

Ground Control Survey Report



USGS LiDAR Data Collection

Wyoming FEMA East 2019

Contract Number: G16PC00022
Task Order Number: 140G0219F0127

Contractor: Woolpert, Inc.
Woolpert Project # 79935

October 2019

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Table of Contents

Section 1: Survey Report.....	1-1
Section 2: Ground Control /Geodetic Control Coordinate Listings.....	2-1
Section 3: Ground Control/Geodetic Logs and Photos.....	3-1
Section 4: Geodetic Control Information and Resources.....	4-1
Section 5: GPS Control Diagram.....	5-1

Section 1: Survey Report

Introduction

This report contains a comprehensive outline of the Ground Control Survey that supported the LiDAR data collected across Wyoming in 2019. All surveys were performed in such a way as to achieve ground control accuracies that meet or exceed the National Mapping Accuracy Standards.

Project Area

The project area consists of approximately 32,460 square miles across various parts of Wyoming and Montana.

Purpose

The purpose of this survey was to establish three-dimensional coordinates for 203 LiDAR control points, 632 non-vegetated check points (80 of these were also horizontal check points), and 418 vegetated check points. The points were collected per the flight layout and were uniformly dispersed over the project area.

Date of Survey

Ground control field operations took place June 12th thru September 15th of 2019.

Monumentation

Prior to aerial imagery acquisition, Woolpert field crews performed a field reconnaissance to verify the existence and suitability of pre-selected existing National Geodetic Survey (NGS) control stations. These existing NSRS control stations were utilized as checks to ensure that quality x, y, and z coordinate values were computed for each of the newly established photogrammetric control stations. Recovery information sheets for the existing NGS control stations can be found in Section 4 of this report. A control diagram showing the ground control stations used to support this mapping project can be found in Section 5 of this report.

Accuracy Standards

The relative vertical accuracy of the LiDAR data will be 10 cm RMSE_z with swath overlap (between adjacent swaths) and an absolute vertical accuracy of 15cm RMSE.

GPS Equipment

Woolpert utilized (9) Trimble Navigation R8 model GNSS dual-frequency GPS receivers, (5) R10 Model GNSS dual-frequency GPS receivers, and 5 TSC3 data collector for this project.

Methodology

Static GPS

The field crew utilized Static GPS surveying throughout the ground control data collection process. Using Static GPS techniques, observations were performed on a total of 92 ground control points or check points. The survey was conducted using a 1-second epoch rate, in a fixed solution, with each observation lasting at least 20 minutes. Each station was occupied twice to insure the necessary horizontal and vertical accuracies were being met.

Real-Time Kinematic (RTK) GPS

The field crew utilized Real-Time Kinematic (RTK) GPS surveying throughout the ground control data collection process. Using RTK GPS techniques, observations were performed on a total of 1,161 LiDAR control and check points. The survey was conducted using a 1-second epoch rate, in a fixed solution RTK mode, with each observation lasting between 60 to 180 seconds. Each station was occupied twice to insure the necessary horizontal and vertical accuracies were being met.

GPS Data Analysis and Processing

The field crew chief processed all session baselines each day using Trimble Navigation's Trimble Business Center (TBC) Version 5.00 baseline processor with the accompanying broadcast ephemeris. Daily processing ensured the integrity of the network as it was constructed, and allowed the field crews to immediately reschedule observations of poor baselines.

Datum Reference and Final Coordinates

The spatial reference system for this project is NAD83 2011 (2010.00 epoch). Orthometric heights are based on NAVD88 vertical datum, Geoid12B was used to determine the orthometric heights from the ellipsoid heights. The projected coordinates are in Albers Equal Area (EPSG 6350). Units for both the horizontal and vertical datums will be expressed in Meters to three (3) decimal places.

Quality Assurance

Existing NGS published bench marks were surveyed to assure that there were no discrepancies in the field observation data. Close examinations of the residuals showed no distortions in orientation or scale. The ground control data meets positional accuracies necessary to support 1.0 point per 0.3 meters squared (1' GSD) data at 95% confidence level as outlined in the Geospatial Positioning Accuracy Standards, Part 3: National Standard for Spatial Data Accuracy (NSSDA), published by the Federal Geographic Data Committee (FGDC-STD-007.3-1998).

Section 2: Ground Control / Geodetic Control

Coordinate System: Grid

HORIZONTAL DATUM: NAD83 2011 (2010.00)

PROJECTION: Albers Equal Area (EPSG 6350)

VERTICAL DATUM: NAVD88

GEOID MODEL: Geoid12B

UNITS: METER

Ground Control

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
1001_2019_WY	2,390,970.361	-1,124,203.769	2,886.685	LCP
1002_2019_WY	2,385,713.168	-1,119,218.601	2,644.795	LCP
1003_2019_WY	2,376,935.792	-1,114,897.619	2,363.197	LCP
1004_2019_WY	2,373,978.522	-1,109,689.775	2,310.140	LCP
1005_2019_WY	2,370,149.477	-1,104,785.747	2,228.266	LCP
1006_2019_WY	2,366,415.865	-1,100,178.323	2,193.761	LCP
1007_2019_WY	2,362,716.268	-1,095,549.576	2,131.308	LCP
1008_2019_WY	2,358,768.738	-1,091,094.816	2,090.714	LCP
1009_2019_WY	2,356,217.166	-1,086,657.526	2,044.193	LCP
1010_2019_WY	2,352,014.427	-1,082,557.942	1,988.830	LCP
1011_2019_WY	2,345,281.710	-1,073,832.083	1,939.693	LCP
1012_2019_WY	2,327,235.424	-924,069.619	2,072.729	LCP
1012A_2019_WY	2,327,299.109	-923,948.850	2,063.966	LCP
1013_2019_WY	2,331,467.425	-930,273.932	2,030.242	LCP
1013A_2019_WY	2,331,452.418	-930,292.050	2,029.539	LCP
1014_2019_WY	2,317,111.646	-934,183.967	1,719.846	LCP
1015_2019_WY	2,370,130.390	-1,074,662.460	2,374.569	LCP
1016_2019_WY	2,330,956.266	-944,928.454	1,752.793	LCP
1017_2019_WY	2,336,327.171	-951,393.186	1,960.523	LCP
1018_2019_WY	2,346,969.030	-956,145.878	1,751.245	LCP
1018A_2019_WY	2,346,873.598	-956,104.578	1,754.583	LCP
1019_2019_WY	2,350,632.284	-961,835.812	1,557.656	LCP

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
1020_2019_WY	2,349,551.063	-968,702.730	1,501.926	LCP
1021_2019_WY	2,351,670.562	-975,618.329	1,365.987	LCP
1022_2019_WY	2,357,834.720	-981,830.714	1,433.169	LCP
1023_2019_WY	2,364,927.619	-987,723.247	1,438.425	LCP
1024_2019_WY	2,372,327.084	-994,873.775	1,568.858	LCP
1025_2019_WY	2,371,103.331	-1,002,626.671	1,618.797	LCP
1026_2019_WY	2,378,605.383	-1,008,126.472	1,683.559	LCP
1027_2019_WY	2,374,860.312	-1,014,771.525	1,784.169	LCP
1028_2019_WY	2,374,880.696	-1,021,060.420	1,888.822	LCP
1029_2019_WY	2,370,982.094	-1,027,705.553	1,962.235	LCP
1030_2019_WY	2,370,790.994	-1,035,709.900	2,158.871	LCP
1031_2019_WY	2,390,129.767	-1,038,556.145	2,599.624	LCP
1032A_2019_WY	2,369,100.945	-1,043,472.936	2,654.236	LCP
1033_2019_WY	2,344,444.564	-1,174,364.893	1,891.725	LCP
1034_2019_WY	2,342,506.002	-1,168,533.304	1,931.002	LCP
1035_2019_WY	2,337,392.248	-1,162,569.480	1,979.974	LCP
1036_2019_WY	2,327,114.091	-1,155,650.923	2,107.990	LCP
1037_2019_WY	2,325,997.138	-1,150,508.188	2,187.116	LCP
1038_2019_WY	2,323,339.086	-1,145,413.627	2,402.014	LCP
1039_2019_WY	2,311,409.809	-1,141,013.845	2,299.864	LCP
1040_2019_WY	2,304,734.766	-1,135,244.583	2,279.349	LCP
1041_2019_WY	2,292,266.253	-1,130,094.834	2,208.730	LCP
1042_2019_WY	2,290,172.287	-1,124,702.749	2,189.363	LCP
1043_2019_WY	2,283,125.648	-1,120,454.199	2,167.059	LCP
1044_2019_WY	2,279,548.393	-1,116,081.923	2,148.381	LCP
1045_2019_WY	2,285,062.606	-1,110,578.113	2,251.306	LCP
1046_2019_WY	2,277,487.282	-1,107,476.970	2,193.840	LCP
1047_2019_WY	2,278,929.355	-1,102,988.659	2,211.514	LCP
1048_2019_WY	2,281,066.323	-1,098,209.718	2,496.328	LCP
1049_2019_WY	2,349,623.078	-1,081,712.456	1,975.556	LCP
1050_2019_WY	2,261,560.870	-931,438.491	2,098.520	LCP
1051_2019_WY	2,261,224.011	-938,896.238	2,003.690	LCP
1052_2019_WY	2,263,052.114	-946,146.596	1,886.462	LCP

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
1053_2019_WY	2,269,309.297	-953,210.507	1,809.549	LCP
1054_2019_WY	2,302,014.799	-955,826.224	1,605.918	LCP
1055_2019_WY	2,306,969.116	-962,830.146	1,551.177	LCP
1056_2019_WY	2,309,172.450	-970,255.207	1,504.006	LCP
1057_2019_WY	2,311,212.933	-977,613.818	1,455.183	LCP
1058_2019_WY	2,308,097.445	-986,722.870	1,480.233	LCP
1059_2019_WY	2,308,278.125	-995,562.256	1,515.513	LCP
1060_2019_WY	2,310,988.148	-1,003,698.752	1,575.523	LCP
1061_2019_WY	2,313,656.057	-1,012,152.653	1,618.902	LCP
1062_2019_WY	2,314,805.918	-1,020,905.066	1,629.624	LCP
1063_2019_WY	2,314,072.660	-1,029,446.742	1,678.902	LCP
1064_2019_WY	2,317,959.422	-1,036,162.158	1,672.925	LCP
1065_2019_WY	2,317,665.866	-1,042,559.440	1,732.002	LCP
1066_2019_WY	2,319,140.642	-1,047,336.249	1,737.952	LCP
1067_2019_WY	2,322,722.733	-1,051,956.661	1,792.580	LCP
1068_2019_WY	2,326,528.183	-1,056,394.136	1,819.529	LCP
1069_2019_WY	2,329,797.883	-1,060,195.646	1,844.494	LCP
1070_2019_WY	2,333,391.581	-1,063,897.521	1,875.708	LCP
1071_2019_WY	2,338,474.642	-1,067,286.868	1,866.839	LCP
1072_2019_WY	2,342,513.972	-1,070,863.085	1,986.242	LCP
1073_2019_WY	2,345,413.603	-1,074,587.810	1,960.012	LCP
1074_2019_WY	2,345,195.249	-1,078,888.232	1,934.285	LCP
1075_2019_WY	2,254,754.323	-1,188,774.215	2,461.230	LCP
1076_2019_WY	2,239,601.318	-1,184,775.721	2,308.156	LCP
1077_2019_WY	2,234,293.701	-1,178,877.154	2,239.051	LCP
1078_2019_WY	2,228,452.804	-1,172,412.559	2,151.976	LCP
1078A_2019_WY	2,228,446.411	-1,172,382.665	2,151.991	LCP
1079_2019_WY	2,231,878.519	-1,163,675.666	2,103.589	LCP
1080_2019_WY	2,237,547.352	-1,154,046.522	2,039.272	LCP
1081_2019_WY	2,260,151.148	-1,141,479.382	2,106.123	LCP
1082_2019_WY	2,258,545.485	-1,132,662.919	2,089.281	LCP
1083_2019_WY	2,260,008.532	-1,123,441.896	2,106.349	LCP
1084_2019_WY	2,268,526.086	-1,113,025.906	2,130.078	LCP

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
1085_2019_WY	2,249,284.194	-1,107,163.816	2,214.575	LCP
1086_2019_WY	2,225,696.979	-1,102,633.640	2,081.580	LCP
1087_2019_WY	2,216,851.549	-1,096,864.524	2,069.209	LCP
1088_2019_WY	2,228,643.578	-1,088,927.457	2,151.657	LCP
1089_2019_WY	2,228,424.457	-1,083,355.535	2,197.151	LCP
1090_2019_WY	2,241,945.203	-1,075,545.669	2,452.538	LCP
1091_2019_WY	2,240,628.566	-1,070,542.298	2,438.615	LCP
1092_2019_WY	2,236,019.076	-1,066,501.732	2,412.979	LCP
1092A_2019_WY	2,235,269.478	-1,066,261.691	2,447.722	LCP
1093_2019_WY	2,232,343.406	-1,061,469.269	2,349.982	LCP
1094_2019_WY	2,228,207.132	-1,057,009.471	2,328.447	LCP
1095_2019_WY	2,226,886.468	-1,050,863.838	2,347.022	LCP
1096_2019_WY	2,236,292.414	-1,043,606.790	2,511.421	LCP
1097_2019_WY	2,241,129.003	-1,036,435.238	2,515.855	LCP
1098_2019_WY	2,245,282.166	-1,028,881.256	2,233.072	LCP
1099_2019_WY	2,227,569.182	-1,024,398.966	2,249.169	LCP
1100_2019_WY	2,206,430.348	-1,020,163.117	2,161.239	LCP
1101_2019_WY	2,208,250.046	-1,012,132.237	2,182.732	LCP
1102_2019_WY	2,211,467.752	-1,003,687.533	2,141.847	LCP
1103_2019_WY	2,210,444.355	-995,888.925	2,174.814	LCP
1104_2019_WY	2,205,908.750	-990,805.146	2,201.154	LCP
1105_2019_WY	2,209,781.446	-981,863.169	2,161.277	LCP
1106_2019_WY	2,206,920.977	-974,346.086	2,139.807	LCP
1107_2019_WY	2,203,096.936	-966,696.365	2,172.093	LCP
1108_2019_WY	2,199,899.929	-959,658.225	2,262.218	LCP
1109_2019_WY	2,195,362.680	-953,261.557	2,242.097	LCP
1110_2019_WY	2,194,484.799	-946,066.227	2,095.359	LCP
1111_2019_WY	2,213,565.323	-937,982.535	1,979.792	LCP
1112_2019_WY	2,399,353.460	-794,804.745	1,269.329	LCP
1113_2019_WY	2,400,896.128	-800,457.641	1,243.862	LCP
1114_2019_WY	2,401,814.143	-806,348.780	1,217.562	LCP
1115_2019_WY	2,401,306.733	-812,459.202	1,367.716	LCP
1116_2019_WY	2,402,302.366	-818,313.719	1,421.849	LCP

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
1117_2019_WY	2,403,996.300	-824,012.431	1,399.051	LCP
1118_2019_WY	2,408,035.240	-829,517.554	1,300.969	LCP
1119_2019_WY	2,410,688.530	-835,118.743	1,389.732	LCP
1120_2019_WY	2,413,192.131	-840,726.784	1,411.958	LCP
1121_2019_WY	2,421,789.238	-845,622.038	1,379.475	LCP
1122_2019_WY	2,427,999.579	-850,538.095	1,447.162	LCP
1123_2019_WY	2,445,851.879	-855,281.854	1,438.367	LCP
1124_2019_WY	2,447,128.904	-860,757.449	1,536.900	LCP
1125_2019_WY	2,422,413.227	-869,767.483	2,347.903	LCP
1126_2019_WY	2,402,250.636	-877,191.641	2,681.469	LCP
1127_2019_WY	2,403,801.460	-883,170.083	2,882.442	LCP
1128_2019_WY	2,449,230.990	-886,495.897	2,521.998	LCP
1129_2019_WY	2,447,535.173	-887,205.368	2,525.374	LCP
1130_2019_WY	2,327,350.664	-802,252.096	1,554.374	LCP
1130A_2019_WY	2,327,406.722	-802,654.975	1,538.626	LCP
1131_2019_WY	2,328,121.544	-807,797.830	1,525.007	LCP
1131A_2019_WY	2,327,812.034	-806,794.131	1,522.427	LCP
1131B_2019_WY	2,328,000.585	-809,670.820	1,538.586	LCP
1132_2019_WY	2,326,823.952	-813,301.221	1,620.429	LCP
1133_2019_WY	2,321,167.481	-819,358.507	1,557.752	LCP
1134_2019_WY	2,344,051.870	-822,972.999	1,351.006	LCP
1135_2019_WY	2,347,184.890	-828,589.121	1,373.113	LCP
1136_2019_WY	2,346,476.301	-834,614.919	1,380.006	LCP
1137_2019_WY	2,346,115.863	-840,534.881	1,390.088	LCP
1138_2019_WY	2,348,347.661	-845,927.741	1,406.031	LCP
1139_2019_WY	2,350,173.818	-851,288.973	1,431.845	LCP
1140_2019_WY	2,356,791.090	-856,352.966	1,521.121	LCP
1141_2019_WY	2,362,999.235	-861,271.020	1,573.979	LCP
1142_2019_WY	2,365,783.784	-867,078.157	1,723.190	LCP
1143_2019_WY	2,367,088.361	-873,649.023	2,354.951	LCP
1144_2019_WY	2,374,560.754	-879,559.201	2,446.434	LCP
1145_2019_WY	2,383,766.626	-888,742.970	2,364.254	LCP
1146_2019_MT	2,600,948.446	-691,966.314	903.704	LCP

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
1147_2019_MT	2,594,214.808	-682,458.671	927.066	LCP
1148_2019_MT	2,587,228.517	-672,439.730	951.626	LCP
1149_2019_MT	2,591,140.079	-662,536.614	966.620	LCP
1150_2019_WY	2,577,055.511	-654,616.713	1,040.280	LCP
1151_2019_MT	2,573,310.599	-644,296.761	985.276	LCP
1151A_2019_MT	2,573,304.992	-644,277.987	985.454	LCP
1152_2019_MT	2,571,017.211	-634,129.238	951.448	LCP
1153_2019_SD	2,533,191.074	-625,867.693	972.311	LCP
1154_2019_WY	2,503,042.066	-697,001.687	1,140.704	LCP
1155_2019_MT	2,509,345.615	-707,314.713	1,018.271	LCP
1155A_2019_MT	2,509,355.458	-707,328.595	1,018.343	LCP
1156_2019_MT	2,475,522.629	-658,976.839	1,066.358	LCP
1157_2019_WY	2,464,544.388	-650,112.688	1,081.061	LCP
1158_2019_WY	2,452,899.515	-636,545.710	980.608	LCP
1159_2019_WY	2,447,221.514	-680,855.004	1,262.685	LCP
1160_2019_WY	2,437,790.880	-682,188.532	1,185.709	LCP
1161_2019_WY	2,427,893.352	-687,407.320	1,319.438	LCP
1162_2019_WY	2,419,612.984	-697,630.781	1,285.310	LCP
1163_2019_WY	2,410,917.748	-704,913.537	1,278.571	LCP
1164_2019_WY	2,401,376.816	-708,074.925	1,280.416	LCP
1165_2019_WY	2,391,259.559	-704,675.679	1,328.530	LCP
1166_2019_WY	2,379,189.440	-690,159.397	1,302.053	LCP
1167_2019_WY	2,368,684.416	-681,984.811	1,259.580	LCP
1168_2019_WY	2,356,353.856	-668,693.540	1,298.077	LCP
1169_2019_WY	2,345,372.278	-662,305.539	1,243.030	LCP
1170_2019_WY	2,334,361.482	-656,363.707	1,237.670	LCP
1171_2019_WY	2,324,265.712	-656,950.618	1,180.409	LCP
1172_2019_WY	2,313,661.498	-658,240.354	1,159.120	LCP
1173_2019_WY	2,302,931.242	-660,210.919	1,131.155	LCP
1174_2019_WY	2,292,068.670	-663,373.156	1,153.352	LCP
1175_2019_WY	2,282,766.036	-669,272.344	1,201.018	LCP
1176_2019_WY	2,271,894.348	-672,671.291	1,242.111	LCP
1177_2019_WY	2,261,107.127	-676,737.688	1,281.557	LCP

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
1178_2019_WY	2,250,332.197	-677,443.130	1,341.496	LCP
1179_2019_WY	2,240,333.219	-682,049.271	1,542.004	LCP
1180_2019_WY	2,230,577.764	-685,322.139	1,556.578	LCP
1181_2019_WY	2,220,748.080	-686,195.275	1,521.924	LCP
1182_2019_WY	2,210,125.034	-686,682.827	1,517.176	LCP
1183_2019_WY	2,203,866.266	-735,927.961	1,434.984	LCP
1184_2019_WY	2,193,141.434	-738,040.979	1,468.675	LCP
1185_2019_WY	2,182,658.317	-739,518.131	1,527.152	LCP
1186_2019_WY	2,172,013.465	-737,846.566	1,497.767	LCP
1187_2019_WY	2,161,574.182	-737,882.333	1,423.412	LCP
1188_2019_WY	2,149,929.431	-736,115.216	1,474.145	LCP
1189_2019_WY	2,139,227.284	-735,653.112	1,543.402	LCP
1190_2019_WY	2,127,364.535	-728,211.707	1,552.490	LCP
1191_2019_WY	2,116,789.823	-727,815.842	1,618.528	LCP
1192_2019_WY	2,105,264.704	-730,399.671	1,761.821	LCP
1193_2019_WY	2,370,714.812	-1,075,575.921	2,483.997	LCP
2001A_2019_WY	2,173,905.598	-715,539.541	1,324.978	NVA
2001B_2019_WY	2,173,901.209	-715,487.694	1,324.944	NVA
2002A_2019_WY	2,150,872.914	-735,090.330	1,451.006	NVA
2002B_2019_WY	2,150,857.645	-735,091.802	1,451.104	NVA
2003A_2019_WY	2,345,384.927	-654,857.981	1,336.529	NVA
2003B_2019_WY	2,345,370.597	-654,866.894	1,336.385	NVA
2004A_2019_MT	2,574,295.734	-663,225.235	1,045.488	NVA
2004B_2019_MT	2,574,296.578	-663,236.593	1,045.452	NVA
2005A_2019_WY	2,420,344.027	-852,461.353	1,522.115	NVA
2005B_2019_WY	2,420,348.856	-852,502.067	1,522.779	NVA
2006A_2019_WY	2,273,566.596	-1,031,399.000	1,627.703	NVA
2006B_2019_WY	2,273,572.558	-1,031,412.266	1,627.412	NVA
2007A_2019_WY	2,289,491.179	-1,122,876.742	2,186.286	NVA
2007B_2019_WY	2,289,488.565	-1,122,858.659	2,186.249	NVA
2008A_2019_WY	2,361,311.152	-1,093,922.008	2,115.929	NVA
2008B_2019_WY	2,361,301.989	-1,093,926.056	2,114.933	NVA
2009A_2019_WY	2,256,380.734	-1,147,927.822	2,080.115	NVA

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
2009B_2019_WY	2,256,393.426	-1,147,925.467	2,080.057	NVA
2010A_2019_WY	2,357,686.248	-978,399.386	1,318.620	NVA
2010B_2019_WY	2,357,684.477	-978,387.901	1,318.615	NVA
2011_2019_WY	2,357,480.683	-979,470.293	1,347.415	NVA
2012_2019_WY	2,409,737.375	-661,985.590	1,414.224	NVA
2013_2019_WY	2,408,264.021	-663,682.430	1,448.781	NVA
2014_2019_WY	2,407,514.497	-666,093.501	1,478.370	NVA
2015_2019_WY	2,397,541.473	-710,842.527	1,309.898	NVA
2016_2019_WY	2,370,982.083	-648,699.765	1,789.533	NVA
2017_2019_WY	2,430,714.268	-688,021.713	1,203.053	NVA
2018_2019_WY	2,432,745.007	-690,422.875	1,291.635	NVA
2019_2019_WY	2,230,350.173	-700,061.216	1,600.043	NVA
2020_2019_WY	2,202,143.191	-736,277.671	1,437.261	NVA
2021_2019_WY	2,117,347.748	-726,981.664	1,611.052	NVA
2022_2019_WY	2,340,204.338	-847,942.224	1,402.211	NVA
2022A_2019_WY	2,340,281.969	-848,001.517	1,401.407	NVA
2022B_2019_WY	2,340,289.119	-848,014.904	1,401.585	NVA
2023A_2019_WY	2,343,450.532	-851,932.901	1,457.120	NVA
2023B_2019_WY	2,343,438.405	-851,923.684	1,457.036	NVA
2024_2019_WY	2,350,666.120	-852,137.888	1,429.979	NVA
2025_2019_WY	2,419,755.934	-864,109.678	2,139.979	NVA
2026_2019_WY	2,420,654.177	-848,753.772	1,416.955	NVA
2027_2019_WY	2,424,060.282	-848,197.567	1,437.053	NVA
2028_2019_WY	2,400,224.231	-816,607.910	1,412.019	NVA
2029_2019_WY	2,408,464.503	-850,853.732	1,617.491	NVA
2030_2019_WY	2,235,550.704	-992,180.758	2,000.922	NVA
2031_2019_WY	2,271,916.871	-1,031,572.114	1,689.310	NVA
2032_2019_WY	2,273,472.836	-1,032,825.103	1,638.305	NVA
2033_2019_WY	2,274,312.106	-1,031,964.347	1,626.390	NVA
2034_2019_WY	2,258,232.979	-1,147,316.567	2,093.818	NVA
2035_2019_WY	2,357,641.831	-976,921.659	1,328.464	NVA
2035A_2019_WY	2,443,265.483	-856,147.683	1,430.629	NVA
2036_2019_WY	2,401,383.599	-803,435.334	1,222.181	NVA

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
2037_2019_WY	2,403,286.914	-823,152.369	1,418.572	NVA
2038_2019_WY	2,120,353.588	-724,538.746	1,592.818	NVA
2039_2019_WY	2,130,239.596	-726,060.446	1,523.281	NVA
2040_2019_WY	2,130,663.086	-730,254.453	1,576.184	NVA
2040A_2019_WY	2,130,621.737	-730,543.249	1,579.777	NVA
2041_2019_WY	2,152,798.191	-735,665.860	1,441.761	NVA
2042A_2019_WY	2,175,669.624	-739,875.661	1,493.389	NVA
2042B_2019_WY	2,175,750.493	-739,882.480	1,494.299	NVA
2043_2019_WY	2,227,158.937	-687,208.910	1,531.146	NVA
2044_2019_WY	2,225,344.545	-689,374.380	1,549.139	NVA
2045_2019_WY	2,225,674.880	-686,436.943	1,531.090	NVA
2046_2019_WY	2,293,600.364	-662,160.726	1,149.770	NVA
2047_2019_WY	2,346,123.947	-656,637.760	1,311.640	NVA
2048_2019_WY	2,346,877.767	-660,564.610	1,280.582	NVA
2049_2019_WY	2,346,205.234	-658,023.114	1,289.742	NVA
2050_2019_WY	2,345,258.915	-657,399.450	1,299.203	NVA
2051_2019_MT	2,503,560.377	-698,702.997	1,132.420	NVA
2052_2019_WY	2,439,385.324	-677,264.247	1,277.925	NVA
2053_2019_WY	2,367,641.709	-1,102,847.409	2,208.262	NVA
2054_2019_WY	2,260,719.858	-1,026,526.709	1,692.568	NVA
2055_2019_WY	2,422,154.164	-639,866.416	1,094.500	NVA
2056_2019_WY	2,401,155.300	-807,732.863	1,206.068	NVA
2057_2019_WY	2,376,131.350	-686,920.978	1,296.418	NVA
2058_2019_WY	2,409,883.817	-834,025.823	1,364.150	NVA
2058A_2019_WY	2,410,047.040	-834,263.983	1,368.551	NVA
2059_2019_WY	2,275,347.686	-671,263.297	1,233.325	NVA
2060_2019_WY	2,416,173.793	-869,476.812	2,399.445	NVA
2061_2019_WY	2,284,621.200	-669,349.969	1,201.701	NVA
2062_2019_WY	2,398,292.385	-712,784.841	1,267.437	NVA
2063A_2019_WY	2,164,088.968	-737,681.235	1,387.922	NVA
2063B_2019_WY	2,164,022.008	-737,681.644	1,387.729	NVA
2064_2019_WY	2,151,095.695	-736,879.767	1,468.103	NVA
2065_2019_WY	2,106,335.570	-730,171.704	1,777.216	NVA

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
2066_2019_WY	2,278,687.394	-1,020,264.720	1,571.021	NVA
2067_190919_WY	2,355,859.182	-979,116.114	1,325.910	NVA
2067A_190919_WY	2,356,014.754	-979,139.032	1,327.171	NVA
2068_2019_WY	2,234,921.699	-987,786.058	2,038.743	NVA
2069_2019_WY	2,266,179.980	-1,026,942.910	1,658.358	NVA
2070_2019_WY	2,391,042.215	-847,206.503	1,413.223	NVA
2071_2019_WY	2,444,798.767	-858,169.677	1,463.405	NVA
2072_2019_WY	2,440,834.775	-834,856.692	1,270.755	NVA
2073_2019_WY	2,438,225.822	-835,394.024	1,276.985	NVA
2074_2019_WY	2,430,394.199	-838,594.940	1,311.973	NVA
2075_2019_WY	2,423,398.664	-843,644.676	1,363.781	NVA
2076_2019_WY	2,424,614.185	-842,531.797	1,349.217	NVA
2077_2019_WY	2,426,251.421	-841,810.646	1,340.686	NVA
2078_2019_WY	2,427,253.309	-841,311.258	1,338.731	NVA
2079_2019_WY	2,428,585.070	-839,745.003	1,321.282	NVA
2080_2019_WY	2,436,239.824	-835,641.560	1,282.253	NVA
2081_2019_WY	2,277,582.197	-1,019,033.178	1,611.542	NVA
2082_2019_WY	2,273,950.089	-1,018,019.020	1,705.097	NVA
2083_2019_WY	2,273,366.361	-1,021,055.642	1,597.146	NVA
2084_2019_WY	2,271,264.279	-1,025,506.597	1,628.227	NVA
2085_2019_WY	2,269,985.050	-1,026,316.105	1,612.444	NVA
2086_2019_WY	2,268,369.870	-1,029,995.313	1,683.614	NVA
2087_2019_WY	2,267,341.778	-1,027,573.750	1,644.007	NVA
2088_2019_WY	2,263,117.115	-1,026,517.011	1,658.789	NVA
2089_2019_WY	2,257,208.395	-1,028,845.103	1,717.462	NVA
2090_2019_WY	2,258,112.953	-1,027,709.536	1,693.280	NVA
2091_2019_WY	2,260,703.762	-1,025,148.034	1,655.515	NVA
2092_2019_WY	2,256,142.079	-1,013,118.055	1,762.074	NVA
2093_2019_WY	2,251,729.700	-1,006,941.073	1,705.147	NVA
2094_2019_WY	2,247,181.656	-1,003,040.426	1,737.196	NVA
2095_2019_WY	2,245,460.585	-1,001,699.469	1,819.533	NVA
2096_2019_WY	2,241,043.922	-999,184.038	2,058.800	NVA
2097_2019_WY	2,241,685.089	-1,001,592.444	1,967.094	NVA

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
2098_2019_WY	2,265,784.992	-947,461.393	1,843.134	NVA
2099_2019_WY	2,271,315.748	-957,063.695	1,837.634	NVA
2100_2019_WY	2,311,096.449	-939,391.844	1,630.930	NVA
2101_2019_WY	2,311,538.264	-935,023.910	1,671.372	NVA
2102_2019_WY	2,310,280.296	-930,661.483	1,737.980	NVA
2103_2019_WY	2,317,900.291	-933,618.233	1,745.480	NVA
2104_2019_WY	2,311,179.043	-933,517.721	1,695.076	NVA
2105_2019_WY	2,312,018.926	-937,065.609	1,651.682	NVA
2106_2019_WY	2,313,207.191	-935,971.510	1,668.472	NVA
2107_2019_WY	2,314,460.258	-935,595.551	1,683.467	NVA
2108_2019_WY	2,315,315.152	-944,046.247	1,623.286	NVA
2109_2019_WY	2,326,285.992	-943,245.191	1,730.499	NVA
2110_2019_WY	2,328,217.904	-944,363.778	1,781.286	NVA
2111_2019_WY	2,317,351.004	-967,768.079	1,535.138	NVA
2112_2019_WY	2,318,909.170	-960,493.663	1,595.212	NVA
2113_2019_WY	2,320,658.319	-958,419.163	1,624.858	NVA
2114_2019_WY	2,322,064.793	-956,940.994	1,653.696	NVA
2115_2019_WY	2,322,315.144	-952,037.406	1,691.698	NVA
2116_2019_WY	2,317,201.925	-949,297.897	1,629.387	NVA
2117_2019_WY	2,313,069.738	-948,714.926	1,574.425	NVA
2118_2019_WY	2,313,702.528	-948,249.305	1,586.052	NVA
2119_2019_WY	2,313,494.367	-947,204.837	1,587.792	NVA
2120_2019_WY	2,313,543.052	-944,578.897	1,594.678	NVA
2121_2019_WY	2,312,457.494	-942,827.516	1,614.576	NVA
2122_2019_WY	2,310,809.544	-941,830.333	1,610.288	NVA
2123_2019_WY	2,310,415.904	-943,853.856	1,615.493	NVA
2124_2019_WY	2,304,960.475	-942,651.638	1,693.351	NVA
2125_2019_WY	2,302,868.039	-936,345.773	1,687.606	NVA
2126_2019_WY	2,300,298.444	-935,006.006	1,728.006	NVA
2127_2019_WY	2,299,927.531	-932,706.741	1,729.712	NVA
2128_2019_WY	2,298,376.734	-932,975.597	1,750.556	NVA
2129_2019_WY	2,297,161.146	-932,929.128	1,781.101	NVA
2130_2019_WY	2,291,511.279	-933,261.046	1,761.558	NVA

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
2131_2019_WY	2,232,417.860	-982,291.880	2,001.172	NVA
2132_2019_WY	2,230,667.080	-978,030.403	1,958.025	NVA
2133_2019_WY	2,228,181.478	-968,216.383	1,937.152	NVA
2134_2019_WY	2,225,693.510	-964,322.323	1,930.793	NVA
2135_2019_WY	2,223,840.024	-952,424.706	1,917.610	NVA
2136_2019_WY	2,221,635.206	-945,847.734	1,883.302	NVA
2137_2019_WY	2,218,905.940	-941,366.957	1,920.648	NVA
2137A_2019_WY	2,218,864.604	-941,352.531	1,919.923	NVA
2138_2019_WY	2,353,548.285	-978,561.827	1,336.899	NVA
2139_2019_WY	2,354,604.096	-979,676.313	1,345.440	NVA
2140_2019_WY	2,356,799.474	-979,997.873	1,399.178	NVA
2141_2019_WY	2,361,814.879	-983,911.045	1,415.255	NVA
2142_2019_WY	2,365,589.184	-992,028.977	1,469.854	NVA
2143_2019_WY	2,365,628.655	-989,997.714	1,450.295	NVA
2144_2019_WY	2,370,686.511	-992,981.440	1,530.004	NVA
2145_2019_WY	2,374,717.014	-996,202.074	1,555.776	NVA
2146_2019_WY	2,376,662.218	-996,327.250	1,547.028	NVA
2147_2019_WY	2,381,581.512	-997,236.748	1,528.257	NVA
2148_2019_WY	2,379,280.252	-1,004,315.518	1,603.422	NVA
2149_2019_WY	2,378,305.324	-1,004,464.492	1,622.766	NVA
2150_2019_WY	2,376,202.671	-1,003,845.379	1,688.655	NVA
2151_2019_WY	2,374,559.710	-1,005,158.153	1,702.468	NVA
2152_2019_WY	2,353,586.083	-1,083,480.385	2,004.225	NVA
2153_2019_WY	2,354,554.560	-1,084,424.265	2,013.672	NVA
2154_2019_WY	2,357,920.762	-1,088,527.815	2,079.798	NVA
2155_2019_WY	2,358,346.237	-1,090,112.728	2,088.823	NVA
2156_2019_WY	2,359,822.676	-1,091,718.591	2,108.271	NVA
2157_2019_WY	2,351,272.036	-1,081,593.867	2,030.891	NVA
2157A_2019_WY	2,351,419.557	-1,081,561.089	2,032.669	NVA
2157B_2019_WY	2,361,034.099	-1,092,501.221	2,132.728	NVA
2158_2019_WY	2,363,390.373	-1,096,504.584	2,142.064	NVA
2159_2019_WY	2,365,422.373	-1,098,645.779	2,177.008	NVA
2160_2019_WY	2,364,487.992	-1,097,712.716	2,154.958	NVA

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
2161_2019_WY	2,365,347.948	-1,099,933.531	2,168.488	NVA
2162_2019_WY	2,367,269.854	-1,101,860.600	2,198.588	NVA
2163_2019_WY	2,383,344.386	-1,116,601.546	2,537.803	NVA
2164_2019_WY	2,379,686.191	-1,116,020.330	2,401.989	NVA
2165_2019_WY	2,374,871.593	-1,112,700.974	2,333.034	NVA
2166_2019_WY	2,373,839.169	-1,108,574.255	2,307.930	NVA
2167_2019_WY	2,373,416.026	-1,106,206.338	2,284.127	NVA
2168_2019_WY	2,374,005.375	-1,092,862.123	2,379.909	NVA
2169_2019_WY	2,369,502.124	-1,093,361.889	2,277.903	NVA
2170_2019_WY	2,377,752.501	-1,090,473.592	2,366.400	NVA
2171_2019_WY	2,260,737.967	-1,049,948.552	2,696.116	NVA
2172_2019_WY	2,260,398.957	-1,048,964.857	2,694.501	NVA
2173_2019_WY	2,238,534.175	-1,040,408.900	2,577.130	NVA
2174_2019_WY	2,239,319.120	-1,041,358.397	2,602.464	NVA
2175_2019_WY	2,243,925.942	-1,043,239.510	2,688.449	NVA
2176_2019_WY	2,250,198.383	-1,045,927.234	2,744.453	NVA
2177_2019_WY	2,252,772.298	-1,046,655.963	2,872.324	NVA
2177A_2019_WY	2,253,312.446	-1,046,142.177	2,901.112	NVA
2178_2019_WY	2,260,024.778	-1,046,912.188	2,650.744	NVA
2179_2019_WY	2,260,878.343	-1,045,100.405	2,601.641	NVA
2180_2019_WY	2,261,169.507	-1,043,712.555	2,572.822	NVA
2181_2019_WY	2,263,758.360	-1,041,715.593	2,098.892	NVA
2182_2019_WY	2,265,680.244	-1,038,354.823	1,875.328	NVA
2183_2019_WY	2,267,155.533	-1,036,625.571	1,783.930	NVA
2184_2019_WY	2,267,960.230	-1,036,317.442	1,756.164	NVA
2185_2019_WY	2,272,372.398	-1,033,096.272	1,656.779	NVA
2186_2019_WY	2,271,170.154	-1,033,838.989	1,679.366	NVA
2187_2019_WY	2,269,618.445	-1,035,064.700	1,705.401	NVA
2188_2019_WY	2,270,638.609	-1,030,020.436	1,638.216	NVA
2189_2019_WY	2,269,364.504	-1,028,913.748	1,626.329	NVA
2190_2019_WY	2,269,385.286	-1,027,683.770	1,615.045	NVA
2191_2019_WY	2,272,143.059	-1,024,083.618	1,599.237	NVA
2192_2019_WY	2,274,829.731	-1,022,569.063	1,593.668	NVA

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
2193_2019_WY	2,277,316.297	-1,021,365.642	1,600.044	NVA
2194_2019_WY	2,278,629.621	-1,018,737.218	1,585.887	NVA
2195_2019_WY	2,279,671.464	-1,019,244.792	1,548.408	NVA
2196_2019_WY	2,274,123.567	-994,960.182	1,670.923	NVA
2197_2019_WY	2,235,940.724	-1,036,682.486	2,341.923	NVA
2198_2019_WY	2,234,284.559	-1,042,461.417	2,440.397	NVA
2199_2019_WY	2,211,129.233	-1,017,053.359	2,202.194	NVA
2200_2019_WY	2,202,346.959	-971,271.524	2,175.371	NVA
2201_2019_WY	2,209,739.904	-965,834.191	2,149.108	NVA
2202_2019_WY	2,209,344.408	-960,231.192	2,744.172	NVA
2204_2019_MT	2,575,498.491	-676,735.470	1,057.316	NVA
2205_2019_MT	2,563,969.417	-673,853.026	1,111.980	NVA
2206_2019_MT	2,560,547.169	-650,048.947	976.025	NVA
2207_2019_MT	2,565,838.471	-649,731.371	983.685	NVA
2208_2019_MT	2,590,561.617	-679,793.247	932.919	NVA
2209_2019_MT	2,589,938.090	-676,288.612	981.452	NVA
2210_2019_MT	2,578,758.550	-667,465.628	1,018.455	NVA
2211_2019_MT	2,576,558.839	-664,102.085	1,055.910	NVA
2212_2019_MT	2,554,265.257	-651,885.476	993.388	NVA
2213_2019_MT	2,558,912.543	-654,647.262	991.986	NVA
2214_2019_MT	2,564,247.250	-654,632.896	1,034.172	NVA
2215_2019_MT	2,565,397.101	-654,978.956	1,056.023	NVA
2216_2019_MT	2,541,621.913	-636,616.508	1,234.286	NVA
2217_2019_MT	2,525,665.983	-641,118.694	1,069.424	NVA
2218_2019_MT	2,537,945.962	-644,458.584	1,099.335	NVA
2219_2019_MT	2,547,891.466	-626,551.874	971.499	NVA
2220_2019_MT	2,570,469.950	-627,385.044	912.462	NVA
2221_2019_MT	2,569,442.502	-659,350.517	1,111.490	NVA
2222_2019_MT	2,574,956.875	-665,541.976	1,064.403	NVA
2223_2019_MT	2,579,578.483	-660,606.274	1,028.282	NVA
2224_2019_MT	2,574,537.456	-648,540.682	1,020.928	NVA
2225_2019_MT	2,571,342.115	-637,794.783	966.110	NVA
2226_2019_MT	2,566,579.148	-638,610.162	953.172	NVA

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
2227_2019_MT	2,561,702.939	-654,918.122	1,007.164	NVA
2228_2019_MT	2,558,489.810	-669,704.850	1,026.677	NVA
2229_2019_MT	2,554,513.812	-676,602.305	1,087.723	NVA
2230_2019_MT	2,550,111.220	-681,722.663	1,067.247	NVA
2231_2019_MT	2,531,651.602	-699,264.333	971.770	NVA
2232_2019_MT	2,518,713.879	-707,151.775	1,043.260	NVA
2233_2019_MT	2,507,867.201	-705,541.029	1,040.235	NVA
2234_2019_WY	2,497,297.432	-709,268.054	1,201.442	NVA
2234A_2019_WY	2,497,509.731	-709,449.185	1,201.180	NVA
2235_2019_WY	2,488,452.093	-708,494.936	1,282.303	NVA
2236_2019_WY	2,477,924.860	-710,608.208	1,220.133	NVA
2237_2019_WY	2,474,802.450	-661,501.772	1,052.661	NVA
2238_2019_WY	2,470,952.922	-655,612.746	1,074.900	NVA
2238A_2019_WY	2,470,952.409	-655,618.556	1,074.758	NVA
2239_2019_WY	2,458,223.681	-642,011.590	1,036.819	NVA
2240_2019_WY	2,433,964.748	-640,274.471	1,050.596	NVA
2241_2019_WY	2,392,800.385	-660,686.465	1,551.376	NVA
2242A_2019_WY	2,381,200.661	-655,491.084	1,683.583	NVA
2242B_2019_WY	2,381,202.387	-655,539.944	1,681.398	NVA
2243_2019_WY	2,380,272.802	-642,586.049	1,890.642	NVA
2244_2019_WY	2,374,315.999	-642,002.704	1,967.054	NVA
2245_2019_WY	2,367,235.762	-650,180.491	1,709.839	NVA
2246_2019_WY	2,139,358.680	-748,328.659	1,532.020	NVA
2247_2019_WY	2,105,719.470	-725,594.904	1,712.134	NVA
2248_2019_WY	2,147,658.251	-720,629.988	1,530.880	NVA
2249_2019_WY	2,151,077.361	-732,584.122	1,461.181	NVA
2250_2019_WY	2,153,774.896	-736,110.464	1,441.072	NVA
2251_2019_WY	2,171,657.807	-732,557.950	1,468.075	NVA
2252_2019_WY	2,184,610.898	-739,315.836	1,516.398	NVA
2253_2019_WY	2,228,765.916	-716,341.976	1,606.848	NVA
2254_2019_WY	2,229,689.963	-722,501.441	1,549.381	NVA
2255_2019_WY	2,257,819.331	-677,580.886	1,292.435	NVA
2256_2019_WY	2,362,265.489	-672,182.668	1,316.130	NVA

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
2257_2019_WY	2,362,852.914	-673,046.818	1,305.996	NVA
2258_2019_WY	2,360,940.083	-671,893.160	1,314.962	NVA
2259_2019_WY	2,373,367.903	-684,612.772	1,294.956	NVA
2260_2019_WY	2,397,423.619	-711,937.124	1,279.445	NVA
2261_2019_WY	2,399,527.102	-714,666.926	1,269.627	NVA
2262_2019_WY	2,420,851.135	-697,345.187	1,251.864	NVA
2263_2019_WY	2,424,766.665	-687,563.068	1,305.473	NVA
2264_2019_WY	2,411,249.686	-681,457.851	1,494.425	NVA
2264A_2019_WY	2,397,861.815	-693,404.753	1,312.357	NVA
2265_2019_WY	2,357,488.743	-654,180.763	1,512.373	NVA
2266_2019_WY	2,353,257.673	-653,831.043	1,595.328	NVA
2267_2019_WY	2,348,960.556	-654,835.816	1,485.648	NVA
2268_2019_WY	2,344,261.185	-655,247.253	1,355.876	NVA
2269_2019_WY	2,343,072.400	-652,333.114	1,330.461	NVA
2270_2019_WY	2,340,778.074	-654,722.059	1,293.759	NVA
2271_2019_WY	2,318,461.150	-657,437.753	1,139.469	NVA
2272_2019_WY	2,180,618.336	-711,355.028	1,524.233	NVA
2273_2019_WY	2,173,878.440	-718,655.486	1,363.232	NVA
2274_2019_WY	2,149,424.711	-724,948.817	1,503.549	NVA
2275_2019_WY	2,377,322.047	-687,797.123	1,294.611	NVA
2276_2019_WY	2,408,952.200	-664,993.961	1,459.793	NVA
2277_2019_WY	2,378,399.780	-686,560.001	1,320.456	NVA
2278_2019_WY	2,374,283.732	-688,695.101	1,281.614	NVA
2279_2019_WY	2,373,153.130	-694,294.508	1,324.742	NVA
2280_2019_WY	2,384,165.586	-695,735.475	1,315.893	NVA
2281_2019_WY	2,432,137.506	-801,804.024	1,153.854	NVA
2282_2019_WY	2,435,987.928	-855,196.326	1,462.940	NVA
2283_2019_WY	2,406,704.606	-868,742.471	2,496.806	NVA
2284_2019_WY	2,400,593.043	-872,152.367	2,497.905	NVA
2285_2019_WY	2,402,471.332	-881,499.914	2,941.995	NVA
2286_2019_WY	2,380,615.458	-852,418.573	1,457.119	NVA
2287_2019_WY	2,360,807.271	-859,843.417	1,559.289	NVA
2288_2019_WY	2,358,215.932	-857,873.958	1,525.044	NVA

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
2289_2019_WY	2,355,930.306	-848,997.615	1,442.308	NVA
2290_2019_WY	2,346,655.306	-852,757.029	1,463.920	NVA
2291_2019_WY	2,349,406.817	-852,003.394	1,416.462	NVA
2291A_2019_WY	2,349,418.273	-852,004.383	1,416.216	NVA
2292_2019_WY	2,329,426.286	-841,258.170	1,509.548	NVA
2293_2019_WY	2,318,092.924	-962,549.043	1,563.615	NVA
2293A_2019_WY	2,317,433.303	-963,952.112	1,540.548	NVA
2294_2019_WY	2,314,448.852	-948,747.019	1,600.921	NVA
2295_2019_WY	2,310,254.237	-928,521.506	1,778.056	NVA
2296_2019_WY	2,316,548.042	-934,490.553	1,708.935	NVA
2297_2019_WY	2,318,560.477	-930,596.983	1,752.163	NVA
2298_2019_WY	2,318,255.621	-931,911.505	1,746.729	NVA
2299_2019_WY	2,360,611.798	-982,695.550	1,431.316	NVA
2300_2019_WY	2,362,470.074	-984,609.948	1,411.500	NVA
2301_2019_WY	2,363,802.783	-985,749.594	1,407.371	NVA
2302_2019_WY	2,364,360.557	-986,594.185	1,424.627	NVA
2303_2019_WY	2,366,331.418	-988,815.488	1,457.498	NVA
2304_2019_WY	2,367,812.058	-989,993.708	1,482.822	NVA
2305_2019_WY	2,369,742.957	-991,907.270	1,508.921	NVA
2306_2019_WY	2,371,414.961	-993,829.665	1,551.361	NVA
2307_2019_WY	2,381,724.925	-995,828.142	1,518.099	NVA
2308_2019_WY	2,385,134.549	-995,294.399	1,525.293	NVA
2309_2019_WY	2,387,446.540	-996,072.708	1,573.233	NVA
2310_2019_WY	2,390,834.533	-999,710.682	1,587.835	NVA
2311_2019_WY	2,390,943.776	-1,002,750.473	1,627.776	NVA
2312_2019_WY	2,391,819.055	-1,005,195.429	1,656.794	NVA
2313_2019_WY	2,393,039.600	-1,007,818.638	1,689.762	NVA
2314_2019_WY	2,394,602.464	-1,008,521.105	1,701.771	NVA
2315_2019_WY	2,396,513.628	-1,008,180.695	1,741.896	NVA
2316_2019_WY	2,399,659.041	-1,005,468.457	1,659.018	NVA
2317_2019_WY	2,390,872.830	-1,020,135.241	1,911.647	NVA
2318_2019_WY	2,377,514.959	-1,011,718.643	1,723.111	NVA
2319_2019_WY	2,386,789.937	-1,025,391.040	2,064.117	NVA

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
2320_2019_WY	2,372,795.676	-1,077,503.631	2,584.921	NVA
2321_2019_WY	2,376,291.146	-1,074,626.494	2,797.098	NVA
2322_2019_WY	2,359,836.513	-1,111,422.093	2,887.583	NVA
2323_2019_WY	2,362,762.866	-1,109,970.291	2,901.925	NVA
2324_2019_WY	2,367,243.434	-1,107,042.154	2,557.800	NVA
2325_2019_WY	2,370,250.299	-1,116,263.279	2,655.247	NVA
2326_2019_WY	2,228,176.453	-1,162,046.872	2,043.552	NVA
2327_2019_WY	2,227,111.284	-1,158,959.936	2,011.309	NVA
2328_2019_WY	2,230,865.062	-1,154,816.769	2,058.241	NVA
2329_2019_WY	2,232,684.901	-1,139,987.853	2,217.194	NVA
2330_2019_WY	2,241,492.497	-1,121,552.555	2,157.556	NVA
2331_2019_WY	2,239,878.449	-1,117,364.619	2,182.282	NVA
2332_2019_WY	2,242,856.081	-1,112,367.352	2,227.924	NVA
2333_2019_WY	2,242,107.551	-1,106,855.396	2,181.819	NVA
2333A_2019_WY	2,252,634.452	-1,107,139.933	2,242.651	NVA
2334_2019_WY	2,236,154.520	-1,104,677.107	2,148.215	NVA
2335_2019_WY	2,247,507.185	-1,087,439.903	2,248.258	NVA
2336_2019_WY	2,266,368.639	-1,097,505.166	2,187.524	NVA
2337_2019_WY	2,226,496.569	-963,447.453	1,925.413	NVA
2338_2019_MT	2,566,817.434	-655,269.098	1,106.891	NVA
2339_2019_MT	2,565,666.000	-634,226.807	931.764	NVA
2340_2019_MT	2,548,591.727	-629,810.849	994.099	NVA
2341_2019_MT	2,520,781.479	-630,194.149	969.978	NVA
2342_2019_MT	2,518,142.106	-631,414.431	975.199	NVA
2343_2019_MT	2,526,668.444	-647,020.491	1,088.991	NVA
2344_2019_MT	2,529,229.421	-650,624.578	1,202.476	NVA
2345_2019_MT	2,536,484.997	-639,758.322	1,060.484	NVA
2346_2019_MT	2,554,128.406	-678,766.973	1,125.246	NVA
2347_2019_MT	2,574,946.561	-680,750.117	1,072.465	NVA
2348_2019_MT	2,562,930.453	-688,418.615	955.151	NVA
2348A_2019_MT	2,563,289.489	-683,156.653	949.833	NVA
2349_2019_MT	2,600,700.233	-676,894.817	905.360	NVA
2350_2019_MT	2,484,733.139	-708,521.056	1,216.086	NVA

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
2351_2019_WY	2,459,325.605	-677,706.859	1,234.301	NVA
2352_2019_WY	2,436,057.861	-659,277.248	1,365.483	NVA
2353_2019_WY	2,433,573.850	-647,774.195	1,132.306	NVA
2354_2019_WY	2,420,581.262	-649,991.537	1,214.341	NVA
2355_2019_WY	2,417,330.826	-652,255.196	1,265.589	NVA
2356_2019_WY	2,415,225.508	-654,122.952	1,325.418	NVA
2357_2019_WY	2,401,189.572	-674,495.096	1,417.069	NVA
2357A_2019_WY	2,392,006.788	-667,638.537	1,485.538	NVA
2358_2019_WY	2,400,383.844	-684,327.462	1,297.251	NVA
2359_2019_WY	2,398,456.220	-702,316.531	1,287.465	NVA
2360_2019_WY	2,400,413.522	-720,391.617	1,285.717	NVA
2361_2019_WY	2,378,362.196	-643,854.810	1,838.136	NVA
2362_2019_WY	2,398,231.000	-646,689.641	1,625.235	NVA
2363_2019_WY	2,409,827.506	-655,609.782	1,359.789	NVA
2364_2019_WY	2,410,090.808	-673,408.060	1,523.754	NVA
2365_2019_WZ	2,416,407.614	-683,276.314	1,371.744	NVA
2366_2019_WY	2,421,678.941	-688,071.469	1,286.031	NVA
2367_2019_WY	2,429,796.501	-685,380.825	1,216.936	NVA
2368_2019_WY	2,433,194.139	-707,067.708	1,254.499	NVA
2368A_2019_WY	2,429,663.569	-707,704.969	1,312.999	NVA
2369_2019_WY	2,454,068.468	-701,822.395	1,162.536	NVA
2370_2019_WY	2,445,445.788	-695,318.993	1,369.538	NVA
2371_2019_WY	2,384,770.885	-657,644.834	1,599.818	NVA
2372_2019_WY	2,381,629.682	-665,338.051	1,578.084	NVA
2373_2019_WY	2,389,328.160	-672,668.785	1,421.798	NVA
2374_2019_WY	2,399,309.522	-666,554.715	1,461.581	NVA
2375_2019_WY	2,398,684.383	-658,282.578	1,514.419	NVA
2376_2019_WY	2,330,838.907	-723,594.725	1,344.101	NVA
2376A_2019_WY	2,349,441.227	-703,973.777	1,351.203	NVA
2377_2019_WY	2,329,875.222	-717,206.851	1,341.046	NVA
2377A_2019_WY	2,337,955.591	-704,832.713	1,366.217	NVA
2378_2019_WY	2,330,133.359	-715,243.046	1,327.764	NVA
2379_2019_WY	2,333,349.923	-710,688.861	1,359.174	NVA

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
2379A_2019_WY	2,332,553.990	-700,180.841	1,314.742	NVA
2380_2019_WY	2,344,201.789	-699,208.874	1,316.841	NVA
2381_2019_WY	2,349,520.769	-691,327.460	1,356.808	NVA
2382_2019_WY	2,360,643.492	-689,762.243	1,308.070	NVA
2383_2019_WY	2,365,688.587	-698,422.374	1,446.682	NVA
2384_2019_WY	2,371,806.667	-702,210.617	1,384.977	NVA
2385_2019_WY	2,382,495.881	-707,186.565	1,330.541	NVA
2386_2019_WY	2,393,031.555	-718,417.634	1,291.166	NVA
2387_2019_WY	2,379,455.642	-717,821.299	1,342.490	NVA
2388_2019_WY	2,364,767.850	-705,131.129	1,533.653	NVA
2389_2019_WY	2,347,434.572	-706,854.226	1,340.365	NVA
2390_2019_WY	2,338,260.938	-684,877.959	1,283.733	NVA
2391_2019_WY	2,340,563.235	-693,344.097	1,300.078	NVA
2392_2019_WY	2,314,046.174	-710,508.269	1,278.018	NVA
2393_2019_WY	2,314,524.668	-727,634.128	1,373.164	NVA
2394_2019_WY	2,292,563.626	-699,617.181	1,334.813	NVA
2395_2019_WY	2,281,845.798	-695,787.786	1,236.827	NVA
2396_2019_WY	2,279,930.216	-695,998.679	1,228.613	NVA
2397_2019_WY	2,274,644.609	-695,028.655	1,277.910	NVA
2398_2019_WY	2,272,944.589	-697,631.355	1,295.538	NVA
2398B_2019_WY	2,272,443.275	-696,236.723	1,280.255	NVA
2399_2019_WY	2,269,578.389	-696,506.763	1,282.233	NVA
2400_2019_WY	2,259,854.451	-690,349.886	1,372.981	NVA
2401_2019_WY	2,258,857.506	-701,034.775	1,357.208	NVA
2402_2019_WY	2,259,821.654	-704,659.281	1,351.211	NVA
2403_2019_WY	2,260,458.227	-710,160.742	1,501.161	NVA
2404_2019_WY	2,243,852.061	-704,765.578	1,473.816	NVA
2405_2019_WY	2,226,247.548	-700,403.161	1,621.493	NVA
2406_2019_WY	2,213,744.214	-703,603.767	1,688.978	NVA
2407_2019_WY	2,215,057.917	-709,183.946	1,620.040	NVA
2408_2019_WY	2,211,802.427	-705,124.108	1,659.702	NVA
2409_2019_WY	2,212,058.226	-709,637.797	1,618.906	NVA
2410_2019_WY	2,205,748.650	-714,452.055	1,584.842	NVA

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
2411_2019_WY	2,207,838.690	-723,565.032	1,453.027	NVA
2412_2019_WY	2,206,824.031	-727,894.574	1,416.666	NVA
2413_2019_WY	2,199,049.623	-725,858.804	1,575.451	NVA
2414_2019_WY	2,206,972.026	-736,253.791	1,425.404	NVA
2415_2019_WY	2,208,180.767	-734,050.594	1,442.691	NVA
2416_2019_WY	2,212,087.054	-738,508.027	1,427.639	NVA
2417_2019_WY	2,210,390.056	-741,371.140	1,451.188	NVA
2418_2019_WY	2,203,128.132	-748,578.168	1,630.562	NVA
2419_2019_WY	2,195,706.028	-751,197.253	1,536.312	NVA
2420_2019_WY	2,166,480.292	-752,011.692	1,470.123	NVA
2421_2019_WY	2,163,610.614	-751,288.148	1,466.241	NVA
2422_2019_WY	2,158,329.107	-747,301.107	1,419.440	NVA
2423_2019_WY	2,156,199.155	-741,695.160	1,435.566	NVA
2424_2019_WY	2,141,923.264	-745,393.541	1,538.847	NVA
2425_2019_WY	2,140,463.919	-747,413.091	1,524.292	NVA
2426_2019_WY	2,131,717.631	-758,804.267	1,641.600	NVA
2427_2019_WY	2,118,998.839	-740,782.642	1,712.889	NVA
2428_2019_WY	2,114,677.440	-734,335.496	1,677.195	NVA
2429_2019_WY	2,115,465.662	-724,383.752	1,666.920	NVA
2430_2019_WY	2,129,386.348	-716,228.036	1,590.582	NVA
2431_2019_WY	2,137,591.163	-727,289.313	1,482.578	NVA
2432_2019_WY	2,135,584.944	-730,805.125	1,555.969	NVA
2433_2019_WY	2,147,324.555	-716,917.703	1,564.325	NVA
2434_2019_WY	2,151,308.661	-733,659.816	1,458.152	NVA
2435_2019_WY	2,153,615.775	-734,920.054	1,437.974	NVA
2436_2019_WY	2,156,711.596	-733,947.802	1,402.110	NVA
2437_2019_WY	2,162,366.178	-733,366.784	1,376.591	NVA
2438_2019_WY	2,180,509.740	-713,174.959	1,443.534	NVA
2439_2019_WY	2,181,974.089	-708,535.489	1,454.785	NVA
2440_2019_WY	2,201,918.488	-708,931.185	1,592.112	NVA
2441_2019_WY	2,222,060.679	-715,230.219	1,573.241	NVA
2442_2019_WY	2,228,459.899	-711,630.313	1,614.562	NVA
2443_2019_WY	2,212,996.544	-658,211.856	1,445.979	NVA

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
2444_2019_WY	2,216,718.950	-666,569.639	1,469.378	NVA
2445_2019_WY	2,215,707.113	-680,279.448	1,513.005	NVA
2446_2019_WY	2,231,975.348	-659,525.987	1,533.662	NVA
2446A_2019_WY	2,243,970.792	-669,748.958	1,358.587	NVA
2447_2019_WY	2,266,363.777	-664,798.902	1,282.601	NVA
2448_2019_WY	2,300,958.630	-682,661.899	1,207.314	NVA
2449_2019_WY	2,109,031.497	-742,403.653	1,734.139	NVA
2450_2019_WY	2,128,115.267	-761,455.181	1,687.737	NVA
2451_2019_WY	2,324,090.616	-698,191.086	1,279.838	NVA
2452_2019_WY	2,442,488.504	-712,236.323	1,250.594	NVA
2453_2019_WY	2,428,126.640	-663,715.184	1,528.760	NVA
2454_2019_WY	2,446,618.383	-650,112.024	1,097.165	NVA
2455_2019_WY	2,453,790.469	-665,702.510	1,132.021	NVA
2456_2019_WY	2,444,378.542	-669,424.768	1,259.806	NVA
2457_2019_WY	2,464,053.927	-668,515.305	1,172.608	NVA
2457A_2019_WY	2,467,179.888	-666,248.244	1,156.457	NVA
2458_2019_MT	2,567,252.911	-668,614.359	1,100.024	NVA
2459_2019_MT	2,525,122.114	-629,942.152	976.700	NVA
2460_2019_MT	2,532,733.714	-633,459.285	1,012.454	NVA
2461_2019_WY	2,324,637.519	-839,795.777	1,473.985	NVA
2462_2019_WY	2,334,201.046	-843,885.556	1,481.147	NVA
2463_2019_WY	2,336,446.034	-845,014.805	1,465.389	NVA
2464_2019_WY	2,334,977.324	-863,060.678	1,552.583	NVA
2465_2019_WY	2,334,137.988	-817,816.822	1,516.150	NVA
2466_2019_WY	2,348,682.379	-874,796.511	1,592.957	NVA
2467_2019_WY	2,346,690.662	-873,945.515	1,563.733	NVA
2468_2019_WY	2,347,166.568	-859,336.890	1,473.153	NVA
2469_2019_WY	2,361,318.630	-848,914.380	1,505.727	NVA
2470_2019_WY	2,365,199.783	-849,093.888	1,529.910	NVA
2471_2019_WY	2,367,677.508	-849,382.404	1,551.116	NVA
2472_2019_WY	2,366,967.432	-839,803.026	1,429.405	NVA
2473_2019_WY	2,367,680.099	-833,924.304	1,392.830	NVA
2474_2019_WY	2,382,624.183	-833,667.920	1,453.787	NVA

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
2475_2019_WY	2,371,289.914	-812,537.934	1,339.230	NVA
2476_2019_WY	2,359,391.131	-819,583.401	1,319.892	NVA
2476A_2019_WY	2,357,074.309	-821,324.895	1,325.400	NVA
2477_2019_WY	2,375,853.683	-836,482.250	1,438.218	NVA
2478_2019_WY	2,377,328.862	-858,203.923	1,568.464	NVA
2479_2019_WY	2,393,450.237	-875,535.778	2,491.788	NVA
2480_2019_WY	2,401,221.890	-869,820.197	2,423.263	NVA
2481_2019_WY	2,402,392.769	-868,466.796	2,386.422	NVA
2482_2019_WY	2,412,237.358	-869,245.135	2,470.396	NVA
2483_2019_WY	2,419,770.597	-868,228.005	2,220.890	NVA
2484_2019_WY	2,420,313.887	-860,506.189	1,922.644	NVA
2485_2019_WY	2,420,260.130	-858,304.530	1,759.589	NVA
2486_2019_WY	2,420,348.627	-855,483.511	1,604.060	NVA
2487_2019_WY	2,422,037.209	-848,706.677	1,414.239	NVA
2488_2019_WY	2,421,377.406	-846,471.673	1,382.630	NVA
2489_2019_WY	2,418,666.764	-842,631.993	1,444.291	NVA
2490_2019_WY	2,414,896.169	-841,906.919	1,411.558	NVA
2491_2019_WY	2,415,845.825	-837,001.393	1,365.066	NVA
2492_2019_WY	2,422,671.190	-830,550.273	1,294.608	NVA
2493_2019_WY	2,425,695.094	-820,083.620	1,235.235	NVA
2494_2019_WY	2,430,338.108	-814,032.250	1,199.084	NVA
2495_2019_WY	2,432,038.133	-802,916.112	1,156.924	NVA
2496_2019_WY	2,432,745.265	-804,100.224	1,170.631	NVA
2497_2019_WY	2,423,430.069	-805,184.148	1,165.672	NVA
2498_2019_WY	2,421,683.933	-805,186.134	1,214.858	NVA
2499_2019_WY	2,413,248.604	-806,249.218	1,222.150	NVA
2500_2019_WY	2,409,590.756	-806,640.880	1,227.570	NVA
2501_2019_WY	2,408,250.029	-806,240.826	1,204.992	NVA
2501A_2019_WY	2,406,915.258	-806,693.387	1,212.132	NVA
2502_2019_WY	2,403,473.909	-807,238.069	1,217.328	NVA
2503_2019_WY	2,394,488.242	-817,803.414	1,434.601	NVA
2504_2019_WY	2,431,853.434	-858,124.110	1,525.767	NVA
2505_2019_WY	2,440,988.587	-854,785.312	1,425.700	NVA

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
2506_2019_WY	2,431,128.194	-851,933.003	1,481.600	NVA
2507_2019_WY	2,432,533.803	-836,937.908	1,298.814	NVA
2508_2019_WY	2,394,527.554	-853,221.477	1,494.017	NVA
2509_2019_WY	2,399,307.143	-851,562.028	1,508.495	NVA
2510_2019_WY	2,400,049.279	-847,657.432	1,503.442	NVA
2511_2019_MT	2,584,746.121	-657,978.468	995.587	NVA
2512_2019_MT	2,599,702.073	-663,409.216	953.353	NVA
2513_2019_MT	2,581,970.638	-677,459.664	995.076	NVA
2514_2019_MT	2,595,067.008	-682,997.045	930.850	NVA
2515_2019_MT	2,525,174.807	-702,050.324	1,017.772	NVA
2516_2019_WY	2,342,543.350	-952,174.781	1,691.682	NVA
2516A_2019_WY	2,342,527.485	-952,124.776	1,690.122	NVA
2517_2019_WY	2,367,275.775	-974,049.595	1,313.580	NVA
2518_2019_WY	2,370,264.848	-973,775.232	1,318.714	NVA
2519_2019_WY	2,374,841.062	-973,827.693	1,307.940	NVA
2520_2019_WY	2,378,906.744	-983,147.855	1,369.237	NVA
2521_2019_WY	2,382,024.882	-988,341.083	1,449.719	NVA
2522_2019_WY	2,366,227.215	-969,422.720	1,333.636	NVA
2523_2019_WY	2,357,601.043	-963,894.005	1,612.664	NVA
2524_2019_WY	2,329,553.786	-971,829.688	1,643.446	NVA
2525_2019_WY	2,315,048.389	-972,986.938	1,464.343	NVA
2526_2019_WY	2,311,038.004	-975,689.844	1,475.673	NVA
2527_2019_WY	2,281,572.972	-974,613.430	1,664.378	NVA
2528_2019_WY	2,271,154.071	-982,455.809	1,724.301	NVA
2529_2019_WY	2,246,120.429	-991,336.198	2,055.718	NVA
2530_2019_WY	2,239,848.441	-997,799.992	2,037.449	NVA
2531_2019_WY	2,231,454.961	-1,034,323.683	2,337.374	NVA
2532_2019_WY	2,221,553.954	-1,036,719.892	2,272.452	NVA
2533_2019_WY	2,220,824.951	-1,050,398.201	2,259.090	NVA
2534_190919_WY	2,230,948.418	-1,048,295.037	2,402.650	NVA
2535_2019_WY	2,218,636.132	-1,061,424.146	2,163.197	NVA
2536_2019_WY	2,215,142.390	-1,075,195.427	2,110.735	NVA
2536A_2019_WY	2,214,454.125	-1,070,290.908	2,124.643	NVA

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
2537_2019_WY	2,218,747.569	-1,095,272.157	2,064.683	NVA
2538_2019_WY	2,223,622.571	-1,101,929.404	2,076.151	NVA
2539_2019_WY	2,236,233.316	-1,121,091.851	2,169.255	NVA
2540_2019_WY	2,289,678.425	-1,157,675.392	2,287.454	NVA
2540A_2019_WY	2,293,349.036	-1,157,211.811	2,309.494	NVA
2541_2019_WY	2,292,389.623	-1,165,379.344	2,371.478	NVA
2542_2019_WY	2,292,757.138	-1,176,310.172	2,496.007	NVA
2543_2019_WY	2,278,480.145	-1,162,372.774	2,439.157	NVA
2544_2019_WY	2,259,400.232	-1,163,418.310	2,261.940	NVA
2545_2019_WY	2,267,134.324	-1,173,320.684	2,424.150	NVA
2546_2019_WY	2,270,439.814	-1,180,992.420	2,580.358	NVA
2547_2019_WY	2,243,217.507	-1,164,441.201	2,241.166	NVA
2548_2019_WY	2,235,509.656	-1,164,585.257	2,187.525	NVA
2549A_2019_WY	2,252,659.338	-1,187,359.966	2,436.838	NVA
2550_2019_WY	2,224,657.145	-1,120,719.952	2,133.455	NVA
2551_190920_WY	2,245,621.679	-1,044,646.593	2,755.974	NVA
2552_2019_WY	2,239,314.576	-1,068,805.822	2,428.140	NVA
2553_2019_WY	2,256,238.971	-1,014,961.711	1,747.217	NVA
2554_2019_WY	2,256,007.274	-947,078.576	1,956.424	NVA
2555_2019_WY	2,213,760.364	-966,731.219	2,024.308	NVA
2556_2019_WY	2,235,026.124	-991,378.500	2,002.391	NVA
2557_2019_WY	2,222,340.608	-1,029,515.341	2,223.037	NVA
2558_2019_WY	2,246,052.323	-1,075,174.079	2,448.192	NVA
2559_2019_WY	2,328,215.270	-1,157,617.110	2,074.339	NVA
2560_2019_WY	2,337,822.733	-1,157,394.483	2,050.359	NVA
2561_2019_WY	2,323,445.268	-1,165,796.249	2,192.086	NVA
2562_2019_WY	2,304,011.719	-1,157,419.834	2,321.833	NVA
2562A_2019_WY	2,303,518.423	-1,154,791.722	2,297.122	NVA
2563_2019_WY	2,292,268.057	-1,139,087.281	2,192.163	NVA
2564_2019_WY	2,316,127.957	-1,131,939.165	2,338.931	NVA
2564A_2019_WY	2,317,333.897	-1,134,818.112	2,322.529	NVA
2565_2019_WY	2,375,887.686	-1,005,129.025	1,713.758	NVA
2566_2019_WY	2,247,622.141	-954,137.540	2,020.055	NVA

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
2567_2019_WY	2,295,370.284	-932,093.334	1,747.337	NVA
2568_2019_WY	2,299,203.403	-946,287.717	1,658.594	NVA
2569_2019_WY	2,292,368.477	-946,382.899	1,707.793	NVA
2570_2019_WY	2,279,582.518	-947,501.180	1,737.051	NVA
2571_2019_WY	2,318,244.976	-942,615.592	1,633.498	NVA
2572_2019_WY	2,255,628.189	-977,232.167	2,161.758	NVA
2573_2019_WY	2,294,391.034	-970,900.368	1,589.512	NVA
2574_2019_WY	2,276,351.558	-1,034,347.029	1,671.698	NVA
2575_2019_WY	2,274,602.272	-1,030,670.208	1,613.852	NVA
2576_2019_WY	2,278,335.753	-1,030,799.192	1,627.634	NVA
2577_2019_WY	2,259,466.962	-1,146,335.557	2,086.360	NVA
2578_2019_WY	2,157,032.316	-737,406.695	1,419.851	NVA
2579_2019_WY	2,350,895.846	-664,731.351	1,271.740	NVA
2579A_2019_WY	2,350,910.448	-664,719.702	1,272.532	NVA
2580_2019_WY	2,346,241.963	-659,588.434	1,268.192	NVA
2581_2019_WY	2,344,757.745	-653,408.628	1,330.377	NVA
2582_2019_WY	2,342,274.532	-651,538.714	1,309.678	NVA
2583_2019_WY	2,340,988.544	-649,270.799	1,314.949	NVA
2584_2019_WY	2,336,140.306	-645,730.822	1,374.173	NVA
2585_2019_WY	2,436,781.014	-686,802.147	1,184.488	NVA
2586_2019_MT	2,568,142.606	-638,064.001	945.968	NVA
3001_2019_WY	2,365,047.935	-1,098,271.244	2,170.373	VVA
3002_2019_WY	2,369,260.298	-1,103,628.010	2,217.088	VVA
3003_2019_WY	2,367,877.987	-1,104,434.832	2,348.133	VVA
3004_2019_WY	2,362,233.153	-1,110,132.381	2,937.341	VVA
3005_2019_WY	2,373,264.295	-1,116,466.645	2,705.477	VVA
3006_2019_WY	2,374,654.700	-1,121,323.220	2,774.404	VVA
3006A_2019_WY	2,374,629.006	-1,121,298.113	2,774.882	VVA
3007_2019_WY	2,381,566.705	-1,109,523.115	2,654.147	VVA
3008_2019_WY	2,379,885.945	-1,090,891.996	2,388.547	VVA
3009_2019_WY	2,376,425.867	-1,076,687.051	2,683.914	VVA
3009A_2019_WY	2,374,539.403	-1,077,635.223	2,594.633	VVA
3010_2019_WY	2,389,714.111	-1,037,664.927	2,570.182	VVA

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
3011_2019_WY	2,390,034.637	-1,035,828.673	2,281.243	VVA
3012_2019_WY	2,370,805.070	-1,035,706.148	2,159.122	VVA
3012A_2019_WY	2,370,967.476	-1,027,698.116	1,961.295	VVA
3013_2019_WY	2,374,731.112	-1,020,268.946	1,877.919	VVA
3014_2019_WY	2,378,749.489	-1,006,667.822	1,633.722	VVA
3015_2019_WY	2,380,777.183	-1,000,927.031	1,556.252	VVA
3016_2019_WY	2,381,275.561	-998,331.023	1,536.725	VVA
3017_2019_WY	2,383,347.300	-992,383.257	1,477.752	VVA
3018_2019_WY	2,382,834.086	-990,065.303	1,460.441	VVA
3019_2019_WY	2,380,202.250	-985,281.167	1,394.063	VVA
3020_2019_WY	2,374,311.741	-978,404.763	1,384.824	VVA
3021_2019_WY	2,368,423.319	-970,796.304	1,307.341	VVA
3022_2019_WY	2,367,529.653	-969,253.091	1,313.138	VVA
3023_2019_WY	2,366,705.689	-964,341.346	1,338.291	VVA
3024_2019_WY	2,365,941.847	-962,237.769	1,340.161	VVA
3024A_2019_WY	2,365,953.634	-962,251.058	1,339.729	VVA
3025_2019_WY	2,364,741.654	-958,332.806	1,362.058	VVA
3026_2019_WY	2,362,206.608	-953,877.388	1,390.160	VVA
3027_2019_WY	2,360,351.033	-950,931.336	1,411.591	VVA
3028_2019_WY	2,357,915.841	-952,575.552	1,428.232	VVA
3029_2019_WY	2,355,197.722	-942,889.579	1,598.853	VVA
3030_2019_WY	2,360,091.670	-943,586.740	1,471.317	VVA
3031_2019_WY	2,341,667.289	-943,741.280	2,012.203	VVA
3031A_2019_WY	2,341,687.090	-943,750.232	2,009.567	VVA
3032_2019_WY	2,340,895.902	-944,550.518	1,984.060	VVA
3033_2019_WY	2,338,828.660	-945,166.038	1,966.115	VVA
3034_2019_WY	2,332,703.164	-948,645.465	1,848.648	VVA
3035_2019_WY	2,326,700.635	-943,419.567	1,738.229	VVA
3036_2019_WY	2,320,336.877	-942,258.797	1,642.917	VVA
3037_2019_WY	2,318,648.238	-940,777.682	1,626.468	VVA
3038_2019_WY	2,312,116.548	-937,159.727	1,652.119	VVA
3039_2019_WY	2,310,116.319	-942,766.148	1,623.650	VVA
3040_2019_WY	2,295,810.297	-939,321.576	1,698.117	VVA

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
3041_2019_WY	2,295,237.788	-946,388.110	1,687.903	VVA
3042_2019_WY	2,286,069.464	-946,646.248	1,808.258	VVA
3043_2019_WY	2,278,616.662	-961,799.027	1,734.842	VVA
3044_2019_WY	2,247,314.749	-954,293.548	2,030.602	VVA
3045_2019_WY	2,222,478.950	-946,875.276	1,894.180	VVA
3046_2019_WY	2,205,307.845	-969,991.191	2,152.779	VVA
3047_2019_WY	2,220,063.327	-994,151.119	2,147.119	VVA
3048_2019_WY	2,230,027.951	-990,753.538	2,021.055	VVA
3049_2019_WY	2,230,817.337	-978,400.428	1,959.199	VVA
3050_2019_WY	2,248,101.436	-1,003,687.903	1,710.555	VVA
3051_2019_WY	2,260,922.491	-1,026,451.370	1,688.967	VVA
3052_2019_WY	2,258,120.809	-1,027,724.016	1,694.805	VVA
3053_190920_WY	2,244,604.354	-1,043,781.280	2,698.127	VVA
3054_190920_WY	2,253,327.251	-1,046,192.046	2,901.972	VVA
3055_2019_WY	2,259,984.294	-1,047,098.732	2,649.842	VVA
3056_2019_WY	2,262,868.382	-1,042,341.173	2,277.580	VVA
3056A_2019_WY	2,262,858.991	-1,042,351.229	2,278.686	VVA
3056B_2019_WY	2,262,014.992	-1,043,274.656	2,518.957	VVA
3057_2019_WY	2,256,555.540	-1,045,687.995	2,786.218	VVA
3058_2019_WY	2,272,067.863	-1,051,301.765	2,936.088	VVA
3058A_2019_WY	2,272,422.263	-1,049,678.156	2,819.351	VVA
3059_2019_WY	2,221,718.819	-1,076,284.586	2,146.945	VVA
3060_2019_WY	2,229,624.201	-1,078,793.745	2,142.859	VVA
3061_2019_WY	2,215,440.551	-1,074,788.944	2,108.377	VVA
3062_2019_WY	2,239,326.279	-1,083,012.501	2,188.483	VVA
3063_2019_WY	2,240,293.346	-1,084,496.693	2,187.378	VVA
3064_2019_WY	2,242,134.199	-1,085,855.147	2,210.050	VVA
3065_2019_WY	2,245,365.760	-1,086,767.373	2,233.879	VVA
3066_2019_WY	2,265,137.606	-1,096,842.638	2,187.523	VVA
3067_2019_WY	2,258,054.506	-1,098,737.303	2,182.896	VVA
3068_2019_WY	2,256,227.703	-1,101,869.547	2,205.212	VVA
3069_2019_WY	2,259,400.457	-1,108,831.954	2,184.930	VVA
3070_2019_WY	2,261,916.518	-1,125,661.362	2,092.299	VVA

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
3071_2019_WY	2,267,240.738	-1,132,360.892	2,102.501	VVA
3072_2019_WY	2,275,162.620	-1,141,738.020	2,167.173	VVA
3073_2019_WY	2,280,125.158	-1,139,782.815	2,157.688	VVA
3074_2019_WY	2,282,938.567	-1,138,743.006	2,155.171	VVA
3075_2019_WY	2,287,825.361	-1,137,903.515	2,249.123	VVA
3076_2019_WY	2,290,228.054	-1,139,402.174	2,200.804	VVA
3077_2019_WY	2,292,083.526	-1,139,125.414	2,191.393	VVA
3078_2019_WY	2,293,354.824	-1,138,984.795	2,195.133	VVA
3079_2019_WY	2,294,866.276	-1,138,756.771	2,203.807	VVA
3080_2019_WY	2,295,042.026	-1,141,328.194	2,205.796	VVA
3081_2019_WY	2,298,582.373	-1,145,479.613	2,226.626	VVA
3082_2019_WY	2,301,413.267	-1,148,911.069	2,249.838	VVA
3083_2019_WY	2,233,072.546	-1,137,836.356	2,200.851	VVA
3083A_2019_WY	2,227,038.869	-1,120,925.003	2,139.485	VVA
3084_2019_WY	2,235,464.008	-1,180,379.910	2,249.299	VVA
3085_2019_WY	2,237,466.229	-1,182,721.142	2,284.409	VVA
3086_2019_WY	2,239,670.912	-1,186,369.781	2,347.546	VVA
3087_2019_WY	2,244,307.609	-1,185,923.381	2,354.399	VVA
3088_2019_WY	2,250,820.564	-1,160,315.708	2,294.652	VVA
3089_2019_WY	2,263,965.011	-1,168,483.283	2,334.633	VVA
3090_2019_WY	2,265,832.058	-1,171,050.754	2,385.168	VVA
3091_2019_WY	2,267,934.346	-1,174,018.136	2,432.150	VVA
3092_2019_WY	2,272,622.809	-1,178,686.696	2,621.500	VVA
3093_2019_WY	2,270,239.210	-1,180,506.322	2,550.881	VVA
3093A_2019_WY	2,270,314.664	-1,180,502.749	2,550.754	VVA
3094_2019_WY	2,263,970.661	-1,182,561.961	2,569.020	VVA
3094A_2019_WY	2,267,756.878	-1,178,692.364	2,526.817	VVA
3095_2019_WY	2,265,184.625	-1,180,754.515	2,594.255	VVA
3095B_2019_WY	2,265,705.009	-1,180,430.575	2,574.950	VVA
3096_2019_WY	2,255,718.956	-1,186,830.796	2,668.363	VVA
3097_2019_WY	2,314,559.732	-1,127,564.936	2,395.123	VVA
3098_2019_WY	2,325,357.504	-1,162,123.130	2,142.796	VVA
3099_2019_WY	2,318,847.770	-1,168,714.041	2,265.063	VVA

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
3100_2019_WY	2,317,523.216	-1,134,567.097	2,313.380	VVA
3100A_2019_WY	2,317,307.536	-1,134,799.690	2,322.525	VVA
3101_2019_WY	2,268,964.211	-992,162.724	1,660.965	VVA
3102_2019_MT	2,527,980.497	-650,285.501	1,191.742	VVA
3103_2019_MT	2,530,767.345	-647,578.699	1,179.043	VVA
3104_2019_MT	2,531,103.369	-646,754.103	1,159.344	VVA
3105_2019_MT	2,532,513.494	-631,040.950	1,004.222	VVA
3106_2019_MT	2,534,669.963	-636,943.159	1,029.663	VVA
3107_2019_MT	2,542,336.968	-630,746.143	1,050.415	VVA
3108_2019_MT	2,557,034.517	-630,168.942	979.971	VVA
3109_2019_MT	2,559,498.711	-630,680.662	967.566	VVA
3110_2019_MT	2,565,664.207	-634,250.807	931.659	VVA
3111_2019_MT	2,557,590.223	-653,384.270	980.514	VVA
3112_2019_MT	2,563,907.018	-673,386.508	1,093.928	VVA
3113_2019_MT	2,575,432.971	-670,720.244	1,033.365	VVA
3114_2019_MT	2,582,330.255	-659,153.170	996.636	VVA
3115_2019_MT	2,588,373.264	-656,108.845	999.781	VVA
3116_2019_MT	2,589,819.699	-650,241.678	964.879	VVA
3117_2019_MT	2,589,992.387	-676,313.109	979.446	VVA
3118_2019_MT	2,600,168.763	-688,714.160	984.061	VVA
3119_2019_MT	2,604,044.258	-686,234.688	989.619	VVA
3120_2019_MT	2,597,436.072	-660,522.216	949.056	VVA
3121_2019_MT	2,583,107.423	-664,516.321	1,015.823	VVA
3122_2019_MT	2,587,108.824	-682,773.839	936.713	VVA
3123_2019_MT	2,562,827.937	-688,241.949	946.888	VVA
3123A_2019_MT	2,563,269.913	-683,171.853	949.552	VVA
3124_2019_MT	2,531,199.577	-699,371.045	954.391	VVA
3125_2019_MT	2,528,249.335	-700,328.697	953.494	VVA
3126_2019_MT	2,520,019.298	-700,800.526	1,085.015	VVA
3127_2019_MT	2,517,073.558	-699,579.060	1,082.243	VVA
3128_2019_MT	2,513,990.341	-706,065.478	1,084.391	VVA
3129_2019_MT	2,503,568.933	-697,088.912	1,137.615	VVA
3130_2019_WY	2,496,595.478	-708,889.063	1,161.678	VVA

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
3131_2019_WY	2,470,691.539	-663,631.802	1,135.542	VVA
3132_2019_WY	2,468,066.326	-662,220.114	1,098.694	VVA
3133_2019_WY	2,438,633.472	-659,573.002	1,443.377	VVA
3134_2019_WY	2,435,833.882	-658,291.117	1,431.711	VVA
3135_2019_WY	2,440,231.323	-665,377.413	1,230.428	VVA
3136_2019_WY	2,442,071.327	-667,024.284	1,210.366	VVA
3137_2019_WY	2,441,914.132	-672,281.904	1,214.392	VVA
3137A_2019_WY	2,441,892.093	-672,283.604	1,212.028	VVA
3138_2019_WY	2,440,365.906	-678,665.702	1,237.384	VVA
3139_2019_WY	2,428,061.590	-663,706.006	1,532.551	VVA
3139A_2019_WY	2,428,173.640	-658,259.577	1,314.180	VVA
3140_2019_WY	2,398,291.521	-646,864.214	1,622.549	VVA
3141_2019_WY	2,400,122.524	-655,772.056	1,483.317	VVA
3142_2019_WY	2,375,222.481	-650,159.825	1,813.904	VVA
3143_2019_WY	2,359,063.840	-654,736.059	1,524.957	VVA
3144_2019_WY	2,352,842.517	-654,014.751	1,587.157	VVA
3145_2019_WY	2,349,691.202	-654,613.689	1,516.780	VVA
3146_2019_WY	2,340,453.430	-650,181.272	1,304.057	VVA
3147_2019_WY	2,333,459.336	-694,240.100	1,268.536	VVA
3148_2019_WY	2,239,992.383	-682,061.691	1,537.426	VVA
3149_2019_WY	2,223,051.979	-679,067.806	1,498.286	VVA
3150_2019_WY	2,214,384.756	-664,053.499	1,470.503	VVA
3151_2019_WY	2,216,061.120	-686,655.099	1,535.006	VVA
3152_2019_WY	2,199,680.590	-729,701.265	1,486.844	VVA
3153_2019_WY	2,192,836.136	-731,750.353	1,381.826	VVA
3154_2019_WY	2,159,867.056	-736,901.887	1,398.129	VVA
3155_2019_WY	2,150,162.489	-730,332.521	1,400.545	VVA
3156_2019_WY	2,142,408.598	-741,331.463	1,537.820	VVA
3157_2019_WY	2,138,623.236	-748,883.398	1,537.068	VVA
3158_2019_WY	2,129,726.328	-720,102.816	1,583.987	VVA
3159_2019_WY	2,114,559.003	-715,123.542	1,655.516	VVA
3160_2019_WY	2,111,255.208	-715,401.312	1,656.454	VVA
3161_2019_WY	2,105,813.094	-727,130.647	1,724.409	VVA

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
3162_2019_WY	2,106,481.090	-733,481.890	1,803.159	VVA
3163_2019_WY	2,112,547.112	-736,417.735	1,681.330	VVA
3164_2019_WY	2,154,015.356	-761,662.006	1,787.880	VVA
3165_2019_WY	2,154,048.043	-760,430.853	1,687.094	VVA
3166_2019_WY	2,210,827.195	-958,216.866	2,556.071	VVA
3167_2019_WY	2,209,001.476	-954,381.251	2,564.605	VVA
3168_2019_WY	2,238,881.585	-1,039,650.209	2,528.712	VVA
3169_2019_WY	2,345,758.737	-824,944.102	1,348.053	VVA
3170_2019_WY	2,346,294.920	-837,411.952	1,368.659	VVA
3171_2019_WY	2,351,114.818	-853,679.721	1,442.078	VVA
3172_2019_WY	2,356,737.602	-856,877.162	1,518.115	VVA
3172A_2019_WY	2,356,779.573	-856,365.493	1,521.669	VVA
3172B_2019_WY	2,356,263.614	-855,764.999	1,512.506	VVA
3173_2019_WY	2,358,208.184	-857,840.317	1,524.329	VVA
3174_2019_WY	2,360,764.913	-859,847.612	1,558.297	VVA
3175_2019_WY	2,361,889.027	-860,558.029	1,560.245	VVA
3176_2019_WY	2,364,653.890	-862,987.440	1,595.854	VVA
3177_2019_WY	2,365,601.745	-870,426.822	2,049.321	VVA
3177A_2019_WY	2,365,654.341	-870,424.608	2,048.025	VVA
3178_2019_WY	2,367,591.708	-874,821.845	2,478.251	VVA
3178A_2019_WY	2,367,881.560	-874,939.754	2,509.965	VVA
3179_2019_WY	2,390,901.881	-878,096.093	2,551.157	VVA
3180_2019_WY	2,408,184.972	-867,910.533	2,548.070	VVA
3181_2019_WY	2,411,962.037	-866,636.363	2,436.861	VVA
3182_2019_WY	2,414,358.568	-869,437.339	2,420.405	VVA
3183_2019_WY	2,417,268.138	-869,091.762	2,343.006	VVA
3184_2019_WY	2,416,207.967	-872,453.322	2,469.892	VVA
3185_2019_WY	2,419,817.315	-865,595.586	2,108.487	VVA
3186_2019_WY	2,422,377.948	-869,764.018	2,349.071	VVA
3187_2019_WY	2,445,038.410	-860,896.927	1,565.044	VVA
3188_2019_WY	2,440,559.612	-851,105.993	1,364.827	VVA
3189_2019_WY	2,447,484.836	-887,215.946	2,526.166	VVA
3190_2019_WY	2,422,518.702	-844,499.749	1,374.089	VVA

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
3191_2019_WY	2,424,505.599	-843,806.957	1,359.932	VVA
3192_2019_WY	2,427,920.922	-840,074.587	1,323.944	VVA
3193_2019_WY	2,433,641.136	-836,603.951	1,292.697	VVA
3194_2019_WY	2,435,675.708	-835,996.618	1,284.645	VVA
3195_2019_WY	2,442,315.432	-834,087.602	1,252.619	VVA
3196_2019_WY	2,439,803.877	-826,682.379	1,256.667	VVA
3197_2019_WY	2,441,110.260	-825,941.067	1,244.039	VVA
3198_2019_WY	2,426,782.933	-824,014.214	1,316.379	VVA
3199_2019_WY	2,424,740.466	-824,270.652	1,243.907	VVA
3200_2019_WY	2,419,099.300	-843,880.968	1,406.978	VVA
3201_2019_WY	2,416,121.203	-846,281.816	1,445.647	VVA
3202_2019_WY	2,415,423.634	-848,852.019	1,473.680	VVA
3203_2019_WY	2,424,905.828	-848,429.624	1,407.835	VVA
3204_2019_WY	2,430,628.434	-855,703.786	1,497.683	VVA
3205_2019_WY	2,430,407.077	-860,284.487	1,617.479	VVA
3206_2019_WY	2,423,586.337	-852,083.604	1,496.411	VVA
3207_2019_WY	2,403,253.967	-852,000.910	1,527.564	VVA
3208_2019_WY	2,396,541.707	-852,662.606	1,475.599	VVA
3209_2019_WY	2,390,587.793	-845,854.504	1,403.966	VVA
3210_2019_WY	2,367,620.551	-849,184.940	1,545.755	VVA
3211_2019_WY	2,355,973.636	-849,007.489	1,442.166	VVA
3212_2019_WY	2,348,685.696	-846,516.883	1,399.376	VVA
3213_2019_WY	2,344,069.443	-864,542.506	1,480.350	VVA
3214_2019_WY	2,346,221.170	-871,345.921	1,546.542	VVA
3215_2019_WY	2,346,116.871	-871,990.826	1,547.848	VVA
3216_2019_WY	2,346,039.935	-874,285.393	1,562.904	VVA
3217_2019_WY	2,341,537.306	-873,394.883	1,540.470	VVA
3218_2019_WY	2,329,403.203	-841,278.645	1,509.425	VVA
3219_2019_WY	2,324,345.135	-840,321.018	1,483.705	VVA
3220_2019_WY	2,328,295.928	-856,942.895	1,500.899	VVA
3221_2019_WY	2,339,146.132	-848,038.921	1,414.027	VVA
3222_2019_WY	2,371,505.696	-835,101.731	1,450.298	VVA
3223_2019_WY	2,369,022.220	-826,109.805	1,355.217	VVA

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
3224_2019_WY	2,364,701.832	-815,552.326	1,341.129	VVA
3224A_2019_WY	2,364,677.251	-815,540.983	1,342.491	VVA
3225_2019_WY	2,392,688.955	-812,972.266	1,360.997	VVA
3226_2019_WY	2,394,456.455	-817,797.259	1,432.890	VVA
3227_2019_WY	2,400,775.742	-796,874.002	1,262.930	VVA
3228_2019_WY	2,401,575.547	-802,173.797	1,240.551	VVA
3229_2019_WY	2,401,749.005	-807,578.617	1,205.478	VVA
3230_2019_WY	2,401,588.312	-821,980.392	1,436.678	VVA
3231_2019_WY	2,405,855.360	-826,081.771	1,382.480	VVA
3232_2019_WY	2,409,805.967	-833,901.467	1,356.651	VVA
3233_2019_WY	2,412,161.543	-837,727.364	1,386.919	VVA
3234_2019_WY	2,381,705.862	-852,776.705	1,466.152	VVA
3235_2019_WY	2,327,814.584	-806,761.428	1,522.218	VVA
3236_2019_WY	2,327,563.077	-811,827.771	1,611.692	VVA
3237_2019_WY	2,323,476.433	-816,489.037	1,659.782	VVA
3238_2019_WY	2,321,101.159	-819,376.856	1,555.962	VVA
3239_2019_WY	2,339,935.293	-817,894.134	1,443.437	VVA
3240_2019_WY	2,343,593.855	-851,757.362	1,454.727	VVA
3241_2019_WY	2,329,945.767	-892,843.419	2,475.025	VVA
3242_2019_WY	2,371,311.536	-857,510.503	1,681.365	VVA
3243_2019_WY	2,374,638.224	-879,937.535	2,404.874	VVA
3244_2019_WY	2,387,127.636	-882,316.469	2,547.035	VVA
3245_2019_WY	2,400,768.654	-873,447.092	2,537.741	VVA
3246_2019_WY	2,402,479.343	-881,587.497	2,937.811	VVA
3247_2019_WY	2,419,991.204	-856,400.555	1,647.069	VVA
3248_2019_WY	2,415,057.482	-806,355.807	1,185.494	VVA
3249_2019_WY	2,407,563.721	-806,378.873	1,212.475	VVA
3250_2019_WY	2,438,990.305	-799,039.139	1,146.953	VVA
3251_2019_WY	2,431,934.569	-801,903.471	1,151.407	VVA
3252_2019_MT	2,506,474.398	-703,852.462	1,051.277	VVA
3253_2019_MT	2,512,222.574	-700,900.771	1,160.729	VVA
3254_2019_WY	2,431,576.286	-810,760.727	1,180.037	VVA
3255_2019_WY	2,484,752.491	-708,451.286	1,211.603	VVA

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
3256_2019_WY	2,484,457.115	-705,052.762	1,197.452	VVA
3257_2019_WY	2,479,446.892	-709,661.439	1,226.530	VVA
3258_2019_WY	2,472,033.704	-714,343.640	1,193.098	VVA
3259_2019_WY	2,463,312.727	-647,306.934	1,048.769	VVA
3260_2019_SD	2,451,364.586	-635,061.849	970.828	VVA
3261_2019_WY	2,449,584.163	-642,342.624	966.207	VVA
3262_2019_WY	2,452,884.850	-646,450.771	977.570	VVA
3263_2019_WY	2,452,412.333	-652,343.199	1,079.370	VVA
3264_2019_WY	2,452,233.504	-668,025.350	1,112.102	VVA
3265_2019_WY	2,443,055.197	-678,025.617	1,140.429	VVA
3266_2019_WY	2,448,722.463	-698,554.752	1,345.392	VVA
3267_2019_WY	2,445,893.504	-702,886.485	1,216.995	VVA
3268_2019_WY	2,444,379.564	-704,333.517	1,186.111	VVA
3269_2019_WY	2,442,940.307	-705,389.301	1,222.456	VVA
3270_2019_WY	2,445,417.446	-706,125.059	1,210.019	VVA
3271_2019_WY	2,442,507.790	-712,247.215	1,249.226	VVA
3272_2019_WY	2,443,031.555	-713,374.712	1,252.009	VVA
3273_2019_WY	2,444,958.216	-716,098.809	1,232.582	VVA
3274_2019_WY	2,445,117.517	-716,951.897	1,221.402	VVA
3275_2019_WY	2,445,178.025	-717,649.031	1,224.749	VVA
3276_2019_WY	2,438,925.553	-705,701.001	1,236.651	VVA
3277_2019_WY	2,427,607.895	-709,045.888	1,315.250	VVA
3277A_2019_WY	2,427,613.162	-709,051.928	1,315.396	VVA
3278_2019_WY	2,424,456.022	-709,600.964	1,287.575	VVA
3278A_2019_WY	2,416,093.419	-710,691.995	1,323.656	VVA
3279_2019_WY	2,421,907.681	-688,646.931	1,274.749	VVA
3280_2019_WY	2,420,873.132	-697,213.085	1,249.118	VVA
3281_2019_WY	2,418,684.494	-697,879.347	1,334.662	VVA
3282_2019_WY	2,416,694.524	-698,459.427	1,322.547	VVA
3283_2019_WY	2,415,078.926	-700,973.867	1,306.169	VVA
3284_2019_WY	2,413,782.982	-703,417.774	1,267.340	VVA
3285_2019_WY	2,409,456.145	-705,524.559	1,262.327	VVA
3286_2019_WY	2,408,470.142	-706,028.038	1,257.312	VVA

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
3287_2019_WY	2,406,912.474	-707,801.625	1,256.499	VVA
3288_2019_WY	2,403,408.256	-707,956.170	1,265.853	VVA
3289_2019_WY	2,402,948.101	-713,259.711	1,264.078	VVA
3290_2019_WY	2,401,310.626	-713,604.161	1,267.215	VVA
3291_2019_WY	2,399,503.576	-714,697.390	1,268.702	VVA
3292_2019_WY	2,400,416.832	-719,586.955	1,298.964	VVA
3293_2019_WY	2,400,306.419	-720,329.413	1,284.212	VVA
3294_2019_WY	2,400,483.685	-684,181.067	1,302.006	VVA
3294A_2019_WY	2,392,402.439	-672,761.341	1,398.638	VVA
3295_2019_WY	2,396,239.752	-666,852.677	1,483.918	VVA
3295A_2019_WY	2,400,554.708	-684,492.481	1,304.522	VVA
3296_2019_WY	2,403,172.337	-672,544.553	1,468.141	VVA
3297_2019_WY	2,407,478.287	-666,269.750	1,480.589	VVA
3298_2019_WY	2,407,650.826	-666,884.495	1,496.009	VVA
3299_2019_WY	2,409,700.240	-661,978.051	1,413.081	VVA
3300_2019_WY	2,411,769.532	-657,781.536	1,362.528	VVA
3301_2019_WY	2,411,820.598	-658,101.140	1,362.074	VVA
3302_2019_WY	2,414,217.923	-655,412.725	1,341.879	VVA
3303_2019_WY	2,422,306.025	-641,362.918	1,080.059	VVA
3304_2019_WY	2,422,361.503	-640,373.977	1,070.565	VVA
3305_2019_WY	2,419,097.659	-638,126.235	1,139.667	VVA
3306_2019_WY	2,419,014.283	-640,823.692	1,104.817	VVA
3307_2019_WY	2,377,247.323	-687,422.023	1,297.923	VVA
3308_2019_WY	2,377,590.909	-688,698.851	1,288.141	VVA
3309_2019_WY	2,378,356.001	-693,002.765	1,324.658	VVA
3310_2019_WY	2,365,685.292	-698,392.092	1,447.357	VVA
3311_2019_WY	2,355,893.564	-701,796.042	1,359.220	VVA
3312_2019_WY	2,332,735.959	-704,122.735	1,327.707	VVA
3313_2019_WY	2,332,102.831	-712,016.285	1,318.905	VVA
3314_2019_WY	2,319,778.298	-700,213.344	1,245.733	VVA
3315_2019_WY	2,317,328.630	-703,991.133	1,344.953	VVA
3316_2019_WY	2,312,177.749	-716,456.580	1,282.556	VVA
3317_2019_WY	2,298,406.636	-659,624.934	1,135.749	VVA

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
3318_2019_WY	2,294,852.530	-661,520.597	1,137.639	VVA
3319_2019_WY	2,284,209.568	-649,588.154	1,181.400	VVA
3320_2019_WY	2,284,206.555	-649,725.886	1,183.976	VVA
3320A_2019_WY	2,290,002.472	-665,407.607	1,160.769	VVA
3321_2019_WY	2,271,074.460	-673,117.181	1,242.154	VVA
3321A_2019_WY	2,304,598.549	-659,631.539	1,132.179	VVA
3322_2019_WY	2,271,904.676	-672,696.759	1,240.709	VVA
3323_2019_WY	2,265,791.564	-675,318.493	1,249.201	VVA
3324_2019_WY	2,234,362.262	-683,093.409	1,562.787	VVA
3324A_2019_WY	2,261,914.304	-676,669.067	1,262.762	VVA
3325_2019_WY	2,250,327.352	-677,424.173	1,339.951	VVA
3326_2019_WY	2,285,967.502	-694,335.836	1,238.447	VVA
3327_2019_WY	2,286,547.490	-705,921.655	1,288.543	VVA
3328_2019_WY	2,288,550.522	-706,597.551	1,338.057	VVA
3329_2019_WY	2,284,547.102	-717,315.289	1,365.310	VVA
3330_2019_WY	2,278,469.556	-717,691.541	1,383.920	VVA
3331_2019_WY	2,229,390.011	-719,424.572	1,579.435	VVA
3332_2019_WY	2,229,016.981	-708,390.341	1,629.552	VVA
3333_2019_WY	2,229,229.205	-700,157.322	1,601.428	VVA
3334_2019_WY	2,206,009.863	-719,792.262	1,519.939	VVA
3336_2019_WY	2,207,570.149	-730,279.455	1,441.770	VVA
3337_2019_WY	2,207,794.798	-730,473.188	1,422.584	VVA
3338_2019_WY	2,207,470.650	-728,530.047	1,415.567	VVA
3339_2019_WY	2,210,401.735	-727,581.983	1,420.056	VVA
3340_2019_WY	2,171,732.479	-708,163.418	1,323.261	VVA
3341_2019_WY	2,128,521.520	-760,646.783	1,652.142	VVA
3342_2019_WY	2,133,468.682	-758,151.283	1,604.516	VVA
3343_2019_WY	2,107,189.326	-747,545.703	1,804.249	VVA
3344_2019_WY	2,107,095.371	-747,305.049	1,796.377	VVA
3345_2019_WY	2,107,200.123	-746,926.045	1,781.019	VVA
3346_2019_WY	2,107,943.567	-746,037.114	1,756.208	VVA
3347_2019_WY	2,108,160.488	-745,323.274	1,753.237	VVA
3348_2019_WY	2,341,892.630	-669,610.427	1,187.751	VVA

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
3349_2019_WY	2,334,473.734	-685,842.725	1,296.279	VVA
3350_2019_WY	2,332,603.751	-686,060.464	1,314.745	VVA
3351_2019_WY	2,317,713.793	-656,657.831	1,141.268	VVA
3352_2019_WY	2,119,922.262	-736,857.333	1,696.657	VVA
3353_2019_WY	2,117,347.973	-726,918.453	1,610.462	VVA
3354_2019_WY	2,134,604.684	-733,502.969	1,544.762	VVA
3355_2019_WY	2,141,690.841	-717,030.081	1,558.129	VVA
3356_2019_WY	2,176,984.072	-756,162.657	1,675.814	VVA
3357_2019_WY	2,211,175.388	-738,856.150	1,420.321	VVA
3358_2019_WY	2,220,471.944	-700,727.905	1,676.242	VVA
3359_2019_WY	2,252,639.965	-949,592.280	2,010.553	VVA
3360_2019_WY	2,255,280.322	-947,749.120	1,954.174	VVA
3361_2019_WY	2,256,080.623	-936,591.559	2,079.716	VVA
3362_2019_WY	2,267,480.951	-949,609.143	1,789.089	VVA
3363_2019_WY	2,272,671.383	-958,140.719	1,809.997	VVA
3364_2019_WY	2,274,619.233	-959,610.569	1,737.270	VVA
3365_2019_WY	2,279,338.307	-966,287.208	1,653.799	VVA
3366_2019_WY	2,285,677.333	-973,403.291	1,638.015	VVA
3367_2019_WY	2,254,513.487	-980,234.674	2,132.348	VVA
3368_2019_WY	2,212,003.438	-1,048,567.418	2,381.386	VVA
3369_2019_WY	2,212,069.961	-1,059,921.879	2,161.938	VVA
3370_2019_WY	2,224,484.104	-1,101,525.418	2,074.809	VVA
3371_2019_WY	2,227,978.979	-1,158,808.833	2,010.502	VVA
3372_2019_WY	2,229,165.838	-1,156,627.688	2,019.184	VVA
3373_2019_WY	2,231,034.631	-1,157,752.693	2,018.118	VVA
3374_2019_WY	2,238,581.673	-1,165,281.252	2,277.955	VVA
3375_2019_WY	2,239,871.393	-1,164,654.588	2,236.986	VVA
3376_2019_WY	2,247,338.346	-1,146,339.272	2,041.887	VVA
3377_2019_WY	2,254,710.254	-1,150,983.616	2,107.977	VVA
3378_2019_WY	2,280,948.412	-1,098,919.882	2,494.307	VVA
3379_2019_WY	2,274,905.634	-1,104,353.450	2,148.677	VVA
3380_2019_WY	2,275,055.504	-1,112,355.813	2,139.601	VVA
3381_2019_WY	2,268,844.669	-1,119,045.971	2,116.687	VVA

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
3382_2019_WY	2,282,516.808	-1,119,750.948	2,165.404	VVA
3383_2019_WY	2,286,484.221	-1,121,512.326	2,178.446	VVA
3384_2019_WY	2,287,460.680	-1,121,499.377	2,179.173	VVA
3385_2019_WY	2,288,405.604	-1,121,285.803	2,193.755	VVA
3386_2019_WY	2,296,594.644	-1,130,833.562	2,226.233	VVA
3387_2019_WY	2,309,944.031	-1,140,494.105	2,285.050	VVA
3388_2019_WY	2,323,195.829	-1,145,098.330	2,416.053	VVA
3389_2019_WY	2,332,989.853	-1,160,238.881	2,021.154	VVA
3390_2019_WY	2,334,949.430	-1,160,684.999	2,004.357	VVA
3391_2019_WY	2,342,538.252	-1,168,417.059	1,930.045	VVA

Geodetic Control

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
20 001.80	2,533,168.649	-625,475.100	971.029	AI3952
100_2019_WY	2,116,234.260	-732,593.507	1,655.301	TSM
101_2019_WY	2,219,329.477	-672,008.349	1,500.925	TSM
102_2019_WY	2,173,266.896	-713,590.787	1,335.356	TSM
103_2019_WY	2,171,997.726	-737,853.756	1,497.399	TSM
104_2019_WY	2,136,220.710	-753,338.637	1,585.472	TSM
105_2019_WY	2,260,437.215	-696,846.810	1,358.645	TSM
106_2019_WY	2,279,901.064	-695,890.758	1,226.804	TSM
107_2019_WY	2,314,042.096	-658,216.888	1,164.388	TSM
108_2019_WY	2,343,635.460	-693,061.876	1,311.635	TSM
109_2019_WY	2,368,333.897	-698,069.120	1,397.524	TSM
110_2019_WY	2,365,943.315	-679,084.071	1,257.637	TSM
112_2019_WY	2,372,011.414	-649,602.267	1,784.354	TSM
113_2019_WY	2,386,521.486	-658,198.206	1,574.457	TSM
114_2019_WY	2,415,156.176	-702,459.769	1,359.849	TSM
116_2019_WY	2,432,722.928	-806,173.618	1,172.962	TSM

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
118_2019_WY	2,409,211.069	-806,471.147	1,216.517	TSM
119_2019_WY	2,403,077.672	-822,812.542	1,427.441	TSM
120_2019_WY	2,428,356.904	-839,873.376	1,320.167	TSM
121_2019_WY	2,430,542.843	-851,832.277	1,515.698	TSM
122_2019_WY	2,419,915.060	-856,870.741	1,668.526	TSM
150_2019_WY	2,368,274.380	-1,105,060.587	2,422.338	TSM
151_2019_WY	2,377,273.351	-1,114,662.541	2,430.939	TSM
152_2019_WY	2,370,566.662	-1,075,733.639	2,488.934	TSM
153_2019_WY	2,293,288.570	-1,157,161.021	2,308.569	TSM
154_2019_WY	2,271,149.676	-1,112,866.185	2,120.898	TSM
155_2019_WY	2,242,567.185	-1,185,484.046	2,341.476	TSM
156_2019_WY	2,268,695.178	-1,176,244.760	2,474.394	TSM
157_2019_WY	2,228,560.152	-1,083,364.712	2,197.991	TSM
158_2019_WY	2,238,172.973	-1,040,276.532	2,607.197	TSM
159_2019_WY	2,261,094.777	-1,044,146.194	2,608.185	TSM
160_2019_WY	2,400,022.817	-870,338.865	2,486.636	TSM
161_2019_WY	2,391,026.234	-847,132.483	1,412.633	TSM
162_2019_WY	2,364,636.508	-862,762.696	1,593.264	TSM
163_2019_WY	2,346,713.694	-873,984.118	1,564.587	TSM
165_2019_WY	2,364,001.535	-826,794.447	1,424.329	TSM
170_2019_WY	2,351,236.387	-1,081,645.739	2,031.998	TSM
178_2019_WY	2,246,521.959	-1,025,801.465	2,136.288	TSM
179_2019_WY	2,390,855.851	-1,020,189.313	1,912.482	TSM
180_2019_WY	2,202,249.810	-736,706.377	1,446.732	TSM
181_2019_WY	2,206,458.893	-724,270.172	1,472.950	TSM
182_2019_WY	2,257,841.541	-677,510.635	1,292.629	TSM
183_2019_WY	2,290,023.064	-665,412.754	1,160.753	TSM
184_2019_WY	2,436,251.454	-658,519.473	1,430.694	TSM
185_2019_WY	2,435,498.816	-686,181.642	1,168.105	TSM
186_2019_WY	2,442,477.740	-712,219.865	1,251.223	TSM
187_2019_MT	2,592,113.508	-677,424.704	1,005.599	TSM
188_2019_MT	2,561,837.699	-669,305.357	1,030.206	TSM
189_2019_MT	2,570,480.144	-637,876.832	979.367	TSM

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
190_2019_MT	2,536,147.199	-637,289.373	1,065.062	TSM
191_2019_MT	2,516,952.294	-699,583.793	1,088.320	TSM
192_2019_WY	2,367,946.849	-1,041,493.186	2,690.659	TSM
193_2019_WY	2,360,032.821	-954,575.755	1,495.029	TSM
194_2019_WY	2,331,593.678	-944,864.626	1,759.528	TSM
195_2019_WY	2,265,758.255	-947,474.950	1,843.144	TSM
196_2019_WY	2,283,769.442	-980,144.684	1,644.200	TSM
197_2019_WY	2,313,475.574	-1,010,655.605	1,631.298	TSM
198_2019_WY	2,311,431.410	-976,994.290	1,469.494	TSM
199_2019_WY	2,325,138.755	-1,054,057.458	1,793.832	TSM
300_2019_WY	2,247,734.274	-1,003,465.877	1,721.960	TSM
301_2019_WY	2,208,980.947	-954,391.638	2,564.932	TSM
302_2019_WY	2,211,580.790	-999,098.644	2,133.219	TSM
500_2019_WY	2,336,439.329	-818,551.542	1,541.509	TSM
501_2019_WY	2,337,980.261	-845,895.158	1,455.509	TSM
502_2019_WY	2,348,034.602	-857,093.963	1,454.381	TSM
A 27	2,313,511.811	-944,752.696	1,595.963	OV0150
A 28	2,224,052.405	-961,425.421	1,931.364	NR0199
A 47	2,357,610.298	-1,088,591.424	2,091.068	OW0158
BM	2,313,441.763	-1,028,168.776	1,656.054	OW0094
CRMS 12	2,397,410.445	-702,361.793	1,282.968	PV0646
CRMS 60	2,403,236.816	-672,512.173	1,475.544	PV0655
D 60	2,432,869.996	-709,419.776	1,286.743	PV0159
D 105	2,229,170.536	-707,176.339	1,630.045	NQ0208
D 330	2,359,004.286	-978,310.927	1,394.167	OW0202
F 54	2,226,448.016	-686,760.207	1,534.942	NQ0056
F 92	2,096,578.347	-732,519.849	1,775.009	MO0301
G 50	2,274,713.706	-1,142,160.812	2,161.306	NT0020
G 206	2,580,677.767	-668,383.388	1,034.616	QU0081
G 336	2,208,519.121	-933,207.951	1,896.367	NR0297
H 39	2,408,474.813	-850,827.439	1,615.180	PW0099
HART	2,273,643.707	-1,030,588.773	1,639.053	AA2122
J 20	2,223,219.533	-1,054,880.322	2,288.128	NS0030

Point No.	Albers Equal Area		Ortho Height (NAVD88) (m)	Description
	Northing (m)	Easting (m)		
J 28	2,236,360.860	-979,949.712	2,051.290	NS0007
J 40	2,336,382.903	-844,992.675	1,465.254	OV0071
J 120	2,394,866.794	-709,306.709	1,303.472	PV0120
K 28	2,236,799.907	-982,904.387	2,035.477	NS0008
K 370	2,413,333.191	-656,462.591	1,372.799	PV0630
KILPATRICK	2,461,137.280	-644,960.786	1,079.231	PV0452
L 45	2,333,853.824	-1,160,705.312	2,012.376	OX0054
L 49	2,380,691.842	-1,002,068.375	1,593.023	OW0104
L 50	2,262,138.675	-1,144,684.695	2,095.213	NT0477
N 218 RESET	2,503,209.416	-697,627.071	1,131.949	QU0061
N 331	2,297,454.635	-942,890.058	1,681.673	OV0225
P 43	2,234,711.633	-1,104,342.080	2,138.676	NS0107
PLGPS 1 RESET	2,150,517.203	-735,930.834	1,475.044	AA2118
Q 45	2,340,069.023	-1,167,087.287	1,944.249	OX0059
Q 209	2,580,525.734	-660,182.355	1,011.646	QU0084
Q 356	2,326,816.666	-813,234.301	1,622.339	OV0275
ROUTE 120 STA 636+00	2,366,089.859	-993,538.810	1,484.371	OW0037
S 42	2,384,447.252	-1,116,863.513	2,557.778	OW0138
SHERWIN	2,316,340.372	-714,999.033	1,382.571	AA2131
T 28	2,239,126.168	-998,802.398	2,041.929	NS0016
T 346	2,463,527.593	-648,158.547	1,056.518	AD9035
U 6	2,344,625.328	-653,915.110	1,323.976	OU0046
U 20	2,246,449.220	-1,026,558.400	2,043.171	NS0044
U 44	2,298,973.941	-1,138,889.912	2,248.716	NT0008
U 53	2,253,004.108	-677,385.977	1,337.543	NQ0039
V 50	2,233,315.051	-1,157,028.791	2,031.052	NT0037
V 125	2,355,654.601	-668,011.826	1,288.654	OU0067
W 39	2,367,757.929	-850,175.063	1,552.328	OV0060
W 99	2,202,055.694	-736,185.498	1,437.692	NQ0282
W BUTTE	2,489,441.551	-708,376.682	1,356.932	QU0323
Y 119	2,284,598.183	-651,022.439	1,202.689	OU0104
Y 209	2,563,166.064	-654,701.187	1,027.324	QU0006
Z 165	2,148,452.514	-737,586.535	1,487.518	NQ0190

Coordinate System: Geodetic

HORIZONTAL DATUM: NAD83 2011 (2010.00)

Ellipsoid: GRS80

UNITS: METER

Ground Control

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
1001_2019_WY	N43°45'37.63384"	W110°4'9.99203"	2,878.590	LCP
1002_2019_WY	N43°43'13.51684"	W109°59'53.99646"	2,636.698	LCP
1003_2019_WY	N43°38'53.79309"	W109°55'44.71037"	2,355.076	LCP
1004_2019_WY	N43°37'43.88415"	W109°51'34.53264"	2,302.134	LCP
1005_2019_WY	N43°36'4.60214"	W109°47'32.3149"	2,220.280	LCP
1006_2019_WY	N43°34'26.87072"	W109°43'44.04726"	2,185.759	LCP
1007_2019_WY	N43°32'50.21872"	W109°39'55.23445"	2,123.266	LCP
1008_2019_WY	N43°31'4.74564"	W109°36'12.72209"	2,082.571	LCP
1009_2019_WY	N43°30'3.66005"	W109°32'40.03886"	2,035.904	LCP
1010_2019_WY	N43°28'8.22365"	W109°29'11.96628"	1,980.423	LCP
1011_2019_WY	N43°25'12.88784"	W109°22'3.58968"	1,930.752	LCP
1012_2019_WY	N43°26'5.88399"	W107°29'45.30006"	2,060.731	LCP
1012A_2019_WY	N43°26'8.39274"	W107°29'40.28723"	2,051.980	LCP
1013_2019_WY	N43°27'57.12902"	W107°34'43.41323"	2,018.111	LCP
1013A_2019_WY	N43°27'56.57762"	W107°34'44.13554"	2,017.406	LCP
1014_2019_WY	N43°20'2.29567"	W107°36'18.71515"	1,706.495	LCP
1015_2019_WY	N43°38'22.65391"	W109°25'16.54131"	2,366.276	LCP
1016_2019_WY	N43°26'42.88468"	W107°45'30.59818"	1,740.014	LCP
1017_2019_WY	N43°29'8.93906"	W107°50'47.06209"	1,947.905	LCP
1018_2019_WY	N43°34'30.38471"	W107°55'17.41493"	1,738.611	LCP
1018A_2019_WY	N43°34'27.49724"	W107°55'15.04602"	1,741.950	LCP
1019_2019_WY	N43°36'4.58075"	W107°59'50.76477"	1,544.895	LCP
1020_2019_WY	N43°35'1.99596"	W108°4'49.6817"	1,489.063	LCP

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
1021_2019_WY	N43°35'41.42567"	W108°10'8.90403"	1,353.016	LCP
1022_2019_WY	N43°38'32.95473"	W108°15'20.29114"	1,420.230	LCP
1023_2019_WY	N43°41'55.34278"	W108°20'23.2822"	1,425.563	LCP
1024_2019_WY	N43°45'22.07058"	W108°26'24.55126"	1,556.215	LCP
1025_2019_WY	N43°44'10.14855"	W108°32'2.30823"	1,606.524	LCP
1026_2019_WY	N43°47'46.69576"	W108°36'51.48771"	1,671.550	LCP
1027_2019_WY	N43°45'18.45389"	W108°41'24.8875"	1,772.594	LCP
1028_2019_WY	N43°44'52.00646"	W108°46'4.75075"	1,877.687	LCP
1029_2019_WY	N43°42'18.55167"	W108°50'36.69844"	1,951.598	LCP
1030_2019_WY	N43°41'37.514"	W108°56'31.23279"	2,148.840	LCP
1031_2019_WY	N43°51'43.24047"	W109°0'36.03876"	2,590.114	LCP
1032A_2019_WY	N43°40'9.37206"	W109°2'5.74035"	2,644.734	LCP
1033_2019_WY	N43°16'50.92256"	W110°35'55.62863"	1,881.544	LCP
1034_2019_WY	N43°16'17.85012"	W110°31'25.55099"	1,920.777	LCP
1035_2019_WY	N43°14'4.08517"	W110°26'28.3008"	1,969.575	LCP
1036_2019_WY	N43°9'10.18969"	W110°20'14.78973"	2,097.290	LCP
1037_2019_WY	N43°8'59.45176"	W110°16'21.11024"	2,176.432	LCP
1038_2019_WY	N43°7'59.24644"	W110°12'19.35989"	2,391.360	LCP
1039_2019_WY	N43°2'0.08921"	W110°7'47.20793"	2,288.818	LCP
1040_2019_WY	N42°58'54.79744"	W110°2'50.08608"	2,268.181	LCP
1041_2019_WY	N42°52'41.74852"	W109°57'42.97354"	2,197.195	LCP
1042_2019_WY	N42°52'0.37405"	W109°53'33.04405"	2,177.832	LCP
1043_2019_WY	N42°48'35.64727"	W109°49'41.5093"	2,155.263	LCP
1044_2019_WY	N42°47'1.99444"	W109°46'7.09724"	2,136.585	LCP
1045_2019_WY	N42°50'23.33941"	W109°42'41.13692"	2,240.322	LCP
1046_2019_WY	N42°46'36.15152"	W109°39'37.13292"	2,182.567	LCP
1047_2019_WY	N42°47'42.80529"	W109°36'29.65613"	2,200.790	LCP
1048_2019_WY	N42°49'12.87727"	W109°33'13.71499"	2,486.320	LCP
1049_2019_WY	N43°26'55.73105"	W109°28'19.45079"	1,967.146	LCP
1050_2019_WY	N42°50'35.78035"	W107°29'18.27624"	2,085.930	LCP
1051_2019_WY	N42°49'55.91776"	W107°34'44.35111"	1,990.984	LCP
1052_2019_WY	N42°50'25.87346"	W107°40'12.95"	1,873.518	LCP
1053_2019_WY	N42°53'17.95314"	W107°45'57.66108"	1,796.171	LCP

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
1054_2019_WY	N43°10'33.40731"	W107°50'52.95881"	1,591.584	LCP
1055_2019_WY	N43°12'43.6795"	W107°56'29.87206"	1,536.792	LCP
1056_2019_WY	N43°13'24.02757"	W108°2'10.27093"	1,489.558	LCP
1057_2019_WY	N43°13'59.19659"	W108°7'46.92089"	1,440.698	LCP
1058_2019_WY	N43°11'42.04427"	W108°14'11.51046"	1,465.718	LCP
1059_2019_WY	N43°11'11.07001"	W108°20'42.77499"	1,501.171	LCP
1060_2019_WY	N43°12'3.56895"	W108°26'57.62968"	1,561.462	LCP
1061_2019_WY	N43°12'53.07793"	W108°33'26.40794"	1,605.226	LCP
1062_2019_WY	N43°12'52.48528"	W108°39'59.53394"	1,616.434	LCP
1063_2019_WY	N43°11'52.31805"	W108°46'12.12224"	1,666.265	LCP
1064_2019_WY	N43°13'27.37517"	W108°51'31.72264"	1,660.828	LCP
1065_2019_WY	N43°12'50.09516"	W108°56'12.24681"	1,720.386	LCP
1066_2019_WY	N43°13'16.24905"	W108°59'51.94168"	1,726.727	LCP
1067_2019_WY	N43°14'50.28764"	W109°3'37.64158"	1,781.776	LCP
1068_2019_WY	N43°16'32.16683"	W109°7'16.80691"	1,809.135	LCP
1069_2019_WY	N43°17'59.67564"	W109°10'24.76503"	1,834.436	LCP
1070_2019_WY	N43°19'37.90455"	W109°13'30.45955"	1,865.975	LCP
1071_2019_WY	N43°22'5.02481"	W109°16'31.74524"	1,857.389	LCP
1072_2019_WY	N43°23'57.91637"	W109°19'34.99538"	1,977.087	LCP
1073_2019_WY	N43°25'13.68111"	W109°22'37.83858"	1,951.129	LCP
1074_2019_WY	N43°24'47.21507"	W109°25'46.6384"	1,925.754	LCP
1075_2019_WY	N42°28'4.06802"	W110°36'18.35014"	2,449.916	LCP
1076_2019_WY	N42°20'21.54028"	W110°31'42.59094"	2,296.421	LCP
1077_2019_WY	N42°18'1.48242"	W110°26'50.85448"	2,227.049	LCP
1078_2019_WY	N42°15'27.02102"	W110°21'31.33904"	2,139.452	LCP
1078A_2019_WY	N42°15'26.96241"	W110°21'29.99871"	2,139.465	LCP
1079_2019_WY	N42°17'58.24938"	W110°15'34.39989"	2,090.777	LCP
1080_2019_WY	N42°21'44.89686"	W110°9'12.86428"	2,026.225	LCP
1081_2019_WY	N42°34'44.59181"	W110°2'32.46641"	2,093.305	LCP
1082_2019_WY	N42°34'35.08033"	W109°55'57.25598"	2,076.252	LCP
1083_2019_WY	N42°36'4.91327"	W109°49'24.04002"	2,093.328	LCP
1084_2019_WY	N42°41'24.81682"	W109°42'43.11396"	2,117.741	LCP
1085_2019_WY	N42°31'38.5169"	W109°36'25.33023"	2,201.594	LCP

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
1086_2019_WY	N42°19'27.47831"	W109°30'40.22992"	2,067.790	LCP
1087_2019_WY	N42°15'11.80041"	W109°25'34.36317"	2,055.239	LCP
1088_2019_WY	N42°22'3.56025"	W109°21'1.72201"	2,138.349	LCP
1089_2019_WY	N42°22'21.63065"	W109°16'57.65094"	2,184.050	LCP
1090_2019_WY	N42°30'7.71698"	W109°12'39.79756"	2,441.023	LCP
1091_2019_WY	N42°29'47.99831"	W109°8'53.36806"	2,427.279	LCP
1092_2019_WY	N42°27'38.88245"	W109°5'29.0758"	2,401.409	LCP
1092A_2019_WY	N42°27'16.03458"	W109°5'14.06897"	2,436.092	LCP
1093_2019_WY	N42°26'3.83551"	W109°1'27.34974"	2,338.271	LCP
1094_2019_WY	N42°24'11.46713"	W108°57'48.02333"	2,316.510	LCP
1095_2019_WY	N42°23'56.16627"	W108°53'12.15314"	2,335.124	LCP
1096_2019_WY	N42°29'27.77849"	W108°48'51.30919"	2,500.283	LCP
1097_2019_WY	N42°32'33.07993"	W108°44'6.57117"	2,504.799	LCP
1098_2019_WY	N42°35'18.0401"	W108°39'0.678"	2,221.626	LCP
1099_2019_WY	N42°26'11.73172"	W108°34'1.52305"	2,237.033	LCP
1100_2019_WY	N42°15'14.96609"	W108°28'54.69303"	2,147.697	LCP
1101_2019_WY	N42°16'46.77879"	W108°23'15.35693"	2,169.243	LCP
1102_2019_WY	N42°19'4.69862"	W108°17'25.66042"	2,128.474	LCP
1103_2019_WY	N42°19'4.2783"	W108°11'39.89258"	2,161.293	LCP
1104_2019_WY	N42°17'0.33693"	W108°7'32.85334"	2,187.402	LCP
1105_2019_WY	N42°19'40.49043"	W108°1'24.56762"	2,147.662	LCP
1106_2019_WY	N42°18'39.54476"	W107°55'40.92301"	2,126.121	LCP
1107_2019_WY	N42°17'8.09698"	W107°49'46.4048"	2,158.362	LCP
1108_2019_WY	N42°15'53.99032"	W107°44'22.19738"	2,248.485	LCP
1109_2019_WY	N42°13'54.31418"	W107°39'18.93964"	2,228.341	LCP
1110_2019_WY	N42°13'54.49434"	W107°34'0.67935"	2,081.739	LCP
1111_2019_WY	N42°24'35.78048"	W107°29'49.45462"	1,966.910	LCP
1112_2019_WY	N44°12'29.1394"	W105°59'40.07436"	1,254.790	LCP
1113_2019_WY	N44°12'59.44982"	W106°4'1.44278"	1,229.283	LCP
1114_2019_WY	N44°13'8.73926"	W106°8'30.57527"	1,202.976	LCP
1115_2019_WY	N44°12'31.34781"	W106°13'2.66835"	1,353.201	LCP
1116_2019_WY	N44°12'42.95268"	W106°17'30.52386"	1,407.450	LCP
1117_2019_WY	N44°13'17.37393"	W106°21'54.84067"	1,384.800	LCP

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
1118_2019_WY	N44°15'7.6171"	W106°26'22.15445"	1,286.903	LCP
1119_2019_WY	N44°16'12.89238"	W106°30'47.10853"	1,376.005	LCP
1120_2019_WY	N44°17'13.19374"	W106°35'11.75926"	1,398.641	LCP
1121_2019_WY	N44°21'31.53363"	W106°39'35.35344"	1,366.483	LCP
1122_2019_WY	N44°24'33.06689"	W106°43'48.25223"	1,434.533	LCP
1123_2019_WY	N44°33'48.90812"	W106°48'53.72192"	1,425.587	LCP
1124_2019_WY	N44°34'9.75132"	W106°53'7.44151"	1,524.716	LCP
1125_2019_WY	N44°20'23.01664"	W106°57'44.79401"	2,338.325	LCP
1126_2019_WY	N44°9'8.47971"	W107°1'32.98146"	2,672.413	LCP
1127_2019_WY	N44°9'35.79432"	W107°6'9.22141"	2,873.738	LCP
1128_2019_WY	N44°33'40.74023"	W107°12'39.78216"	2,512.933	LCP
1129_2019_WY	N44°32'43.6151"	W107°13'2.71242"	2,516.492	LCP
1130_2019_WY	N43°33'32.83913"	W105°59'33.26021"	1,539.824	LCP
1130A_2019_WY	N43°33'33.2731"	W105°59'51.45592"	1,524.083	LCP
1131_2019_WY	N43°33'38.72663"	W106°3'43.73119"	1,510.573	LCP
1131A_2019_WY	N43°33'32.21826"	W106°2'57.59555"	1,507.970	LCP
1131B_2019_WY	N43°33'28.45478"	W106°5'6.51894"	1,524.200	LCP
1132_2019_WY	N43°32'38.2862"	W106°7'42.48069"	1,606.157	LCP
1133_2019_WY	N43°29'16.03607"	W106°11'44.86905"	1,543.684	LCP
1134_2019_WY	N43°41'17.42419"	W106°16'15.90426"	1,336.799	LCP
1135_2019_WY	N43°42'38.29834"	W106°20'41.5163"	1,359.047	LCP
1136_2019_WY	N43°41'54.37591"	W106°25'6.71511"	1,366.141	LCP
1137_2019_WY	N43°41'21.84698"	W106°29'28.82218"	1,376.472	LCP
1138_2019_WY	N43°42'14.17916"	W106°33'40.26191"	1,392.685	LCP
1139_2019_WY	N43°42'53.48743"	W106°37'48.36717"	1,418.842	LCP
1140_2019_WY	N43°46'7.3598"	W106°42'7.45652"	1,508.561	LCP
1141_2019_WY	N43°49'8.52457"	W106°46'18.36044"	1,561.953	LCP
1142_2019_WY	N43°50'16.535"	W106°50'51.81626"	1,711.783	LCP
1143_2019_WY	N43°50'34.11521"	W106°55'51.89287"	2,344.273	LCP
1144_2019_WY	N43°54'11.70022"	W107°0'54.57632"	2,436.426	LCP
1145_2019_WY	N43°58'32.35439"	W107°8'33.30362"	2,354.639	LCP
1146_2019_MT	N46°6'12.73327"	W104°56'50.10736"	887.636	LCP
1147_2019_MT	N46°3'4.02359"	W104°49'1.09737"	911.074	LCP

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
1148_2019_MT	N45°59'48.24611"	W104°40'48.13033"	935.665	LCP
1149_2019_MT	N46°2'23.69249"	W104°33'26.7589"	950.648	LCP
1150_2019_WY	N45°55'11.65789"	W104°26'22.43929"	1,024.236	LCP
1151_2019_MT	N45°53'40.13501"	W104°18'10.77103"	969.149	LCP
1151A_2019_MT	N45°53'40.00699"	W104°18'9.88181"	969.327	LCP
1152_2019_MT	N45°52'54.58958"	W104°10'12.28603"	935.346	LCP
1153_2019_SD	N45°32'55.89755"	W104°1'23.17172"	956.244	LCP
1154_2019_WY	N45°13'18.72293"	W104°53'37.86472"	1,126.041	LCP
1155_2019_MT	N45°16'10.42573"	W105°1'56.22324"	1,003.444	LCP
1155A_2019_MT	N45°16'10.70029"	W105°1'56.90046"	1,003.515	LCP
1156_2019_MT	N45°0'23.54097"	W104°22'49.28058"	1,051.484	LCP
1157_2019_WY	N44°54'54.8379"	W104°15'21.9631"	1,066.163	LCP
1158_2019_WY	N44°49'17.26187"	W104°4'19.60922"	965.523	LCP
1159_2019_WY	N44°44'8.67214"	W104°37'28.22062"	1,248.496	LCP
1160_2019_WY	N44°39'1.1389"	W104°37'49.74985"	1,171.638	LCP
1161_2019_WY	N44°33'27.20785"	W104°41'5.03765"	1,305.487	LCP
1162_2019_WY	N44°28'30.39312"	W104°48'12.59939"	1,271.277	LCP
1163_2019_WY	N44°23'28.79412"	W104°53'4.70789"	1,264.383	LCP
1164_2019_WY	N44°18'12.37805"	W104°54'46.83078"	1,266.126	LCP
1165_2019_WY	N44°12'57.2801"	W104°51'31.07312"	1,314.255	LCP
1166_2019_WY	N44°7'12.31038"	W104°39'48.13709"	1,287.922	LCP
1167_2019_WY	N44°1'58.39393"	W104°32'58.14203"	1,245.371	LCP
1168_2019_WY	N43°56'0.06922"	W104°22'12.5507"	1,283.861	LCP
1169_2019_WY	N43°50'25.03189"	W104°16'43.15994"	1,228.666	LCP
1170_2019_WY	N43°44'47.6474"	W104°11'34.50385"	1,223.199	LCP
1171_2019_WY	N43°39'21.49538"	W104°11'21.74962"	1,165.706	LCP
1172_2019_WY	N43°33'37.10527"	W104°11'38.41212"	1,144.230	LCP
1173_2019_WY	N43°27'46.83"	W104°12'24.85921"	1,116.157	LCP
1174_2019_WY	N43°21'49.03603"	W104°14'3.65052"	1,138.258	LCP
1175_2019_WY	N43°16'33.70524"	W104°17'49.72806"	1,185.889	LCP
1176_2019_WY	N43°10'34.99503"	W104°19'38.24185"	1,227.082	LCP
1177_2019_WY	N43°4'37.13913"	W104°21'56.32169"	1,266.658	LCP
1178_2019_WY	N42°58'49.23529"	W104°21'45.46715"	1,326.797	LCP

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
1179_2019_WY	N42°53'15.21376"	W104°24'29.8863"	1,527.461	LCP
1180_2019_WY	N42°47'52.80822"	W104°26'16.03739"	1,542.171	LCP
1181_2019_WY	N42°42'34.90581"	W104°26'15.95283"	1,507.506	LCP
1182_2019_WY	N42°36'52.69251"	W104°25'55.8068"	1,502.579	LCP
1183_2019_WY	N42°31'6.50037"	W105°1'33.91448"	1,420.882	LCP
1184_2019_WY	N42°25'16.24673"	W105°2'21.74389"	1,454.691	LCP
1185_2019_WY	N42°19'35.72666"	W105°2'42.62074"	1,513.282	LCP
1186_2019_WY	N42°13'59.68303"	W105°0'45.1419"	1,483.763	LCP
1187_2019_WY	N42°8'25.0454"	W105°0'3.35762"	1,409.285	LCP
1188_2019_WY	N42°2'17.2917"	W104°57'58.11437"	1,459.821	LCP
1189_2019_WY	N41°56'35.80325"	W104°56'53.91435"	1,529.010	LCP
1190_2019_WY	N41°50'38.13394"	W104°50'41.74159"	1,537.496	LCP
1191_2019_WY	N41°45'0.54555"	W104°49'41.70082"	1,603.325	LCP
1192_2019_WY	N41°38'43.64831"	W104°50'47.16607"	1,746.591	LCP
1193_2019_WY	N43°38'37.17"	W109°26'0.75518"	2,475.743	LCP
2001A_2019_WY	N42°16'7.31912"	W104°44'37.48475"	1,310.079	SIDEWALK
2001B_2019_WY	N42°16'7.33177"	W104°44'35.19905"	1,310.042	SIDEWALK
2002A_2019_WY	N42°2'50.62736"	W104°57'17.32633"	1,436.624	NVA
2002B_2019_WY	N42°2'50.13365"	W104°57'17.32761"	1,436.722	NVA
2003A_2019_WY	N43°50'46.23326"	W104°11'9.74002"	1,322.478	NVA
2003B_2019_WY	N43°50'45.74778"	W104°11'10.08375"	1,322.332	NVA
2004A_2019_MT	N45°53'17.61334"	W104°32'48.35646"	1,029.483	NVA
2004B_2019_MT	N45°53'17.60752"	W104°32'48.88404"	1,029.447	NVA
2005A_2019_WY	N44°20'20.31459"	W106°44'35.71943"	1,509.904	NVA
2005B_2019_WY	N44°20'20.32122"	W106°44'37.57557"	1,510.574	NVA
2006A_2019_WY	N42°50'10.2416"	W108°43'37.46362"	1,615.627	NVA
2006B_2019_WY	N42°50'10.37488"	W108°43'38.0812"	1,615.338	NVA
2007A_2019_WY	N42°51'47.22556"	W109°52'8.60576"	2,174.771	NVA
2007B_2019_WY	N42°51'47.22695"	W109°52'7.79621"	2,174.735	NVA
2008A_2019_WY	N43°32'12.88047"	W109°38'34.1541"	2,107.863	NVA
2008B_2019_WY	N43°32'12.5693"	W109°38'34.27471"	2,106.867	NVA
2009A_2019_WY	N42°32'13.84243"	W110°6'49.25912"	2,067.352	NVA
2009B_2019_WY	N42°32'14.25789"	W110°6'49.23924"	2,067.294	NVA

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
2010A_2019_WY	N43°38'42.41609"	W108°12'46.94073"	1,305.630	NVA
2010B_2019_WY	N43°38'42.40691"	W108°12'46.42012"	1,305.625	NVA
2011_2019_WY	N43°38'31.40913"	W108°13'33.35392"	1,334.437	NVA
2012_2019_WY	N44°24'56.37069"	W104°20'42.52729"	1,400.582	NVA
2013_2019_WY	N44°24'4.13857"	W104°21'53.26714"	1,435.163	NVA
2014_2019_WY	N44°23'33.15735"	W104°23'39.10141"	1,464.766	NVA
2015_2019_WY	N44°16'0.65452"	W104°56'35.20093"	1,295.545	NVA
2016_2019_WY	N44°4'46.51318"	W104°8'12.35128"	1,776.417	NVA
2017_2019_WY	N44°34'56.1856"	W104°41'44.53337"	1,189.049	NVA
2018_2019_WY	N44°35'54.44168"	W104°43'41.63487"	1,277.602	NVA
2019_2019_WY	N42°47'2.9531"	W104°37'4.87752"	1,585.687	NVA
2020_2019_WY	N42°30'10.19384"	W105°1'42.05668"	1,423.184	NVA
2021_2019_WY	N41°45'20.90686"	W104°49'7.7378"	1,595.810	NVA
2022_2019_WY	N43°37'45.86887"	W106°34'29.49845"	1,389.039	NVA
2022A_2019_WY	N43°37'48.14533"	W106°34'32.52483"	1,388.238	NVA
2022B_2019_WY	N43°37'48.32662"	W106°34'33.15651"	1,388.417	NVA
2023A_2019_WY	N43°39'15.60969"	W106°37'43.41124"	1,444.159	NVA
2023B_2019_WY	N43°39'15.25409"	W106°37'42.94008"	1,444.074	NVA
2024_2019_WY	N43°43'6.2132"	W106°38'28.67855"	1,417.037	NVA
2025_2019_WY	N44°19'18.70815"	W106°53'16.57206"	2,129.588	NVA
2026_2019_WY	N44°20'43.75235"	W106°41'50.50603"	1,404.289	NVA
2027_2019_WY	N44°22'35.11065"	W106°41'42.80142"	1,424.273	NVA
2028_2019_WY	N44°11'42.17858"	W106°16'3.76456"	1,397.586	NVA
2029_2019_WY	N44°14'4.88643"	W106°42'22.93679"	1,605.152	NVA
2030_2019_WY	N42°32'41.33002"	W108°11'19.38717"	1,988.182	NVA
2031_2019_WY	N42°49'16.82234"	W108°43'35.30669"	1,677.299	NVA
2032_2019_WY	N42°50'1.10891"	W108°44'39.50339"	1,626.362	NVA
2033_2019_WY	N42°50'31.6126"	W108°44'6.68989"	1,614.344	NVA
2034_2019_WY	N42°33'15.74946"	W110°6'34.68276"	2,081.095	NVA
2035_2019_WY	N43°38'47.10014"	W108°11'41.00758"	1,315.469	NVA
2035A_2019_WY	N44°32'22.68156"	W106°49'19.44635"	1,418.048	NVA
2036_2019_WY	N44°13'4.9174"	W106°6'17.58652"	1,207.595	NVA
2037_2019_WY	N44°12'57.62134"	W106°21'12.71499"	1,404.301	NVA

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
2038_2019_WY	N41°47'4.47437"	W104°47'33.77319"	1,577.484	NVA
2039_2019_WY	N41°52'16.67077"	W104°49'19.85271"	1,508.189	NVA
2040_2019_WY	N41°52'17.69244"	W104°52'23.97326"	1,561.383	NVA
2040A_2019_WY	N41°52'15.50112"	W104°52'36.36448"	1,564.995	NVA
2041_2019_WY	N42°3'50.57254"	W104°57'50.35736"	1,427.432	NVA
2042A_2019_WY	N42°15'50.65664"	W105°2'29.07998"	1,479.530	NVA
2042B_2019_WY	N42°15'53.22742"	W105°2'29.7156"	1,480.440	NVA
2043_2019_WY	N42°45'57.7078"	W104°27'25.77589"	1,516.774	NVA
2044_2019_WY	N42°44'53.2815"	W104°28'54.05066"	1,534.798	NVA
2045_2019_WY	N42°45'12.2973"	W104°26'45.9269"	1,516.703	NVA
2046_2019_WY	N43°22'41.62168"	W104°13'15.6479"	1,134.703	NVA
2047_2019_WY	N43°51'5.04641"	W104°12'32.30155"	1,297.535	NVA
2048_2019_WY	N43°51'18.31683"	W104°15'31.08646"	1,266.348	NVA
2049_2019_WY	N43°51'3.79874"	W104°13'34.6553"	1,275.583	NVA
2050_2019_WY	N43°50'35.11177"	W104°13'3.05322"	1,285.032	NVA
2051_2019_MT	N45°13'30.27377"	W104°54'57.78708"	1,117.744	NVA
2052_2019_WY	N44°40'6.85682"	W104°34'13.22636"	1,263.846	NVA
2053_2019_WY	N43°34'53.5894"	W109°45'50.20514"	2,200.292	NVA
2054_2019_WY	N42°43'40.95164"	W108°38'48.08312"	1,680.484	NVA
2055_2019_WY	N44°32'37.80058"	W104°4'51.41283"	1,080.110	NVA
2056_2019_WY	N44°12'42.81737"	W106°9'29.59247"	1,191.491	NVA
2057_2019_WY	N44°5'43.47067"	W104°37'10.09733"	1,282.291	NVA
2058_2019_WY	N44°15'50.95375"	W106°29'53.96788"	1,350.347	NVA
2058A_2019_WY	N44°15'55.3454"	W106°30'5.48656"	1,354.764	NVA
2059_2019_WY	N43°12'29.85892"	W104°18'49.24238"	1,218.271	NVA
2060_2019_WY	N44°17'3.88621"	W106°56'59.24595"	2,389.908	NVA
2061_2019_WY	N43°17'33.071"	W104°18'0.38788"	1,186.544	NVA
2062_2019_WY	N44°16'18.89768"	W104°58'5.85085"	1,253.054	NVA
2063A_2019_WY	N42°9'46.24127"	W105°0'5.00824"	1,373.798	NVA
2063B_2019_WY	N42°9'44.09433"	W105°0'4.74833"	1,373.605	NVA
2064_2019_WY	N42°2'52.34014"	W104°58'36.25669"	1,453.839	NVA
2065_2019_WY	N41°39'18.63045"	W104°50'41.61667"	1,761.991	NVA
2066_2019_WY	N42°53'41.43026"	W108°35'58.63579"	1,558.003	NVA

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
2067_190919_WY	N43°37'40.99659"	W108°13'8.29652"	1,312.933	NVA
2067A_190919_WY	N43°37'45.87909"	W108°13'10.20858"	1,314.194	NVA
2068_2019_WY	N42°32'39.30113"	W108°8'3.60838"	2,025.971	NVA
2069_2019_WY	N42°46'33.50792"	W108°39'38.39667"	1,646.141	NVA
2070_2019_WY	N44°4'59.02126"	W106°38'11.14043"	1,400.244	NVA
2071_2019_WY	N44°33'4.47802"	W106°50'58.5931"	1,451.004	NVA
2072_2019_WY	N44°32'21.83721"	W106°33'6.40348"	1,256.606	NVA
2073_2019_WY	N44°30'56.11854"	W106°33'17.52156"	1,262.917	NVA
2074_2019_WY	N44°26'33.13361"	W106°35'2.40525"	1,298.273	NVA
2075_2019_WY	N44°22'30.3447"	W106°38'14.50794"	1,350.596	NVA
2076_2019_WY	N44°23'13.38279"	W106°37'30.55569"	1,335.920	NVA
2077_2019_WY	N44°24'8.54708"	W106°37'6.35827"	1,327.302	NVA
2078_2019_WY	N44°24'42.51369"	W106°36'48.92935"	1,325.291	NVA
2079_2019_WY	N44°25'30.9099"	W106°35'45.10068"	1,307.698	NVA
2080_2019_WY	N44°29'51.44869"	W106°33'18.69639"	1,268.240	NVA
2081_2019_WY	N42°53'11.37419"	W108°34'58.0547"	1,598.475	NVA
2082_2019_WY	N42°51'19.68196"	W108°33'52.27531"	1,692.073	NVA
2083_2019_WY	N42°50'48.12363"	W108°36'2.20506"	1,584.310	NVA
2084_2019_WY	N42°49'21.99933"	W108°39'5.26361"	1,615.751	NVA
2085_2019_WY	N42°48'37.68832"	W108°39'33.26875"	1,600.065	NVA
2086_2019_WY	N42°47'30.34669"	W108°42'5.17848"	1,671.581	NVA
2087_2019_WY	N42°47'7.90338"	W108°40'12.89858"	1,631.802	NVA
2088_2019_WY	N42°44'57.53418"	W108°39'1.72794"	1,646.633	NVA
2089_2019_WY	N42°41'38.92375"	W108°40'9.05509"	1,705.655	NVA
2090_2019_WY	N42°42'12.66241"	W108°39'24.61754"	1,681.359	NVA
2091_2019_WY	N42°43'46.32649"	W108°37'47.56032"	1,643.331	NVA
2092_2019_WY	N42°42'11.70171"	W108°28'33.74445"	1,749.390	NVA
2093_2019_WY	N42°40'16.74924"	W108°23'37.64462"	1,692.364	NVA
2094_2019_WY	N42°38'7.80005"	W108°20'20.72832"	1,724.428	NVA
2095_2019_WY	N42°37'18.42065"	W108°19'12.18052"	1,806.792	NVA
2096_2019_WY	N42°35'7.81928"	W108°16'56.90934"	2,046.140	NVA
2097_2019_WY	N42°35'18.28704"	W108°18'45.95696"	1,954.454	NVA
2098_2019_WY	N42°51'48.06602"	W107°41'25.59888"	1,830.017	NVA

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
2099_2019_WY	N42°54'6.74129"	W107°48'58.15818"	1,824.108	NVA
2100_2019_WY	N43°16'29.30361"	W107°39'36.45554"	1,617.102	NVA
2101_2019_WY	N43°17'0.63753"	W107°36'25.61464"	1,657.699	NVA
2102_2019_WY	N43°16'37.47546"	W107°33'5.78008"	1,724.416	NVA
2103_2019_WY	N43°20'29.7567"	W107°35'57.94849"	1,732.205	NVA
2104_2019_WY	N43°16'55.05363"	W107°35'17.02196"	1,681.441	NVA
2105_2019_WY	N43°17'7.99001"	W107°37'58.56542"	1,637.961	NVA
2106_2019_WY	N43°17'50.31973"	W107°37'16.61679"	1,654.840	NVA
2107_2019_WY	N43°18'31.89764"	W107°37'6.7926"	1,669.911	NVA
2108_2019_WY	N43°18'25.87551"	W107°43'25.47672"	1,609.517	NVA
2109_2019_WY	N43°24'20.11576"	W107°43'50.26244"	1,717.450	NVA
2110_2019_WY	N43°25'17.49646"	W107°44'50.47227"	1,768.352	NVA
2111_2019_WY	N43°17'55.71245"	W108°1'6.32511"	1,520.962	NVA
2112_2019_WY	N43°19'15.02883"	W107°55'53.22441"	1,581.263	NVA
2113_2019_WY	N43°20'19.35182"	W107°54'31.17264"	1,611.073	NVA
2114_2019_WY	N43°21'10.30013"	W107°53'33.57314"	1,640.048	NVA
2115_2019_WY	N43°21'37.99552"	W107°49'57.83993"	1,678.185	NVA
2116_2019_WY	N43°19'5.34897"	W107°47'28.2795"	1,615.596	NVA
2117_2019_WY	N43°16'55.46839"	W107°46'39.69579"	1,560.451	NVA
2118_2019_WY	N43°17'17.56896"	W107°46'22.58423"	1,572.113	NVA
2119_2019_WY	N43°17'15.06777"	W107°45'35.23106"	1,573.866	NVA
2120_2019_WY	N43°17'27.06103"	W107°43'39.32161"	1,580.814	NVA
2121_2019_WY	N43°16'59.271"	W107°42'15.88546"	1,600.710	NVA
2122_2019_WY	N43°16'10.48956"	W107°41'22.75528"	1,596.385	NVA
2123_2019_WY	N43°15'49.88205"	W107°42'50.10095"	1,601.530	NVA
2124_2019_WY	N43°13'0.09987"	W107°41'27.09483"	1,679.290	NVA
2125_2019_WY	N43°12'18.01136"	W107°36'36.9997"	1,673.655	NVA
2126_2019_WY	N43°11'1.05287"	W107°35'23.86696"	1,714.056	NVA
2127_2019_WY	N43°10'58.19059"	W107°33'40.2711"	1,715.807	NVA
2128_2019_WY	N43°10'7.51828"	W107°33'43.77235"	1,736.636	NVA
2129_2019_WY	N43°9'28.80588"	W107°33'35.15528"	1,767.175	NVA
2130_2019_WY	N43°6'26.74184"	W107°33'19.3221"	1,747.639	NVA
2131_2019_WY	N42°31'41.78485"	W108°3'49.26423"	1,988.362	NVA

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
2132_2019_WY	N42°31'3.18996"	W108°0'33.12947"	1,945.198	NVA
2133_2019_WY	N42°30'23.40597"	W107°53'10.17103"	1,924.374	NVA
2134_2019_WY	N42°29'19.51984"	W107°50'6.22889"	1,917.965	NVA
2135_2019_WY	N42°29'7.58553"	W107°41'15.85927"	1,904.921	NVA
2136_2019_WY	N42°28'23.00844"	W107°36'16.35966"	1,870.646	NVA
2137_2019_WY	N42°27'13.3051"	W107°32'45.82514"	1,907.955	NVA
2137A_2019_WY	N42°27'12.04017"	W107°32'44.97375"	1,907.229	NVA
2138_2019_WY	N43°36'29.35529"	W108°12'30.40343"	1,323.922	NVA
2139_2019_WY	N43°36'58.52481"	W108°13'25.97469"	1,332.471	NVA
2140_2019_WY	N43°38'7.43065"	W108°13'52.88221"	1,386.209	NVA
2141_2019_WY	N43°40'31.64961"	W108°17'15.73495"	1,402.317	NVA
2142_2019_WY	N43°41'58.47997"	W108°23'38.60927"	1,457.119	NVA
2143_2019_WY	N43°42'8.2571"	W108°22'8.50795"	1,437.495	NVA
2144_2019_WY	N43°44'37.54802"	W108°24'50.74172"	1,517.291	NVA
2145_2019_WY	N43°46'32.92857"	W108°27'37.68813"	1,543.164	NVA
2146_2019_WY	N43°47'34.63122"	W108°27'54.68339"	1,534.396	NVA
2147_2019_WY	N43°50'8.17343"	W108°29'4.11816"	1,515.616	NVA
2148_2019_WY	N43°48'24.52932"	W108°34'5.81691"	1,591.190	NVA
2149_2019_WY	N43°47'52.70909"	W108°34'6.67534"	1,610.553	NVA
2150_2019_WY	N43°46'48.08332"	W108°33'26.66802"	1,676.431	NVA
2151_2019_WY	N43°45'49.94624"	W108°34'15.36973"	1,690.324	NVA
2152_2019_WY	N43°28'54.19134"	W109°30'2.72975"	1,995.838	NVA
2153_2019_WY	N43°29'20.79922"	W109°30'50.63847"	2,005.315	NVA
2154_2019_WY	N43°30'49.47149"	W109°34'13.66851"	2,071.562	NVA
2155_2019_WY	N43°30'55.77436"	W109°35'26.54736"	2,080.644	NVA
2156_2019_WY	N43°31'35.52011"	W109°36'47.06834"	2,100.147	NVA
2157_2019_WY	N43°27'48.91702"	W109°28'24.61657"	2,022.442	NVA
2157A_2019_WY	N43°27'53.77627"	W109°28'24.09792"	2,024.215	NVA
2157B_2019_WY	N43°32'10.58802"	W109°37'29.46452"	2,124.620	NVA
2158_2019_WY	N43°33'7.3213"	W109°40'41.85607"	2,134.037	NVA
2159_2019_WY	N43°34'2.2688"	W109°42'29.7582"	2,168.994	NVA
2160_2019_WY	N43°33'36.7663"	W109°41'42.41772"	2,146.942	NVA
2161_2019_WY	N43°33'53.9187"	W109°43'26.32248"	2,160.505	NVA

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
2162_2019_WY	N43°34'46.31195"	W109°45'4.08435"	2,190.605	NVA
2163_2019_WY	N43°42'10.29099"	W109°57'42.29451"	2,529.735	NVA
2164_2019_WY	N43°40'16.27945"	W109°56'52.51112"	2,393.866	NVA
2165_2019_WY	N43°37'58.25151"	W109°53'53.83522"	2,324.971	NVA
2166_2019_WY	N43°37'44.66336"	W109°50'44.17668"	2,299.934	NVA
2167_2019_WY	N43°37'42.23515"	W109°48'56.45835"	2,276.133	NVA
2168_2019_WY	N43°39'3.0472"	W109°39'8.5351"	2,371.919	NVA
2169_2019_WY	N43°36'36.96061"	W109°39'1.81229"	2,269.824	NVA
2170_2019_WY	N43°41'13.71766"	W109°37'46.58855"	2,358.521	NVA
2171_2019_WY	N42°42'0.30151"	W108°55'54.35134"	2,686.184	NVA
2172_2019_WY	N42°41'53.7787"	W108°55'9.23938"	2,684.493	NVA
2173_2019_WY	N42°30'53.14117"	W108°46'44.89565"	2,566.086	NVA
2174_2019_WY	N42°31'14.08936"	W108°47'31.01939"	2,591.491	NVA
2175_2019_WY	N42°33'32.9651"	W108°49'20.52271"	2,677.781	NVA
2176_2019_WY	N42°36'41.47294"	W108°51'55.34624"	2,734.110	NVA
2177_2019_WY	N42°38'0.44544"	W108°52'42.57357"	2,862.104	NVA
2177A_2019_WY	N42°38'19.91875"	W108°52'23.31368"	2,890.881	NVA
2178_2019_WY	N42°41'50.78891"	W108°53'37.10445"	2,640.576	NVA
2179_2019_WY	N42°42'25.91909"	W108°52'22.85002"	2,591.315	NVA
2180_2019_WY	N42°42'41.24572"	W108°51'23.79329"	2,562.372	NVA
2181_2019_WY	N42°44'12.5486"	W108°50'11.72422"	2,088.187	NVA
2182_2019_WY	N42°45'28.45566"	W108°47'55.84816"	1,864.218	NVA
2183_2019_WY	N42°46'23.02651"	W108°46'48.78774"	1,772.587	NVA
2184_2019_WY	N42°46'50.04682"	W108°46'40.04947"	1,744.762	NVA
2185_2019_WY	N42°49'24.80549"	W108°44'44.88821"	1,644.897	NVA
2186_2019_WY	N42°48'43.22003"	W108°45'10.35871"	1,667.600	NVA
2187_2019_WY	N42°47'48.39338"	W108°45'54.93708"	1,693.816	NVA
2188_2019_WY	N42°48'42.67755"	W108°42'19.66592"	1,626.109	NVA
2189_2019_WY	N42°48'6.7456"	W108°41'23.59399"	1,614.167	NVA
2190_2019_WY	N42°48'12.68162"	W108°40'29.75125"	1,602.784	NVA
2191_2019_WY	N42°49'56.14282"	W108°38'7.96701"	1,586.633	NVA
2192_2019_WY	N42°51'28.40561"	W108°37'17.2381"	1,580.891	NVA
2193_2019_WY	N42°52'52.94946"	W108°36'38.96652"	1,587.130	NVA

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
2194_2019_WY	N42°53'46.08649"	W108°34'51.17972"	1,572.774	NVA
2195_2019_WY	N42°54'17.20257"	W108°35'19.58245"	1,535.302	NVA
2196_2019_WY	N42°53'2.0752"	W108°17'0.22571"	1,657.076	NVA
2197_2019_WY	N42°29'46.43249"	W108°43'46.81945"	2,330.601	NVA
2198_2019_WY	N42°28'28.66265"	W108°47'49.41024"	2,429.099	NVA
2199_2019_WY	N42°17'58.03445"	W108°27'6.24605"	2,188.946	NVA
2200_2019_WY	N42°16'25.81156"	W107°53'1.75682"	2,161.564	NVA
2201_2019_WY	N42°20'43.75804"	W107°49'45.05325"	2,135.623	NVA
2202_2019_WY	N42°20'53.4546"	W107°45'38.3837"	2,730.865	NVA
2204_2019_MT	N45°53'16.70675"	W104°43'16.75198"	1,041.366	NVA
2205_2019_MT	N45°47'13.03749"	W104°40'15.09878"	1,096.056	NVA
2206_2019_MT	N45°46'31.60709"	W104°21'44.29051"	959.885	NVA
2207_2019_MT	N45°49'23.37423"	W104°21'51.17077"	967.550	NVA
2208_2019_MT	N46°1'14.02256"	W104°46'42.18415"	916.940	NVA
2209_2019_MT	N46°1'4.34188"	W104°43'57.52283"	965.488	NVA
2210_2019_MT	N45°55'29.34382"	W104°36'22.70556"	1,002.475	NVA
2211_2019_MT	N45°54'28.1425"	W104°33'38.24779"	1,039.911	NVA
2212_2019_MT	N45°43'3.55062"	W104°22'43.31901"	977.252	NVA
2213_2019_MT	N45°45'25.68622"	W104°25'9.44426"	975.843	NVA
2214_2019_MT	N45°48'17.97346"	W104°25'30.62233"	1,018.064	NVA
2215_2019_MT	N45°48'54.10871"	W104°25'51.2861"	1,039.930	NVA
2216_2019_MT	N45°36'58.41728"	W104°10'10.16625"	1,218.332	NVA
2217_2019_MT	N45°28'10.89472"	W104°12'33.60751"	1,053.509	NVA
2218_2019_MT	N45°34'37.82162"	W104°15'55.90441"	1,083.346	NVA
2219_2019_MT	N45°40'48.62731"	W104°2'51.90879"	955.491	NVA
2220_2019_MT	N45°52'55.58663"	W104°4'58.83655"	896.431	NVA
2221_2019_MT	N45°50'52.13724"	W104°29'29.49463"	1,095.466	NVA
2222_2019_MT	N45°53'32.20491"	W104°34'38.01382"	1,048.409	NVA
2223_2019_MT	N45°56'15.84013"	W104°31'9.41955"	1,012.272	NVA
2224_2019_MT	N45°54'7.71559"	W104°21'31.64159"	1,004.832	NVA
2225_2019_MT	N45°52'54.85048"	W104°13'2.75798"	949.984	NVA
2226_2019_MT	N45°50'18.71925"	W104°13'21.32211"	937.034	NVA
2227_2019_MT	N45°46'55.00208"	W104°25'33.34382"	991.036	NVA

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
2228_2019_MT	N45°44'28.36669"	W104°36'41.05757"	1,010.732	NVA
2229_2019_MT	N45°41'59.71266"	W104°41'41.78166"	1,071.911	NVA
2230_2019_MT	N45°39'22.42966"	W104°45'18.6206"	1,051.521	NVA
2231_2019_MT	N45°28'34.1122"	W104°57'24.69218"	956.408	NVA
2232_2019_MT	N45°21'12.86083"	W105°2'29.62909"	1,028.254	NVA
2233_2019_MT	N45°15'28.22371"	W105°0'28.74986"	1,025.442	NVA
2234_2019_WY	N45°9'36.2082"	W105°2'32.93765"	1,186.816	NVA
2234A_2019_WY	N45°9'42.49089"	W105°2'42.12542"	1,186.550	NVA
2235_2019_WY	N45°4'53.63324"	W105°1'19.24226"	1,267.815	NVA
2236_2019_WY	N44°59'8.08547"	W105°2'9.78891"	1,205.676	NVA
2237_2019_WY	N44°59'53.12562"	W104°24'41.36466"	1,037.828	NVA
2238_2019_WY	N44°58'5.8375"	W104°19'57.75928"	1,060.034	NVA
2238A_2019_WY	N44°58'5.80451"	W104°19'58.02173"	1,059.892	NVA
2239_2019_WY	N44°51'53.75142"	W104°8'48.70868"	1,021.831	NVA
2240_2019_WY	N44°38'57.03691"	W104°5'55.52538"	1,035.954	NVA
2241_2019_WY	N44°15'55.00585"	W104°18'36.82806"	1,537.862	NVA
2242A_2019_WY	N44°9'56.38487"	W104°13'57.36742"	1,670.272	NVA
2242B_2019_WY	N44°9'56.30387"	W104°13'59.57225"	1,668.086	NVA
2243_2019_WY	N44°10'2.23385"	W104°4'13.15467"	1,877.726	NVA
2244_2019_WY	N44°6'52.17023"	W104°3'24.12831"	1,954.221	NVA
2245_2019_WY	N44°2'41.91097"	W104°9'4.41266"	1,696.623	NVA
2246_2019_WY	N41°56'1.33372"	W105°6'6.1606"	1,518.542	NVA
2247_2019_WY	N41°39'12.5364"	W104°47'20.69183"	1,696.617	NVA
2248_2019_WY	N42°1'50.96913"	W104°46'33.82371"	1,515.718	NVA
2249_2019_WY	N42°3'4.75475"	W104°55'28.90247"	1,446.651	NVA
2250_2019_WY	N42°4'20.51969"	W104°58'13.77668"	1,426.780	NVA
2251_2019_WY	N42°14'4.34875"	W104°56'52.49573"	1,453.810	NVA
2252_2019_WY	N42°20'38.92583"	W105°2'41.92526"	1,502.509	NVA
2253_2019_WY	N42°45'24.0907"	W104°48'55.81768"	1,592.432	NVA
2254_2019_WY	N42°45'35.26994"	W104°53'30.93433"	1,534.865	NVA
2255_2019_WY	N43°2'49.19653"	W104°22'20.79503"	1,277.600	NVA
2256_2019_WY	N43°59'0.2139"	W104°25'12.49932"	1,301.974	NVA
2257_2019_WY	N43°59'16.63219"	W104°25'53.6088"	1,291.831	NVA

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
2258_2019_WY	N43°58'18.42315"	W104°24'54.23323"	1,300.778	NVA
2259_2019_WY	N44°4'21.34899"	W104°35'15.14755"	1,280.814	NVA
2260_2019_WY	N44°15'53.54015"	W104°57'23.98257"	1,265.072	NVA
2261_2019_WY	N44°16'52.86477"	W104°59'35.87004"	1,255.227	NVA
2262_2019_WY	N44°29'11.08456"	W104°48'4.89367"	1,237.825	NVA
2263_2019_WY	N44°31'46.12142"	W104°40'59.12466"	1,291.555	NVA
2264_2019_WY	N44°24'49.05265"	W104°35'27.67607"	1,480.682	NVA
2264A_2019_WY	N44°17'3.23988"	W104°43'31.23047"	1,298.321	NVA
2265_2019_WY	N43°57'17.32849"	W104°11'26.24404"	1,498.799	NVA
2266_2019_WY	N43°55'2.23457"	W104°10'54.18056"	1,581.632	NVA
2267_2019_WY	N43°52'41.26559"	W104°11'22.57981"	1,471.751	NVA
2268_2019_WY	N43°50'9.02086"	W104°11'22.82415"	1,341.765	NVA
2269_2019_WY	N43°49'38.87423"	W104°9'7.76921"	1,316.457	NVA
2270_2019_WY	N43°48'18.49115"	W104°10'45.85403"	1,279.550	NVA
2271_2019_WY	N43°36'13.58272"	W104°11'21.11119"	1,124.654	NVA
2272_2019_WY	N42°19'54.868"	W104°42'1.39154"	1,509.484	NVA
2273_2019_WY	N42°15'57.21231"	W104°46'53.67172"	1,348.463	NVA
2274_2019_WY	N42°2'34.71953"	W104°49'49.26048"	1,488.620	NVA
2275_2019_WY	N44°6'19.19413"	W104°37'54.33003"	1,280.490	NVA
2276_2019_WY	N44°24'22.55765"	W104°22'55.21435"	1,446.188	NVA
2277_2019_WY	N44°6'57.47034"	W104°37'3.14682"	1,306.377	NVA
2278_2019_WY	N44°4'38.8668"	W104°38'22.23226"	1,267.420	NVA
2279_2019_WY	N44°3'46.03779"	W104°42'29.03441"	1,310.443	NVA
2280_2019_WY	N44°9'35.85987"	W104°44'19.32686"	1,301.730	NVA
2281_2019_WY	N44°29'38.40902"	W106°7'32.08629"	1,139.020	NVA
2282_2019_WY	N44°28'32.51262"	W106°47'59.05396"	1,450.551	NVA
2283_2019_WY	N44°12'2.80014"	W106°55'37.10248"	2,487.099	NVA
2284_2019_WY	N44°8'34.09303"	W106°57'38.36444"	2,488.385	NVA
2285_2019_WY	N44°8'59.41414"	W107°4'47.33266"	2,933.191	NVA
2286_2019_WY	N43°59'5.67831"	W106°41'11.96197"	1,444.494	NVA
2287_2019_WY	N43°48'3.44739"	W106°45'3.51349"	1,547.088	NVA
2288_2019_WY	N43°46'47.52462"	W106°43'22.50991"	1,512.628	NVA
2289_2019_WY	N43°46'6.31546"	W106°36'34.98737"	1,429.173	NVA

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
2290_2019_WY	N43°40'55.38631"	W106°38'36.17066"	1,451.014	NVA
2291_2019_WY	N43°42'26.32122"	W106°38'16.37188"	1,403.506	NVA
2291A_2019_WY	N43°42'26.68498"	W106°38'16.47336"	1,403.260	NVA
2292_2019_WY	N43°32'24.16048"	W106°28'38.71434"	1,496.187	NVA
2293_2019_WY	N43°18'40.61187"	W107°57'19.60711"	1,549.573	NVA
2293A_2019_WY	N43°18'13.83278"	W107°58'17.98713"	1,526.444	NVA
2294_2019_WY	N43°17'39.46335"	W107°46'48.7166"	1,587.007	NVA
2295_2019_WY	N43°16'44.99777"	W107°31'30.95251"	1,764.582	NVA
2296_2019_WY	N43°19'43.05428"	W107°36'29.22686"	1,695.537	NVA
2297_2019_WY	N43°21'2.72846"	W107°33'47.724"	1,739.088	NVA
2298_2019_WY	N43°20'47.82328"	W107°34'44.29239"	1,733.561	NVA
2299_2019_WY	N43°39'58.2118"	W108°16'14.74794"	1,418.369	NVA
2300_2019_WY	N43°40'49.70289"	W108°17'50.59808"	1,398.570	NVA
2301_2019_WY	N43°41'27.59265"	W108°18'48.98918"	1,394.460	NVA
2302_2019_WY	N43°41'41.91496"	W108°19'29.7809"	1,411.737	NVA
2303_2019_WY	N43°42'35.68766"	W108°21'20.01734"	1,444.662	NVA
2304_2019_WY	N43°43'18.1248"	W108°22'21.04332"	1,470.015	NVA
2305_2019_WY	N43°44'11.87401"	W108°23'57.43482"	1,496.173	NVA
2306_2019_WY	N43°44'57.28555"	W108°25'32.74642"	1,538.679	NVA
2307_2019_WY	N43°50'18.71251"	W108°28'2.20363"	1,505.382	NVA
2308_2019_WY	N43°52'10.05981"	W108°27'58.4658"	1,512.519	NVA
2309_2019_WY	N43°53'20.74953"	W108°28'46.76986"	1,560.479	NVA
2310_2019_WY	N43°54'53.74939"	W108°31'48.99777"	1,575.239	NVA
2311_2019_WY	N43°54'44.32619"	W108°34'5.21618"	1,615.361	NVA
2312_2019_WY	N43°55'1.91097"	W108°35'59.45432"	1,644.515	NVA
2313_2019_WY	N43°55'29.75191"	W108°38'3.71805"	1,677.639	NVA
2314_2019_WY	N43°56'16.74548"	W108°38'44.3786"	1,689.669	NVA
2315_2019_WY	N43°57'19.34819"	W108°38'40.60426"	1,729.740	NVA
2316_2019_WY	N43°59'11.58986"	W108°36'58.32187"	1,646.620	NVA
2317_2019_WY	N43°53'27.43607"	W108°46'59.85893"	1,900.496	NVA
2318_2019_WY	N43°46'56.45211"	W108°39'24.89169"	1,711.326	NVA
2319_2019_WY	N43°50'54.05997"	W108°50'29.34902"	2,053.440	NVA
2320_2019_WY	N43°39'34.85965"	W109°27'39.44089"	2,576.790	NVA

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
2321_2019_WY	N43°41'39.59595"	W109°25'53.83408"	2,789.125	NVA
2322_2019_WY	N43°30'4.43792"	W109°51'19.27279"	2,879.719	NVA
2323_2019_WY	N43°31'44.62206"	W109°50'34.03079"	2,894.085	NVA
2324_2019_WY	N43°34'21.31257"	W109°48'53.45007"	2,549.904	NVA
2325_2019_WY	N43°35'14.00208"	W109°56'1.4846"	2,647.118	NVA
2326_2019_WY	N42°16'8.23462"	W110°13'59.34116"	2,030.505	NVA
2327_2019_WY	N42°15'49.13454"	W110°11'38.2809"	1,998.095	NVA
2328_2019_WY	N42°18'8.45847"	W110°9'2.76372"	2,045.015	NVA
2329_2019_WY	N42°20'16.79802"	W109°58'29.77926"	2,203.674	NVA
2330_2019_WY	N42°26'23.70232"	W109°46'3.52823"	2,144.025	NVA
2331_2019_WY	N42°25'51.70274"	W109°42'50.79745"	2,168.738	NVA
2332_2019_WY	N42°27'49.68571"	W109°39'31.80669"	2,214.552	NVA
2333_2019_WY	N42°27'51.18914"	W109°35'26.76974"	2,168.557	NVA
2333A_2019_WY	N42°33'25.41584"	W109°36'45.37555"	2,229.824	NVA
2334_2019_WY	N42°24'51.43584"	W109°33'14.50794"	2,134.781	NVA
2335_2019_WY	N42°32'11.70128"	W109°21'53.2468"	2,236.363	NVA
2336_2019_WY	N42°41'27.41876"	W109°31'10.5593"	2,176.298	NVA
2337_2019_WY	N42°29'48.67827"	W107°49'32.36529"	1,912.638	NVA
2338_2019_MT	N45°49'39.13902"	W104°26'10.48796"	1,090.812	NVA
2339_2019_MT	N45°50'1.46283"	W104°9'55.51586"	915.645	NVA
2340_2019_MT	N45°41'2.28215"	W104°5'24.62935"	978.098	NVA
2341_2019_MT	N45°26'3.53693"	W104°3'53.39413"	953.946	NVA
2342_2019_MT	N45°24'35.01743"	W104°4'39.0325"	959.200	NVA
2343_2019_MT	N45°28'26.67266"	W104°17'8.31085"	1,073.138	NVA
2344_2019_MT	N45°29'39.1105"	W104°20'3.94266"	1,186.630	NVA
2345_2019_MT	N45°34'3.84639"	W104°12'14.15612"	1,044.496	NVA
2346_2019_MT	N45°41'40.85537"	W104°43'19.73368"	1,109.466	NVA
2347_2019_MT	N45°52'46.92285"	W104°46'19.59912"	1,056.518	NVA
2348_2019_MT	N45°45'56.02674"	W104°51'21.49386"	939.269	NVA
2348A_2019_MT	N45°46'23.42598"	W104°47'20.73188"	933.946	NVA
2349_2019_MT	N46°6'50.18732"	W104°45'11.49303"	889.389	NVA
2350_2019_MT	N45°2'53.76296"	W105°1'4.30325"	1,201.614	NVA
2351_2019_WY	N44°50'47.67408"	W104°35'55.24895"	1,219.916	NVA

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
2352_2019_WY	N44°39'11.38221"	W104°20'24.80704"	1,351.352	NVA
2353_2019_WY	N44°38'23.693"	W104°11'33.82198"	1,117.910	NVA
2354_2019_WY	N44°31'19.14892"	W104°12'23.3218"	1,200.283	NVA
2355_2019_WY	N44°29'28.18324"	W104°13'52.93166"	1,251.661	NVA
2356_2019_WY	N44°28'15.18027"	W104°15'9.07614"	1,311.583	NVA
2357_2019_WY	N44°19'45.54984"	W104°29'32.67286"	1,403.363	NVA
2357A_2019_WY	N44°15'9.76086"	W104°23'46.83377"	1,471.899	NVA
2358_2019_WY	N44°18'51.07921"	W104°36'52.62028"	1,283.373	NVA
2359_2019_WY	N44°16'55.79648"	W104°50'15.12211"	1,273.264	NVA
2360_2019_WY	N44°17'3.82448"	W105°3'57.46525"	1,271.279	NVA
2361_2019_WY	N44°8'57.28067"	W104°5'2.91216"	1,825.198	NVA
2362_2019_WY	N44°19'28.84849"	W104°8'27.17269"	1,611.875	NVA
2363_2019_WY	N44°25'17.25161"	W104°15'54.99629"	1,346.088	NVA
2364_2019_WY	N44°24'35.1015"	W104°29'19.60618"	1,510.142	NVA
2365_2019_WZ	N44°27'29.71306"	W104°37'10.9296"	1,357.966	NVA
2366_2019_WY	N44°30'5.25501"	W104°41'9.31511"	1,272.125	NVA
2367_2019_WY	N44°34'34.43032"	W104°39'41.24503"	1,202.981	NVA
2368_2019_WY	N44°35'18.96298"	W104°56'16.66284"	1,240.145	NVA
2368A_2019_WY	N44°33'23.42421"	W104°56'30.41923"	1,298.672	NVA
2369_2019_WY	N44°46'46.70978"	W104°53'48.02739"	1,148.180	NVA
2370_2019_WY	N44°42'28.68081"	W104°48'16.5939"	1,355.333	NVA
2371_2019_WY	N44°11'45.21779"	W104°15'48.25889"	1,586.432	NVA
2372_2019_WY	N44°9'42.46836"	W104°21'22.01498"	1,564.500	NVA
2373_2019_WY	N44°13'29.20133"	W104°27'22.61555"	1,408.068	NVA
2374_2019_WY	N44°19'7.81218"	W104°23'27.13572"	1,447.942	NVA
2375_2019_WY	N44°19'11.11277"	W104°17'11.70168"	1,500.891	NVA
2376_2019_WY	N43°39'38.24501"	W105°1'23.33"	1,328.937	NVA
2376A_2019_WY	N43°50'35.13739"	W104°48'4.71885"	1,336.301	NVA
2377_2019_WY	N43°39'26.74474"	W104°56'34.20666"	1,325.818	NVA
2377A_2019_WY	N43°44'23.52703"	W104°47'55.43195"	1,351.090	NVA
2378_2019_WY	N43°39'40.98102"	W104°55'7.65645"	1,312.525	NVA
2379_2019_WY	N43°41'38.0307"	W104°51'57.8361"	1,343.969	NVA
2379A_2019_WY	N43°41'43.8114"	W104°44'5.30623"	1,299.501	NVA

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
2380_2019_WY	N43°48'0.94146"	W104°44'9.85241"	1,301.841	NVA
2381_2019_WY	N43°51'15.10209"	W104°38'39.01607"	1,341.989	NVA
2382_2019_WY	N43°57'17.20659"	W104°38'14.32726"	1,293.556	NVA
2383_2019_WY	N43°59'33.84475"	W104°45'3.4194"	1,432.214	NVA
2384_2019_WY	N44°2'39.23462"	W104°48'18.81741"	1,370.522	NVA
2385_2019_WY	N44°8'7.94628"	W104°52'47.09592"	1,316.147	NVA
2386_2019_WY	N44°13'12.54068"	W105°1'56.88111"	1,276.691	NVA
2387_2019_WY	N44°5'57.9409"	W105°0'31.97617"	1,327.926	NVA
2388_2019_WY	N43°58'44.24158"	W104°50'0.44686"	1,519.088	NVA
2389_2019_WY	N43°49'22.0442"	W104°50'5.2467"	1,325.409	NVA
2390_2019_WY	N43°45'32.0331"	W104°33'4.79214"	1,268.738	NVA
2391_2019_WY	N43°46'21.31618"	W104°39'32.65309"	1,285.054	NVA
2392_2019_WY	N43°31'18.55923"	W104°50'29.34775"	1,262.519	NVA
2393_2019_WY	N43°30'41.99339"	W105°3'14.0083"	1,357.838	NVA
2394_2019_WY	N43°20'21.05321"	W104°40'56.5089"	1,319.304	NVA
2395_2019_WY	N43°14'48.15437"	W104°37'23.03692"	1,221.355	NVA
2396_2019_WY	N43°13'46.0372"	W104°37'24.6605"	1,213.157	NVA
2397_2019_WY	N43°10'59.17726"	W104°36'20.33868"	1,262.521	NVA
2398_2019_WY	N43°9'57.00227"	W104°38'8.84834"	1,280.164	NVA
2398B_2019_WY	N43°9'44.98457"	W104°37'5.01887"	1,264.891	NVA
2399_2019_WY	N43°8'12.22989"	W104°37'5.44081"	1,266.915	NVA
2400_2019_WY	N43°3'17.97438"	W104°31'53.88494"	1,357.971	NVA
2401_2019_WY	N43°2'14.86758"	W104°39'42.6186"	1,342.129	NVA
2402_2019_WY	N43°2'35.15063"	W104°42'26.8598"	1,336.080	NVA
2403_2019_WY	N43°2'39.29339"	W104°46'32.81708"	1,485.990	NVA
2404_2019_WY	N42°54'2.37633"	W104°41'26.77651"	1,459.131	NVA
2405_2019_WY	N42°44'50.33343"	W104°37'3.50656"	1,607.192	NVA
2406_2019_WY	N42°37'59.89509"	W104°38'34.26503"	1,674.771	NVA
2407_2019_WY	N42°38'25.64285"	W104°42'44.96401"	1,605.810	NVA
2408_2019_WY	N42°36'53.16103"	W104°39'33.32273"	1,645.476	NVA
2409_2019_WY	N42°36'48.09508"	W104°42'52.79244"	1,604.670	NVA
2410_2019_WY	N42°33'11.50475"	W104°45'58.76833"	1,570.598	NVA
2411_2019_WY	N42°33'51.31645"	W104°52'47.58435"	1,438.792	NVA

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
2412_2019_WY	N42°33'5.73498"	W104°55'53.54443"	1,402.454	NVA
2413_2019_WY	N42°29'2.61319"	W104°53'52.08346"	1,561.284	NVA
2414_2019_WY	N42°32'45.07203"	W105°2'1.21082"	1,411.266	NVA
2415_2019_WY	N42°33'30.54945"	W105°0'29.52146"	1,428.516	NVA
2416_2019_WY	N42°35'22.15527"	W105°4'1.67264"	1,413.439	NVA
2417_2019_WY	N42°34'18.95034"	W105°6'0.28945"	1,437.049	NVA
2418_2019_WY	N42°30'3.87813"	W105°10'45.89018"	1,616.747	NVA
2419_2019_WY	N42°25'57.84974"	W105°12'9.15987"	1,522.706	NVA
2420_2019_WY	N42°10'18.81032"	W105°10'40.76396"	1,456.970	NVA
2421_2019_WY	N42°8'49.1137"	W105°9'57.04798"	1,453.050	NVA
2422_2019_WY	N42°6'12.22381"	W105°6'40.83752"	1,405.967	NVA
2423_2019_WY	N42°5'21.18755"	W105°2'27.39976"	1,421.674	NVA
2424_2019_WY	N41°57'32.50233"	W105°4'9.10805"	1,525.161	NVA
2425_2019_WY	N41°56'39.55356"	W105°5'30.93183"	1,510.749	NVA
2426_2019_WY	N41°51'24.15501"	W105°13'9.63239"	1,628.789	NVA
2427_2019_WY	N41°45'32.25856"	W104°59'13.68041"	1,698.751	NVA
2428_2019_WY	N41°43'33.33832"	W104°54'16.1219"	1,662.410	NVA
2429_2019_WY	N41°44'28.3441"	W104°47'7.35535"	1,651.498	NVA
2430_2019_WY	N41°52'18.46199"	W104°42'8.76515"	1,574.875	NVA
2431_2019_WY	N41°56'8.54354"	W104°50'43.14224"	1,467.652	NVA
2432_2019_WY	N41°54'53.72592"	W104°53'7.99351"	1,541.253	NVA
2433_2019_WY	N42°1'51.26425"	W104°43'50.64623"	1,548.966	NVA
2434_2019_WY	N42°3'8.91724"	W104°56'16.7529"	1,443.688	NVA
2435_2019_WY	N42°4'19.02935"	W104°57'21.20542"	1,423.606	NVA
2436_2019_WY	N42°6'1.17199"	W104°56'51.5537"	1,387.713	NVA
2437_2019_WY	N42°9'4.12932"	W104°56'49.49972"	1,362.214	NVA
2438_2019_WY	N42°19'46.0228"	W104°43'20.63786"	1,428.829	NVA
2439_2019_WY	N42°20'46.61911"	W104°40'3.36353"	1,440.001	NVA
2440_2019_WY	N42°31'24.98756"	W104°41'40.82928"	1,577.820	NVA
2441_2019_WY	N42°41'52.33476"	W104°47'39.43394"	1,558.931	NVA
2442_2019_WY	N42°45'28.28811"	W104°45'27.01656"	1,600.195	NVA
2443_2019_WY	N42°39'44.43341"	W104°5'14.17834"	1,430.309	NVA
2444_2019_WY	N42°41'20.8631"	W104°11'36.20511"	1,454.154	NVA

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
2445_2019_WY	N42°40'9.9828"	W104°21'35.85169"	1,498.318	NVA
2446_2019_WY	N42°49'49.98603"	W104°7'23.6058"	1,518.578	NVA
2446A_2019_WY	N42°55'46.68752"	W104°15'40.75716"	1,343.809	NVA
2447_2019_WY	N43°7'59.46862"	W104°13'27.88465"	1,267.693	NVA
2448_2019_WY	N43°25'39.96527"	W104°28'56.45453"	1,191.848	NVA
2449_2019_WY	N41°40'8.09614"	W104°59'42.97382"	1,719.875	NVA
2450_2019_WY	N41°49'20.51607"	W105°14'49.5688"	1,675.034	NVA
2451_2019_WY	N43°37'17.79753"	W104°42'1.74454"	1,264.430	NVA
2452_2019_WY	N44°40'2.29913"	W105°0'50.46885"	1,236.062	NVA
2453_2019_WY	N44°34'43.40334"	W104°23'14.07846"	1,514.917	NVA
2454_2019_WY	N44°45'17.31075"	W104°14'11.08212"	1,082.533	NVA
2455_2019_WY	N44°48'24.15136"	W104°26'27.44274"	1,117.584	NVA
2456_2019_WY	N44°43'10.33405"	W104°28'38.23219"	1,245.607	NVA
2457_2019_WY	N44°53'46.66698"	W104°29'16.89305"	1,158.058	NVA
2457A_2019_WY	N44°55'33.9044"	W104°27'46.50707"	1,141.820	NVA
2458_2019_MT	N45°49'14.45588"	W104°36'27.49507"	1,084.060	NVA
2459_2019_MT	N45°28'24.30427"	W104°3'58.77318"	960.636	NVA
2460_2019_MT	N45°32'20.27302"	W104°7'10.02477"	996.429	NVA
2461_2019_WY	N43°29'55.82439"	W106°27'10.15367"	1,460.575	NVA
2462_2019_WY	N43°34'47.89444"	W106°30'59.1526"	1,467.857	NVA
2463_2019_WY	N43°35'55.84272"	W106°32'0.51826"	1,452.124	NVA
2464_2019_WY	N43°34'3.70116"	W106°45'16.08383"	1,540.259	NVA
2465_2019_WY	N43°36'17.32151"	W106°11'38.42292"	1,501.935	NVA
2466_2019_WY	N43°40'39.87117"	W106°55'8.28792"	1,581.548	NVA
2467_2019_WY	N43°39'39.18268"	W106°54'20.15897"	1,552.214	NVA
2468_2019_WY	N43°40'47.96025"	W106°43'31.9048"	1,460.687	NVA
2469_2019_WY	N43°48'59.41027"	W106°36'58.24129"	1,492.644	NVA
2470_2019_WY	N43°51'3.2355"	W106°37'25.70764"	1,516.888	NVA
2471_2019_WY	N43°52'21.66225"	W106°37'51.02773"	1,538.143	NVA
2472_2019_WY	N43°52'33.20573"	W106°30'39.41237"	1,415.822	NVA
2473_2019_WY	N43°53'16.93848"	W106°26'20.17779"	1,378.996	NVA
2474_2019_WY	N44°1'17.32046"	W106°27'22.5162"	1,439.906	NVA
2475_2019_WY	N43°56'27.49813"	W106°10'41.21796"	1,324.845	NVA

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
2476_2019_WY	N43°49'41.28727"	W106°14'58.8333"	1,305.621	NVA
2476A_2019_WY	N43°48'20.90132"	W106°16'5.40321"	1,311.161	NVA
2477_2019_WY	N43°57'30.09475"	W106°28'54.98183"	1,424.487	NVA
2478_2019_WY	N43°56'59.23867"	W106°45'14.13987"	1,556.432	NVA
2479_2019_WY	N44°4'32.40454"	W106°59'32.86498"	2,482.273	NVA
2480_2019_WY	N44°9'2.92038"	W106°55'57.03931"	2,413.520	NVA
2481_2019_WY	N44°9'45.49415"	W106°55'2.39869"	2,376.551	NVA
2482_2019_WY	N44°14'58.44417"	W106°56'28.37899"	2,460.837	NVA
2483_2019_WY	N44°19'3.93455"	W106°56'21.81622"	2,211.126	NVA
2484_2019_WY	N44°19'49.89458"	W106°50'37.40877"	1,911.671	NVA
2485_2019_WY	N44°19'56.25674"	W106°48'58.11415"	1,748.269	NVA
2486_2019_WY	N44°20'9.42987"	W106°46'51.6854"	1,592.292	NVA
2487_2019_WY	N44°21'28.31931"	W106°41'55.42198"	1,401.547	NVA
2488_2019_WY	N44°21'15.23917"	W106°40'11.49826"	1,369.721	NVA
2489_2019_WY	N44°20'2.08556"	W106°37'5.02394"	1,431.095	NVA
2490_2019_WY	N44°18'3.65325"	W106°36'13.39802"	1,398.329	NVA
2491_2019_WY	N44°18'51.73376"	W106°32'37.55722"	1,351.458	NVA
2492_2019_WY	N44°22'53.87589"	W106°28'21.34404"	1,280.517	NVA
2493_2019_WY	N44°25'7.95295"	W106°20'44.8806"	1,220.697	NVA
2494_2019_WY	N44°27'58.26503"	W106°16'34.90907"	1,184.354	NVA
2495_2019_WY	N44°29'31.39171"	W106°8'21.78193"	1,142.091	NVA
2496_2019_WY	N44°29'50.03442"	W106°9'18.6271"	1,155.788	NVA
2497_2019_WY	N44°24'47.02287"	W106°9'22.44416"	1,150.962	NVA
2498_2019_WY	N44°23'50.92254"	W106°9'14.09405"	1,200.168	NVA
2499_2019_WY	N44°19'16.30627"	W106°9'21.22062"	1,207.533	NVA
2500_2019_WY	N44°17'17.47556"	W106°9'21.18752"	1,212.971	NVA
2501_2019_WY	N44°16'35.7943"	W106°8'56.72742"	1,190.394	NVA
2501A_2019_WY	N44°15'51.36905"	W106°9'10.64285"	1,197.538	NVA
2502_2019_WY	N44°13'58.97755"	W106°9'18.53591"	1,202.743	NVA
2503_2019_WY	N44°8'33.86288"	W106°16'29.49569"	1,420.204	NVA
2504_2019_WY	N44°26'9.03981"	W106°49'49.68051"	1,513.944	NVA
2505_2019_WY	N44°31'14.5726"	W106°48'6.258"	1,413.059	NVA
2506_2019_WY	N44°26'8.42377"	W106°45'7.07261"	1,469.026	NVA

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
2507_2019_WY	N44°27'47.78637"	W106°33'58.50012"	1,284.958	NVA
2508_2019_WY	N44°6'29.07469"	W106°42'58.39727"	1,481.754	NVA
2509_2019_WY	N44°9'8.45654"	W106°42'8.23303"	1,496.118	NVA
2510_2019_WY	N44°9'46.40882"	W106°39'16.80144"	1,490.660	NVA
2511_2019_MT	N45°59'10.3783"	W104°29'29.44984"	979.577	NVA
2512_2019_MT	N46°6'57.77973"	W104°34'42.95415"	937.393	NVA
2513_2019_MT	N45°56'43.53987"	W104°44'17.6939"	979.113	NVA
2514_2019_MT	N46°3'29.93072"	W104°49'29.66353"	914.856	NVA
2515_2019_MT	N45°24'56.77972"	W104°59'4.24592"	1,002.582	NVA
2516_2019_WY	N43°32'24.73627"	W107°51'56.34611"	1,679.100	NVA
2516A_2019_WY	N43°32'24.42938"	W107°51'54.03764"	1,677.541	NVA
2517_2019_WY	N43°44'7.22187"	W108°10'28.51017"	1,300.400	NVA
2518_2019_WY	N43°45'44.01065"	W108°10'33.43763"	1,305.474	NVA
2519_2019_WY	N43°48'10.25262"	W108°11'2.03874"	1,294.627	NVA
2520_2019_WY	N43°49'41.72179"	W108°18'20.75446"	1,356.038	NVA
2521_2019_WY	N43°50'59.80206"	W108°22'30.32641"	1,436.654	NVA
2522_2019_WY	N43°43'52.69227"	W108°6'56.59006"	1,320.476	NVA
2523_2019_WY	N43°39'39.22593"	W108°2'1.61819"	1,599.791	NVA
2524_2019_WY	N43°24'9.45731"	W108°5'14.98126"	1,629.972	NVA
2525_2019_WY	N43°16'20.79446"	W108°4'44.13342"	1,450.006	NVA
2526_2019_WY	N43°14'1.49047"	W108°6'20.92067"	1,461.199	NVA
2527_2019_WY	N42°58'23.84646"	W108°2'47.42025"	1,650.235	NVA
2528_2019_WY	N42°52'18.78531"	W108°7'33.78233"	1,710.556	NVA
2529_2019_WY	N42°38'22.42975"	W108°11'42.10132"	2,042.852	NVA
2530_2019_WY	N42°34'35.37854"	W108°15'49.55014"	2,024.780	NVA
2531_2019_WY	N42°27'33.40318"	W108°41'37.45659"	2,325.711	NVA
2532_2019_WY	N42°22'7.16264"	W108°42'23.92575"	2,260.150	NVA
2533_2019_WY	N42°20'44.81703"	W108°52'15.8262"	2,246.704	NVA
2534_190919_WY	N42°26'16.93073"	W108°51'44.25245"	2,391.119	NVA
2535_2019_WY	N42°18'46.82716"	W109°0'3.06617"	2,150.339	NVA
2536_2019_WY	N42°15'54.5803"	W109°9'41.41575"	2,097.223	NVA
2536A_2019_WY	N42°15'54.38156"	W109°6'3.86425"	2,111.259	NVA
2537_2019_WY	N42°16'19.44499"	W109°24'36.83402"	2,050.793	NVA

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
2538_2019_WY	N42°18'24.57742"	W109°29'56.66945"	2,062.304	NVA
2539_2019_WY	N42°23'38.27365"	W109°45'10.05263"	2,155.597	NVA
2540_2019_WY	N42°49'7.67881"	W110°17'34.28075"	2,276.300	NVA
2540A_2019_WY	N42°51'6.84166"	W110°17'38.33987"	2,298.382	NVA
2541_2019_WY	N42°49'56.71805"	W110°23'29.60922"	2,360.611	NVA
2542_2019_WY	N42°49'15.04971"	W110°31'30.54364"	2,485.468	NVA
2543_2019_WY	N42°42'48.30908"	W110°19'45.43368"	2,427.890	NVA
2544_2019_WY	N42°32'35.68169"	W110°18'24.62176"	2,249.912	NVA
2545_2019_WY	N42°35'53.86835"	W110°26'27.94751"	2,412.807	NVA
2546_2019_WY	N42°37'1.56465"	W110°32'24.84305"	2,569.372	NVA
2547_2019_WY	N42°23'55.52377"	W110°17'22.31368"	2,228.795	NVA
2548_2019_WY	N42°19'49.45791"	W110°16'37.80965"	2,174.929	NVA
2549A_2019_WY	N42°27'4.36774"	W110°35'2.66911"	2,425.453	NVA
2550_2019_WY	N42°17'31.18102"	W109°43'40.52029"	2,119.511	NVA
2551_190920_WY	N42°34'20.97985"	W108°50'32.10562"	2,745.425	NVA
2552_2019_WY	N42°29'13.79341"	W109°7'29.59155"	2,416.770	NVA
2553_2019_WY	N42°42'7.0148"	W108°29'55.10103"	1,734.607	NVA
2554_2019_WY	N42°46'36.94243"	W107°40'15.69424"	1,943.879	NVA
2555_2019_WY	N42°22'48.61298"	W107°50'46.1793"	2,010.946	NVA
2556_2019_WY	N42°32'27.87798"	W108°10'41.33776"	1,989.640	NVA
2557_2019_WY	N42°23'3.08582"	W108°37'14.35368"	2,210.690	NVA
2558_2019_WY	N42°32'20.36333"	W109°12'48.66657"	2,437.082	NVA
2559_2019_WY	N43°9'35.74713"	W110°21'48.65255"	2,063.673	NVA
2560_2019_WY	N43°14'43.00434"	W110°22'43.29658"	2,040.023	NVA
2561_2019_WY	N43°6'23.94034"	W110°27'16.24871"	2,181.460	NVA
2562_2019_WY	N42°56'45.51535"	W110°18'58.34"	2,310.864	NVA
2562A_2019_WY	N42°56'42.49417"	W110°16'59.79359"	2,286.071	NVA
2563_2019_WY	N42°51'59.227"	W110°4'17.14259"	2,180.615	NVA
2564_2019_WY	N43°5'13.65494"	W110°1'39.34512"	2,328.403	NVA
2564A_2019_WY	N43°5'38.4345"	W110°3'53.82376"	2,311.923	NVA
2565_2019_WY	N43°46'32.54716"	W108°34'21.9376"	1,701.607	NVA
2566_2019_WY	N42°41'40.93298"	W107°44'39.94576"	2,007.731	NVA
2567_2019_WY	N43°8'34.77292"	W107°32'48.58057"	1,733.420	NVA

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
2568_2019_WY	N43°9'41.51829"	W107°43'36.23899"	1,644.421	NVA
2569_2019_WY	N43°6'2.50624"	W107°43'3.03589"	1,693.689	NVA
2570_2019_WY	N42°59'9.13212"	W107°42'42.49781"	1,723.253	NVA
2571_2019_WY	N43°20'5.29696"	W107°42'38.22134"	1,619.920	NVA
2572_2019_WY	N42°44'23.96764"	W108°2'17.24489"	2,148.893	NVA
2573_2019_WY	N43°5'28.74821"	W108°1'15.72105"	1,575.066	NVA
2574_2019_WY	N42°51'26.46102"	W108°46'3.37676"	1,659.834	NVA
2575_2019_WY	N42°50'46.44505"	W108°43'11.5954"	1,601.685	NVA
2576_2019_WY	N42°52'45.10422"	W108°43'39.34058"	1,615.409	NVA
2577_2019_WY	N42°33'59.72542"	W110°5'59.93202"	2,073.646	NVA
2578_2019_WY	N42°6'0.95773"	W104°59'23.78353"	1,405.665	NVA
2579_2019_WY	N43°53'15.79329"	W104°18'53.4563"	1,257.490	NVA
2579A_2019_WY	N43°53'16.2956"	W104°18'52.99178"	1,258.283	NVA
2580_2019_WY	N43°51'0.607"	W104°14'44.89374"	1,253.970	NVA
2581_2019_WY	N43°50'30.08684"	W104°10'2.41805"	1,316.375	NVA
2582_2019_WY	N43°49'15.41547"	W104°8'29.13712"	1,295.694	NVA
2583_2019_WY	N43°48'40.31799"	W104°6'42.68593"	1,301.070	NVA
2584_2019_WY	N43°46'14.14376"	W104°3'45.7753"	1,360.402	NVA
2585_2019_WY	N44°38'15.06047"	W104°41'14.5157"	1,170.413	NVA
2586_2019_MT	N45°51'10.7478"	W104°13'2.38285"	929.830	NVA
3001_2019_WY	N43°33'52.0525"	W109°42'10.75838"	2,162.358	VVA
3002_2019_WY	N43°35'41.61815"	W109°46'35.25653"	2,209.102	VVA
3003_2019_WY	N43°34'53.73545"	W109°47'2.06062"	2,340.191	VVA
3004_2019_WY	N43°31'26.95872"	W109°50'37.76559"	2,929.508	VVA
3005_2019_WY	N43°36'49.22588"	W109°56'30.22022"	2,697.343	VVA
3006_2019_WY	N43°37'10.64286"	W110°0'14.54978"	2,766.112	VVA
3006A_2019_WY	N43°37'9.9419"	W110°0'13.26823"	2,766.590	VVA
3007_2019_WY	N43°41'46.8737"	W109°52'16.59285"	2,646.210	VVA
3008_2019_WY	N43°42'19.91349"	W109°38'18.84001"	2,380.730	VVA
3009_2019_WY	N43°41'34.5253"	W109°27'26.17012"	2,675.948	VVA
3009A_2019_WY	N43°40'29.95297"	W109°27'56.31798"	2,586.580	VVA
3010_2019_WY	N43°51'33.87472"	W108°59'53.79895"	2,560.600	VVA
3011_2019_WY	N43°51'52.19648"	W108°58'33.98018"	2,271.489	VVA

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
3012_2019_WY	N43°41'37.98037"	W108°56'31.15178"	2,149.090	VVA
3012A_2019_WY	N43°42'18.11668"	W108°50'36.27955"	1,950.658	VVA
3013_2019_WY	N43°44'50.6428"	W108°45'28.64939"	1,866.723	VVA
3014_2019_WY	N43°47'57.5304"	W108°35'47.40498"	1,621.628	VVA
3015_2019_WY	N43°49'26.81311"	W108°31'43.76562"	1,543.820	VVA
3016_2019_WY	N43°49'53.75665"	W108°29'51.06644"	1,524.146	VVA
3017_2019_WY	N43°51'25.14276"	W108°25'38.21596"	1,464.846	VVA
3018_2019_WY	N43°51'18.46384"	W108°23'51.9007"	1,447.436	VVA
3019_2019_WY	N43°50'14.2793"	W108°20'3.34126"	1,380.910	VVA
3020_2019_WY	N43°47'34.38489"	W108°14'22.87312"	1,371.579	VVA
3021_2019_WY	N43°44'57.33675"	W108°8'10.2715"	1,294.127	VVA
3022_2019_WY	N43°44'35.07186"	W108°6'56.47091"	1,299.947	VVA
3023_2019_WY	N43°44'28.79915"	W108°3'13.13332"	1,325.139	VVA
3024_2019_WY	N43°44'12.92658"	W108°1'35.15929"	1,327.042	VVA
3024A_2019_WY	N43°44'13.24974"	W108°1'35.81759"	1,326.609	VVA
3025_2019_WY	N43°43'50.37897"	W107°58'34.54736"	1,349.006	VVA
3026_2019_WY	N43°42'47.25446"	W107°55'1.97529"	1,377.218	VVA
3027_2019_WY	N43°41'59.7229"	W107°52'40.47368"	1,398.730	VVA
3028_2019_WY	N43°40'35.15157"	W107°53'40.00568"	1,415.393	VVA
3029_2019_WY	N43°39'46.94531"	W107°46'14.01059"	1,586.267	VVA
3030_2019_WY	N43°42'20.84752"	W107°47'12.16012"	1,458.607	VVA
3031_2019_WY	N43°32'30.42331"	W107°45'37.03282"	1,999.791	VVA
3031A_2019_WY	N43°32'31.02147"	W107°45'37.53969"	1,997.155	VVA
3032_2019_WY	N43°32'2.50982"	W107°46'8.70232"	1,971.624	VVA
3033_2019_WY	N43°30'53.89116"	W107°46'24.60114"	1,953.639	VVA
3034_2019_WY	N43°27'23.96495"	W107°48'25.07985"	1,835.919	VVA
3035_2019_WY	N43°24'32.69273"	W107°44'0.2708"	1,725.207	VVA
3036_2019_WY	N43°21'13.65077"	W107°42'33.89446"	1,629.476	VVA
3037_2019_WY	N43°20'25.47841"	W107°41'19.05573"	1,612.961	VVA
3038_2019_WY	N43°17'10.74333"	W107°38'3.26125"	1,638.399	VVA
3039_2019_WY	N43°15'44.60569"	W107°42'0.35394"	1,609.703	VVA
3040_2019_WY	N43°8'20.50251"	W107°38'10.12937"	1,684.069	VVA
3041_2019_WY	N43°7'34.26635"	W107°43'18.96114"	1,673.760	VVA

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
3042_2019_WY	N43°2'39.98739"	W107°42'40.23113"	1,794.277	VVA
3043_2019_WY	N42°57'41.19175"	W107°53'6.81916"	1,720.922	VVA
3044_2019_WY	N42°41'30.48748"	W107°44'45.11363"	2,018.286	VVA
3045_2019_WY	N42°28'45.94308"	W107°37'5.82713"	1,881.539	VVA
3046_2019_WY	N42°18'5.52845"	W107°52'22.15602"	2,139.078	VVA
3047_2019_WY	N42°24'18.59166"	W108°11'18.20959"	2,133.945	VVA
3048_2019_WY	N42°29'50.80743"	W108°9'45.86702"	2,008.189	VVA
3049_2019_WY	N42°31'6.48806"	W108°0'50.14771"	1,946.373	VVA
3050_2019_WY	N42°38'34.47446"	W108°20'54.34412"	1,697.777	VVA
3051_2019_WY	N42°43'47.74338"	W108°38'45.96992"	1,676.871	VVA
3052_2019_WY	N42°42'12.85128"	W108°39'25.29805"	1,682.885	VVA
3053_190920_WY	N42°33'52.26725"	W108°49'48.23252"	2,687.505	VVA
3054_190920_WY	N42°38'20.17434"	W108°52'25.58422"	2,891.743	VVA
3055_2019_WY	N42°41'48.684"	W108°53'45.03205"	2,639.690	VVA
3056_2019_WY	N42°43'41.42639"	W108°50'33.83615"	2,266.954	VVA
3056A_2019_WY	N42°43'41.083"	W108°50'34.2208"	2,268.060	VVA
3056B_2019_WY	N42°43'10.13427"	W108°51'9.65036"	2,508.452	VVA
3057_2019_WY	N42°40'5.39615"	W108°52'22.78099"	2,775.982	VVA
3058_2019_WY	N42°47'55.97822"	W108°58'1.73499"	2,926.239	VVA
3058A_2019_WY	N42°48'14.39965"	W108°56'52.661"	2,809.307	VVA
3059_2019_WY	N42°19'19.42559"	W109°11'8.75314"	2,133.714	VVA
3060_2019_WY	N42°23'20.30598"	W109°13'46.2211"	2,130.056	VVA
3061_2019_WY	N42°16'5.8933"	W109°9'25.5385"	2,094.891	VVA
3062_2019_WY	N42°28'10.77477"	W109°17'49.59733"	2,176.206	VVA
3063_2019_WY	N42°28'34.94071"	W109°19'0.29511"	2,175.080	VVA
3064_2019_WY	N42°29'27.52372"	W109°20'10.90602"	2,197.810	VVA
3065_2019_WY	N42°31'6.45367"	W109°21'10.65611"	2,221.849	VVA
3066_2019_WY	N42°40'51.19075"	W109°30'33.8645"	2,176.254	VVA
3067_2019_WY	N42°36'56.70244"	W109°31'12.36461"	2,170.908	VVA
3068_2019_WY	N42°35'44.1397"	W109°33'17.7816"	2,192.874	VVA
3069_2019_WY	N42°36'53.30013"	W109°38'41.95192"	2,172.339	VVA
3070_2019_WY	N42°36'55.34193"	W109°51'13.20187"	2,079.331	VVA
3071_2019_WY	N42°39'13.55047"	W109°56'40.16776"	2,089.792	VVA

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
3072_2019_WY	N42°42'41.59175"	W110°4'21.48409"	2,155.029	VVA
3073_2019_WY	N42°45'28.99175"	W110°3'28.32397"	2,145.709	VVA
3074_2019_WY	N42°47'3.5723"	W110°3'1.15947"	2,143.290	VVA
3075_2019_WY	N42°49'43.2752"	W110°2'56.26742"	2,237.434	VVA
3076_2019_WY	N42°50'52.72234"	W110°4'17.60725"	2,189.205	VVA
3077_2019_WY	N42°51'53.16529"	W110°4'17.60747"	2,179.840	VVA
3078_2019_WY	N42°52'34.34641"	W110°4'19.75559"	2,183.613	VVA
3079_2019_WY	N42°53'23.59698"	W110°4'19.6432"	2,192.326	VVA
3080_2019_WY	N42°53'16.96027"	W110°6'13.51899"	2,194.334	VVA
3081_2019_WY	N42°54'49.95699"	W110°9'38.7802"	2,215.274	VVA
3082_2019_WY	N42°56'3.71897"	W110°12'27.92908"	2,238.595	VVA
3083_2019_WY	N42°20'39.28468"	W109°56'58.68209"	2,187.297	VVA
3083A_2019_WY	N42°18'46.1095"	W109°44'4.5107"	2,125.592	VVA
3084_2019_WY	N42°18'31.39274"	W110°28'3.93564"	2,237.375	VVA
3085_2019_WY	N42°19'23.66348"	W110°29'59.02336"	2,272.584	VVA
3086_2019_WY	N42°20'15.93409"	W110°32'52.33472"	2,335.831	VVA
3087_2019_WY	N42°22'45.66597"	W110°33'4.03173"	2,342.809	VVA
3088_2019_WY	N42°28'17.4606"	W110°15'12.78356"	2,282.240	VVA
3089_2019_WY	N42°34'36.49781"	W110°22'35.79103"	2,322.991	VVA
3090_2019_WY	N42°35'23.46389"	W110°24'40.22396"	2,373.692	VVA
3091_2019_WY	N42°36'15.93621"	W110°27'3.72533"	2,420.863	VVA
3092_2019_WY	N42°38'22.36446"	W110°30'58.89537"	2,610.536	VVA
3093_2019_WY	N42°36'57.56463"	W110°32'2.2831"	2,539.872	VVA
3093A_2019_WY	N42°36'59.98402"	W110°32'2.63465"	2,539.747	VVA
3094_2019_WY	N42°33'27.94439"	W110°32'49.77852"	2,557.861	VVA
3094A_2019_WY	N42°35'47.43857"	W110°30'26.46427"	2,515.670	VVA
3095_2019_WY	N42°34'15.45403"	W110°31'39.13207"	2,583.083	VVA
3095B_2019_WY	N42°34'33.60657"	W110°31'28.50166"	2,563.789	VVA
3096_2019_WY	N42°28'44.33801"	W110°35'0.2345"	2,657.058	VVA
3097_2019_WY	N43°4'44.35135"	W109°58'16.79096"	2,384.787	VVA
3098_2019_WY	N43°7'42.7787"	W110°24'47.64835"	2,132.132	VVA
3099_2019_WY	N43°3'43.21347"	W110°28'53.45145"	2,254.485	VVA
3100_2019_WY	N43°5'45.66265"	W110°3'44.02749"	2,302.796	VVA

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
3100A_2019_WY	N43°5'37.68173"	W110°3'52.84096"	2,311.919	VVA
3101_2019_WY	N42°50'28.82345"	W108°14'27.89519"	1,647.263	VVA
3102_2019_MT	N45°28'59.77462"	W104°19'43.35116"	1,175.911	VVA
3103_2019_MT	N45°30'37.35752"	W104°17'50.37084"	1,163.141	VVA
3104_2019_MT	N45°30'50.52836"	W104°17'13.87617"	1,143.433	VVA
3105_2019_MT	N45°32'19.83741"	W104°5'18.11075"	988.178	VVA
3106_2019_MT	N45°33'13.1093"	W104°9'57.65349"	1,013.668	VVA
3107_2019_MT	N45°37'37.75825"	W104°5'43.09245"	1,034.442	VVA
3108_2019_MT	N45°45'33.93179"	W104°6'14.3217"	963.909	VVA
3109_2019_MT	N45°46'52.10226"	W104°6'47.61331"	951.488	VVA
3110_2019_MT	N45°50'1.33812"	W104°9'56.6156"	915.540	VVA
3111_2019_MT	N45°44'46.61247"	W104°24'5.87532"	964.368	VVA
3112_2019_MT	N45°47'12.40058"	W104°39'53.34489"	1,078.004	VVA
3113_2019_MT	N45°53'32.38639"	W104°38'38.94692"	1,017.394	VVA
3114_2019_MT	N45°57'48.93741"	W104°30'13.71861"	980.624	VVA
3115_2019_MT	N46°1'12.96041"	W104°28'18.03015"	983.780	VVA
3116_2019_MT	N46°2'16.56328"	W104°23'52.65522"	948.871	VVA
3117_2019_MT	N46°1'6.02271"	W104°43'58.88649"	963.482	VVA
3118_2019_MT	N46°5'57.44448"	W104°54'16.21987"	968.030	VVA
3119_2019_MT	N46°8'10.15098"	W104°52'38.28515"	973.606	VVA
3120_2019_MT	N46°5'52.98334"	W104°32'19.83017"	933.093	VVA
3121_2019_MT	N45°57'58.43347"	W104°34'24.70857"	999.842	VVA
3122_2019_MT	N45°59'13.57664"	W104°48'45.11217"	920.727	VVA
3123_2019_MT	N45°45'53.25104"	W104°51'12.91846"	931.008	VVA
3123A_2019_MT	N45°46'22.74864"	W104°47'21.34822"	933.666	VVA
3124_2019_MT	N45°28'19.2113"	W104°57'27.62494"	939.040	VVA
3125_2019_MT	N45°26'41.16372"	W104°57'58.72356"	938.214	VVA
3126_2019_MT	N45°22'14.39178"	W104°57'44.67395"	1,069.960	VVA
3127_2019_MT	N45°20'43.15363"	W104°56'36.0445"	1,067.260	VVA
3128_2019_MT	N45°18'43.95244"	W105°1'19.34903"	1,069.492	VVA
3129_2019_MT	N45°13'35.43846"	W104°53'44.10705"	1,122.940	VVA
3130_2019_WY	N45°9'14.75816"	W105°2'12.59363"	1,147.063	VVA
3131_2019_WY	N44°57'34.56144"	W104°26'1.70302"	1,120.809	VVA

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
3132_2019_WY	N44°56'14.01801"	W104°24'46.84967"	1,083.977	VVA
3133_2019_WY	N44°40'33.48416"	W104°20'48.48307"	1,429.205	VVA
3134_2019_WY	N44°39'6.96165"	W104°19'39.23485"	1,417.564	VVA
3135_2019_WY	N44°41'8.40507"	W104°25'17.97542"	1,216.290	VVA
3136_2019_WY	N44°42'2.93766"	W104°26'40.05169"	1,196.200	VVA
3137_2019_WY	N44°41'42.73341"	W104°30'37.75705"	1,200.262	VVA
3137A_2019_WY	N44°41'42.01885"	W104°30'37.74441"	1,197.898	VVA
3138_2019_WY	N44°40'34.34257"	W104°35'20.75025"	1,223.275	VVA
3139_2019_WY	N44°34'41.33522"	W104°23'13.40259"	1,518.710	VVA
3139A_2019_WY	N44°35'0.39515"	W104°19'7.34687"	1,300.193	VVA
3140_2019_WY	N44°19'30.3138"	W104°8'35.27989"	1,609.186	VVA
3141_2019_WY	N44°20'4.44356"	W104°15'24.15195"	1,469.800	VVA
3142_2019_WY	N44°6'58.88877"	W104°9'34.35787"	1,800.758	VVA
3143_2019_WY	N43°58'6.43962"	W104°11'57.25937"	1,511.406	VVA
3144_2019_WY	N43°54'48.37431"	W104°11'0.80897"	1,573.441	VVA
3145_2019_WY	N43°53'5.37662"	W104°11'15.45557"	1,502.921	VVA
3146_2019_WY	N43°48'20.60602"	W104°7'21.38575"	1,290.104	VVA
3147_2019_WY	N43°42'30.41885"	W104°39'43.68311"	1,253.352	VVA
3148_2019_WY	N42°53'4.23944"	W104°24'29.09978"	1,522.889	VVA
3149_2019_WY	N42°44'9.08793"	W104°21'11.01137"	1,483.683	VVA
3150_2019_WY	N42°40'12.91978"	W104°9'36.56437"	1,455.101	VVA
3151_2019_WY	N42°40'3.21455"	W104°26'17.82681"	1,520.544	VVA
3152_2019_WY	N42°29'11.24316"	W104°56'43.26704"	1,472.696	VVA
3153_2019_WY	N42°25'25.61631"	W104°57'44.76025"	1,367.684	VVA
3154_2019_WY	N42°7'33.32541"	W104°59'13.49046"	1,383.929	VVA
3155_2019_WY	N42°2'42.22429"	W104°53'46.98585"	1,385.876	VVA
3156_2019_WY	N41°58'0.47301"	W105°1'14.26573"	1,523.830	VVA
3157_2019_WY	N41°55'36.06819"	W105°6'27.22523"	1,523.627	VVA
3158_2019_WY	N41°52'17.92336"	W104°44'58.66488"	1,568.527	VVA
3159_2019_WY	N41°44'26.62416"	W104°40'21.69802"	1,639.561	VVA
3160_2019_WY	N41°42'39.96083"	W104°40'20.63158"	1,640.465	VVA
3161_2019_WY	N41°39'10.96791"	W104°48'27.65515"	1,708.985	VVA
3162_2019_WY	N41°39'13.37237"	W104°53'5.7223"	1,788.162	VVA

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
3163_2019_WY	N41°42'18.82694"	W104°55'37.7751"	1,666.666	VVA
3164_2019_WY	N42°3'9.37811"	W105°16'48.77651"	1,775.490	VVA
3165_2019_WY	N42°3'14.28526"	W105°15'55.25561"	1,674.606	VVA
3166_2019_WY	N42°21'48.82876"	W107°44'18.50426"	2,542.850	VVA
3167_2019_WY	N42°21'5.67616"	W107°41'21.20004"	2,551.378	VVA
3168_2019_WY	N42°31'7.50251"	W108°46'13.80221"	2,517.665	VVA
3169_2019_WY	N43°42'5.30315"	W106°17'52.05218"	1,333.886	VVA
3170_2019_WY	N43°41'38.66932"	W106°27'10.50816"	1,354.903	VVA
3171_2019_WY	N43°43'15.03573"	W106°39'39.66701"	1,429.251	VVA
3172_2019_WY	N43°46'3.74338"	W106°42'30.57111"	1,505.597	VVA
3172A_2019_WY	N43°46'6.94508"	W106°42'7.95724"	1,509.110	VVA
3172B_2019_WY	N43°45'52.5782"	W106°41'38.56742"	1,499.892	VVA
3173_2019_WY	N43°46'47.39842"	W106°43'20.96975"	1,511.910	VVA
3174_2019_WY	N43°48'2.07396"	W106°45'3.48589"	1,546.095	VVA
3175_2019_WY	N43°48'35.52808"	W106°45'40.89595"	1,548.129	VVA
3176_2019_WY	N43°49'55.3075"	W106°47'43.40578"	1,584.025	VVA
3177_2019_WY	N43°49'58.36641"	W106°53'20.38535"	2,038.271	VVA
3177A_2019_WY	N43°50'0.06081"	W106°53'20.5567"	2,036.976	VVA
3178_2019_WY	N43°50'45.90495"	W106°56'46.85472"	2,467.687	VVA
3178A_2019_WY	N43°50'54.75993"	W106°56'53.61666"	2,499.421	VVA
3179_2019_WY	N44°3'1.12665"	W107°1'14.2563"	2,541.695	VVA
3180_2019_WY	N44°12'53.37516"	W106°55'7.43036"	2,538.297	VVA
3181_2019_WY	N44°14'59.27532"	W106°54'29.77834"	2,426.954	VVA
3182_2019_WY	N44°16'5.78966"	W106°56'48.03449"	2,410.873	VVA
3183_2019_WY	N44°17'40.42986"	W106°56'47.63273"	2,333.403	VVA
3184_2019_WY	N44°16'53.91088"	W106°59'13.1723"	2,460.728	VVA
3185_2019_WY	N44°19'15.18599"	W106°54'23.70215"	2,098.326	VVA
3186_2019_WY	N44°20'21.89743"	W106°57'44.45432"	2,339.493	VVA
3187_2019_WY	N44°33'2.11557"	W106°53'2.88352"	1,552.997	VVA
3188_2019_WY	N44°31'14.25539"	W106°45'18.10636"	1,351.833	VVA
3189_2019_WY	N44°32'41.95934"	W107°13'2.92025"	2,517.289	VVA
3190_2019_WY	N44°21'59.00747"	W106°38'48.54116"	1,360.990	VVA
3191_2019_WY	N44°23'5.29675"	W106°38'27.41538"	1,346.742	VVA

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
3192_2019_WY	N44°25'8.39971"	W106°35'56.59731"	1,310.396	VVA
3193_2019_WY	N44°28'24.54386"	W106°33'49.01791"	1,278.797	VVA
3194_2019_WY	N44°29'32.05983"	W106°33'31.87083"	1,270.667	VVA
3195_2019_WY	N44°33'12.14826"	W106°32'39.14044"	1,238.404	VVA
3196_2019_WY	N44°32'17.85232"	W106°26'52.33671"	1,242.208	VVA
3197_2019_WY	N44°33'2.44525"	W106°26'25.38299"	1,229.537	VVA
3198_2019_WY	N44°25'29.05983"	W106°23'47.35827"	1,301.962	VVA
3199_2019_WY	N44°24'22.559"	W106°23'48.8043"	1,229.517	VVA
3200_2019_WY	N44°20'11.46891"	W106°38'3.39732"	1,393.876	VVA
3201_2019_WY	N44°18'27.19974"	W106°39'36.31203"	1,432.786	VVA
3202_2019_WY	N44°17'55.50228"	W106°41'28.33975"	1,461.086	VVA
3203_2019_WY	N44°23'1.41264"	W106°41'57.54963"	1,395.063	VVA
3204_2019_WY	N44°25'38.59546"	W106°47'54.35913"	1,485.580	VVA
3205_2019_WY	N44°25'14.66467"	W106°51'19.51451"	1,606.047	VVA
3206_2019_WY	N44°22'5.76587"	W106°44'35.28539"	1,484.085	VVA
3207_2019_WY	N44°11'13.50963"	W106°42'47.96788"	1,515.297	VVA
3208_2019_WY	N44°7'35.72827"	W106°42'43.56337"	1,463.305	VVA
3209_2019_WY	N44°4'49.31234"	W106°37'8.25662"	1,390.863	VVA
3210_2019_WY	N43°52'20.54683"	W106°37'41.91867"	1,532.766	VVA
3211_2019_WY	N43°46'7.66943"	W106°36'35.64465"	1,429.032	VVA
3212_2019_WY	N43°42'22.90947"	W106°34'8.20596"	1,386.064	VVA
3213_2019_WY	N43°38'49.7136"	W106°47'8.08043"	1,468.185	VVA
3214_2019_WY	N43°39'33.72415"	W106°52'21.99318"	1,534.842	VVA
3215_2019_WY	N43°39'28.00524"	W106°52'50.17667"	1,536.189	VVA
3216_2019_WY	N43°39'17.07158"	W106°54'31.95264"	1,551.391	VVA
3217_2019_WY	N43°36'56.05788"	W106°53'29.2234"	1,528.824	VVA
3218_2019_WY	N43°32'23.3478"	W106°28'39.51126"	1,496.065	VVA
3219_2019_WY	N43°29'44.59127"	W106°27'32.06343"	1,470.319	VVA
3220_2019_WY	N43°30'51.75664"	W106°40'10.44732"	1,488.165	VVA
3221_2019_WY	N43°37'11.59625"	W106°34'28.53931"	1,400.872	VVA
3222_2019_WY	N43°55'15.499"	W106°27'31.70741"	1,436.514	VVA
3223_2019_WY	N43°54'27.52179"	W106°20'37.36744"	1,341.126	VVA
3224_2019_WY	N43°52'45.66378"	W106°12'24.32415"	1,326.789	VVA

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
3224A_2019_WY	N43°52'44.91422"	W106°12'23.6985"	1,328.150	VVA
3225_2019_WY	N44°7'52.88227"	W106°12'43.95341"	1,346.513	VVA
3226_2019_WY	N44°8'32.86389"	W106°16'29.06465"	1,418.493	VVA
3227_2019_WY	N44°13'7.79375"	W106°1'19.82065"	1,248.370	VVA
3228_2019_WY	N44°13'15.40238"	W106°5'21.81503"	1,225.966	VVA
3229_2019_WY	N44°13'2.41364"	W106°9'25.52411"	1,190.898	VVA
3230_2019_WY	N44°12'7.20081"	W106°20'11.73248"	1,422.379	VVA
3231_2019_WY	N44°14'9.77302"	W106°23'36.9756"	1,368.286	VVA
3232_2019_WY	N44°15'48.89736"	W106°29'47.99037"	1,342.840	VVA
3233_2019_WY	N44°16'50.86143"	W106°32'51.74178"	1,373.376	VVA
3234_2019_WY	N43°59'39.35813"	W106°41'33.50326"	1,453.577	VVA
3235_2019_WY	N43°33'32.41138"	W106°2'56.15204"	1,507.760	VVA
3236_2019_WY	N43°33'7.04327"	W106°6'40.43214"	1,597.374	VVA
3237_2019_WY	N43°30'39.97324"	W106°9'48.32427"	1,645.633	VVA
3238_2019_WY	N43°29'13.84599"	W106°11'45.3672"	1,541.895	VVA
3239_2019_WY	N43°39'22.99961"	W106°12'9.68769"	1,429.162	VVA
3240_2019_WY	N43°39'20.83662"	W106°37'36.30953"	1,441.756	VVA
3241_2019_WY	N43°29'32.19742"	W107°6'53.87205"	2,464.079	VVA
3242_2019_WY	N43°53'48.78023"	W106°44'12.58757"	1,669.162	VVA
3243_2019_WY	N43°54'12.77134"	W107°1'11.88409"	2,394.883	VVA
3244_2019_WY	N44°0'44.30154"	W107°4'3.45539"	2,537.553	VVA
3245_2019_WY	N44°8'34.91112"	W106°58'37.33545"	2,528.342	VVA
3246_2019_WY	N44°8'59.34209"	W107°4'51.30197"	2,929.011	VVA
3247_2019_WY	N44°19'54.60283"	W106°47'31.09983"	1,635.458	VVA
3248_2019_WY	N44°20'14.03856"	W106°9'34.75335"	1,170.867	VVA
3249_2019_WY	N44°16'13.27768"	W106°8'59.62672"	1,197.878	VVA
3250_2019_WY	N44°33'28.10801"	W106°6'0.31922"	1,132.031	VVA
3251_2019_WY	N44°29'31.54661"	W106°7'35.59387"	1,136.576	VVA
3252_2019_MT	N45°14'48.50594"	W104°59'5.56613"	1,036.519	VVA
3253_2019_MT	N45°18'2.76715"	W104°57'15.53978"	1,145.874	VVA
3254_2019_WY	N44°28'49.42908"	W106°14'13.41758"	1,165.244	VVA
3255_2019_WY	N45°2'54.60014"	W105°1'1.20943"	1,197.132	VVA
3256_2019_WY	N45°2'55.47866"	W104°58'25.14126"	1,183.004	VVA

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
3257_2019_WY	N45°0'0.00858"	W105°1'33.30621"	1,212.076	VVA
3258_2019_WY	N44°55'46.88448"	W105°4'34.07358"	1,178.615	VVA
3259_2019_WY	N44°54'23.00649"	W104°13'9.47142"	1,033.831	VVA
3260_2019_SD	N44°48'31.87028"	W104°3'6.26935"	955.709	VVA
3261_2019_WY	N44°47'14.47236"	W104°8'30.02739"	951.312	VVA
3262_2019_WY	N44°48'49.40536"	W104°11'49.51536"	962.734	VVA
3263_2019_WY	N44°48'17.69404"	W104°16'15.27319"	1,064.697	VVA
3264_2019_WY	N44°47'27.33022"	W104°28'6.59781"	1,097.721	VVA
3265_2019_WY	N44°42'2.79552"	W104°35'2.78315"	1,126.270	VVA
3266_2019_WY	N44°44'4.45866"	W104°50'57.11804"	1,331.125	VVA
3267_2019_WY	N44°42'20.33552"	W104°54'1.46624"	1,202.639	VVA
3268_2019_WY	N44°41'27.22714"	W104°55'0.58735"	1,171.729	VVA
3269_2019_WY	N44°40'37.70379"	W104°55'42.27852"	1,208.061	VVA
3270_2019_WY	N44°41'55.19903"	W104°56'26.19514"	1,195.593	VVA
3271_2019_WY	N44°40'2.88645"	W105°0'51.0452"	1,234.694	VVA
3272_2019_WY	N44°40'16.28708"	W105°1'44.36776"	1,237.456	VVA
3273_2019_WY	N44°41'9.9184"	W105°3'56.08808"	1,217.986	VVA
3274_2019_WY	N44°41'12.41642"	W105°4'35.42285"	1,206.795	VVA
3275_2019_WY	N44°41'12.21336"	W105°5'7.26477"	1,210.135	VVA
3276_2019_WY	N44°38'27.54879"	W104°55'39.26313"	1,222.280	VVA
3277_2019_WY	N44°32'13.20772"	W104°57'22.26555"	1,300.915	VVA
3277A_2019_WY	N44°32'13.35882"	W104°57'22.56109"	1,301.060	VVA
3278_2019_WY	N44°30'30.11345"	W104°57'33.88495"	1,273.254	VVA
3278A_2019_WY	N44°25'57.77295"	W104°57'47.43822"	1,309.357	VVA
3279_2019_WY	N44°30'10.91789"	W104°41'36.26959"	1,260.831	VVA
3280_2019_WY	N44°29'12.18705"	W104°47'59.01798"	1,235.081	VVA
3281_2019_WY	N44°27'59.77633"	W104°48'19.92983"	1,320.631	VVA
3282_2019_WY	N44°26'54.01728"	W104°48'37.77211"	1,308.509	VVA
3283_2019_WY	N44°25'54.50669"	W104°50'24.49398"	1,292.085	VVA
3284_2019_WY	N44°25'5.46975"	W104°52'9.331"	1,253.193	VVA
3285_2019_WY	N44°22'39.93666"	W104°53'26.08474"	1,248.121	VVA
3286_2019_WY	N44°22'6.70186"	W104°53'44.61709"	1,243.090	VVA
3287_2019_WY	N44°21'11.2396"	W104°54'57.98476"	1,242.234	VVA

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
3288_2019_WY	N44°19'18.06926"	W104°54'50.09021"	1,251.571	VVA
3289_2019_WY	N44°18'47.16594"	W104°58'47.09979"	1,249.714	VVA
3290_2019_WY	N44°17'53.45844"	W104°58'55.62487"	1,252.837	VVA
3291_2019_WY	N44°16'52.01529"	W104°59'37.14133"	1,254.301	VVA
3292_2019_WY	N44°17'6.40526"	W105°3'21.24455"	1,284.531	VVA
3293_2019_WY	N44°17'0.57208"	W105°3'54.2027"	1,269.774	VVA
3294_2019_WY	N44°18'54.71913"	W104°36'46.43111"	1,288.131	VVA
3294A_2019_WY	N44°15'7.83406"	W104°27'39.13646"	1,384.911	VVA
3295_2019_WY	N44°17'28.19037"	W104°23'28.31699"	1,470.288	VVA
3295A_2019_WY	N44°18'56.0933"	W104°37'0.75791"	1,290.642	VVA
3296_2019_WY	N44°20'54.96242"	W104°28'12.71814"	1,454.475	VVA
3297_2019_WY	N44°23'31.48968"	W104°23'46.91109"	1,466.985	VVA
3298_2019_WY	N44°23'35.28897"	W104°24'15.34579"	1,482.407	VVA
3299_2019_WY	N44°24'55.19688"	W104°20'42.03929"	1,399.439	VVA
3300_2019_WY	N44°26'13.655"	W104°17'40.73636"	1,348.815	VVA
3301_2019_WY	N44°26'14.39831"	W104°17'55.37347"	1,348.364	VVA
3302_2019_WY	N44°27'39.12751"	W104°16'3.38924"	1,328.090	VVA
3303_2019_WY	N44°32'38.57829"	W104°5'59.70943"	1,065.710	VVA
3304_2019_WY	N44°32'43.08345"	W104°5'15.17809"	1,056.184	VVA
3305_2019_WY	N44°31'4.14744"	W104°3'20.92341"	1,125.339	VVA
3306_2019_WY	N44°30'54.06673"	W104°5'22.60285"	1,090.568	VVA
3307_2019_WY	N44°6'17.88959"	W104°37'37.17056"	1,283.808	VVA
3308_2019_WY	N44°6'25.19688"	W104°38'35.94726"	1,274.008	VVA
3309_2019_WY	N44°6'37.13656"	W104°41'52.47574"	1,310.469	VVA
3310_2019_WY	N43°59'33.82869"	W104°45'2.04757"	1,432.889	VVA
3311_2019_WY	N43°54'8.98477"	W104°46'54.01937"	1,344.494	VVA
3312_2019_WY	N43°41'37.95164"	W104°47'2.08715"	1,312.467	VVA
3313_2019_WY	N43°40'53.97754"	W104°52'51.88706"	1,303.679	VVA
3314_2019_WY	N43°34'53.30236"	W104°43'14.25509"	1,230.258	VVA
3315_2019_WY	N43°33'23.42429"	W104°45'52.57602"	1,329.463	VVA
3316_2019_WY	N43°30'0.66415"	W104°54'46.43921"	1,267.082	VVA
3317_2019_WY	N43°25'23.0859"	W104°11'41.3492"	1,120.751	VVA
3318_2019_WY	N43°23'23.63107"	W104°12'52.0049"	1,122.586	VVA

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
3319_2019_WY	N43°18'14.61007"	W104°3'20.93255"	1,166.471	VVA
3320_2019_WY	N43°18'14.13726"	W104°3'27.04081"	1,169.047	VVA
3320A_2019_WY	N43°20'36.97833"	W104°15'26.1039"	1,145.640	VVA
3321_2019_WY	N43°10'7.40929"	W104°19'54.81641"	1,227.128	VVA
3321A_2019_WY	N43°28'42.01306"	W104°12'5.48345"	1,117.204	VVA
3322_2019_WY	N43°10'35.25481"	W104°19'39.41131"	1,225.680	VVA
3323_2019_WY	N43°7'11.55826"	W104°21'11.76618"	1,234.226	VVA
3324_2019_WY	N42°50'0.61314"	W104°24'52.58169"	1,548.331	VVA
3324A_2019_WY	N43°5'3.24829"	W104°21'56.43759"	1,247.847	VVA
3325_2019_WY	N42°58'49.13346"	W104°21'44.61015"	1,325.252	VVA
3326_2019_WY	N43°17'4.72976"	W104°36'35.22602"	1,222.955	VVA
3327_2019_WY	N43°16'49.27502"	W104°45'11.89996"	1,273.036	VVA
3328_2019_WY	N43°17'51.57518"	W104°45'50.12328"	1,322.551	VVA
3329_2019_WY	N43°15'11.00862"	W104°53'29.23391"	1,349.848	VVA
3330_2019_WY	N43°11'54.80633"	W104°53'20.63251"	1,368.485	VVA
3331_2019_WY	N42°45'34.89027"	W104°51'14.16609"	1,564.966	VVA
3332_2019_WY	N42°45'55.74186"	W104°43'6.54131"	1,615.199	VVA
3333_2019_WY	N42°46'26.70866"	W104°37'4.62071"	1,587.087	VVA
3334_2019_WY	N42°33'3.98021"	W104°49'54.3743"	1,505.706	VVA
3336_2019_WY	N42°33'22.43754"	W104°57'41.36902"	1,427.569	VVA
3337_2019_WY	N42°33'29.05268"	W104°57'50.8102"	1,408.382	VVA
3338_2019_WY	N42°33'24.54593"	W104°56'24.12929"	1,401.354	VVA
3339_2019_WY	N42°35'1.39376"	W104°55'54.62727"	1,405.814	VVA
3340_2019_WY	N42°15'19.35587"	W104°39'6.12034"	1,307.969	VVA
3341_2019_WY	N41°49'36.05157"	W105°14'16.17031"	1,639.392	VVA
3342_2019_WY	N41°52'22.26896"	W105°12'48.65216"	1,591.698	VVA
3343_2019_WY	N41°38'53.41408"	W105°3'18.28137"	1,790.334	VVA
3344_2019_WY	N41°38'51.14171"	W105°3'7.46146"	1,782.441	VVA
3345_2019_WY	N41°38'55.65559"	W105°2'51.46762"	1,767.058	VVA
3346_2019_WY	N41°39'22.18095"	W105°2'16.01101"	1,742.202	VVA
3347_2019_WY	N41°39'31.30745"	W105°1'45.96243"	1,739.184	VVA
3348_2019_WY	N43°48'12.55198"	W104°21'56.43822"	1,173.053	VVA
3349_2019_WY	N43°43'27.52953"	W104°33'32.63327"	1,281.205	VVA

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
3350_2019_WY	N43°42'26.80726"	W104°33'34.8162"	1,299.637	VVA
3351_2019_WY	N43°35'51.72755"	W104°10'43.43305"	1,126.479	VVA
3352_2019_WY	N41°46'13.73136"	W104°56'27.03811"	1,682.198	VVA
3353_2019_WY	N41°45'21.10248"	W104°49'4.99408"	1,595.216	VVA
3354_2019_WY	N41°54'14.20086"	W104°55'1.37566"	1,530.218	VVA
3355_2019_WY	N41°58'50.38919"	W104°43'32.93086"	1,542.685	VVA
3356_2019_WY	N42°15'42.4207"	W105°14'26.7339"	1,662.923	VVA
3357_2019_WY	N42°34'51.85898"	W105°4'13.13196"	1,406.140	VVA
3358_2019_WY	N42°41'44.10259"	W104°36'54.68395"	1,662.014	VVA
3359_2019_WY	N42°44'39.35422"	W107°41'47.79551"	1,998.128	VVA
3360_2019_WY	N42°46'11.05302"	W107°40'41.20031"	1,941.655	VVA
3361_2019_WY	N42°47'20.44886"	W107°32'35.43468"	2,067.341	VVA
3362_2019_WY	N42°52'33.79385"	W107°43'9.28042"	1,775.850	VVA
3363_2019_WY	N42°54'45.77772"	W107°49'52.99812"	1,796.386	VVA
3364_2019_WY	N42°55'42.16869"	W107°51'8.40713"	1,723.543	VVA
3365_2019_WY	N42°57'46.18078"	W107°56'28.40412"	1,639.799	VVA
3366_2019_WY	N43°0'39.98039"	W108°2'17.15787"	1,623.744	VVA
3367_2019_WY	N42°43'36.11127"	W108°4'22.7245"	2,119.453	VVA
3368_2019_WY	N42°16'11.35292"	W108°50'3.81098"	2,368.450	VVA
3369_2019_WY	N42°15'23.99731"	W108°58'18.36991"	2,148.766	VVA
3370_2019_WY	N42°18'53.87598"	W109°29'44.45113"	2,060.998	VVA
3371_2019_WY	N42°16'17.48101"	W110°11'37.38888"	1,997.314	VVA
3372_2019_WY	N42°17'5.70502"	W110°10'10.37747"	2,005.963	VVA
3373_2019_WY	N42°17'59.81711"	W110°11'11.47223"	2,004.998	VVA
3374_2019_WY	N42°21'23.89409"	W110°17'28.30157"	2,265.519	VVA
3375_2019_WY	N42°22'7.97274"	W110°17'9.5444"	2,224.548	VVA
3376_2019_WY	N42°27'33.41067"	W110°4'41.1164"	2,028.835	VVA
3377_2019_WY	N42°31'6.06125"	W110°8'51.60027"	2,095.274	VVA
3378_2019_WY	N42°49'5.86401"	W109°33'44.09861"	2,484.204	VVA
3379_2019_WY	N42°45'28.23105"	W109°37'4.01341"	2,137.486	VVA
3380_2019_WY	N42°44'56.06446"	W109°42'55.30974"	2,127.739	VVA
3381_2019_WY	N42°41'7.01513"	W109°47'8.42154"	2,104.104	VVA
3382_2019_WY	N42°48'19.5235"	W109°49'6.79704"	2,153.602	VVA

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
3383_2019_WY	N42°50'17.76087"	W109°50'49.44884"	2,166.804	VVA
3384_2019_WY	N42°50'48.94798"	W109°50'55.16149"	2,167.590	VVA
3385_2019_WY	N42°51'20.06886"	W109°50'51.87877"	2,182.240	VVA
3386_2019_WY	N42°54'56.22303"	W109°58'43.4721"	2,214.855	VVA
3387_2019_WY	N43°1'15.8522"	W110°7'14.73897"	2,273.961	VVA
3388_2019_WY	N43°7'56.19361"	W110°12'4.54277"	2,405.403	VVA
3389_2019_WY	N43°11'55.15442"	W110°24'16.05947"	2,010.627	VVA
3390_2019_WY	N43°12'55.42776"	W110°24'48.87612"	1,993.883	VVA
3391_2019_WY	N43°16'19.44826"	W110°31'20.64905"	1,919.820	VVA

Geodetic Control

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
20 001.80	N45°32'56.24579"	W104°d01'05.05270"	954.960	AI3952
100_2019_WY	N41°44'28.44417"	W104°d53'06.85677"	1,640.416	TSM
101_2019_WY	N42°42'29.48839"	W104°d15'45.68479"	1,485.997	TSM
102_2019_WY	N42°15'52.60022"	W104°d43'09.66689"	1,320.356	TSM
103_2019_WY	N42°13'59.15673"	W105°d00'45.39075"	1,483.395	TSM
104_2019_WY	N41°54'05.35678"	W105°d09'30.97411"	1,572.345	TSM
105_2019_WY	N43°03'17.81886"	W104°d36'43.70578"	1,343.559	TSM
106_2019_WY	N43°13'45.41653"	W104°d37'19.75544"	1,211.348	TSM
107_2019_WY	N43°33'49.40147"	W104°d11'38.83272"	1,149.501	TSM
108_2019_WY	N43°48'00.87167"	W104°d39'32.58536"	1,296.673	TSM
109_2019_WY	N44°00'59.92877"	W104°d44'58.52994"	1,383.096	TSM
110_2019_WY	N44°00'38.65169"	W104°d30'36.88304"	1,243.413	TSM
112_2019_WY	N44°05'17.13199"	W104°d08'56.88078"	1,771.209	TSM
113_2019_WY	N44°12'39.98714"	W104°d16'20.03981"	1,561.044	TSM
114_2019_WY	N44°25'52.52761"	W104°d51'31.89078"	1,345.733	TSM
116_2019_WY	N44°29'42.16153"	W106°d10'52.06742"	1,158.122	TSM

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
118_2019_WY	N44°17'05.86608"	W106°d09'11.72113"	1,201.918	TSM
119_2019_WY	N44°12'52.09679"	W106°d20'56.42120"	1,413.161	TSM
120_2019_WY	N44°25'23.12216"	W106°d35'49.73280"	1,306.596	TSM
121_2019_WY	N44°25'49.99908"	W106°d44'59.53956"	1,503.133	TSM
122_2019_WY	N44°19'50.43738"	W106°d47'51.85625"	1,656.993	TSM
150_2019_WY	N43°35'03.46930"	W109°d47'32.34937"	2,414.401	TSM
151_2019_WY	N43°39'05.67389"	W109°d55'36.49706"	2,422.828	TSM
152_2019_WY	N43°38'31.72139"	W109°d26'06.81702"	2,480.675	TSM
153_2019_WY	N42°51'05.16071"	W110°d17'35.71393"	2,297.455	TSM
154_2019_WY	N42°42'49.18889"	W109°d42'52.80401"	2,108.735	TSM
155_2019_WY	N42°21'52.44113"	W110°d32'33.25466"	2,329.838	TSM
156_2019_WY	N42°36'29.28373"	W110°d28'45.97151"	2,463.210	TSM
157_2019_WY	N42°22'25.91591"	W109°d16'58.88248"	2,184.898	TSM
158_2019_WY	N42°30'42.18570"	W108°d46'36.97842"	2,596.127	TSM
159_2019_WY	N42°42'36.97614"	W108°d51'42.34349"	2,597.773	TSM
160_2019_WY	N44°08'22.53372"	W106°d56'14.08441"	2,476.913	TSM
161_2019_WY	N44°04'58.77541"	W106°d38'07.74233"	1,399.647	TSM
162_2019_WY	N43°49'55.57220"	W106°d47'33.28303"	1,581.414	TSM
163_2019_WY	N43°39'39.77825"	W106°d54'21.99618"	1,553.071	TSM
165_2019_WY	N43°51'44.03718"	W106°d20'43.44565"	1,410.263	TSM
170_2019_WY	N43°27'47.54244"	W109°d28'26.68662"	2,023.553	TSM
178_2019_WY	N42°36'10.76414"	W108°d36'53.19868"	2,124.599	TSM
179_2019_WY	N43°53'26.65896"	W108°d47'02.16647"	1,901.335	TSM
180_2019_WY	N42°30'12.30182"	W105°d02'01.31367"	1,432.663	TSM
181_2019_WY	N42°33'04.95400"	W104°d53'12.87263"	1,458.726	TSM
182_2019_WY	N43°02'50.10876"	W104°d22'17.77303"	1,277.794	TSM
183_2019_WY	N43°20'37.62539"	W104°d15'26.41241"	1,145.624	TSM
184_2019_WY	N44°39'19.76206"	W104°d19'51.24400"	1,416.543	TSM
185_2019_WY	N44°37'35.61712"	W104°d40'41.10017"	1,154.050	TSM
186_2019_WY	N44°40'02.00312"	W105°d00'49.67708"	1,236.691	TSM
187_2019_MT	N46°02'11.22256"	W104°d44'59.32129"	989.633	TSM
188_2019_MT	N45°46'17.60795"	W104°d36'36.66857"	1,014.242	TSM
189_2019_MT	N45°52'26.77699"	W104°d13'03.09619"	963.235	TSM

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
190_2019_MT	N45°33'59.82642"	W104°d10'19.40268"	1,049.073	TSM
191_2019_MT	N45°20'39.23027"	W104°d56'35.73737"	1,073.340	TSM
192_2019_WY	N43°39'41.21197"	W109°d00'30.75862"	2,681.002	TSM
193_2019_WY	N43°41'34.85112"	W107°d55'20.85532"	1,482.130	TSM
194_2019_WY	N43°27'03.53791"	W107°d45'31.28305"	1,746.785	TSM
195_2019_WY	N42°51'47.15748"	W107°d41'26.04962"	1,830.029	TSM
196_2019_WY	N42°59'11.45645"	W108°d07'03.28861"	1,629.966	TSM
197_2019_WY	N43°12'53.66405"	W108°d32'19.26078"	1,617.551	TSM
198_2019_WY	N43°14'08.72416"	W108°d07'20.78591"	1,455.019	TSM
199_2019_WY	N43°15'58.15321"	W109°d05'25.13645"	1,783.222	TSM
300_2019_WY	N42°38'23.67467"	W108°d20'42.52002"	1,709.186	TSM
301_2019_WY	N42°21'04.97917"	W107°d41'21.54266"	2,551.704	TSM
302_2019_WY	N42°19'27.31861"	W108°d14'06.23893"	2,119.786	TSM
500_2019_WY	N43°37'28.59443"	W106°d12'22.18792"	1,527.293	TSM
501_2019_WY	N43°36'41.88733"	W106°d32'47.31064"	1,442.264	TSM
502_2019_WY	N43°41'23.92773"	W106°d41'56.34804"	1,441.774	TSM
A 27	N43°17'25.37164"	W107°d43'46.83968"	1,582.094	OV0150
A 28	N42°28'38.65005"	W107°d47'50.59448"	1,918.514	NR0199
A 47	N43°30'39.26794"	W109°d34'14.50841"	2,082.836	OW0158
BM	N43°11'37.67902"	W108°d45'11.97689"	1,643.315	OW0094
CRMS 12	N44°16'22.02809"	W104°d50'12.76822"	1,268.762	PV0646
CRMS 60	N44°20'57.13024"	W104°d28'11.51768"	1,461.879	PV0655
D 60	N44°35'01.38180"	W104°d58'01.67789"	1,272.342	PV0159
D 105	N42°46'04.24769"	W104°d42'13.67460"	1,615.695	NQ0208
D 330	N43°39'24.95262"	W108°d12'50.57983"	1,381.162	OW0202
F 54	N42°45'36.18047"	W104°d27'03.20799"	1,520.563	NQ0056
F 92	N41°33'59.08880"	W104°d51'43.85900"	1,759.754	MO0301
G 50	N42°42'25.27990"	W110°d04'37.04206"	2,149.152	NT0020
G 206	N45°56'28.63181"	W104°d37'13.13228"	1,018.648	QU0081
G 336	N42°22'12.98426"	W107°d25'54.14790"	1,883.402	NR0297
H 39	N44°14'05.31276"	W106°d42'21.80817"	1,602.838	PW0099
HART	N42°50'16.18787"	W108°d43'02.35522"	1,626.906	AA2122
J 20	N42°21'41.67601"	W108°d55'45.40210"	2,275.826	NS0030

Point No.	Geodetic Coordinates NAD83 2011 2010.00 Epoch		Ellipsoid Height (m)	Description
	Latitude (N)	Longitude (W)		
J 28	N42°33'57.28918"	W108°d02'28.78805"	2,038.574	NS0007
J 40	N43°35'53.89768"	W106°d31'59.22057"	1,451.989	OV0071
J 120	N44°14'39.30277"	W104°d55'14.71168"	1,289.131	PV0120
K 28	N42°33'59.27229"	W108°d04'40.54458"	2,022.715	NS0008
K 370	N44°27'07.69853"	W104°d16'47.33306"	1,359.045	PV0630
KILPATRICK	N44°53'19.44861"	W104°d11'14.21004"	1,064.276	PV0452
L 45	N43°12'20.41535"	W110°d24'42.39940"	2,001.875	OX0054
L 49	N43°49'19.23845"	W108°d32'34.09736"	1,580.636	OW0104
L 50	N42°35'32.68235"	W110°d05'05.30355"	2,082.550	NT0477
N 218 RESET	N45°13'22.22353"	W104°d54'07.14302"	1,117.282	QU0061
N 331	N43°08'59.03025"	W107°d40'56.64411"	1,667.562	OV0225
P 43	N42°24'06.98114"	W109°d32'50.88513"	2,125.194	NS0107
PLGPS 1 RESET	N42°02'36.68337"	W104°d57'52.50125"	1,460.713	AA2118
Q 45	N43°15'07.28889"	W110°d30'05.33987"	1,933.942	OX0059
Q 209	N45°56'47.66590"	W104°d30'53.77360"	995.635	QU0084
Q 356	N43°32'38.28215"	W106°d07'39.46848"	1,608.065	OV0275
ROUTE 120 STA 636+00	N43°42'08.15631"	W108°d24'48.67281"	1,471.686	OW0037
S 42	N43°42'44.25338"	W109°d58'01.16138"	2,549.727	OW0138
SHERWIN	N43°32'18.73414"	W104°d53'58.95150"	1,367.138	AA2131
T 28	N42°34'08.15426"	W108°d16'29.30711"	2,029.276	NS0016
T 346	N44°54'27.54925"	W104°d13'49.05430"	1,041.594	AD9035
U 6	N43°50'24.42568"	W104°d10'24.58557"	1,309.941	OU0046
U 20	N42°36'05.21434"	W108°d37'25.89098"	2,031.569	NS0044
U 44	N42°55'33.86994"	W110°d04'52.35890"	2,237.338	NT0008
U 53	N43°00'15.16822"	W104°d21'53.36485"	1,322.842	NQ0039
V 50	N42°19'15.88382"	W110°d10'54.91193"	2,017.981	NT0037
V 125	N43°55'39.52060"	W104°d21'39.22475"	1,274.461	OU0067
W 39	N43°52'21.38440"	W106°d38'26.84935"	1,539.390	OV0060
W 99	N42°30'07.67043"	W105°d01'37.64649"	1,423.642	NQ0282
W BUTTE	N45°05'25.86862"	W105°d01'18.14686"	1,342.434	QU0323
Y 119	N43°18'23.17493"	W104°d04'26.12949"	1,187.770	OU0104
Y 209	N45°47'42.86663"	W104°d25'29.34061"	1,011.199	QU0006
Z 165	N42°01'25.50611"	W104°d58'56.14450"	1,473.257	NQ0190

Section 3: Ground/Geodetic Control Logs and Photos

This section contains the station recovery information sheets and photographs regarding the ground control positions established for the project. The stations appear as they are ordered in the final coordinate listing of Section 2.





The data is assembled on the following pages.

Section 3: Ground/Geodetic Control Logs and Photos

This section contains the station recovery information sheets and photographs regarding the ground control positions established for the project. The stations appear as they are ordered in the final coordinate listing of Section 2.
The data is assembled on the following pages.





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1001_2019_WY	Northing (m) 2390970.361	Easting (m) -1124203.769	Elevation (m) 2886.685
Point Type LCP	Latitude (Local) N43°45'37.63384"	Longitude (Local) W110°04'09.99203"	Ellipsoid Height (m) 2878.590
Location Photo  NORTH			
 1001_2019_WY, 3W, 20190829	 1001_2019_WY, 3S, 20190829		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1002_2019_WY	Northing (m) 2385713.168	Easting (m) -1119218.601	Elevation (m) 2644.795
Point Type LCP	Latitude (Local) N43°43'13.51683"	Longitude (Local) W109°59'53.99646"	Ellipsoid Height (m) 2636.698
Location Photo  NORTH			







1002_2019_WY, 3N, 20190829



1002_2019_WY, 3E, 20190829





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1003_2019_WY	Northing (m) 2376935.792	Easting (m) -1114897.619	Elevation (m) 2363.197
Point Type LCP	Latitude (Local) N43°38'53.79309"	Longitude (Local) W109°55'44.71037"	Ellipsoid Height (m) 2355.076
Location Photo  NORTH			
 <p>1003_2019_WY, 3W, 20190829</p>	 <p>1003_2019_WY, 3S, 20190829</p>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1004_2019_WY	Northing (m) 2373978.522	Easting (m) -1109689.775	Elevation (m) 2310.140
Point Type LCP	Latitude (Local) N43°37'43.88415"	Longitude (Local) W109°51'34.53264"	Ellipsoid Height (m) 2302.134
Location Photo  NORTH			





1004_2019_WY, 3W, 20190827



1004_2019_WY, 3S, 20190827







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1005_2019_WY	Northing (m) 2370149.477	Easting (m) -1104785.747	Elevation (m) 2228.266
Point Type LCP	Latitude (Local) N43°36'04.60214"	Longitude (Local) W109°47'32.31490"	Ellipsoid Height (m) 2220.280
Location Photo  NORTH			
 <p>1005_2019_WY, 3N, 20190827</p>		 <p>1005_2019_WY, 3E, 20190827</p>	




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1006_2019_WY	Northing (m) 2366415.865	Easting (m) -1100178.323	Elevation (m) 2193.761
Point Type LCP	Latitude (Local) N43°34'26.87071"	Longitude (Local) W109°43'44.04726"	Ellipsoid Height (m) 2185.759
Location Photo  NORTH			
 <p>1006_2019_WY, 3W, 20190827</p>	 <p>1006_2019_WY, 3N, 20190827</p>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1007_2019_WY	Northing (m) 2362716.268	Easting (m) -1095549.576	Elevation (m) 2131.308
Point Type LCP	Latitude (Local) N43°32'50.21872"	Longitude (Local) W109°39'55.23445"	Ellipsoid Height (m) 2123.266
Location Photo ↑ NORTH			





1007_2019_WY,3NE, 20190820



1007_2019_WY,3E, 20190820



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1008_2019_WY	Northing (m) 2358768.738	Easting (m) -1091094.816	Elevation (m) 2090.714
Point Type LCP	Latitude (Local) N43°31'04.74564"	Longitude (Local) W109°36'12.72209"	Ellipsoid Height (m) 2082.571
Location Photo <div style="text-align: center;">  NORTH </div>			







1008_2019_WY, 3W, 20190922



1008_2019_WY, 3E, 20190922





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1009_2019_WY	Northing (m) 2356217.166	Easting (m) -1086657.526	Elevation (m) 2044.193
Point Type LCP	Latitude (Local) N43°30'03.66004"	Longitude (Local) W109°32'40.03886"	Ellipsoid Height (m) 2035.904
Location Photo  NORTH			
 <p>1009_2019_WY,3N, 20190820</p>		 <p>1009_2019_WY,3E, 20190820</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1010_2019_WY	Northing (m) 2352014.427	Easting (m) -1082557.942	Elevation (m) 1988.830
Point Type LCP	Latitude (Local) N43°28'08.22365"	Longitude (Local) W109°29'11.96628"	Ellipsoid Height (m) 1980.423
Location Photo  NORTH			





1010_2019_WY, 3W, 20190820



1010_2019_WY, 3S, 20190820



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1011_2019_WY	Northing (m) 2345281.710	Easting (m) -1073832.083	Elevation (m) 1939.693
Point Type LCP	Latitude (Local) N43°25'12.88784"	Longitude (Local) W109°22'03.58968"	Ellipsoid Height (m) 1930.752
Location Photo  NORTH			







1011_2019_WY, 3N, 20190820



1011_2019_WY, 3E, 20190820







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1012_2019_WY	Northing (m) 2327235.424	Easting (m) -924069.619	Elevation (m) 2072.729
Point Type LCP	Latitude (Local) N43°26'05.88399"	Longitude (Local) W107°29'45.30006"	Ellipsoid Height (m) 2060.731
Location Photo  NORTH			
 <p style="text-align: center;">1012_2019_WY, 3W, 20190815</p>	 <p style="text-align: center;">1012_2019_WY, 3S, 20190815</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1012A_2019_WY	Northing (m) 2327299.109	Easting (m) -923948.850	Elevation (m) 2063.966
Point Type LCP	Latitude (Local) N43°26'08.39274"	Longitude (Local) W107°29'40.28723"	Ellipsoid Height (m) 2051.980
Location Photo  NORTH			
 <p>1012A_2019_WY, 3W, 20190815</p>		 <p>1012A_2019_WY, 3S, 20190815</p>	







GCP OBSERVATION LOG

Project Number 79935		Project Name WY FEMA East Lidar		Company Woolpert		Field Operator DM/EN/NP/SH/BW	
Coordinate System Albers Equal Area (ESPG 6350)		Hor. Datum NAD 1983 (Conus)		Ver. Datum NAVD88		Zone Albers Equal Area ESPG 6350	
Station ID 1013_2019_WY		Northing (m) 2331467.425		Easting (m) -930273.932		Elevation (m) 2030.242	
Point Type LCP		Latitude (Local) N43°27'57.12902"		Longitude (Local) W107°34'43.41323"		Ellipsoid Height (m) 2018.111	
Location Photo  NORTH							
							
1013_2019_WY, 3W, 20190815				1013_2019_WY, 3N, 20190815			







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1013A_2019_WY	Northing (m) 2331452.418	Easting (m) -930292.050	Elevation (m) 2029.539
Point Type LCP	Latitude (Local) N43°27'56.57761"	Longitude (Local) W107°34'44.13554"	Ellipsoid Height (m) 2017.406
Location Photo  NORTH			
 <p>1013A_2019_WY, 3W, 20190815</p>		 <p>1013A_2019_WY, 3N, 20190815</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1014_2019_WY	Northing (m) 2317111.646	Easting (m) -934183.967	Elevation (m) 1719.846
Point Type LCP	Latitude (Local) N43°20'02.29567"	Longitude (Local) W107°36'18.71515"	Ellipsoid Height (m) 1706.495
Location Photo  NORTH			
 <p>1014_2019_WY, 3N, 20190816</p>		 <p>1014_2019_WY, 3E, 20190816</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1015_2019_WY	Northing (m) 2370130.390	Easting (m) -1074662.460	Elevation (m) 2374.569
Point Type LCP	Latitude (Local) N43°38'22.65391"	Longitude (Local) W109°25'16.54131"	Ellipsoid Height (m) 2366.276
Location Photo  NORTH			
 <p style="text-align: center;">1015_2019_WY, 3W, 20190828</p>		 <p style="text-align: center;">1015_2019_WY, 3N, 20190828</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1016_2019_WY	Northing (m) 2330956.266	Easting (m) -944928.454	Elevation (m) 1752.793
Point Type LCP	Latitude (Local) N43°26'42.88468"	Longitude (Local) W107°45'30.59818"	Ellipsoid Height (m) 1740.014
Location Photo  NORTH			







1016_2019_WY, 3S, 20190814



1016_2019_WY, 3E, 20190814







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1017_2019_WY	Northing (m) 2336327.171	Easting (m) -951393.186	Elevation (m) 1960.523
Point Type LCP	Latitude (Local) N43°29'08.93906"	Longitude (Local) W107°50'47.06209"	Ellipsoid Height (m) 1947.905
Location Photo  NORTH			
 <p>1017_2019_WY, 3W, 20190814</p>		 <p>1017_2019_WY, 3N, 20190814</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1018_2019_WY	Northing (m) 2346969.030	Easting (m) -956145.878	Elevation (m) 1751.245
Point Type LCP	Latitude (Local) N43°34'30.38471"	Longitude (Local) W107°55'17.41493"	Ellipsoid Height (m) 1738.611
Location Photo  NORTH			
 <p>1018_2019_WY, 3S, 20190814</p>		 <p>1018_2019_WY, 3E, 20190814</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1018A_2019_WY	Northing (m) 2346873.598	Easting (m) -956104.578	Elevation (m) 1754.583
Point Type LCP	Latitude (Local) N43°34'27.49724"	Longitude (Local) W107°55'15.04602"	Ellipsoid Height (m) 1741.950
Location Photo  NORTH			
 <p>1018A_2019_WY, 3W, 20190814</p>		 <p>1018A_2019_WY, 3S, 20190814</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1019_2019_WY	Northing (m) 2350632.304	Easting (m) -961835.808	Elevation (m) 1557.651
Point Type LCP	Latitude (Local) N43°36'04.58140"	Longitude (Local) W107°59'50.76474"	Ellipsoid Height (m) 1544.890
Location Photo  NORTH			
 <p style="text-align: center;">1019_2019_WY, 3N, 20190805</p>	 <p style="text-align: center;">1019_2019_WY, 3E, 20190805</p>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1020_2019_WY	Northing (m) 2349551.083	Easting (m) -968702.727	Elevation (m) 1501.921
Point Type LCP	Latitude (Local) N43°35'01.99661"	Longitude (Local) W108°04'49.68168"	Ellipsoid Height (m) 1489.058
Location Photo  NORTH			







1020_2019_WY, 3W, 20190805



1020_2019_WY, 3N, 20190805





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1021_2019_WY	Northing (m) 2351670.582	Easting (m) -975618.326	Elevation (m) 1365.982
Point Type LCP	Latitude (Local) N43°35'41.42633"	Longitude (Local) W108°10'08.90400"	Ellipsoid Height (m) 1353.011
Location Photo  NORTH			
 <p>1021_2019_WY, 3N, 20190805</p>		 <p>1021_2019_WY, 3E, 20190805</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1022_2019_WY	Northing (m) 2357834.740	Easting (m) -981830.711	Elevation (m) 1433.164
Point Type LCP	Latitude (Local) N43°38'32.95538"	Longitude (Local) W108°15'20.29112"	Ellipsoid Height (m) 1420.225
Location Photo  NORTH			





1022_2019_WY, 3S, 20190806



1022_2019_WY, 3E, 20190806



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1023_2019_WY	Northing (m) 2364927.639	Easting (m) -987723.244	Elevation (m) 1438.420
Point Type LCP	Latitude (Local) N43°41'55.34343"	Longitude (Local) W108°20'23.28218"	Ellipsoid Height (m) 1425.558
Location Photo <div style="text-align: center;">  NORTH </div>			





1023_2019_WY, 3N, 20190806



1023_2019_WY, 3E, 20190806



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1024_2019_WY	Northing (m) 2372327.084	Easting (m) -994873.775	Elevation (m) 1568.858
Point Type LCP	Latitude (Local) N43°45'22.07058"	Longitude (Local) W108°26'24.55126"	Ellipsoid Height (m) 1556.215
Location Photo  NORTH			







1024_2019_MT,3N, 20190806



1024_2019_MT,3E, 20190806







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1025_2019_WY	Northing (m) 2371103.331	Easting (m) -1002626.671	Elevation (m) 1618.797
Point Type LCP	Latitude (Local) N43°44'10.14855"	Longitude (Local) W108°32'02.30823"	Ellipsoid Height (m) 1606.524
Location Photo  NORTH			
 <p>1025_2019_WY, 3N, 20190806</p>		 <p>1025_2019_WY, 3E, 20190806</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1026_2019_WY	Northing (m) 2378605.383	Easting (m) -1008126.472	Elevation (m) 1683.559
Point Type LCP	Latitude (Local) N43°47'46.69575"	Longitude (Local) W108°36'51.48771"	Ellipsoid Height (m) 1671.550
Location Photo  NORTH			
 <p>1026_2019_WY, 3W, 20190806</p>		 <p>1026_2019_WY, 3S, 20190806</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1027_2019_WY	Northing (m) 2374860.312	Easting (m) -1014771.525	Elevation (m) 1784.169
Point Type LCP	Latitude (Local) N43°45'18.45388"	Longitude (Local) W108°41'24.88750"	Ellipsoid Height (m) 1772.594
Location Photo  NORTH			
 <p>1027_2019_WY, 3N, 20190806</p>		 <p>1027_2019_WY, 3E, 20190806</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1028_2019_WY	Northing (m) 2374880.696	Easting (m) -1021060.420	Elevation (m) 1888.822
Point Type LCP	Latitude (Local) N43°44'52.00646"	Longitude (Local) W108°46'04.75075"	Ellipsoid Height (m) 1877.687
Location Photo  NORTH			
 <p>1028_2019_WY, 3W, 20190807</p>		 <p>1028_2019_WY, 3N, 20190807</p>	




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1029_2019_WY	Northing (m) 2370982.094	Easting (m) -1027705.553	Elevation (m) 1962.235
Point Type LCP	Latitude (Local) N43°42'18.55166"	Longitude (Local) W108°50'36.69844"	Ellipsoid Height (m) 1951.598
Location Photo  NORTH			
 <p>1029_2019_WY, 3S, 20190813</p>		 <p>1029_2019_WY, 3E, 20190813</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1030_2019_WY	Northing (m) 2370790.994	Easting (m) -1035709.900	Elevation (m) 2158.871
Point Type LCP	Latitude (Local) N43°41'37.51399"	Longitude (Local) W108°56'31.23279"	Ellipsoid Height (m) 2148.840
Location Photo ↑ NORTH			




1030_2019_WY, 3S, 20190813



1030_2019_WY, 3E, 20190813



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1031_2019_WY	Northing (m) 2390129.767	Easting (m) -1038556.145	Elevation (m) 2599.624
Point Type LCP	Latitude (Local) N43°51'43.24047"	Longitude (Local) W109°00'36.03876"	Ellipsoid Height (m) 2590.114
Location Photo ↑ NORTH			





1031_2019_WY,3N, 20190808



1031_2019_WY,3E, 20190808



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1032A_2019_WY	Northing (m) 2369100.945	Easting (m) -1043472.936	Elevation (m) 2654.236
Point Type LCP	Latitude (Local) N43°40'09.37206"	Longitude (Local) W109°02'05.74035"	Ellipsoid Height (m) 2644.734
Location Photo  NORTH			







1032A_2019_WY, 3W, 20190813



1032A_2019_WY, 3N, 20190813







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1033_2019_WY	Northing (m) 2344444.564	Easting (m) -1174364.893	Elevation (m) 1891.725
Point Type LCP	Latitude (Local) N43°16'50.92255"	Longitude (Local) W110°35'55.62863"	Ellipsoid Height (m) 1881.544
Location Photo  NORTH			
 <p>1033_2019_WY, 3N, 20190830</p>		 <p>1033_2019_WY, 3E, 20190830</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1034_2019_WY	Northing (m) 2342506.002	Easting (m) -1168533.304	Elevation (m) 1931.002
Point Type LCP	Latitude (Local) N43°16'17.85012"	Longitude (Local) W110°31'25.55099"	Ellipsoid Height (m) 1920.777
Location Photo  NORTH			
 <p>1034_2019_WY, 3W, 20190830</p>		 <p>1034_2019_WY, 3S, 20190830</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1035_2019_WY	Northing (m) 2337392.248	Easting (m) -1162569.480	Elevation (m) 1979.974
Point Type LCP	Latitude (Local) N43°14'04.08516"	Longitude (Local) W110°26'28.30080"	Ellipsoid Height (m) 1969.575
Location Photo  NORTH			





1035_2019_WY, 3W, 20190830



1035_2019_WY, 3S, 20190830



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1036_2019_WY	Northing (m) 2327114.091	Easting (m) -1155650.923	Elevation (m) 2107.990
Point Type LCP	Latitude (Local) N43°09'10.18969"	Longitude (Local) W110°20'14.78973"	Ellipsoid Height (m) 2097.290
Location Photo  NORTH			







1036_2019_WY, 3W, 20190830



1036_2019_WY, 3N, 20190830





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1037_2019_WY	Northing (m) 2325997.138	Easting (m) -1150508.188	Elevation (m) 2187.116
Point Type LCP	Latitude (Local) N43°08'59.45175"	Longitude (Local) W110°16'21.11024"	Ellipsoid Height (m) 2176.432
Location Photo  NORTH			
 <p>1037_2019_WY, 3N, 20190830</p>		 <p>1037_2019_WY, 3E, 20190830</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1038_2019_WY	Northing (m) 2323339.086	Easting (m) -1145413.627	Elevation (m) 2402.014
Point Type LCP	Latitude (Local) N43°07'59.24644"	Longitude (Local) W110°12'19.35989"	Ellipsoid Height (m) 2391.360
Location Photo  NORTH			







1038_2019_WY, 3N, 20190830



1038_2019_WY, 3E, 20190830







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1039_2019_WY	Northing (m) 2311409.809	Easting (m) -1141013.845	Elevation (m) 2299.864
Point Type LCP	Latitude (Local) N43°02'00.08920"	Longitude (Local) W110°07'47.20793"	Ellipsoid Height (m) 2288.818
Location Photo  NORTH			
 <p>1039_2019_WY, 3W, 20190831</p>		 <p>1039_2019_WY, 3S, 20190831</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1040_2019_WY	Northing (m) 2304734.766	Easting (m) -1135244.583	Elevation (m) 2279.349
Point Type LCP	Latitude (Local) N42°58'54.79743"	Longitude (Local) W110°02'50.08608"	Ellipsoid Height (m) 2268.181
Location Photo  NORTH			
 <p>1040_2019_WY, 3W, 20190831</p>		 <p>1040_2019_WY, 3S, 20190831</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1041_2019_WY	Northing (m) 2292266.253	Easting (m) -1130094.834	Elevation (m) 2208.730
Point Type LCP	Latitude (Local) N42°52'41.74851"	Longitude (Local) W109°57'42.97354"	Ellipsoid Height (m) 2197.195
Location Photo  NORTH			
 <p>1041_2019_WY, 3W, 20190831</p>		 <p>1041_2019_WY, 3N, 20190831</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1042_2019_WY	Northing (m) 2290172.287	Easting (m) -1124702.749	Elevation (m) 2189.363
Point Type LCP	Latitude (Local) N42°52'00.37405"	Longitude (Local) W109°53'33.04405"	Ellipsoid Height (m) 2177.832
Location Photo  NORTH			







1042_2019_WY, 3N, 20190831



1042_2019_WY, 3E, 20190831







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1043_2019_WY	Northing (m) 2283125.648	Easting (m) -1120454.199	Elevation (m) 2167.059
Point Type LCP	Latitude (Local) N42°48'35.64726"	Longitude (Local) W109°49'41.50930"	Ellipsoid Height (m) 2155.263
Location Photo  NORTH			
 <p>1043_2019_WY, 3W, 20190905</p>		 <p>1043_2019_WY, 3N, 20190905</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1044_2019_WY	Northing (m) 2279548.393	Easting (m) -1116081.923	Elevation (m) 2148.381
Point Type LCP	Latitude (Local) N42°47'01.99444"	Longitude (Local) W109°46'07.09724"	Ellipsoid Height (m) 2136.585
Location Photo  NORTH			
 <p>1044_2019_WY, 3W, 20190905</p>	 <p>1044_2019_WY, 3N, 20190905</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1045_2019_WY	Northing (m) 2285062.606	Easting (m) -1110578.113	Elevation (m) 2251.306
Point Type LCP	Latitude (Local) N42°50'23.33941"	Longitude (Local) W109°42'41.13692"	Ellipsoid Height (m) 2240.322
Location Photo  NORTH			
 <p>1045_2019_WY, 3S, 20190914</p>	 <p>1045_2019_WY, 3E, 20190914</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1046_2019_WY	Northing (m) 2277487.282	Easting (m) -1107476.970	Elevation (m) 2193.840
Point Type LCP	Latitude (Local) N42°46'36.15151"	Longitude (Local) W109°39'37.13292"	Ellipsoid Height (m) 2182.567
Location Photo  NORTH			
 <p>1046_2019_WY, 3W, 20190905</p>		 <p>1046_2019_WY, 3N, 20190905</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1047_2019_WY	Northing (m) 2278929.355	Easting (m) -1102988.659	Elevation (m) 2211.514
Point Type LCP	Latitude (Local) N42°47'42.80529"	Longitude (Local) W109°36'29.65613"	Ellipsoid Height (m) 2200.790
Location Photo  NORTH			
 <p>1047_2019_WY, 3W, 20190905</p>		 <p>1047_2019_WY, 3S, 20190905</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1048_2019_WY	Northing (m) 2281066.323	Easting (m) -1098209.718	Elevation (m) 2496.328
Point Type LCP	Latitude (Local) N42°49'12.87727"	Longitude (Local) W109°33'13.71499"	Ellipsoid Height (m) 2486.320
Location Photo  NORTH			







1048_2019_WY, 3W, 20190905



1048_2019_WY, 3S, 20190905







GCP OBSERVATION LOG

Project Number 79935		Project Name WY FEMA East Lidar		Company Woolpert		Field Operator DM/EN/NP/SH/BW	
Coordinate System Albers Equal Area (ESPG 6350)		Hor. Datum NAD 1983 (Conus)		Ver. Datum NAVD88		Zone Albers Equal Area ESPG 6350	
Station ID 1049_2019_WY		Northing (m) 2349623.078		Easting (m) -1081712.456		Elevation (m) 1975.556	
Point Type LCP		Latitude (Local) N43°26'55.73104"		Longitude (Local) W109°28'19.45079"		Ellipsoid Height (m) 1967.146	
Location Photo  NORTH							
 <p>1049_2019_WY, 3W, 20190820</p>				 <p>1049_2019_WY, 3S, 20190820</p>			







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1050_2019_WY	Northing (m) 2261560.870	Easting (m) -931438.491	Elevation (m) 2098.520
Point Type LCP	Latitude (Local) N42°50'35.78035"	Longitude (Local) W107°29'18.27624"	Ellipsoid Height (m) 2085.930
Location Photo  NORTH			
 <p>1050_2019_WY, 3W, 20190817</p>		 <p>1050_2019_WY, 3S, 20190817</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1051_2019_WY	Northing (m) 2261224.011	Easting (m) -938896.238	Elevation (m) 2003.690
Point Type LCP	Latitude (Local) N42°49'55.91776"	Longitude (Local) W107°34'44.35111"	Ellipsoid Height (m) 1990.984
Location Photo  NORTH			
			
<small>1051_2019_WY, 3W, 20190817</small>	<small>1051_2019_WY, 3N, 20190817</small>		




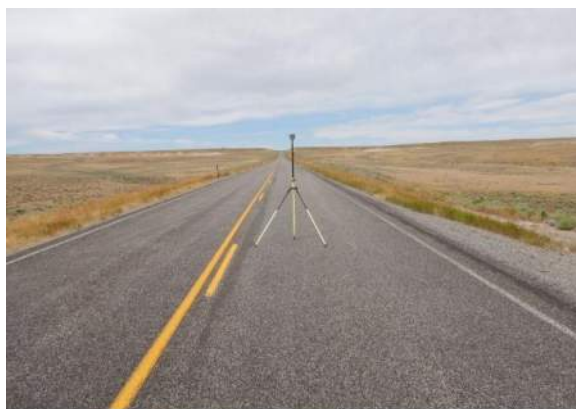
GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1052_2019_WY	Northing (m) 2263052.114	Easting (m) -946146.596	Elevation (m) 1886.462
Point Type LCP	Latitude (Local) N42°50'25.87346"	Longitude (Local) W107°40'12.95000"	Ellipsoid Height (m) 1873.518
Location Photo  NORTH			
 <p>1052_2019_WY, 3W, 20190817</p>		 <p>1052_2019_WY, 3S, 20190817</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1053_2019_WY	Northing (m) 2269309.297	Easting (m) -953210.507	Elevation (m) 1809.549
Point Type LCP	Latitude (Local) N42°53'17.95314"	Longitude (Local) W107°45'57.66108"	Ellipsoid Height (m) 1796.171
Location Photo ↑ NORTH			







1053_2019_WY, 3W, 20190817



1053_2019_WY, 3N, 20190817







GCP OBSERVATION LOG

Project Number 79935		Project Name WY FEMA East Lidar		Company Woolpert		Field Operator DM/EN/NP/SH/BW	
Coordinate System Albers Equal Area (ESPG 6350)		Hor. Datum NAD 1983 (Conus)		Ver. Datum NAVD88		Zone Albers Equal Area ESPG 6350	
Station ID 1054_2019_WY		Northing (m) 2302014.799		Easting (m) -955826.224		Elevation (m) 1605.918	
Point Type LCP		Latitude (Local) N43°10'33.40731"		Longitude (Local) W107°50'52.95881"		Ellipsoid Height (m) 1591.584	
Location Photo  NORTH							
 <p>1054_2019_WY, 3W, 20190816</p>				 <p>1054_2019_WY, 3N, 20190816</p>			




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1055_2019_WY	Northing (m) 2306969.116	Easting (m) -962830.146	Elevation (m) 1551.177
Point Type LCP	Latitude (Local) N43°12'43.67949"	Longitude (Local) W107°56'29.87206"	Ellipsoid Height (m) 1536.792
Location Photo  NORTH			
 <p>1055_2019_WY, 3W, 20190816</p>		 <p>1055_2019_WY, 3S, 20190816</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1056_2019_WY	Northing (m) 2309172.450	Easting (m) -970255.207	Elevation (m) 1504.006
Point Type LCP	Latitude (Local) N43°13'24.02757"	Longitude (Local) W108°02'10.27093"	Ellipsoid Height (m) 1489.558
Location Photo ↑ NORTH			




1056_2019_WY, 3W, 20190818



1056_2019_WY, 3S, 20190818



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1057_2019_WY	Northing (m) 2311212.933	Easting (m) -977613.818	Elevation (m) 1455.183
Point Type LCP	Latitude (Local) N43°13'59.19659"	Longitude (Local) W108°07'46.92089"	Ellipsoid Height (m) 1440.698
Location Photo ↑ NORTH			





1057_2019_WY, 3W, 20190818



1057_2019_WY, 3S, 20190818



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1058_2019_WY	Northing (m) 2308097.445	Easting (m) -986722.870	Elevation (m) 1480.233
Point Type LCP	Latitude (Local) N43°11'42.04427"	Longitude (Local) W108°14'11.51046"	Ellipsoid Height (m) 1465.718
Location Photo  NORTH			







1058_2019_WY, 3W, 20190818



1058_2019_WY, 3N, 20190818




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1059_2019_WY	Northing (m) 2308278.125	Easting (m) -995562.256	Elevation (m) 1515.513
Point Type LCP	Latitude (Local) N43°11'11.07001"	Longitude (Local) W108°20'42.77499"	Ellipsoid Height (m) 1501.171
Location Photo  NORTH			
 <p>1059_2019_WY, 3W, 20190818</p>		 <p>1059_2019_WY, 3S, 20190818</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1060_2019_WY	Northing (m) 2310988.148	Easting (m) -1003698.752	Elevation (m) 1575.523
Point Type LCP	Latitude (Local) N43°12'03.56894"	Longitude (Local) W108°26'57.62968"	Ellipsoid Height (m) 1561.462
Location Photo ↑ NORTH			





1060_2019_WY, 3S, 20190818



1060_2019_WY, 3E, 20190818



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1061_2019_WY	Northing (m) 2313656.057	Easting (m) -1012152.653	Elevation (m) 1618.902
Point Type LCP	Latitude (Local) N43°12'53.07793"	Longitude (Local) W108°33'26.40794"	Ellipsoid Height (m) 1605.226
Location Photo  NORTH			







1061_2019_WY, 3W, 20190818



1061_2019_WY, 3N, 20190818







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1062_2019_WY	Northing (m) 2314805.918	Easting (m) -1020905.066	Elevation (m) 1629.624
Point Type LCP	Latitude (Local) N43°12'52.48528"	Longitude (Local) W108°39'59.53394"	Ellipsoid Height (m) 1616.434
Location Photo  NORTH			
 <p>1062_2019_WY, 3W, 20190818</p>		 <p>1062_2019_WY, 3N, 20190818</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1063_2019_WY	Northing (m) 2314072.660	Easting (m) -1029446.742	Elevation (m) 1678.902
Point Type LCP	Latitude (Local) N43°11'52.31805"	Longitude (Local) W108°46'12.12224"	Ellipsoid Height (m) 1666.265
Location Photo  NORTH			
 <p>1063_2019_WY, 3W, 20190818</p>		 <p>1063_2019_WY, 3S, 20190818</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1064_2019_WY	Northing (m) 2317959.422	Easting (m) -1036162.158	Elevation (m) 1672.925
Point Type LCP	Latitude (Local) N43°13'27.37517"	Longitude (Local) W108°51'31.72264"	Ellipsoid Height (m) 1660.828
Location Photo  NORTH			
 <p>1064_2019_WY, 3S, 20190819</p>		 <p>1064_2019_WY, 3E, 20190819</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1065_2019_WY	Northing (m) 2317665.866	Easting (m) -1042559.440	Elevation (m) 1732.002
Point Type LCP	Latitude (Local) N43°12'50.09516"	Longitude (Local) W108°56'12.24681"	Ellipsoid Height (m) 1720.386
Location Photo  NORTH			
 <p>1065_2019_WY, 3W, 20190819</p>		 <p>1065_2019_WY, 3S, 20190819</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1066_2019_WY	Northing (m) 2319140.642	Easting (m) -1047336.249	Elevation (m) 1737.952
Point Type LCP	Latitude (Local) N43°13'16.24904"	Longitude (Local) W108°59'51.94168"	Ellipsoid Height (m) 1726.727
Location Photo  NORTH			
 <p>1066_2019_WY, 3W, 20190819</p>		 <p>1066_2019_WY, 3S, 20190819</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1067_2019_WY	Northing (m) 2322722.733	Easting (m) -1051956.661	Elevation (m) 1792.580
Point Type LCP	Latitude (Local) N43°14'50.28764"	Longitude (Local) W109°03'37.64158"	Ellipsoid Height (m) 1781.776
Location Photo  NORTH			
 1067_2019_WY, 3W, 20190819	 1067_2019_WY, 3S, 20190819		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1068_2019_WY	Northing (m) 2326528.183	Easting (m) -1056394.136	Elevation (m) 1819.529
Point Type LCP	Latitude (Local) N43°16'32.16683"	Longitude (Local) W109°07'16.80691"	Ellipsoid Height (m) 1809.135
Location Photo  NORTH			
 <p>1068_2019_WY, 3W, 20190819</p>		 <p>1068_2019_WY, 3S, 20190819</p>	




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1069_2019_WY	Northing (m) 2329797.883	Easting (m) -1060195.646	Elevation (m) 1844.494
Point Type LCP	Latitude (Local) N43°17'59.67563"	Longitude (Local) W109°10'24.76503"	Ellipsoid Height (m) 1834.435
Location Photo  NORTH			
			
<small>1069_2019_WY, 3N, 20190819</small>	<small>1069_2019_WY, 3E, 20190819</small>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1070_2019_WY	Northing (m) 2333391.581	Easting (m) -1063897.521	Elevation (m) 1875.708
Point Type LCP	Latitude (Local) N43°19'37.90455"	Longitude (Local) W109°13'30.45955"	Ellipsoid Height (m) 1865.975
Location Photo ↑ NORTH			





1070_2019_WY, 3N, 20190819



1070_2019_WY, 3E, 20190819



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1071_2019_WY	Northing (m) 2338474.642	Easting (m) -1067286.868	Elevation (m) 1866.839
Point Type LCP	Latitude (Local) N43°22'05.02481"	Longitude (Local) W109°16'31.74524"	Ellipsoid Height (m) 1857.389
Location Photo  NORTH			




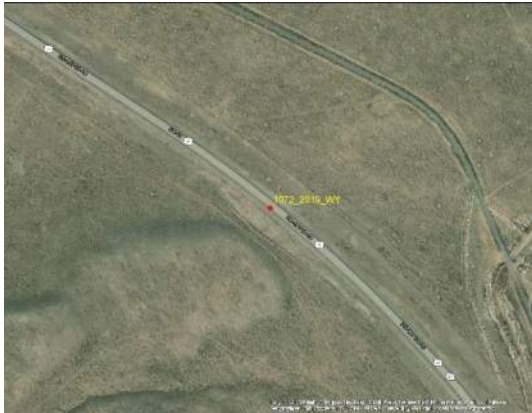
1071_2019_WY, 3W, 20190819



1071_2019_WY, 3S, 20190819



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1072_2019_WY	Northing (m) 2342513.972	Easting (m) -1070863.085	Elevation (m) 1986.242
Point Type LCP	Latitude (Local) N43°23'57.91637"	Longitude (Local) W109°19'34.99538"	Ellipsoid Height (m) 1977.087
Location Photo  NORTH			





1072_2019_WY, 3N, 20190820



1072_2019_WY, 3E, 20190820



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1073_2019_WY	Northing (m) 2345413.603	Easting (m) -1074587.810	Elevation (m) 1960.012
Point Type LCP	Latitude (Local) N43°25'13.68110"	Longitude (Local) W109°22'37.83858"	Ellipsoid Height (m) 1951.128
Location Photo  NORTH			







1073_2019_WY, 3N, 20190820



1073_2019_WY, 3E, 20190820







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1074_2019_WY	Northing (m) 2345195.249	Easting (m) -1078888.232	Elevation (m) 1934.285
Point Type LCP	Latitude (Local) N43°24'47.21507"	Longitude (Local) W109°25'46.63840"	Ellipsoid Height (m) 1925.754
Location Photo  NORTH			
 <p>1074_2019_WY, 3W, 20190820</p>		 <p>1074_2019_WY, 3S, 20190820</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1075_2019_WY	Northing (m) 2254754.323	Easting (m) -1188774.215	Elevation (m) 2461.230
Point Type LCP	Latitude (Local) N42°28'04.06802"	Longitude (Local) W110°36'18.35014"	Ellipsoid Height (m) 2449.916
Location Photo  NORTH			
 <p>1075_2019_WY, 3N, 20190912</p>		 <p>1075_2019_WY, 3E, 20190912</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1076_2019_WY	Northing (m) 2239601.318	Easting (m) -1184775.721	Elevation (m) 2308.156
Point Type LCP	Latitude (Local) N42°20'21.54027"	Longitude (Local) W110°31'42.59094"	Ellipsoid Height (m) 2296.421
Location Photo  NORTH			







1076_2019_WY, 3W, 20190912



1076_2019_WY, 3N, 20190912




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1077_2019_WY	Northing (m) 2234293.701	Easting (m) -1178877.154	Elevation (m) 2239.051
Point Type LCP	Latitude (Local) N42°18'01.48242"	Longitude (Local) W110°26'50.85448"	Ellipsoid Height (m) 2227.049
Location Photo  NORTH			
 1077_2019_WY, 3W, 20190912	 1077_2019_WY, 3N, 20190912		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1078_2019_WY	Northing (m) 2228452.804	Easting (m) -1172412.559	Elevation (m) 2151.976
Point Type LCP	Latitude (Local) N42°15'27.02101"	Longitude (Local) W110°21'31.33904"	Ellipsoid Height (m) 2139.452
Location Photo ↑ NORTH			




1078_2019_WY, 3SW, 20190904



1078_2019_WY, 3SE, 20190904



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1078A_2019_WY	Northing (m) 2228446.411	Easting (m) -1172382.665	Elevation (m) 2151.991
Point Type LCP	Latitude (Local) N42°15'26.96241"	Longitude (Local) W110°21'29.99871"	Ellipsoid Height (m) 2139.465
Location Photo ↑ NORTH			







1078A_2019_WY, 3SW, 20190904



1078A_2019_WY, 3SE, 20190904





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1079_2019_WY	Northing (m) 2231878.519	Easting (m) -1163675.666	Elevation (m) 2103.589
Point Type LCP	Latitude (Local) N42°17'58.24938"	Longitude (Local) W110°15'34.39989"	Ellipsoid Height (m) 2090.777
Location Photo  NORTH			
 <p>1079_2019_WY, 3N, 20190904</p>		 <p>1079_2019_WY, 3E, 20190904</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1080_2019_WY	Northing (m) 2237547.352	Easting (m) -1154046.522	Elevation (m) 2039.272
Point Type LCP	Latitude (Local) N42°21'44.89686"	Longitude (Local) W110°09'12.86428"	Ellipsoid Height (m) 2026.225
Location Photo  NORTH			





1080_2019_WY, 3S, 20190904



1080_2019_WY, 3E, 20190904



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1081_2019_WY	Northing (m) 2260151.148	Easting (m) -1141479.382	Elevation (m) 2106.123
Point Type LCP	Latitude (Local) N42°34'44.59181"	Longitude (Local) W110°02'32.46641"	Ellipsoid Height (m) 2093.305
Location Photo  NORTH			







1081_2019_WY, 3W, 20190903



1081_2019_WY, 3N, 20190903







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1082_2019_WY	Northing (m) 2258545.485	Easting (m) -1132662.919	Elevation (m) 2089.281
Point Type LCP	Latitude (Local) N42°34'35.08032"	Longitude (Local) W109°55'57.25598"	Ellipsoid Height (m) 2076.252
Location Photo  NORTH			
 <p>1082_2019_WY, 3S, 20190903</p>		 <p>1082_2019_WY, 3E, 20190903</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1083_2019_WY	Northing (m) 2260008.532	Easting (m) -1123441.896	Elevation (m) 2106.349
Point Type LCP	Latitude (Local) N42°36'04.91327"	Longitude (Local) W109°49'24.04002"	Ellipsoid Height (m) 2093.328
Location Photo  NORTH			
 <p>1083_2019_WY, 3N, 20190914</p>		 <p>1083_2019_WY, 3E, 20190914</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1084_2019_WY	Northing (m) 2268526.086	Easting (m) -1113025.906	Elevation (m) 2130.078
Point Type LCP	Latitude (Local) N42°41'24.81682"	Longitude (Local) W109°42'43.11396"	Ellipsoid Height (m) 2117.741
Location Photo  NORTH			
 1084_2019_WY, 3N, 20190905	 1084_2019_WY, 3E, 20190905		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1085_2019_WY	Northing (m) 2249284.194	Easting (m) -1107163.816	Elevation (m) 2214.576
Point Type LCP	Latitude (Local) N42°31'38.51688"	Longitude (Local) W109°36'25.33024"	Ellipsoid Height (m) 2201.594
Location Photo  NORTH			
 <p>1085_2019_WY, 3N, 20190916</p>		 <p>1085_2019_WY, 3E, 20190916</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1086_2019_WY	Northing (m) 2225696.978	Easting (m) -1102633.641	Elevation (m) 2081.580
Point Type LCP	Latitude (Local) N42°19'27.47829"	Longitude (Local) W109°30'40.22993"	Ellipsoid Height (m) 2067.791
Location Photo  NORTH			
 1086_2019_WY, 3W, 20190916	 1086_2019_WY, 3N, 20190916		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1087_2019_WY	Northing (m) 2216851.548	Easting (m) -1096864.525	Elevation (m) 2069.209
Point Type LCP	Latitude (Local) N42°15'11.80039"	Longitude (Local) W109°25'34.36319"	Ellipsoid Height (m) 2055.239
Location Photo  NORTH			
 <p>1087_2019_WY, 3W, 20190916</p>		 <p>1087_2019_WY, 3N, 20190916</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1088_2019_WY	Northing (m) 2228643.578	Easting (m) -1088927.457	Elevation (m) 2151.657
Point Type LCP	Latitude (Local) N42°22'03.56024"	Longitude (Local) W109°21'01.72201"	Ellipsoid Height (m) 2138.349
Location Photo  NORTH			
 1088_2019_WY, 3N, 20190916	 1088_2019_WY, 3E, 20190916		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1089_2019_WY	Northing (m) 2228424.457	Easting (m) -1083355.535	Elevation (m) 2197.151
Point Type LCP	Latitude (Local) N42°22'21.63065"	Longitude (Local) W109°16'57.65094"	Ellipsoid Height (m) 2184.050
Location Photo  NORTH			
 <p>1089_2019_WY, 3W, 20190917</p>		 <p>1089_2019_WY, 3N, 20190917</p>	




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1090_2019_WY	Northing (m) 2241945.203	Easting (m) -1075545.669	Elevation (m) 2452.538
Point Type LCP	Latitude (Local) N42°30'07.71698"	Longitude (Local) W109°12'39.79756"	Ellipsoid Height (m) 2441.023
Location Photo  NORTH			
 <p>1090_2019_WY, 3N, 20190917</p>	 <p>1090_2019_WY, 3E, 20190917</p>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1091_2019_WY	Northing (m) 2240628.566	Easting (m) -1070542.298	Elevation (m) 2438.615
Point Type LCP	Latitude (Local) N42°29'47.99831"	Longitude (Local) W109°08'53.36806"	Ellipsoid Height (m) 2427.279
Location Photo ↑ NORTH			







1091_2019_WY, 3W, 20190917



1091_2019_WY, 3N, 20190917







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1092_2019_WY	Northing (m) 2236019.076	Easting (m) -1066501.732	Elevation (m) 2413.979
Point Type LCP	Latitude (Local) N42°27'38.88242"	Longitude (Local) W109°05'29.07579"	Ellipsoid Height (m) 2402.409
Location Photo  NORTH			
 <p style="text-align: center;">1092_2019_WY, 3W, 20190918</p>	 <p style="text-align: center;">1092_2019_WY, 3N, 20190918</p>		





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1092A_2019_WY	Northing (m) 2235269.479	Easting (m) -1066261.692	Elevation (m) 2447.722
Point Type LCP	Latitude (Local) N42°27'16.03457"	Longitude (Local) W109°05'14.06901"	Ellipsoid Height (m) 2436.092
Location Photo  NORTH			
 <p>1092A_2019_WY, 3W, 20190917</p>		 <p>1092A_2019_WY, 3N, 20190917</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1093_2019_WY	Northing (m) 2232343.406	Easting (m) -1061469.270	Elevation (m) 2349.982
Point Type LCP	Latitude (Local) N42°26'03.83550"	Longitude (Local) W109°01'27.34978"	Ellipsoid Height (m) 2338.271
Location Photo  NORTH			







1093_2019_WY, 3N, 20190919



1093_2019_WY, 3E, 20190919




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1094_2019_WY	Northing (m) 2228207.133	Easting (m) -1057009.472	Elevation (m) 2328.447
Point Type LCP	Latitude (Local) N42°24'11.46713"	Longitude (Local) W108°57'48.02337"	Ellipsoid Height (m) 2316.510
Location Photo  NORTH			
 <p style="text-align: center;">1094_2019_WY, 3W, 20190919</p>	 <p style="text-align: center;">1094_2019_WY, 3N, 20190919</p>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1095_2019_WY	Northing (m) 2226886.468	Easting (m) -1050863.839	Elevation (m) 2347.021
Point Type LCP	Latitude (Local) N42°23'56.16627"	Longitude (Local) W108°53'12.15318"	Ellipsoid Height (m) 2335.124
Location Photo ↑ NORTH			




1095_2019_WY, 3W, 20190919



1095_2019_WY, 3S, 20190919



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1096_2019_WY	Northing (m) 2236292.414	Easting (m) -1043606.791	Elevation (m) 2511.421
Point Type LCP	Latitude (Local) N42°29'27.77849"	Longitude (Local) W108°48'51.30923"	Ellipsoid Height (m) 2500.283
Location Photo ↑ NORTH			







1096_2019_WY, 3W, 20190919



1096_2019_WY, 3S, 20190919





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1097_2019_WY	Northing (m) 2241129.003	Easting (m) -1036435.238	Elevation (m) 2515.855
Point Type LCP	Latitude (Local) N42°32'33.07992"	Longitude (Local) W108°44'06.57117"	Ellipsoid Height (m) 2504.799
Location Photo  NORTH			
 <p>1097_2019_WY, 3W, 20190920</p>		 <p>1097_2019_WY, 3S, 20190920</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1098_2019_WY	Northing (m) 2245282.166	Easting (m) -1028881.256	Elevation (m) 2233.072
Point Type LCP	Latitude (Local) N42°35'18.04010"	Longitude (Local) W108°39'00.67800"	Ellipsoid Height (m) 2221.626
Location Photo  NORTH			







1098_2019_WY, 3N, 20190821



1098_2019_WY, 3E, 20190821







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1099_2019_WY	Northing (m) 2227569.182	Easting (m) -1024398.966	Elevation (m) 2249.169
Point Type LCP	Latitude (Local) N42°26'11.73171"	Longitude (Local) W108°34'01.52305"	Ellipsoid Height (m) 2237.032
Location Photo  NORTH			
 <p>1099_2019_WY, 3W, 20190920</p>		 <p>1099_2019_WY, 3N, 20190920</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1100_2019_WY	Northing (m) 2206430.348	Easting (m) -1020163.117	Elevation (m) 2161.239
Point Type LCP	Latitude (Local) N42°15'14.96609"	Longitude (Local) W108°28'54.69303"	Ellipsoid Height (m) 2147.697
Location Photo  NORTH			
 <p>1100_2019_WY, 3N, 20190814</p>		 <p>1100_2019_WY, 3E, 20190814</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1101_2019_WY	Northing (m) 2208250.046	Easting (m) -1012132.237	Elevation (m) 2182.732
Point Type LCP	Latitude (Local) N42°16'46.77878"	Longitude (Local) W108°23'15.35693"	Ellipsoid Height (m) 2169.243
Location Photo  NORTH			
			
1101_2019_WY, 3N, 20190814		1101_2019_WY, 3E, 20190814	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1102_2019_WY	Northing (m) 2211467.752	Easting (m) -1003687.533	Elevation (m) 2141.847
Point Type LCP	Latitude (Local) N42°19'04.69861"	Longitude (Local) W108°17'25.66042"	Ellipsoid Height (m) 2128.474
Location Photo  NORTH			
 <p>1102_2019_WY, 3N, 20190814</p>	 <p>1102_2019_WY, 3E, 20190814</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1103_2019_WY	Northing (m) 2210444.355	Easting (m) -995888.925	Elevation (m) 2174.814
Point Type LCP	Latitude (Local) N42°19'04.27830"	Longitude (Local) W108°11'39.89258"	Ellipsoid Height (m) 2161.293
Location Photo  NORTH			
 <p>1103_2019_WY, 3N, 20190814</p>		 <p>1103_2019_WY, 3E, 20190814</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1104_2019_WY	Northing (m) 2205908.750	Easting (m) -990805.146	Elevation (m) 2201.154
Point Type LCP	Latitude (Local) N42°17'00.33693"	Longitude (Local) W108°07'32.85334"	Ellipsoid Height (m) 2187.402
Location Photo  NORTH			
 <p>1104_2019_WY, 3W, 20190814</p>		 <p>1104_2019_WY, 3N, 20190814</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1105_2019_WY	Northing (m) 2209781.446	Easting (m) -981863.169	Elevation (m) 2161.277
Point Type LCP	Latitude (Local) N42°19'40.49043"	Longitude (Local) W108°01'24.56762"	Ellipsoid Height (m) 2147.662
Location Photo  NORTH			
 1105_2019_WY, 3W, 20190814	 1105_2019_WY, 3N, 20190814		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1106_2019_WY	Northing (m) 2206920.977	Easting (m) -974346.086	Elevation (m) 2139.807
Point Type LCP	Latitude (Local) N42°18'39.54475"	Longitude (Local) W107°55'40.92301"	Ellipsoid Height (m) 2126.121
Location Photo  NORTH			
 <p>1106_2019_WY, 3W, 20190812</p>		 <p>1106_2019_WY, 3N, 20190812</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1107_2019_WY	Northing (m) 2203096.936	Easting (m) -966696.365	Elevation (m) 2172.093
Point Type LCP	Latitude (Local) N42°17'08.09697"	Longitude (Local) W107°49'46.40480"	Ellipsoid Height (m) 2158.362
Location Photo  NORTH			
 <p>1107_2019_WY, 3N, 20190811</p>		 <p>1107_2019_WY, 3E, 20190811</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1108_2019_WY	Northing (m) 2199899.929	Easting (m) -959658.225	Elevation (m) 2262.218
Point Type LCP	Latitude (Local) N42°15'53.99031"	Longitude (Local) W107°44'22.19738"	Ellipsoid Height (m) 2248.485
Location Photo  NORTH			
 <p>1108_2019_WY, 3W, 20190811</p>		 <p>1108_2019_WY, 3N, 20190811</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1109_2019_WY	Northing (m) 2195362.680	Easting (m) -953261.557	Elevation (m) 2242.097
Point Type LCP	Latitude (Local) N42°13'54.31418"	Longitude (Local) W107°39'18.93964"	Ellipsoid Height (m) 2228.341
Location Photo  NORTH			
 <p>1109_2019_WY, 3N, 20190811</p>		 <p>1109_2019_WY, 3E, 20190811</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1110_2019_WY	Northing (m) 2194484.799	Easting (m) -946066.227	Elevation (m) 2095.359
Point Type LCP	Latitude (Local) N42°13'54.49434"	Longitude (Local) W107°34'00.67935"	Ellipsoid Height (m) 2081.739
Location Photo  NORTH			
			
<small>1110_2019_WY, 3W, 20190811</small>	<small>1110_2019_WY, 3N, 20190811</small>		





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1111_2019_WY	Northing (m) 2213565.323	Easting (m) -937982.535	Elevation (m) 1979.792
Point Type LCP	Latitude (Local) N42°24'35.78048"	Longitude (Local) W107°29'49.45462"	Ellipsoid Height (m) 1966.910
Location Photo  NORTH			
 <p>1111_2019_WY, 3S, 20190810</p>		 <p>1111_2019_WY, 3E, 20190810</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1112_2019_WY	Northing (m) 2399353.460	Easting (m) -794804.745	Elevation (m) 1269.329
Point Type LCP	Latitude (Local) N44°12'29.13939"	Longitude (Local) W105°59'40.07436"	Ellipsoid Height (m) 1254.790
Location Photo  NORTH			





1112_2019_WY, 3W, 20190801



1112_2019_WY, 3N, 20190801



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1113_2019_WY	Northing (m) 2400896.128	Easting (m) -800457.641	Elevation (m) 1243.862
Point Type LCP	Latitude (Local) N44°12'59.44982"	Longitude (Local) W106°04'01.44278"	Ellipsoid Height (m) 1229.283
Location Photo  NORTH			







1113_2019_WY, 3S, 20190801



1113_2019_WY, 3E, 20190801




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1114_2019_WY	Northing (m) 2401814.143	Easting (m) -806348.780	Elevation (m) 1217.562
Point Type LCP	Latitude (Local) N44°13'08.73926"	Longitude (Local) W106°08'30.57527"	Ellipsoid Height (m) 1202.976
Location Photo  NORTH			
 <p>1114_2019_WY, 3S, 20190801</p>		 <p>1114_2019_WY, 3E, 20190801</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1115_2019_WY	Northing (m) 2401306.733	Easting (m) -812459.202	Elevation (m) 1367.716
Point Type LCP	Latitude (Local) N44°12'31.34781"	Longitude (Local) W106°13'02.66835"	Ellipsoid Height (m) 1353.201
Location Photo ↑ NORTH			







1115_2019_WY, 3S, 20190802



1115_2019_WY, 3E, 20190802







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1116_2019_WY	Northing (m) 2402302.366	Easting (m) -818313.719	Elevation (m) 1421.849
Point Type LCP	Latitude (Local) N44°12'42.95268"	Longitude (Local) W106°17'30.52386"	Ellipsoid Height (m) 1407.450
Location Photo  NORTH			
 <p>1116_2019_WY, 3W, 20190802</p>		 <p>1116_2019_WY, 3S, 20190802</p>	




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1117_2019_WY	Northing (m) 2403996.300	Easting (m) -824012.431	Elevation (m) 1399.051
Point Type LCP	Latitude (Local) N44°13'17.37393"	Longitude (Local) W106°21'54.84067"	Ellipsoid Height (m) 1384.800
Location Photo  NORTH			
 <p>1117_2019_WY, 3SW, 20190802</p>		 <p>1117_2019_WY, 3SE, 20190802</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1118_2019_WY	Northing (m) 2408035.240	Easting (m) -829517.554	Elevation (m) 1300.969
Point Type LCP	Latitude (Local) N44°15'07.61710"	Longitude (Local) W106°26'22.15445"	Ellipsoid Height (m) 1286.903
Location Photo ↑ NORTH			




1118_2019_WY, 3S, 20190802



1118_2019_WY, 3E, 20190802



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1119_2019_WY	Northing (m) 2410688.530	Easting (m) -835118.743	Elevation (m) 1389.732
Point Type LCP	Latitude (Local) N44°16'12.89238"	Longitude (Local) W106°30'47.10853"	Ellipsoid Height (m) 1376.005
Location Photo ↑ NORTH			







1119_2019_WY, 3S, 20190802



1119_2019_WY, 3E, 20190802




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1120_2019_WY	Northing (m) 2413192.131	Easting (m) -840726.784	Elevation (m) 1411.958
Point Type LCP	Latitude (Local) N44°17'13.19373"	Longitude (Local) W106°35'11.75926"	Ellipsoid Height (m) 1398.641
Location Photo  NORTH			
 <p>1120_2019_WY, 3W, 20190803</p>		 <p>1120_2019_WY, 3S, 20190803</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1121_2019_WY	Northing (m) 2421789.238	Easting (m) -845622.038	Elevation (m) 1379.475
Point Type LCP	Latitude (Local) N44°21'31.53363"	Longitude (Local) W106°39'35.35344"	Ellipsoid Height (m) 1366.483
Location Photo ↑ NORTH			





1121_2019_WY, 3W, 20190805



1121_2019_WY, 3S, 20190805



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1122_2019_WY	Northing (m) 2427999.579	Easting (m) -850538.095	Elevation (m) 1447.162
Point Type LCP	Latitude (Local) N44°24'33.06688"	Longitude (Local) W106°43'48.25223"	Ellipsoid Height (m) 1434.533
Location Photo  NORTH			







1122_2019_WY, 3N, 20190805



1122_2019_WY, 3E, 20190805




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1123_2019_WY	Northing (m) 2445851.879	Easting (m) -855281.854	Elevation (m) 1438.367
Point Type LCP	Latitude (Local) N44°33'48.90811"	Longitude (Local) W106°48'53.72192"	Ellipsoid Height (m) 1425.587
Location Photo  NORTH			
			
<small>1123_2019_WY, 3W, 20190805</small>	<small>1123_2019_WY, 3S, 20190805</small>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1124_2019_WY	Northing (m) 2447128.904	Easting (m) -860757.449	Elevation (m) 1536.900
Point Type LCP	Latitude (Local) N44°34'09.75132"	Longitude (Local) W106°53'07.44151"	Ellipsoid Height (m) 1524.716
Location Photo  NORTH			






1124_2019_WY, 3S, 20190805



1124_2019_WY, 3E, 20190805







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1125_2019_WY	Northing (m) 2422413.227	Easting (m) -869767.483	Elevation (m) 2347.903
Point Type LCP	Latitude (Local) N44°20'23.01664"	Longitude (Local) W106°57'44.79401"	Ellipsoid Height (m) 2338.325
Location Photo  NORTH			
 <p>1125_2019_WY, 3N, 20190808</p>	 <p>1125_2019_WY, 3E, 20190808</p>		





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1126_2019_WY	Northing (m) 2402250.636	Easting (m) -877191.641	Elevation (m) 2681.469
Point Type LCP	Latitude (Local) N44°09'08.47971"	Longitude (Local) W107°01'32.98146"	Ellipsoid Height (m) 2672.413
Location Photo  NORTH			
 <p>1126_2019_WY, 3W, 20190924</p>		 <p>1126_2019_WY, 3S, 20190924</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1127_2019_WY	Northing (m) 2403801.460	Easting (m) -883170.083	Elevation (m) 2882.442
Point Type LCP	Latitude (Local) N44°09'35.79432"	Longitude (Local) W107°06'09.22141"	Ellipsoid Height (m) 2873.738
Location Photo  NORTH			







1127_2019_WY, 3N, 20190924



1127_2019_WY, 3E, 20190924







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1128_2019_WY	Northing (m) 2449230.990	Easting (m) -886495.897	Elevation (m) 2521.998
Point Type LCP	Latitude (Local) N44°33'40.74023"	Longitude (Local) W107°12'39.78216"	Ellipsoid Height (m) 2512.933
Location Photo  NORTH			
 <p>1128_2019_WY, 3W, 20190806</p>		 <p>1128_2019_WY, 3N, 20190806</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1129_2019_WY	Northing (m) 2447535.173	Easting (m) -887205.368	Elevation (m) 2525.374
Point Type LCP	Latitude (Local) N44°32'43.61509"	Longitude (Local) W107°13'02.71242"	Ellipsoid Height (m) 2516.492
Location Photo  NORTH			
 <p>1129_2019_WY, W, 20190806</p>		 <p>1129_2019_WY, 3S, 20190806</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1130_2019_WY	Northing (m) 2327350.664	Easting (m) -802252.096	Elevation (m) 1554.374
Point Type LCP	Latitude (Local) N43°33'32.83913"	Longitude (Local) W105°59'33.26021"	Ellipsoid Height (m) 1539.824
Location Photo  NORTH			
 <p>1130_2019_WY, 3W, 20190730</p>		 <p>1130_2019_WY, 3S, 20190730</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1130A_2019_WY	Northing (m) 2327406.722	Easting (m) -802654.975	Elevation (m) 1538.626
Point Type LCP	Latitude (Local) N43°33'33.27309"	Longitude (Local) W105°59'51.45592"	Ellipsoid Height (m) 1524.083
Location Photo  NORTH			
 <p>1130A_2019_WY, 3W, 20190730</p>		 <p>1130A_2019_WY, 3S, 20190730</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1131_2019_WY	Northing (m) 2328121.544	Easting (m) -807797.830	Elevation (m) 1525.007
Point Type LCP	Latitude (Local) N43°33'38.72663"	Longitude (Local) W106°03'43.73119"	Ellipsoid Height (m) 1510.573
Location Photo  NORTH			
 <p>1131_2019_WY, 3W, 20190730</p>		 <p>1131_2019_WY, 3S, 20190730</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1131A_2019_WY	Northing (m) 2327812.034	Easting (m) -806794.131	Elevation (m) 1522.427
Point Type LCP	Latitude (Local) N43°33'32.21826"	Longitude (Local) W106°02'57.59555"	Ellipsoid Height (m) 1507.970
Location Photo  NORTH			
			
<small>1131A_2019_WY, 3W, 20190730</small>	<small>1131A_2019_WY, 3S, 20190730</small>		





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1131B_2019_WY	Northing (m) 2328000.585	Easting (m) -809670.820	Elevation (m) 1538.586
Point Type LCP	Latitude (Local) N43°33'28.45478"	Longitude (Local) W106°05'06.51894"	Ellipsoid Height (m) 1524.200
Location Photo  NORTH			
 <p style="text-align: center;">1131B_2019_WY, 3S, 20190730</p>		 <p style="text-align: center;">1131B_2019_WY, 3E, 20190730</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1132_2019_WY	Northing (m) 2326823.952	Easting (m) -813301.221	Elevation (m) 1620.429
Point Type LCP	Latitude (Local) N43°32'38.28620"	Longitude (Local) W106°07'42.48069"	Ellipsoid Height (m) 1606.157
Location Photo  NORTH			





1132_2019_WY, 3SE, 20190729



1132_2019_WY, 3NE, 20190729



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1133_2019_WY	Northing (m) 2321167.481	Easting (m) -819358.507	Elevation (m) 1557.752
Point Type LCP	Latitude (Local) N43°29'16.03607"	Longitude (Local) W106°11'44.86905"	Ellipsoid Height (m) 1543.684
Location Photo  NORTH			







1133_2019_WY, 3SW, 20190729



1133_2019_WY, 3NW, 20190729





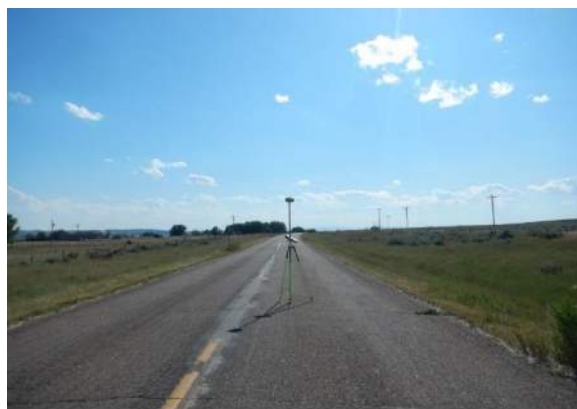
GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1134_2019_WY	Northing (m) 2344051.870	Easting (m) -822972.999	Elevation (m) 1351.006
Point Type LCP	Latitude (Local) N43°41'17.42419"	Longitude (Local) W106°16'15.90426"	Ellipsoid Height (m) 1336.798
Location Photo  NORTH			
 <p>1134_2019_WY, 3N, 20190728</p>		 <p>1134_2019_WY, 3E, 20190728</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1135_2019_WY	Northing (m) 2347184.890	Easting (m) -828589.121	Elevation (m) 1373.113
Point Type LCP	Latitude (Local) N43°42'38.29834"	Longitude (Local) W106°20'41.51630"	Ellipsoid Height (m) 1359.047
Location Photo  NORTH			







1135_2019_WY, 3SW, 20190728



1135_2019_WY, 3SE, 20190728







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1136_2019_WY	Northing (m) 2346476.301	Easting (m) -834614.919	Elevation (m) 1380.006
Point Type LCP	Latitude (Local) N43°41'54.37591"	Longitude (Local) W106°25'06.71511"	Ellipsoid Height (m) 1366.141
Location Photo  NORTH			
 <p>1136_2019_WY, 3SW, 20190728</p>		 <p>1136_2019_WY, 3SE, 20190728</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1137_2019_WY	Northing (m) 2346115.863	Easting (m) -840534.881	Elevation (m) 1390.088
Point Type LCP	Latitude (Local) N43°41'21.84697"	Longitude (Local) W106°29'28.82218"	Ellipsoid Height (m) 1376.472
Location Photo  NORTH			
 <p>1137_2019_WY, 3SW, 20190802</p>		 <p>1137_2019_WY, 3SE, 20190802</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1138_2019_WY	Northing (m) 2348347.661	Easting (m) -845927.741	Elevation (m) 1406.031
Point Type LCP	Latitude (Local) N43°42'14.17916"	Longitude (Local) W106°33'40.26191"	Ellipsoid Height (m) 1392.685
Location Photo  NORTH			
 <p>1138_2019_WY, 3SW, 20190802</p>		 <p>1138_2019_WY, 3NW, 20190802</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1139_2019_WY	Northing (m) 2350173.818	Easting (m) -851288.973	Elevation (m) 1431.845
Point Type LCP	Latitude (Local) N43°42'53.48743"	Longitude (Local) W106°37'48.36717"	Ellipsoid Height (m) 1418.842
Location Photo  NORTH			
 <p>1139_2019_WY, 3W, 20190802</p>		 <p>1139_2019_WY, 3N, 20190802</p>	


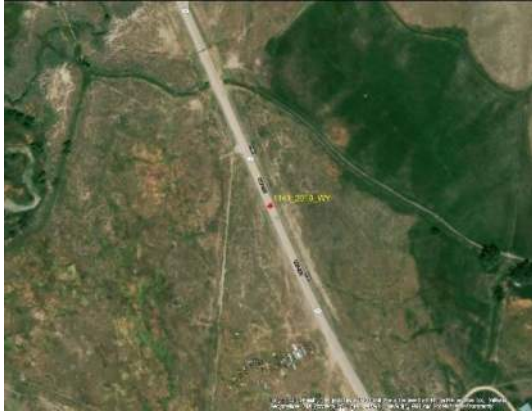




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1140_2019_WY	Northing (m) 2356791.090	Easting (m) -856352.966	Elevation (m) 1521.121
Point Type LCP	Latitude (Local) N43°46'07.35979"	Longitude (Local) W106°42'07.45652"	Ellipsoid Height (m) 1508.561
Location Photo  NORTH			
 <p>1140_2019_WY, 3SW, 20190803</p>		 <p>1140_2019_WY, 3SE, 20190803</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1141_2019_WY	Northing (m) 2362999.235	Easting (m) -861271.020	Elevation (m) 1573.979
Point Type LCP	Latitude (Local) N43°49'08.52457"	Longitude (Local) W106°46'18.36044"	Ellipsoid Height (m) 1561.953
Location Photo  NORTH			
 <p>1141_2019_WY, 3SE, 20190803</p>		 <p>1141_2019_WY, 3NE, 20190803</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1142_2019_WY	Northing (m) 2365783.784	Easting (m) -867078.157	Elevation (m) 1723.190
Point Type LCP	Latitude (Local) N43°50'16.53499"	Longitude (Local) W106°50'51.81626"	Ellipsoid Height (m) 1711.783
Location Photo  NORTH			
			
<p>1142_2019_WY, 3W, 20190925</p>		<p>1142_2019_WY, 3N, 20190925</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1143_2019_WY	Northing (m) 2367088.361	Easting (m) -873649.023	Elevation (m) 2354.951
Point Type LCP	Latitude (Local) N43°50'34.11521"	Longitude (Local) W106°55'51.89287"	Ellipsoid Height (m) 2344.272
Location Photo  NORTH			





1143_2019_WY, 3N, 20190925



1143_2019_WY, 3E, 20190925



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1144_2019_WY	Northing (m) 2374560.754	Easting (m) -879559.201	Elevation (m) 2446.434
Point Type LCP	Latitude (Local) N43°54'11.70022"	Longitude (Local) W107°00'54.57632"	Ellipsoid Height (m) 2436.426
Location Photo  NORTH			







1144_2019_WY, 3W, 20190924



1144_2019_WY, 3N, 20190924





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1145_2019_WY	Northing (m) 2383766.626	Easting (m) -888742.970	Elevation (m) 2364.254
Point Type LCP	Latitude (Local) N43°58'32.35439"	Longitude (Local) W107°08'33.30362"	Ellipsoid Height (m) 2354.639
Location Photo  NORTH			
 <p>1145_2019_WY, 3W, 20190924</p>		 <p>1145_2019_WY, 3N, 20190924</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1146_2019_MT	Northing (m) 2600948.446	Easting (m) -691966.314	Elevation (m) 903.704
Point Type LCP	Latitude (Local) N46°06'12.73327"	Longitude (Local) W104°56'50.10736"	Ellipsoid Height (m) 887.636
Location Photo  NORTH			







1146_2019_MT, 3S, 20190730



1146_2019_MT, 3E, 20190730







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1147_2019_MT	Northing (m) 2594214.808	Easting (m) -682458.671	Elevation (m) 927.066
Point Type LCP	Latitude (Local) N46°03'04.02358"	Longitude (Local) W104°49'01.09737"	Ellipsoid Height (m) 911.074
Location Photo  NORTH			
 <p>1147_2019_MT, 3N, 20190730</p>		 <p>1147_2019_MT, 3E, 20190730</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1148_2019_MT	Northing (m) 2587228.517	Easting (m) -672439.730	Elevation (m) 951.626
Point Type LCP	Latitude (Local) N45°59'48.24611"	Longitude (Local) W104°40'48.13033"	Ellipsoid Height (m) 935.664
Location Photo  NORTH			
 1148_2019_MT, 3S, 20190729	 1148_2019_MT, 3E, 20190729		





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1149_2019_MT	Northing (m) 2591140.079	Easting (m) -662536.614	Elevation (m) 966.620
Point Type LCP	Latitude (Local) N46°02'23.69248"	Longitude (Local) W104°33'26.75890"	Ellipsoid Height (m) 950.648
Location Photo  NORTH			
			
<small>1149_2019_MT, 3N, 20190730</small>	<small>1149_2019_MT, 3E, 20190730</small>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1150_2019_WY	Northing (m) 2577055.511	Easting (m) -654616.713	Elevation (m) 1040.280
Point Type LCP	Latitude (Local) N45°55'11.65789"	Longitude (Local) W104°26'22.43929"	Ellipsoid Height (m) 1024.236
Location Photo  NORTH			





1150_2019_MT,3N, 20190801



1150_2019_MT,3E, 20190801



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1151_2019_MT	Northing (m) 2573310.599	Easting (m) -644296.761	Elevation (m) 985.276
Point Type LCP	Latitude (Local) N45°53'40.13501"	Longitude (Local) W104°18'10.77103"	Ellipsoid Height (m) 969.149
Location Photo <div style="text-align: center;">  NORTH </div>			




1151_2019_MT,3N, 20190801



1151_2019_MT,3E, 20190801



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1151A_2019_MT	Northing (m) 2573304.992	Easting (m) -644277.987	Elevation (m) 985.454
Point Type LCP	Latitude (Local) N45°53'40.00699"	Longitude (Local) W104°18'09.88181"	Ellipsoid Height (m) 969.327
Location Photo ↑ NORTH			







1151A_2019_MT, 3W, 20190801



1151A_2019_MT, 3S, 20190801





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1152_2019_MT	Northing (m) 2571017.211	Easting (m) -634129.238	Elevation (m) 951.448
Point Type LCP	Latitude (Local) N45°52'54.58958"	Longitude (Local) W104°10'12.28603"	Ellipsoid Height (m) 935.346
Location Photo  NORTH			
 <p>1152_2019_MT, 3W, 20190801</p>		 <p>1152_2019_MT, 3S, 20190801</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1153_2019_SD	Northing (m) 2533191.074	Easting (m) -625867.693	Elevation (m) 972.311
Point Type LCP	Latitude (Local) N45°32'55.89755"	Longitude (Local) W104°01'23.17172"	Ellipsoid Height (m) 956.244
Location Photo  NORTH			




1153_2019_SD, 3N, 20190802



1153_2019_SD, 3E, 20190802



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1154_2019_WY	Northing (m) 2503042.066	Easting (m) -697001.687	Elevation (m) 1140.704
Point Type LCP	Latitude (Local) N45°13'18.72293"	Longitude (Local) W104°53'37.86472"	Ellipsoid Height (m) 1126.041
Location Photo  NORTH			







1154_2019_MT,3N, 20190803



1154_2019_MT,3E, 20190803







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1155_2019_MT	Northing (m) 2509345.615	Easting (m) -707314.713	Elevation (m) 1018.271
Point Type LCP	Latitude (Local) N45°16'10.42572"	Longitude (Local) W105°01'56.22324"	Ellipsoid Height (m) 1003.443
Location Photo  NORTH			
			
<small>1155_2019_MT, 3W, 20190804</small>	<small>1155_2019_MT, 3S, 20190804</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1155A_2019_MT	Northing (m) 2509355.458	Easting (m) -707328.595	Elevation (m) 1018.343
Point Type LCP	Latitude (Local) N45°16'10.70029"	Longitude (Local) W105°01'56.90046"	Ellipsoid Height (m) 1003.515
Location Photo  NORTH			
			
<small>1155A_2019_MT,3N, 20190803</small>	<small>1155A_2019_MT,3E, 20190803</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1156_2019_MT	Northing (m) 2475522.629	Easting (m) -658976.839	Elevation (m) 1066.358
Point Type LCP	Latitude (Local) N45°00'23.54097"	Longitude (Local) W104°22'49.28058"	Ellipsoid Height (m) 1051.484
Location Photo  NORTH			
 <p>1156_2019_MT, 3N, 20190723</p>		 <p>1156_2019_MT, 3E, 20190723</p>	







GCP OBSERVATION LOG

Project Number 79935		Project Name WY FEMA East Lidar		Company Woolpert		Field Operator DM/EN/NP/SH/BW	
Coordinate System Albers Equal Area (ESPG 6350)		Hor. Datum NAD 1983 (Conus)		Ver. Datum NAVD88		Zone Albers Equal Area ESPG 6350	
Station ID 1157_2019_WY		Northing (m) 2464544.388		Easting (m) -650112.688		Elevation (m) 1081.061	
Point Type LCP		Latitude (Local) N44°54'54.83790"		Longitude (Local) W104°15'21.96310"		Ellipsoid Height (m) 1066.163	
Location Photo  NORTH							
 <p>1157_2019_WY, 3W, 20190723</p>				 <p>1157_2019_WY, 3S, 20190723</p>			





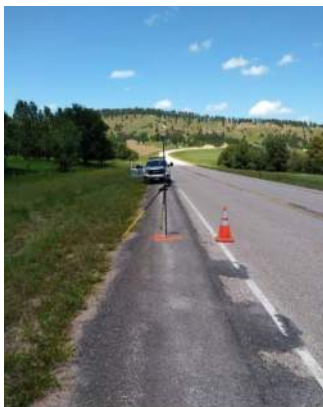
GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1158_2019_WY	Northing (m) 2452899.515	Easting (m) -636545.710	Elevation (m) 980.608
Point Type LCP	Latitude (Local) N44°49'17.26187"	Longitude (Local) W104°04'19.60922"	Ellipsoid Height (m) 965.523
Location Photo  NORTH			
 <p>1158_2019_WY, 3N, 20190723</p>		 <p>1158_2019_WY, 3E, 20190723</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1159_2019_WY	Northing (m) 2447221.514	Easting (m) -680855.004	Elevation (m) 1262.685
Point Type LCP	Latitude (Local) N44°44'08.67213"	Longitude (Local) W104°37'28.22062"	Ellipsoid Height (m) 1248.496
Location Photo <div style="text-align: center;">  NORTH </div>			







1159_2019_WY_3N, 20190722



1159_2019_WY_3E, 20190722







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1160_2019_WY	Northing (m) 2437790.880	Easting (m) -682188.532	Elevation (m) 1185.709
Point Type LCP	Latitude (Local) N44°39'01.13890"	Longitude (Local) W104°37'49.74985"	Ellipsoid Height (m) 1171.638
Location Photo  NORTH			
 <p>1160_2019_WY,3N, 20190722</p>		 <p>1160_2019_WY,3E, 20190722</p>	




GCP OBSERVATION LOG

Project Number 79935		Project Name WY FEMA East Lidar		Company Woolpert		Field Operator DM/EN/NP/SH/BW	
Coordinate System Albers Equal Area (ESPG 6350)		Hor. Datum NAD 1983 (Conus)		Ver. Datum NAVD88		Zone Albers Equal Area ESPG 6350	
Station ID 1161_2019_WY		Northing (m) 2427893.352		Easting (m) -687407.320		Elevation (m) 1319.438	
Point Type LCP		Latitude (Local) N44°33'27.20784"		Longitude (Local) W104°41'05.03765"		Ellipsoid Height (m) 1305.487	
Location Photo  NORTH							
 <p>1161_2019_WY, 3NW, 20190722</p>				 <p>1161_2019_WY, 3N, 20190722</p>			



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1162_2019_WY	Northing (m) 2419612.984	Easting (m) -697630.781	Elevation (m) 1285.310
Point Type LCP	Latitude (Local) N44°28'30.39312"	Longitude (Local) W104°48'12.59939"	Ellipsoid Height (m) 1271.277
Location Photo ↑ NORTH			







1162_2019_WY, 3W, 20190722



1162_2019_WY, 3N, 20190722







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1163_2019_WY	Northing (m) 2410917.748	Easting (m) -704913.537	Elevation (m) 1278.571
Point Type LCP	Latitude (Local) N44°23'28.79411"	Longitude (Local) W104°53'04.70789"	Ellipsoid Height (m) 1264.383
Location Photo  NORTH			
 <p>1163_2019_WY, 3SE, 20190724</p>		 <p>1163_2019_WY, 3NE, 20190724</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1164_2019_WY	Northing (m) 2401376.816	Easting (m) -708074.925	Elevation (m) 1280.416
Point Type LCP	Latitude (Local) N44°18'12.37804"	Longitude (Local) W104°54'46.83078"	Ellipsoid Height (m) 1266.126
Location Photo  NORTH			
 <p>1164_2019_WY, 3W, 20190724</p>	 <p>1164_2019_WY, 3S, 20190724</p>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1165_2019_WY	Northing (m) 2391259.559	Easting (m) -704675.679	Elevation (m) 1328.530
Point Type LCP	Latitude (Local) N44°12'57.28010"	Longitude (Local) W104°51'31.07312"	Ellipsoid Height (m) 1314.255
Location Photo  NORTH			





1165_2019_WY, 3N, 20190724



1165_2019_WY, 3E, 20190724



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1166_2019_WY	Northing (m) 2379189.440	Easting (m) -690159.397	Elevation (m) 1302.053
Point Type LCP	Latitude (Local) N44°07'12.31037"	Longitude (Local) W104°39'48.13709"	Ellipsoid Height (m) 1287.922
Location Photo  NORTH			




1166_2019_WY, 3SE, 20190721



1166_2019_WY, 3NE, 20190721



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1167_2019_WY	Northing (m) 2368684.416	Easting (m) -681984.811	Elevation (m) 1259.580
Point Type LCP	Latitude (Local) N44°01'58.39392"	Longitude (Local) W104°32'58.14203"	Ellipsoid Height (m) 1245.371
Location Photo ↑ NORTH			







1167_2019_WY, 3SW, 20190722



1167_2019_WY, 3SE, 20190722




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1168_2019_WY	Northing (m) 2356353.856	Easting (m) -668693.540	Elevation (m) 1298.077
Point Type LCP	Latitude (Local) N43°56'00.06922"	Longitude (Local) W104°22'12.55070"	Ellipsoid Height (m) 1283.861
Location Photo  NORTH			
 <p>1168_2019_WY, 3W, 20190719</p>		 <p>1168_2019_WY, 3S, 20190719</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1169_2019_WY	Northing (m) 2345372.278	Easting (m) -662305.539	Elevation (m) 1243.030
Point Type LCP	Latitude (Local) N43°50'25.03188"	Longitude (Local) W104°16'43.15994"	Ellipsoid Height (m) 1228.666
Location Photo ↑ NORTH			







1169_2019_WY, 3W, 20190719



1169_2019_WY, 3N, 20190719







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1170_2019_WY	Northing (m) 2334361.482	Easting (m) -656363.707	Elevation (m) 1237.670
Point Type LCP	Latitude (Local) N43°44'47.64740"	Longitude (Local) W104°11'34.50385"	Ellipsoid Height (m) 1223.199
Location Photo  NORTH			
 <p>1170_2019_WY, 3S, 20190717</p>		 <p>1170_2019_WY, 3E, 20190717</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1171_2019_WY	Northing (m) 2324265.712	Easting (m) -656950.618	Elevation (m) 1180.409
Point Type LCP	Latitude (Local) N43°39'21.49538"	Longitude (Local) W104°11'21.74962"	Ellipsoid Height (m) 1165.706
Location Photo  NORTH			
 <p>1171_2019_WY, 3S, 20190717</p>		 <p>1171_2019_WY, 3E, 20190717</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1172_2019_WY	Northing (m) 2313661.498	Easting (m) -658240.354	Elevation (m) 1159.120
Point Type LCP	Latitude (Local) N43°33'37.10527"	Longitude (Local) W104°11'38.41212"	Ellipsoid Height (m) 1144.230
Location Photo  NORTH			
 <p style="text-align: center;">1172_2019_WY, 3W, 20190720</p>	 <p style="text-align: center;">1172_2019_WY, 3S, 20190720</p>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1173_2019_WY	Northing (m) 2302931.242	Easting (m) -660210.919	Elevation (m) 1131.155
Point Type LCP	Latitude (Local) N43°27'46.82999"	Longitude (Local) W104°12'24.85921"	Ellipsoid Height (m) 1116.157
Location Photo  NORTH			





1173_2019_WY, 3S, 20190718



1173_2019_WY, 3E, 20190718



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1174_2019_WY	Northing (m) 2292068.670	Easting (m) -663373.156	Elevation (m) 1153.352
Point Type LCP	Latitude (Local) N43°21'49.03603"	Longitude (Local) W104°14'03.65052"	Ellipsoid Height (m) 1138.258
Location Photo  NORTH			





1174_2019_WY, 3W, 20190718



1174_2019_WY, 3N, 20190718

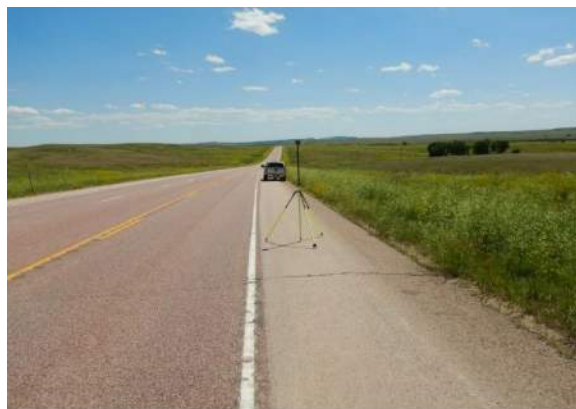


GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1175_2019_WY	Northing (m) 2282766.036	Easting (m) -669272.344	Elevation (m) 1201.018
Point Type LCP	Latitude (Local) N43°16'33.70524"	Longitude (Local) W104°17'49.72806"	Ellipsoid Height (m) 1185.889
Location Photo  NORTH			





1175_2019_WY, 3W, 20190718



1175_2019_WY, 3S, 20190718



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1176_2019_WY	Northing (m) 2271894.348	Easting (m) -672671.291	Elevation (m) 1242.111
Point Type LCP	Latitude (Local) N43°10'34.99503"	Longitude (Local) W104°19'38.24185"	Ellipsoid Height (m) 1227.082
Location Photo  NORTH			







1176_2019_WY, 3N, 20190622



1176_2019_WY, 3E, 20190622



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1177_2019_WY	Northing (m) 2261107.127	Easting (m) -676737.688	Elevation (m) 1281.557
Point Type LCP	Latitude (Local) N43°04'37.13913"	Longitude (Local) W104°21'56.32169"	Ellipsoid Height (m) 1266.658
Location Photo  NORTH			
 <p>1177_2019_WY, 3N, 20190622</p>		 <p>1177_2019_WY, 3E, 20190622</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1178_2019_WY	Northing (m) 2250332.197	Easting (m) -677443.130	Elevation (m) 1341.496
Point Type LCP	Latitude (Local) N42°58'49.23529"	Longitude (Local) W104°21'45.46715"	Ellipsoid Height (m) 1326.797
Location Photo  NORTH			



1178_2019_WY, 3N, 20190621



1178_2019_WY, 3E, 20190621




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1179_2019_WY	Northing (m) 2240333.219	Easting (m) -682049.271	Elevation (m) 1542.004
Point Type LCP	Latitude (Local) N42°53'15.21376"	Longitude (Local) W104°24'29.88630"	Ellipsoid Height (m) 1527.461
Location Photo  NORTH			
 <p>1179_2019_WY, 3N, 20190621</p>		 <p>1179_2019_WY, 3E, 20190621</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1180_2019_WY	Northing (m) 2230577.764	Easting (m) -685322.139	Elevation (m) 1556.578
Point Type LCP	Latitude (Local) N42°47'52.80821"	Longitude (Local) W104°26'16.03739"	Ellipsoid Height (m) 1542.171
Location Photo ↑ NORTH			





1180_2019_WY, 3W, 20190615



1180_2019_WY, 3S, 20190615



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1181_2019_WY	Northing (m) 2220748.080	Easting (m) -686195.275	Elevation (m) 1521.924
Point Type LCP	Latitude (Local) N42°42'34.90581"	Longitude (Local) W104°26'15.95283"	Ellipsoid Height (m) 1507.506
Location Photo  NORTH			





1181_2019_WY, 3S, 20190615



1181_2019_WY, 3E, 20190615



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW	
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350	Geoid GEOID12B (Conus)
Station ID 1182_2019_WY	Northing (m) 2210125.034	Easting (m) -686682.827	Elevation (m) 1517.176	
Point Type LCP	Latitude (Local) N42°36'52.69251"	Longitude (Local) W104°25'55.80680"	Ellipsoid Height (m) 1502.579	
Location Photo  NORTH				





1182_2019_WY, 3NW, 20190615



1182_2019_WY, 3NE, 20190615



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1183_2019_WY	Northing (m) 2203866.266	Easting (m) -735927.961	Elevation (m) 1434.984
Point Type LCP	Latitude (Local) N42°31'06.50037"	Longitude (Local) W105°01'33.91448"	Ellipsoid Height (m) 1420.882
Location Photo  NORTH			







1183_2019_WY, 3S, 20190620



1183_2019_WY, 3E, 20190620







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1184_2019_WY	Northing (m) 2193141.434	Easting (m) -738040.979	Elevation (m) 1468.675
Point Type LCP	Latitude (Local) N42°25'16.24673"	Longitude (Local) W105°02'21.74389"	Ellipsoid Height (m) 1454.691
Location Photo  NORTH			
 <p>1184_2019_WY, 3W, 20190620</p>		 <p>1184_2019_WY, 3S, 20190620</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1185_2019_WY	Northing (m) 2182658.317	Easting (m) -739518.131	Elevation (m) 1527.152
Point Type LCP	Latitude (Local) N42°19'35.72665"	Longitude (Local) W105°02'42.62074"	Ellipsoid Height (m) 1513.282
Location Photo  NORTH			
 <p>1185_2019_WY, 3W, 20190620</p>		 <p>1185_2019_WY, 3S, 20190620</p>	




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1186_2019_WY	Northing (m) 2172013.465	Easting (m) -737846.566	Elevation (m) 1497.767
Point Type LCP	Latitude (Local) N42°13'59.68303"	Longitude (Local) W105°00'45.14190"	Ellipsoid Height (m) 1483.763
Location Photo  NORTH			
 <p style="text-align: center;">1186_2019_WY, 3W, 20190715</p>	 <p style="text-align: center;">1186_2019_WY, 3N, 20190715</p>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1187_2019_WY	Northing (m) 2161574.182	Easting (m) -737882.333	Elevation (m) 1423.412
Point Type LCP	Latitude (Local) N42°08'25.04539"	Longitude (Local) W105°00'03.35762"	Ellipsoid Height (m) 1409.285
Location Photo ↑ NORTH			







1187_2019_WY, 3N, 20190715



1187_2019_WY, 3E, 20190715





GCP OBSERVATION LOG

Project Number 79935		Project Name WY FEMA East Lidar		Company Woolpert		Field Operator DM/EN/NP/SH/BW	
Coordinate System Albers Equal Area (ESPG 6350)		Hor. Datum NAD 1983 (Conus)		Ver. Datum NAVD88		Zone Albers Equal Area ESPG 6350	
Station ID 1188_2019_WY		Northing (m) 2149929.431		Easting (m) -736115.216		Elevation (m) 1474.145	
Point Type LCP		Latitude (Local) N42°02'17.29170"		Longitude (Local) W104°57'58.11437"		Ellipsoid Height (m) 1459.821	
Location Photo  NORTH							
 <p>1188_2019_WY, 3W, 20190630</p>				 <p>1188_2019_WY, 3N, 20190630</p>			



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1189_2019_WY	Northing (m) 2139227.284	Easting (m) -735653.112	Elevation (m) 1543.402
Point Type LCP	Latitude (Local) N41°56'35.80325"	Longitude (Local) W104°56'53.91435"	Ellipsoid Height (m) 1529.010
Location Photo  NORTH			




1189_2019_WY, 3NW, 20190629



1189_2019_WY, 3NE, 20190629



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1190_2019_WY	Northing (m) 2127364.535	Easting (m) -728211.707	Elevation (m) 1552.490
Point Type LCP	Latitude (Local) N41°50'38.13394"	Longitude (Local) W104°50'41.74159"	Ellipsoid Height (m) 1537.496
Location Photo ↑ NORTH			





1190_2019_WY, 3SE, 20190627



1190_2019_WY, 3NE, 20190627



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1191_2019_WY	Northing (m) 2116789.823	Easting (m) -727815.842	Elevation (m) 1618.528
Point Type LCP	Latitude (Local) N41°45'00.54554"	Longitude (Local) W104°49'41.70082"	Ellipsoid Height (m) 1603.325
Location Photo  NORTH			





1191_2019_WY, 3N, 20190612



1191_2019_WY, 3E, 20190612



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1192_2019_WY	Northing (m) 2105264.704	Easting (m) -730399.671	Elevation (m) 1761.821
Point Type LCP	Latitude (Local) N41°38'43.64831"	Longitude (Local) W104°50'47.16607"	Ellipsoid Height (m) 1746.591
Location Photo  NORTH			





1192_2019_WY, 3NW, 20190612



1192_2019_WY, 3NE, 20190612



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 1193_2019_WY	Northing (m) 2370714.812	Easting (m) -1075575.921	Elevation (m) 2483.997
Point Type LCP	Latitude (Local) N43°38'37.17000"	Longitude (Local) W109°26'00.75518"	Ellipsoid Height (m) 2475.743
Location Photo  NORTH			







1193_2019_WY, 3S, 20190828



1193_2019_WY, 3E, 20190828



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2001A_2019_WY	Northing (m) 2173905.598	Easting (m) -715539.541	Elevation (m) 1324.978
Point Type NVA	Latitude (Local) N42°16'07.31912"	Longitude (Local) W104°44'37.48475"	Ellipsoid Height (m) 1310.079
Location Photo  NORTH			
 <p>2001A_2019_WY, 3S, 20190717</p>		 <p>2001A_2019_WY, 3E, 20190717</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2001B_2019_WY	Northing (m) 2173901.209	Easting (m) -715487.694	Elevation (m) 1324.944
Point Type NVA	Latitude (Local) N42°16'07.33177"	Longitude (Local) W104°44'35.19905"	Ellipsoid Height (m) 1310.042
Location Photo ↑ NORTH			







2001B_2019_WY, 3S, 20190717



2001B_2019_WY, 3E, 20190717





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2002A_2019_WY	Northing (m) 2150872.914	Easting (m) -735090.330	Elevation (m) 1451.006
Point Type NVA	Latitude (Local) N42°02'50.62735"	Longitude (Local) W104°57'17.32633"	Ellipsoid Height (m) 1436.624
Location Photo  NORTH			
 <p>2002A_2019_WY, 3W, 20190630</p>		 <p>2002A_2019_WY, 3S, 20190630</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2002B_2019_WY	Northing (m) 2150857.645	Easting (m) -735091.802	Elevation (m) 1451.104
Point Type NVA	Latitude (Local) N42°02'50.13365"	Longitude (Local) W104°57'17.32761"	Ellipsoid Height (m) 1436.722
Location Photo  NORTH			







2002B_2019_WY, 3N, 20190630



2002B_2019_WY, 3E, 20190630







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2003A_2019_WY	Northing (m) 2345384.927	Easting (m) -654857.981	Elevation (m) 1336.529
Point Type NVA	Latitude (Local) N43°50'46.23326"	Longitude (Local) W104°11'09.74002"	Ellipsoid Height (m) 1322.478
Location Photo  NORTH			
 <p>2003A_2019_WY, 3W, 20190717</p>		 <p>2003A_2019_WY, 3N, 20190717</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2003B_2019_WY	Northing (m) 2345370.597	Easting (m) -654866.894	Elevation (m) 1336.385
Point Type NVA	Latitude (Local) N43°50'45.74777"	Longitude (Local) W104°11'10.08375"	Ellipsoid Height (m) 1322.332
Location Photo  NORTH			
			
<small>2003B_2019_WY, 3W, 20190717</small>	<small>2003B_2019_WY, 3N, 20190717</small>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2004A_2019_MT	Northing (m) 2574295.734	Easting (m) -663225.235	Elevation (m) 1045.488
Point Type NVA	Latitude (Local) N45°53'17.61334"	Longitude (Local) W104°32'48.35646"	Ellipsoid Height (m) 1029.482
Location Photo  NORTH			





2004A_2019_MT, 3W, 20190731



2004A_2019_MT, 3N, 20190731



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2004B_2019_MT	Northing (m) 2574296.578	Easting (m) -663236.593	Elevation (m) 1045.452
Point Type NVA	Latitude (Local) N45°53'17.60752"	Longitude (Local) W104°32'48.88404"	Ellipsoid Height (m) 1029.447
Location Photo  NORTH			



2004B_2019_MT, 3N, 20190731



2004B_2019_MT, 3E, 20190731



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2005A_2019_WY	Northing (m) 2420344.027	Easting (m) -852461.353	Elevation (m) 1522.115
Point Type NVA	Latitude (Local) N44°20'20.31458"	Longitude (Local) W106°44'35.71943"	Ellipsoid Height (m) 1509.904
Location Photo  NORTH			




2005A_2019_WY, 3W, 20190807



2005A_2019_WY, 3S, 20190807



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2005B_2019_WY	Northing (m) 2420348.856	Easting (m) -852502.067	Elevation (m) 1522.779
Point Type NVA	Latitude (Local) N44°20'20.32121"	Longitude (Local) W106°44'37.57557"	Ellipsoid Height (m) 1510.574
Location Photo ↑ NORTH			




2005B_2019_WY, 3W, 20190807



2005B_2019_WY, 3S, 20190807



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2006A_2019_WY	Northing (m) 2273566.597	Easting (m) -1031399.000	Elevation (m) 1627.657
Point Type NVA	Latitude (Local) N42°50'10.24161"	Longitude (Local) W108°43'37.46364"	Ellipsoid Height (m) 1615.581
Location Photo ↑ NORTH			




2006A_2019_WY, 3N, 20190818



2006A_2019_WY, 3E, 20190818



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2006B_2019_WY	Northing (m) 2273572.558	Easting (m) -1031412.267	Elevation (m) 1627.366
Point Type NVA	Latitude (Local) N42°50'10.37489"	Longitude (Local) W108°43'38.08122"	Ellipsoid Height (m) 1615.291
Location Photo ↑ NORTH			







2006B_2019_WY, 3N, 20190818



2006B_2019_WY, 3E, 20190818







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2007A_2019_WY	Northing (m) 2289491.179	Easting (m) -1122876.742	Elevation (m) 2186.286
Point Type NVA	Latitude (Local) N42°51'47.22555"	Longitude (Local) W109°52'08.60576"	Ellipsoid Height (m) 2174.771
Location Photo  NORTH			
 <p>2007A_2019_WY, 3N, 20190831</p>		 <p>2007A_2019_WY, 3E, 20190831</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2007B_2019_WY	Northing (m) 2289488.565	Easting (m) -1122858.659	Elevation (m) 2186.249
Point Type NVA	Latitude (Local) N42°51'47.22694"	Longitude (Local) W109°52'07.79621"	Ellipsoid Height (m) 2174.735
Location Photo  NORTH			
 <p>2007B_2019_WY, 3W, 20190831</p>		 <p>2007B_2019_WY, 3S, 20190831</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2008A_2019_WY	Northing (m) 2361311.152	Easting (m) -1093922.008	Elevation (m) 2115.929
Point Type NVA	Latitude (Local) N43°32'12.88047"	Longitude (Local) W109°38'34.15410"	Ellipsoid Height (m) 2107.863
Location Photo  NORTH			
 <p>2008A_2019_WY,3N , 20190820</p>	 <p>2008A_2019_WY,3B , 20190820</p>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2008B_2019_WY	Northing (m) 2361301.989	Easting (m) -1093926.056	Elevation (m) 2114.933
Point Type NVA	Latitude (Local) N43°32'12.56929"	Longitude (Local) W109°38'34.27471"	Ellipsoid Height (m) 2106.867
Location Photo  NORTH			
			
2008B_2019_WY,3N , 20190820		2008B_2019_WY,3E , 20190820	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2009A_2019_WY	Northing (m) 2256380.734	Easting (m) -1147927.822	Elevation (m) 2080.115
Point Type NVA	Latitude (Local) N42°32'13.84243"	Longitude (Local) W110°06'49.25912"	Ellipsoid Height (m) 2067.352
Location Photo ↑ NORTH			







2009A_2019_WY, 3W, 20190903



2009A_2019_WY, 3N, 20190903







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2009B_2019_WY	Northing (m) 2256393.426	Easting (m) -1147925.467	Elevation (m) 2080.057
Point Type NVA	Latitude (Local) N42°32'14.25789"	Longitude (Local) W110°06'49.23924"	Ellipsoid Height (m) 2067.294
Location Photo  NORTH			
			
<small>2009B_2019_WY, 3W, 20190903</small>	<small>2009B_2019_WY, 3N, 20190903</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2010A_2019_WY	Northing (m) 2357686.268	Easting (m) -978399.383	Elevation (m) 1318.615
Point Type NVA	Latitude (Local) N43°38'42.41674"	Longitude (Local) W108°12'46.94070"	Ellipsoid Height (m) 1305.625
Location Photo  NORTH			
 <p>2010A_2019_MT,3N, 20190806</p>		 <p>2010A_2019_MT,3E, 20190806</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2010B_2019_WY	Northing (m) 2357684.497	Easting (m) -978387.898	Elevation (m) 1318.610
Point Type NVA	Latitude (Local) N43°38'42.40756"	Longitude (Local) W108°12'46.42009"	Ellipsoid Height (m) 1305.620
Location Photo  NORTH			
			
<small>2010B_2019_MT,3N, 20190806</small>	<small>2010B_2019_MT,3E, 20190806</small>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2011_2019_WY	Northing (m) 2357480.703	Easting (m) -979470.290	Elevation (m) 1347.410
Point Type NVA	Latitude (Local) N43°38'31.40978"	Longitude (Local) W108°13'33.35389"	Ellipsoid Height (m) 1334.432
Location Photo ↑ NORTH			





2011_2019_MT,3N, 20190806



2011_2019_MT,3E, 20190806



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2012_2019_WY	Northing (m) 2409737.375	Easting (m) -661985.590	Elevation (m) 1414.224
Point Type NVA	Latitude (Local) N44°24'56.37068"	Longitude (Local) W104°20'42.52729"	Ellipsoid Height (m) 1400.582
Location Photo  NORTH			




2012_2019_WY, 3S, 20190720



2012_2019_WY, 3E, 20190720



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2013_2019_WY	Northing (m) 2408264.021	Easting (m) -663682.430	Elevation (m) 1448.781
Point Type NVA	Latitude (Local) N44°24'04.13856"	Longitude (Local) W104°21'53.26714"	Ellipsoid Height (m) 1435.163
Location Photo ↑ NORTH			







2013_2019_WY, 3N, 20190720



2013_2019_WY, 3E, 20190720







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2014_2019_WY	Northing (m) 2407514.497	Easting (m) -666093.501	Elevation (m) 1478.370
Point Type NVA	Latitude (Local) N44°23'33.15735"	Longitude (Local) W104°23'39.10141"	Ellipsoid Height (m) 1464.766
Location Photo  NORTH			
 <p>2014_2019_WY, 3W, 20190720</p>		 <p>2014_2019_WY, 3N, 20190720</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2015_2019_WY	Northing (m) 2397541.473	Easting (m) -710842.527	Elevation (m) 1309.898
Point Type NVA	Latitude (Local) N44°16'00.65451"	Longitude (Local) W104°56'35.20093"	Ellipsoid Height (m) 1295.545
Location Photo  NORTH			
 <p>2015_2019_WY, 3W, 20190724</p>		 <p>2015_2019_WY, 3S, 20190724</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2016_2019_WY	Northing (m) 2370982.083	Easting (m) -648699.765	Elevation (m) 1789.533
Point Type NVA	Latitude (Local) N44°04'46.51317"	Longitude (Local) W104°08'12.35128"	Ellipsoid Height (m) 1776.417
Location Photo  NORTH			







2016_2019_WY, 3S, 20190722



2016_2019_WY, 3E, 20190722




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2017_2019_WY	Northing (m) 2430714.268	Easting (m) -688021.713	Elevation (m) 1203.053
Point Type NVA	Latitude (Local) N44°34'56.18559"	Longitude (Local) W104°41'44.53337"	Ellipsoid Height (m) 1189.049
Location Photo  NORTH			
 <p>2017_2019_WY, 3W, 20190722</p>		 <p>2017_2019_WY, 3NW, 20190722</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2018_2019_WY	Northing (m) 2432745.007	Easting (m) -690422.875	Elevation (m) 1291.635
Point Type NVA	Latitude (Local) N44°35'54.44168"	Longitude (Local) W104°43'41.63487"	Ellipsoid Height (m) 1277.602
Location Photo  NORTH			



2018_2019_WY, 3SE, 20190722



2018_2019_WY, 3E, 20190722



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2019_2019_WY	Northing (m) 2230350.173	Easting (m) -700061.216	Elevation (m) 1600.043
Point Type NVA	Latitude (Local) N42°47'02.95310"	Longitude (Local) W104°37'04.87752"	Ellipsoid Height (m) 1585.687
Location Photo  NORTH			




2019_2019_WY, 3N, 20190616



2019_2019_WY, 3E, 20190616



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2020_2019_WY	Northing (m) 2202143.191	Easting (m) -736277.671	Elevation (m) 1437.261
Point Type NVA	Latitude (Local) N42°30'10.19383"	Longitude (Local) W105°01'42.05668"	Ellipsoid Height (m) 1423.184
Location Photo ↑ NORTH			




2020_2019_WY, 3W, 20190619



2020_2019_WY, 3N, 20190619



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2021_2019_WY	Northing (m) 2117347.748	Easting (m) -726981.664	Elevation (m) 1611.052
Point Type NVA	Latitude (Local) N41°45'20.90685"	Longitude (Local) W104°49'07.73780"	Ellipsoid Height (m) 1595.810
Location Photo ↑ NORTH			




2021_2019_WY, 3W, 20190612



2021_2019_WY, 3S, 20190612



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2022_2019_WY	Northing (m) 2340204.338	Easting (m) -847942.224	Elevation (m) 1402.211
Point Type NVA	Latitude (Local) N43°37'45.86887"	Longitude (Local) W106°34'29.49845"	Ellipsoid Height (m) 1389.039
Location Photo  NORTH			





2022_2019_WY, 3SE, 20190731



2022_2019_WY, 3NE, 20190731



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2022A_2019_WY	Northing (m) 2340281.969	Easting (m) -848001.517	Elevation (m) 1401.407
Point Type NVA	Latitude (Local) N43°37'48.14533"	Longitude (Local) W106°34'32.52483"	Ellipsoid Height (m) 1388.237
Location Photo  NORTH			







2022A_2019_WY, 3SW, 20190731



2022A_2019_WY, 3NW, 20190731







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2022B_2019_WY	Northing (m) 2340289.119	Easting (m) -848014.904	Elevation (m) 1401.585
Point Type NVA	Latitude (Local) N43°37'48.32662"	Longitude (Local) W106°34'33.15651"	Ellipsoid Height (m) 1388.417
Location Photo  NORTH			
 <p>2022B_2019_WY, 3SW, 20190731</p>		 <p>2022B_2019_WY, 3SE, 20190731</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2023A_2019_WY	Northing (m) 2343450.532	Easting (m) -851932.901	Elevation (m) 1457.120
Point Type NVA	Latitude (Local) N43°39'15.60969"	Longitude (Local) W106°37'43.41124"	Ellipsoid Height (m) 1444.159
Location Photo  NORTH			
 <p>2023A_2019_WY, 3SW, 20190801</p>	 <p>2023A_2019_WY, 3SE, 20190801</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2023B_2019_WY	Northing (m) 2343438.405	Easting (m) -851923.684	Elevation (m) 1457.036
Point Type NVA	Latitude (Local) N43°39'15.25408"	Longitude (Local) W106°37'42.94008"	Ellipsoid Height (m) 1444.074
Location Photo  NORTH			
 <p>2023B_2019_WY, 3NW, 20190801</p>		 <p>2023B_2019_WY, 3NE, 20190801</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2024_2019_WY	Northing (m) 2350666.120	Easting (m) -852137.888	Elevation (m) 1429.979
Point Type NVA	Latitude (Local) N43°43'06.21320"	Longitude (Local) W106°38'28.67855"	Ellipsoid Height (m) 1417.037
Location Photo  NORTH			
 <p>2024_2019_WY, 3SW, 20190803</p>		 <p>2024_2019_WY, 3NW, 20190803</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2025_2019_WY	Northing (m) 2419755.934	Easting (m) -864109.678	Elevation (m) 2139.979
Point Type NVA	Latitude (Local) N44°19'18.70815"	Longitude (Local) W106°53'16.57206"	Ellipsoid Height (m) 2129.588
Location Photo  NORTH			
 <p>2025_2019_WY, 3W, 20190808</p>	 <p>2025_2019_WY, 3S, 20190808</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2026_2019_WY	Northing (m) 2420654.177	Easting (m) -848753.772	Elevation (m) 1416.955
Point Type NVA	Latitude (Local) N44°20'43.75235"	Longitude (Local) W106°41'50.50603"	Ellipsoid Height (m) 1404.289
Location Photo  NORTH			
 <p>2026_2019_WY, 3W, 20190807</p>	 <p>2026_2019_WY, 3N, 20190807</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2027_2019_WY	Northing (m) 2424060.282	Easting (m) -848197.567	Elevation (m) 1437.053
Point Type NVA	Latitude (Local) N44°22'35.11064"	Longitude (Local) W106°41'42.80142"	Ellipsoid Height (m) 1424.273
Location Photo  NORTH			
 <p>2027_2019_WY, 3N, 20190806</p>		 <p>2027_2019_WY, 3E, 20190806</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2028_2019_WY	Northing (m) 2400224.231	Easting (m) -816607.910	Elevation (m) 1412.019
Point Type NVA	Latitude (Local) N44°11'42.17857"	Longitude (Local) W106°16'03.76456"	Ellipsoid Height (m) 1397.586
Location Photo  NORTH			
 <p>2028_2019_WY, 3S, 20190802</p>		 <p>2028_2019_WY, 3E, 20190802</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2029_2019_WY	Northing (m) 2408464.503	Easting (m) -850853.732	Elevation (m) 1617.491
Point Type NVA	Latitude (Local) N44°14'04.88642"	Longitude (Local) W106°42'22.93679"	Ellipsoid Height (m) 1605.152
Location Photo  NORTH			
 <p>2029_2019_WY, 3N, 20190924</p>		 <p>2029_2019_WY, 3E, 20190924</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2030_2019_WY	Northing (m) 2235550.704	Easting (m) -992180.758	Elevation (m) 2000.922
Point Type NVA	Latitude (Local) N42°32'41.33001"	Longitude (Local) W108°11'19.38717"	Ellipsoid Height (m) 1988.182
Location Photo  NORTH			





2030_2019_WY, 3W, 20190807



2030_2019_WY, 3S, 20190807



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2031_2019_WY	Northing (m) 2271916.871	Easting (m) -1031572.115	Elevation (m) 1689.263
Point Type NVA	Latitude (Local) N42°49'16.82235"	Longitude (Local) W108°43'35.30671"	Ellipsoid Height (m) 1677.253
Location Photo  NORTH			







2031_2019_WY, 3N, 20190818



2031_2019_WY, 3E, 20190818



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2032_2019_WY	Northing (m) 2273472.836	Easting (m) -1032825.104	Elevation (m) 1638.259
Point Type NVA	Latitude (Local) N42°50'01.10892"	Longitude (Local) W108°44'39.50341"	Ellipsoid Height (m) 1626.316
Location Photo  NORTH			
 <p>2032_2019_WY, 3N, 20190818</p>	 <p>2032_2019_WY, 3E, 20190818</p>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2033_2019_WY	Northing (m) 2274312.106	Easting (m) -1031964.348	Elevation (m) 1626.344
Point Type NVA	Latitude (Local) N42°50'31.61260"	Longitude (Local) W108°44'06.68990"	Ellipsoid Height (m) 1614.298
Location Photo ↑ NORTH			







2033_2019_WY, 3W, 20190811



2033_2019_WY, 3N, 20190818







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2034_2019_WY	Northing (m) 2258232.979	Easting (m) -1147316.567	Elevation (m) 2093.818
Point Type NVA	Latitude (Local) N42°33'15.74945"	Longitude (Local) W110°06'34.68276"	Ellipsoid Height (m) 2081.095
Location Photo  NORTH			
 <p>2034_2019_WY, 3N, 20190903</p>		 <p>2034_2019_WY, 3E, 20190903</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2035_2019_WY	Northing (m) 2357641.851	Easting (m) -976921.656	Elevation (m) 1328.459
Point Type NVA	Latitude (Local) N43°38'47.10079"	Longitude (Local) W108°11'41.00755"	Ellipsoid Height (m) 1315.464
Location Photo  NORTH			
 <p>2035_2019_MT,3N, 20190806</p>		 <p>2035_2019_MT,3E, 20190806</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2035A_2019_WY	Northing (m) 2443265.483	Easting (m) -856147.683	Elevation (m) 1430.629
Point Type NVA	Latitude (Local) N44°32'22.68156"	Longitude (Local) W106°49'19.44635"	Ellipsoid Height (m) 1418.048
Location Photo  NORTH			




2035A_2019_WY, 3W, 20190805



2035A_2019_WY, 3N, 20190805



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2036_2019_WY	Northing (m) 2401383.599	Easting (m) -803435.334	Elevation (m) 1222.181
Point Type NVA	Latitude (Local) N44°13'04.91740"	Longitude (Local) W106°06'17.58652"	Ellipsoid Height (m) 1207.595
Location Photo ↑ NORTH			







2036_2019_WY, 3S, 20190801



2036_2019_WY, 3E, 20190801







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2037_2019_WY	Northing (m) 2403286.914	Easting (m) -823152.369	Elevation (m) 1418.572
Point Type NVA	Latitude (Local) N44°12'57.62134"	Longitude (Local) W106°21'12.71499"	Ellipsoid Height (m) 1404.301
Location Photo  NORTH			
 <p>2037_2019_WY, 3S, 20190802</p>		 <p>2037_2019_WY, 3E, 20190802</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2038_2019_WY	Northing (m) 2120353.588	Easting (m) -724538.746	Elevation (m) 1592.818
Point Type NVA	Latitude (Local) N41°47'04.47436"	Longitude (Local) W104°47'33.77319"	Ellipsoid Height (m) 1577.484
Location Photo  NORTH			
 <p>2038_2019_WY, 3S, 20190627</p>		 <p>2038_2019_WY, 3E, 20190627</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2039_2019_WY	Northing (m) 2130239.596	Easting (m) -726060.446	Elevation (m) 1523.281
Point Type NVA	Latitude (Local) N41°52'16.67076"	Longitude (Local) W104°49'19.85271"	Ellipsoid Height (m) 1508.189
Location Photo  NORTH			





2039_2019_WY, 3S, 20190627



2039_2019_WY, 3E, 20190627



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2040_2019_WY	Northing (m) 2130663.086	Easting (m) -730254.453	Elevation (m) 1576.184
Point Type NVA	Latitude (Local) N41°52'17.69244"	Longitude (Local) W104°52'23.97326"	Ellipsoid Height (m) 1561.382
Location Photo  NORTH			





2040_2019_WY, 3W, 20190627



2040_2019_WY, 3N, 20190627



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2040A_2019_WY	Northing (m) 2130621.737	Easting (m) -730543.249	Elevation (m) 1579.777
Point Type NVA	Latitude (Local) N41°52'15.50111"	Longitude (Local) W104°52'36.36448"	Ellipsoid Height (m) 1564.995
Location Photo  NORTH			





2040A_2019_WY, 3SE, 20190627



2040A_2019_WY, 3NE, 20190627



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2041_2019_WY	Northing (m) 2152798.191	Easting (m) -735665.860	Elevation (m) 1441.761
Point Type NVA	Latitude (Local) N42°03'50.57254"	Longitude (Local) W104°57'50.35736"	Ellipsoid Height (m) 1427.432
Location Photo  NORTH			




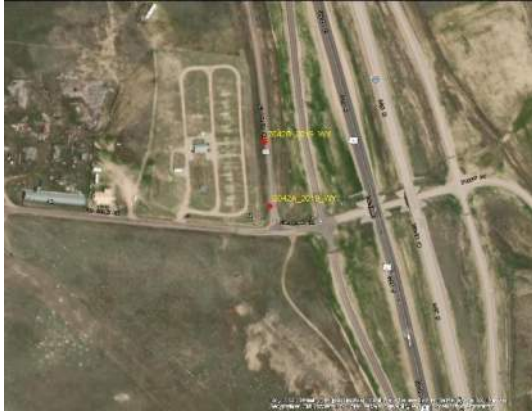
2041_2019_WY, 3SW, 20190630



2041_2019_WY, 3NW, 20190630



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2042A_2019_WY	Northing (m) 2175669.624	Easting (m) -739875.661	Elevation (m) 1493.389
Point Type NVA	Latitude (Local) N42°15'50.65663"	Longitude (Local) W105°02'29.07998"	Ellipsoid Height (m) 1479.530
Location Photo  NORTH			




2042A_2019_WY, 3W, 20190715



2042A_2019_WY, 3S, 20190715



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2042B_2019_WY	Northing (m) 2175750.493	Easting (m) -739882.480	Elevation (m) 1494.299
Point Type NVA	Latitude (Local) N42°15'53.22742"	Longitude (Local) W105°02'29.71560"	Ellipsoid Height (m) 1480.440
Location Photo  NORTH			





2042B_2019_WY, 3S, 20190715



2042B_2019_WY, 3E, 20190715



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2043_2019_WY	Northing (m) 2227158.937	Easting (m) -687208.910	Elevation (m) 1531.146
Point Type NVA	Latitude (Local) N42°45'57.70780"	Longitude (Local) W104°27'25.77589"	Ellipsoid Height (m) 1516.774
Location Photo  NORTH			





2043_2019_WY, 3S, 20190615



2043_2019_WY, 3E, 20190615



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2044_2019_WY	Northing (m) 2225344.545	Easting (m) -689374.380	Elevation (m) 1549.139
Point Type NVA	Latitude (Local) N42°44'53.28150"	Longitude (Local) W104°28'54.05066"	Ellipsoid Height (m) 1534.798
Location Photo  NORTH			







2044_2019_WY, 3NW, 20190615



2044_2019_WY, 3NE, 20190615





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2045_2019_WY	Northing (m) 2225674.880	Easting (m) -686436.943	Elevation (m) 1531.090
Point Type NVA	Latitude (Local) N42°45'12.29730"	Longitude (Local) W104°26'45.92690"	Ellipsoid Height (m) 1516.703
Location Photo  NORTH			
 <p>2045_2019_WY, 3W, 20190615</p>		 <p>2045_2019_WY, 3N, 20190615</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2046_2019_WY	Northing (m) 2293600.364	Easting (m) -662160.726	Elevation (m) 1149.770
Point Type NVA	Latitude (Local) N43°22'41.62168"	Longitude (Local) W104°13'15.64790"	Ellipsoid Height (m) 1134.703
Location Photo  NORTH			







2046_2019_WY, 3N, 20190718



2046_2019_WY,
3E, 20190718







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2047_2019_WY	Northing (m) 2346123.947	Easting (m) -656637.760	Elevation (m) 1311.640
Point Type NVA	Latitude (Local) N43°51'05.04641"	Longitude (Local) W104°12'32.30155"	Ellipsoid Height (m) 1297.535
Location Photo  NORTH			
			
<small>2047_2019_WY, 3N, 20190717</small>	<small>2047_2019_WY, 3E, 20190717</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2048_2019_WY	Northing (m) 2346877.767	Easting (m) -660564.610	Elevation (m) 1280.582
Point Type NVA	Latitude (Local) N43°51'18.31683"	Longitude (Local) W104°15'31.08646"	Ellipsoid Height (m) 1266.348
Location Photo  NORTH			
			
<small>2048_2019_WY, 3N, 20190717</small>	<small>2048_2019_WY, 3E, 20190717</small>		




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2049_2019_WY	Northing (m) 2346205.234	Easting (m) -658023.114	Elevation (m) 1289.742
Point Type NVA	Latitude (Local) N43°51'03.79873"	Longitude (Local) W104°13'34.65530"	Ellipsoid Height (m) 1275.583
Location Photo  NORTH			
 <p>2049_2019_WY, 3N, 20190717</p>		 <p>2049_2019_WY, 3E, 20190717</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2050_2019_WY	Northing (m) 2345258.915	Easting (m) -657399.450	Elevation (m) 1299.203
Point Type NVA	Latitude (Local) N43°50'35.11177"	Longitude (Local) W104°13'03.05322"	Ellipsoid Height (m) 1285.032
Location Photo  NORTH			
 <p>2050_2019_WY, 3W, 20190717</p>	 <p>2050_2019_WY, 3E, 20190717</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2051_2019_MT	Northing (m) 2503560.377	Easting (m) -698702.997	Elevation (m) 1132.420
Point Type NVA	Latitude (Local) N45°13'30.27376"	Longitude (Local) W104°54'57.78708"	Ellipsoid Height (m) 1117.744
Location Photo  NORTH			
 <p>2051_2019_MT,3N, 20190803</p>		 <p>2051_2019_MT,3E, 20190803</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2052_2019_WY	Northing (m) 2439385.324	Easting (m) -677264.247	Elevation (m) 1277.925
Point Type NVA	Latitude (Local) N44°40'06.85682"	Longitude (Local) W104°34'13.22636"	Ellipsoid Height (m) 1263.845
Location Photo  NORTH			
 <p>2052_2019_WY,3N, 20190722</p>	 <p>2052_2019_WY,3E, 20190722</p>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2053_2019_WY	Northing (m) 2367641.709	Easting (m) -1102847.409	Elevation (m) 2208.262
Point Type NVA	Latitude (Local) N43°34'53.58940"	Longitude (Local) W109°45'50.20514"	Ellipsoid Height (m) 2200.292
Location Photo  NORTH			
 <p>2053_2019_WY, 3N, 20190827</p>		 <p>2053_2019_WY, 3E, 20190827</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2054_2019_WY	Northing (m) 2260719.858	Easting (m) -1026526.709	Elevation (m) 1692.568
Point Type NVA	Latitude (Local) N42°43'40.95164"	Longitude (Local) W108°38'48.08312"	Ellipsoid Height (m) 1680.484
Location Photo ↑ NORTH			





2054_2019_WY,3N, 20190819



2054_2019_WY,3E, 20190819



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2055_2019_WY	Northing (m) 2422154.164	Easting (m) -639866.416	Elevation (m) 1094.500
Point Type NVA	Latitude (Local) N44°32'37.80058"	Longitude (Local) W104°04'51.41283"	Ellipsoid Height (m) 1080.110
Location Photo  NORTH			





2055_2019_WY, 3N, 20190720



2055_2019_WY,
3E, 20190720



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2056_2019_WY	Northing (m) 2401155.300	Easting (m) -807732.863	Elevation (m) 1206.068
Point Type NVA	Latitude (Local) N44°12'42.81736"	Longitude (Local) W106°09'29.59247"	Ellipsoid Height (m) 1191.491
Location Photo  NORTH			





2056_2019_WY, 3N, 20190801



2056_2019_WY, 3E, 20190801







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2057_2019_WY	Northing (m) 2376131.350	Easting (m) -686920.978	Elevation (m) 1296.418
Point Type NVA	Latitude (Local) N44°05'43.47067"	Longitude (Local) W104°37'10.09733"	Ellipsoid Height (m) 1282.291
Location Photo  NORTH			
 <p>2057_2019_WY, 3S, 20190722</p>	 <p>2057_2019_WY, 3E, 20190722</p>		







GCP OBSERVATION LOG

Project Number 79935		Project Name WY FEMA East Lidar		Company Woolpert		Field Operator DM/EN/NP/SH/BW	
Coordinate System Albers Equal Area (ESPG 6350)		Hor. Datum NAD 1983 (Conus)		Ver. Datum NAVD88		Zone Albers Equal Area ESPG 6350	
Station ID 2058_2019_WY		Northing (m) 2409883.817		Easting (m) -834025.823		Elevation (m) 1364.150	
Point Type NVA		Latitude (Local) N44°15'50.95374"		Longitude (Local) W106°29'53.96788"		Ellipsoid Height (m) 1350.347	
Location Photo  NORTH							
 <p>2058_2019_WY, 3W, 20190802</p>				 <p>2058_2019_WY, 3N, 20190802</p>			







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2058A_2019_WY	Northing (m) 2410047.040	Easting (m) -834263.983	Elevation (m) 1368.551
Point Type NVA	Latitude (Local) N44°15'55.34540"	Longitude (Local) W106°30'05.48656"	Ellipsoid Height (m) 1354.764
Location Photo  NORTH			
 <p>2058A_2019_WY, 3S, 20190802</p>		 <p>2058A_2019_WY, 3E, 20190802</p>	


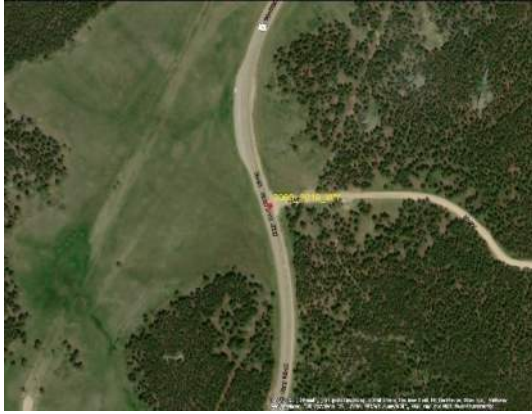




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2059_2019_WY	Northing (m) 2275347.686	Easting (m) -671263.297	Elevation (m) 1233.325
Point Type NVA	Latitude (Local) N43°12'29.85892"	Longitude (Local) W104°18'49.24238"	Ellipsoid Height (m) 1218.271
Location Photo  NORTH			
 <p>2059_2019_WY, 3S, 20190622</p>	 <p>2059_2019_WY, 3E, 20190622</p>		





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2060_2019_WY	Northing (m) 2416173.793	Easting (m) -869476.812	Elevation (m) 2399.445
Point Type NVA	Latitude (Local) N44°17'03.88620"	Longitude (Local) W106°56'59.24595"	Ellipsoid Height (m) 2389.908
Location Photo  NORTH			
 <p>2060_2019_WY, 3W, 20190807</p>		 <p>2060_2019_WY, 3N, 20190807</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2061_2019_WY	Northing (m) 2284621.200	Easting (m) -669349.969	Elevation (m) 1201.701
Point Type NVA	Latitude (Local) N43°17'33.07100"	Longitude (Local) W104°18'00.38788"	Ellipsoid Height (m) 1186.544
Location Photo  NORTH			







2061_2019_WY, 3N, 20190718



2061_2019_WY, 3E, 20190718







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2062_2019_WY	Northing (m) 2398292.385	Easting (m) -712784.841	Elevation (m) 1267.437
Point Type NVA	Latitude (Local) N44°16'18.89768"	Longitude (Local) W104°58'05.85085"	Ellipsoid Height (m) 1253.054
Location Photo  NORTH			
 <p>2062_2019_WY, 3S, 20190724</p>	 <p>2062_2019_WY, 3E, 20190724</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2063A_2019_WY	Northing (m) 2164088.968	Easting (m) -737681.235	Elevation (m) 1387.922
Point Type NVA	Latitude (Local) N42°09'46.24127"	Longitude (Local) W105°00'05.00824"	Ellipsoid Height (m) 1373.798
Location Photo  NORTH			
 <p style="text-align: center;">2063A_2019_WY, 3N, 20190715</p>	 <p style="text-align: center;">2063A_2019_WY, 3E, 20190715</p>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2063B_2019_WY	Northing (m) 2164022.008	Easting (m) -737681.644	Elevation (m) 1387.729
Point Type NVA	Latitude (Local) N42°09'44.09433"	Longitude (Local) W105°00'04.74833"	Ellipsoid Height (m) 1373.605
Location Photo  NORTH			
 <p style="text-align: center;">2063B_2019_WY, 3N, 20190715</p>		 <p style="text-align: center;">2063B_2019_WY, 3E, 20190715</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2064_2019_WY	Northing (m) 2151095.695	Easting (m) -736879.767	Elevation (m) 1468.103
Point Type NVA	Latitude (Local) N42°02'52.34014"	Longitude (Local) W104°58'36.25669"	Ellipsoid Height (m) 1453.839
Location Photo ↑ NORTH			





2064_2019_WY, 3S, 20190630



2064_2019_WY, 3E, 20190630



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2065_2019_WY	Northing (m) 2106335.570	Easting (m) -730171.704	Elevation (m) 1777.216
Point Type NVA	Latitude (Local) N41°39'18.63045"	Longitude (Local) W104°50'41.61667"	Ellipsoid Height (m) 1761.991
Location Photo  NORTH			



2065_2019_WY, 3S, 20190612



2065_2019_WY, 3E, 20190612



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2066_2019_WY	Northing (m) 2278687.394	Easting (m) -1020264.720	Elevation (m) 1570.975
Point Type NVA	Latitude (Local) N42°53'41.43026"	Longitude (Local) W108°35'58.63581"	Ellipsoid Height (m) 1557.957
Location Photo  NORTH			







2066_2019_WY, 3S, 20190819



2066_2019_WY, 3E, 20190819



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2067_2019_WY	Northing (m) 2355859.202	Easting (m) -979116.111	Elevation (m) 1325.905
Point Type NVA	Latitude (Local) N43°37'40.99724"	Longitude (Local) W108°13'08.29649"	Ellipsoid Height (m) 1312.928
Location Photo  NORTH			
 <p>2067_2019_WY, 3W, 20190922</p>		 <p>2067_2019_WY, 3N, 20190922</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2067A_2019_WY	Northing (m) 2356014.774	Easting (m) -979139.029	Elevation (m) 1327.166
Point Type NVA	Latitude (Local) N43°37'45.87974"	Longitude (Local) W108°13'10.20855"	Ellipsoid Height (m) 1314.189
Location Photo ↑ NORTH			







2067A_2019_WY, 3N, 20190922



2067A_2019_WY, 3E, 20190922







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2068_2019_WY	Northing (m) 2234921.699	Easting (m) -987786.058	Elevation (m) 2038.743
Point Type NVA	Latitude (Local) N42°32'39.30113"	Longitude (Local) W108°08'03.60838"	Ellipsoid Height (m) 2025.971
Location Photo  NORTH			
			
2068_2019_WY, 3W, 20190807		2068_2019_WY, 3N, 20190807	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2069_2019_WY	Northing (m) 2266179.981	Easting (m) -1026942.910	Elevation (m) 1658.312
Point Type NVA	Latitude (Local) N42°46'33.50792"	Longitude (Local) W108°39'38.39669"	Ellipsoid Height (m) 1646.095
Location Photo  NORTH			
 <p>2069_2019_WY, 3W, 20190818</p>		 <p>2069_2019_WY, 3N, 20190818</p>	







GCP OBSERVATION LOG

Project Number 79935		Project Name WY FEMA East Lidar		Company Woolpert		Field Operator DM/EN/NP/SH/BW	
Coordinate System Albers Equal Area (ESPG 6350)		Hor. Datum NAD 1983 (Conus)		Ver. Datum NAVD88		Zone Albers Equal Area ESPG 6350	
Station ID 2070_2019_WY		Northing (m) 2391042.215		Easting (m) -847206.503		Elevation (m) 1413.223	
Point Type NVA		Latitude (Local) N44°04'59.02126"		Longitude (Local) W106°38'11.14043"		Ellipsoid Height (m) 1400.244	
Location Photo  NORTH							
 <p>2070_2019_WY, 3W, 20190924</p>				 <p>2070_2019_WY, 3N, 20190924</p>			







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2071_2019_WY	Northing (m) 2444798.767	Easting (m) -858169.677	Elevation (m) 1463.405
Point Type NVA	Latitude (Local) N44°33'04.47801"	Longitude (Local) W106°50'58.59310"	Ellipsoid Height (m) 1451.004
Location Photo  NORTH			
 <p>2071_2019_WY, 3SE, 20190805</p>		 <p>2071_2019_WY, 3NE, 20190805</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2072_2019_WY	Northing (m) 2440834.775	Easting (m) -834856.692	Elevation (m) 1270.755
Point Type NVA	Latitude (Local) N44°32'21.83721"	Longitude (Local) W106°33'06.40348"	Ellipsoid Height (m) 1256.606
Location Photo  NORTH			
 <p>2072_2019_WY, 3W, 20190804</p>		 <p>2072_2019_WY, 3S, 20190804</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2073_2019_WY	Northing (m) 2438225.822	Easting (m) -835394.024	Elevation (m) 1276.985
Point Type NVA	Latitude (Local) N44°30'56.11854"	Longitude (Local) W106°33'17.52156"	Ellipsoid Height (m) 1262.917
Location Photo  NORTH			
 2073_2019_WY, 3W, 20190804	 2073_2019_WY, 3S, 20190804		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2074_2019_WY	Northing (m) 2430394.199	Easting (m) -838594.940	Elevation (m) 1311.973
Point Type NVA	Latitude (Local) N44°26'33.13360"	Longitude (Local) W106°35'02.40525"	Ellipsoid Height (m) 1298.272
Location Photo  NORTH			




2074_2019_WY, 3N, 20190804



2074_2019_WY, 3E, 20190804



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2075_2019_WY	Northing (m) 2423398.664	Easting (m) -843644.676	Elevation (m) 1363.781
Point Type NVA	Latitude (Local) N44°22'30.34470"	Longitude (Local) W106°38'14.50794"	Ellipsoid Height (m) 1350.596
Location Photo ↑ NORTH			





2075_2019_WY, 3SW, 20190803



2075_2019_WY, 3NW, 20190803



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2076_2019_WY	Northing (m) 2424614.185	Easting (m) -842531.797	Elevation (m) 1349.217
Point Type NVA	Latitude (Local) N44°23'13.38278"	Longitude (Local) W106°37'30.55569"	Ellipsoid Height (m) 1335.920
Location Photo  NORTH			







2076_2019_WY, 3W, 20190803



2076_2019_WY, 3N, 20190803







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2077_2019_WY	Northing (m) 2426251.421	Easting (m) -841810.646	Elevation (m) 1340.686
Point Type NVA	Latitude (Local) N44°24'08.54707"	Longitude (Local) W106°37'06.35827"	Ellipsoid Height (m) 1327.302
Location Photo  NORTH			
 <p>2077_2019_WY, 3W, 20190803</p>		 <p>2077_2019_WY, 3N, 20190803</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2078_2019_WY	Northing (m) 2427253.309	Easting (m) -841311.258	Elevation (m) 1338.731
Point Type NVA	Latitude (Local) N44°24'42.51369"	Longitude (Local) W106°36'48.92935"	Ellipsoid Height (m) 1325.291
Location Photo  NORTH			
 <p>2078_2019_WY, 3W, 20190803</p>		 <p>2078_2019_WY, 3S, 20190803</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2079_2019_WY	Northing (m) 2428585.070	Easting (m) -839745.003	Elevation (m) 1321.282
Point Type NVA	Latitude (Local) N44°25'30.90990"	Longitude (Local) W106°35'45.10068"	Ellipsoid Height (m) 1307.698
Location Photo  NORTH			
 <p>2079_2019_WY, 3N, 20190804</p>		 <p>2079_2019_WY, 3E, 20190804</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2080_2019_WY	Northing (m) 2436239.824	Easting (m) -835641.560	Elevation (m) 1282.253
Point Type NVA	Latitude (Local) N44°29'51.44868"	Longitude (Local) W106°33'18.69639"	Ellipsoid Height (m) 1268.240
Location Photo  NORTH			







2080_2019_WY, 3N, 20190804



2080_2019_WY, 3E, 20190804





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2081_2019_WY	Northing (m) 2277582.197	Easting (m) -1019033.179	Elevation (m) 1611.496
Point Type NVA	Latitude (Local) N42°53'11.37419"	Longitude (Local) W108°34'58.05471"	Ellipsoid Height (m) 1598.429
Location Photo  NORTH			
 <p style="text-align: center;">2081_2019_WY, 3N, 20190819</p>	 <p style="text-align: center;">2081_2019_WY, 3E, 20190819</p>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2082_2019_WY	Northing (m) 2273950.090	Easting (m) -1018019.020	Elevation (m) 1705.051
Point Type NVA	Latitude (Local) N42°51'19.68197"	Longitude (Local) W108°33'52.27532"	Ellipsoid Height (m) 1692.026
Location Photo  NORTH			







2082_2019_WY, 3N, 20190819



2082_2019_WY, 3E, 20190819







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2083_2019_WY	Northing (m) 2273366.361	Easting (m) -1021055.642	Elevation (m) 1597.100
Point Type NVA	Latitude (Local) N42°50'48.12363"	Longitude (Local) W108°36'02.20508"	Ellipsoid Height (m) 1584.264
Location Photo  NORTH			
 <p>2083_2019_WY, 3N, 20190819</p>		 <p>2083_2019_WY, 3E, 20190819</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2084_2019_WY	Northing (m) 2271264.279	Easting (m) -1025506.597	Elevation (m) 1628.181
Point Type NVA	Latitude (Local) N42°49'21.99934"	Longitude (Local) W108°39'05.26363"	Ellipsoid Height (m) 1615.704
Location Photo  NORTH			
 <p>2084_2019_WY, 3N, 20190819</p>		 <p>2084_2019_WY, 3E, 20190819</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2085_2019_WY	Northing (m) 2269985.051	Easting (m) -1026316.105	Elevation (m) 1612.398
Point Type NVA	Latitude (Local) N42°48'37.68833"	Longitude (Local) W108°39'33.26876"	Ellipsoid Height (m) 1600.019
Location Photo  NORTH			
 2085_2019_WY, 3N, 20190921	 2085_2019_WY, 3E, 20190921		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2086_2019_WY	Northing (m) 2268369.870	Easting (m) -1029995.314	Elevation (m) 1683.568
Point Type NVA	Latitude (Local) N42°47'30.34670"	Longitude (Local) W108°42'05.17849"	Ellipsoid Height (m) 1671.535
Location Photo  NORTH			




2086_2019_WY, 3N, 20190819



2086_2019_WY, 3E, 20190819



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2087_2019_WY	Northing (m) 2267341.778	Easting (m) -1027573.750	Elevation (m) 1643.961
Point Type NVA	Latitude (Local) N42°47'07.90339"	Longitude (Local) W108°40'12.89860"	Ellipsoid Height (m) 1631.756
Location Photo ↑ NORTH			







2087_2019_WY, 3N, 20190818



2087_2019_WY, 3E, 20190818




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2088_2019_WY	Northing (m) 2263117.115	Easting (m) -1026517.011	Elevation (m) 1658.743
Point Type NVA	Latitude (Local) N42°44'57.53419"	Longitude (Local) W108°39'01.72795"	Ellipsoid Height (m) 1646.587
Location Photo  NORTH			
			
<small>2088_2019_WY,3N, 20190819</small>	<small>2088_2019_WY,3E, 20190819</small>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2089_2019_WY	Northing (m) 2257208.395	Easting (m) -1028845.103	Elevation (m) 1717.462
Point Type NVA	Latitude (Local) N42°41'38.92374"	Longitude (Local) W108°40'09.05509"	Ellipsoid Height (m) 1705.655
Location Photo ↑ NORTH			







2089_2019_WY, 3N, 20190821



2089_2019_WY, 3E, 20190821







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2090_2019_WY	Northing (m) 2258112.953	Easting (m) -1027709.536	Elevation (m) 1693.280
Point Type NVA	Latitude (Local) N42°42'12.66241"	Longitude (Local) W108°39'24.61754"	Ellipsoid Height (m) 1681.359
Location Photo  NORTH			
 <p>2090_2019_WY, 3N, 20190821</p>		 <p>2090_2019_WY, 3E, 20190821</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2091_2019_WY	Northing (m) 2260703.762	Easting (m) -1025148.034	Elevation (m) 1655.515
Point Type NVA	Latitude (Local) N42°43'46.32649"	Longitude (Local) W108°37'47.56032"	Ellipsoid Height (m) 1643.331
Location Photo  NORTH			
 <p>2091_2019_WY, 3N, 20190821</p>		 <p>2091_2019_WY, 3E, 20190821</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2092_2019_WY	Northing (m) 2256142.079	Easting (m) -1013118.055	Elevation (m) 1762.074
Point Type NVA	Latitude (Local) N42°42'11.70171"	Longitude (Local) W108°28'33.74445"	Ellipsoid Height (m) 1749.390
Location Photo  NORTH			
 <p style="text-align: center; font-size: small;">2092_2019_WY, 3W, 20190809</p>	 <p style="text-align: center; font-size: small;">2092_2019_WY, 3S, 20190809</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2093_2019_WY	Northing (m) 2251729.700	Easting (m) -1006941.073	Elevation (m) 1705.147
Point Type NVA	Latitude (Local) N42°40'16.74923"	Longitude (Local) W108°23'37.64462"	Ellipsoid Height (m) 1692.364
Location Photo  NORTH			
 2093_2019_WY, 3N, 20190809	 2093_2019_WY, 3E, 20190809		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2094_2019_WY	Northing (m) 2247181.656	Easting (m) -1003040.426	Elevation (m) 1737.196
Point Type NVA	Latitude (Local) N42°38'07.80004"	Longitude (Local) W108°20'20.72832"	Ellipsoid Height (m) 1724.428
Location Photo  NORTH			
 <p>2094_2019_WY, 3W, 20190809</p>		 <p>2094_2019_WY, 3S, 20190809</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2095_2019_WY	Northing (m) 2245460.585	Easting (m) -1001699.469	Elevation (m) 1819.533
Point Type NVA	Latitude (Local) N42°37'18.42065"	Longitude (Local) W108°19'12.18052"	Ellipsoid Height (m) 1806.792
Location Photo  NORTH			
 <p>2095_2019_WY, 3W, 20190809</p>		 <p>2095_2019_WY, 3N, 20190809</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2096_2019_WY	Northing (m) 2241043.922	Easting (m) -999184.038	Elevation (m) 2058.800
Point Type NVA	Latitude (Local) N42°35'07.81928"	Longitude (Local) W108°16'56.90934"	Ellipsoid Height (m) 2046.140
Location Photo  NORTH			
 <p>2096_2019_WY, 3W, 20190808</p>		 <p>2096_2019_WY, 3N, 20190808</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2097_2019_WY	Northing (m) 2241685.089	Easting (m) -1001592.444	Elevation (m) 1967.094
Point Type NVA	Latitude (Local) N42°35'18.28703"	Longitude (Local) W108°18'45.95696"	Ellipsoid Height (m) 1954.454
Location Photo  NORTH			
 <p>2097_2019_WY, 3W, 20190808</p>		 <p>2097_2019_WY, 3S, 20190808</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2098_2019_WY	Northing (m) 2265784.992	Easting (m) -947461.393	Elevation (m) 1843.134
Point Type NVA	Latitude (Local) N42°51'48.06601"	Longitude (Local) W107°41'25.59888"	Ellipsoid Height (m) 1830.017
Location Photo  NORTH			
 <p>2098_2019_WY, 3W, 20190817</p>		 <p>2098_2019_WY, 3S, 20190817</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2099_2019_WY	Northing (m) 2271315.748	Easting (m) -957063.695	Elevation (m) 1837.634
Point Type NVA	Latitude (Local) N42°54'06.74129"	Longitude (Local) W107°48'58.15818"	Ellipsoid Height (m) 1824.108
Location Photo  NORTH			
 <p>2099_2019_WY, 3W, 20190817</p>		 <p>2099_2019_WY, 3N, 20190817</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2100_2019_WY	Northing (m) 2311096.449	Easting (m) -939391.844	Elevation (m) 1630.930
Point Type NVA	Latitude (Local) N43°16'29.30360"	Longitude (Local) W107°39'36.45554"	Ellipsoid Height (m) 1617.102
Location Photo  NORTH			
 2100_2019_WY, 3W, 20190816	 2100_2019_WY, 3N, 20190816		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2101_2019_WY	Northing (m) 2311538.264	Easting (m) -935023.910	Elevation (m) 1671.372
Point Type NVA	Latitude (Local) N43°17'00.63753"	Longitude (Local) W107°36'25.61464"	Ellipsoid Height (m) 1657.699
Location Photo  NORTH			
			
<small>2101_2019_WY, 3N, 20190816</small>	<small>2101_2019_WY, 3E, 20190816</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2102_2019_WY	Northing (m) 2310280.296	Easting (m) -930661.483	Elevation (m) 1737.980
Point Type NVA	Latitude (Local) N43°16'37.47545"	Longitude (Local) W107°33'05.78008"	Ellipsoid Height (m) 1724.416
Location Photo  NORTH			
 <p>2102_2019_WY, 3W, 20190816</p>		 <p>2102_2019_WY, 3N, 20190816</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2103_2019_WY	Northing (m) 2317900.291	Easting (m) -933618.233	Elevation (m) 1745.480
Point Type NVA	Latitude (Local) N43°20'29.75669"	Longitude (Local) W107°35'57.94849"	Ellipsoid Height (m) 1732.204
Location Photo  NORTH			
 <p>2103_2019_WY, 3W, 20190816</p>		 <p>2103_2019_WY, 3N, 20190816</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2104_2019_WY	Northing (m) 2311179.043	Easting (m) -933517.721	Elevation (m) 1695.076
Point Type NVA	Latitude (Local) N43°16'55.05362"	Longitude (Local) W107°35'17.02196"	Ellipsoid Height (m) 1681.441
Location Photo  NORTH			
 <p>2104_2019_WY, 3W, 20190816</p>		 <p>2104_2019_WY, 3N, 20190816</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2105_2019_WY	Northing (m) 2312018.926	Easting (m) -937065.609	Elevation (m) 1651.682
Point Type NVA	Latitude (Local) N43°17'07.99001"	Longitude (Local) W107°37'58.56542"	Ellipsoid Height (m) 1637.961
Location Photo  NORTH			
			
2105_2019_WY, 3W, 20190816	2105_2019_WY, 3N, 20190816		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2106_2019_WY	Northing (m) 2313207.191	Easting (m) -935971.510	Elevation (m) 1668.472
Point Type NVA	Latitude (Local) N43°17'50.31973"	Longitude (Local) W107°37'16.61679"	Ellipsoid Height (m) 1654.840
Location Photo  NORTH			
 2106_2019_WY, 3W, 20190816	 2106_2019_WY, 3N, 20190816		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2107_2019_WY	Northing (m) 2314460.258	Easting (m) -935595.551	Elevation (m) 1683.467
Point Type NVA	Latitude (Local) N43°18'31.89764"	Longitude (Local) W107°37'06.79260"	Ellipsoid Height (m) 1669.911
Location Photo  NORTH			
 <p>2107_2019_WY, 3W, 20190816</p>		 <p>2107_2019_WY, 3N, 20190816</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2108_2019_WY	Northing (m) 2315315.152	Easting (m) -944046.247	Elevation (m) 1623.286
Point Type NVA	Latitude (Local) N43°18'25.87551"	Longitude (Local) W107°43'25.47672"	Ellipsoid Height (m) 1609.517
Location Photo  NORTH			
 <p>2108_2019_WY, 3W, 20190815</p>	 <p>2108_2019_WY, 3N, 20190815</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2109_2019_WY	Northing (m) 2326285.992	Easting (m) -943245.191	Elevation (m) 1730.499
Point Type NVA	Latitude (Local) N43°24'20.11575"	Longitude (Local) W107°43'50.26244"	Ellipsoid Height (m) 1717.450
Location Photo  NORTH			
 <p>2109_2019_WY, 3N, 20190815</p>		 <p>2109_2019_WY, 3E, 20190815</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2110_2019_WY	Northing (m) 2328217.904	Easting (m) -944363.778	Elevation (m) 1781.286
Point Type NVA	Latitude (Local) N43°25'17.49646"	Longitude (Local) W107°44'50.47227"	Ellipsoid Height (m) 1768.352
Location Photo  NORTH			
 <p>2110_2019_WY, 3W, 20190815</p>		 <p>2110_2019_WY, 3N, 20190815</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2111_2019_WY	Northing (m) 2317351.004	Easting (m) -967768.079	Elevation (m) 1535.138
Point Type NVA	Latitude (Local) N43°17'55.71244"	Longitude (Local) W108°01'06.32511"	Ellipsoid Height (m) 1520.962
Location Photo  NORTH			
 <p>2111_2019_WY, 3W, 20190818</p>		 <p>2111_2019_WY, 3S, 20190818</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2112_2019_WY	Northing (m) 2318909.170	Easting (m) -960493.663	Elevation (m) 1595.212
Point Type NVA	Latitude (Local) N43°19'15.02883"	Longitude (Local) W107°55'53.22441"	Ellipsoid Height (m) 1581.263
Location Photo  NORTH			
			
<small>2112_2019_WY, 3N, 20190816</small>	<small>2112_2019_WY, 3E, 20190816</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2113_2019_WY	Northing (m) 2320658.319	Easting (m) -958419.163	Elevation (m) 1624.858
Point Type NVA	Latitude (Local) N43°20'19.35181"	Longitude (Local) W107°54'31.17264"	Ellipsoid Height (m) 1611.073
Location Photo  NORTH			
			
<small>2113_2019_WY, 3N, 20190816</small>	<small>2113_2019_WY, 3E, 20190816</small>		





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2114_2019_WY	Northing (m) 2322064.793	Easting (m) -956940.994	Elevation (m) 1653.696
Point Type NVA	Latitude (Local) N43°21'10.30013"	Longitude (Local) W107°53'33.57314"	Ellipsoid Height (m) 1640.048
Location Photo  NORTH			
			
<small>2114_2019_WY, 3N, 20190816</small>	<small>2114_2019_WY, 3E, 20190816</small>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2115_2019_WY	Northing (m) 2322315.144	Easting (m) -952037.406	Elevation (m) 1691.698
Point Type NVA	Latitude (Local) N43°21'37.99552"	Longitude (Local) W107°49'57.83993"	Ellipsoid Height (m) 1678.185
Location Photo  NORTH			







2115_2019_WY, 3N, 20190816



2115_2019_WY, 3E, 20190816







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2116_2019_WY	Northing (m) 2317201.925	Easting (m) -949297.897	Elevation (m) 1629.387
Point Type NVA	Latitude (Local) N43°19'05.34897"	Longitude (Local) W107°47'28.27950"	Ellipsoid Height (m) 1615.596
Location Photo  NORTH			
 <p>2116_2019_WY, 3N, 20190816</p>		 <p>2116_2019_WY, 3E, 20190816</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW	
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350	Geoid GEOID12B (Conus)
Station ID 2117_2019_WY	Northing (m) 2313069.738	Easting (m) -948714.926	Elevation (m) 1574.425	
Point Type NVA	Latitude (Local) N43°16'55.46839"	Longitude (Local) W107°46'39.69579"	Ellipsoid Height (m) 1560.451	
Location Photo  NORTH				
 <p>2117_2019_WY, 3N, 20190816</p>		 <p>2117_2019_WY, 3E, 20190816</p>		



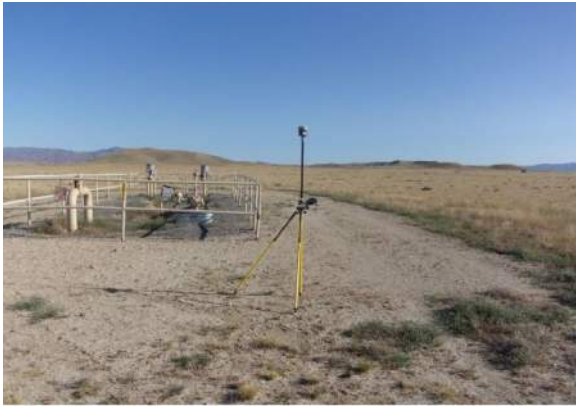



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2118_2019_WY	Northing (m) 2313702.528	Easting (m) -948249.305	Elevation (m) 1586.052
Point Type NVA	Latitude (Local) N43°17'17.56895"	Longitude (Local) W107°46'22.58423"	Ellipsoid Height (m) 1572.113
Location Photo  NORTH			
 <p>2118_2019_WY, 3N, 20190720</p>		 <p>2118_2018_WY, 3E, 20190720</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2119_2019_WY	Northing (m) 2313494.367	Easting (m) -947204.837	Elevation (m) 1587.792
Point Type NVA	Latitude (Local) N43°17'15.06776"	Longitude (Local) W107°45'35.23106"	Ellipsoid Height (m) 1573.866
Location Photo  NORTH			
 <p>2119_2019_WY, 3N, 20190816</p>		 <p>2119_2019_WY, 3E, 20190816</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2120_2019_WY	Northing (m) 2313543.052	Easting (m) -944578.897	Elevation (m) 1594.678
Point Type NVA	Latitude (Local) N43°17'27.06102"	Longitude (Local) W107°43'39.32161"	Ellipsoid Height (m) 1580.814
Location Photo  NORTH			
 <p style="text-align: center;">2120_2019_WY, 3N, 20190815</p>	 <p style="text-align: center;">2120_2019_WY, 3E, 20190815</p>		





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2121_2019_WY	Northing (m) 2312457.494	Easting (m) -942827.516	Elevation (m) 1614.576
Point Type NVA	Latitude (Local) N43°16'59.27100"	Longitude (Local) W107°42'15.88546"	Ellipsoid Height (m) 1600.710
Location Photo  NORTH			
 <p>2121_2019_WY, 3S, 20190815</p>		 <p>2121_2019_WY, 3E, 20190815</p>	



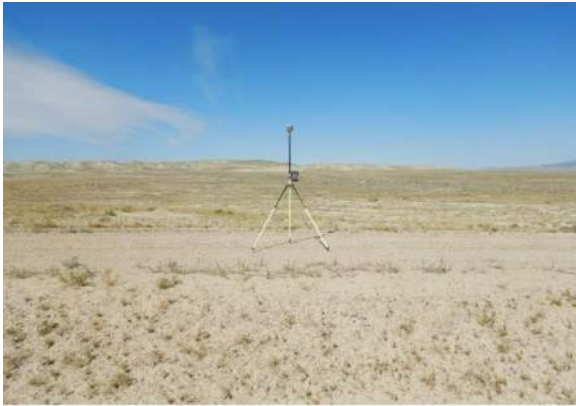



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2122_2019_WY	Northing (m) 2310809.544	Easting (m) -941830.333	Elevation (m) 1610.288
Point Type NVA	Latitude (Local) N43°16'10.48955"	Longitude (Local) W107°41'22.75528"	Ellipsoid Height (m) 1596.385
Location Photo  NORTH			
 <p>2122_2019_WY, 3W, 20190816</p>		 <p>2122_2019_WY, 3N, 20190816</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2123_2019_WY	Northing (m) 2310415.904	Easting (m) -943853.856	Elevation (m) 1615.493
Point Type NVA	Latitude (Local) N43°15'49.88205"	Longitude (Local) W107°42'50.10095"	Ellipsoid Height (m) 1601.530
Location Photo  NORTH			
 <p>2123_2019_WY, 3W, 20190816</p>	 <p>2123_2019_WY, 3N, 20190816</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2124_2019_WY	Northing (m) 2304960.475	Easting (m) -942651.638	Elevation (m) 1693.351
Point Type NVA	Latitude (Local) N43°13'00.09987"	Longitude (Local) W107°41'27.09483"	Ellipsoid Height (m) 1679.290
Location Photo  NORTH			
 <p>2124_2019_WY, 3N, 20190816</p>		 <p>2124_2019_WY, 3E, 20190816</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2125_2019_WY	Northing (m) 2302868.039	Easting (m) -936345.773	Elevation (m) 1687.606
Point Type NVA	Latitude (Local) N43°12'18.01136"	Longitude (Local) W107°36'36.99970"	Ellipsoid Height (m) 1673.655
Location Photo  NORTH			
 <p style="text-align: center; font-size: small;">2125_2019_WY, 3N, 20190816</p>	 <p style="text-align: center; font-size: small;">2125_2019_WY, 3E, 20190816</p>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2126_2019_WY	Northing (m) 2300298.444	Easting (m) -935006.006	Elevation (m) 1728.006
Point Type NVA	Latitude (Local) N43°11'01.05287"	Longitude (Local) W107°35'23.86696"	Ellipsoid Height (m) 1714.056
Location Photo  NORTH			





2126_2019_WY, 3N, 20190816



2126_2019_WY, 3E, 20190816



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2127_2019_WY	Northing (m) 2299927.531	Easting (m) -932706.741	Elevation (m) 1729.712
Point Type NVA	Latitude (Local) N43°10'58.19059"	Longitude (Local) W107°33'40.27110"	Ellipsoid Height (m) 1715.807
Location Photo  NORTH			







2127_2019_WY, 3N, 20190816



2127_2019_WY, 3E, 20190816







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2128_2019_WY	Northing (m) 2298376.734	Easting (m) -932975.597	Elevation (m) 1750.556
Point Type NVA	Latitude (Local) N43°10'07.51828"	Longitude (Local) W107°33'43.77235"	Ellipsoid Height (m) 1736.636
Location Photo  NORTH			
			
<small>2128_2019_WY, 3N, 20190816</small>	<small>2128_2019_WY, 3E, 20190816</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2129_2019_WY	Northing (m) 2297161.146	Easting (m) -932929.128	Elevation (m) 1781.101
Point Type NVA	Latitude (Local) N43°09'28.80587"	Longitude (Local) W107°33'35.15528"	Ellipsoid Height (m) 1767.175
Location Photo  NORTH			
 <p>2129_2019_WY, 3N, 20190817</p>		 <p>2129_2019_WY, 3E, 20190817</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2130_2019_WY	Northing (m) 2291511.279	Easting (m) -933261.046	Elevation (m) 1761.558
Point Type NVA	Latitude (Local) N43°06'26.74184"	Longitude (Local) W107°33'19.32210"	Ellipsoid Height (m) 1747.639
Location Photo  NORTH			
 2130_2019_WY, 3N, 20190817	 2130_2019_WY, 3E, 20190817		







GCP OBSERVATION LOG

Project Number 79935		Project Name WY FEMA East Lidar		Company Woolpert		Field Operator DM/EN/NP/SH/BW	
Coordinate System Albers Equal Area (ESPG 6350)		Hor. Datum NAD 1983 (Conus)		Ver. Datum NAVD88		Zone Albers Equal Area ESPG 6350	
Station ID 2131_2019_WY		Northing (m) 2232417.860		Easting (m) -982291.880		Elevation (m) 2001.172	
Point Type NVA		Latitude (Local) N42°31'41.78485"		Longitude (Local) W108°03'49.26423"		Ellipsoid Height (m) 1988.362	
Location Photo  NORTH							
 <p>2131_2019_WY, 3N, 20190807</p>				 <p>2131_2019_WY, 3E, 20190807</p>			







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2132_2019_WY	Northing (m) 2230667.080	Easting (m) -978030.403	Elevation (m) 1958.025
Point Type NVA	Latitude (Local) N42°31'03.18996"	Longitude (Local) W108°00'33.12947"	Ellipsoid Height (m) 1945.198
Location Photo  NORTH			
 <p>2132_2019_WY, 3W, 20190807</p>		 <p>2132_2019_WY, 3N, 20190807</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2133_2019_WY	Northing (m) 2228181.478	Easting (m) -968216.383	Elevation (m) 1937.152
Point Type NVA	Latitude (Local) N42°30'23.40596"	Longitude (Local) W107°53'10.17103"	Ellipsoid Height (m) 1924.374
Location Photo  NORTH			
 <p>2133_2019_WY, 3N, 20190807</p>		 <p>2133_2019_WY, 3E, 20190807</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2134_2019_WY	Northing (m) 2225693.510	Easting (m) -964322.323	Elevation (m) 1930.793
Point Type NVA	Latitude (Local) N42°29'19.51983"	Longitude (Local) W107°50'06.22889"	Ellipsoid Height (m) 1917.965
Location Photo  NORTH			
 <p>2134_2019_WY, 3W, 20190810</p>		 <p>2134_2019_WY, 3N, 20190810</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2135_2019_WY	Northing (m) 2223840.024	Easting (m) -952424.706	Elevation (m) 1917.610
Point Type NVA	Latitude (Local) N42°29'07.58553"	Longitude (Local) W107°41'15.85927"	Ellipsoid Height (m) 1904.921
Location Photo  NORTH			







2135_2019_WY, 3S, 20190810



2135_2019_WY, 3E, 20190810







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2136_2019_WY	Northing (m) 2221635.206	Easting (m) -945847.734	Elevation (m) 1883.302
Point Type NVA	Latitude (Local) N42°28'23.00844"	Longitude (Local) W107°36'16.35966"	Ellipsoid Height (m) 1870.646
Location Photo  NORTH			
 <p style="text-align: center; font-size: small;">2136_2019_WY, 3W, 20190810</p>	 <p style="text-align: center; font-size: small;">2136_2019_WY, 3N, 20190810</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2137_2019_WY	Northing (m) 2218905.940	Easting (m) -941366.957	Elevation (m) 1920.648
Point Type NVA	Latitude (Local) N42°27'13.30510"	Longitude (Local) W107°32'45.82514"	Ellipsoid Height (m) 1907.955
Location Photo  NORTH			
 <p>2137_2019_WY, 3SE, 20190810</p>	 <p>2137_2019_WY, 3N, 20190810</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2137A_2019_WY	Northing (m) 2218864.604	Easting (m) -941352.531	Elevation (m) 1919.923
Point Type NVA	Latitude (Local) N42°27'12.04016"	Longitude (Local) W107°32'44.97375"	Ellipsoid Height (m) 1907.229
Location Photo  NORTH			
 <p>2137A_2019_WY, 3W, 20190811</p>		 <p>2137A_2019_WY, 3N, 20190811</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2138_2019_WY	Northing (m) 2353548.305	Easting (m) -978561.823	Elevation (m) 1336.894
Point Type NVA	Latitude (Local) N43°36'29.35594"	Longitude (Local) W108°12'30.40341"	Ellipsoid Height (m) 1323.917
Location Photo  NORTH			
 <p>2138_2019_WY, 3W, 20190805</p>		 <p>2138_2019_WY, 3S, 20190805</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2139_2019_WY	Northing (m) 2354604.116	Easting (m) -979676.310	Elevation (m) 1345.435
Point Type NVA	Latitude (Local) N43°36'58.52546"	Longitude (Local) W108°13'25.97467"	Ellipsoid Height (m) 1332.466
Location Photo  NORTH			
			
<small>2139_2019_WY, 3S, 20190805</small>	<small>2139_2019_WY, 3E, 20190805</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2140_2019_WY	Northing (m) 2356799.494	Easting (m) -979997.870	Elevation (m) 1399.173
Point Type NVA	Latitude (Local) N43°38'07.43130"	Longitude (Local) W108°13'52.88218"	Ellipsoid Height (m) 1386.204
Location Photo  NORTH			
 <p>2140_2019_WY, 3S, 20190805</p>		 <p>2140_2019_WY, 3E, 20190805</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2141_2019_WY	Northing (m) 2361814.899	Easting (m) -983911.042	Elevation (m) 1415.250
Point Type NVA	Latitude (Local) N43°40'31.65026"	Longitude (Local) W108°17'15.73493"	Ellipsoid Height (m) 1402.312
Location Photo  NORTH			
 <p style="text-align: center;">2141_2019_WY, 3S, 20190806</p>	 <p style="text-align: center;">2141_2019_WY, 3E, 20190806</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2142_2019_WY	Northing (m) 2365589.204	Easting (m) -992028.974	Elevation (m) 1469.849
Point Type NVA	Latitude (Local) N43°41'58.48062"	Longitude (Local) W108°23'38.60925"	Ellipsoid Height (m) 1457.113
Location Photo  NORTH			
 <p>2142_2019_WY, 3S, 20190806</p>		 <p>2142_2019_WY, 3E, 20190806</p>	







GCP OBSERVATION LOG

Project Number 79935		Project Name WY FEMA East Lidar		Company Woolpert		Field Operator DM/EN/NP/SH/BW	
Coordinate System Albers Equal Area (ESPG 6350)		Hor. Datum NAD 1983 (Conus)		Ver. Datum NAVD88		Zone Albers Equal Area ESPG 6350	
Station ID 2143_2019_WY		Northing (m) 2365628.675		Easting (m) -989997.710		Elevation (m) 1450.290	
Point Type NVA		Latitude (Local) N43°42'08.25776"		Longitude (Local) W108°22'08.50792"		Ellipsoid Height (m) 1437.490	
Location Photo  NORTH							
 <p>2143_2019_WY, 3N, 20190806</p>				 <p>2143_2019_WY, 3E, 20190806</p>			




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2144_2019_WY	Northing (m) 2370686.531	Easting (m) -992981.436	Elevation (m) 1529.999
Point Type NVA	Latitude (Local) N43°44'37.54867"	Longitude (Local) W108°24'50.74170"	Ellipsoid Height (m) 1517.286
Location Photo  NORTH			
 <p>2144_2019_WY, 3W, 20190806</p>		 <p>2144_2019_WY, 3S, 20190806</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2145_2019_WY	Northing (m) 2374717.014	Easting (m) -996202.074	Elevation (m) 1555.776
Point Type NVA	Latitude (Local) N43°46'32.92856"	Longitude (Local) W108°27'37.68813"	Ellipsoid Height (m) 1543.164
Location Photo ↑ NORTH			







2145_2019_MT,3N, 20190806



2145_2019_MT,3E, 20190806







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2146_2019_WY	Northing (m) 2376662.218	Easting (m) -996327.250	Elevation (m) 1547.028
Point Type NVA	Latitude (Local) N43°47'34.63121"	Longitude (Local) W108°27'54.68339"	Ellipsoid Height (m) 1534.396
Location Photo  NORTH			
 <p>2146_2019_MT,3N, 20190806</p>		 <p>2146_2019_MT,3E, 20190806</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2147_2019_WY	Northing (m) 2381581.512	Easting (m) -997236.748	Elevation (m) 1528.257
Point Type NVA	Latitude (Local) N43°50'08.17343"	Longitude (Local) W108°29'04.11816"	Ellipsoid Height (m) 1515.616
Location Photo  NORTH			
 <p>2147_2019_WY, 3N, 20190807</p>		 <p>2147_2019_WY, 3E, 20190807</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2148_2019_WY	Northing (m) 2379280.252	Easting (m) -1004315.518	Elevation (m) 1603.422
Point Type NVA	Latitude (Local) N43°48'24.52932"	Longitude (Local) W108°34'05.81691"	Ellipsoid Height (m) 1591.190
Location Photo  NORTH			
 <p>2148_2019_WY, 3W, 20190806</p>		 <p>2148_2019_WY, 3N, 20190806</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2149_2019_WY	Northing (m) 2378305.324	Easting (m) -1004464.492	Elevation (m) 1622.766
Point Type NVA	Latitude (Local) N43°47'52.70909"	Longitude (Local) W108°34'06.67534"	Ellipsoid Height (m) 1610.553
Location Photo  NORTH			
 2149_2019_WY, 3W, 20190806	 2149_2019_WY, 3N, 20190806		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2150_2019_WY	Northing (m) 2376202.671	Easting (m) -1003845.379	Elevation (m) 1688.655
Point Type NVA	Latitude (Local) N43°46'48.08331"	Longitude (Local) W108°33'26.66802"	Ellipsoid Height (m) 1676.431
Location Photo  NORTH			
			
<small>2150_2019_WY, 3S, 20190806</small>	<small>2150_2019_WY, 3E, 20190806</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2151_2019_WY	Northing (m) 2374559.710	Easting (m) -1005158.153	Elevation (m) 1702.468
Point Type NVA	Latitude (Local) N43°45'49.94624"	Longitude (Local) W108°34'15.36973"	Ellipsoid Height (m) 1690.323
Location Photo  NORTH			
 <p style="text-align: center;">2151_2019_WY, 3N, 20190806</p>	 <p style="text-align: center;">2151_2019_WY, 3E, 20190806</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2152_2019_WY	Northing (m) 2353586.083	Easting (m) -1083480.385	Elevation (m) 2004.225
Point Type NVA	Latitude (Local) N43°28'54.19134"	Longitude (Local) W109°30'02.72975"	Ellipsoid Height (m) 1995.838
Location Photo  NORTH			
			
<small>2152_2019_WY, 3N, 20190820</small>	<small>2152_2019_WY, 3E, 20190820</small>		




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2153_2019_WY	Northing (m) 2354554.560	Easting (m) -1084424.265	Elevation (m) 2013.672
Point Type NVA	Latitude (Local) N43°29'20.79921"	Longitude (Local) W109°30'50.63847"	Ellipsoid Height (m) 2005.315
Location Photo  NORTH			
 <p>2153_2019_WY, 3N, 20190820</p>	 <p>2153_2019_WY, 3E, 20190820</p>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2154_2019_WY	Northing (m) 2357920.762	Easting (m) -1088527.815	Elevation (m) 2079.798
Point Type NVA	Latitude (Local) N43°30'49.47149"	Longitude (Local) W109°34'13.66851"	Ellipsoid Height (m) 2071.562
Location Photo ↑ NORTH			







2154_2019_WY,3N, 20190820



2154_2019_WY,3E, 20190820







GCP OBSERVATION LOG





Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2155_2019_WY	Northing (m) 2358346.237	Easting (m) -1090112.728	Elevation (m) 2088.823
Point Type NVA	Latitude (Local) N43°30'55.77436"	Longitude (Local) W109°35'26.54736"	Ellipsoid Height (m) 2080.644
Location Photo  NORTH			
 <p>2155_2019_WY,3N, 20190820</p>		 <p>2155_2019_WY,3E, 20190820</p>	



GCP OBSERVATION LOG





Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2156_2019_WY	Northing (m) 2359822.676	Easting (m) -1091718.591	Elevation (m) 2108.271
Point Type NVA	Latitude (Local) N43°31'35.52011"	Longitude (Local) W109°36'47.06834"	Ellipsoid Height (m) 2100.147
Location Photo  NORTH			
 <p>2156_2019_WY,3N, 20190820</p>	 <p>2156_2019_WY,3E, 20190820</p>		

GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2157_2019_WY	Northing (m) 2351272.036	Easting (m) -1081593.867	Elevation (m) 2030.891
Point Type NVA	Latitude (Local) N43°27'48.91702"	Longitude (Local) W109°28'24.61657"	Ellipsoid Height (m) 2022.442
Location Photo  NORTH			
			
<small>2157_2019_WY, 3N, 20190820</small>	<small>2157_2019_WY, 3E, 20190820</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2157A_2019_WY	Northing (m) 2351419.557	Easting (m) -1081561.089	Elevation (m) 2032.669
Point Type NVA	Latitude (Local) N43°27'53.77627"	Longitude (Local) W109°28'24.09792"	Ellipsoid Height (m) 2024.215
Location Photo  NORTH			
 <p>2157A_2019_WY, 3N, 20190820</p>		 <p>2157A_2019_WY, 3E, 20190820</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2157B_2019_WY	Northing (m) 2361034.099	Easting (m) -1092501.221	Elevation (m) 2132.728
Point Type NVA	Latitude (Local) N43°32'10.58802"	Longitude (Local) W109°37'29.46452"	Ellipsoid Height (m) 2124.620
Location Photo  NORTH			
			
<small>2157B_2019_WY, 3W, 20190828</small>	<small>2157B_2019_WY, 3S, 20190828</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2158_2019_WY	Northing (m) 2363390.373	Easting (m) -1096504.584	Elevation (m) 2142.064
Point Type NVA	Latitude (Local) N43°33'07.32129"	Longitude (Local) W109°40'41.85607"	Ellipsoid Height (m) 2134.037
Location Photo  NORTH			
 <p>2158_2019_WY, 3W, 20190827</p>		 <p>2158_2019_WY, 3S, 20190827</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2159_2019_WY	Northing (m) 2365422.373	Easting (m) -1098645.779	Elevation (m) 2177.008
Point Type NVA	Latitude (Local) N43°34'02.26880"	Longitude (Local) W109°42'29.75820"	Ellipsoid Height (m) 2168.993
Location Photo  NORTH			
 <p>2159_2019_WY, 3W, 20190827</p>		 <p>2159_2019_WY, 3S, 20190827</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2160_2019_WY	Northing (m) 2364487.992	Easting (m) -1097712.716	Elevation (m) 2154.958
Point Type NVA	Latitude (Local) N43°33'36.76630"	Longitude (Local) W109°41'42.41772"	Ellipsoid Height (m) 2146.941
Location Photo  NORTH			
 <p>2160_2019_WY, 3S, 20190827</p>		 <p>2160_2019_WY, 3E, 20190827</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2161_2019_WY	Northing (m) 2365347.948	Easting (m) -1099933.531	Elevation (m) 2168.488
Point Type NVA	Latitude (Local) N43°33'53.91870"	Longitude (Local) W109°43'26.32248"	Ellipsoid Height (m) 2160.505
Location Photo  NORTH			





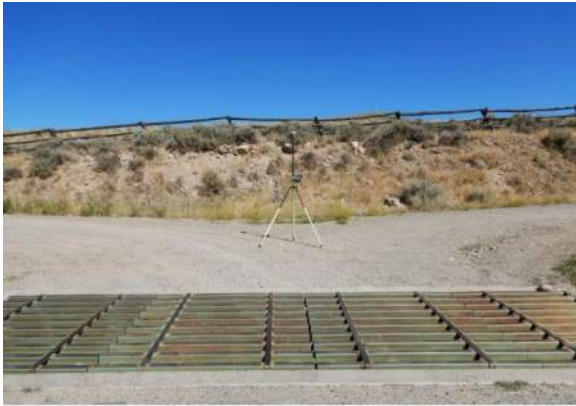

2161_2019_WY, 3N, 20190827



2161_2019_WY, 3E, 20190827







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2162_2019_WY	Northing (m) 2367269.854	Easting (m) -1101860.600	Elevation (m) 2198.588
Point Type NVA	Latitude (Local) N43°34'46.31195"	Longitude (Local) W109°45'04.08435"	Ellipsoid Height (m) 2190.605
Location Photo  NORTH			
 <p>2162_2019_WY, 3N, 20190827</p>		 <p>2162_2019_WY, 3E, 20190827</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2163_2019_WY	Northing (m) 2383344.386	Easting (m) -1116601.546	Elevation (m) 2537.803
Point Type NVA	Latitude (Local) N43°42'10.29099"	Longitude (Local) W109°57'42.29451"	Ellipsoid Height (m) 2529.735
Location Photo  NORTH			
 <p>2163_2019_WY, 3W, 20190829</p>		 <p>2163_2019_WY, 3N, 20190829</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2164_2019_WY	Northing (m) 2379686.191	Easting (m) -1116020.330	Elevation (m) 2401.989
Point Type NVA	Latitude (Local) N43°40'16.27945"	Longitude (Local) W109°56'52.51112"	Ellipsoid Height (m) 2393.866
Location Photo  NORTH			
 <p>2164_2019_WY, 3N, 20190829</p>		 <p>2164_2019_WY, 3E, 20190829</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW	
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350	Geoid GEOID12B (Conus)
Station ID 2165_2019_WY	Northing (m) 2374871.593	Easting (m) -1112700.974	Elevation (m) 2333.034	
Point Type NVA	Latitude (Local) N43°37'58.25151"	Longitude (Local) W109°53'53.83522"	Ellipsoid Height (m) 2324.971	
Location Photo  NORTH				







2165_2019_WY, 3N, 20190829



2165_2019_WY, 3E, 20190829







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2166_2019_WY	Northing (m) 2373839.169	Easting (m) -1108574.255	Elevation (m) 2307.930
Point Type NVA	Latitude (Local) N43°37'44.66336"	Longitude (Local) W109°50'44.17668"	Ellipsoid Height (m) 2299.934
Location Photo  NORTH			
 <p>2166_2019_WY, 3S, 20190827</p>		 <p>2166_2019_WY, 3E, 20190827</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2167_2019_WY	Northing (m) 2373416.026	Easting (m) -1106206.338	Elevation (m) 2284.127
Point Type NVA	Latitude (Local) N43°37'42.23515"	Longitude (Local) W109°48'56.45835"	Ellipsoid Height (m) 2276.133
Location Photo  NORTH			
 <p>2167_2019_WY, 3S, 20190827</p>		 <p>2167_2019_WY, 3E, 20190827</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2168_2019_WY	Northing (m) 2374005.375	Easting (m) -1092862.123	Elevation (m) 2379.909
Point Type NVA	Latitude (Local) N43°39'03.04720"	Longitude (Local) W109°39'08.53510"	Ellipsoid Height (m) 2371.919
Location Photo  NORTH			
 <p>2168_2019_WY, 3W, 20190828</p>		 <p>2168_2019_WY, 3N, 20190828</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2169_2019_WY	Northing (m) 2369502.124	Easting (m) -1093361.889	Elevation (m) 2277.903
Point Type NVA	Latitude (Local) N43°36'36.96061"	Longitude (Local) W109°39'01.81229"	Ellipsoid Height (m) 2269.824
Location Photo  NORTH			







2169_2019_WY, 3W, 20190828



2169_2019_WY, 3N, 20190828







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2170_2019_WY	Northing (m) 2377752.501	Easting (m) -1090473.592	Elevation (m) 2366.400
Point Type NVA	Latitude (Local) N43°41'13.71766"	Longitude (Local) W109°37'46.58855"	Ellipsoid Height (m) 2358.521
Location Photo  NORTH			
 <p>2170_2019_WY, 3W, 20190828</p>		 <p>2170_2019_WY, 3N, 20190828</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2171_2019_WY	Northing (m) 2260737.967	Easting (m) -1049948.552	Elevation (m) 2696.116
Point Type NVA	Latitude (Local) N42°42'00.30150"	Longitude (Local) W108°55'54.35134"	Ellipsoid Height (m) 2686.184
Location Photo  NORTH			
 <p>2171_2019_WY, 3N, 20190921</p>		 <p>2171_2019_WY, 3E, 20190921</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2172_2019_WY	Northing (m) 2260398.957	Easting (m) -1048964.857	Elevation (m) 2694.501
Point Type NVA	Latitude (Local) N42°41'53.77870"	Longitude (Local) W108°55'09.23938"	Ellipsoid Height (m) 2684.493
Location Photo  NORTH			
 <p>2172_2019_WY, 3N, 20190921</p>	 <p>2172_2019_WY, 3E, 20190921</p>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2173_2019_WY	Northing (m) 2238534.175	Easting (m) -1040408.900	Elevation (m) 2577.130
Point Type NVA	Latitude (Local) N42°30'53.14117"	Longitude (Local) W108°46'44.89565"	Ellipsoid Height (m) 2566.086
Location Photo  NORTH			







2173_2019_WY, 3S, 20190920



2173_2019_WY, 3E, 20190920




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2174_2019_WY	Northing (m) 2239319.120	Easting (m) -1041358.397	Elevation (m) 2602.464
Point Type NVA	Latitude (Local) N42°31'14.08936"	Longitude (Local) W108°47'31.01939"	Ellipsoid Height (m) 2591.491
Location Photo  NORTH			
 <p>2174_2019_WY, 3N, 20190920</p>		 <p>2174_2019_WY, 3E, 20190920</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2175_2019_WY	Northing (m) 2243925.942	Easting (m) -1043239.510	Elevation (m) 2688.449
Point Type NVA	Latitude (Local) N42°33'32.96510"	Longitude (Local) W108°49'20.52271"	Ellipsoid Height (m) 2677.781
Location Photo ↑ NORTH			







2175_2019_WY, 3N, 20190920



2175_2019_WY, 3E, 20190920







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2176_2019_WY	Northing (m) 2250198.383	Easting (m) -1045927.234	Elevation (m) 2744.453
Point Type NVA	Latitude (Local) N42°36'41.47294"	Longitude (Local) W108°51'55.34624"	Ellipsoid Height (m) 2734.110
Location Photo  NORTH			
 <p>2176_2019_WY, 3S, 20190920</p>		 <p>2176_2019_WY, 3N, 20190920.</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2177_2019_WY	Northing (m) 2252772.298	Easting (m) -1046655.963	Elevation (m) 2872.324
Point Type NVA	Latitude (Local) N42°38'00.44544"	Longitude (Local) W108°52'42.57357"	Ellipsoid Height (m) 2862.104
Location Photo  NORTH			
 <p>2177_2019_WY, 3N, 20190920</p>	 <p>2177_2019_WY, 3E, 20190920</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2177A_2019_WY	Northing (m) 2253312.446	Easting (m) -1046142.177	Elevation (m) 2901.112
Point Type NVA	Latitude (Local) N42°38'19.91875"	Longitude (Local) W108°52'23.31368"	Ellipsoid Height (m) 2890.881
Location Photo  NORTH			
			
2177A_2019_WY, 3W, 20190920	2177A_2019_WY, 3N, 20190920		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2178_2019_WY	Northing (m) 2260024.778	Easting (m) -1046912.188	Elevation (m) 2650.744
Point Type NVA	Latitude (Local) N42°41'50.78891"	Longitude (Local) W108°53'37.10445"	Ellipsoid Height (m) 2640.576
Location Photo  NORTH			
			
<small>2178_2019_WY, 3W, 20190921</small>	<small>2178_2019_WY, 3N, 20190921</small>		





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2179_2019_WY	Northing (m) 2260878.343	Easting (m) -1045100.405	Elevation (m) 2601.641
Point Type NVA	Latitude (Local) N42°42'25.91909"	Longitude (Local) W108°52'22.85002"	Ellipsoid Height (m) 2591.315
Location Photo  NORTH			
			
<small>2179_2019_WY, 3W, 20190921</small>	<small>2179_2019_WY, 3S, 20190921</small>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2180_2019_WY	Northing (m) 2261169.507	Easting (m) -1043712.555	Elevation (m) 2572.822
Point Type NVA	Latitude (Local) N42°42'41.24572"	Longitude (Local) W108°51'23.79329"	Ellipsoid Height (m) 2562.372
Location Photo  NORTH			







2180_2019_WY, 3N, 20190921



2180_2019_WY, 3E, 20190921




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2181_2019_WY	Northing (m) 2263758.360	Easting (m) -1041715.593	Elevation (m) 2098.892
Point Type NVA	Latitude (Local) N42°44'12.54860"	Longitude (Local) W108°50'11.72422"	Ellipsoid Height (m) 2088.186
Location Photo  NORTH			
 <p>2181_2019_WY, 3W, 20190921</p>		 <p>2181_2019_WY, 3S, 20190921</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2182_2019_WY	Northing (m) 2265680.244	Easting (m) -1038354.823	Elevation (m) 1875.328
Point Type NVA	Latitude (Local) N42°45'28.45565"	Longitude (Local) W108°47'55.84816"	Ellipsoid Height (m) 1864.218
Location Photo ↑ NORTH			





2182_2019_WY, 3N, 20190921



2182_2019_WY, 3E, 20190921



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2183_2019_WY	Northing (m) 2267155.534	Easting (m) -1036625.571	Elevation (m) 1783.884
Point Type NVA	Latitude (Local) N42°46'23.02652"	Longitude (Local) W108°46'48.78776"	Ellipsoid Height (m) 1772.540
Location Photo  NORTH			







2183_2019_WY, 3N, 20190818



2183_2019_WY, 3E, 20190818





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2184_2019_WY	Northing (m) 2267960.231	Easting (m) -1036317.443	Elevation (m) 1756.117
Point Type NVA	Latitude (Local) N42°46'50.04682"	Longitude (Local) W108°46'40.04949"	Ellipsoid Height (m) 1744.716
Location Photo  NORTH			
 <p style="text-align: center;">2184_2019_WY, 3N, 20190818.</p>	 <p style="text-align: center;">2184_2019_WY, 3E, 20190818.</p>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2185_2019_WY	Northing (m) 2272372.398	Easting (m) -1033096.272	Elevation (m) 1656.733
Point Type NVA	Latitude (Local) N42°49'24.80549"	Longitude (Local) W108°44'44.88823"	Ellipsoid Height (m) 1644.851
Location Photo  NORTH			







2185_2019_WY, 3N, 20190818



2185_2019_WY, 3E, 20190818







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2186_2019_WY	Northing (m) 2271170.154	Easting (m) -1033838.990	Elevation (m) 1679.320
Point Type NVA	Latitude (Local) N42°48'43.22003"	Longitude (Local) W108°45'10.35873"	Ellipsoid Height (m) 1667.554
Location Photo  NORTH			
 <p>2186_2019_WY, 3N, 20190818</p>	 <p>2186_2019_WY, 3E, 20190818</p>		





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2187_2019_WY	Northing (m) 2269618.446	Easting (m) -1035064.700	Elevation (m) 1705.355
Point Type NVA	Latitude (Local) N42°47'48.39339"	Longitude (Local) W108°45'54.93710"	Ellipsoid Height (m) 1693.770
Location Photo  NORTH			
 2187_2019_WY,3N, 20190819	 2187_2019_WY,3E, 20190819		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2188_2019_WY	Northing (m) 2270638.609	Easting (m) -1030020.436	Elevation (m) 1638.170
Point Type NVA	Latitude (Local) N42°48'42.67756"	Longitude (Local) W108°42'19.66593"	Ellipsoid Height (m) 1626.063
Location Photo  NORTH			







2188_2019_WY, 3N, 20190818



2188_2019_WY, 3E, 20190818





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2189_2019_WY	Northing (m) 2269364.505	Easting (m) -1028913.748	Elevation (m) 1626.283
Point Type NVA	Latitude (Local) N42°48'06.74561"	Longitude (Local) W108°41'23.59401"	Ellipsoid Height (m) 1614.121
Location Photo  NORTH			
 <p>2189_2019_WY, 3N, 20190819</p>		 <p>2189_2019_WY, 3E, 20190819</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2190_2019_WY	Northing (m) 2269385.286	Easting (m) -1027683.770	Elevation (m) 1614.999
Point Type NVA	Latitude (Local) N42°48'12.68162"	Longitude (Local) W108°40'29.75126"	Ellipsoid Height (m) 1602.738
Location Photo  NORTH			





2190_2019_WY, 3N, 20190819



2190_2019_WY, 3E, 20190819



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2191_2019_WY	Northing (m) 2272143.060	Easting (m) -1024083.619	Elevation (m) 1599.191
Point Type NVA	Latitude (Local) N42°49'56.14282"	Longitude (Local) W108°38'07.96702"	Ellipsoid Height (m) 1586.587
Location Photo  NORTH			







2191_2019_WY, 3N, 20190819



2191_2019_WY, 3E, 20190819







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2192_2019_WY	Northing (m) 2274829.731	Easting (m) -1022569.063	Elevation (m) 1593.621
Point Type NVA	Latitude (Local) N42°51'28.40562"	Longitude (Local) W108°37'17.23812"	Ellipsoid Height (m) 1580.845
Location Photo  NORTH			
 <p>2192_2019_WY, 3N, 20190819.</p>	 <p>2192_2019_WY, 3E, 20190819.</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2193_2019_WY	Northing (m) 2277316.298	Easting (m) -1021365.643	Elevation (m) 1599.998
Point Type NVA	Latitude (Local) N42°52'52.94946"	Longitude (Local) W108°36'38.96653"	Ellipsoid Height (m) 1587.083
Location Photo  NORTH			
			
<small>2193_2019_WY, 3N, 20190819</small>	<small>2193_2019_WY, 3E, 20190819</small>		





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2194_2019_WY	Northing (m) 2278629.621	Easting (m) -1018737.218	Elevation (m) 1585.841
Point Type NVA	Latitude (Local) N42°53'46.08650"	Longitude (Local) W108°34'51.17974"	Ellipsoid Height (m) 1572.728
Location Photo  NORTH			
			
<small>2194_2019_WY, 3N, 20190819</small>	<small>2194_2019_WY, 3E, 20190819</small>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2195_2019_WY	Northing (m) 2279671.464	Easting (m) -1019244.792	Elevation (m) 1548.362
Point Type NVA	Latitude (Local) N42°54'17.20258"	Longitude (Local) W108°35'19.58246"	Ellipsoid Height (m) 1535.256
Location Photo  NORTH			







2195_2019_WY, 3N, 20190819



2195_2019_WY, 3E, 20190819







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2196_2019_WY	Northing (m) 2274123.567	Easting (m) -994960.182	Elevation (m) 1670.923
Point Type NVA	Latitude (Local) N42°53'02.07519"	Longitude (Local) W108°17'00.22571"	Ellipsoid Height (m) 1657.075
Location Photo  NORTH			
			
<small>2196_2019_WY, 3W, 20190817</small>	<small>2196_2019_WY, 3N, 20190817</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2197_2019_WY	Northing (m) 2235940.724	Easting (m) -1036682.486	Elevation (m) 2341.923
Point Type NVA	Latitude (Local) N42°29'46.43249"	Longitude (Local) W108°43'46.81945"	Ellipsoid Height (m) 2330.601
Location Photo  NORTH			
 <p>2197_2019_WY, 3W, 20190920</p>		 <p>2197_2019_WY, 3S, 20190920</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2198_2019_WY	Northing (m) 2234284.559	Easting (m) -1042461.418	Elevation (m) 2440.397
Point Type NVA	Latitude (Local) N42°28'28.66265"	Longitude (Local) W108°47'49.41028"	Ellipsoid Height (m) 2429.098
Location Photo  NORTH			
 <p>2198_2019_WY, 3N, 20190919</p>		 <p>2198_2019_WY, 3E, 20190919</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2199_2019_WY	Northing (m) 2211129.233	Easting (m) -1017053.359	Elevation (m) 2202.194
Point Type NVA	Latitude (Local) N42°17'58.03444"	Longitude (Local) W108°27'06.24605"	Ellipsoid Height (m) 2188.946
Location Photo  NORTH			
 <p>2199_2019_WY, 3N, 20190814</p>		 <p>2199_2019_WY, 3E, 20190814</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2200_2019_WY	Northing (m) 2202346.959	Easting (m) -971271.524	Elevation (m) 2175.371
Point Type NVA	Latitude (Local) N42°16'25.81155"	Longitude (Local) W107°53'01.75682"	Ellipsoid Height (m) 2161.564
Location Photo  NORTH			
 <p>2200_2019_WY, 3N, 20190812</p>		 <p>2200_2019_WY, 3E, 20190812</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2201_2019_WY	Northing (m) 2209739.904	Easting (m) -965834.191	Elevation (m) 2149.108
Point Type NVA	Latitude (Local) N42°20'43.75803"	Longitude (Local) W107°49'45.05325"	Ellipsoid Height (m) 2135.623
Location Photo  NORTH			
 <p>2201_2019_WY, 3W, 20190812</p>		 <p>2201_2019_WY, 3N, 20190812</p>	

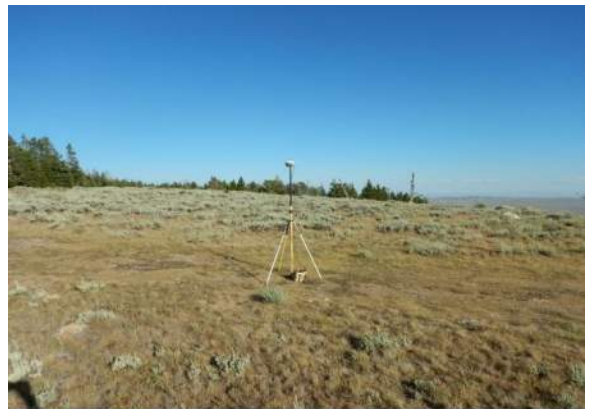


GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2202_2019_WY	Northing (m) 2209344.408	Easting (m) -960231.192	Elevation (m) 2744.172
Point Type NVA	Latitude (Local) N42°20'53.45460"	Longitude (Local) W107°45'38.38370"	Ellipsoid Height (m) 2730.865
Location Photo  NORTH			







2202_2019_WY, 3S, 20190812



2202_2019_WY, 3E, 20190812





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2204_2019_MT	Northing (m) 2575498.491	Easting (m) -676735.470	Elevation (m) 1057.316
Point Type NVA	Latitude (Local) N45°53'16.70675"	Longitude (Local) W104°43'16.75198"	Ellipsoid Height (m) 1041.366
Location Photo  NORTH			
			
<small>2204_2019_MT, 3W, 20190729</small>	<small>2204_2019_MT, 3N, 20190729</small>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2205_2019_MT	Northing (m) 2563969.417	Easting (m) -673853.026	Elevation (m) 1111.980
Point Type NVA	Latitude (Local) N45°47'13.03748"	Longitude (Local) W104°40'15.09878"	Ellipsoid Height (m) 1096.056
Location Photo  NORTH			





2205_2019_MT, 3N, 20190731



2205_2019_MT, 3E, 20190731



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2206_2019_MT	Northing (m) 2560547.169	Easting (m) -650048.947	Elevation (m) 976.025
Point Type NVA	Latitude (Local) N45°46'31.60709"	Longitude (Local) W104°21'44.29051"	Ellipsoid Height (m) 959.885
Location Photo  NORTH			





2206_2019_MT, 3W, 20190731



2206_2019_MT, 3S, 20190731



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2207_2019_MT	Northing (m) 2565838.471	Easting (m) -649731.371	Elevation (m) 983.685
Point Type NVA	Latitude (Local) N45°49'23.37423"	Longitude (Local) W104°21'51.17077"	Ellipsoid Height (m) 967.550
Location Photo  NORTH			







2207_2019_MT,13E 20190801



2207_2019_MT,3N, 20190801







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2208_2019_MT	Northing (m) 2590561.617	Easting (m) -679793.247	Elevation (m) 932.919
Point Type NVA	Latitude (Local) N46°01'14.02255"	Longitude (Local) W104°46'42.18415"	Ellipsoid Height (m) 916.940
Location Photo  NORTH			
 <p>2208_2019_MT, 3W, 20190729</p>		 <p>2208_2019_MT, 3N, 20190729</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2209_2019_MT	Northing (m) 2589938.090	Easting (m) -676288.612	Elevation (m) 981.452
Point Type NVA	Latitude (Local) N46°01'04.34187"	Longitude (Local) W104°43'57.52283"	Ellipsoid Height (m) 965.488
Location Photo  NORTH			
 <p style="text-align: center; font-size: small;">2209_2019_MT, 3N, 20190729</p>	 <p style="text-align: center; font-size: small;">2209_2019_MT, 3E, 20190729</p>		






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2210_2019_MT	Northing (m) 2578758.550	Easting (m) -667465.628	Elevation (m) 1018.455
Point Type NVA	Latitude (Local) N45°55'29.34382"	Longitude (Local) W104°36'22.70556"	Ellipsoid Height (m) 1002.475
Location Photo  NORTH			
 2210_2019_MT, 3N, 20190729	 2210_2019_MT, 3E, 20190729		





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2211_2019_MT	Northing (m) 2576558.839	Easting (m) -664102.085	Elevation (m) 1055.910
Point Type NVA	Latitude (Local) N45°54'28.14250"	Longitude (Local) W104°33'38.24779"	Ellipsoid Height (m) 1039.911
Location Photo  NORTH			
 <p>2211_2019_MT, 3S, 20190730</p>		 <p>2211_2019_MT, 3E, 20190730</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2212_2019_MT	Northing (m) 2554265.257	Easting (m) -651885.476	Elevation (m) 993.388
Point Type NVA	Latitude (Local) N45°43'03.55062"	Longitude (Local) W104°22'43.31901"	Ellipsoid Height (m) 977.252
Location Photo  NORTH			





2212_2019_MT, 3S, 20190731



2212_2019_MT, 3E, 20190731



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2213_2019_MT	Northing (m) 2558912.543	Easting (m) -654647.262	Elevation (m) 991.986
Point Type NVA	Latitude (Local) N45°45'25.68622"	Longitude (Local) W104°25'09.44426"	Ellipsoid Height (m) 975.843
Location Photo  NORTH			






2213_2019_MT, 3N, 20190731



2213_2019_MT, 3E, 20190731




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2214_2019_MT	Northing (m) 2564247.250	Easting (m) -654632.896	Elevation (m) 1034.172
Point Type NVA	Latitude (Local) N45°48'17.97346"	Longitude (Local) W104°25'30.62233"	Ellipsoid Height (m) 1018.064
Location Photo  NORTH			
 <p>2214_2019_MT, 3W, 20190731</p>		 <p>2214_2019_MT, 3S, 20190731</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2215_2019_MT	Northing (m) 2565397.101	Easting (m) -654978.956	Elevation (m) 1056.023
Point Type NVA	Latitude (Local) N45°48'54.10871"	Longitude (Local) W104°25'51.28610"	Ellipsoid Height (m) 1039.930
Location Photo ↑ NORTH			







2215_2019_MT, 3S, 20190731



2215_2019_MT, 3E, 20190731





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2216_2019_MT	Northing (m) 2541621.913	Easting (m) -636616.508	Elevation (m) 1234.286
Point Type NVA	Latitude (Local) N45°36'58.41727"	Longitude (Local) W104°10'10.16625"	Ellipsoid Height (m) 1218.332
Location Photo  NORTH			
			
2216_2019_MT, 3S, 20190802	2216_2019_MT, 3E, 20190802		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2217_2019_MT	Northing (m) 2525665.983	Easting (m) -641118.694	Elevation (m) 1069.424
Point Type NVA	Latitude (Local) N45°28'10.89472"	Longitude (Local) W104°12'33.60751"	Ellipsoid Height (m) 1053.509
Location Photo  NORTH			





2217_2019_MT,3N, 20190802



2217_2019_MT,3E, 20190802



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2218_2019_MT	Northing (m) 2537945.962	Easting (m) -644458.584	Elevation (m) 1099.335
Point Type NVA	Latitude (Local) N45°34'37.82162"	Longitude (Local) W104°15'55.90441"	Ellipsoid Height (m) 1083.346
Location Photo  NORTH			







2218_2019_MT, 3S, 20190802



2218_2019_MT, 3E, 20190802


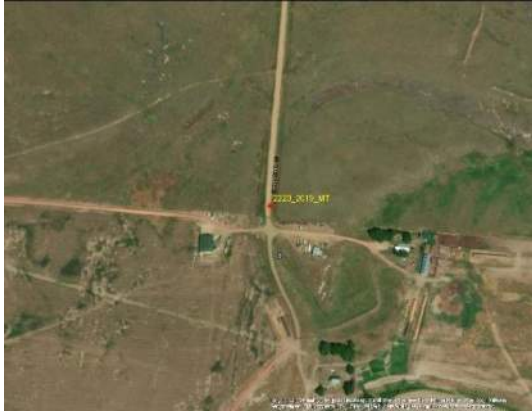




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2219_2019_MT	Northing (m) 2547891.466	Easting (m) -626551.874	Elevation (m) 971.499
Point Type NVA	Latitude (Local) N45°40'48.62731"	Longitude (Local) W104°02'51.90879"	Ellipsoid Height (m) 955.491
Location Photo  NORTH			
 <p>2219_2019_MT, 3W, 20190802</p>		 <p>2219_2019_MT, 3S, 20190802</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2220_2019_MT	Northing (m) 2570469.950	Easting (m) -627385.044	Elevation (m) 912.462
Point Type NVA	Latitude (Local) N45°52'55.58662"	Longitude (Local) W104°04'58.83655"	Ellipsoid Height (m) 896.431
Location Photo  NORTH			
 <p>2220_2019_MT, 3S, 20190801</p>		 <p>2220_2019_MT, 3E, 20190801</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2221_2019_MT	Northing (m) 2569442.502	Easting (m) -659350.517	Elevation (m) 1111.490
Point Type NVA	Latitude (Local) N45°50'52.13724"	Longitude (Local) W104°29'29.49463"	Ellipsoid Height (m) 1095.466
Location Photo  NORTH			
 <p>2221_2019_MT, 3W, 20190731</p>		 <p>2221_2019_MT, 3N, 20190731</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2222_2019_MT	Northing (m) 2574956.875	Easting (m) -665541.976	Elevation (m) 1064.403
Point Type NVA	Latitude (Local) N45°53'32.20490"	Longitude (Local) W104°34'38.01382"	Ellipsoid Height (m) 1048.409
Location Photo  NORTH			
 <p>2222_2019_MT, 3S, 20190730</p>		 <p>2222_2019_MT, 3E, 20190730</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2223_2019_MT	Northing (m) 2579578.483	Easting (m) -660606.274	Elevation (m) 1028.282
Point Type NVA	Latitude (Local) N45°56'15.84013"	Longitude (Local) W104°31'09.41955"	Ellipsoid Height (m) 1012.272
Location Photo  NORTH			
 <p>2223_2019_MT, 3S, 20190801</p>		 <p>2223_2019_MT, 3E, 20190801</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2224_2019_MT	Northing (m) 2574537.456	Easting (m) -648540.682	Elevation (m) 1020.928
Point Type NVA	Latitude (Local) N45°54'07.71559"	Longitude (Local) W104°21'31.64159"	Ellipsoid Height (m) 1004.832
Location Photo  NORTH			
 <p>2224_2019_MT, 3S, 20190801</p>		 <p>2224_2019_MT, 3E, 20190801</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2225_2019_MT	Northing (m) 2571342.115	Easting (m) -637794.783	Elevation (m) 966.110
Point Type NVA	Latitude (Local) N45°52'54.85047"	Longitude (Local) W104°13'02.75798"	Ellipsoid Height (m) 949.983
Location Photo  NORTH			
 <p>2225_2019_MT, 3W, 20190801</p>		 <p>2225_2019_MT, 3S, 20190801</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2226_2019_MT	Northing (m) 2566579.148	Easting (m) -638610.162	Elevation (m) 953.172
Point Type NVA	Latitude (Local) N45°50'18.71925"	Longitude (Local) W104°13'21.32211"	Ellipsoid Height (m) 937.034
Location Photo  NORTH			
 <p>2226_2019_MT,3N, 20190801</p>		 <p>2226_2019_MT,3E, 20190801</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2227_2019_MT	Northing (m) 2561702.939	Easting (m) -654918.122	Elevation (m) 1007.164
Point Type NVA	Latitude (Local) N45°46'55.00208"	Longitude (Local) W104°25'33.34382"	Ellipsoid Height (m) 991.036
Location Photo  NORTH			
 <p>2227_2019_MT, 3W, 20190731</p>		 <p>2227_2019_MT, 3S, 20190731</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2228_2019_MT	Northing (m) 2558489.810	Easting (m) -669704.850	Elevation (m) 1026.677
Point Type NVA	Latitude (Local) N45°44'28.36669"	Longitude (Local) W104°36'41.05757"	Ellipsoid Height (m) 1010.732
Location Photo  NORTH			







2228_2019_MT, 3S, 20190730



2228_2019_MT, 3E, 20190730






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2229_2019_MT	Northing (m) 2554513.812	Easting (m) -676602.305	Elevation (m) 1087.723
Point Type NVA	Latitude (Local) N45°41'59.71265"	Longitude (Local) W104°41'41.78166"	Ellipsoid Height (m) 1071.911
Location Photo  NORTH			
 <p>2229_2019_MT, 3S, 20190730</p>	 <p>2229_2019_MT, 3E, 20190730</p>		





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2230_2019_MT	Northing (m) 2550111.220	Easting (m) -681722.663	Elevation (m) 1067.247
Point Type NVA	Latitude (Local) N45°39'22.42966"	Longitude (Local) W104°45'18.62060"	Ellipsoid Height (m) 1051.521
Location Photo  NORTH			
 <p>2230_2019_MT, 3S, 20190730</p>		 <p>2230_2019_MT, 3E, 20190730</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2231_2019_MT	Northing (m) 2531651.602	Easting (m) -699264.333	Elevation (m) 971.770
Point Type NVA	Latitude (Local) N45°28'34.11220"	Longitude (Local) W104°57'24.69218"	Ellipsoid Height (m) 956.407
Location Photo  NORTH			







2231_2019_MT, 3N, 20190804



2231_2019_MT, 3E, 20190804







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2232_2019_MT	Northing (m) 2518713.879	Easting (m) -707151.775	Elevation (m) 1043.260
Point Type NVA	Latitude (Local) N45°21'12.86082"	Longitude (Local) W105°02'29.62909"	Ellipsoid Height (m) 1028.254
Location Photo  NORTH			
 <p>2232_2019_MT, 3W, 20190804</p>	 <p>2232_2019_MT, 3N, 20190804</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2233_2019_MT	Northing (m) 2507867.201	Easting (m) -705541.029	Elevation (m) 1040.235
Point Type NVA	Latitude (Local) N45°15'28.22370"	Longitude (Local) W105°00'28.74986"	Ellipsoid Height (m) 1025.442
Location Photo  NORTH			
 <p>2233_2019_MT,3N, 20190803</p>		 <p>2233_2019_MT,3E, 20190803</p>	







GCP OBSERVATION LOG

Project Number 79935		Project Name WY FEMA East Lidar		Company Woolpert		Field Operator DM/EN/NP/SH/BW	
Coordinate System Albers Equal Area (ESPG 6350)		Hor. Datum NAD 1983 (Conus)		Ver. Datum NAVD88		Zone Albers Equal Area ESPG 6350	
Station ID 2234_2019_WY		Northing (m) 2497297.432		Easting (m) -709268.054		Elevation (m) 1201.442	
Point Type NVA		Latitude (Local) N45°09'36.20820"		Longitude (Local) W105°02'32.93765"		Ellipsoid Height (m) 1186.816	
Location Photo  NORTH							
 <p>2234_2019_MT,3N, 20190803</p>				 <p>2234_2019_MT,3E, 20190803</p>			





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2234A_2019_WY	Northing (m) 2497509.731	Easting (m) -709449.185	Elevation (m) 1201.180
Point Type NVA	Latitude (Local) N45°09'42.49089"	Longitude (Local) W105°02'42.12542"	Ellipsoid Height (m) 1186.550
Location Photo  NORTH			
			
<small>2234A_2019_MT,3N, 20190803</small>	<small>2234A_2019_MT,3E, 20190803</small>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2235_2019_WY	Northing (m) 2488452.093	Easting (m) -708494.936	Elevation (m) 1282.303
Point Type NVA	Latitude (Local) N45°04'53.63323"	Longitude (Local) W105°01'19.24226"	Ellipsoid Height (m) 1267.815
Location Photo  NORTH			







2235_2019_MT,3N, 20190803



2235_2019_MT,3E, 20190803







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2236_2019_WY	Northing (m) 2477924.860	Easting (m) -710608.208	Elevation (m) 1220.133
Point Type NVA	Latitude (Local) N44°59'08.08546"	Longitude (Local) W105°02'09.78891"	Ellipsoid Height (m) 1205.675
Location Photo  NORTH			
 <p>2236_2019_MT,3N, 20190803</p>		 <p>2236_2019_MT,3E, 20190803</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2237_2019_WY	Northing (m) 2474802.450	Easting (m) -661501.772	Elevation (m) 1052.661
Point Type NVA	Latitude (Local) N44°59'53.12562"	Longitude (Local) W104°24'41.36466"	Ellipsoid Height (m) 1037.828
Location Photo  NORTH			
 <p>2237_2019_WY.3N, 20190723</p>		 <p>2237_2019_WY.3E, 20190717</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2238_2019_WY	Northing (m) 2470952.922	Easting (m) -655612.746	Elevation (m) 1074.900
Point Type NVA	Latitude (Local) N44°58'05.83749"	Longitude (Local) W104°19'57.75928"	Ellipsoid Height (m) 1060.034
Location Photo  NORTH			
 <p>2238_2019_WY, 3N, 20190723</p>		 <p>2238_2019_WY, 3E, 20190723</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2238A_2019_WY	Northing (m) 2470952.409	Easting (m) -655618.556	Elevation (m) 1074.758
Point Type NVA	Latitude (Local) N44°58'05.80451"	Longitude (Local) W104°19'58.02173"	Ellipsoid Height (m) 1059.892
Location Photo  NORTH			
 <p>2238A_2019_WY,3N, 20190723</p>		 <p>2238A_2019_WY,3E, 20190723</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2239_2019_WY	Northing (m) 2458223.681	Easting (m) -642011.590	Elevation (m) 1036.819
Point Type NVA	Latitude (Local) N44°51'53.75142"	Longitude (Local) W104°08'48.70868"	Ellipsoid Height (m) 1021.831
Location Photo  NORTH			
 <p>2239_2019_WY, 3W, 20190723</p>		 <p>2239_2019_WY, 3N, 20190723</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2240_2019_WY	Northing (m) 2433964.748	Easting (m) -640274.471	Elevation (m) 1050.596
Point Type NVA	Latitude (Local) N44°38'57.03691"	Longitude (Local) W104°05'55.52538"	Ellipsoid Height (m) 1035.954
Location Photo  NORTH			







2240_2019_WY, 3W, 20190722



2240_2019_WY, 3S, 20190722





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2241_2019_WY	Northing (m) 2392800.385	Easting (m) -660686.465	Elevation (m) 1551.376
Point Type NVA	Latitude (Local) N44°15'55.00584"	Longitude (Local) W104°18'36.82806"	Ellipsoid Height (m) 1537.862
Location Photo  NORTH			
 <p>2241_2019_WY, 3W, 20190723</p>		 <p>2241_2019_WY, 3N, 20190723</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2242A_2019_WY	Northing (m) 2381200.661	Easting (m) -655491.084	Elevation (m) 1683.583
Point Type NVA	Latitude (Local) N44°09'56.38486"	Longitude (Local) W104°13'57.36742"	Ellipsoid Height (m) 1670.272
Location Photo  NORTH			





2242A_2019_WY, 3W, 20190723



2242A_2019_WY, 3S, 20190723



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2242B_2019_WY	Northing (m) 2381202.387	Easting (m) -655539.944	Elevation (m) 1681.398
Point Type NVA	Latitude (Local) N44°09'56.30386"	Longitude (Local) W104°13'59.57225"	Ellipsoid Height (m) 1668.086
Location Photo  NORTH			





2242B_2019_WY, 3W, 20190723



2242B_2019_WY, 3S, 20190723



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2243_2019_WY	Northing (m) 2380272.802	Easting (m) -642586.049	Elevation (m) 1890.642
Point Type NVA	Latitude (Local) N44°10'02.23385"	Longitude (Local) W104°04'13.15467"	Ellipsoid Height (m) 1877.726
Location Photo  NORTH			





2243_2019_WY, 3S, 20190722



2243_2019_WY, 3E, 20190722



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2244_2019_WY	Northing (m) 2374315.999	Easting (m) -642002.704	Elevation (m) 1967.054
Point Type NVA	Latitude (Local) N44°06'52.17022"	Longitude (Local) W104°03'24.12831"	Ellipsoid Height (m) 1954.221
Location Photo  NORTH			







2244_2019_WY, 3W, 20190722



2244_2019_WY, 3N, 20190722





GCP OBSERVATION LOG

Project Number 79935		Project Name WY FEMA East Lidar		Company Woolpert		Field Operator DM/EN/NP/SH/BW	
Coordinate System Albers Equal Area (ESPG 6350)		Hor. Datum NAD 1983 (Conus)		Ver. Datum NAVD88		Zone Albers Equal Area ESPG 6350	
Station ID 2245_2019_WY		Northing (m) 2367235.762		Easting (m) -650180.491		Elevation (m) 1709.839	
Point Type NVA		Latitude (Local) N44°02'41.91097"		Longitude (Local) W104°09'04.41266"		Ellipsoid Height (m) 1696.623	
Location Photo  NORTH							
 <p>2245_2019_WY, 3S, 20190722</p>				 <p>2245_2019_WY, 3E, 20190722</p>			



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2246_2019_WY	Northing (m) 2139358.680	Easting (m) -748328.659	Elevation (m) 1532.020
Point Type NVA	Latitude (Local) N41°56'01.33371"	Longitude (Local) W105°06'06.16060"	Ellipsoid Height (m) 1518.542
Location Photo  NORTH			







2246_2019_WY, 3SW, 20190629



2246_2019_WY, 3NW, 20190629





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2247_2019_WY	Northing (m) 2105719.470	Easting (m) -725594.904	Elevation (m) 1712.134
Point Type NVA	Latitude (Local) N41°39'12.53639"	Longitude (Local) W104°47'20.69183"	Ellipsoid Height (m) 1696.617
Location Photo  NORTH			
 2247_2019_WY, 3NW, 20190612	 2247_2019_WY, 3NE, 20190612		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2248_2019_WY	Northing (m) 2147658.251	Easting (m) -720629.988	Elevation (m) 1530.880
Point Type NVA	Latitude (Local) N42°01'50.96913"	Longitude (Local) W104°46'33.82371"	Ellipsoid Height (m) 1515.718
Location Photo  NORTH			



2248_2019_WY, 3S, 20190630



2248_2019_WY, 3E, 20190630



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2249_2019_WY	Northing (m) 2151077.361	Easting (m) -732584.122	Elevation (m) 1461.181
Point Type NVA	Latitude (Local) N42°03'04.75475"	Longitude (Local) W104°55'28.90247"	Ellipsoid Height (m) 1446.651
Location Photo  NORTH			





2249_2019_WY, 3W, 20190630



2249_2019_WY, 3S, 20190630



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2250_2019_WY	Northing (m) 2153774.896	Easting (m) -736110.464	Elevation (m) 1441.072
Point Type NVA	Latitude (Local) N42°04'20.51969"	Longitude (Local) W104°58'13.77668"	Ellipsoid Height (m) 1426.780
Location Photo  NORTH			







2250_2019_WY, 3W, 20190630



2250_2019_WY, 3N, 20190630




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2251_2019_WY	Northing (m) 2171657.807	Easting (m) -732557.950	Elevation (m) 1468.075
Point Type NVA	Latitude (Local) N42°14'04.34875"	Longitude (Local) W104°56'52.49573"	Ellipsoid Height (m) 1453.810
Location Photo  NORTH			
			
<small>2251_2019_WY, 3N, 20190715</small>	<small>2251_2019_WY, 3E, 20190715</small>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2252_2019_WY	Northing (m) 2184610.898	Easting (m) -739315.836	Elevation (m) 1516.398
Point Type NVA	Latitude (Local) N42°20'38.92583"	Longitude (Local) W105°02'41.92526"	Ellipsoid Height (m) 1502.509
Location Photo  NORTH			
			
<small>2252_2019_WY, 3S, 20190620</small>	<small>2252_2019_WY, 3E, 20190620</small>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2253_2019_WY	Northing (m) 2228765.916	Easting (m) -716341.976	Elevation (m) 1606.848
Point Type NVA	Latitude (Local) N42°45'24.09070"	Longitude (Local) W104°48'55.81768"	Ellipsoid Height (m) 1592.432
Location Photo  NORTH			




2253_2019_WY, 3N, 20190617



2253_2019_WY, 3E, 20190617



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2254_2019_WY	Northing (m) 2229689.963	Easting (m) -722501.441	Elevation (m) 1549.381
Point Type NVA	Latitude (Local) N42°45'35.26994"	Longitude (Local) W104°53'30.93433"	Ellipsoid Height (m) 1534.865
Location Photo ↑ NORTH			







2254_2019_WY, 3N, 20190617



2254_2019_WY, 3E, 20190617



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2255_2019_WY	Northing (m) 2257819.331	Easting (m) -677580.886	Elevation (m) 1292.435
Point Type NVA	Latitude (Local) N43°02'49.19653"	Longitude (Local) W104°22'20.79503"	Ellipsoid Height (m) 1277.600
Location Photo  NORTH			
 <p>2255_2019_WY, 3W, 20190621</p>		 <p>2255_2019_WY, 3S, 20190621</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2256_2019_WY	Northing (m) 2362265.489	Easting (m) -672182.668	Elevation (m) 1316.130
Point Type NVA	Latitude (Local) N43°59'00.21390"	Longitude (Local) W104°25'12.49932"	Ellipsoid Height (m) 1301.974
Location Photo ↑ NORTH			




2256_2019_WY, 3W, 20190722



2256_2019_WY, 3N, 20190722



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2257_2019_WY	Northing (m) 2362852.914	Easting (m) -673046.818	Elevation (m) 1305.996
Point Type NVA	Latitude (Local) N43°59'16.63219"	Longitude (Local) W104°25'53.60880"	Ellipsoid Height (m) 1291.831
Location Photo  NORTH			




2257_2019_WY, 3S, 20190722



2257_2019_WY, 3E, 20190722



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2258_2019_WY	Northing (m) 2360940.083	Easting (m) -671893.160	Elevation (m) 1314.962
Point Type NVA	Latitude (Local) N43°58'18.42315"	Longitude (Local) W104°24'54.23323"	Ellipsoid Height (m) 1300.778
Location Photo ↑ NORTH			







2258_2019_WY, 3SW, 20190722



2258_2019_WY, 3NW, 20190722







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2259_2019_WY	Northing (m) 2373367.903	Easting (m) -684612.772	Elevation (m) 1294.956
Point Type NVA	Latitude (Local) N44°04'21.34899"	Longitude (Local) W104°35'15.14755"	Ellipsoid Height (m) 1280.814
Location Photo  NORTH			
			
<small>2259_2019_WY, 3W, 20190722</small>	<small>2259_2019_WY, 3N, 20190722</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2260_2019_WY	Northing (m) 2397423.619	Easting (m) -711937.124	Elevation (m) 1279.445
Point Type NVA	Latitude (Local) N44°15'53.54015"	Longitude (Local) W104°57'23.98257"	Ellipsoid Height (m) 1265.072
Location Photo  NORTH			
			
<small>2260_2019_WY, 3W, 20190724</small>	<small>2260_2019_WY, 3S, 20190724</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2261_2019_WY	Northing (m) 2399527.102	Easting (m) -714666.926	Elevation (m) 1269.627
Point Type NVA	Latitude (Local) N44°16'52.86477"	Longitude (Local) W104°59'35.87004"	Ellipsoid Height (m) 1255.227
Location Photo  NORTH			
 <p style="text-align: center; font-size: small;">2261_2019_WY,3N, 20190724</p>	 <p style="text-align: center; font-size: small;">2261_2019_WY, 3E, 20190717</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2262_2019_WY	Northing (m) 2420851.135	Easting (m) -697345.187	Elevation (m) 1251.864
Point Type NVA	Latitude (Local) N44°29'11.08456"	Longitude (Local) W104°48'04.89367"	Ellipsoid Height (m) 1237.825
Location Photo  NORTH			
			
<small>2262_2019_WY, 3W, 20190722</small>	<small>2262_2019_WY, 3S, 20190722</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2263_2019_WY	Northing (m) 2424766.665	Easting (m) -687563.068	Elevation (m) 1305.473
Point Type NVA	Latitude (Local) N44°31'46.12142"	Longitude (Local) W104°40'59.12466"	Ellipsoid Height (m) 1291.555
Location Photo  NORTH			
 <p>2263_2019_WY, 3S, 20190722</p>		 <p>2263_2019_WY, 3E, 20190722</p>	


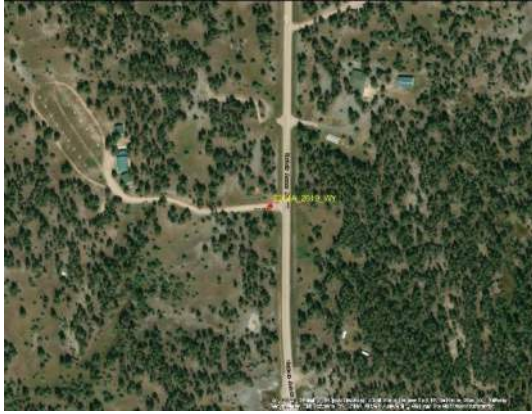




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2264_2019_WY	Northing (m) 2411249.686	Easting (m) -681457.851	Elevation (m) 1494.425
Point Type NVA	Latitude (Local) N44°24'49.05264"	Longitude (Local) W104°35'27.67607"	Ellipsoid Height (m) 1480.682
Location Photo  NORTH			
 <p>2264_2019_WY, 3N, 20190722</p>		 <p>2264_2019_WY, 3E, 20190722</p>	




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2264A_2019_WY	Northing (m) 2397861.815	Easting (m) -693404.753	Elevation (m) 1312.357
Point Type NVA	Latitude (Local) N44°17'03.23988"	Longitude (Local) W104°43'31.23047"	Ellipsoid Height (m) 1298.321
Location Photo  NORTH			
 <p>2264A_2019_WY, 3S, 20190724</p>		 <p>2264A_2019_WY, 3N, 20190724</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2265_2019_WY	Northing (m) 2357488.743	Easting (m) -654180.763	Elevation (m) 1512.373
Point Type NVA	Latitude (Local) N43°57'17.32849"	Longitude (Local) W104°11'26.24404"	Ellipsoid Height (m) 1498.799
Location Photo ↑ NORTH			





2265_2019_WY, 3W, 20190717



2265_2019_WY, 3S, 20190717



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2266_2019_WY	Northing (m) 2353257.673	Easting (m) -653831.043	Elevation (m) 1595.328
Point Type NVA	Latitude (Local) N43°55'02.23457"	Longitude (Local) W104°10'54.18056"	Ellipsoid Height (m) 1581.632
Location Photo  NORTH			





2266_2019_WY, 3N, 20190717



2266_2019_WY, 3E, 20190717



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2267_2019_WY	Northing (m) 2348960.556	Easting (m) -654835.816	Elevation (m) 1485.648
Point Type NVA	Latitude (Local) N43°52'41.26559"	Longitude (Local) W104°11'22.57981"	Ellipsoid Height (m) 1471.750
Location Photo  NORTH			







2267_2019_WY, 3N, 20190717



2267_2019_WY, 3E, 20190717







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2268_2019_WY	Northing (m) 2344261.185	Easting (m) -655247.253	Elevation (m) 1355.876
Point Type NVA	Latitude (Local) N43°50'09.02085"	Longitude (Local) W104°11'22.82415"	Ellipsoid Height (m) 1341.765
Location Photo  NORTH			
			
<small>2268_2019_WY, 3N, 20190717</small>	<small>2268_2019_WY, 3E, 20190717</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2269_2019_WY	Northing (m) 2343072.400	Easting (m) -652333.114	Elevation (m) 1330.461
Point Type NVA	Latitude (Local) N43°49'38.87423"	Longitude (Local) W104°09'07.76921"	Ellipsoid Height (m) 1316.457
Location Photo  NORTH			
 <p>2269_2019_WY, 3N, 20190717</p>	 <p>2269_2019_WY, 3E, 20190717</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2270_2019_WY	Northing (m) 2340778.074	Easting (m) -654722.059	Elevation (m) 1293.759
Point Type NVA	Latitude (Local) N43°48'18.49115"	Longitude (Local) W104°10'45.85403"	Ellipsoid Height (m) 1279.550
Location Photo  NORTH			
 <p style="text-align: center; font-size: small;">2270_2019_WY, 3W, 20190717</p>	 <p style="text-align: center; font-size: small;">2270_2019_WY, 3S, 20190717</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2271_2019_WY	Northing (m) 2318461.150	Easting (m) -657437.753	Elevation (m) 1139.469
Point Type NVA	Latitude (Local) N43°36'13.58271"	Longitude (Local) W104°11'21.11119"	Ellipsoid Height (m) 1124.654
Location Photo  NORTH			
 <p>2271_2019_WY, 3S, 20190720</p>		 <p>2271_2019_WY, 3E, 20190720</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2272_2019_WY	Northing (m) 2180618.336	Easting (m) -711355.028	Elevation (m) 1524.233
Point Type NVA	Latitude (Local) N42°19'54.86800"	Longitude (Local) W104°42'01.39154"	Ellipsoid Height (m) 1509.484
Location Photo  NORTH			
 <p>2272_2019_WY, 3W, 20190717</p>		 <p>2272_2019_WY, 3S, 20190717</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2273_2019_WY	Northing (m) 2173878.440	Easting (m) -718655.486	Elevation (m) 1363.232
Point Type NVA	Latitude (Local) N42°15'57.21230"	Longitude (Local) W104°46'53.67172"	Ellipsoid Height (m) 1348.463
Location Photo  NORTH			
 <p>2273_2019_WY, 3W, 20190715</p>		 <p>2273_2019_WY, 3N, 20190715</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2274_2019_WY	Northing (m) 2149424.711	Easting (m) -724948.817	Elevation (m) 1503.549
Point Type NVA	Latitude (Local) N42°02'34.71952"	Longitude (Local) W104°49'49.26048"	Ellipsoid Height (m) 1488.620
Location Photo  NORTH			







2274_2019_WY, 3SW, 20190630



2274_2019_WY, 3NW, 20190630







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2275_2019_WY	Northing (m) 2377322.047	Easting (m) -687797.123	Elevation (m) 1294.611
Point Type NVA	Latitude (Local) N44°06'19.19413"	Longitude (Local) W104°37'54.33003"	Ellipsoid Height (m) 1280.490
Location Photo  NORTH			
 <p>2275_2019_WY, 3W, 20190721</p>		 <p>2275_2019_WY, 3S, 20190721</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2276_2019_WY	Northing (m) 2408952.200	Easting (m) -664993.961	Elevation (m) 1459.793
Point Type NVA	Latitude (Local) N44°24'22.55765"	Longitude (Local) W104°22'55.21435"	Ellipsoid Height (m) 1446.188
Location Photo  NORTH			
 <p>2276_2019_WY, 3S, 20190721</p>		 <p>2276_2019_WY, 3E, 20190721</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2277_2019_WY	Northing (m) 2378399.780	Easting (m) -686560.001	Elevation (m) 1320.456
Point Type NVA	Latitude (Local) N44°06'57.47034"	Longitude (Local) W104°37'03.14682"	Ellipsoid Height (m) 1306.377
Location Photo  NORTH			
 2277_2019_WY, 3W, 20190721	 2277_2019_WY, 3S, 20190721		





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2278_2019_WY	Northing (m) 2374283.732	Easting (m) -688695.101	Elevation (m) 1281.614
Point Type NVA	Latitude (Local) N44°04'38.86680"	Longitude (Local) W104°38'22.23226"	Ellipsoid Height (m) 1267.420
Location Photo  NORTH			
 <p>2278_2019_WY, NE, 20190721</p>		 <p>2278_2019_WY, 3NW, 20190721</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2279_2019_WY	Northing (m) 2373153.130	Easting (m) -694294.508	Elevation (m) 1324.742
Point Type NVA	Latitude (Local) N44°03'46.03778"	Longitude (Local) W104°42'29.03441"	Ellipsoid Height (m) 1310.443
Location Photo  NORTH			







2279_2019_WY, 3N, 20190721



2279_2019_WY, 3E, 20190721







GCP OBSERVATION LOG

Project Number 79935		Project Name WY FEMA East Lidar		Company Woolpert		Field Operator DM/EN/NP/SH/BW	
Coordinate System Albers Equal Area (ESPG 6350)		Hor. Datum NAD 1983 (Conus)		Ver. Datum NAVD88		Zone Albers Equal Area ESPG 6350	
Station ID 2280_2019_WY		Northing (m) 2384165.586		Easting (m) -695735.475		Elevation (m) 1315.893	
Point Type NVA		Latitude (Local) N44°09'35.85986"		Longitude (Local) W104°44'19.32686"		Ellipsoid Height (m) 1301.730	
Location Photo  NORTH							
 <p>2280_2019_WY, 3SW, 20190721</p>				 <p>2280_2019_WY, 3NW, 20190721</p>			







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2281_2019_WY	Northing (m) 2432137.506	Easting (m) -801804.024	Elevation (m) 1153.854
Point Type NVA	Latitude (Local) N44°29'38.40902"	Longitude (Local) W106°07'32.08629"	Ellipsoid Height (m) 1139.020
Location Photo  NORTH			
 2281_2019_WY, 3W, 20190731	 2281_2019_WY, 3S, 20190731		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2282_2019_WY	Northing (m) 2435987.928	Easting (m) -855196.326	Elevation (m) 1462.940
Point Type NVA	Latitude (Local) N44°28'32.51262"	Longitude (Local) W106°47'59.05396"	Ellipsoid Height (m) 1450.551
Location Photo  NORTH			
 <p>2282_2019_WY, 3W, 20190805</p>		 <p>2282_2019_WY, 3N, 20190805</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2283_2019_WY	Northing (m) 2406704.606	Easting (m) -868742.471	Elevation (m) 2496.806
Point Type NVA	Latitude (Local) N44°12'02.80014"	Longitude (Local) W106°55'37.10248"	Ellipsoid Height (m) 2487.099
Location Photo  NORTH			
 <p>2283_2019_WY, 3S, 20190807</p>		 <p>2283_2019_WY, 3E, 20190807</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2284_2019_WY	Northing (m) 2400593.043	Easting (m) -872152.367	Elevation (m) 2497.905
Point Type NVA	Latitude (Local) N44°08'34.09303"	Longitude (Local) W106°57'38.36444"	Ellipsoid Height (m) 2488.385
Location Photo  NORTH			
 <p>2284_2019_WY, 3W, 20190924</p>	 <p>2284_2019_WY, 3N, 20190924</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2285_2019_WY	Northing (m) 2402471.332	Easting (m) -881499.914	Elevation (m) 2941.995
Point Type NVA	Latitude (Local) N44°08'59.41413"	Longitude (Local) W107°04'47.33266"	Ellipsoid Height (m) 2933.191
Location Photo ↑ NORTH			
 <p>2285_2019_WY, 3W, 20190924</p>		 <p>2285_2019_WY, 3S, 20190924</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2286_2019_WY	Northing (m) 2380615.458	Easting (m) -852418.573	Elevation (m) 1457.119
Point Type NVA	Latitude (Local) N43°59'05.67831"	Longitude (Local) W106°41'11.96197"	Ellipsoid Height (m) 1444.494
Location Photo  NORTH			
 <p>2286_2019_WY, 3W, 20190924</p>		 <p>2286_2019_WY, 3N, 20190924</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2287_2019_WY	Northing (m) 2360807.271	Easting (m) -859843.417	Elevation (m) 1559.289
Point Type NVA	Latitude (Local) N43°48'03.44739"	Longitude (Local) W106°45'03.51349"	Ellipsoid Height (m) 1547.088
Location Photo  NORTH			
 <p style="text-align: center;">2287_2019_WY, 3SW, 20190803</p>	 <p style="text-align: center;">2287_2019_WY, 3SE, 20190803</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2288_2019_WY	Northing (m) 2358215.932	Easting (m) -857873.958	Elevation (m) 1525.044
Point Type NVA	Latitude (Local) N43°46'47.52462"	Longitude (Local) W106°43'22.50991"	Ellipsoid Height (m) 1512.628
Location Photo  NORTH			
 <p style="text-align: center;">2288_2019_WY, 3SW, 20190803</p>	 <p style="text-align: center;">2288_2019_WY, 3SE, 20190803</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2289_2019_WY	Northing (m) 2355930.306	Easting (m) -848997.615	Elevation (m) 1442.308
Point Type NVA	Latitude (Local) N43°46'06.31545"	Longitude (Local) W106°36'34.98737"	Ellipsoid Height (m) 1429.173
Location Photo  NORTH			
 <p>2289_2019_WY, 3S, 20190803</p>		 <p>2289_2019_WY, 3E, 20190803</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2290_2019_WY	Northing (m) 2346655.306	Easting (m) -852757.029	Elevation (m) 1463.920
Point Type NVA	Latitude (Local) N43°40'55.38631"	Longitude (Local) W106°38'36.17066"	Ellipsoid Height (m) 1451.014
Location Photo  NORTH			
 <p>2290_2019_WY, 3W, 20190801</p>		 <p>2290_2019_WY, 3S, 20190801</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2291_2019_WY	Northing (m) 2349406.817	Easting (m) -852003.394	Elevation (m) 1416.462
Point Type NVA	Latitude (Local) N43°42'26.32122"	Longitude (Local) W106°38'16.37188"	Ellipsoid Height (m) 1403.506
Location Photo  NORTH			
			
2291_2019_WY, 3S, 20190801		2291_2019_WY, 3E, 20190801	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2291A_2019_WY	Northing (m) 2349418.273	Easting (m) -852004.383	Elevation (m) 1416.216
Point Type NVA	Latitude (Local) N43°42'26.68498"	Longitude (Local) W106°38'16.47336"	Ellipsoid Height (m) 1403.260
Location Photo  NORTH			
			
2291A_2019_WY, 3W, 20190801		2291A_2019_WY, 3S, 20190801	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2292_2019_WY	Northing (m) 2329426.286	Easting (m) -841258.170	Elevation (m) 1509.548
Point Type NVA	Latitude (Local) N43°32'24.16047"	Longitude (Local) W106°28'38.71434"	Ellipsoid Height (m) 1496.187
Location Photo  NORTH			
 <p>2292_2019_WY, 3NW, 20190731</p>		 <p>2292_2019_WY, 3NE, 20190731</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2293_2019_WY	Northing (m) 2318092.924	Easting (m) -962549.043	Elevation (m) 1563.615
Point Type NVA	Latitude (Local) N43°18'40.61187"	Longitude (Local) W107°57'19.60711"	Ellipsoid Height (m) 1549.573
Location Photo  NORTH			
 <p>2293_2019_WY, 3N, 20190816</p>		 <p>2293_2019_WY, 3E, 20190816</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2293A_2019_WY	Northing (m) 2317433.303	Easting (m) -963952.112	Elevation (m) 1540.548
Point Type NVA	Latitude (Local) N43°18'13.83278"	Longitude (Local) W107°58'17.98713"	Ellipsoid Height (m) 1526.444
Location Photo  NORTH			





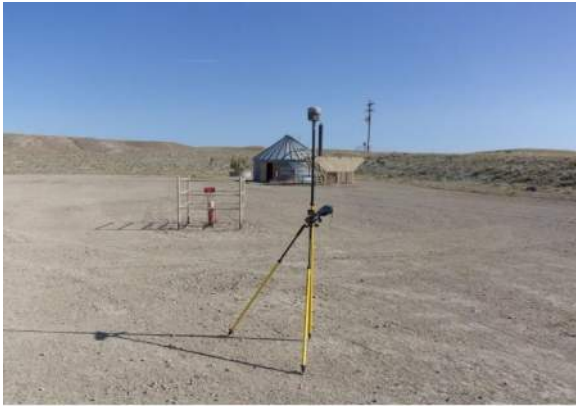

2293A_2019_WY, 3W, 20190818



2293A_2019_WY, 3S, 20190818







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2294_2019_WY	Northing (m) 2314448.852	Easting (m) -948747.019	Elevation (m) 1600.921
Point Type NVA	Latitude (Local) N43°17'39.46335"	Longitude (Local) W107°46'48.71660"	Ellipsoid Height (m) 1587.007
Location Photo  NORTH			
 <p style="text-align: center; font-size: small;">2294_2019_WY, 3N, 20190816</p>	 <p style="text-align: center; font-size: small;">2294_2019_WY, 3E, 20190816</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2295_2019_WY	Northing (m) 2310254.237	Easting (m) -928521.506	Elevation (m) 1778.056
Point Type NVA	Latitude (Local) N43°16'44.99777"	Longitude (Local) W107°31'30.95251"	Ellipsoid Height (m) 1764.581
Location Photo  NORTH			
 <p style="text-align: center;">2295_2019_WY, 3W, 20190816</p>	 <p style="text-align: center;">2295_2019_WY, 3N, 20190816</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2296_2019_WY	Northing (m) 2316548.042	Easting (m) -934490.553	Elevation (m) 1708.935
Point Type NVA	Latitude (Local) N43°19'43.05428"	Longitude (Local) W107°36'29.22686"	Ellipsoid Height (m) 1695.537
Location Photo  NORTH			
			
<small>2296_2019_WY, 3W, 20190816</small>	<small>2296_2019_WY, 3N, 20190816</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2297_2019_WY	Northing (m) 2318560.477	Easting (m) -930596.983	Elevation (m) 1752.163
Point Type NVA	Latitude (Local) N43°21'02.72846"	Longitude (Local) W107°33'47.72400"	Ellipsoid Height (m) 1739.088
Location Photo  NORTH			
 <p>2297_2019_WY, 3W, 20190816</p>		 <p>2297_2019_WY, 3N, 20190816</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2298_2019_WY	Northing (m) 2318255.621	Easting (m) -931911.505	Elevation (m) 1746.729
Point Type NVA	Latitude (Local) N43°20'47.82328"	Longitude (Local) W107°34'44.29239"	Ellipsoid Height (m) 1733.561
Location Photo  NORTH			
 <p style="text-align: center; font-size: small;">2298_2019_WY, 3W, 20190816</p>	 <p style="text-align: center; font-size: small;">2298_2019_WY, 3S, 20190816</p>		




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2299_2019_WY	Northing (m) 2360611.818	Easting (m) -982695.547	Elevation (m) 1431.311
Point Type NVA	Latitude (Local) N43°39'58.21245"	Longitude (Local) W108°16'14.74792"	Ellipsoid Height (m) 1418.364
Location Photo  NORTH			
 <p>2299_2019_WY, 3S, 20190806</p>		 <p>2299_2019_WY, 3E, 20190806</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2300_2019_WY	Northing (m) 2362470.094	Easting (m) -984609.945	Elevation (m) 1411.495
Point Type NVA	Latitude (Local) N43°40'49.70354"	Longitude (Local) W108°17'50.59805"	Ellipsoid Height (m) 1398.565
Location Photo ↑ NORTH			







2300_2019_WY, 3S, 20190806



2300_2019_WY, 3E, 20190806







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2301_2019_WY	Northing (m) 2363802.803	Easting (m) -985749.591	Elevation (m) 1407.366
Point Type NVA	Latitude (Local) N43°41'27.59331"	Longitude (Local) W108°18'48.98916"	Ellipsoid Height (m) 1394.455
Location Photo  NORTH			
 <p>2301_2019_WY, 3S, 20190806</p>		 <p>2301_2019_WY, 3E, 20190806</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2302_2019_WY	Northing (m) 2364360.577	Easting (m) -986594.182	Elevation (m) 1424.622
Point Type NVA	Latitude (Local) N43°41'41.91561"	Longitude (Local) W108°19'29.78088"	Ellipsoid Height (m) 1411.732
Location Photo  NORTH			
 2302_2019_WY, 3S, 20190806	 2302_2019_WY, 3E, 20190806		





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2303_2019_WY	Northing (m) 2366331.438	Easting (m) -988815.485	Elevation (m) 1457.493
Point Type NVA	Latitude (Local) N43°42'35.68831"	Longitude (Local) W108°21'20.01732"	Ellipsoid Height (m) 1444.657
Location Photo  NORTH			
 <p style="text-align: center; font-size: small;">2303_2019_WY, 3N, 20190806</p>	 <p style="text-align: center; font-size: small;">2303_2019_WY, 3E, 20190806</p>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2304_2019_WY	Northing (m) 2367812.078	Easting (m) -989993.705	Elevation (m) 1482.817
Point Type NVA	Latitude (Local) N43°43'18.12545"	Longitude (Local) W108°22'21.04330"	Ellipsoid Height (m) 1470.010
Location Photo  NORTH			







2304_2019_WY, 3N, 20190806



2304_2019_WY, 3E, 20190806







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2305_2019_WY	Northing (m) 2369742.977	Easting (m) -991907.267	Elevation (m) 1508.916
Point Type NVA	Latitude (Local) N43°44'11.87466"	Longitude (Local) W108°23'57.43479"	Ellipsoid Height (m) 1496.168
Location Photo  NORTH			
 <p>2305_2019_WY, 3W, 20190806</p>	 <p>2305_2019_WY, 3S, 20190806</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2306_2019_WY	Northing (m) 2371414.961	Easting (m) -993829.665	Elevation (m) 1551.361
Point Type NVA	Latitude (Local) N43°44'57.28554"	Longitude (Local) W108°25'32.74642"	Ellipsoid Height (m) 1538.679
Location Photo  NORTH			
 <p>2306_2019_MT,3N, 20190806</p>	 <p>2306_2019_MT,3E, 20190806</p>		




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2307_2019_WY	Northing (m) 2381724.925	Easting (m) -995828.142	Elevation (m) 1518.099
Point Type NVA	Latitude (Local) N43°50'18.71251"	Longitude (Local) W108°28'02.20363"	Ellipsoid Height (m) 1505.382
Location Photo  NORTH			
 <p>2307_2019_MT,3N, 20190806</p>	 <p>2307_2019_MT,3E, 20190806</p>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2308_2019_WY	Northing (m) 2385134.549	Easting (m) -995294.399	Elevation (m) 1525.293
Point Type NVA	Latitude (Local) N43°52'10.05980"	Longitude (Local) W108°27'58.46580"	Ellipsoid Height (m) 1512.519
Location Photo ↑ NORTH			







2308_2019_MT,3N, 20190806



2308_2019_MT,3E, 20190806







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2309_2019_WY	Northing (m) 2387446.540	Easting (m) -996072.708	Elevation (m) 1573.233
Point Type NVA	Latitude (Local) N43°53'20.74953"	Longitude (Local) W108°28'46.76986"	Ellipsoid Height (m) 1560.479
Location Photo  NORTH			
 2309_2019_WY, 3W, 20190807	 2309_2019_WY, 3S, 20190807		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2310_2019_WY	Northing (m) 2390834.533	Easting (m) -999710.682	Elevation (m) 1587.835
Point Type NVA	Latitude (Local) N43°54'53.74939"	Longitude (Local) W108°31'48.99777"	Ellipsoid Height (m) 1575.239
Location Photo  NORTH			
 <p>2310_2019_WY, 3W, 20190807</p>		 <p>2310_2019_WY, 3N, 20190807</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2311_2019_WY	Northing (m) 2390943.776	Easting (m) -1002750.473	Elevation (m) 1627.776
Point Type NVA	Latitude (Local) N43°54'44.32619"	Longitude (Local) W108°34'05.21618"	Ellipsoid Height (m) 1615.361
Location Photo  NORTH			
 <p>2311_2019_WY, 3N, 20190807</p>		 <p>2311_2019_WY, 3E, 20190807</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2312_2019_WY	Northing (m) 2391819.055	Easting (m) -1005195.429	Elevation (m) 1656.794
Point Type NVA	Latitude (Local) N43°55'01.91097"	Longitude (Local) W108°35'59.45432"	Ellipsoid Height (m) 1644.515
Location Photo  NORTH			
 <p>2312_2019_WY, 3W, 20190807</p>	 <p>2312_2019_WY, 3S, 20190807</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2313_2019_WY	Northing (m) 2393039.600	Easting (m) -1007818.638	Elevation (m) 1689.762
Point Type NVA	Latitude (Local) N43°55'29.75191"	Longitude (Local) W108°38'03.71805"	Ellipsoid Height (m) 1677.639
Location Photo  NORTH			
 <p>2313_2019_WY, 3S, 20190807</p>		 <p>2313_2019_WY, 3E, 20190807</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2314_2019_WY	Northing (m) 2394602.464	Easting (m) -1008521.105	Elevation (m) 1701.771
Point Type NVA	Latitude (Local) N43°56'16.74547"	Longitude (Local) W108°38'44.37860"	Ellipsoid Height (m) 1689.669
Location Photo  NORTH			
 <p>2314_2019_WY, 3S, 20190807</p>		 <p>2314_2019_WY, 3E, 20190807</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2315_2019_WY	Northing (m) 2396513.628	Easting (m) -1008180.695	Elevation (m) 1741.896
Point Type NVA	Latitude (Local) N43°57'19.34818"	Longitude (Local) W108°38'40.60426"	Ellipsoid Height (m) 1729.740
Location Photo  NORTH			
 <p>2315_2019_WY, 3W, 20190807</p>		 <p>2315_2019_WY, 3S, 20190807</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2316_2019_WY	Northing (m) 2399659.041	Easting (m) -1005468.457	Elevation (m) 1659.018
Point Type NVA	Latitude (Local) N43°59'11.58985"	Longitude (Local) W108°36'58.32187"	Ellipsoid Height (m) 1646.620
Location Photo  NORTH			
			
<small>2316_2019_WY, 3N, 20190807</small>	<small>2316_2019_WY, 3E, 20190807</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2317_2019_WY	Northing (m) 2390872.830	Easting (m) -1020135.241	Elevation (m) 1911.647
Point Type NVA	Latitude (Local) N43°53'27.43607"	Longitude (Local) W108°46'59.85893"	Ellipsoid Height (m) 1900.496
Location Photo  NORTH			
 2317_2019_WY,3N, 20190808	 2317_2019_WY,3E, 20190808		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2318_2019_WY	Northing (m) 2377514.959	Easting (m) -1011718.643	Elevation (m) 1723.111
Point Type NVA	Latitude (Local) N43°46'56.45211"	Longitude (Local) W108°39'24.89169"	Ellipsoid Height (m) 1711.326
Location Photo  NORTH			
 <p>2318_2019_WY, 3W, 20190806</p>		 <p>2318_2019_WY, 3S, 20190806</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2319_2019_WY	Northing (m) 2386789.937	Easting (m) -1025391.040	Elevation (m) 2064.117
Point Type NVA	Latitude (Local) N43°50'54.05997"	Longitude (Local) W108°50'29.34902"	Ellipsoid Height (m) 2053.439
Location Photo  NORTH			
 <p>2319_2019_WY,3N, 20190808</p>	 <p>2319_2019_WY,3N, 20190808 (2)</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2320_2019_WY	Northing (m) 2372795.676	Easting (m) -1077503.631	Elevation (m) 2584.921
Point Type NVA	Latitude (Local) N43°39'34.85965"	Longitude (Local) W109°27'39.44089"	Ellipsoid Height (m) 2576.790
Location Photo  NORTH			
 <p>2320_2019_WY, 3W, 20190828</p>		 <p>2320_2019_WY, 3S, 20190828</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2321_2019_WY	Northing (m) 2376291.146	Easting (m) -1074626.494	Elevation (m) 2797.098
Point Type NVA	Latitude (Local) N43°41'39.59595"	Longitude (Local) W109°25'53.83408"	Ellipsoid Height (m) 2789.125
Location Photo  NORTH			
 <p>2321_2019_WY, 3W, 20190828</p>		 <p>2321_2019_WY, 3S, 20190828</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2322_2019_WY	Northing (m) 2359836.513	Easting (m) -1111422.093	Elevation (m) 2887.583
Point Type NVA	Latitude (Local) N43°30'04.43791"	Longitude (Local) W109°51'19.27279"	Ellipsoid Height (m) 2879.719
Location Photo  NORTH			
			
<small>2322_2019_WY, 3N, 20190827</small>	<small>2322_2019_WY, 3E, 20190827</small>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2323_2019_WY	Northing (m) 2362762.866	Easting (m) -1109970.291	Elevation (m) 2901.925
Point Type NVA	Latitude (Local) N43°31'44.62206"	Longitude (Local) W109°50'34.03079"	Ellipsoid Height (m) 2894.085
Location Photo  NORTH			







2323_2019_WY, 3N, 20190827



2323_2019_WY, 3E, 20190827







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2324_2019_WY	Northing (m) 2367243.434	Easting (m) -1107042.154	Elevation (m) 2557.800
Point Type NVA	Latitude (Local) N43°34'21.31256"	Longitude (Local) W109°48'53.45007"	Ellipsoid Height (m) 2549.904
Location Photo  NORTH			
 2324_2019_WY, 3N, 20190827	 2324_2019_WY, 3E, 20190827		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2325_2019_WY	Northing (m) 2370250.299	Easting (m) -1116263.279	Elevation (m) 2655.247
Point Type NVA	Latitude (Local) N43°35'14.00207"	Longitude (Local) W109°56'01.48460"	Ellipsoid Height (m) 2647.118
Location Photo  NORTH			
 <p>2325_2019_WY, 3W, 20190829</p>		 <p>2325_2019_WY, 3N, 20190829</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2326_2019_WY	Northing (m) 2228176.453	Easting (m) -1162046.872	Elevation (m) 2043.552
Point Type NVA	Latitude (Local) N42°16'08.23461"	Longitude (Local) W110°13'59.34116"	Ellipsoid Height (m) 2030.505
Location Photo  NORTH			
 <p>2326_2019_WY, 3W, 20190904</p>		 <p>2326_2019_WY, 3S, 20190904</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2327_2019_WY	Northing (m) 2227111.284	Easting (m) -1158959.936	Elevation (m) 2011.309
Point Type NVA	Latitude (Local) N42°15'49.13454"	Longitude (Local) W110°11'38.28090"	Ellipsoid Height (m) 1998.095
Location Photo  NORTH			
			
<small>2327_2019_WY, 3W, 20190904</small>	<small>2327_2019_WY, 3S, 20190904</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2328_2019_WY	Northing (m) 2230865.062	Easting (m) -1154816.769	Elevation (m) 2058.241
Point Type NVA	Latitude (Local) N42°18'08.45847"	Longitude (Local) W110°09'02.76372"	Ellipsoid Height (m) 2045.015
Location Photo  NORTH			
 <p>2328_2019_WY, 3W, 20190904</p>		 <p>2328_2019_WY, 3N, 20190904</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2329_2019_WY	Northing (m) 2232684.901	Easting (m) -1139987.853	Elevation (m) 2217.194
Point Type NVA	Latitude (Local) N42°20'16.79802"	Longitude (Local) W109°58'29.77926"	Ellipsoid Height (m) 2203.674
Location Photo  NORTH			
 <p>2329_2019_WY, 3W, 20190904</p>		 <p>2329_2019_WY, 3N, 20190904</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2330_2019_WY	Northing (m) 2241492.496	Easting (m) -1121552.555	Elevation (m) 2157.556
Point Type NVA	Latitude (Local) N42°26'23.70230"	Longitude (Local) W109°46'03.52824"	Ellipsoid Height (m) 2144.025
Location Photo  NORTH			
 <p style="text-align: center; font-size: small;">2330_2019_WY, 3N, 20190916</p>	 <p style="text-align: center; font-size: small;">2330_2019_WY, 3E, 20190916</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2331_2019_WY	Northing (m) 2239878.449	Easting (m) -1117364.620	Elevation (m) 2182.283
Point Type NVA	Latitude (Local) N42°25'51.70273"	Longitude (Local) W109°42'50.79746"	Ellipsoid Height (m) 2168.738
Location Photo  NORTH			
			
<small>2331_2019_WY, 3W, 20190916</small>	<small>2331_2019_WY, 3S, 20190916</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2332_2019_WY	Northing (m) 2242856.081	Easting (m) -1112367.352	Elevation (m) 2227.924
Point Type NVA	Latitude (Local) N42°27'49.68570"	Longitude (Local) W109°39'31.80670"	Ellipsoid Height (m) 2214.552
Location Photo  NORTH			
 <p>2332_2019_WY, 3S, 20190916</p>		 <p>2332_2019_WY, 3E, 20190916</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2333_2019_WY	Northing (m) 2242107.551	Easting (m) -1106855.396	Elevation (m) 2181.819
Point Type NVA	Latitude (Local) N42°27'51.18912"	Longitude (Local) W109°35'26.76976"	Ellipsoid Height (m) 2168.557
Location Photo  NORTH			
 <p>2333_2019_WY, 3S, 20190916</p>		 <p>2333_2019_WY, 3E, 20190916</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2333A_2019_WY	Northing (m) 2252634.452	Easting (m) -1107139.933	Elevation (m) 2242.651
Point Type NVA	Latitude (Local) N42°33'25.41583"	Longitude (Local) W109°36'45.37555"	Ellipsoid Height (m) 2229.824
Location Photo <div style="text-align: center;">  NORTH </div>			







2333A_2019_WY, 3S, 20190905



2333A_2019_WY, 3E, 20190905







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2334_2019_WY	Northing (m) 2236154.519	Easting (m) -1104677.107	Elevation (m) 2148.215
Point Type NVA	Latitude (Local) N42°24'51.43582"	Longitude (Local) W109°33'14.50795"	Ellipsoid Height (m) 2134.781
Location Photo  NORTH			
 <p>2334_2019_WY, 3W, 20190916</p>		 <p>2334_2019_WY, 3N, 20190916</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2335_2019_WY	Northing (m) 2247507.185	Easting (m) -1087439.903	Elevation (m) 2248.258
Point Type NVA	Latitude (Local) N42°32'11.70127"	Longitude (Local) W109°21'53.24680"	Ellipsoid Height (m) 2236.363
Location Photo  NORTH			
 <p>2335_2019_WY, 3W, 20190917</p>		 <p>2335_2019_WY, 3N, 20190917</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2336_2019_WY	Northing (m) 2266368.639	Easting (m) -1097505.166	Elevation (m) 2187.524
Point Type NVA	Latitude (Local) N42°41'27.41876"	Longitude (Local) W109°31'10.55930"	Ellipsoid Height (m) 2176.298
Location Photo  NORTH			







2336_2019_WY, 3W, 20190905



2336_2019_WY, 3N, 20190905





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2337_2019_WY	Northing (m) 2226496.569	Easting (m) -963447.453	Elevation (m) 1925.413
Point Type NVA	Latitude (Local) N42°29'48.67826"	Longitude (Local) W107°49'32.36529"	Ellipsoid Height (m) 1912.638
Location Photo  NORTH			
 <p>2337_2019_WY, 3N, 20190810</p>		 <p>2337_2019_WY, 3E, 20190810</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2338_2019_MT	Northing (m) 2566817.434	Easting (m) -655269.098	Elevation (m) 1106.891
Point Type NVA	Latitude (Local) N45°49'39.13901"	Longitude (Local) W104°26'10.48796"	Ellipsoid Height (m) 1090.812
Location Photo <div style="text-align: center;">  NORTH </div>			







2338_2019_MT, 3S, 20190731



2338_2019_MT, 3E, 20190731







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2339_2019_MT	Northing (m) 2565666.000	Easting (m) -634226.807	Elevation (m) 931.764
Point Type NVA	Latitude (Local) N45°50'01.46282"	Longitude (Local) W104°09'55.51586"	Ellipsoid Height (m) 915.645
Location Photo  NORTH			
 <p>2339_2019_MT, 3W, 20190801</p>		 <p>2339_2019_MT, 3S, 20190801</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2340_2019_MT	Northing (m) 2548591.727	Easting (m) -629810.849	Elevation (m) 994.099
Point Type NVA	Latitude (Local) N45°41'02.28215"	Longitude (Local) W104°05'24.62935"	Ellipsoid Height (m) 978.098
Location Photo  NORTH			
 <p>2340_2019_MT, 3W, 20190802</p>	 <p>2340_2019_MT, 3S, 20190802</p>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2341_2019_MT	Northing (m) 2520781.479	Easting (m) -630194.149	Elevation (m) 969.978
Point Type NVA	Latitude (Local) N45°26'03.53692"	Longitude (Local) W104°03'53.39413"	Ellipsoid Height (m) 953.946
Location Photo  NORTH			







2341_2019_MT,3N, 20190802



2341_2019_MT,3E, 20190802







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2342_2019_MT	Northing (m) 2518142.106	Easting (m) -631414.431	Elevation (m) 975.199
Point Type NVA	Latitude (Local) N45°24'35.01743"	Longitude (Local) W104°04'39.03250"	Ellipsoid Height (m) 959.200
Location Photo  NORTH			
 <p>2342_2019_MT,3N, 20190802</p>	 <p>2342_2019_MT,3E, 20190802</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW	
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350	Geoid GEOID12B (Conus)
Station ID 2343_2019_MT	Northing (m) 2526668.444	Easting (m) -647020.491	Elevation (m) 1088.991	
Point Type NVA	Latitude (Local) N45°28'26.67266"	Longitude (Local) W104°17'08.31085"	Ellipsoid Height (m) 1073.138	
Location Photo  NORTH				
 <p>2343_2019_MT,3N, 20190802</p>	 <p>2343_2019_MT,3E, 20190802</p>			



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2344_2019_MT	Northing (m) 2529229.421	Easting (m) -650624.578	Elevation (m) 1202.476
Point Type NVA	Latitude (Local) N45°29'39.11050"	Longitude (Local) W104°20'03.94266"	Ellipsoid Height (m) 1186.630
Location Photo  NORTH			
 <p>2344_2019_MT,3N, 20190802</p>	 <p>2344_2019_MT, 3E, 20190802</p>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2345_2019_MT	Northing (m) 2536484.997	Easting (m) -639758.322	Elevation (m) 1060.484
Point Type NVA	Latitude (Local) N45°34'03.84638"	Longitude (Local) W104°12'14.15612"	Ellipsoid Height (m) 1044.496
Location Photo  NORTH			



2345_2019_MT, 3N, 20190802



2345_2019_MT, 3E, 20190802







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2346_2019_MT	Northing (m) 2554128.406	Easting (m) -678766.973	Elevation (m) 1125.246
Point Type NVA	Latitude (Local) N45°41'40.85536"	Longitude (Local) W104°43'19.73368"	Ellipsoid Height (m) 1109.466
Location Photo  NORTH			
 <p>2346_2019_MT, 3W, 20190730</p>		 <p>2346_2019_MT, 3S, 20190730</p>	




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2347_2019_MT	Northing (m) 2574946.561	Easting (m) -680750.117	Elevation (m) 1072.465
Point Type NVA	Latitude (Local) N45°52'46.92284"	Longitude (Local) W104°46'19.59912"	Ellipsoid Height (m) 1056.518
Location Photo  NORTH			
 <p>2347_2019_MT, 3W, 20190729</p>		 <p>2347_2019_MT, 3S, 20190729</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2348_2019_MT	Northing (m) 2562930.453	Easting (m) -688418.615	Elevation (m) 955.151
Point Type NVA	Latitude (Local) N45°45'56.02673"	Longitude (Local) W104°51'21.49386"	Ellipsoid Height (m) 939.269
Location Photo ↑ NORTH			







2348_2019_MT, 3N, 20190731



2348_2019_MT, 3E, 20190731







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2348A_2019_MT	Northing (m) 2563289.489	Easting (m) -683156.653	Elevation (m) 949.833
Point Type NVA	Latitude (Local) N45°46'23.42597"	Longitude (Local) W104°47'20.73188"	Ellipsoid Height (m) 933.946
Location Photo  NORTH			
			
<small>2348A_2019_MT, 3S, 20190731</small>	<small>2348A_2019_MT, 3N, 20190731</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2349_2019_MT	Northing (m) 2600700.233	Easting (m) -676894.817	Elevation (m) 905.360
Point Type NVA	Latitude (Local) N46°06'50.18731"	Longitude (Local) W104°45'11.49303"	Ellipsoid Height (m) 889.389
Location Photo  NORTH			
 <p>2349_2019_MT, 3S, 20190730</p>		 <p>2349_2019_MT, 3E, 20190730</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2350_2019_MT	Northing (m) 2484733.139	Easting (m) -708521.056	Elevation (m) 1216.086
Point Type NVA	Latitude (Local) N45°02'53.76295"	Longitude (Local) W105°01'04.30325"	Ellipsoid Height (m) 1201.614
Location Photo  NORTH			
 <p>2350_2019_MT,3N, 20190803</p>		 <p>2350_2019_MT,3E, 20190803</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2351_2019_WY	Northing (m) 2459325.605	Easting (m) -677706.859	Elevation (m) 1234.301
Point Type NVA	Latitude (Local) N44°50'47.67408"	Longitude (Local) W104°35'55.24895"	Ellipsoid Height (m) 1219.916
Location Photo  NORTH			
 <p style="text-align: center; font-size: small;">2351_2019_WY.3N, 20190723</p>	 <p style="text-align: center; font-size: small;">2351_2019_WY, 3E, 20190723</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2352_2019_WY	Northing (m) 2436057.861	Easting (m) -659277.248	Elevation (m) 1365.483
Point Type NVA	Latitude (Local) N44°39'11.38221"	Longitude (Local) W104°20'24.80704"	Ellipsoid Height (m) 1351.352
Location Photo  NORTH			
 <p>2352_2019_WY, 3N, 20190721</p>		 <p>2352_2019_WY, 3E, 20190721</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2353_2019_WY	Northing (m) 2433573.850	Easting (m) -647774.195	Elevation (m) 1132.306
Point Type NVA	Latitude (Local) N44°38'23.69300"	Longitude (Local) W104°11'33.82198"	Ellipsoid Height (m) 1117.910
Location Photo  NORTH			
			
<small>2353_2019_WY, 3N, 20190722</small>	<small>2353_2019_WY, 3E, 20190722</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2354_2019_WY	Northing (m) 2420581.262	Easting (m) -649991.537	Elevation (m) 1214.341
Point Type NVA	Latitude (Local) N44°31'19.14892"	Longitude (Local) W104°12'23.32180"	Ellipsoid Height (m) 1200.283
Location Photo  NORTH			
 <p>2354_2019_WY, 3N, 20190720</p>		 <p>2354_2019_WY, 3E, 20190720</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2355_2019_WY	Northing (m) 2417330.826	Easting (m) -652255.196	Elevation (m) 1265.589
Point Type NVA	Latitude (Local) N44°29'28.18323"	Longitude (Local) W104°13'52.93166"	Ellipsoid Height (m) 1251.661
Location Photo  NORTH			
			
2355_2019_WY, 3N, 20190720	2355_2019_WY, 3E, 20190720		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2356_2019_WY	Northing (m) 2415225.508	Easting (m) -654122.952	Elevation (m) 1325.418
Point Type NVA	Latitude (Local) N44°28'15.18027"	Longitude (Local) W104°15'09.07614"	Ellipsoid Height (m) 1311.583
Location Photo  NORTH			
 <p>2356_2019_WY, 3N, 20190720</p>		 <p>2356_2019_WY, 3E, 20190720</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2357_2019_WY	Northing (m) 2401189.572	Easting (m) -674495.096	Elevation (m) 1417.069
Point Type NVA	Latitude (Local) N44°19'45.54983"	Longitude (Local) W104°29'32.67286"	Ellipsoid Height (m) 1403.363
Location Photo  NORTH			
 <p style="text-align: center;">2357_2019_WY, 3W, 20190724</p>	 <p style="text-align: center;">2357_2019_WY, 3N, 20190724</p>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2357A_2019_WY	Northing (m) 2392006.788	Easting (m) -667638.537	Elevation (m) 1485.538
Point Type NVA	Latitude (Local) N44°15'09.76085"	Longitude (Local) W104°23'46.83377"	Ellipsoid Height (m) 1471.899
Location Photo <div style="text-align: center;">  NORTH </div>			







2357A_2019_WY, 3W, 20190723



2357A_2019_WY, 3S, 20190723







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2358_2019_WY	Northing (m) 2400383.844	Easting (m) -684327.462	Elevation (m) 1297.251
Point Type NVA	Latitude (Local) N44°18'51.07920"	Longitude (Local) W104°36'52.62028"	Ellipsoid Height (m) 1283.373
Location Photo  NORTH			
			
<small>2358_2019_WY, 3S, 20190724</small>	<small>2358_2019_WY, 3E, 20190724</small>		



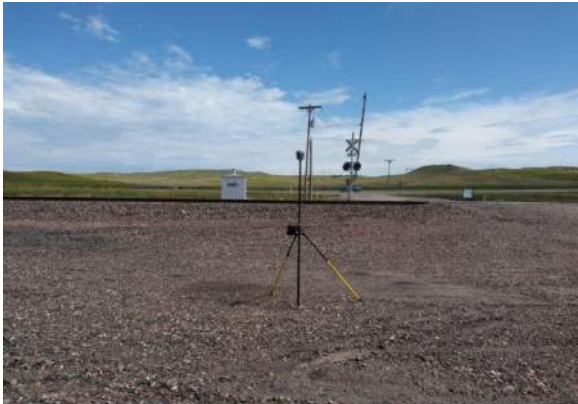



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2359_2019_WY	Northing (m) 2398456.220	Easting (m) -702316.531	Elevation (m) 1287.465
Point Type NVA	Latitude (Local) N44°16'55.79648"	Longitude (Local) W104°50'15.12211"	Ellipsoid Height (m) 1273.264
Location Photo  NORTH			
			
<small>2359_2019_WY, 3W, 20190724</small>	<small>2359_2019_WY, 3S, 20190724</small>		





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2360_2019_WY	Northing (m) 2400413.522	Easting (m) -720391.617	Elevation (m) 1285.717
Point Type NVA	Latitude (Local) N44°17'03.82447"	Longitude (Local) W105°03'57.46525"	Ellipsoid Height (m) 1271.279
Location Photo  NORTH			
 <p>2360_2019_WY,3N, 20190724</p>	 <p>2360_2019_WY,3E, 20190724</p>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2361_2019_WY	Northing (m) 2378362.196	Easting (m) -643854.810	Elevation (m) 1838.136
Point Type NVA	Latitude (Local) N44°08'57.28066"	Longitude (Local) W104°05'02.91216"	Ellipsoid Height (m) 1825.198
Location Photo  NORTH			







2361_2019_WY, 3W, 20190722



2361_2019_WY, 3S, 20190722







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2362_2019_WY	Northing (m) 2398231.000	Easting (m) -646689.641	Elevation (m) 1625.235
Point Type NVA	Latitude (Local) N44°19'28.84849"	Longitude (Local) W104°08'27.17269"	Ellipsoid Height (m) 1611.875
Location Photo  NORTH			
			
<small>2362_2019_WY, 3N, 20190720</small>	<small>2362_2019_WY, 3E, 20190720</small>		






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2363_2019_WY	Northing (m) 2409827.506	Easting (m) -655609.782	Elevation (m) 1359.789
Point Type NVA	Latitude (Local) N44°25'17.25161"	Longitude (Local) W104°15'54.99629"	Ellipsoid Height (m) 1346.088
Location Photo  NORTH			
 <p style="text-align: center; font-size: small;">2363_2019_WY, 3N, 20190720</p>	 <p style="text-align: center; font-size: small;">2363_2019_WY, 3E, 20190720</p>		





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2364_2019_WY	Northing (m) 2410090.808	Easting (m) -673408.060	Elevation (m) 1523.754
Point Type NVA	Latitude (Local) N44°24'35.10149"	Longitude (Local) W104°29'19.60618"	Ellipsoid Height (m) 1510.141
Location Photo ↑ NORTH			
 <p>2364_2019_WY, 3W, 20190720</p>		 <p>2364_2019_WY, 3N, 20190720</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2365_2019_WY	Northing (m) 2416407.614	Easting (m) -683276.314	Elevation (m) 1371.744
Point Type NVA	Latitude (Local) N44°27'29.71306"	Longitude (Local) W104°37'10.92960"	Ellipsoid Height (m) 1357.966
Location Photo  NORTH			



2365_2019_WY, 3S, 20190722



2365_2019_WY, 3E, 20190722



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2366_2019_WY	Northing (m) 2421678.941	Easting (m) -688071.469	Elevation (m) 1286.031
Point Type NVA	Latitude (Local) N44°30'05.25500"	Longitude (Local) W104°41'09.31511"	Ellipsoid Height (m) 1272.125
Location Photo <div style="text-align: center;">  NORTH </div>			



2366_2019_WY, 3W, 20190722



2366_2019_WY, 3S, 20190722



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2367_2019_WY	Northing (m) 2429796.501	Easting (m) -685380.825	Elevation (m) 1216.936
Point Type NVA	Latitude (Local) N44°34'34.43032"	Longitude (Local) W104°39'41.24503"	Ellipsoid Height (m) 1202.981
Location Photo  NORTH			





2367_2019_WY, 3N, 20190722



2367_2019_WY, 3E, 20190722







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2368_2019_WY	Northing (m) 2433194.139	Easting (m) -707067.708	Elevation (m) 1254.499
Point Type NVA	Latitude (Local) N44°35'18.96298"	Longitude (Local) W104°56'16.66284"	Ellipsoid Height (m) 1240.145
Location Photo  NORTH			
 <p>2368_2019_WY, 3W, 20190725</p>		 <p>2368_2019_WY, 3N, 20190725</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2368A_2019_WY	Northing (m) 2429663.569	Easting (m) -707704.969	Elevation (m) 1312.999
Point Type NVA	Latitude (Local) N44°33'23.42421"	Longitude (Local) W104°56'30.41923"	Ellipsoid Height (m) 1298.672
Location Photo  NORTH			
 <p>2368A_2019_WY, 3S, 20190724</p>		 <p>2368A_2019_WY, 3E, 20190724</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2369_2019_WY	Northing (m) 2454068.468	Easting (m) -701822.395	Elevation (m) 1162.536
Point Type NVA	Latitude (Local) N44°46'46.70977"	Longitude (Local) W104°53'48.02739"	Ellipsoid Height (m) 1148.180
Location Photo  NORTH			
 <p>2369_2019_WY, 3W, 20190725</p>		 <p>2369_2019_WY, 3N, 20190725</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2370_2019_WY	Northing (m) 2445445.788	Easting (m) -695318.993	Elevation (m) 1369.538
Point Type NVA	Latitude (Local) N44°42'28.68081"	Longitude (Local) W104°48'16.59390"	Ellipsoid Height (m) 1355.333
Location Photo  NORTH			
 2370_2019_WY, 3N, 20190722	 2370_2019_WY, 3E, 20190722		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2371_2019_WY	Northing (m) 2384770.885	Easting (m) -657644.834	Elevation (m) 1599.818
Point Type NVA	Latitude (Local) N44°11'45.21778"	Longitude (Local) W104°15'48.25889"	Ellipsoid Height (m) 1586.432
Location Photo  NORTH			





2371_2019_WY, 3S, 20190723



2371_2019_WY, 3E, 20190723



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2372_2019_WY	Northing (m) 2381629.682	Easting (m) -665338.051	Elevation (m) 1578.084
Point Type NVA	Latitude (Local) N44°09'42.46836"	Longitude (Local) W104°21'22.01498"	Ellipsoid Height (m) 1564.500
Location Photo  NORTH			




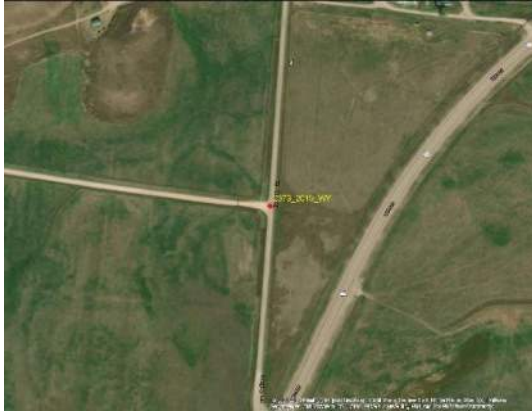


2372_2019_WY, 3N, 20190723



2372_2019_WY, 3E, 20190723







GCP OBSERVATION LOG

Project Number 79935		Project Name WY FEMA East Lidar		Company Woolpert		Field Operator DM/EN/NP/SH/BW	
Coordinate System Albers Equal Area (ESPG 6350)		Hor. Datum NAD 1983 (Conus)		Ver. Datum NAVD88		Zone Albers Equal Area ESPG 6350	
Station ID 2373_2019_WY		Northing (m) 2389328.160		Easting (m) -672668.785		Elevation (m) 1421.798	
Point Type NVA		Latitude (Local) N44°13'29.20132"		Longitude (Local) W104°27'22.61555"		Ellipsoid Height (m) 1408.068	
Location Photo  NORTH							
 <p>2373_2019_WY, 3N, 20190723</p>				 <p>2373_2019_WY, 3E, 20190723</p>			







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2374_2019_WY	Northing (m) 2399309.522	Easting (m) -666554.715	Elevation (m) 1461.581
Point Type NVA	Latitude (Local) N44°19'07.81218"	Longitude (Local) W104°23'27.13572"	Ellipsoid Height (m) 1447.942
Location Photo  NORTH			
 <p>2374_2019_WY, 3W, 20190720</p>		 <p>2374_2019_WY, 3N, 20190720</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2375_2019_WY	Northing (m) 2398684.383	Easting (m) -658282.578	Elevation (m) 1514.419
Point Type NVA	Latitude (Local) N44°19'11.11276"	Longitude (Local) W104°17'11.70168"	Ellipsoid Height (m) 1500.891
Location Photo  NORTH			
 2375_2019_WY, 3N, 20190720	 2375_2019_WY, 3E, 20190720		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2376_2019_WY	Northing (m) 2330838.907	Easting (m) -723594.725	Elevation (m) 1344.101
Point Type NVA	Latitude (Local) N43°39'38.24501"	Longitude (Local) W105°01'23.33000"	Ellipsoid Height (m) 1328.937
Location Photo  NORTH			
			
<small>2376_2019_WY, 3N, 20190719</small>	<small>2376_2019_WY, 3E, 20190719</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2376A_2019_WY	Northing (m) 2349441.227	Easting (m) -703973.777	Elevation (m) 1351.203
Point Type NVA	Latitude (Local) N43°50'35.13738"	Longitude (Local) W104°48'04.71885"	Ellipsoid Height (m) 1336.301
Location Photo  NORTH			
 <p>2376A_2019_WY, 3W, 20190720</p>		 <p>2376A_2019_WY, 3N, 20190720</p>	




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2377_2019_WY	Northing (m) 2329875.222	Easting (m) -717206.851	Elevation (m) 1341.046
Point Type NVA	Latitude (Local) N43°39'26.74473"	Longitude (Local) W104°56'34.20666"	Ellipsoid Height (m) 1325.818
Location Photo  NORTH			
 <p>2377_2019_WY, 3N, 20190719</p>		 <p>2377_2019_WY, 3E, 20190719</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2377A_2019_WY	Northing (m) 2337955.591	Easting (m) -704832.713	Elevation (m) 1366.217
Point Type NVA	Latitude (Local) N43°44'23.52703"	Longitude (Local) W104°47'55.43195"	Ellipsoid Height (m) 1351.090
Location Photo ↑ NORTH			





2377A_2019_WY, 3W, 20190720



2377A_2019_WY, 3N, 20190720



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2378_2019_WY	Northing (m) 2330133.359	Easting (m) -715243.046	Elevation (m) 1327.764
Point Type NVA	Latitude (Local) N43°39'40.98102"	Longitude (Local) W104°55'07.65645"	Ellipsoid Height (m) 1312.525
Location Photo  NORTH			





2378_2019_WY, 3N, 20190719



2378_2019_WY, 3E, 20190719



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2379_2019_WY	Northing (m) 2333349.923	Easting (m) -710688.861	Elevation (m) 1359.174
Point Type NVA	Latitude (Local) N43°41'38.03069"	Longitude (Local) W104°51'57.83610"	Ellipsoid Height (m) 1343.969
Location Photo  NORTH			







2379_2019_WY, 3N, 20190719



2379_2019_WY, 3E, 20190719





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2379A_2019_WY	Northing (m) 2332553.990	Easting (m) -700180.841	Elevation (m) 1314.742
Point Type NVA	Latitude (Local) N43°41'43.81139"	Longitude (Local) W104°44'05.30623"	Ellipsoid Height (m) 1299.501
Location Photo  NORTH			
 <p>2379A_2019_WY, 3N, 20190720</p>		 <p>2379A_2019_WY, 3E, 20190720</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2380_2019_WY	Northing (m) 2344201.789	Easting (m) -699208.874	Elevation (m) 1316.841
Point Type NVA	Latitude (Local) N43°48'00.94145"	Longitude (Local) W104°44'09.85241"	Ellipsoid Height (m) 1301.841
Location Photo  NORTH			







2380_2019_WY, 3N, 20190720



2380_2019_WY, 3E, 20190720







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2381_2019_WY	Northing (m) 2349520.769	Easting (m) -691327.460	Elevation (m) 1356.808
Point Type NVA	Latitude (Local) N43°51'15.10209"	Longitude (Local) W104°38'39.01607"	Ellipsoid Height (m) 1341.989
Location Photo  NORTH			
			
<small>2381_2019_WY, 3W, 20190720</small>	<small>2381_2019_WY, 3S, 20190720</small>		





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2382_2019_WY	Northing (m) 2360643.492	Easting (m) -689762.243	Elevation (m) 1308.070
Point Type NVA	Latitude (Local) N43°57'17.20658"	Longitude (Local) W104°38'14.32726"	Ellipsoid Height (m) 1293.556
Location Photo  NORTH			
 <p>2382_2019_WY, 3S, 20190721</p>		 <p>2382_2019_WY, 3E, 20190721</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2383_2019_WY	Northing (m) 2365688.587	Easting (m) -698422.374	Elevation (m) 1446.682
Point Type NVA	Latitude (Local) N43°59'33.84474"	Longitude (Local) W104°45'03.41940"	Ellipsoid Height (m) 1432.214
Location Photo  NORTH			







2383_2019_WY, 3W, 20190721



2383_2019_WY, 3N, 20190721







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2384_2019_WY	Northing (m) 2371806.667	Easting (m) -702210.617	Elevation (m) 1384.977
Point Type NVA	Latitude (Local) N44°02'39.23461"	Longitude (Local) W104°48'18.81741"	Ellipsoid Height (m) 1370.522
Location Photo  NORTH			
			
<small>2384_2019_WY, 3W, 20190721</small>	<small>2384_2019_WY, 3S, 20190721</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2385_2019_WY	Northing (m) 2382495.881	Easting (m) -707186.565	Elevation (m) 1330.541
Point Type NVA	Latitude (Local) N44°08'07.94628"	Longitude (Local) W104°52'47.09592"	Ellipsoid Height (m) 1316.147
Location Photo  NORTH			
 <p>2385_2019_WY, 3W, 20190721</p>	 <p>2385_2019_WY, 3N, 20190721</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2386_2019_WY	Northing (m) 2393031.555	Easting (m) -718417.634	Elevation (m) 1291.166
Point Type NVA	Latitude (Local) N44°13'12.54068"	Longitude (Local) W105°01'56.88111"	Ellipsoid Height (m) 1276.691
Location Photo  NORTH			
 <p>2386_2019_WY,3N, 20190724</p>		 <p>2386_2019_WY,3E, 20190724</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2387_2019_WY	Northing (m) 2379455.642	Easting (m) -717821.299	Elevation (m) 1342.490
Point Type NVA	Latitude (Local) N44°05'57.94089"	Longitude (Local) W105°00'31.97617"	Ellipsoid Height (m) 1327.926
Location Photo  NORTH			
 <p>2387_2019_WY,3N, 20190724</p>		 <p>2387_2019_WY,3E, 20190724</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2388_2019_WY	Northing (m) 2364767.850	Easting (m) -705131.129	Elevation (m) 1533.653
Point Type NVA	Latitude (Local) N43°58'44.24158"	Longitude (Local) W104°50'00.44686"	Ellipsoid Height (m) 1519.088
Location Photo  NORTH			





2388_2019_WY, 3SW, 20190721



2388_2019_WY, 3NW, 20190721



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2389_2019_WY	Northing (m) 2347434.572	Easting (m) -706854.226	Elevation (m) 1340.365
Point Type NVA	Latitude (Local) N43°49'22.04419"	Longitude (Local) W104°50'05.24670"	Ellipsoid Height (m) 1325.409
Location Photo  NORTH			







2389_2019_WY, 3SE, 20190720



2389_2019_WY, 3NE, 20190720







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2390_2019_WY	Northing (m) 2338260.938	Easting (m) -684877.959	Elevation (m) 1283.733
Point Type NVA	Latitude (Local) N43°45'32.03310"	Longitude (Local) W104°33'04.79214"	Ellipsoid Height (m) 1268.738
Location Photo  NORTH			
 2390_2019_WY, 3S, 20190720	 2390_2019_WY, 3E, 20190720		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2391_2019_WY	Northing (m) 2340563.235	Easting (m) -693344.097	Elevation (m) 1300.078
Point Type NVA	Latitude (Local) N43°46'21.31618"	Longitude (Local) W104°39'32.65309"	Ellipsoid Height (m) 1285.054
Location Photo  NORTH			
 <p>2391_2019_WY, 3W, 20190720</p>		 <p>2391_2019_WY, 3S, 20190720</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW	
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350	Geoid GEOID12B (Conus)
Station ID 2392_2019_WY	Northing (m) 2314046.174	Easting (m) -710508.269	Elevation (m) 1278.018	
Point Type NVA	Latitude (Local) N43°31'18.55923"	Longitude (Local) W104°50'29.34775"	Ellipsoid Height (m) 1262.519	
Location Photo  NORTH				
 <p>2392_2019_WY, 3N, 20190719</p>		 <p>2392_2019_WY, 3E, 20190719</p>		





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2393_2019_WY	Northing (m) 2314524.668	Easting (m) -727634.128	Elevation (m) 1373.164
Point Type NVA	Latitude (Local) N43°30'41.99339"	Longitude (Local) W105°03'14.00830"	Ellipsoid Height (m) 1357.837
Location Photo  NORTH			
 <p>2393_2019_WY, 3W, 20190719</p>	 <p>2393_2019_WY, 3N, 20190719</p>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2394_2019_WY	Northing (m) 2292563.626	Easting (m) -699617.181	Elevation (m) 1334.813
Point Type NVA	Latitude (Local) N43°20'21.05321"	Longitude (Local) W104°40'56.50890"	Ellipsoid Height (m) 1319.304
Location Photo  NORTH			







2394_2019_WY, 3S, 20190719



2394_2019_WY, 3E, 20190719







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2395_2019_WY	Northing (m) 2281845.798	Easting (m) -695787.786	Elevation (m) 1236.827
Point Type NVA	Latitude (Local) N43°14'48.15436"	Longitude (Local) W104°37'23.03692"	Ellipsoid Height (m) 1221.355
Location Photo  NORTH			
 <p>2395_2019_WY, 3S, 20190719</p>		 <p>2395_2019_WY, 3E, 20190719</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2396_2019_WY	Northing (m) 2279930.216	Easting (m) -695998.679	Elevation (m) 1228.613
Point Type NVA	Latitude (Local) N43°13'46.03720"	Longitude (Local) W104°37'24.66050"	Ellipsoid Height (m) 1213.157
Location Photo  NORTH			
 2396_2019_WY, 3N, 20190718	 2396_2019_WY, 3E, 20190718		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2397_2019_WY	Northing (m) 2274644.609	Easting (m) -695028.655	Elevation (m) 1277.910
Point Type NVA	Latitude (Local) N43°10'59.17725"	Longitude (Local) W104°36'20.33868"	Ellipsoid Height (m) 1262.521
Location Photo  NORTH			
 2397_2019_WY, 3N, 20190718	 2397_2019_WY, 3E, 20190718		





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2398_2019_WY	Northing (m) 2272944.589	Easting (m) -697631.355	Elevation (m) 1295.538
Point Type NVA	Latitude (Local) N43°09'57.00226"	Longitude (Local) W104°38'08.84834"	Ellipsoid Height (m) 1280.164
Location Photo  NORTH			
 <p>2398_2019_WY, 3S, 20190718</p>		 <p>2398_2019_WY, 3E, 20190718</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2398B_2019_WY	Northing (m) 2272443.275	Easting (m) -696236.723	Elevation (m) 1280.255
Point Type NVA	Latitude (Local) N43°09'44.98456"	Longitude (Local) W104°37'05.01887"	Ellipsoid Height (m) 1264.891
Location Photo  NORTH			





2398B_2019_WY, 3S, 20190718



2398B_2019_WY, 3E, 20190718



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2399_2019_WY	Northing (m) 2269578.389	Easting (m) -696506.763	Elevation (m) 1282.233
Point Type NVA	Latitude (Local) N43°08'12.22988"	Longitude (Local) W104°37'05.44081"	Ellipsoid Height (m) 1266.915
Location Photo  NORTH			







2399_2019_WY, 3W, 20190718



2399_2019_WY, 3S, 20190718



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2400_2019_WY	Northing (m) 2259854.451	Easting (m) -690349.886	Elevation (m) 1372.981
Point Type NVA	Latitude (Local) N43°03'17.97437"	Longitude (Local) W104°31'53.88494"	Ellipsoid Height (m) 1357.971
Location Photo  NORTH			
 <p>2400_2019_WY, 3W, 20190621</p>	 <p>2400_2019_WY, 3N, 20190621</p>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2401_2019_WY	Northing (m) 2258857.506	Easting (m) -701034.775	Elevation (m) 1357.208
Point Type NVA	Latitude (Local) N43°02'14.86758"	Longitude (Local) W104°39'42.61860"	Ellipsoid Height (m) 1342.129
Location Photo ↑ NORTH			







2401_2019_WY, 3W, 20190718



2401_2019_WY, 3N, 20190718





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2402_2019_WY	Northing (m) 2259821.654	Easting (m) -704659.281	Elevation (m) 1351.211
Point Type NVA	Latitude (Local) N43°02'35.15063"	Longitude (Local) W104°42'26.85980"	Ellipsoid Height (m) 1336.080
Location Photo  NORTH			
 <p>2402_2019_WY, 3W, 20190718</p>		 <p>2402_2019_WY, 3S, 20190718</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2403_2019_WY	Northing (m) 2260458.227	Easting (m) -710160.742	Elevation (m) 1501.161
Point Type NVA	Latitude (Local) N43°02'39.29338"	Longitude (Local) W104°46'32.81708"	Ellipsoid Height (m) 1485.990
Location Photo  NORTH			





2403_2019_WY, 3N, 20190718



2403_2019_WY, 3E, 20190718



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2404_2019_WY	Northing (m) 2243852.061	Easting (m) -704765.578	Elevation (m) 1473.816
Point Type NVA	Latitude (Local) N42°54'02.37633"	Longitude (Local) W104°41'26.77651"	Ellipsoid Height (m) 1459.131
Location Photo  NORTH			





2404_2019_WY, 3S, 20190616



2404_2019_WY, 3E, 20190616



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2405_2019_WY	Northing (m) 2226247.548	Easting (m) -700403.161	Elevation (m) 1621.493
Point Type NVA	Latitude (Local) N42°44'50.33343"	Longitude (Local) W104°37'03.50656"	Ellipsoid Height (m) 1607.192
Location Photo  NORTH			





2405_2019_WY, 3S, 20190616



2405_2019_WY, 3E, 20190616



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2406_2019_WY	Northing (m) 2213744.214	Easting (m) -703603.767	Elevation (m) 1688.978
Point Type NVA	Latitude (Local) N42°37'59.89509"	Longitude (Local) W104°38'34.26503"	Ellipsoid Height (m) 1674.771
Location Photo  NORTH			





2406_2019_WY, 3SW, 20190616



2406_2019_WY, 3NW, 20190616



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2407_2019_WY	Northing (m) 2215057.917	Easting (m) -709183.946	Elevation (m) 1620.040
Point Type NVA	Latitude (Local) N42°38'25.64285"	Longitude (Local) W104°42'44.96401"	Ellipsoid Height (m) 1605.810
Location Photo  NORTH			




2407_2019_WY, 3SW, 20190617



2407_2019_WY, 3SE, 20190617



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2408_2019_WY	Northing (m) 2211802.427	Easting (m) -705124.108	Elevation (m) 1659.702
Point Type NVA	Latitude (Local) N42°36'53.16103"	Longitude (Local) W104°39'33.32273"	Ellipsoid Height (m) 1645.476
Location Photo ↑ NORTH			







2408_2019_WY, 3SW, 20190617



2408_2019_WY, 3NW, 20190617







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2409_2019_WY	Northing (m) 2212058.226	Easting (m) -709637.797	Elevation (m) 1618.906
Point Type NVA	Latitude (Local) N42°36'48.09508"	Longitude (Local) W104°42'52.79244"	Ellipsoid Height (m) 1604.670
Location Photo  NORTH			
 <p>2409_2019_WY, 3S, 20190617</p>		 <p>2409_2019_WY, 3E, 20190617</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2410_2019_WY	Northing (m) 2205748.650	Easting (m) -714452.055	Elevation (m) 1584.842
Point Type NVA	Latitude (Local) N42°33'11.50474"	Longitude (Local) W104°45'58.76833"	Ellipsoid Height (m) 1570.598
Location Photo  NORTH			
 <p style="text-align: center; font-size: small;">2410_2019_WY, 3W, 20190620</p>	 <p style="text-align: center; font-size: small;">2410_2019_WY, 3S, 20190620</p>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2411_2019_WY	Northing (m) 2207838.690	Easting (m) -723565.032	Elevation (m) 1453.027
Point Type NVA	Latitude (Local) N42°33'51.31645"	Longitude (Local) W104°52'47.58435"	Ellipsoid Height (m) 1438.792
Location Photo  NORTH			
			
<small>2411_2019_WY, 3W, 20190620</small>	<small>2411_2019_WY, 3S, 20190620</small>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2412_2019_WY	Northing (m) 2206824.031	Easting (m) -727894.574	Elevation (m) 1416.666
Point Type NVA	Latitude (Local) N42°33'05.73498"	Longitude (Local) W104°55'53.54443"	Ellipsoid Height (m) 1402.454
Location Photo  NORTH			





2412_2019_WY, 3S, 20190620



2412_2019_WY, 3E, 20190620



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2413_2019_WY	Northing (m) 2199049.623	Easting (m) -725858.804	Elevation (m) 1575.451
Point Type NVA	Latitude (Local) N42°29'02.61318"	Longitude (Local) W104°53'52.08346"	Ellipsoid Height (m) 1561.284
Location Photo  NORTH			



2413_2019_WY, 3W, 20190619



2413_2019_WY, 3N, 20190619



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2414_2019_WY	Northing (m) 2206972.026	Easting (m) -736253.791	Elevation (m) 1425.404
Point Type NVA	Latitude (Local) N42°32'45.07202"	Longitude (Local) W105°02'01.21082"	Ellipsoid Height (m) 1411.266
Location Photo ↑ NORTH			







2414_2019_WY, 3W, 20190619



2414_2019_WY, 3S, 20190619







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2415_2019_WY	Northing (m) 2208180.767	Easting (m) -734050.594	Elevation (m) 1442.691
Point Type NVA	Latitude (Local) N42°33'30.54944"	Longitude (Local) W105°00'29.52146"	Ellipsoid Height (m) 1428.516
Location Photo  NORTH			
 <p>2415_2019_WY, 3W, 20190619</p>		 <p>2415_2019_WY, 3S, 20190619</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2416_2019_WY	Northing (m) 2212087.054	Easting (m) -738508.027	Elevation (m) 1427.639
Point Type NVA	Latitude (Local) N42°35'22.15526"	Longitude (Local) W105°04'01.67264"	Ellipsoid Height (m) 1413.439
Location Photo  NORTH			
 <p>2416_2019_WY, 3W, 20190619</p>		 <p>2416_2019_WY, 3N, 20190619</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2417_2019_WY	Northing (m) 2210390.056	Easting (m) -741371.140	Elevation (m) 1451.188
Point Type NVA	Latitude (Local) N42°34'18.95033"	Longitude (Local) W105°06'00.28945"	Ellipsoid Height (m) 1437.049
Location Photo  NORTH			
 <p style="text-align: center;">2417_2019_WY, 3S, 20190619</p>	 <p style="text-align: center;">2417_2019_WY, 3E, 20190619</p>		






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2418_2019_WY	Northing (m) 2203128.132	Easting (m) -748578.168	Elevation (m) 1630.562
Point Type NVA	Latitude (Local) N42°30'03.87813"	Longitude (Local) W105°10'45.89018"	Ellipsoid Height (m) 1616.747
Location Photo  NORTH			
 <p>2418_2019_WY, 3N, 20190619</p>		 <p>2418_2019_WY, 3E, 20190619</p>	



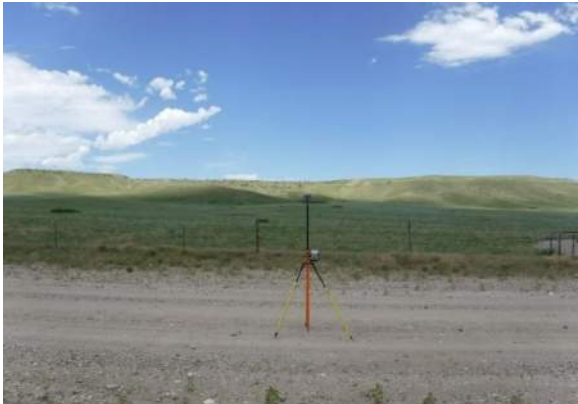



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2419_2019_WY	Northing (m) 2195706.028	Easting (m) -751197.253	Elevation (m) 1536.312
Point Type NVA	Latitude (Local) N42°25'57.84974"	Longitude (Local) W105°12'09.15987"	Ellipsoid Height (m) 1522.706
Location Photo  NORTH			
 <p>2419_2019_WY, 3S, 20190620</p>		 <p>2419_2019_WY, 3E, 20190620</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2420_2019_WY	Northing (m) 2166480.292	Easting (m) -752011.692	Elevation (m) 1470.123
Point Type NVA	Latitude (Local) N42°10'18.81031"	Longitude (Local) W105°10'40.76396"	Ellipsoid Height (m) 1456.970
Location Photo  NORTH			
 <p>2420_2019_WY, 3N, 20190715</p>		 <p>2420_2019_WY, 3E, 20190715</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2421_2019_WY	Northing (m) 2163610.614	Easting (m) -751288.148	Elevation (m) 1466.241
Point Type NVA	Latitude (Local) N42°08'49.11370"	Longitude (Local) W105°09'57.04798"	Ellipsoid Height (m) 1453.050
Location Photo  NORTH			
 <p>2421_2019_WY, 3W, 20190715</p>		 <p>2421_2019_WY, 3N, 20190715</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2422_2019_WY	Northing (m) 2158329.107	Easting (m) -747301.107	Elevation (m) 1419.440
Point Type NVA	Latitude (Local) N42°06'12.22381"	Longitude (Local) W105°06'40.83752"	Ellipsoid Height (m) 1405.967
Location Photo  NORTH			
 <p>2422_2019_WY, 3W, 20190630</p>		 <p>2422_2019_WY, 3S, 20190630</p>	




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2423_2019_WY	Northing (m) 2156199.155	Easting (m) -741695.160	Elevation (m) 1435.566
Point Type NVA	Latitude (Local) N42°05'21.18754"	Longitude (Local) W105°02'27.39976"	Ellipsoid Height (m) 1421.674
Location Photo  NORTH			
 <p>2423_2019_WY, 3N, 20190630</p>		 <p>2423_2019_WY, 3E, 20190630</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2424_2019_WY	Northing (m) 2141923.264	Easting (m) -745393.541	Elevation (m) 1538.847
Point Type NVA	Latitude (Local) N41°57'32.50233"	Longitude (Local) W105°04'09.10805"	Ellipsoid Height (m) 1525.161
Location Photo ↑ NORTH			




2424_2019_WY, 3SE, 20190629



2424_2019_WY, 3NE, 20190629



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2425_2019_WY	Northing (m) 2140463.919	Easting (m) -747413.091	Elevation (m) 1524.292
Point Type NVA	Latitude (Local) N41°56'39.55356"	Longitude (Local) W105°05'30.93183"	Ellipsoid Height (m) 1510.749
Location Photo ↑ NORTH			





2425_2019_WY, 3SW, 20190629



2425_2019_WY, 3SE, 20190629



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2426_2019_WY	Northing (m) 2131717.631	Easting (m) -758804.267	Elevation (m) 1641.600
Point Type NVA	Latitude (Local) N41°51'24.15501"	Longitude (Local) W105°13'09.63239"	Ellipsoid Height (m) 1628.789
Location Photo  NORTH			




2426_2019_WY, 3S, 20190628



2426_2019_WY, 3E, 20190628



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2427_2019_WY	Northing (m) 2118998.839	Easting (m) -740782.642	Elevation (m) 1712.889
Point Type NVA	Latitude (Local) N41°45'32.25856"	Longitude (Local) W104°59'13.68041"	Ellipsoid Height (m) 1698.751
Location Photo ↑ NORTH			




2427_2019_WY, 3SW, 20190628



2427_2019_WY, 3NW, 20190628



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2428_2019_WY	Northing (m) 2114677.440	Easting (m) -734335.496	Elevation (m) 1677.195
Point Type NVA	Latitude (Local) N41°43'33.33832"	Longitude (Local) W104°54'16.12190"	Ellipsoid Height (m) 1662.410
Location Photo ↑ NORTH			





2428_2019_WY, 3SE, 20190613



2428_2019_WY, 3NE, 20190613



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2429_2019_WY	Northing (m) 2115465.662	Easting (m) -724383.752	Elevation (m) 1666.920
Point Type NVA	Latitude (Local) N41°44'28.34410"	Longitude (Local) W104°47'07.35535"	Ellipsoid Height (m) 1651.498
Location Photo  NORTH			







2429_2019_WY, 3N, 20190612



2429_2019_WY, 3E, 20190612







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2430_2019_WY	Northing (m) 2129386.348	Easting (m) -716228.036	Elevation (m) 1590.582
Point Type NVA	Latitude (Local) N41°52'18.46198"	Longitude (Local) W104°42'08.76515"	Ellipsoid Height (m) 1574.875
Location Photo  NORTH			
 2430_2019_WY, 3N, 20190627	 2430_2019_WY, 3E, 20190627		

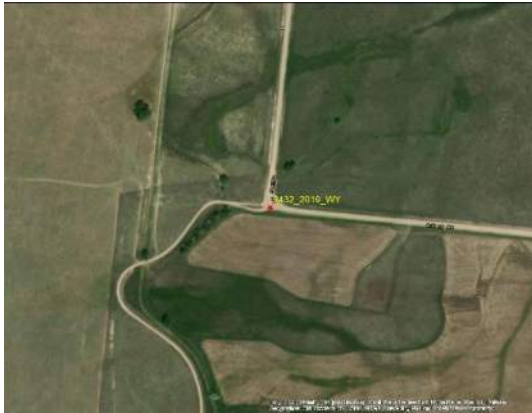


GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2431_2019_WY	Northing (m) 2137591.163	Easting (m) -727289.313	Elevation (m) 1482.578
Point Type NVA	Latitude (Local) N41°56'08.54354"	Longitude (Local) W104°50'43.14224"	Ellipsoid Height (m) 1467.652
Location Photo  NORTH			
 <p>2431_2019_WY, 3SW, 20190630</p>		 <p>2431_2019_WY, 3NW, 20190630</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2432_2019_WY	Northing (m) 2135584.944	Easting (m) -730805.125	Elevation (m) 1555.969
Point Type NVA	Latitude (Local) N41°54'53.72592"	Longitude (Local) W104°53'07.99351"	Ellipsoid Height (m) 1541.253
Location Photo  NORTH			







2432_2019_WY, S, 20190630



2432_2019_WY, 3E, 20190630







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2433_2019_WY	Northing (m) 2147324.555	Easting (m) -716917.703	Elevation (m) 1564.325
Point Type NVA	Latitude (Local) N42°01'51.26425"	Longitude (Local) W104°43'50.64623"	Ellipsoid Height (m) 1548.966
Location Photo  NORTH			
 2433_2019_WY, 3W, 20190630	 2433_2019_WY, 3S, 20190630		


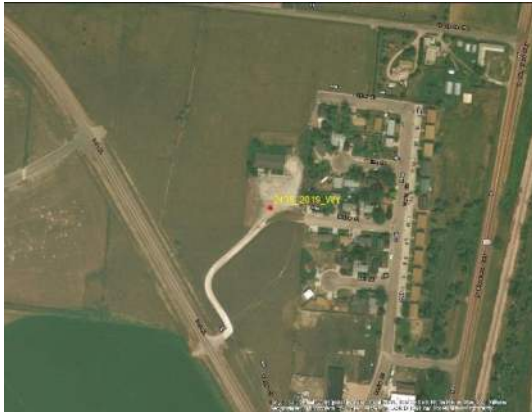




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2434_2019_WY	Northing (m) 2151308.661	Easting (m) -733659.816	Elevation (m) 1458.152
Point Type NVA	Latitude (Local) N42°03'08.91723"	Longitude (Local) W104°56'16.75290"	Ellipsoid Height (m) 1443.687
Location Photo  NORTH			
 <p>2434_2019_WY, 3N, 20190630</p>		 <p>2434_2019_WY, 3E, 20190630</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2435_2019_WY	Northing (m) 2153615.775	Easting (m) -734920.054	Elevation (m) 1437.974
Point Type NVA	Latitude (Local) N42°04'19.02934"	Longitude (Local) W104°57'21.20542"	Ellipsoid Height (m) 1423.606
Location Photo  NORTH			
 <p>2435_2019_WY, 3S, 20190630</p>		 <p>2435_2019_WY, 3E, 20190630</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2436_2019_WY	Northing (m) 2156711.596	Easting (m) -733947.802	Elevation (m) 1402.110
Point Type NVA	Latitude (Local) N42°06'01.17199"	Longitude (Local) W104°56'51.55370"	Ellipsoid Height (m) 1387.713
Location Photo  NORTH			
 <p>2436_2019_WY, 3W, 20190715</p>		 <p>2436_2019_WY, 3S, 20190715</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2437_2019_WY	Northing (m) 2162366.178	Easting (m) -733366.784	Elevation (m) 1376.591
Point Type NVA	Latitude (Local) N42°09'04.12932"	Longitude (Local) W104°56'49.49972"	Ellipsoid Height (m) 1362.214
Location Photo  NORTH			
 <p>2437_2019_WY, 3W, 20190715</p>		 <p>2437_2019_WY, 3SW, 20190715</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2438_2019_WY	Northing (m) 2180509.740	Easting (m) -713174.959	Elevation (m) 1443.534
Point Type NVA	Latitude (Local) N42°19'46.02280"	Longitude (Local) W104°43'20.63786"	Ellipsoid Height (m) 1428.829
Location Photo  NORTH			
 <p>2438_2019_WY, 3W, 20190717</p>		 <p>2438_2019_WY, 3S, 20190717</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2439_2019_WY	Northing (m) 2181974.089	Easting (m) -708535.489	Elevation (m) 1454.785
Point Type NVA	Latitude (Local) N42°20'46.61911"	Longitude (Local) W104°40'03.36353"	Ellipsoid Height (m) 1440.001
Location Photo  NORTH			
 <p>2439_2019_WY, 3W, 20190717</p>		 <p>2439_2019_WY, 3S, 20190717</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2440_2019_WY	Northing (m) 2201918.488	Easting (m) -708931.185	Elevation (m) 1592.112
Point Type NVA	Latitude (Local) N42°31'24.98756"	Longitude (Local) W104°41'40.82928"	Ellipsoid Height (m) 1577.820
Location Photo  NORTH			




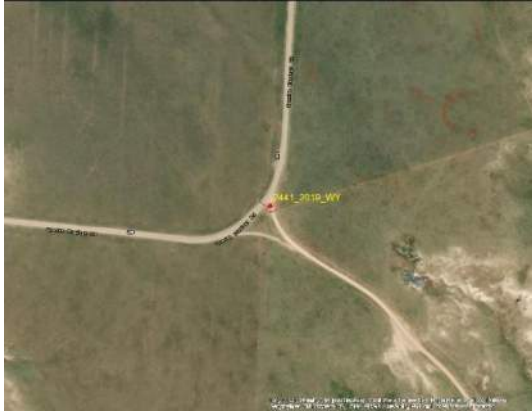
2440_2019_WY, 3W, 20190620



2440_2019_WY, 3S, 20190620



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2441_2019_WY	Northing (m) 2222060.679	Easting (m) -715230.219	Elevation (m) 1573.241
Point Type NVA	Latitude (Local) N42°41'52.33476"	Longitude (Local) W104°47'39.43394"	Ellipsoid Height (m) 1558.930
Location Photo  NORTH			





2441_2019_WY, 3SE, 20190617



2441_2019_WY, 3NE, 20190617



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2442_2019_WY	Northing (m) 2228459.899	Easting (m) -711630.313	Elevation (m) 1614.562
Point Type NVA	Latitude (Local) N42°45'28.28811"	Longitude (Local) W104°45'27.01656"	Ellipsoid Height (m) 1600.195
Location Photo  NORTH			



2442_2019_WY, 3W, 20190617



2442_2019_WY, 3N, 20190617



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2443_2019_WY	Northing (m) 2212996.544	Easting (m) -658211.856	Elevation (m) 1445.979
Point Type NVA	Latitude (Local) N42°39'44.43341"	Longitude (Local) W104°05'14.17834"	Ellipsoid Height (m) 1430.309
Location Photo  NORTH			





2443_2019_WY, 3W, 20190615



2443_2019_WY, 3N, 20190615



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2444_2019_WY	Northing (m) 2216718.950	Easting (m) -666569.639	Elevation (m) 1469.378
Point Type NVA	Latitude (Local) N42°41'20.86310"	Longitude (Local) W104°11'36.20511"	Ellipsoid Height (m) 1454.154
Location Photo  NORTH			




2444_2019_WY, 3SE, 20190615



2444_2019_WY, 3NE, 20190615



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2445_2019_WY	Northing (m) 2215707.113	Easting (m) -680279.448	Elevation (m) 1513.005
Point Type NVA	Latitude (Local) N42°40'09.98280"	Longitude (Local) W104°21'35.85169"	Ellipsoid Height (m) 1498.318
Location Photo  NORTH			



2445_2019_WY, 3W, 20190615



2445_2019_WY, 3S, 20190615







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2446_2019_WY	Northing (m) 2231975.348	Easting (m) -659525.987	Elevation (m) 1533.662
Point Type NVA	Latitude (Local) N42°49'49.98602"	Longitude (Local) W104°07'23.60580"	Ellipsoid Height (m) 1518.578
Location Photo  NORTH			








GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2446A_2019_WY	Northing (m) 2243970.792	Easting (m) -669748.958	Elevation (m) 1358.587
Point Type NVA	Latitude (Local) N42°55'46.68752"	Longitude (Local) W104°15'40.75716"	Ellipsoid Height (m) 1343.809
Location Photo  NORTH			
			
2446A_2019_WY, 3W, 20190621	2446A_2019_WY, 3N, 20190621		







GCP OBSERVATION LOG

Project Number 79935		Project Name WY FEMA East Lidar		Company Woolpert		Field Operator DM/EN/NP/SH/BW	
Coordinate System Albers Equal Area (ESPG 6350)		Hor. Datum NAD 1983 (Conus)		Ver. Datum NAVD88		Zone Albers Equal Area ESPG 6350	
Station ID 2447_2019_WY		Northing (m) 2266363.777		Easting (m) -664798.902		Elevation (m) 1282.601	
Point Type NVA		Latitude (Local) N43°07'59.46862"		Longitude (Local) W104°13'27.88465"		Ellipsoid Height (m) 1267.693	
Location Photo  NORTH							
							
2447_2019_WY, 3S, 20190622				2447_2019_WY, 3E, 20190622			




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2448_2019_WY	Northing (m) 2300958.630	Easting (m) -682661.899	Elevation (m) 1207.314
Point Type NVA	Latitude (Local) N43°25'39.96527"	Longitude (Local) W104°28'56.45453"	Ellipsoid Height (m) 1191.848
Location Photo  NORTH			
 <p>2448_2019_WY, 3W, 20190718</p>		 <p>2448_2019_WY, 3S, 20190718</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2449_2019_WY	Northing (m) 2109031.497	Easting (m) -742403.653	Elevation (m) 1734.139
Point Type NVA	Latitude (Local) N41°40'08.09614"	Longitude (Local) W104°59'42.97382"	Ellipsoid Height (m) 1719.875
Location Photo ↑ NORTH			





2449_2019_WY, 3SW, 20190613



2449_2019_WY, 3NW, 20190613



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2450_2019_WY	Northing (m) 2128115.267	Easting (m) -761455.181	Elevation (m) 1687.737
Point Type NVA	Latitude (Local) N41°49'20.51607"	Longitude (Local) W105°14'49.56880"	Ellipsoid Height (m) 1675.034
Location Photo  NORTH			




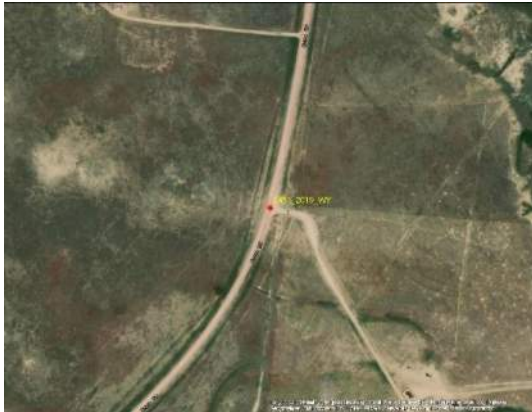


2450_2019_WY, 3SE, 20190628



2450_2019_WY, 3NE, 20190628


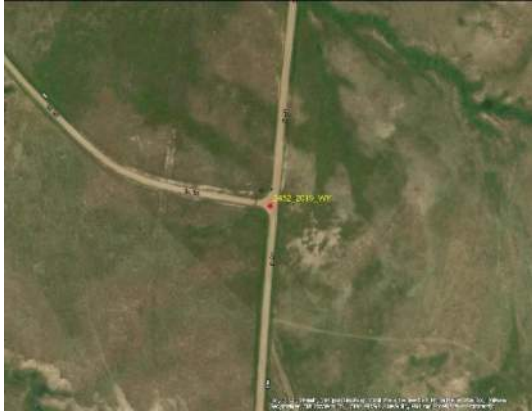




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2451_2019_WY	Northing (m) 2324090.616	Easting (m) -698191.086	Elevation (m) 1279.838
Point Type NVA	Latitude (Local) N43°37'17.79753"	Longitude (Local) W104°42'01.74454"	Ellipsoid Height (m) 1264.430
Location Photo  NORTH			
 <p>2451_2019_WY, 3W, 20190719</p>		 <p>2451_2019_WY, 3S, 20190719</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2452_2019_WY	Northing (m) 2442488.504	Easting (m) -712236.323	Elevation (m) 1250.594
Point Type NVA	Latitude (Local) N44°40'02.29912"	Longitude (Local) W105°00'50.46885"	Ellipsoid Height (m) 1236.061
Location Photo  NORTH			
 <p>2452_2019_WY, 3W, 20190725</p>		 <p>2452_2019_WY, 3S, 20190725</p>	


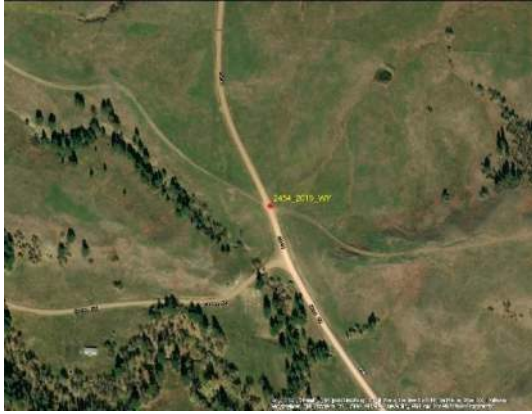




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2453_2019_WY	Northing (m) 2428126.640	Easting (m) -663715.184	Elevation (m) 1528.760
Point Type NVA	Latitude (Local) N44°34'43.40333"	Longitude (Local) W104°23'14.07846"	Ellipsoid Height (m) 1514.917
Location Photo  NORTH			
 <p>2453_2019_WY, 3W, 20190720</p>		 <p>2453_2019_WY, 3S, 20190720</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2454_2019_WY	Northing (m) 2446618.383	Easting (m) -650112.024	Elevation (m) 1097.165
Point Type NVA	Latitude (Local) N44°45'17.31075"	Longitude (Local) W104°14'11.08212"	Ellipsoid Height (m) 1082.533
Location Photo  NORTH			
 <p>2454_2019_WY, 3S, 20190721</p>		 <p>2454_2019_WY, 3E, 20190721</p>	


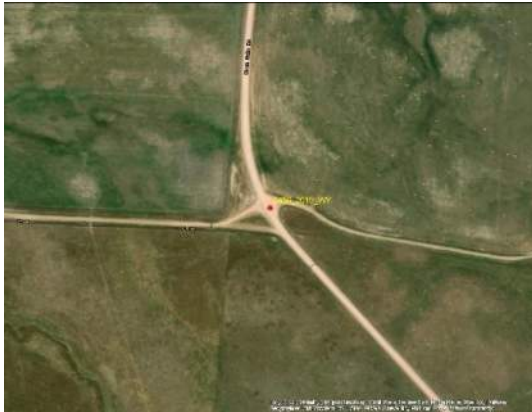




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2455_2019_WY	Northing (m) 2453790.469	Easting (m) -665702.510	Elevation (m) 1132.021
Point Type NVA	Latitude (Local) N44°48'24.15135"	Longitude (Local) W104°26'27.44274"	Ellipsoid Height (m) 1117.584
Location Photo  NORTH			
 <p>2455_2019_WY, 3W, 20190721</p>		 <p>2455_2019_WY, 3S, 20190721</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2456_2019_WY	Northing (m) 2444378.542	Easting (m) -669424.768	Elevation (m) 1259.806
Point Type NVA	Latitude (Local) N44°43'10.33405"	Longitude (Local) W104°28'38.23219"	Ellipsoid Height (m) 1245.607
Location Photo  NORTH			
 <p>2456_2019_WY,3N, 20190722</p>		 <p>2456_2019_WY,3E, 20190722</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2457_2019_WY	Northing (m) 2464053.927	Easting (m) -668515.305	Elevation (m) 1172.608
Point Type NVA	Latitude (Local) N44°53'46.66698"	Longitude (Local) W104°29'16.89305"	Ellipsoid Height (m) 1158.058
Location Photo  NORTH			





2457_2019_WY_3N, 20190723



2457_2019_WY_3E, 20190723



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2457A_2019_WY	Northing (m) 2467179.888	Easting (m) -666248.244	Elevation (m) 1156.457
Point Type NVA	Latitude (Local) N44°55'33.90439"	Longitude (Local) W104°27'46.50707"	Ellipsoid Height (m) 1141.820
Location Photo  NORTH			





2457A_2019_WY,3N, 20190723



2457A_2019_WY,3E, 20190723



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW	
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350	Geoid GEOID12B (Conus)
Station ID 2458_2019_MT	Northing (m) 2567252.911	Easting (m) -668614.359	Elevation (m) 1100.024	
Point Type NVA	Latitude (Local) N45°49'14.45588"	Longitude (Local) W104°36'27.49507"	Ellipsoid Height (m) 1084.060	
Location Photo  NORTH				







2458_2019_MT, 3S, 20190730



2458_2019_MT, 3E, 20190730




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2459_2019_MT	Northing (m) 2525122.114	Easting (m) -629942.152	Elevation (m) 976.700
Point Type NVA	Latitude (Local) N45°28'24.30427"	Longitude (Local) W104°03'58.77318"	Ellipsoid Height (m) 960.636
Location Photo  NORTH			
 <p>2459_2019_MT,3N, 20190802</p>		 <p>2459_2019_MT,3E, 20190802</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2460_2019_MT	Northing (m) 2532733.714	Easting (m) -633459.285	Elevation (m) 1012.454
Point Type NVA	Latitude (Local) N45°32'20.27301"	Longitude (Local) W104°07'10.02477"	Ellipsoid Height (m) 996.429
Location Photo ↑ NORTH			





2460_2019_MT, 3N, 20190802



2460_2019_MT, 3E, 20190802



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2461_2019_WY	Northing (m) 2324637.519	Easting (m) -839795.777	Elevation (m) 1473.985
Point Type NVA	Latitude (Local) N43°29'55.82439"	Longitude (Local) W106°27'10.15367"	Ellipsoid Height (m) 1460.575
Location Photo  NORTH			





2461_2019_WY, 3SE, 20190731



2461_2019_WY, 3NE, 20190731



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2462_2019_WY	Northing (m) 2334201.046	Easting (m) -843885.556	Elevation (m) 1481.147
Point Type NVA	Latitude (Local) N43°34'47.89444"	Longitude (Local) W106°30'59.15260"	Ellipsoid Height (m) 1467.857
Location Photo  NORTH			







2462_2019_WY, 3SW, 20190731



2462_2019_WY, 3SE, 20190731







GCP OBSERVATION LOG



Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2463_2019_WY	Northing (m) 2336446.034	Easting (m) -845014.805	Elevation (m) 1465.389
Point Type NVA	Latitude (Local) N43°35'55.84272"	Longitude (Local) W106°32'00.51826"	Ellipsoid Height (m) 1452.124
Location Photo  NORTH			
 <p>2463_2019_WY, 3NW, 20190731</p>		 <p>2463_2019_WY, 3NE, 20190731</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2464_2019_WY	Northing (m) 2334977.324	Easting (m) -863060.678	Elevation (m) 1552.583
Point Type NVA	Latitude (Local) N43°34'03.70116"	Longitude (Local) W106°45'16.08383"	Ellipsoid Height (m) 1540.259
Location Photo  NORTH			
 <p>2464_2019_WY, 3SE, 20190801</p>		 <p>2464_2019_WY, 3NE, 20190801</p>	

GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2465_2019_WY	Northing (m) 2334137.988	Easting (m) -817816.822	Elevation (m) 1516.150
Point Type NVA	Latitude (Local) N43°36'17.32150"	Longitude (Local) W106°11'38.42292"	Ellipsoid Height (m) 1501.935
Location Photo  NORTH			







2465_2019_WY, 3SE, 20190730



2465_2019_WY, 3NE, 20190730







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2466_2019_WY	Northing (m) 2348682.379	Easting (m) -874796.511	Elevation (m) 1592.957
Point Type NVA	Latitude (Local) N43°40'39.87117"	Longitude (Local) W106°55'08.28792"	Ellipsoid Height (m) 1581.548
Location Photo  NORTH			
			
<small>2466_2019_WY, 3S, 20190926</small>	<small>2466_2019_WY, 3E, 20190926</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2467_2019_WY	Northing (m) 2346690.662	Easting (m) -873945.515	Elevation (m) 1563.733
Point Type NVA	Latitude (Local) N43°39'39.18268"	Longitude (Local) W106°54'20.15897"	Ellipsoid Height (m) 1552.214
Location Photo  NORTH			
 <p>2467_2019_WY, 3S, 20190926</p>		 <p>2467_2019_WY, 3E, 20190926</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2468_2019_WY	Northing (m) 2347166.568	Easting (m) -859336.890	Elevation (m) 1473.153
Point Type NVA	Latitude (Local) N43°40'47.96025"	Longitude (Local) W106°43'31.90480"	Ellipsoid Height (m) 1460.687
Location Photo  NORTH			
 <p>2468_2019_WY, 3SE, 20190804</p>	 <p>2468_2019_WY, 3NE, 20190804</p>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2469_2019_WY	Northing (m) 2361318.630	Easting (m) -848914.380	Elevation (m) 1505.727
Point Type NVA	Latitude (Local) N43°48'59.41026"	Longitude (Local) W106°36'58.24129"	Ellipsoid Height (m) 1492.643
Location Photo  NORTH			







2469_2019_WY, 3N, 20190925



2469_2019_WY, 3E, 20190925





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2470_2019_WY	Northing (m) 2365199.783	Easting (m) -849093.888	Elevation (m) 1529.910
Point Type NVA	Latitude (Local) N43°51'03.23550"	Longitude (Local) W106°37'25.70764"	Ellipsoid Height (m) 1516.888
Location Photo  NORTH			
 <p>2470_2019_WY, 3W, 20190803</p>		 <p>2470_2019_WY, 3N, 20190803</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2471_2019_WY	Northing (m) 2367677.508	Easting (m) -849382.404	Elevation (m) 1551.116
Point Type NVA	Latitude (Local) N43°52'21.66225"	Longitude (Local) W106°37'51.02773"	Ellipsoid Height (m) 1538.143
Location Photo  NORTH			







2471_2019_WY, 3S, 20190925



2471_2019_WY, 3E, 20190925







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2472_2019_WY	Northing (m) 2366967.432	Easting (m) -839803.026	Elevation (m) 1429.405
Point Type NVA	Latitude (Local) N43°52'33.20573"	Longitude (Local) W106°30'39.41237"	Ellipsoid Height (m) 1415.822
Location Photo  NORTH			
			
<small>2472_2019_WY, 3W, 20190926</small>	<small>2472_2019_WY, 3N, 20190926</small>		




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2473_2019_WY	Northing (m) 2367680.099	Easting (m) -833924.304	Elevation (m) 1392.830
Point Type NVA	Latitude (Local) N43°53'16.93848"	Longitude (Local) W106°26'20.17779"	Ellipsoid Height (m) 1378.996
Location Photo  NORTH			
			
<small>2473_2019_WY, 3W, 20190925</small>	<small>2473_2019_WY, 3N, 20190925</small>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2474_2019_WY	Northing (m) 2382624.183	Easting (m) -833667.920	Elevation (m) 1453.787
Point Type NVA	Latitude (Local) N44°01'17.32045"	Longitude (Local) W106°27'22.51620"	Ellipsoid Height (m) 1439.906
Location Photo ↑ NORTH			







2474_2019_WY, 3W, 20190924



2474_2019_WY, 3N, 20190924







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2475_2019_WY	Northing (m) 2371289.914	Easting (m) -812537.934	Elevation (m) 1339.230
Point Type NVA	Latitude (Local) N43°56'27.49813"	Longitude (Local) W106°10'41.21796"	Ellipsoid Height (m) 1324.845
Location Photo  NORTH			
			
<small>2475_2019_WY, 3W, 20190925</small>	<small>2475_2019_WY, 3S, 20190925</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2476_2019_WY	Northing (m) 2359391.131	Easting (m) -819583.401	Elevation (m) 1319.892
Point Type NVA	Latitude (Local) N43°49'41.28726"	Longitude (Local) W106°14'58.83330"	Ellipsoid Height (m) 1305.621
Location Photo  NORTH			
 <p>2476_2019_WY, 3N, 20190925</p>		 <p>2476_2019_WY, 3E, 20190925</p>	


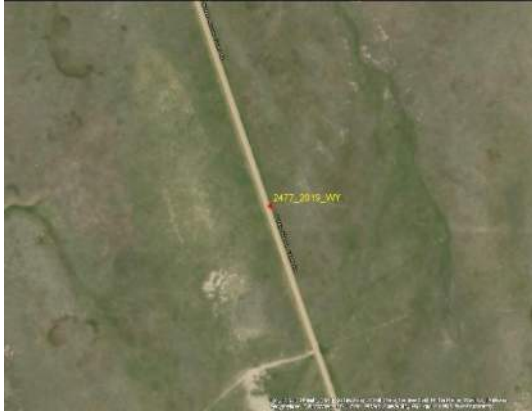




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2476A_2019_WY	Northing (m) 2357074.309	Easting (m) -821324.895	Elevation (m) 1325.400
Point Type NVA	Latitude (Local) N43°48'20.90132"	Longitude (Local) W106°16'05.40321"	Ellipsoid Height (m) 1311.161
Location Photo  NORTH			
 <p>2476A_2019_WY, 3N, 20190925</p>	 <p>2476A_2019_WY, 3E, 20190925</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2477_2019_WY	Northing (m) 2375853.683	Easting (m) -836482.250	Elevation (m) 1438.218
Point Type NVA	Latitude (Local) N43°57'30.09474"	Longitude (Local) W106°28'54.98183"	Ellipsoid Height (m) 1424.487
Location Photo  NORTH			
 <p>2477_2019_WY, 3W, 20190924</p>		 <p>2477_2019_WY, 3S, 20190924</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2478_2019_WY	Northing (m) 2377328.862	Easting (m) -858203.923	Elevation (m) 1568.464
Point Type NVA	Latitude (Local) N43°56'59.23866"	Longitude (Local) W106°45'14.13987"	Ellipsoid Height (m) 1556.432
Location Photo  NORTH			
 <p>2478_2019_WY, 3W, 20190924</p>	 <p>2478_2019_WY, 3N, 20190924</p>		




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2479_2019_WY	Northing (m) 2393450.237	Easting (m) -875535.778	Elevation (m) 2491.788
Point Type NVA	Latitude (Local) N44°04'32.40453"	Longitude (Local) W106°59'32.86498"	Ellipsoid Height (m) 2482.273
Location Photo  NORTH			
 <p>2479_2019_WY, 3N, 20190924</p>		 <p>2479_2019_WY, 3E, 20190924</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2480_2019_WY	Northing (m) 2401221.890	Easting (m) -869820.197	Elevation (m) 2423.263
Point Type NVA	Latitude (Local) N44°09'02.92038"	Longitude (Local) W106°55'57.03931"	Ellipsoid Height (m) 2413.520
Location Photo  NORTH			







2480_2019_WY, 3W, 20190924



2480_2019_WY, 3N, 20190924




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2481_2019_WY	Northing (m) 2402392.769	Easting (m) -868466.796	Elevation (m) 2386.422
Point Type NVA	Latitude (Local) N44°09'45.49414"	Longitude (Local) W106°55'02.39869"	Ellipsoid Height (m) 2376.551
Location Photo  NORTH			
 <p>2481_2019_WY, 3W, 20190924</p>	 <p>2481_2019_WY, 3N, 20190924</p>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2482_2019_WY	Northing (m) 2412237.358	Easting (m) -869245.135	Elevation (m) 2470.396
Point Type NVA	Latitude (Local) N44°14'58.44416"	Longitude (Local) W106°56'28.37899"	Ellipsoid Height (m) 2460.837
Location Photo ↑ NORTH			







2482_2019_WY, 3W, 20190807



2482_2019_WY, 3S, 20190807







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2483_2019_WY	Northing (m) 2419770.597	Easting (m) -868228.005	Elevation (m) 2220.890
Point Type NVA	Latitude (Local) N44°19'03.93455"	Longitude (Local) W106°56'21.81622"	Ellipsoid Height (m) 2211.126
Location Photo  NORTH			
 <p>2483_2019_WY, 3W, 20190808</p>		 <p>2483_2019_WY, 3N, 20190808</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2484_2019_WY	Northing (m) 2420313.887	Easting (m) -860506.189	Elevation (m) 1922.644
Point Type NVA	Latitude (Local) N44°19'49.89458"	Longitude (Local) W106°50'37.40877"	Ellipsoid Height (m) 1911.671
Location Photo  NORTH			
			
<small>2484_2019_WY, 3W, 20190808</small>	<small>2484_2019_WY, 3N, 20190808</small>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2485_2019_WY	Northing (m) 2420260.130	Easting (m) -858304.530	Elevation (m) 1759.589
Point Type NVA	Latitude (Local) N44°19'56.25673"	Longitude (Local) W106°48'58.11415"	Ellipsoid Height (m) 1748.269
Location Photo  NORTH			





2485_2019_WY, 3W, 20190808



2485_2019_WY, 3N, 20190808







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2486_2019_WY	Northing (m) 2420348.627	Easting (m) -855483.511	Elevation (m) 1604.060
Point Type NVA	Latitude (Local) N44°20'09.42987"	Longitude (Local) W106°46'51.68540"	Ellipsoid Height (m) 1592.292
Location Photo  NORTH			
 <p>2486_2019_WY, 3N, 20190807</p>		 <p>2486_2019_WY, 3E, 20190807</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2487_2019_WY	Northing (m) 2422037.209	Easting (m) -848706.677	Elevation (m) 1414.239
Point Type NVA	Latitude (Local) N44°21'28.31931"	Longitude (Local) W106°41'55.42198"	Ellipsoid Height (m) 1401.547
Location Photo  NORTH			
 <p>2487_2019_WY, 3N, 20190806</p>		 <p>2487_2019_WY, 3E, 20190806</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2488_2019_WY	Northing (m) 2421377.406	Easting (m) -846471.673	Elevation (m) 1382.630
Point Type NVA	Latitude (Local) N44°21'15.23917"	Longitude (Local) W106°40'11.49826"	Ellipsoid Height (m) 1369.721
Location Photo  NORTH			







2488_2019_WY, 3S, 20190807



2488_2019_WY, 3E, 20190807




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2489_2019_WY	Northing (m) 2418666.764	Easting (m) -842631.993	Elevation (m) 1444.291
Point Type NVA	Latitude (Local) N44°20'02.08555"	Longitude (Local) W106°37'05.02394"	Ellipsoid Height (m) 1431.095
Location Photo  NORTH			
 <p>2489_2019_WY, 3N, 20190803</p>		 <p>2489_2019_WY, 3E, 20190803</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2490_2019_WY	Northing (m) 2414896.169	Easting (m) -841906.919	Elevation (m) 1411.558
Point Type NVA	Latitude (Local) N44°18'03.65324"	Longitude (Local) W106°36'13.39802"	Ellipsoid Height (m) 1398.329
Location Photo ↑ NORTH			







2490_2019_WY, 3W, 20190803



2490_2019_WY, 3N, 20190803







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2491_2019_WY	Northing (m) 2415845.825	Easting (m) -837001.393	Elevation (m) 1365.066
Point Type NVA	Latitude (Local) N44°18'51.73376"	Longitude (Local) W106°32'37.55722"	Ellipsoid Height (m) 1351.458
Location Photo  NORTH			
 <p>2491_2019_WY, 3W, 20190802</p>	 <p>2491_2019_WY, 3N, 20190802</p>		





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2492_2019_WY	Northing (m) 2422671.190	Easting (m) -830550.273	Elevation (m) 1294.608
Point Type NVA	Latitude (Local) N44°22'53.87589"	Longitude (Local) W106°28'21.34404"	Ellipsoid Height (m) 1280.517
Location Photo  NORTH			
 <p>2492_2019_WY, 3W, 20190803</p>		 <p>2492_2019_WY, 3N, 20190803</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2493_2019_WY	Northing (m) 2425695.094	Easting (m) -820083.620	Elevation (m) 1235.235
Point Type NVA	Latitude (Local) N44°25'07.95295"	Longitude (Local) W106°20'44.88060"	Ellipsoid Height (m) 1220.697
Location Photo  NORTH			





2493_2019_WY, 3SW, 20190731



2493_2019_WY, 3SE, 20190731



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2494_2019_WY	Northing (m) 2430338.108	Easting (m) -814032.250	Elevation (m) 1199.084
Point Type NVA	Latitude (Local) N44°27'58.26502"	Longitude (Local) W106°16'34.90907"	Ellipsoid Height (m) 1184.354
Location Photo  NORTH			







2494_2019_WY, 3SW, 20190731



2494_2019_WY, 3NW, 20190731





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2495_2019_WY	Northing (m) 2432038.133	Easting (m) -802916.112	Elevation (m) 1156.924
Point Type NVA	Latitude (Local) N44°29'31.39170"	Longitude (Local) W106°08'21.78193"	Ellipsoid Height (m) 1142.091
Location Photo  NORTH			
 <p>2495_2019_WY, 3W, 20190731</p>		 <p>2495_2019_WY, 3S, 20190731</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2496_2019_WY	Northing (m) 2432745.265	Easting (m) -804100.224	Elevation (m) 1170.631
Point Type NVA	Latitude (Local) N44°29'50.03442"	Longitude (Local) W106°09'18.62710"	Ellipsoid Height (m) 1155.788
Location Photo  NORTH			







2496_2019_WY, 3S, 20190731



2496_2019_WY, 3E, 20190731







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2497_2019_WY	Northing (m) 2423430.069	Easting (m) -805184.148	Elevation (m) 1165.672
Point Type NVA	Latitude (Local) N44°24'47.02287"	Longitude (Local) W106°09'22.44416"	Ellipsoid Height (m) 1150.962
Location Photo  NORTH			
 <p>2497_2019_WY, 3S, 20190801</p>		 <p>2497_2019_WY, 3E, 20190801</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2498_2019_WY	Northing (m) 2421683.933	Easting (m) -805186.134	Elevation (m) 1214.858
Point Type NVA	Latitude (Local) N44°23'50.92254"	Longitude (Local) W106°09'14.09405"	Ellipsoid Height (m) 1200.168
Location Photo  NORTH			
 <p>2498_2019_WY, 3N, 20190731</p>		 <p>2498_2019_WY, 3E, 20190731</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2499_2019_WY	Northing (m) 2413248.604	Easting (m) -806249.218	Elevation (m) 1222.150
Point Type NVA	Latitude (Local) N44°19'16.30627"	Longitude (Local) W106°09'21.22062"	Ellipsoid Height (m) 1207.533
Location Photo  NORTH			
			
<small>2499_2019_WY, 3N, 20190801</small>	<small>2499_2019_WY, 3E, 20190801</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2500_2019_WY	Northing (m) 2409590.756	Easting (m) -806640.880	Elevation (m) 1227.570
Point Type NVA	Latitude (Local) N44°17'17.47556"	Longitude (Local) W106°09'21.18752"	Ellipsoid Height (m) 1212.971
Location Photo  NORTH			
 <p>2500_2019_WY, 3W, 20190801</p>		 <p>2500_2019_WY, 3S, 20190801</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2501_2019_WY	Northing (m) 2408250.029	Easting (m) -806240.826	Elevation (m) 1204.992
Point Type NVA	Latitude (Local) N44°16'35.79430"	Longitude (Local) W106°08'56.72742"	Ellipsoid Height (m) 1190.394
Location Photo  NORTH			
 <p>2501_2019_WY, 3N, 20190801</p>	 <p>2501_2019_WY, 3E, 20190801</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2501A_2019_WY	Northing (m) 2406915.258	Easting (m) -806693.387	Elevation (m) 1212.132
Point Type NVA	Latitude (Local) N44°15'51.36905"	Longitude (Local) W106°09'10.64285"	Ellipsoid Height (m) 1197.538
Location Photo  NORTH			
 <p>2501A_2019_WY, 3W, 20190801</p>		 <p>2501A_2019_WY, 3S, 20190801</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2502_2019_WY	Northing (m) 2403473.909	Easting (m) -807238.069	Elevation (m) 1217.328
Point Type NVA	Latitude (Local) N44°13'58.97755"	Longitude (Local) W106°09'18.53591"	Ellipsoid Height (m) 1202.743
Location Photo  NORTH			
 <p>2502_2019_WY, 3W, 20190801</p>		 <p>2502_2019_WY, 3S, 20190801</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2503_2019_WY	Northing (m) 2394488.242	Easting (m) -817803.414	Elevation (m) 1434.601
Point Type NVA	Latitude (Local) N44°08'33.86288"	Longitude (Local) W106°16'29.49569"	Ellipsoid Height (m) 1420.204
Location Photo  NORTH			
 2503_2019_WY, 3S, 20190802	 2503_2019_WY, 3E, 20190802		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2504_2019_WY	Northing (m) 2431853.434	Easting (m) -858124.110	Elevation (m) 1525.767
Point Type NVA	Latitude (Local) N44°26'09.03980"	Longitude (Local) W106°49'49.68051"	Ellipsoid Height (m) 1513.944
Location Photo  NORTH			
 2504_2019_WY, 3S, 20190805	 2504_2019_WY, 3E, 20190805		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2505_2019_WY	Northing (m) 2440988.587	Easting (m) -854785.312	Elevation (m) 1425.700
Point Type NVA	Latitude (Local) N44°31'14.57260"	Longitude (Local) W106°48'06.25800"	Ellipsoid Height (m) 1413.059
Location Photo  NORTH			
			
<small>2505_2019_WY, 3W, 20190805</small>	<small>2505_2019_WY, 3S, 20190805</small>		





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2506_2019_WY	Northing (m) 2431128.194	Easting (m) -851933.003	Elevation (m) 1481.600
Point Type NVA	Latitude (Local) N44°26'08.42377"	Longitude (Local) W106°45'07.07261"	Ellipsoid Height (m) 1469.026
Location Photo  NORTH			
 <p>2506_2019_WY, 3S, 20190805</p>	 <p>2506_2019_WY, 3E, 20190805</p>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2507_2019_WY	Northing (m) 2432533.803	Easting (m) -836937.908	Elevation (m) 1298.814
Point Type NVA	Latitude (Local) N44°27'47.78636"	Longitude (Local) W106°33'58.50012"	Ellipsoid Height (m) 1284.958
Location Photo <div style="text-align: center;">  NORTH </div>			



2507_2019_WY, 3W, 20190804



2507_2019_WY, 3N, 20190804



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2508_2019_WY	Northing (m) 2394527.554	Easting (m) -853221.477	Elevation (m) 1494.017
Point Type NVA	Latitude (Local) N44°06'29.07469"	Longitude (Local) W106°42'58.39727"	Ellipsoid Height (m) 1481.754
Location Photo  NORTH			





2508_2019_WY, 3W, 20190924



2508_2019_WY, 3N, 20190924



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2509_2019_WY	Northing (m) 2399307.143	Easting (m) -851562.028	Elevation (m) 1508.495
Point Type NVA	Latitude (Local) N44°09'08.45653"	Longitude (Local) W106°42'08.23303"	Ellipsoid Height (m) 1496.118
Location Photo  NORTH			







2509_2019_WY, 3N, 20190924



2509_2019_WY, 3E, 20190924





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2510_2019_WY	Northing (m) 2400049.279	Easting (m) -847657.432	Elevation (m) 1503.442
Point Type NVA	Latitude (Local) N44°09'46.40882"	Longitude (Local) W106°39'16.80144"	Ellipsoid Height (m) 1490.660
Location Photo  NORTH			
 <p>2510_2019_WY, 3W, 20190924</p>		 <p>2510_2019_WY, 3N, 20190924</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2511_2019_MT	Northing (m) 2584746.121	Easting (m) -657978.468	Elevation (m) 995.587
Point Type NVA	Latitude (Local) N45°59'10.37830"	Longitude (Local) W104°29'29.44984"	Ellipsoid Height (m) 979.577
Location Photo  NORTH			







2511_2019_MT, 3S, 20190801



2511_2019_MT, 3E, 20190801







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2512_2019_MT	Northing (m) 2599702.073	Easting (m) -663409.216	Elevation (m) 953.353
Point Type NVA	Latitude (Local) N46°06'57.77973"	Longitude (Local) W104°34'42.95415"	Ellipsoid Height (m) 937.393
Location Photo  NORTH			
			
<small>2512_2019_MT, 3W, 20190730</small>	<small>2512_2019_MT, 3S, 20190730</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2513_2019_MT	Northing (m) 2581970.638	Easting (m) -677459.664	Elevation (m) 995.076
Point Type NVA	Latitude (Local) N45°56'43.53987"	Longitude (Local) W104°44'17.69390"	Ellipsoid Height (m) 979.113
Location Photo  NORTH			
 <p>2513_2019_MT, 3N, 20190729</p>		 <p>2513_2019_MT, 3E, 20190729</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2514_2019_MT	Northing (m) 2595067.008	Easting (m) -682997.045	Elevation (m) 930.850
Point Type NVA	Latitude (Local) N46°03'29.93072"	Longitude (Local) W104°49'29.66353"	Ellipsoid Height (m) 914.856
Location Photo  NORTH			
 <p>2514_2019_MT, 3W, 20190730</p>		 <p>2514_2019_MT, 3S, 20190730</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2515_2019_MT	Northing (m) 2525174.807	Easting (m) -702050.324	Elevation (m) 1017.772
Point Type NVA	Latitude (Local) N45°24'56.77972"	Longitude (Local) W104°59'04.24592"	Ellipsoid Height (m) 1002.582
Location Photo  NORTH			
 <p>2515_2019_MT, 3S, 20190804</p>		 <p>2515_2019_MT, 3E, 20190804</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2516_2019_WY	Northing (m) 2342543.350	Easting (m) -952174.781	Elevation (m) 1691.682
Point Type NVA	Latitude (Local) N43°32'24.73627"	Longitude (Local) W107°51'56.34611"	Ellipsoid Height (m) 1679.100
Location Photo  NORTH			
 <p>2516_2019_WY, 3N, 20190814</p>		 <p>2516_2019_WY, 3E, 20190814</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2516A_2019_WY	Northing (m) 2342527.485	Easting (m) -952124.776	Elevation (m) 1690.122
Point Type NVA	Latitude (Local) N43°32'24.42937"	Longitude (Local) W107°51'54.03764"	Ellipsoid Height (m) 1677.540
Location Photo  NORTH			
 <p>2516A_2019_WY, 3W, 20190814</p>		 <p>2516A_2019_WY, 3N, 20190814</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2517_2019_WY	Northing (m) 2367275.795	Easting (m) -974049.592	Elevation (m) 1313.575
Point Type NVA	Latitude (Local) N43°44'07.22252"	Longitude (Local) W108°10'28.51014"	Ellipsoid Height (m) 1300.395
Location Photo  NORTH			
 <p>2517_2019_MT,3N, 20190806</p>	 <p>2517_2019_MT,3E, 20190806</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2518_2019_WY	Northing (m) 2370264.868	Easting (m) -973775.229	Elevation (m) 1318.709
Point Type NVA	Latitude (Local) N43°45'44.01131"	Longitude (Local) W108°10'33.43760"	Ellipsoid Height (m) 1305.469
Location Photo  NORTH			
 <p>2518_2019_MT,3N, 20190806</p>	 <p>2518_2019_MT,3E, 20190806</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2519_2019_WY	Northing (m) 2374841.082	Easting (m) -973827.689	Elevation (m) 1307.935
Point Type NVA	Latitude (Local) N43°48'10.25328"	Longitude (Local) W108°11'02.03872"	Ellipsoid Height (m) 1294.622
Location Photo  NORTH			
 <p>2519_2019_MT,3N, 20190806</p>		 <p>2519_2019_MT,3E, 20190806</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2520_2019_WY	Northing (m) 2378906.744	Easting (m) -983147.855	Elevation (m) 1369.237
Point Type NVA	Latitude (Local) N43°49'41.72179"	Longitude (Local) W108°18'20.75446"	Ellipsoid Height (m) 1356.038
Location Photo  NORTH			
 <p>2520_2019_MT,3N, 20190806</p>	 <p>2520_2019_MT,3E, 20190806</p>		





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2521_2019_WY	Northing (m) 2382024.882	Easting (m) -988341.083	Elevation (m) 1449.719
Point Type NVA	Latitude (Local) N43°50'59.80206"	Longitude (Local) W108°22'30.32641"	Ellipsoid Height (m) 1436.654
Location Photo  NORTH			
 <p>2521_2019_MT,3N, 20190806</p>		 <p>2521_2019_MT,3E, 20190806</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2522_2019_WY	Northing (m) 2366227.235	Easting (m) -969422.717	Elevation (m) 1333.631
Point Type NVA	Latitude (Local) N43°43'52.69292"	Longitude (Local) W108°06'56.59003"	Ellipsoid Height (m) 1320.471
Location Photo  NORTH			







2522_2019_MT,3N, 20190806



2522_2019_MT,3E, 20190806







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2523_2019_WY	Northing (m) 2357601.043	Easting (m) -963894.005	Elevation (m) 1612.664
Point Type NVA	Latitude (Local) N43°39'39.22593"	Longitude (Local) W108°02'01.61819"	Ellipsoid Height (m) 1599.791
Location Photo  NORTH			
 <p>2523_2019_WY, 3N, 20190814</p>		 <p>2523_2019_WY, 3E, 20190814</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2524_2019_WY	Northing (m) 2329553.786	Easting (m) -971829.688	Elevation (m) 1643.446
Point Type NVA	Latitude (Local) N43°24'09.45731"	Longitude (Local) W108°05'14.98126"	Ellipsoid Height (m) 1629.972
Location Photo  NORTH			
 <p>2524_2019_WY, 3W, 20190818</p>	 <p>2524_2019_WY, 3S, 20190818</p>		







GCP OBSERVATION LOG

Project Number 79935		Project Name WY FEMA East Lidar		Company Woolpert		Field Operator DM/EN/NP/SH/BW	
Coordinate System Albers Equal Area (ESPG 6350)		Hor. Datum NAD 1983 (Conus)		Ver. Datum NAVD88		Zone Albers Equal Area ESPG 6350	
Station ID 2525_2019_WY		Northing (m) 2315048.389		Easting (m) -972986.938		Elevation (m) 1464.343	
Point Type NVA		Latitude (Local) N43°16'20.79446"		Longitude (Local) W108°04'44.13342"		Ellipsoid Height (m) 1450.006	
Location Photo  NORTH							
 <p>2525_2019_WY, 3W, 20190818</p>				 <p>2525_2019_WY, 3S, 20190818</p>			







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2526_2019_WY	Northing (m) 2311038.004	Easting (m) -975689.844	Elevation (m) 1475.673
Point Type NVA	Latitude (Local) N43°14'01.49047"	Longitude (Local) W108°06'20.92067"	Ellipsoid Height (m) 1461.199
Location Photo  NORTH			
 <p>2526_2019_WY, 3N, 20190818</p>		 <p>2526_2019_WY, 3E, 20190818</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2527_2019_WY	Northing (m) 2281572.972	Easting (m) -974613.430	Elevation (m) 1664.378
Point Type NVA	Latitude (Local) N42°58'23.84645"	Longitude (Local) W108°02'47.42025"	Ellipsoid Height (m) 1650.235
Location Photo  NORTH			
 <p>2527_2019_WY, 3N, 20190817</p>		 <p>2527_2019_WY, 3E, 20190817</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2528_2019_WY	Northing (m) 2271154.071	Easting (m) -982455.809	Elevation (m) 1724.301
Point Type NVA	Latitude (Local) N42°52'18.78531"	Longitude (Local) W108°07'33.78233"	Ellipsoid Height (m) 1710.556
Location Photo  NORTH			
 <p>2528_2019_WY, 3W, 20190817</p>		 <p>2528_2019_WY, 3N, 20190817</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2529_2019_WY	Northing (m) 2246120.429	Easting (m) -991336.198	Elevation (m) 2055.718
Point Type NVA	Latitude (Local) N42°38'22.42975"	Longitude (Local) W108°11'42.10132"	Ellipsoid Height (m) 2042.852
Location Photo  NORTH			
 <p>2529_2019_WY, 3W, 20190808</p>		 <p>2529_2019_WY, 3N, 20190808</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2530_2019_WY	Northing (m) 2239848.441	Easting (m) -997799.992	Elevation (m) 2037.449
Point Type NVA	Latitude (Local) N42°34'35.37854"	Longitude (Local) W108°15'49.55014"	Ellipsoid Height (m) 2024.780
Location Photo  NORTH			
 <p>2530_2019_WY, 3W, 20190808</p>		 <p>2530_2019_WY, 3N, 20190808</p>	



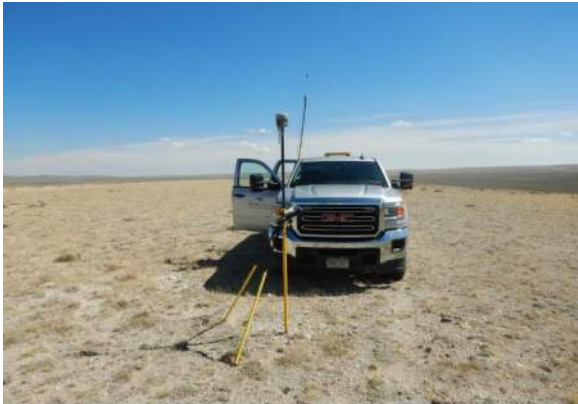



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2531_2019_WY	Northing (m) 2231454.961	Easting (m) -1034323.683	Elevation (m) 2337.374
Point Type NVA	Latitude (Local) N42°27'33.40318"	Longitude (Local) W108°41'37.45659"	Ellipsoid Height (m) 2325.711
Location Photo  NORTH			
 <p>2531_2019_WY, 3W, 20190920</p>		 <p>2531_2019_WY, 3N, 20190920</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2532_2019_WY	Northing (m) 2221553.954	Easting (m) -1036719.893	Elevation (m) 2272.452
Point Type NVA	Latitude (Local) N42°22'07.16264"	Longitude (Local) W108°42'23.92579"	Ellipsoid Height (m) 2260.149
Location Photo  NORTH			
 <p>2532_2019_WY, 3N, 20190919</p>		 <p>2532_2019_WY, 3E, 20190919</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2533_2019_WY	Northing (m) 2220824.952	Easting (m) -1050398.202	Elevation (m) 2259.090
Point Type NVA	Latitude (Local) N42°20'44.81702"	Longitude (Local) W108°52'15.82624"	Ellipsoid Height (m) 2246.704
Location Photo  NORTH			
 <p style="text-align: center;">2533_2019_WY, 3W, 20190919</p>	 <p style="text-align: center;">2533_2019_WY, 3N, 20190919</p>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2534_190919_WY	Northing (m) 2230948.418	Easting (m) -1048295.038	Elevation (m) 2402.650
Point Type NVA	Latitude (Local) N42°26'16.93072"	Longitude (Local) W108°51'44.25249"	Ellipsoid Height (m) 2391.118
Location Photo  NORTH			
 <p>2534_2019_WY, 3W, 20190919</p>		 <p>2534_2019_WY, 3N, 20190919</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
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Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350	Geoid GEOID12B (Conus)
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Station ID 2535_2019_WY	Northing (m) 2218636.132	Easting (m) -1061424.147	Elevation (m) 2163.197
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Point Type NVA	Latitude (Local) N42°18'46.82716"	Longitude (Local) W109°00'03.06621"	Ellipsoid Height (m) 2150.339
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<p>Location Photo</p>  <p>NORTH</p>		
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2535_2019_WY, 3N, 20190919



2535_2019_WY, 3E, 20190919







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2536_2019_WY	Northing (m) 2215142.390	Easting (m) -1075195.427	Elevation (m) 2110.735
Point Type NVA	Latitude (Local) N42°15'54.58030"	Longitude (Local) W109°09'41.41575"	Ellipsoid Height (m) 2097.223
Location Photo  NORTH			
 <p>2536_2019_WY, 3W, 20190917</p>		 <p>2536_2019_WY, 3S, 20190917</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2536A_2019_WY	Northing (m) 2214454.126	Easting (m) -1070290.908	Elevation (m) 2125.143
Point Type NVA	Latitude (Local) N42°15'54.38159"	Longitude (Local) W109°06'03.86424"	Ellipsoid Height (m) 2111.759
Location Photo  NORTH			
 <p>2536A_2019_WY, 3W, 20190918</p>		 <p>2536A_2019_WY, 3S, 20190918</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2537_2019_WY	Northing (m) 2218747.568	Easting (m) -1095272.157	Elevation (m) 2064.683
Point Type NVA	Latitude (Local) N42°16'19.44497"	Longitude (Local) W109°24'36.83403"	Ellipsoid Height (m) 2050.794
Location Photo  NORTH			
 <p>2537_2019_WY, 3W, 20190916</p>		 <p>2537_2019_WY, 3S, 20190916</p>	




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2538_2019_WY	Northing (m) 2223622.570	Easting (m) -1101929.405	Elevation (m) 2076.151
Point Type NVA	Latitude (Local) N42°18'24.57740"	Longitude (Local) W109°29'56.66946"	Ellipsoid Height (m) 2062.304
Location Photo  NORTH			
 <p>2538_2019_WY, 3N, 20190916</p>		 <p>2538_2019_WY, 3E, 20190916</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2539_2019_WY	Northing (m) 2236233.316	Easting (m) -1121091.851	Elevation (m) 2169.255
Point Type NVA	Latitude (Local) N42°23'38.27363"	Longitude (Local) W109°45'10.05264"	Ellipsoid Height (m) 2155.598
Location Photo ↑ NORTH			





2539_2019_WY, 3W, 20190916



2539_2019_WY, 3N, 20190916



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2540_2019_WY	Northing (m) 2289678.425	Easting (m) -1157675.392	Elevation (m) 2287.454
Point Type NVA	Latitude (Local) N42°49'07.67880"	Longitude (Local) W110°17'34.28075"	Ellipsoid Height (m) 2276.300
Location Photo  NORTH			







2540_2019_WY, 3W, 20190904



2540_2019_WY, 3N, 20190904





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2540A_2019_WY	Northing (m) 2293349.036	Easting (m) -1157211.811	Elevation (m) 2309.494
Point Type NVA	Latitude (Local) N42°51'06.84166"	Longitude (Local) W110°17'38.33987"	Ellipsoid Height (m) 2298.382
Location Photo  NORTH			
 <p>2540A_2019_WY, 3W, 20190901</p>		 <p>2540A_2019_WY, 3S, 20190901</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2541_2019_WY	Northing (m) 2292389.623	Easting (m) -1165379.344	Elevation (m) 2371.478
Point Type NVA	Latitude (Local) N42°49'56.71805"	Longitude (Local) W110°23'29.60922"	Ellipsoid Height (m) 2360.611
Location Photo  NORTH			







2541_2019_WY, 3N, 20190904



2541_2019_WY, 3E, 20190904







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2542_2019_WY	Northing (m) 2292757.138	Easting (m) -1176310.172	Elevation (m) 2496.007
Point Type NVA	Latitude (Local) N42°49'15.04971"	Longitude (Local) W110°31'30.54364"	Ellipsoid Height (m) 2485.468
Location Photo  NORTH			
 <p>2542_2019_WY, 3S, 20190904</p>		 <p>2542_2019_WY, 3E, 20190904</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2543_2019_WY	Northing (m) 2278480.145	Easting (m) -1162372.774	Elevation (m) 2439.157
Point Type NVA	Latitude (Local) N42°42'48.30907"	Longitude (Local) W110°19'45.43368"	Ellipsoid Height (m) 2427.890
Location Photo  NORTH			
 <p>2543_2019_WY, 3S, 20190904</p>		 <p>2543_2019_WY, 3E, 20190904</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2544_2019_WY	Northing (m) 2259400.232	Easting (m) -1163418.310	Elevation (m) 2261.940
Point Type NVA	Latitude (Local) N42°32'35.68169"	Longitude (Local) W110°18'24.62176"	Ellipsoid Height (m) 2249.912
Location Photo  NORTH			
 <p>2544_2019_WY, 3W, 20190903</p>		 <p>2544_2019_WY, 3S, 20190903</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2545_2019_WY	Northing (m) 2267134.324	Easting (m) -1173320.684	Elevation (m) 2424.150
Point Type NVA	Latitude (Local) N42°35'53.86834"	Longitude (Local) W110°26'27.94751"	Ellipsoid Height (m) 2412.807
Location Photo  NORTH			
 <p>2545_2019_WY, 3N, 20190913</p>		 <p>2545_2019_WY, 3E, 20190913</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2546_2019_WY	Northing (m) 2270439.814	Easting (m) -1180992.420	Elevation (m) 2580.358
Point Type NVA	Latitude (Local) N42°37'01.56465"	Longitude (Local) W110°32'24.84305"	Ellipsoid Height (m) 2569.372
Location Photo  NORTH			






2546_2019_WY, 3W, 20190913



2546_2019_WY, 3N, 20190913







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2547_2019_WY	Northing (m) 2243217.507	Easting (m) -1164441.201	Elevation (m) 2241.166
Point Type NVA	Latitude (Local) N42°23'55.52377"	Longitude (Local) W110°17'22.31368"	Ellipsoid Height (m) 2228.795
Location Photo  NORTH			
 <p>2547_2019_WY, 3W, 20190904</p>		 <p>2547_2019_WY, 3S, 20190904</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW	
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350	Geoid GEOID12B (Conus)
Station ID 2548_2019_WY	Northing (m) 2235509.656	Easting (m) -1164585.257	Elevation (m) 2187.525	
Point Type NVA	Latitude (Local) N42°19'49.45791"	Longitude (Local) W110°16'37.80965"	Ellipsoid Height (m) 2174.929	
Location Photo  NORTH				
 <p>2548_2019_WY, 3N, 20190904</p>		 <p>2548_2019_WY, 3E, 20190904</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2549A_2019_WY	Northing (m) 2252659.338	Easting (m) -1187359.966	Elevation (m) 2436.838
Point Type NVA	Latitude (Local) N42°27'04.36774"	Longitude (Local) W110°35'02.66911"	Ellipsoid Height (m) 2425.453
Location Photo  NORTH			
 <p>2549A_2019_WY, 3N, 20190912</p>		 <p>2549A_2019_WY, 3E, 20190912</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2550_2019_WY	Northing (m) 2224657.145	Easting (m) -1120719.953	Elevation (m) 2133.455
Point Type NVA	Latitude (Local) N42°17'31.18100"	Longitude (Local) W109°43'40.52030"	Ellipsoid Height (m) 2119.511
Location Photo  NORTH			
 <p>2550_2019_WY, 3N, 20190916</p>		 <p>2550_2019_WY, 3E, 20190916</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2551_2019_WY	Northing (m) 2245621.679	Easting (m) -1044646.593	Elevation (m) 2755.974
Point Type NVA	Latitude (Local) N42°34'20.97985"	Longitude (Local) W108°50'32.10562"	Ellipsoid Height (m) 2745.425
Location Photo  NORTH			







2551_2019_WY, 3N, 20190920



2551_2019_WY, 3E, 20190920







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2552_2019_WY	Northing (m) 2239314.576	Easting (m) -1068805.822	Elevation (m) 2428.140
Point Type NVA	Latitude (Local) N42°29'13.79341"	Longitude (Local) W109°07'29.59155"	Ellipsoid Height (m) 2416.770
Location Photo  NORTH			
 <p>2552_2019_WY, 3N, 20190917</p>		 <p>2552_2019_WY, 3E, 20190917</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2553_2019_WY	Northing (m) 2256238.971	Easting (m) -1014961.711	Elevation (m) 1747.217
Point Type NVA	Latitude (Local) N42°42'07.01480"	Longitude (Local) W108°29'55.10103"	Ellipsoid Height (m) 1734.607
Location Photo  NORTH			
 <p>2553_2019_WY, 3W, 20190809</p>		 <p>2553_2019_WY, 3S, 20190809</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2554_2019_WY	Northing (m) 2256007.274	Easting (m) -947078.576	Elevation (m) 1956.424
Point Type NVA	Latitude (Local) N42°46'36.94243"	Longitude (Local) W107°40'15.69424"	Ellipsoid Height (m) 1943.879
Location Photo ↑ NORTH			
			
2554_2019_WY, 3N, 20190817	2554_2019_WY, 3E, 20190817		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2555_2019_WY	Northing (m) 2213760.364	Easting (m) -966731.219	Elevation (m) 2024.308
Point Type NVA	Latitude (Local) N42°22'48.61298"	Longitude (Local) W107°50'46.17930"	Ellipsoid Height (m) 2010.946
Location Photo  NORTH			
 <p>2555_2019_WY, 3N, 20190812</p>		 <p>2555_2019_WY, 3E, 20190812</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2556_2019_WY	Northing (m) 2235026.124	Easting (m) -991378.500	Elevation (m) 2002.391
Point Type NVA	Latitude (Local) N42°32'27.87798"	Longitude (Local) W108°10'41.33776"	Ellipsoid Height (m) 1989.640
Location Photo  NORTH			
 <p>2556_2019_WY, 3S, 20190807</p>		 <p>2556_2019_WY, 3E, 20190807</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2557_2019_WY	Northing (m) 2222340.608	Easting (m) -1029515.341	Elevation (m) 2223.037
Point Type NVA	Latitude (Local) N42°23'03.08582"	Longitude (Local) W108°37'14.35368"	Ellipsoid Height (m) 2210.690
Location Photo  NORTH			
 <p>2557_2019_WY, 3W, 20190920</p>		 <p>2557_2019_WY, 3S, 20190920</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2558_2019_WY	Northing (m) 2246052.323	Easting (m) -1075174.079	Elevation (m) 2448.192
Point Type NVA	Latitude (Local) N42°32'20.36332"	Longitude (Local) W109°12'48.66657"	Ellipsoid Height (m) 2437.082
Location Photo  NORTH			
 <p>2558_2019_WY, 3N, 20190917</p>		 <p>2558_2019_WY, 3E, 20190917</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2559_2019_WY	Northing (m) 2328215.270	Easting (m) -1157617.110	Elevation (m) 2074.339
Point Type NVA	Latitude (Local) N43°09'35.74712"	Longitude (Local) W110°21'48.65255"	Ellipsoid Height (m) 2063.673
Location Photo  NORTH			
			
<small>2559_2019_WY, 3W, 20190830</small>	<small>2559_2019_WY, 3N, 20190830</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2560_2019_WY	Northing (m) 2337822.733	Easting (m) -1157394.483	Elevation (m) 2050.359
Point Type NVA	Latitude (Local) N43°14'43.00434"	Longitude (Local) W110°22'43.29658"	Ellipsoid Height (m) 2040.023
Location Photo  NORTH			
 <p>2560_2019_WY, 3W, 20190830</p>		 <p>2560_2019_WY, 3N, 20190830</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2561_2019_WY	Northing (m) 2323445.268	Easting (m) -1165796.249	Elevation (m) 2192.086
Point Type NVA	Latitude (Local) N43°06'23.94034"	Longitude (Local) W110°27'16.24871"	Ellipsoid Height (m) 2181.460
Location Photo  NORTH			
 <p>2561_2019_WY, 3N, 20190830</p>	 <p>2561_2019_WY, 3E, 20190830</p>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2562_2019_WY	Northing (m) 2304011.719	Easting (m) -1157419.834	Elevation (m) 2321.833
Point Type NVA	Latitude (Local) N42°56'45.51535"	Longitude (Local) W110°18'58.34000"	Ellipsoid Height (m) 2310.864
Location Photo  NORTH			





2562_2019_WY, 3W, 20190831



2562_2019_WY, 3N, 20190831



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2562A_2019_WY	Northing (m) 2303518.423	Easting (m) -1154791.722	Elevation (m) 2297.122
Point Type NVA	Latitude (Local) N42°56'42.49416"	Longitude (Local) W110°16'59.79359"	Ellipsoid Height (m) 2286.071
Location Photo  NORTH			







2562A_2019_WY, 3W, 20190831



2562A_2019_WY, 3S, 20190831







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2563_2019_WY	Northing (m) 2292268.057	Easting (m) -1139087.281	Elevation (m) 2192.163
Point Type NVA	Latitude (Local) N42°51'59.22700"	Longitude (Local) W110°04'17.14259"	Ellipsoid Height (m) 2180.615
Location Photo  NORTH			
 <p>2563_2019_WY, 3W, 20190901</p>		 <p>2563_2019_WY, 3N, 20190901</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2564_2019_WY	Northing (m) 2316127.957	Easting (m) -1131939.165	Elevation (m) 2338.931
Point Type NVA	Latitude (Local) N43°05'13.65493"	Longitude (Local) W110°01'39.34512"	Ellipsoid Height (m) 2328.403
Location Photo  NORTH			
 <p style="text-align: center;">2564_2019_WY, 3S, 20190831</p>	 <p style="text-align: center;">2564_2019_WY, 3E, 20190831</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2564A_2019_WY	Northing (m) 2317333.897	Easting (m) -1134818.112	Elevation (m) 2322.529
Point Type NVA	Latitude (Local) N43°05'38.43450"	Longitude (Local) W110°03'53.82376"	Ellipsoid Height (m) 2311.923
Location Photo  NORTH			
			
<small>2564A_2019_WY, 3W, 20190831</small>	<small>2564A_2019_WY, 3S, 20190831</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2565_2019_WY	Northing (m) 2375887.686	Easting (m) -1005129.025	Elevation (m) 1713.758
Point Type NVA	Latitude (Local) N43°46'32.54715"	Longitude (Local) W108°34'21.93760"	Ellipsoid Height (m) 1701.606
Location Photo  NORTH			
			
<small>2565_2019_WY, 3N, 20190806</small>	<small>2565_2019_WY, 3E, 20190806</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2566_2019_WY	Northing (m) 2247622.141	Easting (m) -954137.540	Elevation (m) 2020.055
Point Type NVA	Latitude (Local) N42°41'40.93297"	Longitude (Local) W107°44'39.94576"	Ellipsoid Height (m) 2007.731
Location Photo  NORTH			
 <p>2566_2019_WY, 3N, 20190817</p>		 <p>2566_2019_WY, 3E, 20190817</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2567_2019_WY	Northing (m) 2295370.284	Easting (m) -932093.334	Elevation (m) 1747.337
Point Type NVA	Latitude (Local) N43°08'34.77291"	Longitude (Local) W107°32'48.58057"	Ellipsoid Height (m) 1733.420
Location Photo  NORTH			
 <p>2567_2019_WY, 3N, 20190817</p>	 <p>2567_2019_WY, 3E, 20190817</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2568_2019_WY	Northing (m) 2299203.403	Easting (m) -946287.717	Elevation (m) 1658.594
Point Type NVA	Latitude (Local) N43°09'41.51828"	Longitude (Local) W107°43'36.23899"	Ellipsoid Height (m) 1644.421
Location Photo  NORTH			
 <p>2568_2019_WY, 3N, 20190816</p>		 <p>2568_2019_WY, 3E, 20190816</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2569_2019_WY	Northing (m) 2292368.477	Easting (m) -946382.899	Elevation (m) 1707.793
Point Type NVA	Latitude (Local) N43°06'02.50623"	Longitude (Local) W107°43'03.03589"	Ellipsoid Height (m) 1693.688
Location Photo  NORTH			
 <p>2569_2019_WY, 3N, 20190817</p>		 <p>2569_2019_WY, 3E, 20190817</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2570_2019_WY	Northing (m) 2279582.518	Easting (m) -947501.180	Elevation (m) 1737.051
Point Type NVA	Latitude (Local) N42°59'09.13211"	Longitude (Local) W107°42'42.49781"	Ellipsoid Height (m) 1723.253
Location Photo  NORTH			
 <p>2570_2019_WY, 3W, 20190817</p>		 <p>2570_2019_WY, 3S, 20190817</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2571_2019_WY	Northing (m) 2318244.976	Easting (m) -942615.592	Elevation (m) 1633.498
Point Type NVA	Latitude (Local) N43°20'05.29696"	Longitude (Local) W107°42'38.22134"	Ellipsoid Height (m) 1619.920
Location Photo  NORTH			
 <p>2571_2019_WY, 3N, 20190815</p>		 <p>2571_2019_WY, 3E, 20190815</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW	
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350	Geoid GEOID12B (Conus)
Station ID 2572_2019_WY	Northing (m) 2255628.189	Easting (m) -977232.167	Elevation (m) 2161.758	
Point Type NVA	Latitude (Local) N42°44'23.96763"	Longitude (Local) W108°02'17.24489"	Ellipsoid Height (m) 2148.893	
Location Photo  NORTH				
 <p>2572_2019_WY, 3S, 20190808</p>		 <p>2572_2019_WY, 3E, 20190808</p>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2573_2019_WY	Northing (m) 2294391.034	Easting (m) -970900.368	Elevation (m) 1589.512
Point Type NVA	Latitude (Local) N43°05'28.74821"	Longitude (Local) W108°01'15.72105"	Ellipsoid Height (m) 1575.066
Location Photo  NORTH			
			
<small>2573_2019_WY, 3N, 20190817</small>	<small>2573_2019_WY, 3E, 20190817</small>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2574_2019_WY	Northing (m) 2276351.559	Easting (m) -1034347.030	Elevation (m) 1671.652
Point Type NVA	Latitude (Local) N42°51'26.46102"	Longitude (Local) W108°46'03.37678"	Ellipsoid Height (m) 1659.788
Location Photo ↑ NORTH			







2574_2019_WY, 3N, 20190818



2574_2019_WY, 3E, 20190818







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2575_2019_WY	Northing (m) 2274602.272	Easting (m) -1030670.208	Elevation (m) 1613.806
Point Type NVA	Latitude (Local) N42°50'46.44505"	Longitude (Local) W108°43'11.59541"	Ellipsoid Height (m) 1601.639
Location Photo  NORTH			
 <p>2575_2019_WY, 3N, 20190818</p>		 <p>2575_2019_WY, 3E, 20190818</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2576_2019_WY	Northing (m) 2278335.753	Easting (m) -1030799.192	Elevation (m) 1627.588
Point Type NVA	Latitude (Local) N42°52'45.10423"	Longitude (Local) W108°43'39.34059"	Ellipsoid Height (m) 1615.363
Location Photo  NORTH			
 <p>2576_2019_WY, 3N, 20190818</p>		 <p>2576_2019_WY, 3E, 20190818</p>	




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2577_2019_WY	Northing (m) 2259466.962	Easting (m) -1146335.557	Elevation (m) 2086.360
Point Type NVA	Latitude (Local) N42°33'59.72542"	Longitude (Local) W110°05'59.93202"	Ellipsoid Height (m) 2073.646
Location Photo  NORTH			
			
<small>2577_2019_WY, 3W, 20190903</small>	<small>2577_2019_WY, 3S, 20190903</small>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2578_2019_WY	Northing (m) 2157032.316	Easting (m) -737406.695	Elevation (m) 1419.851
Point Type NVA	Latitude (Local) N42°06'00.95772"	Longitude (Local) W104°59'23.78353"	Ellipsoid Height (m) 1405.665
Location Photo  NORTH			




2578_2019_WY, 3N, 20190630



2578_2019_WY, 3E, 20190630






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2579_2019_WY	Northing (m) 2350895.846	Easting (m) -664731.351	Elevation (m) 1271.740
Point Type NVA	Latitude (Local) N43°53'15.79329"	Longitude (Local) W104°18'53.45630"	Ellipsoid Height (m) 1257.490
Location Photo  NORTH			
 <p>2579_2019_WY, 3N, 20190717</p>		 <p>2579_2019_WY, 3E, 20190717</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2579A_2019_WY	Northing (m) 2350910.448	Easting (m) -664719.702	Elevation (m) 1272.532
Point Type NVA	Latitude (Local) N43°53'16.29560"	Longitude (Local) W104°18'52.99178"	Ellipsoid Height (m) 1258.283
Location Photo  NORTH			
 <p>2579A_2019_WY_3S, 20190719</p>		 <p>2579A_2019_WY_3E, 20190719</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2580_2019_WY	Northing (m) 2346241.963	Easting (m) -659588.434	Elevation (m) 1268.192
Point Type NVA	Latitude (Local) N43°51'00.60699"	Longitude (Local) W104°14'44.89374"	Ellipsoid Height (m) 1253.970
Location Photo  NORTH			







2580_2019_WY, 3N, 20190717



2580_2019_WY, 3E, 20190717







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2581_2019_WY	Northing (m) 2344757.745	Easting (m) -653408.628	Elevation (m) 1330.377
Point Type NVA	Latitude (Local) N43°50'30.08684"	Longitude (Local) W104°10'02.41805"	Ellipsoid Height (m) 1316.375
Location Photo  NORTH			
			
<small>2581_2019_WY, 3N, 20190717</small>	<small>2581_2019_WY, 3E, 20190717</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2582_2019_WY	Northing (m) 2342274.532	Easting (m) -651538.714	Elevation (m) 1309.678
Point Type NVA	Latitude (Local) N43°49'15.41546"	Longitude (Local) W104°08'29.13712"	Ellipsoid Height (m) 1295.694
Location Photo  NORTH			
 <p>2582_2019_WY, 3N, 20190717</p>		 <p>2582_2019_WY, 3E, 20190717</p>	




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2583_2019_WY	Northing (m) 2340988.544	Easting (m) -649270.799	Elevation (m) 1314.949
Point Type NVA	Latitude (Local) N43°48'40.31798"	Longitude (Local) W104°06'42.68593"	Ellipsoid Height (m) 1301.070
Location Photo  NORTH			
			
2583_2019_WY, 3W, 20190717	2583_2019_WY, 3S, 20190717		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2584_2019_WY	Northing (m) 2336140.306	Easting (m) -645730.822	Elevation (m) 1374.173
Point Type NVA	Latitude (Local) N43°46'14.14376"	Longitude (Local) W104°03'45.77530"	Ellipsoid Height (m) 1360.402
Location Photo ↑ NORTH			







2584_2019_WY, 3W, 20190717



2584_2019_WY, 3N, 20190717





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2585_2019_WY	Northing (m) 2436781.014	Easting (m) -686802.147	Elevation (m) 1184.488
Point Type NVA	Latitude (Local) N44°38'15.06046"	Longitude (Local) W104°41'14.51570"	Ellipsoid Height (m) 1170.413
Location Photo  NORTH			
 <p>2585_2019_WY,3S, 20190722</p>	 <p>2585_2019_WY,3N, 20190722</p>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 2586_2019_MT	Northing (m) 2568142.606	Easting (m) -638064.001	Elevation (m) 945.968
Point Type NVA	Latitude (Local) N45°51'10.74780"	Longitude (Local) W104°13'02.38285"	Ellipsoid Height (m) 929.830
Location Photo <div style="text-align: center;">  NORTH </div>			







2586_2019_MT.3N 20190801



2586_2019_MT.3E, 20190801







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3001_2019_WY	Northing (m) 2365047.935	Easting (m) -1098271.244	Elevation (m) 2170.373
Point Type VVA	Latitude (Local) N43°33'52.05250"	Longitude (Local) W109°42'10.75838"	Ellipsoid Height (m) 2162.358
Location Photo  NORTH			
 <p>3001_2019_WY, 3W, 20190827</p>		 <p>3001_2019_WY, 3S, 20190827</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3002_2019_WY	Northing (m) 2369260.298	Easting (m) -1103628.010	Elevation (m) 2217.088
Point Type VVA	Latitude (Local) N43°35'41.61815"	Longitude (Local) W109°46'35.25653"	Ellipsoid Height (m) 2209.102
Location Photo  NORTH			
 <p>3002_2019_WY, 3W, 20190827</p>		 <p>3002_2019_WY, 3S, 20190827</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3003_2019_WY	Northing (m) 2367877.987	Easting (m) -1104434.832	Elevation (m) 2348.133
Point Type VVA	Latitude (Local) N43°34'53.73544"	Longitude (Local) W109°47'02.06062"	Ellipsoid Height (m) 2340.191
Location Photo  NORTH			
 3003_2019_WY, 3S, 20190827	 3003_2019_WY, 3E, 20190827		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3004_2019_WY	Northing (m) 2362233.153	Easting (m) -1110132.381	Elevation (m) 2937.341
Point Type VVA	Latitude (Local) N43°31'26.95872"	Longitude (Local) W109°50'37.76559"	Ellipsoid Height (m) 2929.508
Location Photo  NORTH			
 <p>3004_2019_WY, 3W, 20190827</p>		 <p>3004_2019_WY, 3N, 20190827</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3005_2019_WY	Northing (m) 2373264.295	Easting (m) -1116466.645	Elevation (m) 2705.477
Point Type VVA	Latitude (Local) N43°36'49.22588"	Longitude (Local) W109°56'30.22022"	Ellipsoid Height (m) 2697.343
Location Photo  NORTH			
 <p>3005_2019_WY, 3S, 20190829</p>		 <p>3005_2019_WY, 3E, 20190829</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3006_2019_WY	Northing (m) 2374654.700	Easting (m) -1121323.220	Elevation (m) 2774.404
Point Type VVA	Latitude (Local) N43°37'10.64286"	Longitude (Local) W110°00'14.54978"	Ellipsoid Height (m) 2766.112
Location Photo  NORTH			
 <p>3006_2019_WY, 3W, 20190829</p>		 <p>3006_2019_WY, 3S, 20190829</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3006A_2019_WY	Northing (m) 2374629.006	Easting (m) -1121298.113	Elevation (m) 2774.882
Point Type VVA	Latitude (Local) N43°37'09.94190"	Longitude (Local) W110°00'13.26823"	Ellipsoid Height (m) 2766.590
Location Photo  NORTH			
 <p>3006A_2019_WY, 3S, 20190829</p>		 <p>3006A_2019_WY, 3E, 20190829</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3007_2019_WY	Northing (m) 2381566.705	Easting (m) -1109523.115	Elevation (m) 2654.147
Point Type VVA	Latitude (Local) N43°41'46.87370"	Longitude (Local) W109°52'16.59285"	Ellipsoid Height (m) 2646.210
Location Photo  NORTH			
 <p>3007_2019_WY, 3N, 20190829</p>		 <p>3007_2019_WY, 3E, 20190829</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3008_2019_WY	Northing (m) 2379885.945	Easting (m) -1090891.996	Elevation (m) 2388.547
Point Type VVA	Latitude (Local) N43°42'19.91349"	Longitude (Local) W109°38'18.84001"	Ellipsoid Height (m) 2380.730
Location Photo  NORTH			
 <p>3008_2019_WY, 3W, 20190828</p>		 <p>3008_2019_WY, 3N, 20190828</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3009_2019_WY	Northing (m) 2376425.867	Easting (m) -1076687.051	Elevation (m) 2683.914
Point Type VVA	Latitude (Local) N43°41'34.52530"	Longitude (Local) W109°27'26.17012"	Ellipsoid Height (m) 2675.948
Location Photo  NORTH			
 <p>3009_2019_WY, 3N, 20190828</p>	 <p>3009_2019_WY, 3E, 20190828</p>		



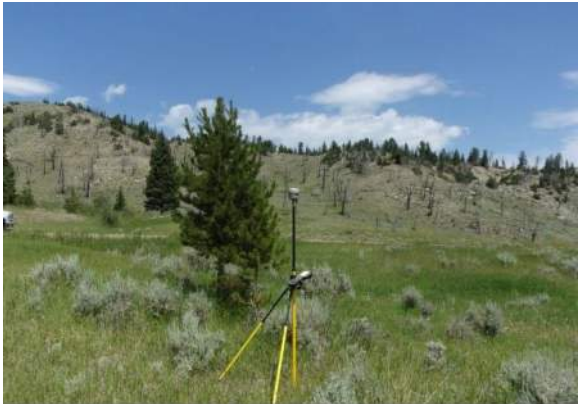



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3009A_2019_WY	Northing (m) 2374539.403	Easting (m) -1077635.223	Elevation (m) 2594.633
Point Type VVA	Latitude (Local) N43°40'29.95297"	Longitude (Local) W109°27'56.31798"	Ellipsoid Height (m) 2586.580
Location Photo  NORTH			
 <p>3009A_2019_WY, 3W, 20190828</p>		 <p>3009A_2019_WY, 3S, 20190828</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3010_2019_WY	Northing (m) 2389714.111	Easting (m) -1037664.927	Elevation (m) 2570.182
Point Type VVA	Latitude (Local) N43°51'33.87471"	Longitude (Local) W108°59'53.79895"	Ellipsoid Height (m) 2560.600
Location Photo  NORTH			
 <p>3010_2019_WY,3N, 20190808</p>		 <p>3010_2019_WY,3E, 20190808</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3011_2019_WY	Northing (m) 2390034.637	Easting (m) -1035828.673	Elevation (m) 2281.243
Point Type VVA	Latitude (Local) N43°51'52.19648"	Longitude (Local) W108°58'33.98018"	Ellipsoid Height (m) 2271.489
Location Photo  NORTH			







3011_2019_WY,3N, 20190808



3011_2019_WY,3E, 20190808







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3012_2019_WY	Northing (m) 2370805.070	Easting (m) -1035706.148	Elevation (m) 2159.122
Point Type VVA	Latitude (Local) N43°41'37.98037"	Longitude (Local) W108°56'31.15178"	Ellipsoid Height (m) 2149.090
Location Photo  NORTH			
 <p>3012_2019_WY, 3N, 20190813</p>		 <p>3012_2019_WY, 3E, 20190813</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3012A_2019_WY	Northing (m) 2370967.476	Easting (m) -1027698.116	Elevation (m) 1961.295
Point Type VVA	Latitude (Local) N43°42'18.11668"	Longitude (Local) W108°50'36.27955"	Ellipsoid Height (m) 1950.658
Location Photo  NORTH			
 3012A_2019_WY, 3S, 20190813	 3012A_2019_WY, 3E, 20190813		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3013_2019_WY	Northing (m) 2374731.112	Easting (m) -1020268.946	Elevation (m) 1877.919
Point Type VVA	Latitude (Local) N43°44'50.64280"	Longitude (Local) W108°45'28.64939"	Ellipsoid Height (m) 1866.723
Location Photo  NORTH			
 <p>3013_2019_WY, 3N, 20190806</p>		 <p>3013_2019_WY, 3E, 20190806</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3014_2019_WY	Northing (m) 2378749.489	Easting (m) -1006667.822	Elevation (m) 1633.722
Point Type VVA	Latitude (Local) N43°47'57.53040"	Longitude (Local) W108°35'47.40498"	Ellipsoid Height (m) 1621.628
Location Photo  NORTH			
 <p>3014_2019_WY, 3N, 20190807</p>		 <p>3014_2019_WY, 3E, 20190807</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3015_2019_WY	Northing (m) 2380777.183	Easting (m) -1000927.031	Elevation (m) 1556.252
Point Type VVA	Latitude (Local) N43°49'26.81311"	Longitude (Local) W108°31'43.76562"	Ellipsoid Height (m) 1543.820
Location Photo  NORTH			
 <p>3015_2019_WY, 3W, 20190807</p>		 <p>3015_2019_WY, 3N, 20190807</p>	




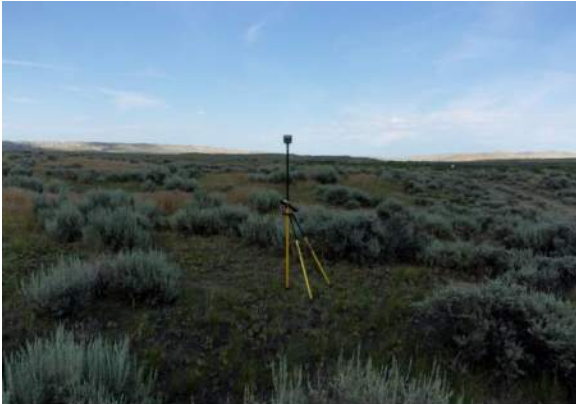


GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3016_2019_WY	Northing (m) 2381275.561	Easting (m) -998331.023	Elevation (m) 1536.725
Point Type VVA	Latitude (Local) N43°49'53.75664"	Longitude (Local) W108°29'51.06644"	Ellipsoid Height (m) 1524.146
Location Photo  NORTH			
 <p>3016_2019_WY, 3W, 20190807</p>		 <p>3016_2019_WY, 3N, 20190807</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3017_2019_WY	Northing (m) 2383347.300	Easting (m) -992383.257	Elevation (m) 1477.752
Point Type VVA	Latitude (Local) N43°51'25.14275"	Longitude (Local) W108°25'38.21596"	Ellipsoid Height (m) 1464.846
Location Photo  NORTH			
 <p>3017_2019_MT,3N, 20190806</p>	 <p>3017_2019_MT,3E, 20190806</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3018_2019_WY	Northing (m) 2382834.086	Easting (m) -990065.303	Elevation (m) 1460.441
Point Type VVA	Latitude (Local) N43°51'18.46384"	Longitude (Local) W108°23'51.90070"	Ellipsoid Height (m) 1447.436
Location Photo  NORTH			
 <p>3018_2019_MT,3N, 20190806</p>		 <p>3018_2019_MT,3E, 20190806</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3019_2019_WY	Northing (m) 2380202.250	Easting (m) -985281.167	Elevation (m) 1394.063
Point Type VVA	Latitude (Local) N43°50'14.27930"	Longitude (Local) W108°20'03.34126"	Ellipsoid Height (m) 1380.910
Location Photo  NORTH			
 <p>3019_2019_MT,3N, 20190806</p>	 <p>3019_2019_MT,3E, 20190806</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3020_2019_WY	Northing (m) 2374311.762	Easting (m) -978404.759	Elevation (m) 1384.819
Point Type VVA	Latitude (Local) N43°47'34.38554"	Longitude (Local) W108°14'22.87310"	Ellipsoid Height (m) 1371.574
Location Photo  NORTH			
 <p>3020_2019_MT,3N, 20190806</p>		 <p>3020_2019_MT,3E, 20190806</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3021_2019_WY	Northing (m) 2368423.339	Easting (m) -970796.300	Elevation (m) 1307.336
Point Type VVA	Latitude (Local) N43°44'57.33740"	Longitude (Local) W108°08'10.27148"	Ellipsoid Height (m) 1294.121
Location Photo  NORTH			
 3021_2019_MT,3N, 20190806	 3021_2019_MT,3E, 20190806		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW	
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350	Geoid GEOID12B (Conus)
Station ID 3022_2019_WY	Northing (m) 2367529.673	Easting (m) -969253.088	Elevation (m) 1313.133	
Point Type VVA	Latitude (Local) N43°44'35.07251"	Longitude (Local) W108°06'56.47088"	Ellipsoid Height (m) 1299.942	
Location Photo  NORTH				
 <p>3022_2019_MT,3N, 20190806</p>		 <p>3022_2019_MT,3E, 20190806</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3023_2019_WY	Northing (m) 2366705.709	Easting (m) -964341.343	Elevation (m) 1338.286
Point Type VVA	Latitude (Local) N43°44'28.79980"	Longitude (Local) W108°03'13.13329"	Ellipsoid Height (m) 1325.134
Location Photo  NORTH			
 <p>3023_2019_MT,3N, 20190806</p>		 <p>3023_2019_MT,3E, 20190806</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3024_2019_WY	Northing (m) 2365941.867	Easting (m) -962237.766	Elevation (m) 1340.156
Point Type VVA	Latitude (Local) N43°44'12.92724"	Longitude (Local) W108°01'35.15926"	Ellipsoid Height (m) 1327.037
Location Photo  NORTH			
 <p>3024_2019_MT,3N, 20190806</p>		 <p>3024_2019_MT,3E, 20190806</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3024A_2019_WY	Northing (m) 2365953.634	Easting (m) -962251.058	Elevation (m) 1339.729
Point Type VVA	Latitude (Local) N43°44'13.24974"	Longitude (Local) W108°01'35.81759"	Ellipsoid Height (m) 1326.609
Location Photo  NORTH			
 <p>3024A_2019_MT,3N, 20190806</p>		 <p>3024A_2019_MT,3E, 20190806</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3025_2019_WY	Northing (m) 2364741.654	Easting (m) -958332.806	Elevation (m) 1362.058
Point Type VVA	Latitude (Local) N43°43'50.37896"	Longitude (Local) W107°58'34.54736"	Ellipsoid Height (m) 1349.006
Location Photo  NORTH			
 <p>3025_2019_WY, 3W, 20190814</p>		 <p>3025_2019_WY, 3S, 20190814</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3026_2019_WY	Northing (m) 2362206.608	Easting (m) -953877.388	Elevation (m) 1390.160
Point Type VVA	Latitude (Local) N43°42'47.25446"	Longitude (Local) W107°55'01.97529"	Ellipsoid Height (m) 1377.218
Location Photo  NORTH			
			
<small>3026_2019_WY, 3W, 20190814</small>	<small>3026_2019_WY, 3S, 20190814</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3027_2019_WY	Northing (m) 2360351.033	Easting (m) -950931.336	Elevation (m) 1411.591
Point Type VVA	Latitude (Local) N43°41'59.72290"	Longitude (Local) W107°52'40.47368"	Ellipsoid Height (m) 1398.730
Location Photo  NORTH			
 <p>3027_2019_WY, 3N, 20190814</p>		 <p>3027_2019_WY, 3E, 20190814</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3028_2019_WY	Northing (m) 2357915.841	Easting (m) -952575.552	Elevation (m) 1428.232
Point Type VVA	Latitude (Local) N43°40'35.15156"	Longitude (Local) W107°53'40.00568"	Ellipsoid Height (m) 1415.393
Location Photo  NORTH			
 <p>3028_2019_WY, 3N, 20190814</p>		 <p>3028_2019_WY, 3E, 20190814</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3029_2019_WY	Northing (m) 2355197.722	Easting (m) -942889.579	Elevation (m) 1598.853
Point Type VVA	Latitude (Local) N43°39'46.94530"	Longitude (Local) W107°46'14.01059"	Ellipsoid Height (m) 1586.267
Location Photo  NORTH			
 <p style="text-align: center; font-size: small;">3029_2019_WY, 3W, 20190814</p>	 <p style="text-align: center; font-size: small;">3029_2019_WY, 3N, 20190814</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3030_2019_WY	Northing (m) 2360091.670	Easting (m) -943586.740	Elevation (m) 1471.317
Point Type VVA	Latitude (Local) N43°42'20.84752"	Longitude (Local) W107°47'12.16012"	Ellipsoid Height (m) 1458.607
Location Photo  NORTH			
 <p>3030_2019_WY, 3N, 20190814</p>		 <p>3030_2019_WY, 3E, 20190814</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3031_2019_WY	Northing (m) 2341667.289	Easting (m) -943741.280	Elevation (m) 2012.203
Point Type VVA	Latitude (Local) N43°32'30.42331"	Longitude (Local) W107°45'37.03282"	Ellipsoid Height (m) 1999.791
Location Photo  NORTH			
 <p>3031_2019_WY, 3W, 20190814</p>		 <p>3031_2019_WY, 3N, 20190814</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3031A_2019_WY	Northing (m) 2341687.090	Easting (m) -943750.232	Elevation (m) 2009.567
Point Type VVA	Latitude (Local) N43°32'31.02147"	Longitude (Local) W107°45'37.53969"	Ellipsoid Height (m) 1997.155
Location Photo  NORTH			
 <p>3031A_2019_WY, 3S, 20190814</p>		 <p>3031A_2019_WY, 3E, 20190814</p>	



GCP OBSERVATION LOG

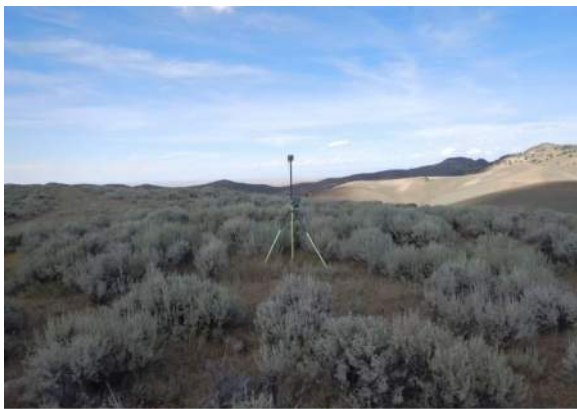
Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
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Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350	Geoid GEOID12B (Conus)
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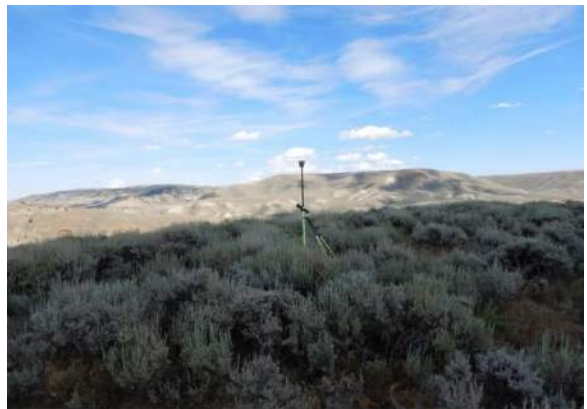
Station ID 3032_2019_WY	Northing (m) 2340895.902	Easting (m) -944550.518	Elevation (m) 1984.060
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Point Type VVA	Latitude (Local) N43°32'02.50982"	Longitude (Local) W107°46'08.70232"	Ellipsoid Height (m) 1971.624
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<p>Location Photo</p> <div style="text-align: center;">  <p>NORTH</p> </div>		
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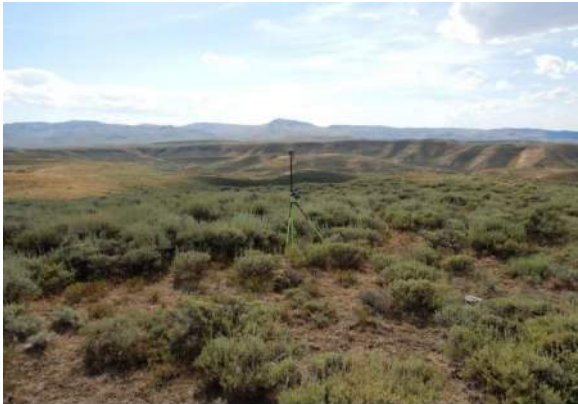

3032_2019_WY, 3N, 20190814



3032_2019_WY, 3E, 20190814







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3033_2019_WY	Northing (m) 2338828.660	Easting (m) -945166.038	Elevation (m) 1966.115
Point Type VVA	Latitude (Local) N43°30'53.89116"	Longitude (Local) W107°46'24.60114"	Ellipsoid Height (m) 1953.639
Location Photo  NORTH			
 <p>3033_2019_WY, 3W, 20190814</p>		 <p>3033_2019_WY, 3N, 20190814</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3034_2019_WY	Northing (m) 2332703.164	Easting (m) -948645.465	Elevation (m) 1848.648
Point Type VVA	Latitude (Local) N43°27'23.96495"	Longitude (Local) W107°48'25.07985"	Ellipsoid Height (m) 1835.919
Location Photo  NORTH			
 <p>3034_2019_WY, 3N, 20190814</p>		 <p>3034_2019_WY, 3E, 20190814</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW	
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350	Geoid GEOID12B (Conus)
Station ID 3035_2019_WY	Northing (m) 2326700.635	Easting (m) -943419.567	Elevation (m) 1738.229	
Point Type VVA	Latitude (Local) N43°24'32.69272"	Longitude (Local) W107°44'00.27080"	Ellipsoid Height (m) 1725.207	
Location Photo  NORTH				
 <p>3035_2019_WY, 3N, 20190815</p>		 <p>3035_2019_WY, 3E, 20190815</p>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
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Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350	Geoid GEOID12B (Conus)
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Station ID 3036_2019_WY	Northing (m) 2320336.877	Easting (m) -942258.797	Elevation (m) 1642.917
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Point Type VVA	Latitude (Local) N43°21'13.65077"	Longitude (Local) W107°42'33.89446"	Ellipsoid Height (m) 1629.476
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<p>Location Photo</p>  <p>NORTH</p>		
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3036_2019_WY, 3N, 20190815



3036_2019_WY, 3E, 20190815







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3037_2019_WY	Northing (m) 2318648.238	Easting (m) -940777.682	Elevation (m) 1626.468
Point Type VVA	Latitude (Local) N43°20'25.47841"	Longitude (Local) W107°41'19.05573"	Ellipsoid Height (m) 1612.961
Location Photo  NORTH			
 3037_2019_WY, 3W, 20190815	 3037_2019_WY, 3N, 20190815		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3038_2019_WY	Northing (m) 2312116.548	Easting (m) -937159.727	Elevation (m) 1652.119
Point Type VVA	Latitude (Local) N43°17'10.74333"	Longitude (Local) W107°38'03.26125"	Ellipsoid Height (m) 1638.399
Location Photo  NORTH			
 <p>3038_2019_WY, 3W, 20190816</p>		 <p>3038_2019_WY, 3N, 20190816</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3039_2019_WY	Northing (m) 2310116.319	Easting (m) -942766.148	Elevation (m) 1623.650
Point Type VVA	Latitude (Local) N43°15'44.60569"	Longitude (Local) W107°42'00.35394"	Ellipsoid Height (m) 1609.703
Location Photo  NORTH			
 <p>3039_2019_WY, 3W, 20190816</p>		 <p>3039_2019_WY, 3N, 20190816</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3040_2019_WY	Northing (m) 2295810.297	Easting (m) -939321.576	Elevation (m) 1698.117
Point Type VVA	Latitude (Local) N43°08'20.50251"	Longitude (Local) W107°38'10.12937"	Ellipsoid Height (m) 1684.069
Location Photo  NORTH			
 <p>3040_2019_WY, 3N, 20190816</p>		 <p>3040_2019_WY, 3E, 20190816</p>	



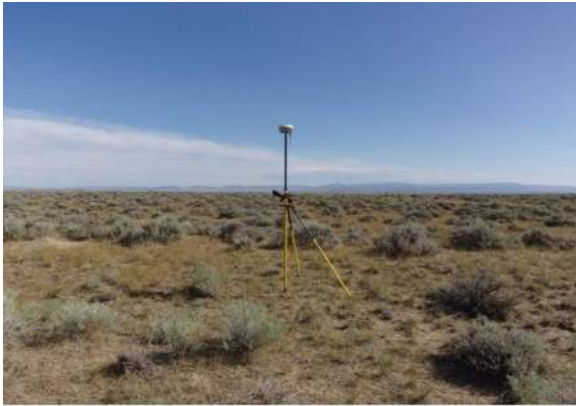



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3041_2019_WY	Northing (m) 2295237.788	Easting (m) -946388.110	Elevation (m) 1687.903
Point Type VVA	Latitude (Local) N43°07'34.26634"	Longitude (Local) W107°43'18.96114"	Ellipsoid Height (m) 1673.760
Location Photo  NORTH			
 3041_2019_WY, 3W, 20190816	 3041_2019_WY, 3N, 20190816		




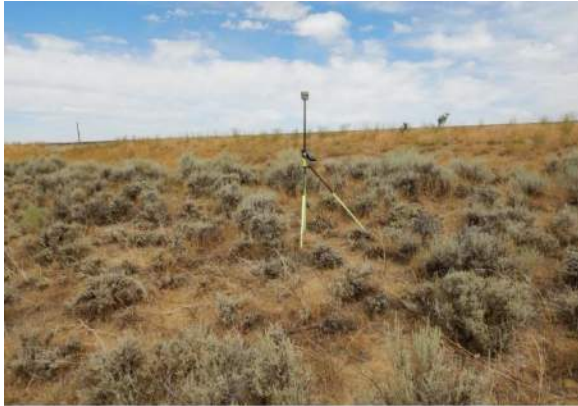


GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3042_2019_WY	Northing (m) 2286069.464	Easting (m) -946646.248	Elevation (m) 1808.258
Point Type VVA	Latitude (Local) N43°02'39.98738"	Longitude (Local) W107°42'40.23113"	Ellipsoid Height (m) 1794.277
Location Photo  NORTH			
 3042_2019_WY, 3N, 20190817	 3042_2019_WY, 3E, 20190817		




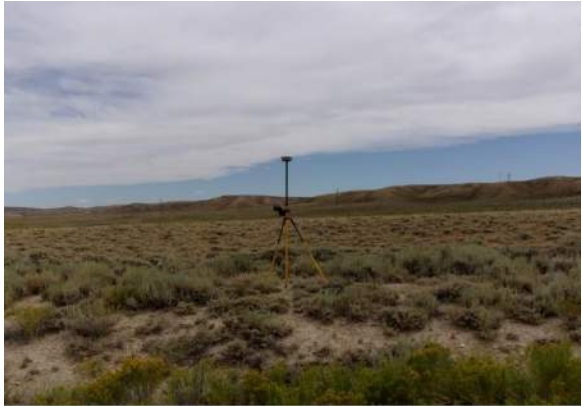


GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3043_2019_WY	Northing (m) 2278616.662	Easting (m) -961799.027	Elevation (m) 1734.842
Point Type VVA	Latitude (Local) N42°57'41.19175"	Longitude (Local) W107°53'06.81916"	Ellipsoid Height (m) 1720.922
Location Photo  NORTH			
 <p>3043_2019_WY, 3W, 20190817</p>		 <p>3043_2019_WY, 3N, 20190817</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3044_2019_WY	Northing (m) 2247314.749	Easting (m) -954293.548	Elevation (m) 2030.602
Point Type VVA	Latitude (Local) N42°41'30.48747"	Longitude (Local) W107°44'45.11363"	Ellipsoid Height (m) 2018.286
Location Photo  NORTH			
 <p>3044_2019_WY, 3N, 20190817</p>		 <p>3044_2019_WY, 3E, 20190817</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3045_2019_WY	Northing (m) 2222478.950	Easting (m) -946875.276	Elevation (m) 1894.180
Point Type VVA	Latitude (Local) N42°28'45.94308"	Longitude (Local) W107°37'05.82713"	Ellipsoid Height (m) 1881.539
Location Photo  NORTH			
 3045_2019_WY, 3N, 20190810	 3045_2019_WY, 3E, 20190810		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3046_2019_WY	Northing (m) 2205307.845	Easting (m) -969991.191	Elevation (m) 2152.779
Point Type VVA	Latitude (Local) N42°18'05.52845"	Longitude (Local) W107°52'22.15602"	Ellipsoid Height (m) 2139.078
Location Photo  NORTH			






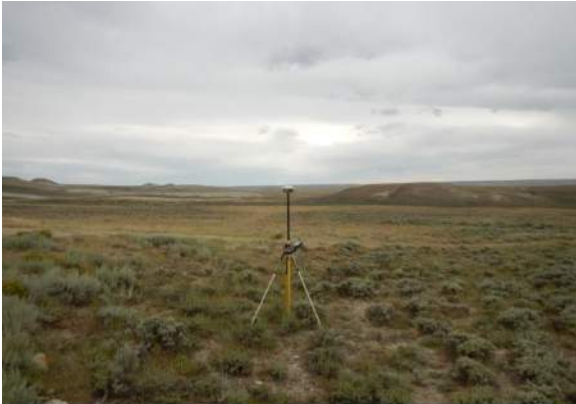
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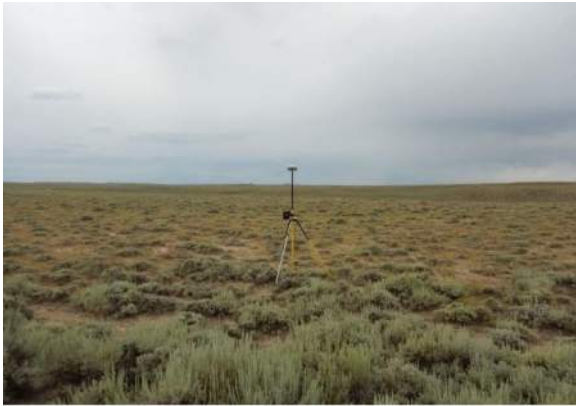



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3047_2019_WY	Northing (m) 2220063.327	Easting (m) -994151.119	Elevation (m) 2147.119
Point Type VVA	Latitude (Local) N42°24'18.59166"	Longitude (Local) W108°11'18.20959"	Ellipsoid Height (m) 2133.945
Location Photo  NORTH			
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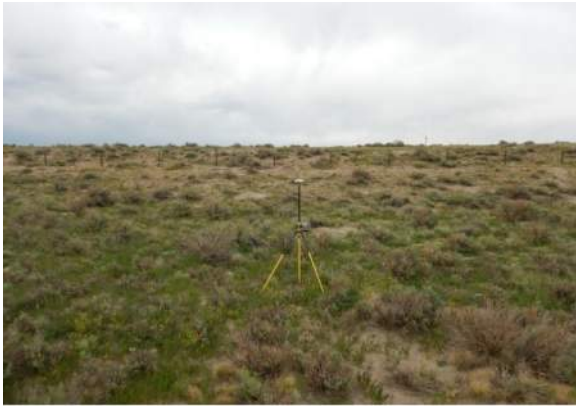
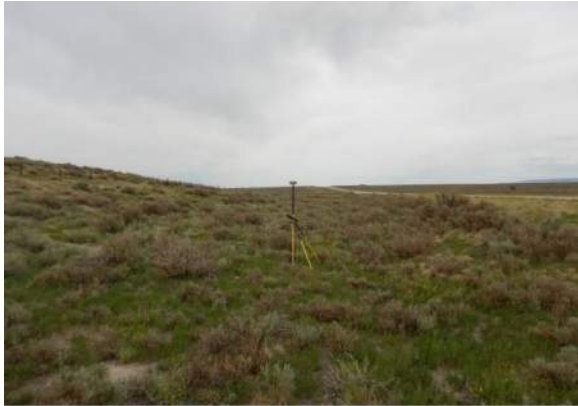


GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3048_2019_WY	Northing (m) 2230027.951	Easting (m) -990753.538	Elevation (m) 2021.055
Point Type VVA	Latitude (Local) N42°29'50.80742"	Longitude (Local) W108°09'45.86702"	Ellipsoid Height (m) 2008.189
Location Photo  NORTH			
 <p>3048_2019_WY, 3W, 20190807</p>		 <p>3048_2019_WY, 3S, 20190807</p>	


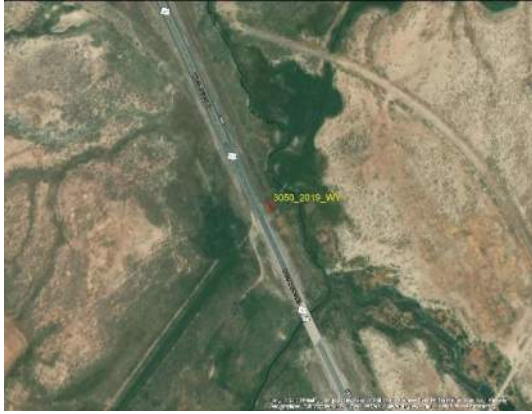




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3049_2019_WY	Northing (m) 2230817.337	Easting (m) -978400.428	Elevation (m) 1959.199
Point Type VVA	Latitude (Local) N42°31'06.48806"	Longitude (Local) W108°00'50.14771"	Ellipsoid Height (m) 1946.373
Location Photo  NORTH			
 <p>3049_2019_WY, 3N, 20190807</p>		 <p>3049_2019_WY, 3E, 20190807</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3050_2019_WY	Northing (m) 2248101.436	Easting (m) -1003687.903	Elevation (m) 1710.555
Point Type VVA	Latitude (Local) N42°38'34.47445"	Longitude (Local) W108°20'54.34412"	Ellipsoid Height (m) 1697.777
Location Photo  NORTH			
 <p>3050_2019_WY, 3W, 20190809</p>		 <p>3050_2019_WY, 3N, 20190809</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3051_2019_WY	Northing (m) 2260922.492	Easting (m) -1026451.370	Elevation (m) 1688.921
Point Type VVA	Latitude (Local) N42°43'47.74338"	Longitude (Local) W108°38'45.96993"	Ellipsoid Height (m) 1676.825
Location Photo  NORTH			





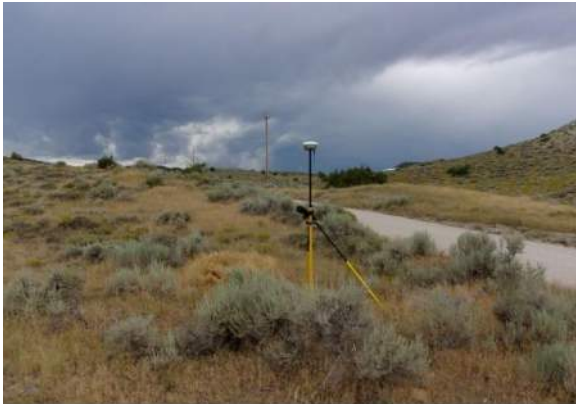

3051_2019_WY, 3N, 20190819



3051_2019_WY, 3E, 20190819







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3052_2019_WY	Northing (m) 2258120.809	Easting (m) -1027724.016	Elevation (m) 1694.805
Point Type VVA	Latitude (Local) N42°42'12.85127"	Longitude (Local) W108°39'25.29805"	Ellipsoid Height (m) 1682.885
Location Photo  NORTH			
 <p>3052_2019_WY, 3N, 20190821</p>	 <p>3052_2019_WY, 3E, 20190821</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3053_2019_WY	Northing (m) 2244604.354	Easting (m) -1043781.280	Elevation (m) 2698.127
Point Type VVA	Latitude (Local) N42°33'52.26725"	Longitude (Local) W108°49'48.23252"	Ellipsoid Height (m) 2687.505
Location Photo  NORTH			
 <p>3053_2019_WY, 3N, 20190920</p>		 <p>3053_2019_WY, 3E, 20190920</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3054_2019_WY	Northing (m) 2253327.251	Easting (m) -1046192.046	Elevation (m) 2901.972
Point Type VVA	Latitude (Local) N42°38'20.17433"	Longitude (Local) W108°52'25.58422"	Ellipsoid Height (m) 2891.743
Location Photo  NORTH			
 <p>3054_2019_WY, 3N, 20190920</p>		 <p>3054_2019_WY, 3E, 20190920</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3055_2019_WY	Northing (m) 2259984.294	Easting (m) -1047098.732	Elevation (m) 2649.842
Point Type VVA	Latitude (Local) N42°41'48.68400"	Longitude (Local) W108°53'45.03205"	Ellipsoid Height (m) 2639.690
Location Photo  NORTH			





3055_2019_WY, 3W, 20190921



3055_2019_WY, 3S, 20190921



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3056_2019_WY	Northing (m) 2262868.382	Easting (m) -1042341.173	Elevation (m) 2277.580
Point Type VVA	Latitude (Local) N42°43'41.42639"	Longitude (Local) W108°50'33.83615"	Ellipsoid Height (m) 2266.953
Location Photo  NORTH			





3056_2019_WY, 3SW, 20190921



3056_2019_WY, 3NE, 20190921



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3056A_2019_WY	Northing (m) 2262858.991	Easting (m) -1042351.229	Elevation (m) 2278.686
Point Type VVA	Latitude (Local) N42°43'41.08300"	Longitude (Local) W108°50'34.22080"	Ellipsoid Height (m) 2268.060
Location Photo  NORTH			





3056A_2019_WY, 3W, 20190921



3056A_2019_WY, 3S, 20190921



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3056B_2019_WY	Northing (m) 2262014.992	Easting (m) -1043274.656	Elevation (m) 2518.957
Point Type VVA	Latitude (Local) N42°43'10.13427"	Longitude (Local) W108°51'09.65036"	Ellipsoid Height (m) 2508.452
Location Photo  NORTH			







3056B_2019_WY, 3W, 20190921



3056B_2019_WY, 3N, 20190921





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3057_2019_WY	Northing (m) 2256555.540	Easting (m) -1045687.995	Elevation (m) 2786.218
Point Type VVA	Latitude (Local) N42°40'05.39615"	Longitude (Local) W108°52'22.78099"	Ellipsoid Height (m) 2775.982
Location Photo  NORTH			
 <p>3057_2019_WY, 3N, 20190921</p>		 <p>3057_2019_WY, 3E, 20190921</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3058_2019_WY	Northing (m) 2272067.863	Easting (m) -1051301.765	Elevation (m) 2936.088
Point Type VVA	Latitude (Local) N42°47'55.97822"	Longitude (Local) W108°58'01.73499"	Ellipsoid Height (m) 2926.239
Location Photo  NORTH			







3058_2019_WY,3S, 20190921



3058_2019_WY, 3W, 20190921







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3058A_2019_WY	Northing (m) 2272422.263	Easting (m) -1049678.156	Elevation (m) 2819.351
Point Type VVA	Latitude (Local) N42°48'14.39965"	Longitude (Local) W108°56'52.66100"	Ellipsoid Height (m) 2809.307
Location Photo  NORTH			
 <p>3058A_2019_WY, 3S, 20190921</p>	 <p>3058A_2019_WY, 3E, 20190921</p>		



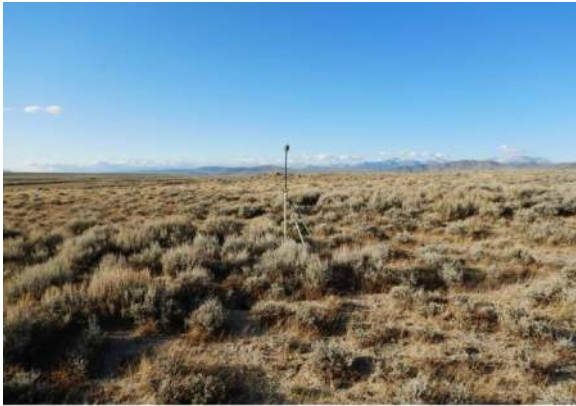



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3059_2019_WY	Northing (m) 2221718.819	Easting (m) -1076284.586	Elevation (m) 2146.945
Point Type VVA	Latitude (Local) N42°19'19.42559"	Longitude (Local) W109°11'08.75314"	Ellipsoid Height (m) 2133.714
Location Photo  NORTH			
 <p>3059_2019_WY, 3N, 20190917</p>	 <p>3059_2019_WY, 3E, 20190917</p>		





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3060_2019_WY	Northing (m) 2229624.201	Easting (m) -1078793.745	Elevation (m) 2142.859
Point Type VVA	Latitude (Local) N42°23'20.30598"	Longitude (Local) W109°13'46.22110"	Ellipsoid Height (m) 2130.056
Location Photo  NORTH			
 3060_2019_WY, 3N, 20190917	 3060_2019_WY, 3E, 20190917		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3061_2019_WY	Northing (m) 2215440.551	Easting (m) -1074788.944	Elevation (m) 2108.377
Point Type VVA	Latitude (Local) N42°16'05.89330"	Longitude (Local) W109°09'25.53850"	Ellipsoid Height (m) 2094.891
Location Photo  NORTH			







3061_2019_WY, 3N, 20190917



3061_2019_WY, 3E, 20190917







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3062_2019_WY	Northing (m) 2239326.279	Easting (m) -1083012.501	Elevation (m) 2188.483
Point Type VVA	Latitude (Local) N42°28'10.77477"	Longitude (Local) W109°17'49.59733"	Ellipsoid Height (m) 2176.205
Location Photo  NORTH			
 <p>3062_2019_WY, 3S, 20190917</p>		 <p>3062_2019_WY, 3E, 20190917</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW	
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350	Geoid GEOID12B (Conus)
Station ID 3063_2019_WY	Northing (m) 2240293.346	Easting (m) -1084496.693	Elevation (m) 2187.378	
Point Type VVA	Latitude (Local) N42°28'34.94071"	Longitude (Local) W109°19'00.29511"	Ellipsoid Height (m) 2175.080	
Location Photo  NORTH				
 <p>3063_2019_WY, 3W, 20190917</p>		 <p>3063_2019_WY, 3S, 20190917</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3064_2019_WY	Northing (m) 2242134.199	Easting (m) -1085855.147	Elevation (m) 2210.050
Point Type VVA	Latitude (Local) N42°29'27.52371"	Longitude (Local) W109°20'10.90602"	Ellipsoid Height (m) 2197.810
Location Photo  NORTH			
 <p>3064_2019_WY, 3W, 20190917</p>		 <p>3064_2019_WY, 3S, 20190917</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3065_2019_WY	Northing (m) 2245365.760	Easting (m) -1086767.373	Elevation (m) 2233.879
Point Type VVA	Latitude (Local) N42°31'06.45367"	Longitude (Local) W109°21'10.65611"	Ellipsoid Height (m) 2221.849
Location Photo  NORTH			
 <p>3065_2019_WY, 3W, 20190917</p>		 <p>3065_2019_WY, 3S, 20190917</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3066_2019_WY	Northing (m) 2265137.606	Easting (m) -1096842.638	Elevation (m) 2187.523
Point Type VVA	Latitude (Local) N42°40'51.19074"	Longitude (Local) W109°30'33.86450"	Ellipsoid Height (m) 2176.254
Location Photo  NORTH			
 <p>3066_2019_WY, 3S, 20190905</p>		 <p>3066_2019_WY, 3E, 20190905</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3067_2019_WY	Northing (m) 2258054.506	Easting (m) -1098737.303	Elevation (m) 2182.896
Point Type VVA	Latitude (Local) N42°36'56.70244"	Longitude (Local) W109°31'12.36461"	Ellipsoid Height (m) 2170.908
Location Photo  NORTH			
			
<small>3067_2019_WY, 3N, 20190905</small>	<small>3067_2019_WY, 3E, 20190905</small>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3068_2019_WY	Northing (m) 2256227.703	Easting (m) -1101869.547	Elevation (m) 2205.212
Point Type VVA	Latitude (Local) N42°35'44.13970"	Longitude (Local) W109°33'17.78160"	Ellipsoid Height (m) 2192.874
Location Photo  NORTH			







3068_2019_WY, 3N, 20190905



3068_2019_WY, 3E, 20190905





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3069_2019_WY	Northing (m) 2259400.457	Easting (m) -1108831.954	Elevation (m) 2184.930
Point Type VVA	Latitude (Local) N42°36'53.30012"	Longitude (Local) W109°38'41.95192"	Ellipsoid Height (m) 2172.339
Location Photo  NORTH			
 3069_2019_WY, 3N, 20190905	 3069_2019_WY, 3E, 20190905		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3070_2019_WY	Northing (m) 2261916.518	Easting (m) -1125661.362	Elevation (m) 2092.299
Point Type VVA	Latitude (Local) N42°36'55.34193"	Longitude (Local) W109°51'13.20187"	Ellipsoid Height (m) 2079.331
Location Photo  NORTH			







3070_2019_WY, 3S, 20190903



3070_2019_WY, 3E, 20190903







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3071_2019_WY	Northing (m) 2267240.738	Easting (m) -1132360.892	Elevation (m) 2102.501
Point Type VVA	Latitude (Local) N42°39'13.55047"	Longitude (Local) W109°56'40.16776"	Ellipsoid Height (m) 2089.792
Location Photo  NORTH			
 <p>3071_2019_WY, 3N, 20190903</p>		 <p>3071_2019_WY, 3E, 20190903</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3072_2019_WY	Northing (m) 2275162.620	Easting (m) -1141738.020	Elevation (m) 2167.173
Point Type VVA	Latitude (Local) N42°42'41.59174"	Longitude (Local) W110°04'21.48409"	Ellipsoid Height (m) 2155.029
Location Photo  NORTH			
 3072_2019_WY, 3W, 20190903	 3072_2019_WY, 3S, 20190903		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3073_2019_WY	Northing (m) 2280125.158	Easting (m) -1139782.815	Elevation (m) 2157.688
Point Type VVA	Latitude (Local) N42°45'28.99175"	Longitude (Local) W110°03'28.32397"	Ellipsoid Height (m) 2145.709
Location Photo  NORTH			
 3073_2019_WY, 3S, 20190901	 3073_2019_WY, 3E, 20190901		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3074_2019_WY	Northing (m) 2282938.567	Easting (m) -1138743.006	Elevation (m) 2155.171
Point Type VVA	Latitude (Local) N42°47'03.57230"	Longitude (Local) W110°03'01.15947"	Ellipsoid Height (m) 2143.290
Location Photo  NORTH			
 3074_2019_WY, 3W, 20190901	 3074_2019_WY, 3S, 20190901		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3075_2019_WY	Northing (m) 2287825.361	Easting (m) -1137903.515	Elevation (m) 2249.123
Point Type VVA	Latitude (Local) N42°49'43.27520"	Longitude (Local) W110°02'56.26742"	Ellipsoid Height (m) 2237.434
Location Photo  NORTH			
 3075_2019_WY, 3W, 20190901	 3075_2019_WY, 3S, 20190901		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3076_2019_WY	Northing (m) 2290228.054	Easting (m) -1139402.174	Elevation (m) 2200.804
Point Type VVA	Latitude (Local) N42°50'52.72234"	Longitude (Local) W110°04'17.60725"	Ellipsoid Height (m) 2189.205
Location Photo  NORTH			
 <p style="text-align: center;">3076_2019_WY, 3W, 20190901</p>	 <p style="text-align: center;">3076_2019_WY, 3S, 20190901</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3077_2019_WY	Northing (m) 2292083.526	Easting (m) -1139125.414	Elevation (m) 2191.393
Point Type VVA	Latitude (Local) N42°51'53.16528"	Longitude (Local) W110°04'17.60747"	Ellipsoid Height (m) 2179.840
Location Photo  NORTH			
 <p>3077_2019_WY, 3W, 20190901</p>		 <p>3077_2019_WY, 3SE, 20190901</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3078_2019_WY	Northing (m) 2293354.824	Easting (m) -1138984.795	Elevation (m) 2195.133
Point Type VVA	Latitude (Local) N42°52'34.34641"	Longitude (Local) W110°04'19.75559"	Ellipsoid Height (m) 2183.612
Location Photo  NORTH			
 3078_2019_WY, 3N, 20190901	 3078_2019_WY, 3E, 20190901		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3079_2019_WY	Northing (m) 2294866.276	Easting (m) -1138756.771	Elevation (m) 2203.807
Point Type VVA	Latitude (Local) N42°53'23.59697"	Longitude (Local) W110°04'19.64320"	Ellipsoid Height (m) 2192.326
Location Photo  NORTH			





3079_2019_WY, 3N, 20190831



3079_2019_WY, 3E, 20190831



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3080_2019_WY	Northing (m) 2295042.026	Easting (m) -1141328.194	Elevation (m) 2205.796
Point Type VVA	Latitude (Local) N42°53'16.96027"	Longitude (Local) W110°06'13.51899"	Ellipsoid Height (m) 2194.334
Location Photo  NORTH			







3080_2019_WY, 3S, 20190831



3080_2019_WY, 3E, 20190831







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3081_2019_WY	Northing (m) 2298582.373	Easting (m) -1145479.613	Elevation (m) 2226.626
Point Type VVA	Latitude (Local) N42°54'49.95699"	Longitude (Local) W110°09'38.78020"	Ellipsoid Height (m) 2215.274
Location Photo  NORTH			
 <p>3081_2019_WY, 3W, 20190831</p>		 <p>3081_2019_WY, 3N, 20190831</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3082_2019_WY	Northing (m) 2301413.267	Easting (m) -1148911.069	Elevation (m) 2249.838
Point Type VVA	Latitude (Local) N42°56'03.71896"	Longitude (Local) W110°12'27.92908"	Ellipsoid Height (m) 2238.595
Location Photo  NORTH			
 <p>3082_2019_WY, 3W, 20190831</p>		 <p>3082_2019_WY, 3S, 20190831</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3083_2019_WY	Northing (m) 2233072.546	Easting (m) -1137836.356	Elevation (m) 2200.851
Point Type VVA	Latitude (Local) N42°20'39.28467"	Longitude (Local) W109°56'58.68209"	Ellipsoid Height (m) 2187.297
Location Photo  NORTH			
 <p>3083_2019_WY, 3W, 20190904</p>		 <p>3083_2019_WY, 3N, 20190904</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3083A_2019_WY	Northing (m) 2227038.869	Easting (m) -1120925.003	Elevation (m) 2139.485
Point Type VVA	Latitude (Local) N42°18'46.10948"	Longitude (Local) W109°44'04.51071"	Ellipsoid Height (m) 2125.593
Location Photo  NORTH			
			
<small>3083A_2019_WY, 3W, 20190916</small>	<small>3083A_2019_WY, 3S, 20190916</small>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3084_2019_WY	Northing (m) 2235464.008	Easting (m) -1180379.910	Elevation (m) 2249.299
Point Type VVA	Latitude (Local) N42°18'31.39274"	Longitude (Local) W110°28'03.93564"	Ellipsoid Height (m) 2237.375
Location Photo  NORTH			







3084_2019_WY, 3N, 20190912



3084_2019_WY, 3E, 20190912







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3085_2019_WY	Northing (m) 2237466.229	Easting (m) -1182721.142	Elevation (m) 2284.409
Point Type VVA	Latitude (Local) N42°19'23.66347"	Longitude (Local) W110°29'59.02336"	Ellipsoid Height (m) 2272.584
Location Photo  NORTH			
 <p style="text-align: center; font-size: small;">3085_2019_WY, 3N, 20190912</p>	 <p style="text-align: center; font-size: small;">3085_2019_WY, 3E, 20190912</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3086_2019_WY	Northing (m) 2239670.912	Easting (m) -1186369.781	Elevation (m) 2347.546
Point Type VVA	Latitude (Local) N42°20'15.93408"	Longitude (Local) W110°32'52.33472"	Ellipsoid Height (m) 2335.831
Location Photo  NORTH			
 <p>3086_2019_WY, 3N, 20190912</p>		 <p>3086_2019_WY, 3E, 20190912</p>	




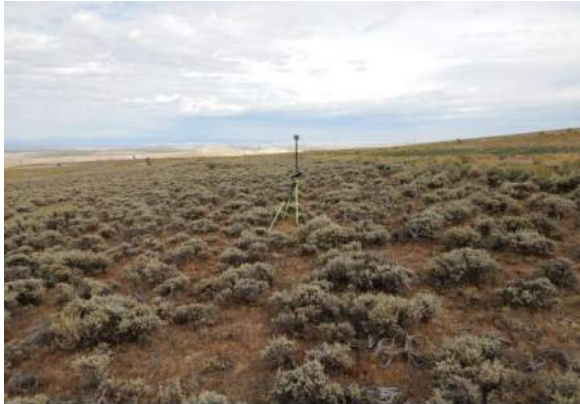


GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3087_2019_WY	Northing (m) 2244307.609	Easting (m) -1185923.381	Elevation (m) 2354.399
Point Type VVA	Latitude (Local) N42°22'45.66596"	Longitude (Local) W110°33'04.03173"	Ellipsoid Height (m) 2342.809
Location Photo  NORTH			
 <p>3087_2019_WY, 3N, 20190912</p>		 <p>3087_2019_WY, 3E, 20190912</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3088_2019_WY	Northing (m) 2250820.564	Easting (m) -1160315.708	Elevation (m) 2294.652
Point Type VVA	Latitude (Local) N42°28'17.46059"	Longitude (Local) W110°15'12.78356"	Ellipsoid Height (m) 2282.240
Location Photo  NORTH			
 <p>3088_2019_WY, 3N, 20190903</p>		 <p>3088_2019_WY, 3E, 20190903</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3089_2019_WY	Northing (m) 2263965.011	Easting (m) -1168483.283	Elevation (m) 2334.633
Point Type VVA	Latitude (Local) N42°34'36.49781"	Longitude (Local) W110°22'35.79103"	Ellipsoid Height (m) 2322.991
Location Photo  NORTH			
 <p>3089_2019_WY, 3W, 20190913</p>		 <p>3089_2019_WY, 3S, 20190913</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3090_2019_WY	Northing (m) 2265832.058	Easting (m) -1171050.754	Elevation (m) 2385.168
Point Type VVA	Latitude (Local) N42°35'23.46388"	Longitude (Local) W110°24'40.22396"	Ellipsoid Height (m) 2373.692
Location Photo  NORTH			







3090_2019_WY, 3N, 20190913



3090_2019_WY, 3E, 20190913







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3091_2019_WY	Northing (m) 2267934.346	Easting (m) -1174018.136	Elevation (m) 2432.150
Point Type VVA	Latitude (Local) N42°36'15.93621"	Longitude (Local) W110°27'03.72533"	Ellipsoid Height (m) 2420.863
Location Photo  NORTH			
 <p>3091_2019_WY, 3W, 20190913</p>		 <p>3091_2019_WY, 3S, 20190913</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3092_2019_WY	Northing (m) 2272622.809	Easting (m) -1178686.696	Elevation (m) 2621.500
Point Type VVA	Latitude (Local) N42°38'22.36446"	Longitude (Local) W110°30'58.89537"	Ellipsoid Height (m) 2610.536
Location Photo  NORTH			
 <p>3092_2019_WY, 3W, 20190913</p>		 <p>3092_2019_WY, 3N, 20190913</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3093_2019_WY	Northing (m) 2270239.210	Easting (m) -1180506.322	Elevation (m) 2550.881
Point Type VVA	Latitude (Local) N42°36'57.56462"	Longitude (Local) W110°32'02.28310"	Ellipsoid Height (m) 2539.872
Location Photo  NORTH			
 <p>3093_2019_WY, 3W, 20190913</p>		 <p>3093_2019_WY, 3S, 20190913</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3093A_2019_WY	Northing (m) 2270314.664	Easting (m) -1180502.749	Elevation (m) 2550.754
Point Type VVA	Latitude (Local) N42°36'59.98401"	Longitude (Local) W110°32'02.63465"	Ellipsoid Height (m) 2539.747
Location Photo  NORTH			







3093A_2019_WY, 3W, 20190913



3093A_2019_WY, 3S, 20190913







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3094_2019_WY	Northing (m) 2263970.661	Easting (m) -1182561.961	Elevation (m) 2569.020
Point Type VVA	Latitude (Local) N42°33'27.94439"	Longitude (Local) W110°32'49.77852"	Ellipsoid Height (m) 2557.861
Location Photo  NORTH			
 3094_2019_WY, 3N, 20190913	 3094_2019_WY, 3E, 20190913		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3094A_2019_WY	Northing (m) 2267756.878	Easting (m) -1178692.364	Elevation (m) 2526.817
Point Type VVA	Latitude (Local) N42°35'47.43857"	Longitude (Local) W110°30'26.46427"	Ellipsoid Height (m) 2515.670
Location Photo  NORTH			
 <p>3094A_2019_WY, 3W, 20190913</p>		 <p>3094A_2019_WY, 3N, 20190913</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3095_2019_WY	Northing (m) 2265184.625	Easting (m) -1180754.515	Elevation (m) 2594.255
Point Type VVA	Latitude (Local) N42°34'15.45402"	Longitude (Local) W110°31'39.13207"	Ellipsoid Height (m) 2583.083
Location Photo  NORTH			
 <p>3095_2019_WY, 3W, 20190913</p>		 <p>3095_2019_WY, 3N, 20190913</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3095B_2019_WY	Northing (m) 2265705.009	Easting (m) -1180430.575	Elevation (m) 2574.950
Point Type VVA	Latitude (Local) N42°34'33.60657"	Longitude (Local) W110°31'28.50166"	Ellipsoid Height (m) 2563.789
Location Photo  NORTH			
 3095B_2019_WY, 3W, 20190913	 3095B_2019_WY, 3S, 20190913		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3096_2019_WY	Northing (m) 2255718.956	Easting (m) -1186830.796	Elevation (m) 2668.363
Point Type VVA	Latitude (Local) N42°28'44.33801"	Longitude (Local) W110°35'00.23450"	Ellipsoid Height (m) 2657.058
Location Photo  NORTH			
 <p>3096_2019_WY, 3SE, 20190912</p>		 <p>3096_2019_WY, 3N, 20190912</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3097_2019_WY	Northing (m) 2314559.732	Easting (m) -1127564.936	Elevation (m) 2395.123
Point Type VVA	Latitude (Local) N43°04'44.35134"	Longitude (Local) W109°58'16.79096"	Ellipsoid Height (m) 2384.787
Location Photo  NORTH			
			
<small>3097_2019_WY, 3S, 20190831</small>	<small>3097_2019_WY, 3E, 20190831</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3098_2019_WY	Northing (m) 2325357.504	Easting (m) -1162123.130	Elevation (m) 2142.796
Point Type VVA	Latitude (Local) N43°07'42.77870"	Longitude (Local) W110°24'47.64835"	Ellipsoid Height (m) 2132.132
Location Photo  NORTH			
 <p>3098_2019_WY, 3W, 20190830</p>		 <p>3098_2019_WY, 3S, 20190830</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3099_2019_WY	Northing (m) 2318847.770	Easting (m) -1168714.041	Elevation (m) 2265.063
Point Type VVA	Latitude (Local) N43°03'43.21347"	Longitude (Local) W110°28'53.45145"	Ellipsoid Height (m) 2254.485
Location Photo  NORTH			
 <p>3099_2019_WY, 3W, 20190830</p>		 <p>3099_2019_WY, 3S, 20190830</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3100_2019_WY	Northing (m) 2317523.216	Easting (m) -1134567.097	Elevation (m) 2313.380
Point Type VVA	Latitude (Local) N43°05'45.66265"	Longitude (Local) W110°03'44.02749"	Ellipsoid Height (m) 2302.796
Location Photo  NORTH			
			
<small>3100_2019_WY, 3S, 20190831</small>	<small>3100_2019_WY, 3E, 20190831</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3100A_2019_WY	Northing (m) 2317307.536	Easting (m) -1134799.690	Elevation (m) 2322.525
Point Type VVA	Latitude (Local) N43°05'37.68173"	Longitude (Local) W110°03'52.84096"	Ellipsoid Height (m) 2311.919
Location Photo  NORTH			
 <p>3100A_2019_WY, 3N, 20190831</p>		 <p>3100A_2019_WY, 3E, 20190831</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3101_2019_WY	Northing (m) 2268964.211	Easting (m) -992162.724	Elevation (m) 1660.965
Point Type VVA	Latitude (Local) N42°50'28.82345"	Longitude (Local) W108°14'27.89519"	Ellipsoid Height (m) 1647.263
Location Photo  NORTH			
 <p>3101_2019_WY, 3W, 20190817</p>		 <p>3101_2019_WY, 3S, 20190817</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3102_2019_MT	Northing (m) 2527980.497	Easting (m) -650285.501	Elevation (m) 1191.742
Point Type VVA	Latitude (Local) N45°28'59.77462"	Longitude (Local) W104°19'43.35116"	Ellipsoid Height (m) 1175.911
Location Photo  NORTH			
 3102_2019_MT,3N, 20190802	 3102_2019_MT,3E, 20190802		





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3103_2019_MT	Northing (m) 2530767.345	Easting (m) -647578.699	Elevation (m) 1179.043
Point Type VVA	Latitude (Local) N45°30'37.35751"	Longitude (Local) W104°17'50.37084"	Ellipsoid Height (m) 1163.141
Location Photo  NORTH			
 <p>3103_2019_MT,3N, 20190802</p>		 <p>3103_2019_MT,3E, 20190802</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3104_2019_MT	Northing (m) 2531103.369	Easting (m) -646754.103	Elevation (m) 1159.344
Point Type VVA	Latitude (Local) N45°30'50.52836"	Longitude (Local) W104°17'13.87617"	Ellipsoid Height (m) 1143.433
Location Photo  NORTH			







3104_2019_MT,3N, 20190802



3104_2019_MT,3E, 20190802







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3105_2019_MT	Northing (m) 2532513.494	Easting (m) -631040.950	Elevation (m) 1004.222
Point Type VVA	Latitude (Local) N45°32'19.83741"	Longitude (Local) W104°05'18.11075"	Ellipsoid Height (m) 988.178
Location Photo  NORTH			
 <p>3105_2019_MT, 3N, 20190802</p>		 <p>3105_2019_MT, 3E, 20190802</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3106_2019_MT	Northing (m) 2534669.963	Easting (m) -636943.159	Elevation (m) 1029.663
Point Type VVA	Latitude (Local) N45°33'13.10930"	Longitude (Local) W104°09'57.65349"	Ellipsoid Height (m) 1013.667
Location Photo  NORTH			
 <p>3106_2019_MT, 3N, 20190802</p>		 <p>3106_2019_MT, 3E, 20190802</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3107_2019_MT	Northing (m) 2542336.968	Easting (m) -630746.143	Elevation (m) 1050.415
Point Type VVA	Latitude (Local) N45°37'37.75825"	Longitude (Local) W104°05'43.09245"	Ellipsoid Height (m) 1034.442
Location Photo  NORTH			





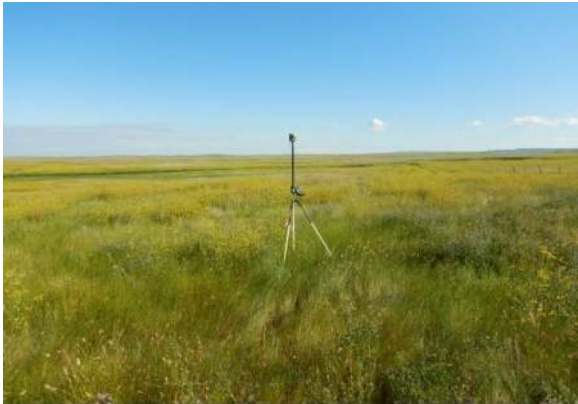

3107_2019_MT, 3S, 20190802



3107_2019_MT, 3E, 20190802







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3108_2019_MT	Northing (m) 2557034.517	Easting (m) -630168.942	Elevation (m) 979.971
Point Type VVA	Latitude (Local) N45°45'33.93179"	Longitude (Local) W104°06'14.32170"	Ellipsoid Height (m) 963.908
Location Photo  NORTH			
 <p>3108_2019_MT, 3S, 20190801</p>	 <p>3108_2019_MT, 3E, 20190801</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3109_2019_MT	Northing (m) 2559498.711	Easting (m) -630680.662	Elevation (m) 967.566
Point Type VVA	Latitude (Local) N45°46'52.10226"	Longitude (Local) W104°06'47.61331"	Ellipsoid Height (m) 951.488
Location Photo  NORTH			
 3109_2019_MT, 3N, 20190801	 3109_2019_MT, 3E, 20190801		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3110_2019_MT	Northing (m) 2565664.207	Easting (m) -634250.807	Elevation (m) 931.659
Point Type VVA	Latitude (Local) N45°50'01.33811"	Longitude (Local) W104°09'56.61560"	Ellipsoid Height (m) 915.540
Location Photo  NORTH			
 <p>3110_2019_MT, 3W, 20190801</p>		 <p>3110_2019_MT, 3S, 20190801</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3111_2019_MT	Northing (m) 2557590.223	Easting (m) -653384.270	Elevation (m) 980.514
Point Type VVA	Latitude (Local) N45°44'46.61247"	Longitude (Local) W104°24'05.87532"	Ellipsoid Height (m) 964.368
Location Photo  NORTH			
			
<small>3111_2019_MT, 3S, 20190731</small>	<small>3111_2019_MT, 3E, 20190731</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3112_2019_MT	Northing (m) 2563907.018	Easting (m) -673386.508	Elevation (m) 1093.928
Point Type VVA	Latitude (Local) N45°47'12.40058"	Longitude (Local) W104°39'53.34489"	Ellipsoid Height (m) 1078.004
Location Photo  NORTH			
 <p>3112_2019_MT, 3N, 20190731</p>		 <p>3112_2019_MT, 3E, 20190731</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3113_2019_MT	Northing (m) 2575432.971	Easting (m) -670720.244	Elevation (m) 1033.365
Point Type VVA	Latitude (Local) N45°53'32.38639"	Longitude (Local) W104°38'38.94692"	Ellipsoid Height (m) 1017.394
Location Photo  NORTH			
 <p style="text-align: center;">3113_2019_MT, 3N, 20190729</p>	 <p style="text-align: center;">3113_2019_MT, 3E, 20190729</p>		





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3114_2019_MT	Northing (m) 2582330.255	Easting (m) -659153.170	Elevation (m) 996.636
Point Type VVA	Latitude (Local) N45°57'48.93741"	Longitude (Local) W104°30'13.71861"	Ellipsoid Height (m) 980.624
Location Photo  NORTH			
 <p>3114_2019_MT, 3S, 20190801</p>		 <p>3114_2019_MT, 3E, 20190801</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3115_2019_MT	Northing (m) 2588373.264	Easting (m) -656108.845	Elevation (m) 999.781
Point Type VVA	Latitude (Local) N46°01'12.96041"	Longitude (Local) W104°28'18.03015"	Ellipsoid Height (m) 983.780
Location Photo  NORTH			




3115_2019_MT, 3N, 20190801



3115_2019_MT, 3E, 20190801



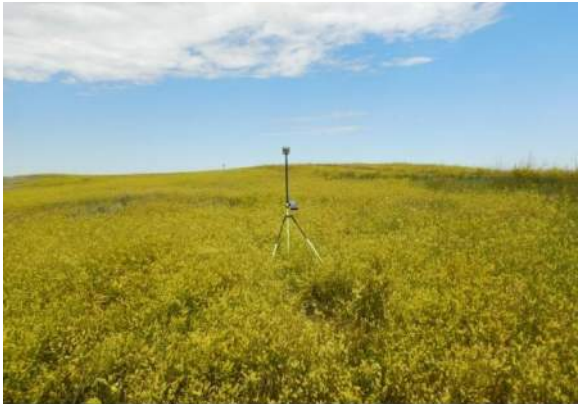



GCP OBSERVATION LOG

Project Number 79935		Project Name WY FEMA East Lidar		Company Woolpert		Field Operator DM/EN/NP/SH/BW	
Coordinate System Albers Equal Area (ESPG 6350)		Hor. Datum NAD 1983 (Conus)		Ver. Datum NAVD88		Zone Albers Equal Area ESPG 6350	
Station ID 3116_2019_MT		Northing (m) 2589819.699		Easting (m) -650241.678		Elevation (m) 964.879	
Point Type VVA		Latitude (Local) N46°02'16.56328"		Longitude (Local) W104°23'52.65522"		Ellipsoid Height (m) 948.871	
Location Photo  NORTH							
							
<p>3116_2019_MT, 3W, 20190801</p>				<p>3116_2019_MT, 3S, 20190801</p>			







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3117_2019_MT	Northing (m) 2589992.387	Easting (m) -676313.109	Elevation (m) 979.446
Point Type VVA	Latitude (Local) N46°01'06.02271"	Longitude (Local) W104°43'58.88649"	Ellipsoid Height (m) 963.482
Location Photo  NORTH			
 <p>3117_2019_MT, 3N, 20190729</p>		 <p>3117_2019_MT, 3E, 20190729</p>	



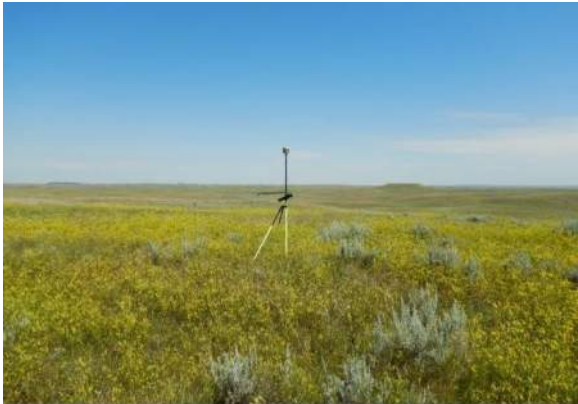



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3118_2019_MT	Northing (m) 2600168.763	Easting (m) -688714.160	Elevation (m) 984.061
Point Type VVA	Latitude (Local) N46°05'57.44447"	Longitude (Local) W104°54'16.21987"	Ellipsoid Height (m) 968.029
Location Photo  NORTH			
 3118_2019_MT, 3S, 20190730	 3118_2019_MT, 3E, 20190730		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3119_2019_MT	Northing (m) 2604044.258	Easting (m) -686234.688	Elevation (m) 989.619
Point Type VVA	Latitude (Local) N46°08'10.15098"	Longitude (Local) W104°52'38.28515"	Ellipsoid Height (m) 973.606
Location Photo  NORTH			
 3119_2019_MT, 3N, 20190730	 3119_2019_MT, 3E, 20190730		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3120_2019_MT	Northing (m) 2597436.072	Easting (m) -660522.216	Elevation (m) 949.056
Point Type VVA	Latitude (Local) N46°05'52.98333"	Longitude (Local) W104°32'19.83017"	Ellipsoid Height (m) 933.093
Location Photo  NORTH			
			
<small>3120_2019_MT, 3S, 20190730</small>	<small>3120_2019_MT, 3E, 20190730</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3121_2019_MT	Northing (m) 2583107.423	Easting (m) -664516.321	Elevation (m) 1015.823
Point Type VVA	Latitude (Local) N45°57'58.43347"	Longitude (Local) W104°34'24.70857"	Ellipsoid Height (m) 999.842
Location Photo  NORTH			
 <p>3121_2019_MT, 3S, 20190730</p>		 <p>3121_2019_MT, 3E, 20190730</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3122_2019_MT	Northing (m) 2587108.824	Easting (m) -682773.839	Elevation (m) 936.713
Point Type VVA	Latitude (Local) N45°59'13.57664"	Longitude (Local) W104°48'45.11217"	Ellipsoid Height (m) 920.727
Location Photo  NORTH			
 3122_2019_MT, 3W, 20190729	 3122_2019_MT, 3N, 20190729		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3123_2019_MT	Northing (m) 2562827.937	Easting (m) -688241.949	Elevation (m) 946.888
Point Type VVA	Latitude (Local) N45°45'53.25104"	Longitude (Local) W104°51'12.91846"	Ellipsoid Height (m) 931.008
Location Photo  NORTH			







3123_2019_MT, 3W, 20190731



3123_2019_MT, 3S, 20190731


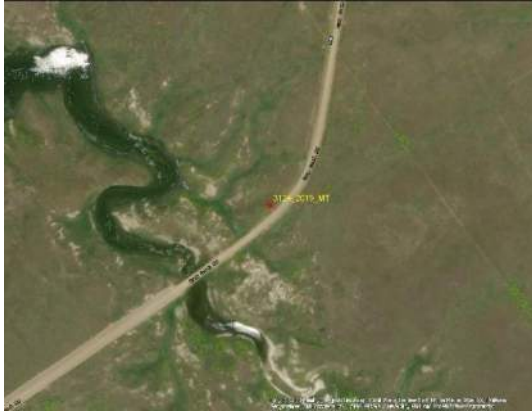




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3123A_2019_MT	Northing (m) 2563269.913	Easting (m) -683171.853	Elevation (m) 949.552
Point Type VVA	Latitude (Local) N45°46'22.74864"	Longitude (Local) W104°47'21.34822"	Ellipsoid Height (m) 933.666
Location Photo  NORTH			
 <p>3123A_2019_MT, 3N, 20190731</p>		 <p>3123A_2019_MT, 3E, 20190731</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3124_2019_MT	Northing (m) 2531199.577	Easting (m) -699371.045	Elevation (m) 954.391
Point Type VVA	Latitude (Local) N45°28'19.21129"	Longitude (Local) W104°57'27.62494"	Ellipsoid Height (m) 939.039
Location Photo  NORTH			
 <p style="text-align: center;">3124_2019_MT, 3W, 20190804</p>	 <p style="text-align: center;">3124_2019_MT, 3N, 20190804</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3125_2019_MT	Northing (m) 2528249.335	Easting (m) -700328.697	Elevation (m) 953.494
Point Type VVA	Latitude (Local) N45°26'41.16372"	Longitude (Local) W104°57'58.72356"	Ellipsoid Height (m) 938.214
Location Photo  NORTH			
 <p>3125_2019_MT, 3S, 20190804</p>		 <p>3125_2019_MT, 3E, 20190804</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3126_2019_MT	Northing (m) 2520019.298	Easting (m) -700800.526	Elevation (m) 1085.015
Point Type VVA	Latitude (Local) N45°22'14.39178"	Longitude (Local) W104°57'44.67395"	Ellipsoid Height (m) 1069.960
Location Photo  NORTH			
			
<small>3126_2019_MT, 3N, 20190804</small>	<small>3126_2019_MT, 3E, 20190804</small>		






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3127_2019_MT	Northing (m) 2517073.558	Easting (m) -699579.060	Elevation (m) 1082.243
Point Type VVA	Latitude (Local) N45°20'43.15362"	Longitude (Local) W104°56'36.04450"	Ellipsoid Height (m) 1067.260
Location Photo  NORTH			
 <p>3127_2019_MT, 3N, 20190804</p>		 <p>3127_2019_MT, 3E, 20190804</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3128_2019_MT	Northing (m) 2513990.341	Easting (m) -706065.478	Elevation (m) 1084.391
Point Type VVA	Latitude (Local) N45°18'43.95243"	Longitude (Local) W105°01'19.34903"	Ellipsoid Height (m) 1069.492
Location Photo  NORTH			
 <p>3128_2019_MT, 3N, 20190804</p>		 <p>3128_2019_MT, 3E, 20190804</p>	




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3129_2019_MT	Northing (m) 2503568.933	Easting (m) -697088.912	Elevation (m) 1137.615
Point Type VVA	Latitude (Local) N45°13'35.43845"	Longitude (Local) W104°53'44.10705"	Ellipsoid Height (m) 1122.940
Location Photo  NORTH			
 <p>3129_2019_MT,3N, 20190803</p>		 <p>3129_2019_MT,3E, 20190803</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3130_2019_WY	Northing (m) 2496595.478	Easting (m) -708889.063	Elevation (m) 1161.678
Point Type VVA	Latitude (Local) N45°09'14.75815"	Longitude (Local) W105°02'12.59363"	Ellipsoid Height (m) 1147.063
Location Photo ↑ NORTH			







3130_2019_MT,3N, 20190803





3130_2019_MT,3E, 20190803







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3131_2019_WY	Northing (m) 2470691.539	Easting (m) -663631.802	Elevation (m) 1135.542
Point Type VVA	Latitude (Local) N44°57'34.56143"	Longitude (Local) W104°26'01.70302"	Ellipsoid Height (m) 1120.809
Location Photo  NORTH			
 <p>3131_2019_WY_3N, 20190723</p>		 <p>3131_2019_WY_3E, 20190723</p>	

 GCP OBSERVATION LOG				
Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW	
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350	Geoid GEOID12B (Conus)
Station ID 3132_2019_WY	Northing (m) 2468066.326	Easting (m) -662220.114	Elevation (m) 1098.694	
Point Type VVA	Latitude (Local) N44°56'14.01801"	Longitude (Local) W104°24'46.84967"	Ellipsoid Height (m) 1083.977	
Location Photo  NORTH				







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3133_2019_WY	Northing (m) 2438633.472	Easting (m) -659573.002	Elevation (m) 1443.377
Point Type VVA	Latitude (Local) N44°40'33.48415"	Longitude (Local) W104°20'48.48307"	Ellipsoid Height (m) 1429.205
Location Photo  NORTH			
 <p>3133_2019_WY, 3N, 20190721</p>		 <p>3133_2019_WY, 3E, 20190721</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3134_2019_WY	Northing (m) 2435833.882	Easting (m) -658291.117	Elevation (m) 1431.711
Point Type VVA	Latitude (Local) N44°39'06.96164"	Longitude (Local) W104°19'39.23485"	Ellipsoid Height (m) 1417.564
Location Photo  NORTH			
			
<small>3134_2019_WY, 3W, 20190722</small>	<small>3134_2019_WY, 3N, 20190722</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3135_2019_WY	Northing (m) 2440231.323	Easting (m) -665377.413	Elevation (m) 1230.428
Point Type VVA	Latitude (Local) N44°41'08.40506"	Longitude (Local) W104°25'17.97542"	Ellipsoid Height (m) 1216.289
Location Photo  NORTH			
 <p>3135_2019_WY, 3S, 20190721</p>		 <p>3135_2019_WY, 3N, 20190721 (2)</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3136_2019_WY	Northing (m) 2442071.327	Easting (m) -667024.284	Elevation (m) 1210.366
Point Type VVA	Latitude (Local) N44°42'02.93766"	Longitude (Local) W104°26'40.05169"	Ellipsoid Height (m) 1196.200
Location Photo  NORTH			
 3136_2019_WY, 3N, 20190721	 3136_2019_WY, 3E, 20190721		







GCP OBSERVATION LOG

Project Number 79935		Project Name WY FEMA East Lidar		Company Woolpert		Field Operator DM/EN/NP/SH/BW	
Coordinate System Albers Equal Area (ESPG 6350)		Hor. Datum NAD 1983 (Conus)		Ver. Datum NAVD88		Zone Albers Equal Area ESPG 6350	
Station ID 3137_2019_WY		Northing (m) 2441914.132		Easting (m) -672281.904		Elevation (m) 1214.392	
Point Type VVA		Latitude (Local) N44°41'42.73340"		Longitude (Local) W104°30'37.75705"		Ellipsoid Height (m) 1200.262	
Location Photo  NORTH							
 <p>3137_2019_WY, 3N, 20190721</p>				 <p>3137_2019_WY, 3E, 20190721</p>			





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3137A_2019_WY	Northing (m) 2441892.093	Easting (m) -672283.604	Elevation (m) 1212.028
Point Type VVA	Latitude (Local) N44°41'42.01884"	Longitude (Local) W104°30'37.74441"	Ellipsoid Height (m) 1197.898
Location Photo  NORTH			
 <p>3137A_2019_WY,3N, 20190722</p>		 <p>3137A_2019_WY,3E, 20190722</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3138_2019_WY	Northing (m) 2440365.906	Easting (m) -678665.702	Elevation (m) 1237.384
Point Type VVA	Latitude (Local) N44°40'34.34257"	Longitude (Local) W104°35'20.75025"	Ellipsoid Height (m) 1223.275
Location Photo  NORTH			







3138_2019_WY,3N, 20190722



3138_2019_WY,3E, 20190722







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3139_2019_WY	Northing (m) 2428061.590	Easting (m) -663706.006	Elevation (m) 1532.551
Point Type VVA	Latitude (Local) N44°34'41.33522"	Longitude (Local) W104°23'13.40259"	Ellipsoid Height (m) 1518.710
Location Photo  NORTH			
 <p>3139_2019_WY, 3SW, 20190720</p>		 <p>3139_2019_WY, 3N, 20190720</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3139A_2019_WY	Northing (m) 2428173.640	Easting (m) -658259.577	Elevation (m) 1314.180
Point Type VVA	Latitude (Local) N44°35'00.39514"	Longitude (Local) W104°19'07.34687"	Ellipsoid Height (m) 1300.193
Location Photo  NORTH			
 <p>3139A_2019_WY, 3N, 20190720</p>		 <p>3139A_2019_WY, 3E, 20190720</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3140_2019_WY	Northing (m) 2398291.521	Easting (m) -646864.214	Elevation (m) 1622.549
Point Type VVA	Latitude (Local) N44°19'30.31379"	Longitude (Local) W104°08'35.27989"	Ellipsoid Height (m) 1609.186
Location Photo  NORTH			
 <p>3140_2019_WY, 3N, 20190720</p>		 <p>3140_2019_WY, 3E, 20190720</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3141_2019_WY	Northing (m) 2400122.524	Easting (m) -655772.056	Elevation (m) 1483.317
Point Type VVA	Latitude (Local) N44°20'04.44356"	Longitude (Local) W104°15'24.15195"	Ellipsoid Height (m) 1469.800
Location Photo ↑ NORTH			







3141_2019_WY, 3N, 20190723



3141_2019_WY, 3E, 20190723




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3142_2019_WY	Northing (m) 2375222.481	Easting (m) -650159.825	Elevation (m) 1813.904
Point Type VVA	Latitude (Local) N44°06'58.88877"	Longitude (Local) W104°09'34.35787"	Ellipsoid Height (m) 1800.758
Location Photo  NORTH			
 <p>3142_2019_WY, 3W, 20190722</p>		 <p>3142_2019_WY, 3N, 20190722</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3143_2019_WY	Northing (m) 2359063.840	Easting (m) -654736.059	Elevation (m) 1524.957
Point Type VVA	Latitude (Local) N43°58'06.43962"	Longitude (Local) W104°11'57.25937"	Ellipsoid Height (m) 1511.406
Location Photo ↑ NORTH			







3143_2019_WY, 3S, 20190717



3143_2019_WY, 3E, 20190717





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3144_2019_WY	Northing (m) 2352842.517	Easting (m) -654014.751	Elevation (m) 1587.157
Point Type VVA	Latitude (Local) N43°54'48.37430"	Longitude (Local) W104°11'00.80897"	Ellipsoid Height (m) 1573.441
Location Photo  NORTH			
 <p>3144_2019_WY, 3W, 20190717</p>		 <p>3144_2019_WY, 3S, 20190717</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3145_2019_WY	Northing (m) 2349691.202	Easting (m) -654613.689	Elevation (m) 1516.780
Point Type VVA	Latitude (Local) N43°53'05.37662"	Longitude (Local) W104°11'15.45557"	Ellipsoid Height (m) 1502.921
Location Photo  NORTH			



3145_2019_WY, 3W, 20190717



3145_2019_WY, 3N, 20190717







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3146_2019_WY	Northing (m) 2340453.430	Easting (m) -650181.272	Elevation (m) 1304.057
Point Type VVA	Latitude (Local) N43°48'20.60601"	Longitude (Local) W104°07'21.38575"	Ellipsoid Height (m) 1290.104
Location Photo  NORTH			
 <p>3146_2019_WY, 3W, 20190717</p>		 <p>3146_2019_WY, 3N, 20190717</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3147_2019_WY	Northing (m) 2333459.336	Easting (m) -694240.100	Elevation (m) 1268.536
Point Type VVA	Latitude (Local) N43°42'30.41885"	Longitude (Local) W104°39'43.68311"	Ellipsoid Height (m) 1253.352
Location Photo  NORTH			
 <p>3147_2019_WY, 3N, 20190720</p>		 <p>3147_2019_WY, 3E, 20190720</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3148_2019_WY	Northing (m) 2239992.383	Easting (m) -682061.691	Elevation (m) 1537.426
Point Type VVA	Latitude (Local) N42°53'04.23944"	Longitude (Local) W104°24'29.09978"	Ellipsoid Height (m) 1522.889
Location Photo  NORTH			
 <p>3148_2019_WY, 3W, 20190621</p>		 <p>3148_2019_WY, 3S, 20190621</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3149_2019_WY	Northing (m) 2223051.979	Easting (m) -679067.806	Elevation (m) 1498.286
Point Type VVA	Latitude (Local) N42°44'09.08793"	Longitude (Local) W104°21'11.01137"	Ellipsoid Height (m) 1483.683
Location Photo  NORTH			





3149_2019_WY, 3SW, 20190615



3149_2019_WY, 3SE, 20190615



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3150_2019_WY	Northing (m) 2214384.756	Easting (m) -664053.499	Elevation (m) 1470.503
Point Type VVA	Latitude (Local) N42°40'12.91977"	Longitude (Local) W104°09'36.56437"	Ellipsoid Height (m) 1455.101
Location Photo  NORTH			







3150_2019_WY, 3SE, 20190615



3150_2019_WY, 3NE, 20190615







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3151_2019_WY	Northing (m) 2216061.120	Easting (m) -686655.099	Elevation (m) 1535.006
Point Type VVA	Latitude (Local) N42°40'03.21455"	Longitude (Local) W104°26'17.82681"	Ellipsoid Height (m) 1520.544
Location Photo  NORTH			
 <p>3151_2019_WY, 3W, 20190615</p>		 <p>3151_2019_WY, 3S, 20190615</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3152_2019_WY	Northing (m) 2199680.590	Easting (m) -729701.265	Elevation (m) 1486.844
Point Type VVA	Latitude (Local) N42°29'11.24316"	Longitude (Local) W104°56'43.26704"	Ellipsoid Height (m) 1472.696
Location Photo  NORTH			
			
<small>3152_2019_WY, 3W, 20190619</small>	<small>3152_2019_WY, 3S, 20190619</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3153_2019_WY	Northing (m) 2192836.136	Easting (m) -731750.353	Elevation (m) 1381.826
Point Type VVA	Latitude (Local) N42°25'25.61630"	Longitude (Local) W104°57'44.76025"	Ellipsoid Height (m) 1367.684
Location Photo  NORTH			
 <p style="text-align: center;">3153_2019_WY, 3W, 20190620</p>	 <p style="text-align: center;">3153_2019_WY, 3N, 20190620</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3154_2019_WY	Northing (m) 2159867.056	Easting (m) -736901.887	Elevation (m) 1398.129
Point Type VVA	Latitude (Local) N42°07'33.32541"	Longitude (Local) W104°59'13.49046"	Ellipsoid Height (m) 1383.929
Location Photo  NORTH			
 3154_2019_WY, 3W, 20190715	 3154_2019_WY, 3N, 20190715		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3155_2019_WY	Northing (m) 2150162.489	Easting (m) -730332.521	Elevation (m) 1400.545
Point Type VVA	Latitude (Local) N42°02'42.22429"	Longitude (Local) W104°53'46.98585"	Ellipsoid Height (m) 1385.876
Location Photo  NORTH			
 <p style="text-align: center; font-size: small;">3155_2019_WY, 3S, 20190630</p>	 <p style="text-align: center; font-size: small;">3155_2019_WY, 3E, 20190630</p>		





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3156_2019_WY	Northing (m) 2142408.598	Easting (m) -741331.463	Elevation (m) 1537.820
Point Type VVA	Latitude (Local) N41°58'00.47301"	Longitude (Local) W105°01'14.26573"	Ellipsoid Height (m) 1523.830
Location Photo  NORTH			
 3156_2019_WY, 3N, 20190629	 3156_2019_WY, 3E, 20190629		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3157_2019_WY	Northing (m) 2138623.236	Easting (m) -748883.398	Elevation (m) 1537.068
Point Type VVA	Latitude (Local) N41°55'36.06819"	Longitude (Local) W105°06'27.22523"	Ellipsoid Height (m) 1523.627
Location Photo  NORTH			






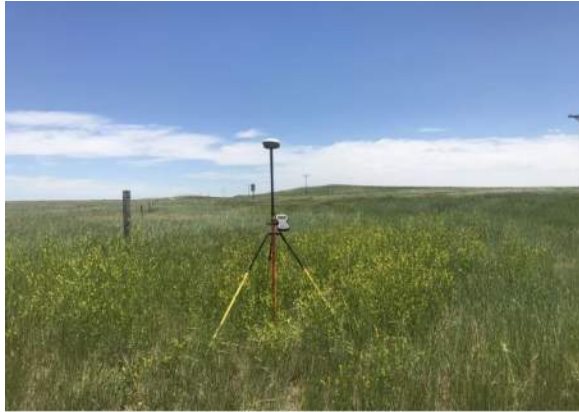
3157_2019_WY, 3NW, 20190629



3157_2019_WY, 3NE, 20190629





GCP OBSERVATION LOG

Project Number 79935		Project Name WY FEMA East Lidar		Company Woolpert		Field Operator DM/EN/NP/SH/BW	
Coordinate System Albers Equal Area (ESPG 6350)		Hor. Datum NAD 1983 (Conus)		Ver. Datum NAVD88		Zone Albers Equal Area ESPG 6350	
Station ID 3158_2019_WY		Northing (m) 2129726.328		Easting (m) -720102.816		Elevation (m) 1583.987	
Point Type VVA		Latitude (Local) N41°52'17.92336"		Longitude (Local) W104°44'58.66488"		Ellipsoid Height (m) 1568.527	
Location Photo  NORTH							
 <p>3158_2019_WY, 3N, 20190627</p>				 <p>3158_2019_WY, 3E, 20190627</p>			



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3159_2019_WY	Northing (m) 2114559.003	Easting (m) -715123.542	Elevation (m) 1655.516
Point Type VVA	Latitude (Local) N41°44'26.62416"	Longitude (Local) W104°40'21.69802"	Ellipsoid Height (m) 1639.561
Location Photo  NORTH			



3159_2019_WY, 3W, 20190612



3159_2019_WY, 3S, 20190612



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3160_2019_WY	Northing (m) 2111255.208	Easting (m) -715401.312	Elevation (m) 1656.454
Point Type VVA	Latitude (Local) N41°42'39.96083"	Longitude (Local) W104°40'20.63158"	Ellipsoid Height (m) 1640.464
Location Photo  NORTH			




3160_2019_WY, 3N, 20190612



3160_2019_WY, 3E, 20190612

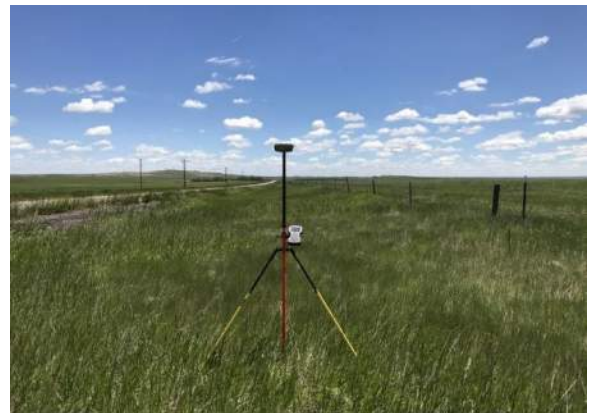


GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3161_2019_WY	Northing (m) 2105813.094	Easting (m) -727130.647	Elevation (m) 1724.409
Point Type VVA	Latitude (Local) N41°39'10.96790"	Longitude (Local) W104°48'27.65515"	Ellipsoid Height (m) 1708.985
Location Photo  NORTH			



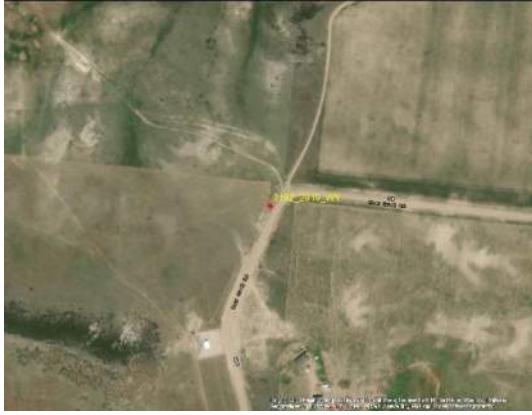
3161_2019_WY, 3S, 20190612



3161_2019_WY, 3E, 20190612



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3162_2019_WY	Northing (m) 2106481.090	Easting (m) -733481.890	Elevation (m) 1803.159
Point Type VVA	Latitude (Local) N41°39'13.37236"	Longitude (Local) W104°53'05.72230"	Ellipsoid Height (m) 1788.162
Location Photo ↑ NORTH			





3162_2019_WY, 3W, 20190612



3162_2019_WY, 3S, 20190612

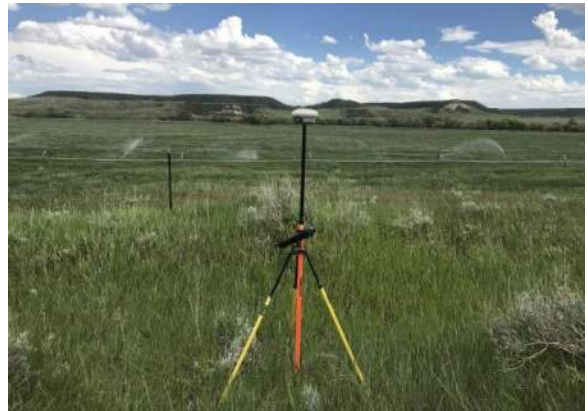


GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3163_2019_WY	Northing (m) 2112547.112	Easting (m) -736417.735	Elevation (m) 1681.330
Point Type VVA	Latitude (Local) N41°42'18.82694"	Longitude (Local) W104°55'37.77510"	Ellipsoid Height (m) 1666.666
Location Photo  NORTH			







3163_2019_WY, 3SW, 20190613



3163_2019_WY, 3SE, 20190613







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3164_2019_WY	Northing (m) 2154015.356	Easting (m) -761662.006	Elevation (m) 1787.880
Point Type VVA	Latitude (Local) N42°03'09.37811"	Longitude (Local) W105°16'48.77651"	Ellipsoid Height (m) 1775.490
Location Photo  NORTH			
 3164_2019_WY, 3S, 20190629	 3164_2019_WY, 3E, 20190629		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3165_2019_WY	Northing (m) 2154048.043	Easting (m) -760430.853	Elevation (m) 1687.094
Point Type VVA	Latitude (Local) N42°03'14.28525"	Longitude (Local) W105°15'55.25561"	Ellipsoid Height (m) 1674.605
Location Photo  NORTH			
 <p>3165_2019_WY, 3W, 20190629</p>		 <p>3165_2019_WY, 3S, 20190629</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3166_2019_WY	Northing (m) 2210827.195	Easting (m) -958216.866	Elevation (m) 2556.071
Point Type VVA	Latitude (Local) N42°21'48.82875"	Longitude (Local) W107°44'18.50426"	Ellipsoid Height (m) 2542.850
Location Photo  NORTH			
 <p>3166_2019_WY, 3W, 20190813</p>		 <p>3166_2019_WY, 3N, 20190813</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3167_2019_WY	Northing (m) 2209001.476	Easting (m) -954381.251	Elevation (m) 2564.605
Point Type VVA	Latitude (Local) N42°21'05.67616"	Longitude (Local) W107°41'21.20004"	Ellipsoid Height (m) 2551.378
Location Photo  NORTH			
 <p>3167_2019_WY, 3N, 20190813</p>		 <p>3167_2019_WY, 3E, 20190813</p>	



GCP OBSERVATION LOG

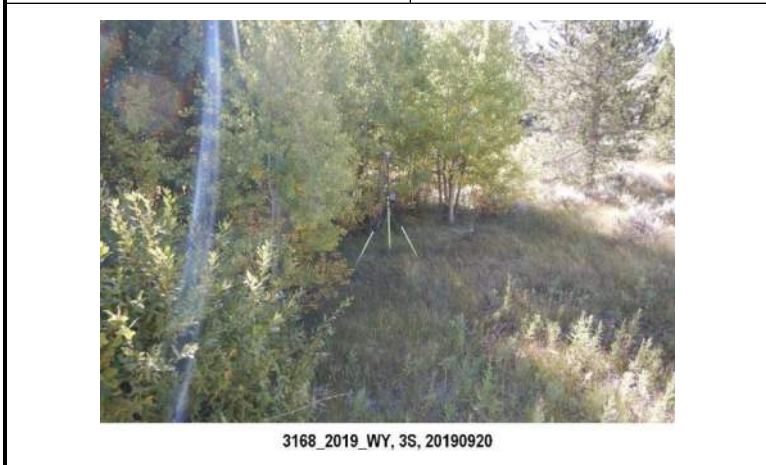
Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
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Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350	Geoid GEOID12B (Conus)
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Station ID 3168_2019_WY	Northing (m) 2238881.585	Easting (m) -1039650.209	Elevation (m) 2528.712
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Point Type VVA	Latitude (Local) N42°31'07.50251"	Longitude (Local) W108°46'13.80221"	Ellipsoid Height (m) 2517.665
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<p>Location Photo</p>  <p>NORTH</p>		
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GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3169_2019_WY	Northing (m) 2345758.737	Easting (m) -824944.102	Elevation (m) 1348.053
Point Type VVA	Latitude (Local) N43°42'05.30315"	Longitude (Local) W106°17'52.05218"	Ellipsoid Height (m) 1333.886
Location Photo  NORTH			
 3169_2019_WY, 3N, 20190728	 3169_2019_WY, 3E, 20190728		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3170_2019_WY	Northing (m) 2346294.920	Easting (m) -837411.952	Elevation (m) 1368.659
Point Type VVA	Latitude (Local) N43°41'38.66932"	Longitude (Local) W106°27'10.50816"	Ellipsoid Height (m) 1354.903
Location Photo  NORTH			







3170_2019_WY, 3S, 20190801



3170_2019_WY, 3E, 20190801







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3171_2019_WY	Northing (m) 2351114.818	Easting (m) -853679.721	Elevation (m) 1442.078
Point Type VVA	Latitude (Local) N43°43'15.03572"	Longitude (Local) W106°39'39.66701"	Ellipsoid Height (m) 1429.251
Location Photo  NORTH			
 <p>3171_2019_WY, 3SW, 20190803</p>		 <p>3171_2019_WY, 3SE, 20190803</p>	




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3172_2019_WY	Northing (m) 2356737.602	Easting (m) -856877.162	Elevation (m) 1518.115
Point Type VVA	Latitude (Local) N43°46'03.74338"	Longitude (Local) W106°42'30.57111"	Ellipsoid Height (m) 1505.597
Location Photo  NORTH			
 <p>3172_2019_WY, 3W, 20190925</p>		 <p>3172_2019_WY, 3N, 20190925</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3172A_2019_WY	Northing (m) 2356779.573	Easting (m) -856365.493	Elevation (m) 1521.669
Point Type VVA	Latitude (Local) N43°46'06.94508"	Longitude (Local) W106°42'07.95724"	Ellipsoid Height (m) 1509.110
Location Photo  NORTH			
 <p>3172A_2019_WY, 3SW, 20190803</p>		 <p>3172A_2019_WY, 3SE, 20190803</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3172B_2019_WY	Northing (m) 2356263.614	Easting (m) -855764.999	Elevation (m) 1512.506
Point Type VVA	Latitude (Local) N43°45'52.57820"	Longitude (Local) W106°41'38.56742"	Ellipsoid Height (m) 1499.892
Location Photo  NORTH			
 <p>3172B_2019_WY, 3NW, 20190803</p>		 <p>3172B_2019_WY, 3NE, 20190803</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3173_2019_WY	Northing (m) 2358208.184	Easting (m) -857840.317	Elevation (m) 1524.329
Point Type VVA	Latitude (Local) N43°46'47.39841"	Longitude (Local) W106°43'20.96975"	Ellipsoid Height (m) 1511.910
Location Photo  NORTH			
 <p>3173_2019_WY, 3NW, 20190803</p>		 <p>3173_2019_WY, 3NE, 20190803</p>	


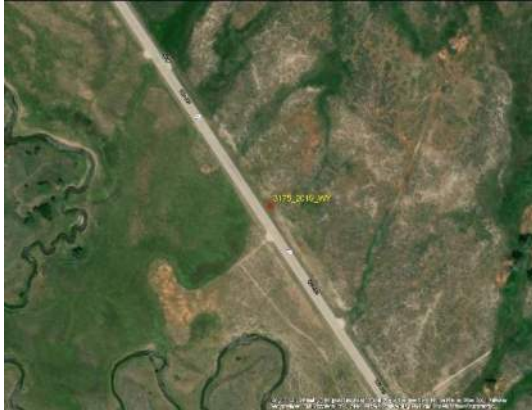




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3174_2019_WY	Northing (m) 2360764.913	Easting (m) -859847.612	Elevation (m) 1558.297
Point Type VVA	Latitude (Local) N43°48'02.07396"	Longitude (Local) W106°45'03.48589"	Ellipsoid Height (m) 1546.095
Location Photo  NORTH			
 <p style="text-align: center;">3174_2019_WY, 3SW, 20190803</p>	 <p style="text-align: center;">3174_2019_WY, 3NW, 20190803</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3175_2019_WY	Northing (m) 2361889.027	Easting (m) -860558.029	Elevation (m) 1560.245
Point Type VVA	Latitude (Local) N43°48'35.52807"	Longitude (Local) W106°45'40.89595"	Ellipsoid Height (m) 1548.129
Location Photo  NORTH			
 <p>3175_2019_WY, 3NW, 20190803</p>		 <p>3175_2019_WY, 3NE, 20190803</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3176_2019_WY	Northing (m) 2364653.890	Easting (m) -862987.440	Elevation (m) 1595.854
Point Type VVA	Latitude (Local) N43°49'55.30750"	Longitude (Local) W106°47'43.40578"	Ellipsoid Height (m) 1584.025
Location Photo  NORTH			
 <p style="text-align: center;">3176_2019_WY, 3N, 20190803</p>	 <p style="text-align: center;">3176_2019_WY, 3E, 20190803</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3177_2019_WY	Northing (m) 2365601.745	Easting (m) -870426.822	Elevation (m) 2049.321
Point Type VVA	Latitude (Local) N43°49'58.36641"	Longitude (Local) W106°53'20.38535"	Ellipsoid Height (m) 2038.270
Location Photo  NORTH			
 3177_2019_WY, 3S, 20190925	 3177_2019_WY, 3E, 20190925		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3177A_2019_WY	Northing (m) 2365654.341	Easting (m) -870424.608	Elevation (m) 2048.025
Point Type VVA	Latitude (Local) N43°50'00.06080"	Longitude (Local) W106°53'20.55670"	Ellipsoid Height (m) 2036.976
Location Photo  NORTH			
 <p>3177A_2019_WY, 3N, 20190925</p>		 <p>3177A_2019_WY, 3E, 20190925</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3178_2019_WY	Northing (m) 2367591.708	Easting (m) -874821.845	Elevation (m) 2478.251
Point Type VVA	Latitude (Local) N43°50'45.90495"	Longitude (Local) W106°56'46.85472"	Ellipsoid Height (m) 2467.687
Location Photo  NORTH			
 <p>3178_2019_WY, 3S, 20190925</p>		 <p>3178_2019_WY, 3E, 20190925</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3178A_2019_WY	Northing (m) 2367881.560	Easting (m) -874939.754	Elevation (m) 2509.965
Point Type VVA	Latitude (Local) N43°50'54.75993"	Longitude (Local) W106°56'53.61666"	Ellipsoid Height (m) 2499.421
Location Photo  NORTH			
 <p style="text-align: center;">3178A_2019_WY_3W, 20190925</p>	 <p style="text-align: center;">3178A_2019_WY_3S, 20190925</p>		





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3179_2019_WY	Northing (m) 2390901.881	Easting (m) -878096.093	Elevation (m) 2551.157
Point Type VVA	Latitude (Local) N44°03'01.12665"	Longitude (Local) W107°01'14.25630"	Ellipsoid Height (m) 2541.695
Location Photo  NORTH			
 <p>3179_2019_WY, 3N, 20190924</p>		 <p>3179_2019_WY, 3E, 20190924</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3180_2019_WY	Northing (m) 2408184.972	Easting (m) -867910.533	Elevation (m) 2548.070
Point Type VVA	Latitude (Local) N44°12'53.37516"	Longitude (Local) W106°55'07.43036"	Ellipsoid Height (m) 2538.297
Location Photo  NORTH			





3180_2019_WY, 3W, 20190807



3180_2019_WY, 3N, 20190807



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3181_2019_WY	Northing (m) 2411962.037	Easting (m) -866636.363	Elevation (m) 2436.861
Point Type VVA	Latitude (Local) N44°14'59.27532"	Longitude (Local) W106°54'29.77834"	Ellipsoid Height (m) 2426.954
Location Photo  NORTH			




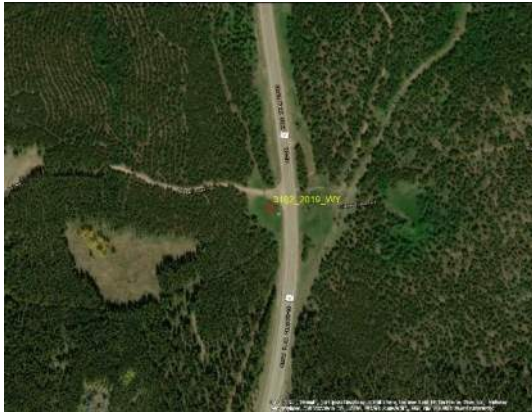


3181_2019_WY, 3W, 20190807



3181_2019_WY, 3S, 20190807







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3182_2019_WY	Northing (m) 2414358.568	Easting (m) -869437.339	Elevation (m) 2420.405
Point Type VVA	Latitude (Local) N44°16'05.78966"	Longitude (Local) W106°56'48.03449"	Ellipsoid Height (m) 2410.872
Location Photo  NORTH			
 <p>3182_2019_WY, 3W, 20190807</p>	 <p>3182_2019_WY, 3S, 20190807</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3183_2019_WY	Northing (m) 2417268.138	Easting (m) -869091.762	Elevation (m) 2343.006
Point Type VVA	Latitude (Local) N44°17'40.42986"	Longitude (Local) W106°56'47.63273"	Ellipsoid Height (m) 2333.403
Location Photo  NORTH			
 3183_2019_WY, 3W, 20190807	 3183_2019_WY, 3N, 20190807		





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3184_2019_WY	Northing (m) 2416207.967	Easting (m) -872453.322	Elevation (m) 2469.892
Point Type VVA	Latitude (Local) N44°16'53.91088"	Longitude (Local) W106°59'13.17230"	Ellipsoid Height (m) 2460.727
Location Photo  NORTH			
 <p>3184_2019_WY, 3N, 20190807</p>	 <p>3184_2019_WY, 3E, 20190807</p>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3185_2019_WY	Northing (m) 2419817.315	Easting (m) -865595.586	Elevation (m) 2108.487
Point Type VVA	Latitude (Local) N44°19'15.18599"	Longitude (Local) W106°54'23.70215"	Ellipsoid Height (m) 2098.326
Location Photo  NORTH			





3185_2019_WY, 3W, 20190808



3185_2019_WY, 3S, 20190808



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3186_2019_WY	Northing (m) 2422377.948	Easting (m) -869764.018	Elevation (m) 2349.071
Point Type VVA	Latitude (Local) N44°20'21.89743"	Longitude (Local) W106°57'44.45432"	Ellipsoid Height (m) 2339.493
Location Photo  NORTH			




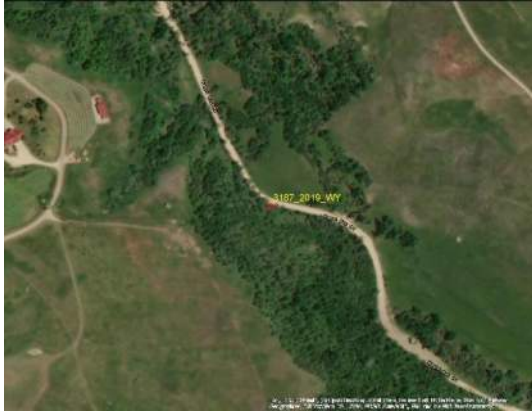
3186_2019_WY, 3S, 20190808



3186_2019_WY, 3E, 20190808



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3187_2019_WY	Northing (m) 2445038.410	Easting (m) -860896.927	Elevation (m) 1565.044
Point Type VVA	Latitude (Local) N44°33'02.11557"	Longitude (Local) W106°53'02.88352"	Ellipsoid Height (m) 1552.997
Location Photo  NORTH			







3187_2019_WY, 3W, 20190805



3187_2019_WY, 3S, 20190805







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3188_2019_WY	Northing (m) 2440559.612	Easting (m) -851105.993	Elevation (m) 1364.827
Point Type VVA	Latitude (Local) N44°31'14.25539"	Longitude (Local) W106°45'18.10636"	Ellipsoid Height (m) 1351.833
Location Photo  NORTH			
 <p>3188_2019_WY, 3N, 20190805</p>	 <p>3188_2019_WY, 3E, 20190805</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3189_2019_WY	Northing (m) 2447484.836	Easting (m) -887215.946	Elevation (m) 2526.166
Point Type VVA	Latitude (Local) N44°32'41.95934"	Longitude (Local) W107°13'02.92025"	Ellipsoid Height (m) 2517.289
Location Photo  NORTH			
 <p>3189_2019_WY, 3W, 20190806</p>		 <p>3189_2019_WY, 3N, 20190806</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3190_2019_WY	Northing (m) 2422518.702	Easting (m) -844499.749	Elevation (m) 1374.089
Point Type VVA	Latitude (Local) N44°21'59.00746"	Longitude (Local) W106°38'48.54116"	Ellipsoid Height (m) 1360.989
Location Photo  NORTH			
 <p>3190_2019_WY, 3NW, 20190803</p>		 <p>3190_2019_WY, 3NE, 20190803</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3191_2019_WY	Northing (m) 2424505.599	Easting (m) -843806.957	Elevation (m) 1359.932
Point Type VVA	Latitude (Local) N44°23'05.29674"	Longitude (Local) W106°38'27.41538"	Ellipsoid Height (m) 1346.742
Location Photo  NORTH			
 <p>3191_2019_WY, 3NW, 20190803</p>		 <p>3191_2019_WY, 3NE, 20190803</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3192_2019_WY	Northing (m) 2427920.922	Easting (m) -840074.587	Elevation (m) 1323.944
Point Type VVA	Latitude (Local) N44°25'08.39971"	Longitude (Local) W106°35'56.59731"	Ellipsoid Height (m) 1310.396
Location Photo  NORTH			
			
<small>3192_2019_WY, 3S, 20190804</small>	<small>3192_2019_WY, 3E, 20190804</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3193_2019_WY	Northing (m) 2433641.136	Easting (m) -836603.951	Elevation (m) 1292.697
Point Type VVA	Latitude (Local) N44°28'24.54386"	Longitude (Local) W106°33'49.01791"	Ellipsoid Height (m) 1278.797
Location Photo  NORTH			
 <p>3193_2019_WY, 3W, 20190804</p>		 <p>3193_2019_WY, 3N, 20190804</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3194_2019_WY	Northing (m) 2435675.708	Easting (m) -835996.618	Elevation (m) 1284.645
Point Type VVA	Latitude (Local) N44°29'32.05983"	Longitude (Local) W106°33'31.87083"	Ellipsoid Height (m) 1270.667
Location Photo  NORTH			
			
<small>3194_2019_WY, 3N, 20190804</small>	<small>3194_2019_WY, 3E, 20190804</small>		



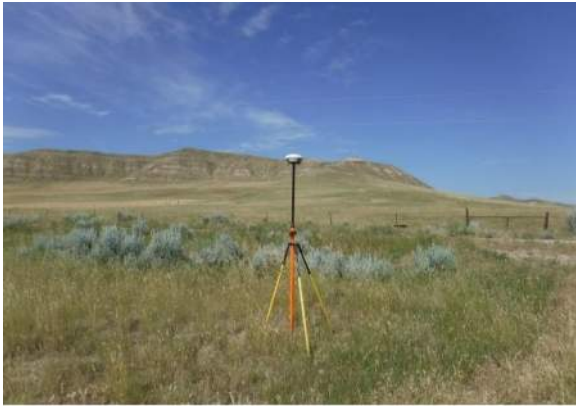
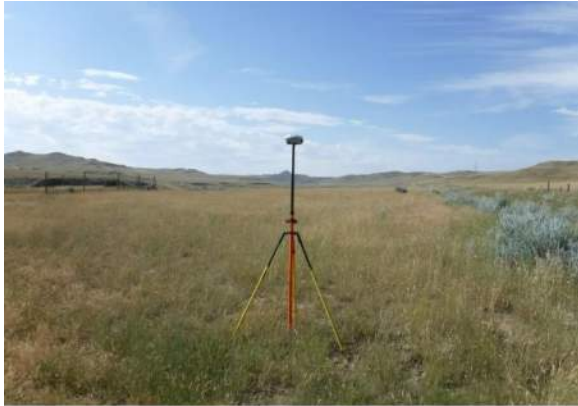


GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3195_2019_WY	Northing (m) 2442315.432	Easting (m) -834087.602	Elevation (m) 1252.619
Point Type VVA	Latitude (Local) N44°33'12.14825"	Longitude (Local) W106°32'39.14044"	Ellipsoid Height (m) 1238.404
Location Photo  NORTH			
 <p>3195_2019_WY, 3W, 20190804</p>		 <p>3195_2019_WY, 3S, 20190804</p>	



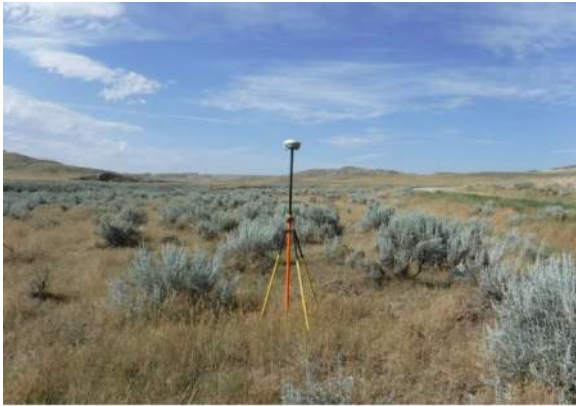



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3196_2019_WY	Northing (m) 2439803.877	Easting (m) -826682.379	Elevation (m) 1256.667
Point Type VVA	Latitude (Local) N44°32'17.85232"	Longitude (Local) W106°26'52.33671"	Ellipsoid Height (m) 1242.208
Location Photo  NORTH			
 3196_2019_WY, 3W, 20190804	 3196_2019_WY, 3S, 20190804		



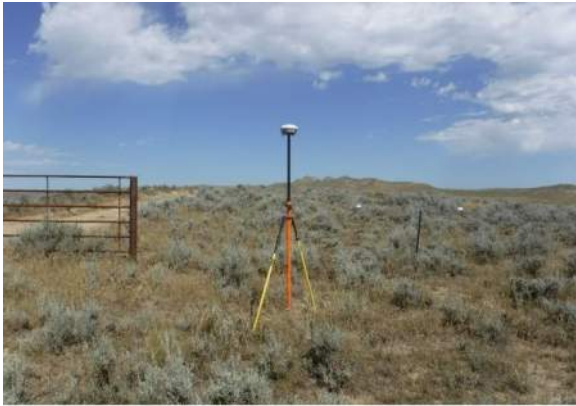
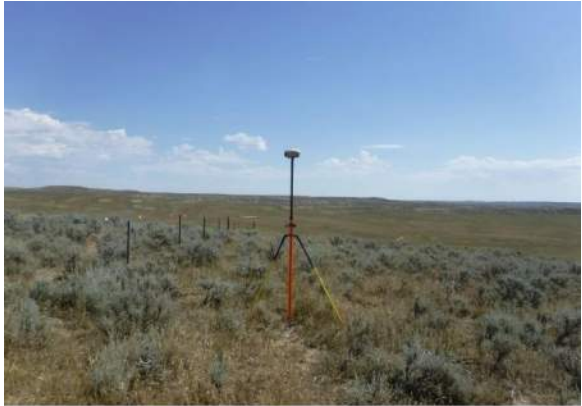


GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3197_2019_WY	Northing (m) 2441110.260	Easting (m) -825941.067	Elevation (m) 1244.039
Point Type VVA	Latitude (Local) N44°33'02.44524"	Longitude (Local) W106°26'25.38299"	Ellipsoid Height (m) 1229.537
Location Photo  NORTH			
 3197_2019_WY, 3S, 20190804	 3197_2019_WY, 3E, 20190804		





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3198_2019_WY	Northing (m) 2426782.933	Easting (m) -824014.214	Elevation (m) 1316.379
Point Type VVA	Latitude (Local) N44°25'29.05983"	Longitude (Local) W106°23'47.35827"	Ellipsoid Height (m) 1301.962
Location Photo  NORTH			
 <p>3198_2019_WY, 3N, 20190803</p>		 <p>3198_2019_WY, 3E, 20190803</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3199_2019_WY	Northing (m) 2424740.466	Easting (m) -824270.652	Elevation (m) 1243.907
Point Type VVA	Latitude (Local) N44°24'22.55900"	Longitude (Local) W106°23'48.80430"	Ellipsoid Height (m) 1229.517
Location Photo  NORTH			



3199_2019_WY, 3W, 20190803



3199_2019_WY, 3S, 20190803



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3200_2019_WY	Northing (m) 2419099.300	Easting (m) -843880.968	Elevation (m) 1406.978
Point Type VVA	Latitude (Local) N44°20'11.46890"	Longitude (Local) W106°38'03.39732"	Ellipsoid Height (m) 1393.876
Location Photo  NORTH			



3200_2019_WY, 3N, 20190803



3200_2019_WY, 3E, 20190803



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3201_2019_WY	Northing (m) 2416121.203	Easting (m) -846281.816	Elevation (m) 1445.647
Point Type VVA	Latitude (Local) N44°18'27.19973"	Longitude (Local) W106°39'36.31203"	Ellipsoid Height (m) 1432.786
Location Photo  NORTH			





3201_2019_WY, 3W, 20190808



3201_2019_WY, 3N, 20190808




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3202_2019_WY	Northing (m) 2415423.634	Easting (m) -848852.019	Elevation (m) 1473.680
Point Type VVA	Latitude (Local) N44°17'55.50227"	Longitude (Local) W106°41'28.33975"	Ellipsoid Height (m) 1461.086
Location Photo  NORTH			
 <p style="text-align: center;">3202_2019_WY, 3S, 20190808</p>	 <p style="text-align: center;">3202_2019_WY, 3E, 20190808</p>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3203_2019_WY	Northing (m) 2424905.828	Easting (m) -848429.624	Elevation (m) 1407.835
Point Type VVA	Latitude (Local) N44°23'01.41264"	Longitude (Local) W106°41'57.54963"	Ellipsoid Height (m) 1395.062
Location Photo  NORTH			







3203_2019_WY, 3W, 20190806



3203_2019_WY, 3N, 20190806







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3204_2019_WY	Northing (m) 2430628.434	Easting (m) -855703.786	Elevation (m) 1497.683
Point Type VVA	Latitude (Local) N44°25'38.59545"	Longitude (Local) W106°47'54.35913"	Ellipsoid Height (m) 1485.580
Location Photo  NORTH			
 <p>3204_2019_WY, 3W, 20190805</p>		 <p>3204_2019_WY, 3N, 20190805</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3205_2019_WY	Northing (m) 2430407.077	Easting (m) -860284.487	Elevation (m) 1617.479
Point Type VVA	Latitude (Local) N44°25'14.66467"	Longitude (Local) W106°51'19.51451"	Ellipsoid Height (m) 1606.047
Location Photo  NORTH			
 <p>3205_2019_WY, 3W, 20190805</p>		 <p>3205_2019_WY, 3N, 20190805</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3206_2019_WY	Northing (m) 2423586.337	Easting (m) -852083.604	Elevation (m) 1496.411
Point Type VVA	Latitude (Local) N44°22'05.76587"	Longitude (Local) W106°44'35.28539"	Ellipsoid Height (m) 1484.085
Location Photo  NORTH			
 <p>3206_2019_WY, 3N, 20190806</p>	 <p>3206_2019_WY, 3E, 20190806</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3207_2019_WY	Northing (m) 2403253.967	Easting (m) -852000.910	Elevation (m) 1527.564
Point Type VVA	Latitude (Local) N44°11'13.50962"	Longitude (Local) W106°42'47.96788"	Ellipsoid Height (m) 1515.297
Location Photo  NORTH			
 3207_2019_WY, 3S, 20190924	 3207_2019_WY, 3E, 20190924		


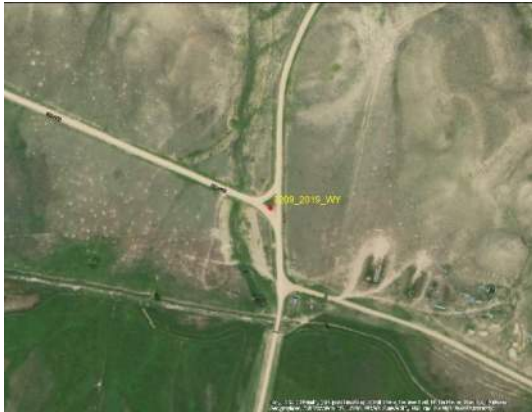




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3208_2019_WY	Northing (m) 2396541.707	Easting (m) -852662.606	Elevation (m) 1475.599
Point Type VVA	Latitude (Local) N44°07'35.72826"	Longitude (Local) W106°42'43.56337"	Ellipsoid Height (m) 1463.305
Location Photo  NORTH			
 <p>3208_2019_WY, 3W, 20190924</p>		 <p>3208_2019_WY, 3S, 20190924</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3209_2019_WY	Northing (m) 2390587.793	Easting (m) -845854.504	Elevation (m) 1403.966
Point Type VVA	Latitude (Local) N44°04'49.31234"	Longitude (Local) W106°37'08.25662"	Ellipsoid Height (m) 1390.862
Location Photo  NORTH			
 <p>3209_2019_WY, 3W, 20190924</p>		 <p>3209_2019_WY, 3N, 20190924</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3210_2019_WY	Northing (m) 2367620.551	Easting (m) -849184.940	Elevation (m) 1545.755
Point Type VVA	Latitude (Local) N43°52'20.54683"	Longitude (Local) W106°37'41.91867"	Ellipsoid Height (m) 1532.766
Location Photo  NORTH			
			
3210_2019_WY, 3N, 20190925		3210_2019_WY, 3E, 20190925	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3211_2019_WY	Northing (m) 2355973.636	Easting (m) -849007.489	Elevation (m) 1442.166
Point Type VVA	Latitude (Local) N43°46'07.66942"	Longitude (Local) W106°36'35.64465"	Ellipsoid Height (m) 1429.032
Location Photo  NORTH			
 <p>3211_2019_WY, 3SE, 20190803</p>		 <p>3211_2019_WY, 3NE, 20190803</p>	




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3212_2019_WY	Northing (m) 2348685.696	Easting (m) -846516.883	Elevation (m) 1399.376
Point Type VVA	Latitude (Local) N43°42'22.90947"	Longitude (Local) W106°34'08.20596"	Ellipsoid Height (m) 1386.064
Location Photo  NORTH			
			
<small>3212_2019_WY, 3S, 20190802</small>	<small>3212_2019_WY, 3E, 20190802</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3213_2019_WY	Northing (m) 2344069.443	Easting (m) -864542.506	Elevation (m) 1480.350
Point Type VVA	Latitude (Local) N43°38'49.71359"	Longitude (Local) W106°47'08.08043"	Ellipsoid Height (m) 1468.185
Location Photo  NORTH			
			
<small>3213_2019_WY, 3S, 20190926</small>	<small>3213_2019_WY, 3E, 20190926</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3214_2019_WY	Northing (m) 2346221.170	Easting (m) -871345.921	Elevation (m) 1546.542
Point Type VVA	Latitude (Local) N43°39'33.72415"	Longitude (Local) W106°52'21.99318"	Ellipsoid Height (m) 1534.842
Location Photo  NORTH			
 <p>3214_2019_WY, 3W, 20190804</p>		 <p>3214_2019_WY, 3S, 20190804</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3215_2019_WY	Northing (m) 2346116.871	Easting (m) -871990.826	Elevation (m) 1547.848
Point Type VVA	Latitude (Local) N43°39'28.00524"	Longitude (Local) W106°52'50.17667"	Ellipsoid Height (m) 1536.189
Location Photo  NORTH			
 <p>3215_2019_WY, 3S, 20190804</p>		 <p>3215_2019_WY, 3E, 20190804</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3216_2019_WY	Northing (m) 2346039.935	Easting (m) -874285.393	Elevation (m) 1562.904
Point Type VVA	Latitude (Local) N43°39'17.07158"	Longitude (Local) W106°54'31.95264"	Ellipsoid Height (m) 1551.391
Location Photo  NORTH			







3216_2019_WY, 3S, 20190926



3216_2019_WY, 3E, 20190926



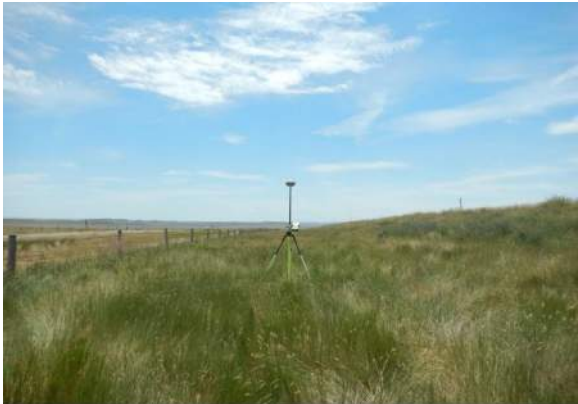



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3217_2019_WY	Northing (m) 2341537.306	Easting (m) -873394.883	Elevation (m) 1540.470
Point Type VVA	Latitude (Local) N43°36'56.05787"	Longitude (Local) W106°53'29.22340"	Ellipsoid Height (m) 1528.824
Location Photo  NORTH			
 <p>3217_2019_WY, 3W, 20190926</p>		 <p>3217_2019_WY, 3N, 20190926</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3218_2019_WY	Northing (m) 2329403.203	Easting (m) -841278.645	Elevation (m) 1509.425
Point Type VVA	Latitude (Local) N43°32'23.34779"	Longitude (Local) W106°28'39.51126"	Ellipsoid Height (m) 1496.065
Location Photo  NORTH			
 <p>3218_2019_WY, 3SE, 20190731</p>		 <p>3218_2019_WY, 3NE, 20190731</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3219_2019_WY	Northing (m) 2324345.135	Easting (m) -840321.018	Elevation (m) 1483.705
Point Type VVA	Latitude (Local) N43°29'44.59127"	Longitude (Local) W106°27'32.06343"	Ellipsoid Height (m) 1470.319
Location Photo  NORTH			
 3219_2019_WY, 3SW, 20190731	 3219_2019_WY, 3SE, 20190731		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3220_2019_WY	Northing (m) 2328295.928	Easting (m) -856942.895	Elevation (m) 1500.899
Point Type VVA	Latitude (Local) N43°30'51.75664"	Longitude (Local) W106°40'10.44732"	Ellipsoid Height (m) 1488.165
Location Photo  NORTH			
 <p>3220_2019_WY, 3N, 20190801</p>		 <p>3220_2019_WY, 3E, 20190801</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3221_2019_WY	Northing (m) 2339146.132	Easting (m) -848038.921	Elevation (m) 1414.027
Point Type VVA	Latitude (Local) N43°37'11.59625"	Longitude (Local) W106°34'28.53931"	Ellipsoid Height (m) 1400.872
Location Photo  NORTH			
			
<small>3221_2019_WY, 3W, 20190731</small>	<small>3221_2019_WY, 3S, 20190731</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3222_2019_WY	Northing (m) 2371505.696	Easting (m) -835101.731	Elevation (m) 1450.298
Point Type VVA	Latitude (Local) N43°55'15.49900"	Longitude (Local) W106°27'31.70741"	Ellipsoid Height (m) 1436.514
Location Photo  NORTH			
 <p>3222_2019_WY, 3SW, 20190925</p>		 <p>3222_2019_WY, 3SE, 20190925</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3223_2019_WY	Northing (m) 2369022.220	Easting (m) -826109.805	Elevation (m) 1355.217
Point Type VVA	Latitude (Local) N43°54'27.52179"	Longitude (Local) W106°20'37.36744"	Ellipsoid Height (m) 1341.126
Location Photo  NORTH			
 <p>3223_2019_WY, 3NW, 20190925</p>		 <p>3223_2019_WY, 3NE, 20190925</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3224_2019_WY	Northing (m) 2364701.832	Easting (m) -815552.326	Elevation (m) 1341.129
Point Type VVA	Latitude (Local) N43°52'45.66378"	Longitude (Local) W106°12'24.32415"	Ellipsoid Height (m) 1326.789
Location Photo  NORTH			
 <p>3224_2019_WY, 3N, 20190925</p>		 <p>3224_2019_WY, 3E, 20190925</p>	




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3224A_2019_WY	Northing (m) 2364677.251	Easting (m) -815540.983	Elevation (m) 1342.491
Point Type VVA	Latitude (Local) N43°52'44.91422"	Longitude (Local) W106°12'23.69850"	Ellipsoid Height (m) 1328.150
Location Photo  NORTH			
			
3224A_2019_WY, 3N, 20190925		3224A_2019_WY, 3E, 20190925	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3225_2019_WY	Northing (m) 2392688.955	Easting (m) -812972.266	Elevation (m) 1360.997
Point Type VVA	Latitude (Local) N44°07'52.88226"	Longitude (Local) W106°12'43.95341"	Ellipsoid Height (m) 1346.513
Location Photo ↑ NORTH			







3225_2019_WY, 3S, 20190802



3225_2019_WY, 3E, 20190802



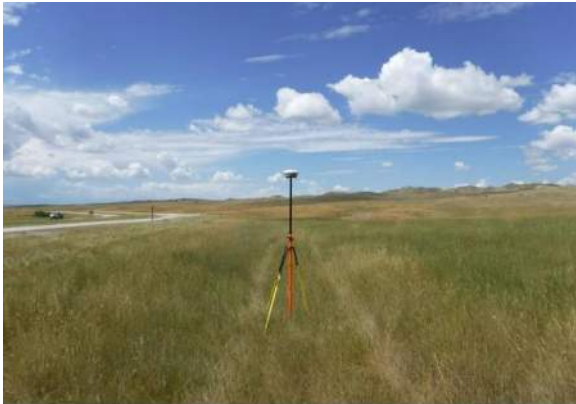



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3226_2019_WY	Northing (m) 2394456.455	Easting (m) -817797.259	Elevation (m) 1432.890
Point Type VVA	Latitude (Local) N44°08'32.86389"	Longitude (Local) W106°16'29.06465"	Ellipsoid Height (m) 1418.493
Location Photo  NORTH			
 <p>3226_2019_WY, 3W, 20190802</p>		 <p>3226_2019_WY, 3S, 20190802</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3227_2019_WY	Northing (m) 2400775.742	Easting (m) -796874.002	Elevation (m) 1262.930
Point Type VVA	Latitude (Local) N44°13'07.79375"	Longitude (Local) W106°01'19.82065"	Ellipsoid Height (m) 1248.370
Location Photo  NORTH			
 <p>3227_2019_WY, 3W, 20190801</p>		 <p>3227_2019_WY, 3N, 20190801</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3228_2019_WY	Northing (m) 2401575.547	Easting (m) -802173.797	Elevation (m) 1240.551
Point Type VVA	Latitude (Local) N44°13'15.40237"	Longitude (Local) W106°05'21.81503"	Ellipsoid Height (m) 1225.966
Location Photo  NORTH			







3228_2019_WY, 3W, 20190801



3228_2019_WY, 3N, 20190801




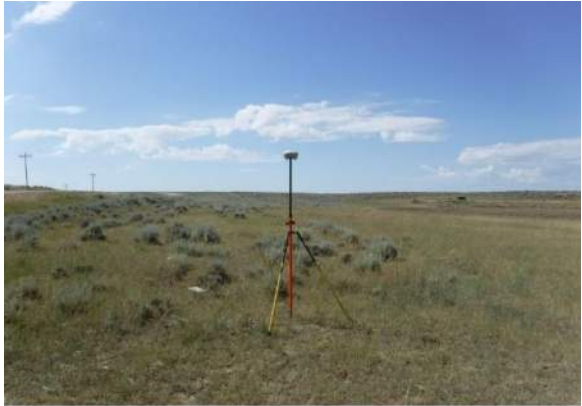


GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3229_2019_WY	Northing (m) 2401749.005	Easting (m) -807578.617	Elevation (m) 1205.478
Point Type VVA	Latitude (Local) N44°13'02.41364"	Longitude (Local) W106°09'25.52411"	Ellipsoid Height (m) 1190.898
Location Photo  NORTH			
 <p>3229_2019_WY, 3W, 20190801</p>		 <p>3229_2019_WY, 3S, 20190801</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3230_2019_WY	Northing (m) 2401588.312	Easting (m) -821980.392	Elevation (m) 1436.678
Point Type VVA	Latitude (Local) N44°12'07.20080"	Longitude (Local) W106°20'11.73248"	Ellipsoid Height (m) 1422.379
Location Photo  NORTH			
 <p>3230_2019_WY, 3W, 20190802</p>		 <p>3230_2019_WY, 3S, 20190802</p>	




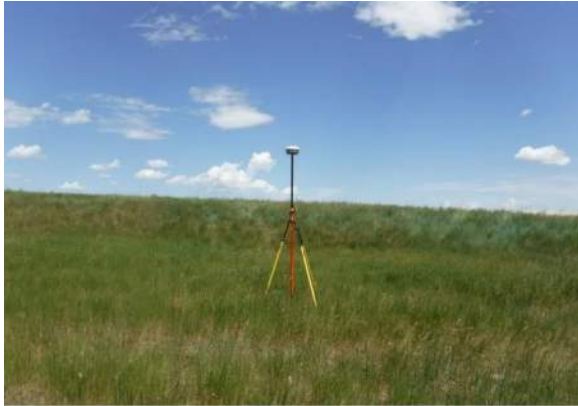


GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3231_2019_WY	Northing (m) 2405855.360	Easting (m) -826081.771	Elevation (m) 1382.480
Point Type VVA	Latitude (Local) N44°14'09.77302"	Longitude (Local) W106°23'36.97560"	Ellipsoid Height (m) 1368.286
Location Photo  NORTH			
 3231_2019_WY, 3N, 20190802	 3231_2019_WY, 3E, 20190802		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3232_2019_WY	Northing (m) 2409805.967	Easting (m) -833901.467	Elevation (m) 1356.651
Point Type VVA	Latitude (Local) N44°15'48.89736"	Longitude (Local) W106°29'47.99037"	Ellipsoid Height (m) 1342.840
Location Photo  NORTH			
 <p>3232_2019_WY, 3W, 20190802</p>		 <p>3232_2019_WY, 3N, 20190802</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3233_2019_WY	Northing (m) 2412161.543	Easting (m) -837727.364	Elevation (m) 1386.919
Point Type VVA	Latitude (Local) N44°16'50.86143"	Longitude (Local) W106°32'51.74178"	Ellipsoid Height (m) 1373.376
Location Photo  NORTH			
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GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3234_2019_WY	Northing (m) 2381705.862	Easting (m) -852776.705	Elevation (m) 1466.152
Point Type VVA	Latitude (Local) N43°59'39.35813"	Longitude (Local) W106°41'33.50326"	Ellipsoid Height (m) 1453.577
Location Photo ↑ NORTH			






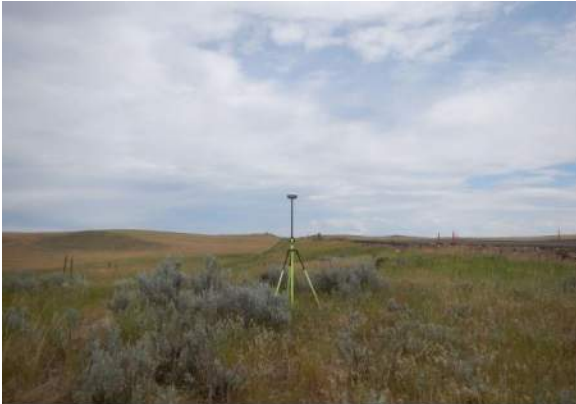
3234_2019_WY, 3W, 20190924



3234_2019_WY, 3N, 20190924







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3235_2019_WY	Northing (m) 2327814.584	Easting (m) -806761.428	Elevation (m) 1522.218
Point Type VVA	Latitude (Local) N43°33'32.41138"	Longitude (Local) W106°02'56.15204"	Ellipsoid Height (m) 1507.760
Location Photo  NORTH			
 3235_2019_WY, 3S, 20190729	 3235_2019_WY, 3E, 20190729		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3236_2019_WY	Northing (m) 2327563.077	Easting (m) -811827.771	Elevation (m) 1611.692
Point Type VVA	Latitude (Local) N43°33'07.04327"	Longitude (Local) W106°06'40.43214"	Ellipsoid Height (m) 1597.374
Location Photo  NORTH			
 <p>3236_2019_WY, 3SW, 20190729</p>		 <p>3236_2019_WY, 3NW, 20190729</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3237_2019_WY	Northing (m) 2323476.433	Easting (m) -816489.037	Elevation (m) 1659.782
Point Type VVA	Latitude (Local) N43°30'39.97323"	Longitude (Local) W106°09'48.32427"	Ellipsoid Height (m) 1645.633
Location Photo  NORTH			
 <p>3237_2019_WY, 3SW, 20190729</p>		 <p>3237_2019_WY, 3SE, 20190729</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3238_2019_WY	Northing (m) 2321101.159	Easting (m) -819376.856	Elevation (m) 1555.962
Point Type VVA	Latitude (Local) N43°29'13.84598"	Longitude (Local) W106°11'45.36720"	Ellipsoid Height (m) 1541.895
Location Photo  NORTH			
 3238_2019_WY, 3SE, 20190729	 3238_2019_WY, 3NE, 20190729		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3239_2019_WY	Northing (m) 2339935.293	Easting (m) -817894.134	Elevation (m) 1443.437
Point Type VVA	Latitude (Local) N43°39'22.99960"	Longitude (Local) W106°12'09.68769"	Ellipsoid Height (m) 1429.161
Location Photo  NORTH			
 <p>3239_2019_WY, 3NW, 20190728</p>		 <p>3239_2019_WY, 3NE, 20190728</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3240_2019_WY	Northing (m) 2343593.855	Easting (m) -851757.362	Elevation (m) 1454.727
Point Type VVA	Latitude (Local) N43°39'20.83662"	Longitude (Local) W106°37'36.30953"	Ellipsoid Height (m) 1441.756
Location Photo  NORTH			
 <p>3240_2019_WY, 3SW, 20190801</p>		 <p>3240_2019_WY, 3NW, 20190801</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3241_2019_WY	Northing (m) 2329945.767	Easting (m) -892843.419	Elevation (m) 2475.025
Point Type VVA	Latitude (Local) N43°29'32.19742"	Longitude (Local) W107°06'53.87205"	Ellipsoid Height (m) 2464.079
Location Photo  NORTH			
 <p>3241_2019_WY, 3W, 20190802</p>		 <p>3241_2019_WY, 3N, 20190802</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3242_2019_WY	Northing (m) 2371311.536	Easting (m) -857510.503	Elevation (m) 1681.365
Point Type VVA	Latitude (Local) N43°53'48.78023"	Longitude (Local) W106°44'12.58757"	Ellipsoid Height (m) 1669.162
Location Photo  NORTH			
 <p>3242_2019_WY, 3W, 20190925</p>		 <p>3242_2019_WY, 3S, 20190925</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW	
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350	Geoid GEOID12B (Conus)
Station ID 3243_2019_WY	Northing (m) 2374638.224	Easting (m) -879937.535	Elevation (m) 2404.874	
Point Type VVA	Latitude (Local) N43°54'12.77133"	Longitude (Local) W107°01'11.88409"	Ellipsoid Height (m) 2394.883	
Location Photo  NORTH				
 <p>3243_2019_WY, 3N, 20190924</p>		 <p>3243_2019_WY, 3E, 20190924</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3244_2019_WY	Northing (m) 2387127.636	Easting (m) -882316.469	Elevation (m) 2547.035
Point Type VVA	Latitude (Local) N44°00'44.30154"	Longitude (Local) W107°04'03.45539"	Ellipsoid Height (m) 2537.553
Location Photo  NORTH			
 <p>3244_2019_WY, SW, 20190924</p>		 <p>3244_2019_WY, NE, 20190924</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3245_2019_WY	Northing (m) 2400768.654	Easting (m) -873447.092	Elevation (m) 2537.741
Point Type VVA	Latitude (Local) N44°08'34.91112"	Longitude (Local) W106°58'37.33545"	Ellipsoid Height (m) 2528.342
Location Photo  NORTH			
 <p>3245_2019_WY, 3W, 20190924</p>		 <p>3245_2019_WY, 3N, 20190924</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3246_2019_WY	Northing (m) 2402479.343	Easting (m) -881587.497	Elevation (m) 2937.811
Point Type VVA	Latitude (Local) N44°08'59.34209"	Longitude (Local) W107°04'51.30197"	Ellipsoid Height (m) 2929.011
Location Photo  NORTH			
 <p>3246_2019_WY, 3W, 20190924</p>	 <p>3246_2019_WY, 3S, 20190924</p>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3247_2019_WY	Northing (m) 2419991.204	Easting (m) -856400.555	Elevation (m) 1647.069
Point Type VVA	Latitude (Local) N44°19'54.60283"	Longitude (Local) W106°47'31.09983"	Ellipsoid Height (m) 1635.458
Location Photo  NORTH			







3247_2019_WY, 3S, 20190807



3247_2019_WY, 3E, 20190807



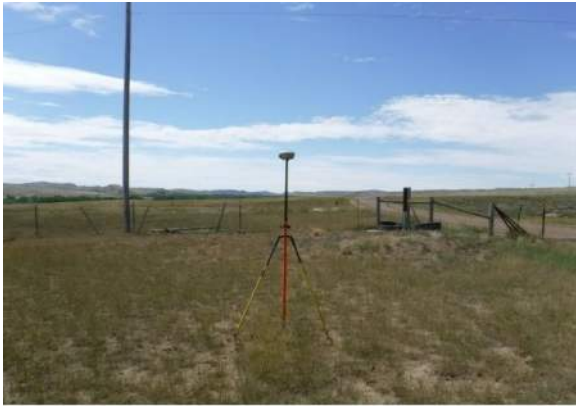



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3248_2019_WY	Northing (m) 2415057.482	Easting (m) -806355.807	Elevation (m) 1185.494
Point Type VVA	Latitude (Local) N44°20'14.03856"	Longitude (Local) W106°09'34.75335"	Ellipsoid Height (m) 1170.867
Location Photo  NORTH			
 3248_2019_WY, 3W, 20190801	 3248_2019_WY, 3N, 20190801		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3249_2019_WY	Northing (m) 2407563.721	Easting (m) -806378.873	Elevation (m) 1212.475
Point Type VVA	Latitude (Local) N44°16'13.27768"	Longitude (Local) W106°08'59.62672"	Ellipsoid Height (m) 1197.878
Location Photo  NORTH			
 3249_2019_WY, 3S, 20190801	 3249_2019_WY, 3E, 20190801		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3250_2019_WY	Northing (m) 2438990.305	Easting (m) -799039.139	Elevation (m) 1146.953
Point Type VVA	Latitude (Local) N44°33'28.10801"	Longitude (Local) W106°06'00.31922"	Ellipsoid Height (m) 1132.031
Location Photo  NORTH			
 <p>3250_2019_WY, 3S, 20190731</p>		 <p>3250_2019_WY, 3E, 20190731</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3251_2019_WY	Northing (m) 2431934.569	Easting (m) -801903.471	Elevation (m) 1151.407
Point Type VVA	Latitude (Local) N44°29'31.54661"	Longitude (Local) W106°07'35.59387"	Ellipsoid Height (m) 1136.576
Location Photo  NORTH			
 <p>3251_2019_WY, 3S, 20190731</p>		 <p>3251_2019_WY, 3E, 20190731</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3252_2019_MT	Northing (m) 2506474.398	Easting (m) -703852.462	Elevation (m) 1051.277
Point Type VVA	Latitude (Local) N45°14'48.50594"	Longitude (Local) W104°59'05.56613"	Ellipsoid Height (m) 1036.519
Location Photo  NORTH			
 <p>3252_2019_MT,3N, 20190803</p>		 <p>3252_2019_MT,3E, 20190803</p>	




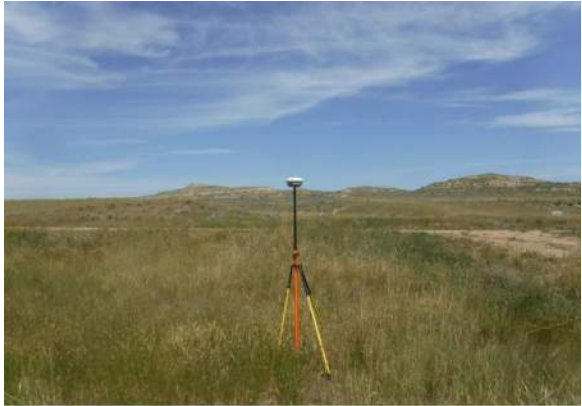


GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW	
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350	Geoid GEOID12B (Conus)
Station ID 3253_2019_MT	Northing (m) 2512222.574	Easting (m) -700900.771	Elevation (m) 1160.729	
Point Type VVA	Latitude (Local) N45°18'02.76714"	Longitude (Local) W104°57'15.53978"	Ellipsoid Height (m) 1145.874	
Location Photo  NORTH				
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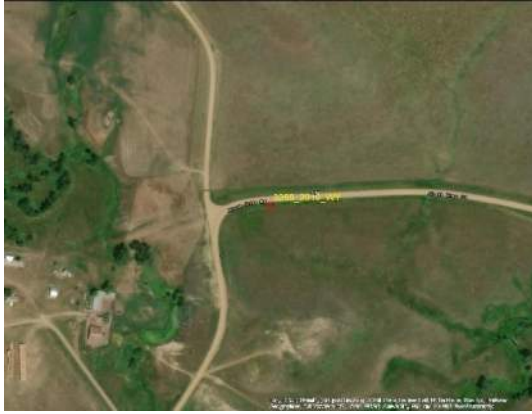




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3254_2019_WY	Northing (m) 2431576.286	Easting (m) -810760.727	Elevation (m) 1180.037
Point Type VVA	Latitude (Local) N44°28'49.42908"	Longitude (Local) W106°14'13.41758"	Ellipsoid Height (m) 1165.244
Location Photo  NORTH			
 <p>3254_2019_WY, 3W, 20190731</p>		 <p>3254_2019_WY, 3N, 20190731</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3255_2019_WY	Northing (m) 2484752.491	Easting (m) -708451.286	Elevation (m) 1211.603
Point Type VVA	Latitude (Local) N45°02'54.60014"	Longitude (Local) W105°01'01.20943"	Ellipsoid Height (m) 1197.132
Location Photo  NORTH			
 <p>3255_2019_MT,3N, 20190803</p>		 <p>3255_2019_MT,3E, 20190803</p>	


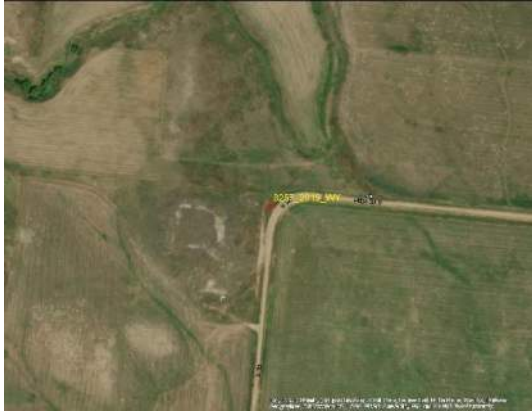




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3256_2019_WY	Northing (m) 2484457.115	Easting (m) -705052.762	Elevation (m) 1197.452
Point Type VVA	Latitude (Local) N45°02'55.47866"	Longitude (Local) W104°58'25.14126"	Ellipsoid Height (m) 1183.004
Location Photo  NORTH			
 <p>3256_2019_MT,3N, 20190803</p>	 <p>3256_2019_MT,3E, 20190803</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3257_2019_WY	Northing (m) 2479446.892	Easting (m) -709661.439	Elevation (m) 1226.530
Point Type VVA	Latitude (Local) N45°00'00.00857"	Longitude (Local) W105°01'33.30621"	Ellipsoid Height (m) 1212.076
Location Photo  NORTH			
 <p>3257_2019_MT,3N, 20190803</p>		 <p>3257_2019_MT,3E, 20190803</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3258_2019_WY	Northing (m) 2472033.704	Easting (m) -714343.640	Elevation (m) 1193.098
Point Type VVA	Latitude (Local) N44°55'46.88447"	Longitude (Local) W105°04'34.07358"	Ellipsoid Height (m) 1178.615
Location Photo  NORTH			
 <p>3258_2019_MT,3N, 20190803</p>		 <p>3258_2019_MT,3E, 20190803</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3259_2019_WY	Northing (m) 2463312.727	Easting (m) -647306.934	Elevation (m) 1048.769
Point Type VVA	Latitude (Local) N44°54'23.00648"	Longitude (Local) W104°13'09.47142"	Ellipsoid Height (m) 1033.831
Location Photo  NORTH			
			
<small>3259_2019_WY, 3N, 20190723</small>	<small>3259_2019_WY, 3E, 20190723</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3260_2019_SD	Northing (m) 2451364.586	Easting (m) -635061.849	Elevation (m) 970.828
Point Type VVA	Latitude (Local) N44°48'31.87027"	Longitude (Local) W104°03'06.26935"	Ellipsoid Height (m) 955.709
Location Photo  NORTH			
			
<small>3260_2019_SD, 3W, 20190723</small>	<small>3260_2019_SD, 3S, 20190723</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3261_2019_WY	Northing (m) 2449584.163	Easting (m) -642342.624	Elevation (m) 966.207
Point Type VVA	Latitude (Local) N44°47'14.47236"	Longitude (Local) W104°08'30.02739"	Ellipsoid Height (m) 951.312
Location Photo  NORTH			
 <p>3261_2019_WY, 3W, 20190723</p>		 <p>3261_2019_WY, 3N, 20190723</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3262_2019_WY	Northing (m) 2452884.850	Easting (m) -646450.771	Elevation (m) 977.570
Point Type VVA	Latitude (Local) N44°48'49.40535"	Longitude (Local) W104°11'49.51536"	Ellipsoid Height (m) 962.734
Location Photo  NORTH			
 <p>3262_2019_WY, 3W, 20190723</p>		 <p>3262_2019_WY, 3N, 20190723</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3263_2019_WY	Northing (m) 2452412.333	Easting (m) -652343.199	Elevation (m) 1079.370
Point Type VVA	Latitude (Local) N44°48'17.69404"	Longitude (Local) W104°16'15.27319"	Ellipsoid Height (m) 1064.697
Location Photo  NORTH			





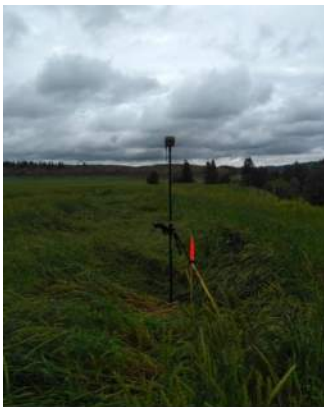
3263_2019_WY, 3S, 20190721





3263_2019_WY, 3E, 20190721







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3264_2019_WY	Northing (m) 2452233.504	Easting (m) -668025.350	Elevation (m) 1112.102
Point Type VVA	Latitude (Local) N44°47'27.33021"	Longitude (Local) W104°28'06.59781"	Ellipsoid Height (m) 1097.721
Location Photo  NORTH			
			
<p>3264_2019_WY, 3N, 20190721</p>			

 GCP OBSERVATION LOG				
Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW	
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350	Geoid GEOID12B (Conus)
Station ID 3265_2019_WY	Northing (m) 2443055.197	Easting (m) -678025.617	Elevation (m) 1140.429	
Point Type VVA	Latitude (Local) N44°42'02.79552"	Longitude (Local) W104°35'02.78315"	Ellipsoid Height (m) 1126.270	
Location Photo  NORTH				







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3266_2019_WY	Northing (m) 2448722.463	Easting (m) -698554.752	Elevation (m) 1345.392
Point Type VVA	Latitude (Local) N44°44'04.45865"	Longitude (Local) W104°50'57.11804"	Ellipsoid Height (m) 1331.125
Location Photo  NORTH			
			
<small>3266_2019_WY,3N, 20190722</small>	<small>3266_2019_WY,3E, 20190722</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3267_2019_WY	Northing (m) 2445893.504	Easting (m) -702886.485	Elevation (m) 1216.995
Point Type VVA	Latitude (Local) N44°42'20.33552"	Longitude (Local) W104°54'01.46624"	Ellipsoid Height (m) 1202.639
Location Photo  NORTH			
			
<small>3267_2019_WY, 3N, 20190725</small>	<small>3267_2019_WY, 3E, 20190725</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3268_2019_WY	Northing (m) 2444379.564	Easting (m) -704333.517	Elevation (m) 1186.111
Point Type VVA	Latitude (Local) N44°41'27.22713"	Longitude (Local) W104°55'00.58735"	Ellipsoid Height (m) 1171.729
Location Photo  NORTH			
 <p>3268_2019_WY, 3W, 20190725</p>		 <p>3268_2019_WY, 3N, 20190725</p>	



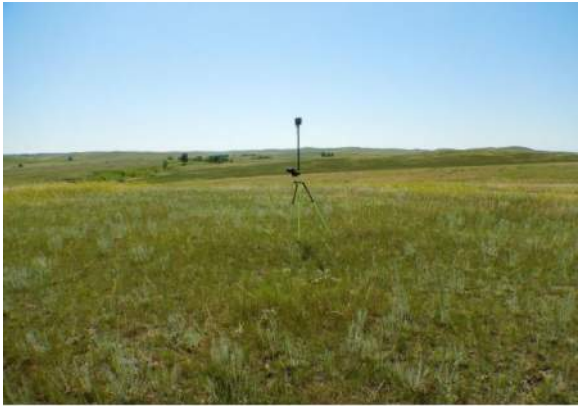
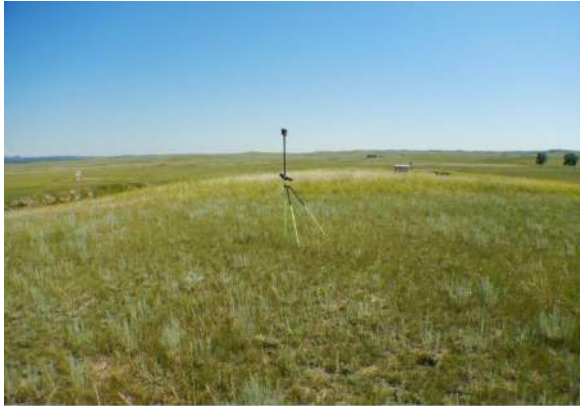


GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3269_2019_WY	Northing (m) 2442940.307	Easting (m) -705389.301	Elevation (m) 1222.456
Point Type VVA	Latitude (Local) N44°40'37.70379"	Longitude (Local) W104°55'42.27852"	Ellipsoid Height (m) 1208.061
Location Photo  NORTH			
 <p>3269_2019_WY, 3N, 20190725</p>		 <p>3269_2019_WY, 3E, 20190725</p>	


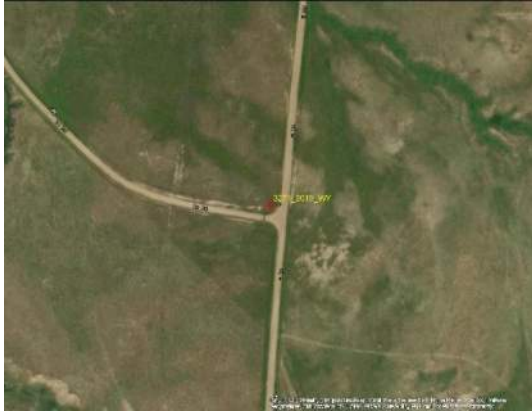
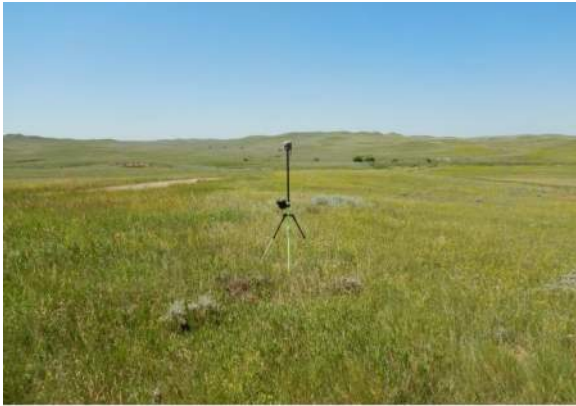



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3270_2019_WY	Northing (m) 2445417.446	Easting (m) -706125.059	Elevation (m) 1210.019
Point Type VVA	Latitude (Local) N44°41'55.19902"	Longitude (Local) W104°56'26.19514"	Ellipsoid Height (m) 1195.593
Location Photo  NORTH			
 <p>3270_2019_WY, 3W, 20190725</p>		 <p>3270_2019_WY, 3S, 20190725</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3271_2019_WY	Northing (m) 2442507.790	Easting (m) -712247.215	Elevation (m) 1249.226
Point Type VVA	Latitude (Local) N44°40'02.88645"	Longitude (Local) W105°00'51.04520"	Ellipsoid Height (m) 1234.694
Location Photo  NORTH			
 <p>3271_2019_WY, 3W, 20190725</p>		 <p>3271_2019_WY, 3N, 20190725</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3272_2019_WY	Northing (m) 2443031.555	Easting (m) -713374.712	Elevation (m) 1252.009
Point Type VVA	Latitude (Local) N44°40'16.28707"	Longitude (Local) W105°01'44.36776"	Ellipsoid Height (m) 1237.456
Location Photo  NORTH			
			
<small>3272_2019_WY, 3N, 20190725</small>	<small>3272_2019_WY, 3E, 20190725</small>		





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3273_2019_WY	Northing (m) 2444958.216	Easting (m) -716098.809	Elevation (m) 1232.582
Point Type VVA	Latitude (Local) N44°41'09.91839"	Longitude (Local) W105°03'56.08808"	Ellipsoid Height (m) 1217.986
Location Photo  NORTH			
 3273_2019_WY, 3W, 20190725	 3273_2019_WY, 3N, 20190725		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3274_2019_WY	Northing (m) 2445117.517	Easting (m) -716951.897	Elevation (m) 1221.402
Point Type VVA	Latitude (Local) N44°41'12.41642"	Longitude (Local) W105°04'35.42285"	Ellipsoid Height (m) 1206.795
Location Photo  NORTH			






3274_2019_WY, 3N, 20190725



3274_2019_WY, 3E, 20190725







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3275_2019_WY	Northing (m) 2445178.025	Easting (m) -717649.031	Elevation (m) 1224.749
Point Type VVA	Latitude (Local) N44°41'12.21336"	Longitude (Local) W105°05'07.26477"	Ellipsoid Height (m) 1210.135
Location Photo  NORTH			
 <p>3275_2019_WY, 3S, 20190725</p>		 <p>3275_2019_WY, 3E, 20190725</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3276_2019_WY	Northing (m) 2438925.553	Easting (m) -705701.001	Elevation (m) 1236.651
Point Type VVA	Latitude (Local) N44°38'27.54878"	Longitude (Local) W104°55'39.26313"	Ellipsoid Height (m) 1222.280
Location Photo  NORTH			
 <p>3276_2019_WY, 3N, 20190725</p>		 <p>3276_2019_WY, 3E, 20190725</p>	



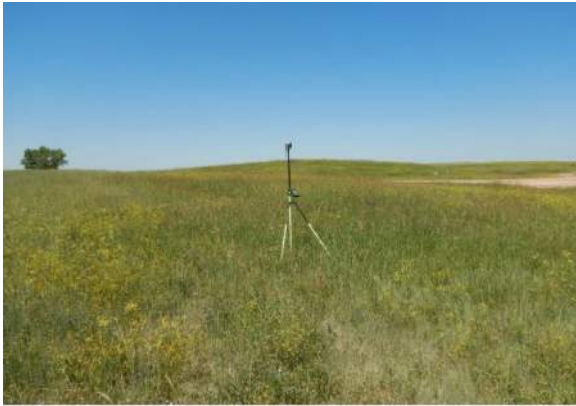



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3277_2019_WY	Northing (m) 2427607.895	Easting (m) -709045.888	Elevation (m) 1315.250
Point Type VVA	Latitude (Local) N44°32'13.20772"	Longitude (Local) W104°57'22.26555"	Ellipsoid Height (m) 1300.915
Location Photo  NORTH			
 3277_2019_WY, 3W, 20190724	 3277_2019_WY, 3S, 20190724		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3277A_2019_WY	Northing (m) 2427613.162	Easting (m) -709051.928	Elevation (m) 1315.396
Point Type VVA	Latitude (Local) N44°32'13.35882"	Longitude (Local) W104°57'22.56109"	Ellipsoid Height (m) 1301.060
Location Photo  NORTH			
 <p>3277A_2019_WY, 3N, 20190725</p>		 <p>3277A_2019_WY, 3E, 20190725</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3278_2019_WY	Northing (m) 2424456.022	Easting (m) -709600.964	Elevation (m) 1287.575
Point Type VVA	Latitude (Local) N44°30'30.11344"	Longitude (Local) W104°57'33.88495"	Ellipsoid Height (m) 1273.254
Location Photo  NORTH			
 <p>3278_2019_WY, 3N, 20190725</p>		 <p>3278_2019_WY, 3E, 20190725</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3278A_2019_WY	Northing (m) 2416093.419	Easting (m) -710691.995	Elevation (m) 1323.656
Point Type VVA	Latitude (Local) N44°25'57.77294"	Longitude (Local) W104°57'47.43822"	Ellipsoid Height (m) 1309.357
Location Photo  NORTH			
			
<small>3278A_2019_WY, 3S, 20190724</small>	<small>3278A_2019_WY, 3E, 20190724</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3279_2019_WY	Northing (m) 2421907.681	Easting (m) -688646.931	Elevation (m) 1274.749
Point Type VVA	Latitude (Local) N44°30'10.91789"	Longitude (Local) W104°41'36.26959"	Ellipsoid Height (m) 1260.831
Location Photo  NORTH			
 <p>3279_2019_WY, 3W, 20190722</p>		 <p>3279_2019_WY, 3S, 20190722</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3280_2019_WY	Northing (m) 2420873.132	Easting (m) -697213.085	Elevation (m) 1249.118
Point Type VVA	Latitude (Local) N44°29'12.18704"	Longitude (Local) W104°47'59.01798"	Ellipsoid Height (m) 1235.081
Location Photo  NORTH			
 <p>3280_2019_WY, 3N, 20190722</p>		 <p>3280_2019_WY, 3E, 20190722</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3281_2019_WY	Northing (m) 2418684.494	Easting (m) -697879.347	Elevation (m) 1334.662
Point Type VVA	Latitude (Local) N44°27'59.77633"	Longitude (Local) W104°48'19.92983"	Ellipsoid Height (m) 1320.631
Location Photo  NORTH			




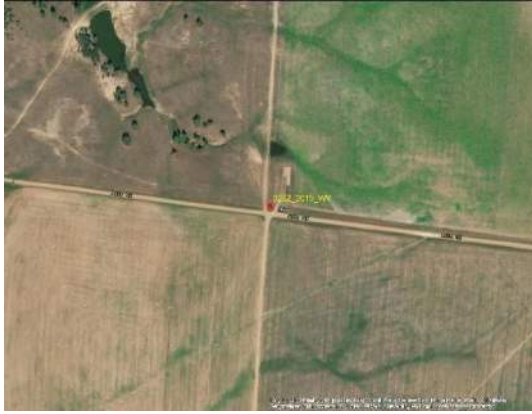


3281_2019_WY, 3W, 20190724



3281_2019_WY, 3N, 20190724





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3282_2019_WY	Northing (m) 2416694.524	Easting (m) -698459.427	Elevation (m) 1322.547
Point Type VVA	Latitude (Local) N44°26'54.01728"	Longitude (Local) W104°48'37.77211"	Ellipsoid Height (m) 1308.509
Location Photo  NORTH			
 <p>3282_2010_WY, 3W, 20190724</p>		 <p>3282_2010_WY, 3N, 20190724</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3283_2019_WY	Northing (m) 2415078.926	Easting (m) -700973.867	Elevation (m) 1306.169
Point Type VVA	Latitude (Local) N44°25'54.50669"	Longitude (Local) W104°50'24.49398"	Ellipsoid Height (m) 1292.085
Location Photo  NORTH			







3283_2019_WY, 3W, 20190724



3283_2019_WY, 3S, 20190724





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW	
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350	Geoid GEOID12B (Conus)
Station ID 3284_2019_WY	Northing (m) 2413782.982	Easting (m) -703417.774	Elevation (m) 1267.340	
Point Type VVA	Latitude (Local) N44°25'05.46975"	Longitude (Local) W104°52'09.33100"	Ellipsoid Height (m) 1253.193	
Location Photo  NORTH				
 <p>3284_2019_WY, 3S, 20190724</p>		 <p>3284_2019_WY, 3E, 20190724</p>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3285_2019_WY	Northing (m) 2409456.145	Easting (m) -705524.559	Elevation (m) 1262.327
Point Type VVA	Latitude (Local) N44°22'39.93666"	Longitude (Local) W104°53'26.08474"	Ellipsoid Height (m) 1248.120
Location Photo  NORTH			







3285_2019_WY, 3S, 20190724



3285_2019_WY, 3E, 20190724







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3286_2019_WY	Northing (m) 2408470.142	Easting (m) -706028.038	Elevation (m) 1257.312
Point Type VVA	Latitude (Local) N44°22'06.70186"	Longitude (Local) W104°53'44.61709"	Ellipsoid Height (m) 1243.089
Location Photo  NORTH			
 <p>3286_2019_WY, 3W, 20190724</p>		 <p>3286_2019_WY, 3N, 20190724</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3287_2019_WY	Northing (m) 2406912.474	Easting (m) -707801.625	Elevation (m) 1256.499
Point Type VVA	Latitude (Local) N44°21'11.23959"	Longitude (Local) W104°54'57.98476"	Ellipsoid Height (m) 1242.234
Location Photo  NORTH			
 <p>3287_2019_WY, 3SW, 20190724</p>		 <p>3287_2019_WY, 3NW, 20190724</p>	




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3288_2019_WY	Northing (m) 2403408.256	Easting (m) -707956.170	Elevation (m) 1265.853
Point Type VVA	Latitude (Local) N44°19'18.06925"	Longitude (Local) W104°54'50.09021"	Ellipsoid Height (m) 1251.571
Location Photo  NORTH			
 <p>3288_2019_WY, 3S, 20190724</p>		 <p>3288_2019_WY, 3E, 20190724</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3289_2019_WY	Northing (m) 2402948.101	Easting (m) -713259.711	Elevation (m) 1264.078
Point Type VVA	Latitude (Local) N44°18'47.16593"	Longitude (Local) W104°58'47.09979"	Ellipsoid Height (m) 1249.714
Location Photo  NORTH			







3289_2019_WY, 3N, 20190724



3289_2019_WY, 3E, 20190724


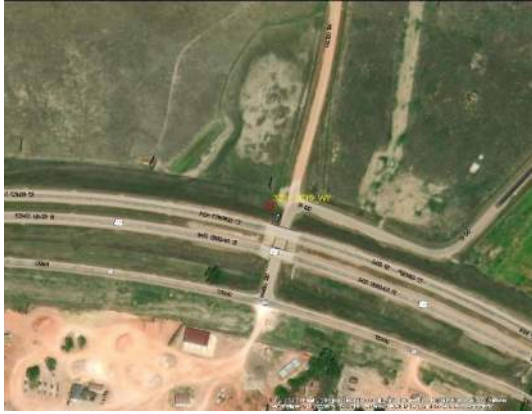




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3290_2019_WY	Northing (m) 2401310.626	Easting (m) -713604.161	Elevation (m) 1267.215
Point Type VVA	Latitude (Local) N44°17'53.45843"	Longitude (Local) W104°58'55.62487"	Ellipsoid Height (m) 1252.837
Location Photo  NORTH			
 <p style="text-align: center;">3290_2019_WY, 3N, 20190724</p>	 <p style="text-align: center;">3290_2019_WY, 3E, 20190724</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3291_2019_WY	Northing (m) 2399503.576	Easting (m) -714697.390	Elevation (m) 1268.702
Point Type VVA	Latitude (Local) N44°16'52.01529"	Longitude (Local) W104°59'37.14133"	Ellipsoid Height (m) 1254.301
Location Photo  NORTH			
 <p>3291_2019_WY,3S, 20190724</p>	 <p>3291_2019_WY,3N, 20190724</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3292_2019_WY	Northing (m) 2400416.832	Easting (m) -719586.955	Elevation (m) 1298.964
Point Type VVA	Latitude (Local) N44°17'06.40525"	Longitude (Local) W105°03'21.24455"	Ellipsoid Height (m) 1284.531
Location Photo  NORTH			
 <p>3292_2019_WY,3N, 20190724</p>		 <p>3292_2019_WY,3E, 20190724</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3293_2019_WY	Northing (m) 2400306.419	Easting (m) -720329.413	Elevation (m) 1284.212
Point Type VVA	Latitude (Local) N44°17'00.57208"	Longitude (Local) W105°03'54.20270"	Ellipsoid Height (m) 1269.774
Location Photo  NORTH			
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GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3294_2019_WY	Northing (m) 2400483.685	Easting (m) -684181.067	Elevation (m) 1302.006
Point Type VVA	Latitude (Local) N44°18'54.71913"	Longitude (Local) W104°36'46.43111"	Ellipsoid Height (m) 1288.130
Location Photo  NORTH			







3294_2019_WY, 3N, 20190724



3294_2019_WY, 3E, 20190724





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3294A_2019_WY	Northing (m) 2392402.439	Easting (m) -672761.341	Elevation (m) 1398.638
Point Type VVA	Latitude (Local) N44°15'07.83405"	Longitude (Local) W104°27'39.13646"	Ellipsoid Height (m) 1384.911
Location Photo  NORTH			
 <p style="text-align: center; font-size: small;">3294A_2019_WY, 3N, 20190723</p>	 <p style="text-align: center; font-size: small;">3294A_2019_WY, 3E, 20190723</p>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3295_2019_WY	Northing (m) 2396239.752	Easting (m) -666852.677	Elevation (m) 1483.918
Point Type VVA	Latitude (Local) N44°17'28.19037"	Longitude (Local) W104°23'28.31699"	Ellipsoid Height (m) 1470.288
Location Photo  NORTH			







3295_2019_WY, 3S, 20190723



3295_2019_WY, 3E, 20190723







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3295A_2019_WY	Northing (m) 2400554.708	Easting (m) -684492.481	Elevation (m) 1304.522
Point Type VVA	Latitude (Local) N44°18'56.09329"	Longitude (Local) W104°37'00.75791"	Ellipsoid Height (m) 1290.642
Location Photo  NORTH			
			
3295A_2019_WY, 3W, 20190724	3295A_2019_WY, 3N, 20190724		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3296_2019_WY	Northing (m) 2403172.337	Easting (m) -672544.553	Elevation (m) 1468.141
Point Type VVA	Latitude (Local) N44°20'54.96242"	Longitude (Local) W104°28'12.71814"	Ellipsoid Height (m) 1454.474
Location Photo  NORTH			
 <p>3296_2019_WY, 3W, 20190720</p>		 <p>3296_2019_WY, 3S, 20190720</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3297_2019_WY	Northing (m) 2407478.287	Easting (m) -666269.750	Elevation (m) 1480.589
Point Type VVA	Latitude (Local) N44°23'31.48968"	Longitude (Local) W104°23'46.91109"	Ellipsoid Height (m) 1466.985
Location Photo  NORTH			
 <p>3297_2019_WY, 3S, 20190720</p>	 <p>3297_2019_WY, 3E, 20190720</p>		




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3298_2019_WY	Northing (m) 2407650.826	Easting (m) -666884.495	Elevation (m) 1496.009
Point Type VVA	Latitude (Local) N44°23'35.28897"	Longitude (Local) W104°24'15.34579"	Ellipsoid Height (m) 1482.407
Location Photo  NORTH			
 <p>3298_2019_WY, 3N, 20190720</p>		 <p>3298_2019_WY, 3E, 20190720</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3299_2019_WY	Northing (m) 2409700.240	Easting (m) -661978.051	Elevation (m) 1413.081
Point Type VVA	Latitude (Local) N44°24'55.19687"	Longitude (Local) W104°20'42.03929"	Ellipsoid Height (m) 1399.439
Location Photo  NORTH			
 <p>3299_2019_WY, 3N, 20190720</p>		 <p>3299_2019_WY, 3E, 20190720</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3300_2019_WY	Northing (m) 2411769.532	Easting (m) -657781.536	Elevation (m) 1362.528
Point Type VVA	Latitude (Local) N44°26'13.65499"	Longitude (Local) W104°17'40.73636"	Ellipsoid Height (m) 1348.815
Location Photo  NORTH			
 <p>3300_2019_WY, 3N, 20190720</p>		 <p>3300_2019_WY, 3E, 20190720</p>	







GCP OBSERVATION LOG

Project Number 79935		Project Name WY FEMA East Lidar		Company Woolpert		Field Operator DM/EN/NP/SH/BW	
Coordinate System Albers Equal Area (ESPG 6350)		Hor. Datum NAD 1983 (Conus)		Ver. Datum NAVD88		Zone Albers Equal Area ESPG 6350	
Station ID 3301_2019_WY		Northing (m) 2411820.598		Easting (m) -658101.140		Elevation (m) 1362.074	
Point Type VVA		Latitude (Local) N44°26'14.39830"		Longitude (Local) W104°17'55.37347"		Ellipsoid Height (m) 1348.364	
Location Photo  NORTH							
							
3301_2019_WY, 3N, 20190720				3301_2019_WY, 3E, 20190720			




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3302_2019_WY	Northing (m) 2414217.923	Easting (m) -655412.725	Elevation (m) 1341.879
Point Type VVA	Latitude (Local) N44°27'39.12751"	Longitude (Local) W104°16'03.38924"	Ellipsoid Height (m) 1328.090
Location Photo  NORTH			
			
<small>3302_2019_WY, 3N, 20190720</small>	<small>3302_2019_WY, 3E, 20190720</small>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3303_2019_WY	Northing (m) 2422306.025	Easting (m) -641362.918	Elevation (m) 1080.059
Point Type VVA	Latitude (Local) N44°32'38.57828"	Longitude (Local) W104°05'59.70943"	Ellipsoid Height (m) 1065.710
Location Photo  NORTH			



3303_2019_WY, 3N, 20190720



3303_2019_WY, 3E, 20190720



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3304_2019_WY	Northing (m) 2422361.503	Easting (m) -640373.977	Elevation (m) 1070.565
Point Type VVA	Latitude (Local) N44°32'43.08345"	Longitude (Local) W104°05'15.17809"	Ellipsoid Height (m) 1056.184
Location Photo  NORTH			



3304_2019_WY, 3N, 20190720



3304_2019_WY, 3E, 20190720



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3305_2019_WY	Northing (m) 2419097.659	Easting (m) -638126.235	Elevation (m) 1139.667
Point Type VVA	Latitude (Local) N44°31'04.14744"	Longitude (Local) W104°03'20.92341"	Ellipsoid Height (m) 1125.339
Location Photo  NORTH			







3305_2019_WY, 3N 20190720



3305_2019_WY, 3E, 20190720







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3306_2019_WY	Northing (m) 2419014.283	Easting (m) -640823.692	Elevation (m) 1104.817
Point Type VVA	Latitude (Local) N44°30'54.06673"	Longitude (Local) W104°05'22.60285"	Ellipsoid Height (m) 1090.568
Location Photo  NORTH			
 <p>3306_2019_WY, 3N, 20190720</p>		 <p>3306_2019_WY, 3E, 20190720</p>	



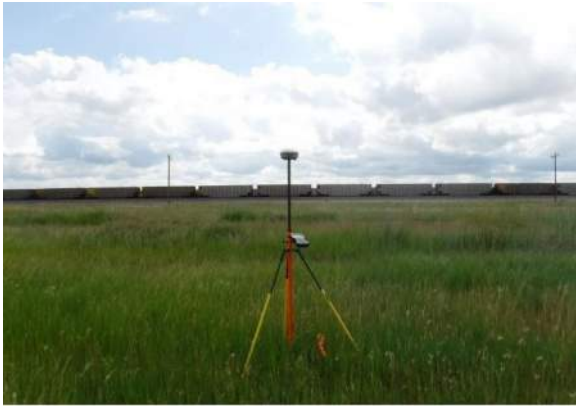



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3307_2019_WY	Northing (m) 2377247.323	Easting (m) -687422.023	Elevation (m) 1297.923
Point Type VVA	Latitude (Local) N44°06'17.88958"	Longitude (Local) W104°37'37.17056"	Ellipsoid Height (m) 1283.807
Location Photo  NORTH			
 <p>3307_2019_WY, 3W, 20190721</p>		 <p>3307_2019_WY, 3S, 20190721</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3308_2019_WY	Northing (m) 2377590.909	Easting (m) -688698.851	Elevation (m) 1288.141
Point Type VVA	Latitude (Local) N44°06'25.19688"	Longitude (Local) W104°38'35.94726"	Ellipsoid Height (m) 1274.008
Location Photo  NORTH			
 <p>3308_2019_WY, 3S, 20190721</p>	 <p>3308_2019_WY, 3E, 20190721</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3309_2019_WY	Northing (m) 2378356.001	Easting (m) -693002.765	Elevation (m) 1324.658
Point Type VVA	Latitude (Local) N44°06'37.13656"	Longitude (Local) W104°41'52.47574"	Ellipsoid Height (m) 1310.469
Location Photo  NORTH			
 <p>3309_2019_WY, 3W, 20190721</p>	 <p>3309_2019_WY, 3N, 20190721</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3310_2019_WY	Northing (m) 2365685.292	Easting (m) -698392.092	Elevation (m) 1447.357
Point Type VVA	Latitude (Local) N43°59'33.82868"	Longitude (Local) W104°45'02.04757"	Ellipsoid Height (m) 1432.889
Location Photo  NORTH			
 3310_2019_WY, 3W, 20190721	 3310_2019_WY, 3S, 20190721		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3311_2019_WY	Northing (m) 2355893.564	Easting (m) -701796.042	Elevation (m) 1359.220
Point Type VVA	Latitude (Local) N43°54'08.98477"	Longitude (Local) W104°46'54.01937"	Ellipsoid Height (m) 1344.494
Location Photo  NORTH			
 <p style="text-align: center;">3311_2019_WY, 3S, 20190720</p>	 <p style="text-align: center;">3311_2019_WY, 3E, 20190720</p>		






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3312_2019_WY	Northing (m) 2332735.959	Easting (m) -704122.735	Elevation (m) 1327.707
Point Type VVA	Latitude (Local) N43°41'37.95164"	Longitude (Local) W104°47'02.08715"	Ellipsoid Height (m) 1312.467
Location Photo  NORTH			
 <p>3312_2019_WY, 3N, 20190719</p>		 <p>3312_2019_WY, 3E, 20190719</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3313_2019_WY	Northing (m) 2332102.831	Easting (m) -712016.285	Elevation (m) 1318.905
Point Type VVA	Latitude (Local) N43°40'53.97754"	Longitude (Local) W104°52'51.88706"	Ellipsoid Height (m) 1303.679
Location Photo  NORTH			
 <p>3313_2019_WY, 3E, 20190719</p>			







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3314_2019_WY	Northing (m) 2319778.298	Easting (m) -700213.344	Elevation (m) 1245.733
Point Type VVA	Latitude (Local) N43°34'53.30236"	Longitude (Local) W104°43'14.25509"	Ellipsoid Height (m) 1230.258
Location Photo  NORTH			
 <p>3314_2019_WY, 3W, 20190719</p>	 <p>3314_2019_WY, 3S, 20190719</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3315_2019_WY	Northing (m) 2317328.630	Easting (m) -703991.133	Elevation (m) 1344.953
Point Type VVA	Latitude (Local) N43°33'23.42428"	Longitude (Local) W104°45'52.57602"	Ellipsoid Height (m) 1329.463
Location Photo  NORTH			
 <p>3315_2019_WY, 3S, 20190719</p>		 <p>3315_2019_WY, 3E, 20190719</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3316_2019_WY	Northing (m) 2312177.749	Easting (m) -716456.580	Elevation (m) 1282.556
Point Type VVA	Latitude (Local) N43°30'00.66415"	Longitude (Local) W104°54'46.43921"	Ellipsoid Height (m) 1267.082
Location Photo  NORTH			
 <p>3316_2019_WY, 3S, 20190719</p>		 <p>3316_2019_WY, 3E, 20190719</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3317_2019_WY	Northing (m) 2298406.636	Easting (m) -659624.934	Elevation (m) 1135.749
Point Type VVA	Latitude (Local) N43°25'23.08589"	Longitude (Local) W104°11'41.34920"	Ellipsoid Height (m) 1120.751
Location Photo  NORTH			
			
<small>3317_2019_WY, 3N, 20190718</small>	<small>3317_2019_WY, 3E, 20190718</small>		






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3318_2019_WY	Northing (m) 2294852.530	Easting (m) -661520.597	Elevation (m) 1137.639
Point Type VVA	Latitude (Local) N43°23'23.63107"	Longitude (Local) W104°12'52.00490"	Ellipsoid Height (m) 1122.586
Location Photo  NORTH			
 <p>3318_2019_WY, 3N, 20190718</p>		 <p>3318_2019_WY, 3E, 20190718</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3319_2019_WY	Northing (m) 2284209.568	Easting (m) -649588.154	Elevation (m) 1181.400
Point Type VVA	Latitude (Local) N43°18'14.61007"	Longitude (Local) W104°03'20.93255"	Ellipsoid Height (m) 1166.471
Location Photo  NORTH			
 3319_2019_WY, 3N, 20190718			







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3320_2019_WY	Northing (m) 2284206.555	Easting (m) -649725.886	Elevation (m) 1183.976
Point Type VVA	Latitude (Local) N43°18'14.13726"	Longitude (Local) W104°03'27.04081"	Ellipsoid Height (m) 1169.047
Location Photo  NORTH			
 <p>3320_2019_WY, 3N, 20190718</p>		 <p>3320_2019_WY, 3E, 20190718</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3320A_2019_WY	Northing (m) 2290002.472	Easting (m) -665407.607	Elevation (m) 1160.769
Point Type VVA	Latitude (Local) N43°20'36.97833"	Longitude (Local) W104°15'26.10390"	Ellipsoid Height (m) 1145.640
Location Photo  NORTH			
 <p>3320A_2019_WY, 3N, 20190718</p>		 <p>3320A_2019_WY, 3E, 20190718</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3321_2019_WY	Northing (m) 2271074.460	Easting (m) -673117.181	Elevation (m) 1242.154
Point Type VVA	Latitude (Local) N43°10'07.40929"	Longitude (Local) W104°19'54.81641"	Ellipsoid Height (m) 1227.128
Location Photo  NORTH			
			
<small>3321_2019_WY, 3N, 20190718</small>	<small>3321_2019_WY, 3E, 20190718</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3321A_2019_WY	Northing (m) 2304598.549	Easting (m) -659631.539	Elevation (m) 1132.179
Point Type VVA	Latitude (Local) N43°28'42.01306"	Longitude (Local) W104°12'05.48345"	Ellipsoid Height (m) 1117.204
Location Photo  NORTH			
 3321A_2019_WY, 3W, 20190720	 3321A_2019_WY, 3S, 20190720		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3322_2019_WY	Northing (m) 2271904.676	Easting (m) -672696.759	Elevation (m) 1240.709
Point Type VVA	Latitude (Local) N43°10'35.25480"	Longitude (Local) W104°19'39.41131"	Ellipsoid Height (m) 1225.680
Location Photo  NORTH			
 <p>3322_2019_WY, 3W, 20190622</p>	 <p>3322_2019_WY, 3S, 20190622</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3323_2019_WY	Northing (m) 2265791.564	Easting (m) -675318.493	Elevation (m) 1249.201
Point Type VVA	Latitude (Local) N43°07'11.55826"	Longitude (Local) W104°21'11.76618"	Ellipsoid Height (m) 1234.226
Location Photo  NORTH			
 3323_2019_WY, 3N, 20190622	 3323_2019_WY, 3E, 20190622		




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3324_2019_WY	Northing (m) 2234362.262	Easting (m) -683093.409	Elevation (m) 1562.787
Point Type VVA	Latitude (Local) N42°50'00.61313"	Longitude (Local) W104°24'52.58169"	Ellipsoid Height (m) 1548.331
Location Photo  NORTH			
 3324_2019_WY, 3W, 20190624	 3324_2019_WY, 3S, 20190624		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3324A_2019_WY	Northing (m) 2261914.304	Easting (m) -676669.067	Elevation (m) 1262.762
Point Type VVA	Latitude (Local) N43°05'03.24829"	Longitude (Local) W104°21'56.43759"	Ellipsoid Height (m) 1247.847
Location Photo  NORTH			



3324A_2019_WY, 3W, 20190718



3324A_2019_WY, 3N, 20190718



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3325_2019_WY	Northing (m) 2250327.352	Easting (m) -677424.173	Elevation (m) 1339.951
Point Type VVA	Latitude (Local) N42°58'49.13346"	Longitude (Local) W104°21'44.61015"	Ellipsoid Height (m) 1325.252
Location Photo  NORTH			







3325_2019_WY, 3N, 20190621



3325_2019_WY, 3E, 20190621







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3326_2019_WY	Northing (m) 2285967.502	Easting (m) -694335.836	Elevation (m) 1238.447
Point Type VVA	Latitude (Local) N43°17'04.72976"	Longitude (Local) W104°36'35.22602"	Ellipsoid Height (m) 1222.955
Location Photo  NORTH			
 3326_2019_WY, 3N, 20190719	 3326_2019_WY, 3E, 20190719		




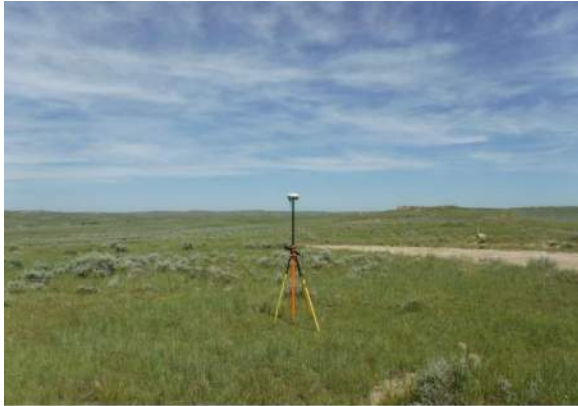


GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3327_2019_WY	Northing (m) 2286547.490	Easting (m) -705921.655	Elevation (m) 1288.543
Point Type VVA	Latitude (Local) N43°16'49.27502"	Longitude (Local) W104°45'11.89996"	Ellipsoid Height (m) 1273.036
Location Photo  NORTH			
 3327_2019_WY, 3W, 20190719	 3327_2019_WY, 3S, 20190719		




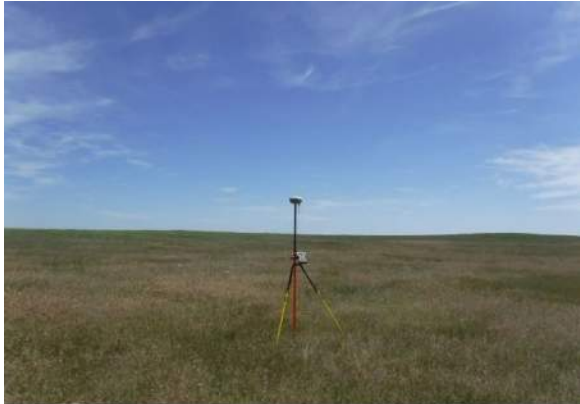


GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3328_2019_WY	Northing (m) 2288550.522	Easting (m) -706597.551	Elevation (m) 1338.057
Point Type VVA	Latitude (Local) N43°17'51.57518"	Longitude (Local) W104°45'50.12328"	Ellipsoid Height (m) 1322.551
Location Photo  NORTH			
 3328_2019_WY, 3W, 20190719	 3328_2019_WY, 3N, 20190719		



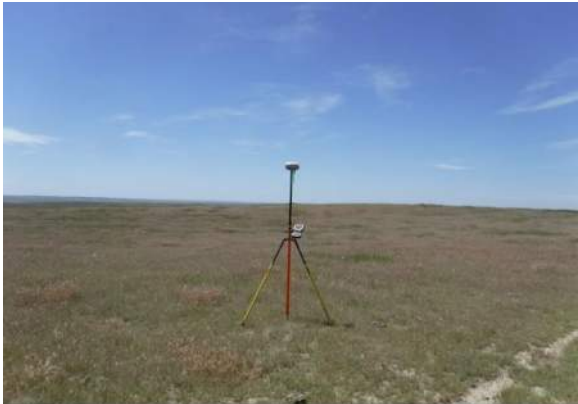



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3329_2019_WY	Northing (m) 2284547.102	Easting (m) -717315.289	Elevation (m) 1365.310
Point Type VVA	Latitude (Local) N43°15'11.00862"	Longitude (Local) W104°53'29.23391"	Ellipsoid Height (m) 1349.848
Location Photo  NORTH			
 3329_2019_WY, 3N, 20190719	 3329_2019_WY, 3E, 20190719		





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3330_2019_WY	Northing (m) 2278469.556	Easting (m) -717691.541	Elevation (m) 1383.920
Point Type VVA	Latitude (Local) N43°11'54.80632"	Longitude (Local) W104°53'20.63251"	Ellipsoid Height (m) 1368.485
Location Photo  NORTH			
 <p>3330_2019_WY, 3W, 20190719</p>		 <p>3330_2019_WY, 3N, 20190719</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3331_2019_WY	Northing (m) 2229390.011	Easting (m) -719424.572	Elevation (m) 1579.435
Point Type VVA	Latitude (Local) N42°45'34.89027"	Longitude (Local) W104°51'14.16609"	Ellipsoid Height (m) 1564.966
Location Photo  NORTH			







3331_2019_WY, 3S, 20190617



3331_2019_WY, 3E, 20190617



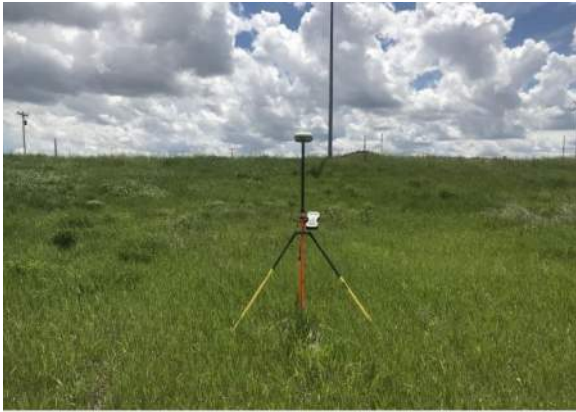



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3332_2019_WY	Northing (m) 2229016.981	Easting (m) -708390.341	Elevation (m) 1629.552
Point Type VVA	Latitude (Local) N42°45'55.74186"	Longitude (Local) W104°43'06.54131"	Ellipsoid Height (m) 1615.199
Location Photo  NORTH			
 3332_2019_WY, 3S, 20190617	 3332_2019_WY, 3E, 20190617		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3333_2019_WY	Northing (m) 2229229.205	Easting (m) -700157.322	Elevation (m) 1601.428
Point Type VVA	Latitude (Local) N42°46'26.70866"	Longitude (Local) W104°37'04.62071"	Ellipsoid Height (m) 1587.087
Location Photo  NORTH			
 <p>3333_2019_WY, 3SW, 20190616</p>	 <p>3333_2019_WY, 3NW, 20190616</p>		




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3334_2019_WY	Northing (m) 2206009.863	Easting (m) -719792.262	Elevation (m) 1519.939
Point Type VVA	Latitude (Local) N42°33'03.98021"	Longitude (Local) W104°49'54.37430"	Ellipsoid Height (m) 1505.706
Location Photo  NORTH			
 <p>3334_2019_WY, 3W, 20190620</p>		 <p>3334_2019_WY, 3N, 20190620</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3336_2019_WY	Northing (m) 2207570.149	Easting (m) -730279.455	Elevation (m) 1441.770
Point Type VVA	Latitude (Local) N42°33'22.43753"	Longitude (Local) W104°57'41.36902"	Ellipsoid Height (m) 1427.569
Location Photo ↑ NORTH			







3336_2019_WY, 3N, 20190620



3336_2019_WY, 3E, 20190620







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3337_2019_WY	Northing (m) 2207794.798	Easting (m) -730473.188	Elevation (m) 1422.584
Point Type VVA	Latitude (Local) N42°33'29.05267"	Longitude (Local) W104°57'50.81020"	Ellipsoid Height (m) 1408.382
Location Photo  NORTH			
 <p>3337_2019_WY, 3W, 20190620</p>		 <p>3337_2019_WY, 3N, 20190620</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3338_2019_WY	Northing (m) 2207470.650	Easting (m) -728530.047	Elevation (m) 1415.567
Point Type VVA	Latitude (Local) N42°33'24.54593"	Longitude (Local) W104°56'24.12929"	Ellipsoid Height (m) 1401.354
Location Photo  NORTH			
 <p>3338_2019_WY, 3N, 20190620</p>		 <p>3338_2019_WY, 3E, 20190620</p>	




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3339_2019_WY	Northing (m) 2210401.735	Easting (m) -727581.983	Elevation (m) 1420.056
Point Type VVA	Latitude (Local) N42°35'01.39376"	Longitude (Local) W104°55'54.62727"	Ellipsoid Height (m) 1405.814
Location Photo  NORTH			
 <p>3339_2019_WY, 3W, 20190620</p>		 <p>3339_2019_WY, 3N, 20190620</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3340_2019_WY	Northing (m) 2171732.479	Easting (m) -708163.418	Elevation (m) 1323.261
Point Type VVA	Latitude (Local) N42°15'19.35587"	Longitude (Local) W104°39'06.12034"	Ellipsoid Height (m) 1307.969
Location Photo ↑ NORTH			





3340_2019_WY, 3W, 20190717



3340_2019_WY, 3S, 20190717



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3341_2019_WY	Northing (m) 2128521.520	Easting (m) -760646.783	Elevation (m) 1652.142
Point Type VVA	Latitude (Local) N41°49'36.05157"	Longitude (Local) W105°14'16.17031"	Ellipsoid Height (m) 1639.392
Location Photo  NORTH			







3341_2019_WY, 3SE, 20190628



3341_2019_WY, 3NE, 20190628





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3342_2019_WY	Northing (m) 2133468.682	Easting (m) -758151.283	Elevation (m) 1604.516
Point Type VVA	Latitude (Local) N41°52'22.26896"	Longitude (Local) W105°12'48.65216"	Ellipsoid Height (m) 1591.698
Location Photo  NORTH			
 <p>3342_2019_WY, 3SW, 20190628</p>		 <p>3342_2019_WY, 3SE, 20190628</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3343_2019_WY	Northing (m) 2107189.326	Easting (m) -747545.703	Elevation (m) 1804.249
Point Type VVA	Latitude (Local) N41°38'53.41408"	Longitude (Local) W105°03'18.28137"	Ellipsoid Height (m) 1790.334
Location Photo  NORTH			





3343_2019_WY, 3W, 20190613



3343_2019_WY, 3S, 20190613



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3344_2019_WY	Northing (m) 2107095.371	Easting (m) -747305.049	Elevation (m) 1796.377
Point Type VVA	Latitude (Local) N41°38'51.14171"	Longitude (Local) W105°03'07.46146"	Ellipsoid Height (m) 1782.441
Location Photo  NORTH			





3344_2019_WY, 3W, 20190613



3344_2019_WY, 3S, 20190613



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3345_2019_WY	Northing (m) 2107200.123	Easting (m) -746926.045	Elevation (m) 1781.019
Point Type VVA	Latitude (Local) N41°38'55.65559"	Longitude (Local) W105°02'51.46762"	Ellipsoid Height (m) 1767.058
Location Photo  NORTH			







3345_2019_WY, 3W, 20190613



3345_2019_WY, 3S, 20190613





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3346_2019_WY	Northing (m) 2107943.567	Easting (m) -746037.114	Elevation (m) 1756.208
Point Type VVA	Latitude (Local) N41°39'22.18095"	Longitude (Local) W105°02'16.01101"	Ellipsoid Height (m) 1742.202
Location Photo  NORTH			
 <p>3346_2019_WY, 3SW, 20190627</p>	 <p>3346_2019_WY, 3SE, 20190627</p>		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3347_2019_WY	Northing (m) 2108160.488	Easting (m) -745323.274	Elevation (m) 1753.237
Point Type VVA	Latitude (Local) N41°39'31.30744"	Longitude (Local) W105°01'45.96243"	Ellipsoid Height (m) 1739.184
Location Photo  NORTH			




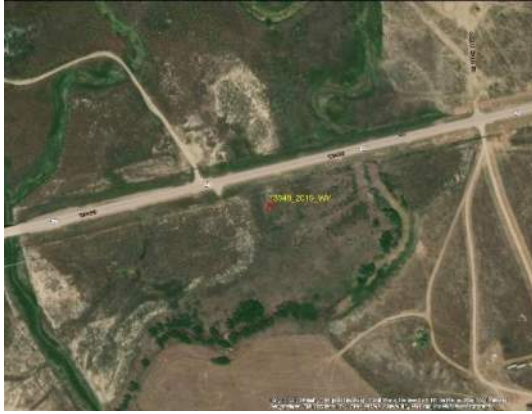


3347_2019_WY, 3N, 20190627



3347_2019_WY, 3E, 20190627







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3348_2019_WY	Northing (m) 2341892.630	Easting (m) -669610.427	Elevation (m) 1187.751
Point Type VVA	Latitude (Local) N43°48'12.55198"	Longitude (Local) W104°21'56.43822"	Ellipsoid Height (m) 1173.053
Location Photo  NORTH			
 3348_2019_WY, 3S, 20190719	 3348_2019_WY, 3E, 20190719		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3349_2019_WY	Northing (m) 2334473.734	Easting (m) -685842.725	Elevation (m) 1296.279
Point Type VVA	Latitude (Local) N43°43'27.52953"	Longitude (Local) W104°33'32.63327"	Ellipsoid Height (m) 1281.205
Location Photo  NORTH			
 <p>3349_2019_WY, 3NW, 20190720</p>		 <p>3349_2019_WY, 3NE, 20190720</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3350_2019_WY	Northing (m) 2332603.751	Easting (m) -686060.464	Elevation (m) 1314.745
Point Type VVA	Latitude (Local) N43°42'26.80725"	Longitude (Local) W104°33'34.81620"	Ellipsoid Height (m) 1299.637
Location Photo  NORTH			
 <p>3350_2019_WY, 3W, 20190720</p>		 <p>3350_2019_WY, 3N, 20190720</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3351_2019_WY	Northing (m) 2317713.793	Easting (m) -656657.831	Elevation (m) 1141.268
Point Type VVA	Latitude (Local) N43°35'51.72754"	Longitude (Local) W104°10'43.43305"	Ellipsoid Height (m) 1126.479
Location Photo  NORTH			
 <p>3351_2019_WY, 3W, 20190720</p>		 <p>3351_2019_WY, 3S, 20190720</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3352_2019_WY	Northing (m) 2119922.262	Easting (m) -736857.333	Elevation (m) 1696.657
Point Type VVA	Latitude (Local) N41°46'13.73136"	Longitude (Local) W104°56'27.03811"	Ellipsoid Height (m) 1682.198
Location Photo  NORTH			
 3352_2019_WY, 3W, 20190628	 3352_2019_WY, 3N, 20190628		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3353_2019_WY	Northing (m) 2117347.973	Easting (m) -726918.453	Elevation (m) 1610.462
Point Type VVA	Latitude (Local) N41°45'21.10248"	Longitude (Local) W104°49'04.99408"	Ellipsoid Height (m) 1595.216
Location Photo  NORTH			







3353_2019_WY, 3N, 20190612



3353_2019_WY, 3E, 20190612







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3354_2019_WY	Northing (m) 2134604.684	Easting (m) -733502.969	Elevation (m) 1544.762
Point Type VVA	Latitude (Local) N41°54'14.20086"	Longitude (Local) W104°55'01.37566"	Ellipsoid Height (m) 1530.218
Location Photo  NORTH			
 <p>3354_2019_WY,3SE, 20190629</p>	 <p>3354_2019_WY, 3NE, 20190629</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3355_2019_WY	Northing (m) 2141690.841	Easting (m) -717030.081	Elevation (m) 1558.129
Point Type VVA	Latitude (Local) N41°58'50.38919"	Longitude (Local) W104°43'32.93086"	Ellipsoid Height (m) 1542.685
Location Photo  NORTH			
 3355_2019_WY, 3W, 20190630	 3355_2019_WY, 3S, 20190630		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3356_2019_WY	Northing (m) 2176984.072	Easting (m) -756162.657	Elevation (m) 1675.814
Point Type VVA	Latitude (Local) N42°15'42.42069"	Longitude (Local) W105°14'26.73390"	Ellipsoid Height (m) 1662.923
Location Photo  NORTH			
 <p>3356_2019_WY, 3W, 20190715</p>		 <p>3356_2019_WY, 3S, 20190715</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3357_2019_WY	Northing (m) 2211175.388	Easting (m) -738856.150	Elevation (m) 1420.321
Point Type VVA	Latitude (Local) N42°34'51.85898"	Longitude (Local) W105°04'13.13196"	Ellipsoid Height (m) 1406.140
Location Photo  NORTH			
 <p>3357_2019_WY, 3S, 20190619</p>		 <p>3357_2019_WY, 3E, 20190619</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3358_2019_WY	Northing (m) 2220471.944	Easting (m) -700727.905	Elevation (m) 1676.242
Point Type VVA	Latitude (Local) N42°41'44.10259"	Longitude (Local) W104°36'54.68395"	Ellipsoid Height (m) 1662.014
Location Photo  NORTH			







3358_2019_WY, 3SW, 20190616



3358_2019_WY, 3SE, 20190616







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3359_2019_WY	Northing (m) 2252639.965	Easting (m) -949592.280	Elevation (m) 2010.553
Point Type VVA	Latitude (Local) N42°44'39.35422"	Longitude (Local) W107°41'47.79551"	Ellipsoid Height (m) 1998.128
Location Photo  NORTH			
 <p>3359_2019_WY, 3N, 20190817</p>		 <p>3359_2019_WY, 3E, 20190817</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3360_2019_WY	Northing (m) 2255280.322	Easting (m) -947749.120	Elevation (m) 1954.174
Point Type VVA	Latitude (Local) N42°46'11.05302"	Longitude (Local) W107°40'41.20031"	Ellipsoid Height (m) 1941.655
Location Photo  NORTH			
 <p>3360_2019_WY, 3N, 20190817</p>		 <p>3360_2019_WY, 3E, 20190817</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3361_2019_WY	Northing (m) 2256080.623	Easting (m) -936591.559	Elevation (m) 2079.716
Point Type VVA	Latitude (Local) N42°47'20.44885"	Longitude (Local) W107°32'35.43468"	Ellipsoid Height (m) 2067.341
Location Photo  NORTH			
 3361_2019_WY, 3W, 20190817	 3361_2019_WY, 3N, 20190817		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3362_2019_WY	Northing (m) 2267480.951	Easting (m) -949609.143	Elevation (m) 1789.089
Point Type VVA	Latitude (Local) N42°52'33.79385"	Longitude (Local) W107°43'09.28042"	Ellipsoid Height (m) 1775.850
Location Photo  NORTH			
 <p style="text-align: center; font-size: small;">3362_2019_WY, 3N, 20190817</p>	 <p style="text-align: center; font-size: small;">3362_2019_WY, 3E, 20190817</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3363_2019_WY	Northing (m) 2272671.383	Easting (m) -958140.719	Elevation (m) 1809.997
Point Type VVA	Latitude (Local) N42°54'45.77772"	Longitude (Local) W107°49'52.99812"	Ellipsoid Height (m) 1796.386
Location Photo  NORTH			
 <p>3363_2019_WY, 3W, 20190817</p>		 <p>3363_2019_WY, 3S, 20190817</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3364_2019_WY	Northing (m) 2274619.233	Easting (m) -959610.569	Elevation (m) 1737.270
Point Type VVA	Latitude (Local) N42°55'42.16869"	Longitude (Local) W107°51'08.40713"	Ellipsoid Height (m) 1723.543
Location Photo  NORTH			
 <p>3364_2019_WY, 3N, 20190817</p>		 <p>3364_2019_WY, 3E, 20190817</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3365_2019_WY	Northing (m) 2279338.307	Easting (m) -966287.208	Elevation (m) 1653.799
Point Type VVA	Latitude (Local) N42°57'46.18078"	Longitude (Local) W107°56'28.40412"	Ellipsoid Height (m) 1639.799
Location Photo  NORTH			
 3365_2019_WY, 3W, 20190817	 3365_2019_WY, 3S, 20190817		




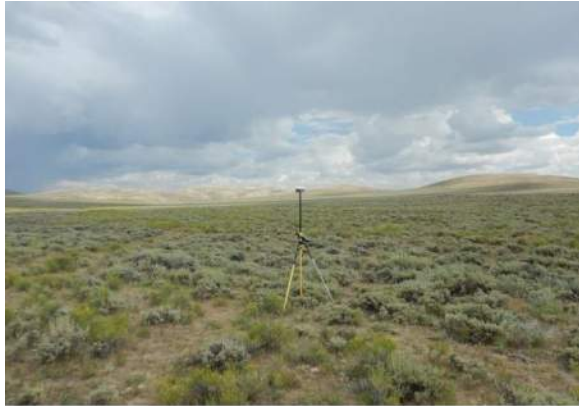


GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3366_2019_WY	Northing (m) 2285677.333	Easting (m) -973403.291	Elevation (m) 1638.015
Point Type VVA	Latitude (Local) N43°00'39.98038"	Longitude (Local) W108°02'17.15787"	Ellipsoid Height (m) 1623.744
Location Photo  NORTH			
 <p>3366_2019_WY, 3N, 20190817</p>		 <p>3366_2019_WY, 3E, 20190817</p>	



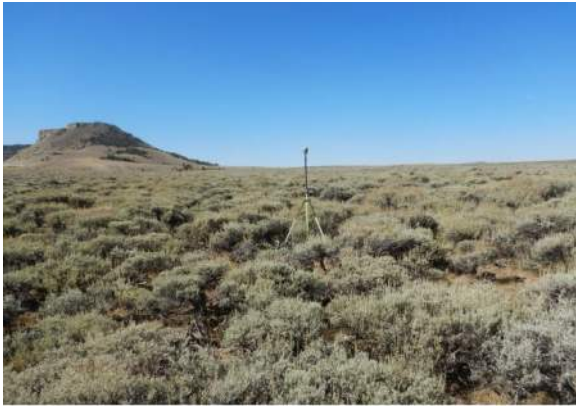
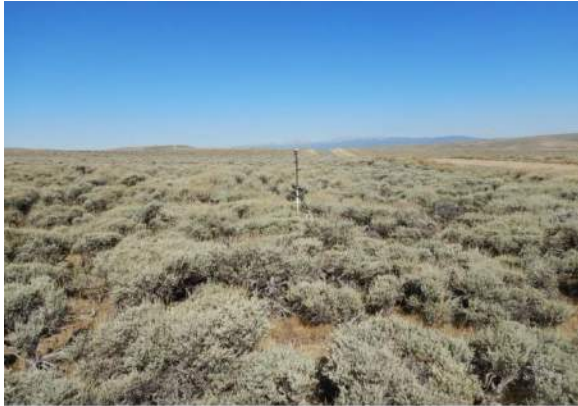


GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3367_2019_WY	Northing (m) 2254513.487	Easting (m) -980234.674	Elevation (m) 2132.348
Point Type VVA	Latitude (Local) N42°43'36.11127"	Longitude (Local) W108°04'22.72450"	Ellipsoid Height (m) 2119.453
Location Photo  NORTH			
 3367_2019_WY, 3W, 20190808	 3367_2019_WY, 3E, 20190808		



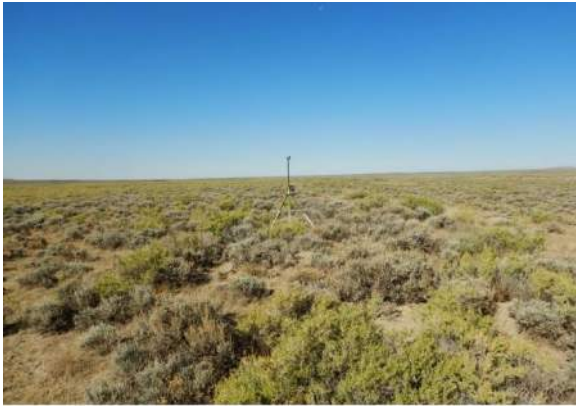



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3368_2019_WY	Northing (m) 2212003.439	Easting (m) -1048567.419	Elevation (m) 2381.386
Point Type VVA	Latitude (Local) N42°16'11.35292"	Longitude (Local) W108°50'03.81102"	Ellipsoid Height (m) 2368.450
Location Photo  NORTH			
 <p>3368_2019_WY, 3W, 20190919</p>		 <p>3368_2019_WY, 3N, 20190919</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3369_2019_WY	Northing (m) 2212069.961	Easting (m) -1059921.880	Elevation (m) 2161.938
Point Type VVA	Latitude (Local) N42°15'23.99730"	Longitude (Local) W108°58'18.36995"	Ellipsoid Height (m) 2148.766
Location Photo  NORTH			
 3369_2019_WY, 3W, 20190919	 3369_2019_WY, 3N, 20190919		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3370_2019_WY	Northing (m) 2224484.104	Easting (m) -1101525.418	Elevation (m) 2074.810
Point Type VVA	Latitude (Local) N42°18'53.87596"	Longitude (Local) W109°29'44.45114"	Ellipsoid Height (m) 2060.998
Location Photo  NORTH			
 <p>3370_2019_WY, 3N, 20190916</p>		 <p>3370_2019_WY, 3E, 20190916</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3371_2019_WY	Northing (m) 2227978.979	Easting (m) -1158808.833	Elevation (m) 2010.502
Point Type VVA	Latitude (Local) N42°16'17.48101"	Longitude (Local) W110°11'37.38888"	Ellipsoid Height (m) 1997.314
Location Photo  NORTH			
 <p style="text-align: center;">3371_2019_WY, 3S, 20190904</p>	 <p style="text-align: center;">3371_2019_WY, 3E, 20190904</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3372_2019_WY	Northing (m) 2229165.838	Easting (m) -1156627.688	Elevation (m) 2019.184
Point Type VVA	Latitude (Local) N42°17'05.70501"	Longitude (Local) W110°10'10.37747"	Ellipsoid Height (m) 2005.963
Location Photo  NORTH			
 3372_2019_WY, 3W, 20190904	 3372_2019_WY, 3S, 20190904		



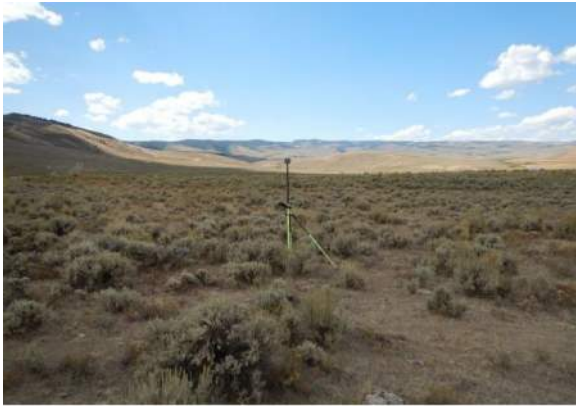



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3373_2019_WY	Northing (m) 2231034.631	Easting (m) -1157752.693	Elevation (m) 2018.118
Point Type VVA	Latitude (Local) N42°17'59.81710"	Longitude (Local) W110°11'11.47223"	Ellipsoid Height (m) 2004.998
Location Photo  NORTH			
 <p>3373_2019_WY, 3S, 20190904</p>		 <p>3373_2019_WY, 3E, 20190904</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3374_2019_WY	Northing (m) 2238581.673	Easting (m) -1165281.252	Elevation (m) 2277.955
Point Type VVA	Latitude (Local) N42°21'23.89408"	Longitude (Local) W110°17'28.30157"	Ellipsoid Height (m) 2265.519
Location Photo  NORTH			
 3374_2019_WY, 3W, 20190904	 3374_2019_WY, 3N, 20190904		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3375_2019_WY	Northing (m) 2239871.393	Easting (m) -1164654.588	Elevation (m) 2236.986
Point Type VVA	Latitude (Local) N42°22'07.97274"	Longitude (Local) W110°17'09.54440"	Ellipsoid Height (m) 2224.548
Location Photo  NORTH			
 <p>3375_2019_WY, 3S, 20190904</p>	 <p>3375_2019_WY, 3E, 20190904</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3376_2019_WY	Northing (m) 2247338.346	Easting (m) -1146339.272	Elevation (m) 2041.887
Point Type VVA	Latitude (Local) N42°27'33.41067"	Longitude (Local) W110°04'41.11640"	Ellipsoid Height (m) 2028.835
Location Photo  NORTH			
			
<small>3376_2019_WY, 3W, 20190903</small>		<small>3376_2019_WY, 3S, 20190903</small>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3377_2019_WY	Northing (m) 2254710.254	Easting (m) -1150983.616	Elevation (m) 2107.977
Point Type VVA	Latitude (Local) N42°31'06.06125"	Longitude (Local) W110°08'51.60027"	Ellipsoid Height (m) 2095.274
Location Photo  NORTH			
 <p>3377_2019_WY, 3N, 20190903</p>		 <p>3377_2019_WY, 3E, 20190903</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3378_2019_WY	Northing (m) 2280948.412	Easting (m) -1098919.882	Elevation (m) 2494.307
Point Type VVA	Latitude (Local) N42°49'05.86401"	Longitude (Local) W109°33'44.09861"	Ellipsoid Height (m) 2484.204
Location Photo  NORTH			
 <p>3378_2019_WY, 3S, 20190905</p>		 <p>3378_2019_WY, 3E, 20190905</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3379_2019_WY	Northing (m) 2274905.634	Easting (m) -1104353.450	Elevation (m) 2148.677
Point Type VVA	Latitude (Local) N42°45'28.23104"	Longitude (Local) W109°37'04.01341"	Ellipsoid Height (m) 2137.486
Location Photo  NORTH			
 <p>3379_2019_WY, 3W, 20190905</p>		 <p>3379_2019_WY, 3S, 20190905</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3380_2019_WY	Northing (m) 2275055.504	Easting (m) -1112355.813	Elevation (m) 2139.601
Point Type VVA	Latitude (Local) N42°44'56.06446"	Longitude (Local) W109°42'55.30974"	Ellipsoid Height (m) 2127.739
Location Photo  NORTH			
 <p>3380_2019_WY, 3S, 20190905</p>	 <p>3380_2019_WY, 3E, 20190905</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3381_2019_WY	Northing (m) 2268844.669	Easting (m) -1119045.971	Elevation (m) 2116.687
Point Type VVA	Latitude (Local) N42°41'07.01512"	Longitude (Local) W109°47'08.42154"	Ellipsoid Height (m) 2104.104
Location Photo  NORTH			
 <p>3381_2019_WY, 3N, 20190914</p>		 <p>3381_2019_WY, 3E, 20190914</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3382_2019_WY	Northing (m) 2282516.808	Easting (m) -1119750.948	Elevation (m) 2165.404
Point Type VVA	Latitude (Local) N42°48'19.52349"	Longitude (Local) W109°49'06.79704"	Ellipsoid Height (m) 2153.601
Location Photo  NORTH			
 <p>3382_2019_WY, 3W, 20190914</p>		 <p>3382_2019_WY, 3N, 20190914</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3383_2019_WY	Northing (m) 2286484.221	Easting (m) -1121512.326	Elevation (m) 2178.446
Point Type VVA	Latitude (Local) N42°50'17.76086"	Longitude (Local) W109°50'49.44884"	Ellipsoid Height (m) 2166.804
Location Photo  NORTH			
 <p>3383_2019_WY, 3W, 20190914</p>		 <p>3383_2019_WY, 3N, 20190914</p>	

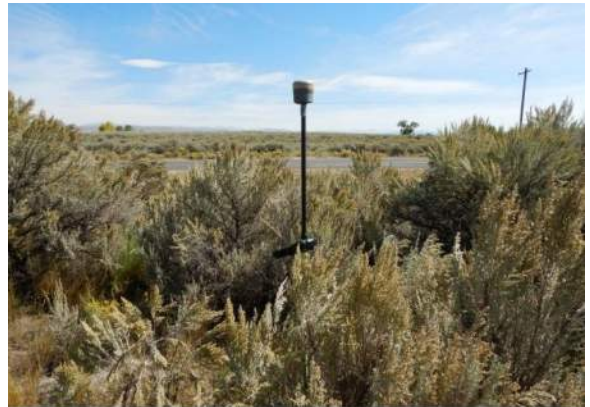


GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3384_2019_WY	Northing (m) 2287460.680	Easting (m) -1121499.377	Elevation (m) 2179.173
Point Type VVA	Latitude (Local) N42°50'48.94798"	Longitude (Local) W109°50'55.16149"	Ellipsoid Height (m) 2167.590
Location Photo  NORTH			







3384_2019_WY, 3S, 20190914



3384_2019_WY, 3E, 20190914







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3385_2019_WY	Northing (m) 2288405.604	Easting (m) -1121285.803	Elevation (m) 2193.755
Point Type VVA	Latitude (Local) N42°51'20.06885"	Longitude (Local) W109°50'51.87877"	Ellipsoid Height (m) 2182.240
Location Photo  NORTH			
 <p>3385_2019_WY, 3W, 20190914</p>		 <p>3385_2019_WY, 3S, 20190914</p>	







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3386_2019_WY	Northing (m) 2296594.644	Easting (m) -1130833.562	Elevation (m) 2226.233
Point Type VVA	Latitude (Local) N42°54'56.22303"	Longitude (Local) W109°58'43.47210"	Ellipsoid Height (m) 2214.855
Location Photo  NORTH			
			
<small>3386_2019_WY, 3S, 20190831</small>	<small>3386_2019_WY, 3E, 20190831</small>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3387_2019_WY	Northing (m) 2309944.031	Easting (m) -1140494.105	Elevation (m) 2285.050
Point Type VVA	Latitude (Local) N43°01'15.85220"	Longitude (Local) W110°07'14.73897"	Ellipsoid Height (m) 2273.961
Location Photo  NORTH			
 <p>3387_2019_WY, 3S, 20190831</p>	 <p>3387_2019_WY, 3N, 20190831</p>		







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3388_2019_WY	Northing (m) 2323195.829	Easting (m) -1145098.330	Elevation (m) 2416.053
Point Type VVA	Latitude (Local) N43°07'56.19361"	Longitude (Local) W110°12'04.54277"	Ellipsoid Height (m) 2405.403
Location Photo  NORTH			
 3388_2019_WY, 3N, 20190830	 3388_2019_WY, 3E, 20190830		





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3389_2019_WY	Northing (m) 2332989.853	Easting (m) -1160238.881	Elevation (m) 2021.154
Point Type VVA	Latitude (Local) N43°11'55.15441"	Longitude (Local) W110°24'16.05947"	Ellipsoid Height (m) 2010.627
Location Photo  NORTH			
 3389_2019_WY, 3S, 20190830	 3389_2019_WY, 3E, 20190830		



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3390_2019_WY	Northing (m) 2334949.430	Easting (m) -1160684.999	Elevation (m) 2004.357
Point Type VVA	Latitude (Local) N43°12'55.42776"	Longitude (Local) W110°24'48.87612"	Ellipsoid Height (m) 1993.883
Location Photo  NORTH			







3390_2019_WY, 3N, 20190830



3390_2019_WY, 3E, 20190830





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 3391_2019_WY	Northing (m) 2342538.252	Easting (m) -1168417.059	Elevation (m) 1930.045
Point Type VVA	Latitude (Local) N43°16'19.44825"	Longitude (Local) W110°31'20.64905"	Ellipsoid Height (m) 1919.819
Location Photo  NORTH			
 3391_2019_WY, 3W, 20190830	 3391_2019_WY, 3N, 20190830		






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 100_2019_WY	Northing (m) 2116234.260	Easting (m) -732593.507	Elevation (m) 1655.301
Point Type TSM	Latitude (Local) N41°44'28.44417"	Longitude (Local) W104°53'06.85677"	Ellipsoid Height (m) 1640.415
		<p>100_2019_WY, 1, 20190612</p>	
			
<p>100_2019_WY, 3NE, 20190612</p>		<p>100_2019_WY, 3NW, 20190612</p>	




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 101_2019_WY	Northing (m) 2219329.477	Easting (m) -672008.349	Elevation (m) 1500.925
Point Type TSM	Latitude (Local) N42°42'29.48839"	Longitude (Local) W104°15'45.68479"	Ellipsoid Height (m) 1485.997
		<p>101_2019_WY, 1, 20190615</p>	
			
<p>101_2019_WY, 3NE, 20190615</p>		<p>101_2019_WY, 3NW, 20190615</p>	




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 102_2019_WY	Northing (m) 2173266.896	Easting (m) -713590.787	Elevation (m) 1335.356
Point Type TSM	Latitude (Local) N42°15'52.60022"	Longitude (Local) W104°43'09.66689"	Ellipsoid Height (m) 1320.356
		<p>102_2019_WY, 1, 20190626</p>	
			
<p>102_2019_WY, 3E, 20190626</p>		<p>102_2019_WY, 3N, 20190626</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 103_2019_WY	Northing (m) 2171997.726	Easting (m) -737853.756	Elevation (m) 1497.399
Point Type TSM	Latitude (Local) N42°13'59.15673"	Longitude (Local) W105°00'45.39075"	Ellipsoid Height (m) 1483.395
			

103_2019_WY, 2, 20190715




103_2019_WY, 3S, 20190715



103_2019_WY, 3W, 20190715



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 104_2019_WY	Northing (m) 2136220.710	Easting (m) -753338.637	Elevation (m) 1585.472
Point Type TSM	Latitude (Local) N41°54'05.35678"	Longitude (Local) W105°09'30.97411"	Ellipsoid Height (m) 1572.344
 <p>104_2019_WY, 1, 20190628</p>			




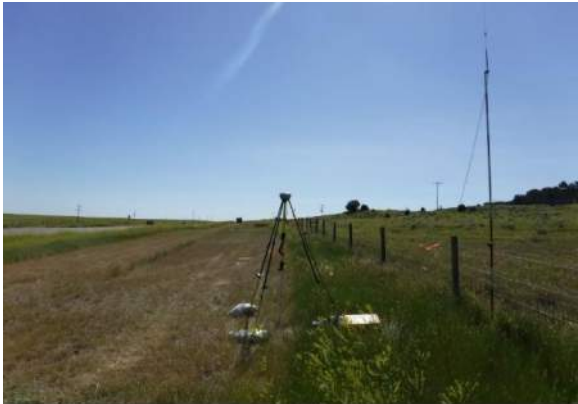

104_2019_WY, 3E, 20190628



104_2019_WY, 3N, 20190628


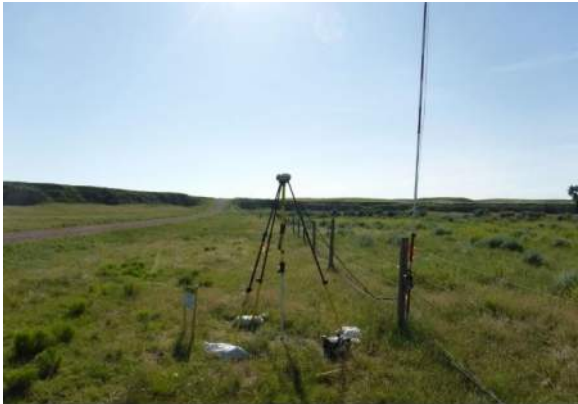
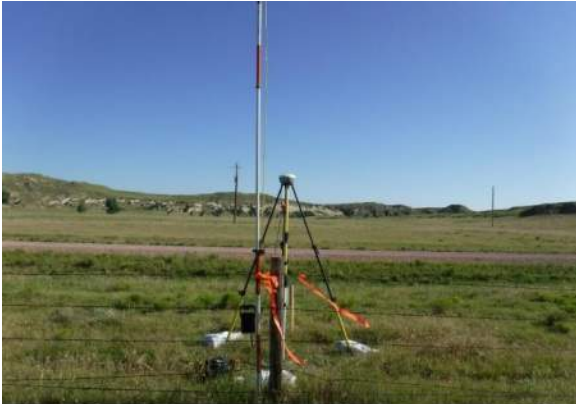


GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 105_2019_WY	Northing (m) 2260437.215	Easting (m) -696846.810	Elevation (m) 1358.645
Point Type TSM	Latitude (Local) N43°03'17.81886"	Longitude (Local) W104°36'43.70578"	Ellipsoid Height (m) 1343.559
 <p>105_2019_WY, 1, 20190718</p>			
 <p>105_2019_WY, 3E, 20190718</p>		 <p>105_2019_WY, 3N, 20190718</p>	


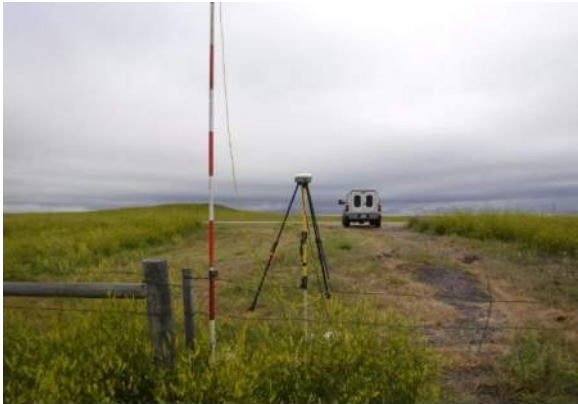
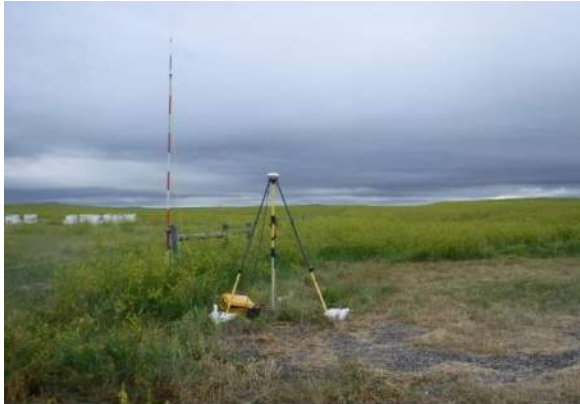


GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 106_2019_WY	Northing (m) 2279901.064	Easting (m) -695890.758	Elevation (m) 1226.804
Point Type TSM	Latitude (Local) N43°13'45.41653"	Longitude (Local) W104°37'19.75544"	Ellipsoid Height (m) 1211.348
 <p>106_2019_WY, 1, 20190719</p>			
 <p>106_2019_WY, 3E, 20190719</p>		 <p>106_2019_WY, 3N, 20190719</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 107_2019_WY	Northing (m) 2314042.096	Easting (m) -658216.888	Elevation (m) 1164.388
Point Type TSM	Latitude (Local) N43°33'49.40147"	Longitude (Local) W104°11'38.83272"	Ellipsoid Height (m) 1149.501
 <p>107_2019_WY, 1, 20190720</p>			
 <p>107_2019_WY, 3E, 20190720</p>		 <p>107_2019_WY, 3N, 20190720</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 108_2019_WY	Northing (m) 2343635.460	Easting (m) -693061.876	Elevation (m) 1311.635
Point Type TSM	Latitude (Local) N43°48'00.87167"	Longitude (Local) W104°39'32.58536"	Ellipsoid Height (m) 1296.673
			
			




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 109_2019_WY	Northing (m) 2368333.897	Easting (m) -698069.120	Elevation (m) 1397.524
Point Type TSM	Latitude (Local) N44°00'59.92877"	Longitude (Local) W104°44'58.52994"	Ellipsoid Height (m) 1383.096
		<p>109_2019_WY, 1, 20190721</p>	
			
<p>109_2019_WY, 3E, 20190721</p>		<p>109_2019_WY, 3N, 20190721</p>	

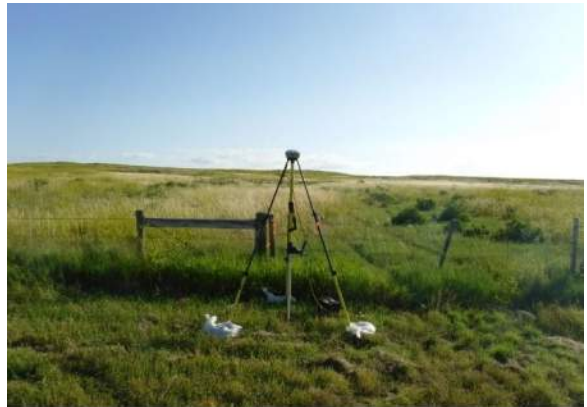


GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 110_2019_WY	Northing (m) 2365943.315	Easting (m) -679084.071	Elevation (m) 1257.637
Point Type TSM	Latitude (Local) N44°00'38.65169"	Longitude (Local) W104°30'36.88304"	Ellipsoid Height (m) 1243.413
		<p>110_2019_WY, 1, 20190722</p>	




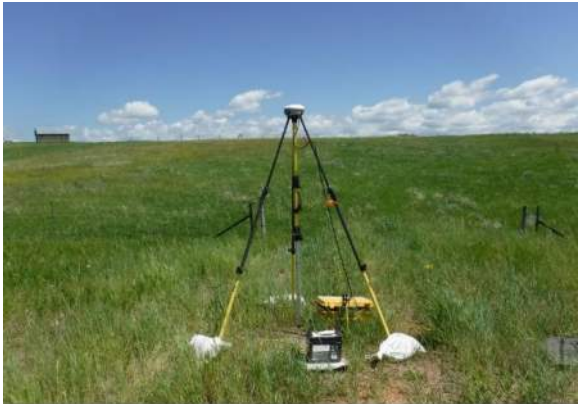

110_2019_WY, 3E, 20190722



110_2019_WY, 3N, 20190722






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 112_2019_WY	Northing (m) 2372011.414	Easting (m) -649602.267	Elevation (m) 1784.354
Point Type TSM	Latitude (Local) N44°05'17.13199"	Longitude (Local) W104°08'56.88078"	Ellipsoid Height (m) 1771.209
 <p>112_2019_WY, 1, 20190722</p>			
 <p>112_2019_WY, 3E, 20190722</p>		 <p>112_2019_WY, 3N, 20190722</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 113_2019_WY	Northing (m) 2386521.486	Easting (m) -658198.206	Elevation (m) 1574.457
Point Type TSM	Latitude (Local) N44°12'39.98714"	Longitude (Local) W104°16'20.03981"	Ellipsoid Height (m) 1561.044
 <p>113_2019_WY, 1, 20190723</p>			
 <p>113_2019_WY, 3, 20190723</p>		 <p>113_2019_WY, 3E, 20190723</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 114_2019_WY	Northing (m) 2415156.176	Easting (m) -702459.769	Elevation (m) 1359.849
Point Type TSM	Latitude (Local) N44°25'52.52761"	Longitude (Local) W104°51'31.89078"	Ellipsoid Height (m) 1345.733
			
			


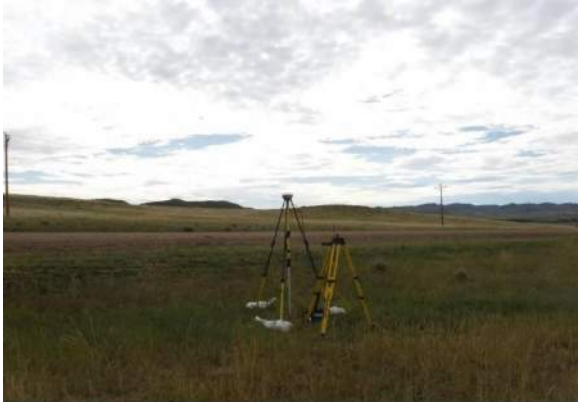
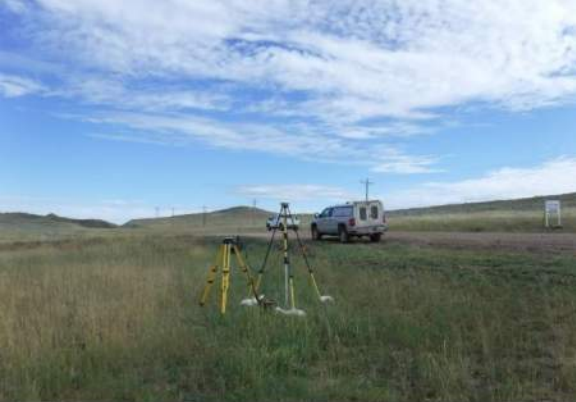


GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 116_2019_WY	Northing (m) 2432722.928	Easting (m) -806173.618	Elevation (m) 1172.962
Point Type TSM	Latitude (Local) N44°29'42.16153"	Longitude (Local) W106°10'52.06742"	Ellipsoid Height (m) 1158.122
 <p>116_2019_WY, 1, 20190731</p>			
 <p>116_2019_WY, 3E, 20190731</p>		 <p>116_2019_WY, 3N, 20190731</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 118_2019_WY	Northing (m) 2409211.069	Easting (m) -806471.147	Elevation (m) 1216.517
Point Type TSM	Latitude (Local) N44°17'05.86608"	Longitude (Local) W106°09'11.72113"	Ellipsoid Height (m) 1201.918
			
			




118_2019_WY, 1, 20190801

118_2019_WY, 3E, 20190801

118_2019_WY, 3N, 20190801



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 119_2019_WY	Northing (m) 2403077.672	Easting (m) -822812.542	Elevation (m) 1427.441
Point Type TSM	Latitude (Local) N44°12'52.09679"	Longitude (Local) W106°20'56.42120"	Ellipsoid Height (m) 1413.161
 <p>119_2019_WY, 1, 20190802</p>			
 <p>119_2019_WY, 3E, 20190802</p>		 <p>119_2019_WY, 3N, 20190802</p>	


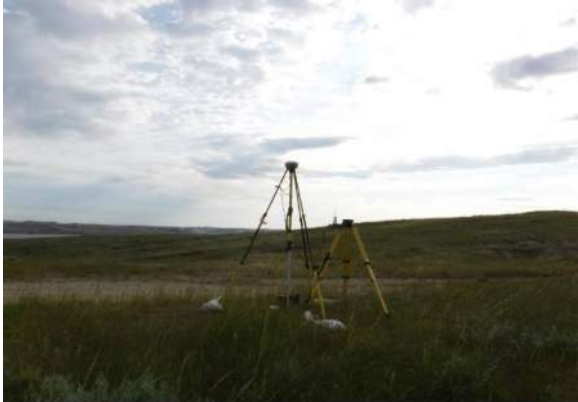



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 120_2019_WY	Northing (m) 2428356.904	Easting (m) -839873.376	Elevation (m) 1320.167
Point Type TSM	Latitude (Local) N44°25'23.12216"	Longitude (Local) W106°35'49.73280"	Ellipsoid Height (m) 1306.596
 <p>120_2019_WY, 1, 20190803</p>			
 <p>120_2019_WY, 3E, 20190803</p>		 <p>120_2019_WY, 3N, 20190803</p>	




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 121_2019_WY	Northing (m) 2430542.843	Easting (m) -851832.277	Elevation (m) 1515.698
Point Type TSM	Latitude (Local) N44°25'49.99908"	Longitude (Local) W106°44'59.53956"	Ellipsoid Height (m) 1503.133
 <p>121_2019_WY, 1, 20190805</p>			
 <p>121_2019_WY, 3E, 20190805</p>		 <p>121_2019_WY, 3N, 20190805</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 122_2019_WY	Northing (m) 2419915.060	Easting (m) -856870.741	Elevation (m) 1668.526
Point Type TSM	Latitude (Local) N44°19'50.43738"	Longitude (Local) W106°47'51.85625"	Ellipsoid Height (m) 1656.993
 <p>122_2019_WY, 1, 20190807</p>			





122_2019_WY, 3E, 20190807



122_2019_WY, 3N, 20190807






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 150_2019_WY	Northing (m) 2368274.380	Easting (m) -1105060.587	Elevation (m) 2422.338
Point Type TSM	Latitude (Local) N43°35'03.46930"	Longitude (Local) W109°47'32.34937"	Ellipsoid Height (m) 2414.400
 <p style="text-align: center; font-size: small;">150_2019_WY, 1, 20190827</p>			
 <p style="text-align: center; font-size: small;">150_2019_WY, 3E, 20190827</p>		 <p style="text-align: center; font-size: small;">150_2019_WY, 3N, 20190827</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 151_2019_WY	Northing (m) 2377273.351	Easting (m) -1114662.541	Elevation (m) 2430.939
Point Type TSM	Latitude (Local) N43°39'05.67389"	Longitude (Local) W109°55'36.49706"	Ellipsoid Height (m) 2422.828
 <p>151_2019_WY, 1, 20190827</p>			
 <p>151_2019_WY, 3N, 20190827</p>		 <p>151_2019_WY, 3W, 20190827</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 152_2019_WY	Northing (m) 2370566.662	Easting (m) -1075733.639	Elevation (m) 2488.934
Point Type TSM	Latitude (Local) N43°38'31.72139"	Longitude (Local) W109°26'06.81702"	Ellipsoid Height (m) 2480.675
 <p>152_2019_WY, 1, 20190828</p>			
 <p>152_2019_WY, 3E, 20190828</p>		 <p>152_2019_WY, 3N, 20190828</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 153_2019_WY	Northing (m) 2293288.570	Easting (m) -1157161.021	Elevation (m) 2308.569
Point Type TSM	Latitude (Local) N42°51'05.16071"	Longitude (Local) W110°17'35.71393"	Ellipsoid Height (m) 2297.455
 <p>153_2019_WY, 1, 20190901</p>			
 <p>153_2019_WY, 3S, 20190901</p>		 <p>153_2019_WY, 3W, 20190901</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 154_2019_WY	Northing (m) 2271149.676	Easting (m) -1112866.185	Elevation (m) 2120.898
Point Type TSM	Latitude (Local) N42°42'49.18889"	Longitude (Local) W109°42'52.80401"	Ellipsoid Height (m) 2108.735
		<p>154_2019_WY, 1, 20190905</p>	
			
<p>154_2019_WY, 3E, 20190905</p>		<p>154_2019_WY, 3N, 20190905</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 155_2019_WY	Northing (m) 2242567.185	Easting (m) -1185484.046	Elevation (m) 2341.476
Point Type TSM	Latitude (Local) N42°21'52.44113"	Longitude (Local) W110°32'33.25466"	Ellipsoid Height (m) 2329.838
 <p>155_2019_WY, 1, 20190912</p>			
 <p>155_2019_WY, 3N, 20190912</p>		 <p>155_2019_WY, 3NW, 20190912</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 156_2019_WY	Northing (m) 2268695.178	Easting (m) -1176244.760	Elevation (m) 2474.394
Point Type TSM	Latitude (Local) N42°36'29.28373"	Longitude (Local) W110°28'45.97151"	Ellipsoid Height (m) 2463.210
 <p>156_2019_WY, 1, 20190913</p>			
 <p>156_2019_WY, 3E, 20190913</p>		 <p>156_2019_WY, 3N, 20190913</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 157_2019_WY	Northing (m) 2228560.152	Easting (m) -1083364.712	Elevation (m) 2197.991
Point Type TSM	Latitude (Local) N42°22'25.91591"	Longitude (Local) W109°16'58.88248"	Ellipsoid Height (m) 2184.898
 <p>157_2019_WY, 1, 20190917</p>			
 <p>157_2019_WY, 3N, 20190917</p>		 <p>157_2019_WY, 3W, 20190917</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 158_2019_WY	Northing (m) 2238172.973	Easting (m) -1040276.532	Elevation (m) 2607.197
Point Type TSM	Latitude (Local) N42°30'42.18570"	Longitude (Local) W108°46'36.97842"	Ellipsoid Height (m) 2596.127
 <p>158_2019_WY, 1, 20190920</p>			
 <p>158_2019_WY, 3S, 20190920</p>		 <p>158_2019_WY, 3W, 20190920</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 159_2019_WY	Northing (m) 2261094.777	Easting (m) -1044146.194	Elevation (m) 2608.185
Point Type TSM	Latitude (Local) N42°42'36.97614"	Longitude (Local) W108°51'42.34349"	Ellipsoid Height (m) 2597.773
 <p>159_2019_WY, 1, 20190921</p>			
 <p>159_2019_WY, 3E, 20190921</p>		 <p>159_2019_WY, 3N, 20190921</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 160_2019_WY	Northing (m) 2400022.817	Easting (m) -870338.865	Elevation (m) 2486.636
Point Type TSM	Latitude (Local) N44°08'22.53372"	Longitude (Local) W106°56'14.08441"	Ellipsoid Height (m) 2476.913
 <p>160_2019_WY, 1, 20190924</p>			
 <p>160_2019_WY, 3S, 20190924</p>		 <p>160_2019_WY, 3W, 20190924</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 161_2019_WY	Northing (m) 2391026.234	Easting (m) -847132.483	Elevation (m) 1412.633
Point Type TSM	Latitude (Local) N44°04'58.77541"	Longitude (Local) W106°38'07.74233"	Ellipsoid Height (m) 1399.647
 <p>161_2019_WY, 1, 20190924</p>			
 <p>161_2019_WY, 3E, 20190924</p>		 <p>161_2019_WY, 3N, 20190924</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 162_2019_WY	Northing (m) 2364636.508	Easting (m) -862762.696	Elevation (m) 1593.264
Point Type TSM	Latitude (Local) N43°49'55.57220"	Longitude (Local) W106°47'33.28303"	Ellipsoid Height (m) 1581.414
		<p>162_2019_WY, 1, 20190925</p>	
			
<p>162_2019_WY, 3E, 20190925</p>		<p>162_2019_WY, 3N, 20190925</p>	


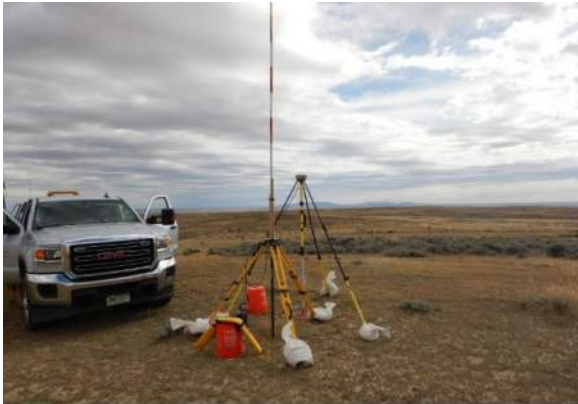



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 163_2019_WY	Northing (m) 2346713.694	Easting (m) -873984.118	Elevation (m) 1564.587
Point Type TSM	Latitude (Local) N43°39'39.77825"	Longitude (Local) W106°54'21.99618"	Ellipsoid Height (m) 1553.071
		<p>163_2019_WY, 1, 20190926</p>	
			
<p>163_2019_WY, 3N, 20190926</p>		<p>163_2019_WY, 3W, 20190926</p>	


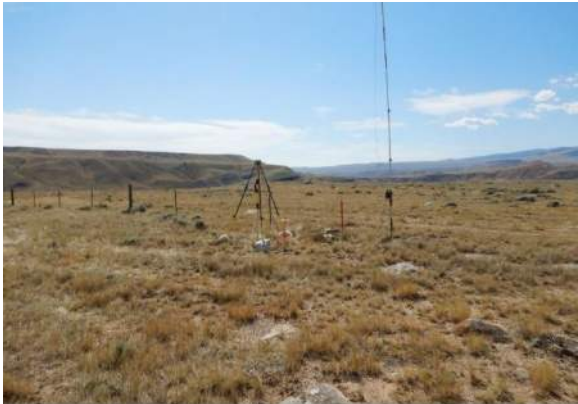



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 165_2019_WY	Northing (m) 2364001.535	Easting (m) -826794.447	Elevation (m) 1424.329
Point Type TSM	Latitude (Local) N43°51'44.03718"	Longitude (Local) W106°20'43.44565"	Ellipsoid Height (m) 1410.263
 <p>165_2019_WY, 1, 20190925</p>			
 <p>165_2019_WY, 3NE, 20190925</p>		 <p>165_2019_WY, 3SE, 20190925</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 170_2019_WY	Northing (m) 2351236.387	Easting (m) -1081645.739	Elevation (m) 2031.998
Point Type TSM	Latitude (Local) N43°27'47.54244"	Longitude (Local) W109°28'26.68662"	Ellipsoid Height (m) 2023.553
 <p>170_2019_WY, 1, 20190820</p>			
 <p>170_2019_WY, 3S, 20190820</p>		 <p>170_2019_WY, 3W, 20190820</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 178_2019_WY	Northing (m) 2246521.959	Easting (m) -1025801.465	Elevation (m) 2136.288
Point Type TSM	Latitude (Local) N42°36'10.76414"	Longitude (Local) W108°36'53.19868"	Ellipsoid Height (m) 2124.599
 <p style="text-align: center; font-size: small;">178_2019_WY, 1, 20190821</p>			
 <p style="text-align: center; font-size: small;">178_2019_WY, 3E, 20190821</p>		 <p style="text-align: center; font-size: small;">178_2019_WY, 3N, 20190821</p>	


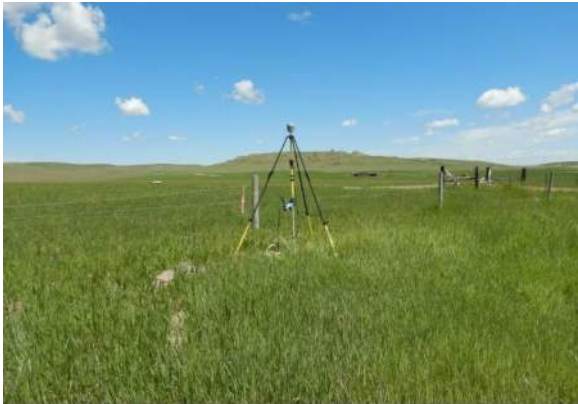



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 179_2019_WY	Northing (m) 2390855.851	Easting (m) -1020189.313	Elevation (m) 1912.482
Point Type TSM	Latitude (Local) N43°53'26.65896"	Longitude (Local) W108°47'02.16647"	Ellipsoid Height (m) 1901.335
		<p>179_2019_WY,1, 20190808</p>	
			
<p>179_2019_WY,3E, 20190808</p>		<p>179_2019_WY,3N, 20190808</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 180_2019_WY	Northing (m) 2202249.810	Easting (m) -736706.377	Elevation (m) 1446.732
Point Type TSM	Latitude (Local) N42°30'12.30181"	Longitude (Local) W105°02'01.31367"	Ellipsoid Height (m) 1432.663
 <p>180_2019_WY, 1, 20190619</p>			
 <p>180_2019_WY, 3N, 20190619</p>		 <p>180_2019_WY, 3W, 20190619</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 181_2019_WY	Northing (m) 2206458.893	Easting (m) -724270.172	Elevation (m) 1472.950
Point Type TSM	Latitude (Local) N42°33'04.95400"	Longitude (Local) W104°53'12.87263"	Ellipsoid Height (m) 1458.726
 <p>181_2019_WY, 1, 20190619</p>			
 <p>181_2019_WY, 3N, 20190619</p>		 <p>181_2019_WY, 3W, 20190619</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 182_2019_WY	Northing (m) 2257841.541	Easting (m) -677510.635	Elevation (m) 1292.629
Point Type TSM	Latitude (Local) N43°02'50.10876"	Longitude (Local) W104°22'17.77303"	Ellipsoid Height (m) 1277.794
 <p>182_2019_WY, 1, 20190621</p>			
 <p>182_2019_WY, 3E, 20190621</p>		 <p>182_2019_WY, 3N, 20190621</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 183_2019_WY	Northing (m) 2290023.064	Easting (m) -665412.754	Elevation (m) 1160.753
Point Type TSM	Latitude (Local) N43°20'37.62539"	Longitude (Local) W104°15'26.41241"	Ellipsoid Height (m) 1145.624
 <p>183_2019_WY, 1, 20190718</p>			
 <p>183_2019_WY, 3N, 20190718</p>		 <p>183_2019_WY, 3W, 20190718</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 184_2019_WY	Northing (m) 2436251.454	Easting (m) -658519.473	Elevation (m) 1430.694
Point Type TSM	Latitude (Local) N44°39'19.76206"	Longitude (Local) W104°19'51.24400"	Ellipsoid Height (m) 1416.543
 <p>184_2019_WY, 1, 20190722</p>			
 <p>184_2019_WY, 3N, 20190722</p>		 <p>184_2019_WY, 3W, 20190722</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 185_2019_WY	Northing (m) 2435498.816	Easting (m) -686181.642	Elevation (m) 1168.105
Point Type TSM	Latitude (Local) N44°37'35.61712"	Longitude (Local) W104°40'41.10017"	Ellipsoid Height (m) 1154.050
			
			


185_2019_WY, 1, 20190722

185_2019_WY, 3N, 20190722

185_2019_WY, 3W, 20190722



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 186_2019_WY	Northing (m) 2442477.740	Easting (m) -712219.865	Elevation (m) 1251.223
Point Type TSM	Latitude (Local) N44°40'02.00312"	Longitude (Local) W105°00'49.67708"	Ellipsoid Height (m) 1236.691
			

186_2019_WY, 1, 20190725






186_2019_WY, 3E, 20190725



186_2019_WY, 3N, 20190725






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 187_2019_MT	Northing (m) 2592113.508	Easting (m) -677424.704	Elevation (m) 1005.599
Point Type TSM	Latitude (Local) N46°02'11.22256"	Longitude (Local) W104°44'59.32129"	Ellipsoid Height (m) 989.633
 <p>187_2019_MT, 1, 20190729</p>			
 <p>187_2019_MT, 3E, 20190729</p>		 <p>187_2019_MT, 3N, 20190729</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 188_2019_MT	Northing (m) 2561837.699	Easting (m) -669305.357	Elevation (m) 1030.206
Point Type TSM	Latitude (Local) N45°46'17.60795"	Longitude (Local) W104°36'36.66857"	Ellipsoid Height (m) 1014.242
 <p>188_2019_MT, 1, 20190730</p>			
 <p>188_2019_MT, 3E, 20190730</p>		 <p>188_2019_MT, 3S, 20190730</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 189_2019_MT	Northing (m) 2570480.144	Easting (m) -637876.832	Elevation (m) 979.367
Point Type TSM	Latitude (Local) N45°52'26.77699"	Longitude (Local) W104°13'03.09619"	Ellipsoid Height (m) 963.235
 <p>189_2019_MT, 1, 20190801</p>			
 <p>189_2019_MT, 3S, 20190801</p>		 <p>189_2019_MT, 3W, 20190801</p>	





GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 190_2019_MT	Northing (m) 2536147.199	Easting (m) -637289.373	Elevation (m) 1065.062
Point Type TSM	Latitude (Local) N45°33'59.82642"	Longitude (Local) W104°10'19.40268"	Ellipsoid Height (m) 1049.073
 <p>190_2019_MT, 1, 20190802</p>			
 <p>190_2019_MT, 3S, 20190802</p>		 <p>190_2019_MT, 3W, 20190802</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 191_2019_MT	Northing (m) 2516952.294	Easting (m) -699583.793	Elevation (m) 1088.320
Point Type TSM	Latitude (Local) N45°20'39.23027"	Longitude (Local) W104°56'35.73737"	Ellipsoid Height (m) 1073.340
		<p>191_2019_MT, 1, 20190804</p>	
		<p>191_2019_MT, 3N, 20190804</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 192_2019_WY	Northing (m) 2367946.849	Easting (m) -1041493.186	Elevation (m) 2690.659
Point Type TSM	Latitude (Local) N43°39'41.21197"	Longitude (Local) W109°00'30.75862"	Ellipsoid Height (m) 2681.002
 <p style="text-align: center; font-size: small;">192_2019_WY, 1, 20190813</p>			
 <p style="text-align: center; font-size: small;">192_2019_WY, 3E, 20190813</p>		 <p style="text-align: center; font-size: small;">192_2019_WY, 3N, 20190813</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 193_2019_WY	Northing (m) 2360032.821	Easting (m) -954575.755	Elevation (m) 1495.029
Point Type TSM	Latitude (Local) N43°41'34.85112"	Longitude (Local) W107°55'20.85532"	Ellipsoid Height (m) 1482.130
 <p style="text-align: center; font-size: small;">193_2019_WY, 1, 20190814</p>			
 <p style="text-align: center; font-size: small;">193_2019_WY, 3S, 20190814</p>		 <p style="text-align: center; font-size: small;">193_2019_WY, 3W, 20190814</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 194_2019_WY	Northing (m) 2331593.678	Easting (m) -944864.626	Elevation (m) 1759.528
Point Type TSM	Latitude (Local) N43°27'03.53791"	Longitude (Local) W107°45'31.28305"	Ellipsoid Height (m) 1746.784
 <p style="text-align: center;">194_2019_WY, 1, 20190814</p>			
 <p style="text-align: center;">194_2019_WY, 3N, 20190814</p>		 <p style="text-align: center;">194_2019_WY, 3W, 20190814</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 195_2019_WY	Northing (m) 2265758.255	Easting (m) -947474.950	Elevation (m) 1843.144
Point Type TSM	Latitude (Local) N42°51'47.15748"	Longitude (Local) W107°41'26.04962"	Ellipsoid Height (m) 1830.029
 <p>195_2019_WY, 1, 20190817</p>			
 <p>195_2019_WY, 3E, 20190817</p>		 <p>195_2019_WY, 3N, 20190817</p>	


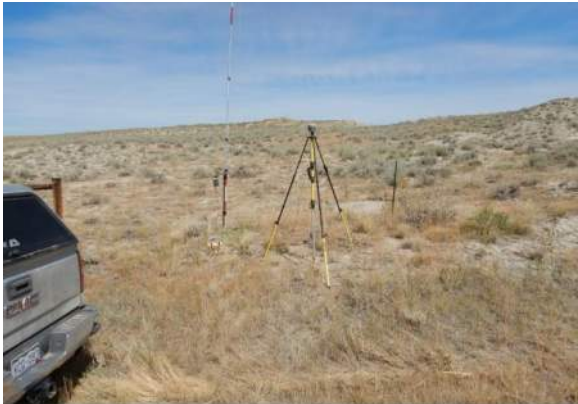



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 196_2019_WY	Northing (m) 2283769.442	Easting (m) -980144.684	Elevation (m) 1644.200
Point Type TSM	Latitude (Local) N42°59'11.45645"	Longitude (Local) W108°07'03.28861"	Ellipsoid Height (m) 1629.966
 <p>196_2019_WY, 1, 20190817</p>			
 <p>196_2019_WY, 3N, 20190817</p>		 <p>196_2019_WY, 3W, 20190817</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 197_2019_WY	Northing (m) 2313475.574	Easting (m) -1010655.605	Elevation (m) 1631.298
Point Type TSM	Latitude (Local) N43°12'53.66405"	Longitude (Local) W108°32'19.26078"	Ellipsoid Height (m) 1617.551
 <p>197_2019_WY, 1, 20190818</p>			
 <p>197_2019_WY, 3N, 20190818</p>		 <p>197_2019_WY, 3W, 20190818</p>	


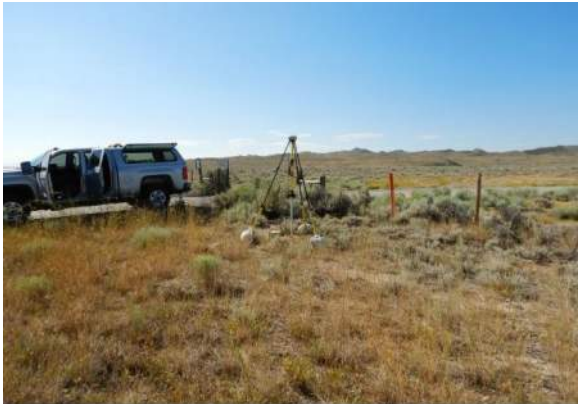



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 198_2019_WY	Northing (m) 2311431.410	Easting (m) -976994.290	Elevation (m) 1469.494
Point Type TSM	Latitude (Local) N43°14'08.72416"	Longitude (Local) W108°07'20.78591"	Ellipsoid Height (m) 1455.019
			
<p>198_2019_WY, 1, 20190818</p>			
			
<p>198_2019_WY, 3E, 20190818</p>		<p>198_2019_WY, 3N, 20190818</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 199_2019_WY	Northing (m) 2325138.755	Easting (m) -1054057.458	Elevation (m) 1793.832
Point Type TSM	Latitude (Local) N43°15'58.15321"	Longitude (Local) W109°05'25.13645"	Ellipsoid Height (m) 1783.222
		<p>199_2019_WY, 1, 20190819</p>	
			
<p>199_2019_WY, 3S, 20190819</p>		<p>199_2019_WY, 3W, 20190819</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 300_2019_WY	Northing (m) 2247734.274	Easting (m) -1003465.877	Elevation (m) 1721.960
Point Type TSM	Latitude (Local) N42°38'23.67467"	Longitude (Local) W108°20'42.52002"	Ellipsoid Height (m) 1709.186
 <p>300_2019_WY, 1, 20190809</p>			
 <p>300_2019_WY, 3E, 20190809</p>		 <p>300_2019_WY, 3N, 20190809</p>	


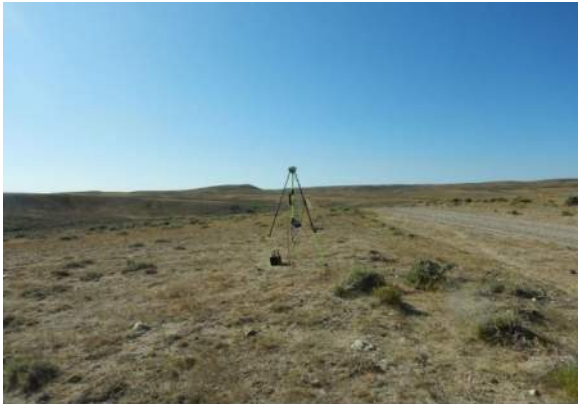
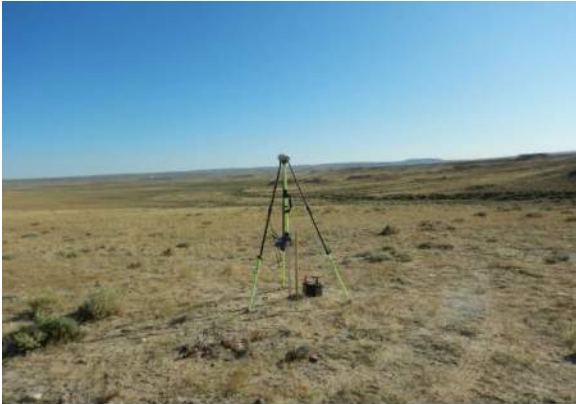


GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 301_2019_WY	Northing (m) 2208980.947	Easting (m) -954391.638	Elevation (m) 2564.932
Point Type TSM	Latitude (Local) N42°21'04.97917"	Longitude (Local) W107°41'21.54266"	Ellipsoid Height (m) 2551.704
 <p>301_2019_WY, 1, 20190809</p>			
 <p>301_2019_WY, 3E, 20190809</p>		 <p>301_2019_WY, 3N, 20190809</p>	






GCP OBSERVATION LOG




Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 302_2019_WY	Northing (m) 2211580.790	Easting (m) -999098.644	Elevation (m) 2133.219
Point Type TSM	Latitude (Local) N42°19'27.31861"	Longitude (Local) W108°14'06.23893"	Ellipsoid Height (m) 2119.786
 <p>302_2019_WY, 1, 20190814</p>			
 <p>302_2019_WY, 3E, 20190814</p>		 <p>302_2019_WY, 3N, 20190814</p>	



GCP OBSERVATION LOG


Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 500_2019_WY	Northing (m) 2336439.329	Easting (m) -818551.542	Elevation (m) 1541.509
Point Type TSM	Latitude (Local) N43°37'28.59443"	Longitude (Local) W106°12'22.18792"	Ellipsoid Height (m) 1527.293
		<p>500_2019_WY, 1, 20190728</p>	
			
<p>500_2019_WY, 3E, 20190728</p>		<p>500_2019_WY, 3N, 20190728</p>	

GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 501_2019_WY	Northing (m) 2337980.261	Easting (m) -845895.158	Elevation (m) 1455.509
Point Type TSM	Latitude (Local) N43°36'41.88733"	Longitude (Local) W106°32'47.31064"	Ellipsoid Height (m) 1442.264
		<p>501_2019_WY, 1, 20190730</p>	
			
<p>501_2019_WY, 3E, 20190730</p>		<p>501_2019_WY, 3N, 20190730</p>	




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID 502_2019_WY	Northing (m) 2348034.602	Easting (m) -857093.963	Elevation (m) 1454.381
Point Type TSM	Latitude (Local) N43°41'23.92773"	Longitude (Local) W106°41'56.34804"	Ellipsoid Height (m) 1441.774
 <p style="text-align: center; font-size: small;">502_2019_WY, 1, 20190802</p>			
 <p style="text-align: center; font-size: small;">502_2019_WY, 3E, 20190802</p>		 <p style="text-align: center; font-size: small;">502_2019_WY, 3N, 20190802</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID A 27	Northing (m) 2313511.811	Easting (m) -944752.696	Elevation (m) 1595.963
Point Type OV0150	Latitude (Local) N43°17'25.37164"	Longitude (Local) W107°43'46.83968"	Ellipsoid Height (m) 1582.094
 <p>A 27, OV0150, 1, 20190815</p>			






A 27, OV0150, 3E, 20190815



A 27, OV0150, 3N, 20190815







GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID A 28	Northing (m) 2224052.405	Easting (m) -961425.421	Elevation (m) 1931.364
Point Type NR0199	Latitude (Local) N42°28'38.65005"	Longitude (Local) W107°47'50.59448"	Ellipsoid Height (m) 1918.514
 <p>A 28, NR0199, 1, 20190809</p>			
 <p>A 28, NR0199, 3E, 20190809</p>		 <p>A 28, NR0199, 3N, 20190809</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID A 47	Northing (m) 2357610.298	Easting (m) -1088591.424	Elevation (m) 2091.068
Point Type OW0158	Latitude (Local) N43°30'39.26794"	Longitude (Local) W109°34'14.50841"	Ellipsoid Height (m) 2082.836
 <p>A 47, OW0158, 1, 20190820</p>			
 <p>A 47, OW0158, 3E, 20190820</p>		 <p>A 47, OW0158, 3N, 20190820</p>	

 GCP OBSERVATION LOG				
Project Number	Project Name	Company	Field Operator	
79935	WY FEMA East Lidar	Woolpert	DM/EN/NP/SH/BW	
Coordinate System	Hor. Datum	Ver. Datum	Zone	Geoid
Albers Equal Area (ESPG 6350)	NAD 1983 (Conus)	NAVD88	Albers Equal Area ESPG 6350	GEOID12B (Conus)
Station ID	Northing (m)	Easting (m)	Elevation (m)	
ALBW 1	2126301.002	-765870.413	1790.243	
Point Type	Latitude (Local)	Longitude (Local)	Ellipsoid Height (m)	
CHK PT	N41°48'08.57940"	W105°17'53.63342"	1777.825	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID BM	Northing (m) 2313441.763	Easting (m) -1028168.776	Elevation (m) 1656.054
Point Type OW0094	Latitude (Local) N43°11'37.67902"	Longitude (Local) W108°45'11.97689"	Ellipsoid Height (m) 1643.315
 <p>BM, OW0094, 1, 20190818</p>			
 <p>BM, OW0094, 3E, 20190818</p>		 <p>BM, OW0094, 3N, 20190818</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID CRMS 12	Northing (m) 2397410.445	Easting (m) -702361.793	Elevation (m) 1282.968
Point Type PV0646	Latitude (Local) N44°16'22.02809"	Longitude (Local) W104°50'12.76822"	Ellipsoid Height (m) 1268.762
 <p>CRMS 12, PV0646, 1, 20190724</p>			
 <p>CRMS 12, PV0646, 3E, 20190724</p>		 <p>CRMS 12, PV0646, 3N, 20190724</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID CRMS 60	Northing (m) 2403236.816	Easting (m) -672512.173	Elevation (m) 1475.544
Point Type PV0655	Latitude (Local) N44°20'57.13024"	Longitude (Local) W104°28'11.51768"	Ellipsoid Height (m) 1461.879
			
			




CRMS 60, PV0655, 1, 20190720

CRMS 60, PV0655, 3E, 20190720

CRMS 60, PV0655, 3N, 20190720






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID D 60	Northing (m) 2432869.996	Easting (m) -709419.776	Elevation (m) 1286.743
Point Type PV0159	Latitude (Local) N44°35'01.38180"	Longitude (Local) W104°58'01.67789"	Ellipsoid Height (m) 1272.342
 <p style="text-align: center;">D 60, PV0159, 1, 20190725</p>			
 <p style="text-align: center;">D 60, PV0159, 3E, 20190725</p>		 <p style="text-align: center;">D 60, PV0159, 3N, 20190725</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID D 105	Northing (m) 2229170.536	Easting (m) -707176.339	Elevation (m) 1630.045
Point Type NQ0208	Latitude (Local) N42°46'04.24769"	Longitude (Local) W104°42'13.67460"	Ellipsoid Height (m) 1615.695
 <p>D 105, NQ0208, 1, 20190616</p>			
 <p>D 105, NQ0208, 3E, 20190616</p>		 <p>D 105, NQ0208, 3N, 20190616</p>	




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID D 330	Northing (m) 2359004.286	Easting (m) -978310.927	Elevation (m) 1394.167
Point Type OW0202	Latitude (Local) N43°39'24.95262"	Longitude (Local) W108°12'50.57983"	Ellipsoid Height (m) 1381.162
 <p>D 330, OW0202, 1, 20190805</p>			
 <p>D 330, OW0202, 3E, 20190805</p>		 <p>D 330, OW0202, 3N, 20190805</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID F 54	Northing (m) 2226448.016	Easting (m) -686760.207	Elevation (m) 1534.942
Point Type NQ0056	Latitude (Local) N42°45'36.18047"	Longitude (Local) W104°27'03.20799"	Ellipsoid Height (m) 1520.563
 <p>F 54, NQ0056, 1, 20190615</p>			




F 54, NQ0056, 3E, 20190615



F 54, NQ0056, 3N, 20190615



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID F 92	Northing (m) 2096578.347	Easting (m) -732519.849	Elevation (m) 1775.009
Point Type MO0301	Latitude (Local) N41°33'59.08880"	Longitude (Local) W104°51'43.85900"	Ellipsoid Height (m) 1759.754
			

F 92, MO0301, 1, 20190612






F 92, MO0301, 3NE, 20190612



F 92, MO0301, 3NW, 20190612



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID G 50	Northing (m) 2274713.706	Easting (m) -1142160.812	Elevation (m) 2161.306
Point Type NT0020	Latitude (Local) N42°42'25.27990"	Longitude (Local) W110°04'37.04206"	Ellipsoid Height (m) 2149.152
 <p>G 50, NT0020, 1, 20190903</p>			
 <p>G 50, NT0020, 3E, 20190903</p>		 <p>G 50, NT0020, 3N, 20190903</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID G 206	Northing (m) 2580677.767	Easting (m) -668383.388	Elevation (m) 1034.616
Point Type QU0081	Latitude (Local) N45°56'28.63181"	Longitude (Local) W104°37'13.13228"	Ellipsoid Height (m) 1018.648
 <p>G 206, QU0081, 1, 20190729</p>			
 <p>G 206, QU0081, 3E, 20190729</p>		 <p>G 206, QU0081, 3N, 20190729</p>	



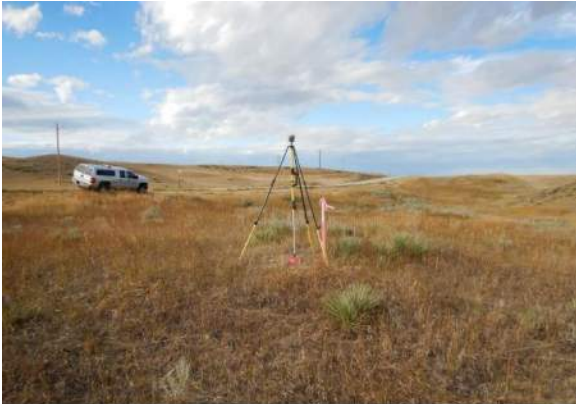


GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID G 336	Northing (m) 2208519.121	Easting (m) -933207.951	Elevation (m) 1896.367
Point Type NR0297	Latitude (Local) N42°22'12.98426"	Longitude (Local) W107°25'54.14790"	Ellipsoid Height (m) 1883.402
		<p>G 336, NR0297, 1, 20190811</p>	
			
<p>G 336, NR0297, 3E, 20190811</p>		<p>G 336, NR0297, 3N, 20190811</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID H 39	Northing (m) 2408474.813	Easting (m) -850827.439	Elevation (m) 1615.180
Point Type PW0099	Latitude (Local) N44°14'05.31276"	Longitude (Local) W106°42'21.80817"	Ellipsoid Height (m) 1602.838
 <p>H 39, W0099, 1, 20190924</p>			
 <p>H 39, W0099, 3E, 20190924</p>		 <p>H 39, W0099, 3N, 20190924</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID HART	Northing (m) 2273643.707	Easting (m) -1030588.773	Elevation (m) 1639.053
Point Type AA2122	Latitude (Local) N42°50'16.18787"	Longitude (Local) W108°43'02.35522"	Ellipsoid Height (m) 1626.906
 <p>HART, AA2122, 1, 20190818</p>			
 <p>HART, AA2122, 3E, 20190818</p>		 <p>HART, AA2122, 3N, 20190818</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID J 20	Northing (m) 2223219.533	Easting (m) -1054880.322	Elevation (m) 2288.128
Point Type NS0030	Latitude (Local) N42°21'41.67601"	Longitude (Local) W108°55'45.40210"	Ellipsoid Height (m) 2275.826
 <p>J 20, NS0030, 1, 20190918</p>			
 <p>J 20, NS0030, 3E, 20190918</p>		 <p>J 20, NS0030, 3N, 20190918</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID J 28	Northing (m) 2236360.860	Easting (m) -979949.712	Elevation (m) 2051.290
Point Type NS0007	Latitude (Local) N42°33'57.28917"	Longitude (Local) W108°02'28.78805"	Ellipsoid Height (m) 2038.574
 <p>J 28, NS0007, 1, 20190807</p>			
 <p>J 28, NS0007, 3E, 20190807</p>		 <p>J 28, NS0007, 3S, 20190807</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID J 40	Northing (m) 2336382.903	Easting (m) -844992.675	Elevation (m) 1465.254
Point Type OV0071	Latitude (Local) N43°35'53.89767"	Longitude (Local) W106°31'59.22057"	Ellipsoid Height (m) 1451.989
 <p>J 40, OV0071, 1, 20190731</p>			
 <p>J 40, OV0071, 3E, 20190731</p>		 <p>J 40, OV0071, 3N, 20190731</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID J 120	Northing (m) 2394866.794	Easting (m) -709306.709	Elevation (m) 1303.472
Point Type PV0120	Latitude (Local) N44°14'39.30277"	Longitude (Local) W104°55'14.71168"	Ellipsoid Height (m) 1289.131
 <p>J 120, PV0120, 1, 20190724</p>			
 <p>J 120, PV0120, 3E, 20190724</p>		 <p>J 120, PV0120, 3S, 20190724</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID K 28	Northing (m) 2236799.907	Easting (m) -982904.387	Elevation (m) 2035.477
Point Type NS0008	Latitude (Local) N42°33'59.27229"	Longitude (Local) W108°04'40.54458"	Ellipsoid Height (m) 2022.715
 <p>K 28, NS0008, 1, 20190807</p>			
 <p>K 28, NS0008, 3E, 20190807</p>		 <p>K 28, NS0008, 3N, 20190807</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID K 370	Northing (m) 2413333.191	Easting (m) -656462.591	Elevation (m) 1372.799
Point Type PV0630	Latitude (Local) N44°27'07.69853"	Longitude (Local) W104°16'47.33306"	Ellipsoid Height (m) 1359.045
		<p>K 370, PV0630, 1, 20190720</p>	
			
<p>K 370, PV0630, 3N, 20190720</p>		<p>K 370, PV0630, 3SW, 20190720</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID KILPATRICK	Northing (m) 2461137.280	Easting (m) -644960.786	Elevation (m) 1079.231
Point Type PV0452	Latitude (Local) N44°53'19.44861"	Longitude (Local) W104°11'14.21004"	Ellipsoid Height (m) 1064.276
 <p>KILPATRICK, PV0452, 1, 20190723</p>			
 <p>KILPATRICK, PV0452, 3E, 20190723</p>		 <p>KILPATRICK, PV0452, 3N, 20190723</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID L 45	Northing (m) 2333853.824	Easting (m) -1160705.312	Elevation (m) 2012.376
Point Type OX0054	Latitude (Local) N43°12'20.41535"	Longitude (Local) W110°24'42.39940"	Ellipsoid Height (m) 2001.875
 <p>L 45, OX0054, 1, 20190830</p>			
 <p>L 45, OX0054, 3E, 20190830</p>		 <p>L 45, OX0054, 3N, 20190830</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID L 49	Northing (m) 2380691.842	Easting (m) -1002068.375	Elevation (m) 1593.023
Point Type OW0104	Latitude (Local) N43°49'19.23845"	Longitude (Local) W108°32'34.09736"	Ellipsoid Height (m) 1580.636
 <p>L 49, OW0104, 1, 20190806</p>			
 <p>L 49, OW0104, 3E, 20190806</p>		 <p>L 49, OW0104, 3N, 20190806</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID L 50	Northing (m) 2262138.675	Easting (m) -1144684.695	Elevation (m) 2095.213
Point Type NT0477	Latitude (Local) N42°35'32.68235"	Longitude (Local) W110°05'05.30355"	Ellipsoid Height (m) 2082.550
 <p>L 50, NT0477, 1, 20190903</p>			
 <p>L 50, NT0477, 3E, 20190903</p>		 <p>L 50, NT0477, 3N, 20190903</p>	


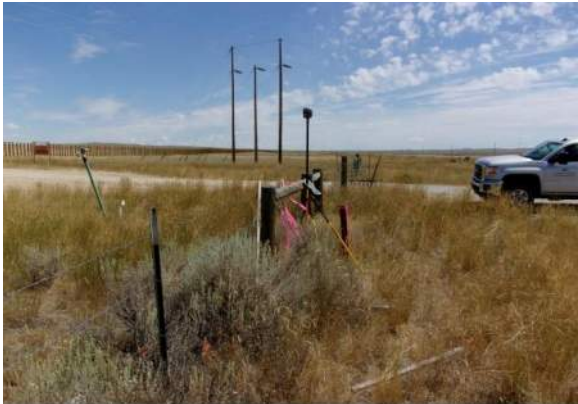



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID N 218 RESET	Northing (m) 2503209.416	Easting (m) -697627.071	Elevation (m) 1131.949
Point Type QU0061	Latitude (Local) N45°13'22.22353"	Longitude (Local) W104°54'07.14302"	Ellipsoid Height (m) 1117.282
 <p>N 218 RESET, QU0061, 1, 20190804</p>			
 <p>N 218 RESET, QU0061, 3E, 20190804</p>		 <p>N 218 RESET, QU0061, 3N, 20190804</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID N 331	Northing (m) 2297454.635	Easting (m) -942890.058	Elevation (m) 1681.673
Point Type OV0225	Latitude (Local) N43°08'59.03024"	Longitude (Local) W107°40'56.64411"	Ellipsoid Height (m) 1667.562
 <p>N 331, OV0225, 1, 20190816</p>			
 <p>N 331, OV0225, 3E, 20190816</p>		 <p>N 331, OV0225, 3N, 20190816</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID P 43	Northing (m) 2234711.633	Easting (m) -1104342.080	Elevation (m) 2138.676
Point Type NS0107	Latitude (Local) N42°24'06.98114"	Longitude (Local) W109°32'50.88513"	Ellipsoid Height (m) 2125.194
 <p>P 43, NS0107, 1, 20190916</p>			
 <p>P 43, NS0107, 3N, 20190916</p>		 <p>P 43, NS0107, 3S, 20190916</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID PLGPS 1 RESET	Northing (m) 2150517.203	Easting (m) -735930.834	Elevation (m) 1475.044
Point Type AA2118	Latitude (Local) N42°02'36.68337"	Longitude (Local) W104°57'52.50125"	Ellipsoid Height (m) 1460.713
 <p>PLGPS 1 RESET, AA2118, 1, 20190612</p>			
 <p>PLGPS 1 RESET, AA2118, 3E, 20190612</p>		 <p>PLGPS 1 RESET, AA2118, 3N, 20190612</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID Q 45	Northing (m) 2340069.023	Easting (m) -1167087.287	Elevation (m) 1944.249
Point Type OX0059	Latitude (Local) N43°15'07.28889"	Longitude (Local) W110°30'05.33987"	Ellipsoid Height (m) 1933.942
 <p>Q 45, OX0059, 1, 20190830</p>			
 <p>Q 45, OX0059, 3E, 20190830</p>		 <p>Q 45, OX0059, 3N, 20190830</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID Q 209	Northing (m) 2580525.734	Easting (m) -660182.355	Elevation (m) 1011.646
Point Type QU0084	Latitude (Local) N45°56'47.66590"	Longitude (Local) W104°30'53.77360"	Ellipsoid Height (m) 995.635
 <p>Q 209, QU0084, 1, 20190801</p>			
 <p>Q 209, QU0084, 3E, 20190801</p>		 <p>Q 209, QU0084, 3N, 20190801</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID Q 356	Northing (m) 2326816.666	Easting (m) -813234.301	Elevation (m) 1622.339
Point Type OV0275	Latitude (Local) N43°32'38.28214"	Longitude (Local) W106°07'39.46848"	Ellipsoid Height (m) 1608.065
		<p>Q 356, OV0275, 1, 20190729</p>	
			
<p>Q 356, OV0275, 3E, 20190729</p>		<p>Q 356, OV0275, 3N, 20190729</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID ROUTE 120 STA 636+00	Northing (m) 2366089.859	Easting (m) -993538.810	Elevation (m) 1484.371
Point Type OW0037	Latitude (Local) N43°42'08.15631"	Longitude (Local) W108°24'48.67281"	Ellipsoid Height (m) 1471.686
 <p style="text-align: center; font-size: small;">ROUTE 120 STA 636+00, OW0037, 1, 20190806</p>			
 <p style="text-align: center; font-size: small;">ROUTE 120 STA 636+00, OW0037, 3N, 20190806</p>		 <p style="text-align: center; font-size: small;">ROUTE 120 STA 636+00, OW0037, 3NE, 20190806</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID S 42	Northing (m) 2384447.252	Easting (m) -1116863.513	Elevation (m) 2557.778
Point Type OW0138	Latitude (Local) N43°42'44.25338"	Longitude (Local) W109°58'01.16138"	Ellipsoid Height (m) 2549.726
		S 42, OW0138, 1, 20190829	
			
S 42, OW0138, 3E, 20190829		S 42, OW0138, 3N, 20190829	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID SHERWIN	Northing (m) 2316340.372	Easting (m) -714999.033	Elevation (m) 1382.571
Point Type AA2131	Latitude (Local) N43°32'18.73414"	Longitude (Local) W104°53'58.95150"	Ellipsoid Height (m) 1367.138
 <p>SHERWIN, AA2131, 1, 20190719</p>			
 <p>SHERWIN, AA2131, 3E, 20190719</p>		 <p>SHERWIN, AA2131, 3N, 20190719</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID T 28	Northing (m) 2239126.168	Easting (m) -998802.398	Elevation (m) 2041.929
Point Type NS0016	Latitude (Local) N42°34'08.15426"	Longitude (Local) W108°16'29.30711"	Ellipsoid Height (m) 2029.276
			
			




T 28 2019 WY, 1, 20190808

T 28 2019 WY, 3E, 20190808

T 28 2019 WY, 3N, 20190808






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID T 346	Northing (m) 2463527.593	Easting (m) -648158.547	Elevation (m) 1056.518
Point Type AD9035	Latitude (Local) N44°54'27.54925"	Longitude (Local) W104°13'49.05430"	Ellipsoid Height (m) 1041.594
			
<p>T 346, AD9035, 1, 20190723</p>			
			
<p>T 346, AD9035, 3NW, 20190723</p>		<p>T 346, AD9035, 3S, 20190723</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID U 6	Northing (m) 2344625.328	Easting (m) -653915.110	Elevation (m) 1323.976
Point Type OU0046	Latitude (Local) N43°50'24.42568"	Longitude (Local) W104°10'24.58557"	Ellipsoid Height (m) 1309.941
 <p>U 6, OU0046, 1, 20190717</p>			
 <p>U 6, OU0046, 3E, 20190717</p>		 <p>U 6, OU0046, 3N, 20190717</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID U 20	Northing (m) 2246449.220	Easting (m) -1026558.400	Elevation (m) 2043.171
Point Type NS0044	Latitude (Local) N42°36'05.21434"	Longitude (Local) W108°37'25.89098"	Ellipsoid Height (m) 2031.569
 <p>U 20, NS0044, 1, 20190920</p>			
 <p>U 20, NS0044, 3E, 20190920</p>		 <p>U 20, NS0044, 3N, 20190920</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID U 44	Northing (m) 2298973.941	Easting (m) -1138889.912	Elevation (m) 2248.716
Point Type NT0008	Latitude (Local) N42°55'33.86994"	Longitude (Local) W110°04'52.35890"	Ellipsoid Height (m) 2237.338
 <p>U 44, NT0008, 1, 20190831</p>			
 <p>U 44, NT0008, 3N, 20190831</p>		 <p>U 44, NT0008, 3S, 20190831</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID U 53	Northing (m) 2253004.108	Easting (m) -677385.977	Elevation (m) 1337.543
Point Type NQ0039	Latitude (Local) N43°00'15.16822"	Longitude (Local) W104°21'53.36485"	Ellipsoid Height (m) 1322.842
 <p>U 53, NQ0039, 1, 20190621</p>			
 <p>U 53, NQ0039, 3E, 20190621</p>		 <p>U 53, NQ0039, 3N, 20190621</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID V 50	Northing (m) 2233315.051	Easting (m) -1157028.791	Elevation (m) 2031.052
Point Type NT0037	Latitude (Local) N42°19'15.88382"	Longitude (Local) W110°10'54.91193"	Ellipsoid Height (m) 2017.981
 <p>V 50, NT0037, 1, 20190904</p>			
 <p>V 50, NT0037, 3E, 20190904</p>		 <p>V 50, NT0037, 3N, 20190904</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID V 125	Northing (m) 2355654.601	Easting (m) -668011.826	Elevation (m) 1288.654
Point Type OU0067	Latitude (Local) N43°55'39.52060"	Longitude (Local) W104°21'39.22475"	Ellipsoid Height (m) 1274.461
		<p>V 125, OU0067, 1, 20190722</p>	
			
<p>V 125, OU0067, 3E, 20190722</p>		<p>V 125, OU0067, 3N, 20190722</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID W 39	Northing (m) 2367757.929	Easting (m) -850175.063	Elevation (m) 1552.328
Point Type OV0060	Latitude (Local) N43°52'21.38440"	Longitude (Local) W106°38'26.84935"	Ellipsoid Height (m) 1539.390
 <p>W 39, OV0060, 1, 20190925</p>			
 <p>W 39, OV0060, 3E, 20190925</p>		 <p>W 39, OV0060, 3N, 20190925</p>	

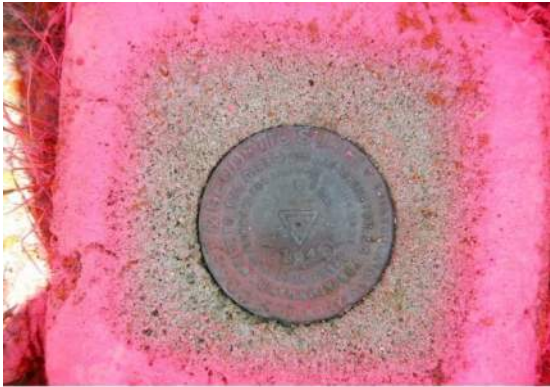




GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID W 99	Northing (m) 2202055.694	Easting (m) -736185.498	Elevation (m) 1437.692
Point Type NQ0282	Latitude (Local) N42°30'07.67042"	Longitude (Local) W105°01'37.64649"	Ellipsoid Height (m) 1423.641
 <p style="text-align: center; font-size: small;">W 99, NQ0282, 1, 20190619</p>			
 <p style="text-align: center; font-size: small;">W 99, NQ0282, 3N, 20190619</p>		 <p style="text-align: center; font-size: small;">W 99, NQ0282, 3W, 20190619</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID W BUTTE	Northing (m) 2489441.551	Easting (m) -708376.682	Elevation (m) 1356.932
Point Type QU0323	Latitude (Local) N45°05'25.86862"	Longitude (Local) W105°01'18.14686"	Ellipsoid Height (m) 1342.434
 <p>W BUTTE, QU0323, 1, 20190803</p>			
 <p>W BUTTE, QU0323, 3E, 20190803</p>		 <p>W BUTTE, QU0323, 3N, 20190803</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID Y 119	Northing (m) 2284598.183	Easting (m) -651022.439	Elevation (m) 1202.689
Point Type OU0104	Latitude (Local) N43°18'23.17493"	Longitude (Local) W104°04'26.12949"	Ellipsoid Height (m) 1187.770
 <p>Y 119, OU0104, 1, 20190718</p>			
 <p>Y 119, OU0104, 3S, 20190718</p>		 <p>Y 119, OU0104, 3SE, 20190718</p>	






GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID Y 209	Northing (m) 2563166.064	Easting (m) -654701.187	Elevation (m) 1027.324
Point Type QU0006	Latitude (Local) N45°47'42.86663"	Longitude (Local) W104°25'29.34061"	Ellipsoid Height (m) 1011.199
 <p>Y 209, QU0006, 1, 20190721</p>			
 <p>Y 209, QU0006, 3E, 20190721</p>		 <p>Y 209, QU0006, 3N, 20190721</p>	



GCP OBSERVATION LOG

Project Number 79935	Project Name WY FEMA East Lidar	Company Woolpert	Field Operator DM/EN/NP/SH/BW
Coordinate System Albers Equal Area (ESPG 6350)	Hor. Datum NAD 1983 (Conus)	Ver. Datum NAVD88	Zone Albers Equal Area ESPG 6350
Station ID Z 165	Northing (m) 2148452.514	Easting (m) -737586.535	Elevation (m) 1487.518
Point Type NQ0190	Latitude (Local) N42°01'25.50610"	Longitude (Local) W104°58'56.14450"	Ellipsoid Height (m) 1473.257
 <p>Z 165, NQ0190, 1, 20190629</p>			
 <p>Z 165, NQ0190, 3E, 20190629</p>		 <p>Z 165, NQ0190, 3N, 20190629</p>	

Section 4: Geodetic Control Information and Resources

This section contains the datasheets for survey monumentation that are part of the national spatial reference system, which is maintained by the National Geodetic Survey (NGS). Also included are solutions from the Online Positioning User Service (OPUS) for the temporary control stations that were used to establish 3-dimensional coordinates for each of the newly established ground control survey points and check points for the project.

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.3

```

1      National Geodetic Survey,   Retrieval Date = JULY  1, 2019
AA2118 *****
AA2118 CBN          -   This is a Cooperative Base Network Control Station.
AA2118 DESIGNATION -   PLGPS 1 RESET
AA2118 PID          -   AA2118
AA2118 STATE/COUNTY-   WY/PLATTE
AA2118 COUNTRY     -   US
AA2118 USGS QUAD   -   WHEATLAND (1990)
AA2118
AA2118                               *CURRENT SURVEY CONTROL
AA2118
AA2118* NAD 83(2011) POSITION- 42 02 36.68337(N) 104 57 52.50125(W) ADJUSTED
AA2118* NAD 83(2011) ELLIP HT- 1460.713 (meters) (06/27/12) ADJUSTED
AA2118* NAD 83(2011) EPOCH   - 2010.00
AA2118* NAVD 88 ORTHO HEIGHT - 1475.0 (meters) 4839. (feet) GPS OBS
AA2118
AA2118 NAVD 88 orthometric height was determined with geoid model GEOID93
AA2118 GEOID HEIGHT   -          -13.81 (meters) GEOID93
AA2118 GEOID HEIGHT   -          -14.331 (meters) GEOID12B
AA2118 NAD 83(2011) X - -1,225,223.694 (meters) COMP
AA2118 NAD 83(2011) Y - -4,583,929.082 (meters) COMP
AA2118 NAD 83(2011) Z -  4,250,173.408 (meters) COMP
AA2118 LAPLACE CORR   -          -12.19 (seconds) DEFLEC12B
AA2118
AA2118 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
AA2118 Standards:
AA2118          FGDC (95% conf, cm)      Standard deviation (cm)      CorrNE
AA2118          Horiz Ellip              SD_N   SD_E   SD_h      (unitless)
AA2118 -----
AA2118 NETWORK      1.70    4.78              0.80   0.54   2.44      -0.05604902
AA2118 -----
AA2118 Click here for local accuracies and other accuracy information.
AA2118
AA2118
AA2118.The horizontal coordinates were established by GPS observations
AA2118.and adjusted by the National Geodetic Survey in June 2012.
AA2118
AA2118.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
AA2118.been affixed to the stable North American tectonic plate. See
AA2118.NA2011 for more information.
AA2118
AA2118.The horizontal coordinates are valid at the epoch date displayed above
AA2118.which is a decimal equivalence of Year/Month/Day.
AA2118
AA2118.The orthometric height was determined by GPS observations and a
AA2118.high-resolution geoid model.
AA2118

```

AA2118. Significant digits in the geoid height do not necessarily reflect accuracy.

AA2118. GEOID12B height accuracy estimate available [here](#).

AA2118

AA2118. The X, Y, and Z were computed from the position and the ellipsoidal ht.

AA2118

AA2118. The Laplace correction was computed from DEFLEC12B derived deflections.

AA2118

AA2118. The ellipsoidal height was determined by GPS observations

AA2118. and is referenced to NAD 83.

AA2118

AA2118. The following values were computed from the NAD 83(2011) position.

AA2118

AA2118;		North	East	Units	Scale Factor	Converg.
AA2118;SPC WY E	-	171,431.452	216,730.273	MT	0.99994094	+0 08 07.2
AA2118;SPC WY E	-	562,438.02	711,055.90	sFT	0.99994094	+0 08 07.2
AA2118;UTM 13	-	4,654,609.176	502,931.096	MT	0.99960011	+0 01 25.4
AA2118!	-	Elev Factor x Scale Factor = Combined Factor				
AA2118!SPC WY E	-	0.99977095	x	0.99994094	=	0.99971191
AA2118!UTM 13	-	0.99977095	x	0.99960011	=	0.99937115

AA2118

AA2118_U.S. NATIONAL GRID SPATIAL ADDRESS: 13TEG0293154609(NAD 83)

AA2118

SUPERSEDED SURVEY CONTROL

AA2118

AA2118	NAD 83(2007)-	42 02 36.68319(N)	104 57 52.50216(W)	AD(2002.00)	0
AA2118	ELLIP H (02/10/07)	1460.739 (m)		GP(2002.00)	
AA2118	ELLIP H (09/07/01)	1460.771 (m)		GP()	4 1
AA2118	NAD 83(1993)-	42 02 36.68232(N)	104 57 52.50234(W)	AD()	B
AA2118	ELLIP H (10/19/94)	1460.806 (m)		GP()	4 1

AA2118

AA2118. Superseded values are not recommended for survey control.

AA2118

AA2118. NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

AA2118. See file [dsdata.pdf](#) to determine how the superseded data were derived.

AA2118

AA2118_MARKER: DD = SURVEY DISK

AA2118_SETTING: 59 = STAINLESS STEEL ROD IN SLEEVE (10 FT.+)

AA2118_STAMPING: PLGPS 1 1993 RESET

AA2118_MARK LOGO: WYDT

AA2118_PROJECTION: FLUSH

AA2118_MAGNETIC: I = MARKER IS A STEEL ROD

AA2118_STABILITY: A = MOST RELIABLE AND EXPECTED TO HOLD

AA2118+STABILITY: POSITION/ELEVATION WELL

AA2118_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AA2118+SATELLITE: SATELLITE OBSERVATIONS - March 25, 2014

AA2118

AA2118	HISTORY	- Date	Condition	Report By
AA2118	HISTORY	- 1993	MONUMENTED	WYDT
AA2118	HISTORY	- 20140325	GOOD	WYDT

AA2118

AA2118

AA2118

STATION DESCRIPTION

AA2118

AA2118'DESCRIBED BY WYOMING DEPARTMENT OF TRANSPORTATION 1993 (RDR)

AA2118'STATION IS LOCATED ABOUT 2 KM (1.25 MI) SOUTH-SOUTHWEST OF WHEATLAND,
 AA2118'ALONG INTERSTATE HIGHWAY 25, 0.4 KM (0.25 MI) SOUTH OF A HIGHWAY
 AA2118'OVERPASS AT EXIT 78, ALONG THE NORTHBOUND LANES, ON A 15 M (49.2 FT)
 AA2118'HIGH CUTBANK, AT THE BEGINNING OF THE NORTHBOUND EXIT RAMP, IN THE
 AA2118'NORTHWEST 1/4 OF SECTION 24, T 24 N, R 68 W. OWNERSHIP--STATE HIGHWAY
 AA2118'DEPARTMENT. TO REACH FROM THE OVERPASS AT THE JUNCTION OF INTERSTATE
 AA2118'HIGHWAY 25 AND U.S. HIGHWAYS 87 AND 87 BUSINESS (EXIT 78) ON THE
 AA2118'SOUTHWEST SIDE OF WHEATLAND, GO EAST ON HIGHWAY 87 BUSINESS FOR 0.20
 AA2118'KM (0.10 MI) TO A T-ROAD. TURN RIGHT, SOUTH, ON PAVED ROAD FOR 0.15
 AA2118'KM (0.10 MI) TO A CROSS STREET. TURN RIGHT, WEST, FOR 40 M (131.2 FT)
 AA2118'TO ROAD CURVE LEFT. CONTINUE AHEAD ON DIRT LANE FOR 0.05 KM (0.05 MI)
 AA2118'TO THE HIGHWAY RIGHT-OF-WAY FENCE. TURN LEFT, SOUTH, ALONG FENCE,
 AA2118'PASSING A MOBILE HOME, FOR 0.20 KM (0.10 MI) TO THE STATION ON THE
 AA2118'RIGHT, ACROSS THE FENCE. STATION MARK IS A DISK ON A STEEL ROD ENCASED
 AA2118'IN A PVC PIPE WITH LOGO CAP SET IN A CONCRETE POST FLUSH WITH THE
 AA2118'GROUND. IT IS 2.2 M (7.2 FT) WEST OF A FIBERGLASS WITNESS POST IN THE
 AA2118'FENCE LINE, 50.3 M (165.0 FT) NORTH OF UNUSED UTILITY POLE C 6, 66.8 M
 AA2118'(219.2 FT) SOUTH OF THE CENTER ONE OF THREE HORIZONTALLY BRACED FENCE
 AA2118'POSTS AT BEND IN FENCE LINE, AND 38.8 M (127.3 FT) (SLOPE) EAST OF
 AA2118'METAL LIGHT POLE 4 ALONG THE EXIT RAMP OF HIGHWAY 25. DESCRIBED BY
 AA2118'G.R.HEID

AA2118

STATION RECOVERY (2014)

AA2118

AA2118

AA2118'RECOVERY NOTE BY WYOMING DEPARTMENT OF TRANSPORTATION 2014 (KB)

AA2118'STATION FOUND IN GOOD CONDITION.

*** retrieval complete.

Elapsed Time = 00:00:05

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.3

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1      National Geodetic Survey,   Retrieval Date = AUGUST 20, 2019
AA2122 *****
AA2122 FBN          -   This is a Federal Base Network Control Station.
AA2122 DESIGNATION -   HART
AA2122 PID          -   AA2122
AA2122 STATE/COUNTY-   WY/FREMONT
AA2122 COUNTRY      -   US
AA2122 USGS QUAD    -   LANDER (1978)
AA2122
AA2122                      *CURRENT SURVEY CONTROL
AA2122
AA2122* NAD 83(2011) POSITION- 42 50 16.18787(N) 108 43 02.35522(W) ADJUSTED
AA2122* NAD 83(2011) ELLIP HT- 1626.906 (meters) (06/27/12) ADJUSTED
AA2122* NAD 83(2011) EPOCH   - 2010.00
AA2122* NAVD 88 ORTHO HEIGHT - 1639.1 (meters) 5378. (feet) GPS OBS
AA2122
AA2122 NAVD 88 orthometric height was determined with geoid model GEOID09
AA2122 GEOID HEIGHT   -      -12.099 (meters) GEOID09
AA2122 GEOID HEIGHT   -      -12.148 (meters) GEOID12B
AA2122 NAD 83(2011) X - -1,503,546.273 (meters) COMP
AA2122 NAD 83(2011) Y - -4,437,618.228 (meters) COMP
AA2122 NAD 83(2011) Z -  4,315,414.746 (meters) COMP
AA2122 LAPLACE CORR   -      -15.26 (seconds) DEFLEC12B
AA2122
AA2122 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
AA2122 Standards:
AA2122          FGDC (95% conf, cm)      Standard deviation (cm)      CorrNE
AA2122          Horiz Ellip              SD_N   SD_E   SD_h      (unitless)
AA2122 -----
AA2122 NETWORK      1.35   2.14              0.54   0.56   1.09      -0.00369829
AA2122 -----
AA2122 Click here for local accuracies and other accuracy information.
AA2122
AA2122
AA2122.The horizontal coordinates were established by GPS observations
AA2122.and adjusted by the National Geodetic Survey in June 2012.
AA2122
AA2122.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
AA2122.been affixed to the stable North American tectonic plate. See
AA2122.NA2011 for more information.
AA2122
AA2122.The horizontal coordinates are valid at the epoch date displayed above
AA2122.which is a decimal equivalence of Year/Month/Day.
AA2122
AA2122.The orthometric height was determined by GPS observations and a
AA2122.high-resolution geoid model.
AA2122

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AA2122. Significant digits in the geoid height do not necessarily reflect accuracy.

AA2122. GEOID12B height accuracy estimate available [here](#).

AA2122

AA2122. [Photographs](#) are available for this station.

AA2122

AA2122. The X, Y, and Z were computed from the position and the ellipsoidal ht.

AA2122

AA2122. The Laplace correction was computed from DEFLEC12B derived deflections.

AA2122

AA2122. The ellipsoidal height was determined by GPS observations

AA2122. and is referenced to NAD 83.

AA2122

AA2122. The following values were computed from the NAD 83(2011) position.

AA2122

AA2122;		North	East	Units	Scale	Factor	Converg.
AA2122;SPC WYWC	-	259,639.765	602,671.516	MT	0.99993759	+0 01	20.0
AA2122;SPC WYWC	-	851,834.80	1,977,264.80	sFT	0.99993759	+0 01	20.0
AA2122;UTM 12	-	4,745,333.713	686,549.781	MT	1.00002815	+1 33	09.0

AA2122

AA2122! - Elev Factor x Scale Factor = Combined Factor

AA2122!SPC WYWC - 0.99974492 x 0.99993759 = 0.99968253

AA2122!UTM 12 - 0.99974492 x 1.00002815 = 0.99977307

AA2122

AA2122 U.S. NATIONAL GRID SPATIAL ADDRESS: 12TXN8654945333(NAD 83)

AA2122

SUPERSEDED SURVEY CONTROL

AA2122

AA2122 NAD 83(2007)- 42 50 16.18763(N) 108 43 02.35644(W) AD(2002.00) 0

AA2122 ELLIP H (02/10/07) 1626.919 (m) GP(2002.00)

AA2122 ELLIP H (02/28/01) 1626.949 (m) GP() 2 1

AA2122 NAD 83(1993)- 42 50 16.18628(N) 108 43 02.35604(W) AD() B

AA2122 ELLIP H (10/19/94) 1626.895 (m) GP() 4 1

AA2122 NAVD 88 (02/28/01) 1639.1 (m) GEOID99 model used GPS OBS

AA2122 NAVD 88 (10/19/94) 1639.0 (m) GEOID93 model used GPS OBS

AA2122

AA2122. Superseded values are not recommended for survey control.

AA2122

AA2122. NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

AA2122. See file [dsdata.pdf](#) to determine how the superseded data were derived.

AA2122

AA2122_MARKER: DD = SURVEY DISK

AA2122_SETTING: 59 = STAINLESS STEEL ROD IN SLEEVE (10 FT.+)

AA2122_STAMPING: HART

AA2122_MARK LOGO: WYDT

AA2122_PROJECTION: RECESSED 5 CENTIMETERS

AA2122_MAGNETIC: N = NO MAGNETIC MATERIAL

AA2122_STABILITY: A = MOST RELIABLE AND EXPECTED TO HOLD

AA2122+STABILITY: POSITION/ELEVATION WELL

AA2122_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AA2122+SATELLITE: SATELLITE OBSERVATIONS - June 03, 2018

AA2122

AA2122	HISTORY	- Date	Condition	Report By
AA2122	HISTORY	- 1993	MONUMENTED	WYDT
AA2122	HISTORY	- 19990714	GOOD	NGS

AA2122 HISTORY - 20070710 GOOD INDIV
 AA2122 HISTORY - 20100914 GOOD WOOLPT
 AA2122 HISTORY - 20180603 GOOD WOOLPT

AA2122

AA2122

AA2122

STATION DESCRIPTION

AA2122'DESCRIBED BY WYOMING DEPARTMENT OF TRANSPORTATION 1993

AA2122'NOTE--STATION IS AN OFFCENTER PUNCH MARK IN A TRIANGLE OVER THE LETTER
 AA2122'A IN HART. STATION IS LOCATED ABOUT 2 KM (1.25 MI) EAST OF LANDER, 1
 AA2122'KM (0.60 MI) SOUTHWEST OF THE WYOMING STATE TRAINING SCHOOL, ALONG
 AA2122'STATE HIGHWAY 789, ON THE SOUTHEASTERN RIGHT-OF-WAY, ADJACENT TO A
 AA2122'FIELD, IN THE NORTHEAST 1/4 OF SECTION 17, T 53 N, R 1 E.

AA2122'OWNERSHIP--WYOMING DEPARTMENT OF TRANSPORTATION. TO REACH FROM THE
 AA2122'JUNCTION OF US HIGHWAY 287 AND STATE HIGHWAY 789 ON THE EAST SIDE OF
 AA2122'LANDER, GO NORTHEAST ON HIGHWAY 789 FOR 0.94 KM (0.60 MI) TO THE
 AA2122'STATION ON THE RIGHT, 0.13 KM (0.10 MI) BEFORE REACHING A PAVED ROAD
 AA2122'RIGHT LEADING TO THE TRAINING SCHOOL. STATION MARK IS A PUNCH HOLE IN
 AA2122'AN OFFSET TRIANGLE ON A DISK ATTACHED TO A ROD IN A PIPE WITH LOGO CAP
 AA2122'SET IN CONCRETE PROJECTING 1 CM ABOVE GROUND. IT IS 12.2 M (40.0 FT)
 AA2122'SOUTHEAST OF, AND 0.5 M (1.6 FT) HIGHER THAN THE HIGHWAY CURB, 0.8 M
 AA2122'(2.6 FT) NORTHWEST OF A FIBERGLASS WITNESS POST IN THE FENCELINE, 25 M
 AA2122'(82.0 FT) SOUTHEAST OF THE EXTENDED CENTER OF SHRINE CLUB ROAD ACROSS
 AA2122'THE HIGHWAY, AND 64.2 M (210.6 FT) SOUTHWEST OF THE CENTER OF A DOUBLE
 AA2122'PIPE GATE AT THE FIELD ENTRANCE. DESCRIBED BY G.R.HEID

AA2122

AA2122

AA2122

STATION RECOVERY (1999)

AA2122'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1999 (CSM)

AA2122'RECOVERED BY NATIONAL GEODETIC SURVEY. RECOVERED IN GOOD CONDITION
 AA2122'AND AS PREVIOUSLY DESCRIBED.

AA2122

AA2122

AA2122

STATION RECOVERY (2007)

AA2122'RECOVERY NOTE BY INDIVIDUAL CONTRIBUTORS 2007

AA2122'RECOVERED IN GOOD CONDITION.

AA2122

AA2122

AA2122

STATION RECOVERY (2010)

AA2122'RECOVERY NOTE BY WOOLPERT CONSULTANTS 2010 (BAJ)

AA2122'RECOVERED AS DESCRIBED

AA2122

AA2122

AA2122

STATION RECOVERY (2018)

AA2122'RECOVERY NOTE BY WOOLPERT CONSULTANTS 2018 (ZJH)

AA2122'RECOVERED AS DESCRIBED.

*** retrieval complete.

Elapsed Time = 00:00:05

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.3

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1      National Geodetic Survey,  Retrieval Date = JULY 22, 2019
AA2131 *****
AA2131 CBN          -  This is a Cooperative Base Network Control Station.
AA2131 DESIGNATION -  SHERWIN
AA2131 PID          -  AA2131
AA2131 STATE/COUNTY-  WY/WESTON
AA2131 COUNTRY     -  US
AA2131 USGS QUAD   -  PODDY CREEK (1982)
AA2131
AA2131                      *CURRENT SURVEY CONTROL
AA2131
AA2131* NAD 83(2011) POSITION- 43 32 18.73474(N) 104 53 58.95043(W) ADJUSTED
AA2131* NAD 83(2011) ELLIP HT- 1367.114 (meters) (06/27/12) ADJUSTED
AA2131* NAD 83(2011) EPOCH   - 2010.00
AA2131* NAVD 88 ORTHO HEIGHT - 1382.5 (meters) 4536. (feet) GPS OBS
AA2131
AA2131 NAVD 88 orthometric height was determined with geoid model GEOID93
AA2131 GEOID HEIGHT   -          -14.85 (meters) GEOID93
AA2131 GEOID HEIGHT   -          -15.433 (meters) GEOID12B
AA2131 NAD 83(2011) X - -1,190,999.621 (meters) COMP
AA2131 NAD 83(2011) Y - -4,476,197.296 (meters) COMP
AA2131 NAD 83(2011) Z -  4,372,008.276 (meters) COMP
AA2131 LAPLACE CORR   -           -1.59 (seconds) DEFLEC12B
AA2131
AA2131 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
AA2131 Standards:
AA2131          FGDC (95% conf, cm)      Standard deviation (cm)      CorrNE
AA2131          Horiz Ellip              SD_N   SD_E   SD_h      (unitless)
AA2131 -----
AA2131 NETWORK      1.39   3.92              0.65   0.45   2.00      -0.06026038
AA2131 -----
AA2131 Click here for local accuracies and other accuracy information.
AA2131
AA2131
AA2131.The horizontal coordinates were established by GPS observations
AA2131.and adjusted by the National Geodetic Survey in June 2012.
AA2131
AA2131.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
AA2131.been affixed to the stable North American tectonic plate. See
AA2131.NA2011 for more information.
AA2131
AA2131.The horizontal coordinates are valid at the epoch date displayed above
AA2131.which is a decimal equivalence of Year/Month/Day.
AA2131
AA2131.The orthometric height was determined by GPS observations and a
AA2131.high-resolution geoid model.
AA2131

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AA2131. Significant digits in the geoid height do not necessarily reflect accuracy.

AA2131. GEOID12B height accuracy estimate available [here](#).

AA2131

AA2131. The X, Y, and Z were computed from the position and the ellipsoidal ht.

AA2131

AA2131. The Laplace correction was computed from DEFLEC12B derived deflections.

AA2131

AA2131. The ellipsoidal height was determined by GPS observations

AA2131. and is referenced to NAD 83.

AA2131

AA2131. The following values were computed from the NAD 83(2011) position.

AA2131

AA2131;		North	East	Units	Scale Factor	Converg.
AA2131;SPC WY E	-	337,515.086	221,575.612	MT	0.99994322	+0 11 02.0
AA2131;SPC WY E	-	1,107,330.74	726,952.65	sFT	0.99994322	+0 11 02.0
AA2131;UTM 13	-	4,820,626.172	508,102.844	MT	0.99960081	+0 04 08.7
AA2131!	-	Elev Factor	x	Scale Factor	=	Combined Factor
AA2131!SPC WY E	-	0.99978566	x	0.99994322	=	0.99972890
AA2131!UTM 13	-	0.99978566	x	0.99960081	=	0.99938656

AA2131

AA2131 U.S. NATIONAL GRID SPATIAL ADDRESS: 13TEJ0810220626(NAD 83)

AA2131

SUPERSEDED SURVEY CONTROL

AA2131

AA2131	NAD 83(2007)-	43 32 18.73455(N)	104 53 58.95155(W)	AD(2002.00)	0
AA2131	ELLIP H (02/10/07)	1367.139 (m)		GP(2002.00)	
AA2131	ELLIP H (09/07/01)	1367.164 (m)		GP()	4 1
AA2131	NAD 83(1993)-	43 32 18.73355(N)	104 53 58.95150(W)	AD()	B
AA2131	ELLIP H (10/19/94)	1367.241 (m)		GP()	4 1

AA2131

AA2131. Superseded values are not recommended for survey control.

AA2131

AA2131. NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

AA2131. See file [dsdata.pdf](#) to determine how the superseded data were derived.

AA2131

AA2131_MARKER: DH = HORIZONTAL CONTROL DISK

AA2131_SETTING: 17 = SET INTO TOP OF METAL PIPE DRIVEN INTO GROUND

AA2131_STAMPING: SHERWIN ET 1962

AA2131_MARK LOGO: USDA

AA2131_MAGNETIC: P = MARKER IS A STEEL PIPE

AA2131_STABILITY: D = MARK OF QUESTIONABLE OR UNKNOWN STABILITY

AA2131_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AA2131+SATELLITE: SATELLITE OBSERVATIONS - June 15, 1993

AA2131

AA2131	HISTORY	-	Date	Condition	Report By
AA2131	HISTORY	-	1962	MONUMENTED	USDA
AA2131	HISTORY	-	19930615	GOOD	NGS

AA2131

AA2131 STATION DESCRIPTION

AA2131

AA2131'DESCRIBED BY NATIONAL GEODETIC SURVEY 1993 (GRH)

AA2131'NOTE--SINCE THE REFERENCE MARKS FOR THIS STATION WILL NOT BE IN THE

AA2131'NGS DATABASE, THEY ARE DESCRIBED WITH THE STATION AS REFERENCES. NO

AA2131'DATA AVAILABLE ON POSSIBLE AZIMUTH MARK. STATION IS LOCATED ABOUT 68
AA2131'KM (42.25 MI) SOUTHWEST OF NEWCASTLE, 52 KM (32.30 MI) SOUTHEAST OF
AA2131'RENO JUNCTION (AT WRIGHT), 4 KM (2.50 MI) NORTH OF THE WESTON-CONVERSE
AA2131'COUNTY LINE, IN THE THUNDER BASIN NATIONAL GRASSLAND, ON PRIVATE
AA2131'PROPERTY, ON A SMALL ROCKY KNOB, IN THE SOUTHWEST 1/4 OF SECTION 9, T
AA2131'41 N, R 67 W. OWNERSHIP--JEAN SEARS, 1162 LYNCH ROAD, NEWCASTLE, WY.
AA2131'PHONE IS 307-746-2815. TO REACH FROM THE JUNCTION OF STATE HIGHWAYS 59
AA2131'AND 450 (5 KM SOUTH OF RENO JUNCTION), GO EAST ON HIGHWAY 450 FOR
AA2131'33.30 KM (20.70 MI) TO THE COUNTY LINE. CONTINUE EAST FOR 13.44 KM
AA2131'(8.35 MI) TO A GRAVEL ROAD RIGHT AT MILE 37.3. TURN RIGHT, SOUTH,
AA2131'DOWNGRADE, ON LYNCH ROAD FOR 1.96 KM (1.20 MI) TO A ROAD RIGHT AT OLD
AA2131'HOUSE. CONTINUE SOUTH FOR 8.42 KM (5.25 MI) TO A FORK. KEEP RIGHT,
AA2131'SOUTHWEST, ON LYNCH ROAD FOR 0.70 KM (0.45 MI) TO A FORK. BEAR LEFT,
AA2131'SOUTHEAST, ON LYNCH ROAD FOR 4.41 KM (2.75 MI) TO TOP OF RISE AND
AA2131'STATION ON THE RIGHT. STATION MARK IS A DISK ON A PIPE PROJECTING 10
AA2131'CM ABOVE GROUND ON THE NORTH SIDE OF THE SANDSTONE KNOB. IT IS 43.5 M
AA2131'(142.7 FT) WEST OF, AND 5 M (16.4 FT) HIGHER THAN THE ROAD CENTER, 1.4
AA2131'M (4.6 FT) WEST-SOUTHWEST OF A WOOD WITNESS POST, AND 1.5 M (4.9 FT)
AA2131'SOUTH OF THE NORTH EDGE OF THE HILL. REFERENCE MARK 1 IS A DISK ON A
AA2131'PIPE PROJECTING 15 CM ABOVE GROUND BETWEEN TWO OUTCROPS, AND
AA2131'STAMPED-SHERWIN RM 1 1962. IT IS ON THE EAST END OF THE HILL, 39.5 M
AA2131'(129.6 FT) WEST OF, AND 5 M (16.4 FT) HIGHER THAN THE ROAD CENTER, AND
AA2131'7.9 M (25.9 FT) SOUTH-SOUTHEAST OF THE WITNESS POST. REFERENCE MARK 1
AA2131'IS A DISK ON A PIPE PROJECTING 15 CM ABOVE GROUND IN A SLIGHT SADDLE.
AA2131'IT IS 50.5 M (165.7 FT) WEST OF THE ROAD CENTER, AND 9.8 M (32.2 FT)
AA2131'SOUTHWEST OF THE WITNESS POST. DESCRIBED BY G.R.HEID

*** retrieval complete.
Elapsed Time = 00:00:05

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.3

1 National Geodetic Survey, Retrieval Date = JULY 24, 2019

AD9035 *****

AD9035 DESIGNATION - T 346

AD9035 PID - AD9035

AD9035 STATE/COUNTY- WY/CROOK

AD9035 COUNTRY - US

AD9035 USGS QUAD - SHEPARD RESERVOIR (1984)

AD9035

AD9035 *CURRENT SURVEY CONTROL

AD9035

AD9035* NAD 83(1986) POSITION- 44 54 28. (N) 104 13 51. (W) SCALED

AD9035* [NAVD 88](#) ORTHO HEIGHT - 1056.534 (meters) 3466.31 (feet) ADJUSTED

AD9035

AD9035 GEOID HEIGHT - -14.923 (meters) GEOID12B

AD9035 DYNAMIC HEIGHT - 1056.254 (meters) 3465.39 (feet) COMP

AD9035 MODELED GRAVITY - 980,315.4 (mgal) NAVD 88

AD9035

AD9035 VERT ORDER - FIRST CLASS II

AD9035

AD9035.The horizontal coordinates were scaled from a topographic map and have
AD9035.an estimated accuracy of +/- 6 seconds.

AD9035.

AD9035.The orthometric height was determined by differential leveling and
AD9035.adjusted by the NATIONAL GEODETIC SURVEY

AD9035.in July 1998.

AD9035

AD9035.Significant digits in the geoid height do not necessarily reflect accuracy.
AD9035.GEOID12B height accuracy estimate available [here](#).

AD9035

AD9035.The dynamic height is computed by dividing the NAVD 88
AD9035.geopotential number by the normal gravity value computed on the
AD9035.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
AD9035.degrees latitude (g = 980.6199 gals.).

AD9035

AD9035.The modeled gravity was interpolated from observed gravity values.

AD9035

AD9035;	North	East	Units	Estimated Accuracy
AD9035;SPC WY E -	490,040.	273,900.	MT	(+/- 180 meters Scaled)

AD9035

AD9035_U.S. NATIONAL GRID SPATIAL ADDRESS: 13TEK607729(NAD 83)

AD9035

AD9035 SUPERSEDED SURVEY CONTROL

AD9035

AD9035.No superseded survey control is available for this station.

AD9035

AD9035_MARKER: I = METAL ROD

AD9035_SETTING: 59 = STAINLESS STEEL ROD IN SLEEVE (10 FT.+)

AD9035_STAMPING: T 346 1995

AD9035_MARK LOGO: NGS
 AD9035_PROJECTION: FLUSH
 AD9035_MAGNETIC: I = MARKER IS A STEEL ROD
 AD9035_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL
 AD9035_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
 AD9035+SATELLITE: SATELLITE OBSERVATIONS - 1995
 AD9035_ROD/PIPE-DEPTH: 6.7 meters
 AD9035_SLEEVE-DEPTH : 0.9 meters

AD9035
 AD9035 HISTORY - Date Condition Report By
 AD9035 HISTORY - 1995 MONUMENTED NGS

AD9035

AD9035 STATION DESCRIPTION

AD9035

AD9035'DESCRIBED BY NATIONAL GEODETIC SURVEY 1995 (GAS)
 AD9035'19.9 KM (12.35 MI) SOUTHEASTERLY ALONG U.S. HIGHWAY 212 FROM THE
 AD9035'JUNCTION OF STATE HIGHWAY 323 IN ALZADA, MONTANA, 22.0 M (72.2 FT)
 AD9035'SOUTHWEST OF THE HIGHWAY CENTERLINE, 0.6 M (2.0 FT) NORTHEAST OF A
 AD9035'WITNESS POST AND THE SOUTHEAST END OF TWO BRACED FENCE POSTS, AND 0.5
 AD9035'M (1.6 FT) BELOW THE LEVEL OF THE HIGHWAY. NOTE--ACCESS TO THE DATUM
 AD9035'POINT IS THROUGH A 5-INCH LOGO CAP. THE SLEEVE DEPTH DOES NOT MEET
 AD9035'THE SPECIFICATIONS FOR A CLASS A MARK.

*** retrieval complete.

Elapsed Time = 00:00:04

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.3

1 National Geodetic Survey, Retrieval Date = AUGUST 5, 2019

AI3952 *****

AI3952 DESIGNATION - 20 001.80

AI3952 PID - AI3952

AI3952 STATE/COUNTY- SD/HARDING

AI3952 COUNTRY - US

AI3952 USGS QUAD - CAPITOL ROCK (1993)

AI3952

AI3952 *CURRENT SURVEY CONTROL

AI3952

AI3952* NAD 83(1986) POSITION- 45 32 56. (N) 104 01 05. (W) SCALED

AI3952* [NAVD 88](#) ORTHO HEIGHT - 971.029 (meters) 3185.78 (feet) ADJUSTED

AI3952

AI3952 GEOID HEIGHT - -16.069 (meters) GEOID12B

AI3952 DYNAMIC HEIGHT - 970.829 (meters) 3185.13 (feet) COMP

AI3952 MODELED GRAVITY - 980,377.3 (mgal) NAVD 88

AI3952

AI3952 VERT ORDER - FIRST CLASS II

AI3952

AI3952.The horizontal coordinates were scaled from a topographic map and have
AI3952.an estimated accuracy of +/- 6 seconds.

AI3952.

AI3952.The orthometric height was determined by differential leveling and
AI3952.adjusted by the NATIONAL GEODETIC SURVEY

AI3952.in April 2000.

AI3952

AI3952.No vertical observational check was made to the station.

AI3952

AI3952.Significant digits in the geoid height do not necessarily reflect accuracy.

AI3952.GEOID12B height accuracy estimate available [here](#).

AI3952

AI3952.The dynamic height is computed by dividing the NAVD 88

AI3952.geopotential number by the normal gravity value computed on the

AI3952.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

AI3952.degrees latitude (g = 980.6199 gals.).

AI3952

AI3952.The modeled gravity was interpolated from observed gravity values.

AI3952

AI3952;	North	East	Units	Estimated Accuracy
AI3952;SPC SD N	- 198,430.	286,370.	MT	(+/- 180 meters Scaled)

AI3952

AI3952_U.S. NATIONAL GRID SPATIAL ADDRESS: 13TEL766443(NAD 83)

AI3952

AI3952 SUPERSEDED SURVEY CONTROL

AI3952

AI3952.No superseded survey control is available for this station.

AI3952

AI3952_MARKER: DD = SURVEY DISK

AI3952_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

AI3952_STAMPING: 20-1.80 1997

AI3952_MARK LOGO: SDSM

AI3952_MAGNETIC: N = NO MAGNETIC MATERIAL

AI3952_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

AI3952+STABILITY: SURFACE MOTION

AI3952_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

AI3952+SATELLITE: SATELLITE OBSERVATIONS - October 30, 1998

AI3952

AI3952	HISTORY	- Date	Condition	Report By
AI3952	HISTORY	- 1997	MONUMENTED	SDDT
AI3952	HISTORY	- 19981030	GOOD	NGS

AI3952

AI3952 STATION DESCRIPTION

AI3952

AI3952'DESCRIBED BY NATIONAL GEODETIC SURVEY 1998 (GAS)

AI3952'0.1 KM (0.05 MI) SOUTHERLY ALONG COUNTY ROAD 867 FROM THE POST OFFICE

AI3952'IN CAMP CROOK, THENCE 3.4 KM (2.10 MI) WESTERLY ALONG STATE HIGHWAY

AI3952'20, 374.5 M (1228.7 FT) WEST OF MILEPOST 2, 10.4 M (34.1 FT) NORTH OF

AI3952'THE HIGHWAY CENTER, 5.0 M (16.4 FT) WEST OF THE CENTER OF A FIELD

AI3952'ENTRANCE, 1.7 M (5.6 FT) EAST OF THE EXTENDED CENTER OF A DRIVEWAY,

AI3952'0.6 M (2.0 FT) SOUTH OF A FENCE, 0.4 M (1.3 FT) SOUTH OF A WITNESS

AI3952'POST, 0.3 M (1.0 FT) BELOW THE LEVEL OF THE HIGHWAY, AND THE MONUMENT

AI3952'IS FLUSH WITH THE GROUND SURFACE. NOTE--THE MONUMENT IS ON HIGHWAY

AI3952'RIGHT-OF-WAY.

*** retrieval complete.

Elapsed Time = 00:00:04

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.3

1 National Geodetic Survey, Retrieval Date = JULY 1, 2019

MO0301 *****

MO0301 DESIGNATION - F 92

MO0301 PID - MO0301

MO0301 STATE/COUNTY- WY/LARAMIE

MO0301 COUNTRY - US

MO0301 USGS QUAD - MOFFETT RANCH (1990)

MO0301

MO0301 *CURRENT SURVEY CONTROL

MO0301

MO0301* NAD 83(1986) POSITION- 41 33 59.08 (N) 104 51 43.86 (W) HD_HELD1

MO0301* [NAVD 88](#) ORTHO HEIGHT - 1775.023 (meters) 5823.55 (feet) ADJUSTED

MO0301

MO0301 GEOID HEIGHT - -15.255 (meters) GEOID12B

MO0301 DYNAMIC HEIGHT - 1773.620 (meters) 5818.95 (feet) COMP

MO0301 MODELED GRAVITY - 979,769.2 (mgal) NAVD 88

MO0301

MO0301 VERT ORDER - SECOND CLASS 0

MO0301

MO0301.The horizontal coordinates were determined by differentially corrected
MO0301.hand held GPS observations or other comparable positioning techniques
MO0301.and have an estimated accuracy of +/- 3 meters.

MO0301.

MO0301.The orthometric height was determined by differential leveling and

MO0301.adjusted by the NATIONAL GEODETIC SURVEY

MO0301.in June 1991.

MO0301

MO0301.WARNING-Repeat measurements at this control monument indicate possible
MO0301.vertical movement.

MO0301

MO0301.Significant digits in the geoid height do not necessarily reflect accuracy.

MO0301.GEOID12B height accuracy estimate available [here](#).

MO0301

MO0301.[Photographs](#) are available for this station.

MO0301

MO0301.The dynamic height is computed by dividing the NAVD 88

MO0301.geopotential number by the normal gravity value computed on the

MO0301.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

MO0301.degrees latitude (g = 980.6199 gals.).

MO0301

MO0301.The modeled gravity was interpolated from observed gravity values.

MO0301

MO0301;	North	East	Units	Estimated Accuracy
MO0301;SPC WY E -	118,467.2	225,395.6	MT	(+/- 3 meters HH1 GPS)

MO0301

MO0301_U.S. NATIONAL GRID SPATIAL ADDRESS: 13TEG1149001646(NAD 83)

MO0301

MO0301 SUPERSEDED SURVEY CONTROL
MO0301
MO0301 NGVD 29 (??/??/92) 1774.108 (m) 5820.55 (f) ADJ UNCH 2 0
MO0301
MO0301.Superseded values are not recommended for survey control.
MO0301
MO0301.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
MO0301.See file [dsdata.pdf](#) to determine how the superseded data were derived.
MO0301
MO0301_MARKER: DB = BENCH MARK DISK
MO0301_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
MO0301_STAMPING: F 92 1934
MO0301_MARK LOGO: CGS
MO0301_PROJECTION: PROJECTING 10 CENTIMETERS
MO0301_MAGNETIC: N = NO MAGNETIC MATERIAL
MO0301_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
MO0301+STABILITY: SURFACE MOTION
MO0301_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
MO0301+SATELLITE: SATELLITE OBSERVATIONS - May 07, 2018
MO0301
MO0301 HISTORY - Date Condition Report By
MO0301 HISTORY - 1934 MONUMENTED CGS
MO0301 HISTORY - 1941 GOOD CGS
MO0301 HISTORY - 20180507 GOOD WYGFD
MO0301
MO0301 STATION DESCRIPTION
MO0301
MO0301'DESCRIBED BY COAST AND GEODETIC SURVEY 1941
MO0301'14 MI S FROM CHUGWATER.
MO0301'IN LARAMIE COUNTY, 14 MILES SOUTH ALONG U.S. HIGHWAY 87 FROM
MO0301'CHUGWATER, PLATTE COUNTY, 148 YARDS NORTHEAST OF THE SOUTHEAST
MO0301'HEADWALL OF AN 18-INCH CORRUGATED CULVERT, 47 FEET SOUTHEAST OF
MO0301'THE CENTERLINE OF THE HIGHWAY, 4 POLES SOUTH OF POLE 915, 15 FEET
MO0301'NORTH OF A FENCE AND 2 FEET NORTHWEST OF A FENCE. A STANDARD
MO0301'DISK, STAMPED F 92 1934 AND SET IN THE TOP OF A CONCRETE POST.
MO0301
MO0301 STATION RECOVERY (2018)
MO0301
MO0301'RECOVERY NOTE BY WYOMING GAME AND FISH DEPARTMENT 2018 (DAS)
MO0301'RECOVERED IN GOOD CONDITION.

*** retrieval complete.
Elapsed Time = 00:00:04

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.3

1 National Geodetic Survey, Retrieval Date = JULY 1, 2019

NQ0039 *****

NQ0039 DESIGNATION - U 53

NQ0039 PID - NQ0039

NQ0039 STATE/COUNTY- WY/NIOBRARA

NQ0039 COUNTRY - US

NQ0039 USGS QUAD - COYOTE GAP (1981)

NQ0039

NQ0039 *CURRENT SURVEY CONTROL

NQ0039

NQ0039* NAD 83(1986) POSITION- 43 00 15.16 (N) 104 21 53.37 (W) HD_HELD1

NQ0039* [NAVD 88](#) ORTHO HEIGHT - 1337.543 (meters) 4388.26 (feet) ADJUSTED

NQ0039

NQ0039 GEOID HEIGHT - -14.740 (meters) GEOID12B

NQ0039 DYNAMIC HEIGHT - 1336.873 (meters) 4386.06 (feet) COMP

NQ0039 MODELED GRAVITY - 980,072.0 (mgal) NAVD 88

NQ0039

NQ0039 VERT ORDER - SECOND CLASS 0

NQ0039

NQ0039.The horizontal coordinates were determined by differentially corrected
NQ0039.hand held GPS observations or other comparable positioning techniques
NQ0039.and have an estimated accuracy of +/- 3 meters.

NQ0039.

NQ0039.The orthometric height was determined by differential leveling and
NQ0039.adjusted by the NATIONAL GEODETIC SURVEY
NQ0039.in June 1991.

NQ0039

NQ0039.Significant digits in the geoid height do not necessarily reflect accuracy.

NQ0039.GEOID12B height accuracy estimate available [here](#).

NQ0039

NQ0039.The dynamic height is computed by dividing the NAVD 88

NQ0039.geopotential number by the normal gravity value computed on the

NQ0039.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

NQ0039.degrees latitude (g = 980.6199 gals.).

NQ0039

NQ0039.The modeled gravity was interpolated from observed gravity values.

NQ0039

NQ0039; North East Units Estimated Accuracy

NQ0039;SPC WY E - 278,433.6 265,374.5 MT (+/- 3 meters HH1 GPS)

NQ0039

NQ0039_U.S. NATIONAL GRID SPATIAL ADDRESS: 13TEH5176861478(NAD 83)

NQ0039

NQ0039 SUPERSEDED SURVEY CONTROL

NQ0039

NQ0039 NGVD 29 (??/??/92) 1336.890 (m) 4386.11 (f) ADJ UNCH 2 0

NQ0039

NQ0039.Superseded values are not recommended for survey control.

NQ0039

NQ0039.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
 NQ0039.See file [dsdata.pdf](#) to determine how the superseded data were derived.
 NQ0039

NQ0039_MARKER: DB = BENCH MARK DISK

NQ0039_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

NQ0039_STAMPING: U 53 1934

NQ0039_MARK LOGO: CGS

NQ0039_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

NQ0039+STABILITY: SURFACE MOTION

NQ0039_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

NQ0039+SATELLITE: SATELLITE OBSERVATIONS - August 20, 2018

NQ0039

NQ0039	HISTORY	- Date	Condition	Report By
NQ0039	HISTORY	- 1934	MONUMENTED	CGS
NQ0039	HISTORY	- 1941	GOOD	CGS
NQ0039	HISTORY	- 1976	GOOD	USGS
NQ0039	HISTORY	- 20180820	GOOD	WYDT

NQ0039

NQ0039 STATION DESCRIPTION

NQ0039

NQ0039'DESCRIBED BY COAST AND GEODETIC SURVEY 1941

NQ0039'18.4 MI N FROM LUSK.

NQ0039'18.4 MILES NORTH ALONG U.S. HIGHWAY 85 FROM THE COUNTY COURTHOUSE

NQ0039'AT LUSK, NIOBRARA COUNTY, 130 FEET NORTH OF THE JUNCTION OF A

NQ0039'T-ROAD LEADING WEST, 55.8 FEET EAST OF THE CENTERLINE OF THE

NQ0039'HIGHWAY, AND 5.8 FEET EAST OF THE RIGHT-OF-WAY FENCE. A STANDARD

NQ0039'DISK, STAMPED U 53 1934 AND SET IN THE TOP OF A CONCRETE POST.

NQ0039

NQ0039 STATION RECOVERY (1976)

NQ0039

NQ0039'RECOVERY NOTE BY US GEOLOGICAL SURVEY 1976

NQ0039'18.4 MILES NO. ALONG U.S. HIGHWAY 85 FROM THE COUNTY COURTHOUSE AT

NQ0039'LUSK, NIOBRARA CO., 460 FT. NORTH OF THE JUNCTION OF A T-ROAD LEADING

NQ0039'WEST, 135 FT. EAST OF CENTERLINE OF THE NEW HIGHWAY, AND 5.8 FT. EAST

NQ0039'OF THE RIGHT-OF-WAY FENCE. A STANDARD DISK, STAMPED U 53 1934 AND

NQ0039'SET IN THE TOP OF A CONCRETE POST.

NQ0039

NQ0039 STATION RECOVERY (2018)

NQ0039

NQ0039'RECOVERY NOTE BY WYOMING DEPARTMENT OF TRANSPORTATION 2018 (ABC)

NQ0039'RECOVERED IN GOOD CONDITION.

*** retrieval complete.

Elapsed Time = 00:00:04

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.3

1 National Geodetic Survey, Retrieval Date = JULY 1, 2019

NQ0056 *****

NQ0056 DESIGNATION - F 54

NQ0056 PID - NQ0056

NQ0056 STATE/COUNTY- WY/NIOBRARA

NQ0056 COUNTRY - US

NQ0056 USGS QUAD - LUSK (1981)

NQ0056

NQ0056 *CURRENT SURVEY CONTROL

NQ0056

NQ0056* NAD 83(1986) POSITION- 42 45 36.3 (N) 104 27 03.3 (W) HD_HELD2

NQ0056* [NAVD 88](#) ORTHO HEIGHT - 1534.942 (meters) 5035.89 (feet) ADJUSTED

NQ0056

NQ0056 GEOID HEIGHT - -14.380 (meters) GEOID12B

NQ0056 DYNAMIC HEIGHT - 1534.091 (meters) 5033.10 (feet) COMP

NQ0056 MODELED GRAVITY - 980,011.4 (mgal) NAVD 88

NQ0056

NQ0056 VERT ORDER - FIRST CLASS II

NQ0056

NQ0056.The horizontal coordinates were established by autonomous hand held GPS observations and have an estimated accuracy of +/- 10 meters.

NQ0056.

NQ0056.The orthometric height was determined by differential leveling and

NQ0056.adjusted by the NATIONAL GEODETIC SURVEY

NQ0056.in June 1991.

NQ0056

NQ0056.Significant digits in the geoid height do not necessarily reflect accuracy.

NQ0056.GEOID12B height accuracy estimate available [here](#).

NQ0056

NQ0056.[Photographs](#) are available for this station.

NQ0056

NQ0056.The dynamic height is computed by dividing the NAVD 88

NQ0056.geopotential number by the normal gravity value computed on the

NQ0056.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

NQ0056.degrees latitude (g = 980.6199 gals.).

NQ0056

NQ0056.The modeled gravity was interpolated from observed gravity values.

NQ0056

NQ0056; North East Units Estimated Accuracy

NQ0056;SPC WY E - 251,251. 258,586. MT (+/- 10 meters HH2 GPS)

NQ0056

NQ0056_U.S. NATIONAL GRID SPATIAL ADDRESS: 13TEH4492834319(NAD 83)

NQ0056

NQ0056 SUPERSEDED SURVEY CONTROL

NQ0056

NQ0056 NGVD 29 (??/??/92) 1534.257 (m) 5033.64 (f) ADJ UNCH 1 2

NQ0056

NQ0056.Superseded values are not recommended for survey control.

NQ0056

NQ0056.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

NQ0056.See file [dsdata.pdf](#) to determine how the superseded data were derived.

NQ0056

NQ0056_MARKER: DB = BENCH MARK DISK

NQ0056_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

NQ0056_STAMPING: F 54 1934

NQ0056_MARK LOGO: CGS

NQ0056_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

NQ0056+STABILITY: SURFACE MOTION

NQ0056_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

NQ0056+SATELLITE: SATELLITE OBSERVATIONS - July 25, 2018

NQ0056

NQ0056	HISTORY	- Date	Condition	Report By
NQ0056	HISTORY	- 1934	MONUMENTED	CGS
NQ0056	HISTORY	- 1956	GOOD	CGS
NQ0056	HISTORY	- 20101022	GOOD	GEOCAC
NQ0056	HISTORY	- 20180725	GOOD	NGS

NQ0056

NQ0056 STATION DESCRIPTION

NQ0056

NQ0056'DESCRIBED BY COAST AND GEODETIC SURVEY 1956

NQ0056'0.4 MI SE FROM LUSK.

NQ0056'0.35 MILE SOUTH ALONG U.S. HIGHWAY 85 FROM THE CHICAGO AND NORTH
 NQ0056'WESTERN RAILROAD STATION AT LUSK, THENCE 1 BLOCK EAST ALONG EAST
 NQ0056'5TH STREET, 45.6 FEET SOUTHEAST OF THE SOUTHEAST CORNER OF THE
 NQ0056'COURTHOUSE, 16.7 FEET NORTH OF THE NORTH CURB OF EAST 5TH STREET,
 NQ0056'16 FEET WEST OF THE WEST CURB OF SOUTH ELM STREET, SET IN THE TOP
 NQ0056'OF A CONCRETE POST WHICH PROJECTS 1.0 FOOT ABOVE THE GROUND, IN
 NQ0056'SECTION 8, TOWNSHIP 32 NORTH, RANGE 63 WEST.

NQ0056

NQ0056 STATION RECOVERY (2010)

NQ0056

NQ0056'RECOVERY NOTE BY GEOCACHING 2010 (MEL)

NQ0056'RECOVERED IN GOOD CONDITION.

NQ0056

NQ0056 STATION RECOVERY (2018)

NQ0056

NQ0056'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 2018 (DW)

NQ0056'THIS IS GRAVITY BASE STATION 'LUSK', USGS BLK 1.

*** retrieval complete.

Elapsed Time = 00:00:03

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.3

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1      National Geodetic Survey,   Retrieval Date = JULY  1, 2019
NQ0190 *****
NQ0190 DESIGNATION -   Z 165
NQ0190 PID          -   NQ0190
NQ0190 STATE/COUNTY-  WY/PLATTE
NQ0190 COUNTRY      -   US
NQ0190 USGS QUAD    -   WHEATLAND (1990)
NQ0190
NQ0190                      *CURRENT SURVEY CONTROL
NQ0190
NQ0190* NAD 83(1986) POSITION- 42 01 25.50   (N) 104 58 56.15   (W)  HD_HELD1
NQ0190* NAVD 88 ORTHO HEIGHT - 1487.518 (meters)      4880.30   (feet) ADJUSTED
NQ0190
NQ0190 GEOID HEIGHT   -          -14.235 (meters)                      GEOID12B
NQ0190 DYNAMIC HEIGHT -          1486.530 (meters)      4877.06   (feet) COMP
NQ0190 MODELED GRAVITY -          979,905.6   (mgal)                      NAVD 88
NQ0190
NQ0190 VERT ORDER    -   SECOND      CLASS 0
NQ0190
NQ0190.The horizontal coordinates were determined by differentially corrected
NQ0190.hand held GPS observations or other comparable positioning techniques
NQ0190.and have an estimated accuracy of +/- 3 meters.
NQ0190.
NQ0190.The orthometric height was determined by differential leveling and
NQ0190.adjusted by the NATIONAL GEODETIC SURVEY
NQ0190.in June 1991.
NQ0190
NQ0190.Significant digits in the geoid height do not necessarily reflect accuracy.
NQ0190.GEOID12B height accuracy estimate available here.
NQ0190
NQ0190.The dynamic height is computed by dividing the NAVD 88
NQ0190.geopotential number by the normal gravity value computed on the
NQ0190.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
NQ0190.degrees latitude (g = 980.6199 gals.).
NQ0190
NQ0190.The modeled gravity was interpolated from observed gravity values.
NQ0190
NQ0190;
NQ0190;SPC WY E      -          North          East          Units  Estimated Accuracy
NQ0190;              -   169,232.0      215,271.3      MT   (+/- 3 meters HH1 GPS)
NQ0190
NQ0190_U.S. NATIONAL GRID SPATIAL ADDRESS: 13TEG0146852413(NAD 83)
NQ0190
NQ0190                      SUPERSEDED SURVEY CONTROL
NQ0190
NQ0190 NGVD 29 (??/??/92) 1486.698 (m)          4877.61   (f) ADJ UNCH   2 0
NQ0190
NQ0190.Superseded values are not recommended for survey control.
NQ0190

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NQ0190.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
 NQ0190.See file [dsdata.pdf](#) to determine how the superseded data were derived.
 NQ0190

NQ0190_MARKER: DB = BENCH MARK DISK

NQ0190_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

NQ0190_STAMPING: Z 165 1966

NQ0190_MARK LOGO: CGS

NQ0190_PROJECTION: PROJECTING 6 CENTIMETERS

NQ0190_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

NQ0190+STABILITY: SURFACE MOTION

NQ0190_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

NQ0190+SATELLITE: SATELLITE OBSERVATIONS - August 22, 2018

NQ0190

NQ0190	HISTORY	- Date	Condition	Report By
NQ0190	HISTORY	- 1966	MONUMENTED	CGS
NQ0190	HISTORY	- 1985	GOOD	DMA
NQ0190	HISTORY	- 20071004	GOOD	WYHD
NQ0190	HISTORY	- 20180822	GOOD	WYDT

NQ0190

NQ0190 STATION DESCRIPTION

NQ0190

NQ0190'DESCRIBED BY COAST AND GEODETIC SURVEY 1966

NQ0190'3.4 MI SW FROM WHEATLAND.

NQ0190'0.6 MILE SOUTHWEST ALONG U.S. HIGHWAY 87 FROM THE POST OFFICE

NQ0190'AT WHEATLAND, THENCE 2.8 MILES SOUTH ALONG COUNTY ROAD 1601,

NQ0190'0.5 MILE SOUTH OF THE INTERSECTION OF AN EAST-WEST ROAD, AT THE

NQ0190'T JUNCTION OF A POWER LINE, 37 FEET EAST OF THE CENTER LINE OF

NQ0190'THE ROAD, 2 1/2 FEET NORTH OF A POWER POLE WITH A GUY WIRE, 4

NQ0190'FEET NORTH OF A FENCE JUNCTION, 1.2 FEET WEST OF A FENCE, 2.0

NQ0190'FEET SOUTH OF A WITNESS POST, ABOUT 1 FOOT HIGHER THAN THE ROAD,

NQ0190'AND SET IN THE TOP OF A CONCRETE POST PROJECTING 0.2 FOOT ABOVE THE

NQ0190'GROUND.

NQ0190

NQ0190 STATION RECOVERY (1985)

NQ0190

NQ0190'RECOVERY NOTE BY DEFENSE MAP AGENCY 1985

NQ0190'RECOVERED IN GOOD CONDITION.

NQ0190

NQ0190 STATION RECOVERY (2007)

NQ0190

NQ0190'RECOVERY NOTE BY WYOMING HIGHWAY DEPARTMENT 2007 (ABC)

NQ0190'RECOVERED IN GOOD CONDITION.

NQ0190

NQ0190 STATION RECOVERY (2018)

NQ0190

NQ0190'RECOVERY NOTE BY WYOMING DEPARTMENT OF TRANSPORTATION 2018 (ABC)

NQ0190'RECOVERED IN GOOD CONDITION.

*** retrieval complete.

Elapsed Time = 00:00:04

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.3

1 National Geodetic Survey, Retrieval Date = JULY 1, 2019

NQ0208 *****

NQ0208 DESIGNATION - D 105

NQ0208 PID - NQ0208

NQ0208 STATE/COUNTY- WY/NIOBRARA

NQ0208 COUNTRY - US

NQ0208 USGS QUAD - BILLS CREEK (1981)

NQ0208

NQ0208 *CURRENT SURVEY CONTROL

NQ0208

NQ0208* NAD 83(1986) POSITION- 42 46 04.24 (N) 104 42 13.67 (W) HD_HELD1

NQ0208* [NAVD 88](#) ORTHO HEIGHT - 1630.066 (meters) 5347.97 (feet) ADJUSTED

NQ0208

NQ0208 GEOID HEIGHT - -14.350 (meters) GEOID12B

NQ0208 DYNAMIC HEIGHT - 1629.096 (meters) 5344.79 (feet) COMP

NQ0208 MODELED GRAVITY - 979,967.0 (mgal) NAVD 88

NQ0208

NQ0208 VERT ORDER - FIRST CLASS II

NQ0208

NQ0208.The horizontal coordinates were determined by differentially corrected
NQ0208.hand held GPS observations or other comparable positioning techniques
NQ0208.and have an estimated accuracy of +/- 3 meters.

NQ0208.

NQ0208.The orthometric height was determined by differential leveling and
NQ0208.adjusted by the NATIONAL GEODETIC SURVEY
NQ0208.in June 1991.

NQ0208

NQ0208.Significant digits in the geoid height do not necessarily reflect accuracy.

NQ0208.GEOID12B height accuracy estimate available [here](#).

NQ0208

NQ0208.[Photographs](#) are available for this station.

NQ0208

NQ0208.The dynamic height is computed by dividing the NAVD 88

NQ0208.geopotential number by the normal gravity value computed on the

NQ0208.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

NQ0208.degrees latitude (g = 980.6199 gals.).

NQ0208

NQ0208.The modeled gravity was interpolated from observed gravity values.

NQ0208

NQ0208;

NQ0208;SPC WY E - North East Units Estimated Accuracy
251,969.0 237,882.3 MT (+/- 3 meters HH1 GPS)

NQ0208

NQ0208_U.S. NATIONAL GRID SPATIAL ADDRESS: 13TEH2423335077(NAD 83)

NQ0208

NQ0208 SUPERSEDED SURVEY CONTROL

NQ0208

NQ0208 NGVD 29 (??/??/92) 1629.292 (m) 5345.44 (f) ADJ UNCH 1 2

NQ0208
NQ0208.Superseded values are not recommended for survey control.
NQ0208
NQ0208.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
NQ0208.See file [dsdata.pdf](#) to determine how the superseded data were derived.
NQ0208
NQ0208_MARKER: DB = BENCH MARK DISK
NQ0208_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
NQ0208_STAMPING: D 105 1954
NQ0208_MARK LOGO: USCG
NQ0208_PROJECTION: PROJECTING 12 CENTIMETERS
NQ0208_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
NQ0208+STABILITY: SURFACE MOTION
NQ0208_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
NQ0208+SATELLITE: SATELLITE OBSERVATIONS - August 20, 2018
NQ0208
NQ0208 HISTORY - Date Condition Report By
NQ0208 HISTORY - 1957 MONUMENTED CGS
NQ0208 HISTORY - 20110420 GOOD UPRR
NQ0208 HISTORY - 20180820 GOOD WYDT
NQ0208
NQ0208 STATION DESCRIPTION
NQ0208
NQ0208'DESCRIBED BY COAST AND GEODETIC SURVEY 1957
NQ0208'4.7 MI W FROM MANVILLE.
NQ0208'4.7 MILES WEST ALONG THE CHICAGO AND NORTH WESTERN RAILROAD
NQ0208'FROM THE STATION AT MANVILLE, AT THE EAST END OF A LONG FILL,
NQ0208'AT THE WEST END OF A CUT, 40 FEET SOUTH OF THE SOUTH RAIL, 11
NQ0208'FEET EAST OF THE 10TH POLE EAST OF MILEPOST 505, 2 FEET WEST OF A
NQ0208'WITNESS POST, SET IN THE TOP OF A CONCRETE POST WHICH PROJECTS
NQ0208'0.4 FOOT ABOVE THE GROUND. IN THE SOUTHEAST 1/4 OF SECTION
NQ0208'6, TOWNSHIP 32 NORTH, RANGE 65 WEST.
NQ0208
NQ0208 STATION RECOVERY (2011)
NQ0208
NQ0208'RECOVERY NOTE BY UNION PACIFIC RAILROAD 2011 (PJL)
NQ0208'RECOVERED AS DESCRIBED
NQ0208
NQ0208 STATION RECOVERY (2018)
NQ0208
NQ0208'RECOVERY NOTE BY WYOMING DEPARTMENT OF TRANSPORTATION 2018 (ABC)
NQ0208'RECOVERED IN GOOD CONDITION.

*** retrieval complete.
Elapsed Time = 00:00:04

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.3

1 National Geodetic Survey, Retrieval Date = JULY 1, 2019

NQ0282 *****

NQ0282 DESIGNATION - W 99

NQ0282 PID - NQ0282

NQ0282 STATE/COUNTY- WY/PLATTE

NQ0282 COUNTRY - US

NQ0282 USGS QUAD - GLENDON (1978)

NQ0282

NQ0282 *CURRENT SURVEY CONTROL

NQ0282

NQ0282* NAD 83(1986) POSITION- 42 30 07. (N) 105 01 38. (W) SCALED

NQ0282* [NAVD 88](#) ORTHO HEIGHT - 1437.692 (meters) 4716.83 (feet) ADJUSTED

NQ0282

NQ0282 GEOID HEIGHT - -14.078 (meters) GEOID12B

NQ0282 DYNAMIC HEIGHT - 1436.832 (meters) 4714.01 (feet) COMP

NQ0282 MODELED GRAVITY - 979,972.3 (mgal) NAVD 88

NQ0282

NQ0282 VERT ORDER - FIRST CLASS II

NQ0282

NQ0282.The horizontal coordinates were scaled from a topographic map and have
NQ0282.an estimated accuracy of +/- 6 seconds.

NQ0282.

NQ0282.The orthometric height was determined by differential leveling and
NQ0282.adjusted by the NATIONAL GEODETIC SURVEY

NQ0282.in June 1991.

NQ0282

NQ0282.Significant digits in the geoid height do not necessarily reflect accuracy.

NQ0282.GEOID12B height accuracy estimate available [here](#).

NQ0282

NQ0282.The dynamic height is computed by dividing the NAVD 88

NQ0282.geopotential number by the normal gravity value computed on the

NQ0282.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

NQ0282.degrees latitude (g = 980.6199 gals.).

NQ0282

NQ0282.The modeled gravity was interpolated from observed gravity values.

NQ0282

	North	East	Units	Estimated Accuracy
NQ0282; SPC WY E	- 222,340.	211,460.	MT	(+/- 180 meters Scaled)

NQ0282

NQ0282_U.S. NATIONAL GRID SPATIAL ADDRESS: 13TDH977055(NAD 83)

NQ0282

NQ0282 SUPERSEDED SURVEY CONTROL

NQ0282

NQ0282 NGVD 29 (??/??/92) 1436.909 (m) 4714.26 (f) ADJ UNCH 1 2

NQ0282

NQ0282.Superseded values are not recommended for survey control.

NQ0282

NQ0282.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

NQ0282. See file [dsdata.pdf](#) to determine how the superseded data were derived.

NQ0282

NQ0282_MARKER: DB = BENCH MARK DISK

NQ0282_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

NQ0282_STAMPING: W 99 1934

NQ0282_MAGNETIC: N = NO MAGNETIC MATERIAL

NQ0282_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

NQ0282+STABILITY: SURFACE MOTION

NQ0282_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

NQ0282+SATELLITE: SATELLITE OBSERVATIONS - July 26, 2017

NQ0282

NQ0282	HISTORY	- Date	Condition	Report By
NQ0282	HISTORY	- 1934	MONUMENTED	CGS
NQ0282	HISTORY	- 1956	GOOD	CGS
NQ0282	HISTORY	- 20000607	MARK NOT FOUND	USGS
NQ0282	HISTORY	- 20170726	GOOD	INDIV

NQ0282	HISTORY	- 1934	MONUMENTED	CGS
NQ0282	HISTORY	- 1956	GOOD	CGS
NQ0282	HISTORY	- 20000607	MARK NOT FOUND	USGS
NQ0282	HISTORY	- 20170726	GOOD	INDIV

NQ0282	HISTORY	- 1956	GOOD	CGS
NQ0282	HISTORY	- 20000607	MARK NOT FOUND	USGS
NQ0282	HISTORY	- 20170726	GOOD	INDIV

NQ0282	HISTORY	- 20000607	MARK NOT FOUND	USGS
NQ0282	HISTORY	- 20170726	GOOD	INDIV

NQ0282	HISTORY	- 20170726	GOOD	INDIV
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NQ0282

NQ0282 STATION DESCRIPTION

NQ0282

NQ0282'DESCRIBED BY COAST AND GEODETIC SURVEY 1956

NQ0282'AT GLENDO.

NQ0282'AT GLENDO, 80.6 FEET EAST OF THE SOUTHEAST CORNER OF THE CHICAGO,

NQ0282'BURLINGTON AND QUINCY RAILROAD STATION, 59.4 FEET EAST OF THE

NQ0282'EAST RAIL OF THE MAIN TRACK, 2.6 FEET NORTH OF A TELEPHONE POLE,

NQ0282'0.7 FOOT WEST OF A WITNESS POST, SET IN THE TOP OF A CONCRETE

NQ0282'POST WHICH IS FLUSH WITH THE GROUND, IN SECTION 9, TOWNSHIP 29

NQ0282'NORTH, RANGE 68 WEST.

NQ0282

NQ0282 STATION RECOVERY (2000)

NQ0282

NQ0282'RECOVERY NOTE BY US GEOLOGICAL SURVEY 2000 (LPB)

NQ0282'MARK NOT FOUND

NQ0282

NQ0282 STATION RECOVERY (2017)

NQ0282

NQ0282'RECOVERY NOTE BY INDIVIDUAL CONTRIBUTORS 2017 (BLS)

NQ0282'STATION FOUND IN GOOD CONDITION, APPROXIMATELY 40 METERS (130

NQ0282'FT) NORTH-NORTHWEST OF INTERSECTION OF BELLWOOD AVENUE AND B STREET,

NQ0282'

NQ0282'8.2 METERS (27 FT) WEST OF WEST EDGE OF ASPHALT OF BELLWOOD AVENUE,

NQ0282'3.4 METERS (11 FT) EAST OF GUY ANCHOR, 0.8 METERS (2.6 FT) NORTH OF

NQ0282'DETERIORATED TELEPHONE POLE

*** retrieval complete.

Elapsed Time = 00:00:03

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.3

1 National Geodetic Survey, Retrieval Date = AUGUST 20, 2019

NR0199 *****

NR0199 DESIGNATION - A 28

NR0199 PID - NR0199

NR0199 STATE/COUNTY- WY/FREMONT

NR0199 COUNTRY - US

NR0199 USGS QUAD - JEFFREY CITY (1984)

NR0199

NR0199 *CURRENT SURVEY CONTROL

NR0199

NR0199* NAD 83(1993) POSITION- 42 28 38.62240(N) 107 47 50.58739(W) ADJUSTED

NR0199* [NAVD 88](#) ORTHO HEIGHT - 1931.438 (meters) 6336.73 (feet) ADJUSTED

NR0199

NR0199 GEOID HEIGHT - -12.850 (meters) GEOID12B

NR0199 LAPLACE CORR - 2.37 (seconds) DEFLEC12B

NR0199 DYNAMIC HEIGHT - 1930.020 (meters) 6332.07 (feet) COMP

NR0199 MODELED GRAVITY - 979,817.8 (mgal) NAVD 88

NR0199

NR0199 HORZ ORDER - THIRD

NR0199 VERT ORDER - SECOND CLASS 0

NR0199

NR0199.The horizontal coordinates were established by classical geodetic methods and adjusted by the National Geodetic Survey in January 1997.

NR0199.

NR0199.The orthometric height was determined by differential leveling and adjusted by the NATIONAL GEODETIC SURVEY

NR0199.in June 1991.

NR0199

NR0199.Significant digits in the geoid height do not necessarily reflect accuracy.

NR0199.GEOID12B height accuracy estimate available [here](#).

NR0199

NR0199.The Laplace correction was computed from DEFLEC12B derived deflections.

NR0199

NR0199.The dynamic height is computed by dividing the NAVD 88

NR0199.geopotential number by the normal gravity value computed on the

NR0199.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

NR0199.degrees latitude (g = 980.6199 gals.).

NR0199

NR0199.The modeled gravity was interpolated from observed gravity values.

NR0199

NR0199. The following values were computed from the NAD 83(1993) position.

NR0199

NR0199;

	North	East	Units	Scale	Factor	Converg.
NR0199;SPC WYEC	- 319,706.805	361,843.990	MT	0.99995541	-0 18 48.2	
NR0199;SPC WYEC	- 1,048,904.74	1,187,149.82	sFT	0.99995541	-0 18 48.2	
NR0199;UTM 13	- 4,706,575.297	270,058.703	MT	1.00025057	-1 53 23.6	

NR0199

NR0199! - Elev Factor x Scale Factor = Combined Factor

NR0199!SPC WYEC - 0.99969919 x 0.99995541 = 0.99965462
 NR0199!UTM 13 - 0.99969919 x 1.00025057 = 0.99994969

NR0199

NR0199: Primary Azimuth Mark Grid Az
 NR0199:SPC WYEC - PEP 024 31 40.8
 NR0199:UTM 13 - PEP 026 06 16.2

NR0199

NR0199_U.S. NATIONAL GRID SPATIAL ADDRESS: 13TBH7005806575(NAD 83)

NR0199

PID	Reference Object	Distance	Geod. Az
			dddmmss.s
NR0493	PEP	APPROX. 3.7 KM	0241252.6

NR0199

NR0199 SUPERSEDED SURVEY CONTROL

NR0199

NR0199	NAD 83(1986)-	42 28 38.60926(N)	107 47 50.58577(W)	AD()	3
NR0199	NAD 27	- 42 28 38.76698(N)	107 47 48.30651(W)	AD()	3
NR0199	NGVD 29 (??/??/92)	1930.376 (m)	6333.24 (f)	ADJ UNCH	2 0
NR0199	NGVD 29	1930.38 (m)	6333.3 (f)	LEVELING	3

NR0199

NR0199.Superseded values are not recommended for survey control.

NR0199

NR0199.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

NR0199.See file [dsdata.pdf](#) to determine how the superseded data were derived.

NR0199

NR0199_MARKER: DB = BENCH MARK DISK

NR0199_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

NR0199_STAMPING: A 28 1934

NR0199_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

NR0199+STABILITY: SURFACE MOTION

NR0199

HISTORY	Date	Condition	Report By
HISTORY	- 1934	MONUMENTED	CGS
HISTORY	- 1948	GOOD	USGS

NR0199

NR0199 STATION DESCRIPTION

NR0199

NR0199'DESCRIBED BY COAST AND GEODETIC SURVEY 1934

NR0199'21.9 MI W FROM THREE FORKS.

NR0199'IN FREMONT COUNTY, ABOUT 21.9 MILES WEST ALONG U.S. HIGHWAY 287 FROM
 NR0199'THREE FORKS, CARBON COUNTY, ABOUT 8.2 MILES SOUTHEAST OF TWO BRIDGES,
 NR0199'FREMONT COUNTY, AT THE ENTRANCE TO A RANCH HOUSE, 42.5 FEET NORTHEAST
 NR0199'OF THE CENTER LINE OF THE HIGHWAY, 3.5 FEET SOUTH OF A GATEPOST, AND
 NR0199'2.6 FEET SOUTHWEST OF THE FENCE. A STANDARD DISK, STAMPED A 28 1934
 NR0199'AND SET IN THE TOP OF A CONCRETE POST.

NR0199

NR0199 STATION RECOVERY (1948)

NR0199

NR0199'RECOVERY NOTE BY US GEOLOGICAL SURVEY 1948

NR0199'STATION LOCATED IN NE. COR. SEC. 23, T 29 N, R 92 W.

NR0199'

NR0199'TO REACH STATION FROM SWEETWATER CROSSING, WYOMING, GO ABOUT 17.8 MI.

NR0199'E. ON U.S. HIGHWAY 287 TO HOME-ON-THE-RANGE SERVICE STATION, CONTINUE

NR0199'0.3 MI. TO DIRT RD. CROSSING HIGHWAY, TURN RIGHT (S.) 0.5 MI. TO RD.
NR0199'CROSSING, TURN LEFT (E.) 1.1 MI. TO STATION ON N. SIDE OF RD.
NR0199'
NR0199'STATION MARK--STANDARD USC AND GS BENCH MARK DISK, STAMPED ---A 28
NR0199'1934---.
NR0199'
NR0199'REFERENCE MARKS--NONE.

*** retrieval complete.
Elapsed Time = 00:00:04

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.3

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1      National Geodetic Survey,   Retrieval Date = AUGUST 20, 2019
NR0297 *****
NR0297 FBN           -   This is a Federal Base Network Control Station.
NR0297 DESIGNATION -   G 336
NR0297 PID           -   NR0297
NR0297 STATE/COUNTY-   WY/CARBON
NR0297 COUNTRY       -   US
NR0297 USGS QUAD     -   MUDDY GAP (1981)
NR0297
NR0297                               *CURRENT SURVEY CONTROL
NR0297
NR0297* NAD 83(2011) POSITION- 42 22 12.98426(N) 107 25 54.14790(W) ADJUSTED
NR0297* NAD 83(2011) ELLIP HT- 1883.402 (meters) (06/27/12) ADJUSTED
NR0297* NAD 83(2011) EPOCH   - 2010.00
NR0297* NAVD 88 ORTHO HEIGHT - 1896.367 (meters) 6221.66 (feet) ADJUSTED
NR0297
NR0297 GEOID HEIGHT   -   -12.972 (meters) GEOID12B
NR0297 NAD 83(2011) X - -1,414,195.928 (meters) COMP
NR0297 NAD 83(2011) Y - -4,503,968.438 (meters) COMP
NR0297 NAD 83(2011) Z - 4,277,348.624 (meters) COMP
NR0297 LAPLACE CORR   -   3.22 (seconds) DEFLEC12B
NR0297 DYNAMIC HEIGHT -   1894.929 (meters) 6216.95 (feet) COMP
NR0297 MODELED GRAVITY -   979,795.8 (mgal) NAVD 88
NR0297
NR0297 VERT ORDER      -   FIRST CLASS II
NR0297
NR0297 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
NR0297 Standards:
NR0297          FGDC (95% conf, cm)      Standard deviation (cm)      CorrNE
NR0297          Horiz Ellip              SD_N   SD_E   SD_h      (unitless)
NR0297 -----
NR0297 NETWORK      0.58   1.57              0.26   0.21   0.80      0.04755647
NR0297 -----
NR0297 Click here for local accuracies and other accuracy information.
NR0297
NR0297
NR0297.The horizontal coordinates were established by GPS observations
NR0297.and adjusted by the National Geodetic Survey in June 2012.
NR0297
NR0297.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
NR0297.been affixed to the stable North American tectonic plate. See
NR0297.NA2011 for more information.
NR0297
NR0297.The horizontal coordinates are valid at the epoch date displayed above
NR0297.which is a decimal equivalence of Year/Month/Day.
NR0297
NR0297.The orthometric height was determined by differential leveling and

```

NR0297.adjusted by the NATIONAL GEODETIC SURVEY
NR0297.in June 1991.

NR0297

NR0297.Significant digits in the geoid height do not necessarily reflect accuracy.
NR0297.GEOID12B height accuracy estimate available [here](#).

NR0297

NR0297.The X, Y, and Z were computed from the position and the ellipsoidal ht.

NR0297

NR0297.The Laplace correction was computed from DEFLEC12B derived deflections.

NR0297

NR0297.The ellipsoidal height was determined by GPS observations

NR0297.and is referenced to NAD 83.

NR0297

NR0297.The dynamic height is computed by dividing the NAVD 88

NR0297.geopotential number by the normal gravity value computed on the

NR0297.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

NR0297.degrees latitude ($g = 980.6199$ gals.).

NR0297

NR0297.The modeled gravity was interpolated from observed gravity values.

NR0297

NR0297. The following values were computed from the NAD 83(2011) position.

NR0297

NR0297;	North	East	Units	Scale	Factor	Converg.
NR0297;SPC WYEC	- 307,708.648	391,897.532	MT	0.99993831	-0 03 58.7	
NR0297;SPC WYEC	- 1,009,540.79	1,285,750.49	sFT	0.99993831	-0 03 58.7	
NR0297;UTM 13	- 4,693,752.871	299,777.856	MT	1.00009327	-1 38 21.5	

NR0297

NR0297! Elev Factor x Scale Factor = Combined Factor

NR0297!SPC WYEC - 0.99970470 x 0.99993831 = 0.99964303

NR0297!UTM 13 - 0.99970470 x 1.00009327 = 0.99979795

NR0297

NR0297_U.S. NATIONAL GRID SPATIAL ADDRESS: 13TBG9977793752 (NAD 83)

NR0297

NR0297 SUPERSEDED SURVEY CONTROL

NR0297

NR0297	NAD 83(2007)-	42 22 12.98392(N)	107 25 54.14894(W)	AD(2002.00)	0
NR0297	ELLIP H (02/10/07)	1883.419 (m)		GP(2002.00)	
NR0297	ELLIP H (02/28/01)	1883.455 (m)		GP()	2 1
NR0297	NAD 83(1993)-	42 22 12.98284(N)	107 25 54.14871(W)	AD()	B
NR0297	ELLIP H (10/19/94)	1883.466 (m)		GP()	4 1
NR0297	NAVD 88	1896.37 (m)	6221.7 (f)	LEVELING	3
NR0297	NGVD 29 (06/08/92)	1895.301 (m)	6218.17 (f)	ADJUSTED	1 2

NR0297

NR0297.Superseded values are not recommended for survey control.

NR0297

NR0297.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

NR0297.See file [dsdata.pdf](#) to determine how the superseded data were derived.

NR0297

NR0297_MARKER: I = METAL ROD

NR0297_SETTING: 59 = STAINLESS STEEL ROD IN SLEEVE (10 FT.+)

NR0297_STAMPING: G 336 1982

NR0297_MARK LOGO: NGS

NR0297_PROJECTION: FLUSH

NR0297_MAGNETIC: N = NO MAGNETIC MATERIAL

NR0297_STABILITY: A = MOST RELIABLE AND EXPECTED TO HOLD
 NR0297+STABILITY: POSITION/ELEVATION WELL
 NR0297_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
 NR0297+SATELLITE: SATELLITE OBSERVATIONS - July 21, 1999
 NR0297_ROD/PIPE-DEPTH: 7.6 meters

NR0297

NR0297	HISTORY	- Date	Condition	Report By
NR0297	HISTORY	- 1982	MONUMENTED	NGS
NR0297	HISTORY	- 19930803	GOOD	NGS
NR0297	HISTORY	- 19990721	GOOD	NGS

NR0297

NR0297 STATION DESCRIPTION

NR0297

NR0297'DESCRIBED BY NATIONAL GEODETIC SURVEY 1982

NR0297'1.3 KM (0.8 MI) NE FROM MUDDY GAP.

NR0297'1.3 KM (0.8 MI) NORTHEASTERLY ALONG STATE HIGHWAY 220 FROM ITS

NR0297'JUNCTION WITH U.S. HIGHWAY 287 AND STATE HIGHWAY 789 IN MUDDY GAP,

NR0297'0.2 KM (0.1 MI) NORTHEAST OF MILEPOST 45 AND 29.9 METERS (98.1 FT)

NR0297'NORTHWEST OF THE CENTERLINE OF THE HIGHWAY.

NR0297'THE MARK IS 0.3 METERS SE FROM A WITNESS POST AND FENCE

NR0297'THE MARK IS 0.3 M BELOW THE HIGHWAY.

NR0297

NR0297

STATION RECOVERY (1993)

NR0297

NR0297'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1993 (GRH)

NR0297'NOTE--PUNCH HOLE TOP CENTER ON ROD NEEDED FOR GPS OBSERVATIONS.

NR0297'STATION IS LOCATED ABOUT 70 KM (43.50 MI) NORTH OF RAWLINS, 23 KM

NR0297'(14.30 MI) EAST OF JEFFREY CITY, 1.3 KM (0.80 MI) NORTHEAST OF MUDDY

NR0297'GAP JUNCTION, ALONG STATE HIGHWAY 220, ON THE RIGHT-OF-WAY, AT MILE

NR0297'45.1, IN CENTRAL SECTION 26, T 28 N, R 89 W. OWNERSHIP--STATE HIGHWAY

NR0297'DEPARTMENT. TO REACH FROM THE JUNCTION OF US HIGHWAY 287 AND STATE

NR0297'HIGHWAYS 220 AND 789 AT MUDDY GAP JUNCTION, GO NORTHEAST ON HIGHWAY

NR0297'220 FOR 0.81 KM (0.50 MI) TO A STATE GRAVEL STORAGE YARD ENTRANCE ON

NR0297'THE LEFT. CONTINUE AHEAD FOR 0.49 KM (0.30 MI) TO THE STATION ON THE

NR0297'LEFT. STATION MARK IS A PUNCH HOLE TOP CENTER ON A STEEL ROD ENCASED

NR0297'IN A PVC PIPE WITH LOGO CAP SET IN A CONCRETE POST 3 CM BELOW GROUND.

NR0297'IT IS 29.7 M (97.4 FT) NORTHWEST OF, AND SLIGHTLY LOWER THAN THE

NR0297'HIGHWAY CENTER, AND 0.3 M (1.0 FT) SOUTHEAST OF A FIBERGLASS WITNESS

NR0297'POST IN THE RIGHT-OF-WAY FENCE. DESCRIBED BY G.R.HEID

NR0297

NR0297

STATION RECOVERY (1999)

NR0297

NR0297'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1999 (CSM)

NR0297'RECOVERED BY NATIONAL GEODETIC SURVEY 1999. RECOVERED IN GOOD

NR0297'CONDITION AND AS PREVIOUSLY DESCRIBED. ADD 0.76 M (2.49 FT) NORTH OF

NR0297'A WYDOT FIBERGLASS WITNESS POST AND SURROUNDED BY 3 HEAVY GAUGE METAL

NR0297'I-BEAM POSTS.

*** retrieval complete.

Elapsed Time = 00:00:05

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.3

1 National Geodetic Survey, Retrieval Date = AUGUST 20, 2019

NS0007 *****

NS0007 DESIGNATION - J 28

NS0007 PID - NS0007

NS0007 STATE/COUNTY- WY/FREMONT

NS0007 COUNTRY - US

NS0007 USGS QUAD - MYERS RANCH (1951)

NS0007

NS0007 *CURRENT SURVEY CONTROL

NS0007

NS0007* NAD 83(1993) POSITION- 42 33 57.29109(N) 108 02 28.78607(W) ADJUSTED

NS0007* [NAVD 88](#) ORTHO HEIGHT - 2051.319 (meters) 6730.04 (feet) ADJUSTED

NS0007

NS0007 GEOID HEIGHT - -12.716 (meters) GEOID12B

NS0007 LAPLACE CORR - 1.41 (seconds) DEFLEC12B

NS0007 DYNAMIC HEIGHT - 2049.822 (meters) 6725.12 (feet) COMP

NS0007 MODELED GRAVITY - 979,817.2 (mgal) NAVD 88

NS0007

NS0007 HORZ ORDER - THIRD

NS0007 VERT ORDER - SECOND CLASS 0

NS0007

NS0007.The horizontal coordinates were established by classical geodetic methods

NS0007.and adjusted by the National Geodetic Survey in January 1997.

NS0007.

NS0007.The orthometric height was determined by differential leveling and

NS0007.adjusted by the NATIONAL GEODETIC SURVEY

NS0007.in June 1991.

NS0007

NS0007.Significant digits in the geoid height do not necessarily reflect accuracy.

NS0007.GEOID12B height accuracy estimate available [here](#).

NS0007

NS0007.The Laplace correction was computed from DEFLEC12B derived deflections.

NS0007

NS0007.The dynamic height is computed by dividing the NAVD 88

NS0007.geopotential number by the normal gravity value computed on the

NS0007.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

NS0007.degrees latitude (g = 980.6199 gals.).

NS0007

NS0007.The modeled gravity was interpolated from observed gravity values.

NS0007

NS0007. The following values were computed from the NAD 83(1993) position.

NS0007

NS0007;

	North	East	Units	Scale	Factor	Converg.
NS0007;SPC WYWC	- 229,678.269	658,187.288	MT	0.99997914	+0 28 45.8	
NS0007;SPC WYWC	- 753,536.12	2,159,402.79	sFT	0.99997914	+0 28 45.8	
NS0007;UTM 12	- 4,716,855.637	742,856.350	MT	1.00032570	+2 00 08.4	
NS0007;UTM 13	- 4,717,096.186	250,358.222	MT	1.00036682	-2 03 30.0	

NS0007;SPC WYWC - 229,678.269 658,187.288 MT 0.99997914 +0 28 45.8

NS0007;SPC WYWC - 753,536.12 2,159,402.79 sFT 0.99997914 +0 28 45.8

NS0007;UTM 12 - 4,716,855.637 742,856.350 MT 1.00032570 +2 00 08.4

NS0007;UTM 13 - 4,717,096.186 250,358.222 MT 1.00036682 -2 03 30.0

NS0007

NS0007! - Elev Factor x Scale Factor = Combined Factor
 NS0007!SPC WYWC - 0.99968039 x 0.99997914 = 0.99965953
 NS0007!UTM 12 - 0.99968039 x 1.00032570 = 1.00000598
 NS0007!UTM 13 - 0.99968039 x 1.00036682 = 1.00004709
 NS0007
 NS0007: Primary Azimuth Mark Grid Az
 NS0007:SPC WYWC - MEYERS 310 28 31.1
 NS0007:UTM 12 - MEYERS 308 57 08.5
 NS0007:UTM 13 - MEYERS 313 00 46.9
 NS0007
 NS0007_U.S. NATIONAL GRID SPATIAL ADDRESS: 12TYN4285616855 (NAD 83)
 NS0007
 NS0007|-----|
 NS0007| PID Reference Object Distance Geod. Az |
 NS0007| | | | dddmmss.s |
 NS0007| NS0163 MEYERS APPROX.11.5 KM 3105716.9 |
 NS0007|-----|
 NS0007
 NS0007 SUPERSEDED SURVEY CONTROL
 NS0007
 NS0007 NAD 83(1986)- 42 33 57.27762(N) 108 02 28.78750(W) AD() 3
 NS0007 NAD 27 - 42 33 57.43209(N) 108 02 26.47343(W) AD() 3
 NS0007 NGVD 29 (??/??/92) 2050.243 (m) 6726.51 (f) ADJ UNCH 2 0
 NS0007 NGVD 29 2050.24 (m) 6726.5 (f) LEVELING 3
 NS0007
 NS0007.Superseded values are not recommended for survey control.
 NS0007
 NS0007.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
 NS0007.See file [dsdata.pdf](#) to determine how the superseded data were derived.
 NS0007
 NS0007_MARKER: DB = BENCH MARK DISK
 NS0007_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
 NS0007_STAMPING: J 28 1934
 NS0007_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
 NS0007+STABILITY: SURFACE MOTION
 NS0007
 NS0007 HISTORY - Date Condition Report By
 NS0007 HISTORY - 1934 MONUMENTED CGS
 NS0007 HISTORY - 1949 GOOD USGS
 NS0007
 NS0007 STATION DESCRIPTION
 NS0007
 NS0007'DESCRIBED BY COAST AND GEODETIC SURVEY 1934
 NS0007'7.7 MI E FROM HUDSON.
 NS0007'7.7 MI EAST ALONG U.S. HIGHWAY 287 FROM SWEETWATER STATION,
 NS0007'FREMONT COUNTY, 7.3 MI EAST OF BRIDGE OVER SWEETWATER RIVER, MIDWAY
 NS0007'BETWEEN TWO CURVES, AND 45 FEET SOUTHEAST OF THE CENTER LINE OF THE
 NS0007'HIGHWAY. A STANDARD DISK, STAMPED J 28 1934 AND SET IN THE TOP OF A
 NS0007'CONCRETE POST.
 NS0007
 NS0007 STATION RECOVERY (1949)
 NS0007
 NS0007'RECOVERY NOTE BY US GEOLOGICAL SURVEY 1949
 NS0007'STATION LOCATED ABOUT 40 MI. SE. OF LANDER, WYOMING, 7 MI. N. OF
 NS0007'BRIDGE OVER SWEETWATER RIVER ON U.S. HIGHWAY 287 AND 16 MI. SE. OF

NS0007'SANDRAW, WYOMING.
NS0007'
NS0007'TO REACH FROM POST OFFICE IN LANDER, WYOMING GO S. 1 BLK. TO MAIN ST.,
NS0007'TURN LEFT AND GO SW.ON U.S.HIGHWAY 287 FOR 7.4 MI.TO JUNCTION OF SOUTH
NS0007'PASS RD.TAKE LEFT FORK AND CONTINUE SW.ON U.S. HIGHWAY 287 FOR 25.9
NS0007'MI.TO TOP OF BEAVER RIM AND JUNCTION OF RD. N. CONTINUE ON U.S.HIGHWAY
NS0007'287 FOR 6.1 MI.TO JUNCTION OF RD.W.-SANDRAW RD.-CONTINUE ON U.S.
NS0007'HIGHWAY 287 FOR 0.5 MI.TO BRIDGE OVER SWEETWATER RIVER.CONTINUE 0.3 MI
NS0007'TO X-RDS. TURN LEFT ALONG OLD HIGHWAY. FOR 7.2 MI.STATION LIES 45 FT.
NS0007'S. OF CENTER OF RD.
NS0007'
NS0007'STATION MARK - STANDARD USC AND GS BENCH MARK DISK STAMPED ---J 28
NS0007'1934--- SET IN TOP OF CONCRETE POST.
NS0007'
NS0007'REFERENCE MARK NO.1 - COPPER NAIL AND WASHER SET IN TOP OF CONCRETE
NS0007'POST. 88.05 FT. N. OF STATION MARK AND 43.05 FT. N. OF CENTER OF RD.,
NS0007'S 22 DEG 22 MIN E.
NS0007'
NS0007'REFERENCE MARK NO.2 - COPPER NAIL AND WASHER SET IN TOP OF CONCRETE
NS0007'POST, 46.59 FT. E. OF STATION MARK, S 79 DEG 16 MIN W.

*** retrieval complete.
Elapsed Time = 00:00:04

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.3

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1      National Geodetic Survey,   Retrieval Date = AUGUST 20, 2019
NS0008 *****
NS0008 CBN          -   This is a Cooperative Base Network Control Station.
NS0008 DESIGNATION -   K 28
NS0008 PID          -   NS0008
NS0008 STATE/COUNTY-   WY/FREMONT
NS0008 COUNTRY     -   US
NS0008 USGS QUAD   -   MYERS RANCH (1951)
NS0008
NS0008                      *CURRENT SURVEY CONTROL
NS0008
NS0008* NAD 83(2011) POSITION- 42 33 59.27229(N) 108 04 40.54458(W) ADJUSTED
NS0008* NAD 83(2011) ELLIP HT- 2022.715 (meters) (06/27/12) ADJUSTED
NS0008* NAD 83(2011) EPOCH   - 2010.00
NS0008* NAVD 88 ORTHO HEIGHT - 2035.477 (meters) 6678.06 (feet) ADJUSTED
NS0008
NS0008 GEOID HEIGHT   -   -12.751 (meters) GEOID12B
NS0008 NAD 83(2011) X - -1,460,368.187 (meters) COMP
NS0008 NAD 83(2011) Y - -4,473,837.293 (meters) COMP
NS0008 NAD 83(2011) Z - 4,293,523.500 (meters) COMP
NS0008 LAPLACE CORR   -   2.11 (seconds) DEFLEC12B
NS0008 DYNAMIC HEIGHT -   2033.988 (meters) 6673.18 (feet) COMP
NS0008 MODELED GRAVITY -   979,816.2 (mgal) NAVD 88
NS0008
NS0008 VERT ORDER     -   SECOND CLASS 0
NS0008
NS0008 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
NS0008 Standards:
NS0008          FGDC (95% conf, cm)          Standard deviation (cm)          CorrNE
NS0008          Horiz Ellip                  SD_N   SD_E   SD_h          (unitless)
NS0008 -----
NS0008 NETWORK      1.53   4.72                0.71   0.50   2.41          -0.05904660
NS0008 -----
NS0008 Click here for local accuracies and other accuracy information.
NS0008
NS0008
NS0008.The horizontal coordinates were established by GPS observations
NS0008.and adjusted by the National Geodetic Survey in June 2012.
NS0008
NS0008.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
NS0008.been affixed to the stable North American tectonic plate. See
NS0008.NA2011 for more information.
NS0008
NS0008.The horizontal coordinates are valid at the epoch date displayed above
NS0008.which is a decimal equivalence of Year/Month/Day.
NS0008
NS0008.The orthometric height was determined by differential leveling and

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NS0008.adjusted by the NATIONAL GEODETIC SURVEY

NS0008.in June 1991.

NS0008

NS0008.Significant digits in the geoid height do not necessarily reflect accuracy.

NS0008.GEOID12B height accuracy estimate available [here](#).

NS0008

NS0008.The X, Y, and Z were computed from the position and the ellipsoidal ht.

NS0008

NS0008.The Laplace correction was computed from DEFLEC12B derived deflections.

NS0008

NS0008.The ellipsoidal height was determined by GPS observations

NS0008.and is referenced to NAD 83.

NS0008

NS0008.The dynamic height is computed by dividing the NAVD 88

NS0008.geopotential number by the normal gravity value computed on the

NS0008.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

NS0008.degrees latitude (g = 980.6199 gals.).

NS0008

NS0008.The modeled gravity was interpolated from observed gravity values.

NS0008

NS0008. The following values were computed from the NAD 83(2011) position.

NS0008

NS0008;		North	East	Units	Scale Factor	Converg.
NS0008;SPC WYWC	-	229,714.904	655,181.684	MT	0.99997495	+0 27 16.7
NS0008;SPC WYWC	-	753,656.31	2,149,541.91	sFT	0.99997495	+0 27 16.7
NS0008;UTM 12	-	4,716,812.365	739,849.813	MT	1.00030784	+1 58 39.2
NS0008;UTM 13	-	4,717,265.934	247,355.990	MT	1.00038538	-2 04 59.3

NS0008

NS0008! Elev Factor x Scale Factor = Combined Factor

NS0008!SPC WYWC - 0.99968288 x 0.99997495 = 0.99965783

NS0008!UTM 12 - 0.99968288 x 1.00030784 = 0.99999062

NS0008!UTM 13 - 0.99968288 x 1.00038538 = 1.00006813

NS0008

NS0008_U.S. NATIONAL GRID SPATIAL ADDRESS: 12TYN3984916812 (NAD 83)

NS0008

NS0008 SUPERSEDED SURVEY CONTROL

NS0008

NS0008	NAD 83(2007)-	42 33 59.27197(N)	108 04 40.54563(W)	AD(2002.00)	0
NS0008	ELLIP H (02/10/07)	2022.732 (m)		GP(2002.00)	
NS0008	ELLIP H (09/07/01)	2022.771 (m)		GP()	4 1
NS0008	NAD 83(1993)-	42 33 59.27121(N)	108 04 40.54529(W)	AD()	B
NS0008	ELLIP H (10/19/94)	2022.769 (m)		GP()	4 1
NS0008	NAVD 88	2035.48 (m)	6678.1 (f)	LEVELING	3
NS0008	NGVD 29 (??/??/92)	2034.399 (m)	6674.52 (f)	ADJ UNCH	2 0

NS0008

NS0008.Superseded values are not recommended for survey control.

NS0008

NS0008.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

NS0008.See file [dsdata.pdf](#) to determine how the superseded data were derived.

NS0008

NS0008_MARKER: DB = BENCH MARK DISK

NS0008_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

NS0008_STAMPING: K 28 1934

NS0008_MARK LOGO: CGS

NS0008_MAGNETIC: N = NO MAGNETIC MATERIAL

NS0008_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

NS0008+STABILITY: SURFACE MOTION

NS0008_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

NS0008+SATELLITE: SATELLITE OBSERVATIONS - October 18, 1993

NS0008

NS0008	HISTORY	- Date	Condition	Report By
NS0008	HISTORY	- 1934	MONUMENTED	CGS
NS0008	HISTORY	- 19931018	GOOD	NGS

NS0008

NS0008 STATION DESCRIPTION

NS0008

NS0008'DESCRIBED BY COAST AND GEODETIC SURVEY 1934

NS0008'5.9 MI E FROM HUDSON.

NS0008'5.9 MILES EAST ALONG U.S. HIGHWAY 287 FROM SWEETWATER STATION,

NS0008'FREMONT COUNTY, 5.5 MI EAST OF BRIDGE OVER SWEETWATER RIVER, AT THE

NS0008'SUMMIT OF A HILL AND THE WEST END OF A CURVE, 43 FEET SOUTHWEST OF THE

NS0008'CENTER LINE OF THE HIGHWAY, AND ABOUT 3 FEET HIGHER THAN THE HIGHWAY.

NS0008'A STANDARD DISK, STAMPED K 28 1934 AND SET IN THE TOP OF A CONCRETE

NS0008'POST.

NS0008

NS0008 STATION RECOVERY (1993)

NS0008

NS0008'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1993 (AJL)

NS0008'STATION IS LOCATED ABOUT 55 KM (34.15 MI) SOUTHEAST OF RIVERTON, 7 KM

NS0008'(4.35 MI) EAST-NORTHEAST OF THE JUNCTION OF US HIGHWAY 287 AND STATE

NS0008'HIGHWAYS 135 AND 789 (SWEETWATER JUNCTION), 4 KM (2.50 MI) NORTH OF

NS0008'HIGHWAYS 287 AND 789, ALONG THE OLD DIRT HIGHWAY, ON AN EAST-WEST FLAT

NS0008'RIDGE, AT THE TOP OF AN EASTBOUND GRADE, IN NORTH CENTRAL SECTION 21,

NS0008'T 30 N, R 94 W. OWNERSHIP--US BUREAU OF LAND MANAGEMENT. TO REACH

NS0008'FROM THE JUNCTION OF HIGHWAYS 287, 135 AND 789 AT SWEETWATER JUNCTION,

NS0008'GO EAST ON HIGHWAYS 287 AND 789 FOR 1.23 KM (0.75 MI) TO A DIRT

NS0008'CROSSROAD. TURN LEFT, THEN RIGHT, NORTHEAST, ON GRAHAM ROAD (GRADED)

NS0008'FOR 6.28 KM (3.90 MI) TO A CROSSROAD. CONTINUE AHEAD, EAST, FOR 2.39

NS0008'KM (1.50 MI) TO TOP OF HILL AND STATION ON THE RIGHT, JUST BEFORE

NS0008'REACHING A TRACK ROAD LEADING SOUTHWEST. STATION MARK IS SET IN THE

NS0008'TOP OF A 20-CM SQUARE CONCRETE POST PROJECTING 15 CM ABOVE GROUND. IT

NS0008'IS 12.3 M (40.4 FT) SOUTH OF, AND 0.5 M (1.6 FT) HIGHER THAN THE ROAD

NS0008'CENTER, 0.7 M (2.3 FT) NORTH OF A FIBERGLASS WITNESS POST, AND 80 M

NS0008'(262.5 FT) WEST OF THE TRACK ROAD CENTER. DESCRIBED BY G.R.HEID

*** retrieval complete.

Elapsed Time = 00:00:04

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.4

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1      National Geodetic Survey,  Retrieval Date = OCTOBER  2,  2019
NS0016 *****
NS0016 DESIGNATION -  T 28
NS0016 PID          -  NS0016
NS0016 STATE/COUNTY-  WY/FREMONT
NS0016 COUNTRY      -  US
NS0016 USGS QUAD    -  RED CANYON (1978)
NS0016
NS0016                      *CURRENT SURVEY CONTROL
NS0016
NS0016* NAD 83(1993) POSITION- 42 34 08.15706(N) 108 16 29.31452(W) ADJUSTED
NS0016* NAVD 88 ORTHO HEIGHT - 2041.929 (meters)      6699.23 (feet) ADJUSTED
NS0016
NS0016 GEOID HEIGHT   -          -12.664 (meters)                GEOID18
NS0016 LAPLACE CORR  -           -3.34 (seconds)                DEFLEC18
NS0016 DYNAMIC HEIGHT -          2040.435 (meters)      6694.33 (feet) COMP
NS0016 MODELED GRAVITY -          979,816.0 (mgal)          NAVD 88
NS0016
NS0016 HORZ ORDER    -  THIRD
NS0016 VERT ORDER    -  SECOND   CLASS 0
NS0016
NS0016.The horizontal coordinates were established by classical geodetic methods
NS0016.and adjusted by the National Geodetic Survey in January 1997.
NS0016.
NS0016.The orthometric height was determined by differential leveling and
NS0016.adjusted by the NATIONAL GEODETIC SURVEY
NS0016.in June 1991.
NS0016
NS0016.Significant digits in the geoid height do not necessarily reflect accuracy.
NS0016.GEOID18 height accuracy estimate available here.
NS0016
NS0016.Click here to see if photographs exist for this station.
NS0016
NS0016.The Laplace correction was computed from DEFLEC18 derived deflections.
NS0016
NS0016.The dynamic height is computed by dividing the NAVD 88
NS0016.geopotential number by the normal gravity value computed on the
NS0016.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
NS0016.degrees latitude (g = 980.6199 gals.).
NS0016
NS0016.The modeled gravity was interpolated from observed gravity values.
NS0016
NS0016. The following values were computed from the NAD 83(1993) position.
NS0016
NS0016;
NS0016;SPC WYWC      -          North          East          Units Scale Factor Converg.
NS0016;SPC WYWC      -          229,879.561    639,014.850    MT  0.99995622  +0 19 17.3
NS0016;SPC WYWC      -          754,196.53    2,096,501.22   SFT 0.99995622  +0 19 17.3

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NS0016;UTM 12 - 4,716,547.233 723,679.526 MT 1.00021561 +1 50 39.4
 NS0016
 NS0016!
 NS0016!SPC WYWC - Elev Factor x Scale Factor = Combined Factor
 NS0016!SPC WYWC - 0.99968185 x 0.99995622 = 0.99963808
 NS0016!UTM 12 - 0.99968185 x 1.00021561 = 0.99989739
 NS0016
 NS0016: Primary Azimuth Mark Grid Az
 NS0016:SPC WYWC - PASS 347 59 16.8
 NS0016:UTM 12 - PASS 346 27 54.7
 NS0016

NS0016_U.S. NATIONAL GRID SPATIAL ADDRESS: 12TYN2367916547(NAD 83)

NS0016

PID	Reference Object	Distance	Geod. Az
			dddmmss.s
NS0170	PASS	APPROX. 3.7 KM	3481834.1

NS0016
 NS0016 SUPERSEDED SURVEY CONTROL
 NS0016
 NS0016 NAD 83(1986)- 42 34 08.14235(N) 108 16 29.31569(W) AD() 3
 NS0016 NAD 27 - 42 34 08.29296(N) 108 16 26.95788(W) AD() 3
 NS0016 NGVD 29 (??/??/92) 2040.844 (m) 6695.67 (f) ADJ UNCH 2 0
 NS0016 NGVD 29 2040.84 (m) 6695.7 (f) LEVELING 3
 NS0016

NS0016.Superseded values are not recommended for survey control.
 NS0016
 NS0016.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
 NS0016.See file [dsdata.pdf](#) to determine how the superseded data were derived.
 NS0016

NS0016_MARKER: DB = BENCH MARK DISK
 NS0016_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
 NS0016_STAMPING: T 28 1934
 NS0016_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
 NS0016+STABILITY: SURFACE MOTION
 NS0016

HISTORY	Date	Condition	Report By
HISTORY	1934	MONUMENTED	CGS
HISTORY	1951	GOOD	USGS

NS0016
 NS0016 STATION DESCRIPTION
 NS0016
 NS0016'DESCRIBED BY COAST AND GEODETIC SURVEY 1934
 NS0016'33.0 MI SE FROM LANDER.
 NS0016'33 MILES SOUTHEAST OF LANDER, FREMONT COUNTY, ALONG HIGHWAY 287,
 NS0016'THENCE APPROXIMATELY 1.5 MILES SOUTH AND EAST ALONG THE OLD HIGHWAY,
 NS0016'IN THE SOUTHWEST 1/2, SE 1/4 OF SECTION 14, T 30 N R 96 W,
 NS0016'APPROXIMATELY 1800 FEET SOUTHEAST OF ROAD FORK, 114 FEET SOUTHWEST OF
 NS0016'A WASHED-OUT CULVERT, 48 FEET SOUTHWEST OF THE CENTERLINE OF THE ROAD
 NS0016'AT THE TOP OF A SMALL HILL. A STANDARD DISK, STAMPED T 28 1934 AND
 NS0016'SET IN A CONCRETE POST.
 NS0016

NS0016
 NS0016 STATION RECOVERY (1951)
 NS0016
 NS0016'RECOVERY NOTE BY US GEOLOGICAL SURVEY 1951

NS0016'STATION IS LOCATED ABOUT 30.0 AIRLINE MI. SW. OF THE CITY OF LANDER,
NS0016'WYOMING, AND ABOUT 3.0 MI. NW. OF THE SWEETWATER STATION ON FLAT
NS0016'GROUND JUST TO THE E. OF A DEEP DRAIN.
NS0016'
NS0016'FROM THE JUNCTION OF HIGHWAY 287 AND HIGHWAY 28 CONTINUE ALONG HIGHWAY
NS0016'287 FOR 25.5 MI.AND TURN RIGHT ON A DIM RD.DRIVE ON RD.-RD. TURNS E.-
NS0016'UNTIL A DEEP DRAIN IS CROSSED. STATION LIES JUST PAST THE DEEP DRAIN
NS0016'TO THE S. OF THE HIGHWAY.
NS0016'
NS0016'STATION MARK - STANDARD USC AND GS BRONZE TABLET CEMENTED INTO A
NS0016'CONCRETE MONUMENT.
NS0016'
NS0016'REFERENCE MARKS - NONE.

*** retrieval complete.
Elapsed Time = 00:00:00

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.4

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1      National Geodetic Survey,   Retrieval Date = OCTOBER  2, 2019
NS0030 *****
NS0030 FBN          -   This is a Federal Base Network Control Station.
NS0030 DESIGNATION -   J 20
NS0030 PID          -   NS0030
NS0030 STATE/COUNTY-   WY/FREMONT
NS0030 COUNTRY      -   US
NS0030 USGS QUAD    -   PACIFIC SPRINGS (1980)
NS0030
NS0030                                *CURRENT SURVEY CONTROL
NS0030
NS0030* NAD 83(2011) POSITION- 42 21 41.67660(N) 108 55 45.40213(W) ADJUSTED
NS0030* NAD 83(2011) ELLIP HT- 2275.860 (meters) (06/27/12) ADJUSTED
NS0030* NAD 83(2011) EPOCH   - 2010.00
NS0030* NAVD 88 ORTHO HEIGHT - 2288.156 (meters) 7507.06 (feet) ADJUSTED
NS0030
NS0030 GEOID HEIGHT   -          -12.323 (meters) GEOID18
NS0030 NAD 83(2011) X - -1,531,727.438 (meters) COMP
NS0030 NAD 83(2011) Y - -4,466,360.894 (meters) COMP
NS0030 NAD 83(2011) Z -  4,276,899.104 (meters) COMP
NS0030 LAPLACE CORR   -           3.77 (seconds) DEFLEC18
NS0030 DYNAMIC HEIGHT -          2286.262 (meters) 7500.84 (feet) COMP
NS0030 MODELED GRAVITY -          979,711.0 (mgal) NAVD 88
NS0030
NS0030 VERT ORDER     -   FIRST      CLASS II
NS0030
NS0030 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
NS0030 Standards:
NS0030          FGDC (95% conf, cm)      Standard deviation (cm)      CorrNE
NS0030          Horiz Ellip              SD_N   SD_E   SD_h      (unitless)
NS0030 -----
NS0030 NETWORK      0.68   1.86              0.31   0.24   0.95      0.04081802
NS0030 -----
NS0030 Click here for local accuracies and other accuracy information.
NS0030
NS0030
NS0030.The horizontal coordinates were established by GPS observations
NS0030.and adjusted by the National Geodetic Survey in June 2012.
NS0030
NS0030.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
NS0030.been affixed to the stable North American tectonic plate. See
NS0030.NA2011 for more information.
NS0030
NS0030.The horizontal coordinates are valid at the epoch date displayed above
NS0030.which is a decimal equivalence of Year/Month/Day.
NS0030
NS0030.The orthometric height was determined by differential leveling and

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NS0030_MAGNETIC: N = NO MAGNETIC MATERIAL
 NS0030_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
 NS0030+STABILITY: SURFACE MOTION
 NS0030_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
 NS0030+SATELLITE: SATELLITE OBSERVATIONS - July 14, 1999

NS0030
 NS0030 HISTORY - Date Condition Report By
 NS0030 HISTORY - 1933 MONUMENTED CGS
 NS0030 HISTORY - 19930725 GOOD WYDT
 NS0030 HISTORY - 19990714 GOOD NGS

NS0030
 NS0030 STATION DESCRIPTION

NS0030
 NS0030'DESCRIBED BY COAST AND GEODETIC SURVEY 1933
 NS0030'11.0 MI SW FROM SOUTH PASS CITY.
 NS0030'11.0 MILES SOUTHWEST ALONG THE ROAD TO FARSON FROM THE POST OFFICE AT
 NS0030'SOUTH PASS CITY, FREMONT COUNTY, 0.4 MILE SOUTHWEST OF THE CREST OF A
 NS0030'LONG RIDGE, 72 FEET SOUTHEAST OF THE CENTER LINE OF THE MAIN ROAD, AND
 NS0030'6 FEET EAST OF A SIDE ROAD. A STANDARD DISK, STAMPED 7502.564 J 20
 NS0030'1933 AND SET IN THE TOP OF A CONCRETE POST PROJECTING 6 INCHES ABOVE
 NS0030'GROUND.

NS0030
 NS0030 STATION RECOVERY (1993)
 NS0030

NS0030'RECOVERY NOTE BY WYOMING DEPARTMENT OF TRANSPORTATION 1993 (RR)
 NS0030'STATION IS LOCATED ABOUT 70 KM (43.50 MI) SOUTHWEST OF LANDER, 52 KM
 NS0030'(32.30 MI) NORTHEAST OF FARSON, 18 KM (11.20 MI) NORTHEAST OF THE
 NS0030'SUBLETT-SWEETWATER-FREMONT COUNTIES JUNCTION CORNER, 1.6 KM (1.00 MI)
 NS0030'SOUTHEAST OF THE CONTINENTAL DIVIDE, ON HIGHWAY RIGHT-OF-WAY, AT MILE
 NS0030'32.1, IN THE NORTHEAST 1/4 OF SECTION 36, T 28 N, R 102 W.
 NS0030'OWNERSHIP--WYOMING DEPARTMENT OF TRANSPORTATION. TO REACH FROM THE
 NS0030'JUNCTION OF US HIGHWAY 287 AND STATE HIGHWAYS 28 AND 789 (ABOUT 14 KM
 NS0030'(8.70 MI) SOUTHEAST OF LANDER), GO SOUTHWEST ON HIGHWAY 28 FOR 54.6 KM
 NS0030'(33.90 MI) TO THE BRIDGE OVER THE SWEETWATER RIVER, JUST PAST THE REST
 NS0030'AREA. CONTINUE AHEAD FOR 1.26 KM (0.80 MI) TO A BIG SANDY ROAD ON THE
 NS0030'RIGHT. CONTINUE AHEAD FOR 2.04 KM (1.25 MI) TO THE STATION ON THE
 NS0030'RIGHT. STATION MARK IS A DISK SET IN THE TOP OF A 25-CM SQUARE
 NS0030'CONCRETE POST PROJECTING 15 CM ABOVE GROUND. IT IS 21.9 M (71.9 FT)
 NS0030'NORTHWEST OF, AND LEVEL WITH THE HIGHWAY CENTER, 23.2 M (76.1 FT)
 NS0030'SOUTHEAST OF THE RIGHT-OF-WAY FENCE, AND 0.3 M (1.0 FT) SOUTHEAST OF A
 NS0030'FIBERGLASS WITNESS POST. DESCRIBED BY WHD, TYPED BY GRH.

NS0030
 NS0030 STATION RECOVERY (1999)
 NS0030

NS0030'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1999 (CSM)
 NS0030'RECOVERED BY NATIONAL GEODETIC SURVEY 1999. RECOVERED IN GOOD
 NS0030'CONDITION AND AS PREVIOUSLY DESCRIBED. THE NGS WITNESS POST
 NS0030'MEASUREMENT HAS CHANGED. ADD 1.40 M (4.59 FT) NORTHEAST OF AN NGS
 NS0030'FIBERGLASS WITNESS POST, 0.70 M (2.30 FT) SOUTHEAST OF A WYDOT
 NS0030'FIBERGLASS WITNESS POST AND SURROUNDED BY 3 4X4 WOOD POSTS.

*** retrieval complete.
 Elapsed Time = 00:00:00

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.4

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1      National Geodetic Survey,   Retrieval Date = OCTOBER  2, 2019
NS0044 *****
NS0044 DESIGNATION -   U 20
NS0044 PID          -   NS0044
NS0044 STATE/COUNTY-  WY/FREMONT
NS0044 COUNTRY      -   US
NS0044 USGS QUAD    -   GRAVEL SPRING (1953)
NS0044
NS0044                      *CURRENT SURVEY CONTROL
NS0044
NS0044* NAD 83(1986) POSITION- 42 36 05.2      (N) 108 37 26.1      (W)  HD_HELD2
NS0044* NAVD 88 ORTHO HEIGHT - 2043.171 (meters)      6703.30      (feet) ADJUSTED
NS0044
NS0044 GEOID HEIGHT      -      -11.651 (meters)                      GEOID18
NS0044 DYNAMIC HEIGHT   -      2041.657 (meters)      6698.34      (feet) COMP
NS0044 MODELED GRAVITY  -      979,806.7      (mgal)                      NAVD 88
NS0044
NS0044 VERT ORDER       -   FIRST      CLASS II
NS0044
NS0044.The horizontal coordinates were established by autonomous hand held GPS
NS0044.observations and have an estimated accuracy of +/- 10 meters.
NS0044.
NS0044.The orthometric height was determined by differential leveling and
NS0044.adjusted by the NATIONAL GEODETIC SURVEY
NS0044.in June 1991.
NS0044
NS0044.Significant digits in the geoid height do not necessarily reflect accuracy.
NS0044.GEOID18 height accuracy estimate available here.
NS0044
NS0044.Click here to see if photographs exist for this station.
NS0044
NS0044.The dynamic height is computed by dividing the NAVD 88
NS0044.geopotential number by the normal gravity value computed on the
NS0044.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
NS0044.degrees latitude (g = 980.6199 gals.).
NS0044
NS0044.The modeled gravity was interpolated from observed gravity values.
NS0044
NS0044;                      North      East      Units  Estimated Accuracy
NS0044;SPC WYWC      -      233,389.      610,347.      MT      (+/- 10 meters HH2 GPS)
NS0044
NS0044_U.S. NATIONAL GRID SPATIAL ADDRESS: 12TXN9492219294(NAD 83)
NS0044
NS0044                      SUPERSEDED SURVEY CONTROL
NS0044
NS0044 NGVD 29 (??/??/92) 2042.056      (m)      6699.65      (f) ADJ UNCH      1 2
NS0044

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NS0044.Superseded values are not recommended for survey control.

NS0044

NS0044.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

NS0044.See file [dsdata.pdf](#) to determine how the superseded data were derived.

NS0044

NS0044_MARKER: DB = BENCH MARK DISK

NS0044_SETTING: 80 = SET IN A BOULDER

NS0044_STAMPING: 6699.216 U 20 1933

NS0044_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

NS0044+STABILITY: SURFACE MOTION

NS0044

NS0044	HISTORY	- Date	Condition	Report By
NS0044	HISTORY	- 1933	MONUMENTED	CGS

NS0044	HISTORY	- 1933	MONUMENTED	CGS
NS0044				

NS0044

NS0044 STATION DESCRIPTION

NS0044

NS0044'DESCRIBED BY COAST AND GEODETIC SURVEY 1933

NS0044'9.4 MI SE FROM LANDER.

NS0044'9.4 MILES SOUTHEAST ALONG U.S. HIGHWAY 287 FROM LANDER, FREMONT

NS0044'COUNTY, THENCE 11.2 MILES SOUTHWEST ALONG THE ROAD LEADING TO ATLANTIC

NS0044'CITY. 10.9 MILES NORTHEAST OF ATLANTIC CITY, 200 FEET NORTH OF A

NS0044'CABIN, 65 FEET EAST OF A CREEK, 42 FEET NORTHWEST OF THE CENTER LINE

NS0044'OF THE ROAD, AND IN THE TOP OF A LARGE BOULDER MARKED BY A STONE

NS0044'PYRAMID. A STANDARD DISK, STAMPED 6699.216 U 20 1933.

*** retrieval complete.

Elapsed Time = 00:00:01

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.4

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1      National Geodetic Survey,   Retrieval Date = OCTOBER  2, 2019
NS0107 *****
NS0107 CBN          -   This is a Cooperative Base Network Control Station.
NS0107 DESIGNATION -   P 43
NS0107 PID          -   NS0107
NS0107 STATE/COUNTY-   WY/SUBLETTE
NS0107 COUNTRY      -   US
NS0107 USGS QUAD    -   BULL DRAW (1969)
NS0107
NS0107                                *CURRENT SURVEY CONTROL
NS0107
NS0107* NAD 83(2011) POSITION- 42 24 06.98115(N) 109 32 50.88513(W) ADJUSTED
NS0107* NAD 83(2011) ELLIP HT- 2125.186 (meters) (06/27/12) ADJUSTED
NS0107* NAD 83(2011) EPOCH   - 2010.00
NS0107* NAVD 88 ORTHO HEIGHT - 2138.676 (meters) 7016.64 (feet) ADJUSTED
NS0107
NS0107 GEOID HEIGHT   -          -13.486 (meters) GEOID18
NS0107 NAD 83(2011) X - -1,578,778.139 (meters) COMP
NS0107 NAD 83(2011) Y - -4,446,620.905 (meters) COMP
NS0107 NAD 83(2011) Z -  4,280,110.498 (meters) COMP
NS0107 LAPLACE CORR   -           3.35 (seconds) DEFLEC18
NS0107 DYNAMIC HEIGHT -          2136.879 (meters) 7010.74 (feet) COMP
NS0107 MODELED GRAVITY -          979,705.4 (mgal) NAVD 88
NS0107
NS0107 VERT ORDER     -   FIRST      CLASS II
NS0107
NS0107 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
NS0107 Standards:
NS0107          FGDC (95% conf, cm)      Standard deviation (cm)      CorrNE
NS0107          Horiz Ellip              SD_N   SD_E   SD_h      (unitless)
NS0107 -----
NS0107 NETWORK      1.48   4.57              0.69   0.47   2.33      -0.12062934
NS0107 -----
NS0107 Click here for local accuracies and other accuracy information.
NS0107
NS0107
NS0107.The horizontal coordinates were established by GPS observations
NS0107.and adjusted by the National Geodetic Survey in June 2012.
NS0107
NS0107.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
NS0107.been affixed to the stable North American tectonic plate. See
NS0107.NA2011 for more information.
NS0107
NS0107.The horizontal coordinates are valid at the epoch date displayed above
NS0107.which is a decimal equivalence of Year/Month/Day.
NS0107
NS0107.The orthometric height was determined by differential leveling and

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NS0107_MAGNETIC: N = NO MAGNETIC MATERIAL
 NS0107_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
 NS0107+STABILITY: SURFACE MOTION
 NS0107_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
 NS0107+SATELLITE: SATELLITE OBSERVATIONS - September 30, 2011

NS0107	HISTORY	- Date	Condition	Report By
NS0107	HISTORY	- 1934	MONUMENTED	CGS
NS0107	HISTORY	- 1969	GOOD	USGS
NS0107	HISTORY	- 19930719	GOOD	NGS
NS0107	HISTORY	- 20110930	GOOD	GEOCAC

NS0107
 NS0107 STATION DESCRIPTION
 NS0107

NS0107'DESCRIBED BY COAST AND GEODETIC SURVEY 1934
 NS0107'20.2 MI NW FROM FARSON.
 NS0107'HOTEL AT FARSON, 20.2 MILES NORTHWEST OF, ALONG US HWY. 187. 0.2
 NS0107'MILES NORTHWESTERLY OF CATTLEGUARD. 91 FT. SOUTHWEST OF CENTER LINE
 NS0107'OF HWY. BRASS CAP IN TOP OF CONCRETE POST. IN NW OF SEC 15. T.28 N--
 NS0107'R107W, STAMPED P 43 1934.

NS0107
 NS0107 STATION RECOVERY (1969)
 NS0107

NS0107'RECOVERY NOTE BY US GEOLOGICAL SURVEY 1969
 NS0107'RECOVERED IN GOOD CONDITION.

NS0107
 NS0107 STATION RECOVERY (1993)
 NS0107

NS0107'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1993 (GRH)
 NS0107'STATION IS LOCATED ABOUT 34 KM (21.10 MI) NORTH-NORTHWEST OF FARSON,
 NS0107'15 KM (9.30 MI) NORTH OF THE SUBLETTE-SWEETWATER COUNTY LINE, 25 KM
 NS0107'(15.55 MI) SOUTHEAST OF THE JUNCTION OF US HIGHWAY 191 AND STATE
 NS0107'HIGHWAY 351 (BIG PINEY CUTOFF), ALONG HIGHWAY 191, 0.33 KM (0.20 MI)
 NS0107'NORTH-NORTHWEST OF THE JUNCTION OF THE OLD HIGHWAY LEADING SOUTH, AT
 NS0107'MILE 61.85, ON THE RIGHT-OF-WAY, IN WEST CENTRAL SECTION 14, T 28 N, R
 NS0107'107 W. OWNERSHIP--STATE HIGHWAY DEPARTMENT. TO REACH FROM THE
 NS0107'JUNCTION OF HIGHWAYS 191 AND 351, GO SOUTHEAST ON HIGHWAY 191 FOR
 NS0107'15.54 KM (9.65 MI) TO A GRADED ROAD RIGHT LEADING TO THE JONAH OIL
 NS0107'LEASE. CONTINUE AHEAD FOR 6.08 KM (3.75 MI) TO A TRACK ROAD RIGHT
 NS0107'LEADING TO TWO RADIO MASTS. CONTINUE AHEAD FOR 2.42 KM (1.50 MI) TO
 NS0107'THE STATION ON THE RIGHT. STATION MARK IS SET IN THE TOP OF A 20-CM
 NS0107'SQUARE CONCRETE POST PROJECTING 10 CM ABOVE GROUND, AND UNDER A SAGE
 NS0107'BUSH. IT IS 27.6 M (90.6 FT) SOUTHWEST OF, AND 0.5 M (1.6 FT) LOWER
 NS0107'THAN THE HIGHWAY CENTER, 2.6 M (8.5 FT) NORTHEAST OF THE RIGHT-OF-WAY
 NS0107'FENCE, 0.9 M (3.0 FT) NORTHWEST OF A FIBERGLASS WITNESS POST, AND 0.3
 NS0107'M (1.0 FT) SOUTH-SOUTHWEST OF ROUND WOOD POST WITH WHITE REFLECTOR.
 NS0107'DESCRIBED BY G.R.HEID

NS0107
 NS0107 STATION RECOVERY (2011)
 NS0107

NS0107'RECOVERY NOTE BY GEOCACHING 2011 (MEL)
 NS0107'RECOVERED IN GOOD CONDITION.

*** retrieval complete.
 Elapsed Time = 00:00:01

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.4

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1      National Geodetic Survey,   Retrieval Date = SEPTEMBER 11, 2019
NT0008 *****
NT0008 FBN          -   This is a Federal Base Network Control Station.
NT0008 DESIGNATION -   U 44
NT0008 PID          -   NT0008
NT0008 STATE/COUNTY-   WY/SUBLETTE
NT0008 COUNTRY      -   US
NT0008 USGS QUAD    -   DANIEL JUNCTION (1970)
NT0008
NT0008                      *CURRENT SURVEY CONTROL
NT0008
NT0008* NAD 83(2011) POSITION- 42 55 33.86994(N) 110 04 52.35890(W) ADJUSTED
NT0008* NAD 83(2011) ELLIP HT- 2237.338 (meters) (06/27/12) ADJUSTED
NT0008* NAD 83(2011) EPOCH   - 2010.00
NT0008* NAVD 88 ORTHO HEIGHT - 2248.716 (meters) 7377.66 (feet) ADJUSTED
NT0008
NT0008 GEOID HEIGHT   -   -11.378 (meters) GEOID18
NT0008 NAD 83(2011) X - -1,606,607.429 (meters) COMP
NT0008 NAD 83(2011) Y - -4,394,726.200 (meters) COMP
NT0008 NAD 83(2011) Z - 4,323,015.669 (meters) COMP
NT0008 LAPLACE CORR   -   1.25 (seconds) DEFLEC18
NT0008 DYNAMIC HEIGHT -   2246.895 (meters) 7371.69 (feet) COMP
NT0008 MODELED GRAVITY -   979,730.4 (mgal) NAVD 88
NT0008
NT0008 VERT ORDER     -   FIRST CLASS II
NT0008
NT0008 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
NT0008 Standards:
NT0008          FGDC (95% conf, cm)          Standard deviation (cm)          CorrNE
NT0008          Horiz Ellip                  SD_N   SD_E   SD_h          (unitless)
NT0008 -----
NT0008 NETWORK      0.69   1.76                0.29   0.27   0.90          0.05376926
NT0008 -----
NT0008 Click here for local accuracies and other accuracy information.
NT0008
NT0008
NT0008.The horizontal coordinates were established by GPS observations
NT0008.and adjusted by the National Geodetic Survey in June 2012.
NT0008
NT0008.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
NT0008.been affixed to the stable North American tectonic plate. See
NT0008.NA2011 for more information.
NT0008
NT0008.The horizontal coordinates are valid at the epoch date displayed above
NT0008.which is a decimal equivalence of Year/Month/Day.
NT0008
NT0008.The orthometric height was determined by differential leveling and

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NT0008_PROJECTION: PROJECTING 8 CENTIMETERS
 NT0008_MAGNETIC: N = NO MAGNETIC MATERIAL
 NT0008_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
 NT0008+STABILITY: SURFACE MOTION
 NT0008_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
 NT0008+SATELLITE: SATELLITE OBSERVATIONS - December 11, 2009

NT0008	HISTORY	- Date	Condition	Report By
NT0008	HISTORY	- 1934	MONUMENTED	CGS
NT0008	HISTORY	- 19930719	GOOD	NGS
NT0008	HISTORY	- 19930720	GOOD	LOCENG
NT0008	HISTORY	- 19990719	GOOD	NGS
NT0008	HISTORY	- 20081014	GOOD	WYDT
NT0008	HISTORY	- 20091211	GOOD	WOOLPT

NT0008

NT0008 STATION DESCRIPTION

NT0008

NT0008'DESCRIBED BY COAST AND GEODETIC SURVEY 1934

NT0008'13.4 MI NW FROM PINEDALE.

NT0008'ABOUT 13.4 MILES NORTHWEST ALONG U.S. HIGHWAY 187 FROM THE COURTHOUSE

NT0008'AT PINEDALE, SUBLETTE COUNTY, ABOUT 2.6 MILES NORTH OF THE JUNCTION

NT0008'WITH STATE HIGHWAY 287, 54.0 FEET WEST OF THE CENTER LINE OF THE

NT0008'HIGHWAY, 27.7 FEET NORTH OF THE NORTH END OF A GATE, AND 4.0 FEET WEST

NT0008'OF THE RIGHT-OF-WAY FENCE. A STANDARD DISK, STAMPED U 44 1934 AND SET

NT0008'IN THE TOP OF A CONCRETE POST.

NT0008

NT0008 STATION RECOVERY (1993)

NT0008

NT0008'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1993 (GRH)

NT0008'STATION IS LOCATED ABOUT 19 KM (11.80 MI) WEST-NORTHWEST OF PINEDALE,

NT0008'4 KM (2.50 MI) NORTH OF DANIEL JUNCTION, ALONG US HIGHWAYS 189 AND

NT0008'191, AT MILE 113.2, ON THE RIGHT-OF-WAY, IN THE SOUTHEAST 1/4 OF

NT0008'SECTION 10, T 34 N, R 111 W. OWNERSHIP--STATE HIGHWAY DEPARTMENT. TO

NT0008'REACH FROM THE JUNCTION OF US HIGHWAYS 189 AND 191 AT DANIEL JUNCTION,

NT0008'GO NORTH ON HIGHWAYS 189 AND 191 FOR 0.45 KM (0.25 MI) TO STATE

NT0008'HIGHWAY 354 ON THE LEFT. CONTINUE AHEAD FOR 3.93 KM (2.45 MI) TO THE

NT0008'STATION ON THE LEFT. STATION MARK IS A DISK SET IN THE TOP OF A 20-CM

NT0008'SQUARE CONCRETE POST PROJECTING 10 CM ABOVE GROUND. IT IS 28.5 M

NT0008'(93.5 FT) WEST OF, AND 2 M (6.6 FT) LOWER THAN THE HIGHWAY CENTER, 1.8

NT0008'M (5.9 FT) EAST OF THE RIGHT-OF-WAY FENCE, 0.7 M (2.3 FT) SOUTH OF A

NT0008'FIBERGLASS WITNESS POST, AND 163 M (534.8 FT) SOUTH OF A T-FENCE

NT0008'CORNER WITH TWO RANGE ENTRANCES. DESCRIBED BY G.R.HEID

NT0008

NT0008 STATION RECOVERY (1993)

NT0008

NT0008'RECOVERY NOTE BY LOCAL ENGINEER (INDIVIDUAL OR FIRM) 1993

NT0008'RECOVERED IN GOOD CONDITION. NOTE--MONUMENT IS EASTERLY 6 FEET

NT0008'(1.8 M) OF WEST R/W FENCE. CARSONITE SIGN POST NORTHERLY 2 FEET.

NT0008

NT0008 STATION RECOVERY (1999)

NT0008

NT0008'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1999 (CSM)

NT0008'RECOVERED BY NATIONAL GEODETIC SURVEY 1999. RECOVERED IN GOOD

NT0008'CONDITION AND AS PREVIOUSLY DESCRIBED. ADD 0.92 M (3.02 FT) NORTH OF

NT0008'A WYDOT FIBERGLASS WITNESS POST AND SURROUNDED BY 3 4X4 WOOD POSTS.

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.4

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1      National Geodetic Survey,   Retrieval Date = OCTOBER  2,  2019
NT0020 *****
NT0020 DESIGNATION -   G 50
NT0020 PID          -   NT0020
NT0020 STATE/COUNTY-  WY/SUBLETTE
NT0020 COUNTRY      -   US
NT0020 USGS QUAD    -   BALL ISLAND (1970)
NT0020
NT0020                      *CURRENT SURVEY CONTROL
NT0020
NT0020* NAD 83(2011) POSITION- 42 42 25.27991(N) 110 04 37.04208(W) ADJUSTED
NT0020* NAD 83(2011) ELLIP HT- 2149.147 (meters)                (06/27/12) ADJUSTED
NT0020* NAD 83(2011) EPOCH   - 2010.00
NT0020* NAVD 88 ORTHO HEIGHT - 2161.306 (meters)                7090.88 (feet) ADJUSTED
NT0020
NT0020 GEOID HEIGHT   -           -12.156 (meters)                GEOID18
NT0020 NAD 83(2011) X - -1,611,938.349 (meters)                COMP
NT0020 NAD 83(2011) Y - -4,410,323.989 (meters)                COMP
NT0020 NAD 83(2011) Z -  4,305,099.497 (meters)                COMP
NT0020 LAPLACE CORR   -           -5.46 (seconds)                DEFLEC18
NT0020 DYNAMIC HEIGHT -           2159.571 (meters)                7085.19 (feet) COMP
NT0020 MODELED GRAVITY -           979,741.1 (mgal)                NAVD 88
NT0020
NT0020 VERT ORDER     -   SECOND    CLASS 0
NT0020
NT0020 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
NT0020 Standards:
NT0020          FGDC (95% conf, cm)      Standard deviation (cm)      CorrNE
NT0020          Horiz Ellip              SD_N   SD_E   SD_h          (unitless)
NT0020 -----
NT0020 NETWORK      1.18   3.08              0.53   0.42   1.57          0.01568532
NT0020 -----
NT0020 Click here for local accuracies and other accuracy information.
NT0020
NT0020
NT0020.The horizontal coordinates were established by GPS observations
NT0020.and adjusted by the National Geodetic Survey in June 2012.
NT0020
NT0020.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
NT0020.been affixed to the stable North American tectonic plate. See
NT0020.NA2011 for more information.
NT0020
NT0020.The horizontal coordinates are valid at the epoch date displayed above
NT0020.which is a decimal equivalence of Year/Month/Day.
NT0020
NT0020.The orthometric height was determined by differential leveling and
NT0020.adjusted by the NATIONAL GEODETIC SURVEY

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NT0020_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

NT0020+SATELLITE: SATELLITE OBSERVATIONS - December 11, 2009

NT0020

NT0020	HISTORY	- Date	Condition	Report By
NT0020	HISTORY	- 1934	MONUMENTED	CGS
NT0020	HISTORY	- 1970	GOOD	USGS
NT0020	HISTORY	- 1989	MARK NOT FOUND	WYHD
NT0020	HISTORY	- 19910605	GOOD	LOCENG
NT0020	HISTORY	- 20091211	GOOD	WOOLPT

NT0020

NT0020 STATION DESCRIPTION

NT0020

NT0020'DESCRIBED BY US GEOLOGICAL SURVEY 1970

NT0020'11.2 MI N FROM BIG PINEY.

NT0020'BIG PINEY, JUNCTION OF U.S. HIGHWAY 189 AND STATE HIGHWAY 1800, 11.2

NT0020'MILES NORTH ALONG U.S. HIGHWAY 189, 345 FEET NORTHEAST Y ROAD, 145

NT0020'FEET NORTHEAST OF CATTLEGUARD, 36 FEET SOUTHEAST OF GRAVEL ROAD, 5

NT0020'FEET SOUTHEAST OF BRACE POST AT FENCE CORNER, SET IN TOP OF A CONCRETE

NT0020'POST PROJECTING 0.6 FOOT, A STANDARD DISK STAMPED G 50 1934.

NT0020

NT0020 STATION RECOVERY (1989)

NT0020

NT0020'RECOVERY NOTE BY WYOMING HIGHWAY DEPARTMENT 1989 (SVW)

NT0020'MARK NOT FOUND.

NT0020

NT0020 STATION RECOVERY (1991)

NT0020

NT0020'RECOVERY NOTE BY LOCAL ENGINEER (INDIVIDUAL OR FIRM) 1991

NT0020'RECOVERED IN GOOD CONDITION. NOTE--PLACED NGS SIGN ON BLACK STEEL

NT0020'FENCE POST WESTERLY 1 FOOT, DESCRIPTION REFERS TO ABANDONED HIGHWAY

NT0020'189, MONUMENT IS NEAR JUNCTION OF RELOCATED HIGHWAY 189 WITH PREVIOUS

NT0020'HIGHWAY, MONUMENT IS EASTERLY 4 FEET (1.2 M) OF CORNER FENCE POST.

NT0020

NT0020 STATION RECOVERY (2009)

NT0020

NT0020'RECOVERY NOTE BY WOOLPERT CONSULTANTS 2009 (BAJ)

NT0020'RECOVERED AS DESCRIBED, A NEW DESCRIPTION FOLLOWS. THE STATION IS

NT0020'LOCATED ABOUT 25 KM (15.5 MI) SOUTHWEST OF PINEDALE, ABOUT 17 KM (10.6

NT0020'MI) SOUTH OF DANIEL AND ABOUT 17 KM (10.6 MI) NORTH OF MARBLETON, JUST

NT0020'OUTSIDE THE RIGHT-OF-WAY FOR MACK ROAD EAST OF US HIGHWAY 189 -

NT0020'OWNERSHIP UNKNOWN.

NT0020'

NT0020'TO REACH FROM THE INTERSECTION OF US HIGHWAY 191 AND US HIGHWAY 189

NT0020'WEST OF PINEDALE, GO SOUTH ON HIGHWAY 189 FOR 3.0 KM (1.9 MI) TO THE

NT0020'VILLAGE OF DANIEL. CONTINUE SOUTHERLY ON HIGHWAY 189 FOR 16.6 KM

NT0020'(10.3 MI) TO COTTONWOOD RYEGRASS ROAD RIGHT. CONTINUE SOUTH ON

NT0020'HIGHWAY 189 FOR 2.0 KM (1.2 MI) TO A SIDE ROAD EAST. TURN LEFT AND GO

NT0020'EAST ON MACK ROAD FOR 60 M (196.9 FT) TO THE STATION ON THE RIGHT.

NT0020'

NT0020'THE MARK IS A USCGS DISK SET IN THE TOP OF A CONCRETE POST PROJECTING

NT0020'15 CM (6 INCHES) IT IS ABOUT 13 M (42.7 FT) SOUTHEAST OF THE CENTER OF

NT0020'MACK ROAD, 1.3 M (4.3 FT) SOUTHEAST OF A FENCE CORNER POST AND 0.3 M

NT0020'(1.0 FT) EAST OF A STEEL WITNESS POST.

*** retrieval complete.

Elapsed Time = 00:00:01

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.4

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1      National Geodetic Survey,   Retrieval Date = SEPTEMBER 11, 2019
NT0037 *****
NT0037 DESIGNATION - V 50
NT0037 PID - NT0037
NT0037 STATE/COUNTY- WY/SUBLETTE
NT0037 COUNTRY - US
NT0037 USGS QUAD - LA BARGE (1980)
NT0037
NT0037 *CURRENT SURVEY CONTROL
NT0037
NT0037* NAD 83(1986) POSITION- 42 19 16. (N) 110 10 55. (W) SCALED
NT0037* NAVD 88 ORTHO HEIGHT - 2031.073 (meters) 6663.61 (feet) ADJUSTED
NT0037
NT0037 GEOID HEIGHT - -13.125 (meters) GEOID18
NT0037 DYNAMIC HEIGHT - 2029.422 (meters) 6658.20 (feet) COMP
NT0037 MODELED GRAVITY - 979,736.9 (mgal) NAVD 88
NT0037
NT0037 VERT ORDER - SECOND CLASS 0
NT0037
NT0037.The horizontal coordinates were scaled from a map and have
NT0037.an estimated accuracy of +/- 6 seconds.
NT0037.
NT0037.The orthometric height was determined by differential leveling and
NT0037.adjusted by the NATIONAL GEODETIC SURVEY
NT0037.in June 1991.
NT0037
NT0037.Significant digits in the geoid height do not necessarily reflect accuracy.
NT0037.GEOID18 height accuracy estimate available here.
NT0037
NT0037.Click here to see if photographs exist for this station.
NT0037
NT0037.The dynamic height is computed by dividing the NAVD 88
NT0037.geopotential number by the normal gravity value computed on the
NT0037.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
NT0037.degrees latitude (g = 980.6199 gals.).
NT0037
NT0037.The modeled gravity was interpolated from observed gravity values.
NT0037
NT0037; North East Units Estimated Accuracy
NT0037;SPC WY W - 302,250. 791,870. MT (+/- 180 meters Scaled)
NT0037
NT0037_U.S. NATIONAL GRID SPATIAL ADDRESS: 12TWM674857(NAD 83)
NT0037
NT0037 SUPERSEDED SURVEY CONTROL
NT0037
NT0037 NGVD 29 (??/??/92) 2029.719 (m) 6659.17 (f) ADJ UNCH 2 0
NT0037

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NT0037.Superseded values are not recommended for survey control.

NT0037

NT0037.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

NT0037.See file [dsdata.pdf](#) to determine how the superseded data were derived.

NT0037

NT0037_MARKER: DB = BENCH MARK DISK

NT0037_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

NT0037_STAMPING: V 50 1934

NT0037_MARK LOGO: CGS

NT0037_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

NT0037+STABILITY: SURFACE MOTION

NT0037

HISTORY	- Date	Condition	Report By
HISTORY	- 1934	MONUMENTED	CGS
HISTORY	- 1969	GOOD	USGS
HISTORY	- 19910429	GOOD	USPSQD

NT0037

NT0037 STATION DESCRIPTION

NT0037

NT0037'DESCRIBED BY US GEOLOGICAL SURVEY 1969

NT0037'3.9 MI NE FROM TULSA.

NT0037'LA BARGE POST OFFICE, 5.8 MILES NORTH ALONG STATE HWY. 189 TO A GRADED

NT0037'ROAD LEFT, THEN WEST 0.25 MI. TO OLD HIGHWAY GRADE, THEN LEFT (SSW)

NT0037'ALONG OLD ROADBED 0.45 MI. TO A WASHOUT (OLD CULVERT IS GONE) BENCH

NT0037'MARK IS 40 FEET NORTH ALONG OLD ROADBED, 42 FT. WEST OF THE OLD

NT0037'CENTERLINE, IN TOP OF A CONCRETE POST.

NT0037

NT0037 STATION RECOVERY (1991)

NT0037

NT0037'RECOVERY NOTE BY US POWER SQUADRON 1991 (PNS)

NT0037'RECOVERED IN GOOD CONDITION.

*** retrieval complete.

Elapsed Time = 00:00:00

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.4

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1      National Geodetic Survey,  Retrieval Date = SEPTEMBER 11, 2019
NT0477 *****
NT0477 DESIGNATION - L 50
NT0477 PID - NT0477
NT0477 STATE/COUNTY- WY/SUBLETTE
NT0477 COUNTRY - US
NT0477 USGS QUAD - BIG PINEY EAST (1980)
NT0477
NT0477 *CURRENT SURVEY CONTROL
NT0477
NT0477* NAD 83(1993) POSITION- 42 35 32.68235(N) 110 05 05.30355(W) ADJUSTED
NT0477* NAVD 88 ORTHO HEIGHT - 2095.213 (meters) 6874.04 (feet) ADJUSTED
NT0477
NT0477 GEOID HEIGHT - -12.666 (meters) GEOID18
NT0477 LAPLACE CORR - -6.99 (seconds) DEFLEC18
NT0477 DYNAMIC HEIGHT - 2093.511 (meters) 6868.46 (feet) COMP
NT0477 MODELED GRAVITY - 979,734.6 (mgal) NAVD 88
NT0477
NT0477 HORZ ORDER - THIRD
NT0477 VERT ORDER - SECOND CLASS 0
NT0477
NT0477.The horizontal coordinates were established by GPS observations
NT0477.and adjusted by the National Geodetic Survey in January 1997.
NT0477
NT0477.The orthometric height was determined by differential leveling and
NT0477.adjusted by the NATIONAL GEODETIC SURVEY
NT0477.in June 1991.
NT0477
NT0477.Significant digits in the geoid height do not necessarily reflect accuracy.
NT0477.GEOID18 height accuracy estimate available here.
NT0477
NT0477.Click here to see if photographs exist for this station.
NT0477
NT0477.The Laplace correction was computed from DEFLEC18 derived deflections.
NT0477
NT0477.The dynamic height is computed by dividing the NAVD 88
NT0477.geopotential number by the normal gravity value computed on the
NT0477.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
NT0477.degrees latitude (g = 980.6199 gals.).
NT0477
NT0477.The modeled gravity was interpolated from observed gravity values.
NT0477
NT0477. The following values were computed from the NAD 83(1993) position.
NT0477
NT0477;
NT0477;SPC WY W - North East Units Scale Factor Converg.
NT0477;SPC WY W - 1,090,477.26 2,624,269.98 sFT 0.99993750 -0 00 03.6

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NT0477;UTM 12 - 4,715,960.308 575,087.350 MT 0.99966937 +0 37 09.9
 NT0477

NT0477!
 - Elev Factor x Scale Factor = Combined Factor

NT0477!SPC WY W - 0.99967350 x 0.99993750 = 0.99961102

NT0477!UTM 12 - 0.99967350 x 0.99966937 = 0.99934298

NT0477

NT0477 U.S. NATIONAL GRID SPATIAL ADDRESS: 12TWN7508715960 (NAD 83)

NT0477

NT0477 SUPERSEDED SURVEY CONTROL

NT0477

NT0477 NAD 83(1992)- 42 35 32.68217(N) 110 05 05.30422(W) AD() 3

NT0477 NGVD 29 2093.82 (m) 6869.5 (f) LEVELING 3

NT0477 NGVD 29 (??/??/92) 2093.821 (m) 6869.48 (f) ADJ UNCH 2 0

NT0477

NT0477.Superseded values are not recommended for survey control.

NT0477

NT0477.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

NT0477.See file [dsdata.pdf](#) to determine how the superseded data were derived.

NT0477

NT0477_MARKER: DB = BENCH MARK DISK

NT0477_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

NT0477_STAMPING: L 50 1934

NT0477_MARK LOGO: CGS

NT0477_MAGNETIC: O = OTHER; SEE DESCRIPTION

NT0477_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

NT0477+STABILITY: SURFACE MOTION

NT0477_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

NT0477+SATELLITE: SATELLITE OBSERVATIONS - July 27, 2007

NT0477

HISTORY	Date	Condition	Report By
HISTORY	1934	MONUMENTED	CGS
HISTORY	19640720	GOOD	USGS
HISTORY	19920819	GOOD	NGS
HISTORY	20070727	GOOD	CH2M

NT0477

NT0477 STATION DESCRIPTION

NT0477

NT0477'DESCRIBED BY US GEOLOGICAL SURVEY 1964

NT0477'4.2 MI (6.8 KM) NORTH OF BIG PINEY ALONG U.S. HIGHWAY 189, 0.7 MI

NT0477'(1.1 KM) NORTH OF JUNCTION OF U.S. HIGHWAY 189 AND WYOMING 1801, 70

NT0477'FT (21.3 M) WEST OF HIGHWAY, IN CONCRETE POST PROJECTING 0.5 FT.

NT0477

NT0477 STATION RECOVERY (1992)

NT0477

NT0477'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1992

NT0477'STATION IS LOCATED ABOUT 7 KM (4.3 MI) NORTH OF BIG PINEY, ALONG STATE

NT0477'HIGHWAY 189, ON THE RIGHT-OF-WAY, AT MILE 109.6.OWNERSHIP--WYOMING

NT0477'DEPARTMENT OF TRANSPORTATION.

NT0477'TO REACH FROM THE JUNCTION OF STATE HIGHWAYS 189 AND 350 IN BIG PINEY,

NT0477'GO NORTH ON HIGHWAY 189 FOR 6.57 KM (4.08 MI) TO STATE HIGHWAY 351 ON

NT0477'THE RIGHT. CONTINUE AHEAD FOR 1.01 KM (0.63 MI) TO THE STATION ON

NT0477'THE LEFT.

NT0477'STATION MARK IS SET IN THE TOP OF A 15 CM SQUARE CONCRETE POST

NT0477'PROJECTING 10 CM ABOVE GROUND. IT IS 65 M (213.3 FT) NORTH OF A

NT0477'HIGHWAY 351 SIGN, 21.1 M (69.2 FT) WEST OF AND SLIGHTLY LOWER THAN

NT0477'THE HIGHWAY CENTER, 9.2 M (30.2 FT) EAST OF THE RIGHT-OF-WAY FENCE,
NT0477'0.3 M (1.0 FT) NORTH OF A METAL WITNESS POST, AND 0.5 M (1.6 FT)
NT0477'SOUTH OF A FIBERGLASS WITNESS POST.

NT0477

NT0477

STATION RECOVERY (2007)

NT0477

NT0477'RECOVERY NOTE BY CH2M HILL INCORPORATED 2007 (JDS)

NT0477'RECOVERED IN GOOD CONDITION.

*** retrieval complete.

Elapsed Time = 00:00:00

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.3

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1      National Geodetic Survey,   Retrieval Date = JULY 19, 2019
OU0046 *****
OU0046 DESIGNATION - U 6
OU0046 PID - OU0046
OU0046 STATE/COUNTY- WY/WESTON
OU0046 COUNTRY - US
OU0046 USGS QUAD - NEWCASTLE (1979)
OU0046
OU0046 *CURRENT SURVEY CONTROL
OU0046
OU0046 NAD 83(2011) POSITION- 43 50 24.42568(N) 104 10 24.58557(W) ADJUSTED
OU0046 NAD 83(2011) ELLIP HT- 1309.941 (meters) (06/27/12) ADJUSTED
OU0046 NAD 83(2011) EPOCH - 2010.00
OU0046 NAVD 88 ORTHO HEIGHT - 1323.976 (meters) 4343.74 (feet) ADJUSTED
OU0046
OU0046 GEOID HEIGHT - -14.034 (meters) GEOID12B
OU0046 NAD 83(2011) X - -1,128,491.953 (meters) COMP
OU0046 NAD 83(2011) Y - -4,468,447.595 (meters) COMP
OU0046 NAD 83(2011) Z - 4,396,202.977 (meters) COMP
OU0046 LAPLACE CORR - 9.48 (seconds) DEFLEC12B
OU0046 DYNAMIC HEIGHT - 1323.378 (meters) 4341.78 (feet) COMP
OU0046 MODELED GRAVITY - 980,121.0 (mgal) NAVD 88
OU0046
OU0046 VERT ORDER - FIRST CLASS II
OU0046
OU0046 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
OU0046 Standards:
OU0046 FGDC (95% conf, cm) Standard deviation (cm) CorrNE
OU0046 Horiz Ellip SD_N SD_E SD_h (unitless)
OU0046 -----
OU0046 NETWORK 0.90 2.27 0.42 0.29 1.16 -0.06376645
OU0046 -----
OU0046 Click here for local accuracies and other accuracy information.
OU0046
OU0046
OU0046 The horizontal coordinates were established by GPS observations
OU0046 and adjusted by the National Geodetic Survey in June 2012.
OU0046
OU0046 NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
OU0046 been affixed to the stable North American tectonic plate. See
OU0046 NA2011 for more information.
OU0046
OU0046 The horizontal coordinates are valid at the epoch date displayed above
OU0046 which is a decimal equivalence of Year/Month/Day.
OU0046
OU0046 The orthometric height was determined by differential leveling and
OU0046 adjusted by the NATIONAL GEODETIC SURVEY

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OU0046_STABILITY: D = MARK OF QUESTIONABLE OR UNKNOWN STABILITY
 OU0046_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
 OU0046+SATELLITE: SATELLITE OBSERVATIONS - October 21, 2010

OU0046

OU0046	HISTORY	- Date	Condition	Report By
OU0046	HISTORY	- 1908	MONUMENTED	CGS
OU0046	HISTORY	- 1957	GOOD	CGS
OU0046	HISTORY	- 1985	GOOD	NGS
OU0046	HISTORY	- 19931022	GOOD	NGS
OU0046	HISTORY	- 19950418	GOOD	NGS
OU0046	HISTORY	- 19960815	GOOD	NGS
OU0046	HISTORY	- 19990803	GOOD	NGS
OU0046	HISTORY	- 20101021	GOOD	GEOCAC

OU0046

OU0046

STATION DESCRIPTION

OU0046

OU0046'DESCRIBED BY COAST AND GEODETIC SURVEY 1957

OU0046'1.9 MI SE FROM NEWCASTLE.

OU0046'ABOUT 1.9 MILES SOUTHEAST ALONG THE CHICAGO, BURLINGTON AND
 OU0046'QUINCY RAILROAD FROM THE STATION AT NEWCASTLE, IN SECTION 34,
 OU0046'T.45 N., R.61 W., 6 1/2 RAILS SOUTHEAST OF THE CENTER OF BRIDGE
 OU0046'518.80, 47 FEET NORTH-NORTHWEST OF THE 11TH POLE SOUTHEAST OF
 OU0046'MILEPOST 519, 96 FEET NORTHEAST OF THE NORTHEAST RAIL, 1 1/2 FEET
 OU0046'SOUTHWEST OF THE FENCE LINE, 1 1/2 FEET WEST OF A WHITE WOODEN
 OU0046'WITNESS POST, ABOUT LEVEL WITH THE TRACK, A CAP ON THE TOP OF
 OU0046'A 3-INCH IRON PROJECTING 5 INCHES.

OU0046

OU0046

STATION RECOVERY (1985)

OU0046

OU0046'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1985

OU0046'1.2 KM (0.75 MI) SOUTHEAST ALONG OLD US HIGHWAY 85 FROM THE NEW US
 OU0046'HIGHWAY 85 OVERPASS BRIDGE OVER THE BURLINGTON NORTHERN RAILROAD AT
 OU0046'NEWCASTLE, 0.15 KM (0.1 MI) NORTHWEST OF THE NORTHWEST END OF A LONG
 OU0046'CURVE, 15.7 METERS (51.5 FT) SOUTHWEST OF THE HIGHWAY CENTERLINE, 28.9
 OU0046'METERS (95 FT) NORTHEAST OF THE NORTHEAST RAIL OF THE BURLINGTON
 OU0046'NORTHERN RAILROAD, 14.3 METERS (47 FT) NORTH OF A TELEGRAPH POLE WITH
 OU0046'ONE GUY WIRE AND 6.5 METERS (21.5 FT) SOUTHEAST OF THE EXTENDED CENTER
 OU0046'OF A PRIVATE DRIVEWAY.

OU0046'THE MARK IS 0.5 METERS NW FROM A WITNESS POST

OU0046'THE MARK IS 0.6 M BELOW THE HIGHWAY.

OU0046

OU0046

STATION RECOVERY (1993)

OU0046

OU0046'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1993 (AJL)

OU0046'STATION IS LOCATED ABOUT 3 KM (1.85 MI) SOUTHEAST OF NEWCASTLE, ALONG
 OU0046'OLD HIGHWAY 85, IN A WEED STRIP BETWEEN THE OLD HIGHWAY AND RAILROAD
 OU0046'TRACKS, AT A PRIVATE GRADE CROSSING, IN THE NORTHWEST 1/4 OF SECTION
 OU0046'34, T 45 N, R 61 W. OWNERSHIP--STATE HIGHWAY DEPARTMENT. TO REACH
 OU0046'FROM THE JUNCTION OF U.S. HIGHWAYS 16 AND 85 ON THE EAST SIDE OF
 OU0046'NEWCASTLE, GO SOUTHWEST ON HIGHWAY 85 FOR 0.43 KM (0.25 MI) TO A PAVED
 OU0046'CROSSROAD AT RAILROAD OVERPASS. TURN LEFT, SOUTHEAST, ON ROAD FOR
 OU0046'1.18 KM (0.75 MI) TO A DIRT LANE RIGHT AND STATION ON THE RIGHT.
 OU0046'STATION MARK IS A DISK ATTACHED TO A PIPE (PIPE AND CAP) THAT PROJECTS
 OU0046'15 CM ABOVE GROUND IN LOW WEEDS. IT IS 16.0 M (52.5 FT) SOUTHWEST OF,
 OU0046'AND 0.5 M (1.6 FT) LOWER THAN THE PAVED ROAD CENTER, 29.4 M (96.5 FT)

OU0046'NORTHEAST OF THE NORTHEAST RAIL OF THE NEAR TRACK, 13.4 M (44.0 FT)
 OU0046'SOUTHEAST OF THE DIRT LANE, 14.4 M (47.2 FT) NORTH OF UTILITY POLE 14
 OU0046'WITH GUY WIRE, AND 0.4 M (1.3 FT) NORTHWEST OF A FIBERGLASS WITNESS
 OU0046'POST. DESCRIBED BY G.R.HEID

OU0046

OU0046

STATION RECOVERY (1995)

OU0046

OU0046'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1995 (GAS)

OU0046'0.5 KM (0.30 MI) SOUTHERLY ALONG U.S. HIGHWAY 85 FROM THE JUNCTION OF
 OU0046'U.S. HIGHWAY 16 IN NEWCASTLE, THENCE 1.2 KM (0.75 MI) SOUTHEASTERLY
 OU0046'ALONG SOUTH SUMMIT AVENUE, 29.6 M (97.1 FT) NORTHEAST OF THE NEAR RAIL
 OU0046'OF THE BURLINGTON NORTHERN RAILROAD, 16.0 M (52.5 FT) SOUTHWEST OF THE
 OU0046'AVENUE CENTER, 13.5 M (44.3 FT) SOUTHEAST OF THE CENTER OF A GRAVELED
 OU0046'ROAD, 0.5 M (1.6 FT) BELOW THE LEVEL OF THE AVENUE, AND 0.4 M (1.3 FT)
 OU0046'NORTHWEST OF A WITNESS POST.

OU0046

OU0046

STATION RECOVERY (1996)

OU0046

OU0046'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1996 (DFC)

OU0046'THE STATION IS LOCATED ABOUT 3.0 KM (1.85 MI) SOUTHEAST OF NEWCASTLE
 OU0046'ON OLD HIGHWAY 85, IN A WEED STRIP BETWEEN THE OLD HIGHWAY AND THE
 OU0046'RAILROAD AND AT A PRIVATE RAILROAD CROSSING. OWNERSHIP--UNKNOWN. TO
 OU0046'REACH THE STATION FROM THE JUNCTION OF U.S. HIGHWAYS 16 AND 85 ON THE
 OU0046'EAST SIDE OF NEWCASTLE, GO SOUTHWEST ON U.S. HIGHWAY 85 FOR 0.43 KM
 OU0046'(0.25 MI) TO THE JUNCTION OF A PAVED ROAD AT A RAILROAD OVERPASS, TURN
 OU0046'LEFT AND GO SOUTHEAST ON THE PAVED ROAD FOR 1.18 KM (0.75 MI) TO A
 OU0046'DIRT ROAD AND THE STATION ON THE RIGHT. THE STATION IS A PUNCH POINT
 OU0046'IN THE CENTER OF A SMALL X STAMPED NEAR THE CENTER OF A STANDARD CGS
 OU0046'METAL PIPE CAP ATTACHED TO A 3-INCH METAL PIPE THAT PROJECTS 0.15 M
 OU0046'(0.49 FT) ABOVE THE GROUND SURFACE. LOCATED 16.0 M (52.5 FT) SOUTH OF
 OU0046'THE PAVED ROAD CENTER, 29.4 M (96.5 FT) NORTHEAST OF THE NEAR RAIL OF
 OU0046'THE RAILROAD, 13.4 M (44.0 FT) SOUTHEAST OF THE CENTER OF THE DIRT
 OU0046'ROAD, 0.5 M (1.6 FT) BELOW THE LEVEL OF THE PAVED ROAD, AND 0.4 M (1.3
 OU0046'FT) NORTHWEST OF A WITNESS POST.

OU0046

OU0046

STATION RECOVERY (1999)

OU0046

OU0046'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1999 (CSM)

OU0046'RECOVERED BY NATIONAL GEODETIC SURVEY 1999. RECOVERED IN GOOD
 OU0046'CONDITION AND AS PREVIOUSLY DESCRIBED.

OU0046

OU0046

STATION RECOVERY (2010)

OU0046

OU0046'RECOVERY NOTE BY GEOCACHING 2010 (MEL)

OU0046'GUARDED BY TWO WOOD AND TWO CARSONITE POSTS.

*** retrieval complete.

Elapsed Time = 00:00:04

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.3

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1      National Geodetic Survey,  Retrieval Date = JULY 24, 2019
OU0067 *****
OU0067 DESIGNATION - V 125
OU0067 PID - OU0067
OU0067 STATE/COUNTY- WY/WESTON
OU0067 COUNTRY - US
OU0067 USGS QUAD - PEDRO (1972)
OU0067
OU0067 *CURRENT SURVEY CONTROL
OU0067
OU0067* NAD 83(1986) POSITION- 43 55 39. (N) 104 21 39. (W) SCALED
OU0067* NAVD 88 ORTHO HEIGHT - 1288.654 (meters) 4227.86 (feet) ADJUSTED
OU0067
OU0067 GEOID HEIGHT - -14.215 (meters) GEOID12B
OU0067 DYNAMIC HEIGHT - 1288.102 (meters) 4226.05 (feet) COMP
OU0067 MODELED GRAVITY - 980,145.5 (mgal) NAVD 88
OU0067
OU0067 VERT ORDER - FIRST CLASS II
OU0067
OU0067.The horizontal coordinates were scaled from a topographic map and have
OU0067.an estimated accuracy of +/- 6 seconds.
OU0067.
OU0067.The orthometric height was determined by differential leveling and
OU0067.adjusted by the NATIONAL GEODETIC SURVEY
OU0067.in June 1991.
OU0067
OU0067.Significant digits in the geoid height do not necessarily reflect accuracy.
OU0067.GEOID12B height accuracy estimate available here.
OU0067
OU0067.The dynamic height is computed by dividing the NAVD 88
OU0067.geopotential number by the normal gravity value computed on the
OU0067.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
OU0067.degrees latitude (g = 980.6199 gals.).
OU0067
OU0067.The modeled gravity was interpolated from observed gravity values.
OU0067
OU0067; North East Units Estimated Accuracy
OU0067;SPC WY E - 381,010. 264,710. MT (+/- 180 meters Scaled)
OU0067
OU0067_U.S. NATIONAL GRID SPATIAL ADDRESS: 13TEJ513640(NAD 83)
OU0067
OU0067 SUPERSEDED SURVEY CONTROL
OU0067
OU0067 NGVD 29 (??/??/92) 1288.020 (m) 4225.78 (f) ADJ UNCH 1 2
OU0067
OU0067.Superseded values are not recommended for survey control.
OU0067
OU0067.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

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OU0067. See file [dsdata.pdf](#) to determine how the superseded data were derived.

OU0067

OU0067_MARKER: DB = BENCH MARK DISK

OU0067_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

OU0067_STAMPING: V 125 1957

OU0067_MARK LOGO: CGS

OU0067_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

OU0067+STABILITY: SURFACE MOTION

OU0067

OU0067	HISTORY	- Date	Condition	Report By
OU0067	HISTORY	- 1957	MONUMENTED	CGS
OU0067	HISTORY	- 1985	GOOD	NGS

OU0067

OU0067 STATION DESCRIPTION

OU0067

OU0067'DESCRIBED BY COAST AND GEODETIC SURVEY 1957

OU0067'4.8 MI SE FROM OSAGE.

OU0067'ABOUT 4.75 MILES SOUTHEAST ALONG THE CHICAGO, BURLINGTON AND

OU0067'QUINCY RAILROAD FROM THE STATION AT OSAGE, 13 1/2 POLES SOUTHEAST

OU0067'OF MILEPOST 531, AT THE CROSSING OF A POWER LINE, 83 FEET

OU0067'SOUTHWEST OF THE SOUTHWEST RAIL, 180 FEET WEST OF THE CENTER OF

OU0067'A PRIVATE ROAD CROSSING, 148 FEET NORTHWEST OF THE CENTER OF A

OU0067'GATE ACROSS THE ROAD, 6 FEET NORTHEAST OF A POWER POLE, 5 1/2

OU0067'FEET NORTHEAST OF A FENCE LINE, 2 FEET SOUTHEAST OF A WHITE

OU0067'WOODEN WITNESS POST, ABOUT LEVEL WITH THE TRACK AND IN THE TOP

OU0067'OF A CONCRETE POST PROJECTING 5 INCHES.

OU0067

OU0067 STATION RECOVERY (1985)

OU0067

OU0067'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1985

OU0067'RECOVERED IN GOOD CONDITION. EXCEPT ADD--16.45 KM (10.3 MI) NORTHWEST

OU0067'ALONG US HIGHWAY 16 FROM THE COUNTY COURTHOUSE AT NEWCASTLE.

*** retrieval complete.

Elapsed Time = 00:00:04

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.4

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1      National Geodetic Survey,   Retrieval Date = OCTOBER  2, 2019
OU0104 *****
OU0104 FBN          -   This is a Federal Base Network Control Station.
OU0104 DESIGNATION -   Y 119
OU0104 PID          -   OU0104
OU0104 STATE/COUNTY-   WY/NIOBRARA
OU0104 COUNTRY     -   US
OU0104 USGS QUAD   -   MULE CREEK SE (1978)
OU0104
OU0104                      *CURRENT SURVEY CONTROL
OU0104
OU0104* NAD 83(2011) POSITION- 43 18 23.17493(N) 104 04 26.12949(W) ADJUSTED
OU0104* NAD 83(2011) ELLIP HT- 1187.770 (meters) (06/27/12) ADJUSTED
OU0104* NAD 83(2011) EPOCH   - 2010.00
OU0104* NAVD 88 ORTHO HEIGHT - 1202.689 (meters) 3945.82 (feet) ADJUSTED
OU0104
OU0104 GEOID HEIGHT   -      -14.926 (meters) GEOID18
OU0104 NAD 83(2011) X - -1,130,643.752 (meters) COMP
OU0104 NAD 83(2011) Y - -4,509,967.246 (meters) COMP
OU0104 NAD 83(2011) Z -  4,353,152.370 (meters) COMP
OU0104 LAPLACE CORR   -      -0.64 (seconds) DEFLEC18
OU0104 DYNAMIC HEIGHT -      1202.150 (meters) 3944.05 (feet) COMP
OU0104 MODELED GRAVITY -      980,129.5 (mgal) NAVD 88
OU0104
OU0104 VERT ORDER     -   SECOND CLASS 0
OU0104
OU0104 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
OU0104 Standards:
OU0104          FGDC (95% conf, cm)          Standard deviation (cm)          CorrNE
OU0104          Horiz Ellip                   SD_N   SD_E   SD_h          (unitless)
OU0104 -----
OU0104 NETWORK      0.33   0.84                   0.15   0.12   0.43          -0.06335257
OU0104 -----
OU0104 Click here for local accuracies and other accuracy information.
OU0104
OU0104
OU0104.The horizontal coordinates were established by GPS observations
OU0104.and adjusted by the National Geodetic Survey in June 2012.
OU0104
OU0104.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
OU0104.been affixed to the stable North American tectonic plate. See
OU0104.NA2011 for more information.
OU0104
OU0104.The horizontal coordinates are valid at the epoch date displayed above
OU0104.which is a decimal equivalence of Year/Month/Day.
OU0104
OU0104.The orthometric height was determined by differential leveling and

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OU0104_PROJECTION: FLUSH
 OU0104_MAGNETIC: N = NO MAGNETIC MATERIAL
 OU0104_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
 OU0104+STABILITY: SURFACE MOTION
 OU0104_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
 OU0104+SATELLITE: SATELLITE OBSERVATIONS - June 18, 2015

OU0104

OU0104	HISTORY	- Date	Condition	Report By
OU0104	HISTORY	- 1957	MONUMENTED	CGS
OU0104	HISTORY	- 19931015	GOOD	NGS
OU0104	HISTORY	- 19950901	GOOD	NGS
OU0104	HISTORY	- 19960822	GOOD	NGS
OU0104	HISTORY	- 19990804	GOOD	NGS
OU0104	HISTORY	- 20000510	GOOD	NGS
OU0104	HISTORY	- 20020514	GOOD	SDDT
OU0104	HISTORY	- 20150618	GOOD	WYDT

OU0104

OU0104 STATION DESCRIPTION

OU0104

OU0104'DESCRIBED BY COAST AND GEODETIC SURVEY 1957

OU0104'13.6 MI W FROM EDMONT.

OU0104'ABOUT 13.6 MILES WEST ALONG U.S. HIGHWAY 18 FROM THE JUNCTION
 OU0104'OF STATE HIGHWAY 52 AT EDMONT, 1.05 MILES WEST OF THE SOUTH
 OU0104'DAKOTA - WYOMING STATE LINE, 0.1 MILE WEST OF THE JUNCTION OF
 OU0104'THE PRESENT ROUTE OF HIGHWAY 18 AND THE ABANDONED ROUTE, 123 FEET
 OU0104'SOUTH OF THE CENTER LINE OF THE NEW HIGHWAY, 114 FEET SOUTHEAST
 OU0104'OF THE SOUTH END OF A 36-INCH PIPE CULVERT UNDER THE HIGHWAY, 56
 OU0104'FEET NORTH OF THE CENTER LINE OF THE OLD HIGHWAY GRADE, 63 FEET
 OU0104'EAST OF A T FENCE CORNER, 2 FEET NORTH OF A FENCE LINE, 2 FEET WEST
 OU0104'OF A CONCRETE WITNESS POST, ABOUT 2 FEET BELOW THE LEVEL OF THE
 OU0104'HIGHWAY AND IN THE TOP OF A CONCRETE POST PROJECTING 7 INCHES.

OU0104

OU0104 STATION RECOVERY (1993)

OU0104

OU0104'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1993 (AJL)

OU0104'STATION IS LOCATED ABOUT 64 KM (39.75 MI) SOUTH OF NEWCASTLE, 64 KM
 OU0104'(39.75 MI) NORTH-NORTHEAST OF LUSK, 15 KM (9.30 MI) SOUTHEAST OF MULE
 OU0104'CREEK JUNCTION, 1.6 KM (1.00 MI) WEST OF THE WYOMING-SOUTH DAKOTA
 OU0104'STATE LINE, ALONG US HIGHWAY 18, ON THE RIGHT-OF-WAY, AT MILE 9.4, IN
 OU0104'THE NORTHEAST 1/4 OF SECTION 4, T 38 N, R 60 W. OWNERSHIP--WYOMING
 OU0104'DEPARTMENT OF TRANSPORTATION. TO REACH FROM THE JUNCTION OF US
 OU0104'HIGHWAYS 18 AND 85 AT MULE CREEK JUNCTION, GO SOUTHEAST ON HIGHWAY 18
 OU0104'FOR 15.01 KM (9.30 MI) TO THE STATION ON THE RIGHT, JUST BEFORE OLD
 OU0104'ROAD BED ON RIGHT JOINS THE SOUTH RIGHT-OF-WAY FENCE. THIS POINT IS
 OU0104'1.63 KM (1.00 MI) BEFORE REACHING THE STATE LINE. STATION MARK IS SET
 OU0104'IN THE TOP OF A 30-CM ROUND CONCRETE POST PROJECTING 2 CM ABOVE
 OU0104'GROUND. IT IS 37.3 M (122.4 FT) SOUTHWEST OF, AND 0.5 M (1.6 FT)
 OU0104'LOWER THAN THE HIGHWAY CENTER, 0.9 M (3.0 FT) NORTHEAST OF A
 OU0104'FIBERGLASS WITNESS POST IN THE RIGHT-OF-WAY FENCE, 78 M (255.9 FT)
 OU0104'NORTHWEST OF THE JUNCTION OF THE FENCE AND THE OLD ROAD BED, 0.7 M
 OU0104'(2.3 FT) NORTHWEST OF A SHORT WOOD WITNESS POST, 19.1 M (62.7 FT)
 OU0104'SOUTHEAST OF A T-FENCE CORNER, AND 31.7 M (104.0 FT) SOUTH OF THE TOP
 OU0104'CENTER OF A METAL DRAIN PIPE UNDER THE HIGHWAY. DESCRIBED BY G.R.HEID

OU0104

OU0104 STATION RECOVERY (1995)

OU0104

OU0104'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1995 (CFS)
 OU0104'STATION IS LOCATED ABOUT 64 KM (39.75 MI) SOUTH OF NEWCASTLE, 64 KM
 OU0104'(39.75 MI) NORTH-NORTHEAST OF LUSK, 15 KM (9.30 MI) SOUTHEAST OF MULE
 OU0104'CREEK JUNCTION, 1.6 KM (1.00 MI) WEST OF THE WYOMING-SOUTH DAKOTA
 OU0104'STATE LINE, ALONG U.S. HIGHWAY 18, ON THE RIGHT-OF-WAY, AT MILE 9.4,
 OU0104'IN THE NORTHEAST 1/4 OF SECTION 4, T 38 N, R 60 W. OWNERSHIP--WYOMING
 OU0104'DEPARTMENT OF TRANSPORTATION. TO REACH FROM THE JUNCTION OF U.S.
 OU0104'HIGHWAYS 18 AND 85 AT MULE CREEK JUNCTION, GO SOUTHEAST ON HIGHWAY 18
 OU0104'FOR 15.01 KM (9.30 MI) TO THE STATION ON THE RIGHT, JUST BEFORE OLD
 OU0104'ROAD BED ON RIGHT JOINS THE SOUTH RIGHT-OF-WAY FENCE. THIS POINT IS
 OU0104'1.63 KM (1.00 MI) BEFORE REACHING THE STATE LINE. STATION MARK IS SET
 OU0104'IN THE TOP OF A 30-CM ROUND CONCRETE POST PROJECTING 2 CM ABOVE
 OU0104'GROUND. IT IS 37.3 M (122.4 FT) SOUTHWEST OF, AND 0.5 M (1.6 FT)
 OU0104'LOWER THAN THE HIGHWAY CENTER, 0.9 M (3.0 FT) NORTHEAST OF A
 OU0104'FIBERGLASS WITNESS POST IN THE RIGHT-OF-WAY FENCE, 78 M (255.9 FT)
 OU0104'NORTHWEST OF THE JUNCTION OF THE FENCE AND THE OLD ROAD BED, 0.7 M
 OU0104'(2.3 FT) NORTHWEST OF A SHORT WOOD WITNESS POST, 19.1 M (62.7 FT)
 OU0104'SOUTHEAST OF A T-FENCE CORNER AND 31.7 M (104.0 FT) SOUTH OF THE TOP
 OU0104'CENTER OF A METAL DRAIN PIPE UNDER THE HIGHWAY.

OU0104

STATION RECOVERY (1996)

OU0104

OU0104'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1996 (DFC)
 OU0104'THE STATION IS LOCATED 40.0 MI (64.4 KM) SOUTH OF NEWCASTLE, 13.3 MI
 OU0104'(21.4 KM) WEST OF EDMONT, SOUTH DAKOTA, AND 1.0 MI (1.6 KM) WEST OF
 OU0104'THE SOUTH DAKOTA/WYOMING STATE LINE, ON U.S. HIGHWAY 18.
 OU0104'OWNERSHIP--THE STATE OF WYOMING. TO REACH THE STATION FROM THE
 OU0104'JUNCTION OF U.S. HIGHWAYS 18 AND 85 AT MULE CREEK JUNCTION, GO WEST ON
 OU0104'U.S. HIGHWAY 18 FOR 9.4 MI (15.1 KM) TO THE STATION ON THE RIGHT. THE
 OU0104'STATION IS LOCATED 37.3 M (122.4 FT) SOUTH OF THE HIGHWAY CENTERLINE,
 OU0104'31.3 M (102.7 FT) SOUTHEAST OF THE CENTER OF THE SOUTH END OF A
 OU0104'CULVERT UNDER THE HIGHWAY, 19.1 M (62.7 FT) EAST OF A T-FENCE CORNER,
 OU0104'0.8 M (2.6 FT) NORTH OF A WITNESS POST AND FENCE, 0.6 M (2.0 FT)
 OU0104'EAST-NORTHEAST OF A WITNESS POST, 0.5 M (1.6 FT) BELOW THE LEVEL OF
 OU0104'THE HIGHWAY, NEAR THE CENTER OF 3 METAL GUARD POSTS, AND THE DISK IS
 OU0104'SET ON TOP OF A 0.3 M (1.0 FT) ROUND CONCRETE POST THAT PROJECTS 0.05
 OU0104'M (0.16 FT) ABOVE THE GROUND SURFACE.

OU0104

STATION RECOVERY (1999)

OU0104

OU0104'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1999 (CSM)
 OU0104'RECOVERED BY NATIONAL GEODETIC SURVEY 1999. NOTE---THE 1996 RECOVERY
 OU0104'DESCRIPTION STATES TO REACH FROM THE JUNCTION OF US HIGHWAYS 18 AND 85
 OU0104'AT MULE CREEK JUNCTION GO WEST ON HIGHWAY 18. THIS IS INCORRECT, IT
 OU0104'SHOULD STATE GO EAST ON HIGHWAY 18 FOR 15.04 KM (9.35 MI) TO THE
 OU0104'STATION ON THE RIGHT. THE REST OF THE DESCRIPTION IS ADEQUATE. ADD
 OU0104'0.56 KM (0.35 MI) EAST OF HIGHWAY 18 MILEPOST 9.

OU0104

STATION RECOVERY (2000)

OU0104

OU0104'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 2000 (JAO)
 OU0104'RECOVERED AS DESCRIBED.

OU0104

STATION RECOVERY (2002)

OU0104

OU0104
OU0104'RECOVERY NOTE BY SD DEPT OF TRANSP 2002 (RAH)
OU0104'RECOVERED AS DESCRIBED
OU0104'
OU0104
OU0104 STATION RECOVERY (2015)
OU0104
OU0104'RECOVERY NOTE BY WYOMING DEPARTMENT OF TRANSPORTATION 2015 (KFB)
OU0104'RECOVERED IN GOOD CONDITION.

*** retrieval complete.
Elapsed Time = 00:00:01

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.4

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1      National Geodetic Survey,   Retrieval Date = SEPTEMBER 27, 2019
OV0060 *****
OV0060 CBN          -   This is a Cooperative Base Network Control Station.
OV0060 DESIGNATION -   W 39
OV0060 PID          -   OV0060
OV0060 STATE/COUNTY-   WY/JOHNSON
OV0060 COUNTRY      -   US
OV0060 USGS QUAD    -   HIBBARD DRAW (1981)
OV0060
OV0060                      *CURRENT SURVEY CONTROL
OV0060
OV0060* NAD 83(2011) POSITION- 43 52 21.38440(N) 106 38 26.84935(W) ADJUSTED
OV0060* NAD 83(2011) ELLIP HT- 1539.390 (meters) (06/27/12) ADJUSTED
OV0060* NAD 83(2011) EPOCH   - 2010.00
OV0060* NAVD 88 ORTHO HEIGHT - 1552.328 (meters) 5092.93 (feet) ADJUSTED
OV0060
OV0060 GEOID HEIGHT   -   -12.823 (meters) GEOID18
OV0060 NAD 83(2011) X - -1,319,139.532 (meters) COMP
OV0060 NAD 83(2011) Y - -4,413,486.247 (meters) COMP
OV0060 NAD 83(2011) Z -  4,398,965.472 (meters) COMP
OV0060 LAPLACE CORR   -   -16.65 (seconds) DEFLEC18
OV0060 DYNAMIC HEIGHT -   1551.511 (meters) 5090.25 (feet) COMP
OV0060 MODELED GRAVITY -   980,037.5 (mgal) NAVD 88
OV0060
OV0060 VERT ORDER      -   SECOND CLASS 0
OV0060
OV0060 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
OV0060 Standards:
OV0060          FGDC (95% conf, cm)          Standard deviation (cm)          CorrNE
OV0060          Horiz Ellip                   SD_N   SD_E   SD_h          (unitless)
OV0060 -----
OV0060 NETWORK      1.38   3.88                   0.64   0.45   1.98          -0.03280445
OV0060 -----
OV0060 Click here for local accuracies and other accuracy information.
OV0060
OV0060
OV0060.The horizontal coordinates were established by GPS observations
OV0060.and adjusted by the National Geodetic Survey in June 2012.
OV0060
OV0060.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
OV0060.been affixed to the stable North American tectonic plate. See
OV0060.NA2011 for more information.
OV0060
OV0060.The horizontal coordinates are valid at the epoch date displayed above
OV0060.which is a decimal equivalence of Year/Month/Day.
OV0060
OV0060.The orthometric height was determined by differential leveling and

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OV0060_MAGNETIC: N = NO MAGNETIC MATERIAL
 OV0060_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
 OV0060+STABILITY: SURFACE MOTION
 OV0060_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
 OV0060+SATELLITE: SATELLITE OBSERVATIONS - May 14, 2010

OV0060	HISTORY	- Date	Condition	Report By
OV0060	HISTORY	- 1934	MONUMENTED	CGS
OV0060	HISTORY	- 1946	GOOD	CGS
OV0060	HISTORY	- 19930629	GOOD	NGS
OV0060	HISTORY	- 20100514	GOOD	GEOCAC

OV0060
 OV0060 STATION DESCRIPTION
 OV0060

OV0060'DESCRIBED BY COAST AND GEODETIC SURVEY 1946
 OV0060'12 MI N FROM KAYCEE.
 OV0060'12 MILES NORTH ALONG U.S. HIGHWAY 87 FROM KAYCEE, JOHNSON COUNTY, 6.8
 OV0060'MILES SOUTH OF SOUTH FORK CRAZY WOMAN CREEK, 0.3 MILE SOUTH OF THE
 OV0060'ENTRANCE TO T.M. CORPS RANCH, 51 FEET SOUTHWEST OF THE CENTER OF THE
 OV0060'INTERSECTION WITH A ROAD LEADING EAST, 48 FEET WEST OF THE CENTERLINE
 OV0060'OF THE HIGHWAY, AND 1.6 FEET EAST OF A FENCE. A STANDARD DISK,
 OV0060'STAMPED W 39 1934 AND SET IN THE TOP OF A CONCRETE POST.

OV0060
 OV0060 STATION RECOVERY (1993)
 OV0060

OV0060'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1993 (GRH)
 OV0060'STATION IS LOCATED ABOUT 55 KM (34.15 MI) SOUTH OF BUFFALO, 16 KM
 OV0060'(9.95 MI) NORTH OF KAYCEE, 0.9 KM (0.55 MI) WEST OF INTERSTATE HIGHWAY
 OV0060'25, ON THE WEST SIDE OF A T-JUNCTION FORMED BY OLD HIGHWAY 87 (NOW
 OV0060'STATE HIGHWAY 96) AND RENO ROAD, ON HIGHWAY RIGHT-OF-WAY, IN THE
 OV0060'NORTHWEST 1/4 OF SECTION 18, T 45 N, R 81 W. OWNERSHIP--STATE HIGHWAY
 OV0060'DEPARTMENT. TO REACH FROM THE UNDERPASS AT THE JUNCTION OF INTERSTATE
 OV0060'HIGHWAY 25 AND RENO ROAD (EXIT 265), GO WEST ON RENO ROAD (PAVED) FOR
 OV0060'0.88 KM (0.55 MI) TO A T-ROAD AND STATION ACROSS OLD HIGHWAY. STATION
 OV0060'MARK IS SET IN THE TOP OF A 20-CM SQUARE CONCRETE POST PROJECTING 15
 OV0060'CM ABOVE GROUND IN THICK SAGEBRUSH. IT IS AT THE TOP OF A SLOPED
 OV0060'HIGHWAY DITCH, 14.5 M (47.6 FT) WEST OF, AND 1 M (3.3 FT) LOWER THAN
 OV0060'THE OLD HIGHWAY, 0.4 M (1.3 FT) EAST OF A FIBERGLASS WITNESS POST IN
 OV0060'THE FENCELINE, AND 8.8 M (28.9 FT) SOUTH OF THE EXTENDED CENTER OF
 OV0060'RENO ROAD. DESCRIBED BY G.R.HEID

OV0060
 OV0060 STATION RECOVERY (2010)
 OV0060

OV0060'RECOVERY NOTE BY GEOCACHING 2010 (HMT)
 OV0060'OLD HIGHWAY 87 IS NOW STATE ROUTE 196.

*** retrieval complete.
 Elapsed Time = 00:00:00

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.3

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1      National Geodetic Survey,   Retrieval Date = AUGUST 20, 2019
OV0150 *****
OV0150 DESIGNATION -   A 27
OV0150 PID          -   OV0150
OV0150 STATE/COUNTY- WY/FREMONT
OV0150 COUNTRY      -   US
OV0150 USGS QUAD    -   LYSITE (1952)
OV0150
OV0150                      *CURRENT SURVEY CONTROL
OV0150
OV0150* NAD 83(1986) POSITION- 43 17 25.      (N) 107 43 46.      (W) SCALED
OV0150* NAVD 88 ORTHO HEIGHT - 1596.024 (meters)      5236.29 (feet) ADJUSTED
OV0150
OV0150 GEOID HEIGHT      -      -13.869 (meters)                      GEOID12B
OV0150 DYNAMIC HEIGHT   -      1594.992 (meters)      5232.90 (feet) COMP
OV0150 MODELED GRAVITY   -      979,917.8 (mgal)                      NAVD 88
OV0150
OV0150 VERT ORDER       -   FIRST      CLASS II
OV0150
OV0150.The horizontal coordinates were scaled from a topographic map and have
OV0150.an estimated accuracy of +/- 6 seconds.
OV0150.
OV0150.The orthometric height was determined by differential leveling and
OV0150.adjusted by the NATIONAL GEODETIC SURVEY
OV0150.in June 1991.
OV0150
OV0150.Significant digits in the geoid height do not necessarily reflect accuracy.
OV0150.GEOID12B height accuracy estimate available here.
OV0150
OV0150.The dynamic height is computed by dividing the NAVD 88
OV0150.geopotential number by the normal gravity value computed on the
OV0150.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
OV0150.degrees latitude (g = 980.6199 gals.).
OV0150
OV0150.The modeled gravity was interpolated from observed gravity values.
OV0150
OV0150;                      North      East      Units  Estimated Accuracy
OV0150;SPC WYWC      -   310,410.      682,820.      MT  (+/- 180 meters Scaled)
OV0150
OV0150_U.S. NATIONAL GRID SPATIAL ADDRESS: 13TBH785966(NAD 83)
OV0150
OV0150                      SUPERSEDED SURVEY CONTROL
OV0150
OV0150 NGVD 29 (??/??/92) 1595.013 (m)      5232.97 (f) ADJ UNCH      1 2
OV0150
OV0150.Superseded values are not recommended for survey control.
OV0150
OV0150.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

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OV0150. See file [dsdata.pdf](#) to determine how the superseded data were derived.

OV0150

OV0150_MARKER: DB = BENCH MARK DISK

OV0150_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

OV0150_STAMPING: A 27 1934

OV0150_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

OV0150+STABILITY: SURFACE MOTION

OV0150

OV0150	HISTORY	- Date	Condition	Report By
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OV0150	HISTORY	- 1934	MONUMENTED	CGS
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OV0150	HISTORY	- 1966	GOOD	CGS
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OV0150

OV0150 STATION DESCRIPTION

OV0150

OV0150'DESCRIBED BY COAST AND GEODETIC SURVEY 1966

OV0150'2.6 MI NW FROM LYSITE.

OV0150'2.6 MILES NORTHWEST ALONG CHICAGO, BURLINGTON AND QUINCY RAILROAD FROM

OV0150'THE STATION AT LYSITE, 4 1/2 RAILS WEST OF THE WEST END OF BRIDGE

OV0150'286.01, 95.4 FEET NORTH OF THE NORTH RAIL, 75.3 FEET WEST OF THE

OV0150'SOUTHWEST CORNER OF A SMALL WHITE BUILDING, 78 FEET NORTHEAST OF A

OV0150'TELEPHONE POLE, 33 FEET SOUTH OF THE CENTER LINE OF A COUNTY ROAD, 2.9

OV0150'FEET SOUTH OF A FENCE, 1.9 FEET EAST OF A WITNESS POST, ABOUT LEVEL

OV0150'WITH THE TRACK, AND SET IN THE TOP OF A CONCRETE POST PROJECTING 0.8

OV0150'FOOT ABOVE THE GROUND.

*** retrieval complete.

Elapsed Time = 00:00:04

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.3

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1      National Geodetic Survey,   Retrieval Date = AUGUST 20, 2019
OV0225 *****
OV0225 CBN          -   This is a Cooperative Base Network Control Station.
OV0225 DESIGNATION -   N 331
OV0225 PID          -   OV0225
OV0225 STATE/COUNTY-   WY/FREMONT
OV0225 COUNTRY      -   US
OV0225 USGS QUAD    -   MONETA (1952)
OV0225
OV0225                      *CURRENT SURVEY CONTROL
OV0225
OV0225* NAD 83(2011) POSITION- 43 08 59.03006(N) 107 40 56.64518(W) ADJUSTED
OV0225* NAD 83(2011) ELLIP HT- 1667.492 (meters) (06/27/12) ADJUSTED
OV0225* NAD 83(2011) EPOCH   - 2010.00
OV0225* NAVD 88 ORTHO HEIGHT - 1681.635 (meters) 5517.16 (feet) ADJUSTED
OV0225
OV0225 GEOID HEIGHT   -   -14.111 (meters) GEOID12B
OV0225 NAD 83(2011) X - -1,415,980.035 (meters) COMP
OV0225 NAD 83(2011) Y - -4,441,561.458 (meters) COMP
OV0225 NAD 83(2011) Z - 4,340,792.814 (meters) COMP
OV0225 LAPLACE CORR   -   3.49 (seconds) DEFLEC12B
OV0225 DYNAMIC HEIGHT -   1680.514 (meters) 5513.49 (feet) COMP
OV0225 MODELED GRAVITY -   979,894.7 (mgal) NAVD 88
OV0225
OV0225 VERT ORDER     -   FIRST CLASS II
OV0225
OV0225 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
OV0225 Standards:
OV0225          FGDC (95% conf, cm)      Standard deviation (cm)      CorrNE
OV0225          Horiz Ellip              SD_N   SD_E   SD_h      (unitless)
OV0225 -----
OV0225 NETWORK      1.78   4.84              0.83   0.57   2.47      -0.05308320
OV0225 -----
OV0225 Click here for local accuracies and other accuracy information.
OV0225
OV0225
OV0225.The horizontal coordinates were established by GPS observations
OV0225.and adjusted by the National Geodetic Survey in June 2012.
OV0225
OV0225.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
OV0225.been affixed to the stable North American tectonic plate. See
OV0225.NA2011 for more information.
OV0225
OV0225.The horizontal coordinates are valid at the epoch date displayed above
OV0225.which is a decimal equivalence of Year/Month/Day.
OV0225
OV0225.The orthometric height was determined by differential leveling and

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OV0225.adjusted by the NATIONAL GEODETIC SURVEY

OV0225.in June 1991.

OV0225

OV0225.Significant digits in the geoid height do not necessarily reflect accuracy.

OV0225.GEOID12B height accuracy estimate available [here](#).

OV0225

OV0225.The X, Y, and Z were computed from the position and the ellipsoidal ht.

OV0225

OV0225.The Laplace correction was computed from DEFLEC12B derived deflections.

OV0225

OV0225.The ellipsoidal height was determined by GPS observations

OV0225.and is referenced to NAD 83.

OV0225

OV0225.The dynamic height is computed by dividing the NAVD 88

OV0225.geopotential number by the normal gravity value computed on the

OV0225.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

OV0225.degrees latitude ($g = 980.6199$ gals.).

OV0225

OV0225.The modeled gravity was interpolated from observed gravity values.

OV0225

OV0225. The following values were computed from the NAD 83(2011) position.

OV0225

OV0225;		North	East	Units	Scale	Factor	Converg.
OV0225;SPC WYWC	-	294,840.260	686,836.247	MT	1.00003023		+0 43 48.7
OV0225;SPC WYWC	-	967,321.75	2,253,395.25	sFT	1.00003023		+0 43 48.7
OV0225;UTM 13	-	4,780,935.450	281,888.255	MT	1.00018526		-1 50 06.8

OV0225

OV0225! Elev Factor x Scale Factor = Combined Factor

OV0225!SPC WYWC - 0.99973857 x 1.00003023 = 0.99976879

OV0225!UTM 13 - 0.99973857 x 1.00018526 = 0.99992378

OV0225

OV0225_U.S. NATIONAL GRID SPATIAL ADDRESS: 13TBH8188880935(NAD 83)

OV0225

OV0225 SUPERSEDED SURVEY CONTROL

OV0225

OV0225	NAD 83(2007)-	43 08 59.02981(N)	107 40 56.64619(W)	AD(2002.00)	0
OV0225	ELLIP H (02/10/07)	1667.520 (m)		GP(2002.00)	
OV0225	ELLIP H (09/07/01)	1667.548 (m)		GP()	4 1
OV0225	NAD 83(1993)-	43 08 59.02897(N)	107 40 56.64546(W)	AD()	B
OV0225	ELLIP H (10/19/94)	1667.592 (m)		GP()	4 1
OV0225	NAVD 88 (10/19/94)	1681.4 (m)	GEOID93 model used	GPS OBS	
OV0225	NGVD 29 (06/08/92)	1680.619 (m)	5513.83 (f)	ADJUSTED	1 2

OV0225

OV0225.Superseded values are not recommended for survey control.

OV0225

OV0225.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

OV0225.See file [dsdata.pdf](#) to determine how the superseded data were derived.

OV0225

OV0225_MARKER: I = METAL ROD

OV0225_SETTING: 59 = STAINLESS STEEL ROD IN SLEEVE (10 FT.+)

OV0225_STAMPING: N 331 1982

OV0225_MARK LOGO: NGS

OV0225_PROJECTION: FLUSH

OV0225_MAGNETIC: I = MARKER IS A STEEL ROD

OV0225_STABILITY: A = MOST RELIABLE AND EXPECTED TO HOLD

OV0225+STABILITY: POSITION/ELEVATION WELL

OV0225_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

OV0225+SATELLITE: SATELLITE OBSERVATIONS - June 23, 2016

OV0225_ROD/PIPE-DEPTH: 2.4 meters

OV0225

OV0225	HISTORY	- Date	Condition	Report By
OV0225	HISTORY	- 1982	MONUMENTED	NGS
OV0225	HISTORY	- 19930717	GOOD	NGS
OV0225	HISTORY	- 20080920	GOOD	GEOCAC
OV0225	HISTORY	- 20160623	GOOD	INDIV

OV0225

OV0225 STATION DESCRIPTION

OV0225

OV0225'DESCRIBED BY NATIONAL GEODETIC SURVEY 1982

OV0225'37.1 KM (23.05 MI) EAST FROM SHOSHONI.

OV0225'37.1 KM (23.05 MI) EASTERLY ALONG U. S. HIGHWAY 20 FROM ITS JUNCTION

OV0225'WITH U. S. HIGHWAY 26 IN SHOSHONI, 0.3 KM (0.2 MI) EAST OF MILEPOST

OV0225'77, 36.0 METERS (118.1 FT) NORTHEAST OF THE CENTERLINE OF THE HIGHWAY

OV0225'AND 14.9 METERS (48.9 FT) NORTHWEST OF THE CENTER OF A DIRT ROAD

OV0225'LEADING NORTHEAST. NOTE=REFUSAL WAS REACHED AT 8.0 FT. ACCESS TO THE

OV0225'DATUM POINT IS THROUGH A 5-INCH LOGO CAP.

OV0225'THE MARK IS 0.3 METERS SW FROM WITNESS POST AND FENCE

OV0225'THE MARK IS ABOVE LEVEL WITH THE HIGHWAY.

OV0225

OV0225 STATION RECOVERY (1993)

OV0225

OV0225'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1993 (GRH)

OV0225'NOTE--PUNCH HOLE TOP CENTER NEEDED ON ROD FOR GPS OBSERVATIONS.

OV0225'STATION IS LOCATED 3.9 KM (2.40 MI) EAST OF MONETA, ON THE

OV0225'RIGHT-OF-WAY, AT MILE 76.8, AT A DIRT ROAD LEADING NORTHEAST TO THE

OV0225'BROWN-FEDERAL NO 1 OIL SITE, JUST WEST OF A POWERLINE CROSSING, IN

OV0225'NORTH CENTRAL SECTION 30, T 37 N, R 90 W. OWNERSHIP--STATE HIGHWAY

OV0225'DEPARTMENT. TO REACH FROM THE JUNCTION OF U.S. HIGHWAYS 20, 26 AND THE

OV0225'LYSITE-MONETA ROAD AT MONETA, GO EAST ON HIGHWAYS 20 AND 26 FOR 2.04

OV0225'KM (1.25 MI) TO A FENCED METAL BUILDING ON THE LEFT. CONTINUE AHEAD

OV0225'FOR 1.88 KM (1.15 MI) TO A DIRT ROAD LEFT AND STATION ON THE LEFT.

OV0225'STATION MARK IS A PUNCH HOLE TOP CENTER ON A STEEL ROD ENCASED IN A

OV0225'PVC PIPE WITH LOGO CAP SET IN A CONCRETE POST FLUSH WITH THE GROUND.

OV0225'IT IS 36.0 M (118.1 FT) NORTHEAST OF, AND 0.5 M (1.6 FT) LOWER THAN

OV0225'THE HIGHWAY CENTER, 0.3 M (1.0 FT) SOUTHWEST OF A FIBERGLASS WITNESS

OV0225'POST IN THE RIGHT-OF-WAY FENCE, 13.5 M (44.3 FT) NORTHWEST OF THE ROAD

OV0225'CENTER, AND 11.5 M (37.7 FT) NORTHWEST OF THE WEST CORNER OF A CATTLE

OV0225'GUARD. DESCRIBED BY G.R.HEID

OV0225

OV0225 STATION RECOVERY (2008)

OV0225

OV0225'RECOVERY NOTE BY GEOCACHING 2008 (WD)

OV0225'RECOVERED IN GOOD CONDITION.

OV0225

OV0225 STATION RECOVERY (2016)

OV0225

OV0225'RECOVERY NOTE BY INDIVIDUAL CONTRIBUTORS 2016 (TAJ)

OV0225'RECOVERED AS DESCRIBED

*** retrieval complete.
Elapsed Time = 00:00:04

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.4

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1      National Geodetic Survey,   Retrieval Date = OCTOBER  2,  2019
OW0037 *****
OW0037 DESIGNATION - ROUTE 120 STA 636+00
OW0037 PID          - OW0037
OW0037 STATE/COUNTY- WY/HOT SPRINGS
OW0037 COUNTRY     - US
OW0037 USGS QUAD   - THOMPSON RESERVOIRS (1965)
OW0037
OW0037                      *CURRENT SURVEY CONTROL
OW0037
OW0037* NAD 83(1986) POSITION- 43 42 08.      (N) 108 24 48.      (W) SCALED
OW0037* NAVD 88 ORTHO HEIGHT - 1484.384 (meters)      4870.02 (feet) ADJUSTED
OW0037
OW0037 GEOID HEIGHT   -      -12.687 (meters)                      GEOID18
OW0037 DYNAMIC HEIGHT -      1483.574 (meters)      4867.36 (feet) COMP
OW0037 MODELED GRAVITY -      980,022.3 (mgal)                      NAVD 88
OW0037
OW0037 VERT ORDER    - SECOND CLASS 0
OW0037
OW0037.The horizontal coordinates were scaled from a map and have
OW0037.an estimated accuracy of +/- 6 seconds.
OW0037.
OW0037.The orthometric height was determined by differential leveling and
OW0037.adjusted by the NATIONAL GEODETIC SURVEY
OW0037.in June 1991.
OW0037
OW0037.Significant digits in the geoid height do not necessarily reflect accuracy.
OW0037.GEOID18 height accuracy estimate available here.
OW0037
OW0037.Click here to see if photographs exist for this station.
OW0037
OW0037.The dynamic height is computed by dividing the NAVD 88
OW0037.geopotential number by the normal gravity value computed on the
OW0037.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
OW0037.degrees latitude (g = 980.6199 gals.).
OW0037
OW0037.The modeled gravity was interpolated from observed gravity values.
OW0037
OW0037;                      North      East      Units  Estimated Accuracy
OW0037;SPC WYWC      -      355,720.      627,140.      MT  (+/- 180 meters Scaled)
OW0037
OW0037_U.S. NATIONAL GRID SPATIAL ADDRESS: 12TYP084420(NAD 83)
OW0037
OW0037                      SUPERSEDED SURVEY CONTROL
OW0037
OW0037 NGVD 29 (??/??/92) 1483.507 (m)      4867.14 (f) ADJ UNCH  2 0
OW0037

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OW0037.Superseded values are not recommended for survey control.

OW0037

OW0037.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

OW0037.See file [dsdata.pdf](#) to determine how the superseded data were derived.

OW0037

OW0037_MARKER: DD = SURVEY DISK

OW0037_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

OW0037_STAMPING: ELEV. 4866.25 F.A.P. 213 A-R STA. 636+00

OW0037_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

OW0037+STABILITY: SURFACE MOTION

OW0037

OW0037	HISTORY	- Date	Condition	Report By
OW0037	HISTORY	- UNK	MONUMENTED	WYHD
OW0037	HISTORY	- 1937	GOOD	CGS

OW0037	HISTORY	- UNK	MONUMENTED	WYHD
OW0037	HISTORY	- 1937	GOOD	CGS

OW0037	HISTORY	- 1937	GOOD	CGS
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OW0037

OW0037 STATION DESCRIPTION

OW0037

OW0037'DESCRIBED BY COAST AND GEODETIC SURVEY 1937

OW0037'11.9 MI W FROM THERMOPOLIS.

OW0037'ABOUT 11.9 MILES WEST ALONG STATE HIGHWAY 120 FROM THE POST OFFICE AT

OW0037'THERMOPOLIS, HOT SPRINGS COUNTY, AT THE JUNCTION OF A ROAD LEADING

OW0037'NORTH, 86 FEET EAST OF THE CENTER LINE OF THE ROAD, 51 FEET NORTH OF

OW0037'THE CENTER LINE OF THE HIGHWAY, 62 FEET EAST OF A FENCE CORNER, AND AT

OW0037'THE RIGHT-OF-WAY FENCE. A WYOMING STATE HIGHWAY DEPARTMENT STANDARD

OW0037'DISK, STAMPED ELEV. 4866.25 F.A.P. 213 A-R STA. 636+00 AND SET IN THE

OW0037'TOP OF A CONCRETE POST.

*** retrieval complete.

Elapsed Time = 00:00:00

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.4

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1      National Geodetic Survey,  Retrieval Date = OCTOBER  2,  2019
OW0094 *****
OW0094 DESIGNATION -  BM
OW0094 PID          -  OW0094
OW0094 STATE/COUNTY-  WY/FREMONT
OW0094 COUNTRY      -  US
OW0094 USGS QUAD    -  MORTON (1978)
OW0094
OW0094                      *CURRENT SURVEY CONTROL
OW0094
OW0094* NAD 83(1986) POSITION- 43 11 36.      (N) 108 45 09.      (W) SCALED
OW0094* NAVD 88 ORTHO HEIGHT - 1655.374 (meters)      5431.01 (feet) ADJUSTED
OW0094
OW0094 GEOID HEIGHT   -      -12.788 (meters)                      GEOID18
OW0094 DYNAMIC HEIGHT -      1654.287 (meters)      5427.44 (feet) COMP
OW0094 MODELED GRAVITY -      979,905.9 (mgal)                      NAVD 88
OW0094
OW0094 VERT ORDER     -  SECOND      CLASS 0
OW0094
OW0094.The horizontal coordinates were scaled from a map and have
OW0094.an estimated accuracy of +/- 6 seconds.
OW0094.
OW0094.The orthometric height was determined by differential leveling and
OW0094.adjusted by the NATIONAL GEODETIC SURVEY
OW0094.in June 1991.
OW0094
OW0094.Significant digits in the geoid height do not necessarily reflect accuracy.
OW0094.GEOID18 height accuracy estimate available here.
OW0094
OW0094.Click here to see if photographs exist for this station.
OW0094
OW0094.The dynamic height is computed by dividing the NAVD 88
OW0094.geopotential number by the normal gravity value computed on the
OW0094.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
OW0094.degrees latitude (g = 980.6199 gals.).
OW0094
OW0094.The modeled gravity was interpolated from observed gravity values.
OW0094
OW0094;                      North      East      Units  Estimated Accuracy
OW0094;SPC WYWC      -  299,130.      599,800.      MT  (+/- 180 meters Scaled)
OW0094
OW0094_U.S. NATIONAL GRID SPATIAL ADDRESS: 12TXN826847(NAD 83)
OW0094
OW0094                      SUPERSEDED SURVEY CONTROL
OW0094
OW0094 NGVD 29 (??/??/92) 1654.358 (m)      5427.67 (f) ADJ UNCH  2 0
OW0094

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OW0094.Superseded values are not recommended for survey control.

OW0094

OW0094.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

OW0094.See file [dsdata.pdf](#) to determine how the superseded data were derived.

OW0094

OW0094_MARKER: DD = SURVEY DISK

OW0094_SETTING: 30 = SET IN A LIGHT STRUCTURE

OW0094_SP_SET: SPILLWAY

OW0094_STABILITY: D = MARK OF QUESTIONABLE OR UNKNOWN STABILITY

OW0094

HISTORY	Date	Condition	Report By
HISTORY	- UNK	MONUMENTED	BOR
HISTORY	- 1934	GOOD	CGS

HISTORY	- UNK	MONUMENTED	BOR
HISTORY	- 1934	GOOD	CGS

HISTORY	- 1934	GOOD	CGS
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OW0094

OW0094 STATION DESCRIPTION

OW0094

OW0094'DESCRIBED BY COAST AND GEODETIC SURVEY 1934

OW0094'60.8 MI E FROM DUBOIS.

OW0094'ABOUT 60.8 MILES EAST ALONG U.S. HIGHWAY 287 FROM THE WELTY STORE AT

OW0094'DUBOIS, FREMONT COUNTY, ABOUT 22.2 MILES WEST OF RIVERTON, ABOUT 12.2

OW0094'MILES EAST OF THE WIND RIVER DIVERSION DAM, AT THE PILOT BUTTE

OW0094'SPILLWAY, IN THE TOP OF THE HEAD WALL LEADING NORTH AND SOUTH OF THE

OW0094'NORTH SPILLWAY, AT A FLOOD GATE WHEEL, 51.5 FEET NORTHWEST OF THE

OW0094'CENTER OF A NORTH-AND-SOUTH ROAD CROSSING, 19.6 FEET WEST OF THE

OW0094'CENTER LINE OF THE CROSSROAD, 41.4 FEET NORTH OF THE CENTER LINE OF

OW0094'THE HIGHWAY, AND ABOUT LEVEL WITH THE HIGHWAY. A UNITED STATES

OW0094'RECLAMATION SERVICE STANDARD DISK.

*** retrieval complete.

Elapsed Time = 00:00:01

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.3

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1      National Geodetic Survey,   Retrieval Date = AUGUST 7, 2019
OW0104 *****
OW0104 DESIGNATION - L 49
OW0104 PID - OW0104
OW0104 STATE/COUNTY- WY/HOT SPRINGS
OW0104 COUNTRY - US
OW0104 USGS QUAD - HAMILTON DOME (1985)
OW0104
OW0104 *CURRENT SURVEY CONTROL
OW0104
OW0104* NAD 83(2011) POSITION- 43 49 19.23845(N) 108 32 34.09736(W) ADJUSTED
OW0104* NAD 83(2011) ELLIP HT- 1580.636 (meters) (06/27/12) ADJUSTED
OW0104* NAD 83(2011) EPOCH - 2010.00
OW0104* NAVD 88 ORTHO HEIGHT - 1593.023 (meters) 5226.44 (feet) ADJUSTED
OW0104
OW0104 GEOID HEIGHT - -12.368 (meters) GEOID12B
OW0104 NAD 83(2011) X - -1,466,145.901 (meters) COMP
OW0104 NAD 83(2011) Y - -4,370,993.306 (meters) COMP
OW0104 NAD 83(2011) Z - 4,394,938.750 (meters) COMP
OW0104 LAPLACE CORR - -11.17 (seconds) DEFLEC12B
OW0104 DYNAMIC HEIGHT - 1592.126 (meters) 5223.50 (feet) COMP
OW0104 MODELED GRAVITY - 980,000.3 (mgal) NAVD 88
OW0104
OW0104 VERT ORDER - SECOND CLASS 0
OW0104
OW0104 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
OW0104 Standards:
OW0104 FGDC (95% conf, cm) Standard deviation (cm) CorrNE
OW0104 Horiz Ellip SD_N SD_E SD_h (unitless)
OW0104 -----
OW0104 NETWORK 1.68 1.86 0.30 0.84 0.95 -0.15668012
OW0104 -----
OW0104 Click here for local accuracies and other accuracy information.
OW0104
OW0104
OW0104.The horizontal coordinates were established by GPS observations
OW0104.and adjusted by the National Geodetic Survey in June 2012.
OW0104
OW0104.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
OW0104.been affixed to the stable North American tectonic plate. See
OW0104.NA2011 for more information.
OW0104
OW0104.The horizontal coordinates are valid at the epoch date displayed above
OW0104.which is a decimal equivalence of Year/Month/Day.
OW0104
OW0104.The orthometric height was determined by differential leveling and
OW0104.adjusted by the NATIONAL GEODETIC SURVEY

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OW0104+SATELLITE: SATELLITE OBSERVATIONS - July 08, 1999

OW0104

OW0104	HISTORY	- Date	Condition	Report By
OW0104	HISTORY	- 1934	MONUMENTED	CGS
OW0104	HISTORY	- 1979	GOOD	USGS
OW0104	HISTORY	- 19990708	GOOD	WYPLS

OW0104

OW0104 STATION DESCRIPTION

OW0104

OW0104'DESCRIBED BY COAST AND GEODETIC SURVEY 1934

OW0104'27.7 MI NW FROM THERMOPOLIS.

OW0104'ABOUT 27.7 MILES NORTHWEST ALONG STATE HIGHWAY 120 FROM THE POST
OW0104'OFFICE AT THERMOPOLIS, HOT SPRINGS COUNTY, ABOUT 5.3 MILES NORTHEAST
OW0104'OF THE POST OFFICE AT HAMILTON DOME, ABOUT 0.9 MILE NORTH OF A
OW0104'SCHOOLHOUSE, AND 54 FEET NORTHWEST OF THE CENTER LINE OF THE HIGHWAY.
OW0104'A STANDARD DISK, STAMPED L 49 1934 AND SET IN THE TOP OF A CONCRETE
OW0104'POST.

OW0104

OW0104 STATION RECOVERY (1979)

OW0104

OW0104'RECOVERY NOTE BY US GEOLOGICAL SURVEY 1979

OW0104'THERMOPOLIS, HOT SPRINGS COUNTY, ONE BLOCK SOUTH AND TWO BLOCKS WEST
OW0104'OF COURTHOUSE TO INTERSECTION U.S. HWY 20 AND WYOMING HWY. 120,
OW0104'THENCE 21.5 MI. NW ALONG WYO. HWY. 120 TO PAVED ROAD LEADING WEST TO
OW0104'HAMILTON DOME, THENCE WESTERLY ALONG PAVED ROAD 4.1 MILES TO BM ON
OW0104'THE NORTH, AND 0.15 MILE WEST OF A CATTLEGUARD, 614 FEET EAST OF
OW0104'CROSSROADS AND 30 FEET NORTH OF THE ROAD AND SOUTH OF R.O.W. FENCE,
OW0104'SET IN THE TOP OF A CONCRETE POST. A STANDARD DISK STAMPED L 49 1934.

OW0104

OW0104 STATION RECOVERY (1999)

OW0104

OW0104'RECOVERY NOTE BY WYOMING PROFESSIONAL LAND SURVEYOR 1999 (RLH)

OW0104'THE STATION IS APPROXIMATELY 21 MI (33.8 KM) NW OF THERMOPOLIS, WY
OW0104'ALONG THE COTTONWOOD CREEK ROAD (COUNTY RD NO.10) IN THE SW1/4 SECTION
OW0104'31, T. 45 N., R. 97 W., 6TH P.M. OWNERSHIP--COUNTY ROAD
OW0104'RIGHT-OF-WAY. TO REACH STATION FROM THE INTERSECTION OF SIXTH STREET
OW0104'(US HIGHWAY 20) AND BROADWAY STREET (WY HIGHWAY 120) IN THE CENTER OF
OW0104'THERMOPOLIS, GO WEST ON BROADWAY STREET (WY HIGHWAY 120) 21.8 MI (35.1
OW0104'KM) TO COTTONWOOD CREEK ROAD (COUNTY ROAD NO. 10) , TURN LEFT AND GO
OW0104'WEST ON THE PAVED COUNTY ROAD 10 FOR 3.9 MI (6.3 KM) TO STATION ON
OW0104'RIGHT SIDE OF PAVEMENT WITHIN THE RIGHT-OF-WAY. THE STATION IS A
OW0104'STANDARD DISK SET IN A 6 IN SQUARE CONCRETE POST PROJECTING 23 CM
OW0104'ABOVE GROUND. THE STATION IS 30 FT. (9.1 M) NORTH OF THE CENTERLINE
OW0104'OF AND 2.54 FT (0.77 M) LOWER THAN THE CENTER OF COTTONWOOD CREEK
OW0104'ROAD, 44.5 FT (13.6 M) SOUTH OF THE RIGHT OF WAY FENCE AND IS PLAINLY
OW0104'VISIBLE FROM THE ROAD. THE CAP IS STAMPED L 49 1934. DESCRIBED BY
OW0104'R.L. HUDSON.

*** retrieval complete.

Elapsed Time = 00:00:06

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.4

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1      National Geodetic Survey,  Retrieval Date = SEPTEMBER 11, 2019
OW0138 *****
OW0138 DESIGNATION - S 42
OW0138 PID - OW0138
OW0138 STATE/COUNTY- WY/FREMONT
OW0138 COUNTRY - US
OW0138 USGS QUAD - KISINGER LAKES (1991)
OW0138
OW0138 *CURRENT SURVEY CONTROL
OW0138
OW0138* NAD 83(1986) POSITION- 43 42 44. (N) 109 58 01. (W) SCALED
OW0138* NAVD 88 ORTHO HEIGHT - 2557.569 (meters) 8390.96 (feet) ADJUSTED
OW0138
OW0138 GEOID HEIGHT - -8.017 (meters) GEOID18
OW0138 DYNAMIC HEIGHT - 2555.620 (meters) 8384.56 (feet) COMP
OW0138 MODELED GRAVITY - 979,764.2 (mgal) NAVD 88
OW0138
OW0138 VERT ORDER - SECOND CLASS 0
OW0138
OW0138.The horizontal coordinates were scaled from a map and have
OW0138.an estimated accuracy of +/- 6 seconds.
OW0138.
OW0138.The orthometric height was determined by differential leveling and
OW0138.adjusted by the NATIONAL GEODETIC SURVEY
OW0138.in June 1991.
OW0138
OW0138.Significant digits in the geoid height do not necessarily reflect accuracy.
OW0138.GEOID18 height accuracy estimate available here.
OW0138
OW0138.Click here to see if photographs exist for this station.
OW0138
OW0138.The dynamic height is computed by dividing the NAVD 88
OW0138.geopotential number by the normal gravity value computed on the
OW0138.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
OW0138.degrees latitude (g = 980.6199 gals.).
OW0138
OW0138.The modeled gravity was interpolated from observed gravity values.
OW0138
OW0138; North East Units Estimated Accuracy
OW0138;SPC WYWC - 357,500. 501,930. MT (+/- 180 meters Scaled)
OW0138
OW0138_U.S. NATIONAL GRID SPATIAL ADDRESS: 12TWP832404(NAD 83)
OW0138
OW0138 SUPERSEDED SURVEY CONTROL
OW0138
OW0138 NGVD 29 (??/??/92) 2556.193 (m) 8386.44 (f) ADJ UNCH 2 0
OW0138

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OW0138.Superseded values are not recommended for survey control.

OW0138

OW0138.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

OW0138.See file [dsdata.pdf](#) to determine how the superseded data were derived.

OW0138

OW0138_MARKER: DB = BENCH MARK DISK

OW0138_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

OW0138_STAMPING: S 42 1934

OW0138_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

OW0138+STABILITY: SURFACE MOTION

OW0138

HISTORY	- Date	Condition	Report By
OW0138 HISTORY	- 1934	MONUMENTED	CGS
OW0138 HISTORY	- 1954	GOOD	CGS

OW0138

OW0138 STATION DESCRIPTION

OW0138

OW0138'DESCRIBED BY COAST AND GEODETIC SURVEY 1934

OW0138'45.7 MI E FROM MORAN.

OW0138'IN FREMONT COUNTY, ABOUT 45.7 MILES EAST ALONG U.S. HIGHWAY 287 FROM

OW0138'THE DAM AT MORAN, TETON COUNTY, ABOUT 23.9 MILES WEST OF DUBOIS,

OW0138'FREMONT COUNTY, ABOUT 9.4 MILES EAST OF THE TWO-GWO-TEE PASS, ABOUT

OW0138'4.5 MILES EAST OF THE ENTRANCE TO THE DIAMOND G RANCH, AT THE PINNACLE

OW0138'CAMP GROUND, 46.0 FEET NORTHEAST OF THE NORTHEAST CORNER OF A WOODEN

OW0138'BRIDGE, 27.0 FEET WEST OF A DIM ROAD LEADING NORTH, AND 37.6 FEET

OW0138'NORTH OF THE CENTER LINE OF THE HIGHWAY. A STANDARD DISK, STAMPED S

OW0138'42 1934 AND SET IN THE TOP OF A CONCRETE POST.

OW0138

OW0138 STATION RECOVERY (1954)

OW0138

OW0138'RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1954

OW0138'RECOVERED IN GOOD CONDITION.

*** retrieval complete.

Elapsed Time = 00:00:00

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.4

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1      National Geodetic Survey,   Retrieval Date = OCTOBER  2,  2019
OW0158 *****
OW0158 FBN          -   This is a Federal Base Network Control Station.
OW0158 DESIGNATION -   A 47
OW0158 PID          -   OW0158
OW0158 STATE/COUNTY-   WY/FREMONT
OW0158 COUNTRY      -   US
OW0158 USGS QUAD    -   MASON DRAW (1979)
OW0158
OW0158                      *CURRENT SURVEY CONTROL
OW0158
OW0158* NAD 83(2011) POSITION- 43 30 39.26756(N) 109 34 14.50803(W) ADJUSTED
OW0158* NAD 83(2011) ELLIP HT- 2082.818 (meters) (06/27/12) ADJUSTED
OW0158* NAD 83(2011) EPOCH   - 2010.00
OW0158* NAVD 88 ORTHO HEIGHT - 2090.984 (meters) 6860.17 (feet) ADJUSTED
OW0158
OW0158 GEOID HEIGHT   -           -8.427 (meters) GEOID18
OW0158 NAD 83(2011) X - -1,552,440.150 (meters) COMP
OW0158 NAD 83(2011) Y - -4,366,824.443 (meters) COMP
OW0158 NAD 83(2011) Z -  4,370,274.749 (meters) COMP
OW0158 LAPLACE CORR   -           -7.62 (seconds) DEFLEC18
OW0158 DYNAMIC HEIGHT -           2089.552 (meters) 6855.47 (feet) COMP
OW0158 MODELED GRAVITY -           979,859.7 (mgal) NAVD 88
OW0158
OW0158 VERT ORDER     -   SECOND CLASS 0
OW0158
OW0158 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
OW0158 Standards:
OW0158          FGDC (95% conf, cm)          Standard deviation (cm)          CorrNE
OW0158          Horiz Ellip                  SD_N   SD_E   SD_h          (unitless)
OW0158 -----
OW0158 NETWORK      0.65   1.71                0.27   0.26   0.87          -0.06333201
OW0158 -----
OW0158 Click here for local accuracies and other accuracy information.
OW0158
OW0158
OW0158.The horizontal coordinates were established by GPS observations
OW0158.and adjusted by the National Geodetic Survey in June 2012.
OW0158
OW0158.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
OW0158.been affixed to the stable North American tectonic plate. See
OW0158.NA2011 for more information.
OW0158
OW0158.The horizontal coordinates are valid at the epoch date displayed above
OW0158.which is a decimal equivalence of Year/Month/Day.
OW0158
OW0158.The orthometric height was determined by differential leveling and

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OW0158_MARK LOGO: CGS

OW0158_MAGNETIC: N = NO MAGNETIC MATERIAL

OW0158_STABILITY: A = MOST RELIABLE AND EXPECTED TO HOLD

OW0158+STABILITY: POSITION/ELEVATION WELL

OW0158_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

OW0158+SATELLITE: SATELLITE OBSERVATIONS - December 29, 2004

OW0158

OW0158	HISTORY	- Date	Condition	Report By
OW0158	HISTORY	- 1934	MONUMENTED	CGS
OW0158	HISTORY	- 19930717	GOOD	NGS
OW0158	HISTORY	- 19990714	GOOD	NGS
OW0158	HISTORY	- 20041229	GOOD	INDIV

OW0158

OW0158 STATION DESCRIPTION

OW0158

OW0158'DESCRIBED BY COAST AND GEODETIC SURVEY 1934

OW0158'4.2 MI E FROM DUBOIS.

OW0158'ABOUT 4.2 MILES EAST ALONG U.S. HIGHWAY 287 FROM THE WELTY STORE AT
OW0158'DUBOIS, FREMONT COUNTY, ABOUT 0.2 MILE EAST OF THE BRIDGE OVER JAKEYS
OW0158'FORK, 47.0 FEET NORTHWEST OF THE CENTER LINE OF THE HIGHWAY, IN THE
OW0158'TOP OF A LARGE FLAT GRANITE ROCK, AND ABOUT 5.5 FEET HIGHER THAN THE
OW0158'HIGHWAY. A STANDARD DISK, STAMPED A 47 1934.

OW0158

OW0158 STATION RECOVERY (1993)

OW0158

OW0158'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1993 (GRH)

OW0158'STATION IS LOCATED ABOUT 6 KM (3.70 MI) SOUTHEAST OF DUBOIS, 0.4 KM
OW0158'(0.25 MI) SOUTHWEST OF US HIGHWAY 26, ALONG A DIRT ROAD LEADING TO A
OW0158'STATE FISH HATCHERY, ON A VERY SLIGHT NORTHEAST-SOUTHWEST RIDGE, IN
OW0158'THE SOUTHWEST 1/4 OF SECTION 15, T 41 N, R 106 W. OWNERSHIP--UNKNOWN.
OW0158'TO REACH FROM THE POST OFFICE IN THE NORTHWEST SECTION OF DUBOIS, GO
OW0158'EAST ON US HIGHWAYS 26 AND 287 FOR 1.11 KM (0.70 MI) TO A CROSS
OW0158'STREET. TURN RIGHT, SOUTH, ON THE HIGHWAYS FOR 5.96 KM (3.70 MI) TO A
OW0158'BRIDGE AT MILE 59.20. CONTINUE AHEAD FOR 0.20 KM (0.10 MI) TO A DIRT
OW0158'CROSSROAD. TURN RIGHT, SOUTHWEST, FOR 30 M (98.4 FT) TO A FORK. BEAR
OW0158'RIGHT, SOUTHERLY, ON FISH HATCHERY ROAD FOR 0.35 KM (0.20 MI) TO A
OW0158'REVERSE FORK LEFT JUST PAST TOP OF LOW RISE AND STATION ON THE RIGHT.
OW0158'STATION MARK IS SET IN A DRILL HOLE IN AN 0.7 M (2.3 FT) X 0.9 M (3.0
OW0158'FT) GRANITE OUTCROP PROJECTING 15 CM ABOVE GROUND ON ITS SOUTHEAST
OW0158'SIDE. IT IS 13.9 M (45.6 FT) NORTHWEST OF, AND 1.5 M (4.9 FT) HIGHER
OW0158'THAN THE ROAD CENTER, 0.9 M (3.0 FT) EAST OF A FIBERGLASS WITNESS
OW0158'POST, 0.4 M (1.3 FT) NORTH OF THE SOUTH END OF THE OUTCROP, AND 1 M
OW0158'(3.3 FT) SOUTHEAST OF THE EXTENDED CENTER OF ROAD LEADING TO THE
OW0158'NORTHEAST. DESCRIBED BY G.R.HEID

OW0158

OW0158 STATION RECOVERY (1999)

OW0158

OW0158'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1999 (CSM)

OW0158'RECOVERED BY NATIONAL GEODETIC SURVEY 1999. RECOVERED IN GOOD
OW0158'CONDITION AND AS PREVIOUSLY DESCRIBED.

OW0158

OW0158 STATION RECOVERY (2004)

OW0158

OW0158'RECOVERY NOTE BY INDIVIDUAL CONTRIBUTORS 2004 (CDH)

OW0158'MARK RECOVERED AS DESCRIBED, HAS A NGS CARSONITE POST ALONGSIDE AND IS

OW0158'25 FEET WEST OF PRIVATE ROAD TO CM RANCH (DUDE GUEST RANCH)

*** retrieval complete.

Elapsed Time = 00:00:00

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.3

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1      National Geodetic Survey,   Retrieval Date = AUGUST  7, 2019
OW0202 *****
OW0202 DESIGNATION -   D 330
OW0202 PID          -   OW0202
OW0202 STATE/COUNTY- WY/HOT SPRINGS
OW0202 COUNTRY      -   US
OW0202 USGS QUAD    -   THERMOPOLIS (1960)
OW0202
OW0202                      *CURRENT SURVEY CONTROL
OW0202
OW0202* NAD 83(2011) POSITION- 43 39 24.95262(N) 108 12 50.57983(W) ADJUSTED
OW0202* NAD 83(2011) ELLIP HT- 1381.162 (meters)                (06/27/12) ADJUSTED
OW0202* NAD 83(2011) EPOCH   - 2010.00
OW0202* NAVD 88 ORTHO HEIGHT - 1394.167 (meters)                4574.03 (feet) ADJUSTED
OW0202
OW0202 GEOID HEIGHT   -           -12.999 (meters)                GEOID12B
OW0202 NAD 83(2011) X - -1,444,961.310 (meters)                COMP
OW0202 NAD 83(2011) Y - -4,391,245.320 (meters)                COMP
OW0202 NAD 83(2011) Z -  4,381,546.189 (meters)                COMP
OW0202 LAPLACE CORR   -           -2.60 (seconds)                DEFLEC12B
OW0202 DYNAMIC HEIGHT -           1393.459 (meters)            4571.71 (feet) COMP
OW0202 MODELED GRAVITY -           980,062.8 (mgal)                NAVD 88
OW0202
OW0202 VERT ORDER     -   FIRST      CLASS II
OW0202
OW0202 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
OW0202 Standards:
OW0202           FGDC (95% conf, cm)      Standard deviation (cm)      CorrNE
OW0202           Horiz Ellip              SD_N   SD_E   SD_h          (unitless)
OW0202 -----
OW0202 NETWORK      2.23    2.23            0.38   1.12   1.14          -0.16341224
OW0202 -----
OW0202 Click here for local accuracies and other accuracy information.
OW0202
OW0202
OW0202.The horizontal coordinates were established by GPS observations
OW0202.and adjusted by the National Geodetic Survey in June 2012.
OW0202
OW0202.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
OW0202.been affixed to the stable North American tectonic plate. See
OW0202.NA2011 for more information.
OW0202
OW0202.The horizontal coordinates are valid at the epoch date displayed above
OW0202.which is a decimal equivalence of Year/Month/Day.
OW0202
OW0202.The orthometric height was determined by differential leveling and
OW0202.adjusted by the NATIONAL GEODETIC SURVEY

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OW0202+SATELLITE: SATELLITE OBSERVATIONS - July 15, 2015

OW0202

OW0202	HISTORY	- Date	Condition	Report By
OW0202	HISTORY	- 1982	MONUMENTED	NGS
OW0202	HISTORY	- 19990702	GOOD	WYPLS
OW0202	HISTORY	- 20150715	GOOD	GDAENG

OW0202

OW0202 STATION DESCRIPTION

OW0202

OW0202'DESCRIBED BY NATIONAL GEODETIC SURVEY 1982

OW0202'1.5 KM (0.95 MI) NORTH FROM THERMOPOLIS.

OW0202'0.5 KM (0.3 MI) NORTH ALONG U. S. HIGHWAY 20 FROM ITS JUNCTION WITH
OW0202'STATE HIGHWAY 120 IN THERMOPOLIS, THENCE 0.1 KM (0.05 MI) WEST ALONG
OW0202'PARK STREET, THENCE 0.9 KM (0.55 MI) NORTHERLY ALONG 7TH STREET, 24.0
OW0202'METERS (78.7 FT) SOUTHWEST OF THE CENTER OF A Y-FORK AND 11.0 METERS
OW0202'(36.1 FT) NORTHWEST OF THE CENTER OF THE STREET.

OW0202'THE MARK IS 0.3 METERS NW FROM A WITNESS POST.

OW0202'THE MARK IS 1.0 M ABOVE THE HIGHWAY.

OW0202

OW0202 STATION RECOVERY (1999)

OW0202

OW0202'RECOVERY NOTE BY WYOMING PROFESSIONAL LAND SURVEYOR 1999 (RLH)

OW0202'RECOVERED IN GOOD CONDITION, NEW DESCRIPTION FOLLOWS. THE STATION IS
OW0202'LOCATED APPROX 1.3 KM (0.80 MI) NORTH OF THE CENTER OF THERMOPOLIS ON
OW0202'THE WEST SIDE OF AIRPORT ROAD AND 0.1 KM (0.05 MI) WEST OF THE SOUTH
OW0202'END OF THE THERMOPOLIS - HOT SPRINGS COUNTY AIRPORT RUNWAY.

OW0202'OWNERSHIP-- AIRPORT ROAD RIGHT OF WAY. TO REACH THE STATION FROM THE
OW0202'INTERSECTION OF SIXTH AND BROADWAY STREETS IN THE CENTER OF
OW0202'THERMOPOLIS, GO WEST ON BROADWAY ONE BLOCK TO SEVENTH STREET, TURN
OW0202'RIGHT ON SEVENTH STREET AND GO NORTH FOR 0.6 KM (0.35 MI) TO MAIDEN
OW0202'STREET. CONTINUE NORTH, NOW ON AIRPORT ROAD FOR 0.8 KM (0.50 MI) TO
OW0202'THE STATION ON THE LEFT, VISIBLE FROM THE ROAD OPPOSITE THE SOUTH END
OW0202'OF THE AIRPORT RUNWAY. THE STATION MARK IS A BRONZE NGS VERTICAL
OW0202'CONTROL DISK SET IN A DRILL HOLE IN A LIMESTONE ROCK OUTCROP ABOUT
OW0202'FLUSH WITH THE SURROUNDING GROUND SURFACE. IT IS, 79.9 M (262.1 FT)
OW0202'WEST OF THE CENTER OF THE SOUTH END OF THE PAVED RUNWAY, 11.0 M (36.1
OW0202'FT) WEST OF THE CENTERLINE OF AIRPORT ROAD AND 0.25 M (0.82 FT) NORTH
OW0202'OF A FIBERGLASS WITNESS POST. DESCRIBED BY R.L. HUDSON OF WYPLS.

OW0202

OW0202 STATION RECOVERY (2015)

OW0202

OW0202'RECOVERY NOTE BY GDA ENGINEERS 2015 (ARR)

OW0202'RECOVERED AS DESCRIBED

*** retrieval complete.

Elapsed Time = 00:00:05

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.4

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1      National Geodetic Survey,  Retrieval Date = SEPTEMBER 11, 2019
OX0054 *****
OX0054 DESIGNATION - L 45
OX0054 PID - OX0054
OX0054 STATE/COUNTY- WY/SUBLETTE
OX0054 COUNTRY - US
OX0054 USGS QUAD - BONDURANT (1967)
OX0054
OX0054 *CURRENT SURVEY CONTROL
OX0054
OX0054* NAD 83(1986) POSITION- 43 12 20. (N) 110 24 43. (W) SCALED
OX0054* NAVD 88 ORTHO HEIGHT - 2012.437 (meters) 6602.47 (feet) ADJUSTED
OX0054
OX0054 GEOID HEIGHT - -10.515 (meters) GEOID18
OX0054 DYNAMIC HEIGHT - 2010.914 (meters) 6597.47 (feet) COMP
OX0054 MODELED GRAVITY - 979,792.5 (mgal) NAVD 88
OX0054
OX0054 VERT ORDER - FIRST CLASS II
OX0054
OX0054.The horizontal coordinates were scaled from a map and have
OX0054.an estimated accuracy of +/- 6 seconds.
OX0054.
OX0054.The orthometric height was determined by differential leveling and
OX0054.adjusted by the NATIONAL GEODETIC SURVEY
OX0054.in June 1991.
OX0054
OX0054.Significant digits in the geoid height do not necessarily reflect accuracy.
OX0054.GEOID18 height accuracy estimate available here.
OX0054
OX0054.Click here to see if photographs exist for this station.
OX0054
OX0054.The dynamic height is computed by dividing the NAVD 88
OX0054.geopotential number by the normal gravity value computed on the
OX0054.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
OX0054.degrees latitude (g = 980.6199 gals.).
OX0054
OX0054.The modeled gravity was interpolated from observed gravity values.
OX0054
OX0054; North East Units Estimated Accuracy
OX0054;SPC WY W - 400,540. 773,300. MT (+/- 180 meters Scaled)
OX0054
OX0054_U.S. NATIONAL GRID SPATIAL ADDRESS: 12TWN477838(NAD 83)
OX0054
OX0054 SUPERSEDED SURVEY CONTROL
OX0054
OX0054 NGVD 29 (??/??/92) 2011.010 (m) 6597.79 (f) ADJ UNCH 1 2
OX0054

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OX0054.Superseded values are not recommended for survey control.

OX0054

OX0054.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

OX0054.See file [dsdata.pdf](#) to determine how the superseded data were derived.

OX0054

OX0054_MARKER: DB = BENCH MARK DISK

OX0054_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

OX0054_STAMPING: L 45 1934

OX0054_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

OX0054+STABILITY: SURFACE MOTION

OX0054

OX0054	HISTORY	- Date	Condition	Report By
OX0054	HISTORY	- 1934	MONUMENTED	CGS
OX0054	HISTORY	- 1967	GOOD	CGS

OX0054

OX0054 STATION DESCRIPTION

OX0054

OX0054'DESCRIBED BY COAST AND GEODETIC SURVEY 1934

OX0054'IN TRIANGLE F RANCH.

OX0054'AT TRIANGLE F RANCH, SUBLETTE COUNTY, ON U.S. HIGHWAY 187, ACROSS THE

OX0054'HIGHWAY FROM THE POST OFFICE, 66 FEET EAST OF THE CENTER LINE OF THE

OX0054'DOOR OF THE LODGE, 3.4 FEET EAST OF THE EAST POST OF THE SIGN IN FRONT

OX0054'OF THE LODGE, AND 43.9 FEET WEST OF THE CENTER LINE OF THE HIGHWAY. A

OX0054'STANDARD DISK, STAMPED L 45 1934 AND SET IN THE TOP OF A CONCRETE

OX0054'POST.

OX0054

OX0054 STATION RECOVERY (1967)

OX0054

OX0054'RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1967

OX0054'RECOVERED IN GOOD CONDITION.

*** retrieval complete.

Elapsed Time = 00:00:04

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.4

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1      National Geodetic Survey,  Retrieval Date = SEPTEMBER 11, 2019
OX0059 *****
OX0059 DESIGNATION - Q 45
OX0059 PID - OX0059
OX0059 STATE/COUNTY- WY/SUBLETTE
OX0059 COUNTRY - US
OX0059 USGS QUAD - BULL CREEK (1996)
OX0059
OX0059 *CURRENT SURVEY CONTROL
OX0059
OX0059* NAD 83(1986) POSITION- 43 15 07.29 (N) 110 30 05.67 (W) HD_HELD1
OX0059* NAVD 88 ORTHO HEIGHT - 1944.219 (meters) 6378.66 (feet) ADJUSTED
OX0059
OX0059 GEOID HEIGHT - -10.299 (meters) GEOID18
OX0059 DYNAMIC HEIGHT - 1942.791 (meters) 6373.97 (feet) COMP
OX0059 MODELED GRAVITY - 979,817.3 (mgal) NAVD 88
OX0059
OX0059 VERT ORDER - FIRST CLASS II
OX0059
OX0059.The horizontal coordinates were determined by differentially corrected
OX0059.hand held GPS observations or other comparable positioning techniques
OX0059.and have an estimated accuracy of +/- 3 meters.
OX0059.
OX0059.The orthometric height was determined by differential leveling and
OX0059.adjusted by the NATIONAL GEODETIC SURVEY
OX0059.in June 1991.
OX0059
OX0059.Significant digits in the geoid height do not necessarily reflect accuracy.
OX0059.GEOID18 height accuracy estimate available here.
OX0059
OX0059.Click here to see if photographs exist for this station.
OX0059
OX0059.The dynamic height is computed by dividing the NAVD 88
OX0059.geopotential number by the normal gravity value computed on the
OX0059.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
OX0059.degrees latitude (g = 980.6199 gals.).
OX0059
OX0059.The modeled gravity was interpolated from observed gravity values.
OX0059
OX0059;
OX0059;          North          East          Units  Estimated Accuracy
OX0059;SPC WY W - 405,735.7 766,038.0 MT (+/- 3 meters HH1 GPS)
OX0059
OX0059_U.S. NATIONAL GRID SPATIAL ADDRESS: 12TWN4045988922(NAD 83)
OX0059
OX0059 SUPERSEDED SURVEY CONTROL
OX0059
OX0059 NGVD 29 (??/??/92) 1942.85 (m) 6374.2 (f) COMPUTED 1 2

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The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.3

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1      National Geodetic Survey,   Retrieval Date = AUGUST  5, 2019
PV0120 *****
PV0120 CBN          -   This is a Cooperative Base Network Control Station.
PV0120 DESIGNATION -   J 120
PV0120 PID          -   PV0120
PV0120 STATE/COUNTY- WY/CROOK
PV0120 COUNTRY     -   US
PV0120 USGS QUAD   -   SPYGLASS HILL (1982)
PV0120
PV0120                                *CURRENT SURVEY CONTROL
PV0120
PV0120* NAD 83(2011) POSITION- 44 14 39.30328(N) 104 55 14.71154(W) ADJUSTED
PV0120* NAD 83(2011) ELLIP HT- 1289.128 (meters) (06/27/12) ADJUSTED
PV0120* NAD 83(2011) EPOCH   - 2010.00
PV0120* NAVD 88 ORTHO HEIGHT - 1303.465 (meters) 4276.45 (feet) ADJUSTED
PV0120
PV0120 GEOID HEIGHT   -          -14.341 (meters) GEOID12B
PV0120 NAD 83(2011) X - -1,178,628.942 (meters) COMP
PV0120 NAD 83(2011) Y - -4,423,165.071 (meters) COMP
PV0120 NAD 83(2011) Z -  4,428,473.590 (meters) COMP
PV0120 LAPLACE CORR   -           3.54 (seconds) DEFLEC12B
PV0120 DYNAMIC HEIGHT -          1302.935 (meters) 4274.71 (feet) COMP
PV0120 MODELED GRAVITY -          980,165.4 (mgal) NAVD 88
PV0120
PV0120 VERT ORDER     -   FIRST      CLASS II
PV0120
PV0120 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
PV0120 Standards:
PV0120          FGDC (95% conf, cm)          Standard deviation (cm)          CorrNE
PV0120          Horiz Ellip                   SD_N   SD_E   SD_h          (unitless)
PV0120 -----
PV0120 NETWORK      1.93   4.90                   0.90   0.62   2.50          0.02119608
PV0120 -----
PV0120 Click here for local accuracies and other accuracy information.
PV0120
PV0120
PV0120.The horizontal coordinates were established by GPS observations
PV0120.and adjusted by the National Geodetic Survey in June 2012.
PV0120
PV0120.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
PV0120.been affixed to the stable North American tectonic plate. See
PV0120.NA2011 for more information.
PV0120
PV0120.The horizontal coordinates are valid at the epoch date displayed above
PV0120.which is a decimal equivalence of Year/Month/Day.
PV0120
PV0120.The orthometric height was determined by differential leveling and

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PV0120_PROJECTION: PROJECTING 15 CENTIMETERS
 PV0120_MAGNETIC: N = NO MAGNETIC MATERIAL
 PV0120_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
 PV0120+STABILITY: SURFACE MOTION
 PV0120_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
 PV0120+SATELLITE: SATELLITE OBSERVATIONS - July 15, 2006

PV0120

PV0120	HISTORY	- Date	Condition	Report By
PV0120	HISTORY	- 1957	MONUMENTED	CGS
PV0120	HISTORY	- 1985	GOOD	NGS
PV0120	HISTORY	- 19910828	GOOD	NGS
PV0120	HISTORY	- 19930622	GOOD	NGS
PV0120	HISTORY	- 19990901	GOOD	WYDT
PV0120	HISTORY	- 20000609	GOOD	USGS
PV0120	HISTORY	- 20060715	GOOD	JCLS

PV0120

PV0120 STATION DESCRIPTION

PV0120

PV0120'DESCRIBED BY COAST AND GEODETIC SURVEY 1957

PV0120'2 MI SE FROM MOORCROFT.

PV0120'2.0 MILES SOUTHEAST ALONG THE CHICAGO, BURLINGTON AND QUINCY
 PV0120'RAILROAD FROM THE STATION AT MOORCROFT, 70 FEET NORTHWEST OF THE
 PV0120'8TH POLE NORTHWEST OF MILEPOST 567, 97 FEET NORTH OF THE
 PV0120'NORTH RAIL, 51 FEET SOUTH OF THE CENTER LINE OF U.S. HIGHWAY 16,
 PV0120'2 FEET NORTH OF THE FENCE LINE, 2 FEET EAST OF A CONCRETE
 PV0120'WITNESS POST, ABOUT 4 FEET ABOVE THE TRACK AND IN THE TOP OF A
 PV0120'CONCRETE POST WHICH PROJECTS 7 INCHES.

PV0120

PV0120 STATION RECOVERY (1985)

PV0120

PV0120'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1985

PV0120'THE MARK IS 1.5 M BELOW THE HIGHWAY.

PV0120'RECOVERED IN GOOD CONDITION. NEW DESCRIPTION FOLLOWS. 3.45 KM
 PV0120'(2.15 MI) SOUTHEAST ALONG US HIGHWAY 16 FROM THE JUNCTION OF US
 PV0120'HIGHWAY 14 AT MOORCROFT, 0.1 KM (0.05 MI) SOUTHEAST OF MILEPOST 2,
 PV0120'40.5 METERS (133 FT) SOUTHWEST OF THE HIGHWAY CENTERLINE, 29.5 METERS
 PV0120'(97 FT) NORTHEAST OF THE NORTHEAST RAIL OF THE BURLINGTON NORTHERN
 PV0120'RAILROAD AND 21.3 METERS (70 FT) NORTHWEST OF THE EIGHTH TELEPHONE
 PV0120'POLE NORTHWEST OF MILEPOST 567.

PV0120'THE MARK IS 0.6 METERS SE FROM A WITNESS POST

PV0120

PV0120 STATION RECOVERY (1991)

PV0120

PV0120'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1991

PV0120'3.3 KM (2.05 MI) SOUTHEASTERLY ALONG U.S. HIGHWAY 16 FROM THE
 PV0120'JUNCTION OF U.S. HIGHWAY 14 IN MOORCROFT, 40.5 M (132.9 FT)
 PV0120'SOUTHWEST OF THE CENTERLINE OF THE HIGHWAY, 29.5 M (96.8 FT)
 PV0120'NORTHEAST OF THE NEAR RAIL OF THE BURLINGTON NORTHERN RAILROAD, 16.4
 PV0120'M (53.8 FT) NORTH OF UTILITY POLE NUMBER 5 1/2, 1.0 M (3.3 FT) BELOW
 PV0120'THE LEVEL OF THE HIGHWAY, 0.5 M (1.6 FT) SOUTHWEST OF A WITNESS POST,
 PV0120'AND THE MONUMENT PROJECTS 0.15 M (0.49 FT) ABOVE THE GROUND SURFACE.

PV0120

PV0120 STATION RECOVERY (1993)

PV0120

PV0120'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1993 (GRH)

PV0120'STATION IS LOCATED ABOUT 2 KM (1.25 MI) SOUTHEAST OF MOORCROFT, ALONG
 PV0120'US HIGHWAY 16, BETWEEN THE OLD ROADBED AND RAILROAD TRACKS, ON THE
 PV0120'RIGHT-OF-WAY, AT MILEPOST 202, ON A SOUTHWEST SLOPE, ON THE DIVIDE
 PV0120'LINE BETWEEN SECTIONS 8 AND 9, T 49 N, R 67 W. OWNERSHIP--STATE
 PV0120'HIGHWAY DEPARTMENT. TO REACH FROM THE UNDERPASS AT THE JUNCTION OF
 PV0120'INTERSTATE HIGHWAYS 90 AND 90 BUSINESS (EXIT 154) ON THE NORTHEAST
 PV0120'SIDE OF MOORCROFT, GO SOUTH ON HIGHWAY 90 BUSINESS FOR 0.37 KM (0.20
 PV0120'MI) TO A T-ROAD. TURN LEFT, SOUTHEAST, ON US HIGHWAY 16 FOR 1.92 KM
 PV0120'(1.20 MI) TO A DIRT ROAD RIGHT LEADING DOWNHILL. CONTINUE AHEAD FOR
 PV0120'1.04 KM (0.65 MI) TO MILEPOST 202 AND THE STATION ON THE RIGHT.
 PV0120'STATION MARK IS SET IN THE TOP OF A 30-CM ROUND CONCRETE POST
 PV0120'PROJECTING 5 CM ABOVE GROUND. IT IS 40.8 M (133.9 FT) SOUTHWEST OF,
 PV0120'AND 2 M (6.6 FT) LOWER THAN THE HIGHWAY CENTER, 25.0 M (82.0 FT)
 PV0120'NORTHEAST OF THE NORTHEAST RAIL OF THE NEAR TRACK, 0.6 M (2.0 FT)
 PV0120'SOUTHEAST OF A FIBERGLASS WITNESS POST AND A CONCRETE RIGHT-OF-WAY
 PV0120'POST, 16.5 M (54.1 FT) NORTHWEST OF UTILITY POLE 5 1/2, AND 13.1 M
 PV0120'(43.0 FT) NORTH-NORTHWEST OF UTILITY POLE F. DESCRIBED BY G.R.HEID
 PV0120

PV0120 STATION RECOVERY (1999)

PV0120

PV0120'RECOVERY NOTE BY WYOMING DEPARTMENT OF TRANSPORTATION 1999 (JET)
 PV0120'ORGANIZATION, WYOMING DEPARTMENT OF TRANSPORTATION, PHONE NUMBER
 PV0120'307-777-3819. THE DESCRIPTION IS ACCURATE.

PV0120

PV0120 STATION RECOVERY (2000)

PV0120

PV0120'RECOVERY NOTE BY US GEOLOGICAL SURVEY 2000 (RS)
 PV0120'MARK FOUND IN GOOD CONDITION

PV0120

PV0120 STATION RECOVERY (2006)

PV0120

PV0120'RECOVERY NOTE BY JOHN CHANCE LAND SURVEYS INC 2006
 PV0120'RECOVERED IN GOOD CONDITION.

*** retrieval complete.

Elapsed Time = 00:00:06

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.4

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1      National Geodetic Survey,   Retrieval Date = OCTOBER  2,  2019
PV0159 *****
PV0159 DESIGNATION -   D 60
PV0159 PID          -   PV0159
PV0159 STATE/COUNTY- WY/CROOK
PV0159 COUNTRY      -   US
PV0159 USGS QUAD    -   OSHOTO (1984)
PV0159
PV0159                      *CURRENT SURVEY CONTROL
PV0159
PV0159* NAD 83(1986) POSITION- 44 35 01.      (N) 104 58 03.      (W) SCALED
PV0159* NAVD 88 ORTHO HEIGHT - 1286.663 (meters)      4221.33 (feet) ADJUSTED
PV0159
PV0159 GEOID HEIGHT      -      -14.403 (meters)                      GEOID18
PV0159 DYNAMIC HEIGHT   -      1286.184 (meters)      4219.76 (feet) COMP
PV0159 MODELED GRAVITY  -      980,200.9 (mgal)                      NAVD 88
PV0159 OBS GRAVITY      -      980,200.6 (mgal)                      GRAV_OBS
PV0159
PV0159 VERT ORDER       -   SECOND      CLASS 0
PV0159
PV0159.The horizontal coordinates were scaled from a map and have
PV0159.an estimated accuracy of +/- 6 seconds.
PV0159.
PV0159.The orthometric height was determined by differential leveling and
PV0159.adjusted by the NATIONAL GEODETIC SURVEY
PV0159.in June 1991.
PV0159
PV0159.Significant digits in the geoid height do not necessarily reflect accuracy.
PV0159.GEOID18 height accuracy estimate available here.
PV0159
PV0159.Click here to see if photographs exist for this station.
PV0159
PV0159.The dynamic height is computed by dividing the NAVD 88
PV0159.geopotential number by the normal gravity value computed on the
PV0159.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
PV0159.degrees latitude (g = 980.6199 gals.).
PV0159
PV0159.The modeled gravity was interpolated from observed gravity values.
PV0159
PV0159.The observed gravity was obtained from relative gravimeter ties
PV0159.to the IGSN71 gravity network.
PV0159
PV0159;                      North      East      Units  Estimated Accuracy
PV0159;SPC WY E      -   453,610.      215,820.      MT  (+/- 180 meters Scaled)
PV0159
PV0159_U.S. NATIONAL GRID SPATIAL ADDRESS: 13TEK025366(NAD 83)
PV0159

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PV0159 SUPERSEDED SURVEY CONTROL
PV0159
PV0159 NGVD 29 (??/??/92) 1286.017 (m) 4219.21 (f) ADJ UNCH 2 0
PV0159
PV0159.Superseded values are not recommended for survey control.
PV0159
PV0159.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
PV0159.See file [dsdata.pdf](#) to determine how the superseded data were derived.
PV0159
PV0159_MARKER: DB = BENCH MARK DISK
PV0159_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
PV0159_STAMPING: D 60 1934
PV0159_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
PV0159+STABILITY: SURFACE MOTION
PV0159
PV0159 HISTORY - Date Condition Report By
PV0159 HISTORY - 1934 MONUMENTED CGS
PV0159 HISTORY - 1955 GOOD USGS
PV0159 HISTORY - 1982 GOOD USGS
PV0159
PV0159 STATION DESCRIPTION
PV0159
PV0159'DESCRIBED BY COAST AND GEODETIC SURVEY 1934
PV0159'14 MI S FROM STRONER.
PV0159'14.0 MILES SOUTH ALONG THE ROAD LEADING TO CARLILE FROM STRONER,
PV0159'CROOK COUNTY, ABOUT 1.7 MILES WEST OF THE GENERAL STORE AT
PV0159'OSHOTO, AT THE JUNCTION WITH THE ROAD LEADING TO OSHOTO, 43.5
PV0159'FEET EAST OF THE CENTER LINE OF THE ROAD LEADING TO STRONER, 33
PV0159'FEET NORTH OF THE CENTER LINE OF THE ROAD LEADING TO OSHOTO,
PV0159'AND 1.5 FEET WEST OF THE RIGHT-OF-WAY FENCE. A STANDARD DISK,
PV0159'STAMPED D 60 1934 AND SET IN THE TOP OF A CONCRETE POST.
PV0159
PV0159 STATION RECOVERY (1955)
PV0159
PV0159'RECOVERY NOTE BY US GEOLOGICAL SURVEY 1955
PV0159'RECOVERED IN GOOD CONDITION.
PV0159
PV0159 STATION RECOVERY (1982)
PV0159
PV0159'RECOVERY NOTE BY US GEOLOGICAL SURVEY 1982
PV0159'OSHOTO, 0.5 MILE SOUTH AND 1.5 MILE WEST OF, APPROXIMATELY NEAR
PV0159'CENTER OF NORTHEAST 1/4 SECTION 13, T. 53 N., R. 68 W., 1340 FEET
PV0159'NORTHWEST ALONG ROAD FROM CENTERLINE OF Y-RD. JCT., 35 FEET NORMAL
PV0159'AND ON NORTHEAST SIDE OF CENTERLINE ROAD. 37.8 FEET HIGHER THAN
PV0159'CENTERLINE Y-RD. JCT., 1.5 FEET SOUTHWEST OF FENCE, SET IN THE TOP OF
PV0159'CONCRETE POST PROJECTING ABOUT 2 INCHES, A STANDARD DISK, STAMPED 'D
PV0159'60 1934'.

*** retrieval complete.
Elapsed Time = 00:00:01

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.3

1 National Geodetic Survey, Retrieval Date = JULY 24, 2019

PV0452 *****

PV0452 DESIGNATION - KILPATRICK

PV0452 PID - PV0452

PV0452 STATE/COUNTY- WY/CROOK

PV0452 COUNTRY - US

PV0452 USGS QUAD - SHEPARD RESERVOIR (1984)

PV0452

PV0452 *CURRENT SURVEY CONTROL

PV0452

PV0452* NAD 83(1996) POSITION- 44 53 19.44496(N) 104 11 14.20625(W) ADJUSTED

PV0452* [NAVD 88](#) ORTHO HEIGHT - 1079.252 (meters) 3540.85 (feet) ADJUSTED

PV0452

PV0452 GEOID HEIGHT - -14.956 (meters) GEOID12B

PV0452 LAPLACE CORR - -4.03 (seconds) DEFLEC12B

PV0452 DYNAMIC HEIGHT - 1078.972 (meters) 3539.93 (feet) COMP

PV0452 MODELED GRAVITY - 980,319.6 (mgal) NAVD 88

PV0452

PV0452 HORZ ORDER - SECOND

PV0452 VERT ORDER - FIRST CLASS II

PV0452

PV0452.The horizontal coordinates were established by classical geodetic methods

PV0452.and adjusted by the National Geodetic Survey in January 1998.

PV0452.

PV0452.The orthometric height was determined by differential leveling and

PV0452.adjusted by the NATIONAL GEODETIC SURVEY

PV0452.in July 1998.

PV0452

PV0452.Significant digits in the geoid height do not necessarily reflect accuracy.

PV0452.GEOID12B height accuracy estimate available [here](#).

PV0452

PV0452.The Laplace correction was computed from DEFLEC12B derived deflections.

PV0452

PV0452.The dynamic height is computed by dividing the NAVD 88

PV0452.geopotential number by the normal gravity value computed on the

PV0452.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

PV0452.degrees latitude (g = 980.6199 gals.).

PV0452

PV0452.The modeled gravity was interpolated from observed gravity values.

PV0452

PV0452. The following values were computed from the NAD 83(1996) position.

PV0452

PV0452;

	North	East	Units	Scale	Factor	Converg.
PV0452;SPC MT	- 85,228.307	1,019,408.154	MT	1.00006859	+3 53	10.6
PV0452;SPC MT	- 279,620.43	3,344,514.94	iFT	1.00006859	+3 53	10.6
PV0452;SPC SD N	- 125,830.745	269,374.184	MT	0.99994311	-2 57	48.6
PV0452;SPC SD N	- 412,829.70	883,771.80	sFT	0.99994311	-2 57	48.6
PV0452;SPC WY E	- 487,966.842	277,366.072	MT	1.00001108	+0 41	28.4

PV0452;SPC MT - 85,228.307 1,019,408.154 MT 1.00006859 +3 53 10.6

PV0452;SPC MT - 279,620.43 3,344,514.94 iFT 1.00006859 +3 53 10.6

PV0452;SPC SD N - 125,830.745 269,374.184 MT 0.99994311 -2 57 48.6

PV0452;SPC SD N - 412,829.70 883,771.80 sFT 0.99994311 -2 57 48.6

PV0452;SPC WY E - 487,966.842 277,366.072 MT 1.00001108 +0 41 28.4

PV0452;SPC WY E - 1,600,937.88 909,991.85 sFT 1.00001108 +0 41 28.4
 PV0452;UTM 13 - 4,970,911.601 564,178.669 MT 0.99965065 +0 34 24.9

PV0452

PV0452! - Elev Factor x Scale Factor = Combined Factor

PV0452!SPC MT - 0.99983316 x 1.00006859 = 0.99990174

PV0452!SPC SD N - 0.99983316 x 0.99994311 = 0.99977628

PV0452!SPC WY E - 0.99983316 x 1.00001108 = 0.99984424

PV0452!UTM 13 - 0.99983316 x 0.99965065 = 0.99948387

PV0452

PV0452:	Primary Azimuth Mark	Grid Az
PV0452:SPC MT	- KILPATRICK AZ MK	319 09 55.2
PV0452:SPC SD N	- KILPATRICK AZ MK	326 00 54.4
PV0452:SPC WY E	- KILPATRICK AZ MK	322 21 37.4
PV0452:UTM 13	- KILPATRICK AZ MK	322 28 40.9

PV0452

PV0452_U.S. NATIONAL GRID SPATIAL ADDRESS: 13TEK6417870911(NAD 83)

PV0452

PV0452	PID	Reference Object	Distance	Geod. Az
PV0452				dddmss.s
PV0452	AC6360	KILPATRICK RM 1	10.047 METERS	10324
PV0452	AD8800	KILPATRICK AZ MK		3230305.8
PV0452	AC6359	KILPATRICK RM 2	7.939 METERS	35740

PV0452

PV0452 SUPERSEDED SURVEY CONTROL

PV0452

PV0452 NAD 83(1993)- 44 53 19.44234(N) 104 11 14.20638(W) AD() 2

PV0452 NAD 83(1986)- 44 53 19.43372(N) 104 11 14.19972(W) AD() 2

PV0452 NAD 27 - 44 53 19.48400(N) 104 11 12.40800(W) AD() 2

PV0452 NGVD 29 (07/19/86) 1078.7 (m) 3539. (f) VERT ANG

PV0452

PV0452.Superseded values are not recommended for survey control.

PV0452

PV0452.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

PV0452.See file [dsdata.pdf](#) to determine how the superseded data were derived.

PV0452

PV0452_MARKER: DS = TRIANGULATION STATION DISK

PV0452_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

PV0452_STAMPING: KILPATRICK 1949

PV0452_MARK LOGO: CGS

PV0452_MAGNETIC: N = NO MAGNETIC MATERIAL

PV0452_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

PV0452+STABILITY: SURFACE MOTION

PV0452_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

PV0452+SATELLITE: SATELLITE OBSERVATIONS - September 30, 1995

PV0452

PV0452	HISTORY	- Date	Condition	Report By
PV0452	HISTORY	- 1949	MONUMENTED	CGS
PV0452	HISTORY	- 1984	GOOD	LOCENG
PV0452	HISTORY	- 19950930	GOOD	NGS

PV0452

PV0452 STATION DESCRIPTION

PV0452

PV0452'DESCRIBED BY COAST AND GEODETIC SURVEY 1949 (VRS)

PV0452'THE STATION IS JUST NORTH OF THE U.S. HIGHWAY 212 RIGHT OF
PV0452'WAY IN THE ROLLING LOWLANDS ABOUT 15 MILES SOUTHEAST OF THE
PV0452'VILLAGE OF ALZADA, 25 MILES NORTHEAST OF THE VILLAGE OF HULETT,
PV0452'AND ABOUT 23 MILES NORTHWEST OF THE TOWN OF BELLE FOURCHE.
PV0452'
PV0452'THE STATION CAN BE REACHED FROM THE INTERSECTION OF STATE STREET
PV0452'AND SIXTH AVENUE IN BELLE FOURCHE BY GOING NORTH ON U.S.
PV0452'HIGHWAY 212 AND 85 FOR 0.5 MILE TO A FORK. TAKE THE LEFT FORK,
PV0452'NORTHWEST, AND FOLLOW U.S. HIGHWAY 212 FOR 21.2 MILES TO THE
PV0452'STATION ON THE RIGHT.
PV0452'
PV0452'THE AZIMUTH MARK CAN BE REACHED FROM THE STATION BY GOING
PV0452'NORTHWEST ON THE HIGHWAY FOR 0.3 MILE TO THE MARK ON THE RIGHT.
PV0452'
PV0452'THE STATION MARK, STAMPED KILPATRICK 1949, IS A STANDARD STATION
PV0452'MARK DISK THAT IS SET IN THE TOP OF A 10 X 10 INCH CONCRETE
PV0452'POST THAT PROJECTS ABOUT 4 INCHES ABOVE THE SURFACE OF THE
PV0452'GROUND. IT IS 9 FEET NORTHEAST OF A WIRE FENCE, 10 FEET EAST
PV0452'OF A WHITE WITNESS POST, AND 78 FEET NORTHEAST OF THE CENTER OF
PV0452'THE HIGHWAY.
PV0452'
PV0452'REFERENCE MARK NUMBER 1, STAMPED KILPATRICK NO 1 1949, IS A
PV0452'STANDARD REFERENCE MARK DISK THAT IS SET IN THE TOP OF A 10 X
PV0452'10 INCH CONCRETE POST THAT PROJECTS ABOUT 6 INCHES ABOVE THE
PV0452'SURFACE OF THE GROUND. IT IS 28 FEET NORTHEAST OF A WIRE
PV0452'FENCE AND 97 FEET NORTHEAST OF THE HIGHWAY.
PV0452'
PV0452'REFERENCE MARK NUMBER 2, STAMPED KILPATRICK NO 2 1949, IS A
PV0452'STANDARD REFERENCE MARK DISK THAT IS SET IN THE TOP OF A 10 X
PV0452'10 INCH CONCRETE POST THAT PROJECTS ABOUT 5 INCHES ABOVE
PV0452'THE SURFACE OF THE GROUND. IT IS 21 FEET NORTHEAST OF THE
PV0452'WIRE FENCE AND 90 FEET NORTHEAST OF THE HIGHWAY.
PV0452'
PV0452'THE AZIMUTH MARK, STAMPED KILPATRICK 1949, IS A STANDARD AZIMUTH
PV0452'MARK DISK THAT IS SET IN THE TOP OF A 10 X 10 INCH CONCRETE POST
PV0452'THAT PROJECTS ABOUT 5 INCHES ABOVE THE SURFACE OF THE GROUND.
PV0452'IT IS 8 FEET SOUTHEAST OF A WHITE WITNESS POST, 0.9 FOOT
PV0452'SOUTHWEST OF THE WIRE FENCE, AND 76 FEET SOUTHWEST OF THE
PV0452'CENTER OF THE HIGHWAY.
PV0452'
PV0452'HEIGHT OF LIGHT ABOVE STATION MARK 1.15 METERS.
PV0452
PV0452 STATION RECOVERY (1984)
PV0452
PV0452'RECOVERY NOTE BY LOCAL ENGINEER (INDIVIDUAL OR FIRM) 1984 (MLC)
PV0452'KILPATRICK 1949 RECOVERED GOOD.
PV0452'
PV0452'KILPATRICK NO 1 RECOVERED GOOD.
PV0452'
PV0452'KILPATRICK NO 2 RECOVERED GOOD.
PV0452'
PV0452'DISTANCE AND DIRECTION FROM NEAREST TOWN--15 MILES SOUTHEAST OF
PV0452'ALZADA.
PV0452
PV0452 STATION RECOVERY (1995)

PV0452

PV0452'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1995 (GAS)

PV0452'23.9 KM (14.85 MI) SOUTHEASTERLY ALONG U.S. HIGHWAY 212 FROM THE
PV0452'JUNCTION OF STATE HIGHWAY 323 IN ALZADA, MONTANA, 317.0 M (1040.0 FT)
PV0452'NORTHWEST OF AN AIR FORCE INSTALLATION, 23.8 M (78.1 FT) NORTHEAST OF
PV0452'THE HIGHWAY CENTERLINE, 2.7 M (8.9 FT) NORTHEAST OF A WITNESS POST AND
PV0452'FENCE, 1.0 M (3.3 FT) BELOW THE LEVEL OF THE HIGHWAY, AND THE MONUMENT
PV0452'PROJECTS 0.1 M (0.3 FT) ABOVE THE GROUND SURFACE.

*** retrieval complete.

Elapsed Time = 00:00:05

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.4

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1      National Geodetic Survey,   Retrieval Date = OCTOBER  2, 2019
PV0630 *****
PV0630 FBN          -   This is a Federal Base Network Control Station.
PV0630 DESIGNATION -   K 370
PV0630 PID          -   PV0630
PV0630 STATE/COUNTY-   WY/CROOK
PV0630 COUNTRY      -   US
PV0630 USGS QUAD    -   SUNDANCE EAST (1984)
PV0630
PV0630                                *CURRENT SURVEY CONTROL
PV0630
PV0630* NAD 83(2011) POSITION- 44 27 07.69865(N) 104 16 47.33291(W) ADJUSTED
PV0630* NAD 83(2011) ELLIP HT- 1359.064 (meters) (06/27/12) ADJUSTED
PV0630* NAD 83(2011) EPOCH   - 2010.00
PV0630* NAVD 88 ORTHO HEIGHT - 1372.816 (meters) 4503.98 (feet) ADJUSTED
PV0630
PV0630 GEOID HEIGHT   -          -13.752 (meters) GEOID18
PV0630 NAD 83(2011) X - -1,125,105.159 (meters) COMP
PV0630 NAD 83(2011) Y - -4,420,469.415 (meters) COMP
PV0630 NAD 83(2011) Z -  4,445,045.022 (meters) COMP
PV0630 LAPLACE CORR   -           -2.75 (seconds) DEFLEC18
PV0630 DYNAMIC HEIGHT -          1372.309 (meters) 4502.32 (feet) COMP
PV0630 MODELED GRAVITY -          980,199.5 (mgal) NAVD 88
PV0630
PV0630 VERT ORDER     -   FIRST      CLASS II
PV0630
PV0630 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
PV0630 Standards:
PV0630          FGDC (95% conf, cm)      Standard deviation (cm)      CorrNE
PV0630          Horiz Ellip              SD_N   SD_E   SD_h      (unitless)
PV0630 -----
PV0630 NETWORK      0.35   0.90              0.14   0.15   0.46      0.00578534
PV0630 -----
PV0630 Click here for local accuracies and other accuracy information.
PV0630
PV0630
PV0630.The horizontal coordinates were established by GPS observations
PV0630.and adjusted by the National Geodetic Survey in June 2012.
PV0630
PV0630.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
PV0630.been affixed to the stable North American tectonic plate. See
PV0630.NA2011 for more information.
PV0630
PV0630.The horizontal coordinates are valid at the epoch date displayed above
PV0630.which is a decimal equivalence of Year/Month/Day.
PV0630
PV0630.The orthometric height was determined by differential leveling and

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PV0630.adjusted by the NATIONAL GEODETIC SURVEY
 PV0630.in September 1993.
 PV0630
 PV0630.Significant digits in the geoid height do not necessarily reflect accuracy.
 PV0630.GEOID18 height accuracy estimate available [here](#).
 PV0630
 PV0630.Click [here](#) to see if photographs exist for this station.
 PV0630
 PV0630.The X, Y, and Z were computed from the position and the ellipsoidal ht.
 PV0630
 PV0630.The Laplace correction was computed from DEFLEC18 derived deflections.
 PV0630
 PV0630.The ellipsoidal height was determined by GPS observations
 PV0630.and is referenced to NAD 83.
 PV0630
 PV0630.The dynamic height is computed by dividing the NAVD 88
 PV0630.geopotential number by the normal gravity value computed on the
 PV0630.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
 PV0630.degrees latitude (g = 980.6199 gals.).
 PV0630
 PV0630.The modeled gravity was interpolated from observed gravity values.
 PV0630
 PV0630. The following values were computed from the NAD 83(2011) position.
 PV0630

PV0630;		North	East	Units	Scale Factor	Converg.
PV0630;SPC WY E	-	439,368.875	270,584.271	MT	0.99999875	+0 37 16.0
PV0630;SPC WY E	-	1,441,496.05	887,741.90	sFT	0.99999875	+0 37 16.0
PV0630;UTM 13	-	4,922,345.067	557,299.960	MT	0.99964038	+0 30 15.7

PV0630!		Elev Factor	x	Scale Factor	=	Combined Factor
PV0630!SPC WY E	-	0.99978695	x	0.99999875	=	0.99978570
PV0630!UTM 13	-	0.99978695	x	0.99964038	=	0.99942741

 PV0630_U.S. NATIONAL GRID SPATIAL ADDRESS: 13TEK5729922345(NAD 83)
 PV0630
 PV0630 SUPERSEDED SURVEY CONTROL
 PV0630

PV0630	NAD 83(2007)-	44 27 07.69845(N)	104 16 47.33405(W)	AD(2002.00)	0
PV0630	ELLIP H (02/10/07)	1359.094 (m)		GP(2002.00)	
PV0630	ELLIP H (06/21/01)	1359.116 (m)		GP()	4 2
PV0630	ELLIP H (07/24/97)	1359.120 (m)		GP()	1 1
PV0630	NAD 83(1993)-	44 27 07.69755(N)	104 16 47.33429(W)	AD()	A
PV0630	ELLIP H (10/19/94)	1359.202 (m)		GP()	3 1
PV0630	NAVD 88	1372.82 (m)	4504.0 (f)	LEVELING	3

 PV0630.Superseded values are not recommended for survey control.
 PV0630
 PV0630.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
 PV0630.See file [dsdata.pdf](#) to determine how the superseded data were derived.
 PV0630
 PV0630_MARKER: I = METAL ROD
 PV0630_SETTING: 49 = STAINLESS STEEL ROD W/O SLEEVE (10 FT.+)

 PV0630_STAMPING: K 370 1991
 PV0630_MARK LOGO: NGS

PV0630_PROJECTION: FLUSH
 PV0630_MAGNETIC: I = MARKER IS A STEEL ROD
 PV0630_STABILITY: B = PROBABLY HOLD POSITION/ELEVATION WELL
 PV0630_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
 PV0630+SATELLITE: SATELLITE OBSERVATIONS - May 16, 2002

PV0630	HISTORY	- Date	Condition	Report By
PV0630	HISTORY	- 1991	MONUMENTED	NGS
PV0630	HISTORY	- 19931007	GOOD	NGS
PV0630	HISTORY	- 19960520	GOOD	NGS
PV0630	HISTORY	- 19961012	GOOD	NGS
PV0630	HISTORY	- 19990901	GOOD	WYDT
PV0630	HISTORY	- 19991006	GOOD	NGS
PV0630	HISTORY	- 20020516	GOOD	SDDT

PV0630

PV0630 STATION DESCRIPTION

PV0630

PV0630'DESCRIBED BY NATIONAL GEODETIC SURVEY 1991
 PV0630'9.6 KM (5.95 MI) EASTERLY ALONG CLEVELAND STREET AND AN INTERSTATE
 PV0630'HIGHWAY 90 FRONTAGE ROAD FROM THE COURTHOUSE IN SUNDANCE, A METAL ROD
 PV0630'DRIVEN 1.3 M AND FLUSH WITH THE GROUND, 49.6 M (162.7 FT) NORTHEAST
 PV0630'OF A T-FENCE CORNER, 30.0 M (98.4 FT) NORTHWEST OF AND LEVEL WITH THE
 PV0630'CENTERLINE OF THE HIGHWAY, AND 0.5 M (1.6 FT) SOUTHEAST OF A WITNESS
 PV0630'POST AND FENCE. NOTE--ACCESS TO THE DATUM POINT IS THROUGH A 5-INCH
 PV0630'LOGO CAP. THE ROD WAS DRIVEN TO REFUSAL AND ANCHORED.

PV0630

PV0630 STATION RECOVERY (1993)

PV0630

PV0630'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1993 (AJL)
 PV0630'THE STATION IS LOCATED ABOUT 22 KM (13.65 MI) WEST OF THE SOUTH DAKOTA
 PV0630'BORDER, 9 KM (5.60 MI) EAST OF SUNDANCE, ON THE NORTHWEST FACE OF A
 PV0630'ROUNDED GRASSY HILL ALONG THE NORTH RIGHT-OF-WAY OF A FRONTAGE ROAD
 PV0630'ALONG INTERSTATE HIGHWAY 90. OWNERSHIP--WYOMING DEPARTMENT OF
 PV0630'TRANSPORTATION. TO REACH FROM THE OVERPASS AT THE JUNCTION OF
 PV0630'INTERSTATE HIGHWAY 90 AND BUSINESS HIGHWAY 90 (EXIT 189), AT THE PORT
 PV0630'OF ENTRY ON THE EAST SIDE OF SUNDANCE, GO EASTERLY ON HIGHWAY 90 FOR
 PV0630'4.14 KM (2.55 MI) TO THE EXIT RAMP FOR MOSKEE ROAD (EXIT 191). BEAR
 PV0630'RIGHT, NORTHEAST, ON THE EXIT RAMP FOR 0.51 KM (0.30 MI) TO THE
 PV0630'JUNCTION OF MOSKEE ROAD. TURN LEFT, NORTHWEST, ON THE PAVED ROAD,
 PV0630'PASSING UNDER HIGHWAY 90 FOR 0.21 KM (0.15 MI) TO THE FRONTAGE ROAD.
 PV0630'TURN RIGHT, NORTHEAST, ON THE FRONTAGE ROAD FOR 1.89 KM (1.15 MI) TO
 PV0630'THE STATION ON THE LEFT 0.04 KM (0.00 MI) BEFORE MILE MARKER 14. THE
 PV0630'STATION IS A PUNCH HOLE TOP CENTER ON A STAINLESS STEEL ROD IN A 2.5
 PV0630'CM GREASE FILLEDE SLEEVE 90 CM LONG ENCASED IN A 12.7 CM PVC PIPE WITH
 PV0630'A LOGO CAP SET FLUSH WITH THE GROUND. IT IS 49.6 M (162.7 FT)
 PV0630'NORTHEAST OF A T-FENCE CORNER, 30.0 M (98.4 FT) NORTHWEST OF, AND
 PV0630'LEVEL WITH THE ROAD CENTER, AND 0.5 M (1.6 FT) SOUTHEAST OF A
 PV0630'FIBERGLASS WITNESS POST IN THE FENCE. DESCRIBED BY D.G. AUG

PV0630

PV0630 STATION RECOVERY (1996)

PV0630

PV0630'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1996 (CFS)
 PV0630'THE STATION IS LOCATED ABOUT 22 KM (13.65 MI) WEST OF THE SOUTH DAKOTA
 PV0630'BORDER, 9 KM (5.60 MI) EAST OF SUNDANCE, ON THE NORTHWEST FACE OF A
 PV0630'ROUNDED GRASSY HILL ALONG THE NORTH RIGHT-OF-WAY OF A FRONTAGE ROAD

PV0630'ALONG INTERSTATE HIGHWAY 90. OWNERSHIP--WYOMING DEPARTMENT OF
 PV0630'TRANSPORTATION. TO REACH FROM THE OVERPASS AT THE JUNCTION OF
 PV0630'INTERSTATE HIGHWAY 90 AND BUSINESS HIGHWAY 90 (EXIT 189) , AT THE PORT
 PV0630'OF ENTRY ON THE EAST SIDE OF SUNDANCE, GO EASTERLY ON HIGHWAY 90 FOR
 PV0630'4.14 KM (2.55 MI) TO THE EXIT RAMP FOR MOSKEE ROAD (EXIT 191) . BEAR
 PV0630'RIGHT, NORTHEAST, ON THE EXIT RAMP FOR 0.51 KM (0.30 MI) TO THE
 PV0630'JUNCTION OF MOSKEE ROAD. TURN LEFT, NORTHWEST, ON THE PAVED ROAD,
 PV0630'PASSING UNDER HIGHWAY 90 FOR 0.21 KM (0.15 MI) TO THE FRONTAGE ROAD.
 PV0630'TURN RIGHT, NORTHEAST, ON THE FRONTAGE ROAD FOR 1.89 KM (1.15 MI) TO
 PV0630'THE STATION ON THE LEFT 0.04 KM (0.00 MI) BEFORE MILE MARKER 14. THE
 PV0630'STATION IS A PUNCH HOLE TOP CENTER ON A STAINLESS STEEL ROD IN A 2.5
 PV0630'CM GREASE FILLEDE SLEEVE 90 CM LONG ENCASED IN A 12.7 CM PVC PIPE WITH
 PV0630'A LOGO CAP SET FLUSH WITH THE GROUND. IT IS 49.6 M (162.7 FT)
 PV0630'NORTHEAST OF A T-FENCE CORNER, 30.0 M (98.4 FT) NORTHWEST OF, AND
 PV0630'LEVEL WITH THE ROAD CENTER, AND 0.5 M (1.6 FT) SOUTHEAST OF A
 PV0630'FIBERGLASS WITNESS POST IN THE FENCE.

PV0630

PV0630 STATION RECOVERY (1996)

PV0630

PV0630'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1996 (DFC)
 PV0630'THE STATION IS LOCATED ABOUT 22.0 KM (13.65 MI) WEST OF THE SOUTH
 PV0630'DAKOTA/WYOMING STATE LINE, 9.0 KM (5.60 MI) EAST OF SUNDANCE, ON A
 PV0630'GRASSY HILL ON A FRONTAGE ROAD OF INTERSTATE HIGHWAY 90.
 PV0630'OWNERSHIP--THE STATE OF WYOMING. TO REACH THE STATION FROM THE
 PV0630'JUNCTION OF INTERSTATE HIGHWAY 90 AND INTERSTATE HIGHWAY 90 BUSINESS
 PV0630'(EXIT 189) AT THE PORT OF ENTRY ON THE EAST SIDE OF SUNDANCE, GO EAST
 PV0630'ON INTERSTATE HIGHWAY 90 FOR 4.14 KM (2.55 MI) TO THE OFF-RAMP AT EXIT
 PV0630'191 FOR MOSKEE ROAD, BEAR RIGHT ON THE EXIT RAMP FOR 0.51 KM (0.30 MI)
 PV0630'TO THE JUNCTION OF MOSKEE ROAD, TURN LEFT AND GO NORTHWEST ON THE
 PV0630'PAVED ROAD PASSING UNDER THE INTERSTATE HIGHWAY FOR 0.21 KM (0.15 MI)
 PV0630'TO A FRONTAGE ROAD, TURN RIGHT AND GO NORTHEAST ON THE FRONTAGE ROAD
 PV0630'FOR 1.89 KM (1.15 MI) TO THE STATION ON THE LEFT, 0.4 KM (0.25 MI)
 PV0630'BEFORE MILEPOST 14. THE STATION IS LOCATED 49.6 M (162.7 FT)
 PV0630'NORTHEAST OF A T-FENCE CORNER, 30.0 M (98.4 FT) NORTHWEST OF AND LEVEL
 PV0630'WITH THE ROAD CENTER, AND 0.5 M (1.6 FT) SOUTHEAST OF A WITNESS POST
 PV0630'AND FENCE. NOTE--ACCESS TO THE DATUM POINT IS THROUGH A 5-INCH LOGO
 PV0630'CAP.

PV0630

PV0630 STATION RECOVERY (1999)

PV0630

PV0630'RECOVERY NOTE BY WYOMING DEPARTMENT OF TRANSPORTATION 1999 (MFP)
 PV0630'ORGANIZATION, WYOMING DEPARTMENT OF TRANSPORTATION, PHONE NUMBER
 PV0630'307-777-3819. THE STATION WAS NOT RECOVERED IN THE FIELD. IN THE
 PV0630'STATE/COUNTY SECTION OF THE NGS DATA SHEET THE FOLLOWING ERROR WAS
 PV0630'NOTED, THE COUNTY SHOULD BE CROOK VERSUS CAMPBELL.

PV0630

PV0630 STATION RECOVERY (1999)

PV0630

PV0630'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1999 (CSM)
 PV0630'RECOVERED IN GOOD CONDITION. NEW DESCRIPTION FOLLOWS. THE STATION IS
 PV0630'LOCATED ABOUT 22.0 KM (13.65 MI) WEST OF THE SOUTH DAKOTA/WYOMING
 PV0630'STATE LINE, 9.0 KM (5.60 MI) EAST OF SUNDANCE, ON A GRASSY HILL ON A
 PV0630'FRONTAGE ROAD OF INTERSTATE HIGHWAY 90. OWNERSHIP-- STATE OF WYOMING
 PV0630'HIGHWAY RIGHT-OF-WAY. TO REACH THE STATION FROM THE JUNCTION OF
 PV0630'INTERSTATE HIGHWAY 90 AND INTERSTATE HIGHWAY 90 BUSINESS (EXIT 189) AT

PV0630'THE PORT OF ENTRY ON THE EAST SIDE OF SUNDANCE, GO EAST ON INTERSTATE
PV0630'HIGHWAY 90 FOR 4.14 KM (2.55 MI) TO THE OFF-RAMP AT EXIT 191 FOR
PV0630'MOSKEE ROAD, BEAR RIGHT ON THE EXIT RAMP FOR 0.51 KM (0.30 MI) TO THE
PV0630'JUNCTION OF MOSKEE ROAD, TURN LEFT AND GO NORTHWEST ON THE PAVED ROAD
PV0630'PASSING BACK UNDER THE INTERSTATE HIGHWAY FOR 0.21 KM (0.15 MI) TO A
PV0630'FRONTAGE ROAD, TURN RIGHT AND GO NORTHEAST ON THE FRONTAGE ROAD FOR
PV0630'1.89 KM (1.15 MI) TO THE STATION ON THE LEFT 0.16 KM (0.10 MI) BEFORE
PV0630'MILEPOST 14. IT IS, 166.7 FT (50.8 M) NORTHEAST OF A T-FENCE CORNER,
PV0630'96.5 FT (29.4 M) NORTHWEST OF THE FRONTAGE ROAD CENTERLINE, 2.2 FT
PV0630'(0.7 M) SOUTHEAST OF A FENCELINE, AND 1.9 FT (0.6 M) EAST-NORTHEAST OF
PV0630'TWO FIBERGLASS WITNESS POSTS. THE STATION IS PROTECTED BY TWO 3 FT
PV0630'(0.9 M) TALL WOODEN POSTS. NOTE--ACCESS TO THE DATUM POINT IS THROUGH
PV0630'A 5-INCH LOGO CAP. DESCRIBED BY V.C. PICZAK.

PV0630

PV0630

STATION RECOVERY (2002)

PV0630

PV0630'RECOVERY NOTE BY SD DEPT OF TRANSP 2002 (RAH)

PV0630'RECOVERED AS DESCRIBED

PV0630'

*** retrieval complete.

Elapsed Time = 00:00:01

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.3

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1      National Geodetic Survey,  Retrieval Date = AUGUST  5, 2019
PV0646 *****
PV0646 DESIGNATION -  CRMS 12
PV0646 PID          -  PV0646
PV0646 STATE/COUNTY-  WY/CROOK
PV0646 COUNTRY      -  US
PV0646 USGS QUAD    -  GRASSHOPPER BUTTE (1984)
PV0646
PV0646                      *CURRENT SURVEY CONTROL
PV0646
PV0646-----
PV0646* NAD 83(1986) POSITION- 44 16 21.      (N) 104 50 13.      (W)  SCALED
PV0646* NAVD 88 ORTHO HEIGHT - 1282.804 (meters)      4208.67 (feet) ADJUSTED
PV0646-----
PV0646 GEOID HEIGHT      -      -14.207 (meters)                      GEOID12B
PV0646 DYNAMIC HEIGHT   -      1282.303 (meters)      4207.02 (feet) COMP
PV0646 MODELED GRAVITY  -      980,182.1 (mgal)                      NAVD 88
PV0646
PV0646 VERT ORDER      -  FIRST      CLASS II
PV0646
PV0646.The horizontal coordinates were scaled from a topographic map and have
PV0646.an estimated accuracy of +/- 6 seconds.
PV0646.
PV0646.The orthometric height was determined by differential leveling and
PV0646.adjusted by the NATIONAL GEODETIC SURVEY
PV0646.in September 1993.
PV0646
PV0646.Significant digits in the geoid height do not necessarily reflect accuracy.
PV0646.GEOID12B height accuracy estimate available here.
PV0646
PV0646.The dynamic height is computed by dividing the NAVD 88
PV0646.geopotential number by the normal gravity value computed on the
PV0646.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
PV0646.degrees latitude (g = 980.6199 gals.).
PV0646
PV0646.The modeled gravity was interpolated from observed gravity values.
PV0646
PV0646;                North      East      Units  Estimated Accuracy
PV0646;SPC WY E      -  419,080.      226,320.      MT  (+/- 180 meters Scaled)
PV0646
PV0646_U.S. NATIONAL GRID SPATIAL ADDRESS: 13TEK130021(NAD 83)
PV0646
PV0646                      SUPERSEDED SURVEY CONTROL
PV0646
PV0646.No superseded survey control is available for this station.
PV0646
PV0646_MARKER: DD = SURVEY DISK
PV0646_SETTING: 15 = METAL ROD DRIVEN INTO GROUND. SEE TEXT FOR ADDITIONAL
PV0646+WITH SETTING: INFORMATION.

```

PV0646_STAMPING: CRMS 12

PV0646_MARK LOGO: WYHD

PV0646_MAGNETIC: N = NO MAGNETIC MATERIAL

PV0646_STABILITY: D = MARK OF QUESTIONABLE OR UNKNOWN STABILITY

PV0646_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

PV0646+SATELLITE: SATELLITE OBSERVATIONS - August 28, 1991

PV0646

PV0646	HISTORY	- Date	Condition	Report By
PV0646	HISTORY	- UNK	MONUMENTED	WYHD
PV0646	HISTORY	- 19910828	GOOD	NGS

PV0646

PV0646 STATION DESCRIPTION

PV0646

PV0646'DESCRIBED BY NATIONAL GEODETIC SURVEY 1991

PV0646'10.8 KM (6.70 MI) EASTERLY ALONG INTERSTATE HIGHWAY 90 FROM ITS

PV0646'JUNCTION WITH U.S. HIGHWAY 16 (EXIT 153) IN MOORCROFT, 33.2 M (108.9

PV0646'FT) NORTH OF THE CENTERLINE OF THE WESTBOUND LANES OF THE HIGHWAY,

PV0646'2.2 M (7.2 FT) SOUTH OF A WITNESS POST AND FENCE, 0.3 M (1.0 FT)

PV0646'ABOVE THE LEVEL OF THE HIGHWAY, AND THE DISK PROJECTS 0.05 M (0.16

PV0646'FT) ABOVE THE GROUND SURFACE. NOTE--THE ROD DEPTH IS UNKNOWNWN.

*** retrieval complete.

Elapsed Time = 00:00:05

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.3

1 National Geodetic Survey, Retrieval Date = JULY 24, 2019

PV0655 *****

PV0655 DESIGNATION - CRMS 60

PV0655 PID - PV0655

PV0655 STATE/COUNTY- WY/CROOK

PV0655 COUNTRY - US

PV0655 USGS QUAD - PFEIFFER HILL (1984)

PV0655

PV0655 *CURRENT SURVEY CONTROL

PV0655

PV0655* NAD 83(1986) POSITION- 44 20 55. (N) 104 28 12. (W) SCALED

PV0655* [NAVD 88](#) ORTHO HEIGHT - 1475.550 (meters) 4841.03 (feet) ADJUSTED

PV0655

PV0655 GEOID HEIGHT - -13.667 (meters) GEOID12B

PV0655 DYNAMIC HEIGHT - 1474.940 (meters) 4839.03 (feet) COMP

PV0655 MODELED GRAVITY - 980,152.0 (mgal) NAVD 88

PV0655

PV0655 VERT ORDER - FIRST CLASS II

PV0655

PV0655.The horizontal coordinates were scaled from a topographic map and have
PV0655.an estimated accuracy of +/- 6 seconds.

PV0655.

PV0655.The orthometric height was determined by differential leveling and
PV0655.adjusted by the NATIONAL GEODETIC SURVEY

PV0655.in September 1993.

PV0655

PV0655.Significant digits in the geoid height do not necessarily reflect accuracy.

PV0655.GEOID12B height accuracy estimate available [here](#).

PV0655

PV0655.The dynamic height is computed by dividing the NAVD 88

PV0655.geopotential number by the normal gravity value computed on the

PV0655.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

PV0655.degrees latitude (g = 980.6199 gals.).

PV0655

PV0655.The modeled gravity was interpolated from observed gravity values.

PV0655

PV0655; North East Units Estimated Accuracy

PV0655;SPC WY E - 427,720. 255,550. MT (+/- 180 meters Scaled)

PV0655

PV0655_U.S. NATIONAL GRID SPATIAL ADDRESS: 13TEK422107(NAD 83)

PV0655

PV0655 SUPERSEDED SURVEY CONTROL

PV0655

PV0655.No superseded survey control is available for this station.

PV0655

PV0655_MARKER: DD = SURVEY DISK

PV0655_SETTING: 15 = METAL ROD DRIVEN INTO GROUND. SEE TEXT FOR ADDITIONAL

PV0655+WITH SETTING: INFORMATION.

PV0655_STAMPING: CRMS 60

PV0655_MARK LOGO: WYHD

PV0655_MAGNETIC: N = NO MAGNETIC MATERIAL

PV0655_STABILITY: D = MARK OF QUESTIONABLE OR UNKNOWN STABILITY

PV0655_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

PV0655+SATELLITE: SATELLITE OBSERVATIONS - August 28, 1991

PV0655

PV0655	HISTORY	- Date	Condition	Report By
PV0655	HISTORY	- UNK	MONUMENTED	WYHD
PV0655	HISTORY	- 19910828	GOOD	NGS

PV0655

PV0655 STATION DESCRIPTION

PV0655

PV0655'DESCRIBED BY NATIONAL GEODETIC SURVEY 1991

PV0655'11.0 KM (6.85 MI) WESTERLY ALONG INTERSTATE HIGHWAY 90 FROM THE

PV0655'JUNCTION OF STATE HIGHWAY 585 (EXIT 187) IN SUNDANCE, 36.6 M (120.1

PV0655'FT) NORTHWEST OF THE CENTERLINE OF THE WESTBOUND LANES OF THE

PV0655'HIGHWAY, 13.2 M (43.3 FT) SOUTHEAST OF A FENCE, 5.0 M (16.4 FT) ABOVE

PV0655'THE LEVEL OF THE HIGHWAY, 0.9 M (3.0 FT) EAST OF A METAL POST, AND

PV0655'THE DISK PROJECTS 0.03 M (0.10 FT) ABOVE THE GROUND SURFACE.

PV0655'NOTE--THE ROD DEPTH IS UNKNOWN.

*** retrieval complete.

Elapsed Time = 00:00:04

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.4

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1      National Geodetic Survey,  Retrieval Date = SEPTEMBER 25, 2019
PW0099 *****
PW0099 DESIGNATION - H 39
PW0099 PID - PW0099
PW0099 STATE/COUNTY- WY/JOHNSON
PW0099 COUNTRY - US
PW0099 USGS QUAD - T A RANCH (1970)
PW0099
PW0099 *CURRENT SURVEY CONTROL
PW0099
PW0099* NAD 83(1993) POSITION- 44 14 05.31276(N) 106 42 21.80817(W) ADJUSTED
PW0099* NAVD 88 ORTHO HEIGHT - 1615.180 (meters) 5299.14 (feet) ADJUSTED
PW0099
PW0099 GEOID HEIGHT - -12.293 (meters) GEOID18
PW0099 LAPLACE CORR - -25.91 (seconds) DEFLEC18
PW0099 DYNAMIC HEIGHT - 1614.373 (meters) 5296.49 (feet) COMP
PW0099 MODELED GRAVITY - 980,061.8 (mgal) NAVD 88
PW0099
PW0099 HORZ ORDER - THIRD
PW0099 VERT ORDER - SECOND CLASS 0
PW0099
PW0099.The horizontal coordinates were established by GPS observations
PW0099.and adjusted by the National Geodetic Survey in January 1997.
PW0099
PW0099.The orthometric height was determined by differential leveling and
PW0099.adjusted by the NATIONAL GEODETIC SURVEY
PW0099.in June 1991.
PW0099
PW0099.Significant digits in the geoid height do not necessarily reflect accuracy.
PW0099.GEOID18 height accuracy estimate available here.
PW0099
PW0099.Click here to see if photographs exist for this station.
PW0099
PW0099.The Laplace correction was computed from DEFLEC18 derived deflections.
PW0099
PW0099.The dynamic height is computed by dividing the NAVD 88
PW0099.geopotential number by the normal gravity value computed on the
PW0099.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
PW0099.degrees latitude (g = 980.6199 gals.).
PW0099
PW0099.The modeled gravity was interpolated from observed gravity values.
PW0099
PW0099. The following values were computed from the NAD 83(1993) position.
PW0099
PW0099; North East Units Scale Factor Converg.
PW0099;SPC WYEC - 515,029.749 450,109.433 MT 0.99996837 +0 26 15.3
PW0099;SPC WYEC - 1,689,726.77 1,476,734.03 sFT 0.99996837 +0 26 15.3

```

PW0099;UTM 13 - 4,899,368.326 363,758.358 MT 0.99982828 -1 11 25.2
 PW0099

PW0099! - Elev Factor x Scale Factor = Combined Factor

PW0099!SPC WYEC - 0.99974873 x 0.99996837 = 0.99971711

PW0099!UTM 13 - 0.99974873 x 0.99982828 = 0.99957705

PW0099

PW0099 U.S. NATIONAL GRID SPATIAL ADDRESS: 13TCJ6375899368 (NAD 83)

PW0099

PW0099 SUPERSEDED SURVEY CONTROL

PW0099

PW0099 NAD 83(1986)- 44 14 05.29500(N) 106 42 21.78227(W) AD() 3

PW0099 NGVD 29 1614.33 (m) 5296.3 (f) LEVELING 3

PW0099 NGVD 29 (??/??/92) 1614.325 (m) 5296.33 (f) ADJ UNCH 2 0

PW0099

PW0099.Superseded values are not recommended for survey control.

PW0099

PW0099.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

PW0099.See file [dsdata.pdf](#) to determine how the superseded data were derived.

PW0099

PW0099_MARKER: DB = BENCH MARK DISK

PW0099_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

PW0099_STAMPING: H 39 1934

PW0099_MARK LOGO: CGS

PW0099_MAGNETIC: N = NO MAGNETIC MATERIAL

PW0099_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

PW0099+STABILITY: SURFACE MOTION

PW0099_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

PW0099+SATELLITE: SATELLITE OBSERVATIONS - May 25, 2009

PW0099

HISTORY	Date	Condition	Report By
HISTORY	1934	MONUMENTED	CGS
HISTORY	19920817	GOOD	NGS
HISTORY	20090525	GOOD	GEOCAC

PW0099

PW0099 STATION DESCRIPTION

PW0099

PW0099'DESCRIBED BY COAST AND GEODETIC SURVEY 1934

PW0099'7.9 MI S FROM BUFFALO.

PW0099'7.9 MILES SOUTH ALONG U.S. HIGHWAY 87 FROM BUFFALO, JOHNSON COUNTY,

PW0099'112.5 FEET NORTHEAST OF THE CENTER OF THE INTERSECTION WITH THE DIRT

PW0099'CROSSROAD LEADING EAST, 107.0 FEET NORTHEAST OF THE CENTERLINE OF THE

PW0099'CROSSROAD, AND 88.6 FEET EAST OF THE CENTERLINE OF THE HIGHWAY. A

PW0099'STANDARD DISK, STAMPED H 39 1934 AND SET IN THE TOP OF A CONCRETE

PW0099'POST.

PW0099

PW0099 STATION RECOVERY (1992)

PW0099

PW0099'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1992

PW0099'STATION IS LOCATED ABOUT 11 KM (6.8 MI) SOUTH OF BUFFALO, IN THE

PW0099'NORTHEAST ANGLE OF THE JUNCTION OF STATE HIGHWAY 196 AND TRABING

PW0099'ROAD, ON HIGHWAY RIGHT-OF-WAY, IN A LARGE GRASSY AREA RECONFIGURED

PW0099'FROM OLD TO NEW ROAD JUNCTION. OWNERSHIP--WYOMING DEPARTMENT OF

PW0099'TRANSPORTATION.

PW0099'TO REACH FROM THE OVERPASS AT THE JUNCTION OF INTERSTATE HIGHWAY 25

PW0099'AND TRABING ROAD (EXIT 291), ABOUT 12 KM (7.5 MI) SOUTH OF BUFFALO,

PW0099'GO WEST ON TRABING ROAD FOR 1.77 KM (1.10 MI) TO A T-ROAD AND THE
PW0099'STATION ON THE RIGHT.
PW0099'STATION MARK IS SET IN THE TOP OF A 15 CM SQUARE CONCRETE POST
PW0099'PROJECTING 8 CM ABOVE GROUND. IT IS 26.3 M (86.3 FT) EAST OF AND 1.5
PW0099'M (4.9 FT) LOWER THAN THE HIGHWAY CENTER, 39.2 M (128.6 FT)
PW0099'NORTH-NORTHEAST OF THE CENTER OF TRABING ROAD, 12.7 M (41.7 FT)
PW0099'SOUTHWEST OF THE SOUTHWEST EDGE OF THE OLD HIGHWAY, 38.1 M (125.0 FT)
PW0099'WEST OF THE RIGHT-OF-WAY FENCE, 0.6 M (2.0 FT) NORTHWEST OF A
PW0099'FIBERGLASS WITNESS POST, AND 27.3 M (89.6 FT) NORTH-NORTHWEST OF
PW0099'THREE LARGE PIECES OF OLD HIGHWAY CONCRETE.
PW0099
PW0099 STATION RECOVERY (2009)
PW0099
PW0099'RECOVERY NOTE BY GEOCACHING 2009 (MEL)
PW0099'RECOVERED IN GOOD CONDITION.

*** retrieval complete.

Elapsed Time = 00:00:01

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.4

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1      National Geodetic Survey,   Retrieval Date = OCTOBER  2, 2019
QU0006 *****
QU0006 DESIGNATION - Y 209
QU0006 PID - QU0006
QU0006 STATE/COUNTY- MT/CARTER
QU0006 COUNTRY - US
QU0006 USGS QUAD - CAMP NEEDMORE (1993)
QU0006
QU0006 *CURRENT SURVEY CONTROL
QU0006
QU0006* NAD 83(1986) POSITION- 45 47 42.8 (N) 104 25 29.2 (W) HD_HELD2
QU0006* NAVD 88 ORTHO HEIGHT - 1027.324 (meters) 3370.48 (feet) ADJUSTED
QU0006
QU0006 GEOID HEIGHT - -16.136 (meters) GEOID18
QU0006 DYNAMIC HEIGHT - 1027.112 (meters) 3369.78 (feet) COMP
QU0006 MODELED GRAVITY - 980,374.8 (mgal) NAVD 88
QU0006
QU0006 VERT ORDER - SECOND CLASS 0
QU0006
QU0006.The horizontal coordinates were established by autonomous hand held GPS
QU0006.observations and have an estimated accuracy of +/- 10 meters.
QU0006.
QU0006.The orthometric height was determined by differential leveling and
QU0006.adjusted by the NATIONAL GEODETIC SURVEY
QU0006.in June 1991.
QU0006
QU0006.Significant digits in the geoid height do not necessarily reflect accuracy.
QU0006.GEOID18 height accuracy estimate available here.
QU0006
QU0006.Click here to see if photographs exist for this station.
QU0006
QU0006.The dynamic height is computed by dividing the NAVD 88
QU0006.geopotential number by the normal gravity value computed on the
QU0006.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
QU0006.degrees latitude (g = 980.6199 gals.).
QU0006
QU0006.The modeled gravity was interpolated from observed gravity values.
QU0006
QU0006; North East Units Estimated Accuracy
QU0006;SPC MT - 184,501. 994,164. MT (+/- 10 meters HH2 GPS)
QU0006
QU0006_U.S. NATIONAL GRID SPATIAL ADDRESS: 13TEL4470471456(NAD 83)
QU0006
QU0006 SUPERSEDED SURVEY CONTROL
QU0006
QU0006 NGVD 29 (??/??/92) 1026.715 (m) 3368.48 (f) ADJ UNCH 2 0
QU0006

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QU0006.Superseded values are not recommended for survey control.
 QU0006
 QU0006.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.
 QU0006.See file [dsdata.pdf](#) to determine how the superseded data were derived.
 QU0006
 QU0006_MARKER: DB = BENCH MARK DISK
 QU0006_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT
 QU0006_STAMPING: Y 209 1934
 QU0006_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO
 QU0006+STABILITY: SURFACE MOTION
 QU0006_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
 QU0006+SATELLITE: SATELLITE OBSERVATIONS - May 26, 2011
 QU0006

QU0006	HISTORY	- Date	Condition	Report By
QU0006	HISTORY	- 1934	MONUMENTED	CGS
QU0006	HISTORY	- 1974	GOOD	USGS
QU0006	HISTORY	- 20110526	GOOD	GEOCAC

 QU0006
 QU0006 STATION DESCRIPTION
 QU0006
 QU0006'DESCRIBED BY US GEOLOGICAL SURVEY 1974
 QU0006'9.9 MI SE FROM EKALAKA.
 QU0006'BM IS 9.9 MILES SOUTHEAST OF EKALAKA ON HIGHWAY 323 FROM THE
 QU0006'COURTHOUSE IN EKALAKA. BM IS IN THE BORROW PIT ON THE NORTH
 QU0006'SIDE OF A TURNOFF INTO A PASTURE ON THE WEST SIDE OF HIGHWAY.
 QU0006'A STANDARD DISK STAMPED Y 209 1934 AND SET IN THE TOP OF A
 QU0006'CONCRETE POST PROJECTING ABOUT 6 INCHES ABOVE GROUND.
 QU0006
 QU0006 STATION RECOVERY (2011)
 QU0006
 QU0006'RECOVERY NOTE BY GEOCACHING 2011 (MEL)
 QU0006'MARK IS 0.75 FT EAST OF A METAL WITNESS POST FROM WHICH THE TAG IS
 QU0006'MISSING.

 *** retrieval complete.
 Elapsed Time = 00:00:00

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.3

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1      National Geodetic Survey,   Retrieval Date = AUGUST  5, 2019
QU0061 *****
QU0061 DESIGNATION -   N 218 RESET
QU0061 PID          -   QU0061
QU0061 STATE/COUNTY- MT/CARTER
QU0061 COUNTRY      -   US
QU0061 USGS QUAD    -   HAMMOND (1970)
QU0061
QU0061                                *CURRENT SURVEY CONTROL
QU0061
QU0061* NAD 83(2011) POSITION- 45 13 22.22353(N) 104 54 07.14302(W) ADJUSTED
QU0061* NAD 83(2011) ELLIP HT- 1117.282 (meters) (06/27/12) ADJUSTED
QU0061* NAD 83(2011) EPOCH   - 2010.00
QU0061* NAVD 88 ORTHO HEIGHT - 1131.949 (meters) 3713.74 (feet) ADJUSTED
QU0061
QU0061 GEOID HEIGHT   -      -14.668 (meters) GEOID12B
QU0061 NAD 83(2011) X - -1,157,462.198 (meters) COMP
QU0061 NAD 83(2011) Y - -4,349,456.567 (meters) COMP
QU0061 NAD 83(2011) Z -  4,505,618.968 (meters) COMP
QU0061 LAPLACE CORR   -         0.48 (seconds) DEFLEC12B
QU0061 DYNAMIC HEIGHT -      1131.669 (meters) 3712.82 (feet) COMP
QU0061 MODELED GRAVITY -    980,329.6 (mgal) NAVD 88
QU0061
QU0061 VERT ORDER     -   FIRST      CLASS II
QU0061
QU0061 Network accuracy estimates per FGDC Geospatial Positioning Accuracy
QU0061 Standards:
QU0061          FGDC (95% conf, cm)      Standard deviation (cm)      CorrNE
QU0061          Horiz Ellip              SD_N   SD_E   SD_h      (unitless)
QU0061 -----
QU0061 NETWORK      1.39   4.25              0.65   0.45   2.17      -0.04385853
QU0061 -----
QU0061 Click here for local accuracies and other accuracy information.
QU0061
QU0061
QU0061.The horizontal coordinates were established by GPS observations
QU0061.and adjusted by the National Geodetic Survey in June 2012.
QU0061
QU0061.NAD 83(2011) refers to NAD 83 coordinates where the reference frame has
QU0061.been affixed to the stable North American tectonic plate. See
QU0061.NA2011 for more information.
QU0061
QU0061.The horizontal coordinates are valid at the epoch date displayed above
QU0061.which is a decimal equivalence of Year/Month/Day.
QU0061
QU0061.The orthometric height was determined by differential leveling and
QU0061.adjusted by the NATIONAL GEODETIC SURVEY

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QU0061.in July 1998.

QU0061

QU0061.Significant digits in the geoid height do not necessarily reflect accuracy.

QU0061.GEOID12B height accuracy estimate available [here](#).

QU0061

QU0061.The X, Y, and Z were computed from the position and the ellipsoidal ht.

QU0061

QU0061.The Laplace correction was computed from DEFLEC12B derived deflections.

QU0061

QU0061.The ellipsoidal height was determined by GPS observations

QU0061.and is referenced to NAD 83.

QU0061

QU0061.The dynamic height is computed by dividing the NAVD 88

QU0061.geopotential number by the normal gravity value computed on the

QU0061.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45

QU0061.degrees latitude (g = 980.6199 gals.).

QU0061

QU0061.The modeled gravity was interpolated from observed gravity values.

QU0061

QU0061. The following values were computed from the NAD 83(2011) position.

QU0061

QU0061;		North	East	Units	Scale Factor	Converg.
QU0061;SPC MT	-	118,723.319	960,877.936	MT	0.99987355	+3 21 48.5
QU0061;SPC MT	-	389,512.20	3,152,486.67	iFT	0.99987355	+3 21 48.5
QU0061;UTM 13	-	5,007,710.242	507,695.143	MT	0.99960073	+0 04 10.5

QU0061

QU0061! - Elev Factor x Scale Factor = Combined Factor

QU0061!SPC MT - 0.99982486 x 0.99987355 = 0.99969843

QU0061!UTM 13 - 0.99982486 x 0.99960073 = 0.99942566

QU0061

QU0061_U.S. NATIONAL GRID SPATIAL ADDRESS: 13TEL0769507710 (NAD 83)

QU0061

QU0061 SUPERSEDED SURVEY CONTROL

QU0061

QU0061	NAD 83(2007)-	45 13 22.22346(N)	104 54 07.14391(W)	AD(2002.00)	0
QU0061	ELLIP H (02/10/07)	1117.334 (m)		GP(2002.00)	
QU0061	ELLIP H (09/07/01)	1117.374 (m)		GP()	4 1
QU0061	NAD 83(1993)-	45 13 22.22253(N)	104 54 07.14347(W)	AD()	B
QU0061	ELLIP H (10/19/94)	1117.451 (m)		GP()	4 1
QU0061	NAVD 88 (10/07/14)	1131.908 (m)	3713.60 (f)	SUPERSEDED	3 0
QU0061	NAVD 88 (04/18/97)	1131.9 (m)	GEOID96 model used	GPS OBS	
QU0061	NAVD 88 (10/19/94)	1132.0 (m)	GEOID93 model used	GPS OBS	

QU0061

QU0061.Superseded values are not recommended for survey control.

QU0061

QU0061.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

QU0061.See file [dsdata.pdf](#) to determine how the superseded data were derived.

QU0061

QU0061_MARKER: DB = BENCH MARK DISK

QU0061_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

QU0061_STAMPING: N 218 RESET 1954

QU0061_MARK LOGO: CGS

QU0061_MAGNETIC: N = NO MAGNETIC MATERIAL

QU0061_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

QU0061+STABILITY: SURFACE MOTION

QU0061_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

QU0061+SATELLITE: SATELLITE OBSERVATIONS - August 30, 1996

QU0061

QU0061	HISTORY	- Date	Condition	Report By
QU0061	HISTORY	- 1954	MONUMENTED	MTSHC
QU0061	HISTORY	- 19931108	GOOD	MTSHC
QU0061	HISTORY	- 19950928	GOOD	NGS
QU0061	HISTORY	- 19960830	GOOD	NGS

QU0061

QU0061 STATION DESCRIPTION

QU0061

QU0061'DESCRIBED BY MONTANA STATE HIGHWAY COMMISSION 1954

QU0061'26.6 MI NW FROM HAMMOND.

QU0061'26.6 MILES NORTHWEST ALONG U.S. HIGHWAY 212 FROM ALZADA, CARTER

QU0061'COUNTY, AT HAMMOND, 1.6 MILES SOUTHEAST OF THE JUNCTION OF THE

QU0061'ROAD LEADING NORTH TO PINIELE, 0.4 MILE WEST OF THE JUNCTION

QU0061'OF THE ROAD LEADING NORTHEAST TO EKALAKA, AT THE TOP OF A

QU0061'SMALL KNOLL, 200 FEET SOUTH OF A POWERLINE, 82 FEET SOUTH OF THE

QU0061'CENTERLINE OF THE HIGHWAY, AND 2 FEET SOUTH OF THE RIGHT-OF-WAY

QU0061'FENCE. A STANDARD DISK, STAMPED N 218 RESET 1954 AND SET IN THE

QU0061'TOP OF A CONCRETE POST.

QU0061

QU0061 STATION RECOVERY (1993)

QU0061

QU0061'RECOVERY NOTE BY MONTANA STATE HIGHWAY COMMISSION 1993 (DRD)

QU0061'THE MARK WAS RESET BY THE MONTANA HIGHWAY COMMISSION IN 1954, AND WAS

QU0061'LEVELED TO BY THEM. THIS MARK DOES NOT APPEAR IN THE DATA BASE FOR

QU0061'NAVD88 BUT DOES APPEAR FOR THE NGVD 29 DATUM. DUE TO THIS AND OTHER

QU0061'CHANGES A NEW DESCRIPTION FOLLOWS. THE STATION IS LOCATED ABOUT 43 KM

QU0061'(26.70 MI) NORTHWEST OF ALZADA, 1.2 KM (0.75 MI) SOUTHEAST OF HAMMOND

QU0061'AND ALONG THE SOUTHWEST SIDE OF U.S. HIGHWAY 212. IT IS ON THE

QU0061'SOUTHEAST SIDE OF A SMALL KNOLL AND IS 0.5 KM (0.30 MI) NORTHWEST OF

QU0061'THE JUNCTION OF COUNTY ROAD 277 WHICH LEADS TO EKALAKA. TO REACH THE

QU0061'STATION FROM THE HAMMOND POST OFFICE, GO SOUTHEAST ON U.S. HIGHWAY 212

QU0061'FOR 1.21 KM (0.75 MI) TO THE STATION ON THE RIGHT. THE STATION MARK IS

QU0061'A STANDARD COAST AND GEODETIC SURVEY DISK SET IN THE TOP OF A CONCRETE

QU0061'MONUMENT. IT IS 25.0 M (82.0 FT) SOUTHEAST OF THE CENTER OF THE

QU0061'HIGHWAY AND 0.6 M (2.0 FT) SOUTHEAST OF A FENCE.

QU0061

QU0061 STATION RECOVERY (1995)

QU0061

QU0061'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1995 (RHK)

QU0061'1.2 KM (0.75 MI) SOUTHEASTERLY ALONG U.S. HIGHWAY 212 FROM THE POST

QU0061'OFFICE IN HAMMOND, 0.5 KM (0.30 MI) NORTHWEST OF THE INTERSECTION OF

QU0061'STATE HIGHWAY 277 LEADING NORTH TO EKALAKA, 23.7 M (77.8 FT) SOUTH OF

QU0061'THE HIGHWAY CENTERLINE, 0.9 M (3.0 FT) SOUTH OF A WITNESS POST AND

QU0061'FENCE, 0.5 M (1.6 FT) ABOVE THE LEVEL OF THE HIGHWAY, AND THE MONUMENT

QU0061'IS FLUSH WITH THE GROUND SURFACE.

QU0061

QU0061 STATION RECOVERY (1996)

QU0061

QU0061'RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1996 (DFC)

QU0061'THE STATION IS LOCATED ABOUT 43.0 KM (26.70 MI) NORTHWEST OF ALZADA

QU0061'AND 1.2 KM (0.75 MI) SOUTHEAST OF HAMMOND, ON U.S. HIGHWAY 212.

QU0061'OWNERSHIP--UNKNOWN. TO REACH THE STATION FROM THE POST OFFICE IN
QU0061'HAMMOND, GO SOUTHEAST ON U.S. HIGHWAY 212 FOR 1.21 KM (0.75 MI) TO THE
QU0061'STATION ON THE RIGHT, ON THE SOUTHEAST SIDE OF A SMALL KNOLL. THE
QU0061'STATION IS 0.5 MI (0.8 KM) NORTHWEST OF THE JUNCTION OF COUNTY ROAD
QU0061'277 LEADING TO EKALAKA, 25.0 M (82.0 FT) SOUTHEAST OF THE HIGHWAY
QU0061'CENTERLINE, AND 0.6 M (2.0 FT) SOUTHEAST OF A FENCE.

*** retrieval complete.
Elapsed Time = 00:00:05

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.3

```

1      National Geodetic Survey,   Retrieval Date = AUGUST  5, 2019
QU0081 *****
QU0081 DESIGNATION -   G 206
QU0081 PID          -   QU0081
QU0081 STATE/COUNTY-  MT/CARTER
QU0081 COUNTRY      -   US
QU0081 USGS QUAD    -   EKALAKA (1993)
QU0081
QU0081                                *CURRENT SURVEY CONTROL
QU0081
QU0081* NAD 83(1986) POSITION- 45 56 28.63   (N) 104 37 13.13   (W)  HD_HELD1
QU0081* NAVD 88 ORTHO HEIGHT - 1034.660 (meters)      3394.55   (feet) ADJUSTED
QU0081
QU0081 GEOID HEIGHT   -          -15.968 (meters)                GEOID12B
QU0081 DYNAMIC HEIGHT -          1034.474 (meters)      3393.94   (feet) COMP
QU0081 MODELED GRAVITY -          980,399.9   (mgal)                NAVD 88
QU0081
QU0081 VERT ORDER    -   SECOND   CLASS 0
QU0081
QU0081.The horizontal coordinates were determined by differentially corrected
QU0081.hand held GPS observations or other comparable positioning techniques
QU0081.and have an estimated accuracy of +/- 3 meters.
QU0081.
QU0081.The orthometric height was determined by differential leveling and
QU0081.adjusted by the NATIONAL GEODETIC SURVEY
QU0081.in June 1991.
QU0081
QU0081.Significant digits in the geoid height do not necessarily reflect accuracy.
QU0081.GEOID12B height accuracy estimate available here.
QU0081
QU0081.Photographs are available for this station.
QU0081
QU0081.The dynamic height is computed by dividing the NAVD 88
QU0081.geopotential number by the normal gravity value computed on the
QU0081.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
QU0081.degrees latitude (g = 980.6199 gals.).
QU0081
QU0081.The modeled gravity was interpolated from observed gravity values.
QU0081
QU0081;
QU0081;SPC MT          -          North          East          Units  Estimated Accuracy
QU0081;                -   199,732.9          977,987.2          MT   (+/- 3 meters HH1 GPS)
QU0081
QU0081_U.S. NATIONAL GRID SPATIAL ADDRESS: 13TEL2943187594(NAD 83)
QU0081
QU0081                                SUPERSEDED SURVEY CONTROL
QU0081
QU0081 NGVD 29 (??/??/92) 1034.055   (m)                3392.56   (f) ADJ UNCH   2 0

```


The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.3

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1      National Geodetic Survey,  Retrieval Date = AUGUST  5, 2019
QU0084 *****
QU0084 DESIGNATION -  Q 209
QU0084 PID          -  QU0084
QU0084 STATE/COUNTY-  MT/CARTER
QU0084 COUNTRY      -  US
QU0084 USGS QUAD    -  EKALAKA (1993)
QU0084
QU0084                      *CURRENT SURVEY CONTROL
QU0084
QU0084* NAD 83(1986) POSITION- 45 56 47.4      (N) 104 30 53.8      (W)  HD_HELD2
QU0084* NAVD 88 ORTHO HEIGHT - 1011.676 (meters)      3319.14      (feet) ADJUSTED
QU0084
QU0084 GEOID HEIGHT      -      -16.011 (meters)                      GEOID12B
QU0084 DYNAMIC HEIGHT   -      1011.489 (meters)      3318.53      (feet) COMP
QU0084 MODELED GRAVITY  -      980,396.0      (mgal)                      NAVD 88
QU0084
QU0084 VERT ORDER       -  SECOND      CLASS 0
QU0084
QU0084.The horizontal coordinates were established by autonomous hand held GPS
QU0084.observations and have an estimated accuracy of +/- 10 meters.
QU0084.
QU0084.The orthometric height was determined by differential leveling and
QU0084.adjusted by the NATIONAL GEODETIC SURVEY
QU0084.in June 1991.
QU0084
QU0084.Significant digits in the geoid height do not necessarily reflect accuracy.
QU0084.GEOID12B height accuracy estimate available here.
QU0084
QU0084.The dynamic height is computed by dividing the NAVD 88
QU0084.geopotential number by the normal gravity value computed on the
QU0084.Geodetic Reference System of 1980 (GRS 80) ellipsoid at 45
QU0084.degrees latitude (g = 980.6199 gals.).
QU0084
QU0084.The modeled gravity was interpolated from observed gravity values.
QU0084
QU0084;
QU0084;          North          East      Units  Estimated Accuracy
QU0084;SPC MT      -  200,825.      986,102.      MT  (+/- 10 meters HH2 GPS)
QU0084
QU0084_U.S. NATIONAL GRID SPATIAL ADDRESS: 13TEL3759588217(NAD 83)
QU0084
QU0084                      SUPERSEDED SURVEY CONTROL
QU0084
QU0084 NGVD 29 (??/??/92) 1011.063 (m)      3317.13      (f) ADJ UNCH      2 0
QU0084
QU0084.Superseded values are not recommended for survey control.
QU0084
QU0084.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

```

QU0084. See file [dsdata.pdf](#) to determine how the superseded data were derived.

QU0084

QU0084_MARKER: DB = BENCH MARK DISK

QU0084_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

QU0084_STAMPING: Q 209 1934

QU0084_STABILITY: C = MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO

QU0084+STABILITY: SURFACE MOTION

QU0084_SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR

QU0084+SATELLITE: SATELLITE OBSERVATIONS - May 19, 2009

QU0084

QU0084	HISTORY	- Date	Condition	Report By
QU0084	HISTORY	- 1934	MONUMENTED	CGS
QU0084	HISTORY	- 1973	GOOD	NGS
QU0084	HISTORY	- 20090519	GOOD	GEOCAC

QU0084 HISTORY

QU0084 HISTORY

QU0084 HISTORY

QU0084 HISTORY

QU0084

QU0084

QU0084

STATION DESCRIPTION

QU0084'DESCRIBED BY NATIONAL GEODETIC SURVEY 1973

QU0084'4.3 MI N FROM EKALAKA.

QU0084'3.95 MILES NORTH ALONG STATE HIGHWAY 7 FROM ITS JUNCTION WITH

QU0084'STATE HIGHWAY 323 IN EKALAKA, 0.1 MILE NORTH OF A SIDE ROAD,

QU0084'90 YARDS SOUTHWEST OF THE JUNCTION OF THE OLD HIGHWAY ROADBED

QU0084'AND STATE HIGHWAY 7, 136 FEET NORTHWEST OF THE CENTER OF S.H.

QU0084'7, 76 FEET EAST OF THE CENTER OF A NORTH-SOUTH FIELD ROAD,

QU0084'36 FEET NORTHWEST OF THE CENTER OF THE OLD HIGHWAY ROADBED,

QU0084'1 FOOT LOWER THAN THE HIGHWAY AND 1 FOOT SOUTHWEST OF A METAL

QU0084'WITNESS POST. A STANDARD DISK SET IN A 6-INCH SQUARE CONCRETE

QU0084'POST WHICH PROJECTS 1 INCH.

QU0084

QU0084

QU0084

STATION RECOVERY (2009)

QU0084'RECOVERY NOTE BY GEOCACHING 2009 (MEL)

QU0084'RECOVERED IN GOOD CONDITION.

*** retrieval complete.

Elapsed Time = 00:00:04

The NGS Data Sheet

See file [dsdata.pdf](#) for more information about the datasheet.

PROGRAM = datasheet95, VERSION = 8.12.5.3

1 National Geodetic Survey, Retrieval Date = AUGUST 7, 2019

QU0323 *****

QU0323 DESIGNATION - W BUTTE

QU0323 PID - QU0323

QU0323 STATE/COUNTY- MT/CARTER

QU0323 COUNTRY - US

QU0323 USGS QUAD - BELLE CREEK SOUTH (1970)

QU0323

QU0323 *CURRENT SURVEY CONTROL

QU0323

QU0323* NAD 83(1993) POSITION- 45 05 25.86284(N) 105 01 18.14688(W) ADJUSTED

QU0323* [NAVD 88](#) ORTHO HEIGHT - 1356.94 (+/-2cm) 4451.9 (feet) VERTCON

QU0323

QU0323 GEOID HEIGHT - -14.498 (meters) GEOID12B

QU0323 LAPLACE CORR - 2.91 (seconds) DEFLEC12B

QU0323 HORZ ORDER - FIRST

QU0323 VERT ORDER - THIRD ? (See Below)

QU0323

QU0323.The horizontal coordinates were established by classical geodetic methods

QU0323.and adjusted by the National Geodetic Survey in January 1997.

QU0323.

QU0323.The NAVD 88 height was computed by applying the VERTCON shift value to

QU0323.the NGVD 29 height (displayed under SUPERSEDED SURVEY CONTROL.)

QU0323

QU0323.Significant digits in the geoid height do not necessarily reflect accuracy.

QU0323.GEOID12B height accuracy estimate available [here](#).

QU0323

QU0323.The vertical order pertains to the NGVD 29 superseded value.

QU0323

QU0323.The Laplace correction was computed from DEFLEC12B derived deflections.

QU0323

QU0323. The following values were computed from the NAD 83(1993) position.

QU0323

QU0323;		North	East	Units	Scale Factor	Converg.
QU0323;SPC MT	-	103,498.605	952,332.024	MT	0.99994688	+3 16 33.2
QU0323;SPC MT	-	339,562.35	3,124,448.90	iFT	0.99994688	+3 16 33.2
QU0323;SPC WY E	-	509,933.423	211,410.850	MT	0.99993910	+0 06 09.6
QU0323;SPC WY E	-	1,673,006.57	693,603.76	sFT	0.99993910	+0 06 09.6
QU0323;UTM 13	-	4,993,006.051	498,291.816	MT	0.99960004	-0 00 55.3

QU0323

QU0323! - Elev Factor x Scale Factor = Combined Factor

QU0323!SPC MT - 0.99978957 x 0.99994688 = 0.99973646

QU0323!SPC WY E - 0.99978957 x 0.99993910 = 0.99972868

QU0323!UTM 13 - 0.99978957 x 0.99960004 = 0.99938969

QU0323

QU0323: Primary Azimuth Mark

Grid Az

QU0323:SPC MT - W BUTTE AZ MK 077 24 20.1

QU0323:SPC WY E - W BUTTE AZ MK 080 34 43.7

QU0323:UTM 13 - W BUTTE AZ MK 080 41 48.6

QU0323

QU0323_U.S. NATIONAL GRID SPATIAL ADDRESS: 13TDK9829193006(NAD 83)

QU0323

PID	Reference Object	Distance	Geod. Az
			dddmmss.s
QU0323 CQ8942	W BUTTE RM 2	19.511 METERS	00435
QU0323 CQ8940	W BUTTE AZ MK		0804053.3
QU0323 CQ8941	W BUTTE RM 1	28.678 METERS	09130

QU0323

QU0323 SUPERSEDED SURVEY CONTROL

QU0323

QU0323 NAD 83(1992)- 45 05 25.84831(N) 105 01 18.13327(W) AD() 1

QU0323 NAD 83(1986)- 45 05 25.84765(N) 105 01 18.13366(W) AD() 1

QU0323 NAD 27 - 45 05 25.90100(N) 105 01 16.20300(W) AD() 1

QU0323 NGVD 29 1356.29 (m) 4449.8 (f) LEVELING 3

QU0323

QU0323.Superseded values are not recommended for survey control.

QU0323

QU0323.NGS no longer adjusts projects to the NAD 27 or NGVD 29 datums.

QU0323.See file [dsdata.pdf](#) to determine how the superseded data were derived.

QU0323

QU0323_MARKER: DS = TRIANGULATION STATION DISK

QU0323_SETTING: 7 = SET IN TOP OF CONCRETE MONUMENT

QU0323

HISTORY	Date	Condition	Report By
QU0323	HISTORY - 1949	MONUMENTED	CGS
QU0323	HISTORY - 1963	GOOD	USFS

QU0323

QU0323 STATION DESCRIPTION

QU0323

QU0323'DESCRIBED BY COAST AND GEODETIC SURVEY 1949 (VRS)

QU0323'THE STATION IS LOCATED ON THE HIGHEST POINT OF A LARGE FLATTOPPED

QU0323'RIM ROCK BUTTE KNOWN LOCALLY AS THE W BUTTE, ABOUT 6 MILES

QU0323'NORTH OF THE WYOMING-MONTANA STATE LINE. 2.7 MILES NORTH OF

QU0323'THE RIDGE POST OFFICE, 1 MILE EAST OF THE POWDER RIVER-CARTER

QU0323'COUNTY LINE, AND ON LAND OWNED BY MR. EARL MALLEY.

QU0323'

QU0323'TO REACH THE STATION FROM THE RIDGE POST OFFICE, GO EASTERLY

QU0323'FOR 0.15 MILE TO A SIDE ROAD ON THE LEFT. TURN LEFT, NORTH,

QU0323'AND GO ON THE MAIN DIRT ROAD FOR 2.9 MILES TO A FORK. BEAR

QU0323'RIGHT FOR 0.5 MILE TO ANOTHER FORK. BEAR LEFT FOR 0.1 MILE

QU0323'TO A TRACK ROAD ON THE LEFT*, BEAR LEFT AND FOLLOW TRACK

QU0323'ROAD WESTERLY ALONG SLOPE OF HILL AND DUG WAY ROAD FOR 0.3

QU0323'MILE TO THE SUMMIT AND STATION.

QU0323'

QU0323'*TO REACH THE AZIMUTH MARK FROM THIS POINT, CONTINUE NORTHERLY

QU0323'ON THE MAIN DIRT ROAD FOR 0.65 MILE TO THE AZIMUTH MARK ON

QU0323'THE LEFT.

QU0323'

QU0323'THE STATION MARK IS A STANDARD DISK SET IN THE TOP OF A 10 X

QU0323'10-INCH CONCRETE POST. THE MARK PROJECTS 6 INCHES, AND THE

QU0323'DISK IS STAMPED W BUTTE 1949.

QU0323'

QU0323'REFERENCE MARK NO. 1 IS A STANDARD DISK SET IN OUTCROPPING
QU0323'BEDROCK, FLUSH WITH THE SURFACE, AND STAMPED W BUTTE NO 1
QU0323'1949.

QU0323'

QU0323'REFERENCE MARK NO. 2 IS A STANDARD DISK SET IN OUTCROPPING
QU0323'BEDROCK, FLUSH WITH THE SURFACE, AND STAMPED W BUTTE NO 2
QU0323'1949.

QU0323'

QU0323'THE AZIMUTH MARK IS 69 FEET WEST OF A GATE POST, 49 FEET NORTH
QU0323'OF THE APPROXIMATE CENTERLINE OF A DIRT ROAD, AND 4 FEET
QU0323'WEST OF A WITNESS POST. THE MARK IS A STANDARD DISK SET
QU0323'IN OUTCROPPING BEDROCK, FLUSH WITH THE SURFACE, AND STAMPED
QU0323'W BUTTE 1949.

QU0323

QU0323

STATION RECOVERY (1963)

QU0323

QU0323'RECOVERY NOTE BY US FOREST SERVICE 1963 (AWH)

QU0323'ALL MARKS FOUND AS DESCRIBED AND IN GOOD CONDITION.

*** retrieval complete.

Elapsed Time = 00:00:04

FILE: 100_88441630.19o OP1564677040314

NGS OPUS SOLUTION REPORT

=====

All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C669aa84962084ad6621a08d7169dd1ac%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637002739430038694&sdata=L7uN8rBP068mK9PL1EYzNmrDrF1gNCGFkZ1UlpPeZkE%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 01, 2019

RINEX FILE: 100_1630.19o TIME: 16:31:40 UTC

SOFTWARE: page5 1603.24 master74.pl 160321 START: 2019/06/12 14:52:00
 EPHEMERIS: igs20573.eph [precise] STOP: 2019/06/12 21:26:00
 NAV FILE: brdc1630.19n OBS USED: 16752 / 17166 : 98%
 ANT NAME: TRMR8_GNSS3 NONE # FIXED AMB: 69 / 70 : 99%
 ARP HEIGHT: 1.7038 OVERALL RMS: 0.013(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.4459)

X: -1224669.469(m) 0.003(m) -1224670.381(m) 0.003(m)
 Y: -4607423.156(m) 0.025(m) -4607421.859(m) 0.025(m)
 Z: 4225293.687(m) 0.015(m) 4225293.585(m) 0.015(m)

LAT: 41 44 28.44416 0.005(m) 41 44 28.46368 0.005(m)
 E LON: 255 6 53.14342 0.008(m) 255 6 53.09086 0.008(m)
 W LON: 104 53 6.85658 0.008(m) 104 53 6.90914 0.008(m)
 EL HGT: 1640.427(m) 0.028(m) 1639.599(m) 0.028(m)
 ORTHO HGT: 1655.312(m) 0.041(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4901 WY E)

Northing (Y) [meters]	4621052.799	137876.504
Easting (X) [meters]	509542.730	223409.358
Convergence [degrees]	0.07640556	0.18736667
Point Scale	0.99960112	0.99994424
Combined Factor	0.99934399	0.99968703

US NATIONAL GRID DESIGNATOR: 13TEG0954221052(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DL2742	COFC FORT COLLINS CORS ARP	N403536.107	W1050937.568	129584.9
DG6515	WYLC LARAMIE COUNTY CORS ARP	N410616.294	W1044631.293	71327.5
DO2064	WYRF CASPER 2 CORS ARP	N424950.364	W1061938.497	169714.2

NEAREST NGS PUBLISHED CONTROL POINT

MO0289 H 110 N414350.000 W1045254.000 1222.7

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 100_88441640.19o OP1564678994600

NGS OPUS SOLUTION REPORT

=====

All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7Ce63dad64ea59477ae65e08d716a252ee%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637002758742941759&msdata=R%2BkqKX0%2BA6CYBheepCer8qwMsVJyzoPCN2HD8%2FDfY%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 01, 2019

RINEX FILE: 100_164s.19o TIME: 17:03:53 UTC

SOFTWARE: page5 1603.24 master70.pl 160321 START: 2019/06/13 18:21:00
 EPHEMERIS: igs20574.eph [precise] STOP: 2019/06/13 21:31:00
 NAV FILE: brdc1640.19n OBS USED: 6683 / 6998 : 95%
 ANT NAME: TRMR8_GNSS3 NONE # FIXED AMB: 32 / 36 : 89%
 ARP HEIGHT: 1.7038 OVERALL RMS: 0.018(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.4489)

X: -1224669.471(m) 0.007(m) -1224670.383(m) 0.007(m)
 Y: -4607423.157(m) 0.028(m) -4607421.860(m) 0.028(m)
 Z: 4225293.696(m) 0.012(m) 4225293.594(m) 0.012(m)

LAT: 41 44 28.44434 0.010(m) 41 44 28.46389 0.010(m)
 E LON: 255 6 53.14334 0.004(m) 255 6 53.09078 0.004(m)
 W LON: 104 53 6.85666 0.004(m) 104 53 6.90922 0.004(m)
 EL HGT: 1640.434(m) 0.029(m) 1639.606(m) 0.029(m)
 ORTHO HGT: 1655.319(m) 0.041(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4901 WY E)

Northing (Y) [meters]	4621052.804	137876.510
Easting (X) [meters]	509542.728	223409.356
Convergence [degrees]	0.07640556	0.18736667
Point Scale	0.99960112	0.99994424
Combined Factor	0.99934399	0.99968702

US NATIONAL GRID DESIGNATOR: 13TEG0954221052(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DO2064	WYRF CASPER 2 CORS ARP	N424950.364	W1061938.497	169714.2
DL2742	COFC FORT COLLINS CORS ARP	N403536.107	W1050937.568	129584.9
DG6515	WYLC LARAMIE COUNTY CORS ARP	N410616.294	W1044631.293	71327.5

NEAREST NGS PUBLISHED CONTROL POINT

MO0289 H 110 N414350.000 W1045254.000 1222.7

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 100_88441780.19o OP1564679605611

NGS OPUS SOLUTION REPORT

=====

All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C5b87ce8803134872022908d716a3e8b4%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637002765548460773&sdata=%2FyARskWtQMFLDJOeGHkH6WFMHAOilNhJwaeTCYJy2qs%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 01, 2019

RINEX FILE: 100_178p.19o TIME: 17:15:10 UTC

SOFTWARE: page5 1603.24 master80.pl 160321 START: 2019/06/27 15:49:00
 EPHEMERIS: igs20594.eph [precise] STOP: 2019/06/27 21:44:00
 NAV FILE: brdc1780.19n OBS USED: 13336 / 13693 : 97%
 ANT NAME: TRMR8_GNSS3 NONE # FIXED AMB: 62 / 68 : 91%
 ARP HEIGHT: 1.6581 OVERALL RMS: 0.014(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.4871)

X: -1224669.470(m) 0.004(m) -1224670.382(m) 0.004(m)
 Y: -4607423.129(m) 0.014(m) -4607421.832(m) 0.014(m)
 Z: 4225293.657(m) 0.005(m) 4225293.555(m) 0.005(m)

LAT: 41 44 28.44402 0.013(m) 41 44 28.46353 0.013(m)
 E LON: 255 6 53.14306 0.002(m) 255 6 53.09050 0.002(m)
 W LON: 104 53 6.85694 0.002(m) 104 53 6.90950 0.002(m)
 EL HGT: 1640.388(m) 0.008(m) 1639.560(m) 0.008(m)
 ORTHO HGT: 1655.273(m) 0.030(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4901 WY E)

Northing (Y) [meters]	4621052.794	137876.500
Easting (X) [meters]	509542.722	223409.350
Convergence [degrees]	0.07640556	0.18736667
Point Scale	0.99960112	0.99994424
Combined Factor	0.99934400	0.99968703

US NATIONAL GRID DESIGNATOR: 13TEG0954221052(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DL2742	COFC FORT COLLINS CORS ARP	N403536.107	W1050937.568	129584.9
DH7223	NESC SCOTTS BLUFF CNTY CORS ARP	N414937.752	W1033939.720	102236.4
DH3858	P042 WHEATLAND_WY2004 CORS ARP	N420305.400	W1045438.096	34534.7

NEAREST NGS PUBLISHED CONTROL POINT

MO0289 H 110 N414350.000 W1045254.000 1222.7

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 100_88441790.19o OP1564679633259

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C6f37d61feb5044b35e5208d716a3edd6%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637002765634888998&sdata=9LST0riUz7vCIJ4cnGxL7gyvJuAr3l4BmyO6fKWN5h0%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 01, 2019

RINEX FILE: 100_179p.19o TIME: 17:15:21 UTC

SOFTWARE: page5 1603.24 master72.pl 160321 START: 2019/06/28 15:09:00
 EPHEMERIS: igs20595.eph [precise] STOP: 2019/06/28 17:12:00
 NAV FILE: brdc1790.19n OBS USED: 5879 / 6126 : 96%
 ANT NAME: TRMR8_GNSS3 NONE # FIXED AMB: 43 / 46 : 93%
 ARP HEIGHT: 1.6734 OVERALL RMS: 0.013(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.4895)

X: -1224669.473(m) 0.008(m) -1224670.385(m) 0.008(m)
 Y: -4607423.144(m) 0.013(m) -4607421.847(m) 0.013(m)
 Z: 4225293.677(m) 0.007(m) 4225293.575(m) 0.007(m)

LAT: 41 44 28.44416 0.011(m) 41 44 28.46368 0.011(m)
 E LON: 255 6 53.14309 0.012(m) 255 6 53.09057 0.012(m)
 W LON: 104 53 6.85691 0.012(m) 104 53 6.90943 0.012(m)
 EL HGT: 1640.413(m) 0.006(m) 1639.584(m) 0.006(m)
 ORTHO HGT: 1655.298(m) 0.030(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4901 WY E)

Northing (Y) [meters] 4621052.799 137876.504
 Easting (X) [meters] 509542.723 223409.351
 Convergence [degrees] 0.07640556 0.18736667
 Point Scale 0.99960112 0.99994424
 Combined Factor 0.99934400 0.99968703

US NATIONAL GRID DESIGNATOR: 13TEG0954221052(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DO2064	WYRF CASPER 2 CORS ARP	N424950.364	W1061938.497	169714.2
DH3858	P042 WHEATLAND_WY2004 CORS ARP	N420305.400	W1045438.096	34534.7
DG6515	WYLC LARAMIE COUNTY CORS ARP	N410616.294	W1044631.293	71327.5

NEAREST NGS PUBLISHED CONTROL POINT

MO0289 H 110 N414350.000 W1045254.000 1222.7

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 101_14131670.19o OP1564679765333

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C39d8e130d68043217bbe08d716a424dc%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637002766558342479&sdata=Aj3l9jC6Xq59QVsMjuV9PZ1tI3Noj6DSWqtHsczQxl0%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 01, 2019

RINEX FILE: 101_167q.19o TIME: 17:17:03 UTC

SOFTWARE: page5 1603.24 master78.pl 160321 START: 2019/06/16 16:42:00
 EPHEMERIS: igs20580.eph [precise] STOP: 2019/06/16 21:54:00
 NAV FILE: brdc1670.19n OBS USED: 11896 / 12248 : 97%
 ANT NAME: TRMR8-4 NONE # FIXED AMB: 76 / 77 : 99%
 ARP HEIGHT: 1.6551 OVERALL RMS: 0.015(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.4570)

X: -1156720.510(m) 0.009(m) -1156721.426(m) 0.009(m)
 Y: -4550373.285(m) 0.019(m) -4550371.995(m) 0.019(m)
 Z: 4304745.161(m) 0.024(m) 4304745.069(m) 0.024(m)

LAT: 42 42 29.48846 0.004(m) 42 42 29.50880 0.004(m)
 E LON: 255 44 14.31496 0.004(m) 255 44 14.26200 0.004(m)
 W LON: 104 15 45.68504 0.004(m) 104 15 45.73800 0.004(m)
 EL HGT: 1485.989(m) 0.031(m) 1485.174(m) 0.031(m)
 ORTHO HGT: 1500.917(m) 0.042(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4901 WY E)

Northing (Y) [meters]	4728674.274	245635.055
Easting (X) [meters]	560380.645	274054.589
Convergence [degrees]	0.50010556	0.61316389
Point Scale	0.99964485	1.00000495
Combined Factor	0.99941194	0.99977196

US NATIONAL GRID DESIGNATOR: 13TEH6038028674(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DP1963	SDRC RAPID CITY CORS ARP	N440457.973	W1031332.337	174327.1
DO2064	WYRF CASPER 2 CORS ARP	N424950.364	W1061938.497	169562.3
DI2251	P043 NEWCASTLE_WY2006 CORS ARP	N435252.101	W1041108.484	130490.7

NEAREST NGS PUBLISHED CONTROL POINT

NQ0018 A 311 N424229.871 W1041545.719 11.8

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 101_88441660.19o OP1564677208994

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7Cbfe8c416b34540bc1c6908d7169e318d%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637002741001207756&sdata=d2xfLXEM2TDYYZ4ovzAfDOcZye7gyNisJFyAzTFotcU%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 01, 2019

RINEX FILE: 101_166p.19o TIME: 16:34:27 UTC

SOFTWARE: page5 1603.24 master78.pl 160321 START: 2019/06/15 15:53:00
 EPHEMERIS: igs20576.eph [precise] STOP: 2019/06/15 22:14:00
 NAV FILE: brdc1660.19n OBS USED: 15162 / 15713 : 96%
 ANT NAME: TRMR8_GNSS3 NONE # FIXED AMB: 78 / 82 : 95%
 ARP HEIGHT: 1.7739 OVERALL RMS: 0.013(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.4542)

X: -1156720.503(m) 0.011(m) -1156721.419(m) 0.011(m)
 Y: -4550373.302(m) 0.028(m) -4550372.012(m) 0.028(m)
 Z: 4304745.169(m) 0.032(m) 4304745.077(m) 0.032(m)

LAT: 42 42 29.48832 0.009(m) 42 42 29.50866 0.009(m)
 E LON: 255 44 14.31546 0.007(m) 255 44 14.26247 0.007(m)
 W LON: 104 15 45.68454 0.007(m) 104 15 45.73753 0.007(m)
 EL HGT: 1486.005(m) 0.044(m) 1485.190(m) 0.044(m)
 ORTHO HGT: 1500.933(m) 0.053(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4901 WY E)

Northing (Y) [meters]	4728674.270	245635.050
Easting (X) [meters]	560380.656	274054.600
Convergence [degrees]	0.50010556	0.61316389
Point Scale	0.99964485	1.00000495
Combined Factor	0.99941194	0.99977195

US NATIONAL GRID DESIGNATOR: 13TEH6038028674(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DP1963	SDRC RAPID CITY CORS ARP	N440457.973	W1031332.337	174327.1
DO2064	WYRF CASPER 2 CORS ARP	N424950.364	W1061938.497	169562.3
DI2251	P043 NEWCASTLE_WY2006 CORS ARP	N435252.101	W1041108.484	130490.7

NEAREST NGS PUBLISHED CONTROL POINT

NQ0018 A 311 N424229.871 W1041545.719 11.8

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 102_88441770.19o OP1564681472743

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C4c6d2bfbd1214a37c07708d716a83d44%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637002784148257246&sdata=fc02ifyUbd%2FmWkB%2BJexyZveDvqfBqZme0qlmXVeJJK%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 01, 2019

RINEX FILE: 102_177t.19o TIME: 17:46:20 UTC

SOFTWARE: page5 1603.24 master53.pl 160321 START: 2019/06/26 19:10:00
 EPHEMERIS: igs20593.eph [precise] STOP: 2019/06/26 22:57:00
 NAV FILE: brdc1770.19n OBS USED: 7051 / 7452 : 95%
 ANT NAME: TRMR8_GNSS3 NONE # FIXED AMB: 33 / 35 : 94%
 ARP HEIGHT: 1.716 OVERALL RMS: 0.015(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.4846)

X: -1201377.831(m) 0.006(m) -1201378.746(m) 0.006(m)
 Y: -4573086.591(m) 0.008(m) -4573085.298(m) 0.008(m)
 Z: 4268288.753(m) 0.016(m) 4268288.656(m) 0.016(m)

LAT: 42 15 52.60050 0.007(m) 42 15 52.62037 0.007(m)
 E LON: 255 16 50.33356 0.008(m) 255 16 50.28060 0.008(m)
 W LON: 104 43 9.66644 0.008(m) 104 43 9.71940 0.008(m)
 EL HGT: 1320.271(m) 0.015(m) 1319.453(m) 0.015(m)
 ORTHO HGT: 1335.271(m) 0.033(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4901 WY E)

Northing (Y) [meters]	4679194.514	196064.688
Easting (X) [meters]	523146.084	236904.172
Convergence [degrees]	0.18875278	0.30084722
Point Scale	0.99960659	0.99995425
Combined Factor	0.99939965	0.99974724

US NATIONAL GRID DESIGNATOR: 13TEG2314679194(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DG6515	WYLC LARAMIE COUNTY CORS ARP	N410616.294	W1044631.293	128962.3
DO2064	WYRF CASPER 2 CORS ARP	N424950.364	W1061938.497	146307.6
DH3858	P042 WHEATLAND_WY2004 CORS ARP	N420305.400	W1045438.096	28468.9

NEAREST NGS PUBLISHED CONTROL POINT

NQ0176 Z 63 N421536.118 W1044304.634 521.5

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 103_14131770.19o OP1564681505080

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C907712aa35e3498f159808d716a859aa%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637002784634150258&sdata=dBX6KQyuzRi2Vs1M9V6Vg46DbyyNN8tCJIKYQtaL5%2BY%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 01, 2019

RINEX FILE: 103_177t.19o

TIME: 17:46:37 UTC

SOFTWARE: page5 1603.24 master56.pl 160321 START: 2019/06/26 19:59:00
 EPHEMERIS: igs20593.eph [precise] STOP: 2019/06/26 22:37:00
 NAV FILE: brdc1770.19n OBS USED: 4840 / 4990 : 97%
 ANT NAME: TRMR8-4 NONE # FIXED AMB: 32 / 32 : 100%
 ARP HEIGHT: 1.6459 OVERALL RMS: 0.015(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.4846)

X: -1225409.412(m) 0.004(m) -1225410.327(m) 0.004(m)
 Y: -4569267.914(m) 0.008(m) -4569266.622(m) 0.008(m)
 Z: 4265806.788(m) 0.015(m) 4265806.691(m) 0.015(m)

LAT: 42 13 59.15698 0.009(m) 42 13 59.17667 0.009(m)
 E LON: 254 59 14.60958 0.002(m) 254 59 14.55644 0.002(m)
 W LON: 105 0 45.39042 0.002(m) 105 0 45.44356 0.002(m)
 EL HGT: 1483.342(m) 0.014(m) 1482.529(m) 0.014(m)
 ORTHO HGT: 1497.346(m) 0.032(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4901 WY E)

Northing (Y) [meters]	4675657.562	192479.206
Easting (X) [meters]	498959.618	212716.359
Convergence [degrees]	-0.00847500	0.10355000
Point Scale	0.99960001	0.99993949
Combined Factor	0.99936751	0.99970691

US NATIONAL GRID DESIGNATOR: 13TDG9895975657(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DG6515	WYLC LARAMIE COUNTY CORS ARP	N410616.294	W1044631.293	126925.8
DO2064	WYRF CASPER 2 CORS ARP	N424950.364	W1061938.497	126808.7
DL2742	COFC FORT COLLINS CORS ARP	N403536.107	W1050937.568	182569.0

NEAREST NGS PUBLISHED CONTROL POINT

NQ0606 CALL N421433.941 W1050240.656 2852.5

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 104_88441791.19o OP1564672094982

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C59bb65e7d87c40d03bf708d7169242f4%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637002689752714465&sdata=g6OXdswV9uFguVC%2FNwjg%2FNLS9LtNgrG7rFCkNnMjGMU%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 01, 2019

RINEX FILE: 104_179s.19o TIME: 15:09:02 UTC

SOFTWARE: page5 1603.24 master94.pl 160321 START: 2019/06/28 18:00:00
 EPHEMERIS: igs20595.eph [precise] STOP: 2019/06/28 21:53:00
 NAV FILE: brdc1790.19n OBS USED: 8039 / 8235 : 98%
 ANT NAME: TRMR8_GNSS3 NONE # FIXED AMB: 34 / 35 : 97%
 ARP HEIGHT: 1.6977 OVERALL RMS: 0.014(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.4899)

X: -1243520.453(m) 0.004(m) -1243521.367(m) 0.004(m)
 Y: -4590020.013(m) 0.012(m) -4590018.718(m) 0.012(m)
 Z: 4238516.186(m) 0.022(m) 4238516.085(m) 0.022(m)

LAT: 41 54 5.35673 0.011(m) 41 54 5.37617 0.011(m)
 E LON: 254 50 29.02596 0.006(m) 254 50 28.97304 0.006(m)
 W LON: 105 9 30.97404 0.006(m) 105 9 31.02696 0.006(m)
 EL HGT: 1572.356(m) 0.023(m) 1571.536(m) 0.023(m)
 ORTHO HGT: 1585.483(m) 0.037(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4901 WY E)

Northing (Y) [meters]	4638850.803	155636.472
Easting (X) [meters]	486844.561	200668.994
Convergence [degrees]	-0.10592500	0.00538611
Point Scale	0.99960213	0.99993751
Combined Factor	0.99935567	0.99969097

US NATIONAL GRID DESIGNATOR: 13TDG8684438850(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DL2742	COFC FORT COLLINS CORS ARP	N403536.107	W1050937.568	145311.7
DG6515	WYLC LARAMIE COUNTY CORS ARP	N410616.294	W1044631.293	94143.9
DO2064	WYRF CASPER 2 CORS ARP	N424950.364	W1061938.497	141174.1

NEAREST NGS PUBLISHED CONTROL POINT

MO0371 K 166 N415402.000 W1050945.000 339.5

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 104_88441800.19o OP1564672058526

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C38954968abbd4cc3af2a08d7169226d9%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637002689280075904&sdata=Oz3Ey4Tdp7dlKRbW2YRZVqltvoEXHcYJp0ZbUsZ%2Bis%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 01, 2019

RINEX FILE: 104_180p.19o TIME: 15:08:13 UTC

SOFTWARE: page5 1603.24 master78.pl 160321 START: 2019/06/29 15:08:00
 EPHEMERIS: igs20596.eph [precise] STOP: 2019/06/29 21:59:00
 NAV FILE: brdc1800.19n OBS USED: 15846 / 16106 : 98%
 ANT NAME: TRMR8_GNSS3 NONE # FIXED AMB: 54 / 58 : 93%
 ARP HEIGHT: 1.716 OVERALL RMS: 0.015(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.4925)

X: -1243520.451(m) 0.010(m) -1243521.365(m) 0.010(m)
 Y: -4590019.993(m) 0.013(m) -4590018.698(m) 0.013(m)
 Z: 4238516.173(m) 0.021(m) 4238516.072(m) 0.021(m)

LAT: 41 54 5.35684 0.011(m) 41 54 5.37628 0.011(m)
 E LON: 254 50 29.02582 0.006(m) 254 50 28.97290 0.006(m)
 W LON: 105 9 30.97418 0.006(m) 105 9 31.02710 0.006(m)
 EL HGT: 1572.333(m) 0.024(m) 1571.513(m) 0.024(m)
 ORTHO HGT: 1585.460(m) 0.038(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4901 WY E)

Northing (Y) [meters]	4638850.806	155636.476
Easting (X) [meters]	486844.557	200668.991
Convergence [degrees]	-0.10592500	0.00538333
Point Scale	0.99960213	0.99993751
Combined Factor	0.99935568	0.99969098

US NATIONAL GRID DESIGNATOR: 13TDG8684438850(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DG6515	WYLC LARAMIE COUNTY CORS ARP	N410616.294	W1044631.293	94143.9
DO2064	WYRF CASPER 2 CORS ARP	N424950.364	W1061938.497	141174.0
DH7223	NECS SCOTTS BLUFF CNTY CORS ARP	N414937.752	W1033939.720	124635.8

NEAREST NGS PUBLISHED CONTROL POINT

MO0371 K 166 N415402.000 W1050945.000 339.5

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 105_83271993.19o OP1570043113004

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C9c2493e82e424c0b065008d7476ba051%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637056399893810348&sdata=MJXS4q0Jdb5kXHq3biuudJ8osteGR2nDH3QVxNO%2B3BY%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: October 02, 2019

RINEX FILE: 105_199p.19o TIME: 19:06:15 UTC

SOFTWARE: page5 1801.18 master92.pl 160321 START: 2019/07/18 15:37:00
 EPHEMERIS: igs20624.eph [precise] STOP: 2019/07/18 22:34:00
 NAV FILE: brdc1990.19n OBS USED: 15130 / 16138 : 94%
 ANT NAME: TRMR8_GNSS3 NONE # FIXED AMB: 66 / 73 : 90%
 ARP HEIGHT: 2.000 OVERALL RMS: 0.015(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2019.5446)

X: -1177811.075(m) 0.005(m) -1177811.996(m) 0.005(m)
 Y: -4517761.708(m) 0.004(m) -4517760.423(m) 0.004(m)
 Z: 4332881.579(m) 0.005(m) 4332881.487(m) 0.005(m)

LAT: 43 3 17.81867 0.006(m) 43 3 17.83883 0.006(m)
 E LON: 255 23 16.29373 0.004(m) 255 23 16.24006 0.004(m)
 W LON: 104 36 43.70627 0.004(m) 104 36 43.75994 0.004(m)
 EL HGT: 1343.554(m) 0.004(m) 1342.752(m) 0.004(m)
 ORTHO HGT: 1358.614(m) 0.044(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4901 WY E)

Northing (Y) [meters] 4766989.875 283907.172
 Easting (X) [meters] 531585.608 245173.501
 Convergence [degrees] 0.26479444 0.37858056
 Point Scale 0.99961227 0.99996259
 Combined Factor 0.99940170 0.99975194

US NATIONAL GRID DESIGNATOR: 13TEH3158566989(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DH3858	P042 WHEATLAND_WY2004 CORS ARP	N420305.400	W1045438.096	114153.3
DI2251	P043 NEWCASTLE_WY2006 CORS ARP	N435252.101	W1041108.484	98084.0
DP1963	SDRC RAPID CITY CORS ARP	N440457.973	W1031332.337	159977.1

NEAREST NGS PUBLISHED CONTROL POINT

OU0133 K 100 N430422.000 W1043214.000 6415.9

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 106_83272000.19o OP1570043142753

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7Cf23b7d3c684e43e2993508d7476bae0d%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637056400117091205&sdata=UVHwewf5qPtU8uH3F%2FGOMvuiLklamd0Kg%2FArp26FczA%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: October 02, 2019

RINEX FILE: 106_200o.19o TIME: 19:06:40 UTC

SOFTWARE: page5 1801.18 master53.pl 160321 START: 2019/07/19 14:35:00
 EPHEMERIS: igs20625.eph [precise] STOP: 2019/07/19 22:03:00
 NAV FILE: brdc2000.19n OBS USED: 15300 / 16056 : 95%
 ANT NAME: TRMR8_GNSS3 NONE # FIXED AMB: 85 / 88 : 97%
 ARP HEIGHT: 2.000 OVERALL RMS: 0.015(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2019.5473)

X: -1175232.314(m) 0.003(m) -1175233.236(m) 0.003(m)
 Y: -4504645.075(m) 0.002(m) -4504643.792(m) 0.002(m)
 Z: 4346925.750(m) 0.004(m) 4346925.660(m) 0.004(m)

LAT: 43 13 45.41639 0.003(m) 43 13 45.43666 0.003(m)
 E LON: 255 22 40.24445 0.004(m) 255 22 40.19056 0.004(m)
 W LON: 104 37 19.75555 0.004(m) 104 37 19.80944 0.004(m)
 EL HGT: 1211.347(m) 0.002(m) 1210.550(m) 0.002(m)
 ORTHO HGT: 1226.783(m) 0.048(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4901 WY E)

Northing (Y) [meters] 4786346.015 303268.258
 Easting (X) [meters] 530682.831 244231.893
 Convergence [degrees] 0.25879722 0.37295278
 Point Scale 0.99961158 0.99996156
 Combined Factor 0.99942173 0.99977164

US NATIONAL GRID DESIGNATOR: 13TEH3068286346(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DH3858	P042 WHEATLAND_WY2004 CORS ARP	N420305.400	W1045438.096	132981.1
DI2251	P043 NEWCASTLE_WY2006 CORS ARP	N435252.101	W1041108.484	80571.0
DP1963	SDRC RAPID CITY CORS ARP	N440457.973	W1031332.337	147269.7

NEAREST NGS PUBLISHED CONTROL POINT

OU0150 X 100 N431508.000 W1043435.000 4506.9

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 107_83272011.19o OP1570043171787

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C04c315e807d342f1e5f708d7476bb4d5%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637056400229539411&sdata=Fno%2FW2SmtXFEQHOkbi8NgTNBlmNSA%2BQBGfcMgvP1dEU%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: October 02, 2019

RINEX FILE: 107_2010.19o TIME: 19:06:50 UTC

SOFTWARE: page5 1801.18 master73.pl 160321 START: 2019/07/20 14:03:00
 EPHEMERIS: igs20626.eph [precise] STOP: 2019/07/20 16:19:00
 NAV FILE: brdc2010.19n OBS USED: 6478 / 6708 : 97%
 ANT NAME: TRMR8_GNSS3 NONE # FIXED AMB: 50 / 52 : 96%
 ARP HEIGHT: 2.000 OVERALL RMS: 0.015(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2019.5497)

X: -1135275.551(m) 0.004(m) -1135276.475(m) 0.004(m)
 Y: -4488502.122(m) 0.018(m) -4488500.841(m) 0.018(m)
 Z: 4373886.732(m) 0.007(m) 4373886.646(m) 0.007(m)

LAT: 43 33 49.40140 0.006(m) 43 33 49.42206 0.006(m)
 E LON: 255 48 21.16703 0.009(m) 255 48 21.11314 0.009(m)
 W LON: 104 11 38.83297 0.009(m) 104 11 38.88686 0.009(m)
 EL HGT: 1149.495(m) 0.016(m) 1148.700(m) 0.016(m)
 ORTHO HGT: 1164.383(m) 0.041(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4901 WY E)

Northing (Y) [meters]	4823733.769	340738.017
Easting (X) [meters]	565082.358	278568.837
Convergence [degrees]	0.55540000	0.67027500
Point Scale	0.99965210	1.00001340
Combined Factor	0.99947194	0.99983317

US NATIONAL GRID DESIGNATOR: 13TEJ6508223733(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DO2064	WYRF CASPER 2 CORS ARP	N424950.364	W1061938.497	191590.3
DP1963	SDRC RAPID CITY CORS ARP	N440457.973	W1031332.337	96944.7
DH3858	P042 WHEATLAND_WY2004 CORS ARP	N420305.400	W1045438.096	177947.9

NEAREST NGS PUBLISHED CONTROL POINT

OU0361 U 362 N433340.000 W1040628.000 6981.9

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 108_83272012.19o OP1570043195204

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C70dd297a7f904237436c08d7476bc835%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637056400562949878&sdata=wlcOpPobrsxpD%2Bk2GqvKHey6uCMYVYmspCeScJhLeK4%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: October 02, 2019

RINEX FILE: 108_201r.19o TIME: 19:07:24 UTC

SOFTWARE: page5 1801.18 master81.pl 160321 START: 2019/07/20 17:58:00
 EPHEMERIS: igs20626.eph [precise] STOP: 2019/07/20 23:19:00
 NAV FILE: brdc2010.19n OBS USED: 12418 / 12584 : 99%
 ANT NAME: TRMR8_GNSS3 NONE # FIXED AMB: 59 / 65 : 91%
 ARP HEIGHT: 2.000 OVERALL RMS: 0.013(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2019.5503)

X: -1167093.104(m) 0.002(m) -1167094.029(m) 0.002(m)
 Y: -4461683.021(m) 0.009(m) -4461681.744(m) 0.009(m)
 Z: 4392996.397(m) 0.003(m) 4392996.313(m) 0.003(m)

LAT: 43 48 0.87149 0.007(m) 43 48 0.89197 0.007(m)
 E LON: 255 20 27.41449 0.003(m) 255 20 27.36002 0.003(m)
 W LON: 104 39 32.58551 0.003(m) 104 39 32.63998 0.003(m)
 EL HGT: 1296.679(m) 0.005(m) 1295.898(m) 0.005(m)
 ORTHO HGT: 1311.640(m) 0.049(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4901 WY E)

Northing (Y) [meters]	4849743.040	366680.789
Easting (X) [meters]	527426.793	240847.698
Convergence [degrees]	0.23598889	0.35135000
Point Scale	0.99960925	0.99995802
Combined Factor	0.99940604	0.99975474

US NATIONAL GRID DESIGNATOR: 13TEJ2742649743(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DH3858	P042 WHEATLAND_WY2004 CORS ARP	N420305.400	W1045438.096	195386.1
DP1963	SDRC RAPID CITY CORS ARP	N440457.973	W1031332.337	119303.6
DI2251	P043 NEWCASTLE_WY2006 CORS ARP	N435252.101	W1041108.484	39123.6

NEAREST NGS PUBLISHED CONTROL POINT

AA2133 1 JM N434418.983 W1043700.535 7646.1

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 109_83272022.19o OP1570043230814

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C26d2b988b4a545bec5008d7476be502%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637056401034268008&data=xddMOMRrQ%2FtarlH%2FO7x5PwXXStCURCMuCROXkmGnJY%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: October 02, 2019

RINEX FILE: 109_202u.19o TIME: 19:08:13 UTC

SOFTWARE: page5 1801.18 master50.pl 160321 START: 2019/07/21 20:13:00
 EPHEMERIS: igs20630.eph [precise] STOP: 2019/07/21 23:24:00
 NAV FILE: brdc2020.19n OBS USED: 7115 / 7299 : 97%
 ANT NAME: TRMR8_GNSS3 NONE # FIXED AMB: 40 / 44 : 91%
 ARP HEIGHT: 2.000 OVERALL RMS: 0.019(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2019.5532)

X: -1169911.611(m) 0.006(m) -1169912.538(m) 0.006(m)
 Y: -4443764.217(m) 0.013(m) -4443762.943(m) 0.013(m)
 Z: 4410383.041(m) 0.019(m) 4410382.959(m) 0.019(m)

LAT: 44 0 59.92866 0.010(m) 44 0 59.94914 0.010(m)
 E LON: 255 15 1.47028 0.007(m) 255 15 1.41548 0.007(m)
 W LON: 104 44 58.52972 0.007(m) 104 44 58.58452 0.007(m)
 EL HGT: 1383.103(m) 0.019(m) 1382.330(m) 0.019(m)
 ORTHO HGT: 1397.537(m) 0.051(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4901 WY E)

Northing (Y) [meters]	4873752.249	390683.451
Easting (X) [meters]	520070.660	233440.570
Convergence [degrees]	0.17400000	0.28981389
Point Scale	0.99960495	0.99995125
Combined Factor	0.99938821	0.99973443

US NATIONAL GRID DESIGNATOR: 13TEJ2007073752(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DO2064	WYRF CASPER 2 CORS ARP	N424950.364	W1061938.497	183567.3
DP1963	SDRC RAPID CITY CORS ARP	N440457.973	W1031332.337	122368.0
DH3858	P042 WHEATLAND_WY2004 CORS ARP	N420305.400	W1045438.096	218746.1

NEAREST NGS PUBLISHED CONTROL POINT

OU0383 SODA N435930.526 W1044438.605 2794.8

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 110_83272030.19o OP1566415968166

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C4ed5ab4ab5394d4a750c08d7266edd7b%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637020129913375630&sdata=BnfrA7vZaH78TXZft3JMc6266JAyPlp7kA91X6bEcBs%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 21, 2019

RINEX FILE: 110_203n.19o TIME: 19:35:52 UTC

SOFTWARE: page5 1603.24 master80.pl 160321 START: 2019/07/22 13:58:00
 EPHEMERIS: igs20631.eph [precise] STOP: 2019/07/22 16:58:00
 NAV FILE: brdc2030.19n OBS USED: 7574 / 7842 : 97%
 ANT NAME: TRMR8_GNSS3 NONE # FIXED AMB: 46 / 46 : 100%
 ARP HEIGHT: 2.0000 OVERALL RMS: 0.013(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.5552)

X: -1151427.340(m) 0.008(m) -1151428.265(m) 0.008(m)
 Y: -4448957.174(m) 0.029(m) -4448955.898(m) 0.029(m)
 Z: 4409813.598(m) 0.031(m) 4409813.518(m) 0.031(m)

LAT: 44 0 38.65169 0.008(m) 44 0 38.67242 0.008(m)
 E LON: 255 29 23.11696 0.002(m) 255 29 23.06242 0.002(m)
 W LON: 104 30 36.88304 0.002(m) 104 30 36.93758 0.002(m)
 EL HGT: 1243.413(m) 0.043(m) 1242.636(m) 0.043(m)
 ORTHO HGT: 1257.637(m) 0.052(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4901 WY E)

Northing (Y) [meters]	4873181.909	390151.711
Easting (X) [meters]	539258.584	252636.316
Convergence [degrees]	0.34028333	0.45608889
Point Scale	0.99961896	0.99997156
Combined Factor	0.99942410	0.99977663

US NATIONAL GRID DESIGNATOR: 13TEJ3925873181(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DO2064	WYRF CASPER 2 CORS ARP	N424950.364	W1061938.497	197115.8
DP1963	SDRC RAPID CITY CORS ARP	N440457.973	W1031332.337	103278.4
DI2251	P043 NEWCASTLE_WY2006 CORS ARP	N435252.101	W1041108.484	29776.7

NEAREST NGS PUBLISHED CONTROL POINT

PV0441 L 361 N440054.000 W1043109.000 858.0

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 112_83272033.19o OP1566412703832

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C58ddd350a29c43f34e8c08d726671620%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637020096502413264&sdata=2o5QuJ4aZQZZ1bqE978zMzTnYNDawZaq%2BDAY2F%2FRWBw%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 21, 2019

RINEX FILE: 112_203s.19o TIME: 18:40:10 UTC

SOFTWARE: page5 1603.24 master74.pl 160321 START: 2019/07/22 18:24:00
 EPHEMERIS: igs20631.eph [precise] STOP: 2019/07/22 23:45:00
 NAV FILE: brdc2030.19n OBS USED: 11979 / 12555 : 95%
 ANT NAME: TRMR8_GNSS3 NONE # FIXED AMB: 55 / 64 : 86%
 ARP HEIGHT: 2.0000 OVERALL RMS: 0.015(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.5558)

X: -1121996.261(m) 0.004(m) -1121997.186(m) 0.004(m)
 Y: -4450697.422(m) 0.030(m) -4450696.145(m) 0.030(m)
 Z: 4416359.767(m) 0.023(m) 4416359.689(m) 0.023(m)

LAT: 44 5 17.13199 0.011(m) 44 5 17.15302 0.011(m)
 E LON: 255 51 3.11922 0.003(m) 255 51 3.06490 0.003(m)
 W LON: 104 8 56.88078 0.003(m) 104 8 56.93510 0.003(m)
 EL HGT: 1771.209(m) 0.038(m) 1770.428(m) 0.038(m)
 ORTHO HGT: 1784.354(m) 0.048(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4901 WY E)

Northing (Y) [meters] 4882009.041 399040.371
 Easting (X) [meters] 568116.530 281486.659
 Convergence [degrees] 0.59202500 0.70800000
 Point Scale 0.99965706 1.00001914
 Combined Factor 0.99937950 0.99974148

US NATIONAL GRID DESIGNATOR: 13TEJ6811682009(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DP1963	SDRC RAPID CITY CORS ARP	N440457.973	W1031332.337	73984.5
DO2064	WYRF CASPER 2 CORS ARP	N424950.364	W1061938.497	224964.6
DH3858	P042 WHEATLAND_WY2004 CORS ARP	N420305.400	W1045438.096	234642.2

NEAREST NGS PUBLISHED CONTROL POINT

PV0077 M 62 RESET N440504.000 W1040804.000 1244.3

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 113_83272040.19o OP1566412607917

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C7a3ccfd5d85459ee84208d72666c3c3%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637020095121420659&sdata=Mrr20ttWlsJ%2BkQxLe%2Bc6Y0AsOP0%2FEzTxvQWN3olQMqY%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 21, 2019

RINEX FILE: 113_204n.19o TIME: 18:37:43 UTC

SOFTWARE: page5 1603.24 master71.pl 160321 START: 2019/07/23 13:48:00
 EPHEMERIS: igs20632.eph [precise] STOP: 2019/07/23 16:53:00
 NAV FILE: brdc2040.19n OBS USED: 7674 / 8088 : 95%
 ANT NAME: TRMR8_GNSS3 NONE # FIXED AMB: 43 / 46 : 93%
 ARP HEIGHT: 2.0000 OVERALL RMS: 0.011(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.5579)

X: -1129171.013(m) 0.014(m) -1129171.939(m) 0.014(m)
 Y: -4438901.015(m) 0.012(m) -4438899.740(m) 0.012(m)
 Z: 4426023.679(m) 0.008(m) 4426023.602(m) 0.008(m)

LAT: 44 12 39.98714 0.013(m) 44 12 40.00810 0.013(m)
 E LON: 255 43 39.96019 0.015(m) 255 43 39.90562 0.015(m)
 W LON: 104 16 20.03981 0.015(m) 104 16 20.09438 0.015(m)
 EL HGT: 1561.044(m) 0.003(m) 1560.268(m) 0.003(m)
 ORTHO HGT: 1574.457(m) 0.029(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4901 WY E)

Northing (Y) [meters] 4895578.012 412593.984
 Easting (X) [meters] 558140.810 271479.857
 Convergence [degrees] 0.50748889 0.62371944
 Point Scale 0.99964157 1.00000032
 Combined Factor 0.99939694 0.99975561

US NATIONAL GRID DESIGNATOR: 13TEJ5814095578(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DJ8992	P033 TENSLEEPTRWY2005 CORS ARP	N435710.415	W1072315.121	251192.2
DI2251	P043 NEWCASTLE_WY2006 CORS ARP	N435252.101	W1041108.484	37323.0
DP1963	SDRC RAPID CITY CORS ARP	N440457.973	W1031332.337	84958.3

NEAREST NGS PUBLISHED CONTROL POINT

PV0486 INYANKARA RM N441247.252 W1042100.524 6230.8

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 114_83272051.19o OP1566409017313

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C7c77850ad5dd416b776d08d7265e8f7b%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637020059882655806&sdata=GqkSWvDfjuy58ZxfooUKgxyf5mW7t%2FcOmKC%2FBbmB3Qc%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 21, 2019

RINEX FILE: 114_205n.19o TIME: 17:39:07 UTC

SOFTWARE: page5 1603.24 master74.pl 160321 START: 2019/07/24 13:40:00
 EPHEMERIS: igs20633.eph [precise] STOP: 2019/07/24 19:36:00
 NAV FILE: brdc2050.19n OBS USED: 13938 / 14313 : 97%
 ANT NAME: TRMR8_GNSS3 NONE # FIXED AMB: 69 / 71 : 97%
 ARP HEIGHT: 2.0000 OVERALL RMS: 0.012(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.5608)

X: -1170135.453(m) 0.005(m) -1170136.381(m) 0.005(m)
 Y: -4410434.745(m) 0.013(m) -4410433.475(m) 0.013(m)
 Z: 4443378.729(m) 0.013(m) 4443378.653(m) 0.013(m)

LAT: 44 25 52.52761 0.007(m) 44 25 52.54828 0.007(m)
 E LON: 255 8 28.10922 0.008(m) 255 8 28.05396 0.008(m)
 W LON: 104 51 31.89078 0.008(m) 104 51 31.94604 0.008(m)
 EL HGT: 1345.733(m) 0.014(m) 1344.973(m) 0.014(m)
 ORTHO HGT: 1359.848(m) 0.033(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4901 WY E)

Northing (Y) [meters]	4919783.181	436712.232
Easting (X) [meters]	511233.604	224507.061
Convergence [degrees]	0.09880556	0.21548333
Point Scale	0.99960155	0.99994488
Combined Factor	0.99939067	0.99973393

US NATIONAL GRID DESIGNATOR: 13TEK1123319783(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DO2064	WYRF CASPER 2 CORS ARP	N424950.364	W1061938.497	213736.7
DP1963	SDRC RAPID CITY CORS ARP	N440457.973	W1031332.337	136073.5
DQ9796	MTLG MTLG LODGE GRASS CORS ARP	N451844.662	W1072030.205	219297.1

NEAREST NGS PUBLISHED CONTROL POINT

PV0146 4480 N442551.000 W1045149.000 381.3

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 116_83272122.19o OP1566412365087

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7Cec80b2bc45344a6d379d08d72666384f%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637020092784651352&sdata=PcKMJtmRfGtLK38CBS4YKglwtjp2LWx8zTH5gO8GFs%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 21, 2019

RINEX FILE: 116_212r.19o TIME: 18:33:47 UTC

SOFTWARE: page5 1603.24 master57.pl 160321 START: 2019/07/31 17:19:00
 EPHEMERIS: igs20643.eph [precise] STOP: 2019/07/31 22:20:00
 NAV FILE: brdc2120.19n OBS USED: 10299 / 10826 : 95%
 ANT NAME: TRMR8_GNSS3 NONE # FIXED AMB: 59 / 65 : 91%
 ARP HEIGHT: 2.0000 OVERALL RMS: 0.016(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.5804)

X: -1270177.616(m) 0.016(m) -1270178.546(m) 0.016(m)
 Y: -4377360.614(m) 0.041(m) -4377359.351(m) 0.041(m)
 Z: 4448307.107(m) 0.038(m) 4448307.031(m) 0.038(m)

LAT: 44 29 42.16153 0.002(m) 44 29 42.18144 0.002(m)
 E LON: 253 49 7.93258 0.022(m) 253 49 7.87624 0.022(m)
 W LON: 106 10 52.06742 0.022(m) 106 10 52.12376 0.022(m)
 EL HGT: 1158.122(m) 0.052(m) 1157.388(m) 0.052(m)
 ORTHO HGT: 1172.963(m) 0.052(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4902 WYEC)

Northing (Y) [meters]	4927537.182	544399.620
Easting (X) [meters]	406094.754	491636.391
Convergence [degrees]	-0.82785278	0.80757500
Point Scale	0.99970844	1.00004073
Combined Factor	0.99952694	0.99985917

US NATIONAL GRID DESIGNATOR: 13TDK0609427537(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DQ9786	MTBR MTBR BRIDGER CORS ARP	N451611.092	W1085451.420	232483.0
DO2064	WYRF CASPER 2 CORS ARP	N424950.364	W1061938.497	185333.3
DQ9796	MTLG MTLG LODGE GRASS CORS ARP	N451844.662	W1072030.205	129062.6

NEAREST NGS PUBLISHED CONTROL POINT

PW0586 WHITE N443407.181 W1061428.654 9475.7

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 120_83272153.19o OP1566415814068

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7Cd77800a3b2e7472a27c108d7266eb31a%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637020129199752763&data=cGmTssT245v9tV5rnyJlTIGcCXnO4lyRc3Bw8sULnsg%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 21, 2019

RINEX FILE: 120_215p.19o TIME: 19:34:17 UTC

SOFTWARE: page5 1603.24 master95.pl 160321 START: 2019/08/03 15:17:00
 EPHEMERIS: igs20646.eph [precise] STOP: 2019/08/03 23:13:00
 NAV FILE: brdc2150.19n OBS USED: 17232 / 17848 : 97%
 ANT NAME: TRMR8_GNSS3 NONE # FIXED AMB: 71 / 78 : 91%
 ARP HEIGHT: 2.0000 OVERALL RMS: 0.014(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.5885)

X: -1303557.608(m) 0.001(m) -1303558.539(m) 0.001(m)
 Y: -4373492.198(m) 0.009(m) -4373490.936(m) 0.009(m)
 Z: 4442703.006(m) 0.018(m) 4442702.929(m) 0.018(m)

LAT: 44 25 23.12216 0.008(m) 44 25 23.14175 0.008(m)
 E LON: 253 24 10.26720 0.002(m) 253 24 10.21061 0.002(m)
 W LON: 106 35 49.73280 0.002(m) 106 35 49.78939 0.002(m)
 EL HGT: 1306.596(m) 0.019(m) 1305.868(m) 0.019(m)
 ORTHO HGT: 1320.166(m) 0.019(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4902 WYEC)

Northing (Y) [meters]	4920106.683	536022.168
Easting (X) [meters]	372863.169	458621.783
Convergence [degrees]	-1.11807500	0.51530833
Point Scale	0.99979878	0.99997975
Combined Factor	0.99959399	0.99977493

US NATIONAL GRID DESIGNATOR: 13TCK7286320106(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DQ9786	MTBR MTBR BRIDGER CORS ARP	N451611.092	W1085451.420	205955.0
DQ9796	MTLG MTLG LODGE GRASS CORS ARP	N451844.662	W1072030.205	115038.7
DJ8992	P033 TENSLEEPTRWY2005 CORS ARP	N435710.415	W1072315.121	82010.3

NEAREST NGS PUBLISHED CONTROL POINT

PW0091 S 38 N442558.000 W1063524.000 1217.8

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 122_83272190.19o OP1569603495334

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7Cc1ef6e8bb5bf4b17499b08d7436c188e%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637052003870797655&sdata=emtdQaMohgDspJ6JV0rSzQEMPi2OoyuYew7UiDRyNY%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: September 27, 2019

RINEX FILE: 122_219o.19o TIME: 16:59:37 UTC

SOFTWARE: page5 1801.18 master73.pl 160321 START: 2019/08/07 14:05:00
 EPHEMERIS: igs20653.eph [precise] STOP: 2019/08/07 23:58:00
 NAV FILE: brdc2190.19n OBS USED: 19255 / 20021 : 96%
 ANT NAME: TRMR8_GNSS3 NONE # FIXED AMB: 91 / 95 : 96%
 ARP HEIGHT: 2.000 OVERALL RMS: 0.014(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2019.5995)

X: -1321009.330(m) 0.001(m) -1321010.262(m) 0.001(m)
 Y: -4376018.400(m) 0.010(m) -4376017.139(m) 0.010(m)
 Z: 4435606.662(m) 0.007(m) 4435606.581(m) 0.007(m)

LAT: 44 19 50.43742 0.002(m) 44 19 50.45675 0.002(m)
 E LON: 253 12 8.14370 0.002(m) 253 12 8.08700 0.002(m)
 W LON: 106 47 51.85630 0.002(m) 106 47 51.91300 0.002(m)
 EL HGT: 1656.998(m) 0.012(m) 1656.270(m) 0.012(m)
 ORTHO HGT: 1668.511(m) 0.036(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4902 WYEC)

Northing (Y) [meters]	4910173.053	525629.880
Easting (X) [meters]	356670.300	442716.111
Convergence [degrees]	-1.25646944	0.37427778
Point Scale	0.99985265	0.99995993
Combined Factor	0.99959294	0.99970019

US NATIONAL GRID DESIGNATOR: 13TCK5667010173(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DO2064	WYRF CASPER 2 CORS ARP	N424950.364	W1061938.497	170972.0
DJ8992	P033 TENSLEEPTRWY2005 CORS ARP	N435710.415	W1072315.121	63175.5
DQ9786	MTBR MTBR BRIDGER CORS ARP	N451611.092	W1085451.420	197341.9

NEAREST NGS PUBLISHED CONTROL POINT

PW0080 H 38 N441951.000 W1064752.000 17.7

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 122_83272200.19o OP1569603528002

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7Cfe1435e522e2462afc8308d7436c2dda%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637052004216261605&sdata=l70vTnQJy%2Bc8o7VnbomRhkY8dt9LZ4ef0hK2AczFS4Q%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: September 27, 2019

RINEX FILE: 122_220n.19o TIME: 17:00:12 UTC

SOFTWARE: page5 1801.18 master77.pl 160321 START: 2019/08/08 13:19:00
 EPHEMERIS: igs20654.eph [precise] STOP: 2019/08/08 19:23:00
 NAV FILE: brdc2200.19n OBS USED: 11068 / 11586 : 96%
 ANT NAME: TRMR8_GNSS3 NONE # FIXED AMB: 56 / 57 : 98%
 ARP HEIGHT: 2.000 OVERALL RMS: 0.012(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2019.6019)

X: -1321009.326(m) 0.003(m) -1321010.258(m) 0.003(m)
 Y: -4376018.396(m) 0.004(m) -4376017.135(m) 0.004(m)
 Z: 4435606.654(m) 0.006(m) 4435606.573(m) 0.006(m)

LAT: 44 19 50.43734 0.002(m) 44 19 50.45668 0.002(m)
 E LON: 253 12 8.14381 0.002(m) 253 12 8.08711 0.002(m)
 W LON: 106 47 51.85619 0.002(m) 106 47 51.91289 0.002(m)
 EL HGT: 1656.988(m) 0.007(m) 1656.261(m) 0.007(m)
 ORTHO HGT: 1668.501(m) 0.034(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4902 WYEC)

Northing (Y) [meters]	4910173.050	525629.878
Easting (X) [meters]	356670.303	442716.114
Convergence [degrees]	-1.25646944	0.37427778
Point Scale	0.99985265	0.99995993
Combined Factor	0.99959294	0.99970019

US NATIONAL GRID DESIGNATOR: 13TCK5667010173(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DJ8992	P033 TENSLEEPTRWY2005 CORS ARP	N435710.415	W1072315.121	63175.5
DG9745	MTEI ENGINC CORS ARP	N454447.035	W1083600.736	211976.8
DQ9796	MTLG MTLG LODGE GRASS CORS ARP	N451844.662	W1072030.205	117299.2

NEAREST NGS PUBLISHED CONTROL POINT

PW0080 H 38 N441951.000 W1064752.000 17.7

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 150_15202393.19o OP1569242750856

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C09c127649be8499ed27608d7402444bb%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637048396820493004&sdata=ClDq3VUXq4gcQ2qXupTbEqwvoEMrj33eguKa0WqjR4%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: September 23, 2019

RINEX FILE: 150_239p.19o TIME: 12:47:49 UTC

SOFTWARE: page5 1801.18 master52.pl 160321 START: 2019/08/27 15:07:00
 EPHEMERIS: igs20682.eph [precise] STOP: 2019/08/28 00:13:00
 NAV FILE: brdc2390.19n OBS USED: 20109 / 21553 : 93%
 ANT NAME: TRMR8-4 NONE # FIXED AMB: 99 / 103 : 96%
 ARP HEIGHT: 2.000 OVERALL RMS: 0.014(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2019.6543)

X: -1567498.079(m) 0.008(m) -1567499.011(m) 0.008(m)
 Y: -4355725.381(m) 0.011(m) -4355724.123(m) 0.011(m)
 Z: 4376415.183(m) 0.007(m) 4376415.098(m) 0.007(m)

LAT: 43 35 3.46934 0.009(m) 43 35 3.48673 0.009(m)
 E LON: 250 12 27.65052 0.005(m) 250 12 27.59245 0.005(m)
 W LON: 109 47 32.34948 0.005(m) 109 47 32.40755 0.005(m)
 EL HGT: 2414.402(m) 0.011(m) 2413.714(m) 0.011(m)
 ORTHO HGT: 2422.456(m) 0.053(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4903 WYWC)

Northing (Y) [meters]	4826411.775	343092.104
Easting (X) [meters]	597498.565	515823.073
Convergence [degrees]	0.83266667	-0.71863889
Point Scale	0.99971693	1.00002463
Combined Factor	0.99933857	0.99964615

US NATIONAL GRID DESIGNATOR: 12TWP9749826411(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DG8517	AHID AUBURN HATCHERY CORS ARP	N424623.209	W1110349.415	137180.9
DM7872	IDIR IRWIN CORS ARP	N432434.098	W1111748.070	123252.8
DG8532	TSWY TSWY_EBRY_WY2001 CORS ARP	N434026.703	W1103550.864	65763.1

NEAREST NGS PUBLISHED CONTROL POINT

OW0149 Z 42 N433506.000 W1094558.000 2118.1

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 150_15202400.19o OP1569242788270

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C9571115cc61446f621aa08d740243dcd%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637048396711866270&sdata=Z3w477am7cxHFxpL5YY6fkTpwxvDsubYfLELZYKzffE%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: September 23, 2019

RINEX FILE: 150_240p.19o TIME: 12:47:36 UTC

SOFTWARE: page5 1801.18 master57.pl 160321 START: 2019/08/28 15:19:00
 EPHEMERIS: igs20683.eph [precise] STOP: 2019/08/28 18:54:00
 NAV FILE: brdc2400.19n OBS USED: 5538 / 5934 : 93%
 ANT NAME: TRMR8-4 NONE # FIXED AMB: 39 / 40 : 98%
 ARP HEIGHT: 2.000 OVERALL RMS: 0.014(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2019.6567)

X: -1567498.074(m) 0.003(m) -1567499.006(m) 0.003(m)
 Y: -4355725.382(m) 0.018(m) -4355724.124(m) 0.018(m)
 Z: 4376415.180(m) 0.006(m) 4376415.095(m) 0.006(m)

LAT: 43 35 3.46927 0.008(m) 43 35 3.48666 0.008(m)
 E LON: 250 12 27.65074 0.009(m) 250 12 27.59267 0.009(m)
 W LON: 109 47 32.34926 0.009(m) 109 47 32.40733 0.009(m)
 EL HGT: 2414.399(m) 0.015(m) 2413.712(m) 0.015(m)
 ORTHO HGT: 2422.453(m) 0.054(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4903 WYWC)

Northing (Y) [meters]	4826411.773	343092.102
Easting (X) [meters]	597498.570	515823.078
Convergence [degrees]	0.83266667	-0.71863889
Point Scale	0.99971693	1.00002463
Combined Factor	0.99933857	0.99964616

US NATIONAL GRID DESIGNATOR: 12TWP9749826411(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DQ9810	P715 WINDYMOUNTWY2006 CORS ARP	N433002.747	W1094123.417	12457.8
DG5942	BLW2 BOULDER CORS ARP	N424601.637	W1093328.036	92799.2
DG8532	TSWY TSWY_EBRY_WY2001 CORS ARP	N434026.703	W1103550.864	65763.1

NEAREST NGS PUBLISHED CONTROL POINT

OW0149 Z 42 N433506.000 W1094558.000 2118.1

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 151_15202410.19o OP1569243080927

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C96b1e23a935748b4c4ce08d74024dd1e%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637048399391175782&sdata=9PrnKRuqgBVIYvpTbbhqj7F5c3GylQSW4nHBpD5ouU%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: September 23, 2019

RINEX FILE: 151_241o.19o TIME: 12:52:08 UTC

SOFTWARE: page5 1801.18 master91.pl 160321 START: 2019/08/29 14:51:00
 EPHEMERIS: igs20684.eph [precise] STOP: 2019/08/29 20:26:00
 NAV FILE: brdc2410.19n OBS USED: 10449 / 11246 : 93%
 ANT NAME: TRMR8-4 NONE # FIXED AMB: 52 / 52 : 100%
 ARP HEIGHT: 2.000 OVERALL RMS: 0.013(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2019.6596)

X: -1575961.506(m) 0.003(m) -1575962.438(m) 0.003(m)
 Y: -4347190.142(m) 0.001(m) -4347188.885(m) 0.001(m)
 Z: 4381834.639(m) 0.007(m) 4381834.555(m) 0.007(m)

LAT: 43 39 5.67389 0.006(m) 43 39 5.69124 0.006(m)
 E LON: 250 4 23.50294 0.004(m) 250 4 23.44476 0.004(m)
 W LON: 109 55 36.49706 0.004(m) 109 55 36.55524 0.004(m)
 EL HGT: 2422.828(m) 0.004(m) 2422.144(m) 0.004(m)
 ORTHO HGT: 2430.945(m) 0.052(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4903 WYWC)

Northing (Y) [meters]	4833734.863	350711.763
Easting (X) [meters]	586544.647	505067.978
Convergence [degrees]	0.74084167	-0.81237500
Point Scale	0.99969213	1.00004831
Combined Factor	0.99931246	0.99966851

US NATIONAL GRID DESIGNATOR: 12TWP8654433734(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DG8532	TSWY TSWY_EBRY_WY2001 CORS ARP	N434026.703	W1103550.864	54172.1
DM7872	IDIR IRWIN CORS ARP	N432434.098	W1111748.070	113991.6
DG8517	AHID AUBURN HATCHERY CORS ARP	N424623.209	W1110349.415	134428.7

NEAREST NGS PUBLISHED CONTROL POINT

OW0144 7758.79 N433912.000 W1095614.000 862.8

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 152_15202401.19o OP1569243156825

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C2a17d8ba3d374d6f79a808d7402528d5%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637048400672967649&sdata=tncvABfduubIHnWQ2TCd7k2kpxEKsGWV1qy2zWRCTMc%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: September 23, 2019

RINEX FILE: 152_240u.19o TIME: 12:54:11 UTC

SOFTWARE: page5 1801.18 master93.pl 160321 START: 2019/08/28 20:28:00
 EPHEMERIS: igs20683.eph [precise] STOP: 2019/08/29 00:29:00
 NAV FILE: brdc2400.19n OBS USED: 9865 / 10862 : 91%
 ANT NAME: TRMR8-4 NONE # FIXED AMB: 59 / 61 : 97%
 ARP HEIGHT: 2.000 OVERALL RMS: 0.014(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2019.6574)

X: -1538861.261(m) 0.005(m) -1538862.193(m) 0.005(m)
 Y: -4361272.949(m) 0.006(m) -4361271.691(m) 0.006(m)
 Z: 4381116.033(m) 0.003(m) 4381115.948(m) 0.003(m)

LAT: 43 38 31.72139 0.005(m) 43 38 31.73896 0.005(m)
 E LON: 250 33 53.18298 0.006(m) 250 33 53.12513 0.006(m)
 W LON: 109 26 6.81702 0.006(m) 109 26 6.87487 0.006(m)
 EL HGT: 2480.675(m) 0.004(m) 2479.983(m) 0.004(m)
 ORTHO HGT: 2489.118(m) 0.052(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4903 WYWC)

Northing (Y) [meters]	4833317.451	349219.129
Easting (X) [meters]	626206.633	544714.693
Convergence [degrees]	1.08007222	-0.47292222
Point Scale	0.99979592	0.99997508
Combined Factor	0.99940715	0.99958624

US NATIONAL GRID DESIGNATOR: 12TXP2620633317(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DG8532	TSWY TSWY_EBRY_WY2001 CORS ARP	N434026.703	W1103550.864	93852.4
DG8517	AHID AUBURN HATCHERY CORS ARP	N424623.209	W1110349.415	163863.5
DG5942	BLW2 BOULDER CORS ARP	N424601.637	W1093328.036	97756.6

NEAREST NGS PUBLISHED CONTROL POINT

OW0319 DUNCAN N433727.670 W1092307.735 4474.7

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 153_15202471.19o OP1569243214467

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7Cf57489b5930e4f53642c08d7402549ec%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637048401203771251&sdata=ODAIR9C3Ti2R0Pa0Aw9q0glomzf0UARel0%2BFjg46ma8%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: September 23, 2019
 RINEX FILE: 153_247w.19o TIME: 12:55:06 UTC

SOFTWARE: page5 1801.18 master72.pl 160321 START: 2019/09/04 22:13:00
 EPHEMERIS: igs20693.eph [precise] STOP: 2019/09/05 02:14:00
 NAV FILE: brdc2470.19n OBS USED: 11982 / 12424 : 96%
 ANT NAME: TRMR8-4 NONE # FIXED AMB: 48 / 49 : 98%
 ARP HEIGHT: 2.000 OVERALL RMS: 0.013(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2019.6767)

X: -1624833.829(m) 0.006(m) -1624834.761(m) 0.006(m)
 Y: -4394086.539(m) 0.007(m) -4394085.267(m) 0.007(m)
 Z: 4316979.094(m) 0.016(m) 4316979.010(m) 0.016(m)

LAT: 42 51 5.16071 0.008(m) 42 51 5.17788 0.008(m)
 E LON: 249 42 24.28607 0.006(m) 249 42 24.22814 0.006(m)
 W LON: 110 17 35.71393 0.006(m) 110 17 35.77186 0.006(m)
 EL HGT: 2297.455(m) 0.015(m) 2296.760(m) 0.015(m)
 ORTHO HGT: 2308.586(m) 0.045(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4904 WY W)

Northing (Y) [meters]	4744559.174	361171.745
Easting (X) [meters]	557744.419	782842.763
Convergence [degrees]	0.48067222	-0.14276667
Point Scale	0.99964102	0.99994112
Combined Factor	0.99928098	0.99958097

US NATIONAL GRID DESIGNATOR: 12TWN5774444559(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DG8517	AHID AUBURN HATCHERY CORS ARP	N424623.209	W1110349.415	63635.4
DG5942	BLW2 BOULDER CORS ARP	N424601.637	W1093328.036	60901.7
DQ9810	P715 WINDYMOUNTWY2006 CORS ARP	N433002.747	W1094123.417	87278.8

NEAREST NGS PUBLISHED CONTROL POINT

NT0619 MASON N424249.079 W1101947.967 15600.4

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 154_15202480.19o OP1569244999621

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7Ca225615b40a84aeba2ba08d7402964c1%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637048418846248858&sdata=HvINZNoFwBSK2%2F8f09QIC21hldDrLU8LTza6rs84jJo%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: September 23, 2019

RINEX FILE: 154_248r.19o TIME: 13:24:31 UTC

SOFTWARE: page5 1801.18 master76.pl 160321 START: 2019/09/05 17:40:00
 EPHEMERIS: igs20694.eph [precise] STOP: 2019/09/05 23:39:00
 NAV FILE: brdc2480.19n OBS USED: 13692 / 14582 : 94%
 ANT NAME: TRMR8-4 NONE # FIXED AMB: 62 / 65 : 95%
 ARP HEIGHT: 2.000 OVERALL RMS: 0.014(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2019.6791)

X: -1583840.397(m) 0.003(m) -1583841.327(m) 0.003(m)
 Y: -4419929.038(m) 0.006(m) -4419927.764(m) 0.006(m)
 Z: 4305614.376(m) 0.007(m) 4305614.288(m) 0.007(m)

LAT: 42 42 49.18889 0.004(m) 42 42 49.20628 0.004(m)
 E LON: 250 17 7.19599 0.001(m) 250 17 7.13864 0.001(m)
 W LON: 109 42 52.80401 0.001(m) 109 42 52.86136 0.001(m)
 EL HGT: 2108.735(m) 0.008(m) 2108.024(m) 0.008(m)
 ORTHO HGT: 2120.912(m) 0.048(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4904 WY W)

Northing (Y) [meters] 4729819.310 345912.573
 Easting (X) [meters] 605251.193 830198.688
 Convergence [degrees] 0.87196667 0.25008056
 Point Scale 0.99973629 0.99994872
 Combined Factor 0.99940578 0.99961814

US NATIONAL GRID DESIGNATOR: 12TXN0525129819(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DJ8989	P030 KEMMERERLFWY2005 CORS ARP	N414459.315	W1103046.067	125749.5
DG8517	AHID AUBURN HATCHERY CORS ARP	N424623.209	W1110349.415	110690.4
DG5942	BLW2 BOULDER CORS ARP	N424601.637	W1093328.036	14157.3

NEAREST NGS PUBLISHED CONTROL POINT

NS0123 Z 43 N424138.000 W1094248.000 2199.4

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 155_15202550.19o OP1570042363164

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7Cdc248b7413ca43821fe108d74769dd58%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637056392320092891&sdata=tKNM9bpxriSewUBehC5MqvKNRZAx%2FQ%2FBrtES25wpT48%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: October 02, 2019

RINEX FILE: 155_255n.19o

TIME: 18:53:40 UTC

SOFTWARE: page5 1801.18 master53.pl 160321 START: 2019/09/12 14:00:00
 EPHEMERIS: igs20704.eph [precise] STOP: 2019/09/12 21:10:00
 NAV FILE: brdc2550.19n OBS USED: 15854 / 16788 : 94%
 ANT NAME: TRMR8-4 NONE # FIXED AMB: 94 / 96 : 98%
 ARP HEIGHT: 2.000 OVERALL RMS: 0.014(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2019.6979)

X: -1656799.593(m) 0.005(m) -1656800.524(m) 0.005(m)
 Y: -4421294.615(m) 0.010(m) -4421293.338(m) 0.010(m)
 Z: 4277180.986(m) 0.003(m) 4277180.898(m) 0.003(m)

LAT: 42 21 52.44116 0.005(m) 42 21 52.45801 0.005(m)
 E LON: 249 27 26.74534 0.003(m) 249 27 26.68770 0.003(m)
 W LON: 110 32 33.25466 0.003(m) 110 32 33.31230 0.003(m)
 EL HGT: 2329.839(m) 0.010(m) 2329.138(m) 0.010(m)
 ORTHO HGT: 2341.581(m) 0.052(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4904 WY W)

Northing (Y) [meters] 4690356.289 307172.285
 Easting (X) [meters] 537666.237 762172.107
 Convergence [degrees] 0.30824167 -0.30945833
 Point Scale 0.99961746 0.99995510
 Combined Factor 0.99925233 0.99958985

US NATIONAL GRID DESIGNATOR: 12TWM3766690356(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DG5942	BLW2 BOULDER CORS ARP	N424601.637	W1093328.036	92435.3
DG8517	AHID AUBURN HATCHERY CORS ARP	N424623.209	W1110349.415	62397.3
DM7872	IDIR IRWIN CORS ARP	N432434.098	W1111748.070	131451.7

NEAREST NGS PUBLISHED CONTROL POINT

NT0635 BALD KNOLL N422358.599 W1102903.470 6179.3

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 157_15202600.19o OP1570042428955

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C5a1e1cb7b67a48ebd40208d7476a08ed%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637056393052118849&msdata=%2F9GYOkXH2KRSgbYd%2BrhlokA2oGdLlAglOKzubpuG24%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: October 02, 2019

RINEX FILE: 157_260t.19o TIME: 18:54:53 UTC

SOFTWARE: page5 1801.18 master76.pl 160321 START: 2019/09/17 19:19:00
 EPHEMERIS: igr20712.eph [rapid] STOP: 2019/09/18 01:15:00
 NAV FILE: brdc2600.19n OBS USED: 16089 / 17222 : 93%
 ANT NAME: TRMR8-4 NONE # FIXED AMB: 88 / 93 : 95%
 ARP HEIGHT: 2.000 OVERALL RMS: 0.014(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2019.7122)

X: -1558947.337(m) 0.006(m) -1558948.265(m) 0.006(m)
 Y: -4455886.922(m) 0.005(m) -4455885.642(m) 0.005(m)
 Z: 4277846.695(m) 0.001(m) 4277846.604(m) 0.001(m)

LAT: 42 22 25.91591 0.005(m) 42 22 25.93344 0.005(m)
 E LON: 250 43 1.11752 0.004(m) 250 43 1.06079 0.004(m)
 W LON: 109 16 58.88248 0.004(m) 109 16 58.93921 0.004(m)
 EL HGT: 2184.898(m) 0.004(m) 2184.171(m) 0.004(m)
 ORTHO HGT: 2198.009(m) 0.045(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4904 WY W)

Northing (Y) [meters]	4692715.194	308413.213
Easting (X) [meters]	641362.551	865912.867
Convergence [degrees]	1.15737500	0.53940000
Point Scale	0.99984587	0.99999093
Combined Factor	0.99950337	0.99964838

US NATIONAL GRID DESIGNATOR: 12TXM4136292715(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DJ8989	P030 KEMMERERLFWY2005	CORS ARP	N414459.315 W1103046.067	123187.3
DI2248	P032 RAWLINSWWTWY2005	CORS ARP	N414430.003 W1071521.278	181946.3
DG8532	TSWY TSWY_EBRY_WY2001	CORS ARP	N434026.703 W1103550.864	179892.5

NEAREST NGS PUBLISHED CONTROL POINT

NS0290 LOST N422258.445 W1091035.411 8830.0

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 158_15202630.19o OP1570042463805

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C81d3878ca3ac4dda849c08d7476a1443%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637056393251410821&sdata=a4TJm8fH23SXYSJqi4Ye2FLWXSPz7KYnlEQnb9wBtHk%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: October 02, 2019

RINEX FILE: 158_2630.19o TIME: 18:55:12 UTC

SOFTWARE: page5 1801.18 master90.pl 160321 START: 2019/09/20 14:12:00
 EPHEMERIS: igr20715.eph [rapid] STOP: 2019/09/20 19:18:00
 NAV FILE: brdc2630.19n OBS USED: 11414 / 11868 : 96%
 ANT NAME: TRMR8-4 NONE # FIXED AMB: 63 / 65 : 97%
 ARP HEIGHT: 2.000 OVERALL RMS: 0.013(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2019.7197)

X: -1516298.977(m) 0.005(m) -1516299.901(m) 0.005(m)
 Y: -4459982.490(m) 0.002(m) -4459981.217(m) 0.002(m)
 Z: 4289428.663(m) 0.004(m) 4289428.567(m) 0.004(m)

LAT: 42 30 42.18570 0.002(m) 42 30 42.20327 0.002(m)
 E LON: 251 13 23.02158 0.005(m) 251 13 22.96535 0.005(m)
 W LON: 108 46 36.97842 0.005(m) 108 46 37.03465 0.005(m)
 EL HGT: 2596.127(m) 0.004(m) 2595.393(m) 0.004(m)
 ORTHO HGT: 2607.208(m) 0.046(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4903 WYWC)

Northing (Y) [meters]	4708989.043	223415.286
Easting (X) [meters]	682630.314	597786.238
Convergence [degrees]	1.50262778	-0.01820278
Point Scale	1.00001038	0.99993756
Combined Factor	0.99960338	0.99953059

US NATIONAL GRID DESIGNATOR: 12TXN8263008989(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DJ8989	P030 KEMMERERLFWY2005 CORS ARP	N414459.315	W1103046.067	166668.4
DG5942	BLW2 BOULDER CORS ARP	N424601.637	W1093328.036	70072.1
DJ8992	P033 TENSLEEPTRWY2005 CORS ARP	N435710.415	W1072315.121	195943.1

NEAREST NGS PUBLISHED CONTROL POINT

NS0037 8162 N422900007. W1084600003. 3033.4

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 159_15202640.19o OP1570042496148

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C5a05104cecbf44c26f8208d7476a3f15%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637056393968032701&sdata=TDH6pPpb%2FXTFPRh3f%2FCaJzmXxLH%2B0dtib%2FMivWeZbAg%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: October 02, 2019

RINEX FILE: 159_264o.19o TIME: 18:56:24 UTC

SOFTWARE: page5 1801.18 master80.pl 160321 START: 2019/09/21 14:59:00
 EPHEMERIS: igr20716.eph [rapid] STOP: 2019/09/21 19:08:00
 NAV FILE: brdc2640.19n OBS USED: 8811 / 9368 : 94%
 ANT NAME: TRMR8-4 NONE # FIXED AMB: 43 / 43 : 100%
 ARP HEIGHT: 2.000 OVERALL RMS: 0.013(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2019.7225)

X: -1518071.064(m) 0.004(m) -1518071.990(m) 0.004(m)
 Y: -4443597.555(m) 0.015(m) -4443596.284(m) 0.015(m)
 Z: 4305669.092(m) 0.010(m) 4305668.998(m) 0.010(m)

LAT: 42 42 36.97618 0.003(m) 42 42 36.99378 0.003(m)
 E LON: 251 8 17.65651 0.003(m) 251 8 17.59996 0.003(m)
 W LON: 108 51 42.34349 0.003(m) 108 51 42.40004 0.003(m)
 EL HGT: 2597.772(m) 0.018(m) 2597.045(m) 0.018(m)
 ORTHO HGT: 2608.198(m) 0.048(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4903 WYWC)

Northing (Y) [meters] 4730858.494 245475.894
 Easting (X) [meters] 675104.200 590844.682
 Convergence [degrees] 1.45071667 -0.07580833
 Point Scale 0.99997724 0.99993853
 Combined Factor 0.99957001 0.99953132

US NATIONAL GRID DESIGNATOR: 12TXN7510430858(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DJ8989	P030 KEMMERERLFWY2005 CORS ARP	N414459.315	W1103046.067	173138.6
DG5942	BLW2 BOULDER CORS ARP	N424601.637	W1093328.036	57365.9
DG8532	TSWY TSWY_EBRY_WY2001 CORS ARP	N434026.703	W1103550.864	177174.1

NEAREST NGS PUBLISHED CONTROL POINT

NS0257 BUCK N424325.618 W1084725.456 6034.8

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 160_15202670.19o OP1569499156016

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7Cd870c98119c94739df8a08d7427933cb%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637050960639717149&sdata=mIRGgT%2FbHbohY8YO7Nic6oQnikiQU5ZNNpgkJ36%2BEVI%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: September 26, 2019

RINEX FILE: 160_267o.19o TIME: 12:00:30 UTC

SOFTWARE: page5 1801.18 master70.pl 160321 START: 2019/09/24 14:56:00
 EPHEMERIS: igr20722.eph [rapid] STOP: 2019/09/24 20:04:00
 NAV FILE: brdc2670.19n OBS USED: 11784 / 12300 : 96%
 ANT NAME: TRMR8-4 NONE # FIXED AMB: 54 / 56 : 96%
 ARP HEIGHT: 2.000 OVERALL RMS: 0.014(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2019.7308)

X: -1336148.082(m) 0.007(m) -1336149.015(m) 0.007(m)
 Y: -4387525.055(m) 0.002(m) -4387523.793(m) 0.002(m)
 Z: 4420960.846(m) 0.003(m) 4420960.763(m) 0.003(m)

LAT: 44 8 22.53365 0.005(m) 44 8 22.55280 0.005(m)
 E LON: 253 3 45.91552 0.006(m) 253 3 45.85885 0.006(m)
 W LON: 106 56 14.08448 0.006(m) 106 56 14.14115 0.006(m)
 EL HGT: 2476.915(m) 0.000(m) 2476.185(m) 0.000(m)
 ORTHO HGT: 2486.598(m) 0.043(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4902 WYEC)

Northing (Y) [meters] 4889201.941 504335.285
 Easting (X) [meters] 345046.732 431692.130
 Convergence [degrees] -1.34938333 0.27584167
 Point Scale 0.99989530 0.99994985
 Combined Factor 0.99950710 0.99956163

US NATIONAL GRID DESIGNATOR: 13TCJ4504689201(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DO2064	WYRF CASPER 2 CORS ARP	N424950.364	W1061938.497	153613.8
DL7728	P051 BILLINGSAPMT2005 CORS ARP	N454823.741	W1083246.070	224604.1
DI2251	P043 NEWCASTLE_WY2006 CORS ARP	N435252.101	W1041108.484	222563.4

NEAREST NGS PUBLISHED CONTROL POINT

PW0064 W 37 N440933.000 W1065454.000 2810.3

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 160_15202670.19o OP1569603411435

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7Ce5e770c78deb4963a27d08d7436bdf5%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637052002907475393&sdata=7n%2BMMNXgFRfWEtOnbUbrSBviPhRTxSu6VbrOX3qsx9k%3D&reserved=0>

USER: michael.zarlengo@woolpert.com

DATE: September 27, 2019

RINEX FILE: 160_267o.19o

TIME: 16:57:50 UTC

SOFTWARE: page5 1801.18 master71.pl 160321 START: 2019/09/24 14:56:00
 EPHEMERIS: igr20722.eph [rapid] STOP: 2019/09/24 20:04:00
 NAV FILE: brdc2670.19n OBS USED: 11886 / 12371 : 96%
 ANT NAME: TRMR8-4 NONE # FIXED AMB: 59 / 60 : 98%
 ARP HEIGHT: 2.000 OVERALL RMS: 0.013(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2019.7308)

X: -1336148.080(m) 0.006(m) -1336149.013(m) 0.006(m)
 Y: -4387525.053(m) 0.005(m) -4387523.791(m) 0.005(m)
 Z: 4420960.847(m) 0.004(m) 4420960.764(m) 0.004(m)

LAT: 44 8 22.53372 0.007(m) 44 8 22.55291 0.007(m)
 E LON: 253 3 45.91559 0.005(m) 253 3 45.85892 0.005(m)
 W LON: 106 56 14.08441 0.005(m) 106 56 14.14108 0.005(m)
 EL HGT: 2476.913(m) 0.002(m) 2476.184(m) 0.002(m)
 ORTHO HGT: 2486.596(m) 0.043(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4902 WYEC)

Northing (Y) [meters]	4889201.943	504335.287
Easting (X) [meters]	345046.734	431692.132
Convergence [degrees]	-1.34938333	0.27584167
Point Scale	0.99989530	0.99994985
Combined Factor	0.99950711	0.99956163

US NATIONAL GRID DESIGNATOR: 13TCJ4504689201(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DI2251	P043 NEWCASTLE_WY2006 CORS ARP	N435252.101	W1041108.484	222563.4
DJ8992	P033 TENSLEEPTRWY2005 CORS ARP	N435710.415	W1072315.121	41652.4
DO2064	WYRF CASPER 2 CORS ARP	N424950.364	W1061938.497	153613.8

NEAREST NGS PUBLISHED CONTROL POINT

PW0064 W 37 N440933.000 W1065454.000 2810.3

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 161_15202671.19o OP1569499078481

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7Ce24eb042278a4c2cdf2408d7427908d2%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637050959926664673&sdata=d78pT%2FwIveJZa%2BgVBknnoteAsOkQtD1CF0pj3nYORgY%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: September 26, 2019

RINEX FILE: 161_267v.19o TIME: 11:59:40 UTC

SOFTWARE: page5 1801.18 master57.pl 160321 START: 2019/09/24 21:14:00
 EPHEMERIS: igu20722.eph [ultra-rapid] STOP: 2019/09/25 01:47:00
 NAV FILE: brdc2670.19n OBS USED: 13835 / 14867 : 93%
 ANT NAME: TRMR8-4 NONE # FIXED AMB: 66 / 73 : 90%
 ARP HEIGHT: 2.000 OVERALL RMS: 0.013(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2019.7315)

X:	-1314053.875(m)	0.003(m)	-1314054.807(m)	0.003(m)
Y:	-4397955.775(m)	0.005(m)	-4397954.510(m)	0.005(m)
Z:	4415694.186(m)	0.002(m)	4415694.102(m)	0.002(m)

LAT:	44 4 58.77541	0.003(m)	44 4 58.79478	0.003(m)
E LON:	253 21 52.25767	0.002(m)	253 21 52.20126	0.002(m)
W LON:	106 38 7.74233	0.002(m)	106 38 7.79874	0.002(m)
EL HGT:	1399.647(m)	0.005(m)	1398.910(m)	0.005(m)
ORTHO HGT:	1412.549(m)	0.049(m)	[NAVD88 (Computed using GEOID18)]	

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4902 WYEC)

Northing (Y) [meters]	4882391.101	498207.166
Easting (X) [meters]	369058.845	455890.313
Convergence [degrees]	-1.13796667	0.48550556
Point Scale	0.99981087	0.99997590
Combined Factor	0.99959149	0.99975648

US NATIONAL GRID DESIGNATOR: 13TCJ6905882391(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DL7728	P051 BILLINGSAPMT2005 CORS ARP	N454823.741	W1083246.070	243795.3
DO2064	WYRF CASPER 2 CORS ARP	N424950.364	W1061938.497	141384.4
DQ9796	MTLG MTLG LODGE GRASS CORS ARP	N451844.662	W1072030.205	147666.4

NEAREST NGS PUBLISHED CONTROL POINT

PW0107 P 39 N440356.000 W1064214.000 5812.1

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 162_15202681.19o OP1570046462826

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C400424675e3249ba91c808d747737f35%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637056433691542294&sdata=x56p6S8zM6Pd5Dcc%2FErK9naMYJeAbH6EtHerJsRkFuk%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: October 02, 2019

RINEX FILE: 162_268p.19o TIME: 20:02:31 UTC

SOFTWARE: page5 1801.18 master97.pl 160321 START: 2019/09/25 15:32:00
 EPHEMERIS: igr20723.eph [rapid] STOP: 2019/09/25 22:03:00
 NAV FILE: brdc2680.19n OBS USED: 15724 / 16675 : 94%
 ANT NAME: TRMR8-4 NONE # FIXED AMB: 90 / 91 : 99%
 ARP HEIGHT: 2.000 OVERALL RMS: 0.012(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2019.7337)

X: -1331736.771(m) 0.003(m) -1331737.702(m) 0.003(m)
 Y: -4412990.733(m) 0.001(m) -4412989.466(m) 0.001(m)
 Z: 4395748.499(m) 0.007(m) 4395748.413(m) 0.007(m)

LAT: 43 49 55.57220 0.006(m) 43 49 55.59139 0.006(m)
 E LON: 253 12 26.71700 0.003(m) 253 12 26.66074 0.003(m)
 W LON: 106 47 33.28300 0.003(m) 106 47 33.33926 0.003(m)
 EL HGT: 1581.416(m) 0.004(m) 1580.675(m) 0.004(m)
 ORTHO HGT: 1593.182(m) 0.051(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4902 WYEC)

Northing (Y) [meters] 4854786.861 470237.529
 Easting (X) [meters] 355875.946 443491.307
 Convergence [degrees] -1.24165833 0.37450556
 Point Scale 0.99985549 0.99996076
 Combined Factor 0.99960761 0.99971285

US NATIONAL GRID DESIGNATOR: 13TCJ5587554786(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DI2251	P043 NEWCASTLE_WY2006 CORS ARP	N435252.101	W1041108.484	209694.6
DJ8992	P033 TENSLEPTRWY2005 CORS ARP	N435710.415	W1072315.121	49665.0
DO2064	WYRF CASPER 2 CORS ARP	N424950.364	W1061938.497	117510.7

NEAREST NGS PUBLISHED CONTROL POINT

OV0381 LANDERS N435201.557 W1064520.362 4892.2

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 165_14132680.19o OP1569843916994

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C448baf40ac844cc424af08d7459bcc26%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637054407768786235&sdata=%2Fq6rcxHUGtTs5bAxrNZrTpKkt%2BXcDlrnmUZbA1LzpdQ%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: September 30, 2019

RINEX FILE: 165_268r.19o TIME: 11:46:03 UTC

SOFTWARE: page5 1801.18 master56.pl 160321 START: 2019/09/25 17:46:00
 EPHEMERIS: igr20723.eph [rapid] STOP: 2019/09/25 22:03:00
 NAV FILE: brdc2680.19n OBS USED: 10708 / 10996 : 97%
 ANT NAME: TRMR6-4 NONE # FIXED AMB: 52 / 52 : 100%
 ARP HEIGHT: 2.000 OVERALL RMS: 0.012(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2019.7338)

X: -1296566.912(m) 0.005(m) -1296567.843(m) 0.005(m)
 Y: -4420905.779(m) 0.003(m) -4420904.511(m) 0.003(m)
 Z: 4398044.779(m) 0.006(m) 4398044.694(m) 0.006(m)

LAT: 43 51 44.03718 0.006(m) 43 51 44.05662 0.006(m)
 E LON: 253 39 16.55435 0.004(m) 253 39 16.49837 0.004(m)
 W LON: 106 20 43.44565 0.004(m) 106 20 43.50163 0.004(m)
 EL HGT: 1410.263(m) 0.003(m) 1409.515(m) 0.003(m)
 ORTHO HGT: 1424.274(m) 0.050(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4902 WYEC)

Northing (Y) [meters] 4857451.165 473917.267
 Easting (X) [meters] 391883.933 479416.566
 Convergence [degrees] -0.93235556 0.68460000
 Point Scale 0.99974377 1.00001505
 Combined Factor 0.99952274 0.99979396

US NATIONAL GRID DESIGNATOR: 13TCJ9188357451(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DJ8992	P033 TENSLEEPTRWY2005 CORS ARP	N435710.415	W1072315.121	84336.2
DI2251	P043 NEWCASTLE_WY2006 CORS ARP	N435252.101	W1041108.484	173637.0
DO2064	WYRF CASPER 2 CORS ARP	N424950.364	W1061938.497	114643.0

NEAREST NGS PUBLISHED CONTROL POINT

OV0338 HESSE N435203.659 W1061915.378 2057.7

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 170_15202324.19o OP1570042549048

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C316a4f10f780430a3ab408d7476a41ed%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637056394014499583&sdata=QNgP6jE4oGRtGY%2F0BmNCM2uqgHswtjEli%2FvbZVMWTPi%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: October 02, 2019

RINEX FILE: 170_232r.19o TIME: 18:56:32 UTC

SOFTWARE: page5 1801.18 master93.pl 160321 START: 2019/08/20 17:29:00
 EPHEMERIS: igs20672.eph [precise] STOP: 2019/08/20 22:13:00
 NAV FILE: brdc2320.19n OBS USED: 10846 / 11320 : 96%
 ANT NAME: TRMR10 NONE # FIXED AMB: 56 / 59 : 95%
 ARP HEIGHT: 2.05 OVERALL RMS: 0.016(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2019.6352)

X: -1546276.188(m) 0.018(m) -1546277.118(m) 0.018(m)
 Y: -4372835.187(m) 0.001(m) -4372833.927(m) 0.001(m)
 Z: 4366387.548(m) 0.009(m) 4366387.461(m) 0.009(m)

LAT: 43 27 47.54225 0.003(m) 43 27 47.55978 0.003(m)
 E LON: 250 31 33.31322 0.017(m) 250 31 33.25555 0.017(m)
 W LON: 109 28 26.68678 0.017(m) 109 28 26.74445 0.017(m)
 EL HGT: 2023.472(m) 0.010(m) 2022.775(m) 0.010(m)
 ORTHO HGT: 2032.135(m) 0.054(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4903 WYWC)

Northing (Y) [meters] 4813385.977 329366.184
 Easting (X) [meters] 623437.698 541406.869
 Convergence [degrees] 1.04979444 -0.49810000
 Point Scale 0.99978742 0.99997972
 Combined Factor 0.99947028 0.99966252

US NATIONAL GRID DESIGNATOR: 12TXP2343713385(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DG8532	TSWY TSWY_EBRY_WY2001 CORS ARP	N434026.703	W1103550.864	93757.4
DG8517	AHID AUBURN HATCHERY CORS ARP	N424623.209	W1110349.415	150422.2
DH7135	IDDR DRIGGS CORS ARP	N434446.001	W1110636.921	135824.1

NEAREST NGS PUBLISHED CONTROL POINT

OW0115 D 47 N432746.000 W1092849.000 503.8

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 178_04192330.19o OP1570042595537

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C5140c9550b444e54b39208d7476a6706%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637056394629126301&sdata=jnCF3xdAqyd2McKNAsG2xr029iNT6IID0M4qfwKObB4%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: October 02, 2019

RINEX FILE: 178_233r.19o TIME: 18:57:29 UTC

SOFTWARE: page5 1801.18 master73.pl 160321 START: 2019/08/21 17:11:00
 EPHEMERIS: igs20673.eph [precise] STOP: 2019/08/21 21:12:00
 NAV FILE: brdc2330.19n OBS USED: 8159 / 8623 : 95%
 ANT NAME: TRMR10 NONE # FIXED AMB: 38 / 45 : 84%
 ARP HEIGHT: 2.05 OVERALL RMS: 0.018(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2019.6378)

X: -1501369.566(m) 0.014(m) -1501370.490(m) 0.014(m)
 Y: -4457426.094(m) 0.032(m) -4457424.821(m) 0.032(m)
 Z: 4296580.811(m) 0.027(m) 4296580.716(m) 0.027(m)

LAT: 42 36 10.76422 0.004(m) 42 36 10.78193 0.004(m)
 E LON: 251 23 6.80125 0.008(m) 251 23 6.74502 0.008(m)
 W LON: 108 36 53.19875 0.008(m) 108 36 53.25498 0.008(m)
 EL HGT: 2124.605(m) 0.043(m) 2123.870(m) 0.043(m)
 ORTHO HGT: 2136.312(m) 0.060(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4903 WYWC)

Northing (Y) [meters] 4719486.834 233562.013
 Easting (X) [meters] 695667.384 611096.210
 Convergence [degrees] 1.61510278 0.09153333
 Point Scale 1.00007106 0.99993901
 Combined Factor 0.99973794 0.99960594

US NATIONAL GRID DESIGNATOR: 12TXN9566719486(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DQ9810	P715 WINDYMOUNTWY2006 CORS ARP	N433002.747	W1094123.417	132788.0
DJ8992	P033 TENSLEEPTRWY2005 CORS ARP	N435710.415	W1072315.121	180082.5
DJ8989	P030 KEMMERERLFWY2005 CORS ARP	N414459.315	W1103046.067	183276.6

NEAREST NGS PUBLISHED CONTROL POINT

NS0044 U 20 N423600005 W1083700026 769.4

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 180_2019_WY_67191700.19o OP1564672017328

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C68d154bfc0194a596dd608d7169229a7%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637002689339662283&sdata=yjONKgQFclMiJurJpuyMw%2FNPCTekFvRk2qJQvwtv3n8%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 01, 2019

RINEX FILE: 180_170r.19o TIME: 15:08:08 UTC

SOFTWARE: page5 1603.24 master91.pl 160321 START: 2019/06/19 17:25:00
 EPHEMERIS: igs20583.eph [precise] STOP: 2019/06/19 23:08:00
 NAV FILE: brdc1700.19n OBS USED: 12056 / 12707 : 95%
 ANT NAME: TRMR10 NONE # FIXED AMB: 62 / 72 : 86%
 ARP HEIGHT: 2.05 OVERALL RMS: 0.018(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.4653)

X: -1221831.597(m) 0.008(m) -1221832.513(m) 0.008(m)
 Y: -4549233.487(m) 0.016(m) -4549232.198(m) 0.016(m)
 Z: 4287962.543(m) 0.024(m) 4287962.448(m) 0.024(m)

LAT: 42 30 12.30178 0.013(m) 42 30 12.32158 0.013(m)
 E LON: 254 57 58.68652 0.006(m) 254 57 58.63316 0.006(m)
 W LON: 105 2 1.31348 0.006(m) 105 2 1.36684 0.006(m)
 EL HGT: 1432.667(m) 0.028(m) 1431.860(m) 0.028(m)
 ORTHO HGT: 1446.736(m) 0.041(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4901 WY E)

Northing (Y) [meters]	4705673.066	222501.449
Easting (X) [meters]	497231.301	210928.600
Convergence [degrees]	-0.02276667	0.08983889
Point Scale	0.99960009	0.99993897
Combined Factor	0.99937554	0.99971435

US NATIONAL GRID DESIGNATOR: 13TDH9723105673(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DO2064	WYRF CASPER 2 CORS ARP	N424950.364	W1061938.497	112135.6
DG6515	WYLC LARAMIE COUNTY CORS ARP	N410616.294	W1044631.293	156886.8
DH7223	NE SC SCOTTS BLUFF CNTY CORS ARP	N414937.752	W1033939.720	136071.4

NEAREST NGS PUBLISHED CONTROL POINT

NQ0282 W 99 N423007.000 W1050138.000 556.9

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 180_2019_WY_67191710.19o OP1564671987531

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7Ced2c116790d84a775ee308d716920c33%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637002688836425911&sdata=8Y%2BjD9eMI0pXJtwVOI9H05zg8e4hpi2haCYc7Q1h4E%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 01, 2019

RINEX FILE: 180_171m.19o TIME: 15:07:20 UTC

SOFTWARE: page5 1603.24 master92.pl 160321 START: 2019/06/20 12:40:00
 EPHEMERIS: igs20584.eph [precise] STOP: 2019/06/20 19:14:00
 NAV FILE: brdc1710.19n OBS USED: 18490 / 19056 : 97%
 ANT NAME: TRMR10 NONE # FIXED AMB: 82 / 91 : 90%
 ARP HEIGHT: 2.05 OVERALL RMS: 0.015(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.4676)

X: -1221831.602(m) 0.002(m) -1221832.518(m) 0.002(m)
 Y: -4549233.476(m) 0.011(m) -4549232.187(m) 0.011(m)
 Z: 4287962.540(m) 0.008(m) 4287962.445(m) 0.008(m)

LAT: 42 30 12.30192 0.004(m) 42 30 12.32168 0.004(m)
 E LON: 254 57 58.68619 0.004(m) 254 57 58.63280 0.004(m)
 W LON: 105 2 1.31381 0.004(m) 105 2 1.36720 0.004(m)
 EL HGT: 1432.658(m) 0.013(m) 1431.851(m) 0.013(m)
 ORTHO HGT: 1446.727(m) 0.032(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4901 WY E)

Northing (Y) [meters]	4705673.071	222501.453
Easting (X) [meters]	497231.293	210928.593
Convergence [degrees]	-0.02276667	0.08983889
Point Scale	0.99960009	0.99993897
Combined Factor	0.99937554	0.99971435

US NATIONAL GRID DESIGNATOR: 13TDH9723105673(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DH7223	NESC SCOTTS BLUFF CNTY CORS ARP	N414937.752	W1033939.720	136071.4
DG6515	WYLC LARAMIE COUNTY CORS ARP	N410616.294	W1044631.293	156886.8
DI2251	P043 NEWCASTLE_WY2006 CORS ARP	N435252.101	W1041108.484	167896.9

NEAREST NGS PUBLISHED CONTROL POINT

NQ0282 W 99 N423007.000 W1050138.000 556.9

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 181_2019_WY_67191711.19o OP1564671963926

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7Cb0385473b8544bd0964e08d716920b57%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637002688819423032&sdata=6v3RsCTnVgBOfr4wM%2Fal1Z%2FFIfL%2Bpzws5k1ixj9SxuQ%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 01, 2019

RINEX FILE: 181_171u.19o TIME: 15:07:07 UTC

SOFTWARE: page5 1603.24 master96.pl 160321 START: 2019/06/20 20:26:00
 EPHEMERIS: igs20584.eph [precise] STOP: 2019/06/21 01:56:00
 NAV FILE: brdc1710.19n OBS USED: 12249 / 13081 : 94%
 ANT NAME: TRMR10 NONE # FIXED AMB: 67 / 78 : 86%
 ARP HEIGHT: 2.05 OVERALL RMS: 0.021(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.4684)

X: -1209252.246(m) 0.003(m) -1209253.162(m) 0.003(m)
 Y: -4548886.419(m) 0.036(m) -4548885.130(m) 0.036(m)
 Z: 4291907.136(m) 0.034(m) 4291907.042(m) 0.034(m)

LAT: 42 33 4.95400 0.002(m) 42 33 4.97390 0.002(m)
 E LON: 255 6 47.12738 0.006(m) 255 6 47.07407 0.006(m)
 W LON: 104 53 12.87262 0.006(m) 104 53 12.92593 0.006(m)
 EL HGT: 1458.726(m) 0.049(m) 1457.919(m) 0.049(m)
 ORTHO HGT: 1472.950(m) 0.057(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4901 WY E)

Northing (Y) [meters]	4711004.032	227857.929
Easting (X) [meters]	509284.635	222975.536
Convergence [degrees]	0.07647778	0.18918611
Point Scale	0.99960106	0.99994399
Combined Factor	0.99937243	0.99971528

US NATIONAL GRID DESIGNATOR: 13TEH0928411004(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DH7223	NESC SCOTTS BLUFF CNTY CORS ARP	N414937.752	W1033939.720	129349.6
DO2064	WYRF CASPER 2 CORS ARP	N424950.364	W1061938.497	122077.6
DH3858	P042 WHEATLAND_WY2004 CORS ARP	N420305.400	W1045438.096	55572.5

NEAREST NGS PUBLISHED CONTROL POINT

NQ0523 CEDAR N423115.492 W1044838.604 7112.0

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 182_2019_WY_65331723.19o OP1564671930503

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7Ca0f8864c1ac742c7b68208d71691e596%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637002688202408976&sdata=BVOkxLsSk1B4saDRk5AjYdqNqE9l%2F0IDJp7PY%2B9gmek%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 01, 2019

RINEX FILE: 182_172u.19o TIME: 15:06:23 UTC

SOFTWARE: page5 1603.24 master74.pl 160321 START: 2019/06/21 20:54:00
 EPHEMERIS: igs20585.eph [precise] STOP: 2019/06/21 22:57:00
 NAV FILE: brdc1720.19n OBS USED: 3535 / 3752 : 94%
 ANT NAME: TRMR10 NONE # FIXED AMB: 21 / 23 : 91%
 ARP HEIGHT: 2.05 OVERALL RMS: 0.014(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.4710)

X: -1158967.437(m) 0.004(m) -1158968.355(m) 0.004(m)
 Y: -4523185.560(m) 0.009(m) -4523184.274(m) 0.009(m)
 Z: 4332211.681(m) 0.043(m) 4332211.592(m) 0.043(m)

LAT: 43 2 50.10864 0.025(m) 43 2 50.12905 0.025(m)
 E LON: 255 37 42.22726 0.002(m) 255 37 42.17390 0.002(m)
 W LON: 104 22 17.77274 0.002(m) 104 22 17.82610 0.002(m)
 EL HGT: 1277.782(m) 0.036(m) 1276.977(m) 0.036(m)
 ORTHO HGT: 1292.617(m) 0.046(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4901 WY E)

Northing (Y) [meters]	4766253.701	283209.666
Easting (X) [meters]	551180.365	264776.612
Convergence [degrees]	0.42895278	0.54273056
Point Scale	0.99963222	0.99998910
Combined Factor	0.99943195	0.99978876

US NATIONAL GRID DESIGNATOR: 13TEH5118066253(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DO2064	WYRF CASPER 2 CORS ARP	N424950.364	W1061938.497	161464.4
DP1963	SDRC RAPID CITY CORS ARP	N440457.973	W1031332.337	147694.5
DH7223	NESC SCOTTS BLUFF CNTY CORS ARP	N414937.752	W1033939.720	147627.6

NEAREST NGS PUBLISHED CONTROL POINT

OU0291 HIGHWAY 85 ROW MARK N430236.000 W1042156.000 657.6

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 182_2019_WY_65331730.19o OP1564671899638

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C8c69340ff295448b79fd08d71691dca0%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637002688035475701&msdata=uZk0PNOpUJK5kdm9D028DCugpAXFBIK2dFkqmKL%2BgIk%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 01, 2019

RINEX FILE: 182_173r.19o TIME: 15:06:07 UTC

SOFTWARE: page5 1603.24 master54.pl 160321 START: 2019/06/22 17:18:00
 EPHEMERIS: igs20586.eph [precise] STOP: 2019/06/22 22:08:00
 NAV FILE: brdc1730.19n OBS USED: 10384 / 11120 : 93%
 ANT NAME: TRMR10 NONE # FIXED AMB: 59 / 64 : 92%
 ARP HEIGHT: 2.05 OVERALL RMS: 0.015(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.4735)

X: -1158967.454(m) 0.008(m) -1158968.372(m) 0.008(m)
 Y: -4523185.557(m) 0.020(m) -4523184.271(m) 0.020(m)
 Z: 4332211.690(m) 0.021(m) 4332211.601(m) 0.021(m)

LAT: 43 2 50.10882 0.008(m) 43 2 50.12923 0.008(m)
 E LON: 255 37 42.22650 0.011(m) 255 37 42.17311 0.011(m)
 W LON: 104 22 17.77350 0.011(m) 104 22 17.82689 0.011(m)
 EL HGT: 1277.789(m) 0.027(m) 1276.984(m) 0.027(m)
 ORTHO HGT: 1292.624(m) 0.040(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4901 WY E)

Northing (Y) [meters] 4766253.706 283209.671
 Easting (X) [meters] 551180.347 264776.595
 Convergence [degrees] 0.42895278 0.54273056
 Point Scale 0.99963222 0.99998910
 Combined Factor 0.99943195 0.99978876

US NATIONAL GRID DESIGNATOR: 13TEH5118066253(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DP1963	SDRC RAPID CITY CORS ARP	N440457.973	W1031332.337	147694.5
DO2064	WYRF CASPER 2 CORS ARP	N424950.364	W1061938.497	161464.4
DH7223	NESC SCOTTS BLUFF CNTY CORS ARP	N414937.752	W1033939.720	147627.6

NEAREST NGS PUBLISHED CONTROL POINT

OU0291 HIGHWAY 85 ROW MARK N430236.000 W1042156.000 657.6

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 182_2019_WY_67191721.19o OP1564671863452

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7Cfa23756546474cf8e16808d71691be60%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637002687529962540&sdata=eXMH%2BYxmv6zvLbcJHqe0ZATBStlGozFU%2F35JzmUChyo%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 01, 2019

RINEX FILE: 182_172r.19o TIME: 15:05:13 UTC

SOFTWARE: page5 1603.24 master97.pl 160321 START: 2019/06/21 17:44:00
 EPHEMERIS: igs20585.eph [precise] STOP: 2019/06/21 20:18:00
 NAV FILE: brdc1720.19n OBS USED: 5710 / 6029 : 95%
 ANT NAME: TRMR10 NONE # FIXED AMB: 31 / 37 : 84%
 ARP HEIGHT: 2.05 OVERALL RMS: 0.015(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.4707)

X: -1158967.444(m) 0.006(m) -1158968.362(m) 0.006(m)
 Y: -4523185.577(m) 0.020(m) -4523184.291(m) 0.020(m)
 Z: 4332211.705(m) 0.041(m) 4332211.616(m) 0.041(m)

LAT: 43 2 50.10882 0.016(m) 43 2 50.12923 0.016(m)
 E LON: 255 37 42.22715 0.002(m) 255 37 42.17376 0.002(m)
 W LON: 104 22 17.77285 0.002(m) 104 22 17.82624 0.002(m)
 EL HGT: 1277.812(m) 0.043(m) 1277.007(m) 0.043(m)
 ORTHO HGT: 1292.647(m) 0.052(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4901 WY E)

Northing (Y) [meters]	4766253.707	283209.671
Easting (X) [meters]	551180.362	264776.610
Convergence [degrees]	0.42895278	0.54273056
Point Scale	0.99963222	0.99998910
Combined Factor	0.99943194	0.99978875

US NATIONAL GRID DESIGNATOR: 13TEH5118066253(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DO2064	WYRF CASPER 2 CORS ARP	N424950.364	W1061938.497	161464.4
DP1963	SDRC RAPID CITY CORS ARP	N440457.973	W1031332.337	147694.5
DH7223	NESC SCOTTS BLUFF CNTY CORS ARP	N414937.752	W1033939.720	147627.6

NEAREST NGS PUBLISHED CONTROL POINT

OU0291 HIGHWAY 85 ROW MARK N430236.000 W1042156.000 657.6

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 183_2019_WY_15201990.19o OP1566411811346

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C29a9f69e142e442cef4608d72664f6a9%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637020087386531779&data=zlXEGjl7RFQeLvmAqLN2Zqu2aSlTAagSSLBe78SkxvA%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 21, 2019

RINEX FILE: 183_199p.19o TIME: 18:24:46 UTC

SOFTWARE: page5 1603.24 master50.pl 160321 START: 2019/07/18 15:20:00
 EPHEMERIS: igs20624.eph [precise] STOP: 2019/07/18 22:06:00
 NAV FILE: brdc1990.19n OBS USED: 14893 / 15494 : 96%
 ANT NAME: TRMR8-4 NONE # FIXED AMB: 73 / 77 : 95%
 ARP HEIGHT: 2.0000 OVERALL RMS: 0.014(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.5446)

X: -1144366.160(m) 0.005(m) -1144367.081(m) 0.005(m)
 Y: -4503535.304(m) 0.017(m) -4503534.020(m) 0.017(m)
 Z: 4356142.478(m) 0.021(m) 4356142.392(m) 0.021(m)

LAT: 43 20 37.62542 0.005(m) 43 20 37.64602 0.005(m)
 E LON: 255 44 33.58759 0.003(m) 255 44 33.53392 0.003(m)
 W LON: 104 15 26.41241 0.003(m) 104 15 26.46608 0.003(m)
 EL HGT: 1145.629(m) 0.027(m) 1144.830(m) 0.027(m)
 ORTHO HGT: 1160.758(m) 0.040(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4901 WY E)

Northing (Y) [meters]	4799260.445	316246.133
Easting (X) [meters]	560194.779	273728.490
Convergence [degrees]	0.50976111	0.62416944
Point Scale	0.99964457	1.00000434
Combined Factor	0.99946501	0.99982472

US NATIONAL GRID DESIGNATOR: 13TEH6019499260(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DP1963	SDRC RAPID CITY CORS ARP	N440457.973	W1031332.337	116868.7
DO2064	WYRF CASPER 2 CORS ARP	N424950.364	W1061938.497	177959.4
DH3858	P042 WHEATLAND_WY2004 CORS ARP	N420305.400	W1045438.096	153236.3

NEAREST NGS PUBLISHED CONTROL POINT

OU0108 E 53 N431640.000 W1041032.000 9889.3

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 184_2019_WY_15202021.19o OP1566410525854

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C52e0f9f5cd824c3c5b4a08d726620250%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637020074698984130&sdata=LRnBibQ6qKloPLLiCAfjpscPllw69PEx8ugUXGEHwVg%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 21, 2019

RINEX FILE: 184_202p.19o TIME: 18:03:35 UTC

SOFTWARE: page5 1603.24 master80.pl 160321 START: 2019/07/21 15:20:00
 EPHEMERIS: igs20630.eph [precise] STOP: 2019/07/21 22:19:00
 NAV FILE: brdc2020.19n OBS USED: 14670 / 15624 : 94%
 ANT NAME: TRMR8-4 NONE # FIXED AMB: 81 / 95 : 85%
 ARP HEIGHT: 2.0000 OVERALL RMS: 0.019(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.5528)

X: -1125131.303(m) 0.001(m) -1125132.232(m) 0.001(m)
 Y: -4404140.592(m) 0.025(m) -4404139.322(m) 0.025(m)
 Z: 4461191.272(m) 0.022(m) 4461191.199(m) 0.022(m)

LAT: 44 39 19.76206 0.004(m) 44 39 19.78315 0.004(m)
 E LON: 255 40 8.75600 0.007(m) 255 40 8.70089 0.007(m)
 W LON: 104 19 51.24400 0.007(m) 104 19 51.29911 0.007(m)
 EL HGT: 1416.543(m) 0.033(m) 1415.780(m) 0.033(m)
 ORTHO HGT: 1430.694(m) 0.044(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4901 WY E)

Northing (Y) [meters]	4944898.523	461921.675
Easting (X) [meters]	553050.306	266287.057
Convergence [degrees]	0.47028056	0.58743333
Point Scale	0.99963461	0.99999151
Combined Factor	0.99941264	0.99976946

US NATIONAL GRID DESIGNATOR: 13TEK5305044898(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DP1963	SDRC RAPID CITY CORS ARP	N440457.973	W1031332.337	108697.1
DO2064	WYRF CASPER 2 CORS ARP	N424950.364	W1061938.497	258813.1
DQ9796	MTLG MTLG LODGE GRASS CORS ARP	N451844.662	W1072030.205	248443.5

NEAREST NGS PUBLISHED CONTROL POINT

PV0460 SCHOOLMARM N443548.600 W1041325.472 10714.6

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 185_15202030.19o OP1566410559657

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C7ada0914a6ef423ef82508d726622684%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637020075305144495&sdata=evSwD8OfAuUyHzb3YCcmvHqxqf9TxG8xnHj6U%2FVi%2Bc%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 21, 2019

RINEX FILE: 185_203p.19o TIME: 18:04:42 UTC

SOFTWARE: page5 1603.24 master95.pl 160321 START: 2019/07/22 15:35:00
 EPHEMERIS: igs20631.eph [precise] STOP: 2019/07/22 22:56:00
 NAV FILE: brdc2030.19n OBS USED: 16061 / 17144 : 94%
 ANT NAME: TRMR8-4 NONE # FIXED AMB: 83 / 88 : 94%
 ARP HEIGHT: 2.0000 OVERALL RMS: 0.015(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.5556)

X: -1152322.422(m) 0.004(m) -1152323.351(m) 0.004(m)
 Y: -4399247.005(m) 0.019(m) -4399245.736(m) 0.019(m)
 Z: 4458719.001(m) 0.012(m) 4458718.927(m) 0.012(m)

LAT: 44 37 35.61712 0.009(m) 44 37 35.63800 0.009(m)
 E LON: 255 19 18.89983 0.008(m) 255 19 18.84446 0.008(m)
 W LON: 104 40 41.10017 0.008(m) 104 40 41.15554 0.008(m)
 EL HGT: 1154.050(m) 0.018(m) 1153.292(m) 0.018(m)
 ORTHO HGT: 1168.104(m) 0.034(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4901 WY E)

Northing (Y) [meters]	4941517.741	458483.448
Easting (X) [meters]	525536.225	238770.246
Convergence [degrees]	0.22614167	0.34322500
Point Scale	0.99960802	0.99995598
Combined Factor	0.99942718	0.99977507

US NATIONAL GRID DESIGNATOR: 13TEK2553641517(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DO2064	WYRF CASPER 2 CORS ARP	N424950.364	W1061938.497	239762.0
DP1963	SDRC RAPID CITY CORS ARP	N440457.973	W1031332.337	130632.4
DQ9796	MTLG MTLG LODGE GRASS CORS ARP	N451844.662	W1072030.205	223540.8

NEAREST NGS PUBLISHED CONTROL POINT

PV0523 DEVILS TOWER TOP CENTER N443525.941 W1044254.654 4969.4

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 186_15202060.19o OP1566410606712

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C1b06176f149b423cc96408d726627233%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637020076572448671&sdata=Rfl%2BxuN9SCTVMZhtVRDvlGBjPAIZe5fdJwS9DT0I4I8%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 21, 2019

RINEX FILE: 186_206r.19o TIME: 18:06:57 UTC

SOFTWARE: page5 1603.24 master81.pl 160321 START: 2019/07/25 17:57:00
 EPHEMERIS: igs20634.eph [precise] STOP: 2019/07/25 23:17:00
 NAV FILE: brdc2060.19n OBS USED: 11837 / 12528 : 94%
 ANT NAME: TRMR8-4 NONE # FIXED AMB: 88 / 95 : 93%
 ARP HEIGHT: 2.0000 OVERALL RMS: 0.014(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.5640)

X: -1177271.685(m) 0.004(m) -1177272.615(m) 0.004(m)
 Y: -4389408.867(m) 0.012(m) -4389407.600(m) 0.012(m)
 Z: 4461992.475(m) 0.012(m) 4461992.402(m) 0.012(m)

LAT: 44 40 2.00312 0.005(m) 44 40 2.02382 0.005(m)
 E LON: 254 59 10.32292 0.006(m) 254 59 10.26726 0.006(m)
 W LON: 105 0 49.67708 0.006(m) 105 0 49.73274 0.006(m)
 EL HGT: 1236.691(m) 0.015(m) 1235.940(m) 0.015(m)
 ORTHO HGT: 1251.222(m) 0.033(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4901 WY E)

Northing (Y) [meters]	4945984.278	462897.055
Easting (X) [meters]	498906.136	212121.924
Convergence [degrees]	-0.00970000	0.10746389
Point Scale	0.99960001	0.99993931
Combined Factor	0.99940622	0.99974546

US NATIONAL GRID DESIGNATOR: 13TDK9890645984(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DP1963	SDRC RAPID CITY CORS ARP	N440457.973	W1031332.337	156633.1
DO2064	WYRF CASPER 2 CORS ARP	N424950.364	W1061938.497	229884.1
DQ9796	MTLG MTLG LODGE GRASS CORS ARP	N451844.662	W1072030.205	197105.1

NEAREST NGS PUBLISHED CONTROL POINT

PV0182 H 60 N444043.000 W1050051.000 1265.8

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 187_15202107.19o OP1566410645652

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C68b4ed454028442fc14a08d72662972e%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637020077193383857&sdata=uJw9PHGtp6PBr1irINIXBjiCODFP%2Bt4n98Fum3LNdm4%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 21, 2019

RINEX FILE: 187_210r.19o TIME: 18:07:59 UTC

SOFTWARE: page5 1603.24 master57.pl 160321 START: 2019/07/29 17:39:00
 EPHEMERIS: igs20641.eph [precise] STOP: 2019/07/30 00:16:00
 NAV FILE: brdc2100.19n OBS USED: 15129 / 15531 : 97%
 ANT NAME: TRMR8-4 NONE # FIXED AMB: 75 / 81 : 93%
 ARP HEIGHT: 2.0000 OVERALL RMS: 0.013(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.5750)

X: -1129423.489(m) 0.005(m) -1129424.427(m) 0.005(m)
 Y: -4289908.247(m) 0.004(m) -4289906.992(m) 0.004(m)
 Z: 4568773.385(m) 0.014(m) 4568773.326(m) 0.014(m)

LAT: 46 2 11.22259 0.007(m) 46 2 11.24401 0.007(m)
 E LON: 255 15 0.67882 0.003(m) 255 15 0.62176 0.003(m)
 W LON: 104 44 59.32118 0.003(m) 104 44 59.37824 0.003(m)
 EL HGT: 989.636(m) 0.012(m) 988.917(m) 0.012(m)
 ORTHO HGT: 1005.602(m) 0.020(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (2500 MT)

Northing (Y) [meters]	5098127.854	209669.705
Easting (X) [meters]	519359.952	967327.823
Convergence [degrees]	0.18008056	3.47478333
Point Scale	0.99960461	0.99953638
Combined Factor	0.99944955	0.99938133

US NATIONAL GRID DESIGNATOR: 13TEL1935998127(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DQ9796	MTLG MTLG LODGE GRASS CORS ARP	N451844.662	W1072030.205	217406.4
DQ3889	NDDI NDDICKINSON CORS ARP	N465305.851	W1024436.708	180699.6
DI3425	P052 LRRNCHJRDNMT2006 CORS ARP	N472229.026	W1070107.185	228556.5

NEAREST NGS PUBLISHED CONTROL POINT

RT0466 LILY N460209.688 W1044502.016 74.8

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 187_15202110.19o OP1566410676144

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C8b87ca020e4649b8330b08d7266295f1%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637020077173381422&sdata=uwdG0rpjKxQe%2FcuvKaWnOkA0hAz1jhmpCBgKMubbNLw%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 21, 2019

RINEX FILE: 187_2110.19o TIME: 18:07:59 UTC

SOFTWARE: page5 1603.24 master75.pl 160321 START: 2019/07/30 14:35:00
 EPHEMERIS: igs20642.eph [precise] STOP: 2019/07/30 21:12:00
 NAV FILE: brdc2110.19n OBS USED: 14899 / 15312 : 97%
 ANT NAME: TRMR8-4 NONE # FIXED AMB: 61 / 65 : 94%
 ARP HEIGHT: 2.0000 OVERALL RMS: 0.014(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.5774)

X: -1129423.491(m) 0.003(m) -1129424.429(m) 0.003(m)
 Y: -4289908.245(m) 0.003(m) -4289906.990(m) 0.003(m)
 Z: 4568773.382(m) 0.003(m) 4568773.323(m) 0.003(m)

LAT: 46 2 11.22256 0.001(m) 46 2 11.24398 0.001(m)
 E LON: 255 15 0.67871 0.003(m) 255 15 0.62165 0.003(m)
 W LON: 104 44 59.32129 0.003(m) 104 44 59.37835 0.003(m)
 EL HGT: 989.633(m) 0.004(m) 988.914(m) 0.004(m)
 ORTHO HGT: 1005.599(m) 0.016(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (2500 MT)

Northing (Y) [meters]	5098127.853	209669.704
Easting (X) [meters]	519359.950	967327.821
Convergence [degrees]	0.18008056	3.47478333
Point Scale	0.99960461	0.99953638
Combined Factor	0.99944955	0.99938133

US NATIONAL GRID DESIGNATOR: 13TEL1935998127(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DQ3889	NDDI NDDICKINSON CORS ARP	N465305.851	W1024436.708	180699.6
DQ9788	MTCB MTCB CULBERTSON CORS ARP	N480849.774	W1043011.221	235414.8
DI3425	P052 LRRNCHJRDNMT2006 CORS ARP	N472229.026	W1070107.185	228556.5

NEAREST NGS PUBLISHED CONTROL POINT

RT0466 LILY N460209.688 W1044502.016 74.8

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 188_15202111.19o OP1566410707708

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7Ce34be1ed93fb4d8bb41708d726629b6b%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637020077270381709&sdata=nNZ7UrmSi1uqEP3ReG8BpLicYeM3LMIJ4xSSknqAvas%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 21, 2019

RINEX FILE: 188_211w.19o TIME: 18:08:05 UTC

SOFTWARE: page5 1603.24 master80.pl 160321 START: 2019/07/30 22:05:00
 EPHEMERIS: igs20642.eph [precise] STOP: 2019/07/31 02:18:00
 NAV FILE: brdc2110.19n OBS USED: 11032 / 11424 : 97%
 ANT NAME: TRMR8-4 NONE # FIXED AMB: 60 / 67 : 90%
 ARP HEIGHT: 2.0000 OVERALL RMS: 0.017(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.5781)

X: -1124304.746(m) 0.004(m) -1124305.682(m) 0.004(m)
 Y: -4313128.884(m) 0.022(m) -4313127.626(m) 0.022(m)
 Z: 4548299.782(m) 0.009(m) 4548299.720(m) 0.009(m)

LAT: 45 46 17.60794 0.015(m) 45 46 17.62932 0.015(m)
 E LON: 255 23 23.33152 0.004(m) 255 23 23.27492 0.004(m)
 W LON: 104 36 36.66848 0.004(m) 104 36 36.72508 0.004(m)
 EL HGT: 1014.254(m) 0.017(m) 1013.525(m) 0.017(m)
 ORTHO HGT: 1030.218(m) 0.023(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (2500 MT)

Northing (Y) [meters]	5068740.381	180961.154
Easting (X) [meters]	530308.195	979947.239
Convergence [degrees]	0.27933056	3.57691944
Point Scale	0.99961129	0.99962461
Combined Factor	0.99945237	0.99946569

US NATIONAL GRID DESIGNATOR: 13TEL3030868740(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DP1963	SDRC RAPID CITY CORS ARP	N440457.973	W1031332.337	217200.5
DQ3889	NDDI NDDICKINSON CORS ARP	N465305.851	W1024436.708	189689.2
DI2263	P055 GLENDIVEWTMT2006 CORS ARP	N470700.145	W1044106.394	149654.3

NEAREST NGS PUBLISHED CONTROL POINT

QU0343 5 RCN N454703.000 W1043633.000 1403.7

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 188_15202120.19o OP1566410764151

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7Cb62d0ce7000045a62ea908d72662a1e6%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637020077374771800&sdata=Py4SpFb1PaJ0zQWfqokQc41Xj7%2BBGyZq695qDN2WbCc%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 21, 2019

RINEX FILE: 188_212n.19o TIME: 18:08:15 UTC

SOFTWARE: page5 1603.24 master81.pl 160321 START: 2019/07/31 13:28:00
 EPHEMERIS: igs20643.eph [precise] STOP: 2019/07/31 22:00:00
 NAV FILE: brdc2120.19n OBS USED: 19658 / 20633 : 95%
 ANT NAME: TRMR8-4 NONE # FIXED AMB: 83 / 92 : 90%
 ARP HEIGHT: 2.0000 OVERALL RMS: 0.016(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.5801)

X: -1124304.746(m) 0.007(m) -1124305.682(m) 0.007(m)
 Y: -4313128.866(m) 0.009(m) -4313127.608(m) 0.009(m)
 Z: 4548299.765(m) 0.005(m) 4548299.703(m) 0.005(m)

LAT: 45 46 17.60797 0.007(m) 45 46 17.62932 0.007(m)
 E LON: 255 23 23.33134 0.006(m) 255 23 23.27471 0.006(m)
 W LON: 104 36 36.66866 0.006(m) 104 36 36.72529 0.006(m)
 EL HGT: 1014.230(m) 0.008(m) 1013.501(m) 0.008(m)
 ORTHO HGT: 1030.194(m) 0.017(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (2500 MT)

Northing (Y) [meters] 5068740.383 180961.155
 Easting (X) [meters] 530308.191 979947.235
 Convergence [degrees] 0.27932778 3.57691944
 Point Scale 0.99961129 0.99962461
 Combined Factor 0.99945237 0.99946569

US NATIONAL GRID DESIGNATOR: 13TEL3030868740(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DQ4192	MTRC RICHLAND CNTY MT CORS ARP	N474238.176	W1041051.205	218054.2
DQ3889	NDDI NDDICKINSON CORS ARP	N465305.851	W1024436.708	189689.2
DP1963	SDRC RAPID CITY CORS ARP	N440457.973	W1031332.337	217200.5

NEAREST NGS PUBLISHED CONTROL POINT

QU0343 5 RCN N454703.000 W1043633.000 1403.7

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 189_15202133.19o OP1566410803234

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C03acf34ed3b1407f50c008d72662b290%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637020077650803791&sdata=o1BI%2B1UPS YvyV%2FbfuHKix3H039JweddQ6sSXZhTYD%2BA%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 21, 2019

RINEX FILE: 189_213v.19o

TIME: 18:08:36 UTC

SOFTWARE: page5 1603.24 master94.pl 160321 START: 2019/08/01 21:24:00
 EPHEMERIS: igs20644.eph [precise] STOP: 2019/08/02 02:05:00
 NAV FILE: brdc2130.19n OBS USED: 12106 / 12606 : 96%
 ANT NAME: TRMR8-4 NONE # FIXED AMB: 60 / 60 : 100%
 ARP HEIGHT: 2.0000 OVERALL RMS: 0.014(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.5835)

X: -1092703.162(m) 0.016(m) -1092704.099(m) 0.016(m)
 Y: -4312772.877(m) 0.006(m) -4312771.618(m) 0.006(m)
 Z: 4556207.368(m) 0.017(m) 4556207.308(m) 0.017(m)

LAT: 45 52 26.77699 0.010(m) 45 52 26.79866 0.010(m)
 E LON: 255 46 56.90381 0.016(m) 255 46 56.84736 0.016(m)
 W LON: 104 13 3.09619 0.016(m) 104 13 3.15264 0.016(m)
 EL HGT: 963.235(m) 0.014(m) 962.502(m) 0.014(m)
 ORTHO HGT: 979.367(m) 0.021(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (2500 MT)

Northing (Y) [meters] 5080357.474 194309.734
 Easting (X) [meters] 560725.929 1009645.176
 Convergence [degrees] 0.56168611 3.86415278
 Point Scale 0.99964533 0.99958797
 Combined Factor 0.99949440 0.99943705

US NATIONAL GRID DESIGNATOR: 13TEL6072580357(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DQ3889	NDDI NDDICKINSON CORS ARP	N465305.851	W1024436.708	159651.6
DP1963	SDRC RAPID CITY CORS ARP	N440457.973	W1031332.337	213912.7
DI2263	P055 GLENDIVEWTMT2006 CORS ARP	N470700.145	W1044106.394	142731.7

NEAREST NGS PUBLISHED CONTROL POINT

QU0292 ELDER N455008.599 W1041110.505 4909.2

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 190_15202141.19o OP1566410830684

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C9696053d2bb34e576bd408d72662aa40%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637020077525659555&sdata=HpxMlwBGjTz5r8kqmNPbVJYi%2FplMrZMO5XmUj4FLTY0%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 21, 2019

RINEX FILE: 190_214r.19o TIME: 18:08:29 UTC

SOFTWARE: page5 1603.24 master78.pl 160321 START: 2019/08/02 17:08:00
 EPHEMERIS: igs20645.eph [precise] STOP: 2019/08/02 23:26:00
 NAV FILE: brdc2140.19n OBS USED: 13887 / 14842 : 94%
 ANT NAME: TRMR8-4 NONE # FIXED AMB: 73 / 80 : 91%
 ARP HEIGHT: 2.0000 OVERALL RMS: 0.018(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.5859)

X: -1095286.357(m) 0.006(m) -1095287.292(m) 0.006(m)
 Y: -4337423.710(m) 0.011(m) -4337422.448(m) 0.011(m)
 Z: 4532404.858(m) 0.024(m) 4532404.795(m) 0.024(m)

LAT: 45 33 59.82642 0.024(m) 45 33 59.84798 0.024(m)
 E LON: 255 49 40.59732 0.008(m) 255 49 40.54127 0.008(m)
 W LON: 104 10 19.40268 0.008(m) 104 10 19.45873 0.008(m)
 EL HGT: 1049.073(m) 0.012(m) 1048.332(m) 0.012(m)
 ORTHO HGT: 1065.062(m) 0.020(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (2500 MT)

Northing (Y) [meters]	5046231.005	160463.875
Easting (X) [meters]	564608.226	1015488.014
Convergence [degrees]	0.59122500	3.89741389
Point Scale	0.99965132	0.99970717
Combined Factor	0.99948693	0.99954278

US NATIONAL GRID DESIGNATOR: 13TEL6460846231(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DQ4192	MTRC RICHLAND CNTY MT CORS ARP	N474238.176	W1041051.205	238351.7
DQ3889	NDDI NDDICKINSON CORS ARP	N465305.851	W1024436.708	183369.9
DP1963	SDRC RAPID CITY CORS ARP	N440457.973	W1031332.337	181109.0

NEAREST NGS PUBLISHED CONTROL POINT

QU0017 G 34 N453330.000 W1041016.000 923.8

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 191_65332150.19o OP1566407648054

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C9f68008458ed43c0899408d7265b921b%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637020047044023846&sdata=UlhdsdeH%2FVIFn3RYlpqydAAf1Cvybqm1HFpLAYcfigl%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 21, 2019

RINEX FILE: 191_215t.19o TIME: 17:17:32 UTC

SOFTWARE: page5 1603.24 master94.pl 160321 START: 2019/08/03 19:12:00
 EPHEMERIS: igs20646.eph [precise] STOP: 2019/08/04 02:03:00
 NAV FILE: brdc2150.19n OBS USED: 11937 / 13024 : 92%
 ANT NAME: TRMR10 NONE # FIXED AMB: 79 / 90 : 88%
 ARP HEIGHT: 2.05 OVERALL RMS: 0.020(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.5888)

X: -1158114.825(m) 0.011(m) -1158115.759(m) 0.011(m)
 Y: -4339327.639(m) 0.008(m) -4339326.379(m) 0.008(m)
 Z: 4515081.658(m) 0.034(m) 4515081.591(m) 0.034(m)

LAT: 45 20 39.23027 0.024(m) 45 20 39.25126 0.024(m)
 E LON: 255 3 24.26263 0.009(m) 255 3 24.20626 0.009(m)
 W LON: 104 56 35.73737 0.009(m) 104 56 35.79374 0.009(m)
 EL HGT: 1073.340(m) 0.029(m) 1072.606(m) 0.029(m)
 ORTHO HGT: 1088.320(m) 0.033(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (2500 MT)

Northing (Y) [meters]	5021192.783	132000.086
Easting (X) [meters]	504445.092	956857.725
Convergence [degrees]	0.04036111	3.33327500
Point Scale	0.99960024	0.99981082
Combined Factor	0.99943206	0.99964260

US NATIONAL GRID DESIGNATOR: 13TELO444521192(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DQ3889	NDDI NDDICKINSON CORS ARP	N465305.851	W1024436.708	241340.6
DI2251	P043 NEWCASTLE_WY2006 CORS ARP	N435252.101	W1041108.484	173376.6
DQ9796	MTLG MTLG LODGE GRASS CORS ARP	N451844.662	W1072030.205	188078.9

NEAREST NGS PUBLISHED CONTROL POINT

QU0301 CROW N452128.219 W1045915.828 3798.9

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: A_47_67192320.19o OP1569599788042

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C558807d6e50b472914b308d743635949%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637051966294456609&sdata=1FezHVUVKJgAL4zvui%2FVnEsxPm%2BihtbVvvKj4ooSDz4%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: September 27, 2019

RINEX FILE: a_47232t.19o TIME: 15:57:00 UTC

SOFTWARE: page5 1801.18 master81.pl 160321 START: 2019/08/20 19:10:00
 EPHEMERIS: igs20672.eph [precise] STOP: 2019/08/20 21:30:00
 NAV FILE: brdc2320.19n OBS USED: 5360 / 6268 : 86%
 ANT NAME: TRMR10 NONE # FIXED AMB: 42 / 44 : 95%
 ARP HEIGHT: 2.05 OVERALL RMS: 0.015(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2019.6352)

X: -1552440.152(m) 0.011(m) -1552441.083(m) 0.011(m)
 Y: -4366824.439(m) 0.015(m) -4366823.180(m) 0.015(m)
 Z: 4370274.745(m) 0.010(m) 4370274.659(m) 0.010(m)

LAT: 43 30 39.26754 0.013(m) 43 30 39.28500 0.013(m)
 E LON: 250 25 45.49181 0.007(m) 250 25 45.43399 0.007(m)
 W LON: 109 34 14.50819 0.007(m) 109 34 14.56601 0.007(m)
 EL HGT: 2082.813(m) 0.016(m) 2082.120(m) 0.016(m)
 ORTHO HGT: 2091.240(m) 0.055(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4903 WYWC)

Northing (Y) [meters]	4818545.002	334738.128
Easting (X) [meters]	615530.903	533640.751
Convergence [degrees]	0.98417222	-0.56506389
Point Scale	0.99976418	0.99999165
Combined Factor	0.99943775	0.99966514

US NATIONAL GRID DESIGNATOR: 12TXP1553018545(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DG5942	BLW2 BOULDER CORS ARP	N424601.637	W1093328.036	82665.4
DG8532	TSWY TSWY_EBRY_WY2001 CORS ARP	N434026.703	W1103550.864	84900.7
DH7135	IDDR DRIGGS CORS ARP	N434446.001	W1110636.921	127003.7

NEAREST NGS PUBLISHED CONTROL POINT

OW0158 A 47 N433039.267 W1093414.508 0.0

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: CRMS_12_15202050.19o OP1566408886341

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7Caf333295a614eeda1fe08d7265e1a89%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637020057929463180&sdata=BENcP1h3KfuIxZ1tUldbx4Jz5%2BUdoKmGMcplw2rApl%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 21, 2019

RINEX FILE: crms205n.19o

TIME: 17:36:02 UTC

SOFTWARE: page5 1603.24 master75.pl 160321 START: 2019/07/24 13:48:00
 EPHEMERIS: igs20633.eph [precise] STOP: 2019/07/24 21:42:00
 NAV FILE: brdc2050.19n OBS USED: 18379 / 19241 : 96%
 ANT NAME: TRMR8-4 NONE # FIXED AMB: 102 / 106 : 96%
 ARP HEIGHT: 2.0000 OVERALL RMS: 0.014(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.5609)

X: -1171582.295(m) 0.004(m) -1171583.222(m) 0.004(m)
 Y: -4422732.113(m) 0.015(m) -4422730.841(m) 0.015(m)
 Z: 4430730.679(m) 0.017(m) 4430730.602(m) 0.017(m)

LAT: 44 16 22.02809 0.006(m) 44 16 22.04872 0.006(m)
 E LON: 255 9 47.23178 0.006(m) 255 9 47.17670 0.006(m)
 W LON: 104 50 12.76822 0.006(m) 104 50 12.82330 0.006(m)
 EL HGT: 1268.762(m) 0.022(m) 1267.998(m) 0.022(m)
 ORTHO HGT: 1282.968(m) 0.036(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4901 WY E)

Northing (Y) [meters]	4902184.196	419110.863
Easting (X) [meters]	513017.929	226327.796
Convergence [degrees]	0.11386944	0.23021667
Point Scale	0.99960208	0.99994602
Combined Factor	0.99940326	0.99974713

US NATIONAL GRID DESIGNATOR: 13TEK1301702184(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DP1963	SDRC RAPID CITY CORS ARP	N440457.973	W1031332.337	130581.5
DO2064	WYRF CASPER 2 CORS ARP	N424950.364	W1061938.497	200475.5
DQ9796	MTLG MTLG LODGE GRASS CORS ARP	N451844.662	W1072030.205	229435.8

NEAREST NGS PUBLISHED CONTROL POINT

PV0646 CRMS 12 N441621.000 W1045013.000 32.1

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: J_20_1.5 OP1570032026818

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7Ce968e66ad5474953b95008d74751da45%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637056289203148725&sdata=Ra%2FJ9I9kJVT6TDI3x5NPnLCX9PZpOpQEKTUUiOmcyg%3D&reserved=0>

USER: michael.zarlengo@woolpert.com

DATE: October 02, 2019

RINEX FILE: j_20261t.19o

TIME: 16:01:41 UTC

SOFTWARE: page5 1801.18 master91.pl 160321 START: 2019/09/18 19:43:00
 EPHEMERIS: igr20713.eph [rapid] STOP: 2019/09/19 00:16:00
 NAV FILE: brdc2610.19n OBS USED: 12570 / 13049 : 96%
 ANT NAME: TRMR8-4 NONE # FIXED AMB: 73 / 76 : 96%
 ARP HEIGHT: 1.5 OVERALL RMS: 0.012(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2019.7149)

X: -1531727.433(m) 0.004(m) -1531728.360(m) 0.004(m)
 Y: -4466360.882(m) 0.011(m) -4466359.603(m) 0.011(m)
 Z: 4276899.068(m) 0.008(m) 4276898.975(m) 0.008(m)

LAT: 42 21 41.67601 0.005(m) 42 21 41.69362 0.005(m)
 E LON: 251 4 14.59790 0.001(m) 251 4 14.54149 0.001(m)
 W LON: 108 55 45.40210 0.001(m) 108 55 45.45851 0.001(m)
 EL HGT: 2275.826(m) 0.014(m) 2275.092(m) 0.014(m)
 ORTHO HGT: 2288.149(m) 0.049(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (1001 GA E)

Northing (Y) [meters] 4691999.683 1733113.641
 Easting (X) [meters] 670521.459 -2009409.626
 Convergence [degrees] 1.39560278 -18.77672778
 Point Scale 0.99995778 1.06064339
 Combined Factor 0.99960099 1.06026495

US NATIONAL GRID DESIGNATOR: 12TXM7052191999(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DI2248	P032 RAWLINSWWTWY2005 CORS ARP	N414430.003	W1071521.278	154742.7
DJ8989	P030 KEMMERERLFWY2005 CORS ARP	N414459.315	W1103046.067	147691.6
DG8532	TSWY TSWY_EBRY_WY2001 CORS ARP	N434026.703	W1103550.864	199434.2

NEAREST NGS PUBLISHED CONTROL POINT

NS0030 J 20 N422141.676 W1085545.402 0.0

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: J_20_HI OP1570032130071

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C5f79cd4fa4674c90bc1b08d747520f84%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637056290087813781&sdata=7rYkewc7EgoTiKLYJlmEI8ngK5XDIE3yjZV%2BU%2F%2Fe3tA%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: October 02, 2019

RINEX FILE: j_20262p.19o

TIME: 16:03:18 UTC

SOFTWARE: page5 1801.18 master76.pl 160321 START: 2019/09/19 15:23:00
 EPHEMERIS: igr20714.eph [rapid] STOP: 2019/09/19 20:11:00
 NAV FILE: brdc2620.19n OBS USED: 10770 / 11249 : 96%
 ANT NAME: TRMR8-4 NONE # FIXED AMB: 48 / 51 : 94%
 ARP HEIGHT: 1.5 OVERALL RMS: 0.014(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2019.7171)

X: -1531727.432(m) 0.010(m) -1531728.359(m) 0.010(m)
 Y: -4466360.895(m) 0.011(m) -4466359.616(m) 0.011(m)
 Z: 4276899.069(m) 0.018(m) 4276898.976(m) 0.018(m)

LAT: 42 21 41.67576 0.004(m) 42 21 41.69340 0.004(m)
 E LON: 251 4 14.59816 0.006(m) 251 4 14.54171 0.006(m)
 W LON: 108 55 45.40184 0.006(m) 108 55 45.45829 0.006(m)
 EL HGT: 2275.836(m) 0.022(m) 2275.101(m) 0.022(m)
 ORTHO HGT: 2288.159(m) 0.052(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4903 WYWC)

Northing (Y) [meters]	4691999.675	206753.545
Easting (X) [meters]	670521.465	585231.961
Convergence [degrees]	1.39560278	-0.12080000
Point Scale	0.99995778	0.99994018
Combined Factor	0.99960099	0.99958340

US NATIONAL GRID DESIGNATOR: 12TXM7052191999(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DG8532	TSWY TSWY_EBRY_WY2001 CORS ARP	N434026.703	W1103550.864	199434.2
DG5942	BLW2 BOULDER CORS ARP	N424601.637	W1093328.036	68529.3
DJ8989	P030 KEMMERERLFWY2005 CORS ARP	N414459.315	W1103046.067	147691.6

NEAREST NGS PUBLISHED CONTROL POINT

NS0030 J 20 N422141.676 W1085545.402 0.0

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: K_370_15202010.19o OP1566408963425

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7Cc21e94cdcd3f4bbf452808d7265e8562%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637020059715905413&sdata=Ptc884rrzC76KQ5DeNgW1hNe%2FaCHSdD8RPGuRxQUzk8%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 21, 2019

RINEX FILE: k_372010.19o TIME: 17:39:00 UTC

SOFTWARE: page5 1603.24 master51.pl 160321 START: 2019/07/20 14:15:00
 EPHEMERIS: igs20626.eph [precise] STOP: 2019/07/20 23:59:30
 NAV FILE: brdc2010.19n OBS USED: 22643 / 24199 : 94%
 ANT NAME: TRMR8-4 NONE # FIXED AMB: 119 / 127 : 94%
 ARP HEIGHT: 2.0000 OVERALL RMS: 0.013(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.5501)

X: -1125105.160(m) 0.004(m) -1125106.088(m) 0.004(m)
 Y: -4420469.404(m) 0.025(m) -4420468.131(m) 0.025(m)
 Z: 4445045.007(m) 0.018(m) 4445044.932(m) 0.018(m)

LAT: 44 27 7.69853 0.008(m) 44 27 7.71959 0.008(m)
 E LON: 255 43 12.66694 0.002(m) 255 43 12.61207 0.002(m)
 W LON: 104 16 47.33306 0.002(m) 104 16 47.38793 0.002(m)
 EL HGT: 1359.045(m) 0.030(m) 1358.276(m) 0.030(m)
 ORTHO HGT: 1372.799(m) 0.042(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4901 WY E)

Northing (Y) [meters]	4922345.064	439368.871
Easting (X) [meters]	557299.957	270584.267
Convergence [degrees]	0.50436944	0.62110000
Point Scale	0.99964038	0.99999875
Combined Factor	0.99942741	0.99978570

US NATIONAL GRID DESIGNATOR: 13TEK5729922345(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DP1963	SDRC RAPID CITY CORS ARP	N440457.973	W1031332.337	93659.6
DO2064	WYRF CASPER 2 CORS ARP	N424950.364	W1061938.497	244465.6
DQ9796	MTLG MTLG LODGE GRASS CORS ARP	N451844.662	W1072030.205	260130.3

NEAREST NGS PUBLISHED CONTROL POINT

PV0630 K 370 N442707.698 W1041647.332 0.0

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: L_45_15202420.19o OP1569244013768

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7Ccf050685fac54e00884308d74028562f%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637048414302813493&sdata=QWH8jHOC7ZcsPLYD04qlrzIDB5r68TH3Q4nvBPQtNvc%3D&reserved=0>

USER: michael.zarlengo@woolpert.com

DATE: September 23, 2019

RINEX FILE: L_45242p.19o

TIME: 13:17:01 UTC

SOFTWARE: page5 1801.18 master81.pl 160321 START: 2019/08/30 15:50:00
 EPHEMERIS: igs20685.eph [precise] STOP: 2019/08/30 23:16:00
 NAV FILE: brdc2420.19n OBS USED: 16214 / 18136 : 89%
 ANT NAME: TRMR8-4 NONE # FIXED AMB: 112 / 123 : 91%
 ARP HEIGHT: 2.000 OVERALL RMS: 0.020(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2019.6625)

X: -1624476.096(m) 0.005(m) -1624477.029(m) 0.005(m)
 Y: -4365337.813(m) 0.005(m) -4365336.548(m) 0.005(m)
 Z: 4345554.947(m) 0.009(m) 4345554.863(m) 0.009(m)

LAT: 43 12 20.41535 0.004(m) 43 12 20.43245 0.004(m)
 E LON: 249 35 17.60060 0.005(m) 249 35 17.54236 0.005(m)
 W LON: 110 24 42.39940 0.005(m) 110 24 42.45764 0.005(m)
 EL HGT: 2001.875(m) 0.009(m) 2001.191(m) 0.009(m)
 ORTHO HGT: 2012.389(m) 0.052(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4904 WY W)

Northing (Y) [meters]	4783822.548	400553.683
Easting (X) [meters]	547784.867	773309.495
Convergence [degrees]	0.40271667	-0.22486111
Point Scale	0.99962809	0.99994626
Combined Factor	0.99931437	0.99963244

US NATIONAL GRID DESIGNATOR: 12TWN4778483822(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DM7872	IDIR IRWIN CORS ARP	N432434.098	W1111748.070	75302.5
DG8532	TSWY TSWY_EBRY_WY2001 CORS ARP	N434026.703	W1103550.864	54186.9
DQ9810	P715 WINDYMOUNTWY2006 CORS ARP	N433002.747	W1094123.417	67118.7

NEAREST NGS PUBLISHED CONTROL POINT

OX0054 L 45 N431220.000 W1102443.000 18.7

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: L_50_15202460.19o OP1569244051505

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C06e605c9bfaf46326bbf08d740286b87%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637048414657725969&sdata=lcOT%2FLs%2FpbC5gd%2B7bSW63OruHIAY4VFm73mNYkWfLEA%3D&reserved=0>

USER: michael.zarlengo@woolpert.com

DATE: September 23, 2019

RINEX FILE: I_50246s.19o

TIME: 13:17:37 UTC

SOFTWARE: page5 1801.18 master73.pl 160321 START: 2019/09/03 18:08:00
 EPHEMERIS: igs20692.eph [precise] STOP: 2019/09/04 00:52:00
 NAV FILE: brdc2460.19n OBS USED: 17687 / 19006 : 93%
 ANT NAME: TRMR8-4 NONE # FIXED AMB: 91 / 98 : 93%
 ARP HEIGHT: 2.000 OVERALL RMS: 0.014(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2019.6737)

X:	-1615488.932(m)	0.004(m)	-1615489.863(m)	0.004(m)
Y:	-4418161.055(m)	0.002(m)	-4418159.779(m)	0.002(m)
Z:	4295687.034(m)	0.003(m)	4295686.947(m)	0.003(m)

LAT:	42 35 32.68216	0.003(m)	42 35 32.69936	0.003(m)
E LON:	249 54 54.69887	0.005(m)	249 54 54.64134	0.005(m)
W LON:	110 5 5.30113	0.005(m)	110 5 5.35866	0.005(m)
EL HGT:	2082.534(m)	0.001(m)	2081.828(m)	0.001(m)
ORTHO HGT:	2095.200(m)	0.041(m)	[NAVD88 (Computed using GEOID18)]	

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4904 WY W)

Northing (Y) [meters]	4715960.303	332378.129
Easting (X) [meters]	575087.405	799879.145
Convergence [degrees]	0.61941389	-0.00099722
Point Scale	0.99966937	0.99993750
Combined Factor	0.99934298	0.99961102

US NATIONAL GRID DESIGNATOR: 12TWN7508715960(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DG8517	AHID AUBURN HATCHERY CORS ARP	N424623.209	W1110349.415	82729.8
DG8532	TSWY TSWY_EBRY_WY2001 CORS ARP	N434026.703	W1103550.864	127242.2
DJ8989	P030 KEMMERERLFWY2005 CORS ARP	N414459.315	W1103046.067	100083.6

NEAREST NGS PUBLISHED CONTROL POINT

NT0477 L 50 N423532.682 W1100505.303 0.1

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: N_331 OP1570042685246

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7Ce237e7e29d7e4256e0d708d7476aa0c8%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637056395642394670&sdata=OEKY8AJSEx%2FxpkkQ8Xsbla1ieAZx%2FwrUGT3QnEpL5hY%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: October 02, 2019

RINEX FILE: n_33229p.19o TIME: 18:59:12 UTC

SOFTWARE: page5 1801.18 master78.pl 160321 START: 2019/08/17 15:08:00
 EPHEMERIS: igs20666.eph [precise] STOP: 2019/08/17 21:33:30
 NAV FILE: brdc2290.19n OBS USED: 12345 / 13211 : 93%
 ANT NAME: TRMR10 NONE # FIXED AMB: 76 / 82 : 93%
 ARP HEIGHT: 2.05 OVERALL RMS: 0.014(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2019.6268)

X: -1415980.031(m) 0.012(m) -1415980.957(m) 0.012(m)
 Y: -4441561.507(m) 0.006(m) -4441560.237(m) 0.006(m)
 Z: 4340792.863(m) 0.001(m) 4340792.771(m) 0.001(m)

LAT: 43 8 59.03023 0.006(m) 43 8 59.04863 0.006(m)
 E LON: 252 19 3.35564 0.010(m) 252 19 3.29952 0.010(m)
 W LON: 107 40 56.64436 0.010(m) 107 40 56.70048 0.010(m)
 EL HGT: 1667.559(m) 0.008(m) 1666.818(m) 0.008(m)
 ORTHO HGT: 1681.634(m) 0.046(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4903 WYWC)

Northing (Y) [meters] 4780935.455 294840.266
 Easting (X) [meters] 281888.274 686836.265
 Convergence [degrees] -1.83523611 0.73018333
 Point Scale 1.00018526 1.00003023
 Combined Factor 0.99992377 0.99976878

US NATIONAL GRID DESIGNATOR: 13TBH8188880935(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DJ8992	P033 TENSLEPTRWY2005 CORS ARP	N435710.415	W1072315.121	92382.2
DI2248	P032 RAWLINSWWTWY2005 CORS ARP	N414430.003	W1071521.278	160341.8
DG5942	BLW2 BOULDER CORS ARP	N424601.637	W1093328.036	158858.5

NEAREST NGS PUBLISHED CONTROL POINT

OV0225 N 331 N430859.030 W1074056.645 0.0

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: P_43_15202590.19o OP1570042721042

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C752295477f3847fb728b08d7476acf2f%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637056396383529202&data=cqs%2B71NPNtME89oBzPOBH3hOqzpsURuieagHns6%2BBvw%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: October 02, 2019

RINEX FILE: p_43259q.19o

TIME: 19:00:29 UTC

SOFTWARE: page5 1801.18 master92.pl 160321 START: 2019/09/16 16:46:00
 EPHEMERIS: igr20711.eph [rapid] STOP: 2019/09/16 23:54:00
 NAV FILE: brdc2590.19n OBS USED: 18383 / 19700 : 93%
 ANT NAME: TRMR8-4 NONE # FIXED AMB: 105 / 111 : 95%
 ARP HEIGHT: 2.000 OVERALL RMS: 0.017(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2019.7092)

X: -1578778.143(m) 0.005(m) -1578779.072(m) 0.005(m)
 Y: -4446620.918(m) 0.006(m) -4446619.639(m) 0.006(m)
 Z: 4280110.487(m) 0.016(m) 4280110.397(m) 0.016(m)

LAT: 42 24 6.98062 0.013(m) 42 24 6.99800 0.013(m)
 E LON: 250 27 9.11491 0.004(m) 250 27 9.05792 0.004(m)
 W LON: 109 32 50.88509 0.004(m) 109 32 50.94208 0.004(m)
 EL HGT: 2125.189(m) 0.014(m) 2124.468(m) 0.014(m)
 ORTHO HGT: 2138.675(m) 0.039(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4904 WY W)

Northing (Y) [meters]	4695426.491	311360.295
Easting (X) [meters]	619536.428	844113.659
Convergence [degrees]	0.97959722	0.36135556
Point Scale	0.99977581	0.99996143
Combined Factor	0.99944269	0.99962825

US NATIONAL GRID DESIGNATOR: 12TXM1953695426(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DG8532	TSWY TSWY_EBRY_WY2001 CORS ARP	N434026.703	W1103550.864	165258.7
DG8517	AHID AUBURN HATCHERY CORS ARP	N424623.209	W1110349.415	131150.5
DJ8989	P030 KEMMERERLFWY2005 CORS ARP	N414459.315	W1103046.067	107867.4

NEAREST NGS PUBLISHED CONTROL POINT

NS0107 P 43 N422406.981 W1093250.885 0.0

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: PLGPS_1 OP1564681561446

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C215872ff64a2421c559a08d716a84397%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637002784252564394&sdata=nYpMuc23eChT%2B3jmkHdvckF%2FtjLzIbCt0t1nJeBLJXU%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 01, 2019

RINEX FILE: plgp177u.19o TIME: 17:46:35 UTC

SOFTWARE: page5 1603.24 master81.pl 160321 START: 2019/06/26 20:20:00
 EPHEMERIS: igs20593.eph [precise] STOP: 2019/06/26 22:21:00
 NAV FILE: brdc1770.19n OBS USED: 3645 / 3718 : 98%
 ANT NAME: TRMR8_GNSS3 NONE # FIXED AMB: 19 / 21 : 90%
 ARP HEIGHT: 2.000 OVERALL RMS: 0.016(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.4846)

X: -1225223.686(m) 0.015(m) -1225224.600(m) 0.015(m)
 Y: -4583929.084(m) 0.058(m) -4583927.790(m) 0.058(m)
 Z: 4250173.408(m) 0.071(m) 4250173.309(m) 0.071(m)

LAT: 42 2 36.68338 0.012(m) 42 2 36.70300 0.012(m)
 E LON: 255 2 7.49911 0.001(m) 255 2 7.44619 0.001(m)
 W LON: 104 57 52.50089 0.001(m) 104 57 52.55381 0.001(m)
 EL HGT: 1460.713(m) 0.092(m) 1459.894(m) 0.092(m)
 ORTHO HGT: 1475.044(m) 0.096(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4901 WY E)

Northing (Y) [meters] 4654609.176 171431.452
 Easting (X) [meters] 502931.104 216730.282
 Convergence [degrees] 0.02371944 0.13533333
 Point Scale 0.99960011 0.99994094
 Combined Factor 0.99937115 0.99971191

US NATIONAL GRID DESIGNATOR: 13TEG0293154609(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DO2064	WYRF CASPER 2 CORS ARP	N424950.364	W1061938.497	142220.0
DG6515	WYLC LARAMIE COUNTY CORS ARP	N410616.294	W1044631.293	105503.6
DH3858	P042 WHEATLAND_WY2004 CORS ARP	N420305.400	W1045438.096	4558.9

NEAREST NGS PUBLISHED CONTROL POINT

AA2118 PLGPS 1 RESET N420236.683 W1045752.501 0.0

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: PLGPS_1 OP1564682179321

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C52dbf2403e684525bb0a08d716a9d118%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637002790921515376&sdata=BSUAjoHpdgrE0klPci8O8LINqjtD6axy6muKZ7varM%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 01, 2019

RINEX FILE: plgp180o.19o TIME: 17:57:42 UTC

SOFTWARE: page5 1603.24 master96.pl 160321 START: 2019/06/29 14:41:00
 EPHEMERIS: igs20596.eph [precise] STOP: 2019/06/29 22:24:00
 NAV FILE: brdc1800.19n OBS USED: 17715 / 18159 : 98%
 ANT NAME: TRMR8-4 NONE # FIXED AMB: 60 / 62 : 97%
 ARP HEIGHT: 1.7435 OVERALL RMS: 0.014(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.4925)

X: -1225223.694(m) 0.008(m) -1225224.608(m) 0.008(m)
 Y: -4583929.057(m) 0.010(m) -4583927.763(m) 0.010(m)
 Z: 4250173.388(m) 0.011(m) 4250173.289(m) 0.011(m)

LAT: 42 2 36.68341 0.003(m) 42 2 36.70303 0.003(m)
 E LON: 255 2 7.49846 0.005(m) 255 2 7.44554 0.005(m)
 W LON: 104 57 52.50154 0.005(m) 104 57 52.55446 0.005(m)
 EL HGT: 1460.682(m) 0.015(m) 1459.862(m) 0.015(m)
 ORTHO HGT: 1475.013(m) 0.033(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4901 WY E)

Northing (Y) [meters] 4654609.177 171431.453
 Easting (X) [meters] 502931.089 216730.267
 Convergence [degrees] 0.02371944 0.13533333
 Point Scale 0.99960011 0.99994094
 Combined Factor 0.99937116 0.99971191

US NATIONAL GRID DESIGNATOR: 13TEG0293154609(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DG6515	WYLC LARAMIE COUNTY CORS ARP	N410616.294	W1044631.293	105503.6
DH3858	P042 WHEATLAND_WY2004 CORS ARP	N420305.400	W1045438.096	4558.9
DL2742	COFC FORT COLLINS CORS ARP	N403536.107	W1050937.568	161922.0

NEAREST NGS PUBLISHED CONTROL POINT

AA2118 PLGPS 1 RESET N420236.683 W1045752.501 0.0

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: PLGPS_1 OP1564682211269

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C663cf3bfb9204c3e9fa908d716a9e33f%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637002791232158694&sdata=aOiquJnzIz8N70mqQte%2BxezTxAKhb1%2Bso8j6yWPTqKw%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 01, 2019

RINEX FILE: plgp181o.19o TIME: 17:58:09 UTC

SOFTWARE: page5 1603.24 master50.pl 160321 START: 2019/06/30 14:42:00
 EPHEMERIS: igs20600.eph [precise] STOP: 2019/06/30 21:46:00
 NAV FILE: brdc181o.19n OBS USED: 16578 / 17065 : 97%
 ANT NAME: TRMR8_GNSS3 NONE # FIXED AMB: 66 / 66 : 100%
 ARP HEIGHT: 1.716 OVERALL RMS: 0.013(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.4952)

X: -1225223.682(m) 0.004(m) -1225224.596(m) 0.004(m)
 Y: -4583929.077(m) 0.020(m) -4583927.783(m) 0.020(m)
 Z: 4250173.390(m) 0.016(m) 4250173.291(m) 0.016(m)

LAT: 42 2 36.68309 0.006(m) 42 2 36.70271 0.006(m)
 E LON: 255 2 7.49918 0.007(m) 255 2 7.44626 0.007(m)
 W LON: 104 57 52.50082 0.007(m) 104 57 52.55374 0.007(m)
 EL HGT: 1460.695(m) 0.026(m) 1459.876(m) 0.026(m)
 ORTHO HGT: 1475.026(m) 0.039(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4901 WY E)

Northing (Y) [meters] 4654609.167 171431.443
 Easting (X) [meters] 502931.106 216730.283
 Convergence [degrees] 0.02371944 0.13533333
 Point Scale 0.99960011 0.99994094
 Combined Factor 0.99937116 0.99971191

US NATIONAL GRID DESIGNATOR: 13TEG0293154609(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DG6515	WYLC LARAMIE COUNTY CORS ARP	N410616.294	W1044631.293	105503.6
DL2742	COFC FORT COLLINS CORS ARP	N403536.107	W1050937.568	161922.0
DO2064	WYRF CASPER 2 CORS ARP	N424950.364	W1061938.497	142220.0

NEAREST NGS PUBLISHED CONTROL POINT

AA2118 PLGPS 1 RESET N420236.683 W1045752.501 0.0

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: Q_209_15202132.19o OP1566411611337

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7Ce31c5ce58a5c4882f67908d726646754%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637020084977118252&sdata=G62kjlz1oGWN7JXAE5PwTh43jLMj2yv3pTlu2FMmLyg%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 21, 2019

RINEX FILE: q_20213q.19o

TIME: 18:21:07 UTC

SOFTWARE: page5 1603.24 master93.pl 160321 START: 2019/08/01 16:33:00
 EPHEMERIS: igs20644.eph [precise] STOP: 2019/08/01 20:34:00
 NAV FILE: brdc2130.19n OBS USED: 7899 / 8450 : 93%
 ANT NAME: TRMR8-4 NONE # FIXED AMB: 38 / 40 : 95%
 ARP HEIGHT: 2.0000 OVERALL RMS: 0.013(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.5829)

X: -1113630.445(m) 0.007(m) -1113631.382(m) 0.007(m)
 Y: -4301462.972(m) 0.011(m) -4301461.715(m) 0.011(m)
 Z: 4561835.974(m) 0.019(m) 4561835.914(m) 0.019(m)

LAT: 45 56 47.66590 0.011(m) 45 56 47.68739 0.011(m)
 E LON: 255 29 6.22640 0.006(m) 255 29 6.16967 0.006(m)
 W LON: 104 30 53.77360 0.006(m) 104 30 53.83033 0.006(m)
 EL HGT: 995.635(m) 0.017(m) 994.909(m) 0.017(m)
 ORTHO HGT: 1011.646(m) 0.023(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (2500 MT)

Northing (Y) [meters]	5088225.884	200833.196
Easting (X) [meters]	537595.661	986101.587
Convergence [degrees]	0.34861389	3.64659444
Point Scale	0.99961738	0.99956397
Combined Factor	0.99946138	0.99940798

US NATIONAL GRID DESIGNATOR: 13TEL3759588225(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DQ4192	MTRC RICHLAND CNTY MT CORS ARP	N474238.176	W1041051.205	197768.7
DP1963	SDRC RAPID CITY CORS ARP	N440457.973	W1031332.337	230733.0
DQ3889	NDDI NDDICKINSON CORS ARP	N465305.851	W1024436.708	171555.9

NEAREST NGS PUBLISHED CONTROL POINT

QU0084 Q 209 N4556000047 W10430000053 8.2

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: T_346_15202040.19o OP1566411645719

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C8cffc27c3e3e477c879f08d726649672%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637020085770685590&msdata=LLGBlcXXAJzPkGG1BzMrX5p7gvuNyJxxWg8ddx9JJVU%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 21, 2019

RINEX FILE: t_342040.19o TIME: 18:22:27 UTC

SOFTWARE: page5 1603.24 master56.pl 160321 START: 2019/07/23 14:59:00
 EPHEMERIS: igs20632.eph [precise] STOP: 2019/07/23 23:05:00
 NAV FILE: brdc2040.19n OBS USED: 17969 / 18844 : 95%
 ANT NAME: TRMR8-4 NONE # FIXED AMB: 101 / 107 : 94%
 ARP HEIGHT: 2.0000 OVERALL RMS: 0.014(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.5583)

X: -1112477.538(m) 0.019(m) -1112478.469(m) 0.019(m)
 Y: -4386714.458(m) 0.012(m) -4386713.189(m) 0.012(m)
 Z: 4480821.104(m) 0.020(m) 4480821.034(m) 0.020(m)

LAT: 44 54 27.54925 0.011(m) 44 54 27.57053 0.011(m)
 E LON: 255 46 10.94570 0.020(m) 255 46 10.89034 0.020(m)
 W LON: 104 13 49.05430 0.020(m) 104 13 49.10966 0.020(m)
 EL HGT: 1041.594(m) 0.018(m) 1040.835(m) 0.018(m)
 ORTHO HGT: 1056.518(m) 0.034(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4901 WY E)

Northing (Y) [meters]	4972979.994	490028.956
Easting (X) [meters]	560762.075	273944.006
Convergence [degrees]	0.54340278	0.66107778
Point Scale	0.99964540	1.00000471
Combined Factor	0.99948217	0.99984143

US NATIONAL GRID DESIGNATOR: 13TEK6076272979(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DQ3889	NDDI NDDICKINSON CORS ARP	N465305.851	W1024436.708	248231.2
DQ9796	MTLG MTLG LODGE GRASS CORS ARP	N451844.662	W1072030.205	248962.1
DI2263	P055 GLENDIVEWTMT2006 CORS ARP	N470700.145	W1044106.394	248070.1

NEAREST NGS PUBLISHED CONTROL POINT

AD9035 T 346 N445428.000 W1041351.000 44.9

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: U_44_15202430.19o OP1569243687140

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C68e185cd9b3e4c02fa6d08d740277c9f%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637048410655046035&sdata=yjzz3xLsoW6FDfyOy6Ms69V6Br%2BzXv0Y7EoiEJgsRzs%3D&reserved=0>

USER: michael.zarlengo@woolpert.com

DATE: September 23, 2019

RINEX FILE: u_44243q.19o

TIME: 13:10:57 UTC

SOFTWARE: page5 1801.18 master76.pl 160321 START: 2019/08/31 16:36:00
 EPHEMERIS: igs20686.eph [precise] STOP: 2019/09/01 00:43:00
 NAV FILE: brdc2430.19n OBS USED: 17873 / 19007 : 94%
 ANT NAME: TRMR8-4 NONE # FIXED AMB: 99 / 102 : 97%
 ARP HEIGHT: 2.000 OVERALL RMS: 0.014(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2019.6654)

X: -1606607.431(m) 0.002(m) -1606608.362(m) 0.002(m)
 Y: -4394726.208(m) 0.007(m) -4394724.938(m) 0.007(m)
 Z: 4323015.643(m) 0.004(m) 4323015.558(m) 0.004(m)

LAT: 42 55 33.86914 0.003(m) 42 55 33.88638 0.003(m)
 E LON: 249 55 7.64112 0.004(m) 249 55 7.58338 0.004(m)
 W LON: 110 4 52.35888 0.004(m) 110 4 52.41662 0.004(m)
 EL HGT: 2237.326(m) 0.007(m) 2236.629(m) 0.007(m)
 ORTHO HGT: 2248.704(m) 0.036(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4904 WY W)

Northing (Y) [meters]	4753015.030	369441.790
Easting (X) [meters]	574978.949	800173.270
Convergence [degrees]	0.62577500	0.00144444
Point Scale	0.99966916	0.99993750
Combined Factor	0.99931853	0.99958678

US NATIONAL GRID DESIGNATOR: 12TWN7497853015(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DQ9810	P715 WINDYMOUNTWY2006 CORS ARP	N433002.747	W1094123.417	71360.8
DG8532	TSWY TSWY_EBRY_WY2001 CORS ARP	N434026.703	W1103550.864	93094.8
DG8517	AHID AUBURN HATCHERY CORS ARP	N424623.209	W1110349.415	82114.8

NEAREST NGS PUBLISHED CONTROL POINT

NT0008 U 44 N425533.869 W1100452.358 0.0

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: U_44_15202440.19o OP1569243721625

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C04b85dde03d74c9f161508d74027773d%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637048410560479355&sdata=I%2BNljv4%2B18sY4I%2BddHbhs%2DFwOZIUoxqammgb95Q6kk%3D&reserved=0>

USER: michael.zarlengo@woolpert.com

DATE: September 23, 2019

RINEX FILE: u_44244p.19o

TIME: 13:10:47 UTC

SOFTWARE: page5 1801.18 master71.pl 160321 START: 2019/09/01 15:19:00
 EPHEMERIS: igs20690.eph [precise] STOP: 2019/09/01 20:52:00
 NAV FILE: brdc2440.19n OBS USED: 12061 / 12938 : 93%
 ANT NAME: TRMR8-4 NONE # FIXED AMB: 80 / 82 : 98%
 ARP HEIGHT: 2.000 OVERALL RMS: 0.014(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2019.6678)

X: -1606607.424(m) 0.001(m) -1606608.355(m) 0.001(m)
 Y: -4394726.203(m) 0.009(m) -4394724.933(m) 0.009(m)
 Z: 4323015.635(m) 0.005(m) 4323015.550(m) 0.005(m)

LAT: 42 55 33.86910 0.005(m) 42 55 33.88634 0.005(m)
 E LON: 249 55 7.64134 0.003(m) 249 55 7.58359 0.003(m)
 W LON: 110 4 52.35866 0.003(m) 110 4 52.41641 0.003(m)
 EL HGT: 2237.316(m) 0.008(m) 2236.619(m) 0.008(m)
 ORTHO HGT: 2248.694(m) 0.036(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4904 WY W)

Northing (Y) [meters]	4753015.029	369441.789
Easting (X) [meters]	574978.954	800173.275
Convergence [degrees]	0.62577500	0.00144444
Point Scale	0.99966916	0.99993750
Combined Factor	0.99931853	0.99958678

US NATIONAL GRID DESIGNATOR: 12TWN7497853015(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DG5942	BLW2 BOULDER CORS ARP	N424601.637	W1093328.036	46302.9
DQ9810	P715 WINDYMOUNTWY2006 CORS ARP	N433002.747	W1094123.417	71360.8
DG8532	TSWY TSWY_EBRY_WY2001 CORS ARP	N434026.703	W1103550.864	93094.8

NEAREST NGS PUBLISHED CONTROL POINT

NT0008 U 44 N425533.869 W1100452.358 0.0

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: V_50_15202470.19o OP1569244092047

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C5532d2a0f7614c4c89dc08d740287eef%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637048414984009807&sdata=Mlh7T05Ra4CAnibdzkz3Qfc0P8uCaKzLejXsoKn92H8%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: September 23, 2019

RINEX FILE: v_502470.19o TIME: 13:18:10 UTC

SOFTWARE: page5 1801.18 master95.pl 160321 START: 2019/09/04 14:47:00
 EPHEMERIS: igs20693.eph [precise] STOP: 2019/09/04 21:01:00
 NAV FILE: brdc2470.19n OBS USED: 13057 / 13859 : 94%
 ANT NAME: TRMR8-4 NONE # FIXED AMB: 74 / 76 : 97%
 ARP HEIGHT: 1.8 OVERALL RMS: 0.015(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2019.6760)

X: -1629980.340(m) 0.003(m) -1629981.270(m) 0.003(m)
 Y: -4434474.437(m) 0.003(m) -4434473.159(m) 0.003(m)
 Z: 4273399.233(m) 0.005(m) 4273399.144(m) 0.005(m)

LAT: 42 19 15.88382 0.004(m) 42 19 15.90085 0.004(m)
 E LON: 249 49 5.08807 0.001(m) 249 49 5.03072 0.001(m)
 W LON: 110 10 54.91193 0.001(m) 110 10 54.96928 0.001(m)
 EL HGT: 2017.981(m) 0.003(m) 2017.271(m) 0.003(m)
 ORTHO HGT: 2031.106(m) 0.051(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4904 WY W)

Northing (Y) [meters] 4685750.269 302244.477
 Easting (X) [meters] 567410.002 791873.718
 Convergence [degrees] 0.55082222 -0.06637778
 Point Scale 0.99965591 0.99993831
 Combined Factor 0.99933963 0.99962194

US NATIONAL GRID DESIGNATOR: 12TWM6741085750(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DG5942	BLW2 BOULDER CORS ARP	N424601.637	W1093328.036	71320.6
DQ9810	P715 WINDYMOUNTWY2006 CORS ARP	N433002.747	W1094123.417	137128.2
DG8517	AHID AUBURN HATCHERY CORS ARP	N424623.209	W1110349.415	88159.0

NEAREST NGS PUBLISHED CONTROL POINT

NT0037 V 50 N421916.000 W1101055.000 4.1

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: W_BUTTE_15202152.19o OP1566408347966

NGS OPUS SOLUTION REPORT

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All computed coordinate accuracies are listed as peak-to-peak values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7Ccec4bec15ddd4b3db71e08d7265ccac%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637020052321255561&sdata=ecps7GcAH410%2BrKn9BjgQhuW8rXxyvP4lX5VjMQoa%2F0%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 21, 2019

RINEX FILE: w_bu215r.19o

TIME: 17:26:41 UTC

SOFTWARE: page5 1603.24 master95.pl 160321 START: 2019/08/03 17:28:00
 EPHEMERIS: igs20646.eph [precise] STOP: 2019/08/03 23:44:00
 NAV FILE: brdc2150.19n OBS USED: 14161 / 14824 : 96%
 ANT NAME: TRMR8-4 NONE # FIXED AMB: 62 / 75 : 83%
 ARP HEIGHT: 2.0000 OVERALL RMS: 0.021(m)

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.5887)

X: -1169292.261(m) 0.022(m) -1169293.194(m) 0.022(m)
 Y: -4357254.183(m) 0.022(m) -4357252.920(m) 0.022(m)
 Z: 4495406.758(m) 0.022(m) 4495406.689(m) 0.022(m)

LAT: 45 5 25.86862 0.013(m) 45 5 25.88950 0.013(m)
 E LON: 254 58 41.85314 0.027(m) 254 58 41.79698 0.027(m)
 W LON: 105 1 18.14686 0.027(m) 105 1 18.20302 0.027(m)
 EL HGT: 1342.434(m) 0.024(m) 1341.694(m) 0.024(m)
 ORTHO HGT: 1356.932(m) 0.029(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (2500 MT)

Northing (Y) [meters] 4993006.230 103498.783
 Easting (X) [meters] 498291.816 952332.014
 Convergence [degrees] -0.01537500 3.27588889
 Point Scale 0.99960004 0.99994688
 Combined Factor 0.99938969 0.99973646

US NATIONAL GRID DESIGNATOR: 13TDK9829193006(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DP1963	SDRC RAPID CITY CORS ARP	N440457.973	W1031332.337	181357.0
DJ8992	P033 TENSLEEPTRWY2005 CORS ARP	N435710.415	W1072315.121	226640.1
DQ9796	MTLG MTLG LODGE GRASS CORS ARP	N451844.662	W1072030.205	183965.9

NEAREST NGS PUBLISHED CONTROL POINT

QU0323 W BUTTE N450525.862 W1050118.146 0.2

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 156_15202560.19o OP1570042400909

NGS OPUS-RS SOLUTION REPORT

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All computed coordinate accuracies are listed as 1-sigma RMS values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C29ed4138b6104512b76c08d7476a2a8b%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637056393621421352&sdata=qU8G9KVb4JX1QMK8JCwLd7dRIRcfBfk0m4RQQuJiug%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: October 02, 2019

RINEX FILE: 156_256r.19o TIME: 18:55:41 UTC

SOFTWARE: rsgps 1.38 RS91.prl 1.99.3 START: 2019/09/13 17:55:51
 EPHEMERIS: igs20705.eph [precise] STOP: 2019/09/13 19:27:55
 NAV FILE: brdc2560.19n OBS USED: 8397 / 11223 : 75%
 ANT NAME: TRMR8-4 NONE QUALITY IND. 39.35/ 79.54
 ARP HEIGHT: 2.000 NORMALIZED RMS: 0.284

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2019.70076)

X: -1645565.190(m) 0.006(m) -1645566.122(m) 0.006(m)
 Y: -4406084.119(m) 0.014(m) -4406082.844(m) 0.014(m)
 Z: 4297230.790(m) 0.016(m) 4297230.704(m) 0.016(m)

LAT: 42 36 29.28373 0.004(m) 42 36 29.30072 0.004(m)
 E LON: 249 31 14.02849 0.004(m) 249 31 13.97064 0.004(m)
 W LON: 110 28 45.97151 0.004(m) 110 28 46.02936 0.004(m)
 EL HGT: 2463.210(m) 0.022(m) 2462.512(m) 0.022(m)
 ORTHO HGT: 2474.452(m) 0.037(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4904 WY W)

Northing (Y) [meters]	4717431.596	334200.625
Easting (X) [meters]	542698.960	767498.879
Convergence [degrees]	0.35241667	-0.26815556
Point Scale	0.99962243	0.99995049
Combined Factor	0.99923642	0.99956435

US NATIONAL GRID DESIGNATOR: 12TWN4269817431(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DG5942	BLW2 BOULDER CORS ARP	N424601.637	W1093328.036	77597.0
DJ8989	P030 KEMMERERLFWY2005 CORS ARP	N414459.315	W1103046.067	95413.9
DG8517	AHID AUBURN HATCHERY CORS ARP	N424623.209	W1110349.415	51289.3

DQ9810 P715 WINDYMOUNTWY2006 CORS ARP N433002.747 W1094123.417 118251.3
DG9776 P122 CNRSPRNGS_UT2004 CORS ARP N413807.289 W1121954.849 187503.6
DM7872 IDIR IRWIN CORS ARP N432434.098 W1111748.070 111232.3
DL7749 P675 HOLBROOK_ID2006 CORS ARP N421243.979 W1124307.708 189559.4
DG8532 TSWY TSWY_EBRY_WY2001 CORS ARP N434026.703 W1103550.864 118852.8
DG7432 P057 HILL72____UT2004 CORS ARP N414523.637 W1123723.250 200822.0

NEAREST NGS PUBLISHED CONTROL POINT

NT0655 WYOMING PEAK N423615.613 W1103725.705 11854.5

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 8365221_J28.19o OP1566293200099

NGS OPUS-RS SOLUTION REPORT

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All computed coordinate accuracies are listed as 1-sigma RMS values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C4300dd227b8342729abe08d72551184c%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637018902552890754&sdata=EJQmYyQZC CUqIDOnw%2FAMSY6Q%2FfmxR5ADZY%2Bal6ydwy4%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 20, 2019

RINEX FILE: 8365221v.19o

TIME: 09:29:48 UTC

SOFTWARE: rsgps 1.38 RS52.prl 1.99.3 START: 2019/08/09 21:44:25
 EPHEMERIS: igr20655.eph [rapid] STOP: 2019/08/09 22:45:05
 NAV FILE: brdc2210.19n OBS USED: 6156 / 6768 : 91%
 ANT NAME: TRMR8_GNSS NONE QUALITY IND. 9.50/ 16.49
 ARP HEIGHT: 2.000 NORMALIZED RMS: 0.365

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.60528)

X: -1457526.553(m) 0.007(m) -1457527.474(m) 0.007(m)
 Y: -4474819.663(m) 0.020(m) -4474818.388(m) 0.020(m)
 Z: 4293489.115(m) 0.021(m) 4293489.021(m) 0.021(m)

LAT: 42 33 57.28932 0.009(m) 42 33 57.30739 0.009(m)
 E LON: 251 57 31.21175 0.007(m) 251 57 31.15606 0.007(m)
 W LON: 108 2 28.78825 0.007(m) 108 2 28.84394 0.007(m)
 EL HGT: 2038.525(m) 0.028(m) 2037.779(m) 0.028(m)
 ORTHO HGT: 2051.241(m) 0.028(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4903 WYWC)

Northing (Y) [meters]	4716855.581	229678.214
Easting (X) [meters]	742856.302	658187.238
Convergence [degrees]	2.00233333	0.47938333
Point Scale	1.00032570	0.99997914
Combined Factor	1.00000599	0.99965954

US NATIONAL GRID DESIGNATOR: 12TYN4285616855(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DO2064	WYRF CASPER 2 CORS ARP	N424950.364	W1061938.497	143522.9
DI2248	P032 RAWLINSWWTWY2005 CORS ARP	N414430.003	W1071521.278	112267.3
DJ8989	P030 KEMMERERLFWY2005 CORS ARP	N414459.315	W1103046.067	223517.8

DG5942 BLW2 BOULDER CORS ARP N424601.637 W1093328.036 126351.6
DJ8992 P033 TENSLEEPTRWY2005 CORS ARP N435710.415 W1072315.121 163017.6
DQ5297 STBT STEAMBOAT SPRINGS CORS ARP N403045.775 W1065153.788 248325.9
DQ9810 P715 WINDYMOUNTWY2006 CORS ARP N433002.747 W1094123.417 169868.6
DG8532 TSWY TSWY_EBRY_WY2001 CORS ARP N434026.703 W1103550.864 241772.4
DG8517 AHID AUBURN HATCHERY CORS ARP N424623.209 W1110349.415 248881.5

NEAREST NGS PUBLISHED CONTROL POINT

NS0007 J 28 N423357.291 W1080228.786 0.1

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 8365223_G336.19o OP1566293232866

NGS OPUS-RS SOLUTION REPORT

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All computed coordinate accuracies are listed as 1-sigma RMS values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C8d9848ae6c4c4934aac708d72550e034%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637018901597397813&sdata=52fu0JR%2F1rJ9%2Bik%2BpZsjB7Et%2F5GAuMD5ts%2FSX75Bx0U%3D&reserved=0>

USER: michael.zarlengo@woolpert.com

DATE: August 20, 2019

RINEX FILE: 8365223r.19o

TIME: 09:28:34 UTC

SOFTWARE: rsgps 1.38 RS81.prl 1.99.3 START: 2019/08/11 17:31:00
 EPHEMERIS: igr20660.eph [rapid] STOP: 2019/08/11 18:12:55
 NAV FILE: brdc2230.19n OBS USED: 2090 / 2195 : 95%
 ANT NAME: TRMR8_GNSS NONE QUALITY IND. 11.66/ 35.38
 ARP HEIGHT: 2.000 NORMALIZED RMS: 0.323

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.61026)

X: -1414195.908(m) 0.014(m) -1414196.827(m) 0.014(m)
 Y: -4503968.399(m) 0.032(m) -4503967.119(m) 0.032(m)
 Z: 4277348.590(m) 0.030(m) 4277348.493(m) 0.030(m)

LAT: 42 22 12.98438 0.003(m) 42 22 13.00274 0.003(m)
 E LON: 252 34 5.85242 0.009(m) 252 34 5.79734 0.009(m)
 W LON: 107 25 54.14758 0.009(m) 107 25 54.20266 0.009(m)
 EL HGT: 1883.348(m) 0.046(m) 1882.583(m) 0.046(m)
 ORTHO HGT: 1896.320(m) 0.046(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4902 WYEC)

Northing (Y) [meters] 4693752.875 307708.652
 Easting (X) [meters] 299777.863 391897.539
 Convergence [degrees] -1.63931667 -0.06629722
 Point Scale 1.00009327 0.99993831
 Combined Factor 0.99979795 0.99964304

US NATIONAL GRID DESIGNATOR: 13TBG9977793752(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DO2064	WYRF CASPER 2 CORS ARP	N424950.364	W1061938.497	104091.0
DI2248	P032 RAWLINSWWTWY2005 CORS ARP	N414430.003	W1071521.278	71345.2
DQ9810	P715 WINDYMOUNTWY2006 CORS ARP	N433002.747	W1094123.417	223103.6

DH3858 P042 WHEATLAND_WY2004 CORS ARP N420305.400 W1045438.096 211212.9
DQ5297 STBT STEAMBOAT SPRINGS CORS ARP N403045.775 W1065153.788 211727.2

NEAREST NGS PUBLISHED CONTROL POINT

NR0297 G 336 N422212.984 W1072554.147 0.0

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: 8365226_A28_2019_WY.19o OP1566293301391

NGS OPUS-RS SOLUTION REPORT

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All computed coordinate accuracies are listed as 1-sigma RMS values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7Ccebdee2f7dad473c9bb708d725511691%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637018902513112051&sdata=25FjPe51KnEm7jEi%2FrHNyTuvsqkfFsUZnpUyM59Q6b4%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 20, 2019

RINEX FILE: 8365226q.19o

TIME: 09:29:52 UTC

SOFTWARE: rsgps 1.38 RS83.prl 1.99.3 START: 2019/08/14 16:19:40
 EPHEMERIS: igr20663.eph [rapid] STOP: 2019/08/14 17:20:25
 NAV FILE: brdc2260.19n OBS USED: 5024 / 5488 : 92%
 ANT NAME: TRMR8_GNSS NONE QUALITY IND. 35.27/ 22.85
 ARP HEIGHT: 2.000 NORMALIZED RMS: 0.248

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.61836)

X: -1440466.105(m) 0.009(m) -1440467.026(m) 0.009(m)
 Y: -4487229.586(m) 0.022(m) -4487228.309(m) 0.022(m)
 Z: 4286159.289(m) 0.022(m) 4286159.194(m) 0.022(m)

LAT: 42 28 38.65040 0.006(m) 42 28 38.66858 0.006(m)
 E LON: 252 12 9.40554 0.010(m) 252 12 9.35006 0.010(m)
 W LON: 107 47 50.59446 0.010(m) 107 47 50.64994 0.010(m)
 EL HGT: 1918.512(m) 0.030(m) 1917.759(m) 0.030(m)
 ORTHO HGT: 1931.362(m) 0.030(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4903 WYWC)

Northing (Y) [meters] 4706576.166 220043.062
 Easting (X) [meters] 270058.570 678327.436
 Convergence [degrees] -1.88990000 0.64333056
 Point Scale 1.00025057 1.00001296
 Combined Factor 0.99994970 0.99971216

US NATIONAL GRID DESIGNATOR: 13TBH7005806576(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DO2064	WYRF CASPER 2 CORS ARP	N424950.364	W1061938.497	126796.0
DI2248	P032 RAWLINSWWTWY2005 CORS ARP	N414430.003	W1071521.278	93217.8
DJ8989	P030 KEMMERERLFWY2005 CORS ARP	N414459.315	W1103046.067	238721.0

DG5942 BLW2 BOULDER CORS ARP N424601.637 W1093328.036 148005.3
DJ8992 P033 TENSLEEPTRWY2005 CORS ARP N435710.415 W1072315.121 167309.9
DQ5297 STBT STEAMBOAT SPRINGS CORS ARP N403045.775 W1065153.788 231736.3
DQ9810 P715 WINDYMOUNTWY2006 CORS ARP N433002.747 W1094123.417 191752.3
DH3858 P042 WHEATLAND_WY2004 CORS ARP N420305.400 W1045438.096 242870.4

NEAREST NGS PUBLISHED CONTROL POINT

NR0199 A 28 N422838.622 W1074750.587 0.9

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: Q_45_67192420.19o OP1570042757294

NGS OPUS-RS SOLUTION REPORT

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All computed coordinate accuracies are listed as 1-sigma RMS values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C963cfe5c886b413e27ca08d7476aebda%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637056396885097547&sdata=mJvb0QXkp%2F9zclVfiqfyhYNpUK4gE1y6D785zwLQl6l%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: October 02, 2019

RINEX FILE: q_45242q.19o TIME: 19:01:08 UTC

SOFTWARE: rsgps 1.38 RS59.prl 1.99.3 START: 2019/08/30 16:59:08
 EPHEMERIS: igs20685.eph [precise] STOP: 2019/08/30 17:37:40
 NAV FILE: brdc2420.19n OBS USED: 2772 / 2772 : 100%
 ANT NAME: TRMR10 NONE QUALITY IND. 31.13/ 46.77
 ARP HEIGHT: 2.05 NORMALIZED RMS: 0.280

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2019.66225)

X: -1630055.710(m) 0.017(m) -1630056.643(m) 0.017(m)
 Y: -4359437.949(m) 0.046(m) -4359436.685(m) 0.046(m)
 Z: 4349261.827(m) 0.046(m) 4349261.745(m) 0.046(m)

LAT: 43 15 7.28881 0.006(m) 43 15 7.30591 0.006(m)
 E LON: 249 29 54.65958 0.004(m) 249 29 54.60126 0.004(m)
 W LON: 110 30 5.34042 0.004(m) 110 30 5.39874 0.004(m)
 EL HGT: 1933.945(m) 0.067(m) 1933.265(m) 0.067(m)
 ORTHO HGT: 1944.244(m) 0.073(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4904 WY W)

Northing (Y) [meters] 4788922.955 405735.657
 Easting (X) [meters] 540466.828 766045.424
 Convergence [degrees] 0.34159167 -0.28652222
 Point Scale 0.99962014 0.99995168
 Combined Factor 0.99931707 0.99964851

US NATIONAL GRID DESIGNATOR: 12TWN4046688922(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DQ9810	P715 WINDYMOUNTWY2006 CORS ARP	N433002.747	W1094123.417	71380.8
DG5942	BLW2 BOULDER CORS ARP	N424601.637	W1093328.036	93951.1
DG8517	AHID AUBURN HATCHERY CORS ARP	N424623.209	W1110349.415	70246.3

DM7872 IDIR IRWIN CORS ARP N432434.098 W1111748.070 66841.5
DG6570 IDPO POCATELLO CORS ARP N425155.995 W1122554.287 163035.9
DI1692 IDBY REXBURG CORS ARP N434913.279 W1114700.726 121377.8
DJ8989 P030 KEMMERERLFWY2005 CORS ARP N414459.315 W1103046.067 166922.1
DP4103 IDDU DUBOIS CORS ARP N441027.078 W1121409.084 173342.3
DL7749 P675 HOLBROOK__ID2006 CORS ARP N421243.979 W1124307.708 215248.8

NEAREST NGS PUBLISHED CONTROL POINT

OX0059 Q 45 N431500007. W1103000005. 7.4

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: Q356_77542100.19o OP1570042792641

NGS OPUS-RS SOLUTION REPORT

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All computed coordinate accuracies are listed as 1-sigma RMS values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7Cc7821e55d1d6479a33d708d7476af654%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637056397041846307&sdata=iTcmNTxAB3wdT1s7HPpW72f5AV4b1hZYOi%2BavcOek6Y%3D&reserved=0>

USER: michael.zarlengo@woolpert.com

DATE: October 02, 2019

RINEX FILE: q356210s.19o

TIME: 19:01:28 UTC

SOFTWARE: rsgps 1.38 RS94.prl 1.99.3 START: 2019/07/29 18:31:55
 EPHEMERIS: igs20641.eph [precise] STOP: 2019/07/29 19:04:15
 NAV FILE: brdc2100.19n OBS USED: 2275 / 2394 : 95%
 ANT NAME: TRMR8_GNSS3 NONE QUALITY IND. 14.93/ 51.53
 ARP HEIGHT: 2.000 NORMALIZED RMS: 0.281

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2019.57475)

X: -1286582.442(m) 0.012(m) -1286583.368(m) 0.012(m)
 Y: -4449415.142(m) 0.037(m) -4449413.869(m) 0.037(m)
 Z: 4372611.660(m) 0.034(m) 4372611.572(m) 0.034(m)

LAT: 43 32 38.28242 0.003(m) 43 32 38.30194 0.003(m)
 E LON: 253 52 20.53153 0.004(m) 253 52 20.47616 0.004(m)
 W LON: 106 7 39.46847 0.004(m) 106 7 39.52384 0.004(m)
 EL HGT: 1608.051(m) 0.052(m) 1607.291(m) 0.052(m)
 ORTHO HGT: 1622.351(m) 0.057(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4902 WYEC)

Northing (Y) [meters] 4821841.928 438790.034
 Easting (X) [meters] 408903.369 497436.770
 Convergence [degrees] -0.77688889 0.83068611
 Point Scale 0.99970208 1.00005424
 Combined Factor 0.99945005 0.99980213

US NATIONAL GRID DESIGNATOR: 13TDJ0890321841(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DI2251	P043 NEWCASTLE_WY2006	CORS ARP	N435252.101 W1041108.484	160957.3
DH3858	P042 WHEATLAND_WY2004	CORS ARP	N420305.400 W1045438.096	193427.6
DO2064	WYRF CASPER 2	CORS ARP	N424950.364 W1061938.497	80912.5

DJ8992 P033 TENSLEEPTRWY2005 CORS ARP N435710.415 W1072315.121 111208.2
DP1963 SDRC RAPID CITY CORS ARP N440457.973 W1031332.337 241058.5
DI2248 P032 RAWLINSWWTWY2005 CORS ARP N414430.003 W1071521.278 220608.0
DQ9796 MTLG MTLG LODGE GRASS CORS ARP N451844.662 W1072030.205 219031.4

NEAREST NGS PUBLISHED CONTROL POINT

OV0275 Q 356 N433238.000 W1060740.000 14.8

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: S_42_67192410.19o OP1570042827632

NGS OPUS-RS SOLUTION REPORT

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All computed coordinate accuracies are listed as 1-sigma RMS values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7Ca5fa7081690c40b2bc6c08d7476b3c70%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637056398207089142&sdata=%2B9zLrfasTnBTjajLi%2FDrluFTodCuZOZoGCffkOEKVw%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: October 02, 2019

RINEX FILE: s_42241u.19o

TIME: 19:03:22 UTC

SOFTWARE: rsgps 1.38 RS83.prl 1.99.3 START: 2019/08/29 20:23:33
 EPHEMERIS: igs20684.eph [precise] STOP: 2019/08/29 21:06:32
 NAV FILE: brdc2410.19n OBS USED: 4509 / 4878 : 92%
 ANT NAME: TRMR10 NONE QUALITY IND. 7.75/ 29.91
 ARP HEIGHT: 2.05 NORMALIZED RMS: 0.337

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2019.65990)

X: -1577449.760(m) 0.016(m) -1577450.693(m) 0.016(m)
 Y: -4341789.235(m) 0.047(m) -4341787.979(m) 0.047(m)
 Z: 4386802.742(m) 0.039(m) 4386802.658(m) 0.039(m)

LAT: 43 42 44.25271 0.008(m) 43 42 44.27003 0.008(m)
 E LON: 250 1 58.83820 0.006(m) 250 1 58.77988 0.006(m)
 W LON: 109 58 1.16180 0.006(m) 109 58 1.22012 0.006(m)
 EL HGT: 2549.703(m) 0.062(m) 2549.022(m) 0.062(m)
 ORTHO HGT: 2557.720(m) 0.069(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 12) SPC (4903 WYWC)

Northing (Y) [meters]	4840437.050	357504.116
Easting (X) [meters]	583220.080	501925.258
Convergence [degrees]	0.71388889	-0.84105278
Point Scale	0.99968518	1.00005577
Combined Factor	0.99928565	0.99965609

US NATIONAL GRID DESIGNATOR: 12TWP8322040437(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DL7752	P681 MEDICINELGID2006 CORS ARP	N442359.174	W1123811.252	227192.5
DG5942	BLW2 BOULDER CORS ARP	N424601.637	W1093328.036	110180.5
DG8532	TSWY TSWY_EBRY_WY2001 CORS ARP	N434026.703	W1103550.864	51024.6

DI1692 IDBY REXBURG CORS ARP N434913.279 W1114700.726 146804.8
DL7758 P722 YNPBASSRCHMT2005 CORS ARP N452725.985 W1093415.586 196492.4
DM7872 IDIR IRWIN CORS ARP N432434.098 W1111748.070 112615.9
DP4103 IDDU DUBOIS CORS ARP N441027.078 W1121409.084 189291.9
DJ8992 P033 TENSLEEPTRWY2005 CORS ARP N435710.415 W1072315.121 209233.7
DG8517 AHID AUBURN HATCHERY CORS ARP N424623.209 W1110349.415 137235.9

NEAREST NGS PUBLISHED CONTROL POINT

OW0138 S 42 N434244.000 W1095801.000 8.6

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: U_53 OP1564681598068

NGS OPUS-RS SOLUTION REPORT

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All computed coordinate accuracies are listed as 1-sigma RMS values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C320c7d975e9349b6bfaa08d716a873be%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637002785063911730&sdata=kPJd0vkpsD2SCx3JuYM9C9IJGWKhR%2F2wPvKNjTZuall%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: August 01, 2019

RINEX FILE: u_53172v.19o

TIME: 17:47:37 UTC

SOFTWARE: rsgps 1.38 RS54.prl 1.99.3 START: 2019/06/21 21:25:40
 EPHEMERIS: igs20585.eph [precise] STOP: 2019/06/21 22:00:46
 NAV FILE: brdc1720.19n OBS USED: 2100 / 2100 : 100%
 ANT NAME: TRMR10 NONE QUALITY IND. 25.73/ 43.65
 ARP HEIGHT: 2.05 NORMALIZED RMS: 0.340

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) IGS08 (EPOCH:2019.47097)

X: -1159249.917(m) 0.013(m) -1159250.835(m) 0.013(m)
 Y: -4526515.638(m) 0.036(m) -4526514.351(m) 0.036(m)
 Z: 4328746.335(m) 0.034(m) 4328746.246(m) 0.034(m)

LAT: 43 0 15.16914 0.004(m) 43 0 15.18955 0.004(m)
 E LON: 255 38 6.63497 0.006(m) 255 38 6.58162 0.006(m)
 W LON: 104 21 53.36503 0.006(m) 104 21 53.41838 0.006(m)
 EL HGT: 1322.826(m) 0.051(m) 1322.020(m) 0.051(m)
 ORTHO HGT: 1337.566(m) 0.054(m) [NAVD88 (Computed using GEOID12B)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4901 WY E)

Northing (Y) [meters]	4761478.435	278433.872
Easting (X) [meters]	551768.718	265374.656
Convergence [degrees]	0.43323333	0.54691944
Point Scale	0.99963297	0.99999006
Combined Factor	0.99942564	0.99978266

US NATIONAL GRID DESIGNATOR: 13TEH5176861478(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DI2251	P043 NEWCASTLE_WY2006 CORS ARP	N435252.101	W1041108.484	98521.8
DH7223	NESC SCOTTS BLUFF CNTY CORS ARP	N414937.752	W1033939.720	143031.1
DH3858	P042 WHEATLAND_WY2004 CORS ARP	N420305.400	W1045438.096	114961.0

DP1963 SDRC RAPID CITY CORS ARP N440457.973 W1031332.337 151135.7
DO2064 WYRF CASPER 2 CORS ARP N424950.364 W1061938.497 161426.6
DG6515 WYLC LARAMIE COUNTY CORS ARP N410616.294 W1044631.293 213768.3

NEAREST NGS PUBLISHED CONTROL POINT

NQ0039 U 53 N430000015. W1042100053. 0.3

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: Y_209_67192122.19o OP1570043039002

NGS OPUS-RS SOLUTION REPORT

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All computed coordinate accuracies are listed as 1-sigma RMS values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C73a79d1cc198479a4e2608d7476b6362%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637056398866436935&sdata=e8KFdMnjTVQyCbBrw1AN05606rJ4zTbO2JB5rsK0Uuk%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: October 02, 2019

RINEX FILE: y_20212s.19o TIME: 19:04:34 UTC

SOFTWARE: rsgps 1.38 RS81.prl 1.99.3 START: 2019/07/31 18:16:19
 EPHEMERIS: igs20643.eph [precise] STOP: 2019/07/31 19:23:38
 NAV FILE: brdc2120.19n OBS USED: 3325 / 3485 : 95%
 ANT NAME: TRMR10 NONE QUALITY IND. 43.67/ 61.22
 ARP HEIGHT: 2.05 NORMALIZED RMS: 0.329

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2019.58023)

X: -1109874.062(m) 0.005(m) -1109875.000(m) 0.005(m)
 Y: -4314914.276(m) 0.009(m) -4314913.018(m) 0.009(m)
 Z: 4550133.554(m) 0.011(m) 4550133.490(m) 0.011(m)

LAT: 45 47 42.86666 0.003(m) 45 47 42.88808 0.003(m)
 E LON: 255 34 30.65916 0.005(m) 255 34 30.60260 0.005(m)
 W LON: 104 25 29.34084 0.005(m) 104 25 29.39740 0.005(m)
 EL HGT: 1011.170(m) 0.014(m) 1010.438(m) 0.014(m)
 ORTHO HGT: 1027.306(m) 0.030(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (2500 MT)

Northing (Y) [meters]	5071458.591	184503.143
Easting (X) [meters]	544701.738	994160.551
Convergence [degrees]	0.41232778	3.71251667
Point Scale	0.99962457	0.99961587
Combined Factor	0.99946613	0.99945743

US NATIONAL GRID DESIGNATOR: 13TEL4470171458(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DQ3889	NDDI NDDICKINSON CORS ARP	N465305.851	W1024436.708	177287.0
DP1963	SDRC RAPID CITY CORS ARP	N440457.973	W1031332.337	212562.9
DQ9796	MTLG MTLG LODGE GRASS CORS ARP	N451844.662	W1072030.205	234008.8

DI2263 P055 GLENDIVEWTMT2006 CORS ARP N470700.145 W1044106.394 148265.7
DI2251 P043 NEWCASTLE_WY2006 CORS ARP N435252.101 W1041108.484 213582.3

NEAREST NGS PUBLISHED CONTROL POINT

QU0006 Y 209 N4547000042 W10425000029 3.7

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

FILE: Z_165_83271800.19o OP1570042996431

NGS OPUS-RS SOLUTION REPORT

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All computed coordinate accuracies are listed as 1-sigma RMS values.

For additional information:

<https://nam05.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ngs.noaa.gov%2FOPUS%2Fabout.jsp%23accuracy&data=02%7C01%7Cmichael.zarlengo%40woolpert.com%7C0505239147b7404840e308d7476b6274%7C49c1e384218e47a1a464d59d76daf482%7C0%7C0%7C637056398848825441&sdata=6aL%2B47ZAPQP0Asc7EBRe94Hw4fliKtbKB%2B1eyc%2BOeuE%3D&reserved=0>

USER: michael.zarlengo@woolpert.com DATE: October 02, 2019

RINEX FILE: z_16180t.19o

TIME: 19:04:28 UTC

SOFTWARE: rsgps 1.38 RS52.prl 1.99.3 START: 2019/06/29 19:09:45
 EPHEMERIS: igs20596.eph [precise] STOP: 2019/06/29 19:51:30
 NAV FILE: brdc1800.19n OBS USED: 4239 / 4356 : 97%
 ANT NAME: TRMR8_GNSS3 NONE QUALITY IND. 11.76/ 28.79
 ARP HEIGHT: 2.000 NORMALIZED RMS: 0.387

REF FRAME: NAD_83(2011)(EPOCH:2010.0000) ITRF2014 (EPOCH:2019.49264)

X: -1227020.637(m) 0.008(m) -1227021.552(m) 0.008(m)
 Y: -4584980.566(m) 0.023(m) -4584979.273(m) 0.023(m)
 Z: 4248550.264(m) 0.028(m) 4248550.162(m) 0.028(m)

LAT: 42 1 25.50637 0.009(m) 42 1 25.52588 0.009(m)
 E LON: 255 1 3.85550 0.005(m) 255 1 3.80258 0.005(m)
 W LON: 104 58 56.14450 0.005(m) 104 58 56.19742 0.005(m)
 EL HGT: 1473.227(m) 0.036(m) 1472.406(m) 0.036(m)
 ORTHO HGT: 1487.471(m) 0.042(m) [NAVD88 (Computed using GEOID18)]

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (4901 WY E)

Northing (Y) [meters]	4652413.514	169232.196
Easting (X) [meters]	501468.443	215271.403
Convergence [degrees]	0.01187500	0.12344722
Point Scale	0.99960003	0.99994037
Combined Factor	0.99936911	0.99970937

US NATIONAL GRID DESIGNATOR: 13TEG0146852413(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DI2251	P043 NEWCASTLE_WY2006 CORS ARP	N435252.101	W1041108.484	216374.2
DG6515	WYLC LARAMIE COUNTY CORS ARP	N410616.294	W1044631.293	103568.3
DL2742	COFC FORT COLLINS CORS ARP	N403536.107	W1050937.568	159592.1

DO2064 WYRF CASPER 2 CORS ARP N424950.364 W1061938.497 142461.2
DH7223 NESC SCOTTS BLUFF CNTY CORS ARP N414937.752 W1033939.720 111767.8
DI2248 P032 RAWLINSWWTWY2005 CORS ARP N414430.003 W1071521.278 191344.7
DQ7963 COSL STERLING CO CORS ARP N403711.861 W1031334.591 214316.8
DF9219 ZDV1 DENVER WAAS 1 CORS ARP N401114.272 W1050737.959 204351.8
AI2151 DSRC BOULDER CORS ARP N395929.130 W1051539.675 226956.6

NEAREST NGS PUBLISHED CONTROL POINT

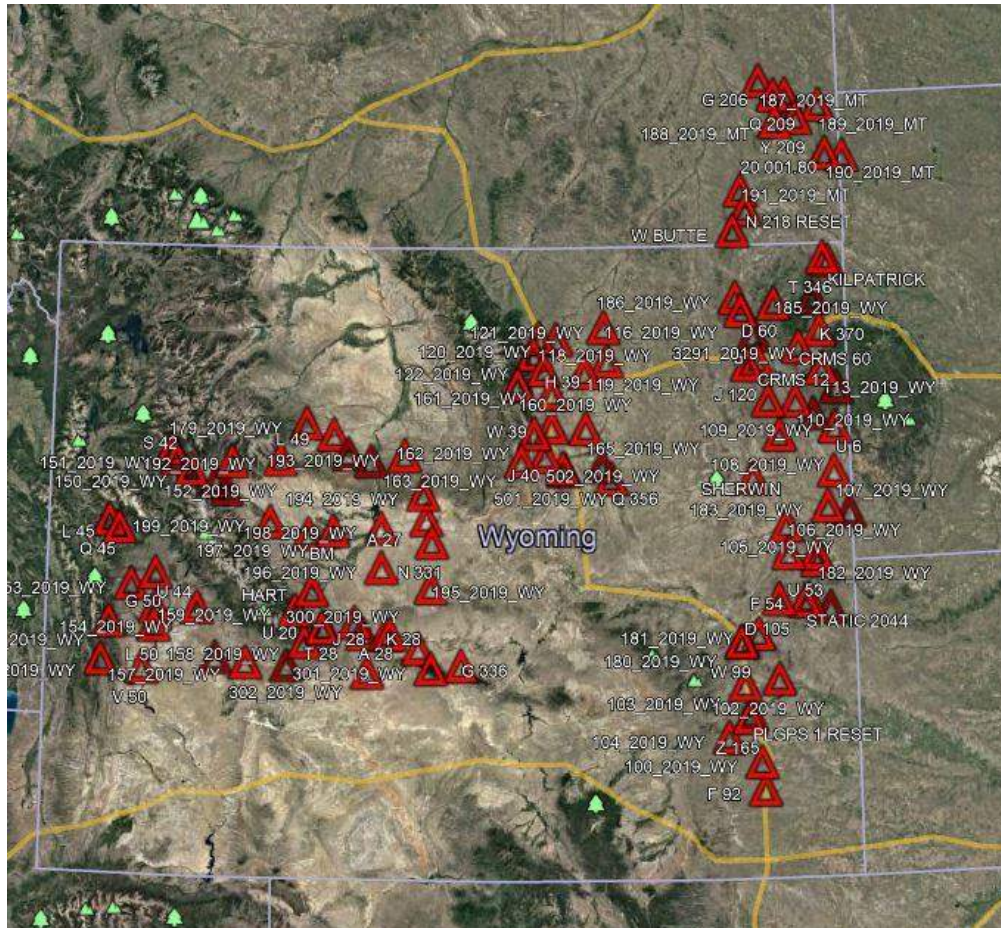
NQ0190 Z 165 N420100025. W1045800056. 0.2

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

Section 5: GPS Control Diagram

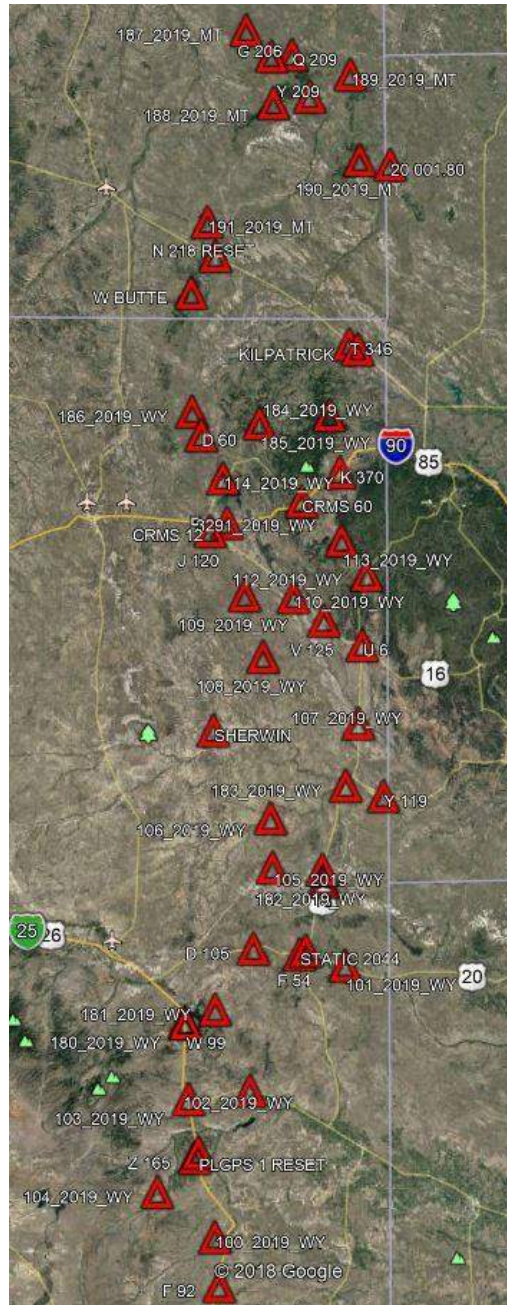
This section contains a graphical representation of the geodetic control stations, LiDAR control points, and the checkpoints established across the project.

Overview of Geodetic Control Network:



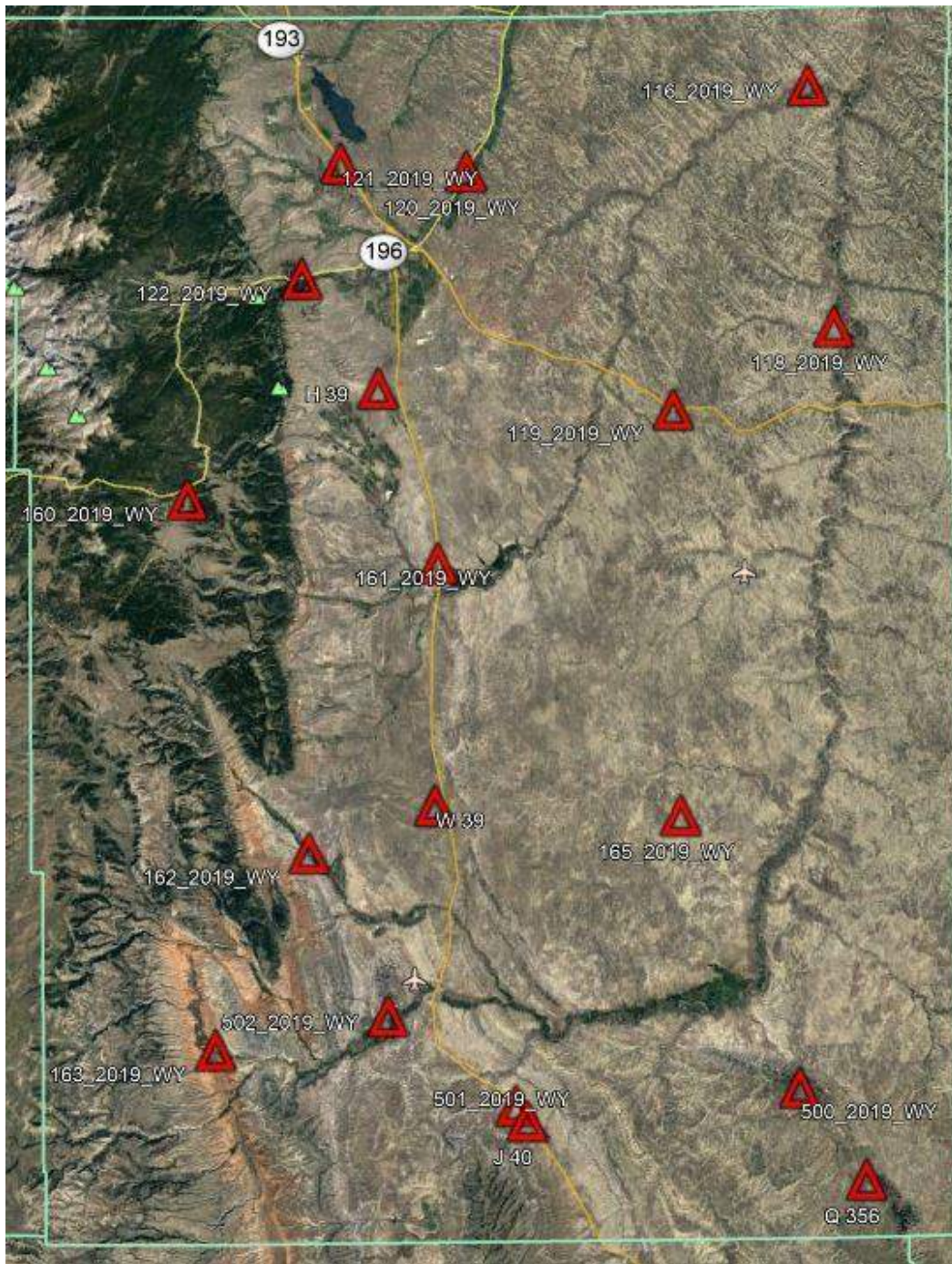
Not to Scale

Geodetic Control Network Blocks 1-4:



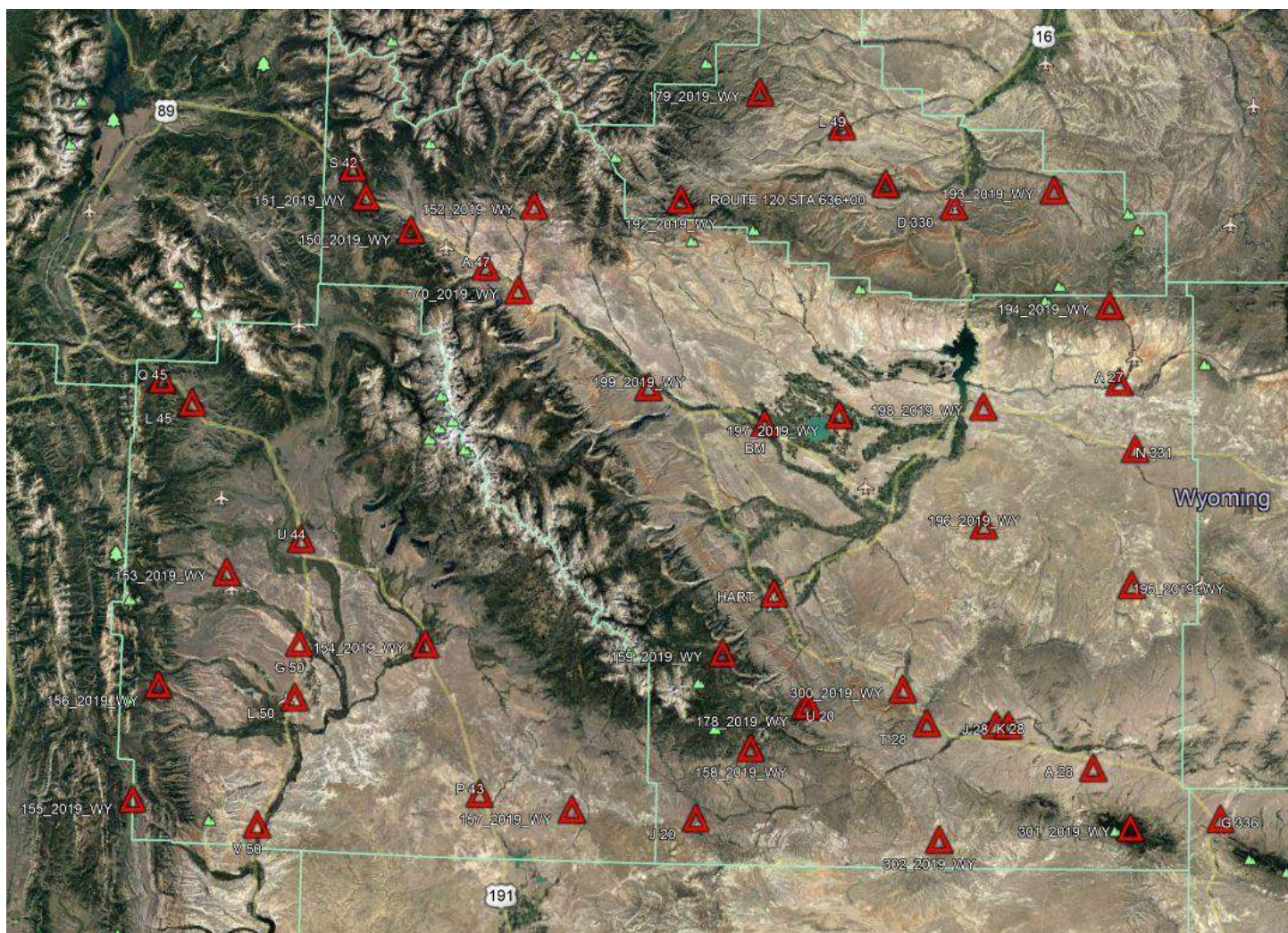
Not to Scale

Geodetic Control Network Blocks 4-5:

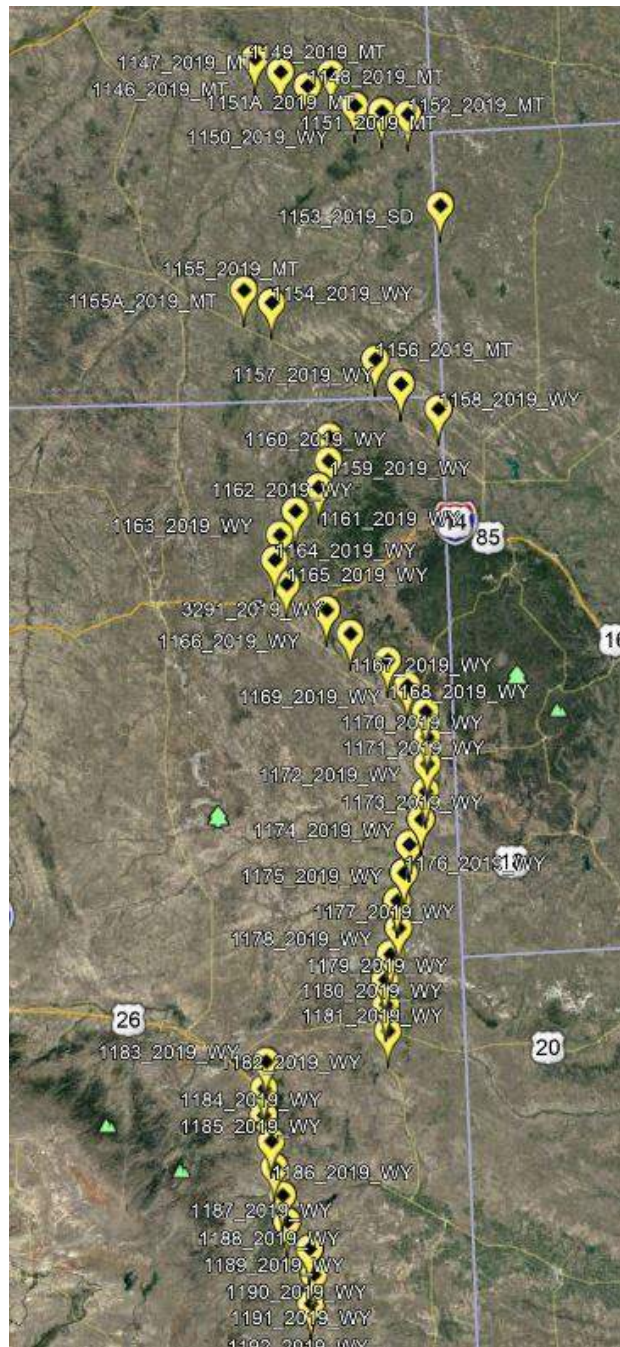


Not to Scale

Geodetic Control Network Blocks 6-10:

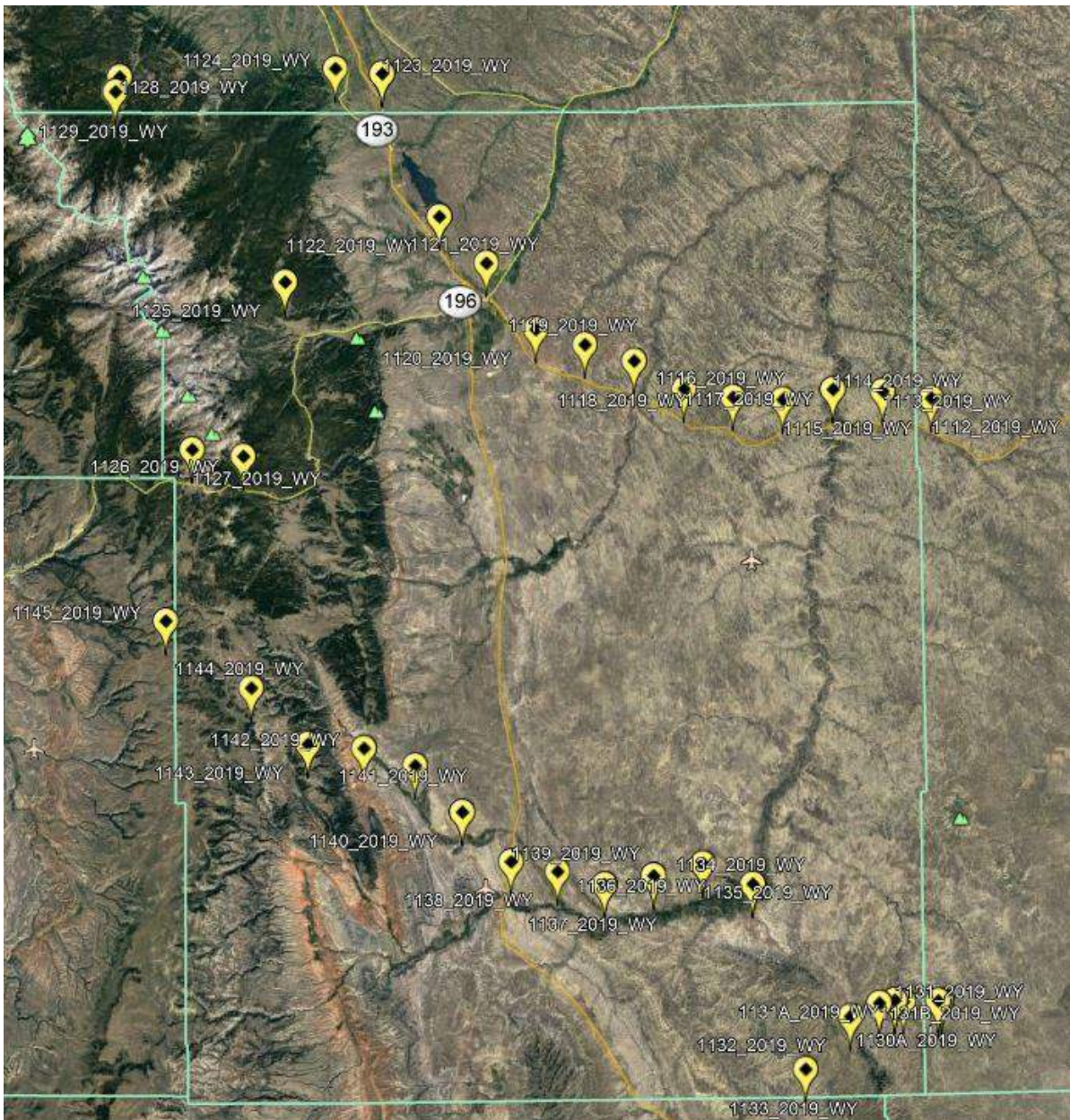


LiDAR Control Blocks 1-4:

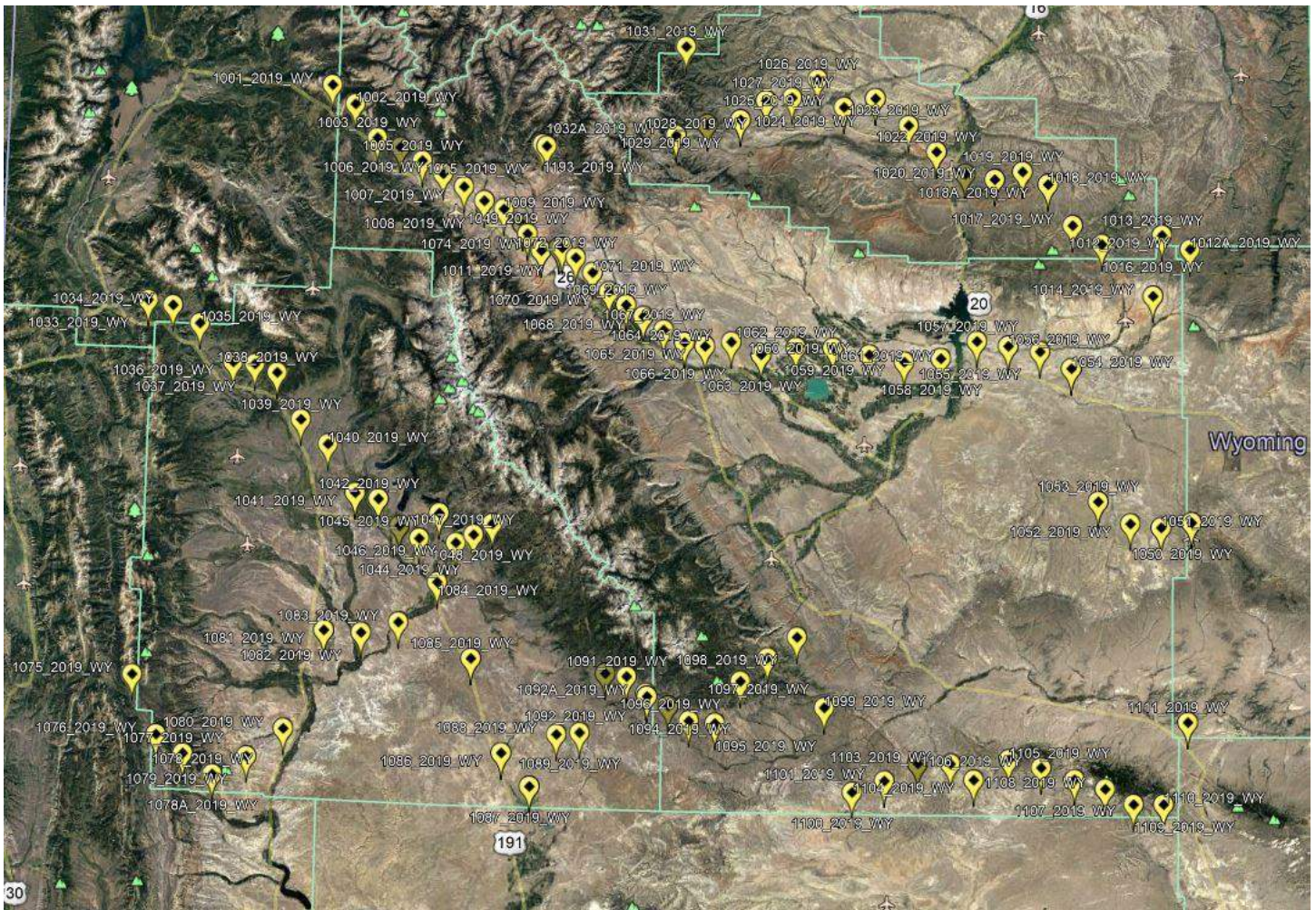


Not to Scale

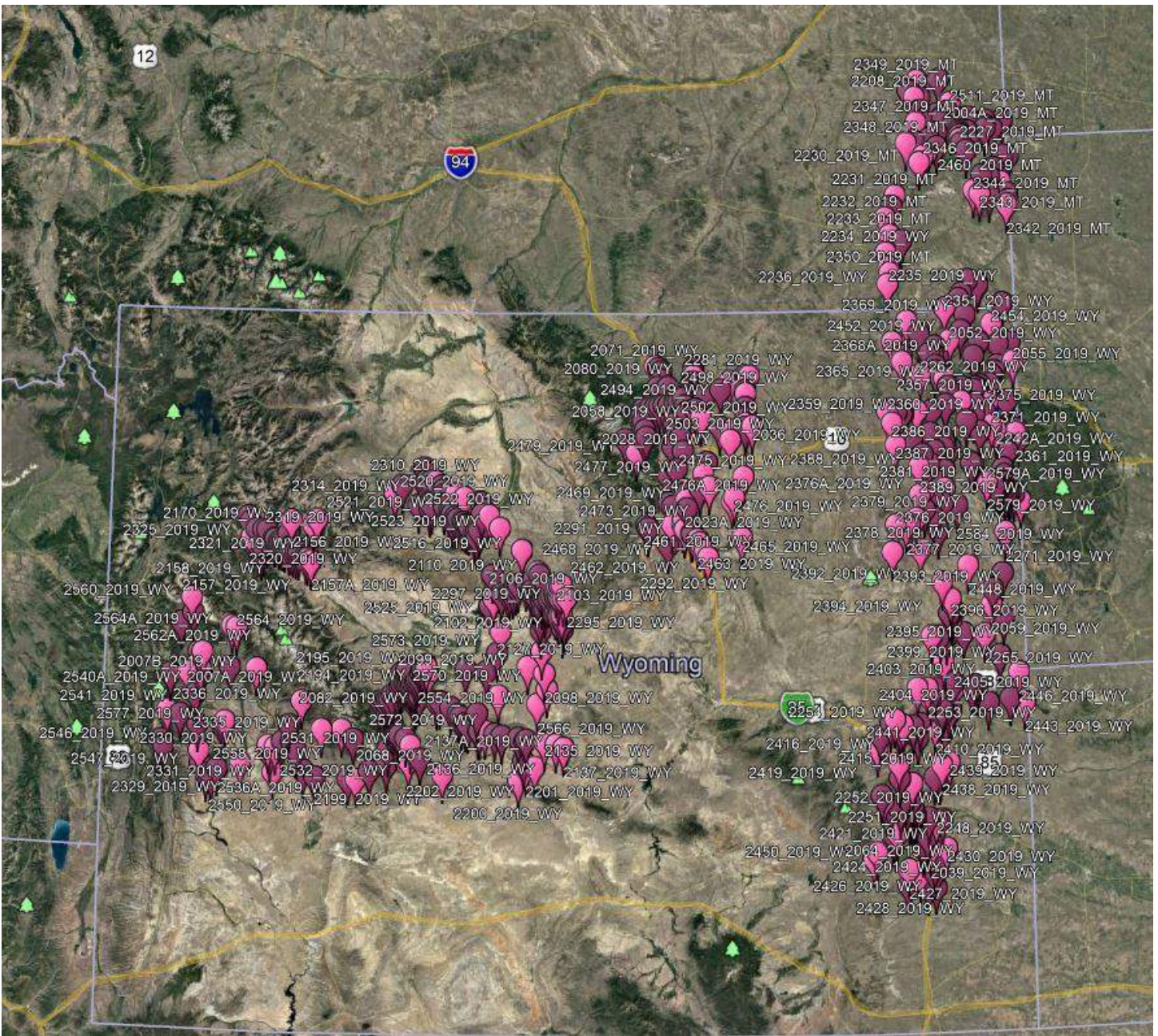
LiDAR Control Blocks 4-5:



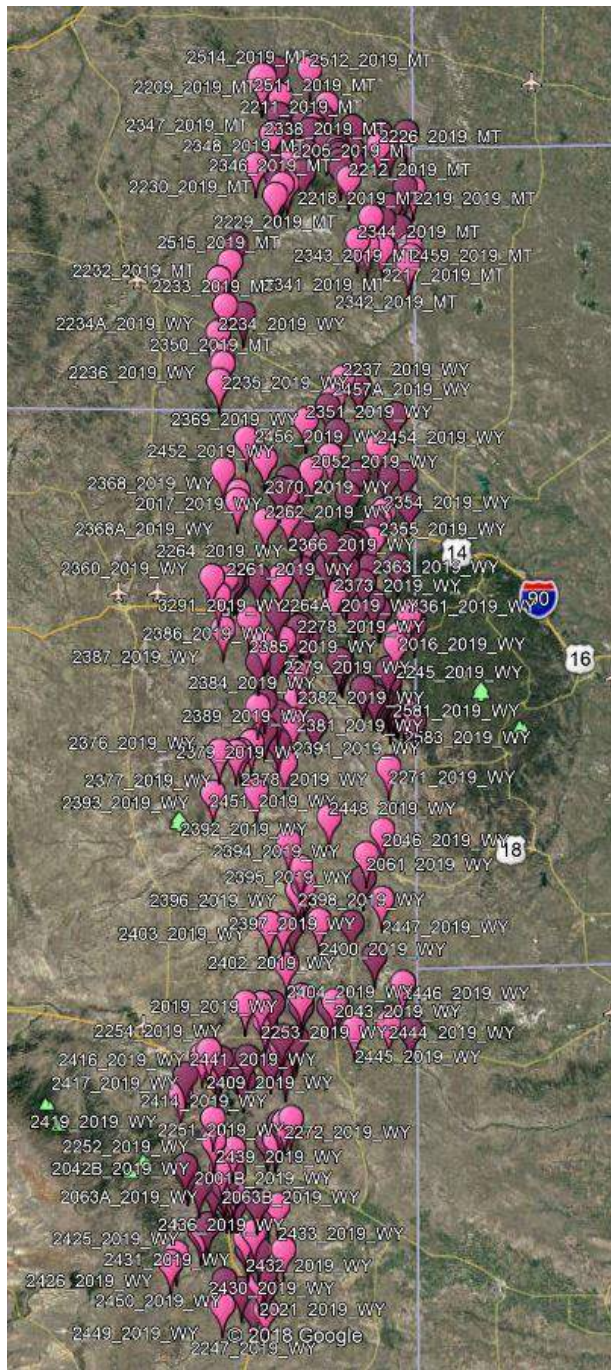
LiDAR Control Blocks 6-10:



NVA Checkpoints Overall:

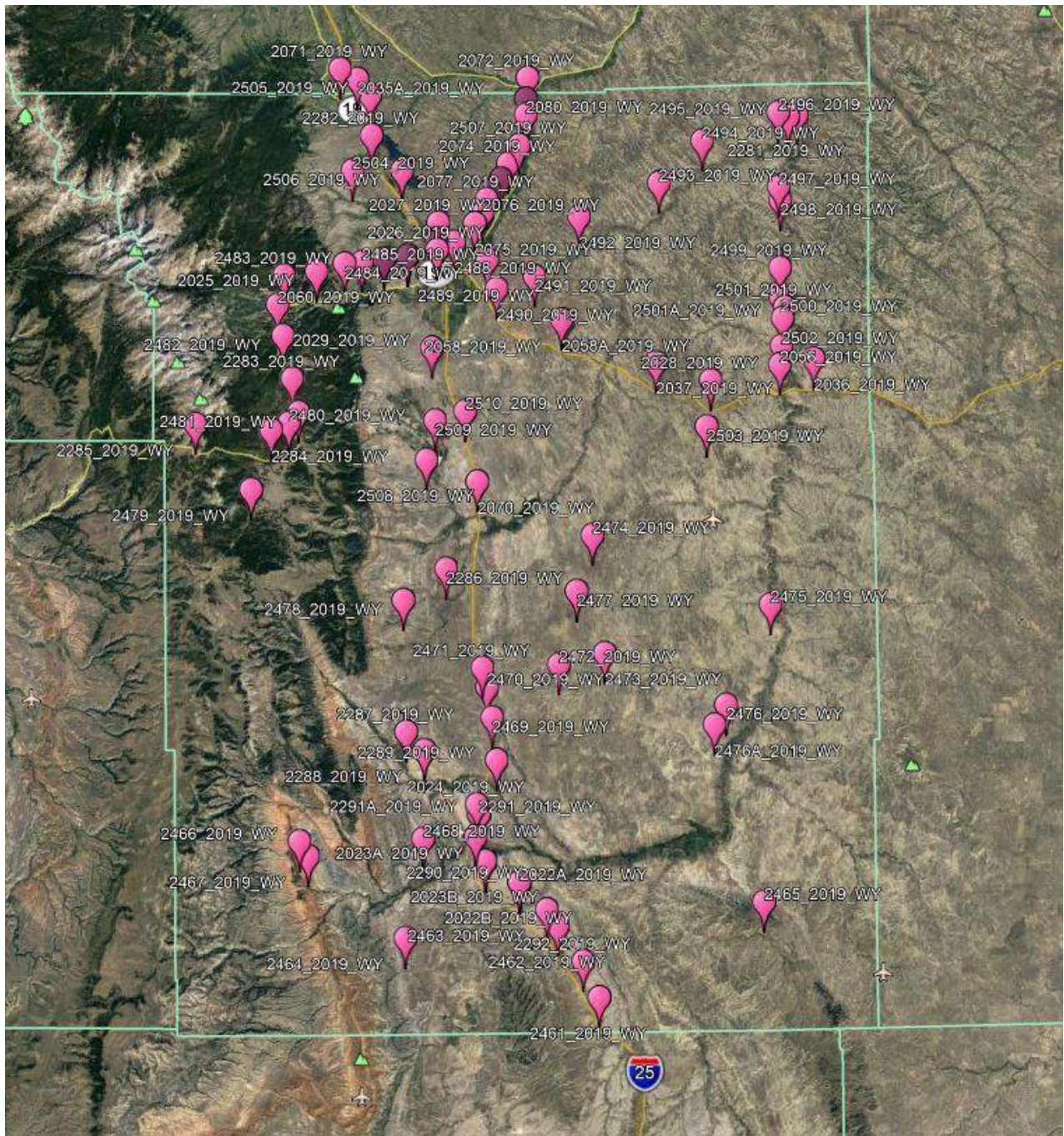


NVA Checkpoints Blocks 1-4:



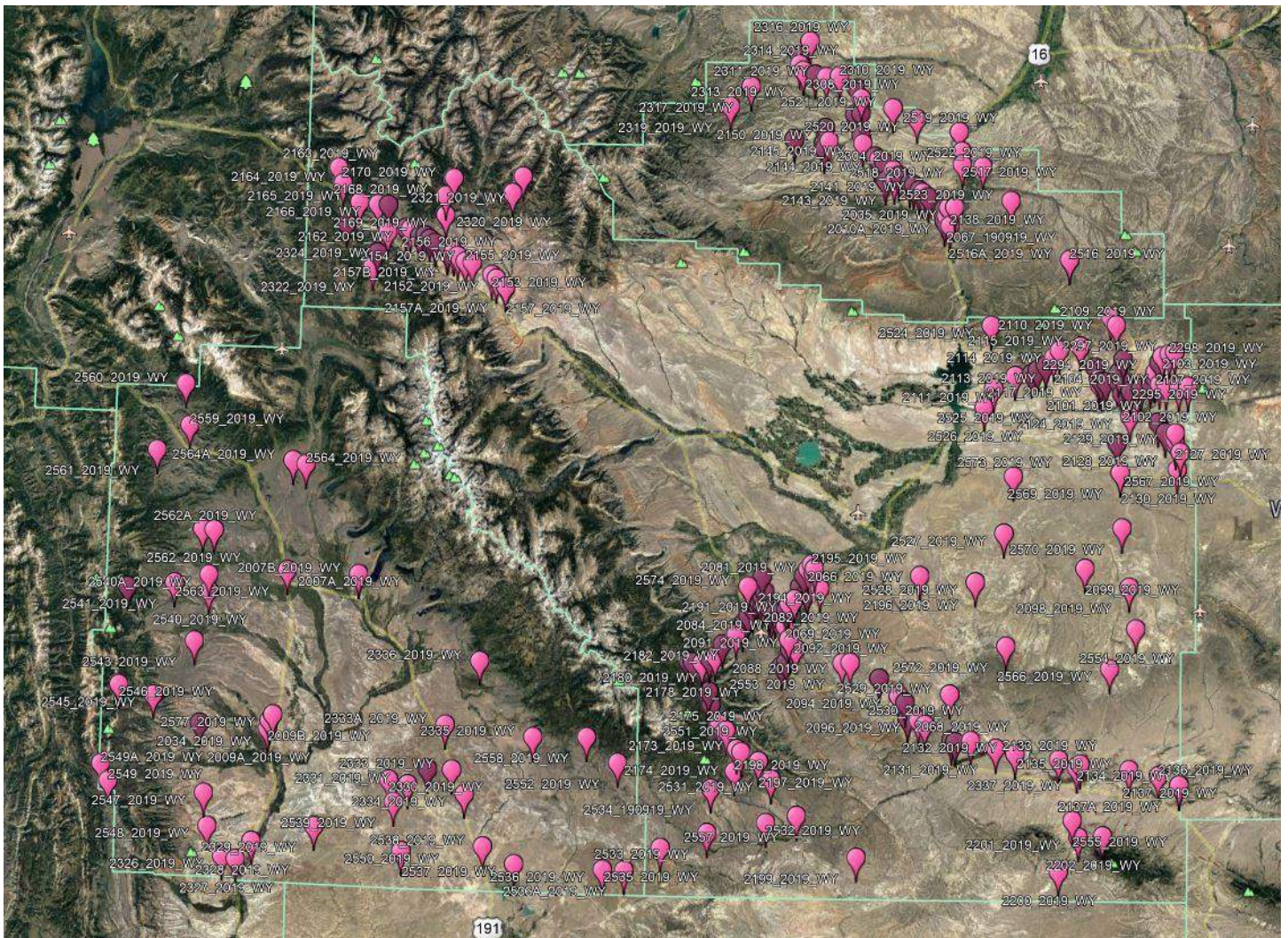
Not to Scale

NVA Checkpoints Blocks 4-5:

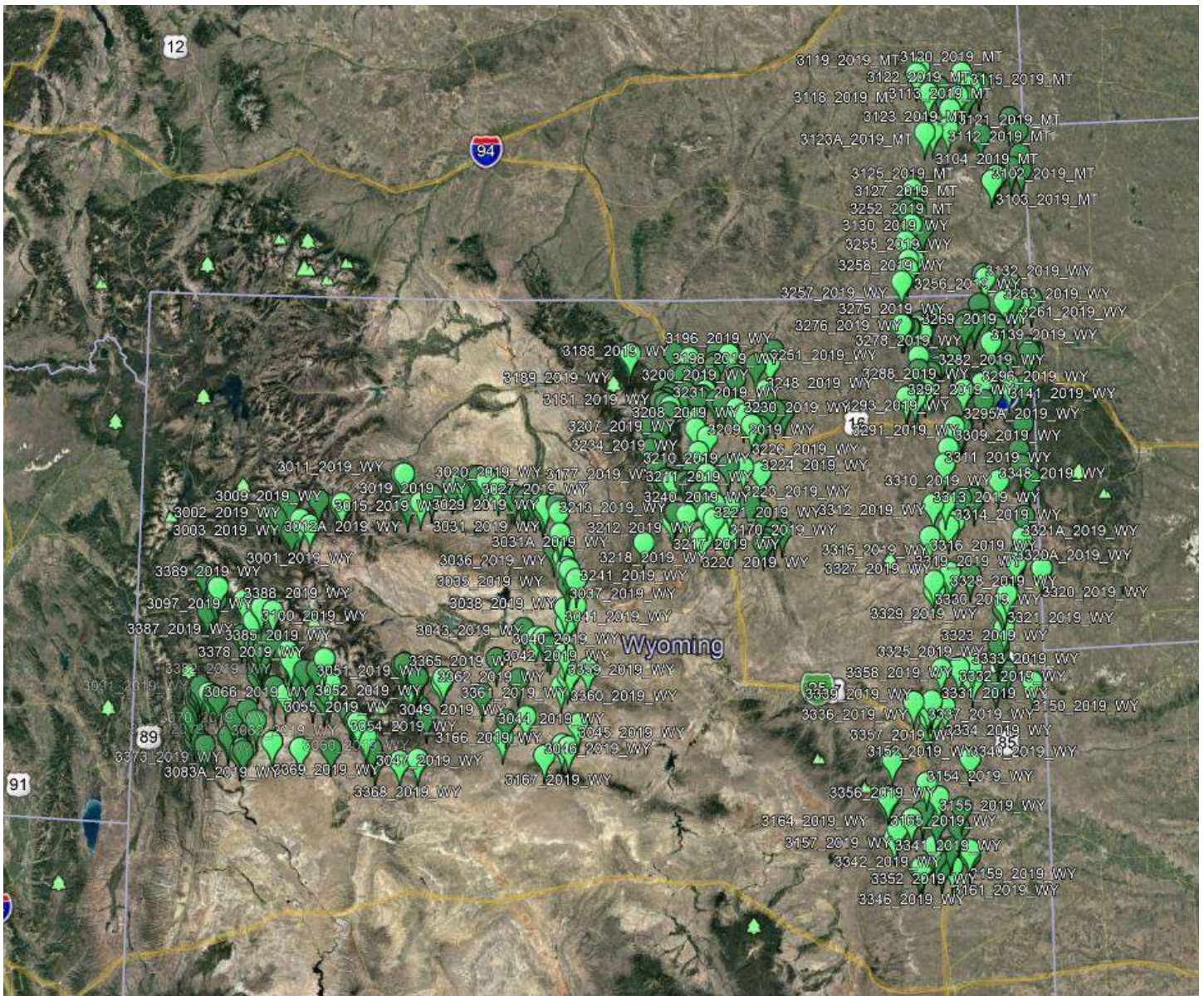


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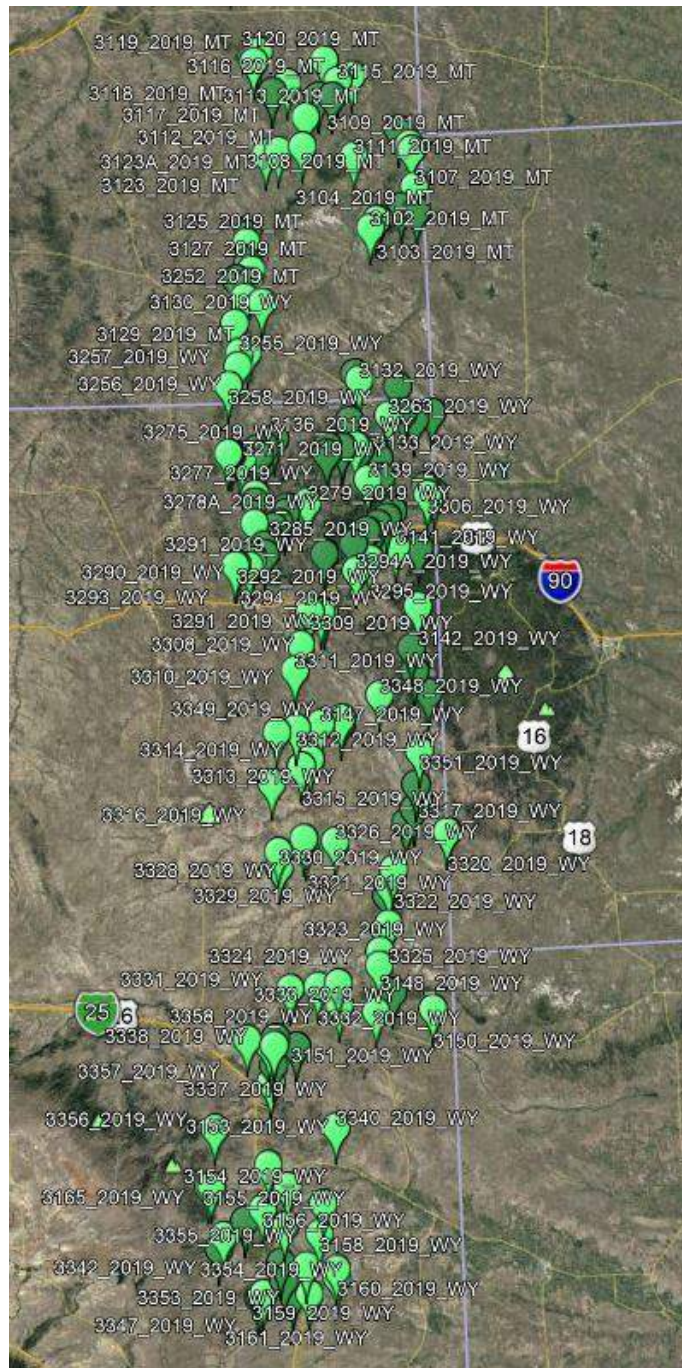
NVA Checkpoints Blocks 6-10:



VVA Checkpoints Overall:

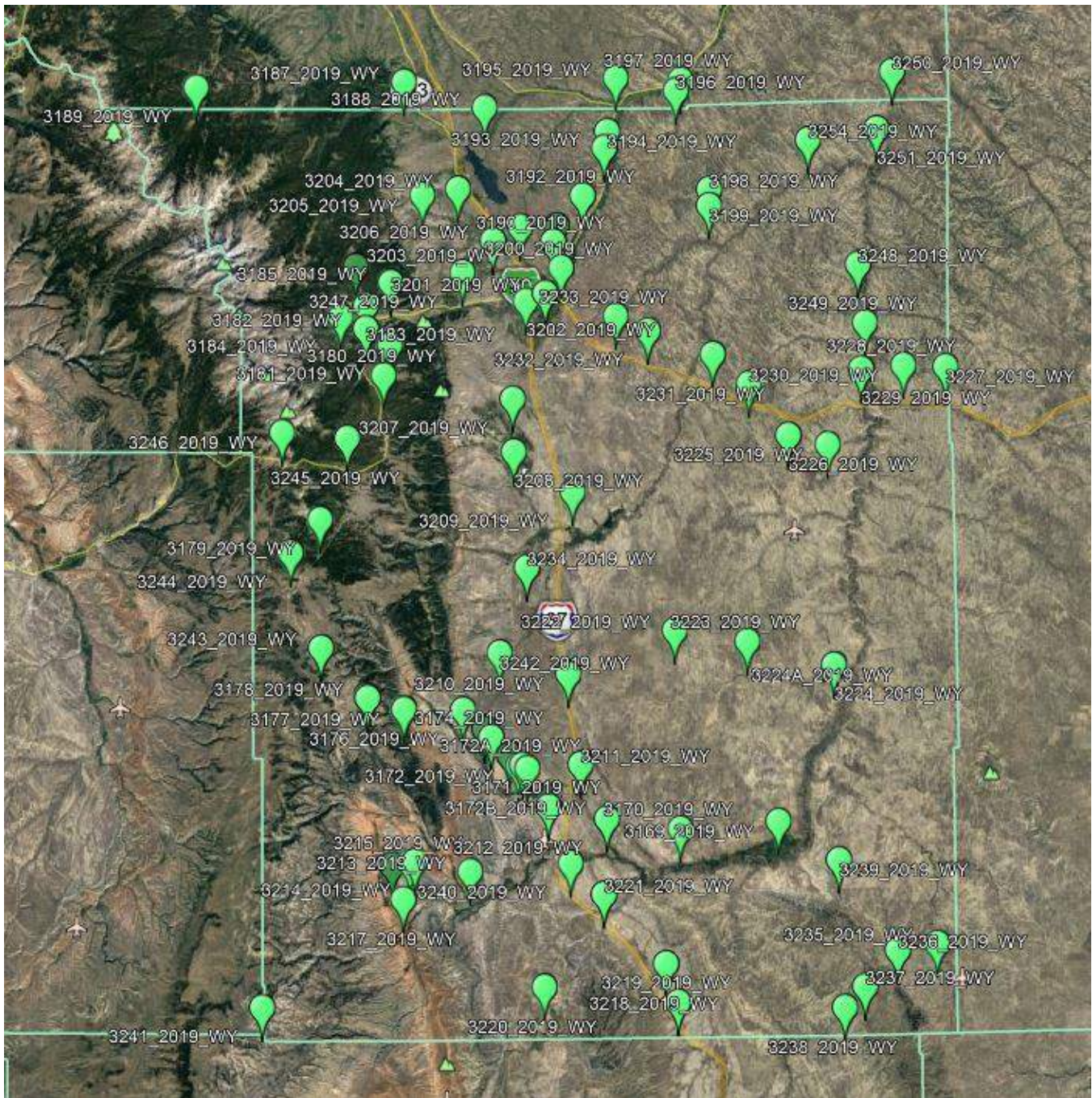


VVA Checkpoints Blocks 1-4:



Not to Scale

VVA Checkpoints Blocks 4-5:



Not to Scale

VVA Checkpoints Blocks 6-10:

