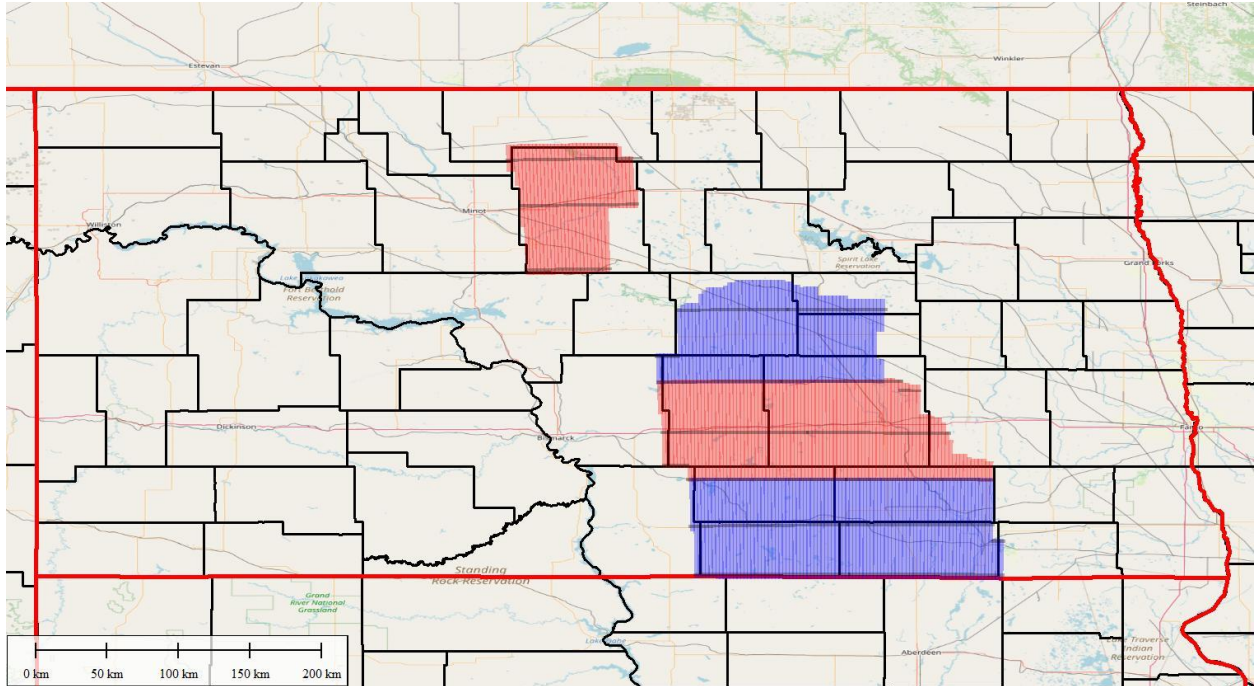


REPORT OF LIDAR SURVEY

Ground Control Report

Central North Dakota

Phase 9



Performed by:

TerraSurv

For:

Fugro Geospatial

Terrasurv Project Number: 21008

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REPORT OF SURVEY

CENTRAL NORTH DAKOTA

INTRODUCTION

Terrasurv, Inc of Pittsburgh, PA was tasked by Fugro Geospatial with performing a control survey in support of LiDAR data collection covering a portion of central North Dakota. The project consisted of two parts: 169 ground control (calibration) points (GCP) and 375 quality control (QC: NVA/VVA/VVA-F), for a total of 544 new stations. The map in figure 1 shows the location of the Ground Control (GCP) and figure 2 shows the location of the QC points. The control symbology for figures 1 and 2 are listed in table 1. Also shown are the Continuously Operating Reference Stations used in the project via the Mid-States VRS/RTN Network.

Table 1 - Map Symbology and Control Quantity

Type	Symbol	VA Quantity
Ground Control (GCP)	Green Dot	169
Non-Vegetated (NVA)	Red Dot	220
Vegetated (VVA)	Red X	150
Woods (VVA-F)	Yellow X	5
CORS	White square with red "+"	23

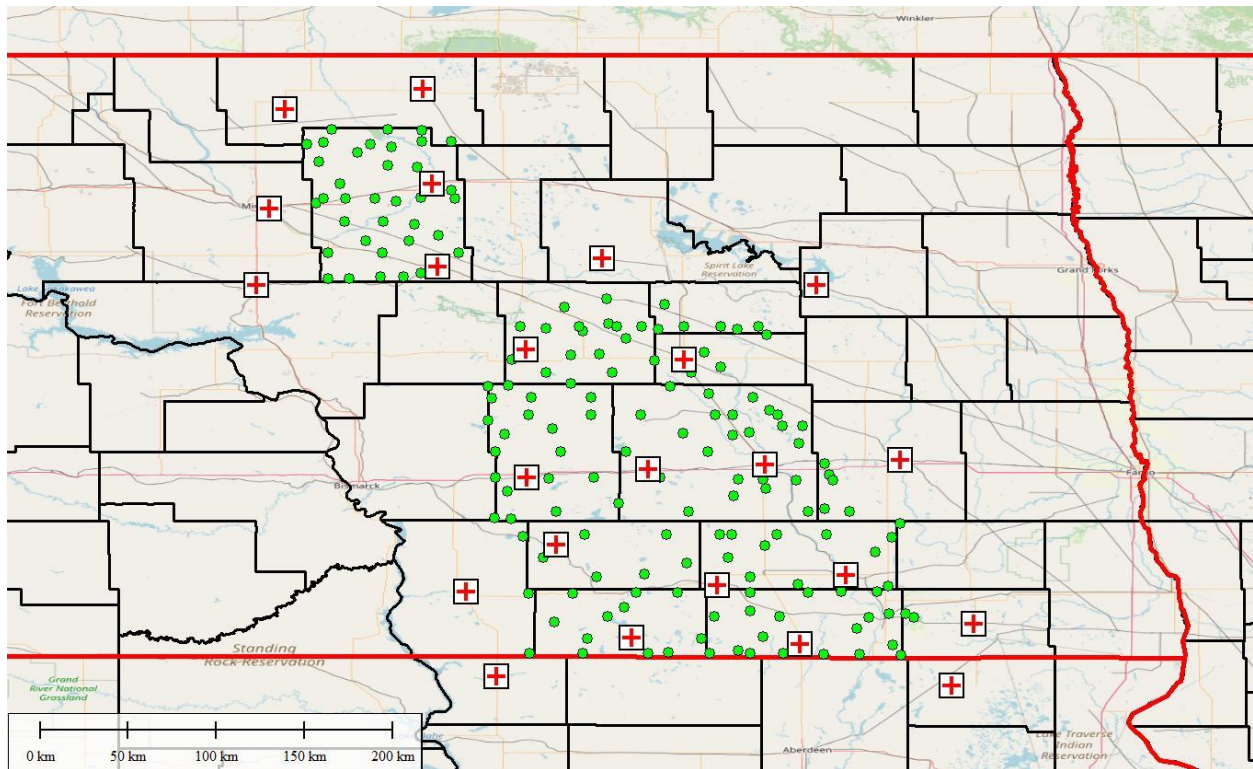


Figure 1 – GCP stations and CORS

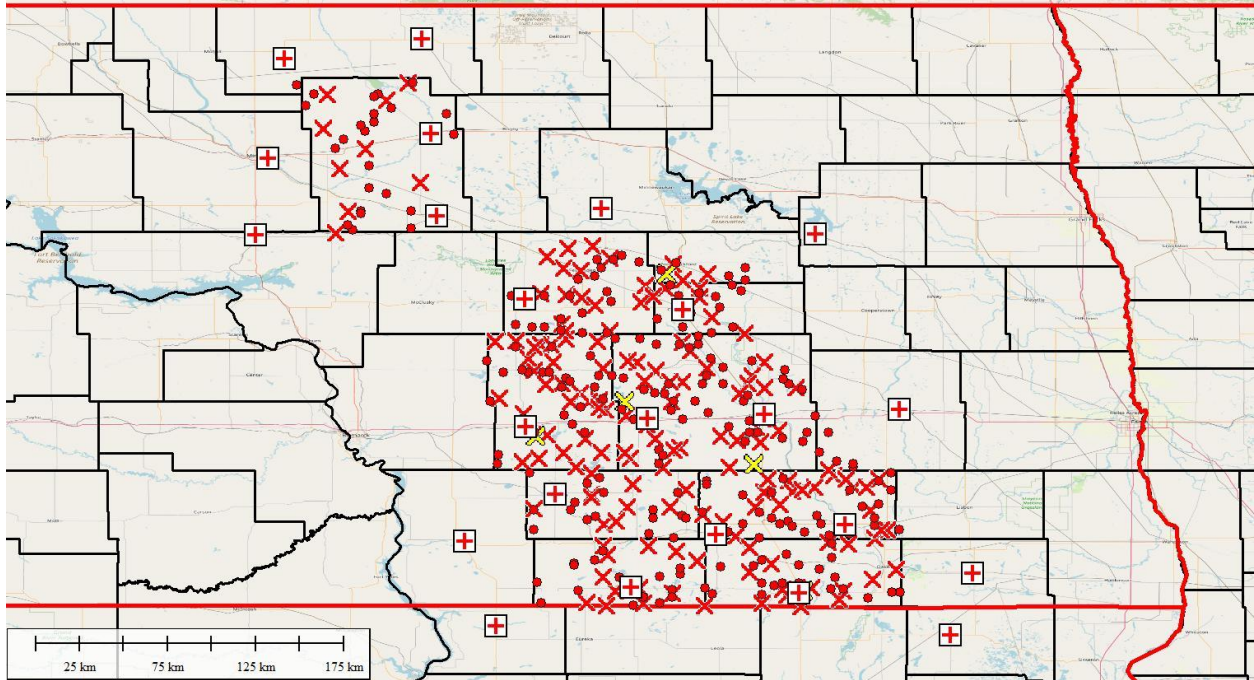


Figure 2 – Checkpoints

CONTROL

The National Spatial Reference System (NSRS) was used to provide control for the network. The Trimble [VRSNow](#) real time network (RTN) was utilized. The horizontal datum was the North American Datum of 1983 – NAD83 (2011), epoch 2010.0. The vertical datum was the North American Vertical Datum of 1988 (NAVD88), realized with the GEOID18 geoid model from the National Geodetic Survey (NGS).

STATIONS

Table 2 lists the GCP and CP stations established in this survey, including the GCP, NVA, VVA, and VVA-F.

Table 2 - Station List

Station Name	GPSID	USGS Quadrangle	Description
GCP001	21008AA	ECKMAN SE	dirt road surface at west edge of 21st Avenue N just north of 78th Street N
GCP002	21008AB	UPHAM	dirt road surface on turn radius from 6th Avenue N NB to 78th Street N EB
GCP003	21008AC	WILLOW CITY	dirt road surface on turn radius from 79th Street NE EB to 19th Avenue NE SB
GCP004	21008AD	NORWICH	dirt EB travel lane of Norwich Way just east of Norwich Road
GCP005	21008AE	DENBIGH	bare ground on SW side of 58th Street at Center Avenue on outside of curve from N-S to the east
GCP006	21008AF	TOWNER SE	bare road surface on turn radius from 14th Avenue NE SB to 59th Street NE WB
GCP007	21008AG	BLACKTAIL COULEE	bare ground in center of 40th Street N on east side of ND 41 opposite ND 23
GCP008	21008AH	BALFOUR NW	sparse grass in middle of field road on west side of 3rd Avenue N opposite 40th Street N
GCP009	21008AI	DRAKE	bare road surface on turn radius from 15th Avenue NB to 40th Street EB

Station Name	GPSID	USGS Quadrangle	Description
GCP010	21008AJ	SIMCOE	bare road surface at north edge of 51st Street N and center of 12th Avenue N
GCP011	21008AK	RANGELEY NW	bare road surface at north edge of 50th Street NE and center of field road north
GCP012	21008AL	BERGEN	bare road surface on turn radius from 7th Avenue N SB to driveway WB
GCP013	21008AM	RANGELEY SE	bare road surface in center of 46th Street NE and just west of 10th Avenue NE
GCP014	21008AN	TOWNER SE	bare dirt on field entrance (13th Avenue NE) on south side of 62nd Street NE
GCP015	21008AO	GRANVILLE	dirt road surface at center of 13th Avenue N and north edge of 64th Street N
GCP016	21008AP	TOWNER NW	sparse grass/dirt in center of 5th Avenue NE on north side of 70th Street NE
GCP017	21008AQ	GRANVILLE NW	sparse grass in center of 72nd Street N just west of 18th Avenue N
GCP018	21008AR	WILLOW CITY SW	dirt road surface of 83rd Street NE on west side of 6th Avenue NE
GCP019	21008AS	NEWBURG SW	dirt road surface of 83rd Street N (field road) on west side of 15th Avenue N
GCP020	21008AT	BANTRY	dirt road surface in NB lane of 2nd Avenue N just north of driveway west
GCP021	21008AU	KONGSBERG	bare dirt road surface on turn radius from 31st Street N WB to 11th Avenue N NB
GCP022	21008AV	DRAKE NW	bare ground on 6th Avenue on north side of 33rd Street
GCP023	21008AW	FESSENDEN WEST	BARE= dirt centerline of 40th Avenue NE and the north edge of 21st Street NE
GCP024	21008AX	NEW ROCKFORD	BARE= dirt southeast quadrant of the intersection of 22nd Street NE and 64th Avenue NE.
GCP025	21008AY	MANFRED SW	BARE= dirt centerline of 28th Avenue NE and the south edge of 14th Street NE.
GCP026	21008AZ	JUANITA	BARE= asphalt centerline of 87th Avenue NE and the south edge of 11th Street NE.
GCP027	21008BA	GRACE CITY	BARE= dirt centerline of 13th Street NE and the west edge of 80th Avenue NE.
GCP028	21008BB	BARLOW	BARE= centerline intersection of 13th Street NE and 61st Avenue NE.
GCP029	21008BC	FESSENDEN SW	BARE= asphalt centerline of a drive to the east of US52.
GCP030	21008BD	HURDSFIELD	BARE= dirt centerline of a field access on the west edge of 26th Avenue NE.
GCP031	21008BE	CHASELEY	BARE= dirt centerline of 2nd Street SE and the east edge of 34th Avenue SE.
GCP032	21008BF	SYKESTON	BARE= centerline of a field access on the west edge of 50th Avenue SE.
GCP033	21008BG	CARRINGTON EAST	BARE= gravel centerline of a field access on the northeast edge of US281.
GCP034	21008BH	COURTENAY NW	BARE= gravel centerline of a field access on the east edge of ND 20 N.
GCP035	21008BI	BOWDEN SE	BARE= centerline of 43rd Avenue SE and 11th Street SE.
GCP036	21008BJ	SENIOR LAKE	BARE= northwest edge of 11th Street SE.
GCP037	21008BK	WOODHOUSE LAKE	BARE= dirt centerline of 11th Street SE and the east edge of 19th Avenue SE.
GCP038	21008BL	LAKE HELEN	BARE= centerline of 18th Avenue SE and the north edge of ND36
GCP039	21008BM	TUTTLE	BARE= dirt centerline of 17th Street SE and the west edge of 28th Avenue SE.
GCP040	21008BN	WOODWORTH	BARE= centerline of a field access on the west edge of 55th Avenue SE.
GCP041	21008BO	PINGREE	BARE= dirt centerline of 73rd Avenue SE and the south edge of 17th Street SE.
GCP042	21008BP	JIM LAKE	BARE= dirt centerline of 77th Avenue SE and the south edge of 17th Street SE.

Station Name	GPSID	USGS Quadrangle	Description
GCP043	21008BQ	BUCHANAN	BARE= dirt centerline of 77th Avenue SE and the south edge of 24th Street SE.
GCP044	21008BR	ELDRIDGE SE	BARE= dirt centerline of a private drive to the west of 76th Avenue SE.
GCP045	21008BS	JUD SE	BARE= dirt centerline of 74th Avenue SE and the south edge of 59th Street SE.
GCP046	21008BT	JUD	BARE= center of intersection of 71st Avenue SE and 59th Street SE.
GCP047	21008BU	GACKLE SOUTH	BARE= dirt centerline of a field access on the east edge of 58th Avenue SE.
GCP048	21008BV	STREETER FLATS	BARE= dirt centerline of 59th Street SE and the west edge of 38th Avenue SE.
GCP049	21008BW	KINTYRE	BARE= dirt centerline of 60th Street SE and the west edge of 23rd Avenue SE.
GCP050	21008BX	STONY SLOUGH	BARE= dirt centerline of 30th Street SE and 18th Avenue SE.
GCP051	21008BY	TAPPEN NORTH	BARE= dirt centerline of a field access on the south side of 30th Street SE, just east from a powerline.
GCP052	21008BZ	CRYSTAL SPRINGS	BARE= intersection of track roads 30th Street SE
GCP053	21008CA	ELDRIDGE NW	BARE= dirt centerline of 71st Avenue SE and the north edge of 30th Street SE, both mud field roads.
GCP054	21008CB	SPIRITWOOD	BARE= dirt centerline of 34th Street SE and west edge of 98th Avenue SE.
GCP055	21008CC	ECKELSON SW	BARE= dirt centerline of 38th Street SE and the east side of 99th Avenue SE.
GCP056	21008CD	MARION NW	BARE= dirt centerline of 98th Avenue SE and the south edge of 50th Street SE.
GCP057	21008CE	DICKEY	BARE= dirt centerline of 59th Street SE and the west edge of 97th Avenue SE.
GCP058	21008CF	LITCHVILLE SE	BARE= dirt centerline of 113th Avenue SE on the south edge of 60th Street SE.
GCP059	21008CG	CRETE	BARE= dirt centerline of 117th Avenue SE and the north edge of 88th Street SE.
GCP060	21008CH	GLOVER	BARE= centerline of a field access on the north edge of 88th Street SE and extended centerline of 105th Avenue SE.
GCP061	21008CI	MONANGO NW	BARE= dirt centerline of 88th Street SE and the west edge of 84th Avenue SE.
GCP062	21008CJ	MERRICOURT NW	BARE= dirt centerline of a drive to a gravel stockpile on the north edge of 88th Street SE.
GCP063	21008CK	FORBES	BARE= dirt centerline of 100th Street SE and the west edge of 74th Avenue SE.
GCP064	21008CL	GREENWAY	BARE= dirt centerline of 36th Avenue SE and the north edge of 101st Street SE.
GCP065	21008CM	ZEELAND NW	BARE= dirt center intersection of field tracks.
GCP066	21008CN	SCHUMACHER LAKE NE	BARE= dirt centerline intersection of 101st Street SE and 52nd Avenue SE.
GCP067	21008CO	HAGUE SE	BARE= dirt centerline of a drive to a church on the south edge of 90th Street SE.
GCP068	21008CP	DANZIG	BARE= dirt centerline of 85th Street SE and the west edge of 46th Avenue SE.
GCP069	21008CQ	KULM	BARE= dirt centerline of a field access on the north edge of 77th Street SE.
GCP070	21008CR	FREDONIA NE	BARE= asphalt centerline of a field access on the west edge of ND 56.
GCP071	21008CS	MCKENNA LAKE SOUTH	BARE= northwest quadrant of the intersection of 67th Street SE and 28th Avenue SE.
GCP072	21008CT	LEHR	BARE= dirt centerline of drive to the north of 73rd Street SE.
GCP073	21008CU	WISHEK	BARE= dirt centerline of a field track and the west edge of 41st Avenue SE.
GCP074	21008CV	COLDWATER LAKE	BARE= dirt centerline of 65th Avenue SE and the north edge of Highway 11.
GCP075	21008CW	HECLA NE	BARE= centerline intersection of 98th Street SE and 112th Avenue SE.

Station Name	GPSID	USGS Quadrangle	Description
GCP076	21008CX	MONANGO SW	BARE= intersection of 80th Avenue SE and 95th Street SE.
GCP077	21008CY	SAVO NW	BARE= dirt centerline of 95th Avenue SE and the north edge of 101st Street SE.
GCP078	21008CZ	GUELPH	BARE= dirt centerline of 92nd Street SE and the west edge of 103rd Avenue SE.
GCP079	21008DA	VERONA	BARE= dirt centerline of 77th Street SE and the east edge of ND1.
GCP080	21008DB	VERONA NW	BARE= centerline intersection of 109th Avenue SE and 65th Street SE.
GCP081	21008DC	NORTONVILLE	BARE= asphalt centerline of 63rd Street SE and the west edge of US281.
GCP082	21008DD	EDGELEY SE	BARE= dirt centerline of a drive to the east of 90th Avenue SE.
GCP083	21008DE	GRAND RAPIDS	BARE= gravel centerline of a field access on the west edge of 101st Avenue SE.
GCP084	21008DF	KULM-EDGELEY DAM	BARE= dirt intersection of field track roads
GCP085	21008DG	GACKLE NE	BARE= dirt centerline of 65th Avenue SE and the north edge of 51st Street SE.
GCP086	21008DH	KINTYRE NE	BARE= asphalt centerline of 51st Street SE and the east edge of ND3
GCP087	21008DI	LAKE GENEVA	BARE= centerline of 44th Street SE and 21st Avenue SE.
GCP088	21008DJ	CLEVELAND SW	BARE= dirt centerline of a field access on the west side of 58th Avenue SE.
GCP089	21008DK	TAPPEN SE	BARE= dirt centerline of 39th Street SE and the west edge of 42nd Avenue SE.
GCP090	21008DL	GOLDWIN SE	BARE= centerline of a drive to some silos on the east edge of 65th Avenue SE.
GCP091	21008DM	HORSEHEAD LAKE	BARE= centerline of 22nd Street SE at end of road.
GCP092	21008DN	HARRIET LAKE SE	BARE= dirt centerline of 24th Street SE and the east edge of 22nd Avenue SE.
GCP093	21008DO	BORDULAC SW	BARE= gravel centerline of a field access on the northeast side of US281.
GCP094	21008DP	CARRINGTON EAST	BARE= center of intersection of 5th Street NE and 72nd Avenue NE.
GCP095	21008DQ	DOVER	BARE= dirt centerline of 2nd Street NE and the east edge of 60th Avenue NE.
GCP096	21008DR	FESSENDEN EAST	BARE= dirt centerline of 15th Street NE and the east edge of 49th Avenue NE.
GCP097	21008DS	BOWDEN	BARE= centerline intersection of 40th Avenue NE and 4th Street NE.
GCP098	21008DT	WAGON WHEEL HILL	BARE= dirt centerline of dirt road from the east and the east edge of 38th Avenue SE.
GCP099	21008DU	CARRINGTON SW	BARE= center of the intersection of 7th Street SE and 62nd Avenue SE.
GCP100	21008DV	BUCHANAN	BARE= dirt centerline of 23rd Street SE and the west edge of 81st Avenue SE.
GCP101	21008DW	SPIRITWOOD LAKE	BARE= dirt centerline of 93rd Avenue SE and south edge of 27th Street SE.
GCP102	21008DX	HOMER	BARE= dirt centerline of a field access on the north edge of 43rd Street SE.
GCP103	21008DY	MARION NW	BARE= dirt centerline of 51st Street SE and the west edge of 94th Avenue SE.
GCP104	21008DZ	MARION NE	BARE= dirt centerline of 51st Street SE and the west edge of 104th Avenue SE.
GCP105	21008EA	LITCHVILLE SE	BARE= dirt centerline of 115th Avenue SE and the south edge of 55th Street SE.
GCP106	21008EB	KARLSRUHE NW	bare road surface on turn radius from 51st Street WB to 3rd Avenue NB
GCP107	21008EC	UPHAM	dirt road surface of 83rd Street N on west side of 2nd Avenue N
GCP108	21008ED	NEWBURG SW	dirt road surface in NB travel lane of 17th Avenue N
GCP109	21008EE	UPHAM SE	sparse grass in middle of field entrance opposite 1st Avenue N on north side of 77th Street N

Station Name	GPSID	USGS Quadrangle	Description
GCP110	21008EF	WILLOW CITY SW	dirt road surface in middle of 6th Avenue NE at south edge of 79th Street NE
GCP111	21008EG	GRANVILLE SW	dirt road surface in NB lane of 17th Avenue N just north of 59th Street N
GCP112	21008EH	GRANVILLE	north edge of Prospect Street at center of drive to the NE opposite Grant Avenue to the south
GCP113	21008EI	RIGA	center of 59th Street N and 5th Avenue N extended
GCP114	21008EJ	TOWNER	dirt/sparse grass in center of field road on east side of ND 14
GCP115	21008EK	RUSO	bare dirt on access road to substation on east side of ND 41
GCP116	21008EL	BUTTE	bare dirt in middle of side road on west side of 4th Avenue NE
GCP117	21008EM	KIEF	bare road surface of NB lane of 2nd Avenue NE
GCP118	21008EN	KARLSRUHE	bare road surface in intersection of 44th Street NE and 3rd Avenue NE
GCP119	21008EO	LAKE WILLIAMS	BARE= dirt centerline of 17th Street SE and the east edge of 43rd Avenue SE.
GCP120	21008EP	SPIRITWOOD LAKE	BARE= gravel east edge of 89th Avenue SE and 21st Street SE.
GCP121	21008EQ	SPIRITWOOD LAKE	BARE= dirt centerline of 21st Street SE and east edge of 94th Avenue SE.
GCP122	21008ER	ECKELSON SE	BARE= dirt centerline of 100th Avenue SE and the north side of 40th Street SE.
GCP123	21008ES	YPSILANTI	BARE= dirt centerline of a field track to the east of 91st Avenue SE.
GCP124	21008ET	HOMER	BARE= asphalt centerline of a private drive to the east of 83rd Avenue SE.
GCP125	21008EU	ELDRIDGE SE	BARE= dirt east edge of 77th Avenue SE and centerline of a field track to the east.
GCP126	21008EV	LAKE GENEVA	BARE= centerline of a private drive and the west edge of 444th Street NE.
GCP127	21008EW	DAWSON	BARE= west side of 31st Avenue SE and centerline of a pasture access.
GCP128	21008EX	PURSIAN LAKE	BARE= dirt centerline of a pasture access on the west edge of 22nd Avenue SE.
GCP129	21008EY	BRADDOCK NE	BARE dirt west edge of 444th Avenue SE and a field track to the west.
GCP130	21008EZ	SCHELL BUTTES SW	BARE= asphalt centerline of 23rd Avenue SE and the north edge of Highway 13.
GCP131	21008FA	WISHEK SW	BARE= asphalt centerline of a field access on the south edge of Highway 13.
GCP132	21008FB	LEHR	BARE= dirt centerline of a field access on the west edge of 49th Avenue SE.
GCP133	21008FC	KULM	BARE= dirt centerline of a field access on the east edge of 69th Avenue SE.
GCP134	21008FD	GUYSON	SPARSE= grass and gravel centerline of a field access on the west edge of 59th Avenue SE.
GCP135	21008FE	KULM-EDGELEY DAM	BARE= asphalt centerline of a drive apron on the west edge of ND2.
GCP136	21008FF	INDEPENDENCE	BARE= dirt centerline of 79th Street SE and the east edge of 108th Avenue SE.
GCP137	21008FG	LA MOURE	BARE= dirt centerline of 79th Street SE and the west edge of 99th Avenue SE.
GCP138	21008FH	LA MOURE SW	BARE= dirt centerline of a field access on the east edge of 91st Avenue SE.
GCP139	21008FI	OAKES	BARE= dirt centerline of 87th Street SE and the east edge of 111th Avenue SE.
GCP140	21008FJ	CRETE	BARE= dirt centerline of 87th Street SE and the east edge of 115th Avenue SE.
GCP141	21008FK	HECLA NE	BARE= dirt centerline of a drive to the east of 114th Avenue SE.
GCP142	21008FL	HECLA	BARE= centerline of a field access on the south edge of 101st Street SE.

Station Name	GPSID	USGS Quadrangle	Description
GCP143	21008FM	ELLEDALE SOUTH	BARE= dirt centerline of a field track to the east of 85th Avenue SE.
GCP144	21008FN	FORBES NW	BARE= dirt center of the intersection of 101st Street SE and 67th Avenue SE.
GCP145	21008FO	FORBES	BARE= dirt centerline of 77th Avenue SE and the south edge of 101st Street SE.
GCP146	21008FP	LONG LAKE NW	BARE= centerline of a pasture access on the east side of 57th Avenue SE.
GCP147	21008FQ	JUANITA	BARE= dirt centerline of 85th Avenue NE and the north edge of 14th Street NE.
GCP148	21008FR	BRANTFORD	BARE= asphalt centerline of a field access on the east side of 76th Avenue NE.
GCP149	21008FS	NEW ROCKFORD SE	BARE= asphalt centerline of a field access on the east edge of US281.
GCP150	21008FT	CATHAY SE	BARE= dirt centerline of 57th Avenue NE and the south edge of 14th Street NE.
GCP151	21008FU	CATHAY	BARE= dirt centerline of 14th Street NE and the east edge of 51st Avenue NE.
GCP152	21008FV	FESSENDEN SW	BARE= dirt centerline of 14th Street NE and the east edge of 42nd Avenue NE.
GCP153	21008FW	MANFRED SE	BARE= dirt centerline of a field access on the west edge of 34th Avenue NE.
GCP154	21008FX	HAMBERG	BARE= dirt centerline of a road to the south of 24th Street NE.
GCP155	21008FY	WOODHOUSE LAKE	BARE= dirt centerline of 18th Avenue SE and the north edge of 461st Avenue NE.
GCP156	21008FZ	WOODHOUSE LAKE	BARE= dirt north side of 7th Street SE and a track road to the north.
GCP157	21008GA	COURTENAY NW	BARE= dirt centerline of 88th Avenue SE and south edge of 17th Street SE.
GCP158	21008GB	JAMESTOWN	BARE= asphalt center of a cul-de-sac on 3rd Street NE and 24th Avenue NE.
GCP159	21008GC	NORTONVILLE	BARE= dirt centerline of 85th Avenue SE and the south edge of 59th Street SE.
GCP160	21008GD	MERRICOURT	BARE= asphalt centerline of 86th Street SE and the west edge of 77th Avenue SE.
GCP161	21008GE	CATHAY	BARE= centerline intersection of Railway Street and 3rd Avenue.
GCP162	21008GF	HEATON	BARE= centerline intersection of Kopper Street and Swinton Avenue.
GCP163	21008GG	STREETER NW	BARE= dirt centerline of a drive to the north of 48th Street SE and 48th Avenue SE extended centerline.
GCP164	21008GH	ARROWWOOD LAKE	BARE= dirt centerline of 82nd Avenue SE and the north edge of 11th Street SE.
GCP165	21008GI	MAY LAKE	BARE= dirt centerline of 42nd Avenue SE and the south edge of 88th Street SE.
GCP166	21008GJ	MAY LAKE SE	BARE= asphalt centerline of a field track to the north of 96th Street SE.
GCP167	21008GK	NEWBURG SE	dirt road surface at south edge of CR 17 at 9th Avenue N
GCP168	21008GL	BORDULAC	BARE= dirt centerline of 76th Avenue SE and the south edge of Main Street SE.
GCP169	21008GM	SCHLECHT-WEIXEL DAM	BARE= dirt centerline of 73rd Avenue SE and the north edge of 67th Street SE.
NVA001	21008GN	WISHEK NE	BARE= dirt centerline of 41st Avenue SE and the north edge of 71st Street SE.
NVA002	21008GO	EMRICK	BARE= centerline of a field access on the west edge of 49th Avenue NE.
NVA003	21008GP	LA MOURE	BARE= gravel centerline of a southern road off of the main road in Lake Lamour.
NVA004	21008GQ	INDEPENDENCE	BARE= dirt centerline of 109th Avenue SE and the north edge of 2 private drives to the east and west.
NVA005	21008GR	LAKE HELEN	BARE= dirt centerline of 20th Street SE and the west edge of 22nd Avenue SE.

Station Name	GPSID	USGS Quadrangle	Description
NVA006	21008GS	LAKE LOUISE	BARE= southwest quadrant of the intersection of 22nd Street SE and 51st Avenue SE.
NVA007	21008GT	KUNKEL LAKE	BARE= centerline intersection of 25th Street SE and 36th Avenue SE
NVA008	21008GU	FREDONIA NE	BARE= dirt centerline of 69th Street SE and the east edge of 67th Avenue SE.
NVA009	21008GV	LAKE LOUISE	BARE= centerline of a field access on the south edge of 21st Street SE.
NVA010	21008GW	FORBES NW	BARE= dirt on the north side of the intersection of 98th Street SE and 68th Avenue SE.
NVA011	21008GX	CLEVELAND NW	BARE= dirt centerline of 30th Street SE at the dead end.
NVA012	21008GY	COURTENAY	BARE= center of the intersection of 19th Street SE and 90th Avenue SE.
NVA013	21008GZ	ELLENDALE NORTH	BARE= dirt centerline of 89th Avenue SE and the north edge of 94th Street SE.
NVA014	21008HA	ROBINSON	BARE= dirt centerline of 31st Avenue SE and the north edge of 20th Street SE.
NVA015	21008HB	LITCHVILLE SE	BARE= dirt centerline of 113th Avenue SE and the south edge of 55th Street SE.
NVA016	21008HC	LA MOURE SW	BARE= asphalt centerline of 96th Avenue SE and the north edge of 73rd Street SE.
NVA017	21008HD	LA MOURE	BARE= dirt centerline of 97th Avenue SE and the south edge of 80th Street SE.
NVA018	21008HE	MONANGO	BARE= dirt centerline of a field access on the east edge of 89th Avenue SE.
NVA019	21008HF	OAKES SE	BARE= dirt centerline of 114th Avenue SE and the south edge of 97th Street SE.
NVA020	21008HG	MARION NW	BARE= dirt centerline of 48th Street SE and the west edge of 97th Avenue SE.
NVA021	21008HH	LA MOURE SW	BARE= dirt southeast quadrant of the intersection of 92nd Avenue SE and 76th Street SE.
NVA022	21008HI	DRAKE NW	bare road surface in NB lane of 4th Avenue NE just south of 37th Street NE
NVA023	21008HJ	FESSENDEN EAST	BARE= dirt centerline of a drive to the south of 17th Street NE.
NVA024	21008HK	LEHR NE	BARE= dirt centerline of a drive to the east of 55th Avenue SE.
NVA025	21008HL	BERLIN	BARE= dirt centerline of 70th Street SE and the west edge of 95th Avenue SE.
NVA026	21008HM	ROBINSON	BARE= dirt centerline of a field track road to the north of 20th Street SE
NVA027	21008HN	KONGSBERG NE	sparse grass on field entrance on west side of 8th Avenue N opposite 37th Street N
NVA028	21008HO	MONANGO	BARE= dirt centerline of a field access on the east edge of 86th Avenue SE.
NVA029	21008HP	FREDONIA NE	BARE= dirt centerline of 62nd Avenue SE and the north edge of 70th Street SE.
NVA030	21008HQ	VERONA NW	BARE= dirt centerline of 109th Avenue SE and the north edge of 71st Street SE.
NVA031	21008HR	YPSILANTI	BARE= asphalt centerline of 88th Avenue SE and the south edge of 43st Street SE.
NVA032	21008HS	TUTTLE	BARE= dirt centerline of 28th Avenue SE and the north edge of 20th Street SE.
NVA033	21008HT	BRANTFORD NE	BARE= dirt centerline of 17th Street NE and the west edge of 82nd Avenue NE.
NVA034	21008HU	CLEVELAND	BARE= dirt centerline of 67th Avenue SE and the south edge of 30th Street SE.
NVA035	21008HV	MONANGO SW	BARE= dirt centerline of 95th Street SE and the west edge of 83rd Avenue SE.
NVA036	21008HW	JUD SE	BARE= dirt centerline of 63rd Street SE and the east edge of 77th Avenue SE.
NVA037	21008HX	SPIRITWOOD LAKE	BARE= asphalt centerline of 91st Avenue SE and south edge of 24th Street SE.
NVA038	21008HY	GRACE CITY	BARE= dirt centerline of 9th Street NE and west edge of 81st Avenue NE.

Station Name	GPSID	USGS Quadrangle	Description
NVA039	21008HZ	KONGSBERG NE	bare ground on turn radius from 8th Avenue N SB to 36th Street WB
NVA040	21008IA	KARLSRUHE NW	sparse grass at north edge of 53rd Street N and at center of 6th Avenue N
NVA041	21008IB	GOLDWIN SW	BARE= centerline of a private drive to the west of 61st Avenue SE.
NVA042	21008IC	CLEVELAND	BARE= asphalt centerline of 3rd Avenue South and south edge of Main Street.
NVA043	21008ID	BRANTFORD	BARE= west edge of 78th Avenue NE and the centerline of a field track.
NVA044	21008IE	CARRINGTON EAST	BARE= dirt centerline of a field access on the south edge of 1st Street NE.
NVA045	21008IF	ECKELSON SW	BARE= dirt centerline of 41st Street SE and the east edge of 99th Avenue SE.
NVA046	21008IG	ECKMAN SE	dirt road surface on turn radius from 81st Street NW EB to 17th Avenue NW SB
NVA047	21008IH	FESSENDEN EAST	BARE= dirt centerline of 20th Street NE and the east edge of 48th Avenue NE.
NVA048	21008II	GACKLE SOUTH	BARE= asphalt centerline of a field access on the west edge of ND56 and opposite 62nd Street SE.
NVA049	21008IJ	RIGA	dirt road surface in intersection of 65th Street N and 7th Avenue N
NVA050	21008IK	SCHUMACHER LAKE NE	BARE= dirt centerline of a field track to the east of 51st Avenue SE.
NVA051	21008IL	STREETER FLATS	BARE= dirt centerline of 57th Street SE and the east edge of 42nd Avenue SE.
NVA052	21008IM	PETTIBONE	BARE= dirt centerline of 45th Avenue SE and the south edge of 21st Street SE.
NVA053	21008IN	PEARL LAKE	BARE= dirt centerline of 27th Street SE and east edge of 58th 1/2 Avenue SE.
NVA054	21008IO	KULM	BARE= dirt centerline of a drive to a wind farm on the north side of 76th Street SE.
NVA055	21008IP	MERRICOURT	BARE= dirt centerline of 78th Avenue SE and the northern tip of a grass island on the north side of 88th Street SE.
NVA056	21008IQ	MELVILLE	BARE= dirt centerline of 69th Avenue SE and the north edge of 10th Street SE.
NVA057	21008IR	DRAKE SW	bare dirt on 4th Avenue NE on north side of 31st Street NE
NVA058	21008IS	CARRINGTON SW	BARE= dirt centerline of a drive to the south of 10th Street SE.
NVA059	21008IT	SAVO NW	BARE= dirt centerline intersection of 100th Street SE and 91st Avenue SE.
NVA060	21008IU	LITCHVILLE SE	BARE= dirt centerline of 113th Avenue SE and the south edge of 61st Street SE.
NVA061	21008IV	DAWSON	BARE= dirt centerline of 41st Street SE and 28th Avenue SE
NVA062	21008IW	ELDRIDGE SW	BARE= dirt south edge of 39th Street SE and centerline of 75th Avenue SE.
NVA063	21008IX	CLEVELAND NW	BARE= dirt centerline of 61st Avenue SE and the south edge of 33rd Street SE.
NVA064	21008IY	KUNKEL LAKE	BARE= dirt centerline of 37th Avenue SE and the north edge of 22nd Street SE.
NVA065	21008IZ	UPHAM	old pavement on 4th Avenue N just north of ND 14 and south of 78th Street N
NVA066	21008JA	HOMER	BARE= dirt centerline of 82nd Avenue SE and the north edge of 41st Street SE.
NVA067	21008JB	JUD	BARE= centerline of a field access on the east edge of 68th Avenue SE.
NVA068	21008JC	HECLA	BARE= dirt centerline of 99th Street SE and the west edge of 106th Avenue SE.
NVA069	21008JD	ASHLEY 4 SW	BARE= dirt centerline of 60th Avenue SE and the south edge of 91st Street SE.
NVA070	21008JE	SPIRITWOOD LAKE	BARE= dirt centerline of 26th Street SE and east edge of 94th Avenue SE.

Station Name	GPSID	USGS Quadrangle	Description
NVA071	21008JF	MELVILLE	BARE= dirt centerline of a field access on the west edge of 67th Avenue SE.
NVA072	21008JG	HAWKS NEST	BARE= dirt centerline of 8th Street SE and the west edge of 55th Avenue SE.
NVA073	21008JH	EDGELEY SE	BARE= dirt centerline of 72nd Street SE and the west edge of 88th Avenue SE.
NVA074	21008JI	ELLEDALE NORTH	BARE= dirt centerline of 85th Avenue SE and the south edge of 94th Street SE.
NVA075	21008JJ	GACKLE NORTH	BARE= centerline intersection of 52nd Street SE and 58th Avenue SE.
NVA076	21008JK	FESSENDEN SW	BARE= dirt centerline of 42nd Avenue NE and the north edge of 13th Street NE.
NVA077	21008JL	SPIRITWOOD	BARE= dirt centerline of a field access on the south edge of 35th Street SE.
NVA078	21008JM	ADRIAN	BARE= dirt centerline of a drive to the north of 57th Street SE.
NVA079	21008JN	LAKE HELEN	BARE= centerline intersection of 18th Avenue SE and 16th Street SE.
NVA080	21008JO	CARRINGTON WEST	BARE= dirt centerline of 61st Avenue SE and the south edge of 1st Street SE.
NVA081	21008JP	BRADDOCK NE	BARE= dirt centerline of 52nd Street SE and the east edge of 19th Avenue SE.
NVA082	21008JQ	GRANVILLE NE	dirt road surface in middle of 8th Avenue N on north side of 67th Street N
NVA083	21008JR	LAKE WILLIAMS	BARE= dirt centerline of 14th Street SE and the east edge of 43rd Avenue SE.
NVA084	21008JS	BORDULAC	BARE= dirt centerline of 75th Avenue SE and the north edge of ND200.
NVA085	21008JT	PINGREE	BARE= dirt centerline of 72nd Avenue SE and north edge of 15th Street SE.
NVA086	21008JU	GRACE CITY	BARE= dirt centerline of a field road on the east edge of 82nd Avenue NE.
NVA087	21008JV	BRANTFORD	BARE= dirt centerline of 75th Avenue NE and the north edge of 7th Street NE.
NVA088	21008JW	HAGUE SE	BARE= dirt centerline of 25th Avenue SE and the north edge of 94th Street SE.
NVA089	21008JX	LITCHVILLE	BARE= dirt centerline of 105th Avenue SE and the south edge of 53rd Street SE.
NVA090	21008JY	GOLDWIN SE	BARE= dirt centerline of 70th Avenue SE and the south edge of 24th Street SE.
NVA091	21008JZ	TAPPEN NORTH	BARE= dirt center of a 4-way intersection of 35th Street SE and 35th Avenue SE.
NVA092	21008KA	WILLOW LAKE	BARE= dirt centerline of 11th Street SE and the west edge of 34th Avenue SE.
NVA093	21008KB	BURNSTAD	BARE= dirt centerline of a field track to the east of 36th Avenue SE.
NVA094	21008KC	TUTTLE	BARE= dirt centerline of a drive to the north of 20th Street SE.
NVA095	21008KD	BOWDEN	BARE= asphalt centerline of 1st Street NE and the west edge of 43rd Avenue NE.
NVA096	21008KE	ELDRIDGE SE	BARE= dirt centerline of 79th Avenue SE and the south edge of 44th Street SE.
NVA097	21008KF	EDGELEY SE	BARE= dirt centerline of 74th Street SE and the west edge of 89th Avenue SE.
NVA098	21008KG	BREMEN	BARE= dirt centerline of a road to the west of 54th Avenue NE.
NVA099	21008KH	BANTRY	dirt road surface on turn radius from 1st Avenue N NB to 73rd Street N EB
NVA100	21008KI	MAY LAKE NW	BARE= dirt center intersection of 34th Avenue SE and a drive to the west.
NVA101	21008KJ	SENIOR LAKE	BARE= asphalt centerline of 11th Street SE and the east side of ND3.
NVA102	21008KK	FULLERTON SE	BARE= dirt centerline of 96th Street SE and the east edge of 100th Avenue SE.

Station Name	GPSID	USGS Quadrangle	Description
NVA103	21008KL	BORDULAC SW	BARE= gravel centerline of a field access opposite the intersection of 74th Avenue SE and the south edge of ND9.
NVA104	21008KM	VERONA NW	BARE= dirt centerline of 67th Street SE and the west edge of 106th Avenue SE.
NVA105	21008KN	FREDONIA NE	BARE= asphalt centerline of 71st Street SE and the east edge of ND56.
NVA106	21008KO	TOWNER SE	bare road surface on turn radius from 14th Avenue NE NB to 64th Street NE EB
NVA107	21008KP	ARROWWOOD LAKE	BARE= dirt centerline of 4th Street SE and the west edge of 79th Avenue SE.
NVA108	21008KQ	FULLERTON SE	BARE= dirt centerline of 96th Street SE and the east edge of 97th Avenue SE.
NVA109	21008KR	ELDRIDGE	BARE= north edge of 30th Street SE and the centerline of a dirt pull off on the north side of the road.
NVA110	21008KS	STEELE NW	BARE= asphalt centerline of 36th Street SE and the west edge of 25th Avenue SE.
NVA111	21008KT	WILLOW LAKE	BARE= dirt centerline of a drive to the east of 34th Avenue SE.
NVA112	21008KU	PINGREE SW	BARE= dirt centerline 71st Avenue SE and the south edge of 21st Street SE.
NVA113	21008KV	MAY LAKE SW	BARE= dirt eastern edge of 35th Avenue SE and the centerline of 97th Street SE.
NVA114	21008KW	STONY SLOUGH	BARE= dirt centerline of 162nd Avenue SE and the south edge of 30th Street SE
NVA115	21008KX	BREMEN	BARE= dirt centerline of 52nd Avenue NE and the north edge of 20th Street NE.
NVA116	21008KY	SCHUMACHER LAKE NE	BARE= center of a gravel pull-off on the north side of ND3.
NVA117	21008KZ	MONANGO NW	BARE= dirt centerline of 80th Avenue SE and the north edge of 86th Street SE.
NVA118	21008LA	ASHLEY WEST	BARE= dirt centerline of the access drive to Dry Lake boat ramps and the east edge of 45th Avenue SE.
NVA119	21008LB	MUNSTER	BARE= asphalt centerline of 58th Avenue NE and the south edge of 19th Street NE.
NVA120	21008LC	VERONA	BARE= dirt centerline of 75th Street SE and the west edge of 115th Avenue SE.
NVA121	21008LD	LONG LAKE NW	BARE= dirt centerline of 101st Street SE and the west edge of 55th Avenue SE.
NVA122	21008LE	MANFRED SE	BARE= dirt centerline of 7th Street NE and the west edge of 34th Avenue NE.
NVA123	21008LF	OAKES SE	BARE= dirt centerline of 112th Avenue SE and 97th Street SE.
NVA124	21008LG	KULM-EDGELEY DAM	BARE= asphalt centerline of 77th Avenue SE and the north edge of 73rd Street SE.
NVA125	21008LH	TAPPEN SOUTH	BARE= dirt centerline of 37th Avenue SE and the south edge of 38th Street SE.
NVA126	21008LI	SENIOR LAKE	BARE= dirt centerline of 4th Street SE and the west edge of 31st Avenue SE.
NVA127	21008LJ	ECKELSON SW	BARE= dirt centerline of 41st Street SE and the east side of 94th Avenue SE.
NVA128	21008LK	ELDRIDGE	BARE= centerline extended intersection of 80th Avenue SE and 37th Street SE.
NVA129	21008LL	GOLDWIN SW	BARE= centerline of a private drive to the west of 62nd Avenue SE.
NVA130	21008LM	BUCHANAN	BARE= dirt centerline of 81st Avenue SE and the south edge of 28th Street SE.
NVA131	21008LN	DEERING	center of dirt field road on west side of 21st Avenue N at 74th Street N extended
NVA132	21008LO	SYKESTON SW	BARE= dirt centerline of 8th Street SE and the east edge of 49th Avenue SE.
NVA133	21008LP	ZEELAND	BARE= asphalt centerline of a private drive to the east edge of 26th Avenue SE.
NVA134	21008LQ	KUNKEL LAKE	BARE= dirt centerline of 38th Avenue SE and the south edge of 23rd Street SE.

Station Name	GPSID	USGS Quadrangle	Description
NVA135	21008LR	ASHLEY 4 SW	BARE= dirt centerline of a private drive on the east edge of 58th Avenue SE.
NVA136	21008LS	LEHR NE	BARE= dirt centerline of the northern tip of a grass island at the intersection of 55th Avenue SE and 71st Street SE.
NVA137	21008LT	GRANVILLE SW	dirt road surface on turn radius from 59th Street EB to 14th Avenue N SB
NVA138	21008LU	STREETER FLATS	BARE= dirt centerline of 39th Avenue SE and the south edge of 59th Street SE.
NVA139	21008LV	EDGELEY JUNCTION	BARE= dirt centerline of a field access on the west edge of 81st Avenue SE.
NVA140	21008LW	CRYSTAL SPRINGS	BARE= dirt centerline of 49th Avenue SE and north edge of 33rd Street SE.
NVA141	21008LX	WISHEK NE	BARE= centerline of a dirt road to the south of 71st Street SE.
NVA142	21008LY	MELVILLE	BARE= dirt centerline of 7th Street SE and the west edge of 69th Avenue SE.
NVA143	21008LZ	ELDRIDGE NW	BARE= dirt centerline of 70th Avenue SE and north edge of 34th Street SE.
NVA144	21008MA	MELVILLE	BARE= dirt centerline of 67th Avenue SE and the north edge of 4th Street SE.
NVA145	21008MB	GACKLE NORTH	BARE= dirt centerline of 58th Avenue SE and the north edge of 47th Street SE.
NVA146	21008MC	BURNSTAD	BARE= dirt centerline of 35th Avenue SE and the south edge of 68th Street SE.
NVA147	21008MD	FULLERTON NE	BARE= dirt centerline of 85th Street SE and the east edge of 97th Avenue SE.
NVA148	21008ME	BOWDEN SE	SPARSE= centerline intersection of field tracks on the south side of 47th Avenue SE and 6th Street SE.
NVA149	21008MF	SYKESTON	BARE= dirt centerline of 50th Avenue NE and the north edge of 5th Street NE.
NVA150	21008MG	BANTRY NW	dirt road surface on EB lane of 68th Street N on west side of 5th Avenue N
NVA151	21008MH	YPSILANTI	BARE= dirt centerline of 93rd Avenue SE and the north side of 44th Street SE.
NVA152	21008MI	FULLERTON	BARE= asphalt centerline of 89th Street SE and the east edge of 94th Avenue SE.
NVA153	21008MJ	GACKLE NORTH	BARE= dirt centerline of 55th Avenue SE and the north edge of 49th Street SE.
NVA154	21008MK	LITCHVILLE SE	BARE= dirt centerline of 110th Avenue SE and the south edge of 58th Street SE.
NVA155	21008ML	LITCHVILLE	BARE= dirt centerline of 105th Avenue SE and the south edge of 52nd Street SE.
NVA156	21008MM	FREDERICK NW	BARE= dirt centerline intersection of 98th Street SE and 80th Avenue SE.
NVA157	21008MN	BOWDEN	BARE= dirt centerline of 1st Street SE and the east edge of 38th Avenue SE.
NVA158	21008MO	EDGELEY JUNCTION	BARE= northeast quadrant of the intersection of 71st Street SE and 84th Avenue SE.
NVA159	21008MP	BRADDOCK NE	BARE= intersection of 49th Street SE and 19th Avenue SE
NVA160	21008MQ	KINTYRE	BARE= dirt centerline of 55th Street SE and the west edge of 25th Avenue SE.
NVA161	21008MR	EMRICK	BARE= dirt southeast quadrant of the intersection of 14th Street NE and 46th Avenue NE.
NVA162	21008MS	KONGSBERG	bare road surface of SB lane of 10th Avenue just north of RR crossing and opposite north edge of 30th Street
NVA163	21008MT	FULLERTON SE	BARE= dirt centerline of a field track road to the north of 92nd Street SE.
NVA164	21008MU	GUYSON	BARE= dirt centerline of connector road between 78th Street SE and ND13 at the north edge of 78th Street SE.
NVA165	21008MV	EDGELEY SE	BARE= asphalt centerline of 86th Avenue SE and the south edge of 73rd Street SE.

Station Name	GPSID	USGS Quadrangle	Description
NVA166	21008MW	BANTRY NW	dirt field entrance on east side of 5th Avenue N opposite 71 Street N
NVA167	21008MX	STREETER FLATS	BARE= gravel centerline of a dead-end road and the north edge of ND34.
NVA168	21008MY	TAPPEN NE	BARE= dirt centerline of a private drive at the east edge of 46th Avenue SE and 29th Street SE.
NVA169	21008MZ	WAGON WHEEL HILL	BARE= dirt centerline of 38th Avenue SE and the north edge of 5th Street SE.
NVA170	21008NA	TAPPEN SE	BARE= dirt centerline of 41st Street SE and the west edge of 40th Avenue SE.
NVA171	21008NB	FESSENDEN SW	BARE= dirt centerline of 7th Street NE and the west edge of 40th Avenue NE.
NVA172	21008NC	LA MOURE	BARE= dirt centerline of 77th Street SE and the west edge of 98th Avenue SE.
NVA173	21008ND	BERGEN	bare road surface on SB lane of 6th Avenue N south of 45th Street N (CR 2540)
NVA174	21008NE	NEW ROCKFORD	BARE= dirt centerline of 62nd Avenue NE and 16th Street NE.
NVA175	21008NF	VERONA NE	BARE= dirt centerline of 66th Street SE and the east edge of 110th Avenue SE.
NVA176	21008NG	EDGELEY	BARE= centerline of field access on the west edge of 81st Avenue SE.
NVA177	21008NH	UPHAM	dirt road surface of 77th Street N on east side of 5th Avenue N
NVA178	21008NI	PINGREE SW	BARE= dirt centerline of 75th Avenue SE and the north edge of 24th Street SE.
NVA179	21008NJ	MAY LAKE NW	BARE= dirt centerline of 34th Avenue SE and the south edge of 88th Street SE.
NVA180	21008NK	BARLOW	BARE= dirt northwest quadrant of the intersection of 7th Street NE and 66th Avenue NE.
NVA181	21008NL	SENIOR LAKE	BARE= asphalt centerline of 3rd Street SE and the east edge of ND3.
NVA182	21008NM	NEW ROCKFORD SE	BARE= dirt centerline of 71st Avenue NE and the north edge of 8th Street NE.
NVA183	21008NN	MARION	BARE= dirt centerline of 103rd Avenue SE and the south edge of 61st Street SE.
NVA184	21008NO	NEW ROCKFORD	BARE= dirt centerline of a drive on the south edge of 5th Avenue N.
NVA185	21008NP	NORTONVILLE	BARE= dirt centerline of 62nd Street SE and the east edge of 84th Avenue SE.
NVA186	21008NQ	PINGREE	BARE= dirt centerline of 75th Avenue SE and the west edge of 18th Street SE.
NVA187	21008NR	JUD	BARE= centerline of a field access on the east edge of 68th Avenue SE.
NVA188	21008NS	MANFRED SW	BARE= dirt centerline of 26th Avenue NE and the north edge of 7th Street NE.
NVA189	21008NT	MERRICOURT NW	BARE= dirt centerline of the drive to the Foxtail Wind Farm 1-5 on the west edge of 70th Avenue SE.
NVA190	21008NU	MCKENNA LAKE SOUTH	BARE= dirt centerline of 64th Street SE and the west edge of 31st Avenue SE.
NVA191	21008NV	WAGON WHEEL HILL	BARE= gravel centerline of 6th Street SE and the east edge of 41st Avenue SE.
NVA192	21008NW	JIM LAKE	BARE= dirt centerline of 16th Street SE and east edge of 82nd Avenue SE.
NVA193	21008NX	BARLOW	BARE= dirt centerline of 64th Avenue NE and the south edge of 11th Street NE.
NVA194	21008NY	ASHLEY 4 NW	BARE= dirt centerline of 60th Avenue SE and the south edge of 89th Street SE.
NVA195	21008NZ	SCHELL BUTTES	BARE= dirt centerline of 75th Street SE and east edge of 26th Avenue SE.
NVA196	21008OA	CARRINGTON WEST	BARE= gravel centerline of 16th Avenue S and the north edge of 4th Street S.
NVA197	21008OB	ASHLEY WEST	BARE= gravel centerline of a field access on the east edge of 48th Avenue SE.
NVA198	21008OC	TAPPEN NORTH	BARE= dirt centerline of 32nd Street SE and west edge of 39th Avenue SE.

Station Name	GPSID	USGS Quadrangle	Description
NVA199	21008OD	MAY LAKE	BARE= dirt centerline of 86th Street SE and the west edge of 39th Avenue SE.
NVA200	21008OE	WILLOW CITY SW	dirt road surface in EB lane of 82nd Street NE just east of 4th Avenue NE
NVA201	21008OF	MONANGO SW	BARE= dirt centerline of 80th Avenue SE and the south edge of 94th Street SE.
NVA202	21008OG	GRACE CITY	BARE= dirt centerline of 79th Avenue NE and the north edge of 11th Street NE.
NVA203	21008OH	TOWNER NE	center of dirt field entrance road opposite 12th Avenue NE on south side of 71st Street NE
NVA204	21008OI	LEHR	SPARSE= centerline of a field access on the west edge of 54th Avenue SE.
NVA205	21008OJ	PETTIBONE	BARE= dirt centerline of 25th Street SE and the east edge of 44th Avenue SE.
NVA206	21008OK	KONGSBERG NE	bare road surface in center of 32nd Street N at east edge of 11th Avenue N
NVA207	21008OL	GRANVILLE	center of field entrance on west side of 12th Street N opposite 62nd Street N
NVA208	21008OM	MEDINA	BARE= asphalt centerline of dirt road to the north side of 37th Street SE.
NVA209	21008ON	ASHLEY 4 SW	BARE= centerline of 92nd Street SE and the west edge of 55th Avenue SE.
NVA210	21008OO	CARRINGTON SW	BARE= dirt centerline of 59th Avenue SE and the north edge of 10th Street SE.
NVA211	21008OP	MCKENNA LAKE SOUTH	BARE= dirt centerline of 68th Street SE and the west edge of 26th Avenue SE.
NVA212	21008OQ	COLDWATER LAKE	BARE= dirt centerline of a drive to a substation on the north side of Highway 11.
NVA213	21008OR	SPIRITWOOD LAKE	BARE= dirt centerline of 89 1/2 Avenue SE and south edge of 22nd Street SE.
NVA214	21008OS	BERGEN	sparse grass on field entrance on west side of 2nd Avenue N opposite 43rd Street N
NVA215	21008OT	LONG LAKE NW	BARE= dirt centerline of 99th Street SE and the east edge of 58th Avenue SE.
NVA216	21008OU	PEARL LAKE	BARE= dirt centerline of 26th Street SE and the west edge of 56 Avenue SE.
NVA217	21008OV	MARION NE	BARE= asphalt centerline of 51st Street SE and the east edge of 101st Avenue SE.
NVA218	21008OW	NEWBURG SW	dirt road surface of 78th Street N (field road) at east edge of 19th Avenue N
NVA219	21008OX	MAY LAKE	BARE= dirt centerline of 83rd Street SE and the east edge of 41st Avenue SE.
NVA220	21008OY	ELDRIDGE SE	BARE= dirt centerline of 80th Avenue SE and the north edge of 41st Street SE.
VVA001	21008OZ	MELVILLE	GRASS= southeast of the intersection of 9th Street SE and 65th Avenue SE.
VVA002	21008PA	SILVERLEAF	GRASS= field on the east side of 92nd Avenue SE.
VVA003	21008PB	FESSENDEN SW	GRASS= southwest corner of a field on the east side of 39th Avenue NE.
VVA004	21008PC	MEDINA SE	GRASS= field on the east side of 57th Avenue SE and north from 43rd Street SE.
VVA005	21008PD	BRANTFORD NW	GRASS= south side of 15th Street NE and east of 73rd Avenue NE.
VVA006	21008PE	ASHLEY 4 SW	GRASS= east shoulder of 58th Avenue SE.
VVA007	21008PF	CLEVELAND NW	BRUSH= center of a brush island at the intersection of 61st Avenue SE and 30th Street SE.
VVA008	21008PG	KULM	GRASS= west shoulder of 72nd Avenue SE and south of a field access.
VVA009	21008PH	WILLOW LAKE	GRASS= east shoulder of 31st Avenue SE and north from 10th Street SE.
VVA010	21008PI	HAMBERG	GRASS= west side of 47th Avenue NE and north of a railroad track.
VVA011	21008PJ	KUNKEL LAKE	BRUSH= north shoulder of 27th Street SE and just east from a field access.

Station Name	GPSID	USGS Quadrangle	Description
VVA012	21008PK	COURTENAY NW	BUSH= north side of 16th Street SE and west of 85th Avenue SE.
VVA013	21008PL	DICKEY	GRASS= field on the west side of 60th Street SE and south of a drive to the west.
VVA014	21008PM	FULLERTON SE	GRASS= field on the east side of 100th Avenue SE and south of a parking area.
VVA015	21008PN	WISHEK	GRAS= island at the intersection of 73rd Street SE and 43rd Avenue SE.
VVA016	21008PO	NORTONVILLE	GRASS= field on the west side of US281.
VVA017	21008PP	SCHUMACHER LAKE NE	GRASS= west side of 51st Avenue SE and south of a drive
VVA018	21008PQ	WILLOW LAKE	GRASS= north side of 10th Street SE
VVA019	21008PR	GACKLE NORTH	GRASS= east side of 63rd Avenue SE and on the south side of a filed access.
VVA020	21008PS	TAPPEN SE	BRUSH= east shoulder of 40th Avenue SE and on the south side of a private drive to the east.
VVA021	21008PT	TAPPEN NE	BRUSH= west side of 45th Avenue SE.
VVA022	21008PU	HOMER	BRUSH= south side of 44th Street SE and northeast from a fenced in tree area.
VVA023	21008PV	FESSENDEN SW	GRASS= centerline of a field access on the east side of US52.
VVA024	21008PW	ASHLEY WEST	GRASS= center of a field access on the east side of 44th Avenue SE.
VVA025F	21008PX	MILLARTON	WOODS= east side of 81st Avenue SE.
VVA026	21008PY	NEW ROCKFORD	GRASS= center of an island at an intersection of dirt roads.
VVA027	21008PZ	PURSIAN LAKE	BRUSH= field on the west side of 25th Avenue SE.
VVA028	21008QA	RUSO	high weeds on east side of 14th Avenue NW and south side of RR tracks
VVA029	21008QB	NEWBURG SW	high grass in SW quadrant of intersection of 78th Street N and 16th Avenue N (field road)
VVA030	21008QC	WOODWORTH	BRUSH= south side of 16th Street SE
VVA031	21008QD	NEW ROCKFORD SE	GRASS= field on the north side of 10th Street NE and a field access.
VVA032	21008QE	STREETER FLATS	GRASS= field on the west side of 40th Avenue SE.
VVA033	21008QF	CRYSTAL SPRINGS	BRUSH= east side of 50th Avenue SE and north of a field track.
VVA034	21008QG	VERONA	GRASS= east of ND1 and south of a new field access.
VVA035	21008QH	TAPPEN NE	BRUSH= cattails on the east shoulder along 45th Avenue SE.
VVA036	21008QI	SIMCOE	high weeds in SW quadrant of intersection of 52nd Street N and 13th Avenue N
VVA037	21008QJ	FESSENDEN WEST	GRASS= field on the north side of 17th Street NE and west from a drive to the north.
VVA038	21008QK	OAKES SE	GRASS= south side of 89th Street SE and to the west of 113th Avenue SE.
VVA039	21008QL	BUCHANAN	BRUSH= field on the north side of 21st Street SE and east of a field track to the north.
VVA040	21008QM	LA MOURE SW	GRASS= area between 2 fields and on the east side of 96th Avenue SE.
VVA041	21008QN	VASHTI	GRASS= northeast of the intersection of 12th Street SE and 67th Avenue SE.
VVA042	21008QO	MERRICOURT SE	GRASS= west side of 77th Avenue SE and south of a field track to the west.
VVA043	21008QP	FREDERICK NW	GRASS= north side of 101st Street SE and to the west of 80th Avenue SE.
VVA044	21008QQ	LITCHVILLE SW	GRASS= west side of 104th Avenue SE.
VVA045	21008QR	WOODWORTH	BRUSH= south side of 19th Street SE
VVA046	21008QS	NORTONVILLE	GRASS= southwest of the intersection of 57th Street SE and 83rd Avenue SE.
VVA047	21008QT	TAPPEN NE	BRUSH= south shoulder of 30th Street SE and on the west side of a pasture access.
VVA048	21008QU	WISHEK NE	GRASS= east side of 40th Avenue SE and the west side of a grass field and fence.

Station Name	GPSID	USGS Quadrangle	Description
VVA049	21008QV	STONY SLOUGH	BRUSH= east side of 21st Avenue SE and south from 29th Street SE
VVA050	21008QW	CATHAY SE	GRASS= south side of 11th Street NE and west of 58th Avenue NE.
VVA051	21008QX	SPIRITWOOD LAKE	BRUSH= north side of 25th Street SE.
VVA052F	21008QY	ELLENDALE NORTH	WOODS= tree line on the east side of 90th Avenue SE.
VVA053	21008QZ	FRIED	BRUSH= south side of 25th Street SE and east of 85th Avenue SE
VVA054	21008RA	BUCHANAN	BRUSH on the east side of 81st Avenue SE and south of a private drive to the east.
VVA055	21008RB	STREETER NW	GRASS= west shoulder of 51st Avenue SE.
VVA056F	21008RC	NEW ROCKFORD	WOODS= tree line on the south side of 15th Street NE and east of 63rd Avenue NE.
VVA057	21008RD	ADRIAN	BRUSH= field on the west side of 88th Avenue SE.
VVA058	21008RE	MAY LAKE SE	GRASS= field on the south side of 92nd Street SE and the west side of 41st Avenue SE.
VVA059	21008RF	WRITING ROCK SOUTH	BARE= grass on the south side of 86th Street SE and the northeast corner of a field.
VVA060	21008RG	KULM-EDGELEY DAM	GRASS= field on the north side of 77th Street SE and south of a railroad track.
VVA061	21008RH	SYKESTON SW	GRASS= south side of 5th Street SE.
VVA062	21008RI	GUELPH	GRASS= area on the east side of 107th Avenue SE and on the north end of a cultivated field.
VVA063	21008RJ	ELLENDALE SOUTH	GRASS= north side of 100th Street SE and at an antenna site.
VVA064	21008RK	KUNKEL LAKE	BRUSH= east side of 36th Avenue SE and opposite a field track to the west.
VVA065	21008RL	MCKENNA LAKE SOUTH	GRASS= west shoulder of 26th Avenue SE and south of a field access.
VVA066	21008RM	GOLDWIN SE	BRUSH= field on the west side of 65th Avenue SE
VVA067	21008RN	STREETER NW	GRASS= south shoulder of 48th Street SE and opposite a field track to the north.
VVA068	21008RO	HOMER	GRASS= area on the south side of 39th Street SE.
VVA069	21008RP	GACKLE NORTH	GRASS= north side of 47th Street SE.
VVA070	21008RQ	MARION	GRASS= field on the south side of 56th Street SE and east of 99th Avenue SE, on the north side of the City of Marion Burn Site.
VVA071	21008RR	LONG LAKE NE	GRASS= field on the south side of 100th Street SE and on the north side of a wind farm.
VVA072	21008RS	WOODHOUSE LAKE	GRASS= south side of 9th Street SE and north of a fence.
VVA073F	21008RT	DAWSON	WOODS= tree line wind break around house on the east side of 28th Avenue SE.
VVA074	21008RU	PEARL LAKE	BRUSH= east side of 56th Avenue SE and south of 23rd Street SE.
VVA075	21008RV	MONANGO NW	GRASS= field on the south side of 87th Street SE and west from a field access.
VVA076	21008RW	ASHLEY NE	GRASS= north side of 81st Street SE.
VVA077	21008RX	SENIOR LAKE	GRASS= west shoulder of ND3 and south of a pasture access.
VVA078	21008RY	ALFRED	GRASS= north side of 61st Street SE and a field access.
VVA079	21008RZ	FREDONIA NE	GRASS= northwest corner of a field on the south side of drive to the east and the east side of 67th Avenue SE.
VVA080	21008SA	VENTURA	GRASS= east of 42nd Avenue SE and north of 102nd Street SE extended.
VVA081	21008SB	RIGA	high grass in ditch on south side of 59th Street N just east of 7th Avenue N to the north
VVA082	21008SC	STREETER FLATS	GRASS= field on the west side of 40th Avenue SE and south from 55th Street SE.
VVA083	21008SD	INDEPENDENCE	GRASS= field on the east side of 109th Avenue SE and north of 78th Street SE.
VVA084	21008SE	GRANVILLE SW	high grass on south side of 66th Street N opposite 17th Avenue N to the north

Station Name	GPSID	USGS Quadrangle	Description
VVA085	21008SF	VERONA NW	GRASS= south side of 68th Street SE and west from a field access.
VVA086	21008SG	ADRIAN	GRASS= west shoulder of 89th Avenue SE.
VVA087	21008SH	BARLOW	GRASS= field on the north side of 10th Street NE
VVA088	21008SI	MARION	BRUSH= field on the west side of 102nd Avenue SE.
VVA089	21008SJ	FREDONIA NW	GRASS= northeast corner of a field at the southwest quadrant of the intersection of 67th Street SE and 59th Avenue SE.
VVA090	21008SK	MANFRED SE	GRASS= north side of 8th Street NE and a field access.
VVA091	21008SL	TUTTLE	BRUSH= field on the north side of ND36 and a field access
VVA092	21008SM	HEIMDAL	GRASS= southwest of the intersection of 41st Avenue NE and 24th Street NE.
VVA093	21008SN	TAPPEN NE	BRUSH= south side of 32nd Street SE and west side of a pond.
VVA094	21008SO	RANGELEY	high grass in roadside ditch on east side of ND 14 just south of field entrance (47th Street NE)
VVA095	21008SP	LEHR NW	GRASS= field on the south side of 67th Street SE and east from 49th Avenue SE.
VVA096	21008SQ	HEATON	BRUSH= east side of 46th Avenue NE and south side of 4th Street NE.
VVA097	21008SR	BREMEN	GRASS= on the west side of 51st Avenue NE and a field access.
VVA098	21008SS	ELLEDALE SOUTH	BRUSH= west side of 86th Avenue SE.
VVA099	21008ST	MEDBERRY	GRASS= east side of 86th Avenue SE and south of 66th Street SE.
VVA100	21008SU	BOWDEN	GRASS= southwest corner of a field on the east side of 38th Avenue SE and north side of a track road to the east.
VVA101	21008SV	MANFRED	GRASS= field on the north side of the railroad tracks and east of a field track and south of 21st Street NE.
VVA102	21008SW	NEW ROCKFORD SE	GRASS= east side of US281 and north of 13th Street NE.
VVA103	21008SX	DOVER	GRASS= northeast of the intersection of 5th Street NE and 57th Avenue NE.
VVA104	21008SY	EDGELEY JUNCTION	BRUSH= field on the north side of 67th Street SE.
VVA105	21008SZ	NEW ROCKFORD SE	GRASS= south side of 7th Street NE and north of valve site BV-783.
VVA106	21008TA	LA MOURE	GRASS= north side of 80th Street SE and west of 101st Avenue SE.
VVA107	21008TB	ALKALINE LAKE NW	BRUSH= north shoulder of 53rd Street SE and west from 38th Avenue SE.
VVA108	21008TC	JUD NW	GRASS= field on the east side of 75th Avenue SE and north of a field track road.
VVA109	21008TD	WAGON WHEEL HILL	GRASS= north shoulder of 8th Street SE and on the south side of a gravel pit.
VVA110	21008TE	GACKLE NORTH	GRASS= west side of 59th Avenue SE and just south from a drive to the west.
VVA111	21008TF	VERONA	GRASS= field on the north side of 74 1/2 Street SE.
VVA112	21008TG	TAPPEN NORTH	BRUSH= northwest quadrant of 30th Street SE and 35th Avenue SE. Inside corner.
VVA113	21008TH	TUTTLE	GRASS= west shoulder of 28th Avenue SE
VVA114	21008TI	LITCHVILLE SE	GRASS= north shoulder of 57th Street SE and northwest from 110th Avenue SE.
VVA115	21008TJ	VENTURA	GRASS= east side of 37th Avenue SE and north of a field track to the east.
VVA116	21008TK	ELDRIDGE SW	BRUSH= west side of 73rd Avenue SE and north of 42nd Street SE.
VVA117	21008TL	HOMER	GRASS= field on the southeast of the intersection of 40th Street SE and 87th Avenue SE.
VVA118	21008TM	HORSEHEAD LAKE	BRUSH= east side of 32nd Avenue SE and north of 24th Street SE.

Station Name	GPSID	USGS Quadrangle	Description
VVA119	21008TN	ASHLEY 4 NW	GRASS= west shoulder of Federal Aid Road and south of 83rd Street SE.
VVA120	21008TO	ALKALINE LAKE NW	BRUSH= field northwest of the intersection of 48th Street SE and 35th Avenue SE
VVA121	21008TP	MARION NW	GRASS= south shoulder of SD46 and east from a field access.
VVA122	21008TQ	ALKALINE LAKE	BRUSH= field on the east side of 44th Avenue SE and north of 48th Street SE.
VVA123	21008TR	ELDRIDGE SE	BRUSH= west side of 77th Avenue SE and on the south side of a corn field.
VVA124	21008TS	STEELE NW	BRUSH= high grass on the west shoulder of 25th Avenue SE and south side of a field access.
VVA125	21008TT	KINTYRE NE	BRUSH= field on the south side of 50th Street SE and on the west side of a drive to the south.
VVA126	21008TU	MAY LAKE	GRASS= southwest corner of a field on the east side of 41st Avenue SE and north side of a track road.
VVA127	21008TV	WILLOW LAKE	GRASS= north side of 11th Street SE and south of a pond.
VVA128	21008TW	CATHAY SE	GRASS= southwest of the intersection of 7th Street NE and 60th Avenue NE.
VVA129	21008TX	MAY LAKE	GRASS+ area on the west side of 42nd Avenue SE and north side of 84th Street.
VVA130F	21008TY	CRYSTAL SPRINGS	WOODS= small group of trees on the west of the intersection of 30th Street and a track road to the north.
VVA131	21008TZ	LEHR SW	GRASS= southwest corner of a field on the east side of 46th Avenue SE and north of a field track road.
VVA132	21008UA	UPHAM SE	high weeds on south side of 82nd Street NE just east of 3rd Avenue NE
VVA133	21008UB	JAMESTOWN	BRUSH= field on the north side of Louis Lamour Lane and west of an access track.
VVA134	21008UC	BORDULAC	BRUSH= south side of Main Street SE and east of 74th Avenue SE.
VVA135	21008UD	DAWSON	BRUSH= field on the west side of 31st Street SE.
VVA136	21008UE	BOWDEN SE	GRASS= north shoulder of 9th Street SE and the east side of a pasture access.
VVA137	21008UF	BUCHANAN	BRUSH= field on the east side of 79th Avenue SE and north of 27th Street SE.
VVA138	21008UG	ROBINSON	BRUSH= west side of 34th Avenue SE and south of 16th Street SE
VVA139	21008UH	LITCHVILLE SW	GRASS= west side of 107th Avenue SE and north of 60th Street SE.
VVA140	21008UI	STREETER SE	GRASS= east side of ND30 and the north side of a field access.
VVA141	21008UJ	UPHAM	high weeds on west side of 2nd Avenue N and NE of ND14
VVA142	21008UK	GOLDWIN SW	BRUSH= east side of 62nd Avenue SE and south of a field access.
VVA143	21008UL	PINGREE	BRUSH= southeast quadrant of the intersection of 71st Avenue SE and 18th Street SE.
VVA144	21008UM	WOODWORTH NW	BRUSH= west side of 52nd Avenue SE
VVA145	21008UN	SAVO NE	GRASS= area on the west side of 99th Avenue SE and between 2 cultivated fields.
VVA146	21008UO	WAGON WHEEL HILL	GRASS= on the north side of 5th Street SE and just to the west of a drive to the south.
VVA147	21008UP	KONGSBERG NE	high weeds at SW corner of field on east side of 11th Avenue N and north side of 37th Street N (field road)
VVA148	21008UQ	MERRICOURT	BRUSH= field on the east side of 77th Avenue SE and north of a field access.
VVA149	21008UR	FESSENDEN WEST	GRASS= center of a grass island at the intersection of US52 and ND15.
VVA150	21008US	LAKE WILLIAMS	BRUSH= east side of 46th Avenue SE and opposite 18th Street SE.
VVA151	21008UT	ELLELENDALE NORTH	BRUSH= field on the northeast of the intersection of 85th Avenue SE and 96th Street SE.

Station Name	GPSID	USGS Quadrangle	Description
VVA152	21008UU	MEDINA SE	GRASS= west side of 55th Avenue SE.
VVA153	21008UV	ASHLEY EAST	GRASS= north side of Highway 11 SE and east side of 50 Avenue SE.
VVA154	21008UW	ARROWWOOD LAKE	GRASS= north side of ND9 and south of a railroad track and west side of 6th Street SE.
VVA155	21008UX	ADRIAN	GRASS= north shoulder of 61st Street SE.

The stations were not permanently marked.

METHODOLOGY

The field survey was done by using Trimble R10 multi-frequency, multi-constellation GNSS receivers in a real time (RTK/VRS) mode. Corrections were obtained from the Trimble VRSNow VRS network with corrections delivered over the cellular network. These corrections are applied in real time and used by the rover receivers to converge to a cm level solution. Each station was occupied once for 2 to 3 minutes (120 to 180 epochs), then re-initialized and occupied a second time immediately after the first occupation. The solutions are stored as vectors from the nearest physical CORS. Table 3 summarizes the VRS/RTK occupations (precisions in meters):

Table 3 – VRS/RTK Occupation Summary

GPSID	UTC Start	UTC End	Horz Prec	Vert Prec	# of SV's	PDOP
21008EV	03/16/2021 18:41:55	18:43:54	0.008	0.009	14	1.4
21008EV	03/16/2021 18:46:04	18:48:03	0.016	0.023	9	4.2
21008KS	03/16/2021 19:09:36	19:11:36	0.008	0.009	16	1.3
21008KS	03/16/2021 19:15:06	19:17:05	0.008	0.009	15	1.5
21008TS	03/16/2021 19:22:56	19:24:55	0.008	0.009	15	1.3
21008TS	03/16/2021 19:26:32	19:28:32	0.007	0.009	16	1.3
21008BY	03/16/2021 19:50:19	19:52:18	0.008	0.012	16	1.4
21008BY	03/16/2021 19:52:55	19:54:54	0.009	0.013	16	1.4
21008TG	03/16/2021 20:04:08	20:06:07	0.010	0.016	15	1.5
21008TG	03/16/2021 20:06:56	20:08:55	0.009	0.015	16	1.3
21008PJ	03/16/2021 20:21:07	20:23:06	0.009	0.014	16	1.3
21008PJ	03/16/2021 20:23:54	20:25:53	0.010	0.016	15	1.4
21008OC	03/16/2021 20:36:41	20:38:40	0.009	0.012	16	1.3
21008OC	03/16/2021 20:40:26	20:42:25	0.007	0.010	16	1.3
21008JZ	03/16/2021 21:01:02	21:03:01	0.009	0.012	15	1.3
21008JZ	03/16/2021 21:03:24	21:05:23	0.009	0.011	15	1.3
21008QT	03/16/2021 21:23:34	21:25:33	0.010	0.011	15	1.4
21008QT	03/16/2021 21:27:53	21:29:52	0.009	0.011	15	1.4
21008QH	03/16/2021 21:38:29	21:40:28	0.011	0.012	16	1.2
21008QH	03/16/2021 21:41:53	21:43:52	0.009	0.010	16	1.2
21008MY	03/16/2021 21:53:07	21:55:06	0.009	0.012	15	1.2
21008MY	03/16/2021 21:56:49	21:58:49	0.008	0.010	14	1.3
21008SN	03/16/2021 22:11:01	22:13:00	0.009	0.012	13	1.5
21008SN	03/16/2021 22:14:16	22:16:15	0.011	0.015	13	1.5
21008PT	03/16/2021 22:28:17	22:30:16	0.010	0.014	14	1.3
21008PT	03/16/2021 22:32:08	22:34:08	0.010	0.014	14	1.3
21008LW	03/16/2021 22:45:35	22:47:34	0.008	0.010	16	1.2
21008LW	03/16/2021 22:48:00	22:49:59	0.008	0.010	15	1.2
21008QF	03/16/2021 22:59:31	23:01:30	0.009	0.012	15	1.3
21008QF	03/16/2021 23:03:05	23:05:04	0.010	0.012	14	1.4
21008OM	03/16/2021 23:24:38	23:26:37	0.007	0.009	15	1.3
21008OM	03/16/2021 23:26:58	23:28:57	0.007	0.009	15	1.4
21008IC	03/16/2021 23:47:43	23:49:42	0.007	0.010	14	1.5
21008IC	03/16/2021 23:52:38	23:54:38	0.009	0.011	14	1.5

GPSID	UTC Start	UTC End	Horz Prec	Vert Prec	# of SV's	PDOP
21008UB	03/17/2021 12:49:43	12:51:42	0.006	0.007	13	1.5
21008UB	03/17/2021 12:52:46	12:54:45	0.006	0.008	13	1.5
21008GB	03/17/2021 13:09:32	13:11:31	0.006	0.009	12	1.7
21008GB	03/17/2021 13:13:07	13:15:06	0.006	0.010	12	1.7
21008JL	03/17/2021 13:33:12	13:35:12	0.019	0.040	11	2.0
21008JL	03/17/2021 13:37:50	13:39:50	0.013	0.025	10	2.4
21008CB	03/17/2021 13:52:00	13:53:59	0.011	0.020	11	1.7
21008CB	03/17/2021 13:58:20	14:00:19	0.010	0.019	11	1.6
21008DW	03/17/2021 14:18:14	14:20:14	0.010	0.018	10	2.0
21008DW	03/17/2021 14:20:58	14:22:57	0.010	0.017	10	2.0
21008JE	03/17/2021 14:28:48	14:30:47	0.010	0.017	11	1.5
21008JE	03/17/2021 14:31:54	14:33:53	0.011	0.017	11	1.5
21008QX	03/17/2021 14:43:16	14:45:15	0.010	0.013	12	1.4
21008QX	03/17/2021 14:47:56	14:49:55	0.011	0.013	11	1.6
21008HX	03/17/2021 14:56:53	14:58:53	0.012	0.014	13	1.3
21008HX	03/17/2021 15:00:03	15:02:02	0.011	0.013	13	1.3
21008OR	03/17/2021 15:11:31	15:13:30	0.011	0.012	11	1.5
21008OR	03/17/2021 15:15:00	15:16:59	0.011	0.014	12	1.4
21008EP	03/17/2021 15:23:46	15:25:45	0.012	0.015	12	1.5
21008EP	03/17/2021 15:28:16	15:30:15	0.013	0.016	11	1.8
21008EQ	03/17/2021 15:42:32	15:44:31	0.013	0.018	11	1.9
21008EQ	03/17/2021 15:45:31	15:47:31	0.013	0.018	11	1.9
21008GY	03/17/2021 15:58:16	16:00:15	0.016	0.023	11	1.9
21008GY	03/17/2021 16:00:56	16:02:55	0.013	0.019	10	2.1
21008GA	03/17/2021 16:15:15	16:17:14	0.012	0.022	12	2.0
21008GA	03/17/2021 16:18:48	16:20:47	0.014	0.025	13	1.8
21008BH	03/17/2021 16:29:05	16:31:25	0.012	0.022	13	1.9
21008BH	03/17/2021 16:33:37	16:35:36	0.011	0.021	13	1.4
21008PK	03/17/2021 16:53:50	16:55:50	0.012	0.020	12	1.8
21008PK	03/17/2021 16:56:16	16:58:15	0.012	0.020	12	1.8
21008NW	03/17/2021 17:07:44	17:09:43	0.010	0.019	12	1.9
21008NW	03/17/2021 17:11:46	17:13:45	0.011	0.019	13	1.8
21008BP	03/17/2021 17:26:31	17:28:30	0.012	0.023	13	1.8
21008BP	03/17/2021 17:29:37	17:31:36	0.011	0.019	13	1.8
21008NQ	03/17/2021 17:39:51	17:41:51	0.012	0.020	14	1.5
21008NQ	03/17/2021 17:43:01	17:45:00	0.011	0.018	14	1.5
21008BO	03/17/2021 17:53:42	17:55:41	0.013	0.019	14	1.5
21008BO	03/17/2021 17:56:11	17:58:10	0.014	0.021	14	1.5
21008JT	03/17/2021 18:06:10	18:08:09	0.012	0.018	12	1.9
21008JT	03/17/2021 18:09:15	18:11:14	0.016	0.023	12	1.9
21008UL	03/17/2021 18:25:02	18:27:01	0.012	0.017	14	1.5
21008UL	03/17/2021 18:28:19	18:30:18	0.017	0.022	14	1.5
21008KU	03/17/2021 18:38:56	18:41:01	0.014	0.019	13	1.7
21008KU	03/17/2021 18:43:21	18:45:21	0.017	0.019	12	1.8
21008JY	03/17/2021 18:59:11	19:01:10	0.013	0.015	14	1.6
21008JY	03/17/2021 19:01:35	19:03:34	0.013	0.017	15	1.4
21008NI	03/17/2021 19:13:20	19:15:26	0.015	0.019	13	1.8
21008NI	03/17/2021 19:16:51	19:18:50	0.013	0.015	13	1.9
21008BQ	03/17/2021 19:25:12	19:27:11	0.013	0.017	13	1.9
21008BQ	03/17/2021 19:27:49	19:29:48	0.014	0.016	13	1.9
21008RA	03/17/2021 19:38:27	19:40:26	0.013	0.016	11	2.4
21008RA	03/17/2021 19:41:07	19:43:06	0.011	0.014	12	1.9
21008DV	03/17/2021 19:47:15	19:49:14	0.010	0.013	13	1.8
21008DV	03/17/2021 19:50:02	19:52:01	0.010	0.014	12	1.9
21008QL	03/17/2021 20:00:38	20:02:38	0.012	0.016	12	2.0
21008QL	03/17/2021 20:03:17	20:05:17	0.011	0.015	13	1.7
21008QZ	03/17/2021 20:20:18	20:22:18	0.010	0.017	12	1.8
21008QZ	03/17/2021 20:22:58	20:24:57	0.010	0.016	12	1.7
21008LM	03/17/2021 20:42:07	20:44:07	0.010	0.015	11	2.2
21008LM	03/17/2021 20:44:36	20:46:35	0.010	0.015	12	1.8
21008UF	03/17/2021 20:56:18	20:58:17	0.009	0.012	13	1.6
21008UF	03/17/2021 20:59:05	21:01:06	0.011	0.015	13	1.6
21008KR	03/17/2021 21:09:58	21:11:57	0.011	0.014	13	1.6
21008KR	03/17/2021 21:13:29	21:15:28	0.010	0.013	13	1.5

GPSID	UTC Start	UTC End	Horz Prec	Vert Prec	# of SV's	PDOP
21008LK	03/17/2021 21:31:34	21:33:33	0.008	0.011	13	1.5
21008LK	03/17/2021 21:36:24	21:38:23	0.007	0.009	13	1.4
21008EU	03/17/2021 21:50:37	21:52:36	0.009	0.011	13	1.5
21008EU	03/17/2021 21:54:20	21:56:19	0.009	0.012	13	1.5
21008IW	03/17/2021 22:08:33	22:10:32	0.010	0.014	11	2.1
21008IW	03/17/2021 22:12:10	22:14:09	0.011	0.017	12	1.8
21008TK	03/17/2021 22:23:19	22:25:18	0.010	0.015	13	1.5
21008TK	03/17/2021 22:25:50	22:27:49	0.011	0.017	13	1.5
21008BR	03/17/2021 22:44:27	22:46:26	0.009	0.014	13	1.5
21008BR	03/17/2021 22:47:04	22:49:03	0.010	0.016	14	1.4
21008TR	03/17/2021 22:57:52	22:59:51	0.011	0.014	14	1.5
21008TR	03/17/2021 23:00:29	23:02:29	0.012	0.015	14	1.5
21008KE	03/17/2021 23:09:50	23:11:49	0.009	0.012	13	1.7
21008KE	03/17/2021 23:12:11	23:14:11	0.009	0.013	14	1.5
21008PU	03/17/2021 23:23:07	23:25:08	0.010	0.014	14	1.5
21008PU	03/17/2021 23:28:13	23:30:12	0.008	0.012	14	1.5
21008LZ	03/18/2021 12:59:06	13:01:05	0.011	0.013	12	1.4
21008LZ	03/18/2021 13:04:49	13:06:48	0.009	0.013	11	1.6
21008HU	03/18/2021 13:18:39	13:20:38	0.009	0.014	13	1.4
21008HU	03/18/2021 13:22:23	13:24:22	0.011	0.016	12	1.6
21008CA	03/18/2021 13:31:30	13:33:29	0.010	0.019	10	2.5
21008CA	03/18/2021 13:33:50	13:35:50	0.011	0.019	10	2.5
21008IX	03/18/2021 13:55:01	13:57:00	0.008	0.019	11	1.8
21008IX	03/18/2021 13:59:54	14:01:53	0.009	0.017	12	1.6
21008GX	03/18/2021 14:09:57	14:12:02	0.011	0.021	11	2.0
21008GX	03/18/2021 14:15:54	14:17:53	0.007	0.014	11	2.0
21008PF	03/18/2021 14:22:20	14:24:20	0.010	0.015	12	1.6
21008PF	03/18/2021 14:25:19	14:27:19	0.008	0.015	12	1.6
21008IB	03/18/2021 14:42:13	14:44:13	0.009	0.012	13	1.3
21008IB	03/18/2021 14:45:04	14:47:03	0.010	0.012	13	1.3
21008IN	03/18/2021 14:54:41	14:56:40	0.008	0.010	13	1.4
21008IN	03/18/2021 14:57:23	14:59:22	0.010	0.011	13	1.4
21008LL	03/18/2021 15:15:11	15:17:10	0.011	0.013	13	1.4
21008LL	03/18/2021 15:17:47	15:19:46	0.013	0.015	12	1.4
21008DL	03/18/2021 15:28:55	15:30:54	0.014	0.018	12	1.5
21008DL	03/18/2021 15:31:42	15:33:41	0.015	0.018	12	1.5
21008RM	03/18/2021 15:38:02	15:40:01	0.015	0.020	12	1.6
21008RM	03/18/2021 15:41:19	15:43:18	0.013	0.017	12	1.6
21008UK	03/18/2021 15:53:01	15:55:00	0.013	0.021	13	1.5
21008UK	03/18/2021 15:55:53	15:57:52	0.014	0.023	13	1.4
21008QR	03/18/2021 16:14:24	16:16:23	0.011	0.018	13	1.7
21008QR	03/18/2021 16:18:43	16:20:42	0.012	0.019	14	1.7
21008BN	03/18/2021 16:35:46	16:37:46	0.011	0.018	15	1.4
21008BN	03/18/2021 16:38:26	16:40:25	0.012	0.020	16	1.3
21008QC	03/18/2021 16:50:25	16:52:25	0.011	0.018	15	1.5
21008QC	03/18/2021 16:53:27	16:55:27	0.011	0.020	15	1.5
21008UM	03/18/2021 17:04:19	17:06:18	0.011	0.018	15	1.5
21008UM	03/18/2021 17:07:13	17:09:12	0.012	0.020	15	1.5
21008RU	03/18/2021 17:26:04	17:28:04	0.010	0.015	14	1.5
21008RU	03/18/2021 17:29:27	17:31:26	0.010	0.016	14	1.5
21008OU	03/18/2021 17:42:31	17:44:31	0.010	0.014	16	1.3
21008OU	03/18/2021 17:46:36	17:48:35	0.009	0.012	16	1.3
21008BZ	03/18/2021 18:13:54	18:15:53	0.010	0.014	15	1.4
21008BZ	03/18/2021 18:16:10	18:18:09	0.010	0.013	15	1.4
21008TY	03/18/2021 18:19:59	18:21:58	0.010	0.014	16	1.2
21008TY	03/18/2021 18:24:51	18:26:50	0.010	0.013	16	1.3
21008GS	03/18/2021 18:55:56	18:57:55	0.014	0.018	14	1.6
21008GS	03/18/2021 18:58:36	19:00:35	0.012	0.016	15	1.4
21008GV	03/18/2021 19:09:30	19:11:30	0.014	0.016	17	1.2
21008GV	03/18/2021 19:13:31	19:15:30	0.014	0.017	16	1.5
21008IM	03/18/2021 19:26:59	19:29:05	0.013	0.017	15	1.6
21008IM	03/18/2021 19:30:52	19:32:51	0.013	0.017	15	1.6
21008OJ	03/18/2021 19:43:18	19:45:17	0.010	0.015	16	1.3
21008OJ	03/18/2021 19:45:41	19:47:40	0.011	0.016	16	1.3

GPSID	UTC Start	UTC End	Horz Prec	Vert Prec	# of SV's	PDOP
21008US	03/18/2021 20:00:49	20:02:49	0.009	0.016	16	1.3
21008US	03/18/2021 20:04:33	20:06:33	0.009	0.013	17	1.2
21008EO	03/18/2021 20:20:04	20:22:03	0.010	0.018	15	1.5
21008EO	03/18/2021 20:23:42	20:25:41	0.009	0.016	15	1.5
21008LQ	03/18/2021 20:41:42	20:43:41	0.009	0.014	16	1.3
21008LQ	03/18/2021 20:44:32	20:46:31	0.009	0.014	16	1.3
21008IY	03/18/2021 20:53:07	20:55:06	0.011	0.014	15	1.5
21008IY	03/18/2021 20:56:01	20:58:00	0.011	0.014	16	1.3
21008RK	03/18/2021 21:05:57	21:07:56	0.011	0.014	15	1.4
21008RK	03/18/2021 21:08:31	21:10:30	0.011	0.014	15	1.4
21008GT	03/18/2021 21:18:11	21:20:10	0.010	0.012	14	1.5
21008GT	03/18/2021 21:20:47	21:22:46	0.009	0.012	14	1.3
21008DM	03/18/2021 21:34:40	21:36:39	0.010	0.013	16	1.2
21008DM	03/18/2021 21:38:10	21:40:09	0.011	0.015	16	1.2
21008HM	03/18/2021 21:47:56	21:49:55	0.012	0.016	15	1.4
21008HM	03/18/2021 21:52:29	21:55:49	0.010	0.013	15	1.4
21008TM	03/18/2021 22:05:34	22:07:33	0.013	0.020	12	1.8
21008TM	03/18/2021 22:08:47	22:10:46	0.013	0.022	12	2.0
21008HA	03/18/2021 22:19:44	22:21:43	0.012	0.019	13	1.6
21008HA	03/18/2021 22:22:22	22:25:25	0.012	0.018	12	1.5
21008UG	03/18/2021 22:35:31	22:37:50	0.011	0.018	14	1.5
21008UG	03/18/2021 22:38:44	22:40:13	0.010	0.015	14	1.3
21008SL	03/18/2021 22:54:08	22:56:07	0.013	0.018	14	1.4
21008SL	03/18/2021 22:57:47	22:59:46	0.009	0.013	14	1.4
21008BM	03/18/2021 23:07:24	23:09:24	0.010	0.014	14	1.5
21008BM	03/18/2021 23:10:05	23:12:05	0.010	0.014	14	1.5
21008TH	03/18/2021 23:18:30	23:20:29	0.010	0.015	14	1.5
21008TH	03/18/2021 23:21:04	23:23:03	0.010	0.015	14	1.5
21008HS	03/18/2021 23:32:26	23:34:25	0.010	0.015	15	1.5
21008HS	03/18/2021 23:34:52	23:36:51	0.009	0.016	15	1.5
21008KC	03/18/2021 23:41:57	23:43:56	0.010	0.016	14	1.6
21008KC	03/18/2021 23:45:06	23:47:05	0.010	0.017	14	1.6
21008GR	03/19/2021 12:43:02	12:45:01	0.009	0.013	14	1.3
21008GR	03/19/2021 12:47:01	12:49:01	0.010	0.014	14	1.3
21008BL	03/19/2021 12:57:30	12:59:29	0.012	0.018	14	1.3
21008BL	03/19/2021 12:59:51	13:01:50	0.011	0.017	14	1.3
21008JN	03/19/2021 13:09:56	13:11:56	0.011	0.016	15	1.2
21008JN	03/19/2021 13:12:31	13:14:30	0.011	0.018	15	1.2
21008DN	03/19/2021 13:30:05	13:32:04	0.011	0.022	12	1.6
21008DN	03/19/2021 13:32:48	13:34:47	0.010	0.022	11	2.0
21008QV	03/19/2021 13:46:30	13:48:29	0.008	0.022	11	2.5
21008QV	03/19/2021 13:49:25	13:51:24	0.009	0.021	11	2.6
21008BX	03/19/2021 14:00:39	14:02:38	0.009	0.021	12	2.0
21008BX	03/19/2021 14:03:10	14:04:07	0.011	0.025	11	2.7
21008KW	03/19/2021 14:08:52	14:10:51	0.008	0.018	13	1.7
21008KW	03/19/2021 14:11:25	14:13:24	0.010	0.019	12	1.9
21008EW	03/19/2021 14:43:00	14:44:59	0.009	0.011	14	1.4
21008EW	03/19/2021 14:46:00	14:47:59	0.011	0.012	14	1.4
21008UD	03/19/2021 14:54:22	14:56:21	0.010	0.010	15	1.2
21008UD	03/19/2021 14:57:06	14:59:05	0.009	0.010	15	1.2
21008IV	03/19/2021 15:13:25	15:15:31	0.008	0.009	15	1.2
21008IV	03/19/2021 15:16:55	15:18:54	0.007	0.009	14	1.3
21008RT	03/19/2021 15:30:24	15:32:23	0.010	0.012	13	1.5
21008RT	03/19/2021 15:33:09	15:35:08	0.009	0.011	13	1.5
21008DI	03/19/2021 16:04:56	16:06:55	0.009	0.015	13	1.6
21008DI	03/19/2021 16:07:19	16:09:18	0.011	0.017	13	1.7
21008MP	03/19/2021 16:33:02	16:35:01	0.012	0.016	14	1.4
21008MP	03/19/2021 16:36:15	16:38:14	0.011	0.014	14	1.4
21008JP	03/19/2021 16:44:44	16:46:43	0.012	0.019	13	1.7
21008JP	03/19/2021 16:48:09	16:50:08	0.012	0.020	14	1.5
21008EY	03/19/2021 17:01:09	17:03:09	0.013	0.026	14	1.6
21008EY	03/19/2021 17:03:40	17:05:39	0.014	0.022	14	1.6
21008EX	03/19/2021 17:20:51	17:22:50	0.012	0.020	14	1.5
21008EX	03/19/2021 17:23:34	17:25:33	0.014	0.019	14	1.5

GPSID	UTC Start	UTC End	Horz Prec	Vert Prec	# of SV's	PDOP
21008BW	03/19/2021 17:44:01	17:46:06	0.012	0.017	14	1.4
21008BW	03/19/2021 17:47:10	17:49:09	0.012	0.016	14	1.5
21008MQ	03/19/2021 18:00:34	18:02:33	0.017	0.027	13	2.1
21008MQ	03/19/2021 18:03:29	18:05:28	0.016	0.024	11	2.3
21008PZ	03/19/2021 18:16:44	18:16:59	0.019	0.028	15	1.4
21008PZ	03/19/2021 18:18:06	18:20:07	0.011	0.015	15	1.4
21008PZ	03/19/2021 18:20:32	18:22:31	0.012	0.017	14	1.5
21008TT	03/19/2021 18:35:43	18:37:43	0.011	0.014	15	1.3
21008TT	03/19/2021 18:38:39	18:40:38	0.012	0.016	15	1.3
21008DH	03/19/2021 18:50:02	18:52:01	0.011	0.015	14	1.5
21008DH	03/19/2021 18:52:23	18:54:22	0.012	0.016	14	1.5
21008TO	03/19/2021 19:08:09	19:10:09	0.014	0.017	16	1.5
21008TO	03/19/2021 19:13:05	19:15:04	0.011	0.015	16	1.5
21008TB	03/19/2021 19:29:37	19:31:36	0.010	0.014	16	1.4
21008TB	03/19/2021 19:33:31	19:35:30	0.011	0.015	16	1.4
21008PS	03/19/2021 19:52:05	19:54:04	0.011	0.013	18	1.2
21008PS	03/19/2021 19:55:22	19:57:21	0.010	0.015	18	1.2
21008NA	03/19/2021 20:02:39	20:04:38	0.010	0.014	18	1.2
21008NA	03/19/2021 20:06:04	20:08:03	0.010	0.013	18	1.1
21008LH	03/19/2021 20:19:10	20:21:09	0.009	0.012	17	1.2
21008LH	03/19/2021 20:21:40	20:23:40	0.008	0.011	16	1.3
21008DK	03/19/2021 20:42:34	20:44:34	0.008	0.012	17	1.2
21008DK	03/19/2021 20:46:06	20:48:05	0.009	0.013	16	1.4
21008TQ	03/19/2021 21:10:41	21:12:40	0.009	0.012	16	1.3
21008TQ	03/19/2021 21:13:34	21:15:33	0.009	0.012	16	1.3
21008GG	03/19/2021 21:34:51	21:36:51	0.009	0.011	16	1.1
21008GG	03/19/2021 21:37:19	21:39:18	0.009	0.011	16	1.2
21008RN	03/19/2021 21:44:11	21:46:11	0.012	0.015	17	1.1
21008RN	03/19/2021 21:48:36	21:50:35	0.017	0.023	10	2.3
21008RB	03/19/2021 22:00:20	22:02:19	0.009	0.012	14	1.5
21008RB	03/19/2021 22:02:59	22:04:59	0.010	0.014	14	1.5
21008MB	03/19/2021 22:20:46	22:22:52	0.009	0.015	13	1.9
21008MB	03/19/2021 22:24:04	22:26:04	0.009	0.014	14	1.4
21008PC	03/19/2021 22:35:41	22:38:02	0.008	0.012	15	1.3
21008PC	03/19/2021 22:39:20	22:41:19	0.008	0.013	14	1.4
21008DJ	03/19/2021 22:52:39	22:54:38	0.008	0.010	14	1.4
21008DJ	03/19/2021 22:56:24	22:58:23	0.006	0.009	13	1.5
21008UU	03/19/2021 23:15:09	23:17:08	0.005	0.007	14	1.3
21008UU	03/19/2021 23:18:56	23:20:55	0.006	0.007	14	1.4
21008ET	03/20/2021 12:45:48	12:47:47	0.009	0.010	14	1.3
21008ET	03/20/2021 12:48:46	12:50:46	0.008	0.010	14	1.3
21008RO	03/20/2021 12:57:44	12:59:43	0.007	0.010	14	1.4
21008RO	03/20/2021 13:00:05	13:02:04	0.008	0.011	14	1.4
21008OY	03/20/2021 13:09:08	13:09:18	0.011	0.015	14	1.4
21008OY	03/20/2021 13:09:55	13:11:54	0.009	0.011	14	1.4
21008OY	03/20/2021 13:12:14	13:14:13	0.009	0.011	14	1.5
21008JA	03/20/2021 13:21:37	13:23:36	0.008	0.018	12	1.9
21008JA	03/20/2021 13:24:10	13:26:09	0.008	0.016	12	1.9
21008DX	03/20/2021 13:33:46	13:36:02	0.007	0.013	13	1.5
21008DX	03/20/2021 13:36:42	13:38:41	0.007	0.012	13	1.5
21008HR	03/20/2021 13:46:08	13:48:13	0.009	0.019	13	1.5
21008HR	03/20/2021 13:48:56	13:50:55	0.008	0.017	13	1.5
21008TL	03/20/2021 13:59:05	14:01:04	0.009	0.011	14	1.4
21008TL	03/20/2021 14:01:34	14:03:33	0.006	0.013	13	1.7
21008ES	03/20/2021 14:17:52	14:19:51	0.009	0.015	14	1.3
21008ES	03/20/2021 14:20:38	14:22:37	0.009	0.013	13	1.4
21008MH	03/20/2021 14:34:21	14:36:22	0.009	0.014	14	1.3
21008MH	03/20/2021 14:36:56	14:38:55	0.010	0.014	12	1.5
21008LJ	03/20/2021 14:48:30	14:50:30	0.009	0.013	14	1.4
21008LJ	03/20/2021 14:51:18	14:53:17	0.010	0.013	14	1.4
21008IF	03/20/2021 15:06:20	15:08:19	0.012	0.016	13	1.4
21008IF	03/20/2021 15:08:45	15:10:44	0.012	0.014	13	1.4
21008ER	03/20/2021 15:16:29	15:18:28	0.012	0.014	13	1.5
21008ER	03/20/2021 15:18:56	15:20:55	0.012	0.015	13	1.5

GPSID	UTC Start	UTC End	Horz Prec	Vert Prec	# of SV's	PDOP
21008CC	03/20/2021 15:27:49	15:29:48	0.016	0.020	12	1.6
21008CC	03/20/2021 15:31:11	15:33:10	0.012	0.016	12	1.6
21008HG	03/20/2021 15:54:42	15:56:41	0.012	0.019	11	2.1
21008HG	03/20/2021 15:58:31	16:00:30	0.014	0.023	12	2.0
21008DY	03/20/2021 16:17:13	16:19:12	0.012	0.025	12	2.3
21008DY	03/20/2021 16:19:56	16:21:55	0.013	0.028	13	1.5
21008CD	03/20/2021 16:35:57	16:37:59	0.012	0.021	11	3.1
21008CD	03/20/2021 16:40:00	16:41:59	0.010	0.019	9	2.4
21008TP	03/20/2021 16:52:19	16:54:18	0.012	0.021	11	2.0
21008TP	03/20/2021 16:54:38	16:56:37	0.013	0.022	13	1.7
21008OV	03/20/2021 17:05:21	17:07:20	0.016	0.029	13	1.8
21008OV	03/20/2021 17:08:26	17:10:25	0.016	0.028	13	1.8
21008DZ	03/20/2021 17:18:46	17:20:47	0.011	0.019	14	1.5
21008DZ	03/20/2021 17:21:44	17:23:43	0.012	0.020	14	1.5
21008ML	03/20/2021 17:31:52	17:33:53	0.012	0.016	15	1.4
21008ML	03/20/2021 17:38:33	17:40:32	0.012	0.017	16	1.2
21008JX	03/20/2021 17:45:55	17:47:54	0.013	0.017	16	1.2
21008JX	03/20/2021 17:49:00	17:50:59	0.011	0.017	13	1.7
21008HB	03/20/2021 18:10:52	18:12:51	0.010	0.015	15	1.4
21008HB	03/20/2021 18:13:21	18:15:20	0.012	0.017	14	1.5
21008EA	03/20/2021 18:21:15	18:23:14	0.013	0.019	16	1.3
21008EA	03/20/2021 18:23:54	18:25:53	0.011	0.016	16	1.3
21008MK	03/20/2021 18:39:55	18:41:55	0.011	0.016	15	1.4
21008MK	03/20/2021 18:42:28	18:44:29	0.010	0.014	15	1.4
21008TI	03/20/2021 18:50:44	18:52:44	0.011	0.015	15	1.4
21008TI	03/20/2021 18:53:52	18:55:51	0.010	0.015	15	1.5
21008CF	03/20/2021 19:07:25	19:09:31	0.011	0.016	15	1.6
21008CF	03/20/2021 19:09:47	19:11:47	0.010	0.015	16	1.5
21008IU	03/20/2021 19:33:33	19:35:32	0.011	0.016	17	1.4
21008IU	03/20/2021 19:36:15	19:38:14	0.010	0.016	17	1.4
21008UH	03/20/2021 19:51:53	19:53:52	0.008	0.013	17	1.3
21008UH	03/20/2021 19:54:15	19:56:14	0.009	0.014	17	1.3
21008QQ	03/20/2021 20:11:38	20:13:37	0.010	0.016	15	1.4
21008QQ	03/20/2021 20:15:13	20:17:12	0.010	0.015	14	1.5
21008NN	03/20/2021 20:24:20	20:26:19	0.009	0.014	14	1.5
21008NN	03/20/2021 20:28:44	20:30:43	0.009	0.013	14	1.5
21008SI	03/20/2021 20:43:29	20:45:28	0.013	0.018	12	2.0
21008SI	03/20/2021 20:47:38	20:49:37	0.011	0.015	13	1.7
21008RQ	03/20/2021 21:07:01	21:09:02	0.011	0.013	14	1.4
21008RQ	03/20/2021 21:09:24	21:11:23	0.010	0.012	14	1.4
21008CE	03/20/2021 21:21:41	21:23:40	0.011	0.012	14	1.4
21008CE	03/20/2021 21:25:15	21:28:39	0.010	0.011	10	1.7
21008PL	03/20/2021 21:37:04	21:39:03	0.011	0.013	13	1.4
21008PL	03/20/2021 21:39:51	21:41:50	0.012	0.015	13	1.4
21008UX	03/20/2021 21:55:06	21:57:05	0.011	0.014	13	1.5
21008UX	03/20/2021 21:58:16	22:00:15	0.012	0.018	12	1.5
21008SG	03/20/2021 22:14:57	22:16:56	0.011	0.017	13	1.4
21008SG	03/20/2021 22:19:30	22:21:29	0.010	0.015	12	1.5
21008RD	03/20/2021 22:33:14	22:35:13	0.012	0.018	11	1.6
21008RD	03/20/2021 22:40:56	22:42:55	0.013	0.017	13	1.4
21008PR	03/21/2021 13:25:10	13:30:10	0.008	0.014	12	1.7
21008PR	03/21/2021 13:31:55	13:33:54	0.011	0.019	13	1.5
21008RP	03/21/2021 13:44:29	13:46:28	0.010	0.020	12	1.7
21008RP	03/21/2021 13:47:57	13:49:56	0.010	0.021	12	1.5
21008MJ	03/21/2021 14:06:37	14:08:36	0.008	0.016	12	2.0
21008MJ	03/21/2021 14:10:17	14:12:16	0.009	0.016	12	1.9
21008JJ	03/21/2021 14:24:53	14:26:52	0.013	0.017	13	1.4
21008JJ	03/21/2021 14:27:23	14:29:22	0.014	0.018	13	1.4
21008TE	03/21/2021 14:37:50	14:39:49	0.014	0.016	12	1.8
21008TE	03/21/2021 14:41:07	14:43:07	0.011	0.016	13	1.5
21008DG	03/21/2021 15:11:46	15:13:45	0.012	0.014	13	1.4
21008DG	03/21/2021 15:14:29	15:16:28	0.013	0.015	12	1.5
21008TC	03/21/2021 15:50:06	15:52:06	0.011	0.020	11	1.8
21008TC	03/21/2021 15:52:40	15:54:39	0.012	0.021	12	1.8

GPSID	UTC Start	UTC End	Horz Prec	Vert Prec	# of SV's	PDOP
21008PX	03/21/2021 16:18:23	16:20:22	0.015	0.027	12	1.5
21008PX	03/21/2021 16:21:10	16:23:09	0.015	0.029	12	1.5
21008QS	03/21/2021 16:37:45	16:40:35	0.013	0.025	12	1.9
21008QS	03/21/2021 16:42:12	16:44:12	0.015	0.028	12	1.9
21008JM	03/21/2021 16:52:35	16:54:34	0.013	0.025	14	1.7
21008JM	03/21/2021 16:55:16	16:57:15	0.012	0.020	13	1.8
21008GC	03/21/2021 17:14:18	17:16:17	0.013	0.020	14	1.5
21008GC	03/21/2021 17:17:16	17:19:15	0.013	0.020	14	1.5
21008NP	03/21/2021 17:31:04	17:33:03	0.013	0.021	16	1.3
21008NP	03/21/2021 17:33:39	17:35:39	0.013	0.020	16	1.3
21008PO	03/21/2021 17:52:18	17:54:18	0.013	0.021	14	1.6
21008PO	03/21/2021 17:54:52	17:56:51	0.015	0.021	14	1.6
21008DC	03/21/2021 18:03:18	18:05:17	0.014	0.022	14	1.6
21008DC	03/21/2021 18:05:52	18:07:51	0.014	0.023	15	1.4
21008ST	03/21/2021 18:21:48	18:23:47	0.012	0.015	16	1.3
21008ST	03/21/2021 18:24:42	18:26:42	0.014	0.019	16	1.3
21008KM	03/21/2021 18:53:17	18:55:16	0.012	0.014	15	1.4
21008KM	03/21/2021 18:56:53	18:58:52	0.012	0.015	15	1.5
21008DB	03/21/2021 19:11:31	19:13:30	0.011	0.014	16	1.4
21008DB	03/21/2021 19:13:47	19:15:46	0.009	0.014	15	1.5
21008NF	03/21/2021 19:21:56	19:23:55	0.011	0.015	16	1.4
21008NF	03/21/2021 19:25:12	19:27:11	0.012	0.013	16	1.4
21008SF	03/21/2021 19:37:58	19:39:57	0.010	0.012	16	1.4
21008SF	03/21/2021 19:40:39	19:42:38	0.011	0.014	16	1.4
21008HQ	03/21/2021 19:52:11	19:54:10	0.010	0.013	16	1.3
21008HQ	03/21/2021 19:55:21	19:57:20	0.008	0.011	16	1.3
21008GQ	03/21/2021 20:06:11	20:08:10	0.011	0.016	14	1.4
21008GQ	03/21/2021 20:09:17	20:11:16	0.012	0.017	13	1.6
21008TF	03/21/2021 20:25:22	20:27:28	0.011	0.017	12	1.9
21008TF	03/21/2021 20:28:49	20:30:48	0.012	0.017	13	1.6
21008QG	03/21/2021 20:40:44	20:42:45	0.015	0.015	12	1.8
21008QG	03/21/2021 20:43:16	20:45:15	0.013	0.014	13	1.6
21008LC	03/21/2021 20:57:41	20:58:00	0.022	0.023	12	1.7
21008LC	03/21/2021 21:00:50	21:02:49	0.016	0.015	13	1.5
21008DA	03/21/2021 21:15:22	21:17:21	0.011	0.011	13	1.4
21008DA	03/21/2021 21:17:52	21:19:51	0.013	0.012	12	1.4
21008FI	03/21/2021 21:36:53	21:38:52	0.012	0.016	11	1.7
21008FI	03/21/2021 21:39:15	21:41:14	0.012	0.016	11	1.7
21008FJ	03/21/2021 22:09:02	22:11:01	0.011	0.016	11	1.7
21008FJ	03/21/2021 22:11:19	22:13:18	0.012	0.019	11	1.8
21008CG	03/21/2021 22:20:40	22:22:39	0.011	0.016	11	1.9
21008CG	03/21/2021 22:23:34	22:25:33	0.011	0.018	10	2.0
21008QK	03/21/2021 22:35:27	22:37:26	0.012	0.020	12	1.6
21008QK	03/21/2021 22:38:12	22:40:11	0.012	0.018	12	1.6
21008RJ	03/22/2021 13:11:54	13:13:53	0.009	0.013	12	1.8
21008RJ	03/22/2021 13:14:51	13:16:50	0.010	0.014	12	1.8
21008IT	03/22/2021 13:26:50	13:28:49	0.008	0.014	12	1.5
21008IT	03/22/2021 13:29:24	13:31:23	0.009	0.015	11	1.6
21008CY	03/22/2021 13:44:43	13:46:42	0.009	0.014	13	1.4
21008CY	03/22/2021 13:48:00	13:49:59	0.010	0.015	13	1.4
21008UN	03/22/2021 14:01:19	14:03:18	0.009	0.019	11	2.0
21008UN	03/22/2021 14:04:33	14:06:32	0.010	0.018	11	2.0
21008FL	03/22/2021 14:18:11	14:20:11	0.009	0.015	13	1.4
21008FL	03/22/2021 14:20:29	14:22:28	0.009	0.015	13	1.4
21008JC	03/22/2021 14:34:49	14:36:48	0.011	0.017	13	1.4
21008JC	03/22/2021 14:37:07	14:39:07	0.011	0.016	13	1.4
21008LF	03/22/2021 14:54:16	14:56:16	0.013	0.014	13	1.4
21008LF	03/22/2021 14:56:38	14:58:37	0.014	0.018	13	1.4
21008HF	03/22/2021 15:06:08	15:08:07	0.013	0.016	12	1.6
21008HF	03/22/2021 15:09:08	15:11:07	0.015	0.018	12	1.6
21008FK	03/22/2021 15:19:58	15:21:57	0.013	0.017	13	1.5
21008FK	03/22/2021 15:22:31	15:24:30	0.013	0.016	13	1.5
21008CW	03/22/2021 15:39:32	15:41:32	0.011	0.015	13	1.5
21008CW	03/22/2021 15:41:49	15:43:48	0.015	0.019	13	1.7

GPSID	UTC Start	UTC End	Horz Prec	Vert Prec	# of SV's	PDOP
21008RI	03/22/2021 15:59:50	16:01:49	0.016	0.027	11	2.2
21008RI	03/22/2021 16:04:55	16:06:54	0.013	0.022	12	1.9
21008CH	03/22/2021 16:19:43	16:21:42	0.012	0.020	14	1.6
21008CH	03/22/2021 16:22:37	16:24:36	0.012	0.017	14	1.7
21008FF	03/22/2021 17:00:17	17:02:17	0.010	0.018	13	1.9
21008FF	03/22/2021 17:04:54	17:06:53	0.009	0.018	13	1.9
21008SD	03/22/2021 17:18:30	17:20:29	0.008	0.011	15	1.4
21008SD	03/22/2021 17:22:28	17:24:27	0.010	0.012	16	1.3
21008TA	03/22/2021 17:39:19	17:41:18	0.009	0.012	15	1.4
21008TA	03/22/2021 17:42:14	17:44:13	0.010	0.014	14	1.6
21008FG	03/22/2021 17:54:13	17:56:12	0.012	0.014	13	1.8
21008FG	03/22/2021 17:56:50	17:58:49	0.012	0.014	14	1.5
21008GP	03/22/2021 18:08:57	18:10:56	0.009	0.012	12	1.8
21008GP	03/22/2021 18:12:17	18:14:16	0.010	0.013	12	1.7
21008DE	03/22/2021 18:34:11	18:36:10	0.007	0.010	14	1.5
21008DE	03/22/2021 18:37:11	18:39:10	0.007	0.011	13	1.7
21008HC	03/22/2021 18:52:45	18:54:45	0.009	0.013	14	1.6
21008HC	03/22/2021 18:56:37	18:58:37	0.010	0.013	15	1.5
21008HL	03/22/2021 19:07:23	19:09:22	0.010	0.014	15	1.5
21008HL	03/22/2021 19:10:10	19:12:10	0.009	0.011	14	1.5
21008NC	03/22/2021 19:27:27	19:29:26	0.008	0.012	15	1.5
21008NC	03/22/2021 19:29:46	19:31:45	0.009	0.012	15	1.5
21008QM	03/22/2021 19:40:53	19:42:52	0.009	0.012	15	1.5
21008QM	03/22/2021 19:43:27	19:45:26	0.009	0.014	14	1.5
21008HD	03/22/2021 19:53:32	19:55:31	0.010	0.015	13	1.6
21008HD	03/22/2021 19:56:25	19:58:24	0.010	0.016	13	1.5
21008MD	03/22/2021 20:09:08	20:11:07	0.011	0.017	12	1.6
21008MD	03/22/2021 20:11:54	20:13:54	0.011	0.016	13	1.5
21008MI	03/22/2021 20:27:12	20:29:31	0.013	0.017	12	1.9
21008MI	03/22/2021 20:30:57	20:32:56	0.013	0.017	11	2.0
21008MT	03/22/2021 20:46:57	20:48:56	0.011	0.017	11	2.0
21008MT	03/22/2021 20:49:15	20:51:15	0.011	0.015	12	1.7
21008CZ	03/22/2021 21:03:12	21:05:11	0.012	0.015	12	1.6
21008CZ	03/22/2021 21:06:32	21:08:31	0.011	0.014	12	1.6
21008PM	03/22/2021 21:21:52	21:23:52	0.010	0.013	11	1.7
21008PM	03/22/2021 21:24:13	21:26:12	0.010	0.013	11	1.8
21008KK	03/22/2021 21:31:52	21:33:51	0.012	0.015	10	1.8
21008KK	03/22/2021 21:34:25	21:36:24	0.011	0.013	11	1.5
21008KQ	03/22/2021 21:49:10	21:51:09	0.015	0.022	10	2.1
21008KQ	03/22/2021 21:52:00	21:53:59	0.013	0.020	10	2.1
21008PA	03/22/2021 22:14:49	22:16:48	0.009	0.012	11	2.1
21008PA	03/22/2021 22:17:07	22:19:06	0.009	0.012	11	2.2
21008GZ	03/22/2021 22:35:35	22:37:41	0.009	0.012	12	1.7
21008GZ	03/22/2021 22:38:32	22:40:31	0.009	0.012	12	1.7
21008QY	03/22/2021 22:55:35	22:56:27	0.016	0.024	10	1.8
21008QY	03/22/2021 22:58:17	23:00:58	0.011	0.016	12	1.7
21008FM	03/23/2021 13:18:43	13:20:42	0.009	0.015	12	1.6
21008FM	03/23/2021 13:22:20	13:24:20	0.011	0.017	12	1.6
21008QP	03/23/2021 13:37:21	13:39:28	0.011	0.023	12	1.5
21008QP	03/23/2021 13:40:23	13:42:22	0.010	0.018	10	1.6
21008FO	03/23/2021 13:52:11	13:54:11	0.011	0.024	11	2.0
21008FO	03/23/2021 13:54:44	13:56:44	0.011	0.022	11	2.0
21008CK	03/23/2021 14:05:38	14:07:37	0.013	0.025	12	1.7
21008CK	03/23/2021 14:08:14	14:10:14	0.011	0.019	12	1.7
21008MM	03/23/2021 14:34:31	14:36:30	0.011	0.014	11	1.6
21008MM	03/23/2021 14:37:10	14:39:10	0.011	0.015	12	1.5
21008CX	03/23/2021 14:48:51	14:50:51	0.013	0.016	11	1.7
21008CX	03/23/2021 14:51:18	14:53:17	0.014	0.015	12	1.5
21008OF	03/23/2021 15:05:44	15:07:43	0.011	0.013	11	1.6
21008OF	03/23/2021 15:08:02	15:10:01	0.014	0.016	11	1.6
21008HV	03/23/2021 15:21:59	15:24:04	0.012	0.016	11	1.6
21008HV	03/23/2021 15:24:40	15:26:39	0.012	0.015	11	1.6
21008JI	03/23/2021 15:37:12	15:39:11	0.010	0.014	12	1.5
21008JI	03/23/2021 15:40:08	15:42:07	0.012	0.017	12	1.6

GPSID	UTC Start	UTC End	Horz Prec	Vert Prec	# of SV's	PDOP
21008UT	03/23/2021 15:50:49	15:52:48	0.013	0.023	12	1.7
21008UT	03/23/2021 15:53:48	15:55:47	0.013	0.019	11	1.9
21008SS	03/23/2021 16:05:21	16:07:20	0.009	0.013	12	2.0
21008SS	03/23/2021 16:08:45	16:10:44	0.007	0.011	13	1.5
21008QO	03/23/2021 16:35:41	16:40:07	0.009	0.016	12	1.9
21008QO	03/23/2021 16:40:56	16:42:55	0.011	0.026	12	1.9
21008IP	03/23/2021 16:53:42	16:55:41	0.012	0.026	11	2.3
21008IP	03/23/2021 16:56:55	16:58:54	0.012	0.028	11	2.3
21008GD	03/23/2021 17:14:47	17:16:46	0.011	0.019	14	1.4
21008GD	03/23/2021 17:17:40	17:19:39	0.011	0.019	14	1.4
21008KZ	03/23/2021 17:29:32	17:31:31	0.013	0.019	15	1.3
21008KZ	03/23/2021 17:32:01	17:34:00	0.012	0.019	15	1.3
21008RV	03/23/2021 17:43:03	17:45:02	0.013	0.018	12	1.9
21008RV	03/23/2021 17:45:26	17:47:25	0.015	0.018	11	2.0
21008CI	03/23/2021 17:58:05	18:00:04	0.013	0.017	13	1.5
21008CI	03/23/2021 18:01:31	18:03:30	0.014	0.019	12	1.7
21008HE	03/23/2021 18:19:51	18:21:50	0.013	0.017	12	1.7
21008HE	03/23/2021 18:22:26	18:24:26	0.013	0.017	12	1.7
21008HO	03/23/2021 18:39:15	18:41:14	0.015	0.022	12	1.9
21008HO	03/23/2021 18:42:02	18:44:01	0.015	0.022	12	1.9
21008FH	03/23/2021 19:01:55	19:03:54	0.010	0.017	15	1.5
21008FH	03/23/2021 19:04:21	19:06:20	0.009	0.015	15	1.5
21008HH	03/23/2021 19:23:43	19:25:42	0.009	0.014	15	1.6
21008HH	03/23/2021 19:26:09	19:28:09	0.009	0.014	15	1.6
21008DD	03/23/2021 19:37:58	19:40:16	0.010	0.014	15	1.5
21008DD	03/23/2021 19:40:38	19:42:37	0.010	0.014	14	1.5
21008KF	03/23/2021 19:54:42	19:56:46	0.011	0.015	12	1.7
21008KF	03/23/2021 19:57:36	19:59:35	0.010	0.015	13	1.6
21008JH	03/23/2021 20:10:13	20:12:12	0.011	0.017	13	1.5
21008JH	03/23/2021 20:14:02	20:16:01	0.010	0.014	13	1.5
21008MV	03/23/2021 20:27:23	20:29:22	0.014	0.021	12	1.9
21008MV	03/23/2021 20:30:05	20:32:04	0.015	0.020	11	2.2
21008MO	03/23/2021 20:46:00	20:47:59	0.012	0.015	13	1.8
21008MO	03/23/2021 20:49:29	20:51:28	0.015	0.017	11	2.0
21008NG	03/23/2021 21:11:07	21:13:06	0.010	0.013	13	1.5
21008NG	03/23/2021 21:13:33	21:15:33	0.009	0.012	12	1.7
21008FE	03/23/2021 21:30:48	21:32:47	0.013	0.018	12	1.5
21008FE	03/23/2021 21:33:18	21:35:17	0.011	0.016	13	1.4
21008UQ	03/23/2021 21:43:42	21:45:41	0.011	0.016	13	1.4
21008UQ	03/23/2021 21:48:09	21:50:08	0.010	0.015	12	1.7
21008DF	03/23/2021 22:05:54	22:07:53	0.010	0.015	13	1.6
21008DF	03/23/2021 22:08:38	22:10:37	0.009	0.014	12	1.7
21008LG	03/23/2021 22:19:36	22:21:35	0.010	0.016	13	1.4
21008LG	03/23/2021 22:21:57	22:23:56	0.009	0.014	12	1.6
21008LV	03/23/2021 22:46:57	22:48:57	0.008	0.013	14	1.5
21008LV	03/23/2021 22:49:19	22:51:18	0.008	0.013	13	1.7
21008SY	03/23/2021 23:02:46	23:04:45	0.009	0.014	15	1.5
21008SY	03/23/2021 23:05:23	23:07:22	0.010	0.016	15	1.5
21008BS	03/24/2021 12:59:55	13:01:54	0.010	0.019	11	1.9
21008BS	03/24/2021 13:03:52	13:05:51	0.011	0.020	11	1.9
21008BT	03/24/2021 13:16:18	13:18:17	0.012	0.024	11	2.0
21008BT	03/24/2021 13:19:06	13:21:05	0.011	0.026	11	2.0
21008JB	03/24/2021 13:39:10	13:41:09	0.011	0.023	13	1.7
21008JB	03/24/2021 13:41:47	13:43:46	0.011	0.022	13	1.7
21008NR	03/24/2021 13:57:08	13:59:08	0.011	0.021	11	2.0
21008NR	03/24/2021 13:59:41	14:01:40	0.012	0.022	11	2.0
21008RY	03/24/2021 14:15:46	14:17:46	0.013	0.020	12	1.6
21008RY	03/24/2021 14:18:43	14:20:42	0.010	0.018	12	1.6
21008II	03/24/2021 14:30:36	14:32:35	0.012	0.017	13	1.3
21008II	03/24/2021 14:33:15	14:35:14	0.012	0.016	13	1.3
21008BU	03/24/2021 14:50:04	14:52:03	0.013	0.017	12	1.5
21008BU	03/24/2021 14:53:10	14:55:09	0.013	0.018	12	1.5
21008UI	03/24/2021 15:24:36	15:26:35	0.012	0.017	12	1.5
21008UI	03/24/2021 15:28:33	15:30:33	0.012	0.019	12	1.5

GPSID	UTC Start	UTC End	Horz Prec	Vert Prec	# of SV's	PDOP
21008IL	03/24/2021 15:51:53	15:53:52	0.011	0.017	12	1.9
21008IL	03/24/2021 15:55:15	15:57:14	0.011	0.019	13	1.6
21008SC	03/24/2021 16:09:44	16:11:44	0.010	0.018	13	1.5
21008SC	03/24/2021 16:13:34	16:15:34	0.010	0.018	14	1.5
21008BV	03/24/2021 16:34:50	16:36:49	0.007	0.016	13	1.8
21008BV	03/24/2021 16:37:10	16:39:09	0.009	0.017	13	1.9
21008LU	03/24/2021 16:48:53	16:50:52	0.008	0.016	12	2.2
21008LU	03/24/2021 16:51:28	16:53:27	0.009	0.017	12	2.2
21008CS	04/20/2021 19:16:13	19:19:12	0.006	0.008	14	1.3
21008CS	04/20/2021 19:21:24	19:24:23	0.007	0.008	15	1.3
21008RL	04/20/2021 19:31:24	19:34:23	0.008	0.010	14	1.5
21008RL	04/20/2021 19:35:17	19:38:16	0.009	0.012	14	1.5
21008OP	04/20/2021 19:44:21	19:47:20	0.008	0.011	14	1.6
21008OP	04/20/2021 19:48:20	19:51:19	0.011	0.014	13	1.8
21008NZ	04/20/2021 20:02:58	20:05:57	0.012	0.019	11	2.5
21008NZ	04/20/2021 20:06:22	20:09:21	0.011	0.017	11	2.5
21008EZ	04/20/2021 20:19:06	20:22:05	0.013	0.018	12	1.7
21008EZ	04/20/2021 20:27:55	20:30:54	0.010	0.013	13	1.4
21008FA	04/20/2021 20:45:00	20:47:59	0.009	0.012	13	1.5
21008FA	04/20/2021 20:48:44	20:51:43	0.008	0.011	13	1.5
21008KI	04/20/2021 21:07:01	21:10:00	0.009	0.013	13	1.5
21008KI	04/20/2021 21:10:38	21:13:37	0.010	0.013	14	1.5
21008NJ	04/20/2021 21:19:00	21:21:59	0.008	0.012	14	1.5
21008NJ	04/20/2021 21:22:50	21:25:49	0.008	0.012	14	1.5
21008CO	04/20/2021 21:38:26	21:41:25	0.010	0.016	10	2.3
21008CO	04/20/2021 21:42:12	21:45:11	0.010	0.017	11	1.9
21008JW	04/20/2021 22:02:20	22:05:19	0.010	0.014	12	1.5
21008JW	04/20/2021 22:05:54	22:08:53	0.012	0.016	11	1.6
21008LP	04/20/2021 22:27:16	22:30:15	0.010	0.011	12	1.5
21008LP	04/20/2021 22:30:55	22:33:54	0.012	0.014	12	1.5
21008CM	04/20/2021 22:43:20	22:46:19	0.012	0.014	12	1.5
21008CM	04/20/2021 22:46:48	22:49:47	0.012	0.015	14	1.4
21008NU	04/21/2021 12:11:27	12:14:26	0.004	0.006	14	1.3
21008NU	04/21/2021 12:15:48	12:17:47	0.005	0.007	14	1.3
21008MC	04/21/2021 12:29:13	12:31:12	0.009	0.011	14	1.4
21008MC	04/21/2021 12:32:50	12:34:49	0.009	0.011	14	1.4
21008KB	04/21/2021 12:45:48	12:47:47	0.010	0.012	15	1.3
21008KB	04/21/2021 12:49:06	12:51:05	0.010	0.012	14	1.4
21008QE	04/21/2021 13:04:56	13:06:55	0.011	0.013	13	1.5
21008QE	04/21/2021 13:08:23	13:10:22	0.009	0.013	13	1.5
21008QU	04/21/2021 13:16:44	13:18:43	0.011	0.013	13	1.5
21008QU	04/21/2021 13:20:22	13:22:21	0.010	0.013	12	1.9
21008MX	04/21/2021 13:30:30	13:32:29	0.011	0.015	12	1.9
21008MX	04/21/2021 13:37:27	13:39:26	0.010	0.016	11	2.1
21008SP	04/21/2021 13:58:02	14:00:01	0.011	0.021	12	2.2
21008SP	04/21/2021 14:00:49	14:02:48	0.012	0.023	12	2.3
21008TZ	04/21/2021 14:20:14	14:22:13	0.009	0.016	14	1.4
21008TZ	04/21/2021 14:24:31	14:26:30	0.009	0.015	14	1.4
21008TZ	04/21/2021 14:27:58	14:29:57	0.010	0.017	14	1.4
21008PN	04/21/2021 14:38:18	14:40:17	0.009	0.016	13	1.6
21008PN	04/21/2021 14:41:43	14:43:42	0.008	0.014	12	1.8
21008GN	04/21/2021 14:59:36	15:01:35	0.008	0.012	13	1.8
21008GN	04/21/2021 15:03:53	15:05:52	0.009	0.016	13	1.8
21008LX	04/21/2021 15:13:15	15:15:14	0.009	0.015	13	1.7
21008LX	04/21/2021 15:17:23	15:19:22	0.010	0.015	14	1.5
21008CU	04/21/2021 15:30:13	15:32:12	0.010	0.014	16	1.2
21008CU	04/21/2021 15:34:22	15:36:21	0.009	0.014	15	1.4
21008FB	04/21/2021 15:58:23	16:00:22	0.012	0.016	15	1.4
21008FB	04/21/2021 16:01:38	16:03:37	0.011	0.015	16	1.2
21008CP	04/21/2021 16:18:20	16:20:19	0.010	0.012	16	1.3
21008CP	04/21/2021 16:22:54	16:24:53	0.008	0.010	16	1.3
21008TX	04/21/2021 16:39:04	16:41:03	0.011	0.014	14	1.7
21008TX	04/21/2021 16:42:05	16:44:04	0.010	0.012	14	1.7
21008OX	04/21/2021 16:50:40	16:52:39	0.011	0.015	16	1.5

GPSID	UTC Start	UTC End	Horz Prec	Vert Prec	# of SV's	PDOP
21008OX	04/21/2021 16:53:22	16:55:21	0.011	0.015	14	1.7
21008TU	04/21/2021 17:04:42	17:06:44	0.010	0.013	15	1.6
21008TU	04/21/2021 17:07:51	17:09:50	0.009	0.013	16	1.5
21008OD	04/21/2021 17:34:09	17:36:08	0.007	0.012	17	1.4
21008OD	04/21/2021 17:37:25	17:39:24	0.011	0.015	17	1.3
21008GI	04/21/2021 18:00:11	18:02:10	0.008	0.013	15	1.4
21008GI	04/21/2021 18:03:06	18:05:05	0.008	0.012	14	1.5
21008RE	04/21/2021 18:18:06	18:20:05	0.009	0.014	15	1.4
21008RE	04/21/2021 18:20:54	18:22:53	0.009	0.013	14	1.4
21008LA	04/21/2021 18:35:46	18:37:58	0.009	0.011	13	1.7
21008LA	04/21/2021 18:38:59	18:40:58	0.009	0.011	14	1.5
21008PW	04/21/2021 18:54:32	18:56:31	0.008	0.009	14	1.5
21008PW	04/21/2021 18:56:58	18:58:57	0.009	0.009	13	1.5
21008GJ	04/21/2021 19:11:18	19:13:17	0.010	0.010	14	1.4
21008GJ	04/21/2021 19:14:22	19:16:21	0.011	0.011	14	1.4
21008KV	04/21/2021 19:26:28	19:28:27	0.010	0.011	14	1.3
21008KV	04/21/2021 19:29:41	19:31:40	0.014	0.015	13	1.7
21008CL	04/21/2021 19:44:59	19:46:58	0.014	0.016	13	2.0
21008CL	04/21/2021 19:47:39	19:49:38	0.014	0.017	13	1.9
21008TJ	04/21/2021 19:56:18	19:58:17	0.013	0.017	12	1.9
21008TJ	04/21/2021 19:59:09	20:01:08	0.012	0.017	11	2.3
21008SA	04/21/2021 20:30:24	20:32:23	0.010	0.013	13	1.4
21008SA	04/21/2021 20:35:38	20:37:37	0.008	0.010	13	1.4
21008KY	04/21/2021 20:54:29	20:56:28	0.008	0.010	12	1.5
21008KY	04/21/2021 20:58:59	21:00:58	0.009	0.012	12	1.5
21008IK	04/21/2021 21:16:02	21:18:01	0.008	0.010	12	1.6
21008IK	04/21/2021 21:21:03	21:23:02	0.007	0.010	12	1.6
21008PP	04/21/2021 21:30:03	21:32:02	0.010	0.013	11	1.7
21008PP	04/21/2021 21:33:07	21:35:06	0.010	0.013	10	1.9
21008CN	04/21/2021 21:44:28	21:46:27	0.009	0.013	11	1.7
21008CN	04/21/2021 21:47:10	21:49:09	0.011	0.014	11	1.7
21008LD	04/21/2021 22:03:41	22:05:40	0.011	0.017	11	2.2
21008LD	04/21/2021 22:06:10	22:08:09	0.014	0.018	11	2.3
21008FP	04/21/2021 22:19:26	22:21:25	0.017	0.020	11	2.6
21008FP	04/21/2021 22:22:32	22:24:31	0.016	0.019	11	2.7
21008OT	04/21/2021 22:33:52	22:35:51	0.014	0.014	12	1.8
21008OT	04/21/2021 22:37:23	22:39:22	0.016	0.016	12	1.9
21008PE	04/21/2021 22:44:05	22:46:04	0.013	0.014	13	1.5
21008PE	04/21/2021 22:47:55	22:49:54	0.014	0.014	12	1.8
21008LR	04/21/2021 22:54:07	22:57:16	0.012	0.015	11	2.0
21008LR	04/21/2021 22:57:41	22:59:40	0.013	0.016	11	2.0
21008UV	04/21/2021 23:12:01	23:14:00	0.008	0.008	12	1.6
21008UV	04/21/2021 23:14:28	23:16:27	0.008	0.009	11	1.7
21008OB	04/22/2021 11:59:05	12:01:04	0.004	0.007	12	1.9
21008OB	04/22/2021 12:03:12	12:05:11	0.004	0.007	12	1.9
21008ON	04/22/2021 12:24:54	12:26:53	0.010	0.013	12	1.6
21008ON	04/22/2021 12:28:17	12:30:16	0.010	0.013	12	1.6
21008JD	04/22/2021 12:41:07	12:43:06	0.015	0.016	13	1.6
21008JD	04/22/2021 12:45:18	12:47:17	0.012	0.012	13	1.6
21008NY	04/22/2021 13:00:00	13:01:59	0.011	0.014	11	1.8
21008NY	04/22/2021 13:03:07	13:05:06	0.012	0.015	12	1.7
21008CV	04/22/2021 13:23:29	13:25:28	0.013	0.019	12	1.7
21008CV	04/22/2021 13:28:32	13:30:31	0.015	0.021	12	1.7
21008OQ	04/22/2021 13:34:49	13:36:48	0.014	0.021	12	2.1
21008OQ	04/22/2021 13:38:14	13:40:13	0.013	0.023	12	2.2
21008RR	04/22/2021 13:53:15	13:55:14	0.013	0.026	12	1.8
21008RR	04/22/2021 13:55:45	13:57:44	0.014	0.026	12	1.8
21008FN	04/22/2021 14:06:30	14:08:29	0.012	0.020	14	1.4
21008FN	04/22/2021 14:09:21	14:11:20	0.012	0.018	14	1.4
21008GW	04/22/2021 14:19:55	14:21:54	0.013	0.019	14	1.5
21008GW	04/22/2021 14:23:23	14:25:22	0.012	0.015	14	1.5
21008NT	04/22/2021 14:46:25	14:48:38	0.010	0.015	12	1.9
21008NT	04/22/2021 14:49:27	14:51:26	0.010	0.016	12	2.0
21008CJ	04/22/2021 14:57:08	14:59:07	0.010	0.015	10	2.3

GPSID	UTC Start	UTC End	Horz Prec	Vert Prec	# of SV's	PDOP
21008CJ	04/22/2021 15:00:09	15:02:08	0.008	0.013	11	2.1
21008RF	04/22/2021 15:14:09	15:16:08	0.009	0.016	12	1.6
21008RF	04/22/2021 15:18:18	15:20:17	0.009	0.014	14	1.5
21008FC	04/22/2021 15:35:55	15:38:08	0.008	0.013	12	1.9
21008FC	04/22/2021 15:39:05	15:41:04	0.008	0.014	12	1.9
21008CQ	04/22/2021 15:55:15	15:57:14	0.007	0.014	14	1.6
21008CQ	04/22/2021 15:58:25	16:00:24	0.007	0.015	15	1.4
21008IO	04/22/2021 16:08:25	16:10:24	0.006	0.011	14	1.5
21008IO	04/22/2021 16:11:02	16:13:01	0.007	0.012	15	1.4
21008RG	04/22/2021 16:23:54	16:25:53	0.008	0.012	14	1.6
21008RH	04/22/2021 16:27:06	16:29:05	0.008	0.012	14	1.6
21008RG	04/22/2021 16:29:43	16:31:42	0.007	0.011	14	1.5
21008MU	04/22/2021 16:52:47	16:54:46	0.009	0.012	14	1.6
21008MU	04/22/2021 16:56:52	16:58:51	0.012	0.014	13	1.7
21008FD	04/22/2021 17:07:30	17:09:29	0.010	0.013	15	1.4
21008FD	04/22/2021 17:10:26	17:12:25	0.011	0.013	15	1.4
21008TN	04/22/2021 17:19:58	17:21:57	0.010	0.012	16	1.3
21008TN	04/22/2021 17:22:48	17:24:47	0.009	0.012	16	1.3
21008RW	04/22/2021 17:39:52	17:41:51	0.010	0.014	15	1.4
21008RW	04/22/2021 17:42:46	17:44:45	0.011	0.016	16	1.2
21008OI	04/22/2021 17:55:42	17:57:41	0.009	0.015	13	1.5
21008OI	04/22/2021 17:58:42	18:00:41	0.011	0.018	13	1.7
21008CT	04/22/2021 18:11:56	18:13:55	0.009	0.015	13	1.8
21008CT	04/22/2021 18:15:08	18:17:07	0.010	0.015	13	1.8
21008LS	04/22/2021 18:25:32	18:27:31	0.012	0.017	13	1.6
21008LS	04/22/2021 18:28:40	18:30:39	0.012	0.016	13	1.6
21008HK	04/22/2021 18:37:48	18:39:47	0.012	0.014	13	1.6
21008HK	04/22/2021 18:40:17	18:42:16	0.013	0.014	13	1.6
21008SJ	04/22/2021 18:52:54	18:54:53	0.011	0.013	13	1.5
21008SJ	04/22/2021 18:57:00	18:58:59	0.011	0.012	13	1.5
21008CR	04/22/2021 19:13:31	19:15:30	0.012	0.011	12	1.6
21008CR	04/22/2021 19:18:43	19:20:42	0.012	0.011	12	1.5
21008HP	04/22/2021 19:28:08	19:30:07	0.015	0.018	12	1.8
21008HP	04/22/2021 19:30:34	19:32:33	0.014	0.016	12	1.8
21008KN	04/22/2021 19:43:12	19:45:11	0.015	0.020	11	2.1
21008KN	04/22/2021 19:46:28	19:48:27	0.015	0.018	11	2.1
21008RZ	04/22/2021 20:17:53	20:19:52	0.011	0.015	12	1.6
21008RZ	04/22/2021 20:20:25	20:22:24	0.011	0.014	11	1.7
21008GU	04/22/2021 20:26:19	20:28:18	0.009	0.012	12	1.5
21008GU	04/22/2021 20:30:13	20:32:12	0.009	0.012	12	1.5
21008PG	04/22/2021 20:51:00	20:52:59	0.009	0.012	12	1.6
21008PG	04/22/2021 20:53:39	20:55:38	0.009	0.012	12	1.6
21008GM	04/22/2021 21:11:36	21:13:35	0.009	0.012	12	1.6
21008GM	04/22/2021 21:14:20	21:16:19	0.008	0.013	12	1.7
21008HW	04/22/2021 21:31:19	21:33:18	0.012	0.018	11	1.9
21008HW	04/22/2021 21:33:53	21:35:52	0.014	0.020	11	1.9
21008GH	04/23/2021 12:16:19	12:18:18	0.010	0.018	12	1.6
21008GH	04/23/2021 12:18:46	12:20:45	0.010	0.018	12	1.6
21008UW	04/23/2021 12:32:06	12:34:05	0.008	0.013	13	1.4
21008UW	04/23/2021 12:34:56	12:36:55	0.009	0.012	13	1.4
21008KP	04/23/2021 12:45:51	12:47:50	0.010	0.013	13	1.4
21008KP	04/23/2021 12:50:28	12:52:27	0.010	0.012	13	1.4
21008KL	04/23/2021 13:02:49	13:04:48	0.011	0.013	12	1.7
21008KL	04/23/2021 13:06:00	13:07:59	0.011	0.013	10	1.8
21008UC	04/23/2021 13:20:12	13:22:11	0.009	0.011	12	1.6
21008UC	04/23/2021 13:22:33	13:24:32	0.008	0.011	13	1.6
21008GL	04/23/2021 13:30:48	13:32:47	0.010	0.015	12	1.8
21008GL	04/23/2021 13:34:39	13:36:38	0.010	0.016	9	2.3
21008JS	04/23/2021 13:45:53	13:47:52	0.010	0.016	12	1.7
21008JS	04/23/2021 13:48:25	13:50:24	0.010	0.018	12	1.8
21008HY	04/23/2021 14:04:17	14:06:16	0.011	0.019	13	1.6
21008HY	04/23/2021 14:07:08	14:09:07	0.011	0.019	13	1.6
21008OG	04/23/2021 14:18:43	14:20:42	0.010	0.020	13	1.8
21008OG	04/23/2021 14:25:43	14:27:07	0.009	0.017	13	1.8

GPSID	UTC Start	UTC End	Horz Prec	Vert Prec	# of SV's	PDOP
21008BA	04/23/2021 14:36:38	14:38:37	0.010	0.017	11	2.1
21008BA	04/23/2021 14:38:59	14:40:58	0.012	0.019	12	2.1
21008JU	04/23/2021 14:52:03	14:54:02	0.011	0.019	12	2.0
21008JU	04/23/2021 14:55:05	14:57:04	0.010	0.016	11	2.0
21008AZ	04/23/2021 15:08:44	15:10:43	0.010	0.015	13	1.5
21008AZ	04/23/2021 15:11:07	15:13:06	0.011	0.017	12	1.6
21008FQ	04/23/2021 15:24:31	15:26:30	0.010	0.014	12	1.6
21008FQ	04/23/2021 15:27:50	15:29:49	0.013	0.017	12	1.6
21008HT	04/23/2021 15:40:18	15:42:17	0.014	0.020	12	1.8
21008HT	04/23/2021 15:43:42	15:45:41	0.015	0.021	12	1.8
21008ID	04/23/2021 15:57:42	15:59:41	0.012	0.017	12	1.9
21008ID	04/23/2021 16:00:09	16:02:08	0.014	0.021	12	1.9
21008FR	04/23/2021 16:12:03	16:14:02	0.013	0.020	12	2.0
21008FR	04/23/2021 16:15:12	16:17:11	0.013	0.020	13	1.7
21008PD	04/23/2021 16:31:17	16:33:16	0.010	0.016	13	1.8
21008PD	04/23/2021 16:33:42	16:35:41	0.011	0.018	13	1.8
21008SW	04/23/2021 16:53:09	16:55:09	0.010	0.015	11	2.5
21008SW	04/23/2021 16:55:40	16:57:39	0.010	0.015	13	1.7
21008FS	04/23/2021 17:06:10	17:08:09	0.009	0.014	13	1.7
21008FS	04/23/2021 17:10:16	17:12:15	0.008	0.012	12	1.8
21008NO	04/23/2021 17:39:01	17:41:00	0.011	0.019	13	1.6
21008NO	04/23/2021 17:42:07	17:44:06	0.011	0.019	11	1.7
21008PY	04/23/2021 17:50:36	17:52:35	0.010	0.017	11	1.8
21008PY	04/23/2021 17:53:50	17:55:49	0.010	0.017	11	1.8
21008AX	04/23/2021 18:06:56	18:08:55	0.013	0.018	11	1.9
21008AX	04/23/2021 18:09:29	18:11:28	0.011	0.017	12	1.9
21008LB	04/23/2021 18:26:49	18:28:48	0.012	0.017	11	2.0
21008LB	04/23/2021 18:30:40	18:32:39	0.012	0.018	11	2.0
21008KG	04/23/2021 18:46:09	18:48:08	0.012	0.015	12	1.7
21008KG	04/23/2021 18:49:04	18:51:03	0.012	0.015	12	1.7
21008KX	04/23/2021 19:01:35	19:03:34	0.012	0.015	13	1.5
21008KX	04/23/2021 19:04:20	19:06:19	0.011	0.015	13	1.4
21008SR	04/23/2021 19:13:03	19:15:02	0.010	0.012	13	1.4
21008SR	04/23/2021 19:16:00	19:17:59	0.010	0.013	13	1.4
21008IH	04/23/2021 19:28:45	19:30:44	0.011	0.014	12	1.5
21008IH	04/23/2021 19:31:51	19:33:50	0.012	0.015	12	1.5
21008FX	04/23/2021 19:45:38	19:47:37	0.010	0.014	12	1.8
21008FX	04/23/2021 19:48:15	19:50:14	0.011	0.015	12	1.8
21008PI	04/23/2021 19:58:52	20:00:51	0.009	0.013	12	2.0
21008PI	04/23/2021 20:01:22	20:03:21	0.010	0.015	11	2.1
21008SM	04/23/2021 20:19:44	20:21:43	0.011	0.016	11	1.9
21008SM	04/23/2021 20:22:16	20:24:15	0.011	0.016	12	1.6
21008AW	04/23/2021 20:35:01	20:37:00	0.009	0.014	13	1.5
21008AW	04/23/2021 20:37:25	20:39:24	0.009	0.014	13	1.5
21008AW	04/23/2021 20:40:55	20:42:54	0.008	0.014	13	1.5
21008SV	04/23/2021 20:52:38	20:54:37	0.008	0.013	13	1.5
21008SV	04/23/2021 20:56:28	20:58:27	0.008	0.013	14	1.5
21008QJ	04/23/2021 21:14:32	21:16:31	0.008	0.014	13	1.6
21008QJ	04/23/2021 21:17:25	21:19:24	0.008	0.014	13	1.5
21008UR	04/23/2021 21:29:47	21:31:46	0.009	0.015	13	1.4
21008UR	04/23/2021 21:33:19	21:35:18	0.010	0.015	12	1.4
21008HJ	04/23/2021 21:47:34	21:49:33	0.009	0.013	15	1.1
21008HJ	04/23/2021 21:50:12	21:52:11	0.010	0.015	14	1.3
21008DR	04/23/2021 22:03:15	22:05:14	0.010	0.014	13	1.4
21008DR	04/23/2021 22:06:50	22:08:49	0.012	0.016	13	1.4
21008FU	04/23/2021 22:16:11	22:18:10	0.010	0.015	11	1.6
21008FU	04/23/2021 22:19:23	22:21:22	0.013	0.016	11	1.6
21008FT	04/23/2021 22:34:06	22:36:05	0.011	0.015	11	2.0
21008FT	04/23/2021 22:37:51	22:39:50	0.010	0.015	12	1.7
21008NE	04/23/2021 22:52:10	22:54:09	0.011	0.019	10	2.3
21008NE	04/23/2021 22:54:30	22:56:29	0.012	0.020	9	2.9
21008RC	04/23/2021 23:02:12	23:04:11	0.016	0.024	10	2.4
21008RC	04/23/2021 23:05:22	23:07:21	0.018	0.034	9	2.4
21008DP	04/24/2021 12:14:19	12:17:07	0.008	0.010	11	1.7

GPSID	UTC Start	UTC End	Horz Prec	Vert Prec	# of SV's	PDOP
21008DP	04/24/2021 12:17:39	12:19:38	0.007	0.009	12	1.5
21008JV	04/24/2021 12:30:09	12:32:08	0.008	0.009	12	1.5
21008JV	04/24/2021 12:33:23	12:35:22	0.007	0.010	11	1.7
21008SZ	04/24/2021 12:46:53	12:48:52	0.010	0.011	11	1.5
21008SZ	04/24/2021 12:49:34	12:51:33	0.010	0.011	11	1.6
21008NM	04/24/2021 12:57:09	12:59:08	0.009	0.011	11	1.7
21008NM	04/24/2021 12:59:53	13:01:52	0.009	0.012	11	1.7
21008QD	04/24/2021 13:12:01	13:14:00	0.011	0.015	11	1.6
21008QD	04/24/2021 13:15:30	13:17:29	0.010	0.014	12	1.5
21008NK	04/24/2021 13:33:14	13:35:13	0.009	0.013	12	1.6
21008NK	04/24/2021 13:35:49	13:37:48	0.007	0.011	12	1.7
21008SH	04/24/2021 13:49:44	13:51:43	0.008	0.014	11	2.0
21008SH	04/24/2021 13:52:04	13:54:03	0.008	0.015	11	2.1
21008NX	04/24/2021 14:00:30	14:02:29	0.008	0.015	12	1.6
21008NX	04/24/2021 14:03:28	14:05:27	0.007	0.015	13	1.6
21008BB	04/24/2021 14:13:09	14:15:08	0.009	0.017	13	1.6
21008BB	04/24/2021 14:16:16	14:18:15	0.008	0.015	13	1.6
21008QW	04/24/2021 14:34:26	14:36:25	0.009	0.019	11	2.4
21008QW	04/24/2021 14:38:11	14:40:10	0.009	0.021	11	2.3
21008TW	04/24/2021 14:50:37	14:52:36	0.011	0.025	11	2.2
21008TW	04/24/2021 14:54:17	14:56:16	0.008	0.018	11	2.1
21008SX	04/24/2021 15:07:14	15:09:13	0.007	0.011	13	1.6
21008SX	04/24/2021 15:10:56	15:12:55	0.007	0.011	13	1.5
21008GE	04/24/2021 15:39:06	15:41:05	0.009	0.014	11	1.9
21008GE	04/24/2021 15:42:34	15:44:33	0.010	0.015	11	1.9
21008GO	04/24/2021 16:00:14	16:02:13	0.012	0.019	12	1.7
21008GO	04/24/2021 16:03:45	16:05:44	0.010	0.017	13	1.6
21008MF	04/24/2021 16:15:37	16:17:37	0.012	0.019	12	2.0
21008MF	04/24/2021 16:19:06	16:21:05	0.011	0.016	13	1.7
21008GF	04/24/2021 16:28:47	16:30:46	0.011	0.017	15	1.3
21008GF	04/24/2021 16:34:59	16:36:58	0.010	0.016	14	1.6
21008SQ	04/24/2021 16:45:41	16:47:40	0.009	0.016	14	1.5
21008SQ	04/24/2021 16:49:37	16:51:36	0.009	0.015	14	1.6
21008PV	04/24/2021 17:01:17	17:03:16	0.008	0.013	14	1.7
21008PV	04/24/2021 17:04:32	17:05:54	0.008	0.013	15	1.5
21008BC	04/24/2021 17:15:25	17:17:24	0.009	0.014	15	1.5
21008BC	04/24/2021 17:18:22	17:20:21	0.010	0.014	15	1.5
21008MR	04/24/2021 17:30:03	17:32:02	0.008	0.013	17	1.2
21008MR	04/24/2021 17:32:51	17:34:50	0.009	0.014	16	1.3
21008FV	04/24/2021 17:45:32	17:47:31	0.009	0.014	15	1.3
21008FV	04/24/2021 17:47:51	17:49:50	0.008	0.013	15	1.3
21008JK	04/24/2021 17:54:27	17:56:26	0.008	0.013	15	1.3
21008JK	04/24/2021 17:57:10	17:59:09	0.008	0.013	15	1.3
21008FW	04/24/2021 18:14:17	18:16:16	0.008	0.011	14	1.3
21008FW	04/24/2021 18:18:07	18:20:06	0.007	0.010	14	1.7
21008AY	04/24/2021 18:31:21	18:33:20	0.009	0.010	15	1.7
21008AY	04/24/2021 18:34:34	18:36:33	0.009	0.011	15	1.7
21008NS	04/24/2021 18:50:14	18:52:13	0.008	0.009	14	1.6
21008NS	04/24/2021 18:53:09	18:55:08	0.007	0.009	14	1.5
21008BD	04/24/2021 19:05:23	19:07:22	0.008	0.008	14	1.3
21008BD	04/24/2021 19:09:26	19:11:25	0.007	0.008	13	1.3
21008SK	04/24/2021 19:31:57	19:33:56	0.009	0.010	13	1.4
21008SK	04/24/2021 19:34:15	19:36:14	0.008	0.010	12	1.5
21008LE	04/24/2021 19:41:38	19:43:37	0.008	0.012	12	1.8
21008LE	04/24/2021 19:46:08	19:48:07	0.008	0.010	13	1.5
21008PB	04/24/2021 19:58:30	20:00:29	0.007	0.011	15	1.2
21008PB	04/24/2021 20:01:08	20:03:07	0.008	0.011	15	1.2
21008NB	04/24/2021 20:11:34	20:13:33	0.008	0.012	14	1.4
21008NB	04/24/2021 20:14:42	20:16:41	0.008	0.011	14	1.4
21008DS	04/24/2021 20:23:27	20:25:26	0.007	0.010	14	1.5
21008DS	04/24/2021 20:26:09	20:28:08	0.007	0.010	14	1.5
21008KD	04/24/2021 20:37:09	20:39:42	0.008	0.013	14	1.5
21008KD	04/24/2021 20:40:49	20:42:48	0.008	0.012	14	1.5
21008BF	04/24/2021 20:58:26	21:00:25	0.010	0.016	13	1.6

GPSID	UTC Start	UTC End	Horz Prec	Vert Prec	# of SV's	PDOP
21008BF	04/24/2021 21:02:32	21:04:31	0.009	0.016	12	1.8
21008DQ	04/24/2021 21:22:37	21:24:36	0.008	0.010	12	1.7
21008DQ	04/24/2021 21:25:20	21:27:19	0.007	0.011	12	1.7
21008JO	04/24/2021 21:36:41	21:38:40	0.009	0.011	13	1.4
21008JO	04/24/2021 21:39:01	21:41:00	0.007	0.009	11	1.5
21008MA	04/24/2021 21:55:18	21:57:17	0.006	0.008	12	1.4
21008MA	04/24/2021 22:00:33	22:02:32	0.010	0.012	12	1.4
21008LY	04/24/2021 22:12:00	22:13:59	0.010	0.011	11	1.6
21008LY	04/24/2021 22:14:54	22:16:53	0.011	0.011	12	1.5
21008IQ	04/24/2021 22:24:05	22:26:04	0.011	0.013	11	1.9
21008IQ	04/24/2021 22:26:48	22:27:21	0.015	0.017	11	1.9
21008QN	04/24/2021 22:36:58	22:38:57	0.013	0.013	12	1.7
21008QN	04/24/2021 22:39:31	22:41:30	0.012	0.014	10	2.0
21008JF	04/24/2021 22:46:34	22:48:33	0.011	0.014	11	2.0
21008JF	04/24/2021 22:49:58	22:51:57	0.011	0.014	10	2.2
21008DO	04/24/2021 23:00:16	23:02:15	0.011	0.016	10	2.3
21008DO	04/24/2021 23:04:32	23:06:31	0.009	0.015	11	1.9
21008BG	04/24/2021 23:17:33	23:19:32	0.009	0.011	14	1.5
21008BG	04/24/2021 23:20:01	23:22:00	0.007	0.010	14	1.5
21008IE	04/24/2021 23:30:30	23:32:29	0.006	0.008	12	1.9
21008IE	04/24/2021 23:32:59	23:34:58	0.007	0.009	13	1.7
21008OA	04/24/2021 23:43:32	23:45:31	0.007	0.015	13	2.0
21008OA	04/24/2021 23:47:03	23:49:02	0.008	0.015	12	2.0
21008DU	04/25/2021 12:09:37	12:11:36	0.011	0.015	11	1.7
21008DU	04/25/2021 12:12:16	12:14:15	0.012	0.016	11	1.6
21008OZ	04/25/2021 12:24:27	12:26:26	0.009	0.012	13	1.3
21008OZ	04/25/2021 12:26:49	12:28:48	0.010	0.013	12	1.4
21008IS	04/25/2021 12:34:26	12:36:25	0.010	0.014	13	1.3
21008IS	04/25/2021 12:36:49	12:38:48	0.011	0.013	13	1.3
21008OO	04/25/2021 12:46:55	12:48:55	0.010	0.013	12	1.5
21008OO	04/25/2021 12:49:16	12:51:15	0.011	0.014	10	1.7
21008JG	04/25/2021 13:01:06	13:03:05	0.013	0.016	10	1.7
21008JG	04/25/2021 13:03:42	13:05:41	0.012	0.015	11	1.6
21008LO	04/25/2021 13:27:53	13:29:52	0.011	0.017	11	1.7
21008LO	04/25/2021 13:30:36	13:32:35	0.011	0.018	11	1.7
21008RH	04/25/2021 13:40:52	13:42:51	0.012	0.022	11	2.0
21008RH	04/25/2021 13:43:24	13:45:23	0.011	0.020	11	2.1
21008ME	04/25/2021 13:50:20	13:52:19	0.012	0.021	12	2.2
21008ME	04/25/2021 13:53:45	13:55:44	0.012	0.023	12	1.6
21008UE	04/25/2021 14:04:40	14:06:39	0.011	0.020	13	1.6
21008UE	04/25/2021 14:07:27	14:09:26	0.011	0.021	13	1.6
21008BI	04/25/2021 14:24:41	14:26:40	0.010	0.020	13	1.8
21008BI	04/25/2021 14:27:17	14:29:16	0.010	0.020	13	1.8
21008JR	04/25/2021 14:37:15	14:39:14	0.009	0.021	12	2.1
21008JR	04/25/2021 14:39:46	14:41:45	0.010	0.020	12	2.1
21008NV	04/25/2021 14:59:35	15:01:34	0.009	0.016	12	1.7
21008NV	04/25/2021 15:02:51	15:04:50	0.009	0.016	10	1.6
21008DT	04/25/2021 15:14:28	15:16:27	0.009	0.013	15	1.3
21008DT	04/25/2021 15:17:04	15:19:03	0.009	0.016	15	1.3
21008UO	04/25/2021 15:24:10	15:26:11	0.009	0.015	13	1.6
21008UO	04/25/2021 15:26:56	15:28:55	0.010	0.015	13	1.6
21008MZ	04/25/2021 15:33:08	15:35:07	0.009	0.014	13	1.6
21008MZ	04/25/2021 15:35:47	15:37:46	0.010	0.015	12	1.7
21008SU	04/25/2021 15:43:37	15:45:36	0.010	0.015	14	1.3
21008SU	04/25/2021 15:46:10	15:48:09	0.010	0.014	13	1.4
21008MN	04/25/2021 15:54:06	15:56:05	0.008	0.011	14	1.4
21008MN	04/25/2021 15:57:31	15:59:30	0.008	0.011	14	1.4
21008BE	04/25/2021 16:08:25	16:10:24	0.008	0.011	14	1.4
21008BE	04/25/2021 16:10:57	16:12:56	0.008	0.011	14	1.4
21008KT	04/25/2021 16:19:47	16:21:46	0.008	0.010	15	1.3
21008KT	04/25/2021 16:22:35	16:24:34	0.009	0.013	15	1.3
21008LI	04/25/2021 16:36:18	16:38:17	0.009	0.012	15	1.3
21008LI	04/25/2021 16:39:32	16:41:31	0.009	0.012	16	1.3
21008NL	04/25/2021 16:57:26	16:59:25	0.007	0.011	15	1.5

GPSID	UTC Start	UTC End	Horz Prec	Vert Prec	# of SV's	PDOP
21008NL	04/25/2021 17:02:09	17:04:08	0.007	0.010	15	1.5
21008RX	04/25/2021 17:12:54	17:14:53	0.008	0.012	15	1.5
21008RX	04/25/2021 17:15:26	17:17:25	0.010	0.013	16	1.5
21008KJ	04/25/2021 17:23:09	17:25:08	0.009	0.013	17	1.3
21008KJ	04/25/2021 17:25:49	17:27:48	0.009	0.013	17	1.3
21008BJ	04/25/2021 17:39:19	17:41:53	0.008	0.012	16	1.3
21008BJ	04/25/2021 17:42:24	17:44:23	0.009	0.012	16	1.3
21008TV	04/25/2021 17:48:48	17:50:47	0.008	0.011	16	1.3
21008TV	04/25/2021 17:52:06	17:54:05	0.007	0.010	17	1.2
21008PH	04/25/2021 18:02:16	18:04:15	0.009	0.013	15	1.4
21008PH	04/25/2021 18:04:58	18:06:57	0.009	0.013	15	1.4
21008PQ	04/25/2021 18:13:34	18:15:33	0.009	0.012	16	1.3
21008PQ	04/25/2021 18:16:18	18:18:17	0.009	0.012	16	1.3
21008KA	04/25/2021 18:24:10	18:26:09	0.010	0.013	15	1.4
21008KA	04/25/2021 18:26:39	18:28:38	0.009	0.012	16	1.3
21008TD	04/25/2021 18:42:26	18:44:25	0.009	0.011	15	1.4
21008TD	04/25/2021 18:45:23	18:47:22	0.010	0.011	15	1.3
21008BK	04/25/2021 19:20:47	19:24:36	0.010	0.013	13	1.4
21008BK	04/25/2021 19:25:24	19:27:23	0.011	0.015	14	1.4
21008RS	04/25/2021 19:38:43	19:40:42	0.009	0.014	13	1.5
21008RS	04/25/2021 19:41:34	19:43:33	0.011	0.016	14	1.3
21008FZ	04/25/2021 19:56:50	19:58:49	0.009	0.011	15	1.2
21008FZ	04/25/2021 19:59:27	20:01:26	0.009	0.012	15	1.2
21008FY	04/25/2021 20:12:19	20:14:18	0.009	0.012	14	1.4
21008FY	04/25/2021 20:16:34	20:18:33	0.008	0.011	14	1.4
21008AD	04/29/2021 11:51:14	11:53:13	0.009	0.012	15	1.3
21008AD	04/29/2021 11:53:41	11:55:40	0.008	0.012	14	1.3
21008EG	04/29/2021 12:04:39	12:06:38	0.010	0.012	14	1.4
21008EG	04/29/2021 12:07:01	12:09:00	0.011	0.014	13	1.4
21008LT	04/29/2021 12:16:14	12:18:13	0.009	0.013	13	1.4
21008LT	04/29/2021 12:18:38	12:20:37	0.011	0.015	14	1.4
21008EH	04/29/2021 12:28:10	12:30:09	0.011	0.015	14	1.4
21008EH	04/29/2021 12:30:35	12:32:34	0.011	0.016	13	1.5
21008OL	04/29/2021 12:39:24	12:41:23	0.012	0.017	13	1.5
21008OL	04/29/2021 12:41:53	12:43:52	0.012	0.016	12	1.9
21008AO	04/29/2021 12:50:30	12:52:29	0.013	0.019	11	2.1
21008AO	04/29/2021 12:52:51	12:54:50	0.013	0.021	11	2.1
21008SE	04/29/2021 13:06:27	13:08:26	0.013	0.022	11	2.2
21008SE	04/29/2021 13:09:20	13:11:19	0.012	0.021	11	2.2
21008AQ	04/29/2021 13:34:11	13:36:10	0.016	0.028	12	2.4
21008AQ	04/29/2021 13:36:36	13:38:35	0.016	0.027	13	1.5
21008LN	04/29/2021 13:49:24	13:51:39	0.013	0.026	8	1.4
21008LN	04/29/2021 13:52:09	13:54:08	0.010	0.015	14	1.4
21008AA	04/29/2021 14:01:49	14:04:05	0.014	0.023	13	1.6
21008AA	04/29/2021 14:04:35	14:06:34	0.014	0.022	13	1.6
21008IG	04/29/2021 14:14:30	14:16:29	0.011	0.019	13	1.7
21008IG	04/29/2021 14:16:53	14:18:52	0.013	0.020	13	1.7
21008AS	04/29/2021 14:36:56	14:39:33	0.009	0.014	15	1.3
21008AS	04/29/2021 14:41:42	14:43:41	0.008	0.013	15	1.3
21008QB	04/29/2021 14:57:26	14:59:25	0.011	0.015	16	1.2
21008QB	04/29/2021 14:59:55	15:01:54	0.012	0.016	15	1.3
21008ED	04/29/2021 15:06:02	15:08:01	0.013	0.018	14	1.5
21008ED	04/29/2021 15:08:48	15:10:47	0.013	0.020	13	1.7
21008OW	04/29/2021 15:22:54	15:24:53	0.011	0.016	14	1.6
21008OW	04/29/2021 15:26:23	15:28:22	0.012	0.017	15	1.4
21008GK	04/29/2021 15:46:09	15:48:08	0.013	0.018	14	1.5
21008GK	04/29/2021 15:48:38	15:50:37	0.014	0.018	15	1.4
21008JQ	04/29/2021 16:14:43	16:16:42	0.014	0.017	16	1.3
21008JQ	04/29/2021 16:17:10	16:19:09	0.013	0.017	16	1.3
21008IJ	04/29/2021 16:28:07	16:30:06	0.014	0.019	15	1.6
21008IJ	04/29/2021 16:30:34	16:32:33	0.012	0.016	15	1.6
21008MG	04/29/2021 16:41:49	16:43:48	0.010	0.015	15	1.6
21008MG	04/29/2021 16:44:12	16:46:11	0.010	0.014	15	1.6
21008MW	04/29/2021 16:51:57	16:53:56	0.010	0.016	16	1.5

GPSID	UTC Start	UTC End	Horz Prec	Vert Prec	# of SV's	PDOP
21008MW	04/29/2021 16:54:24	16:56:23	0.010	0.014	16	1.5
21008AT	04/29/2021 17:07:17	17:09:16	0.009	0.015	17	1.4
21008AT	04/29/2021 17:09:40	17:11:39	0.011	0.016	17	1.4
21008KH	04/29/2021 17:18:23	17:20:22	0.010	0.016	17	1.3
21008KH	04/29/2021 17:20:46	17:22:45	0.012	0.018	16	1.3
21008UJ	04/29/2021 17:32:01	17:34:00	0.010	0.015	16	1.3
21008UJ	04/29/2021 17:34:26	17:36:25	0.011	0.017	15	1.4
21008EE	04/29/2021 17:41:56	17:43:55	0.012	0.017	15	1.4
21008EE	04/29/2021 17:44:16	17:46:15	0.011	0.016	15	1.4
21008IZ	04/29/2021 17:52:53	17:54:52	0.012	0.017	15	1.6
21008IZ	04/29/2021 17:55:16	17:57:15	0.012	0.016	15	1.6
21008NH	04/29/2021 18:03:12	18:05:11	0.013	0.016	16	1.3
21008NH	04/29/2021 18:05:38	18:07:37	0.013	0.016	15	1.4
21008AB	04/29/2021 18:12:44	18:14:43	0.013	0.015	16	1.3
21008AB	04/29/2021 18:15:09	18:17:08	0.013	0.014	16	1.3
21008EC	04/29/2021 18:32:55	18:34:54	0.013	0.014	14	1.4
21008EC	04/29/2021 18:35:16	18:37:15	0.014	0.014	14	1.4
21008UA	04/29/2021 18:47:36	18:49:35	0.013	0.016	13	1.4
21008UA	04/29/2021 18:49:56	18:51:55	0.013	0.015	13	1.4
21008OE	04/29/2021 18:55:45	18:57:44	0.012	0.015	14	1.3
21008OE	04/29/2021 18:58:10	19:00:09	0.012	0.015	14	1.3
21008AR	04/29/2021 19:05:59	19:08:01	0.013	0.017	14	1.3
21008AR	04/29/2021 19:08:22	19:10:21	0.015	0.019	14	1.3
21008EF	04/29/2021 19:17:38	19:19:37	0.016	0.020	12	1.7
21008EF	04/29/2021 19:20:22	19:22:21	0.015	0.019	12	1.8
21008AC	04/29/2021 19:32:19	19:34:36	0.013	0.018	12	1.9
21008AC	04/29/2021 19:35:26	19:37:25	0.012	0.015	12	1.5
21008OH	04/30/2021 22:07:40	22:11:13	0.007	0.010	10	2.0
21008OH	04/30/2021 22:11:55	22:13:54	0.008	0.011	11	1.8
21008AP	04/30/2021 22:44:34	22:46:33	0.008	0.012	12	1.6
21008AP	04/30/2021 22:48:05	22:50:04	0.007	0.011	13	1.4
21008EJ	04/30/2021 23:11:00	23:12:59	0.008	0.012	12	1.6
21008EJ	04/30/2021 23:13:21	23:15:20	0.007	0.015	11	2.0
21008AF	04/30/2021 23:33:55	23:35:58	0.007	0.015	11	2.2
21008AF	04/30/2021 23:36:18	23:38:17	0.007	0.018	13	1.6
21008AN	04/30/2021 23:44:43	23:46:42	0.007	0.013	13	1.6
21008AN	04/30/2021 23:47:07	23:49:07	0.007	0.012	14	1.6
21008KO	04/30/2021 23:54:22	23:56:21	0.008	0.018	14	1.6
21008KO	04/30/2021 23:56:43	23:58:42	0.008	0.017	13	1.8
21008AI	05/01/2021 11:18:40	11:20:39	0.008	0.017	12	1.7
21008AI	05/01/2021 11:21:02	11:23:01	0.008	0.015	12	1.7
21008HI	05/01/2021 11:50:22	11:52:21	0.009	0.010	12	1.4
21008HI	05/01/2021 11:52:44	11:54:43	0.010	0.011	13	1.4
21008AV	05/01/2021 12:05:03	12:07:02	0.007	0.010	14	1.3
21008AV	05/01/2021 12:07:24	12:09:23	0.009	0.011	14	1.3
21008IR	05/01/2021 12:23:31	12:25:30	0.009	0.010	14	1.3
21008IR	05/01/2021 12:25:55	12:27:54	0.010	0.010	14	1.3
21008EM	05/01/2021 12:34:19	12:36:18	0.011	0.013	13	1.5
21008EM	05/01/2021 12:36:40	12:38:39	0.011	0.013	13	1.5
21008EL	05/01/2021 12:48:20	12:50:19	0.012	0.016	12	1.6
21008EL	05/01/2021 12:50:44	12:52:43	0.012	0.015	13	1.6
21008MS	05/01/2021 13:07:33	13:09:32	0.012	0.019	13	1.6
21008MS	05/01/2021 13:09:53	13:11:52	0.014	0.023	13	1.6
21008AU	05/01/2021 13:16:37	13:18:39	0.011	0.020	13	1.8
21008AU	05/01/2021 13:18:56	13:20:55	0.013	0.025	13	1.8
21008OK	05/01/2021 13:23:48	13:25:51	0.012	0.022	13	1.9
21008OK	05/01/2021 13:26:11	13:28:10	0.013	0.021	14	1.5
21008QA	05/01/2021 13:41:45	13:43:44	0.010	0.017	14	1.7
21008QA	05/01/2021 13:44:02	13:46:01	0.011	0.020	14	1.7
21008EK	05/01/2021 13:53:43	13:55:42	0.011	0.021	13	1.9
21008EK	05/01/2021 13:56:16	13:58:15	0.011	0.022	12	2.1
21008AG	05/01/2021 14:08:40	14:10:39	0.010	0.021	13	1.9
21008AG	05/01/2021 14:11:02	14:13:01	0.010	0.020	13	1.9
21008UP	05/01/2021 14:24:06	14:26:10	0.010	0.018	15	1.4

GPSID	UTC Start	UTC End	Horz Prec	Vert Prec	# of SV's	PDOP
21008UP	05/01/2021 14:26:34	14:28:33	0.011	0.018	15	1.4
21008HZ	05/01/2021 14:36:07	14:38:06	0.010	0.014	16	1.3
21008HZ	05/01/2021 14:39:45	14:41:45	0.010	0.014	16	1.3
21008HN	05/01/2021 14:45:14	14:47:13	0.009	0.015	16	1.2
21008HN	05/01/2021 14:48:37	14:50:36	0.010	0.015	16	1.2
21008AH	05/01/2021 15:02:15	15:04:14	0.009	0.013	14	1.5
21008AH	05/01/2021 15:04:38	15:06:37	0.009	0.013	14	1.5
21008OS	05/01/2021 15:13:19	15:15:18	0.008	0.013	14	1.5
21008OS	05/01/2021 15:15:44	15:17:43	0.008	0.013	14	1.6
21008ND	05/01/2021 15:25:44	15:27:47	0.009	0.014	16	1.3
21008ND	05/01/2021 15:28:14	15:30:13	0.011	0.017	15	1.4
21008AL	05/01/2021 15:37:16	15:39:15	0.011	0.018	15	1.4
21008AL	05/01/2021 15:39:36	15:41:38	0.011	0.016	11	1.6
21008EN	05/01/2021 15:54:53	15:56:52	0.009	0.014	13	1.7
21008EN	05/01/2021 15:57:17	15:59:16	0.010	0.015	13	1.8
21008AM	05/01/2021 16:11:07	16:13:06	0.009	0.014	14	1.6
21008AM	05/01/2021 16:13:28	16:15:28	0.011	0.016	11	1.8
21008SO	05/01/2021 16:23:23	16:25:22	0.009	0.013	16	1.4
21008SO	05/01/2021 16:25:45	16:27:44	0.009	0.013	15	1.5
21008AK	05/01/2021 16:34:02	16:36:01	0.008	0.013	14	2.0
21008AK	05/01/2021 16:36:24	16:38:23	0.008	0.015	15	1.6
21008EB	05/01/2021 17:01:18	17:03:17	0.010	0.015	15	1.5
21008EB	05/01/2021 17:03:39	17:05:38	0.010	0.015	15	1.4
21008IA	05/01/2021 17:14:04	17:16:03	0.010	0.016	11	1.8
21008IA	05/01/2021 17:16:31	17:18:30	0.011	0.017	12	1.6
21008AJ	05/01/2021 17:30:35	17:32:34	0.011	0.017	13	1.5
21008AJ	05/01/2021 17:32:57	17:34:56	0.011	0.018	10	2.2
21008QI	05/01/2021 17:41:21	17:43:20	0.011	0.016	13	1.8
21008QI	05/01/2021 17:43:40	17:45:39	0.012	0.018	13	1.8
21008SB	05/01/2021 18:04:40	18:06:39	0.012	0.015	13	1.8
21008SB	05/01/2021 18:07:01	18:09:00	0.011	0.014	13	1.7
21008EI	05/01/2021 18:13:01	18:15:00	0.010	0.014	14	1.5
21008EI	05/01/2021 18:15:21	18:17:20	0.013	0.016	14	1.5
21008AE	05/01/2021 18:31:28	18:33:27	0.010	0.012	13	1.4
21008AE	05/01/2021 18:33:56	18:35:55	0.012	0.014	13	1.4

As mentioned, each station was occupied twice (or more if needed) in succession. The Earth Centered Earth Fixed (ECEF) vector differences were rotated into a local horizon system (N, E, Up) for analysis. Stations which had observations that differed by more than 0.03 m in the vertical component were re-observed until agreement was achieved. Figure 4 summarizes the repeat baseline analysis.

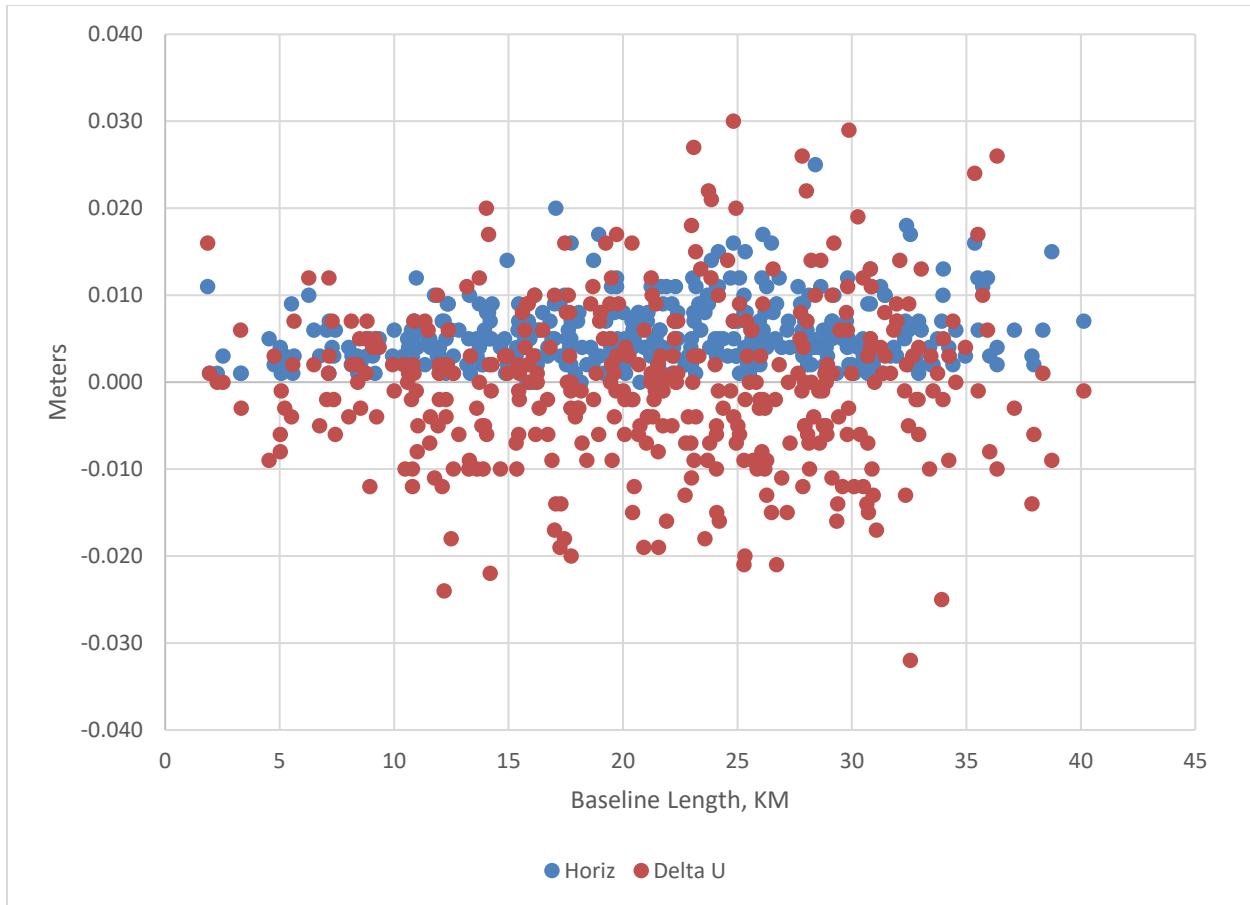


Figure 3 - Repeat Baseline Analysis

LEAST SQUARES ADJUSTMENTS

Geolab was used to adjust the VRS/RTK vectors. No scaling of the a priori GPS statistics was done. Station errors (centering, HI and HT) of 0.005 m were input. The GEOID18 model was used.

The adjustment constrained the VRS CORS positions (as computed and broadcast by the network) in all three dimensions (NAD83 (2011) latitude, longitude, and ellipsoidal height). The error factor was 0.09. This adjustment provided the adjusted positions (NAD83 (2011) epoch 2010.0) and GPS derived orthometric heights (NAVD88) for the stations in the network. The adjusted latitude/longitudes were transformed to UTM Zone 14 grid coordinates. At the request of the client, the positions were also transformed to NAD83 (NSRS2007) using the NGS Coordinate Conversion and Transformation (NCAT) tool.

SUMMARY

A LiDAR ground control network was established in central North Dakota. The estimated accuracy of the control network is ± 0.05 m with respect to the NAD83 (2011) epoch 2010.0 reference frame and the NAVD88 vertical datum (using GEOID18). Table 5 lists the NAD83 (2011) and NAD83 (NSRS2007) UTM Zone 14 coordinates, NAVD88 GPS derived orthometric heights, NAD83 (2011) ellipsoidal heights, and the vertical accuracies at the 95% confidence level, in meters.

Table 4 – Adjusted Coordinates and Elevations (meters)

Station Name	GPSID	NAD83 (2011)		NAD83 (NSRS2007)		Ellip H	NAVD88 Ortho H	Vertical Accuracy
		UTM14 Northing	UTM14 Easting	UTM14 Northing	UTM14 Easting			
GCP001	21008AA	5378939.069	349539.166	5378939.069	349539.148	434.911	456.181	0.010
GCP002	21008AB	5378358.501	373679.362	5378358.501	373679.346	415.770	437.344	0.007
GCP003	21008AC	5379275.730	404174.692	5379275.729	404174.673	429.164	450.687	0.008
GCP004	21008AD	5345691.606	352353.041	5345691.604	352353.023	449.797	470.703	0.006
GCP005	21008AE	5345765.784	382492.340	5345765.781	382492.329	442.553	464.137	0.006
GCP006	21008AF	5346937.134	404962.551	5346937.133	404962.534	445.359	467.083	0.008
GCP007	21008AG	5317350.822	356078.020	5317350.821	356077.999	484.117	505.159	0.009
GCP008	21008AH	5316804.706	376905.788	5316804.704	376905.771	470.455	492.005	0.006
GCP009	21008AI	5316202.015	405829.073	5316202.016	405829.056	458.175	480.042	0.007
GCP010	21008AJ	5334937.188	363002.394	5334937.186	363002.377	454.441	475.733	0.008
GCP011	21008AK	5332714.393	389407.482	5332714.391	389407.468	445.490	467.151	0.007
GCP012	21008AL	5323900.582	370770.992	5323900.580	370770.976	468.614	490.071	0.008
GCP013	21008AM	5326095.064	398186.688	5326095.063	398186.674	448.648	470.413	0.007
GCP014	21008AN	5351772.623	403438.721	5351772.621	403438.704	438.255	459.947	0.006
GCP015	21008AO	5355950.526	361759.983	5355950.524	361759.968	435.387	456.656	0.009
GCP016	21008AP	5365057.050	391087.369	5365057.048	391087.354	430.541	452.084	0.006
GCP017	21008AQ	5369142.930	354117.325	5369142.929	354117.308	435.179	456.398	0.012
GCP018	21008AR	5385911.387	393007.318	5385911.386	393007.301	421.870	443.378	0.008
GCP019	21008AS	5386770.934	359409.633	5386770.935	359409.616	427.602	449.103	0.007
GCP020	21008AT	5365998.041	379821.341	5365998.040	379821.328	432.972	454.496	0.007
GCP021	21008AU	5302657.681	363736.747	5302657.680	363736.727	547.508	568.692	0.010
GCP022	21008AV	5305225.553	391140.880	5305225.552	391140.862	480.379	502.095	0.005
GCP023	21008AW	5285080.898	445524.255	5285080.900	445524.236	470.025	492.668	0.006
GCP024	21008AX	5286407.821	484144.914	5286407.822	484144.896	450.205	473.811	0.008
GCP025	21008AY	5274185.266	428751.290	5274185.267	428751.271	476.044	498.432	0.006
GCP026	21008AZ	5268879.381	523152.416	5268879.383	523152.398	448.978	472.888	0.007
GCP027	21008BA	5272071.679	511896.338	5272071.680	511896.319	440.141	464.085	0.008
GCP028	21008BB	5272114.939	481558.010	5272114.940	481557.991	450.368	473.879	0.007
GCP029	21008BC	5271494.562	452712.711	5271494.562	452712.692	470.088	492.757	0.007
GCP030	21008BD	5255698.184	425328.472	5255698.184	425328.453	559.833	582.025	0.005
GCP031	21008BE	5248288.357	438113.892	5248288.358	438113.874	537.007	559.407	0.006
GCP032	21008BF	5248074.836	463817.107	5248074.836	463817.089	533.649	556.442	0.008
GCP033	21008BG	5247929.068	494246.367	5247929.069	494246.349	462.100	485.673	0.005
GCP034	21008BH	5226437.182	524298.818	5226437.182	524298.800	439.395	463.676	0.010
GCP035	21008BI	5233711.774	455569.542	5233711.774	455569.523	564.843	587.567	0.009
GCP036	21008BJ	5234024.727	432302.669	5234024.728	432302.650	576.605	599.034	0.006

Station Name	GPSID	NAD83 (2011)		NAD83 (NSRS2007)		Ellip H	NAVD88 Ortho H	Vertical Accuracy
		UTM14 Northing	UTM14 Easting	UTM14 Northing	UTM14 Easting			
GCP037	21008BK	5233929.824	417186.632	5233929.823	417186.612	580.597	602.784	0.007
GCP038	21008BL	5221458.370	415531.979	5221458.370	415531.959	553.239	575.461	0.008
GCP039	21008BM	5224381.272	431405.322	5224381.272	431405.304	540.464	562.916	0.007
GCP040	21008BN	5223910.287	474683.817	5223910.288	474683.800	563.171	586.272	0.009
GCP041	21008BO	5223813.306	503483.068	5223813.307	503483.050	446.433	470.309	0.009
GCP042	21008BP	5223824.731	509925.840	5223824.732	509925.823	446.996	471.029	0.009
GCP043	21008BQ	5212539.807	509950.837	5212539.808	509950.819	451.046	475.113	0.008
GCP044	21008BR	5177872.455	510622.009	5177872.455	510621.992	450.096	474.221	0.007
GCP045	21008BS	5156092.150	509849.162	5156092.150	509849.144	486.671	510.800	0.009
GCP046	21008BT	5156105.002	505078.973	5156105.002	505078.955	518.726	542.698	0.011
GCP047	21008BU	5156113.760	484373.530	5156113.760	484373.512	596.928	620.386	0.008
GCP048	21008BV	5156388.882	452382.506	5156388.881	452382.486	602.425	625.042	0.008
GCP049	21008BW	5155556.265	428146.958	5155556.264	428146.937	558.360	580.529	0.008
GCP050	21008BX	5203681.830	418226.736	5203681.830	418226.717	564.369	586.618	0.010
GCP051	21008BY	5203300.742	443603.362	5203300.742	443603.344	508.607	531.205	0.006
GCP052	21008BZ	5203115.142	468684.015	5203115.143	468683.997	558.277	581.244	0.006
GCP053	21008CA	5202869.710	500336.047	5202869.711	500336.030	482.870	506.668	0.009
GCP054	21008CB	5196612.348	545905.636	5196612.348	545905.617	420.929	445.702	0.009
GCP055	21008CC	5190195.571	547609.642	5190195.571	547609.624	431.683	456.408	0.008
GCP056	21008CD	5170795.876	546114.266	5170795.876	546114.248	425.314	450.057	0.009
GCP057	21008CE	5156265.730	546718.793	5156265.731	546718.774	419.305	444.098	0.006
GCP058	21008CF	5154877.703	572486.988	5154877.703	572486.970	401.527	426.637	0.007
GCP059	21008CG	5110004.856	581451.134	5110004.854	581451.116	379.079	404.362	0.008
GCP060	21008CH	5109818.622	563847.716	5109818.622	563847.697	395.346	420.366	0.008
GCP061	21008CI	5109791.498	528589.426	5109791.498	528589.405	438.991	463.224	0.008
GCP062	21008CJ	5109894.298	503194.069	5109894.297	503194.050	576.561	600.224	0.007
GCP063	21008CK	5090520.050	512434.557	5090520.049	512434.537	477.906	501.830	0.010
GCP064	21008CL	5089297.254	451171.191	5089297.253	451171.172	593.018	615.672	0.008
GCP065	21008CM	5089543.406	430194.676	5089543.404	430194.653	590.825	613.078	0.007
GCP066	21008CN	5089043.714	476990.917	5089043.714	476990.900	597.444	620.482	0.007
GCP067	21008CO	5107102.567	440171.047	5107102.565	440171.026	596.862	619.406	0.008
GCP068	21008CP	5114856.232	467602.859	5114856.231	467602.840	594.428	617.484	0.006
GCP069	21008CQ	5127095.054	506772.249	5127095.053	506772.231	580.022	603.914	0.007
GCP070	21008CR	5139997.440	492302.832	5139997.440	492302.814	584.938	608.552	0.006
GCP071	21008CS	5143623.496	436045.941	5143623.496	436045.920	579.109	601.505	0.004
GCP072	21008CT	5133622.549	475609.244	5133622.548	475609.225	587.774	611.022	0.007
GCP073	21008CU	5132092.924	456840.959	5132092.923	456840.939	613.341	636.232	0.007
GCP074	21008CV	5097024.508	498027.957	5097024.508	498027.939	577.856	601.386	0.009

Station Name	GPSID	NAD83 (2011)		NAD83 (NSRS2007)		Ellip H	NAVD88 Ortho H	Vertical Accuracy
		UTM14 Northing	UTM14 Easting	UTM14 Northing	UTM14 Easting			
GCP075	21008CW	5093797.905	573593.827	5093797.904	573593.809	373.327	398.597	0.008
GCP076	21008CX	5098552.899	522121.669	5098552.899	522121.648	445.725	469.806	0.007
GCP077	21008CY	5088768.145	546279.298	5088768.145	546279.277	400.320	424.982	0.007
GCP078	21008CZ	5103294.624	559066.075	5103294.624	559066.056	399.846	424.797	0.007
GCP079	21008DA	5127489.086	571137.758	5127489.085	571137.740	391.240	416.133	0.006
GCP080	21008DB	5146772.309	566114.020	5146772.309	566114.002	408.611	433.443	0.007
GCP081	21008DC	5149684.541	522682.917	5149684.541	522682.899	439.168	463.608	0.010
GCP082	21008DD	5128171.361	535717.896	5128171.361	535717.876	430.782	455.168	0.007
GCP083	21008DE	5137784.060	553327.409	5137784.060	553327.391	375.707	400.318	0.006
GCP084	21008DF	5131941.392	517163.293	5131941.392	517163.274	477.785	501.941	0.007
GCP085	21008DG	5168994.810	493005.611	5168994.810	493005.593	550.037	573.591	0.007
GCP086	21008DH	5169452.387	441476.076	5169452.387	441476.057	577.767	600.213	0.007
GCP087	21008DI	5181024.505	422486.608	5181024.505	422486.588	525.947	548.225	0.008
GCP088	21008DJ	5188459.286	481921.654	5188459.287	481921.637	541.246	564.458	0.005
GCP089	21008DK	5188585.483	456226.616	5188585.483	456226.599	543.301	566.070	0.006
GCP090	21008DL	5213152.606	490729.019	5213152.607	490729.001	537.335	560.819	0.008
GCP091	21008DM	5216207.874	440284.345	5216207.875	440284.327	507.472	530.052	0.007
GCP092	21008DN	5213297.961	421770.726	5213297.962	421770.707	536.967	559.283	0.010
GCP093	21008DO	5235643.274	500758.476	5235643.275	500758.458	459.663	483.401	0.007
GCP094	21008DP	5259179.736	499205.624	5259179.736	499205.607	442.080	465.736	0.005
GCP095	21008DQ	5254443.171	479925.507	5254443.172	479925.489	465.708	488.983	0.005
GCP096	21008DR	5275423.491	462348.345	5275423.491	462348.327	464.714	487.655	0.007
GCP097	21008DS	5257877.803	447797.943	5257877.803	447797.925	531.616	554.077	0.005
GCP098	21008DT	5241767.837	447632.079	5241767.838	447632.060	577.990	600.566	0.007
GCP099	21008DU	5239953.434	485931.314	5239953.434	485931.296	515.745	539.138	0.007
GCP100	21008DV	5214172.166	516339.464	5214172.167	516339.446	442.476	466.671	0.007
GCP101	21008DW	5207831.738	535647.773	5207831.738	535647.755	434.712	459.280	0.008
GCP102	21008DX	5181929.000	523038.034	5181929.000	523038.016	426.395	450.844	0.006
GCP103	21008DY	5169131.228	539666.274	5169131.228	539666.256	420.214	444.888	0.012
GCP104	21008DZ	5169276.862	555800.445	5169276.862	555800.427	418.764	443.698	0.009
GCP105	21008EA	5163022.449	575520.989	5163022.448	575520.971	405.585	430.845	0.008
GCP106	21008EB	5334600.490	377464.000	5334600.488	377463.987	452.668	474.225	0.007
GCP107	21008EC	5386262.573	380229.827	5386262.572	380229.810	425.360	446.965	0.007
GCP108	21008ED	5379636.277	356028.822	5379636.278	356028.804	431.530	452.916	0.009
GCP109	21008EE	5376553.784	381647.102	5376553.784	381647.086	421.807	443.375	0.008
GCP110	21008EF	5379456.114	392999.293	5379456.113	392999.276	423.987	445.512	0.009
GCP111	21008EG	5348060.780	355202.834	5348060.778	355202.817	447.180	468.187	0.006
GCP112	21008EH	5347821.837	363467.568	5347821.834	363467.554	439.685	460.988	0.007

Station Name	GPSID	NAD83 (2011)		NAD83 (NSRS2007)		Ellip H	NAVD88 Ortho H	Vertical Accuracy
		UTM14 Northing	UTM14 Easting	UTM14 Northing	UTM14 Easting			
GCP113	21008EI	5347555.586	374516.901	5347555.583	374516.890	441.519	463.047	0.007
GCP114	21008EJ	5347961.345	392183.497	5347961.343	392183.484	430.618	452.225	0.007
GCP115	21008EK	5302833.344	355761.194	5302833.343	355761.174	631.897	652.820	0.010
GCP116	21008EL	5303392.749	375835.107	5303392.747	375835.088	474.494	495.990	0.007
GCP117	21008EM	5303016.223	384660.567	5303016.223	384660.550	484.862	506.503	0.006
GCP118	21008EN	5323111.100	386872.033	5323111.099	386872.018	454.975	476.638	0.007
GCP119	21008EO	5224087.602	455499.205	5224087.603	455499.187	526.742	549.526	0.008
GCP120	21008EP	5217426.703	529172.610	5217426.703	529172.592	446.002	470.380	0.007
GCP121	21008EQ	5217504.412	537198.926	5217504.412	537198.909	437.513	462.055	0.008
GCP122	21008ER	5186979.009	549263.550	5186979.009	549263.532	418.979	443.677	0.007
GCP123	21008ES	5186814.571	534726.502	5186814.570	534726.484	427.718	452.367	0.007
GCP124	21008ET	5187566.072	521903.566	5187566.071	521903.549	427.698	452.141	0.005
GCP125	21008EU	5187545.765	512196.920	5187545.765	512196.902	448.830	473.030	0.006
GCP126	21008EV	5188711.394	417861.055	5188711.394	417861.035	547.057	569.320	0.006
GCP127	21008EW	5188365.512	438557.652	5188365.512	438557.635	519.407	541.922	0.006
GCP128	21008EX	5165683.225	423697.883	5165683.225	423697.862	541.553	563.735	0.009
GCP129	21008EY	5165799.619	417259.481	5165799.619	417259.460	554.983	577.095	0.011
GCP130	21008EZ	5123391.722	430251.179	5123391.721	430251.157	548.031	570.496	0.007
GCP131	21008FA	5123109.054	447523.355	5123109.053	447523.334	636.665	659.365	0.006
GCP132	21008FB	5123387.030	472395.500	5123387.029	472395.482	593.794	616.970	0.007
GCP133	21008FC	5123603.438	504375.193	5123603.437	504375.175	579.491	603.311	0.007
GCP134	21008FD	5123084.922	488520.497	5123084.922	488520.479	616.934	640.397	0.006
GCP135	21008FE	5123514.061	517284.265	5123514.061	517284.246	481.312	505.360	0.008
GCP136	21008FF	5124347.476	566967.696	5124347.476	566967.678	397.190	422.054	0.008
GCP137	21008FG	5124215.142	552780.351	5124215.142	552780.331	412.576	437.215	0.007
GCP138	21008FH	5123261.547	539968.813	5123261.546	539968.793	424.250	448.687	0.007
GCP139	21008FI	5111498.795	571840.665	5111498.794	571840.647	381.030	406.177	0.007
GCP140	21008FJ	5111558.780	578227.769	5111558.778	578227.751	380.595	405.820	0.008
GCP141	21008FK	5088211.357	576884.829	5088211.356	576884.810	375.622	400.922	0.008
GCP142	21008FL	5088854.749	560325.581	5088854.748	560325.562	387.081	412.091	0.007
GCP143	21008FM	5088856.465	530163.081	5088856.466	530163.060	427.897	452.189	0.008
GCP144	21008FN	5088952.256	501167.716	5088952.256	501167.698	627.761	651.376	0.009
GCP145	21008FO	5088887.381	517287.228	5088887.380	517287.208	451.302	475.356	0.010
GCP146	21008FP	5089483.247	485071.987	5089483.246	485071.970	568.685	591.911	0.009
GCP147	21008FQ	5273714.482	519901.126	5273714.483	519901.108	444.944	468.880	0.007
GCP148	21008FR	5273663.673	505554.240	5273663.675	505554.223	441.367	465.295	0.009
GCP149	21008FS	5273711.804	491194.478	5273711.805	491194.459	443.120	466.857	0.006
GCP150	21008FT	5273728.753	475193.424	5273728.754	475193.405	454.984	478.309	0.007

Station Name	GPSID	NAD83 (2011)		NAD83 (NSRS2007)		Ellip H	NAVD88 Ortho H	Vertical Accuracy
		UTM14 Northing	UTM14 Easting	UTM14 Northing	UTM14 Easting			
GCP151	21008FU	5273788.376	465555.664	5273788.377	465555.646	464.064	487.086	0.007
GCP152	21008FV	5273929.406	451148.359	5273929.406	451148.340	468.819	491.478	0.007
GCP153	21008FW	5273267.353	438366.884	5273267.353	438366.865	479.976	502.502	0.005
GCP154	21008FX	5289780.105	461751.476	5289780.106	461751.457	448.802	471.760	0.007
GCP155	21008FY	5240780.124	415872.887	5240780.124	415872.868	589.832	611.963	0.006
GCP156	21008FZ	5240857.721	423729.062	5240857.721	423729.043	578.673	600.939	0.006
GCP157	21008GA	5223870.245	527528.723	5223870.245	527528.705	443.945	468.280	0.010
GCP158	21008GB	5195353.278	524690.596	5195353.278	524690.579	432.253	456.734	0.005
GCP159	21008GC	5156154.616	527452.972	5156154.616	527452.954	440.122	464.644	0.009
GCP160	21008GD	5113007.059	517284.747	5113007.059	517284.727	477.492	501.461	0.009
GCP161	21008GE	5266864.086	469286.205	5266864.087	469286.186	459.212	482.284	0.007
GCP162	21008GF	5258466.666	458741.913	5258466.666	458741.895	498.478	521.186	0.008
GCP163	21008GG	5174006.519	465722.195	5174006.518	465722.176	574.699	597.639	0.006
GCP164	21008GH	5233523.492	517882.144	5233523.493	517882.127	429.552	453.686	0.008
GCP165	21008GI	5110058.492	461138.879	5110058.491	461138.861	594.305	617.231	0.006
GCP166	21008GJ	5097333.148	452939.667	5097333.147	452939.647	625.188	647.893	0.005
GCP167	21008GK	5373630.820	368719.224	5373630.819	368719.208	426.608	448.122	0.008
GCP168	21008GL	5251125.803	505587.779	5251125.804	505587.762	443.871	467.572	0.007
GCP169	21008GM	5143195.523	508275.321	5143195.522	508275.303	533.045	557.110	0.006
NVA001	21008GN	5137756.319	456918.144	5137756.318	456918.125	581.050	603.945	0.007
NVA002	21008GO	5264971.099	462283.213	5264971.100	462283.195	467.563	490.417	0.008
NVA003	21008GP	5128163.651	556423.665	5128163.651	556423.646	403.491	428.146	0.006
NVA004	21008GQ	5132854.857	566246.030	5132854.856	566246.012	396.768	421.481	0.008
NVA005	21008GR	5219741.056	421837.473	5219741.056	421837.454	543.018	565.334	0.006
NVA006	21008GS	5215906.827	468254.269	5215906.828	468254.251	552.182	575.154	0.008
NVA007	21008GT	5211345.076	444217.831	5211345.077	444217.813	514.972	537.596	0.006
NVA008	21008GU	5139981.548	498682.632	5139981.548	498682.614	582.469	606.261	0.006
NVA009	21008GV	5217560.930	463874.859	5217560.931	463874.841	540.037	562.937	0.008
NVA010	21008GW	5093767.413	502764.297	5093767.413	502764.278	614.049	637.684	0.008
NVA011	21008GX	5202914.168	487634.548	5202914.168	487634.530	543.180	566.503	0.008
NVA012	21008GY	5220664.083	530771.703	5220664.083	530771.685	445.833	470.233	0.009
NVA013	21008GZ	5100096.582	536640.724	5100096.582	536640.703	422.404	446.781	0.006
NVA014	21008HA	5219484.355	437019.135	5219484.356	437019.117	519.355	541.894	0.008
NVA015	21008HB	5162929.140	572368.022	5162929.139	572368.005	405.968	431.174	0.007
NVA016	21008HC	5133721.252	545334.744	5133721.252	545334.724	411.704	436.244	0.006
NVA017	21008HD	5122587.197	549555.990	5122587.196	549555.970	408.939	433.534	0.007
NVA018	21008HE	5110549.437	536675.300	5110549.436	536675.279	425.666	450.054	0.008
NVA019	21008HF	5095446.494	576795.644	5095446.492	576795.624	375.576	400.902	0.008

Station Name	GPSID	NAD83 (2011)		NAD83 (NSRS2007)		Ellip H	NAVD88 Ortho H	Vertical Accuracy
		UTM14 Northing	UTM14 Easting	UTM14 Northing	UTM14 Easting			
NVA020	21008HG	5174009.998	544464.690	5174009.998	544464.673	419.667	444.348	0.009
NVA021	21008HH	5128829.974	538910.162	5128829.973	538910.142	424.302	448.736	0.007
NVA022	21008HI	5311720.218	388050.414	5311720.216	388050.397	467.150	488.837	0.005
NVA023	21008HJ	5278669.855	460011.845	5278669.855	460011.827	466.258	489.151	0.007
NVA024	21008HK	5141629.936	479455.146	5141629.936	479455.127	572.376	595.728	0.007
NVA025	21008HL	5138530.339	543689.378	5138530.338	543689.359	413.953	438.510	0.006
NVA026	21008HM	5219438.414	439541.800	5219438.414	439541.781	515.399	537.973	0.007
NVA027	21008HN	5312179.761	368764.034	5312179.760	368764.016	471.070	492.456	0.007
NVA028	21008HO	5116218.840	531864.366	5116218.840	531864.345	434.530	458.833	0.010
NVA029	21008HP	5138405.395	490719.128	5138405.394	490719.110	598.402	621.962	0.008
NVA030	21008HQ	5137110.891	566182.144	5137110.890	566182.126	402.839	427.536	0.006
NVA031	21008HR	5181963.276	529965.343	5181963.276	529965.325	429.431	453.993	0.008
NVA032	21008HS	5219560.268	431376.280	5219560.269	431376.262	533.620	556.077	0.007
NVA033	21008HT	5278533.407	515094.152	5278533.410	515094.134	437.234	461.221	0.009
NVA034	21008HU	5202868.465	496040.032	5202868.465	496040.015	521.884	545.518	0.007
NVA035	21008HV	5098530.297	526964.442	5098530.296	526964.420	435.964	460.154	0.007
NVA036	21008HW	5149661.453	514691.025	5149661.453	514691.008	467.097	491.370	0.009
NVA037	21008HX	5212632.693	532281.079	5212632.694	532281.060	419.110	443.584	0.006
NVA038	21008HY	5265630.610	513542.727	5265630.611	513542.709	432.738	456.599	0.009
NVA039	21008HZ	5310572.305	368726.189	5310572.304	368726.169	469.126	490.507	0.007
NVA040	21008IA	5337915.721	372709.323	5337915.719	372709.309	437.781	459.283	0.008
NVA041	21008IB	5207229.238	484284.542	5207229.238	484284.524	534.218	557.482	0.006
NVA042	21008IC	5192825.161	490980.581	5192825.161	490980.563	543.024	566.475	0.005
NVA043	21008ID	5273652.664	508757.810	5273652.666	508757.791	442.138	466.087	0.009
NVA044	21008IE	5252756.945	494368.148	5252756.946	494368.130	455.852	479.412	0.005
NVA045	21008IF	5185343.817	547652.117	5185343.817	547652.099	424.666	449.336	0.007
NVA046	21008IG	5383847.300	346504.417	5383847.300	346504.398	436.717	457.992	0.009
NVA047	21008IH	5283343.758	458392.368	5283343.759	458392.350	460.489	483.350	0.007
NVA048	21008II	5151285.729	489108.729	5151285.728	489108.710	562.624	586.200	0.008
NVA049	21008IJ	5357303.057	371418.265	5357303.055	371418.252	433.966	455.451	0.008
NVA050	21008IK	5092274.268	475427.706	5092274.267	475427.689	596.674	619.684	0.005
NVA051	21008IL	5159537.072	458768.227	5159537.071	458768.208	549.159	571.955	0.008
NVA052	21008IM	5217622.048	458664.516	5217622.049	458664.499	529.965	552.795	0.008
NVA053	21008IN	5207774.376	480282.739	5207774.378	480282.721	554.040	577.212	0.005
NVA054	21008IO	5128703.729	508809.415	5128703.729	508809.397	580.346	604.289	0.006
NVA055	21008IP	5109811.510	518890.030	5109811.509	518890.010	467.725	491.722	0.012
NVA056	21008IQ	5235101.750	497108.472	5235101.751	497108.455	460.194	483.855	0.007
NVA057	21008IR	5302066.810	387860.189	5302066.810	387860.172	484.051	505.730	0.005

Station Name	GPSID	NAD83 (2011)		NAD83 (NSRS2007)		Ellip H	NAVD88 Ortho H	Vertical Accuracy
		UTM14 Northing	UTM14 Easting	UTM14 Northing	UTM14 Easting			
NVA058	21008IS	5235106.336	489824.743	5235106.338	489824.725	488.239	511.721	0.006
NVA059	21008IT	5090387.493	539848.148	5090387.493	539848.125	410.588	435.087	0.007
NVA060	21008IU	5153267.292	572496.396	5153267.291	572496.378	400.142	425.226	0.007
NVA061	21008IV	5185676.289	433690.354	5185676.289	433690.335	539.312	561.757	0.005
NVA062	21008IW	5188358.357	508980.567	5188358.356	508980.549	457.417	481.525	0.007
NVA063	21008IX	5197957.285	486788.439	5197957.285	486788.422	567.988	591.261	0.008
NVA064	21008IY	5216153.729	445809.727	5216153.729	445809.709	517.868	540.524	0.007
NVA065	21008IZ	5378203.189	376896.282	5378203.189	376896.266	423.307	444.888	0.008
NVA066	21008JA	5185132.091	520292.518	5185132.091	520292.500	431.518	455.924	0.008
NVA067	21008JB	5157729.397	500247.909	5157729.397	500247.892	565.090	588.896	0.010
NVA068	21008JC	5092100.142	563984.275	5092100.141	563984.256	374.699	399.793	0.008
NVA069	21008JD	5105093.181	490077.649	5105093.181	490077.631	592.223	615.603	0.006
NVA070	21008JE	5209459.223	537250.414	5209459.223	537250.396	434.070	458.644	0.008
NVA071	21008JF	5233490.580	493890.340	5233490.581	493890.322	478.029	501.613	0.007
NVA072	21008JG	5238406.004	474714.859	5238406.005	474714.841	531.916	555.029	0.007
NVA073	21008JH	5135234.736	532436.167	5135234.735	532436.148	431.535	455.940	0.007
NVA074	21008JI	5100112.274	530152.684	5100112.274	530152.663	433.020	457.273	0.007
NVA075	21008JJ	5167421.472	481692.865	5167421.472	481692.848	569.607	592.955	0.008
NVA076	21008JK	5272323.994	451132.671	5272323.995	451132.652	473.546	496.191	0.006
NVA077	21008JL	5194952.915	542707.578	5194952.915	542707.560	419.970	444.716	0.013
NVA078	21008JM	5159393.106	530340.555	5159393.106	530340.537	423.362	447.918	0.010
NVA079	21008JN	5226277.524	415609.899	5226277.524	415609.879	546.867	569.072	0.008
NVA080	21008JO	5249571.279	481482.941	5249571.280	481482.923	459.417	482.708	0.005
NVA081	21008JP	5168187.066	418936.381	5168187.066	418936.360	546.077	568.216	0.009
NVA082	21008JQ	5360678.366	370048.057	5360678.365	370048.042	432.708	454.175	0.008
NVA083	21008JR	5228912.155	455535.055	5228912.155	455535.037	559.302	582.063	0.009
NVA084	21008JS	5255967.922	505560.861	5255967.924	505560.844	440.800	464.486	0.008
NVA085	21008JT	5227047.264	501941.676	5227047.265	501941.659	443.985	467.802	0.009
NVA086	21008JU	5271702.390	515132.943	5271702.391	515132.925	433.531	457.468	0.008
NVA087	21008JV	5262396.973	503931.313	5262396.974	503931.295	444.324	468.073	0.005
NVA088	21008JW	5100783.849	433650.032	5100783.847	433650.009	580.581	602.978	0.007
NVA089	21008JX	5166061.777	557423.718	5166061.777	557423.700	422.765	447.746	0.008
NVA090	21008JY	5212537.573	498722.328	5212537.574	498722.311	519.949	543.672	0.007
NVA091	21008JZ	5195180.717	445087.887	5195180.718	445087.870	511.666	534.270	0.006
NVA092	21008KA	5233902.772	440880.517	5233902.773	440880.499	550.191	572.754	0.006
NVA093	21008KB	5145853.246	448995.050	5145853.246	448995.030	620.972	643.606	0.006
NVA094	21008KC	5221179.249	429311.141	5221179.249	429311.122	533.113	555.537	0.008
NVA095	21008KD	5253000.415	452571.256	5253000.416	452571.238	531.330	553.882	0.006

Station Name	GPSID	NAD83 (2011)		NAD83 (NSRS2007)		Ellip H	NAVD88 Ortho H	Vertical Accuracy
		UTM14 Northing	UTM14 Easting	UTM14 Northing	UTM14 Easting			
NVA096	21008KE	5180296.996	515463.184	5180296.997	515463.167	441.034	465.312	0.006
NVA097	21008KF	5132014.197	534063.487	5132014.196	534063.468	427.631	452.022	0.007
NVA098	21008KG	5285628.501	468048.067	5285628.502	468048.049	457.753	480.907	0.007
NVA099	21008KH	5370086.006	381517.855	5370086.004	381517.840	425.619	447.157	0.008
NVA100	21008KI	5111222.322	448314.306	5111222.321	448314.285	631.733	654.420	0.006
NVA101	21008KJ	5234133.728	426682.874	5234133.728	426682.855	592.057	614.392	0.006
NVA102	21008KK	5096826.860	554371.939	5096826.859	554371.919	395.950	420.806	0.007
NVA103	21008KL	5241473.763	502409.715	5241473.764	502409.697	455.435	479.185	0.006
NVA104	21008KM	5143495.100	561310.512	5143495.099	561310.493	409.408	434.110	0.007
NVA105	21008KN	5136784.767	492325.461	5136784.766	492325.443	597.063	620.658	0.009
NVA106	21008KO	5354977.602	405107.282	5354977.600	405107.264	439.556	461.251	0.008
NVA107	21008KP	5244704.693	510440.907	5244704.694	510440.889	441.352	465.190	0.006
NVA108	21008KQ	5096797.941	549533.531	5096797.941	549533.511	408.855	433.570	0.009
NVA109	21008KR	5202889.138	514772.104	5202889.139	514772.087	440.049	464.297	0.007
NVA110	21008KS	5193823.515	428990.150	5193823.515	428990.131	545.203	567.596	0.005
NVA111	21008KT	5245076.601	438074.823	5245076.602	438074.805	562.949	585.379	0.006
NVA112	21008KU	5217368.211	500324.602	5217368.212	500324.585	480.258	504.044	0.009
NVA113	21008KV	5095747.077	449689.986	5095747.076	449689.967	621.355	643.993	0.006
NVA114	21008KW	5203704.782	416621.940	5203704.782	416621.921	586.434	608.663	0.008
NVA115	21008KX	5283304.829	464816.046	5283304.830	464816.027	463.472	486.517	0.007
NVA116	21008KY	5087464.387	471552.385	5087464.386	471552.367	624.619	647.547	0.006
NVA117	21008KZ	5113023.416	522133.625	5113023.416	522133.604	456.014	480.103	0.009
NVA118	21008LA	5103262.133	465915.311	5103262.132	465915.293	593.806	616.776	0.005
NVA119	21008LB	5281730.070	474466.284	5281730.071	474466.266	453.504	476.849	0.008
NVA120	21008LC	5130744.917	575922.340	5130744.916	575922.322	387.105	412.068	0.008
NVA121	21008LD	5089019.255	481830.300	5089019.254	481830.283	566.593	589.743	0.008
NVA122	21008LE	5262798.117	438261.970	5262798.118	438261.951	501.542	523.932	0.006
NVA123	21008LF	5095414.292	573577.694	5095414.291	573577.675	374.210	399.482	0.007
NVA124	21008LG	5133544.493	514744.090	5133544.494	514744.072	492.992	517.120	0.007
NVA125	21008LH	5190302.926	448196.175	5190302.926	448196.157	514.163	536.803	0.006
NVA126	21008LI	5245128.565	433239.162	5245128.566	433239.144	591.338	613.702	0.006
NVA127	21008LJ	5185251.075	539571.471	5185251.074	539571.454	413.425	438.080	0.006
NVA128	21008LK	5191587.885	517015.141	5191587.885	517015.123	438.037	462.349	0.005
NVA129	21008LL	5212593.100	485893.119	5212593.101	485893.102	536.398	559.747	0.007
NVA130	21008LM	5206107.811	516375.148	5206107.811	516375.131	438.534	462.809	0.007
NVA131	21008LN	5372488.406	349355.270	5372488.406	349355.252	438.999	460.180	0.009
NVA132	21008LO	5238464.851	465138.207	5238464.851	465138.188	545.097	567.972	0.008
NVA133	21008LP	5089240.252	435040.982	5089240.250	435040.960	583.217	605.546	0.006

Station Name	GPSID	NAD83 (2011)		NAD83 (NSRS2007)		Ellip H	NAVD88 Ortho H	Vertical Accuracy
		UTM14 Northing	UTM14 Easting	UTM14 Northing	UTM14 Easting			
NVA134	21008LQ	5214517.932	447406.524	5214517.932	447406.505	524.158	546.834	0.007
NVA135	21008LR	5096120.251	486749.993	5096120.250	486749.975	575.143	598.414	0.007
NVA136	21008LS	5136836.836	479422.203	5136836.835	479422.185	572.319	595.640	0.008
NVA137	21008LT	5347914.707	360042.550	5347914.705	360042.533	442.306	463.492	0.007
NVA138	21008LU	5156309.218	453918.505	5156309.217	453918.485	591.427	614.086	0.008
NVA139	21008LV	5140007.529	521135.737	5140007.529	521135.718	449.092	473.421	0.006
NVA140	21008LW	5198165.297	467567.384	5198165.297	467567.367	540.530	563.481	0.005
NVA141	21008LX	5136179.549	453591.471	5136179.548	453591.451	577.180	599.994	0.007
NVA142	21008LY	5239927.365	497103.425	5239927.366	497103.407	464.737	488.393	0.006
NVA143	21008LZ	5196459.326	500901.293	5196459.327	500901.275	504.054	527.880	0.006
NVA144	21008MA	5244717.734	491142.951	5244717.736	491142.933	457.728	481.252	0.005
NVA145	21008MB	5175458.158	481838.474	5175458.158	481838.456	562.045	585.344	0.007
NVA146	21008MC	5141883.513	447324.726	5141883.512	447324.706	621.385	644.019	0.006
NVA147	21008MD	5114523.744	549519.761	5114523.744	549519.740	406.812	431.443	0.008
NVA148	21008ME	5241629.503	462032.599	5241629.504	462032.581	548.432	571.213	0.010
NVA149	21008MF	5259357.543	463862.018	5259357.544	463861.999	486.336	509.185	0.008
NVA150	21008MG	5362170.516	374902.165	5362170.515	374902.152	438.837	460.344	0.007
NVA151	21008MH	5180421.320	537970.967	5180421.320	537970.949	419.214	443.829	0.007
NVA152	21008MI	5108098.996	544726.492	5108098.996	544726.471	409.139	433.681	0.008
NVA153	21008MJ	5172219.610	483373.329	5172219.610	483373.311	584.307	607.660	0.008
NVA154	21008MK	5158058.149	567609.539	5158058.148	567609.522	409.147	434.219	0.007
NVA155	21008ML	5167672.254	557411.349	5167672.254	557411.330	425.041	450.017	0.008
NVA156	21008MM	5093710.072	522120.895	5093710.071	522120.875	443.411	467.519	0.007
NVA157	21008MN	5249843.487	444522.863	5249843.488	444522.844	564.982	587.436	0.006
NVA158	21008MO	5136811.974	525988.567	5136811.974	525988.548	446.948	471.304	0.008
NVA159	21008MP	5173008.582	419331.643	5173008.582	419331.622	513.963	536.134	0.007
NVA160	21008MQ	5163037.053	431499.682	5163037.053	431499.662	590.778	613.038	0.011
NVA161	21008MR	5273874.723	457554.612	5273874.723	457554.592	465.404	488.205	0.007
NVA162	21008MS	5301478.423	365321.716	5301478.422	365321.696	558.740	579.957	0.009
NVA163	21008MT	5103235.880	551132.728	5103235.879	551132.708	406.804	431.529	0.007
NVA164	21008MU	5125518.178	487563.747	5125518.177	487563.729	633.619	657.058	0.006
NVA165	21008MV	5133597.350	529222.564	5133597.349	529222.545	441.280	465.633	0.009
NVA166	21008MW	5367009.570	375036.689	5367009.569	375036.675	434.608	456.127	0.007
NVA167	21008MX	5151296.022	460215.306	5151296.022	460215.287	557.319	580.219	0.007
NVA168	21008MY	5204720.456	460206.996	5204720.457	460206.978	532.761	555.605	0.006
NVA169	21008MZ	5243409.359	444471.827	5243409.360	444471.809	568.275	590.801	0.007
NVA170	21008NA	5185417.055	452953.560	5185417.055	452953.542	543.169	565.881	0.007
NVA171	21008NB	5262704.500	447834.861	5262704.501	447834.842	498.916	521.407	0.006

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		UTM14 Northing	UTM14 Easting	UTM14 Northing	UTM14 Easting			
NVA172	21008NC	5127296.867	548589.104	5127296.867	548589.085	411.216	435.786	0.006
NVA173	21008ND	5324993.175	372413.626	5324993.173	372413.610	471.860	493.345	0.007
NVA174	21008NE	5276955.313	483190.945	5276955.314	483190.926	446.368	469.946	0.009
NVA175	21008NF	5145184.236	567741.234	5145184.235	567741.216	402.799	427.627	0.007
NVA176	21008NG	5125500.542	521239.580	5125500.541	521239.561	462.896	487.042	0.006
NVA177	21008NH	5376691.445	375253.993	5376691.445	375253.977	421.262	442.833	0.008
NVA178	21008NI	5212546.296	506723.012	5212546.296	506722.995	443.293	467.275	0.008
NVA179	21008NJ	5110249.284	448307.894	5110249.283	448307.874	644.410	667.093	0.006
NVA180	21008NK	5262448.399	489572.672	5262448.400	489572.653	456.113	479.690	0.006
NVA181	21008NL	5246816.615	426840.463	5246816.615	426840.445	579.241	601.514	0.005
NVA182	21008NM	5264008.598	497599.799	5264008.600	497599.781	442.122	465.834	0.006
NVA183	21008NN	5153102.835	556396.224	5153102.834	556396.205	411.579	436.423	0.007
NVA184	21008NO	5281330.782	488673.361	5281330.784	488673.343	439.469	463.172	0.009
NVA185	21008NP	5151308.485	525910.213	5151308.484	525910.195	435.961	460.462	0.009
NVA186	21008NQ	5222213.000	506703.085	5222213.000	506703.067	453.296	477.260	0.009
NVA187	21008NR	5156120.308	500254.963	5156120.308	500254.945	580.094	603.918	0.010
NVA188	21008NS	5262951.384	425412.034	5262951.384	425412.015	552.616	574.835	0.005
NVA189	21008NT	5109389.570	505970.959	5109389.570	505970.939	608.618	632.319	0.007
NVA190	21008NU	5148394.185	440957.220	5148394.184	440957.199	584.010	606.453	0.004
NVA191	21008NV	5241711.712	452494.342	5241711.712	452494.324	547.432	570.064	0.008
NVA192	21008NW	5225718.300	517908.750	5225718.302	517908.732	434.312	458.487	0.009
NVA193	21008NX	5268882.090	486384.181	5268882.091	486384.163	449.001	472.605	0.007
NVA194	21008NY	5108300.985	490101.015	5108300.984	490100.997	596.940	620.347	0.007
NVA195	21008NZ	5130695.728	432661.155	5130695.727	432661.133	568.975	591.452	0.008
NVA196	21008OA	5254676.077	489777.830	5254676.078	489777.813	463.565	487.057	0.007
NVA197	21008OB	5099262.718	470696.197	5099262.718	470696.179	588.150	611.148	0.004
NVA198	21008OC	5199942.960	451575.345	5199942.960	451575.328	516.269	538.976	0.006
NVA199	21008OD	5113358.891	456331.124	5113358.891	456331.104	628.654	651.496	0.007
NVA200	21008OE	5384381.528	389865.423	5384381.527	389865.406	428.233	449.766	0.007
NVA201	21008OF	5100160.822	522137.089	5100160.822	522137.068	446.677	470.753	0.007
NVA202	21008OG	5268835.381	510302.379	5268835.383	510302.361	439.255	463.156	0.008
NVA203	21008OH	5366470.586	402362.380	5366470.586	402362.361	430.021	451.624	0.005
NVA204	21008OI	5127978.787	477776.572	5127978.786	477776.554	603.481	626.742	0.008
NVA205	21008OJ	5211176.828	457027.398	5211176.828	457027.380	536.677	559.480	0.007
NVA206	21008OK	5304266.468	363763.595	5304266.466	363763.574	530.364	551.566	0.010
NVA207	21008OL	5352673.358	363318.396	5352673.356	363318.381	436.369	457.674	0.008
NVA208	21008OM	5192702.823	472369.069	5192702.823	472369.050	524.266	547.288	0.005
NVA209	21008ON	5103502.590	482010.948	5103502.589	482010.931	594.864	618.084	0.006

Station Name	GPSID	NAD83 (2011)		NAD83 (NSRS2007)		Ellip H	NAVD88 Ortho H	Vertical Accuracy
		UTM14 Northing	UTM14 Easting	UTM14 Northing	UTM14 Easting			
NVA210	2100800	5235149.437	481149.611	5235149.438	481149.594	550.530	573.790	0.007
NVA211	210080P	5142032.780	432801.645	5142032.780	432801.623	589.762	612.110	0.006
NVA212	210080Q	5097014.859	499634.004	5097014.858	499633.986	580.815	604.379	0.010
NVA213	210080R	5215829.087	529991.183	5215829.088	529991.166	439.946	464.351	0.006
NVA214	210080S	5321671.126	378771.209	5321671.125	378771.194	471.820	493.394	0.006
NVA215	210080T	5092221.322	486703.357	5092221.321	486703.339	577.320	600.582	0.007
NVA216	210080U	5209404.613	476264.459	5209404.614	476264.442	546.881	569.987	0.006
NVA217	210080V	5169229.642	550978.618	5169229.641	550978.599	419.979	444.819	0.013
NVA218	210080W	5378859.400	352778.102	5378859.400	352778.085	430.843	452.166	0.008
NVA219	210080X	5118126.993	459595.341	5118126.992	459595.321	599.256	622.177	0.007
NVA220	210080Y	5185127.829	517052.868	5185127.829	517052.850	435.166	459.496	0.005
VVA001	210080Z	5236706.237	490765.874	5236706.238	490765.857	473.468	496.978	0.006
VVA002	21008PA	5097601.264	541474.660	5097601.264	541474.638	409.096	433.588	0.006
VVA003	21008PB	5263865.018	446249.667	5263865.018	446249.648	496.745	519.225	0.006
VVA004	21008PC	5182010.147	480299.952	5182010.147	480299.935	533.814	557.044	0.006
VVA005	21008PD	5275261.651	500746.598	5275261.652	500746.580	441.232	465.118	0.008
VVA006	21008PE	5094492.494	486733.000	5094492.494	486732.982	582.924	606.189	0.007
VVA007	21008PF	5202906.784	486840.539	5202906.785	486840.521	549.106	572.404	0.007
VVA008	21008PG	5135129.130	506720.944	5135129.130	506720.926	562.711	586.674	0.006
VVA009	21008PH	5235614.937	436343.662	5235614.937	436343.643	546.467	568.953	0.006
VVA010	21008PI	5291441.207	456828.766	5291441.208	456828.747	447.281	470.102	0.007
VVA011	21008PJ	5208048.576	451359.983	5208048.577	451359.966	522.066	544.783	0.007
VVA012	21008PK	5225489.559	522672.264	5225489.559	522672.247	440.308	464.561	0.009
VVA013	21008PL	5154603.190	542484.760	5154603.190	542484.741	419.812	444.560	0.007
VVA014	21008PM	5096012.057	554381.657	5096012.057	554381.636	395.340	420.200	0.006
VVA015	21008PN	5133701.249	460109.717	5133701.248	460109.698	595.627	618.600	0.007
VVA016	21008PO	5151831.939	522648.018	5151831.938	522648.000	435.453	459.900	0.009
VVA017	21008PP	5089038.020	475370.185	5089038.019	475370.167	608.287	631.289	0.006
VVA018	21008PQ	5235492.950	440336.093	5235492.950	440336.074	552.672	575.218	0.006
VVA019	21008PR	5177030.510	489876.618	5177030.510	489876.601	558.291	581.794	0.008
VVA020	21008PS	5182161.712	452929.022	5182161.713	452929.004	542.849	565.568	0.007
VVA021	21008PT	5198226.414	461172.589	5198226.414	461172.571	524.111	546.970	0.007
VVA022	21008PU	5180302.720	521125.312	5180302.720	521125.294	432.630	457.032	0.006
VVA023	21008PV	5262398.640	452452.649	5262398.641	452452.631	496.817	519.393	0.006
VVA024	21008PW	5095664.654	464213.131	5095664.654	464213.113	604.306	627.171	0.005
VVA025F	21008PX	5167536.446	518782.362	5167536.446	518782.344	434.354	458.676	0.012
VVA026	21008PY	5280760.882	487351.687	5280760.883	487351.669	445.198	468.877	0.008
VVA027	21008PZ	5169258.745	428575.103	5169258.744	428575.083	546.311	568.574	0.007

Station Name	GPSID	NAD83 (2011)		NAD83 (NSRS2007)		Ellip H	NAVD88 Ortho H	Vertical Accuracy
		UTM14 Northing	UTM14 Easting	UTM14 Northing	UTM14 Easting			
VVA028	21008QA	5300240.317	358898.236	5300240.316	358898.215	593.887	614.895	0.009
VVA029	21008QB	5378733.089	357602.982	5378733.089	357602.965	427.869	449.272	0.007
VVA030	21008QC	5225524.077	473450.068	5225524.078	473450.050	552.962	576.040	0.009
VVA031	21008QD	5267245.687	497470.891	5267245.689	497470.873	442.540	466.303	0.007
VVA032	21008QE	5150302.327	455421.296	5150302.326	455421.277	598.356	621.112	0.006
VVA033	21008QF	5194934.352	469171.311	5194934.352	469171.293	521.054	544.031	0.006
VVA034	21008QG	5130476.257	571130.625	5130476.256	571130.608	391.363	416.211	0.007
VVA035	21008QH	5203978.037	458606.206	5203978.037	458606.188	524.521	547.339	0.006
VVA036	21008QI	5336545.178	361424.097	5336545.176	361424.080	453.984	475.228	0.008
VVA037	21008QJ	5278836.352	445509.969	5278836.353	445509.951	466.538	489.166	0.007
VVA038	21008QK	5108286.373	575015.940	5108286.372	575015.921	383.951	409.178	0.009
VVA039	21008QL	5217407.317	517983.851	5217407.318	517983.833	439.958	464.156	0.007
VVA040	21008QM	5123385.649	548034.653	5123385.649	548034.633	411.287	435.853	0.006
VVA041	21008QN	5231898.765	493902.199	5231898.766	493902.182	494.780	518.364	0.006
VVA042	21008QO	5106573.603	517249.658	5106573.603	517249.637	469.978	493.921	0.009
VVA043	21008QP	5088899.465	522090.628	5088899.465	522090.607	436.389	460.532	0.009
VVA044	21008QQ	5154732.869	557970.101	5154732.868	557970.082	411.591	436.480	0.007
VVA045	21008QR	5220642.572	480821.294	5220642.573	480821.277	572.184	595.426	0.009
VVA046	21008QS	5159352.759	524246.770	5159352.758	524246.752	436.609	461.064	0.012
VVA047	21008QT	5203163.082	454833.153	5203163.083	454833.135	554.382	577.135	0.006
VVA048	21008QU	5149036.966	455442.726	5149036.965	455442.706	598.574	621.345	0.006
VVA049	21008QV	5205150.599	420079.968	5205150.599	420079.949	579.637	601.907	0.010
VVA050	21008QW	5268892.649	476750.150	5268892.650	476750.132	458.074	481.412	0.009
VVA051	21008QX	5211068.466	534693.759	5211068.466	534693.741	429.468	453.992	0.006
VVA052F	21008QY	5095756.660	538273.778	5095756.659	538273.756	416.628	441.060	0.009
VVA053	21008QZ	5210973.294	522792.497	5210973.294	522792.480	451.949	476.303	0.008
VVA054	21008RA	5213080.085	516367.227	5213080.086	516367.209	444.913	469.120	0.007
VVA055	21008RB	5170758.641	470480.713	5170758.641	470480.695	575.609	598.650	0.006
VVA056F	21008RC	5275296.526	484869.714	5275296.528	484869.696	448.872	472.486	0.012
VVA057	21008RD	5158113.662	532262.359	5158113.661	532262.341	427.320	451.919	0.008
VVA058	21008RE	5103665.463	459447.564	5103665.463	459447.545	604.947	627.812	0.007
VVA059	21008RF	5113099.815	496478.842	5113099.814	496478.825	572.265	595.847	0.007
VVA060	21008RG	5127115.958	511585.753	5127115.958	511585.735	566.724	590.701	0.005
VVA061	21008RH	5243217.290	462996.001	5243217.291	462995.983	543.528	566.319	0.009
VVA062	21008RI	5102852.166	565525.426	5102852.165	565525.407	380.183	405.284	0.011
VVA063	21008RJ	5087201.131	537346.391	5087201.131	537346.368	412.883	437.331	0.006
VVA064	21008RK	5213259.266	444258.383	5213259.267	444258.364	516.313	538.942	0.007
VVA065	21008RL	5142825.984	432798.779	5142825.983	432798.757	589.619	611.954	0.006

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		UTM14 Northing	UTM14 Easting	UTM14 Northing	UTM14 Easting			
VVA066	21008RM	5214168.710	490723.637	5214168.711	490723.620	530.583	554.071	0.008
VVA067	21008RN	5173973.080	468222.538	5173973.080	468222.520	580.211	603.190	0.008
VVA068	21008RO	5188344.896	519473.457	5188344.896	519473.439	430.733	455.118	0.005
VVA069	21008RP	5175434.291	487573.206	5175434.292	487573.188	561.086	584.531	0.009
VVA070	21008RQ	5161141.130	549961.352	5161141.129	549961.334	420.904	445.763	0.006
VVA071	21008RR	5087335.774	499301.430	5087335.773	499301.412	620.211	643.787	0.012
VVA072	21008RS	5237517.449	418935.575	5237517.449	418935.556	579.233	601.434	0.007
VVA073F	21008RT	5183721.549	433711.053	5183721.548	433711.034	524.256	546.697	0.006
VVA074	21008RU	5214637.046	476260.951	5214637.047	476260.934	554.708	577.838	0.007
VVA075	21008RV	5111391.473	525559.599	5111391.472	525559.578	439.107	463.275	0.008
VVA076	21008RW	5121244.760	477473.131	5121244.759	477473.113	598.523	621.781	0.007
VVA077	21008RX	5237811.653	426694.225	5237811.654	426694.206	596.469	618.789	0.006
VVA078	21008RY	5153307.040	492344.447	5153307.041	492344.430	565.024	588.669	0.009
VVA079	21008RZ	5138958.954	498694.086	5138958.955	498694.069	575.829	599.616	0.007
VVA080	21008SA	5087566.549	460850.596	5087566.548	460850.578	604.089	626.875	0.006
VVA081	21008SB	5347616.146	371301.893	5347616.144	371301.881	436.568	458.054	0.007
VVA082	21008SC	5162703.553	455556.522	5162703.552	455556.504	559.244	581.948	0.008
VVA083	21008SD	5125856.770	566312.606	5125856.769	566312.587	397.976	422.797	0.006
VVA084	21008SE	5359404.823	355502.698	5359404.823	355502.682	439.260	460.366	0.010
VVA085	21008SF	5141916.329	564550.435	5141916.328	564550.416	405.415	430.129	0.006
VVA086	21008SG	5152143.420	533910.870	5152143.420	533910.851	426.375	451.009	0.008
VVA087	21008SH	5267297.630	484311.622	5267297.631	484311.603	451.622	475.163	0.007
VVA088	21008SI	5159333.155	554753.565	5159333.155	554753.547	413.614	438.525	0.008
VVA089	21008SJ	5143215.435	485853.844	5143215.435	485853.826	583.072	606.550	0.006
VVA090	21008SK	5264442.889	436673.900	5264442.889	436673.882	498.766	521.159	0.005
VVA091	21008SL	5221166.789	433626.525	5221166.789	433626.506	531.642	554.132	0.007
VVA092	21008SM	5289872.057	447163.347	5289872.058	447163.328	467.861	490.512	0.007
VVA093	21008SN	5199834.259	458484.631	5199834.260	458484.613	512.838	535.653	0.006
VVA094	21008SO	5327837.397	391820.109	5327837.396	391820.095	448.025	469.724	0.006
VVA095	21008SP	5143248.050	469230.415	5143248.050	469230.397	591.368	614.546	0.010
VVA096	21008SQ	5257769.801	457446.655	5257769.801	457446.636	500.850	523.521	0.007
VVA097	21008SR	5284121.239	463193.768	5284121.240	463193.749	460.804	483.801	0.006
VVA098	21008SS	5093665.729	531769.641	5093665.729	531769.619	424.972	449.278	0.006
VVA099	21008ST	5144869.891	529151.577	5144869.891	529151.558	434.241	458.742	0.008
VVA100	21008SU	5247220.664	444512.154	5247220.665	444512.136	566.962	589.446	0.007
VVA101	21008SV	5285114.823	439476.078	5285114.823	439476.059	465.331	487.919	0.006
VVA102	21008SW	5272122.498	491199.339	5272122.499	491199.322	443.150	466.876	0.007
VVA103	21008SX	5259309.869	475113.096	5259309.869	475113.078	462.227	485.408	0.006

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VVA104	21008SY	5143247.093	519500.147	5143247.093	519500.128	446.687	471.023	0.007
VVA105	21008SZ	5262384.739	497451.092	5262384.740	497451.075	442.516	466.199	0.006
VVA106	21008TA	5122630.605	555988.260	5122630.605	555988.241	371.747	396.456	0.006
VVA107	21008TB	5166127.641	449346.935	5166127.641	449346.916	582.647	605.215	0.007
VVA108	21008TC	5165764.367	509076.838	5165764.368	509076.821	481.936	505.966	0.009
VVA109	21008TD	5238660.237	446263.954	5238660.237	446263.936	562.129	584.721	0.006
VVA110	21008TE	5165746.803	483292.534	5165746.804	483292.517	558.307	581.702	0.007
VVA111	21008TF	5130699.110	568882.034	5130699.110	568882.015	397.867	422.659	0.008
VVA112	21008TG	5203280.373	447338.160	5203280.374	447338.142	508.094	530.746	0.007
VVA113	21008TH	5227862.440	431434.017	5227862.441	431433.999	549.234	571.677	0.007
VVA114	21008TI	5159685.141	567579.939	5159685.140	567579.920	415.990	441.083	0.007
VVA115	21008TJ	5089301.773	452826.087	5089301.773	452826.069	588.476	611.159	0.008
VVA116	21008TK	5183536.908	505734.915	5183536.908	505734.898	471.433	495.444	0.007
VVA117	21008TL	5186755.675	528329.560	5186755.675	528329.543	429.318	453.889	0.006
VVA118	21008TM	5213044.452	437821.528	5213044.452	437821.510	509.038	531.578	0.009
VVA119	21008TN	5117952.016	488473.732	5117952.016	488473.713	580.591	604.046	0.006
VVA120	21008TO	5174256.583	444766.871	5174256.583	444766.853	568.407	590.944	0.007
VVA121	21008TP	5164351.141	547791.217	5164351.140	547791.198	419.237	444.066	0.010
VVA122	21008TQ	5174064.556	459301.954	5174064.556	459301.936	550.903	573.742	0.006
VVA123	21008TR	5181184.532	512220.516	5181184.532	512220.499	442.883	467.077	0.007
VVA124	21008TS	5196240.505	429032.670	5196240.505	429032.651	537.142	559.533	0.005
VVA125	21008TT	5171130.892	435026.818	5171130.893	435026.798	549.339	571.704	0.007
VVA126	21008TU	5121364.408	459624.710	5121364.406	459624.690	594.826	617.759	0.006
VVA127	21008TV	5234014.944	433925.218	5234014.944	433925.199	567.245	589.701	0.006
VVA128	21008TW	5262439.928	479940.898	5262439.929	479940.880	461.015	484.381	0.009
VVA129	21008TX	5116518.383	461192.215	5116518.382	461192.196	590.592	613.538	0.006
VVA130F	21008TY	5203120.885	468653.370	5203120.885	468653.353	557.518	580.485	0.007
VVA131	21008TZ	5135293.651	464969.490	5135293.651	464969.471	579.802	602.889	0.007
VVA132	21008UA	5384415.083	388270.078	5384415.083	388270.060	426.189	447.734	0.007
VVA133	21008UB	5193168.451	522278.559	5193168.452	522278.541	420.610	445.046	0.004
VVA134	21008UC	5251116.149	502413.510	5251116.151	502413.492	438.175	461.846	0.006
VVA135	21008UD	5184809.193	438457.647	5184809.193	438457.629	515.199	537.708	0.005
VVA136	21008UE	5236927.775	458304.152	5236927.775	458304.134	549.175	571.920	0.009
VVA137	21008UF	5207730.554	513167.290	5207730.555	513167.272	444.099	468.281	0.007
VVA138	21008UG	5225840.274	441081.241	5225840.275	441081.223	536.811	559.406	0.008
VVA139	21008UH	5154827.636	562801.663	5154827.634	562801.645	410.889	435.839	0.007
VVA140	21008UI	5156635.652	471509.299	5156635.652	471509.280	557.403	580.573	0.008
VVA141	21008UJ	5374647.496	379985.605	5374647.496	379985.589	421.798	443.359	0.008

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		UTM14 Northing	UTM14 Easting	UTM14 Northing	UTM14 Easting			
VVA142	21008UK	5214178.323	485920.678	5214178.324	485920.661	537.344	560.704	0.010
VVA143	21008UL	5222191.650	500341.172	5222191.651	500341.155	457.418	481.212	0.009
VVA144	21008UM	5226490.932	469899.106	5226490.934	469899.089	572.840	595.849	0.009
VVA145	21008UN	5091205.842	552727.483	5091205.841	552727.463	394.532	419.363	0.009
VVA146	21008UO	5243396.008	446045.726	5243396.009	446045.708	556.917	579.462	0.007
VVA147	21008UP	5312335.298	363943.358	5312335.297	363943.339	476.681	497.941	0.008
VVA148	21008UQ	5120310.272	517305.707	5120310.272	517305.688	479.951	503.968	0.007
VVA149	21008UR	5277130.623	452198.450	5277130.624	452198.431	468.388	491.088	0.007
VVA150	21008US	5222420.823	460331.121	5222420.824	460331.103	539.478	562.328	0.007
VVA151	21008UT	5096897.570	530193.953	5096897.570	530193.931	429.916	454.177	0.009
VVA152	21008UU	5189833.580	477097.173	5189833.580	477097.156	549.379	572.480	0.004
VVA153	21008UV	5097902.000	473907.952	5097901.999	473907.934	593.521	616.554	0.005
VVA154	21008UW	5241485.778	514920.986	5241485.779	514920.969	432.431	456.396	0.006
VVA155	21008UX	5153004.123	537654.207	5153004.122	537654.189	430.266	454.954	0.007