

Project Report Appendices

The following section contains the appendices as listed in the Windham County, VT 2015 LiDAR Project Report.

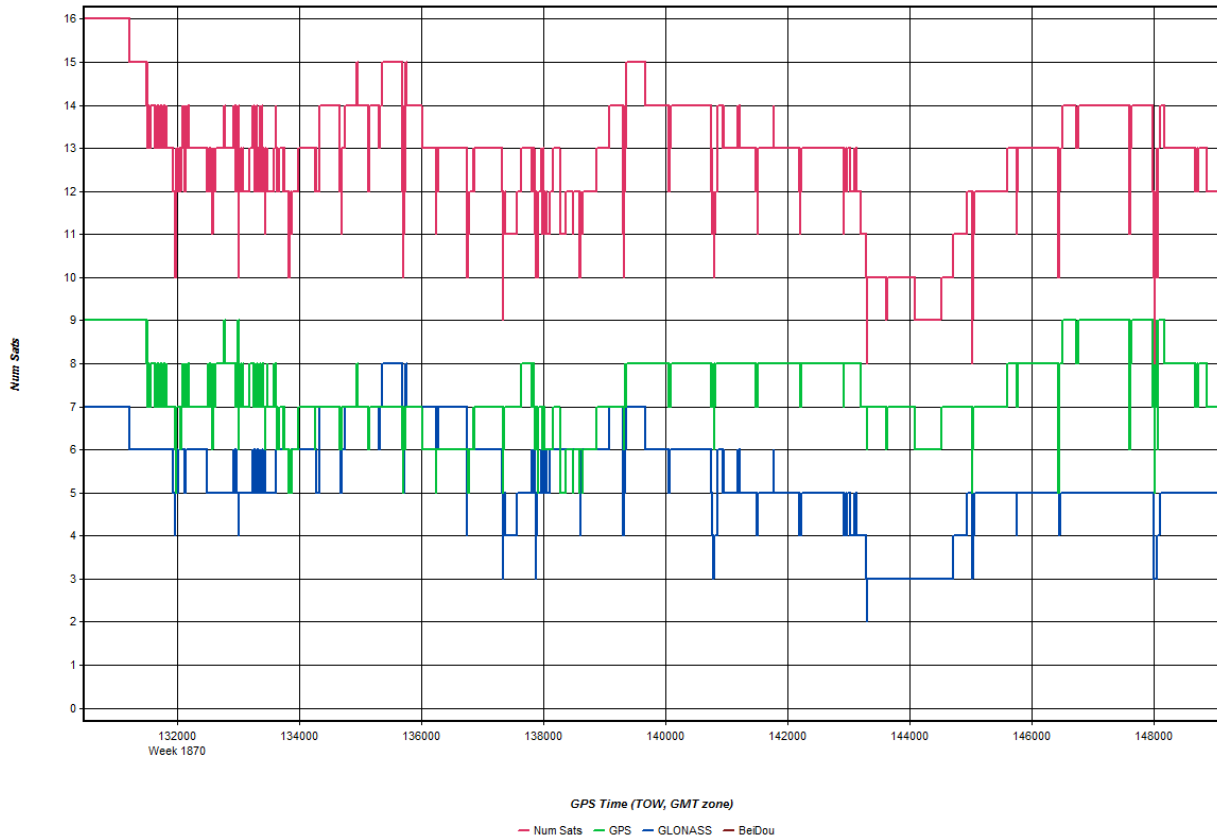
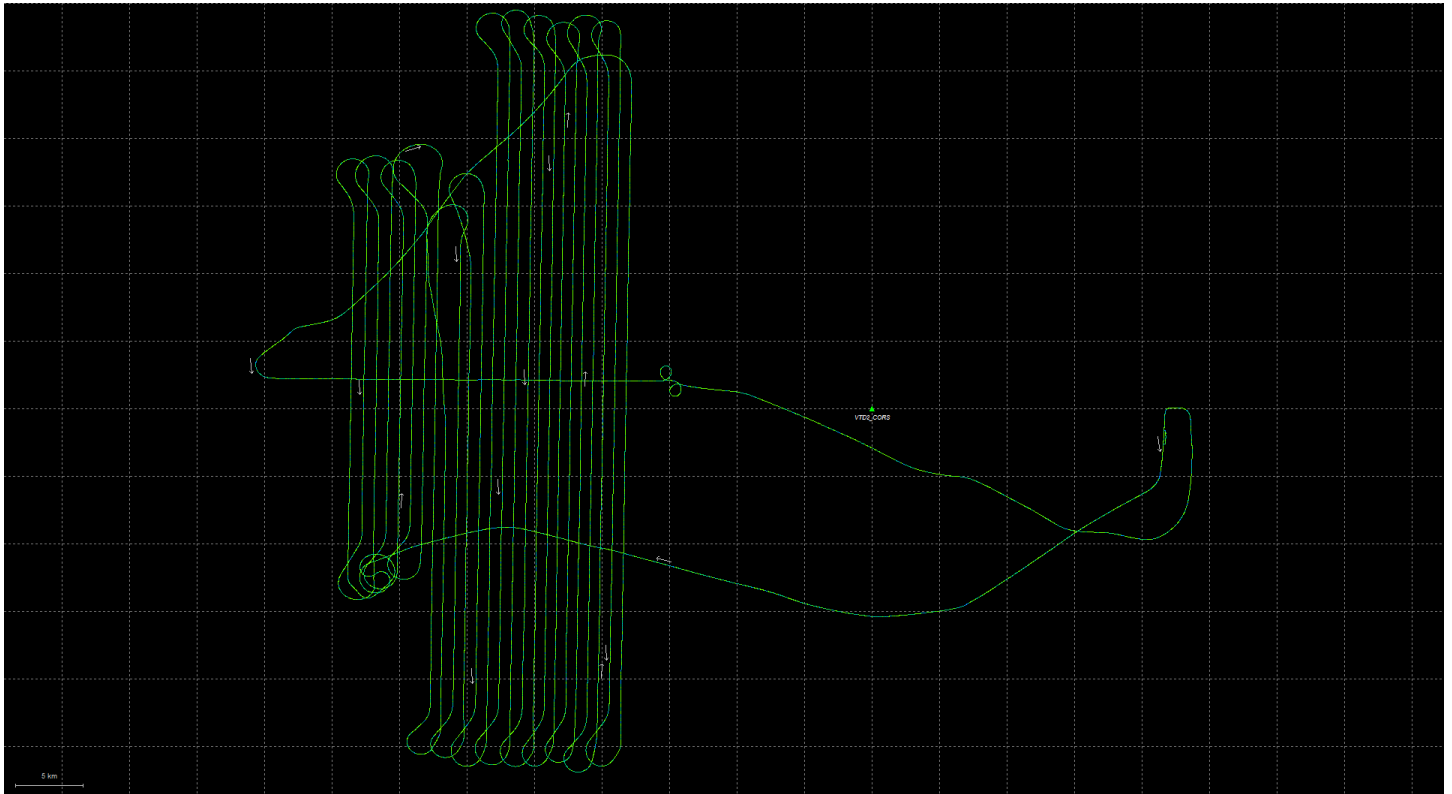
Appendix A

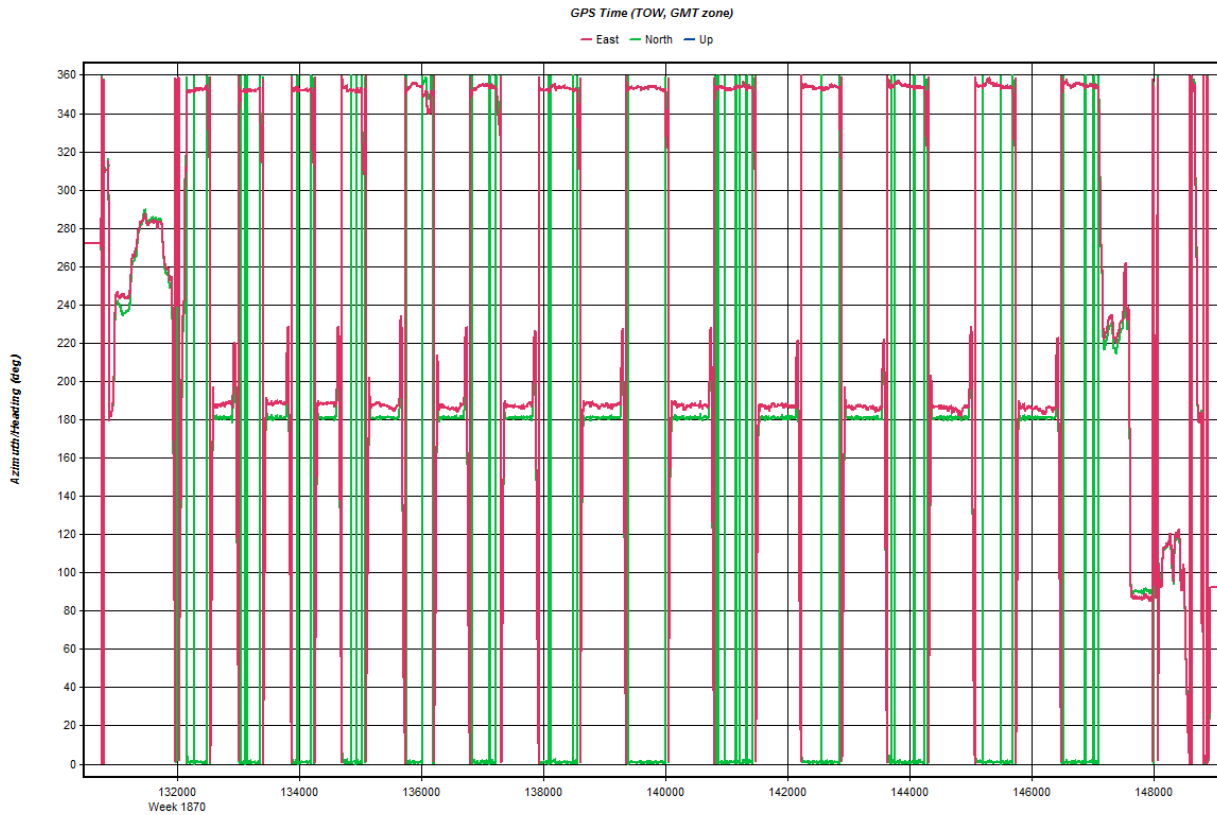
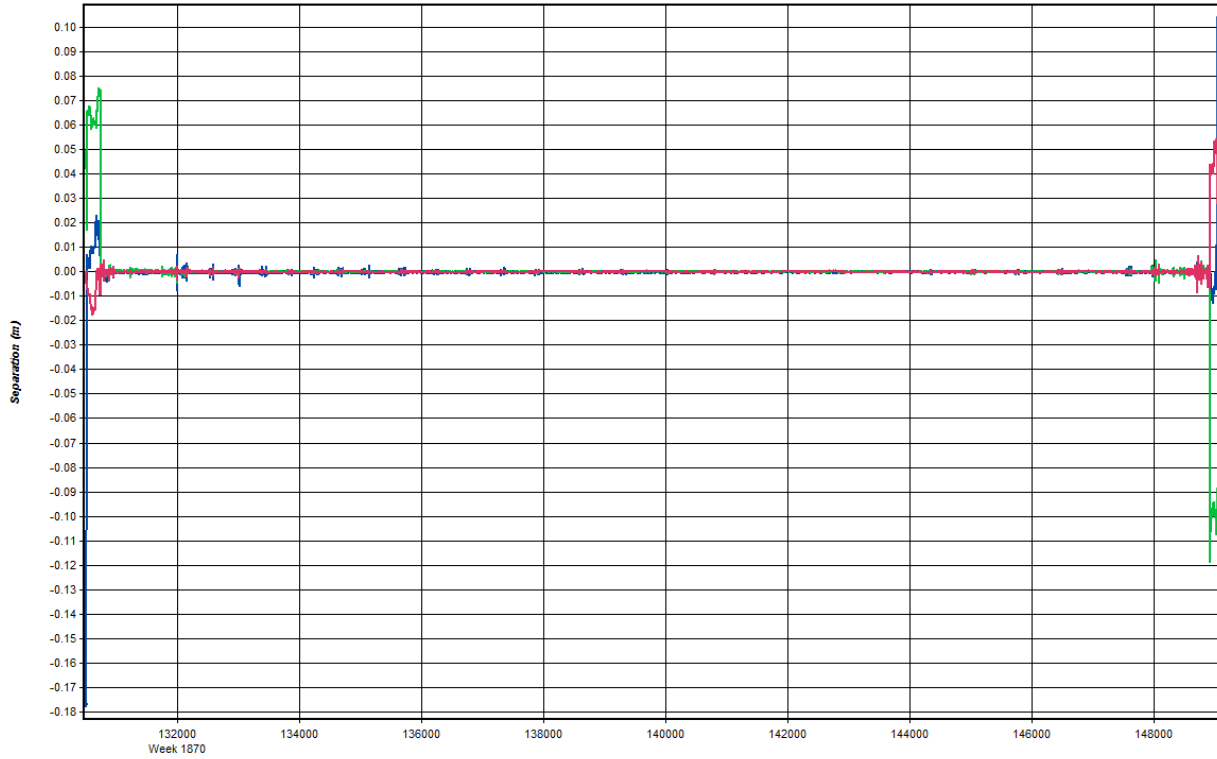
GPS/IMU Processing Statistics Flight Logs

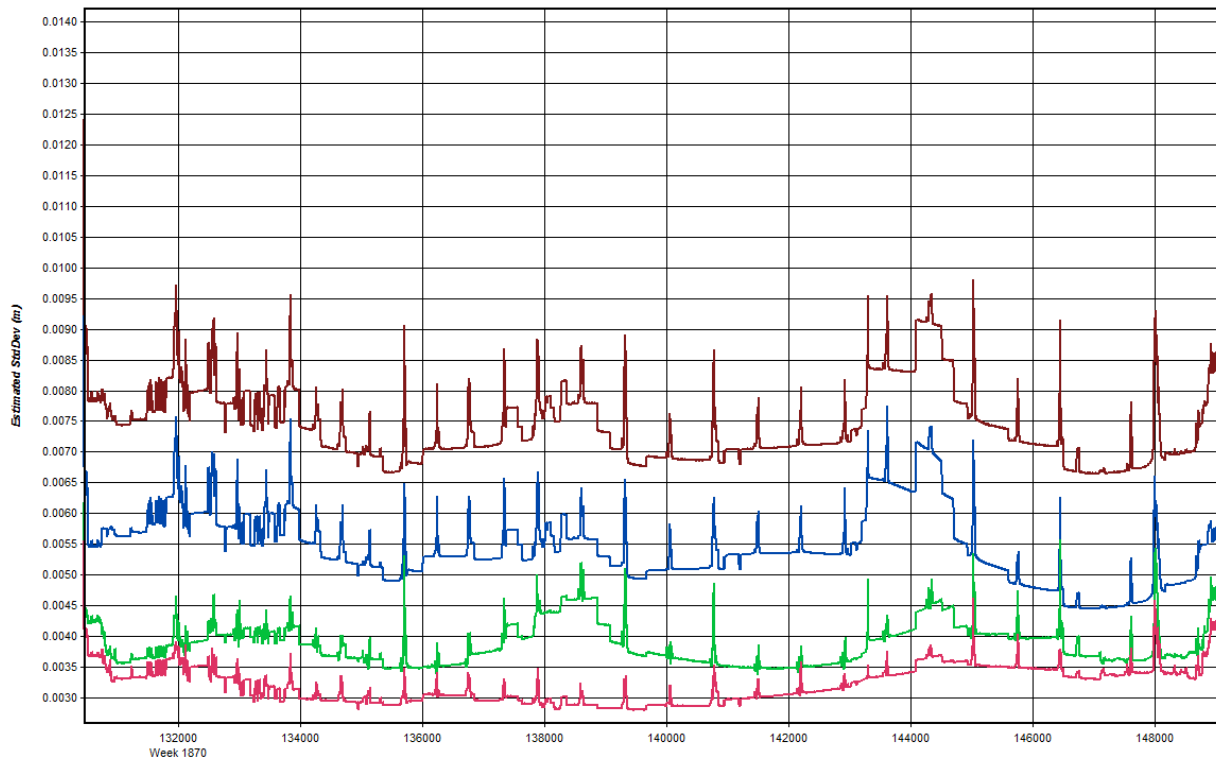
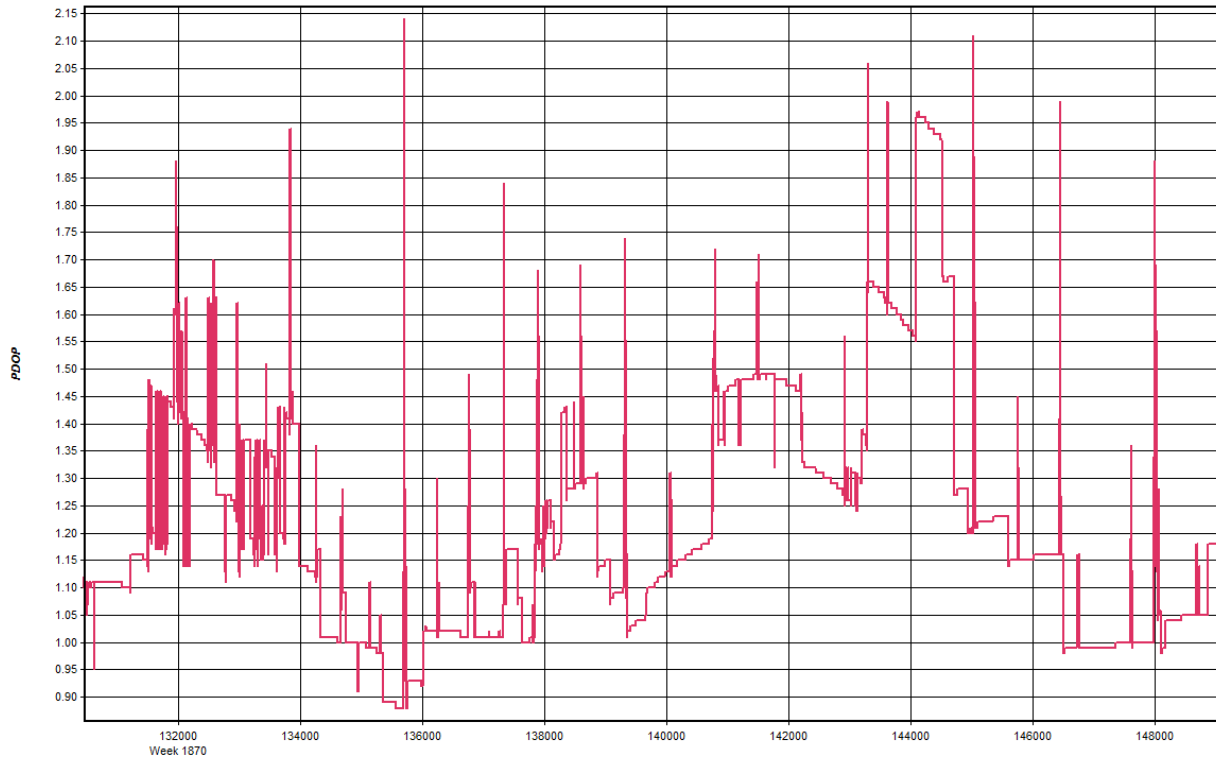
There were four total lifts. Graph reports generated from processing software and flight logs are found on the following pages.

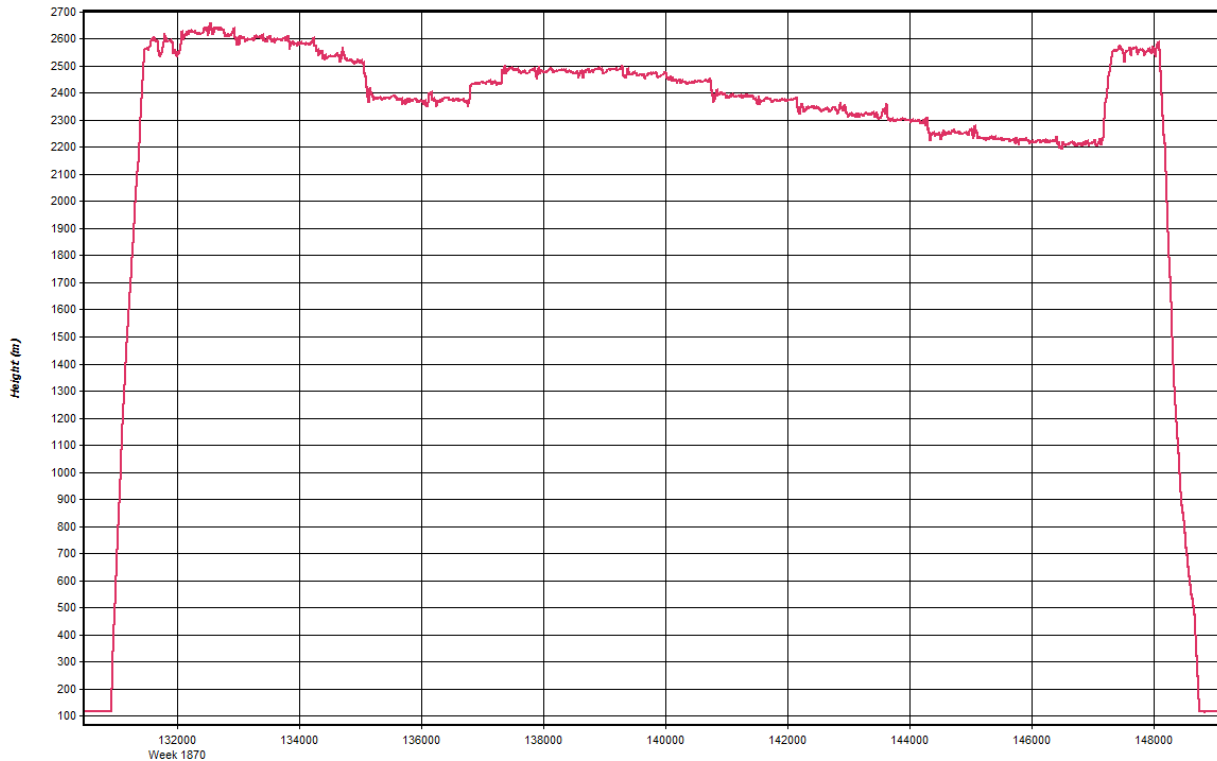
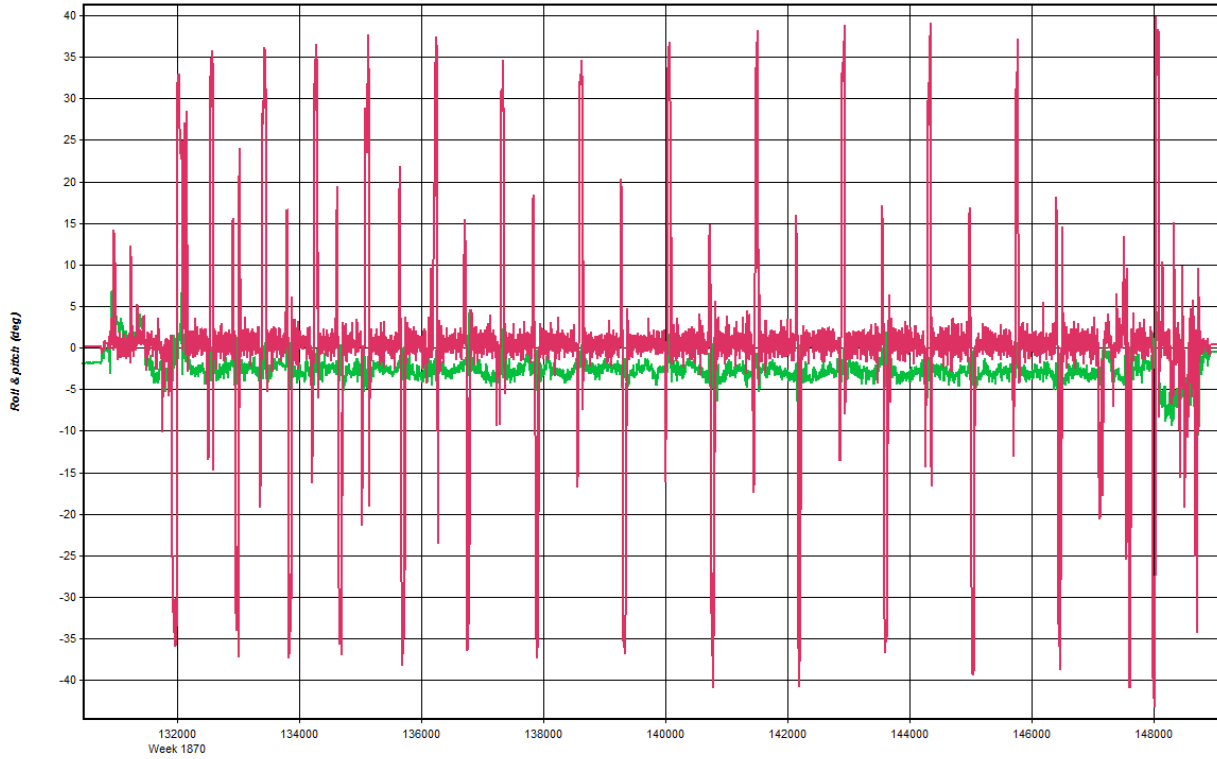
Nov 09, 2015-A (N1107Q, SN7108).....	2
Flight Log.....	9
Nov 09, 2015-B (N1107Q, SN7108).....	10
Flight Log.....	17
Nov 15, 2015-A (N1107Q, SN7108).....	18
Flight Log.....	25
Nov 11, 2015-B (N1107Q, SN7108).....	26
Flight Log.....	33

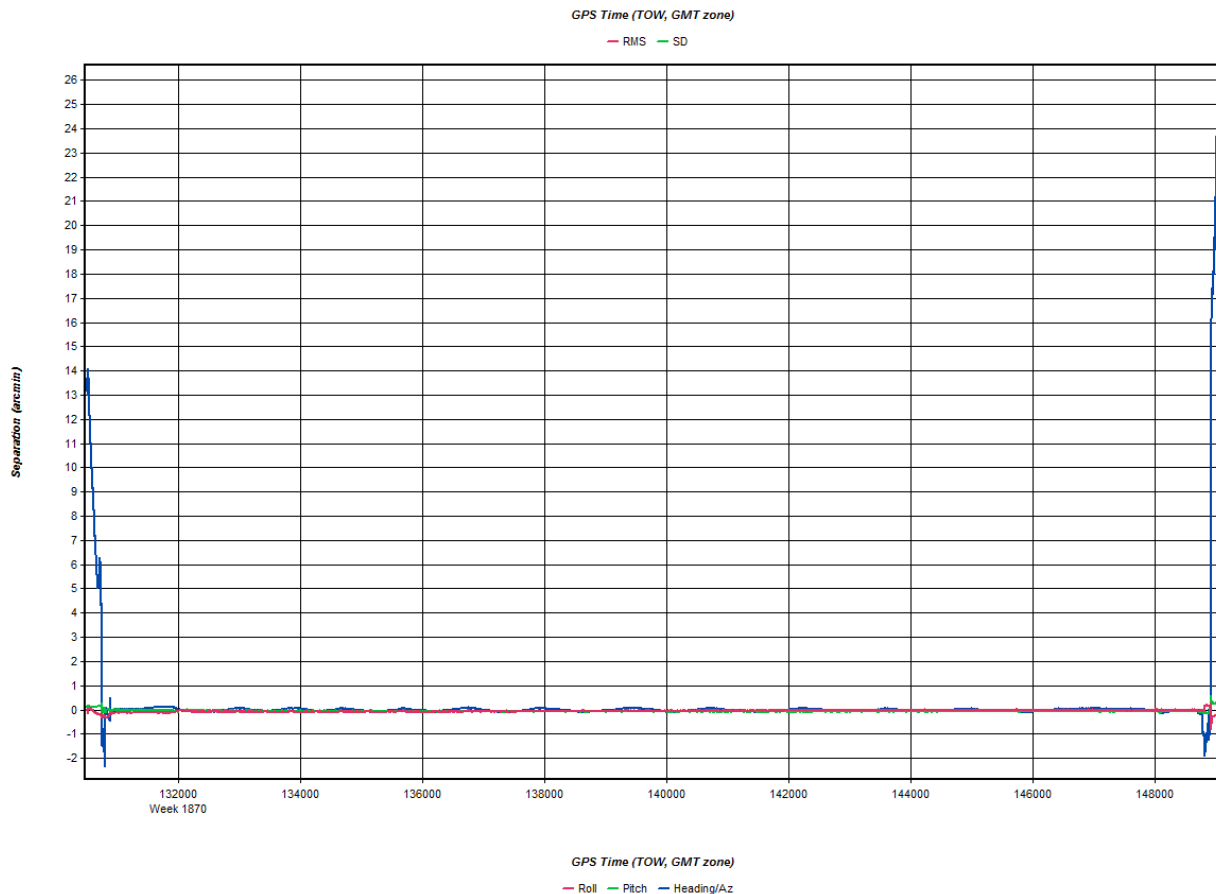
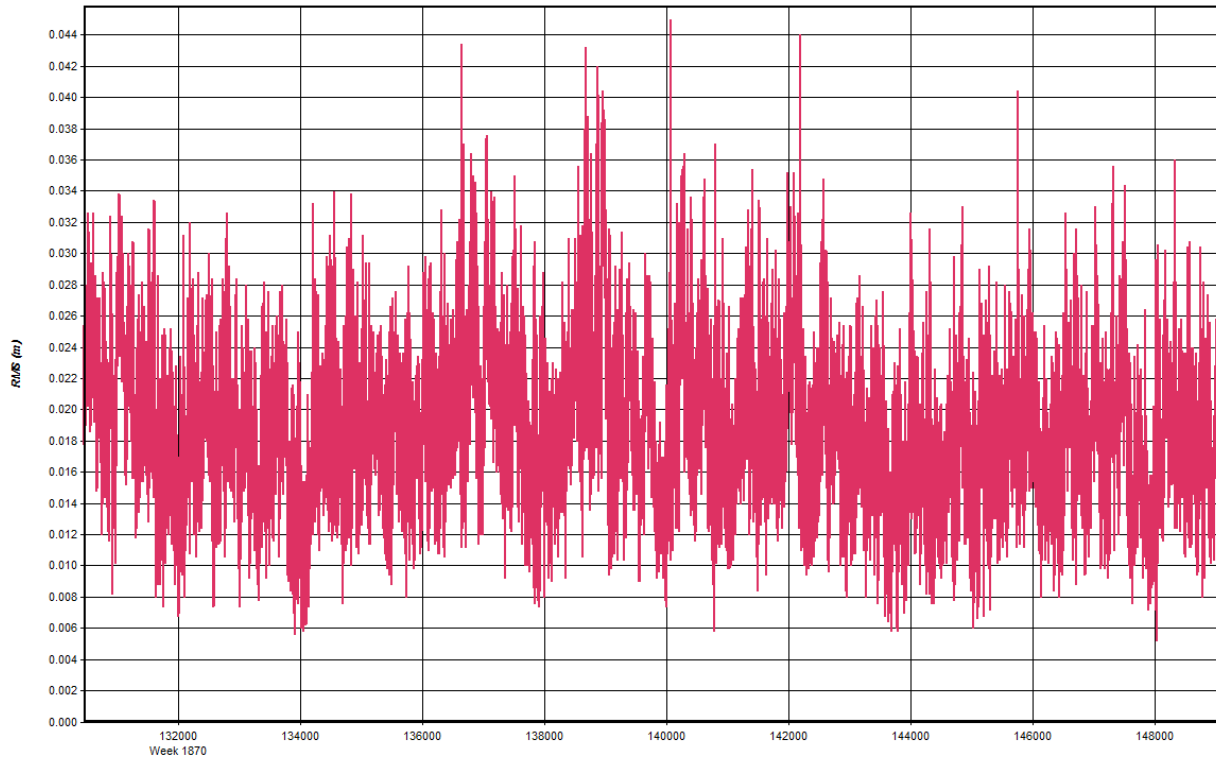
Nov 09, 2015-A (N1107Q, SN7108)

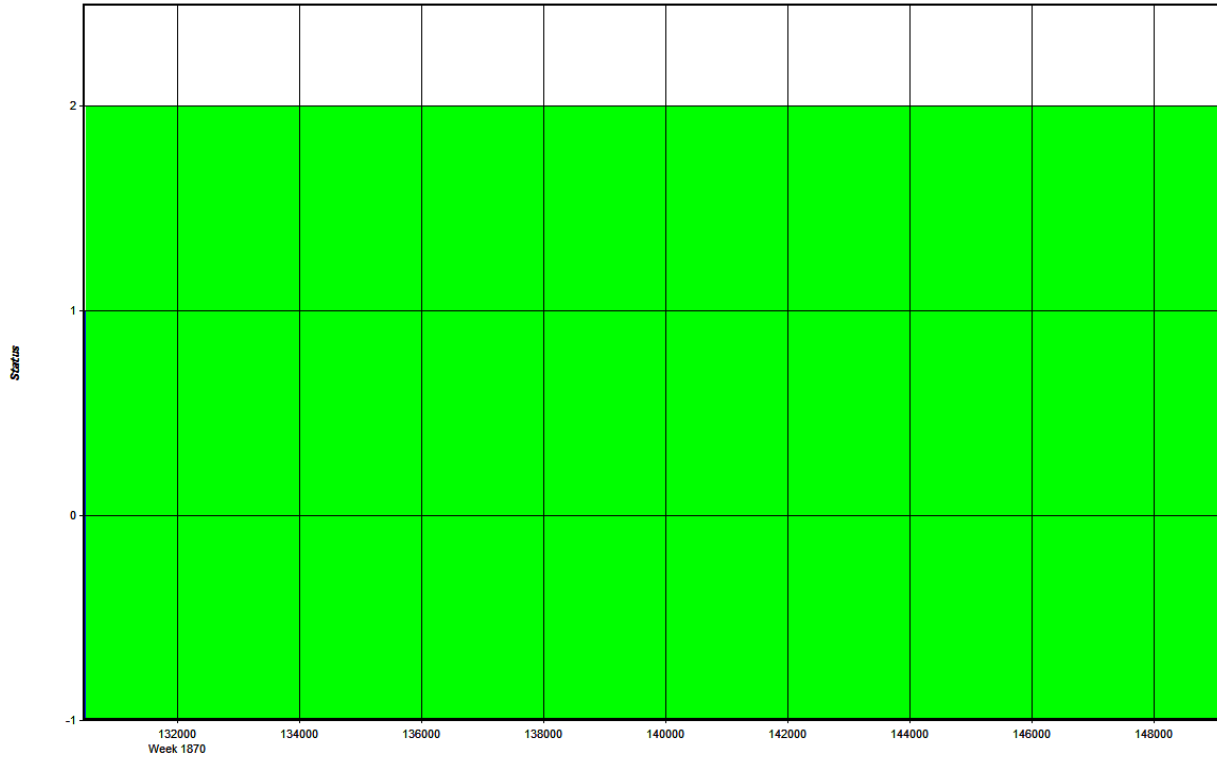












GPS Time (TOW, GMT zone)

— Float
 — Forward Fixed
 — Reverse Fixed
 — Fixed (2 or more)

Coordinate/Antenna Settings

Master Remote

Base Station
 1: VTD2_CORS Name: VTD2_CORS Disabled
 File: S:\LIDAR\26817_Windham_County_VT\Raw_Data\Day31315_S

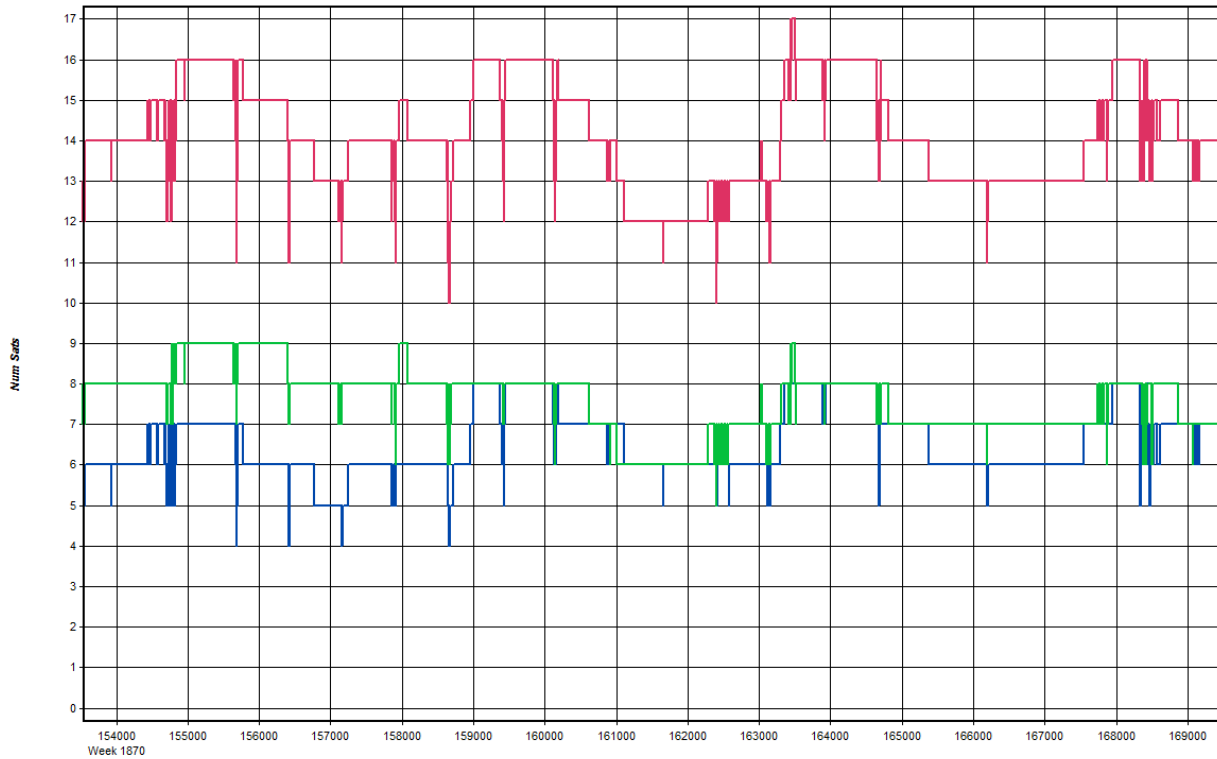
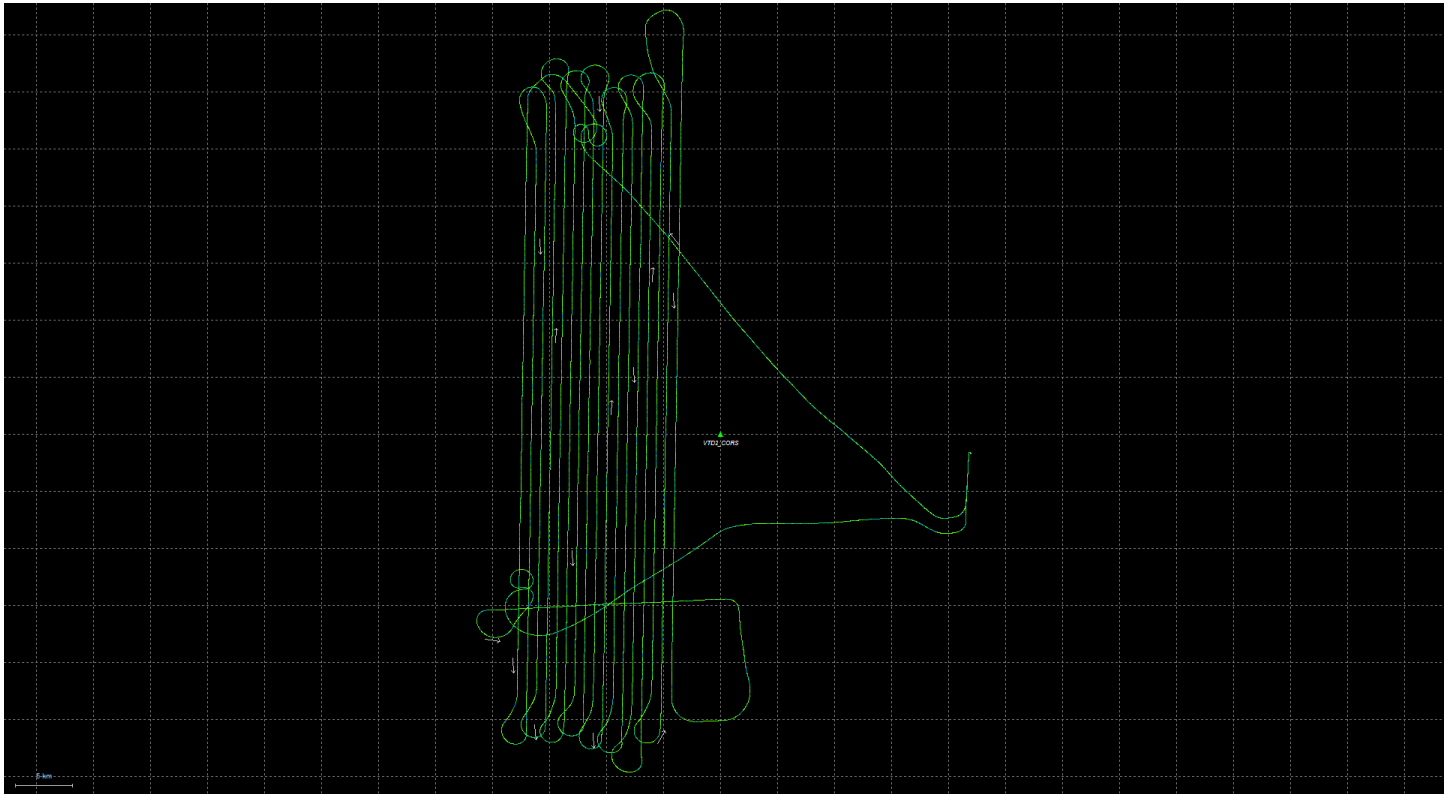
Coordinates
 Latitude: North 42 55 06.10798
 Longitude: West 72 32 06.44140
 Ellipsoidal height: 98.040 m
 Datum: NAD83(2011)

Antenna Height
 From station file: TRM55971.00, NONE
 Antenna profile: TRM55971.00
 Measured height: 0.000 m Measured to:
 ARP to L1 offset: 0.067 m ARP
 Applied height: 0.000 m L1 Phase Centre

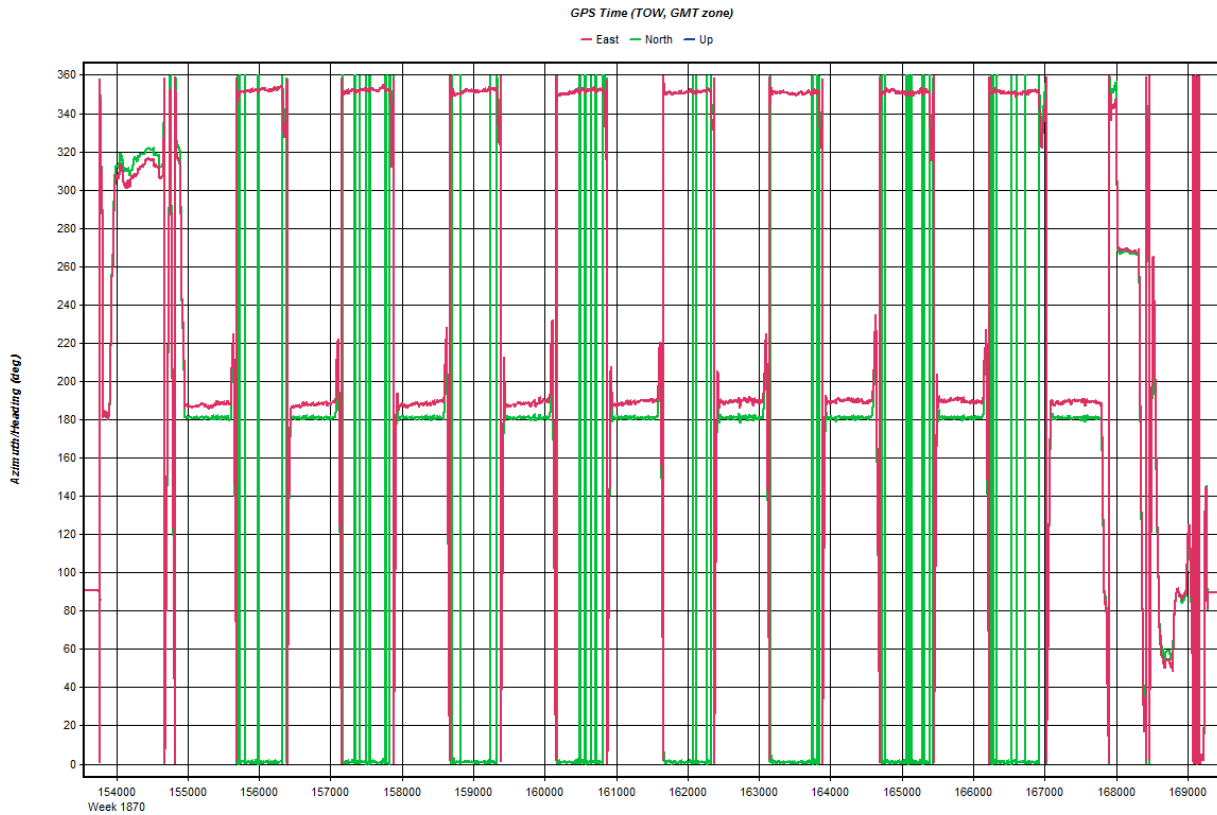
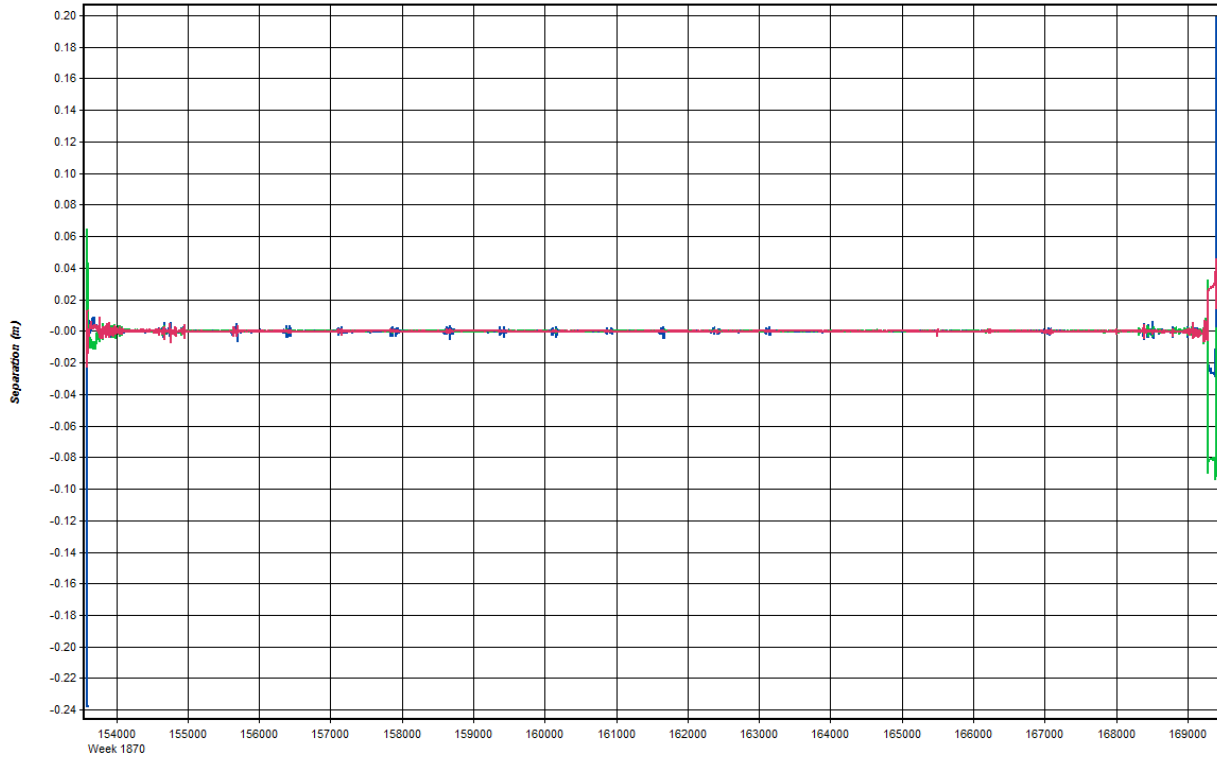
Flight Log

Woolpert														
Leica LIDAR		Date/Time	UAV/Type	Project	Flight	Windham VT Lidar Quantum								
Operator		11/9/2015	313	75036	1	Windham VT Lidar Quantum								
Model		N110/7L		2845.6	J-AS500	124300	WOOCPERT-FIN							
SWA/N		ACS-7306		2850.5	1250600	1720600	KEEN							
Wind Dir/Speed		Wability	Ceiling	Cloud Cover %	Temp	Baro/Alt	Pressure	Haze/Fine/Cloud	Departing	KEEN				
cat/mph		10	Clear		-3	7	30.42		Arriving	KEEN				
Scan Angle (FOV)		Scan Frequency (Hz)		Pulse Rate (kHz)		Laser Power %		Fixed Gain	255	Mode	Threshold Values			
40		39.4		263		100		Gain - Course/Up	Single	A	215			
								Gain - Fine/Down	Multi	X	B	195		
Air Speed		AGL	MSL	Waveform Used		Waveform Mode		Pre-Trigger Dist.						
150		kts	6808	Ft	Varies	Ft	Yes	No	X	@	115	Ft		
Line #	Dir.	Line Start Time	Line End Time	Time On Line	SVs	HDOP	PDOP	Line Notes/Comments						
Test	n/a	↑ Times entered are Zulu / GMT ↓					GPS Began Logging At:		12:14:45					
											Verify 5-Turns Before Mission	Yes	X	No
1	N	12:43:24	12:47:42	0:04:18	17	0.6	1.2	Takeoff: 1222z						
2	S	12:50:24	12:54:22	0:03:58	17	0.6	1.2	Flight "A"						
3	N	12:57:42	13:02:01	0:04:19	17	0.6	1.2							
4	S	13:04:52	13:09:11	0:04:19	17	0.7	1.1							
5	N	13:11:50	13:16:11	0:04:21	16	0.7	1.2							
6	S	13:18:51	13:23:04	0:04:13	18	0.6	1							
7	N	13:25:25	13:29:50	0:04:25	18	0.6	1	dropouts - lake						
8	S	13:33:08	13:40:07	0:06:59	18	0.6	1							
9	N	13:42:34	13:46:19	0:03:45	19	0.6	1.1							
10	S	13:51:35	13:57:53	0:06:18	18	0.6	1							
11	N	14:00:22	14:06:35	0:06:13	18	0.6	1							
12	S	14:09:47	14:16:42	0:06:55	18	0.6	1							
13	N	14:19:14	14:28:46	0:09:32	18	0.6	1							
14	S	14:31:10	14:40:39	0:09:29	18	0.6	1							
15	N	14:43:06	14:52:47	0:09:41	18	0.6	1							
16	S	14:55:16	15:04:44	0:09:28	18	0.6	1							
17	N	15:07:14	15:16:44	0:09:30	18	0.6	1							
18	S	15:19:17	15:28:24	0:09:07	15	0.7	1.3							
19	N	15:30:52	15:40:10	0:09:18	15	0.7	1.2							
20	S	15:42:46	15:51:56	0:09:10	15	0.7	1.1							
21	N	15:54:23	16:03:39	0:09:16	15	0.7	1.3							
22	S	16:06:30	16:15:41	0:09:11	15	0.7	1.3							
23	N	16:18:16	16:27:38	0:09:22	15	0.7	1.3							
24	S	16:30:21	16:39:29	0:09:08	15	0.7	1.3							
25	N	16:41:51	16:51:06	0:09:15	15	0.7	1.3							
61	E	17:00:56	17:04:45	0:03:49	14	0.7	1.3	Cross-flight						
61	E	17:04:42	17:05:49	0:01:07	14	0.7	1.3	extension Manual Start/Stop						
				0:00:00	Landing 1719z									
				0:00:00	Static:17:22:00 - 17:24:00									
				0:00:00										
				0:00:00										
				0:00:00										
↑ Times entered are Zulu / GMT ↑				Page			1		Verify 5-Turns After Mission		Yes	X	No	
Additional Comments:											Drive #			
											ALS 70-1			

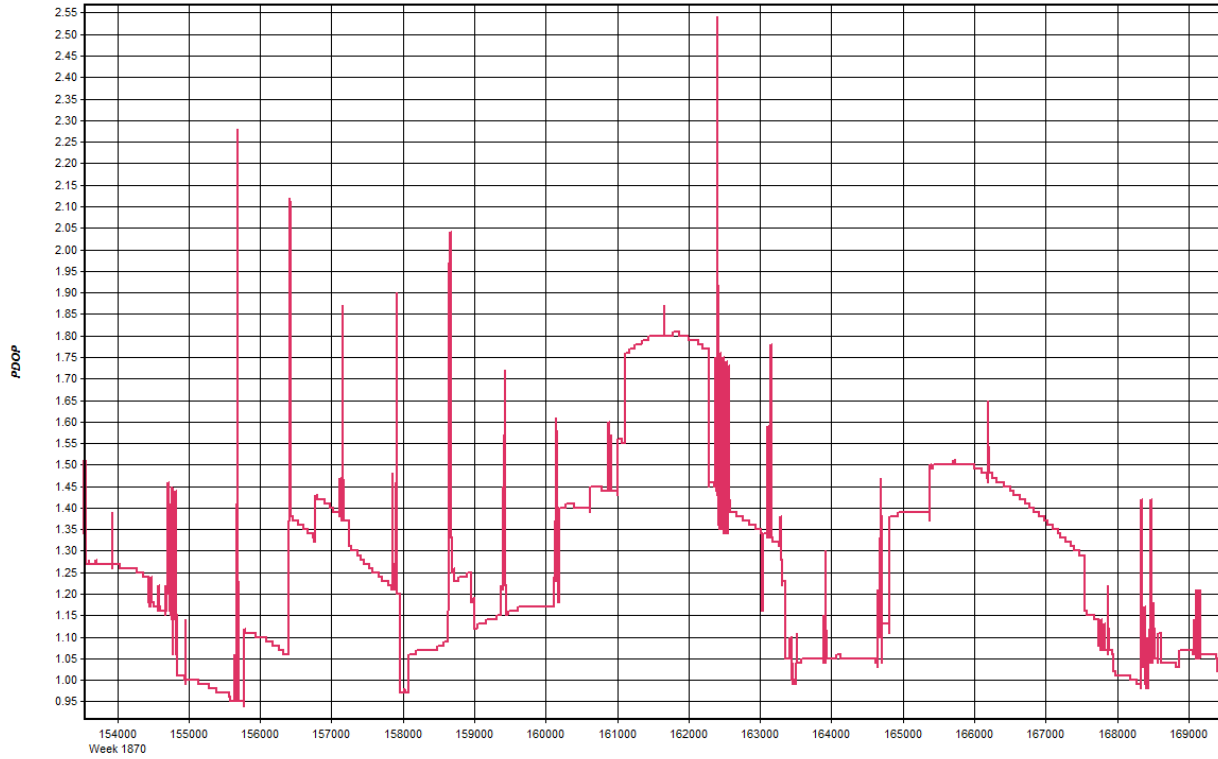
Nov 09, 2015-B (N1107Q, SN7108)



GPS Time (TOW, GMT zone)
 - Num Sats - GPS - GLONASS - BeiDou

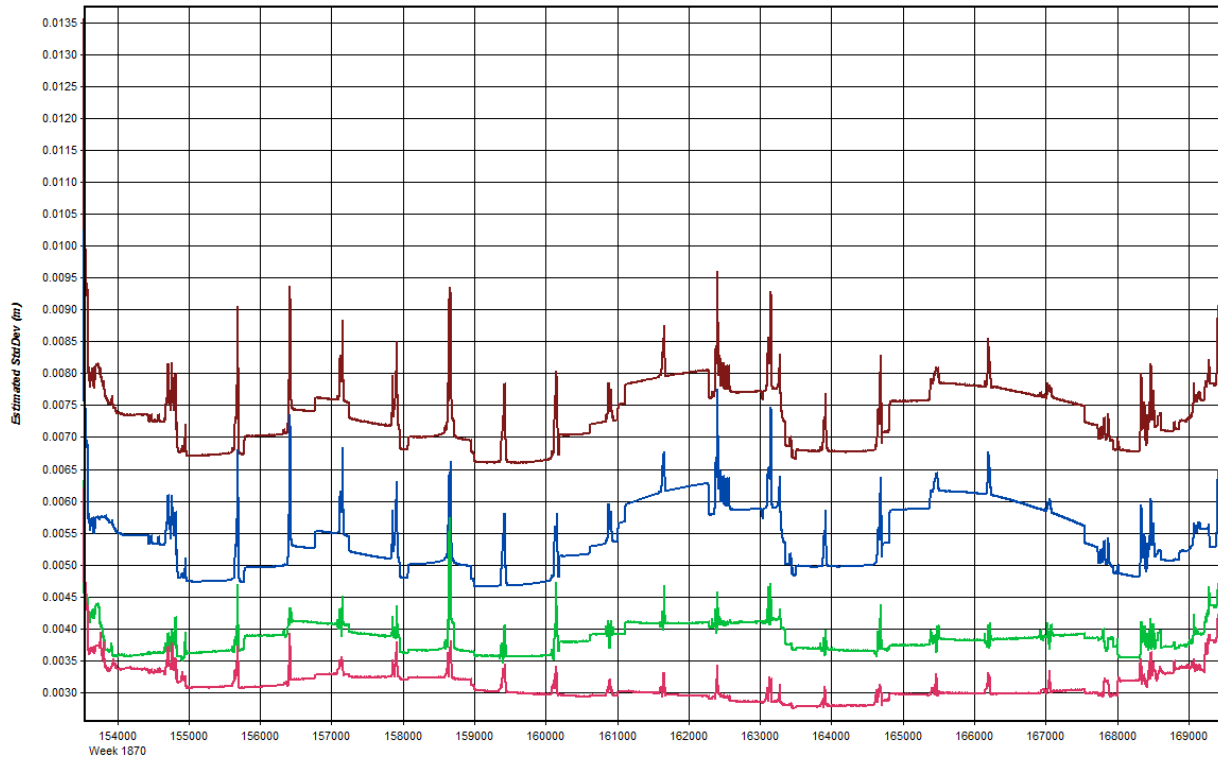


GPS Time (TOW, GMT zone)
— Heading/Azimuth — GPS-COG



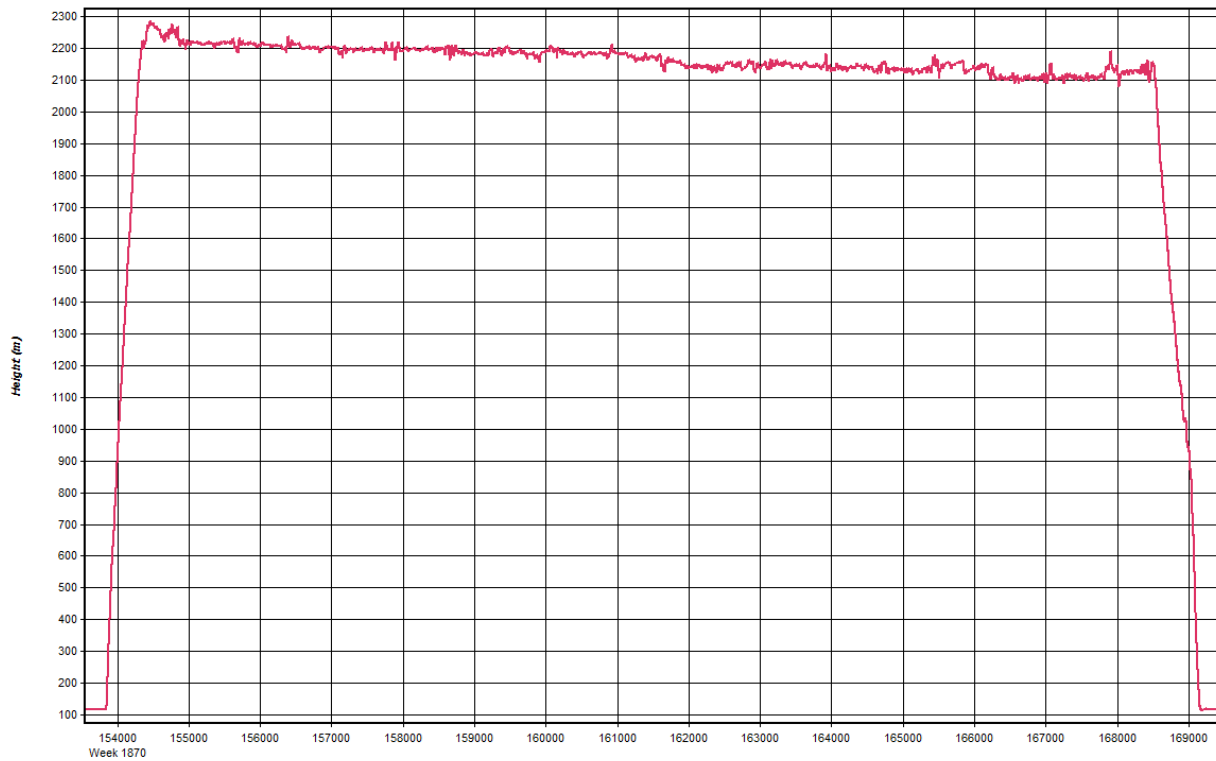
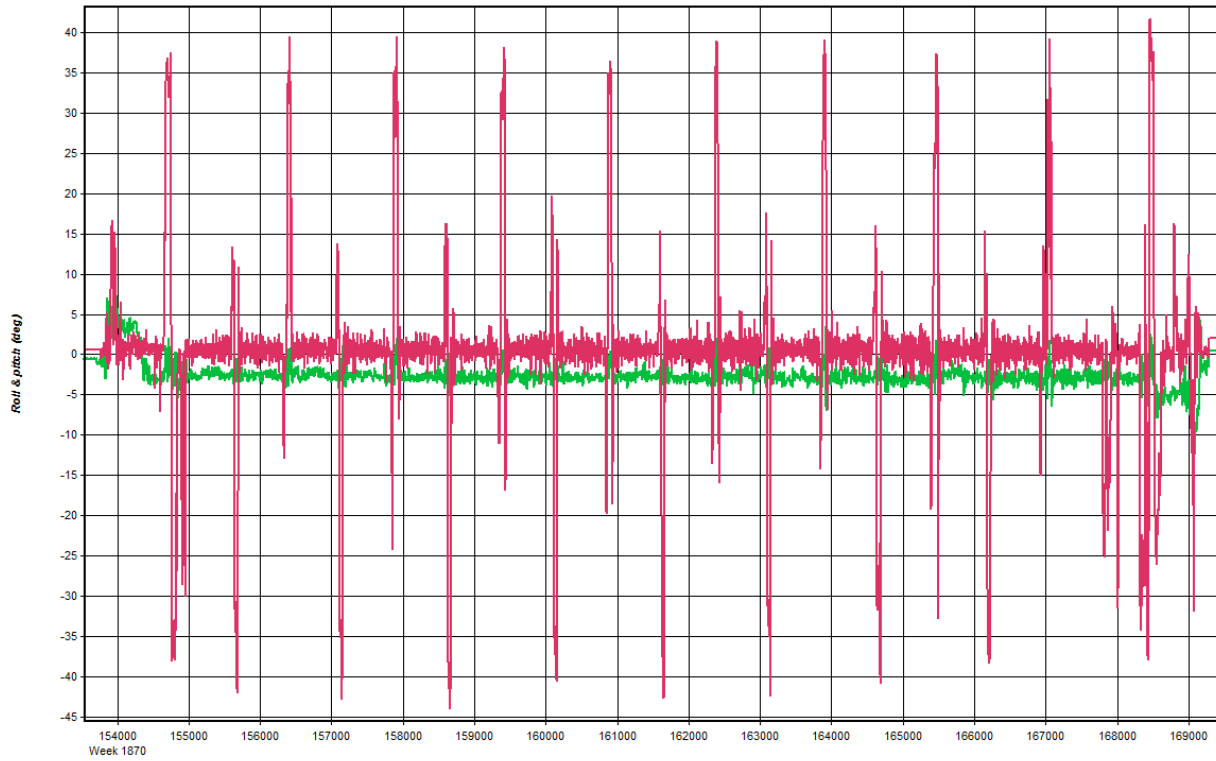
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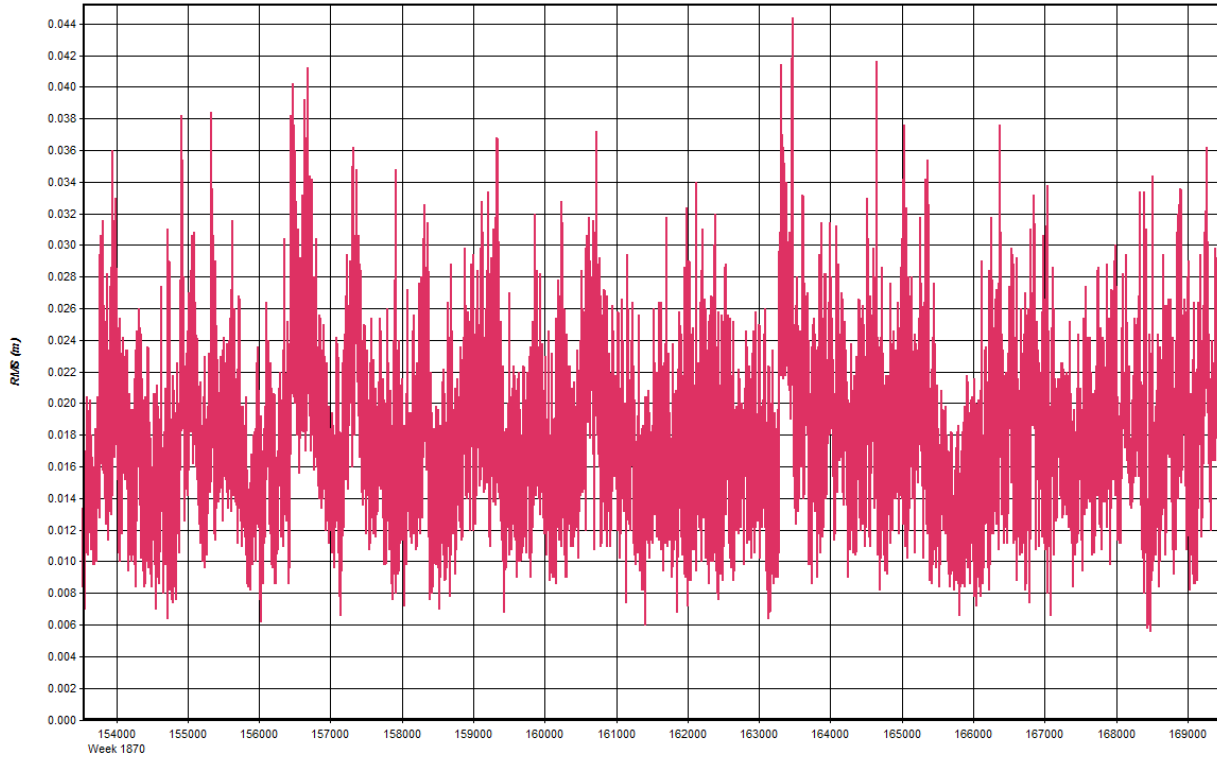
— PDOP



GPS Time (TOW, GMT zone)

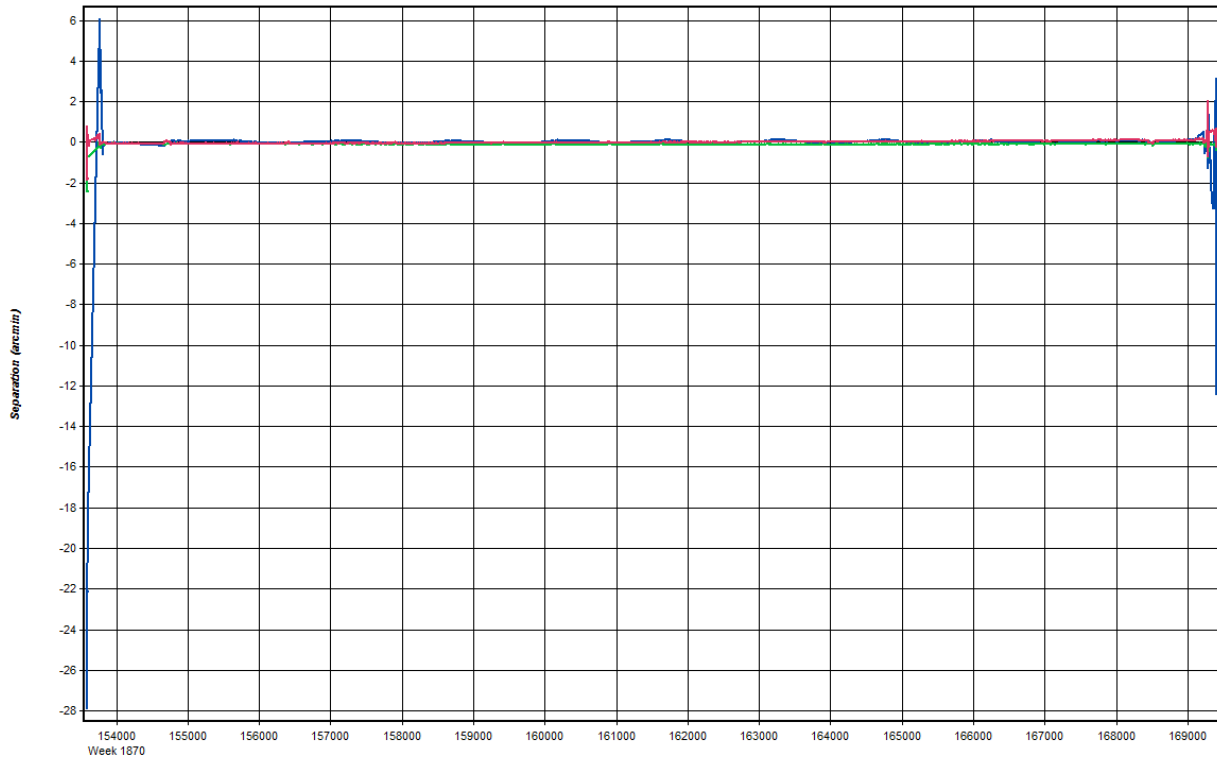
— East — North — Height — Trace





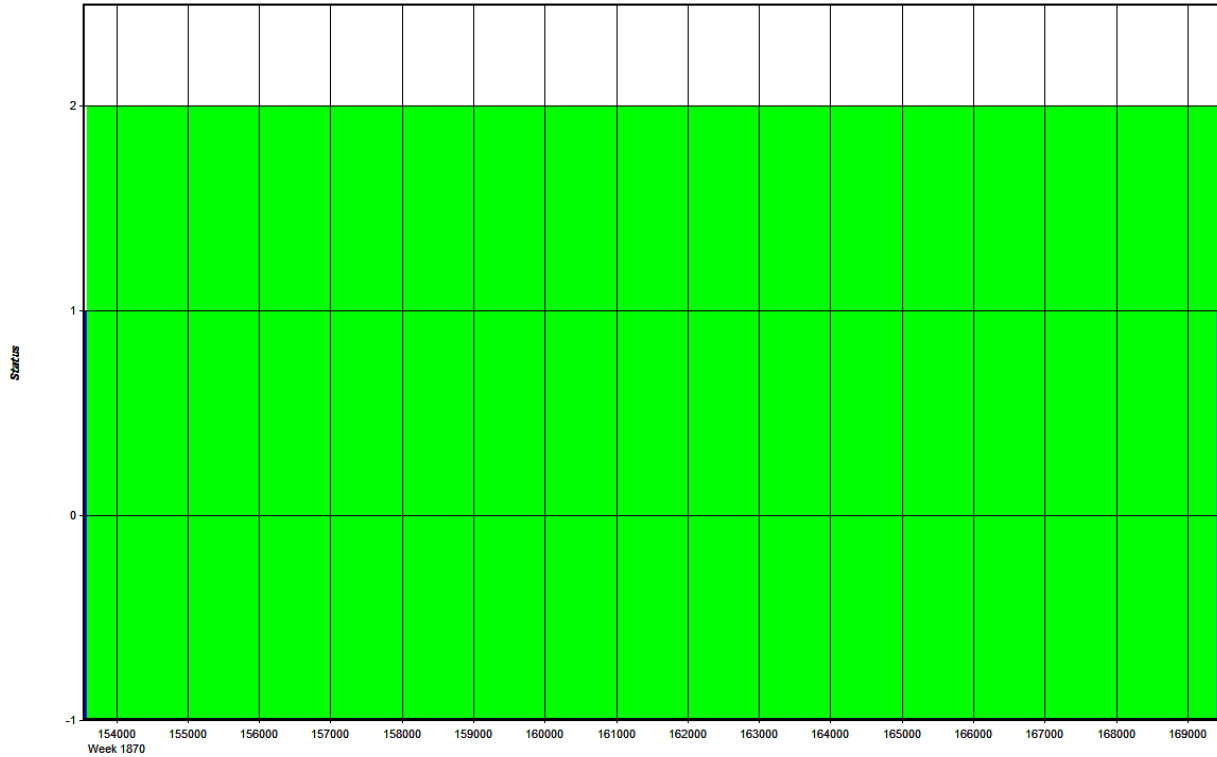
GPS Time (TOW, GMT zone)

— RMS — SD



GPS Time (TOW, GMT zone)

— Roll — Pitch — Heading/Az



GPS Time (TOW, GMT zone)

— Float — Forward Fixed — Reverse Fixed — Fixed (2 or more)

Coordinate/Antenna Settings

Master Remote

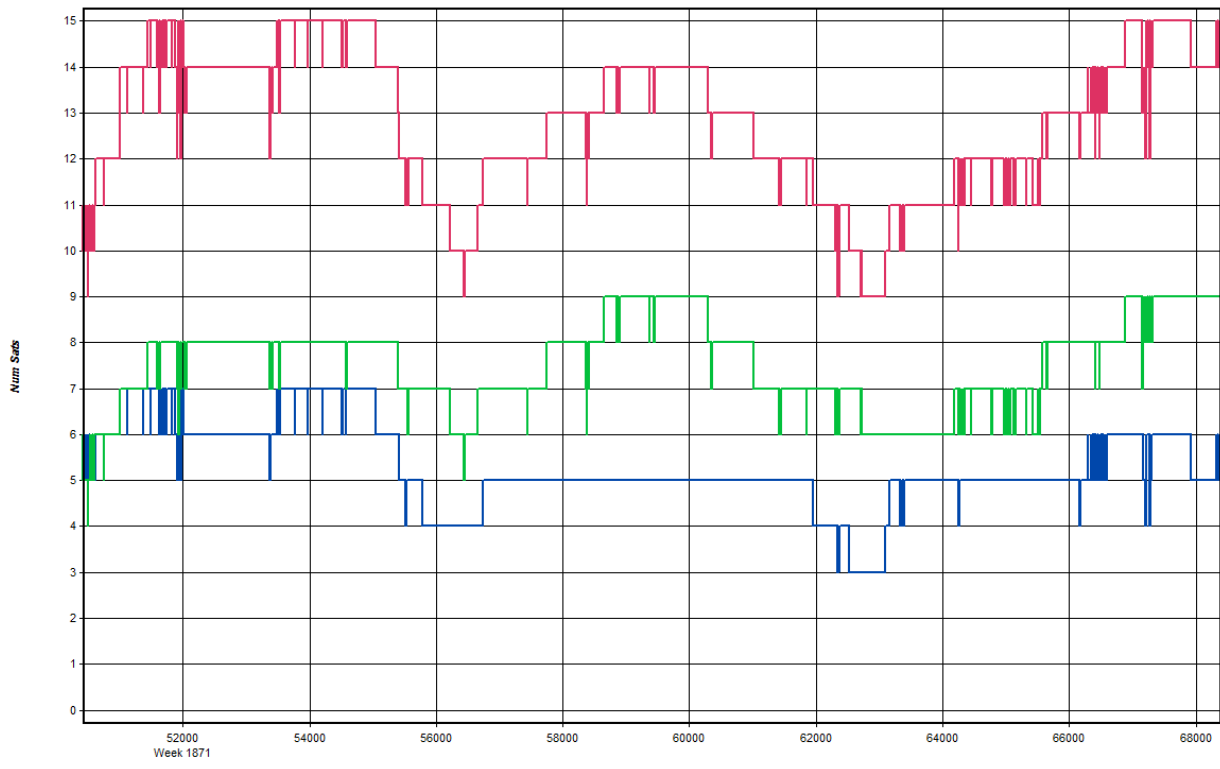
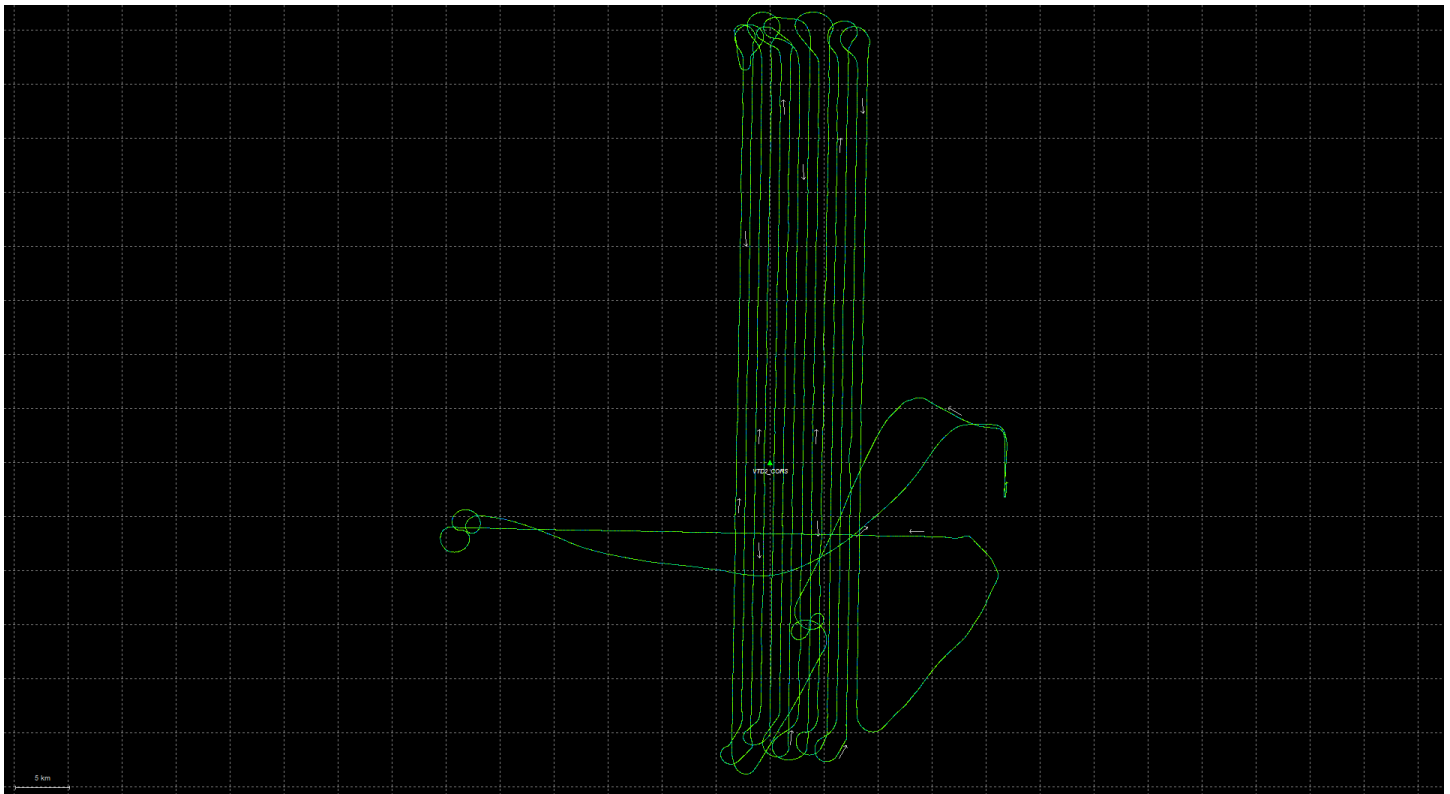
Base Station
 1: VTD2_CORS Name: VTD2_CORS Disabled
 File: E:\Proc\26817_Windham_County_VT\F9R8\Raw_Data\Day3131

Coordinates
 Latitude: North 42 55 06.10798 Compute from PPP
 Longitude: West 72 32 06.44140 Enter Grid Values
 Ellipsoidal height: 98.040 m Enter MSL Height
 Datum: NAD83(2011) Datum Options
 Select From Favorites Add To Favorites Use Average Position

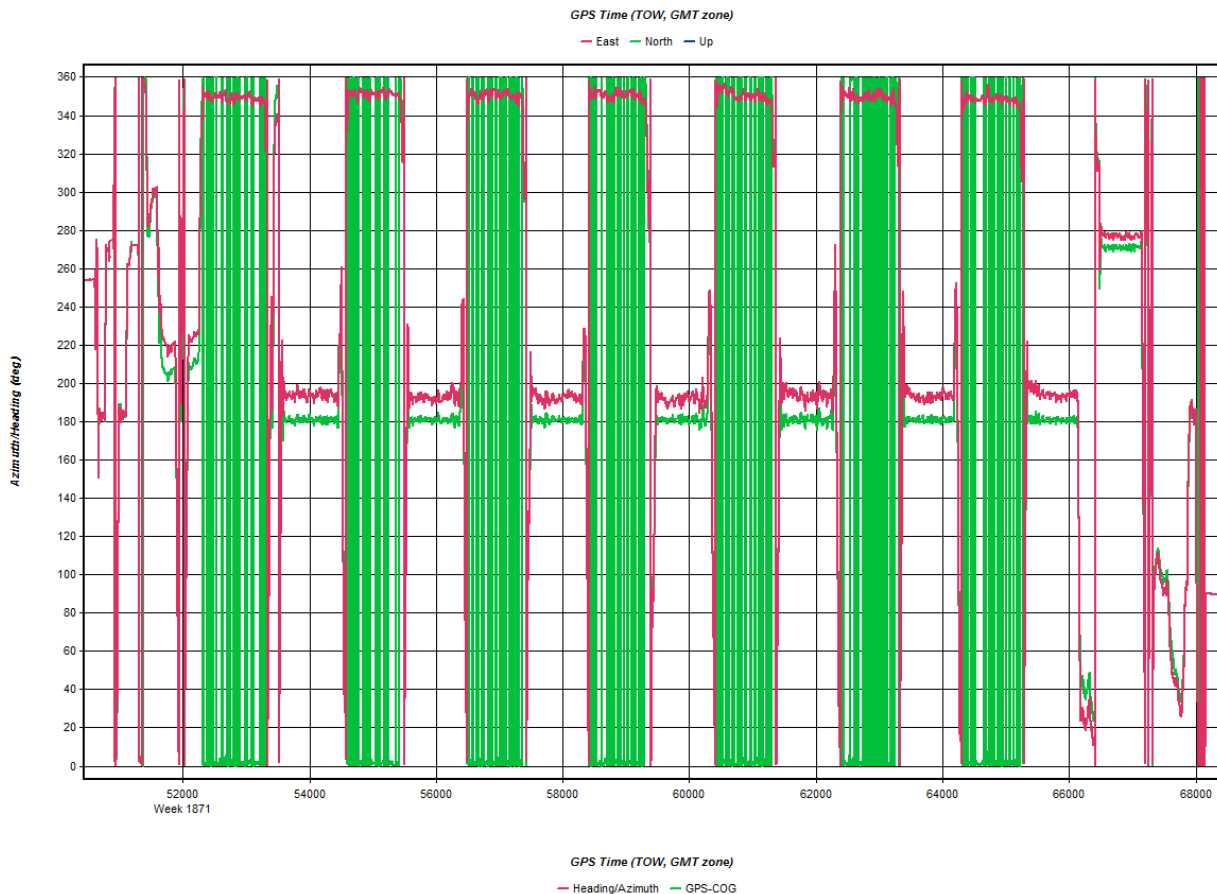
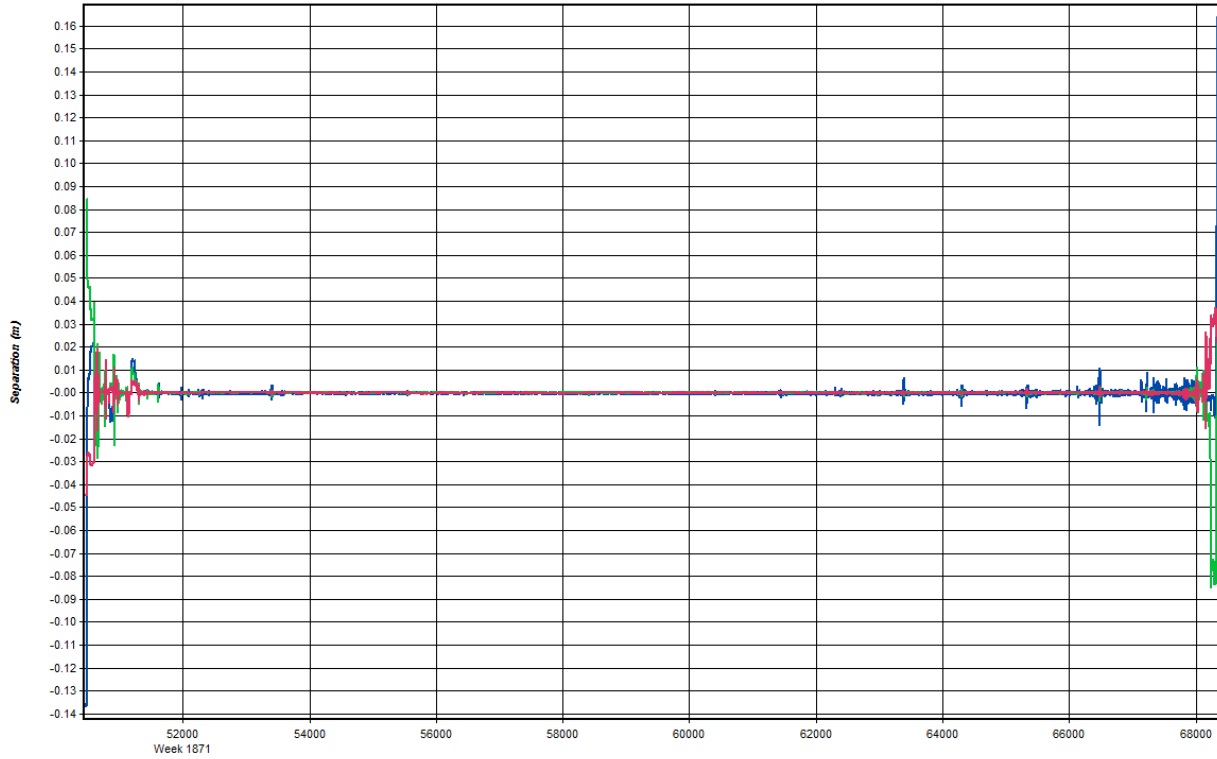
Antenna Height
 From station file: TRM55971.00, NONE View STA File
 Antenna profile: TRM55971.00 Info
 Measured height: 0.000 m
 ARP to L1 offset: 0.067 m
 Applied height: 0.000 m
 Measured to:
 ARP
 L1 Phase Centre
 Compute From Slant

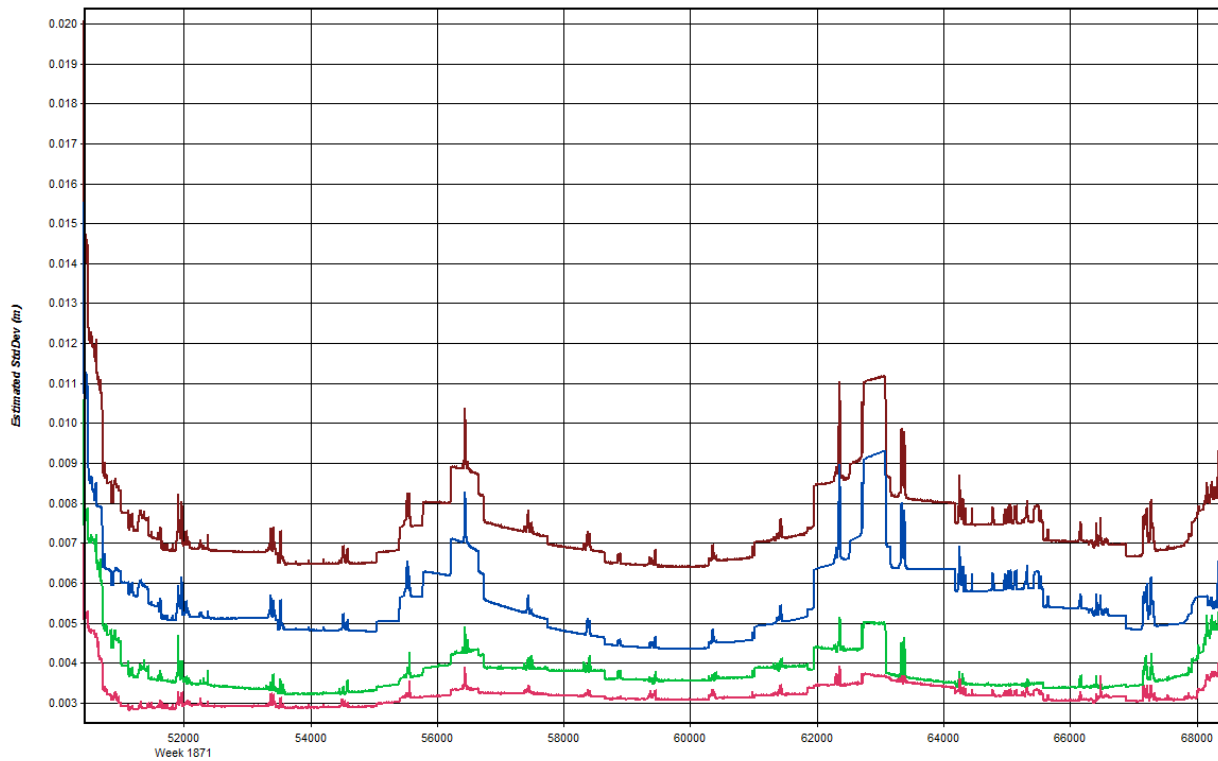
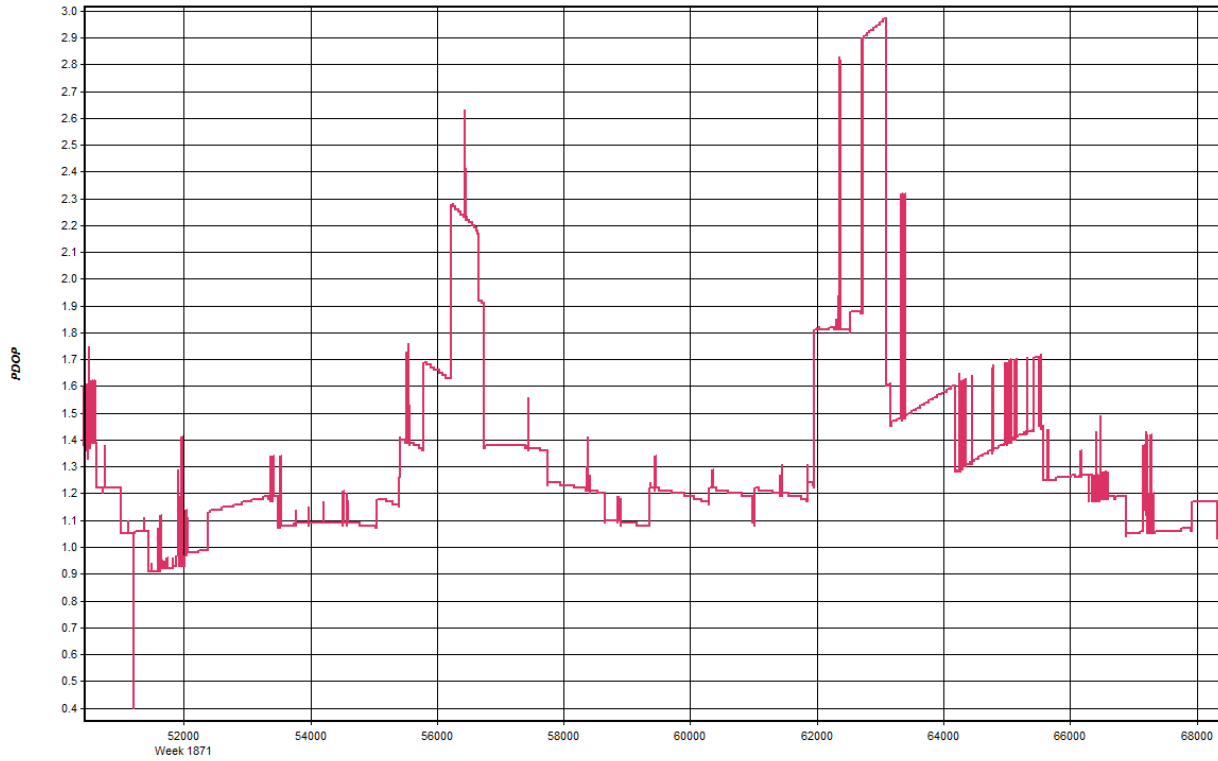
OK Cancel

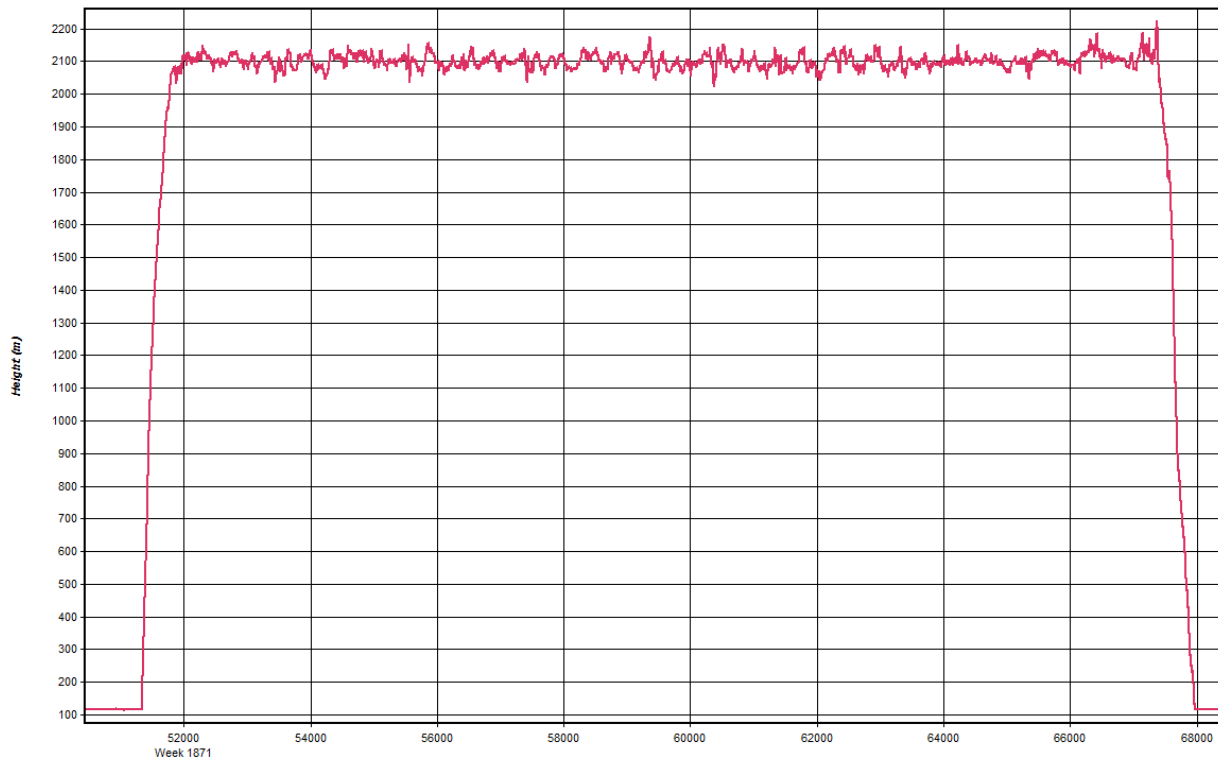
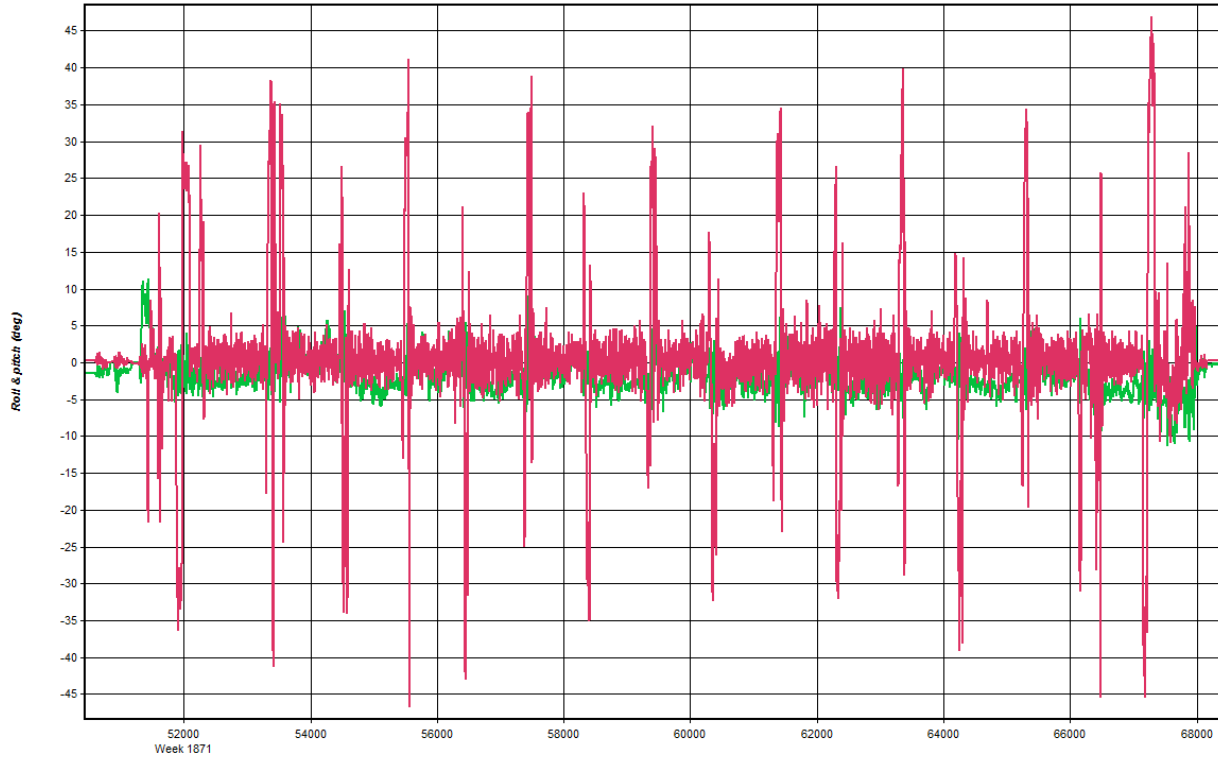
Nov 15, 2015-A (N1107Q, SN7108)

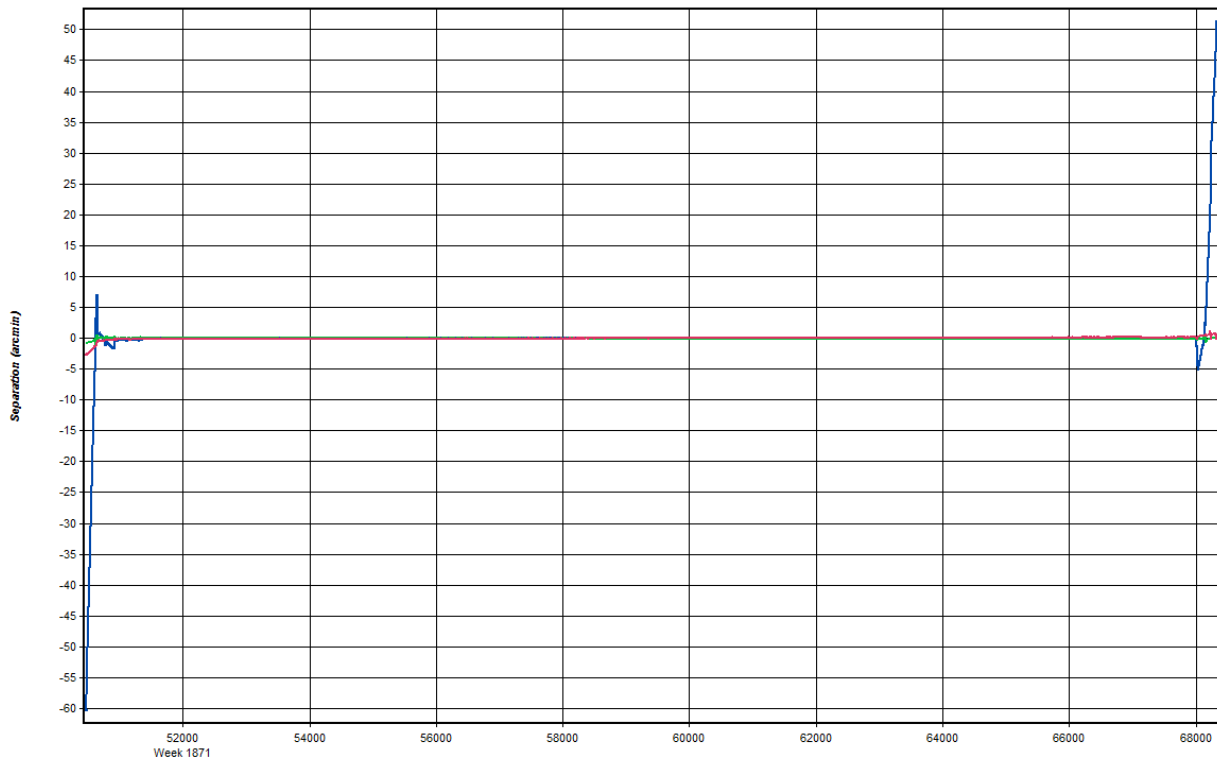
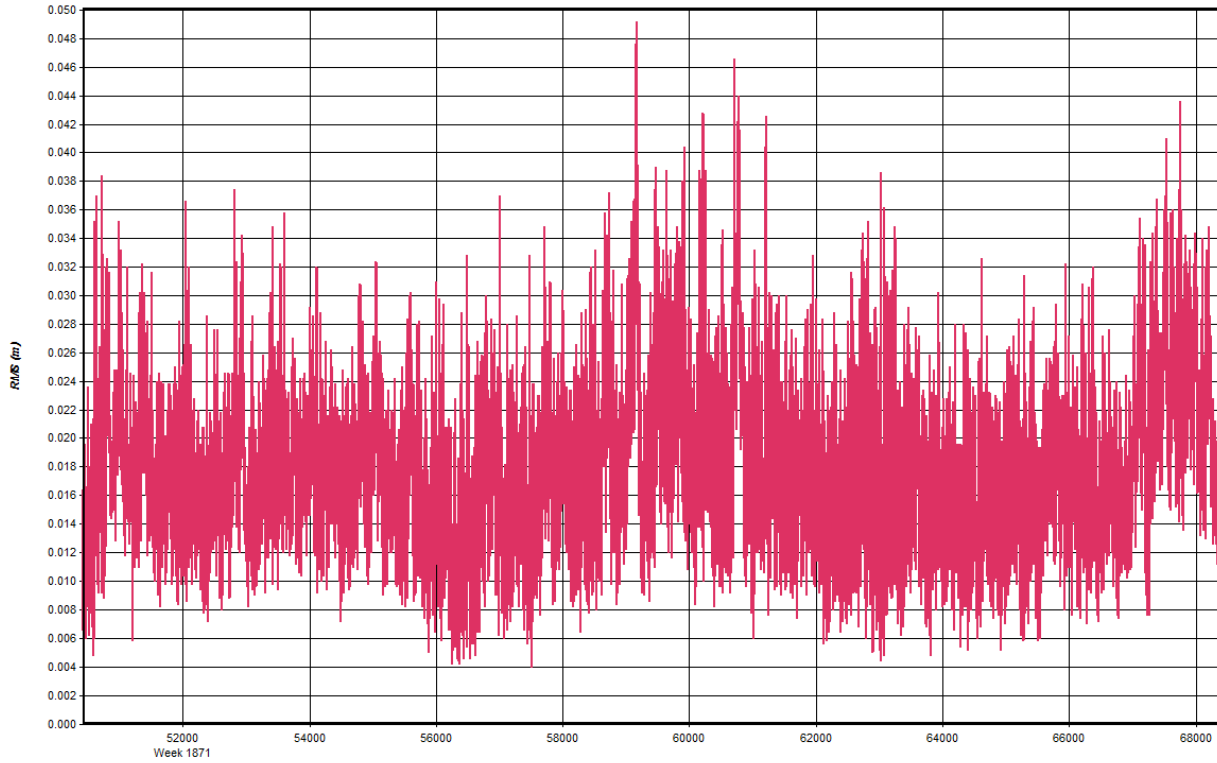


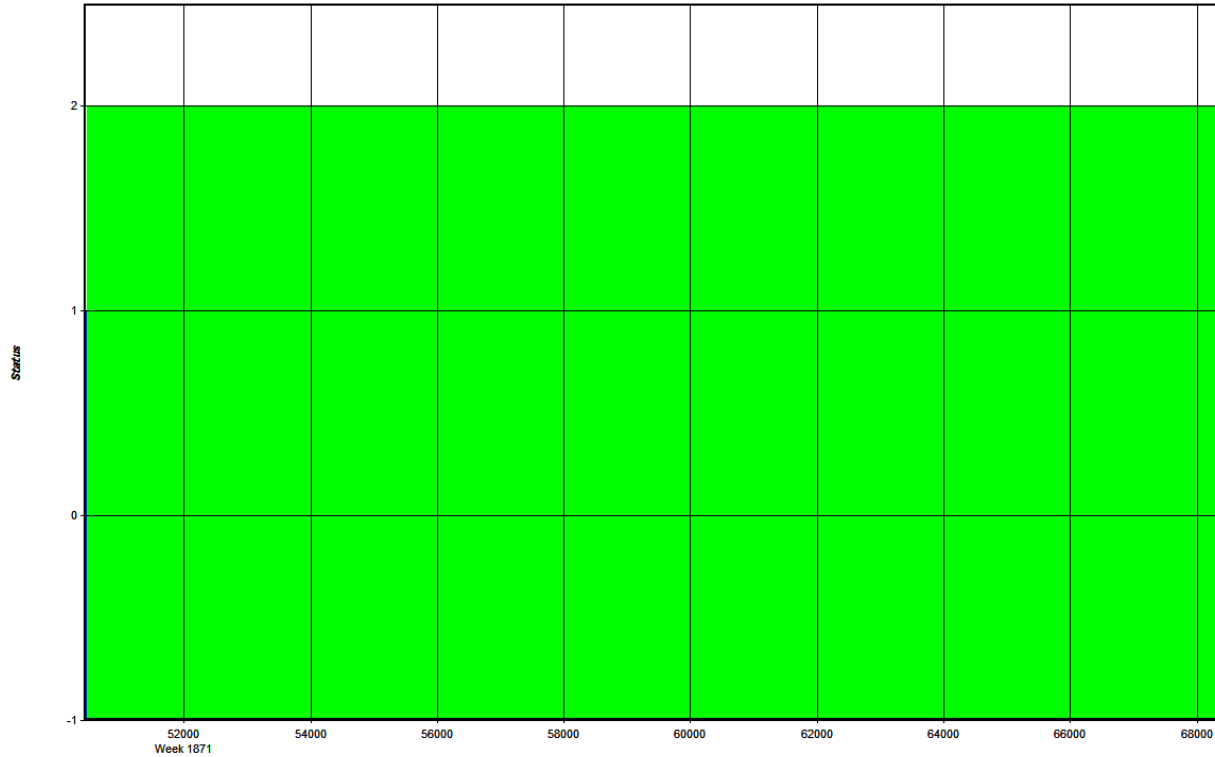
GPS Time (TOW, GMT zone)
 - Num Sats - GPS - GLONASS - BeiDou











GPS Time (TOW, GMT zone)

— Float
 — Forward Fixed
 — Reverse Fixed
 — Fixed (2 or more)

Coordinate/Antenna Settings

Master Remote

Base Station

1: VTD2_CORS Name: VTD2_CORS Disabled

File: E:\Proc\26817_Windham_County_VT\F9R8\Raw_Data\Day3191

Coordinates

Latitude: North 42 55 06.10798

Longitude: West 72 32 06.44140

Ellipsoidal height: 98.040 m

Datum: NAD83(2011)

Antenna Height

From station file: TRM55971.00, NONE

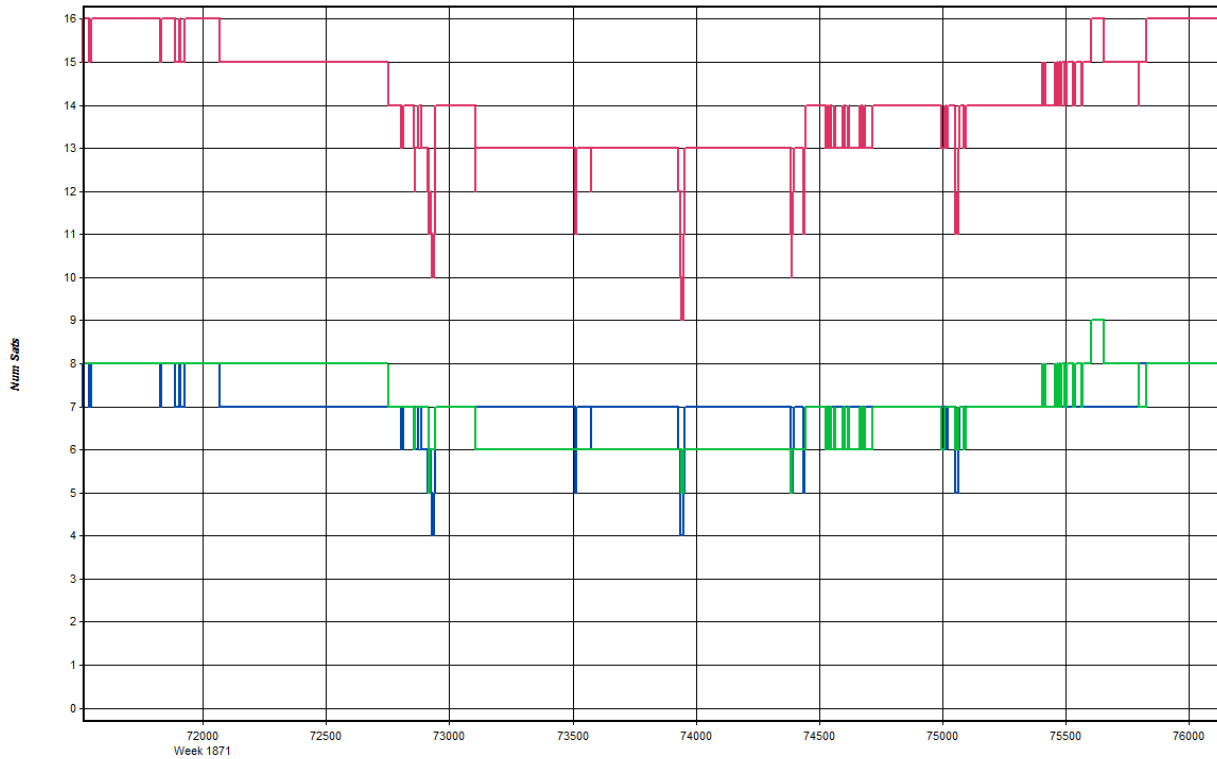
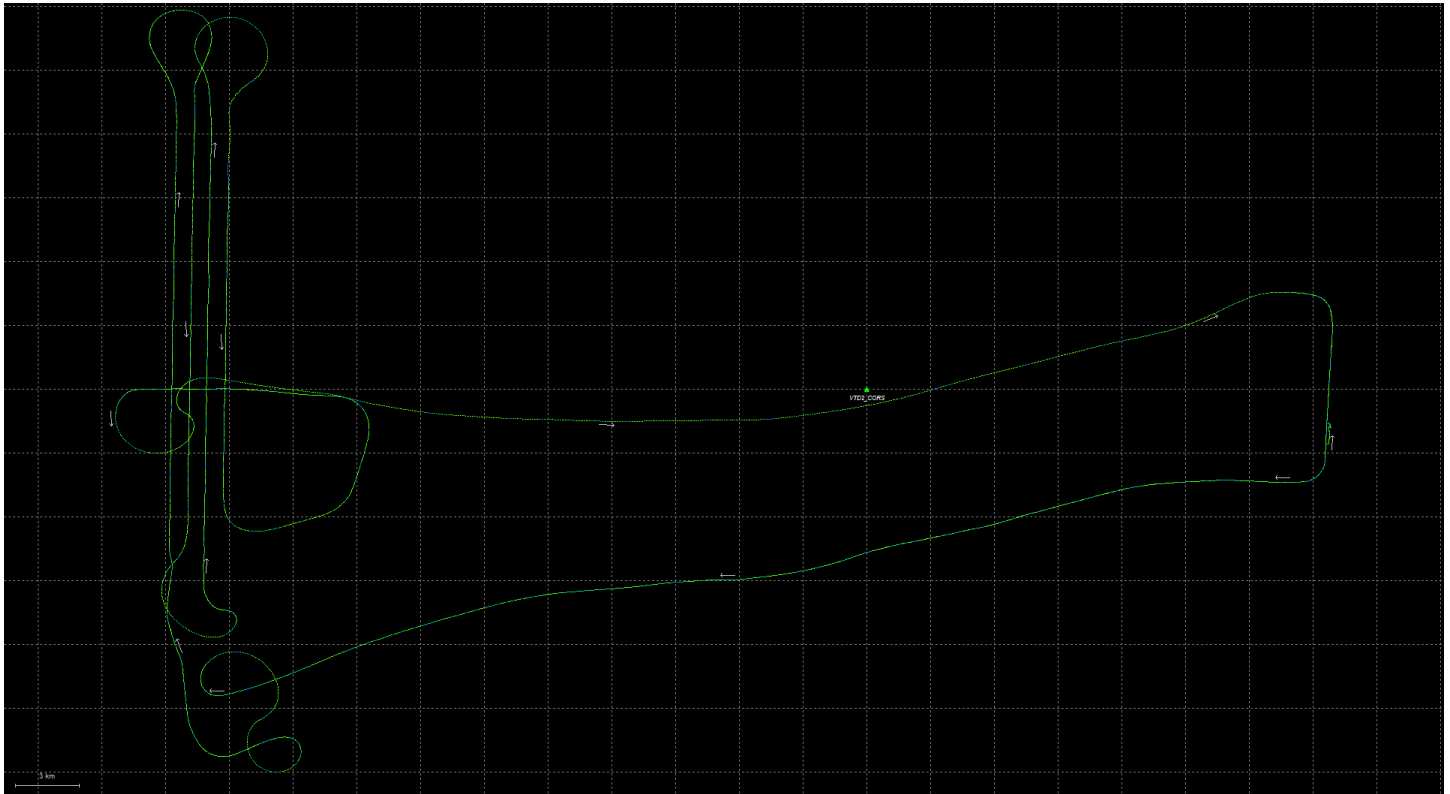
Antenna profile: TRM55971.00

Measured height: 0.000 m ARP

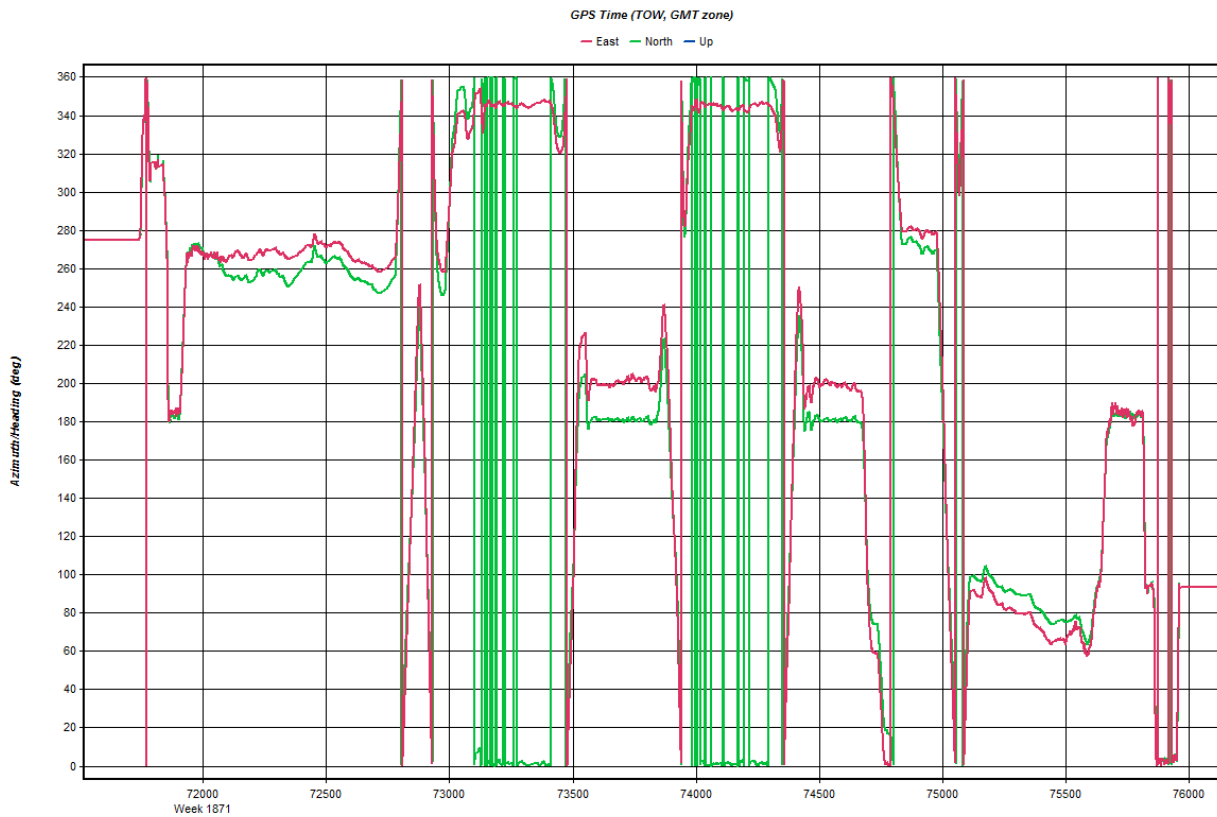
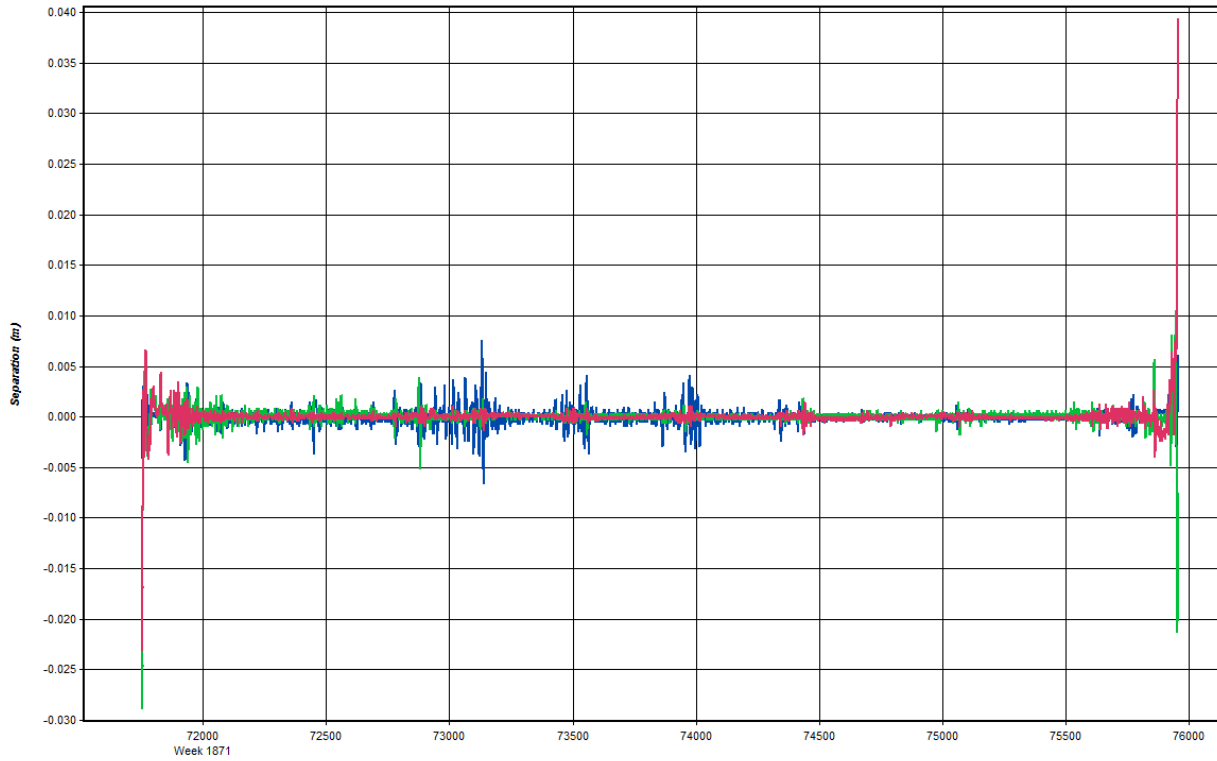
ARP to L1 offset: 0.067 m L1 Phase Centre

Applied height: 0.000 m

Nov 11, 2015-B (N1107Q, SN7108)

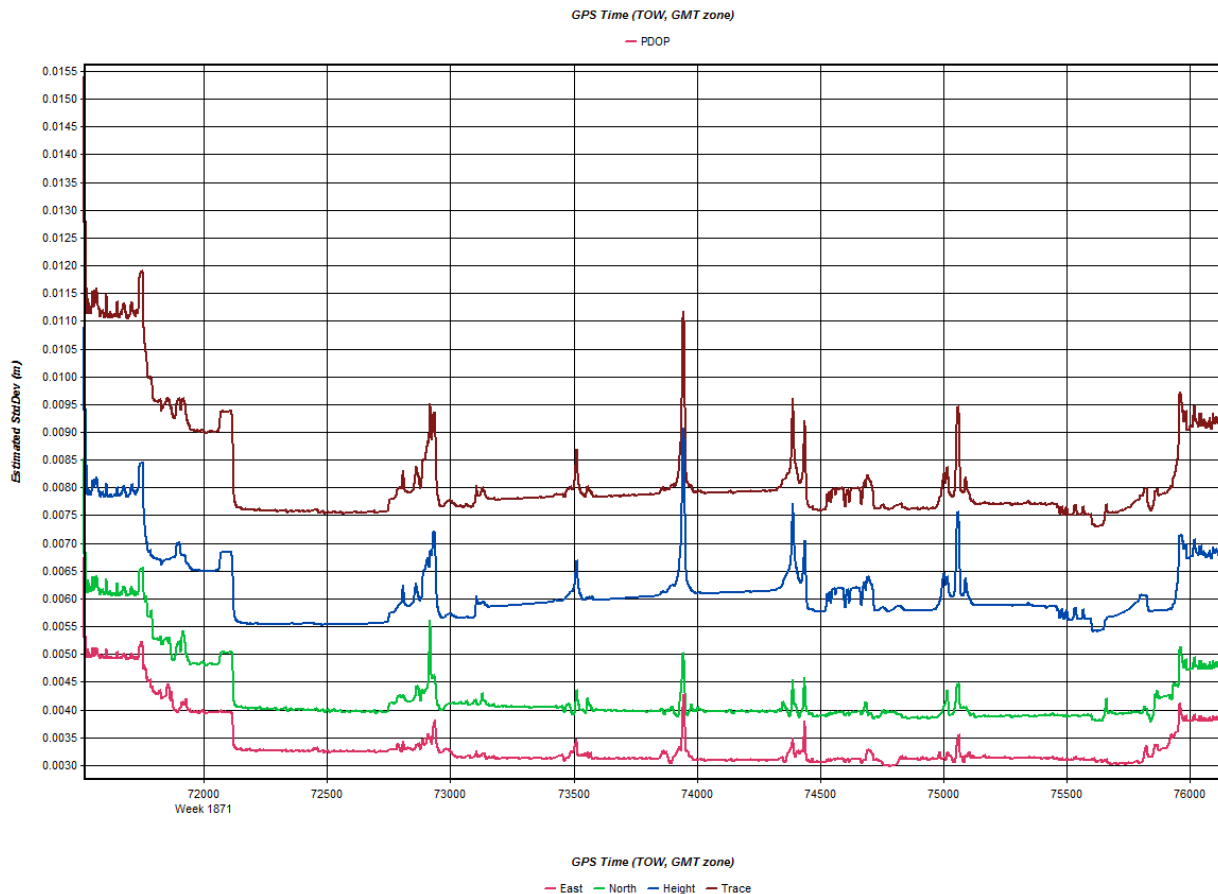
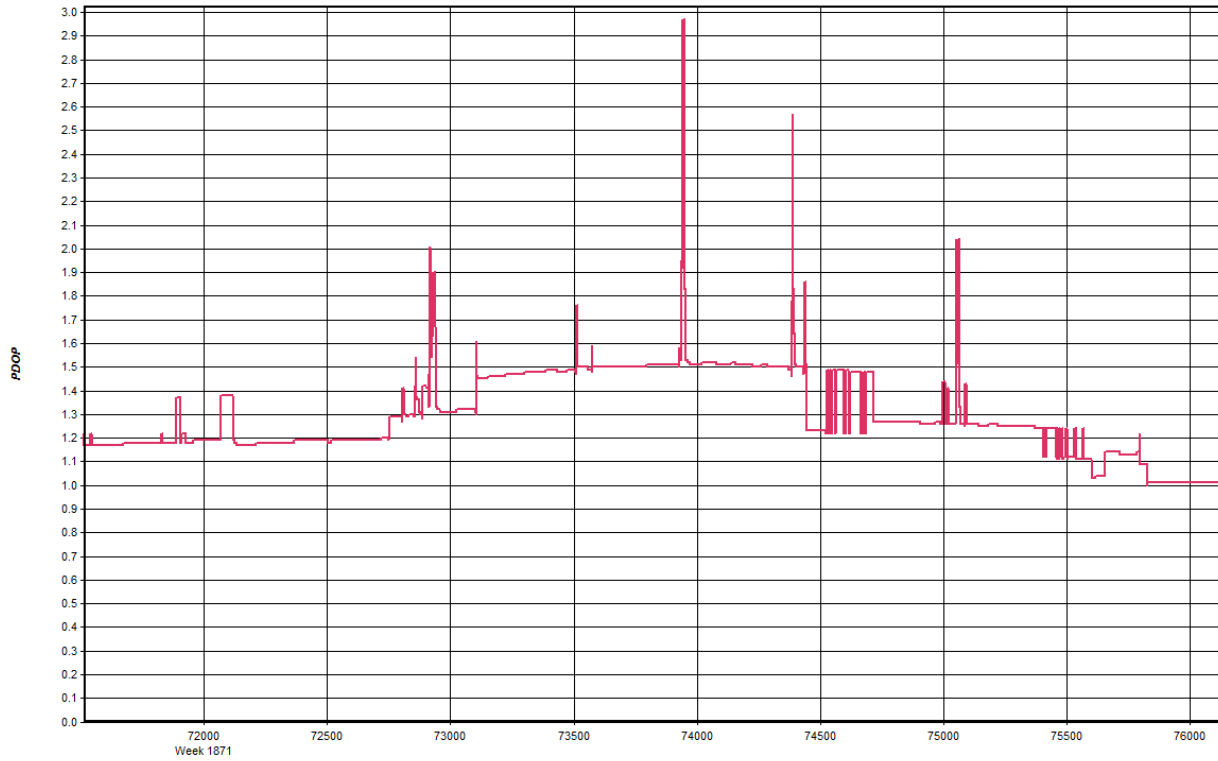


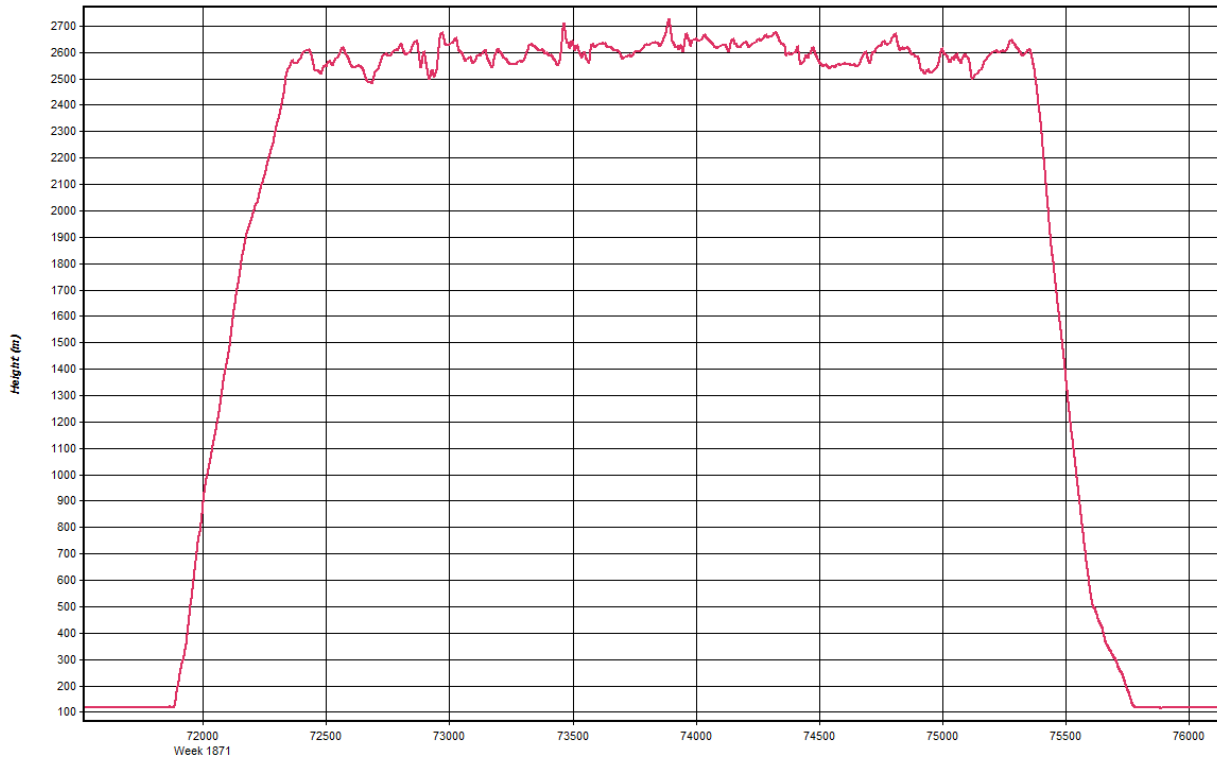
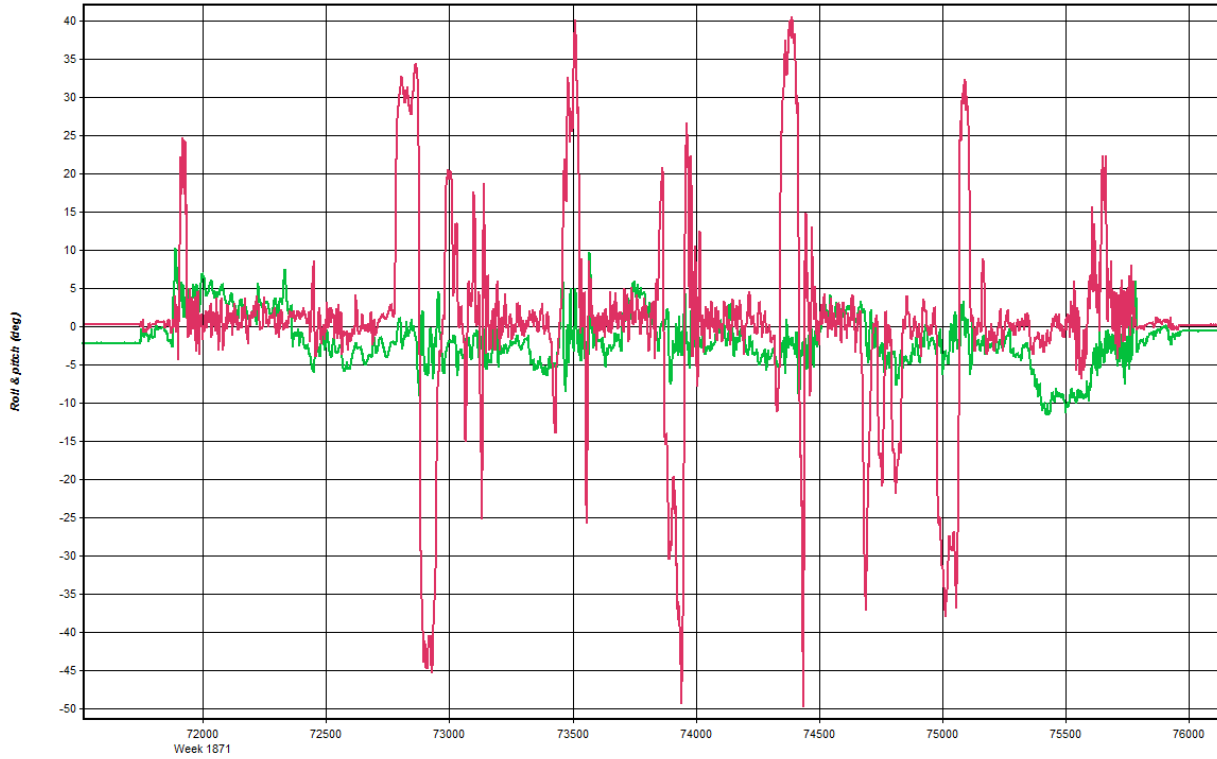
GPS Time (TOW, GMT zone)
 - Num Sats - GPS - GLONASS - BeiDou

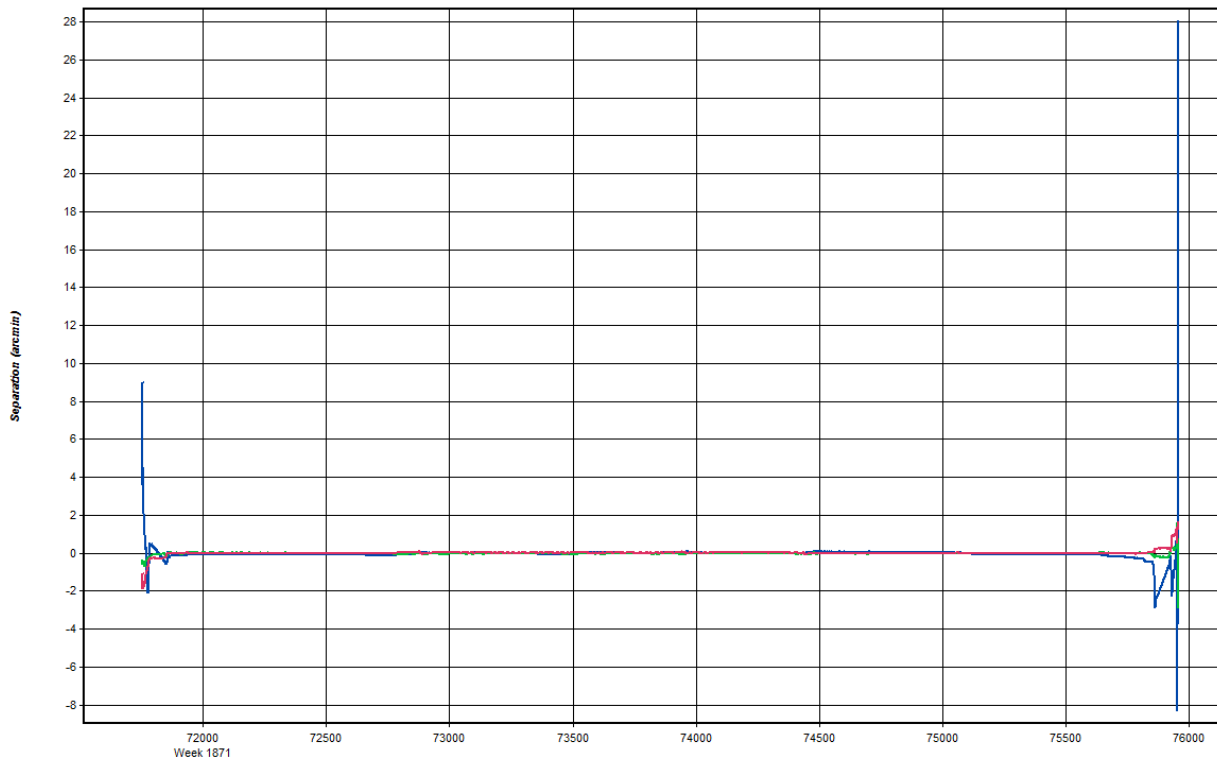
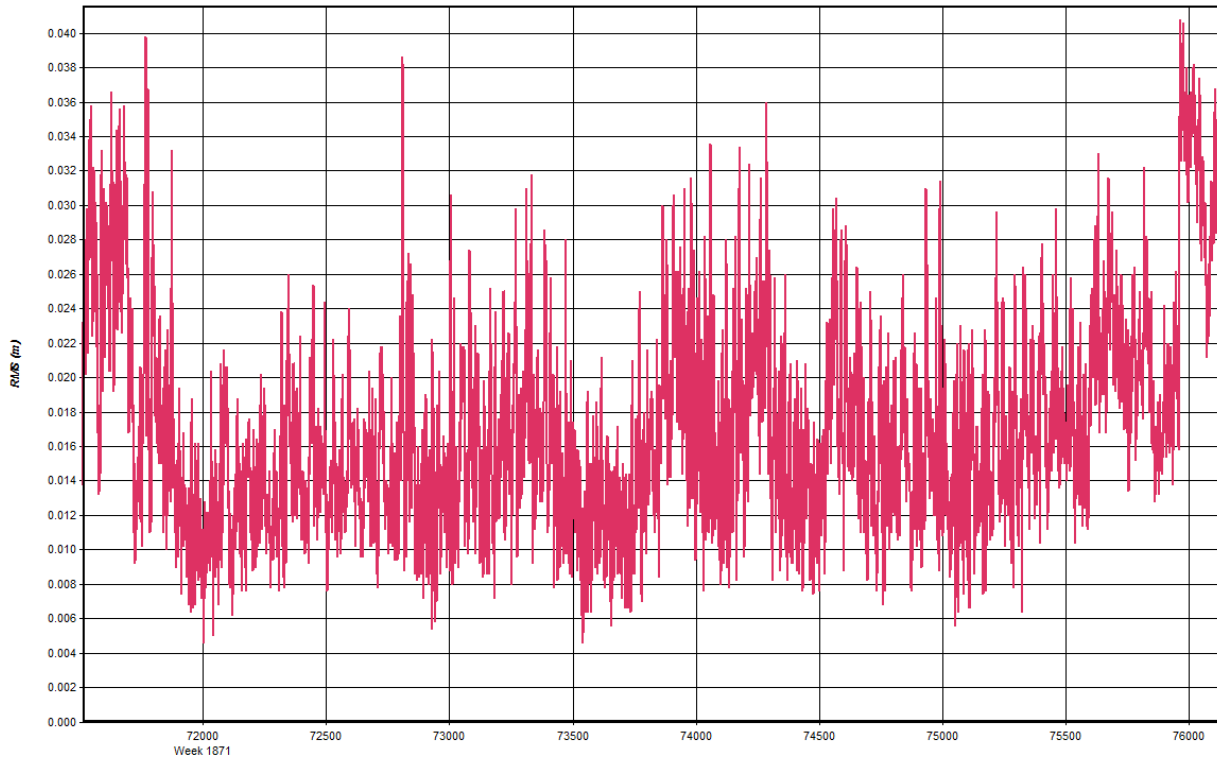


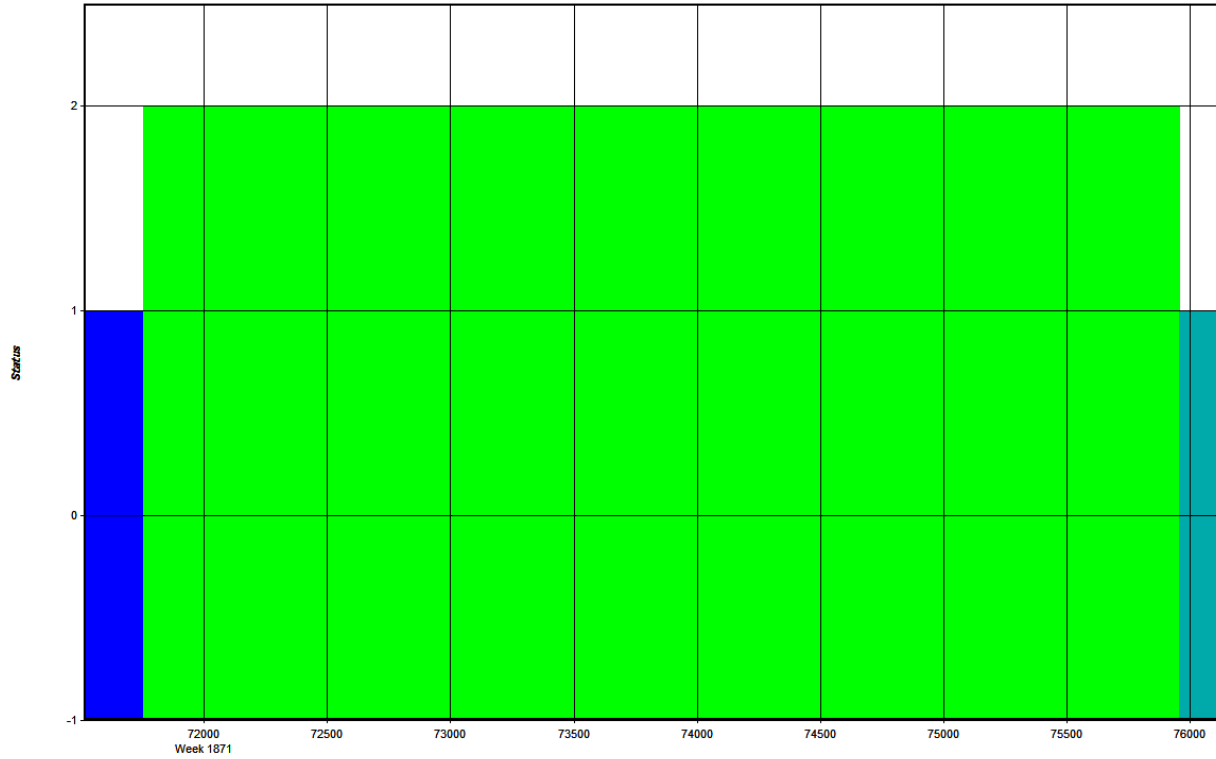
GPS Time (TOW, GMT zone)

— Heading/Azimuth — GPS-COG









GPS Time (TOW, GMT zone)

— Float
 — Forward Fixed
 — Reverse Fixed
 — Fixed (2 or more)

Coordinate/Antenna Settings

Master Remote

Base Station
 1: VTD2_CORS Name: VTD2_CORS Disabled
 File: E:\Proc\26817_Windham_County_VT\F9R8\Raw_Data\Day3191

Coordinates
 Latitude: North 42 55 06.10798
 Longitude: West 72 32 06.44140
 Ellipsoidal height: 98.040 m
 Datum: NAD83(2011)

Antenna Height
 From station file: TRM55971.00, NONE
 Antenna profile: TRM55971.00
 Measured height: 0.000 m Measured to:
 ARP to L1 offset: 0.067 m ARP
 Applied height: 0.000 m L1 Phase Centre

Appendix B

Survey Report



January 15, 2016

Survey Report of
LiDAR Calibration & Quality Control Points

BAA Windham County Vermont QL2 Lidar
USGS Contract: G10PC00026
USGS Task Order: G15PD00865

Presented to:



Presented By:



Control Survey Report

BAA Windham County Vermont QL2 Lidar
USGS Contract: G10PC00026
USGS Task Order: G15PD00865

USGS/NGTOC
1400 Independence Road
Rolla, Missouri 65401
For
LiDAR Calibration & Quality Control Points

- I. Survey Report Summary
- II. Final Coordinate Listing
- III. OPUS Solutions
- IV. Data Log Sheets

I. Survey Report Summary



#

Introduction

Quantum Spatial, Inc was contracted by USGS under task order G15PD00865 to Survey LiDAR calibration and quality control points in support of BAA Windham County Vermont. This is the report of the technical approach used and detail of each point surveyed.

Project Area

The Project Area, shown in the figure below, consists of approximately 661 square miles.

See Maps (page 8)

Technical Approach to Land Cover Validation Point Selection

Referencing ASPRS Positional Accuracy Standards for Digital Geospatial Data (Edition 1, Version 1.0, - November, 2014) table C.1 Recommended Number of Checkpoints based on Area, Quantum Spatial calculated that 40 Non-Vegetated Vertical Assessment (NVA) and 30 Vegetated Vertical Assessment (VVA) points are required for this project area.

To ensure that checkpoints were distributed generally proportionate among the various vegetated land cover types, Quantum Spatial used existing USGS Land Cover data to divide both the NVA and VVA categories among the various types, calculating the approximate number of required points in each representative type proportionate to the total project area. The resulting point classes are detailed below:

<u>NVA Class</u>	<u># of Points</u>	<u>VVA Class</u>	<u># of Points</u>
Bare Earth	4	Tall Weeds/Crops	3
Urban Area	36	Brush/Low Trees	0
Horizontal	20	Forested	24
		Swamp/Marsh	3

Given that approximately 1/2 of the NVA check points should also be used for horizontal accuracy testing, but that it is commonly understood that good vertical check points do not generally make for good horizontal check points, Quantum Spatial has required that 20 horizontal check points shall be used for this project, whether they are used for NVA validation, or are entirely separate.



Quantum Spatial has adopted the philosophy that each vegetative class must be well distributed throughout the project area. While points in varying classes may be near to one another, points of a single vegetative class may not. Proposed point locations are selected with this distribution methodology in mind.

Survey Accuracy Requirements

Given that the survey accuracy of calibration and quality control check points should be 3 times more accurate than the required accuracy of the data set, Quantum Spatial requires that calibration and NVA points to be better than 3 centimeters, both horizontally and vertically, and that VVA points be better than 5 centimeters, both horizontally and vertically. The surveyed accuracy of each point must be determined through redundant measurements and/or network adjustment using procedures and methodologies that reliably and consistently result in the aforementioned accuracies. The accuracy of each point is reported at the 95% confidence level, meaning that if the point were measured 20 times, statistically it would fall within the reported accuracy 19 times.

Due to variances in reference control accuracy and adjustment, Quantum Spatial requires that the survey methodology used be explained, so that it can be repeated if necessary.

Field Survey Methodology

Date Range:

November-3-2015 to November -11-2015

Equipment Used:

Trimble R8 dual frequency GNSS receivers and a Topcon GPT-3005SLW 4J0703 Total Station

GNSS Methodology:

Each point was measured using the real time adjusted network provided by Key Net - eGPS - Trimble - etc. Each point was measured twice, for at least 8 minutes, with enough separation in the observations to ensure variance in the observed satellite constellations. For forested points, a secondary control point with line of sight to another point was established so that the resulting pair was occupied with a total station.



Variations from the stated GNSS methodology:

When cellular network signals were unobtainable, points were observed with static GNSS for no less than 2 hour and were post processed referencing NGS continuously operating reference stations and a weighted adjustment was performed to obtain base station coordinates. The adjustment was performed, OPUS Projects, etc. The points located using this methodology were CAL_2, CAL_4, CAL_7, CAL_24, CAL_28, and UA-10.

Overall Project Accuracy Statement

All point coordinates have been reported in the North American Datum of 1983 (NAD83 2011), State Plan Zone (4400 Vermont) in US survey feet. Elevations are relative to the North American Vertical Datum of 1988 (NAVD 88) which were derived using the Geoid 12A model and are reported in US Survey Feet.

Calibration Points

Average Horizontal RMSE at the 95% confidence level is 0.0143 Meters.

Average Elevation RMSE at the 95% confidence level is 0.0180 Meters.

Average 3 dimensional RMSE at the 95% confidence level is 0.0229 Meters.

NVA Points

Average Horizontal RMSE at the 95% confidence level is 0.0140 Meters.

Average Elevation RMSE at the 95% confidence level is 0.0192 Meters.

Average 3 dimensional RMSE at the 95% confidence level is 0.0235 Meters.

VVA Points

Average Horizontal RMSE at the 95% confidence level is 0.0162 Meters.

Average Elevation RMSE at the 95% confidence level is 0.0192 Meters.

Average 3 dimensional RMSE at the 95% confidence level is 0.0253 Meters.

GPS Project Summary

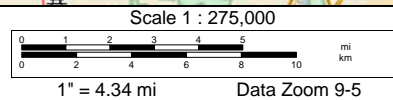
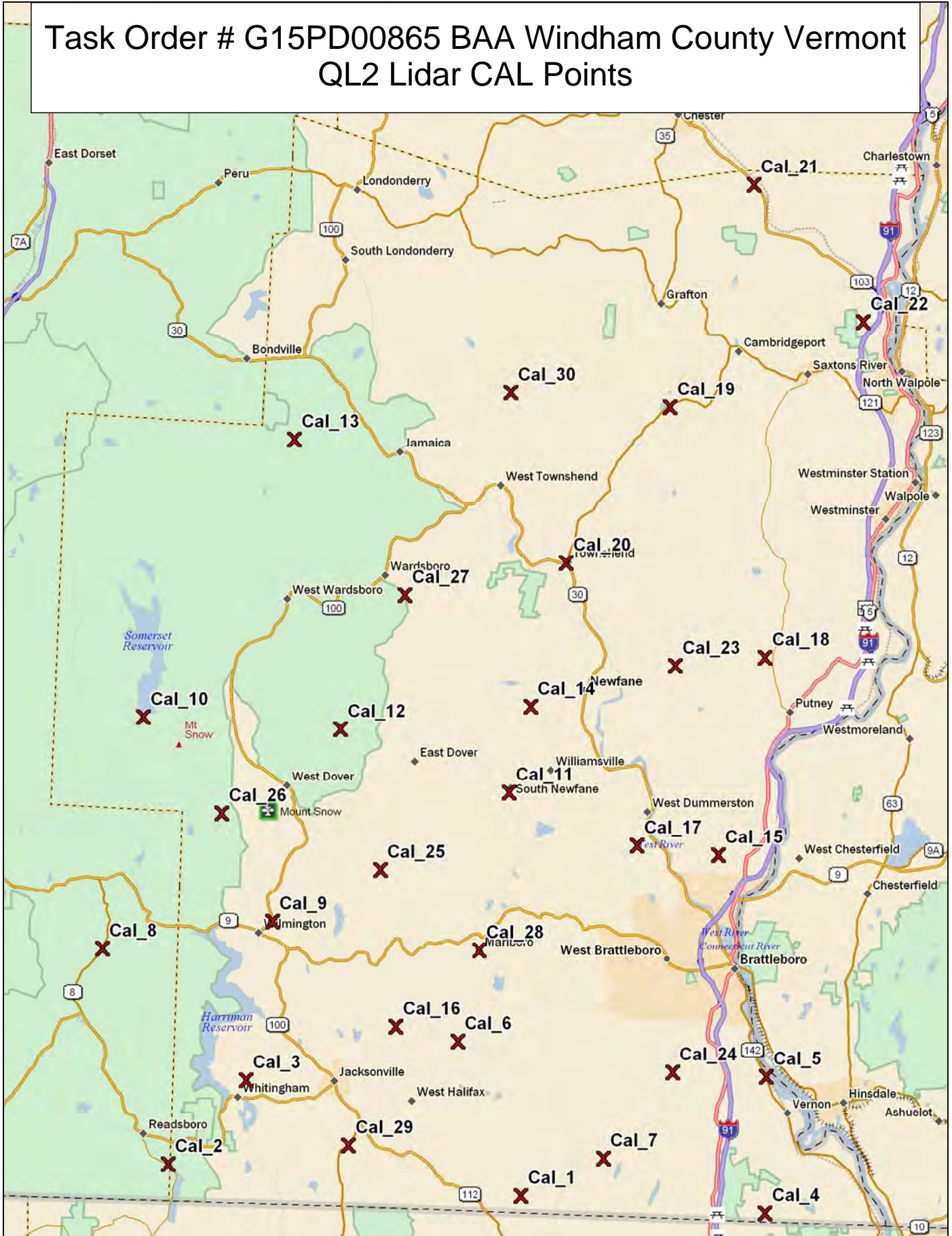
Project	BAA Windham Co. Vermont QL2 Lidar
Location	Windham County Vermont
Task Order Number	G15PD00865
Quantum Spatial Project Number	26817
Date	1/15/2016
Person Responsible for GPS Calculations	Kenny Roberts
Coordinate Projection	State Plane (4400 Vermont)
Applicable Datum	NAD 83 (2007)
Units (USF, Feet, Meters)	Meters
Geoid Model Employed	GEOID12A
GPS Hardware Used	Trimble R8 GNSS
Single or Dual Frequency	Dual
Crew Size for GPS Operations	2 - person
Observation Methodology	Static RTK VRS
Maximum Baseline Length	N/A
GPS Software Employed	OPUS RS
Ephemerides - Broadcast or Precise	Broadcast
Number of Network Points (Known & Unknown)	N/A
Number of Known Horizontal Points Held in Final Soln	N/A
Number of Known Vertical Points Held in Final Soln	N/A
Number of Independent Baselines	N/A
Ratio -- Independent Baselines to Network Points	N/A

Horizontal Control Points Employed

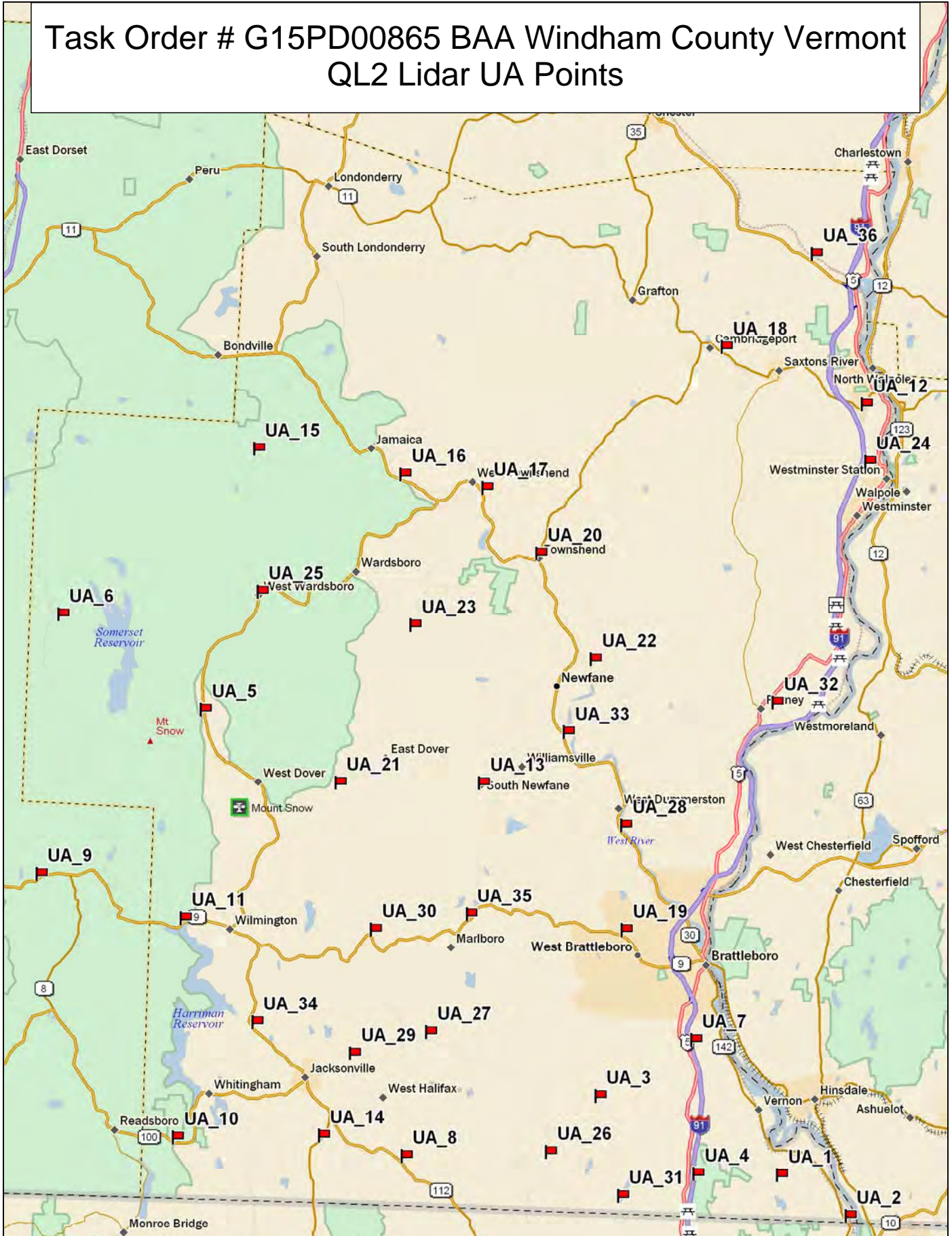
Accuracy of Control

Vertical Control Points Employed

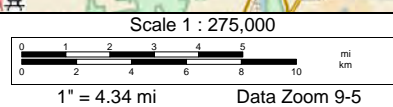
Task Order # G15PD00865 BAA Windham County Vermont QL2 Lidar CAL Points



Task Order # G15PD00865 BAA Windham County Vermont QL2 Lidar UA Points



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 www.delorme.com



II. Final Coordinates

Final Coords 0026817 Vermont
 NAD83(2007) VT State Plane Meters

Point #	Northing	Easting	Elevation	Desc.
Calibration Points				
Cal_1	26849.312	483723.972	333.983	Gravel
Cal_2	28604.090	464720.488	341.638	Bare Earth
Cal_3	33079.051	468939.495	516.371	Gravel
Cal_4	25907.319	496866.460	264.094	Pavement
Cal_5	33191.515	496931.930	94.675	Gravel
Cal_6	35120.412	480336.821	406.547	Gravel
Cal_7	28834.741	488188.069	377.422	Gravel
Cal_8	40156.168	461241.781	755.135	Gravel
Cal_9	41566.407	470397.141	475.929	Bare Earth
Cal_10	52542.242	463512.975	654.145	Gravel
Cal_11	48427.615	483140.626	203.361	Bare Earth
Cal_12	51862.344	474077.325	758.552	Gravel
Cal_13	67397.351	471669.162	532.658	Gravel
Cal_14	53031.442	484323.072	462.144	Bare Earth
Cal_15	45056.412	494370.241	181.396	Gravel
Cal_16	35902.474	476984.975	498.372	Gravel
Cal_17	45566.569	490000.188	231.232	Gravel
Cal_18	55670.610	496880.356	152.771	Bare Earth
Cal_19	69073.117	491822.225	357.599	Gravel
Cal_20	60738.389	486239.923	173.734	Bare Earth
Cal_21	80973.166	496317.531	166.655	Bare Earth
Cal_22	73610.097	502158.856	192.330	Bare Earth
Cal_23	55228.157	492088.026	446.482	Gravel
Cal_24	33442.260	491903.921	141.137	Pavement
Cal_25	44301.457	476198.390	625.806	Gravel
Cal_26	47356.934	467700.634	624.120	Bare Earth
Cal_27	59040.365	477567.972	348.503	Gravel
Cal_28	39992.349	481529.400	527.604	Bare Earth
Cal_29	29573.680	474409.189	477.629	Bare Earth
Cal_30	69875.608	483301.999	461.309	Gravel
NVA Points				
BE_1	52254.467	467804.391	601.886	Bare Earth
BE_2	65467.990	503604.014	118.977	Bare Earth
BE_3	25489.099	502656.887	81.680	Bare Earth
BE_4	66076.898	478033.231	200.370	Bare Earth
UA_1	27439.418	499115.394	116.937	Pavement
UA_2	25234.625	502799.312	92.551	Pavement
UA_3	31658.455	489354.602	235.769	Pavement
UA_4	27499.851	494602.231	161.669	Pavement
UA_5	52441.804	468162.233	621.829	Pavement

Final Coords 0026817 Vermont
 NAD83(2007) VT State Plane Meters

Point #	Northing	Easting	Elevation	Desc.
UA_6	57591.195	460573.832	675.951	Gravel
UA_7	34654.698	494486.377	125.621	Pavement
UA_8	28495.090	478866.365	286.921	Pavement
UA_9	43668.877	459310.970	685.820	Pavement
UA_10	29536.215	466549.447	482.213	Pavement
UA_11	41259.477	467037.464	457.732	Pavement
UA_12	68712.095	503650.493	119.545	Pavement
UA_13	48422.481	483103.853	200.054	Pavement
UA_14	29590.576	474415.344	476.636	Pavement
UA_15	66406.529	471082.068	454.828	Pavement
UA_16	65006.824	478910.719	182.131	Pavement
UA_17	64262.801	483344.495	173.227	Pavement
UA_18	71787.323	496160.848	189.400	Pavement
UA_19	40563.750	490755.453	151.078	Pavement
UA_20	60735.239	486229.002	173.758	Pavement
UA_21	48483.182	475378.287	591.125	Gravel
UA_22	55080.643	489115.308	123.377	Pavement
UA_23	56928.523	479429.654	495.481	Gravel
UA_24	65651.256	503845.785	112.967	Pavement
UA_25	58737.525	471252.530	446.135	Pavement
UA_26	28679.816	486674.128	200.143	Pavement
UA_27	35111.379	480190.860	417.618	Pavement
UA_28	46168.009	490748.361	89.425	Pavement
UA_29	33993.834	476109.412	531.336	Pavement
UA_30	40611.550	477240.037	566.065	Pavement
UA_31	26322.706	490564.125	206.998	Pavement
UA_32	52728.264	498871.838	116.818	Pavement
UA_33	51136.178	487661.785	157.017	Pavement
UA_34	35678.166	470866.903	481.021	Pavement
UA_35	41397.574	482428.072	473.230	Pavement
UA_36	76750.305	500971.753	133.680	Pavement
H_1	64992.526	478898.667		N/A Corner Conc.
H_2	39563.830	473563.666		N/A Corner Pvmnt
H_3	40639.530	470409.711		N/A Corner Conc.
H_4	35680.072	470866.933		N/A Corner Conc.
H_5	76425.368	501521.532		N/A Corner S/W
H_6	53130.409	498745.063		N/A Corner S/W
H_7	46373.524	497008.665		N/A Corner S/W
H_8	41902.577	494987.730		N/A Corner S/W
H_9	49099.074	475252.020		N/A Corner Pvmnt
H_10	49106.847	470881.559		N/A Conc Pad Cor

Final Coords 0026817 Vermont
 NAD83(2007) VT State Plane Meters

Point #	Northing	Easting	Elevation	Desc.
H_11	40673.821	490525.695	N/A	Corner S/W
H_12	28989.225	500498.944	N/A	Corner Conc.
H_13	35196.684	493838.722	N/A	Corner S/W
H_14	33196.559	496944.252	N/A	End B/Top
H_15	38143.304	494540.243	N/A	Corner S/W
H_16	53954.149	497659.747	N/A	Corner S/W
H_17	65408.328	503592.734	N/A	Corner S/W
H_18	70934.078	499315.158	N/A	Corner S/W
H_19	70896.508	503678.173	N/A	Corner S/W
H_20	80981.178	496321.329	N/A	Ed Rd + Ed Rd

VVA Points

FO_1	27516.403	494630.204	164.076	Forest
FO_2	52403.183	468173.279	619.913	Forest
FO_3	57706.983	460578.672	673.187	Forest
FO_4	28806.103	488202.657	377.529	Forest
FO_5	25271.546	502768.776	96.969	Forest
FO_6	27423.682	499214.746	112.416	Forest
FO_7	35911.260	494360.230	167.100	Forest
FO_8	29805.134	474540.674	456.753	Forest
FO_9	41434.567	467466.163	460.517	Forest
FO_10	65686.120	503841.557	111.278	Forest
FO_11	43646.043	459320.745	685.012	Forest
FO_12	52721.674	498857.450	116.362	Forest
FO_13	56933.710	479511.091	493.414	Forest
FO_14	71777.333	496199.358	192.588	Forest
FO_15	76789.735	501007.420	131.543	Forest
FO_16	51165.048	487761.409	154.626	Forest
FO_17	35128.185	480246.160	413.485	Forest
FO_18	40590.681	477180.101	565.469	Forest
FO_19	48467.335	475391.802	589.556	Forest
FO_20	41389.798	482321.459	478.761	Forest
FO_21	35836.943	470801.977	476.914	Forest
FO_22	33997.816	476080.907	534.884	Forest
FO_23	46168.146	490725.537	89.530	Forest
FO_24	40518.965	490742.792	154.590	Forest
SW_1	33069.455	468919.181	514.531	Marsh
SW_2	26710.782	498936.011	114.974	Marsh
SW_3	77688.779	499422.215	154.369	Marsh
TW_1	76769.642	500962.891	132.165	Tall Weeds
TW_2	31648.450	489317.619	238.875	Tall Weeds
TW_3	40604.370	477194.880	565.360	Tall Weeds

III. OPUS Solutions

OPUS solution CAL_2 11613131.15o OP1448287672959
 From: opus [opus@ngs.noaa.gov]
 Sent: Monday, November 23, 2015 9:09 AM
 To: gbevi ns@quantumspati al .com
 Subject: OPUS soluti on : 11613131.15o OP1448287672959

FILE: 11613131.15o OP1448287672959

NGS OPUS SOLUTION REPORT
 =====
 CAL_2

All computed coordinate accuracies are listed as peak-to-peak values.
 For additional information: <http://www.ngs.noaa.gov/OPUS/about.jsp#accuracy>

USER: gbevi ns@quantumspati al .com DATE: November 23, 2015
 RINEX FILE: 1161313n.15o TIME: 14:08:19 UTC

SOFTWARE: page5 1209.04 master92.pl 022814 START: 2015/11/09 13:30:00
 EPHEMERIS: i gr18701.eph [rapi d] STOP: 2015/11/09 15:35:00
 NAV FILE: brdc3130.15n OBS USED: 3644 / 4051 :
 90%
 ANT NAME: TRMR8_GNSS3 NONE # FIXED AMB: 28 / 34 :
 82%
 ARP HEIGHT: 2.000 OVERALL RMS: 0.018(m)

REF FRAME: NAD_83(2011) (EPOCH: 2010.0000) IGS08 (EPOCH: 2015.8565)

X:	1376794.024(m)	0.013(m)	1376793.157(m)	0.013(m)
Y:	-4483963.871(m)	0.026(m)	-4483962.454(m)	0.026(m)
Z:	4307907.689(m)	0.021(m)	4307907.671(m)	0.021(m)
LAT:	42 45 24.09995	0.011(m)	42 45 24.13492	0.011(m)
E LON:	287 4 8.47745	0.011(m)	287 4 8.45929	0.011(m)
W LON:	72 55 51.52255	0.011(m)	72 55 51.54071	0.011(m)
EL HGT:	313.306(m)	0.031(m)	312.112(m)	0.031(m)
ORTHO HGT:	341.638(m)	0.054(m)	[NAVD88 (Computed using GEOID12B)]	

	UTM COORDINATES	STATE PLANE COORDINATES
	UTM (Zone 18)	SPC (4400 VT)
Northing (Y) [meters]	4735872.521	28604.090
Easting (X) [meters]	669309.355	464720.489
Convergence [degrees]	1.40496366	-0.29258850
Point Scale	0.99995268	0.99997959
Combined Factor	0.99990355	0.99993046

US NATIONAL GRID DESIGNATOR: 18TXN6930935872(NAD 83)

BASE STATIONS USED		
PID	DESIGNATION	LATITUDE LONGITUDE DISTANCE(m)
DP1320	MABN BERNARDSTON CORS ARP	N424011.991 W0723228.643 33345.7
DE8093	HAMP NORTHAMPTON CORS ARP	N421903.872 W0723822.403 54322.5
DJ8961	VTSP SPRINGFIELD VT CORS ARP	N431653.241 W0722839.238 69028.5

NEAREST NGS PUBLISHED CONTROL POINT		
PID	DESIGNATION	LATITUDE LONGITUDE DISTANCE(m)
MZ0311	F 33	N424557.6 W0725643.7 1573.6

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

OPUS solution CAL_4 11613071.15o OP1448287414824
 From: opus [opus@ngs.noaa.gov]
 Sent: Monday, November 23, 2015 9:04 AM
 To: gbevi ns@quantumspati al .com
 Subject: OPUS soluti on : 11613071.15o OP1448287414824

FILE: 11613071.15o OP1448287414824

NGS OPUS SOLUTION REPORT
 =====
 CAL_4

All computed coordinate accuracies are listed as peak-to-peak values.
 For additional information: <http://www.ngs.noaa.gov/OPUS/about.jsp#accuracy>

USER: gbevi ns@quantumspati al .com DATE: November 23, 2015
 RINEX FILE: 1161307p.15o TIME: 14:03:59 UTC

SOFTWARE: page5 1209.04 master53.pl 022814 START: 2015/11/03 15:36:00
 EPHEMERIS: i gs18692.eph [preci se] STOP: 2015/11/03 18:55:00
 NAV FILE: brdc3070.15n OBS USED: 6273 / 7384 :
 85%
 ANT NAME: TRMR8_GNSS3 NONE # FIXED AMB: 44 / 55 :
 80%
 ARP HEIGHT: 2.000 OVERALL RMS: 0.020(m)

REF FRAME: NAD_83(2011) (EPOCH: 2010.0000) IGS08 (EPOCH: 2015.8403)

X:	1408009.208(m)	0.009(m)	1408008.341(m)	0.009(m)
Y:	-4476056.058(m)	0.007(m)	-4476054.639(m)	0.007(m)
Z:	4305940.253(m)	0.017(m)	4305940.237(m)	0.017(m)

LAT:	42 43 59.59936	0.015(m)	42 43 59.63447	0.015(m)
E LON:	287 27 42.24505	0.008(m)	287 27 42.22741	0.008(m)
W LON:	72 32 17.75495	0.008(m)	72 32 17.77259	0.008(m)
EL HGT:	236.022(m)	0.012(m)	234.825(m)	0.012(m)
ORTHO HGT:	264.094(m)	0.024(m)	[NAVD88 (Computed using GEOID12B)]	

	UTM COORDINATES	STATE PLANE COORDINATES
	UTM (Zone 18)	SPC (4400 VT)
Northing (Y) [meters]	4734128.966	25907.319
Easting (X) [meters]	701522.844	496866.460
Convergence [degrees]	1.67105873	-0.02596626
Point Scale	1.00009966	0.99996441
Combined Factor	1.00006264	0.99992740

US NATIONAL GRID DESIGNATOR: 18TYN0152234128(NAD 83)

BASE STATIONS USED			
PID	DESIGNATION	LATITUDE	LONGITUDE DISTANCE(m)
DP1961	MAWM WESTMINSTER CORS ARP	N423340.621 W0715559.207	53176.7
DJ8953	VTD2 DUMMERSTON CORS ARP	N425506.107 W0723206.441	20569.8
DE8093	HAMP NORTHAMPTON CORS ARP	N421903.872 W0723822.403	46898.6

NEAREST NGS PUBLISHED CONTROL POINT			
PID	DESIGNATION	LATITUDE	LONGITUDE DISTANCE(m)
MZ2665	186 VV	N424348.294 W0723412.402	2627.4

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

OPUS solution CAL_7 11613083.15o OP1448287465087
 From: opus [opus@ngs.noaa.gov]
 Sent: Monday, November 23, 2015 9:05 AM
 To: gbevins@quantumspatial.com
 Subject: OPUS solution : 11613083.15o OP1448287465087

FILE: 11613083.15o OP1448287465087

NGS OPUS SOLUTION REPORT
 =====
 CAL_7

All computed coordinate accuracies are listed as peak-to-peak values.
 For additional information: <http://www.ngs.noaa.gov/OPUS/about.jsp#accuracy>

USER: gbevins@quantumspatial.com DATE: November 23, 2015
 RINEX FILE: 1161308p.15o TIME: 14:04:53 UTC

SOFTWARE: page5 1209.04 master53.pl 022814 START: 2015/11/04 15:47:00
 EPHEMERIS: igs18693.eph [precise] STOP: 2015/11/04 18:45:00
 NAV FILE: brdc3080.15n OBS USED: 5721 / 6486 :
 88%
 ANT NAME: TRMR8_GNSS3 NONE # FIXED AMB: 43 / 46 :
 93%
 ARP HEIGHT: 2.000 OVERALL RMS: 0.018(m)

REF FRAME: NAD_83(2011) (EPOCH: 2010.0000) IGS08 (EPOCH: 2015.8431)

X:	1399156.944(m)	0.002(m)	1399156.077(m)	0.002(m)
Y:	-4476843.089(m)	0.003(m)	-4476841.671(m)	0.003(m)
Z:	4308160.321(m)	0.005(m)	4308160.304(m)	0.005(m)

LAT:	42 45 34.16689	0.006(m)	42 45 34.20196	0.006(m)
E LON:	287 21 20.51110	0.002(m)	287 21 20.49331	0.002(m)
W LON:	72 38 39.48890	0.002(m)	72 38 39.50669	0.002(m)
EL HGT:	349.448(m)	0.002(m)	348.253(m)	0.002(m)
ORTHO HGT:	377.421(m)	0.013(m)	[NAVD88 (Computed using GEOID12B)]	

	UTM COORDINATES	STATE PLANE COORDINATES
	UTM (Zone 18)	SPC (4400 VT)
Northing (Y) [meters]	4736798.343	28834.742
Easting (X) [meters]	692760.554	488188.068
Convergence [degrees]	1.59982696	-0.09797029
Point Scale	1.00005715	0.99996600
Combined Factor	1.00000235	0.99991120

US NATIONAL GRID DESIGNATOR: 18TXN9276036798(NAD 83)

BASE STATIONS USED				
PID	DESIGNATION	LATITUDE	LONGITUDE	DI STANCE(m)
DJ8961	VTSP SPRINGFIELD VT CORS ARP	N431653.241	W0722839.238	59560.7
DK8255	VTBE BENNINGTON CORS ARP	N425257.029	W0731159.648	47448.2
DE8093	HAMP NORTHAMPTON CORS ARP	N421903.872	W0723822.403	49075.0

NEAREST NGS PUBLISHED CONTROL POINT				
PID	DESIGNATION	LATITUDE	LONGITUDE	DI STANCE(m)
MZ1194	A 51	N424429.	W0723419.	6248.7

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

OPUS solution CAL_24 11613081.15o OP1448287447039
 From: opus [opus@ngs.noaa.gov]
 Sent: Monday, November 23, 2015 9:05 AM
 To: gbevins@quantumspatial.com
 Subject: OPUS solution : 11613081.15o OP1448287447039

FILE: 11613081.15o OP1448287447039

NGS OPUS SOLUTION REPORT
 =====
 CAL_24

All computed coordinate accuracies are listed as peak-to-peak values.
 For additional information: <http://www.ngs.noaa.gov/OPUS/about.jsp#accuracy>

USER: gbevins@quantumspatial.com DATE: November 23, 2015
 RINEX FILE: 1161308m.15o TIME: 14:04:33 UTC

SOFTWARE: page5 1209.04 master51.pl 022814 START: 2015/11/04 12:56:00
 EPHEMERIS: igs18693.eph [precise] STOP: 2015/11/04 15:14:00
 NAV FILE: brdc3080.15n OBS USED: 2852 / 4091 :
 70%
 ANT NAME: TRMR8_GNSS3 NONE # FIXED AMB: 31 / 38 :
 82%
 ARP HEIGHT: 2.000 OVERALL RMS: 0.018(m)

REF FRAME: NAD_83(2011) (EPOCH: 2010.0000) IGS08 (EPOCH: 2015.8427)

X:	1401709.449(m)	0.026(m)	1401708.582(m)	0.026(m)
Y:	-4472579.416(m)	0.058(m)	-4472577.998(m)	0.058(m)
Z:	4311385.746(m)	0.028(m)	4311385.730(m)	0.028(m)

LAT:	42 48 3.65948	0.024(m)	42 48 3.69461	0.024(m)
E LON:	287 24 3.69629	0.009(m)	287 24 3.67854	0.009(m)
W LON:	72 35 56.30371	0.009(m)	72 35 56.32146	0.009(m)
EL HGT:	113.145(m)	0.065(m)	111.951(m)	0.065(m)
ORTHO HGT:	141.137(m)	0.110(m)	[NAVD88 (Computed using GEOID12B)]	

	UTM COORDINATES	STATE PLANE COORDINATES
	UTM (Zone 18)	SPC (4400 VT)
Northing (Y) [meters]	4741514.443	33442.258
Easting (X) [meters]	696338.567	491903.921
Convergence [degrees]	1.63190781	-0.06724784
Point Scale	1.00007427	0.99996509
Combined Factor	1.00005652	0.99994735

US NATIONAL GRID DESIGNATOR: 18TXN9633841514(NAD 83)

BASE STATIONS USED				
PID	DESIGNATION	LATITUDE	LONGITUDE	DI STANCE(m)
DK8255	VTBE BENNINGTON CORS ARP	N425257.029	W0731159.648	49954.0
DE8093	HAMP NORTHAMPTON CORS ARP	N421903.872	W0723822.403	53788.0
DP1320	MABN BERNARDSTON CORS ARP	N424011.991	W0723228.643	15302.2

NEAREST NGS PUBLISHED CONTROL POINT			
PID	DESIGNATION	LATITUDE	DI STANCE(m)
MZ1199	F 51	N424818.	W0723400. 2675.6

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

OPUS solution CAL_28 11613092.15o OP1448287644853
 From: opus [opus@ngs.noaa.gov]
 Sent: Monday, November 23, 2015 9:08 AM
 To: gbevi ns@quantumspati al .com
 Subject: OPUS soluti on : 11613092.15o OP1448287644853

FILE: 11613092.15o OP1448287644853

NGS OPUS SOLUTION REPORT
 =====
 CAL_28

All computed coordinate accuracies are listed as peak-to-peak values.
 For additional information: <http://www.ngs.noaa.gov/OPUS/about.jsp#accuracy>

USER: gbevi ns@quantumspati al .com DATE: November 23, 2015
 RINEX FILE: 1161309n.15o TIME: 14:07:47 UTC

SOFTWARE: page5 1209.04 master91.pl 022814 START: 2015/11/05 13:06:00
 EPHEMERIS: i gs18694.eph [preci se] STOP: 2015/11/05 15:13:00
 NAV FILE: brdc3090.15n OBS USED: 2244 / 3591 :
 62%
 ANT NAME: TRMR8_GNSS3 NONE # FIXED AMB: 29 / 36 :
 81%
 ARP HEIGHT: 2.000 OVERALL RMS: 0.017(m)

REF FRAME: NAD_83(2011) (EPOCH: 2010.0000) IGS08 (EPOCH: 2015.8455)

X:	1390554.904(m)	0.073(m)	1390554.036(m)	0.073(m)
Y:	-4471707.691(m)	0.090(m)	-4471706.275(m)	0.090(m)
Z:	4316437.930(m)	0.037(m)	4316437.914(m)	0.037(m)

LAT:	42 51 35.28236	0.043(m)	42 51 35.31747	0.043(m)
E LON:	287 16 26.34915	0.067(m)	287 16 26.33116	0.067(m)
W LON:	72 43 33.65085	0.067(m)	72 43 33.66884	0.067(m)
EL HGT:	499.765(m)	0.098(m)	498.574(m)	0.098(m)
ORTHO HGT:	527.603(m)	0.166(m)	[NAVD88 (Computed using GEOID12B)]	

	UTM COORDINATES	STATE PLANE COORDINATES
	UTM (Zone 18)	SPC (4400 VT)
Northing (Y) [meters]	4747754.384	39992.349
Easting (X) [meters]	685773.417	481529.400
Convergence [degrees]	1.54722174	-0.15373676
Point Scale	1.00002459	0.99996848
Combined Factor	0.99994622	0.99989011

US NATIONAL GRID DESIGNATOR: 18TXN8577347754(NAD 83)

BASE STATIONS USED						
PID	DESIGNATION		LATITUDE	LONGITUDE	DI STANCE(m)	
DE8093	HAMP NORTHAMPTON	CORS ARP	N421903.872	W0723822.403	60635.2	
DK8255	VTBE BENNINGTON	CORS ARP	N425257.029	W0731159.648	38807.3	
DP1320	MABN BERNARDSTON	CORS ARP	N424011.991	W0723228.643	25950.1	

NEAREST NGS PUBLISHED CONTROL POINT					
AE5767	B95059	RESET	N425156.0	W0724324.2	675.5

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

OPUS solution UA_10 04353130.15o OP1448287881782
 From: opus [opus@ngs.noaa.gov]
 Sent: Monday, November 23, 2015 9:12 AM
 To: gbevi ns@quantumspati al .com
 Subject: OPUS soluti on : 04353130.15o OP1448287881782

FILE: 04353130.15o OP1448287881782

NGS OPUS SOLUTION REPORT
 =====
 UA_10

All computed coordinate accuracies are listed as peak-to-peak values.
 For additional information: <http://www.ngs.noaa.gov/OPUS/about.jsp#accuracy>

USER: gbevi ns@quantumspati al .com DATE: November 23, 2015
 RINEX FILE: 04353130.15o TIME: 14:11:48 UTC

SOFTWARE: page5 1209.04 master90.pl 022814 START: 2015/11/09 14:03:00
 EPHEMERIS: i gr18701.eph [rapi d] STOP: 2015/11/09 16:08:00
 NAV FILE: brdc3130.15n OBS USED: 3808 / 4208 :
 90%
 ANT NAME: TRMR8_GNSS3 NONE # FIXED AMB: 26 / 29 :
 90%
 ARP HEIGHT: 2.000 OVERALL RMS: 0.016(m)

REF FRAME: NAD_83(2011) (EPOCH: 2010.0000) IGS08 (EPOCH: 2015.8565)

X:	1378380.632(m)	0.014(m)	1378379.765(m)	0.014(m)
Y:	-4482915.839(m)	0.033(m)	-4482914.422(m)	0.033(m)
Z:	4308694.278(m)	0.015(m)	4308694.260(m)	0.015(m)
LAT:	42 45 54.60220	0.013(m)	42 45 54.63718	0.013(m)
E LON:	287 5 28.71084	0.007(m)	287 5 28.69271	0.007(m)
W LON:	72 54 31.28916	0.007(m)	72 54 31.30729	0.007(m)
EL HGT:	453.968(m)	0.035(m)	452.774(m)	0.035(m)
ORTHO HGT:	482.214(m)	0.061(m)	[NAVD88 (Computed using GEOID12B)]	

	UTM COORDINATES	STATE PLANE COORDINATES
	UTM (Zone 18)	SPC (4400 VT)
Northing (Y) [meters]	4736858.399	29536.215
Easting (X) [meters]	671109.856	466549.447
Convergence [degrees]	1.42033193	-0.27750205
Point Scale	0.99996022	0.99997805
Combined Factor	0.99988903	0.99990686

US NATIONAL GRID DESIGNATOR: 18TXN7110936858(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DJ8961	VTSP SPRINGFIELD VT CORS ARP	N431653.241	W0722839.238	67268.6
DJ8953	VTD2 DUMMERSTON CORS ARP	N425506.107	W0723206.441	34964.3
DK8255	VTBE BENNINGTON CORS ARP	N425257.029	W0731159.648	27150.3

NEAREST NGS PUBLISHED CONTROL POINT

MZ0311	F 33	N424557.6	W0725643.7	3007.3
--------	------	-----------	------------	--------

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.

IV. Log Data Sheet



523 Wellington Way, Suite 375
 Lexington, KY 40503
 859-277-8700 voice 859-277-8901 fax

**GPS CONTROL SURVEY
 FIELD DATA SHEET**

PAGE:
1

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **CAL1**
 Proj. No.: **26817**

STATE: **VT** COUNTY: **Windham** QUAD: **Bernardston (MA-VT)**

OPERATOR: **D. Griggs**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing: **26849.312** Elevation: **333.983**
 Easting: **483723.972**

RECEIVER MODEL: **Trimble R8**
 RECEIVER S/N: **RS0TC15523**

	ObsA	Obs B
SESSIONS	DATE: 11/08/15	11/08/15
VRS	DAY OF YEAR: 312	312

	Obs A	ObsB		U.T.C.
START TIME	15:12	15:23		
END TIME	15:20	15:29	X	LOCAL

ANTENNA HEIGHT (SLANT)
 MTRS/FT: _____
 MEASURED _____ FIXED HGT. _____

ANTENNA
 RADIUS (M): _____
 Antenna Serial #: **5153480435**
 Antenna Type: **TRMR8 Model 3** Trimble Integrated Antenna

ANTENNA HEIGHT (ARP)
 MTRS/FT: **2.000 Meters**
 MEASURED _____ **X** _____ FIXED HGT _____

TOP OF MONUMENT IS: _____ FLUSH _____
 METERS/FEET _____ ABOVE GROUND _____
 METERS/FEET _____ BELOW GROUND _____

Gravel

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:

PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

PAGE:
2

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: CAL1
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO: PHOTO:



PHOTO: PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

PAGE:
1

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **CAL2**
Proj. No.: **26817**

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE: **VT** COUNTY: **Bennington** QUAD: **Readsboro**

OPERATOR: **K.Roberts**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL: **Trimble R8**
RECEIVER S/N: **DC# RS2DC48130**

NORTHING	28604.090	Elevation
EASTING	464720.488	341.638

SESSION	DATE: 11/09/15	START TIME: 08:30	U.T.C.
	DAY OF YEAR: 313	END TIME: 10:35	X LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT	MEASURED	FIXED HGT.
---------	----------	------------

ANTENNA

RADIUS (M)		
Antenna Serial #	5407484087	
Antenna Type	R8 MODEL 3	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
	MEASURED	X	FIXED HGT

TOP OF MONUMENT IS:

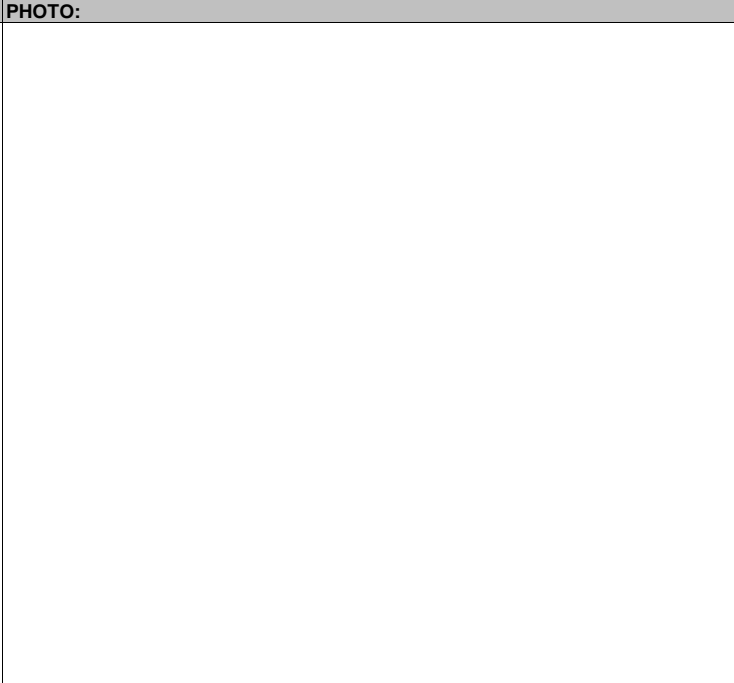
	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Bare Earth

AERIAL TARGET	PHOTO I.D.
PUB. BENCH MARK	X NEW CONTROL
PUB. CONTROL	BASE STATION



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**GPS CONTROL SURVEY
FIELD DATA SHEET**

PAGE:
1

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: CAL3
Proj. No.: 26817

STATE VT **COUNTY** Windham **QUAD:** Readsboro

OPERATOR D. Griggs

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	33079.051	Elevation	516.371
Easting	468939.495		

RECEIVER MODEL Trimble R8
RECEIVER S/N RS0TC15523

	ObsA	Obs B
SESSIONS	11/08/15	11/08/15
DATE:	11/08/15	11/08/15
DAY OF YEAR	312	312

	Obs A	ObsB		U.T.C.
START TIME	11:26	11:35		
END TIME	11:34	11:43	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT		MEASURED		FIXED HGT.
----------------	--	-----------------	--	-------------------

ANTENNA

RADIUS (M)			
Antenna Serial #	5153480435		
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters	MEASURED	X	FIXED HGT
----------------	--------------	-----------------	---	------------------

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Gravel

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

PAGE:
2

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: CAL3
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
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PHOTO: PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

PAGE:
1

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **CAL4**
Proj. No.: **26817**

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE: **VT** COUNTY: **Windham** QUAD: **Bernadstown**

OPERATOR: **K.Roberts**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL: **Trimble R8**
RECEIVER S/N: **DC# RS2DC48130**

Northing	25907.319	Elevation	264.094
Easting	496866.460		

SESSION	DATE: 11/03/15	START TIME	10:36	U.T.C.
11613071	DAY OF YEAR: 307	END TIME	13:55	X LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT	MEASURED	FIXED HGT.
---------	----------	------------

ANTENNA

RADIUS (M)			
Antenna Serial #	5106461161		
Antenna Type	R8 MODEL 3		

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
	MEASURED	X	FIXED HGT

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Mag Nail/Pavement

AERIAL TARGET	PHOTO I.D.
PUB. BENCH MARK	X NEW CONTROL
PUB. CONTROL	BASE STATION



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PHOTO:



PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

PAGE:
1

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: Cal5
Proj. No.: 26817

STATE VT

COUNTY Windham

QUAD: Brattleboro

OPERATOR K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	33191.515	Elevation	94.675
Easting	496931.930		

RECEIVER MODEL Trimble R8

RECEIVER S/N DC# RS2DC48130

		ObsA	Obs B
SESSIONS	DATE:	11/05/15	11/05/15
VRS	DAY OF YEAR	309	309

	Obs A	ObsB		
START TIME	16:18	16:29		U.T.C.
END TIME	16:27	16:37	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT	
MEASURED	FIXED HGT.

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
MEASURED	X	FIXED HGT	

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Hard Surface (Gravel)

AERIAL TARGET		PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:





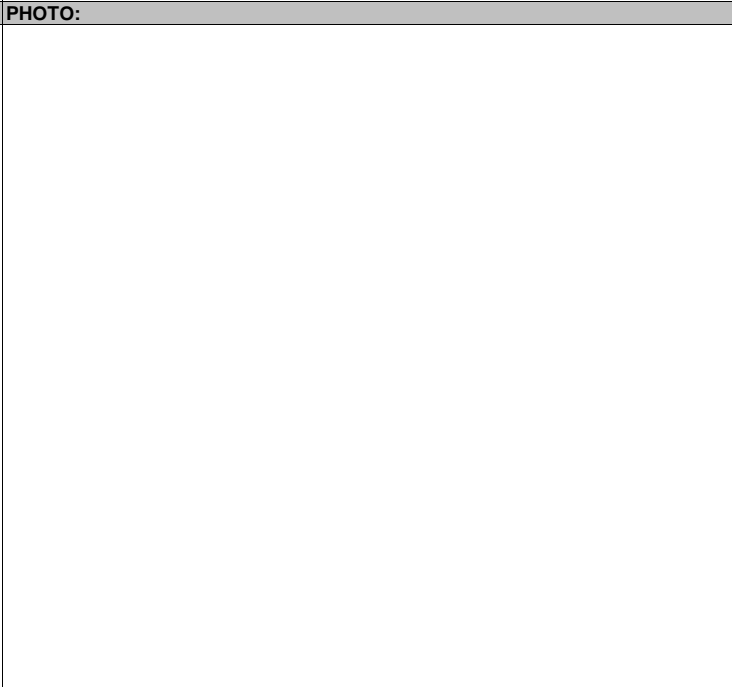
**GPS CONTROL SURVEY
FIELD DATA SHEET**

PAGE:
2

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **Cal5**
Proj. No.: **26817**

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**GPS CONTROL SURVEY
FIELD DATA SHEET**

PAGE:
1

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859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: CAL6
Proj. No.: 26817

STATE: VT **COUNTY:** Windham **QUAD:** Brattleboro (NH-VT)

OPERATOR: D. Griggs

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	35120.412	Elevation	406.547
Easting	480336.821		

RECEIVER MODEL: Trimble R8

RECEIVER S/N: DC# RS2DC48130

		ObsA	Obs B
SESSIONS	DATE:	11/08/15	11/08/15
VRS	DAY OF YEAR	312	312

	Obs A	ObsB		U.T.C.
START TIME	13:45	13:55		
END TIME	13:53	14:03	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT		MEASURED	FIXED HGT.
----------------	--	-----------------	-------------------

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
	MEASURED	X	FIXED HGT

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Gravel

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

PAGE:
2

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: CAL6
Proj. No.: 26817

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PHOTO: PHOTO:



PHOTO:

PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

PAGE:
1

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Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: CAL7
Proj. No.: 26817

STATE: VT **COUNTY:** Windham **QUAD:** Brattleboro (NH-VT)

OPERATOR: K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL: Trimble R8
RECEIVER S/N: DC# RS2DC48130

Northing	28834.741	Elevation	377.422
Easting	488188.069		

SESSION	DATE: 11/04/15	START TIME 10:47	U.T.C.
	DAY OF YEAR 308	END TIME 13:45	X LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT	MEASURED	FIXED HGT.
----------------	-----------------	-------------------

ANTENNA

RADIUS (M)			
Antenna Serial #	5106461161		
Antenna Type	R8 MODEL 3		

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters
MEASURED	X FIXED HGT

TOP OF MONUMENT IS: FLUSH

METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Mag Nail/Gravel

AERIAL TARGET	
PUB. BENCH MARK	X
PUB. CONTROL	

PHOTO I.D.

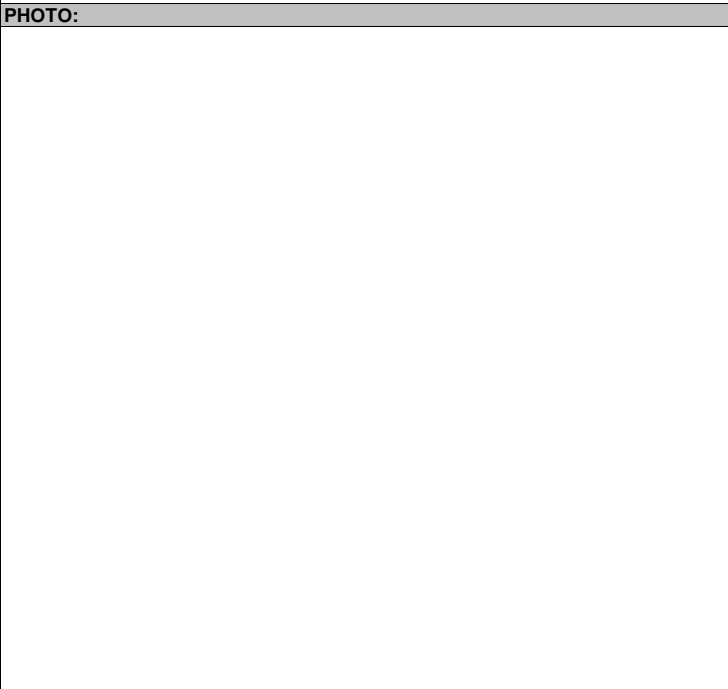
X	NEW CONTROL
	BASE STATION

Photo:

PHOTO:



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**GPS CONTROL SURVEY
FIELD DATA SHEET**

PAGE:
1

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859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: Cal8
Proj. No.: 26817

STATE VT **COUNTY** Bennington **QUAD:** Readsboro

OPERATOR D. Griggs

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	40156.168	Elevation	755.135
Easting	461241.781		

RECEIVER MODEL Trimble R8
RECEIVER S/N RS0TC15523

	ObsA	Obs B
SESSIONS	DATE: 11/06/15	11/06/15
VRS	DAY OF YEAR 310	310

	Obs A	ObsB		U.T.C.
START TIME	11:13	11:23		
END TIME	11:21	11:32	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT		MEASURED		FIXED HGT.
----------------	--	-----------------	--	-------------------

ANTENNA

RADIUS (M)			
Antenna Serial #	5153480435		
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters	MEASURED	X	FIXED HGT
----------------	--------------	-----------------	---	------------------

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Gravel

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

PAGE:
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JOB REFERENCE
Windham Co VT (USGS)

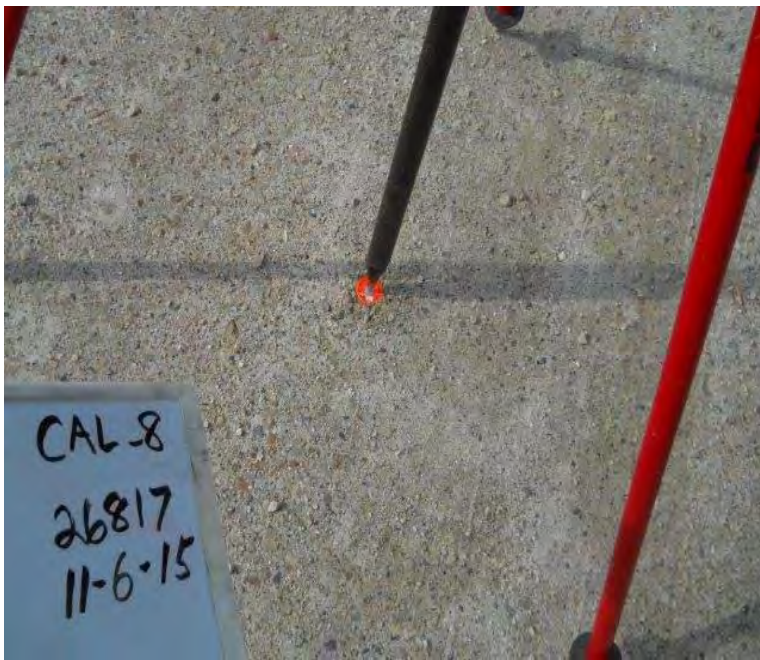
POINT ID: Cal8
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO: PHOTO:



PHOTO: PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

PAGE:
1

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: Cal9
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE VT **COUNTY** Windham **QUAD:** Jacksonville

OPERATOR D. Griggs

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing 41566.407 **Elevation** 475.929
Easting 470397.141

RECEIVER MODEL Trimble R8
RECEIVER S/N RS0TC15523

	ObsA	Obs B
SESSIONS	DATE: 11/05/15	11/05/15
VRS	DAY OF YEAR 309	309

	Obs A	ObsB		U.T.C.
START TIME	12:44	13:12		
END TIME	12:53	13:21	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT	MEASURED	FIXED HGT.
---------	----------	------------

ANTENNA

RADIUS (M)			
Antenna Serial #	5153480435		
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
	MEASURED	X	FIXED HGT

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Bare Earth

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:





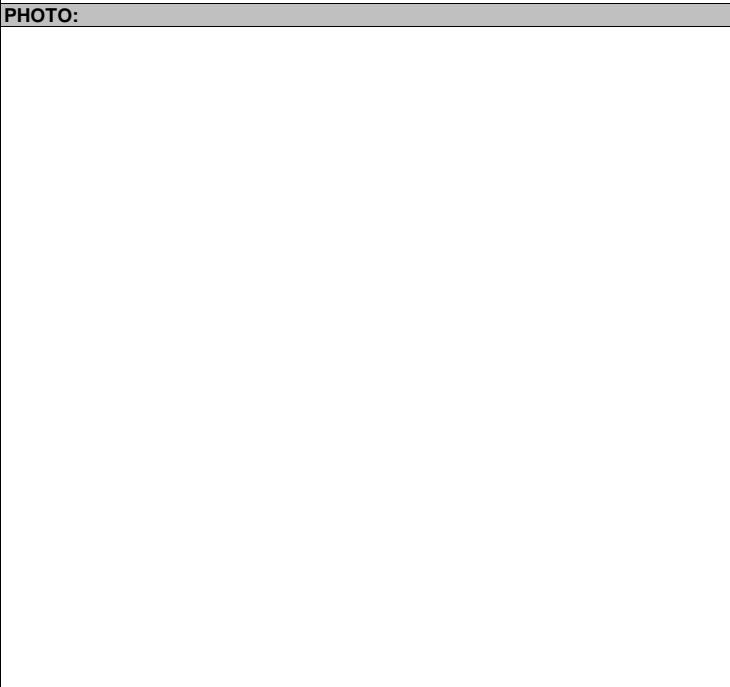
GPS CONTROL SURVEY
FIELD DATA SHEET

PAGE:
2

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: Cal9
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax





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**GPS CONTROL SURVEY
 FIELD DATA SHEET**

PAGE:
1

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **CAL10**
 Proj. No.: **26817**

STATE **VT**

COUNTY **Windham**

QUAD: **Mount Snow**

OPERATOR **D. Griggs**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing **52542.242**
 Easting **463512.975**
 Elevation **654.145**

RECEIVER MODEL **Trimble R8**

RECEIVER S/N **RS0TC15523**

	ObsA	Obs B
SESSIONS	DATE: 11/06/15	11/06/15
VRS	DAY OF YEAR 310	310

	Obs A	ObsB		U.T.C.
START TIME	15:20	15:32		
END TIME	15:30	15:41	X	LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT		MEASURED	FIXED HGT.

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000 Meters	MEASURED	X FIXED HGT

ANTENNA			
RADIUS (M)			
Antenna Serial #	5153480435		
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

TOP OF MONUMENT IS:		FLUSH
METERS/FEET		ABOVE GROUND
METERS/FEET		BELOW GROUND

Gravel

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:

PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

PAGE:
2

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: CAL10
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO:



PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

PAGE:
1

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **CAL11**
Proj. No.: **26817**

STATE: **VT** COUNTY: **Windham** QUAD: **Newfane (NH-VT)**

OPERATOR: **D. Griggs**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing: **48427.615** Elevation: **203.361**
Easting: **483140.626**

RECEIVER MODEL: **Trimble R8**
RECEIVER S/N: **DC# RS2DC48130**

	ObsA	Obs B
SESSIONS	DATE: 11/08/15	11/08/15
VRS	DAY OF YEAR: 312	312

	Obs A	ObsB		U.T.C.
START TIME	16:50	16:58		
END TIME	16:58	17:06	X	LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT		MEASURED	FIXED HGT.

ANTENNA			
RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000 Meters		
	MEASURED	X	FIXED HGT

TOP OF MONUMENT IS:		FLUSH
METERS/FEET		ABOVE GROUND
METERS/FEET		BELOW GROUND

Bare Earth

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:

PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **CAL11**
Proj. No.: **26817**

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO:



PHOTO:



PHOTO:



**GPS CONTROL SURVEY
FIELD DATA SHEET**

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523 Wellington Way, Suite 375
Lexington, KY 40503
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **CAL12**
Proj. No.: **26817**

STATE: **VT** COUNTY: **Windham** QUAD: **West Dover**

OPERATOR: **D. Griggs**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing: **51862.344** Elevation: **758.552**
Easting: **474077.325**

RECEIVER MODEL: **Trimble R8**
RECEIVER S/N: **RS0TC15523**

	ObsA	Obs B
SESSIONS	DATE: 11/07/15	11/07/15
VRS	DAY OF YEAR: 311	311

	Obs A	ObsB		U.T.C.
START TIME	09:52	10:02		
END TIME	10:00	10:10	X	LOCAL

ANTENNA HEIGHT (SLANT)
MTRS/FT: _____
MEASURED _____ FIXED HGT. _____

ANTENNA
RADIUS (M): _____
Antenna Serial #: **5153480435**
Antenna Type: **TRMR8 Model 3** Trimble Integrated Antenna

ANTENNA HEIGHT (ARP)
MTRS/FT: **2.000 Meters**
MEASURED _____ **X** _____ FIXED HGT _____

TOP OF MONUMENT IS: _____ FLUSH _____
METERS/FEET _____ ABOVE GROUND _____
METERS/FEET _____ BELOW GROUND _____

Gravel

AERIAL TARGET: **X** PHOTO I.D.
PUB. BENCH MARK: **X** NEW CONTROL
PUB. CONTROL: _____ BASE STATION

PHOTO: PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: CAL12
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO:



PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: CAL13
Proj. No.: 26817

STATE VT **COUNTY** Windham **QUAD:** Jamaica

OPERATOR D. Griggs

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL Trimble R8

Northing	67397.351	Elevation	532.658
Easting	471669.162		

RECEIVER S/N RS0TC15523

	ObsA	Obs B
SESSIONS	DATE: 11/07/15	11/07/15
VRS	DAY OF YEAR 311	311

	Obs A	ObsB		U.T.C.
START TIME	14:14	14:25		
END TIME	14:23	14:33	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT	
MEASURED	FIXED HGT.

ANTENNA

RADIUS (M)			
Antenna Serial #	5153480435		
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
MEASURED	X	FIXED HGT	

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Gravel

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: CAL13
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
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PHOTO: PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: Cal14
Proj. No.: 26817

STATE VT

COUNTY Windham

QUAD: Newfane (NH-VT)

OPERATOR K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	53031.442	Elevation	462.144
Easting	484323.072		

RECEIVER MODEL Trimble R8

RECEIVER S/N DC# RS2DC48130

		ObsA	Obs B
SESSIONS	DATE:	11/06/15	11/06/15
VRS	DAY OF YEAR	310	310

	Obs A	ObsB		U.T.C.
START TIME	13:17	13:30		
END TIME	13:29	13:38	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT		MEASURED		FIXED HGT.
----------------	--	-----------------	--	-------------------

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
	MEASURED	X	FIXED HGT

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Bare Earth

AERIAL TARGET		PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: Cal14
Proj. No.: 26817

PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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523 Wellington Way, Suite 375
Lexington, KY 40503
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **Cal15**
Proj. No.: **26817**

STATE: **VT** COUNTY: **Windham** QUAD: **Newfane (NH-VT)**

OPERATOR: **K.Roberts**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing: **45056.412** Elevation: **181.396**
Easting: **494370.241**

RECEIVER MODEL: **Trimble R8**
RECEIVER S/N: **DC# RS2DC48130**

	ObsA	Obs B
SESSIONS	DATE: 11/06/15	11/06/15
VRS	DAY OF YEAR: 310	310

	Obs A	ObsB		U.T.C.
START TIME	09:15	09:24		
END TIME	09:22	09:32	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT	
MEASURED	FIXED HGT.

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
MEASURED	X	FIXED HGT	

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Hard Surface (Gravel)

AERIAL TARGET		PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:





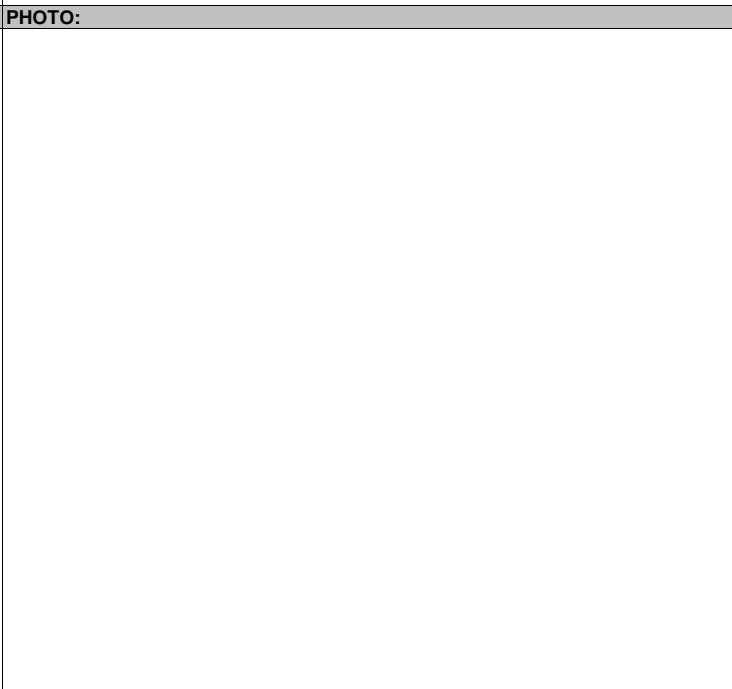
GPS CONTROL SURVEY
FIELD DATA SHEET

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: Cal15
Proj. No.: 26817

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**GPS CONTROL SURVEY
FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: Cal16
Proj. No.: 26817

STATE: VT **COUNTY:** Windham **QUAD:** Mount Snow

OPERATOR: K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing: 35902.474 **Elevation:** 498.372
Easting: 476984.975

RECEIVER MODEL: Trimble R8
RECEIVER S/N: DC# RS2DC48130

	ObsA	Obs B
SESSIONS	DATE: 11/05/15	11/05/15
VRS	DAY OF YEAR: 309	309

	Obs A	ObsB		U.T.C.
START TIME	11:10	11:27		
END TIME	11:25	11:35	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT	
MEASURED	FIXED HGT.

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
MEASURED	X	FIXED HGT	

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Hard Surface

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: Cal16
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
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PHOTO: PHOTO:



PHOTO: PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **Cal17**
Proj. No.: **26817**

STATE: **VT** COUNTY: **Windham** QUAD: **Newfane (NH-VT)**

OPERATOR: **K.Roberts**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	45566.569	Elevation	231.232
Easting	490000.188		

RECEIVER MODEL: **Trimble R8**
RECEIVER S/N: **DC# RS2DC48130**

	ObsA	Obs B
SESSIONS	11/06/15	11/06/15
VRS	310	310

	Obs A	ObsB		U.T.C.
START TIME	10:41	10:49		
END TIME	10:49	10:57	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT		MEASURED		FIXED HGT.
---------	--	----------	--	------------

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters	MEASURED	X	FIXED HGT
---------	---------------------	----------	----------	-----------

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Hard Surface (Gravel)

AERIAL TARGET		PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:





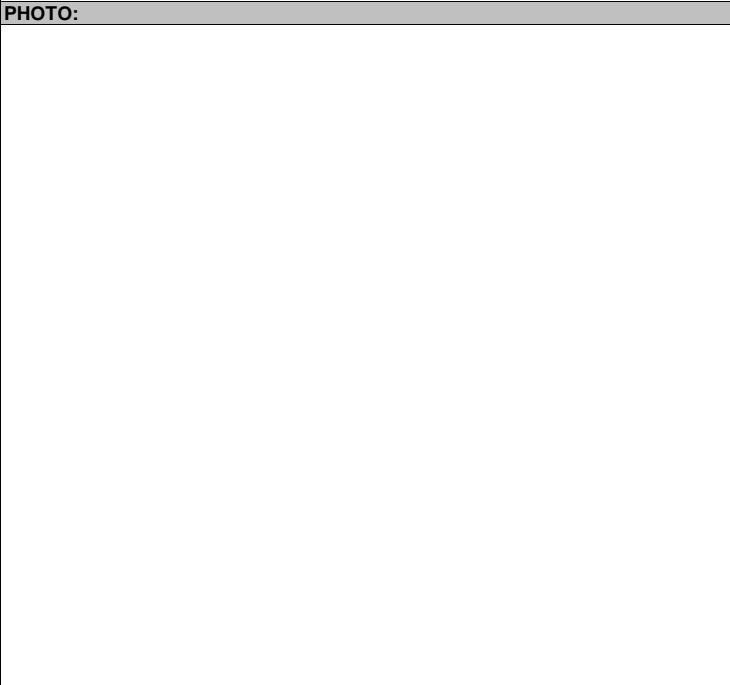
**GPS CONTROL SURVEY
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: Cal17
Proj. No.: 26817

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**GPS CONTROL SURVEY
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Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **Cal18**
Proj. No.: **26817**

STATE: **VT** COUNTY: **Windham** QUAD: **Townsend**

OPERATOR: **K.Roberts**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing: **55670.610** Elevation: **152.771**
Easting: **496880.356**

RECEIVER MODEL: **Trimble R8**
RECEIVER S/N: **DC# RS2DC48130**

	ObsA	Obs B
SESSIONS	DATE: 11/07/15	11/07/15
VRS	DAY OF YEAR: 311	311

	Obs A	ObsB		U.T.C.
START TIME	10:54	11:04		
END TIME	11:02	11:12	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT	
MEASURED	FIXED HGT.

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
MEASURED	X	FIXED HGT	

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Bare Earth

AERIAL TARGET		PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO: PHOTO:





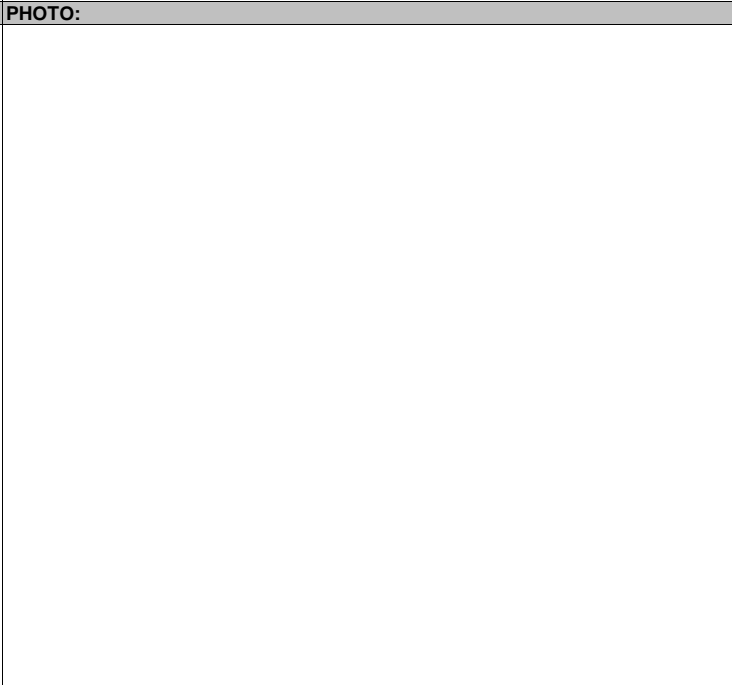
GPS CONTROL SURVEY
FIELD DATA SHEET

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: Cal18
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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523 Wellington Way, Suite 375
Lexington, KY 40503
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: CAL19
Proj. No.: 26817

STATE VT **COUNTY** Windham **QUAD:** Townsend

OPERATOR D. Griggs

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL Trimble R8

Northing	69073.117	Elevation	357.599
Easting	491822.225		

RECEIVER S/N RS0TC15523

		ObsA	Obs B
SESSIONS	DATE:	11/08/15	11/08/15
VRS	DAY OF YEAR	312	312

	Obs A	ObsB		U.T.C.
START TIME	10:17	10:29		
END TIME	10:25	10:37	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT		MEASURED	FIXED HGT.
----------------	--	-----------------	-------------------

ANTENNA

RADIUS (M)			
Antenna Serial #	5153480435		
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
	MEASURED	X	FIXED HGT

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Gravel

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: CAL19
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO: PHOTO:



PHOTO: PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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523 Wellington Way, Suite 375
Lexington, KY 40503
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: CAL20
Proj. No.: 26817

STATE: VT **COUNTY:** Windham **QUAD:** Townsend

OPERATOR: K. Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing: 60738.389 **Elevation:** 173.734
Easting: 486239.923

RECEIVER MODEL: Trimble R8
RECEIVER S/N:

	ObsA	Obs B
SESSIONS	DATE: 11/11/15	11/11/15
VRS	DAY OF YEAR: 315	315

	Obs A	ObsB		U.T.C.
START TIME	08:15	08:24		
END TIME	08:24	08:32	X	LOCAL

ANTENNA HEIGHT (SLANT)
MTRS/FT: MEASURED FIXED HGT.

ANTENNA
RADIUS (M): **Antenna Serial #**: **Antenna Type**: TRMR8 Model 3 Trimble Integrated Antenna

ANTENNA HEIGHT (ARP)
MTRS/FT: 2.000 Meters MEASURED X FIXED HGT

TOP OF MONUMENT IS: FLUSH
METERS/FEET: ABOVE GROUND
METERS/FEET: BELOW GROUND

Bare Earth

AERIAL TARGET: X **PHOTO I.D.**
PUB. BENCH MARK: X **NEW CONTROL**
PUB. CONTROL: **BASE STATION**





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **CAL20**
Proj. No.: **26817**

PHOTO:



PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **Cal21**
Proj. No.: **26817**

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE: **VT** COUNTY: **Windham** QUAD: **Saxtons River**

OPERATOR: **K.Roberts**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL: **Trimble R8**

Northing: **80973.166**
Easting: **496317.531**
Elevation: **166.655**

RECEIVER S/N: **DC# RS2DC48130**

	ObsA	Obs B
SESSIONS	DATE: 11/06/15	11/06/15
VRS	DAY OF YEAR: 310	310

	Obs A	ObsB		U.T.C.
START TIME	16:02	16:12		
END TIME	16:10	16:16	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT	
MEASURED	FIXED HGT.

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters
MEASURED	X FIXED HGT

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Bare Earth

AERIAL TARGET		PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION





**GPS CONTROL SURVEY
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: Cal21
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO:



PHOTO:



PHOTO:





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FIELD DATA SHEET**

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523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **Cal22**
Proj. No.: **26817**

STATE: **VT** COUNTY: **Windham** QUAD: **Bellows Falls (NH-VT)**

OPERATOR: **K.Roberts**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing: **73610.097** Elevation: **192.330**
Easting: **502158.856**

RECEIVER MODEL: **Trimble R8**
RECEIVER S/N: **DC# RS2DC48130**

	ObsA	Obs B
SESSIONS	DATE: 11/06/15	11/06/15
VRS	DAY OF YEAR: 310	310

	Obs A	ObsB		U.T.C.
START TIME	15:28	15:38		
END TIME	15:36	15:46	X	LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT		MEASURED	FIXED HGT.

ANTENNA			
RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000 Meters	MEASURED	X FIXED HGT

TOP OF MONUMENT IS:		FLUSH
METERS/FEET		ABOVE GROUND
METERS/FEET		BELOW GROUND

Hard Surface (Gravel)

AERIAL TARGET		PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO: PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: Cal22
Proj. No.: 26817

PHOTO:



PHOTO:



PHOTO:



**GPS CONTROL SURVEY
FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **Cal23**
Proj. No.: **26817**

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE: **VT** COUNTY: **Windham** QUAD: **Newfane (NH-VT)**

OPERATOR: **K.Roberts**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL: **Trimble R8**

Northing: **55228.157**
Easting: **492088.026**
Elevation: **446.482**

RECEIVER S/N: **DC# RS2DC48130**

	ObsA	Obs B
SESSIONS	DATE: 11/07/15	11/07/15
VRS	DAY OF YEAR: 311	311

	Obs A	ObsB		U.T.C.
START TIME	12:08	12:23		
END TIME	12:21	12:33	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT	
MEASURED	FIXED HGT.

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
MEASURED	X	FIXED HGT	

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Gravel

AERIAL TARGET		PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:

PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: Cal23
Proj. No.: 26817

523 Wellington Way, Suite 375
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PHOTO:



PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: CAL24
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE VT **COUNTY** Windham **QUAD:** Brattleboro (NH-VT)

OPERATOR K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL Trimble R8
RECEIVER S/N DC# RS2DC48130

Northing	33442.260	Elevation	141.137
Easting	491903.921		

SESSION	DATE: 11/04/15	START TIME 07:50	U.T.C.
	DAY OF YEAR 308	END TIME 10:14	X LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT	MEASURED	FIXED HGT.
----------------	-----------------	-------------------

ANTENNA

RADIUS (M)			
Antenna Serial #	5106461161		
Antenna Type	R8 MODEL 3		

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
	MEASURED	X	FIXED HGT

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Mag Nail/Gravel

AERIAL TARGET		PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

Photo: **PHOTO:**



523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO: **PHOTO:**



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **CAL25**
Proj. No.: **26817**

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE: **VT** COUNTY: **Windham** QUAD: **West Dover**

OPERATOR: **D. Griggs**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL: **Trimble R8**

Northing: **44301.457**
Easting: **476198.390**
Elevation: **625.806**

RECEIVER S/N: **RS0TC15523**

	ObsA	Obs B
SESSIONS	DATE: 11/07/15	11/07/15
VRS	DAY OF YEAR: 311	311

	Obs A	ObsB		U.T.C.
START TIME	08:10	08:21		
END TIME	08:18	08:29	X	LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT		MEASURED	FIXED HGT.

ANTENNA			
RADIUS (M)			
Antenna Serial #	5153480435		
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000 Meters		
	MEASURED	X	FIXED HGT

TOP OF MONUMENT IS:		FLUSH
METERS/FEET		ABOVE GROUND
METERS/FEET		BELOW GROUND

Gravel

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO: PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: CAL25
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO: PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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523 Wellington Way, Suite 375
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859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **Cal26**
Proj. No.: **26817**

STATE: **VT** COUNTY: **Windham** QUAD: **Mount Snow**

OPERATOR: **D. Griggs**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing: **47356.934** Elevation: **624.120**
Easting: **467700.634**

RECEIVER MODEL: **Trimble R8**
RECEIVER S/N: **RS0TC15523**

	ObsA	Obs B
SESSIONS	DATE: 11/06/15	11/06/15
VRS	DAY OF YEAR: 310	310

	Obs A	ObsB		U.T.C.
START TIME	12:23	12:34		
END TIME	12:31	12:42	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT	
MEASURED	FIXED HGT.

ANTENNA

RADIUS (M)			
Antenna Serial #	5153480435		
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
MEASURED	X	FIXED HGT	

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Bare Earth

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:

PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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523 Wellington Way, Suite 375
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: Cal26
Proj. No.: 26817

PHOTO:



PHOTO:



PHOTO:



PHOTO:





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 859-277-8700 voice 859-277-8901 fax

**GPS CONTROL SURVEY
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **CAL27**
 Proj. No.: **26817**

STATE: **VT** COUNTY: **Windham** QUAD: **Jamaica**

OPERATOR: **D. Griggs**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing: **59040.365** Elevation: **348.503**
 Easting: **477567.972**

RECEIVER MODEL: **Trimble R8**
 RECEIVER S/N: **RS0TC15523**

	ObsA	Obs B
SESSIONS	DATE: 11/07/15	11/07/15
VRS	DAY OF YEAR: 311	311

	Obs A	ObsB		U.T.C.
START TIME	11:36	12:19		
END TIME	11:45	12:24	X	LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT		MEASURED	FIXED HGT.

ANTENNA			
RADIUS (M)			
Antenna Serial #	5153480435		
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000 Meters		
	MEASURED	X	FIXED HGT

TOP OF MONUMENT IS:		FLUSH
METERS/FEET		ABOVE GROUND
METERS/FEET		BELOW GROUND

Gravel

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO: PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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523 Wellington Way, Suite 375
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **CAL27**
Proj. No.: **26817**

PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **CAL28**
Proj. No.: **26817**

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE: **VT** COUNTY: **Windham** QUAD: **Brattleboro (NH-VT)**

OPERATOR: **K.Roberts**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL: **Trimble R8**
RECEIVER S/N: **DC# RS2DC48130**

Northing	39992.349	Elevation	527.604
Easting	481529.400		

SESSION	DATE: 11/05/15	START TIME	08:06	U.T.C.
11613092	DAY OF YEAR: 309	END TIME	10:12	X LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT	MEASURED	FIXED HGT.
---------	----------	------------

ANTENNA

RADIUS (M)			
Antenna Serial #	5106461161		
Antenna Type	R8 MODEL 3		

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
	MEASURED	X	FIXED HGT

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Bare Earth

AERIAL TARGET	PHOTO I.D.
PUB. BENCH MARK	X NEW CONTROL
PUB. CONTROL	BASE STATION

Photo: PHOTO:



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PHOTO:



PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: Cal29
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE VT **COUNTY** Windham **QUAD:** Jacksonville

OPERATOR D. Griggs

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing 29573.680 **Elevation** 477.629
Easting 474409.189

RECEIVER MODEL Trimble R8
RECEIVER S/N RS0TC15523

	ObsA	Obs B
SESSIONS	DATE: 11/06/15	11/06/15
VRS	DAY OF YEAR 310	310

	Obs A	ObsB		U.T.C.
START TIME	09:21	09:32		
END TIME	09:29	09:40	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT	MEASURED	FIXED HGT.
---------	----------	------------

ANTENNA

RADIUS (M)			
Antenna Serial #	5153480435		
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
	MEASURED	X	FIXED HGT

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Bare Earth

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: Cal29
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
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PHOTO: PHOTO:



PHOTO: PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **CAL30**
Proj. No.: **26817**

STATE: **VT** COUNTY: **Windham** QUAD: **Saxtons River**

OPERATOR: **D. Griggs**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing: **69875.608** Elevation: **461.309**
Easting: **483301.999**

RECEIVER MODEL: **Trimble R8**
RECEIVER S/N: **RS0TC15523**

	ObsA	Obs B
SESSIONS	DATE: 11/08/15	11/08/15
VRS	DAY OF YEAR: 312	312

	Obs A	ObsB		U.T.C.
START TIME	09:14	09:24		
END TIME	09:22	09:32	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT	
MEASURED	FIXED HGT.

ANTENNA

RADIUS (M)			
Antenna Serial #	5153480435		
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters
MEASURED	X FIXED HGT

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Gravel

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO: PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: CAL30
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
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PHOTO: PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **BE1**
Proj. No.: **26817**

STATE: **VT** COUNTY: **Windham** QUAD: **Mount Snow**

OPERATOR: **D. Griggs**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	52254.467	Elevation	601.886
Easting	467804.391		

RECEIVER MODEL: **Trimble R8**
RECEIVER S/N: **RS0TC15523**

	ObsA	Obs B
SESSIONS	11/06/15	11/06/15
VRS	310	310

	Obs A	ObsB		U.T.C.
START TIME	13:02	13:21		
END TIME	13:10	13:30	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT		MEASURED		FIXED HGT.
---------	--	----------	--	------------

ANTENNA

RADIUS (M)			
Antenna Serial #	5153480435		
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters	MEASURED	X	FIXED HGT
---------	---------------------	----------	----------	-----------

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Bare Earth

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: BE1
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO: PHOTO:



PHOTO:

PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **BE2**
Proj. No.: **26817**

STATE: **VT** COUNTY: **Windham** QUAD: **Walpole(NH_VT)**

OPERATOR: **K.Roberts**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing: **65467.990** Elevation: **118.977**
Easting: **503604.014**

RECEIVER MODEL: **Trimble R8**

RECEIVER S/N: **DC# RS2DC48130**

	ObsA	Obs B
SESSIONS	DATE: 11/07/15	11/07/15
VRS	DAY OF YEAR: 311	311

	Obs A	ObsB		U.T.C.
START TIME	09:44	09:54		
END TIME	09:52	10:02	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT	
MEASURED	FIXED HGT.

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
MEASURED	X	FIXED HGT	

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Bare Earth

AERIAL TARGET		PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION





GPS CONTROL SURVEY
FIELD DATA SHEET

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: BE2
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO: PHOTO:



PHOTO: PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: BE3
Proj. No.: 26817

STATE: VT **COUNTY:** Windham **QUAD:** Northfield (MA-NH-VT)

OPERATOR: K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	25489.099	Elevation	81.680
Easting	502656.887		

RECEIVER MODEL: Trimble R8

RECEIVER S/N: DC# RS2DC48130

	ObsA	Obs B
SESSIONS	11/03/15	11/03/15
RTK	307	307

	Obs A	ObsB		U.T.C.
START TIME	12:07	12:12		
END TIME	12:10	12:15	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT		MEASURED	FIXED HGT.
---------	--	----------	------------

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters	MEASURED	X	FIXED HGT
---------	--------------	----------	---	-----------

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Bare Earth

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: BE3
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO: PHOTO:



PHOTO: PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **BE4**
Proj. No.: **26817**

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE: **VT** COUNTY: **Windham** QUAD: **Jamaica**

OPERATOR: **D. Griggs**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing: **66076.898** Elevation: **200.370**
Easting: **478033.231**

RECEIVER MODEL: **Trimble R8**
RECEIVER S/N: **RS0TC15523**

	ObsA	Obs B
SESSIONS	DATE: 11/07/15	11/07/15
VRS	DAY OF YEAR: 311	311

	Obs A	ObsB		U.T.C.
START TIME	15:47	15:57		
END TIME	15:55	16:04	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT	
MEASURED	FIXED HGT.

ANTENNA

RADIUS (M)			
Antenna Serial #	5153480435		
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
MEASURED	X	FIXED HGT	

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Bare Earth

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO: PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: BE4
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO: PHOTO:



PHOTO: PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA1
Proj. No.: 26817

STATE VT

COUNTY Windham

QUAD: Bernardstown (NH-VT)

OPERATOR K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	27439.418	Elevation	116.937
Easting	499115.394		

RECEIVER MODEL Trimble R8

RECEIVER S/N DC# RS2DC48130

	ObsA	Obs B
SESSIONS	11/03/15	11/03/15
RTK	307	307
DATE:	11/03/15	11/03/15
DAY OF YEAR	307	307

	Obs A	ObsB		U.T.C.
START TIME	11:23	11:29		
END TIME	11:26	11:31	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT	
MEASURED	FIXED HGT.

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
MEASURED	X	FIXED HGT	

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Urban Area

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:

PHOTO:



11 03 2015 12 29

11 03 2015 12 29



GPS CONTROL SURVEY
FIELD DATA SHEET

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA1
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO:



PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA2
Proj. No.: 26817

STATE: VT **COUNTY:** Windham **QUAD:** Northfield (MA-NH-VT)

OPERATOR: K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	25234.625	Elevation	92.551
Easting	502799.312		

RECEIVER MODEL: Trimble R8

RECEIVER S/N: DC# RS2DC48130

	ObsA	Obs B
SESSIONS	11/03/15	11/03/15
DATE:		
DAY OF YEAR	307	307
RTK		

	Obs A	ObsB		U.T.C.
START TIME	12:33	12:43		
END TIME	12:36	12:46	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT		MEASURED		FIXED HGT.
----------------	--	-----------------	--	-------------------

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
	MEASURED	X	FIXED HGT

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Urban Area

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:

PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

PAGE:
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA2
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO: PHOTO:



PHOTO:

PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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523 Wellington Way, Suite 375
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA3
Proj. No.: 26817

STATE: VT **COUNTY:** Windham **QUAD:** Brattleboro (NH-VT)

OPERATOR: K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL: Trimble R8

Northing: 31658.455 **Elevation:** 235.769
Easting: 489354.602

RECEIVER S/N: DC# RS2DC48130

	ObsA	Obs B
SESSIONS	DATE: 11/04/15	11/04/15
RTK	DAY OF YEAR: 308	308

	Obs A	ObsB		U.T.C.
START TIME	10:55	11:00		
END TIME	10:58	11:03	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT	
MEASURED	FIXED HGT.

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
MEASURED	X	FIXED HGT	

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Urban Area

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA3
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO: PHOTO:



PHOTO: PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

PAGE:
1

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA4
Proj. No.: 26817

STATE VT

COUNTY Windham

QUAD: Bernardston (MA-VT)

OPERATOR K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	27499.851	Elevation	161.669
Easting	494602.231		

RECEIVER MODEL Trimble R8

RECEIVER S/N DC# RS2DC48130

		ObsA	Obs B
SESSIONS	DATE:	11/05/15	11/05/15
VRS	DAY OF YEAR	309	309

	Obs A	ObsB		
START TIME	15:42	15:55		U.T.C.
END TIME	15:52	16:03	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT	
MEASURED	FIXED HGT.

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
MEASURED	X	FIXED HGT	

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

B/Top

AERIAL TARGET		PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:

PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

PAGE:
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA4
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO: PHOTO:



PHOTO:

PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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1

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **UA5**
Proj. No.: **26817**

STATE **VT**

COUNTY **Windham**

QUAD: **Mount Snow**

OPERATOR **D. Griggs**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	52441.804	Elevation	621.829
Easting	468162.233		

RECEIVER MODEL **Trimble R8**

RECEIVER S/N **RS0TC15523**

	ObsA	Obs B
SESSIONS	11/06/15	11/06/15
VRS	310	310
DATE:	11/06/15	11/06/15
DAY OF YEAR	310	310

	Obs A	ObsB		U.T.C.
START TIME	13:46	13:59		
END TIME	13:55	14:07	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT	
MEASURED	FIXED HGT.

ANTENNA

RADIUS (M)			
Antenna Serial #	5153480435		
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters
MEASURED	X FIXED HGT

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Urban Area

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA5
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO:



PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **UA6**
Proj. No.: **26817**

STATE: **VT** COUNTY: **Windham** QUAD: **Stratton**

OPERATOR: **D. Griggs**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing: **57591.195** Elevation: **675.951**
Easting: **460573.832**

RECEIVER MODEL: **Trimble R8**

RECEIVER S/N: **RS0TC15523**

	ObsA	Obs B
SESSIONS	DATE: 11/06/15	11/06/15
VRS	DAY OF YEAR: 310	310

	Obs A	ObsB		U.T.C.
START TIME	16:19	16:29		
END TIME	16:27	16:38	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT	
MEASURED	FIXED HGT.

ANTENNA

RADIUS (M)			
Antenna Serial #	5153480435		
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
MEASURED	X	FIXED HGT	

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Gravel

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO: PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

PAGE:
2

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA6
Proj. No.: 26817

PHOTO:



PHOTO:



PHOTO:



523 Wellington Way, Suite 375
 Lexington, KY 40503
 859-277-8700 voice 859-277-8901 fax

**GPS CONTROL SURVEY
 FIELD DATA SHEET**

PAGE:
1

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **UA7**
 Proj. No.: **26817**

STATE **VT**

COUNTY **Windham**

QUAD: **Brattleboro (NH-VT)**

OPERATOR **K.Roberts**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	34654.698	Elevation	125.621
Easting	494486.377		

RECEIVER MODEL **Trimble R8**

RECEIVER S/N **DC# RS2DC48130**

	ObsA	Obs B
SESSIONS	11/04/15	11/04/15
DATE:		
DAY OF YEAR	308	308
RTK		

	Obs A	ObsB		U.T.C.
START TIME	08:42	08:47		
END TIME	08:45	08:50	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT	
MEASURED	FIXED HGT.

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
MEASURED	X	FIXED HGT	

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Urban Area

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:

PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

PAGE:
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA7
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
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PHOTO:



PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

PAGE:
1

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **UA8**
Proj. No.: **26817**

STATE: **VT** COUNTY: **Windham** QUAD: **Jacksonville**

OPERATOR: **D. Griggs**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL: **Trimble R8**

Northing: **28495.090** Elevation: **286.921**
Easting: **478866.365**

RECEIVER S/N: **RS0TC15523**

	ObsA	Obs B
SESSIONS	DATE: 11/06/15	11/06/15
VRS	DAY OF YEAR: 310	310

	Obs A	ObsB		U.T.C.
START TIME	08:51	09:02		
END TIME	09:00	09:11	X	LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT		MEASURED	FIXED HGT.

ANTENNA			
RADIUS (M)			
Antenna Serial #	5153480435		
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000 Meters	MEASURED	X FIXED HGT

TOP OF MONUMENT IS:		FLUSH
METERS/FEET		ABOVE GROUND
METERS/FEET		BELOW GROUND

Urban Area

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO: PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

PAGE:
2

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA8
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
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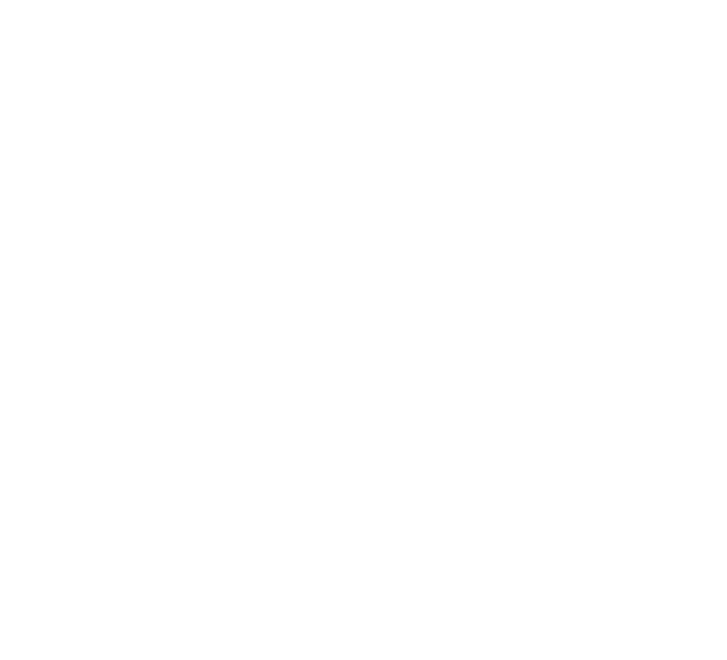
PHOTO: PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

PAGE:
1

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859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA9
Proj. No.: 26817

STATE VT **COUNTY** Windham **QUAD:** Mount Snow

OPERATOR D. Griggs

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	43668.877	Elevation	685.820
Easting	459310.970		

RECEIVER MODEL Trimble R8
RECEIVER S/N RS0TC15523

	ObsA	Obs B
SESSIONS	11/05/15	11/05/15
VRS	309	309
DATE:	11/05/15	11/05/15
DAY OF YEAR	309	309

	Obs A	ObsB		U.T.C.
START TIME	15:36	16:01		
END TIME	15:45	16:04	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT		MEASURED		FIXED HGT.
----------------	--	-----------------	--	-------------------

ANTENNA

RADIUS (M)			
Antenna Serial #	5153480435		
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters	MEASURED	X	FIXED HGT
----------------	--------------	-----------------	---	------------------

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Pavement

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

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JOB REFERENCE
Windham Co VT (USGS)

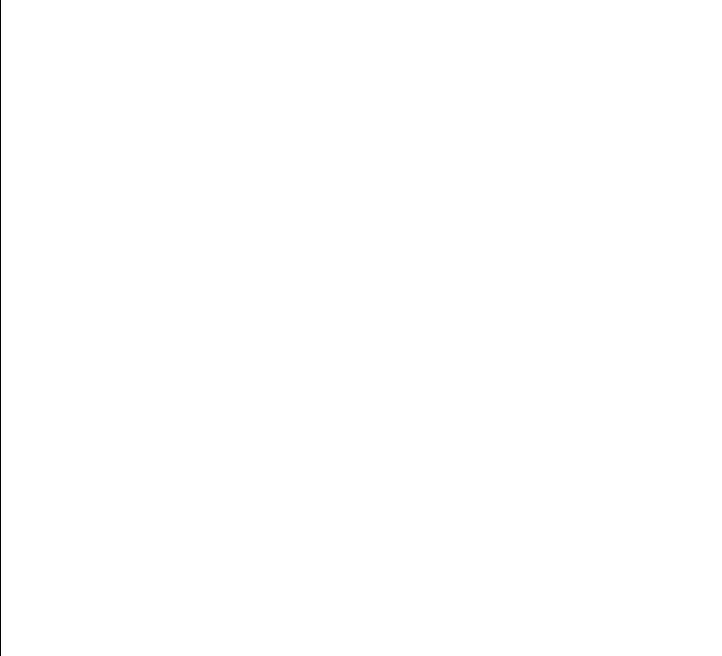
POINT ID: UA9
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO: PHOTO:



PHOTO: PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

PAGE:
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **UA10**
Proj. No.: **26817**

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE: **VT** COUNTY: **Windham** QUAD: **Readsboro**

OPERATOR: **D.Griggs**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL: **Trimble R8**
RECEIVER S/N: **5153480435**

NORTHING	29536.215	ELEVATION	482.213
EASTING	466549.447		

SESSION	04353130	DATE:	11/09/15	START TIME	09:03		U.T.C.
		DAY OF YEAR	313	END TIME	11:08	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT		MEASURED		FIXED HGT.
---------	--	----------	--	------------

ANTENNA

RADIUS (M)			
Antenna Serial #	5153480435		
Antenna Type	R8 MODEL 3		

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters	MEASURED	X	FIXED HGT
---------	---------------------	----------	----------	-----------

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Pavement

AERIAL TARGET		PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

Photo:

PHOTO:



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Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO:



PHOTO:



PHOTO:



PHOTO:





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 Lexington, KY 40503
 859-277-8700 voice 859-277-8901 fax

**GPS CONTROL SURVEY
 FIELD DATA SHEET**

PAGE:
1

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **UA11**
 Proj. No.: **26817**

STATE **VT**

COUNTY **Windham**

QUAD: **Readsboro**

OPERATOR **D. Griggs**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing **41259.477**
 Easting **467037.464**
 Elevation **457.732**

RECEIVER MODEL **Trimble R8**

RECEIVER S/N **RS0TC15523**

	ObsA	Obs B
SESSIONS	DATE: 11/05/15	11/05/15
VRS	DAY OF YEAR 309	309

	Obs A	ObsB		U.T.C.
START TIME	13:36	13:46		
END TIME	13:44	13:54	X	LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT		MEASURED	FIXED HGT.

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000 Meters	MEASURED	X FIXED HGT

ANTENNA			
RADIUS (M)			
Antenna Serial #	5153480435		
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

TOP OF MONUMENT IS:		FLUSH
METERS/FEET		ABOVE GROUND
METERS/FEET		BELOW GROUND

Pavement

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:

PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

PAGE:
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA11
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO: PHOTO:



PHOTO: PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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1

523 Wellington Way, Suite 375
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859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA12
Proj. No.: 26817

STATE VT **COUNTY** Windham **QUAD:** Walpole (NH-VT)

OPERATOR K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	68712.095	Elevation	119.545
Easting	503650.493		

RECEIVER MODEL Trimble R8
RECEIVER S/N DC# RS2DC48130

	ObsA	Obs B
SESSIONS	11/06/15	11/06/15
VRS	310	310
DATE:	11/06/15	11/06/15
DAY OF YEAR	310	310

	Obs A	ObsB		U.T.C.
START TIME	14:54	15:04		
END TIME	15:02	15:12	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT		MEASURED		FIXED HGT.
----------------	--	-----------------	--	-------------------

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters	MEASURED	X	FIXED HGT
----------------	--------------	-----------------	---	------------------

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

B/Top

AERIAL TARGET		PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION





GPS CONTROL SURVEY
FIELD DATA SHEET

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA12
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO: PHOTO:



PHOTO: PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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1

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA13
Proj. No.: 26817

STATE VT **COUNTY** Windham **QUAD:** Newfane (NH-VT)

OPERATOR D. Griggs

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL Trimble R8

Northing	48422.481	Elevation	200.054
Easting	483103.853		

RECEIVER S/N DC# RS2DC48130

	ObsA	Obs B
SESSIONS	11/08/15	11/08/15
VRS	312	312

	Obs A	ObsB		U.T.C.
START TIME	16:04	16:30		
END TIME	16:13	16:38	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT		MEASURED		FIXED HGT.
----------------	--	-----------------	--	-------------------

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
	MEASURED	X	FIXED HGT

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Pavement

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA13
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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1

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **UA14**
Proj. No.: **26817**

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE: **VT** COUNTY: **Windham** QUAD: **Jacksonville**

OPERATOR: **D. Griggs**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing: **29590.576** Elevation: **476.636**
Easting: **474415.344**

RECEIVER MODEL: **Trimble R8**
RECEIVER S/N: **DC# RS2DC48130**

	ObsA	Obs B
SESSIONS	DATE: 11/08/15	11/08/15
VRS	DAY OF YEAR: 312	312

	Obs A	ObsB		U.T.C.
START TIME	11:02	11:06		
END TIME	11:05	11:09	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT	
MEASURED	FIXED HGT.

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
MEASURED	X	FIXED HGT	

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Pavement

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:





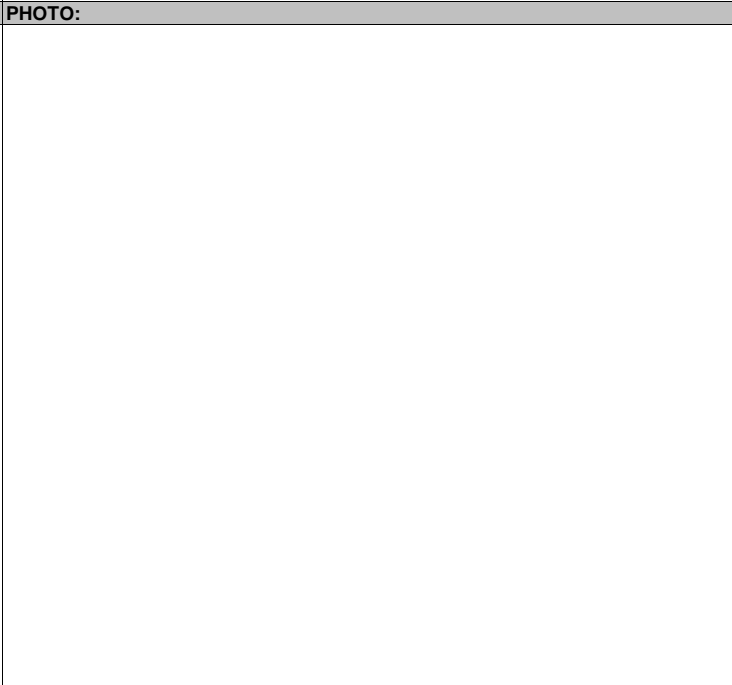
**GPS CONTROL SURVEY
FIELD DATA SHEET**

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2

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA14
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
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**GPS CONTROL SURVEY
FIELD DATA SHEET**

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523 Wellington Way, Suite 375
Lexington, KY 40503
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **UA15**
Proj. No.: **26817**

STATE: **VT** COUNTY: **Windham** QUAD: **Jamaica**

OPERATOR: **D. Griggs**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing: **66406.529** Elevation: **454.828**
Easting: **471082.068**

RECEIVER MODEL: **Trimble R8**
RECEIVER S/N: **RS0TC15523**

	ObsA	Obs B
SESSIONS	DATE: 11/07/15	11/07/15
VRS	DAY OF YEAR: 311	311

	Obs A	ObsB		U.T.C.
START TIME	13:45	13:55		
END TIME	13:53	14:05	X	LOCAL

ANTENNA HEIGHT (SLANT)
MTRS/FT: _____
MEASURED _____ FIXED HGT. _____

ANTENNA
RADIUS (M): _____
Antenna Serial #: **5153480435**
Antenna Type: **TRMR8 Model 3** Trimble Integrated Antenna

ANTENNA HEIGHT (ARP)
MTRS/FT: **2.000 Meters**
MEASURED _____ **X** _____ FIXED HGT _____

TOP OF MONUMENT IS: _____ FLUSH _____
METERS/FEET _____ ABOVE GROUND _____
METERS/FEET _____ BELOW GROUND _____

Pavement

AERIAL TARGET: **X** PHOTO I.D.
PUB. BENCH MARK: **X** NEW CONTROL
PUB. CONTROL: _____ BASE STATION

PHOTO: PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA15
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO: PHOTO:



PHOTO:

PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA16
Proj. No.: 26817

STATE VT **COUNTY** Windham **QUAD:** Jamaica

OPERATOR D. Griggs

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing 65006.824 **Elevation** 182.131
Easting 478910.719

RECEIVER MODEL Trimble R8
RECEIVER S/N RS0TC15523

	ObsA	Obs B
SESSIONS	DATE: 11/07/15	11/07/15
VRS	DAY OF YEAR 311	311

	Obs A	ObsB		U.T.C.
START TIME	16:14	16:25		
END TIME	16:22	16:34	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT	MEASURED	FIXED HGT.
---------	----------	------------

ANTENNA

RADIUS (M)			
Antenna Serial #	5153480435		
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
	MEASURED	X	FIXED HGT

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Pavement

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:



PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

PAGE:
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA16
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO:



PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

PAGE:
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523 Wellington Way, Suite 375
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **UA17**
Proj. No.: **26817**

STATE: **VT** COUNTY: **Windham** QUAD: **Townsend**

OPERATOR: **D. Griggs**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing: **64262.801** Elevation: **173.227**
Easting: **483344.495**

RECEIVER MODEL: **Trimble R8**

RECEIVER S/N: **RS0TC15523**

	ObsA	Obs B
SESSIONS	DATE: 11/08/15	11/08/15
VRS	DAY OF YEAR: 312	312

	Obs A	ObsB		U.T.C.
START TIME	08:29	08:40		
END TIME	08:38	08:49	X	LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT		MEASURED	FIXED HGT.

ANTENNA			
RADIUS (M)			
Antenna Serial #	5153480435		
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000 Meters		
	MEASURED	X	FIXED HGT

TOP OF MONUMENT IS:		FLUSH
METERS/FEET		ABOVE GROUND
METERS/FEET		BELOW GROUND

Pavement

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO: PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

PAGE:
2

523 Wellington Way, Suite 375
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859-277-8700 voice 859-277-8901 fax

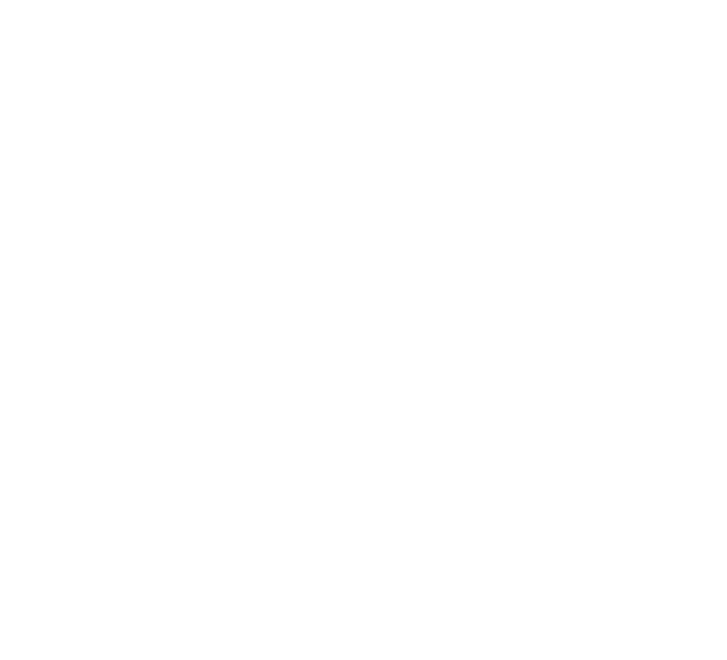
JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA17
Proj. No.: 26817

PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

PAGE:
1

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA18
Proj. No.: 26817

STATE: VT **COUNTY:** Windham **QUAD:** Saxtons River

OPERATOR: D. Griggs

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	71787.323	Elevation	189.400
Easting	496160.848		

RECEIVER MODEL: Trimble R8
RECEIVER S/N: RS0TC15523

	ObsA	Obs B
SESSIONS	11/08/15	11/08/15
VRS	312	312

	Obs A	ObsB		U.T.C.
START TIME	11:14	11:35		
END TIME	11:22	11:33	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT		MEASURED		FIXED HGT.
----------------	--	-----------------	--	-------------------

ANTENNA

RADIUS (M)			
Antenna Serial #	5153480435		
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters	MEASURED	X	FIXED HGT
----------------	--------------	-----------------	---	------------------

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Pavement

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

PAGE:
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA18
Proj. No.: 26817

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Lexington, KY 40503
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PHOTO: PHOTO:



PHOTO:

PHOTO:





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**GPS CONTROL SURVEY
 FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **UA19**
 Proj. No.: **26817**

STATE **VT**

COUNTY **Windham**

QUAD: **Brattleboro (NH-VT)**

OPERATOR **K.Roberts**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	40563.750	Elevation	151.078
Easting	490755.453		

RECEIVER MODEL **Trimble R8**

RECEIVER S/N **DC# RS2DC48130**

	ObsA	Obs B
SESSIONS	11/06/15	11/06/15
VRS	310	310
DATE:	11/06/15	11/06/15
DAY OF YEAR	310	310

	Obs A	ObsB		U.T.C.
START TIME	16:18	16:29		
END TIME	16:27	16:37	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT	
MEASURED	FIXED HGT.

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
MEASURED	X	FIXED HGT	

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

B/Top

AERIAL TARGET		PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:

PHOTO:





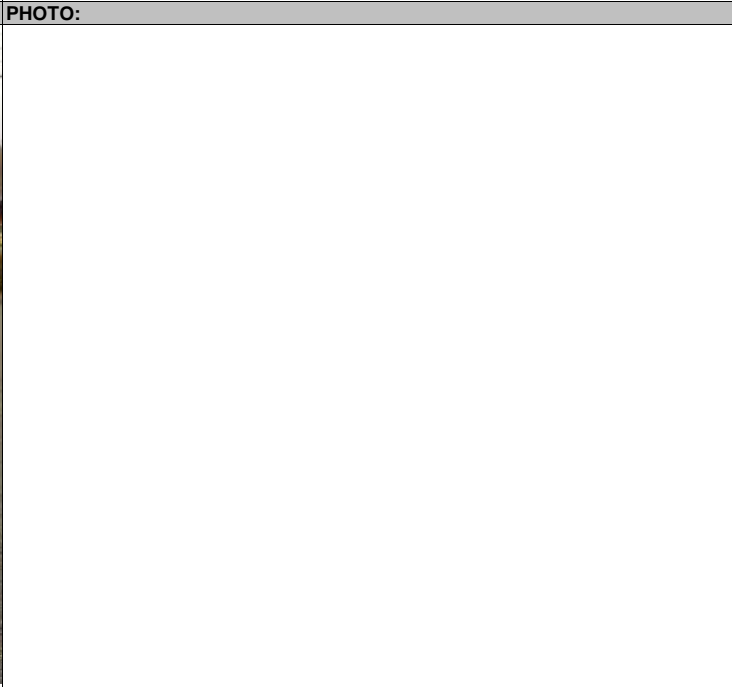
**GPS CONTROL SURVEY
FIELD DATA SHEET**

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2

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA_19
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
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**GPS CONTROL SURVEY
FIELD DATA SHEET**

PAGE:
1

523 Wellington Way, Suite 375
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA20
Proj. No.: 26817

STATE VT

COUNTY Windham

QUAD: Townsend

OPERATOR D. Griggs

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL Trimble R8

Northing 60735.239

Easting 486229.002

Elevation
173.758

RECEIVER S/N

	ObsA	Obs B
SESSIONS	DATE: 11/11/15	11/11/15
VRS	DAY OF YEAR: 315	315

	Obs A	ObsB		U.T.C.
START TIME	08:35	08:42		
END TIME	08:41	08:50	X	LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT			
	MEASURED		FIXED HGT.

ANTENNA			
RADIUS (M)			
Antenna Serial #			
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000 Meters		
	MEASURED	X	FIXED HGT

TOP OF MONUMENT IS:		FLUSH
METERS/FEET		ABOVE GROUND
METERS/FEET		BELOW GROUND

Pavement

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

PAGE:
2

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA20
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
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PHOTO:



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PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA21
Proj. No.: 26817

STATE VT

COUNTY Windham

QUAD: West Dover

OPERATOR D. Griggs

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	48483.182	Elevation	591.125
Easting	475378.287		

RECEIVER MODEL Trimble R8

RECEIVER S/N RS0TC15523

		ObsA	Obs B
SESSIONS	DATE:	11/07/15	11/07/15
VRS	DAY OF YEAR	311	311

	Obs A	ObsB		
START TIME	08:56	09:05		U.T.C.
END TIME	09:04	09:13	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT	
MEASURED	FIXED HGT.

ANTENNA

RADIUS (M)			
Antenna Serial #	5153480435		
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
MEASURED	X	FIXED HGT	

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Gravel

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:

PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA21
Proj. No.: 26817

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PHOTO:



PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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1

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA22
Proj. No.: 26817

STATE VT **COUNTY** Windham **QUAD:** Newfane (NH-VT)

OPERATOR K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	55080.643	Elevation	123.377
Easting	489115.308		

RECEIVER MODEL Trimble R8
RECEIVER S/N DC# RS2DC48130

	ObsA	Obs B
SESSIONS	DATE: 11/07/15	11/07/15
VRS	DAY OF YEAR 311	311

	Obs A	ObsB		U.T.C.
START TIME	13:25	13:34		
END TIME	13:33	13:42	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT		MEASURED		FIXED HGT.
----------------	--	-----------------	--	-------------------

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters	MEASURED	X	FIXED HGT
----------------	--------------	-----------------	---	------------------

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

B/Top

AERIAL TARGET		PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION





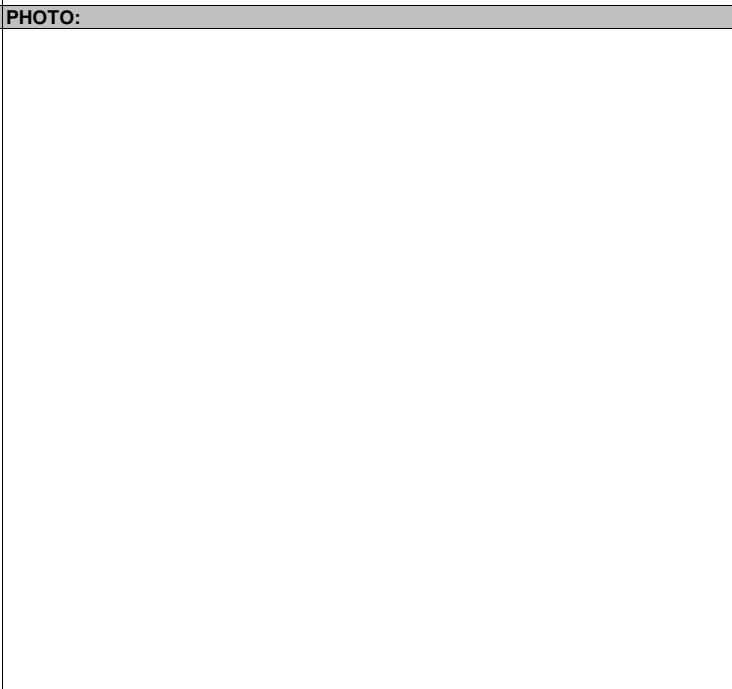
GPS CONTROL SURVEY
FIELD DATA SHEET

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA22
Proj. No.: 26817

523 Wellington Way, Suite 375
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**GPS CONTROL SURVEY
FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **UA23**
Proj. No.: **26817**

STATE: **VT** COUNTY: **Windham** QUAD: **Jamaica**

OPERATOR: **D. Griggs**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing: **56928.523** Elevation: **495.481**
Easting: **479429.654**

RECEIVER MODEL: **Trimble R8**
RECEIVER S/N: **RS0TC15523**

	ObsA	Obs B
SESSIONS	DATE: 11/07/15	11/07/15
VRS	DAY OF YEAR: 311	311

	Obs A	ObsB		U.T.C.
START TIME	10:37	10:49		
END TIME	10:47	10:58	X	LOCAL

ANTENNA HEIGHT (SLANT)
MTRS/FT: _____
MEASURED _____ FIXED HGT. _____

ANTENNA
RADIUS (M): _____
Antenna Serial #: **5153480435**
Antenna Type: **TRMR8 Model 3** Trimble Integrated Antenna

ANTENNA HEIGHT (ARP)
MTRS/FT: **2.000 Meters**
MEASURED _____ **X** _____ FIXED HGT _____

TOP OF MONUMENT IS: _____ FLUSH _____
METERS/FEET _____ ABOVE GROUND _____
METERS/FEET _____ BELOW GROUND _____

Gravel

AERIAL TARGET: **X** PHOTO I.D.
PUB. BENCH MARK: **X** NEW CONTROL
PUB. CONTROL: _____ BASE STATION

PHOTO: PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

PAGE:
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA23
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO: PHOTO:



PHOTO:

PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

PAGE:
1

523 Wellington Way, Suite 375
Lexington, KY 40503
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA24
Proj. No.: 26817

STATE VT

COUNTY Windham

QUAD: Walpole (NH-VT)

OPERATOR K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	65651.256	Elevation	112.967
Easting	503845.785		

RECEIVER MODEL Trimble R8

RECEIVER S/N DC# RS2DC48130

		ObsA	Obs B
SESSIONS	DATE:	11/07/15	11/07/15
VRS	DAY OF YEAR	311	311

	Obs A	ObsB		
START TIME	10:07	10:17		U.T.C.
END TIME	10:15	10:25	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT	
MEASURED	FIXED HGT.

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
MEASURED	X	FIXED HGT	

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

B/Top

AERIAL TARGET		PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA24
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO:



PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

PAGE:
1

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA25
Proj. No.: 26817

STATE: VT **COUNTY:** Windham **QUAD:** Jamaica

OPERATOR: D. Griggs

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	58737.525	Elevation	446.135
Easting	471252.530		

RECEIVER MODEL: Trimble R8
RECEIVER S/N: RS0TC15523

	ObsA	Obs B
SESSIONS	11/07/15	11/07/15
VRS	311	311

	Obs A	ObsB		U.T.C.
START TIME	12:52	13:03		
END TIME	13:00	13:11	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT		MEASURED		FIXED HGT.
----------------	--	-----------------	--	-------------------

ANTENNA

RADIUS (M)			
Antenna Serial #	5153480435		
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters	MEASURED	X	FIXED HGT
----------------	--------------	-----------------	---	------------------

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Pavement

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

PAGE:
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA25
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO: PHOTO:



PHOTO: PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA26
Proj. No.: 26817

STATE: VT **COUNTY:** Windham **QUAD:** Brattleboro (NH-VT)

OPERATOR: K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL: Trimble R8

Northing	28679.816	Elevation	200.143
Easting	486674.128		

RECEIVER S/N: DC# RS2DC48130

	ObsA	Obs B
SESSIONS	11/04/15	11/04/15
DATE:		
DAY OF YEAR	308	308
RTK		

	Obs A	ObsB		U.T.C.
START TIME	11:34	11:39		
END TIME	11:37	11:42	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT		MEASURED		FIXED HGT.
----------------	--	-----------------	--	-------------------

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
	MEASURED	X	FIXED HGT

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Urban Area

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:

PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

PAGE:
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523 Wellington Way, Suite 375
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA26
Proj. No.: 26817

PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

523 Wellington Way, Suite 375
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA27
Proj. No.: 26817

STATE VT

COUNTY Windham

QUAD: Brattleboro (NH-VT)

OPERATOR D. Griggs

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	35111.379	Elevation	417.618
Easting	480190.860		

RECEIVER MODEL Trimble R8
RECEIVER S/N DC# RS2DC48130

	ObsA	Obs B
SESSIONS	DATE: 11/08/15	11/08/15
VRS	DAY OF YEAR 312	312

	Obs A	ObsB		U.T.C.
START TIME	14:09	14:17		
END TIME	14:17	14:25	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT		MEASURED		FIXED HGT.
----------------	--	-----------------	--	-------------------

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters			
	MEASURED	X		FIXED HGT

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Pavement

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA27
Proj. No.: 26817

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Lexington, KY 40503
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PHOTO:



PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

PAGE:
1

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA28
Proj. No.: 26817

STATE VT

COUNTY Windham

QUAD: Newfane (NH-VT)

OPERATOR K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	46168.009	Elevation	89.425
Easting	490748.361		

RECEIVER MODEL Trimble R8

RECEIVER S/N DC# RS2DC48130

		ObsA	Obs B
SESSIONS	DATE:	11/06/15	11/06/15
VRS	DAY OF YEAR	310	310

	Obs A	ObsB		
START TIME	09:54	10:06		U.T.C.
END TIME	10:04	10:13	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT	
MEASURED	FIXED HGT.

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
MEASURED	X	FIXED HGT	

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

B/Top

AERIAL TARGET		PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:



PHOTO:





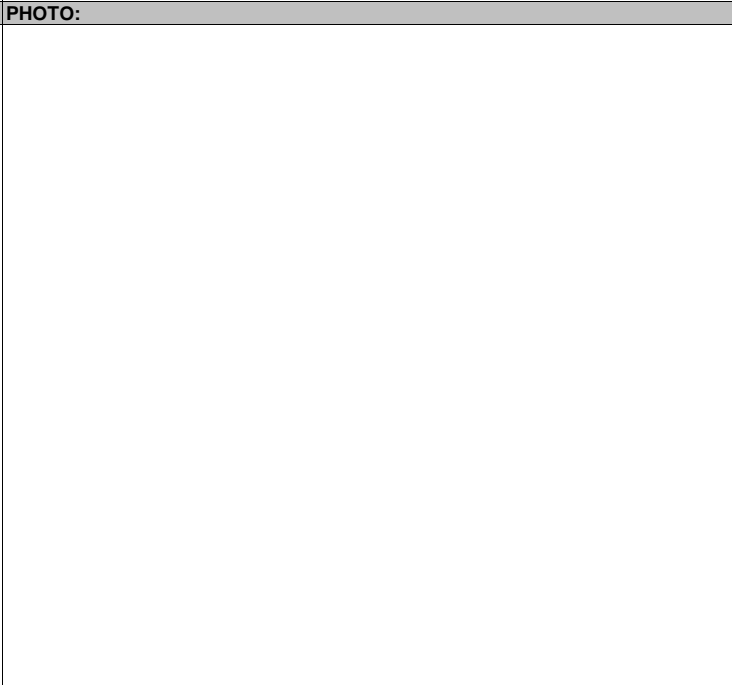
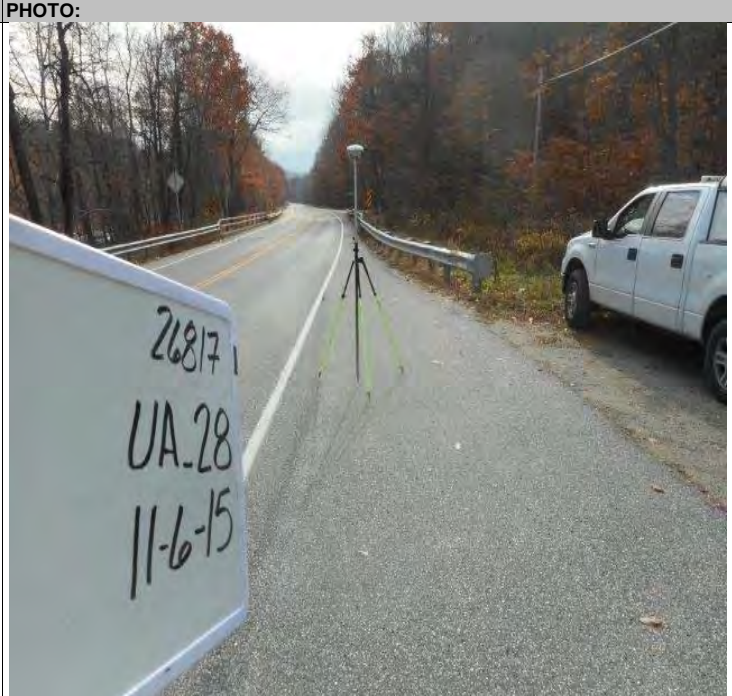
GPS CONTROL SURVEY
FIELD DATA SHEET

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2

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA28
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
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**GPS CONTROL SURVEY
FIELD DATA SHEET**

PAGE:
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523 Wellington Way, Suite 375
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA29
Proj. No.: 26817

STATE VT

COUNTY Windham

QUAD: Jacksonville

OPERATOR K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	33993.834	Elevation	531.336
Easting	476109.412		

RECEIVER MODEL Trimble R8

RECEIVER S/N DC# RS2DC48130

	ObsA	Obs B
SESSIONS	DATE: 11/05/15	11/05/15
VRS	DAY OF YEAR 309	309

	Obs A	ObsB		U.T.C.
START TIME	11:46	11:56		
END TIME	11:54	12:19	X	LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT			
	MEASURED		FIXED HGT.

ANTENNA			
RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000 Meters		
	MEASURED	X	FIXED HGT

TOP OF MONUMENT IS:		FLUSH
METERS/FEET		ABOVE GROUND
METERS/FEET		BELOW GROUND

B/Top

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:

PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

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2

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA29
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO: PHOTO:



PHOTO: PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

PAGE:
1

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA30
Proj. No.: 26817

STATE VT **COUNTY** Windham **QUAD:** Jacksonville

OPERATOR D. Griggs

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL Trimble R8

Northing 40611.550 **Elevation**

RECEIVER S/N RS0TC15523

Easting 477240.037 **566.065**

	ObsA	Obs B
SESSIONS	DATE: 11/05/15	11/05/15
VRS	DAY OF YEAR 309	309

	Obs A	ObsB		U.T.C.
START TIME	10:54	11:04		
END TIME	11:02	11:13	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT	
MEASURED	FIXED HGT.

ANTENNA

RADIUS (M)			
Antenna Serial #	5153480435		
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
MEASURED	X	FIXED HGT	

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Urban Area

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

PAGE:
2

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA30
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO: PHOTO:



PHOTO: PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **UA31**
Proj. No.: **26817**

STATE: **VT** COUNTY: **Windham** QUAD: **Bernardston (MA-VT)**

OPERATOR: **K.Roberts**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL: **Trimble R8**

Northing: **26322.706** Elevation: **206.998**
Easting: **490564.125**

RECEIVER S/N: **DC# RS2DC48130**

	ObsA	Obs B
SESSIONS	DATE: 11/04/15	11/04/15
RTK	DAY OF YEAR: 308	308

	Obs A	ObsB		U.T.C.
START TIME	12:34	12:43		
END TIME	12:37	12:46	X	LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT			
	MEASURED		FIXED HGT.

ANTENNA			
RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000 Meters		
	MEASURED	X	FIXED HGT

TOP OF MONUMENT IS:		FLUSH
METERS/FEET		ABOVE GROUND
METERS/FEET		BELOW GROUND

Urban Area

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO: PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

PAGE:
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA31
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO:



PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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1

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **UA32**
Proj. No.: **26817**

STATE: **VT** COUNTY: **Windham** QUAD: **Newfane (NH-VT)**

OPERATOR: **K.Roberts**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing: **52728.264** Elevation: **116.818**
Easting: **498871.838**

RECEIVER MODEL: **Trimble R8**

RECEIVER S/N: **DC# RS2DC48130**

	ObsA	Obs B
SESSIONS	DATE: 11/07/15	11/07/15
VRS	DAY OF YEAR: 311	311

	Obs A	ObsB		U.T.C.
START TIME	11:29	11:39		
END TIME	11:37	11:47	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT	
MEASURED	FIXED HGT.

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
MEASURED	X	FIXED HGT	

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

B/Top

AERIAL TARGET		PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION





**GPS CONTROL SURVEY
FIELD DATA SHEET**

PAGE:
2

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA32
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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1

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA33
Proj. No.: 26817

STATE VT **COUNTY** Windham **QUAD:** Newfane (NH-VT)

OPERATOR K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL Trimble R8

Northing	51136.178	Elevation	157.017
Easting	487661.785		

RECEIVER S/N DC# RS2DC48130

	ObsA	Obs B
SESSIONS	11/07/15	11/07/15
VRS	311	311

	Obs A	ObsB		U.T.C.
START TIME	13:58	14:08		
END TIME	14:06	14:16	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT		MEASURED		FIXED HGT.
----------------	--	-----------------	--	-------------------

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
	MEASURED	X	FIXED HGT

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

B/Top

AERIAL TARGET		PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:

PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

PAGE:
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523 Wellington Way, Suite 375
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859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA33
Proj. No.: 26817

PHOTO:



PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

PAGE:
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA34
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE VT **COUNTY** Windham **QUAD:** Jacksonville

OPERATOR K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	35678.166	Elevation	481.021
Easting	470866.903		

RECEIVER MODEL Trimble R8
RECEIVER S/N DC# RS2DC48130

	ObsA	Obs B
SESSIONS	DATE: 11/05/15	11/05/15
VRS	DAY OF YEAR 309	309

	Obs A	ObsB		
START TIME	13:15	13:29		U.T.C.
END TIME	13:27	13:37	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT		MEASURED		FIXED HGT.
----------------	--	-----------------	--	-------------------

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters			
	MEASURED	X	FIXED HGT	

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Concrete Pad

AERIAL TARGET		PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:





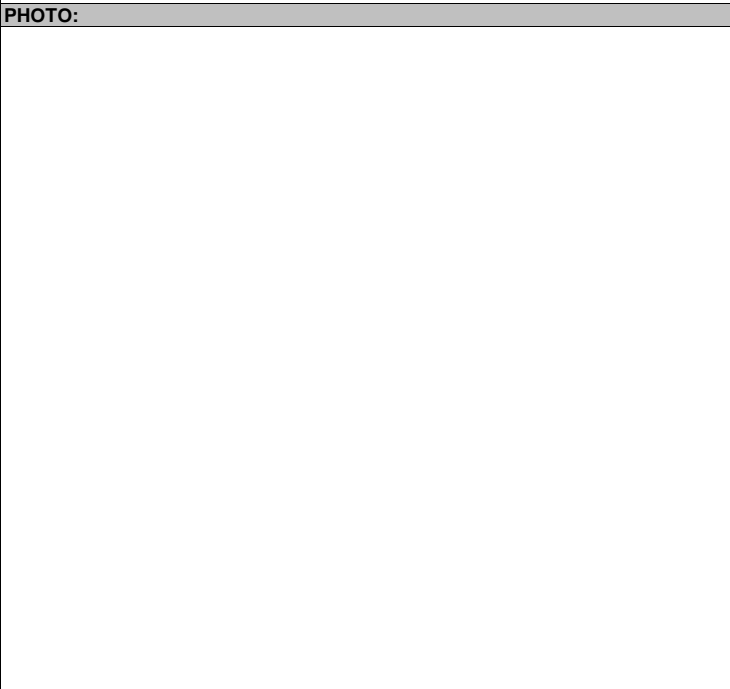
**GPS CONTROL SURVEY
FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA34
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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523 Wellington Way, Suite 375
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA35
Proj. No.: 26817

STATE VT **COUNTY** Windham **QUAD:** Brattleboro (NH-VT)

OPERATOR K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL Trimble R8
RECEIVER S/N DC# RS2DC48130

Northing	41397.574	Elevation	473.230
Easting	482428.072		

		ObsA	Obs B
SESSIONS	DATE:	11/05/15	11/05/15
VRS	DAY OF YEAR	309	309

	Obs A	ObsB		
START TIME	08:58	09:03		U.T.C.
END TIME	09:01	09:07	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT		MEASURED	FIXED HGT.
----------------	--	-----------------	-------------------

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
	MEASURED	X	FIXED HGT

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

B/Top

AERIAL TARGET		PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION





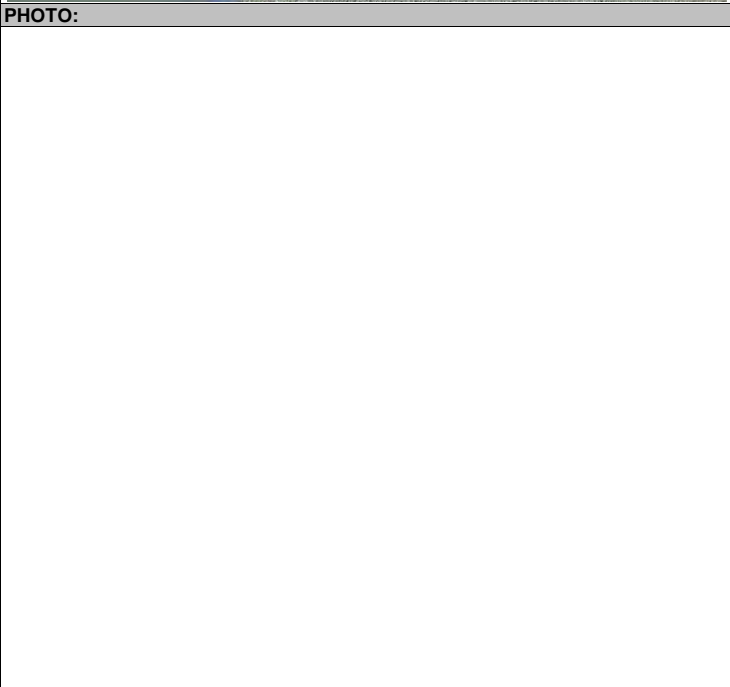
GPS CONTROL SURVEY
FIELD DATA SHEET

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2

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA35
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
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**GPS CONTROL SURVEY
FIELD DATA SHEET**

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523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA36
Proj. No.: 26817

STATE: VT **COUNTY:** Windham **QUAD:** Bellows Falls

OPERATOR: K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	76750.305	Elevation	133.680
Easting	500971.753		

RECEIVER MODEL: Trimble R8
RECEIVER S/N: DC# RS2DC48130

	ObsA	Obs B
SESSIONS	11/07/15	11/07/15
VRS	311	311
DATE:	11/07/15	11/07/15
DAY OF YEAR	311	311

	Obs A	ObsB		U.T.C.
START TIME	08:31	08:41		
END TIME	08:39	08:49	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT		MEASURED		FIXED HGT.
----------------	--	-----------------	--	-------------------

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters	MEASURED	X	FIXED HGT
----------------	--------------	-----------------	---	------------------

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

B/Top

AERIAL TARGET		PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:

PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: UA36
Proj. No.: 26817

PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **H1**
Proj. No.: **26817**

STATE: **VT** COUNTY: **Windham** QUAD: **Jamaica**

OPERATOR: **D. Griggs**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	64992.526	Elevation	N/A
Easting	478898.667		

RECEIVER MODEL: **Trimble R8**
RECEIVER S/N: **RS0TC15523**

	ObsA	Obs B
SESSIONS	11/07/15	11/07/15
VRS	311	311

	Obs A	ObsB		U.T.C.
START TIME	16:36	16:47		
END TIME	16:44	16:56	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT		MEASURED		FIXED HGT.
---------	--	----------	--	------------

ANTENNA

RADIUS (M)			
Antenna Serial #	5153480435		
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters	MEASURED	X	FIXED HGT
---------	---------------------	----------	----------	-----------

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Corner of Concrete

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO: PHOTO:





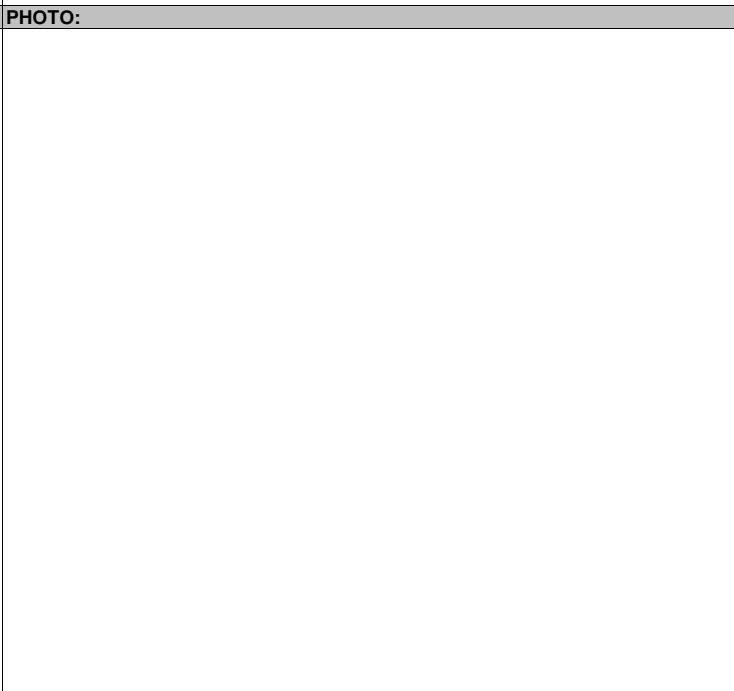
GPS CONTROL SURVEY
FIELD DATA SHEET

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: H1
Proj. No.: 26817

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**GPS CONTROL SURVEY
FIELD DATA SHEET**

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523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **H2**
Proj. No.: **26817**

STATE: **VT** COUNTY: **Windham** QUAD: **Jackjsonville**

OPERATOR: **D. Griggs**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL: **Trimble R8**

Northing: **39563.830**
Easting: **473563.666**
Elevation: **N/A**

RECEIVER S/N: **RS0TC15523**

		ObsA	Obs B
SESSIONS	DATE:	11/08/15	11/08/15
VRS	DAY OF YEAR	312	312

	Obs A	ObsB		
START TIME	13:38	13:49		U.T.C.
END TIME	13:46	13:57	X	LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT			
	MEASURED		FIXED HGT.

ANTENNA			
RADIUS (M)			
Antenna Serial #	5153480435		
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000 Meters		
	MEASURED	X	FIXED HGT

TOP OF MONUMENT IS:			FLUSH
METERS/FEET			ABOVE GROUND
METERS/FEET			BELOW GROUND

Corner of Pavement

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:

PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

PAGE:
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: H2
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO: PHOTO:



PHOTO:

PHOTO:





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 Lexington, KY 40503
 859-277-8700 voice 859-277-8901 fax

**GPS CONTROL SURVEY
 FIELD DATA SHEET**

PAGE:
1

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **H3**
 Proj. No.: **26817**

STATE **VT**

COUNTY **Windham**

QUAD: **Jacksonville**

OPERATOR **D. Griggs**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	40639.530	Elevation	N/A
Easting	470409.711		

RECEIVER MODEL **Trimble R8**
 RECEIVER S/N **RS0TC15523**

	ObsA	Obs B
SESSIONS	11/08/15	11/08/15
VRS	312	312

	Obs A	ObsB		U.T.C.
START TIME	14:11	14:21		
END TIME	14:19	14:29	X	LOCAL

ANTENNA HEIGHT (SLANT)
 MTRS/FT
 MEASURED FIXED HGT.

ANTENNA
 RADIUS (M)
 Antenna Serial # **5153480435**
 Antenna Type **TRMR8 Model 3 Trimble Integrated Antenna**

ANTENNA HEIGHT (ARP)
 MTRS/FT **2.000 Meters**
 MEASURED **X** FIXED HGT

TOP OF MONUMENT IS: FLUSH
 METERS/FEET ABOVE GROUND
 METERS/FEET BELOW GROUND

Corner of Sidewalk

AERIAL TARGET	<input checked="" type="checkbox"/>	PHOTO I.D.
PUB. BENCH MARK	<input checked="" type="checkbox"/>	NEW CONTROL
PUB. CONTROL	<input type="checkbox"/>	BASE STATION





GPS CONTROL SURVEY
FIELD DATA SHEET

PAGE:
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: H3
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO:



PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: H4
Proj. No.: 26817

STATE: VT **COUNTY:** Windham **QUAD:** Jacksonville

OPERATOR: D. Griggs

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	35680.072	Elevation	N/A
Easting	470866.933		

RECEIVER MODEL: Trimble R8

RECEIVER S/N: DC# RS2DC48130

	ObsA	Obs B
SESSIONS	DATE: 11/10/15	11/10/15
VRS	DAY OF YEAR 314	314

	Obs A	ObsB		U.T.C.
START TIME	11:47	11:57		
END TIME	11:55	12:05	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT	
MEASURED	FIXED HGT.

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters
MEASURED	X FIXED HGT

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Corner of Concrete

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

PAGE:
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: H4
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO:



PHOTO:



PHOTO:



PHOTO:





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**GPS CONTROL SURVEY
 FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **H5**
 Proj. No.: **26817**

STATE **VT**

COUNTY **Windham**

QUAD: **Bellows Falls (NH-VT)**

OPERATOR **K. Roberts**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	76425.368	Elevation	N/A
Easting	501521.532		

RECEIVER MODEL **Trimble R8**

RECEIVER S/N

	ObsA	Obs B
SESSIONS	11/11/15	11/11/15
VRS	315	315

	Obs A	ObsB		U.T.C.
START TIME	10:07	10:15		
END TIME	10:14	10:23	X	LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT		MEASURED	FIXED HGT.

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000 Meters	MEASURED	X FIXED HGT

ANTENNA			
RADIUS (M)			
Antenna Serial #			
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

TOP OF MONUMENT IS:		FLUSH
METERS/FEET		ABOVE GROUND
METERS/FEET		BELOW GROUND

Corner of Sidewalk

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:

PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

PAGE:
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: H5
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO:



PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: H6
Proj. No.: 26817

STATE VT

COUNTY Windham

QUAD: Newfane (NH-VT)

OPERATOR K. Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	53130.409	Elevation	N/A
Easting	498745.063		

RECEIVER MODEL Trimble R8

RECEIVER S/N

		ObsA	Obs B
SESSIONS	DATE:	11/11/15	11/11/15
VRS	DAY OF YEAR	315	315

	Obs A	ObsB		U.T.C.
START TIME	10:07	10:15		
END TIME	10:14	10:23	X	LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT		MEASURED	FIXED HGT.

ANTENNA			
RADIUS (M)			
Antenna Serial #			
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000 Meters	MEASURED	FIXED HGT
		X	

TOP OF MONUMENT IS:		FLUSH
METERS/FEET		ABOVE GROUND
METERS/FEET		BELOW GROUND

Corner of Sidewalk

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:

PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **H6**
Proj. No.: **26817**

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

PAGE:
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523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: H7
Proj. No.: 26817

STATE: VT **COUNTY:** Windham **QUAD:** Newfane (NH-VT)

OPERATOR: D. Griggs

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL: Trimble R8

Northing	46373.524	Elevation	N/A
Easting	497008.665		

RECEIVER S/N:

	ObsA	Obs B
SESSIONS	11/11/15	11/11/15
VRS	315	315

	Obs A	ObsB		U.T.C.
START TIME	12:31	12:39		
END TIME	12:39	12:48	X	LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT		MEASURED	FIXED HGT.

ANTENNA			
RADIUS (M)			
Antenna Serial #			
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000 Meters	MEASURED	X FIXED HGT

TOP OF MONUMENT IS:		FLUSH
METERS/FEET		ABOVE GROUND
METERS/FEET		BELOW GROUND

Corner of Sidewalk

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:



H-7
26817
11-11-15

H-7
26817
11-11-15



GPS CONTROL SURVEY
FIELD DATA SHEET

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: H7
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO: PHOTO:



PHOTO:

PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **H8**
Proj. No.: **26817**

STATE **VT**

COUNTY **Windham**

QUAD: **Newfane (NH-VT)**

OPERATOR **D. Griggs**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL **Trimble R8**

Northing	41902.577	Elevation	N/A
Easting	494987.730		

RECEIVER S/N

	ObsA	Obs B
SESSIONS	11/11/15	11/11/15
VRS	315	315

	Obs A	ObsB		U.T.C.
START TIME	13:37	13:25		
END TIME	13:25	13:33	X	LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT		MEASURED	FIXED HGT.

ANTENNA			
RADIUS (M)			
Antenna Serial #			
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000 Meters	MEASURED	X FIXED HGT

TOP OF MONUMENT IS:		FLUSH
METERS/FEET		ABOVE GROUND
METERS/FEET		BELOW GROUND

Corner of Sidewalk

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:

PHOTO:





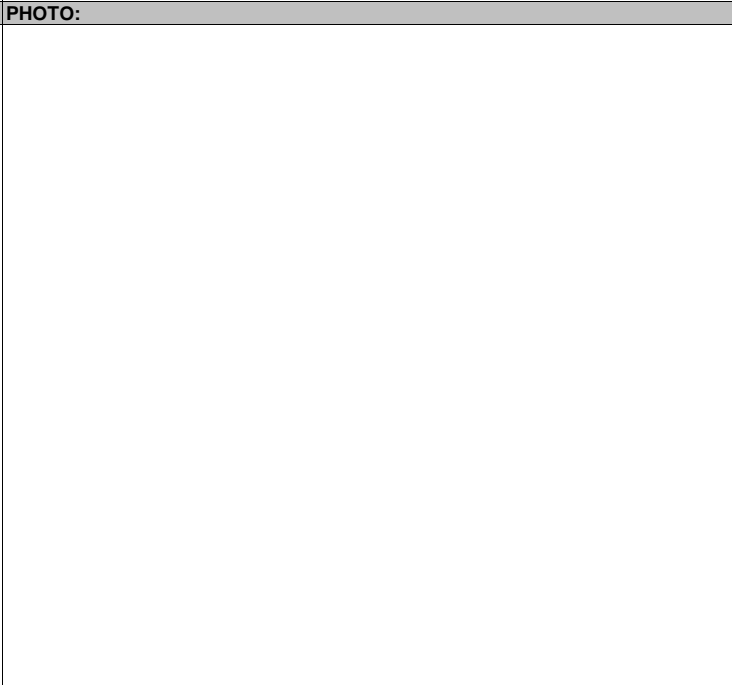
GPS CONTROL SURVEY
FIELD DATA SHEET

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: H8
Proj. No.: 26817

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**GPS CONTROL SURVEY
FIELD DATA SHEET**

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523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **H9**
Proj. No.: **26817**

STATE **VT**

COUNTY **Windham**

QUAD: **West Dover**

OPERATOR **K. Roberts**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL **Trimble R8**

Northing **49099.074**

Elevation **N/A**

RECEIVER S/N

Easting **475252.020**

	ObsA	Obs B
SESSIONS	DATE: 11/11/15	11/11/15
VRS	DAY OF YEAR 315	315

	Obs A	ObsB		U.T.C.
START TIME	14:17	14:27		
END TIME	14:25	14:35	X	LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT			
	MEASURED		FIXED HGT.

ANTENNA			
RADIUS (M)			
Antenna Serial #			
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000 Meters		
	MEASURED	X	FIXED HGT

TOP OF MONUMENT IS:		FLUSH
METERS/FEET		ABOVE GROUND
METERS/FEET		BELOW GROUND

Corner of Pavement

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:

PHOTO:





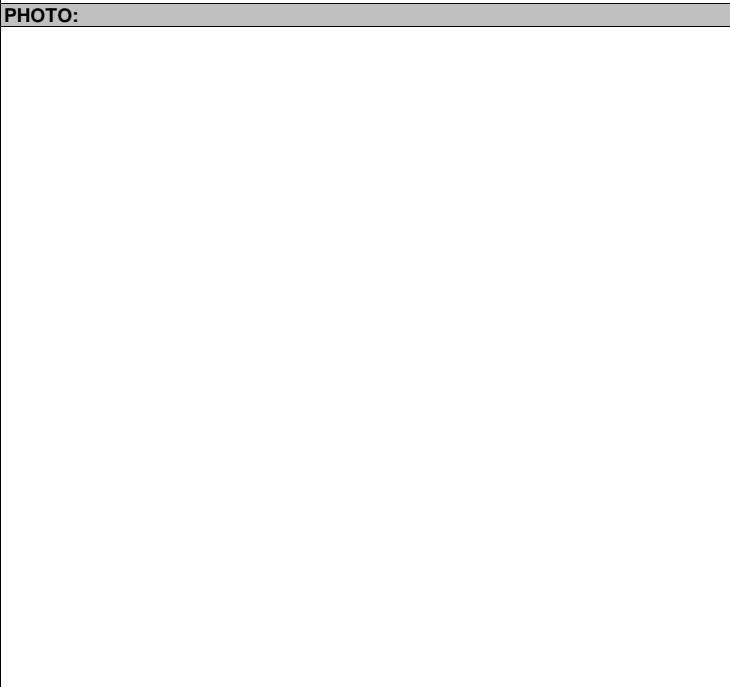
GPS CONTROL SURVEY
FIELD DATA SHEET

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: H9
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
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**GPS CONTROL SURVEY
 FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **H10**
 Proj. No.: **26817**

STATE: **VT** COUNTY: **Windham** QUAD: **West Dover**

OPERATOR: **K.Roberts**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing: **49106.847** Elevation: **N/A**
 Easting: **470881.559**

RECEIVER MODEL: **Trimble R8**
 RECEIVER S/N: **DC# RS2DC48130**

	ObsA	Obs B
SESSIONS	DATE: 11/11/15	11/11/15
VRS	DAY OF YEAR: 315	315

	Obs A	ObsB		U.T.C.
START TIME	14:28	14:37		
END TIME	14:37	14:45	X	LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT			
	MEASURED		FIXED HGT.

ANTENNA			
RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000 Meters		
	MEASURED	X	FIXED HGT

TOP OF MONUMENT IS:		FLUSH
METERS/FEET		ABOVE GROUND
METERS/FEET		BELOW GROUND

Corner Concrete Pad

AERIAL TARGET		PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO: PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: H10
Proj. No.: 26817

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Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO:



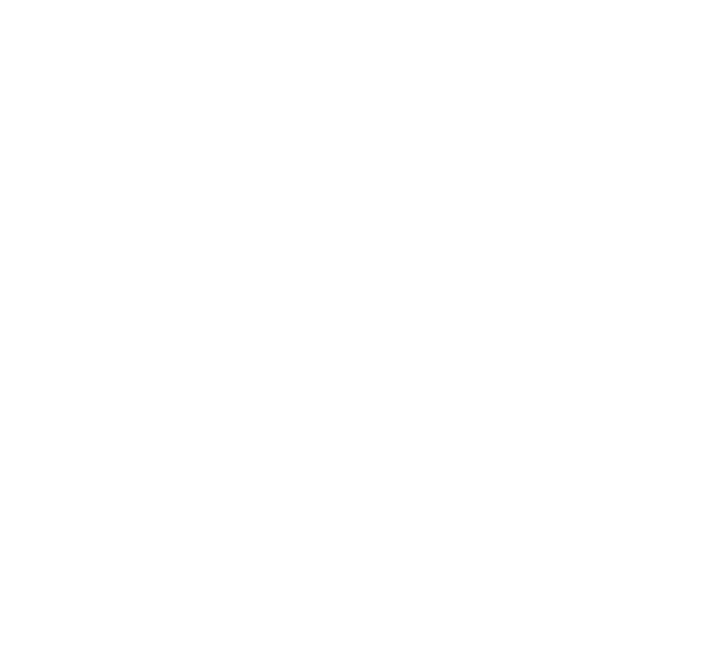
PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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523 Wellington Way, Suite 375
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859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: H11
Proj. No.: 26817

STATE: VT **COUNTY:** Windham **QUAD:** Brattleboro (NH-VT)

OPERATOR: K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL: Trimble R8

Northing	40673.821	Elevation	N/A
Easting	490525.695		

RECEIVER S/N: DC# RS2DC48130

	ObsA	Obs B
SESSIONS	11/06/15	11/06/15
VRS	310	310

	Obs A	ObsB		U.T.C.
START TIME	08:31	08:42		
END TIME	08:40	08:50	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT		MEASURED		FIXED HGT.
----------------	--	-----------------	--	-------------------

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
	MEASURED	X	FIXED HGT

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Corner Sidewalk

AERIAL TARGET		PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

PAGE:
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: H11
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
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PHOTO: PHOTO:



PHOTO: PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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1

523 Wellington Way, Suite 375
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: H12
Proj. No.: 26817

STATE VT

COUNTY Windham

QUAD: Winchester (NH-VT)

OPERATOR K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	28989.225	Elevation	N/A
Easting	500498.944		

RECEIVER MODEL Trimble R8

RECEIVER S/N DC# RS2DC48130

		ObsA	Obs B
SESSIONS	DATE:	11/08/15	11/08/15
VRS	DAY OF YEAR	312	312

	Obs A	ObsB		
START TIME	16:08	16:18		U.T.C.
END TIME	16:16	16:26	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT	
MEASURED	FIXED HGT.

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
MEASURED	X	FIXED HGT	

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Corner Concrete

AERIAL TARGET		PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO

PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: H12
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **H13**
Proj. No.: **26817**

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE: **VT** COUNTY: **Windham** QUAD: **Brattleboro (NH-VT)**

OPERATOR: **K.Roberts**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL: **Trimble R8**

Northing: **35196.684**
Easting: **493838.722**
Elevation: **N/A**

RECEIVER S/N: **DC# RS2DC48130**

	ObsA	Obs B
SESSIONS	DATE: 11/08/15	11/08/15
VRS	DAY OF YEAR: 312	312

	Obs A	ObsB		U.T.C.
START TIME	15:12	15:22		
END TIME	15:20	15:30	X	LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT		MEASURED	FIXED HGT.

ANTENNA			
RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000 Meters		
	MEASURED	X	FIXED HGT

TOP OF MONUMENT IS:		FLUSH
METERS/FEET		ABOVE GROUND
METERS/FEET		BELOW GROUND

Corner Sidewalk

AERIAL TARGET		PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

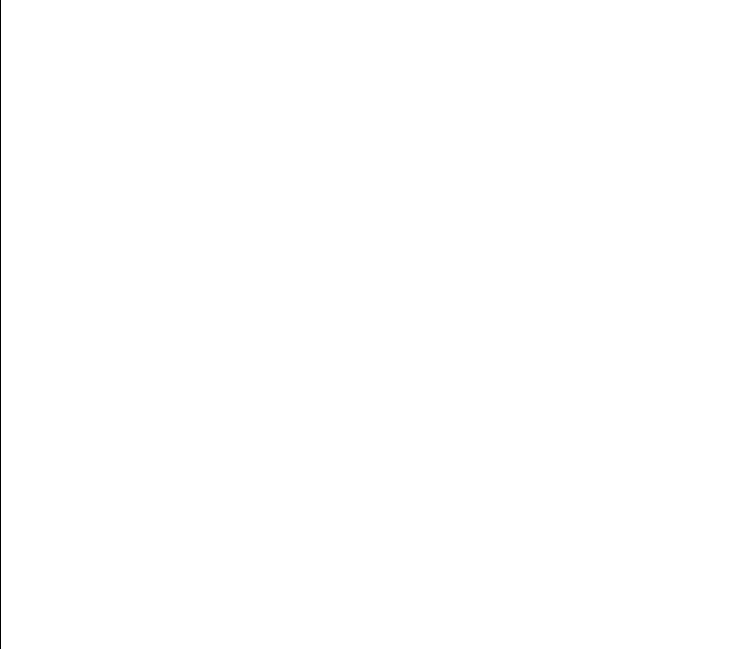
POINT ID: H13
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: H14
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE VT **COUNTY** Windham **QUAD:** Brattkeboro (NH-VT)

OPERATOR K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL Trimble R8

Northing	33196.559	Elevation	N/A
Easting	496944.252		

RECEIVER S/N DC# RS2DC48130

		ObsA	Obs B
SESSIONS	DATE:	11/08/15	11/08/15
VRS	DAY OF YEAR	312	312

	Obs A	ObsB		
START TIME	13:50	14:00		U.T.C.
END TIME	13:58	14:08	X	LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT			
	MEASURED		FIXED HGT.

ANTENNA			
RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000 Meters		
	MEASURED	X	FIXED HGT

TOP OF MONUMENT IS:		FLUSH
METERS/FEET		ABOVE GROUND
METERS/FEET		BELOW GROUND

Edge B/Top

AERIAL TARGET		PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO

PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **H14**
Proj. No.: **26817**

523 Wellington Way, Suite 375
Lexington, KY 40503
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PHOTO:



PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **H15**
Proj. No.: **26817**

STATE **VT**

COUNTY **Windham**

QUAD: **Brattleboro (NH-VT)**

OPERATOR **K.Roberts**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL **Trimble R8**

Northing	38143.304	Elevation	N/A
Easting	494540.243		

RECEIVER S/N **DC# RS2DC48130**

	ObsA	Obs B
SESSIONS	11/08/15	11/08/15
VRS	312	312

	Obs A	ObsB		U.T.C.
START TIME	13:00	13:10		
END TIME	13:08	13:18	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT	
MEASURED	FIXED HGT.

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
MEASURED	X	FIXED HGT	

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Corner Sidewalk

AERIAL TARGET		PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION





GPS CONTROL SURVEY
FIELD DATA SHEET

PAGE:
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: H15
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO:



PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

PAGE:
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523 Wellington Way, Suite 375
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: H16
Proj. No.: 26817

STATE VT

COUNTY Windham

QUAD: Newfane (NH-VT)

OPERATOR K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	53954.149	Elevation	N/A
Easting	497659.747		

RECEIVER MODEL Trimble R8

RECEIVER S/N DC# RS2DC48130

		ObsA	Obs B
SESSIONS	DATE:	11/08/15	11/08/15
VRS	DAY OF YEAR	312	312

	Obs A	ObsB		U.T.C.
START TIME	11:37	11:46		
END TIME	11:44	11:54	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT	
MEASURED	FIXED HGT.

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
MEASURED	X	FIXED HGT	

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Corner Sidewalk

AERIAL TARGET		PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO

PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: H16
Proj. No.: 26817

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Lexington, KY 40503
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PHOTO: PHOTO:



PHOTO: PHOTO:





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**GPS CONTROL SURVEY
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **H17**
 Proj. No.: **26817**

STATE: **VT** COUNTY: **Windham** QUAD: **Walpole (NH-VT)**

OPERATOR: **K.Roberts**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL: **Trimble R8**

Northing: **65408.328**
 Easting: **503592.734**
 Elevation: **N/A**

RECEIVER S/N: **DC# RS2DC48130**

	ObsA	Obs B
SESSIONS	DATE: 11/08/15	11/08/15
VRS	DAY OF YEAR: 312	312

	Obs A	ObsB		U.T.C.
START TIME	10:40	10:47		
END TIME	10:45	10:55	X	LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT		MEASURED	FIXED HGT.

ANTENNA			
RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000 Meters		
	MEASURED	X	FIXED HGT

TOP OF MONUMENT IS:		FLUSH
METERS/FEET		ABOVE GROUND
METERS/FEET		BELOW GROUND

Corner Sidewalk

AERIAL TARGET		PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO: PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: H17
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO: PHOTO:



PHOTO: PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: H18
Proj. No.: 26817

STATE VT **COUNTY** Windham **QUAD:** Saxtons River

OPERATOR K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL Trimble R8

Northing 70934.078 **Elevation**

RECEIVER S/N DC# RS2DC48130

Easting 499315.158 **N/A**

	ObsA	Obs B
SESSIONS	DATE: 11/08/15	11/08/15
VRS	DAY OF YEAR 312	312

	Obs A	ObsB		U.T.C.
START TIME	09:20	09:33		
END TIME	09:31	09:41	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT	
MEASURED	FIXED HGT.

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
MEASURED	X	FIXED HGT	

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Corner Sidewalk

AERIAL TARGET		PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO



PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

PAGE:
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: H18
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO:



PHOTO:



PHOTO:



PHOTO:





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 859-277-8700 voice 859-277-8901 fax

**GPS CONTROL SURVEY
 FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **H19**
 Proj. No.: **26817**

STATE **VT**

COUNTY **Windham**

QUAD: **Bellows Falls (NH-VT)**

OPERATOR **K.Roberts**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	70896.508	Elevation	N/A
Easting	503678.173		

RECEIVER MODEL **Trimble R8**

RECEIVER S/N **DC# RS2DC48130**

	ObsA	Obs B
SESSIONS	11/07/15	11/07/15
VRS	311	311

	Obs A	ObsB		U.T.C.
START TIME	16:26	16:36		
END TIME	16:34	16:44	X	LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT		MEASURED	FIXED HGT.

ANTENNA			
RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000 Meters	MEASURED	X FIXED HGT

TOP OF MONUMENT IS:		FLUSH
METERS/FEET		ABOVE GROUND
METERS/FEET		BELOW GROUND

Corner Sidewalk

AERIAL TARGET		PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION





GPS CONTROL SURVEY
FIELD DATA SHEET

PAGE:
2

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: H19
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO:



PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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1

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859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: H20
Proj. No.: 26817

STATE: VT **COUNTY:** Windham **QUAD:** Saxtons River

OPERATOR: K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	80981.178	Elevation	N/A
Easting	496321.329		

RECEIVER MODEL: Trimble R8

RECEIVER S/N: DC# RS2DC48130

		ObsA	Obs B
SESSIONS	DATE:	11/08/15	11/08/15
VRS	DAY OF YEAR	312	312

	Obs A	ObsB		
START TIME	08:18	08:28		U.T.C.
END TIME	08:26	08:31	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT		MEASURED		FIXED HGT.
----------------	--	-----------------	--	-------------------

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
	MEASURED	X	FIXED HGT

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Edge B/Top + Edge Road

AERIAL TARGET		PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO

PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: H20
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO:



PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: FO1
Proj. No.: 26817

STATE: VT **COUNTY:** Windham **QUAD:** Bernardston (MA-VT)

OPERATOR: K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL: Trimble R8
RECEIVER S/N: DC# RS2DC48130

Northing	27516.403	Elevation	164.076
Easting	494630.204		

SESSION: **DATE:** 11/10/15
DAY OF YEAR: 314

START TIME: Conventional **U.T.C.:**
END TIME: Conventional **X LOCAL**

ANTENNA HEIGHT (SLANT)
MTRS/FT: **MEASURED** **FIXED HGT.**

ANTENNA
RADIUS (M): **Antenna Serial #:** 5106461161
Antenna Type: R8 MODEL 3

ANTENNA HEIGHT (ARP)
MTRS/FT: 2.000 Meters
MEASURED **X** **FIXED HGT**

TOP OF MONUMENT IS: FLUSH
METERS/FEET: ABOVE GROUND
METERS/FEET: BELOW GROUND

Forest Area

AERIAL TARGET: **PHOTO I.D.:**
PUB. BENCH MARK: X **NEW CONTROL**
PUB. CONTROL: **BASE STATION**

Photo:

PHOTO:



523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO:



PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **FO2**
Proj. No.: **26817**

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE: **VT** COUNTY: **Windham** QUAD: **Mount Snow**

OPERATOR: **K.Roberts**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL: **Trimble R8**
RECEIVER S/N: **DC# RS2DC48130**

Northing	52403.183	Elevation	619.913
Easting	468173.279		

SESSION: _____ DATE: **11/10/15**
DAY OF YEAR: **314**

START TIME: **Conventional** U.T.C.
END TIME: **Conventional** LOCAL **X**

ANTENNA HEIGHT (SLANT)
MTRS/FT: _____
MEASURED _____ FIXED HGT. _____

ANTENNA
RADIUS (M): _____
Antenna Serial #: **5106461161**
Antenna Type: **R8 MODEL 3**

ANTENNA HEIGHT (ARP)
MTRS/FT: **2.000 Meters**
MEASURED _____ X _____ FIXED HGT _____

TOP OF MONUMENT IS: _____ FLUSH _____
METERS/FEET _____ ABOVE GROUND _____
METERS/FEET _____ BELOW GROUND _____

Forest Area

AERIAL TARGET	PHOTO I.D.
PUB. BENCH MARK	X NEW CONTROL
PUB. CONTROL	BASE STATION

Photo:

PHOTO:



523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO:



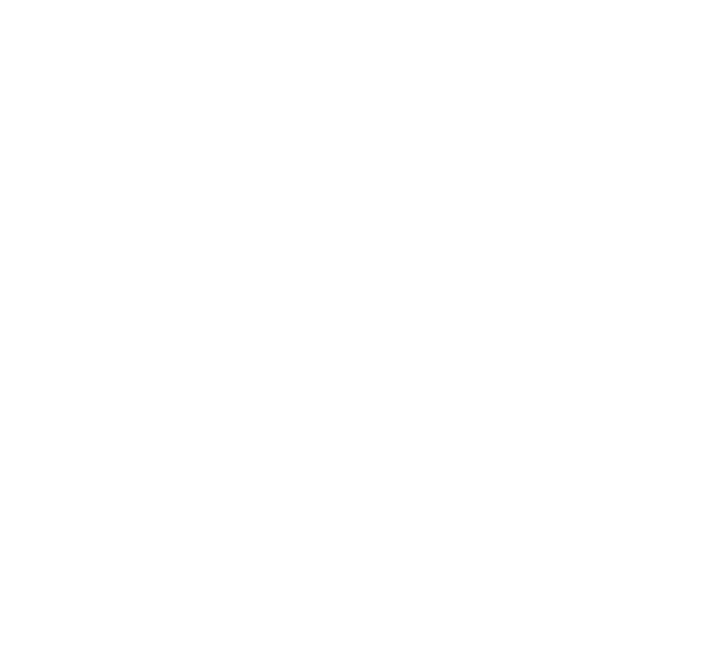
PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: FO3
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE VT **COUNTY** Windham **QUAD:** Stratton Mountain

OPERATOR K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL Trimble R8
RECEIVER S/N DC# RS2DC48130

Northing	57706.983	Elevation	673.187
Easting	460578.672		

SESSION **DATE:** 11/10/15
DAY OF YEAR 314

START TIME	Conventional		U.T.C.
END TIME	Conventional	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT		MEASURED		FIXED HGT.
----------------	--	-----------------	--	-------------------

ANTENNA

RADIUS (M)			
Antenna Serial #	5106461161		
Antenna Type	R8 MODEL 3		

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
	MEASURED	X	FIXED HGT

TOP OF MONUMENT IS: FLUSH

METERS/FEET		ABOVE GROUND
METERS/FEET		BELOW GROUND

Forest Area

AERIAL TARGET		PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

Photo: **PHOTO:**



523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO:



PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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1

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: FO4
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE VT **COUNTY** Windham **QUAD:** Brattleboro (NH-VT)

OPERATOR K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing 28806.103 **Elevation** 377.529
Easting 488202.657

RECEIVER MODEL Trimble R8
RECEIVER S/N DC# RS2DC48130

	ObsA	Obs B
SESSIONS	DATE: 11/04/15	11/04/15
RTK	DAY OF YEAR 308	308

	Obs A	ObsB		U.T.C.
START TIME	Conventional	Conventional		
END TIME	Conventional	Conventional	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT		MEASURED		FIXED HGT.
----------------	--	-----------------	--	-------------------

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
	MEASURED	X	FIXED HGT

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Forest Area

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: FO4
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO: PHOTO:



PHOTO: PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: FO5
Proj. No.: 26817

STATE: VT **COUNTY:** Windham **QUAD:** Northfield (MA-NH-VT)

OPERATOR: K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	25271.546	Elevation	96.969
Easting	502768.776		

RECEIVER MODEL: Trimble R8

RECEIVER S/N: DC# RS2DC48130

		ObsA	Obs B
SESSIONS	DATE:	11/03/15	11/03/15
RTK	DAY OF YEAR	307	307

	Obs A	ObsB		U.T.C.
START TIME	Conventional	Conventional		
END TIME	Conventional	Conventional	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT		MEASURED		FIXED HGT.
----------------	--	-----------------	--	-------------------

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
	MEASURED	X	FIXED HGT

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Forest Area

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: FO5
Proj. No.: 26817

523 Wellington Way, Suite 375
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PHOTO:



PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: FO6
Proj. No.: 26817

STATE: VT **COUNTY:** Windham **QUAD:** Bernardston (MA-VT)

OPERATOR: K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL: Trimble R8

Northing	27423.682	Elevation	112.416
Easting	499214.746		

RECEIVER S/N: DC# RS2DC48130

	ObsA	Obs B
SESSIONS	11/03/15	11/03/15
RTK	307	307

	Obs A	ObsB		U.T.C.
START TIME	Conventional	Conventional		
END TIME	Conventional	Conventional	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT		MEASURED		FIXED HGT.
----------------	--	-----------------	--	-------------------

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
	MEASURED	X	FIXED HGT

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Forest Area

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:





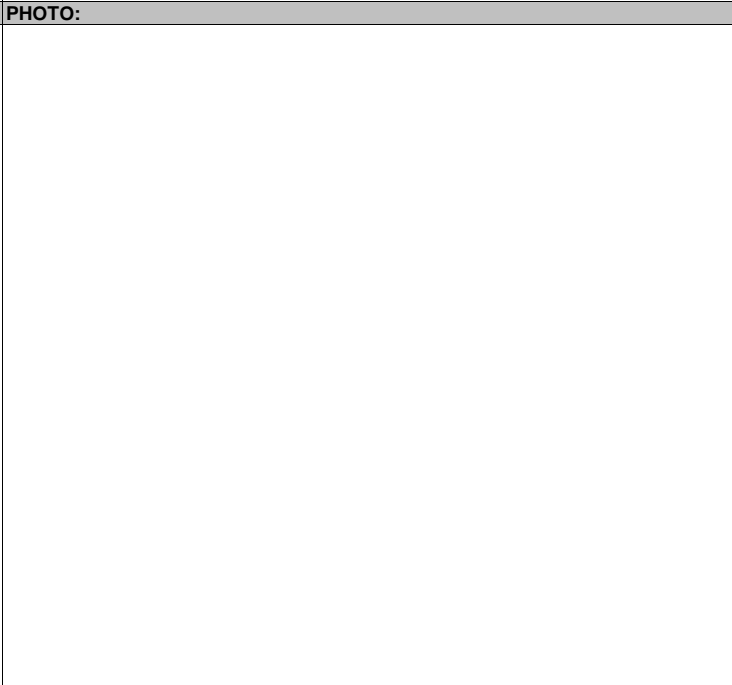
GPS CONTROL SURVEY
FIELD DATA SHEET

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2

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: FO6
Proj. No.: 26817

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**GPS CONTROL SURVEY
FIELD DATA SHEET**

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Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: FO7
Proj. No.: 26817

STATE: VT **COUNTY:** Windham **QUAD:** Brattleboro (NH-VT)

OPERATOR: K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	35911.260	Elevation	167.100
Easting	494360.230		

RECEIVER MODEL: Trimble R8

RECEIVER S/N: DC# RS2DC48130

	ObsA	Obs B
SESSIONS	DATE: 11/04/15	11/04/15
RTK	DAY OF YEAR: 308	308

	Obs A	ObsB		U.T.C.
START TIME	Conventional	Conventional		
END TIME	Conventional	Conventional	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT		MEASURED		FIXED HGT.
---------	--	----------	--	------------

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters	MEASURED	X	FIXED HGT
---------	--------------	----------	---	-----------

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Forest Area

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

PAGE:
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: FO7
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
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PHOTO:



PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

PAGE:
1

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: FO8
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE VT **COUNTY** Windham **QUAD:** Jacksonville

OPERATOR K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL Trimble R8
RECEIVER S/N DC# RS2DC48130

Northing	29805.134	Elevation	456.753
Easting	474540.674		

SESSION	DATE: 11/10/15	START TIME Conventional	U.T.C.
	DAY OF YEAR 314	END TIME Conventional	X LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT		MEASURED	FIXED HGT.
----------------	--	-----------------	-------------------

ANTENNA

RADIUS (M)			
Antenna Serial #	5106461161		
Antenna Type	R8 MODEL 3		

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
	MEASURED	X	FIXED HGT

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

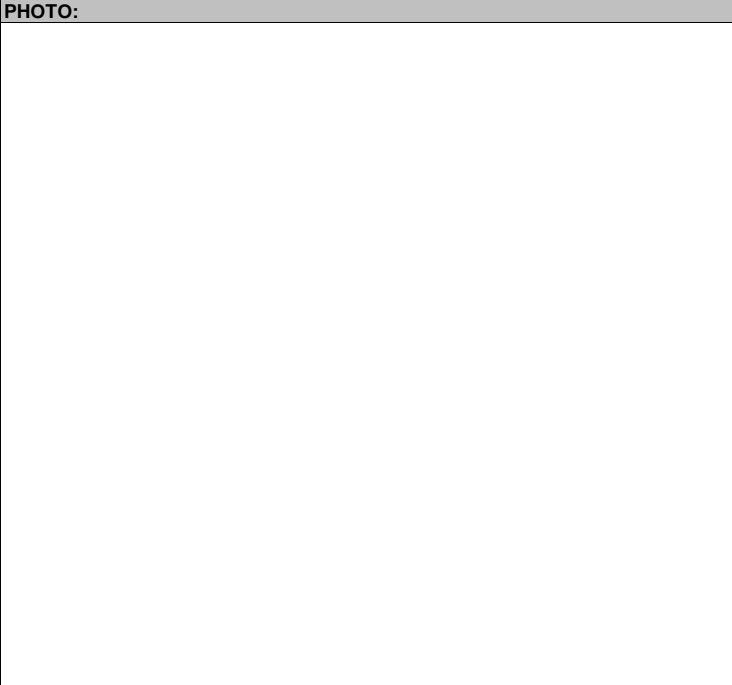
Forest Area

AERIAL TARGET		PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

Photo: **PHOTO:**



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**GPS CONTROL SURVEY
FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: FO9
Proj. No.: 26817

STATE VT **COUNTY** Bennington **QUAD:** Readsboro

OPERATOR K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL Trimble R8
RECEIVER S/N DC# RS2DC48130

Northing	41434.567	Elevation	460.517
Easting	467466.163		

SESSION **DATE:** 11/10/15
DAY OF YEAR 314

START TIME Conventional **U.T.C.**
END TIME Conventional **X LOCAL**

ANTENNA HEIGHT (SLANT)
MTRS/FT **MEASURED** **FIXED HGT.**

ANTENNA
RADIUS (M) **Antenna Serial #** 5106461161
Antenna Type R8 MODEL 3

ANTENNA HEIGHT (ARP)
MTRS/FT 2.000 Meters
MEASURED **X** **FIXED HGT**

TOP OF MONUMENT IS: FLUSH
METERS/FEET **ABOVE GROUND**
METERS/FEET **BELOW GROUND**

Forest Area

AERIAL TARGET	PHOTO I.D.
PUB. BENCH MARK	X NEW CONTROL
PUB. CONTROL	BASE STATION

Photo: **PHOTO:**



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Lexington, KY 40503
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PHOTO:



PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: FO10
Proj. No.: 26817

STATE VT

COUNTY Windham

QUAD: Walpole (NH-VT)

OPERATOR D. Griggs

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	65686.120	Elevation	111.278
Easting	503841.557		

RECEIVER MODEL Trimble R8
RECEIVER S/N

	ObsA	Obs B
SESSIONS	DATE: 11/11/15	11/11/15
VRS	DAY OF YEAR: 315	315

	Obs A	ObsB		U.T.C.
START TIME	Conventional	Conventional		
END TIME	Conventional	Conventional	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT		MEASURED		FIXED HGT.
----------------	--	-----------------	--	-------------------

ANTENNA

RADIUS (M)			
Antenna Serial #			
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters
MEASURED	X
FIXED HGT	

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Forest Area

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: FO10
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO: PHOTO:



PHOTO: PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **FO11**
Proj. No.: **26817**

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE: **VT** COUNTY: **Bennington** QUAD: **Mount Snow**

OPERATOR: **K.Roberts**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL: **Trimble R8**
RECEIVER S/N: **DC# RS2DC48130**

Northing	43646.043	Elevation	685.012
Easting	459320.745		

SESSION: _____ DATE: **11/10/15**
DAY OF YEAR: **314**

START TIME: **Conventional** U.T.C.
END TIME: **Conventional** LOCAL

ANTENNA HEIGHT (SLANT)
MTRS/FT: _____
MEASURED _____ FIXED HGT. _____

ANTENNA
RADIUS (M): _____
Antenna Serial #: **5106461161**
Antenna Type: **R8 MODEL 3**

ANTENNA HEIGHT (ARP)
MTRS/FT: **2.000 Meters**
MEASURED _____ X _____ FIXED HGT _____

TOP OF MONUMENT IS: _____ FLUSH _____
METERS/FEET _____ ABOVE GROUND _____
METERS/FEET _____ BELOW GROUND _____

Forest Area

AERIAL TARGET	PHOTO I.D.
PUB. BENCH MARK	X NEW CONTROL
PUB. CONTROL	BASE STATION

Photo: _____ PHOTO: _____



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859-277-8700 voice 859-277-8901 fax

PHOTO:



PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: FO12
Proj. No.: 26817

STATE: VT **COUNTY:** Windham **QUAD:** Newfane (NH-VT)

OPERATOR: D. Griggs

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL: Trimble R8

Northing	52721.674	Elevation	116.362
Easting	498857.450		

RECEIVER S/N:

	ObsA	Obs B
SESSIONS	DATE: 11/11/15	11/11/15
VRS	DAY OF YEAR: 315	315

	Obs A	ObsB		U.T.C.
START TIME	Conventional	Conventional		
END TIME	Conventional	Conventional	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT		MEASURED		FIXED HGT.
----------------	--	-----------------	--	-------------------

ANTENNA

RADIUS (M)			
Antenna Serial #			
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters
MEASURED	X
FIXED HGT	

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Forest Area

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:





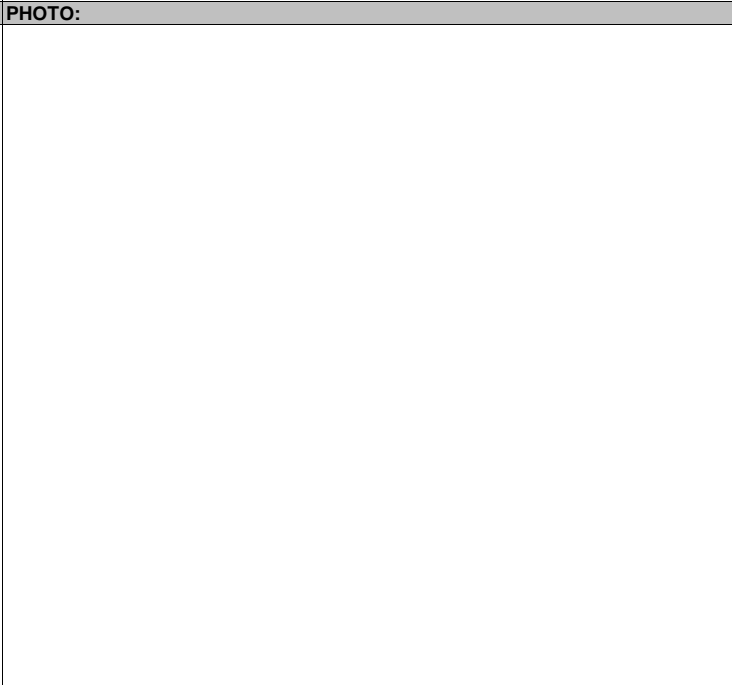
GPS CONTROL SURVEY
FIELD DATA SHEET

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2

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: FO12
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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1

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: FO13
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE VT **COUNTY** Windham **QUAD:** Jamaica

OPERATOR K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL Trimble R8
RECEIVER S/N DC# RS2DC48130

Northing	56933.710	Elevation	493.414
Easting	479511.091		

SESSION **DATE:** 11/10/15
DAY OF YEAR 314

START TIME Conventional **U.T.C.**
END TIME Conventional **X LOCAL**

ANTENNA HEIGHT (SLANT)
MTRS/FT **MEASURED** **FIXED HGT.**

ANTENNA
RADIUS (M) **Antenna Serial #** 5106461161
Antenna Type R8 MODEL 3

ANTENNA HEIGHT (ARP)
MTRS/FT 2.000 Meters
MEASURED **X** **FIXED HGT**

TOP OF MONUMENT IS: FLUSH
METERS/FEET ABOVE GROUND
METERS/FEET BELOW GROUND

Forest Area

AERIAL TARGET	PHOTO I.D.
PUB. BENCH MARK	X NEW CONTROL
PUB. CONTROL	BASE STATION

Photo:

PHOTO:



523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO: **PHOTO:**



PHOTO: **PHOTO:**





**GPS CONTROL SURVEY
FIELD DATA SHEET**

PAGE:
1

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: FO14
Proj. No.: 26817

STATE: VT **COUNTY:** Windham **QUAD:** Saxtons River

OPERATOR: D. Griggs

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	71777.333	Elevation	192.588
Easting	496199.358		

RECEIVER MODEL: Trimble R8
RECEIVER S/N:

	ObsA	Obs B
SESSIONS	DATE: 11/11/15	11/11/15
VRS	DAY OF YEAR: 315	315

	Obs A	ObsB		U.T.C.
START TIME	Conventional	Conventional		
END TIME	Conventional	Conventional	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT		MEASURED		FIXED HGT.
----------------	--	-----------------	--	-------------------

ANTENNA

RADIUS (M)			
Antenna Serial #			
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters	MEASURED	X	FIXED HGT
----------------	--------------	-----------------	---	------------------

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Forest Area

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

PAGE:
2

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: FO14
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO:



PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **FO15**
Proj. No.: **26817**

STATE: **VT** COUNTY: **Windham** QUAD: **Bellows Fall (NH-VT)**

OPERATOR: **D. Griggs**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL: **Trimble R8**

Northing	76789.735	Elevation	131.543
Easting	501007.420		

RECEIVER S/N: _____

	ObsA	Obs B
SESSIONS	11/11/15	11/11/15
VRS	315	315

	Obs A	ObsB		U.T.C.
START TIME	Conventional	Conventional		
END TIME	Conventional	Conventional	X	LOCAL

ANTENNA HEIGHT (SLANT)			
MTRS/FT		MEASURED	FIXED HGT.

ANTENNA			
RADIUS (M)			
Antenna Serial #			
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)			
MTRS/FT	2.000 Meters	MEASURED	X FIXED HGT

TOP OF MONUMENT IS:		FLUSH
METERS/FEET		ABOVE GROUND
METERS/FEET		BELOW GROUND

Forest Area

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO: PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

PAGE:
2

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: FO15
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO: PHOTO:



PHOTO: PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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1

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **FO16**
Proj. No.: **26817**

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE: **VT** COUNTY: **Windham** QUAD: **Newfane (NH-VT)**

OPERATOR: **K.Roberts**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL: **Trimble R8**
RECEIVER S/N: **DC# RS2DC48130**

Northing	51165.048	Elevation	154.626
Easting	487761.409		

SESSION: _____ DATE: **11/10/15**
DAY OF YEAR: **314**

START TIME: **Conventional** U.T.C.
END TIME: **Conventional** LOCAL

ANTENNA HEIGHT (SLANT)
MTRS/FT: _____
MEASURED _____ FIXED HGT. _____

ANTENNA
RADIUS (M): _____
Antenna Serial #: **5106461161**
Antenna Type: **R8 MODEL 3**

ANTENNA HEIGHT (ARP)
MTRS/FT: **2.000 Meters**
MEASURED _____ X _____ FIXED HGT _____

TOP OF MONUMENT IS: _____ FLUSH _____
METERS/FEET _____ ABOVE GROUND _____
METERS/FEET _____ BELOW GROUND _____

Forest Area

AERIAL TARGET	PHOTO I.D.
PUB. BENCH MARK	X NEW CONTROL
PUB. CONTROL	BASE STATION

Photo:

PHOTO:



523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: FO16
Proj. No.: 26817

PHOTO:



PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: FO17
Proj. No.: 26817

STATE VT

COUNTY Windham

QUAD: Brattleboro (NH-VT)

OPERATOR D. Griggs

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	35128.185	Elevation	413.485
Easting	480246.160		

RECEIVER MODEL Trimble R8

RECEIVER S/N DC# RS2DC48130

		ObsA	Obs B
SESSIONS	DATE:	11/08/15	11/08/15
VRS	DAY OF YEAR	312	312

	Obs A	ObsB		U.T.C.
START TIME				
END TIME			X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT		MEASURED		FIXED HGT.	
----------------	--	-----------------	--	-------------------	--

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
	MEASURED	X	FIXED HGT

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Forest Area

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

PAGE:
2

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: FO17
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
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PHOTO: PHOTO:



PHOTO: PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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1

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **FO18**
Proj. No.: **26817**

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE: **VT** COUNTY: **Windham** QUAD: **Jacksonville**

OPERATOR: **K.Roberts**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL: **Trimble R8**
RECEIVER S/N: **DC# RS2DC48130**

Northing: **40590.681** Elevation: **565.469**
Easting: **477180.101**

SESSION: DATE: **11/10/15**
DAY OF YEAR: **314**

START TIME: **Conventional** U.T.C.
END TIME: **Conventional** X LOCAL

ANTENNA HEIGHT (SLANT)
MTRS/FT: MEASURED FIXED HGT.

ANTENNA
RADIUS (M):
Antenna Serial #: **5106461161**
Antenna Type: **R8 MODEL 3**

ANTENNA HEIGHT (ARP)
MTRS/FT: **2.000 Meters**
MEASURED X FIXED HGT

TOP OF MONUMENT IS: FLUSH
METERS/FEET ABOVE GROUND
METERS/FEET BELOW GROUND

Forest Area

AERIAL TARGET
PUB. BENCH MARK X NEW CONTROL
PUB. CONTROL BASE STATION

Photo:

PHOTO:

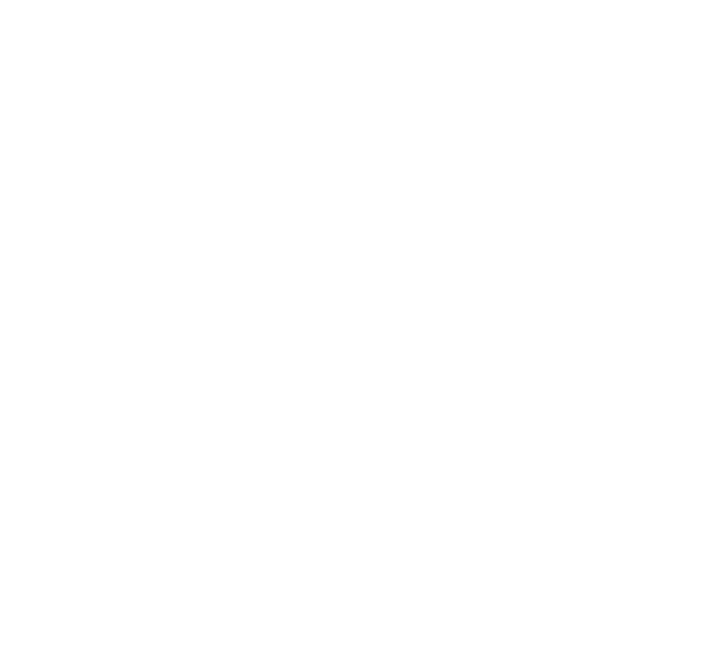


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PHOTO: PHOTO:



PHOTO: PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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1

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: FO19
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE VT **COUNTY** Windham **QUAD:** West Dover

OPERATOR K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL Trimble R8
RECEIVER S/N DC# RS2DC48130

Northing	48467.335	Elevation	589.556
Easting	475391.802		

SESSION **DATE:** 11/10/15
DAY OF YEAR 314

START TIME Conventional **U.T.C.**
END TIME Conventional **X LOCAL**

ANTENNA HEIGHT (SLANT)

MTRS/FT		MEASURED		FIXED HGT.
----------------	--	-----------------	--	-------------------

ANTENNA

RADIUS (M)			
Antenna Serial #	5106461161		
Antenna Type	R8 MODEL 3		

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
	MEASURED	X	FIXED HGT

TOP OF MONUMENT IS: FLUSH

METERS/FEET		ABOVE GROUND
METERS/FEET		BELOW GROUND

Forest Area

AERIAL TARGET		PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

Photo:

PHOTO:



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PHOTO:



PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **FO20**
Proj. No.: **26817**

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE: **VT** COUNTY: **Windham** QUAD: **Brattleboro (NH-VT)**

OPERATOR: **K.Roberts**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL: **Trimble R8**
RECEIVER S/N: **DC# RS2DC48130**

Northing	41389.798	Elevation	478.761
Easting	482321.459		

SESSION: _____ DATE: **11/10/15**
DAY OF YEAR: **314**

START TIME	Conventional		U.T.C.
END TIME	Conventional	X	LOCAL

ANTENNA HEIGHT (SLANT)
MTRS/FT: _____
MEASURED _____ FIXED HGT. _____

ANTENNA
RADIUS (M): _____
Antenna Serial #: **5106461161**
Antenna Type: **R8 MODEL 3**

ANTENNA HEIGHT (ARP)
MTRS/FT: **2.000 Meters**
MEASURED _____ **X** _____ FIXED HGT _____

TOP OF MONUMENT IS: _____ **FLUSH**
METERS/FEET: _____ **ABOVE GROUND**
METERS/FEET: _____ **BELOW GROUND**

Forest Area

AERIAL TARGET		PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

Photo:

PHOTO:



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Lexington, KY 40503
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PHOTO:



PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **FO21**
Proj. No.: **26817**

STATE: **VT** COUNTY: **Windham** QUAD: **Jaacksonville**

OPERATOR: **K.Roberts**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL: **Trimble R8**
RECEIVER S/N: **DC# RS2DC48130**

Northing	35836.943	Elevation	476.914
Easting	470801.977		

SESSION: _____ DATE: **11/10/15**
DAY OF YEAR: **314**

START TIME: **Conventional** U.T.C.
END TIME: **Conventional** LOCAL

ANTENNA HEIGHT (SLANT)
MTRS/FT: _____
MEASURED _____ FIXED HGT. _____

ANTENNA
RADIUS (M): _____
Antenna Serial #: **5106461161**
Antenna Type: **R8 MODEL 3**

ANTENNA HEIGHT (ARP)
MTRS/FT: **2.000 Meters**
MEASURED _____ X _____ FIXED HGT _____

TOP OF MONUMENT IS: _____ FLUSH _____
METERS/FEET _____ ABOVE GROUND _____
METERS/FEET _____ BELOW GROUND _____

Forest Area

AERIAL TARGET	PHOTO I.D.
PUB. BENCH MARK	X NEW CONTROL
PUB. CONTROL	BASE STATION

Photo:

PHOTO:



523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO:



PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

PAGE:
1

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: **FO22**
Proj. No.: **26817**

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE: **VT** COUNTY: **Windham** QUAD: **Jacksonville**

OPERATOR: **K.Roberts**

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL: **Trimble R8**
RECEIVER S/N: **DC# RS2DC48130**

Northing: **33997.816** Elevation: **534.884**
Easting: **476080.907**

SESSION: DATE: **11/10/15** START TIME: **Conventional** U.T.C.
DAY OF YEAR: **314** END TIME: **Conventional** X LOCAL

ANTENNA HEIGHT (SLANT)
MTRS/FT: MEASURED FIXED HGT.

ANTENNA
RADIUS (M):
Antenna Serial #: **5106461161**
Antenna Type: **R8 MODEL 3**

ANTENNA HEIGHT (ARP)
MTRS/FT: **2.000 Meters**
MEASURED X FIXED HGT

TOP OF MONUMENT IS: FLUSH
METERS/FEET ABOVE GROUND
METERS/FEET BELOW GROUND

Forest Area

AERIAL TARGET PHOTO I.D.
PUB. BENCH MARK X NEW CONTROL
PUB. CONTROL BASE STATION

Photo:

PHOTO:



523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO:



PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: FO23
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE VT **COUNTY** Windham **QUAD:** Newfane (NH-VT)

OPERATOR K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL Trimble R8
RECEIVER S/N DC# RS2DC48130

Northing	46168.146	Elevation	89.530
Easting	490725.537		

SESSION **DATE:** 11/10/15
DAY OF YEAR 314

START TIME Conventional **U.T.C.**
END TIME Conventional **X LOCAL**

ANTENNA HEIGHT (SLANT)
MTRS/FT **MEASURED** **FIXED HGT.**

ANTENNA

RADIUS (M)			
Antenna Serial #	5106461161		
Antenna Type	R8 MODEL 3		

ANTENNA HEIGHT (ARP)
MTRS/FT 2.000 Meters
MEASURED **X** **FIXED HGT**

TOP OF MONUMENT IS: FLUSH
METERS/FEET ABOVE GROUND
METERS/FEET BELOW GROUND

Forest Area

AERIAL TARGET		PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

Photo: **PHOTO:**



523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO: PHOTO:



PHOTO: PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

PAGE:
1

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: FO24
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

STATE VT **COUNTY** Windham **QUAD:** Brattleboro (NH-VT)

OPERATOR K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL Trimble R8
RECEIVER S/N DC# RS2DC48130

Northing	40518.965	Elevation	154.590
Easting	490742.792		

SESSION **DATE:** 11/10/15
DAY OF YEAR 314

START TIME Conventional **U.T.C.**
END TIME Conventional X **LOCAL**

ANTENNA HEIGHT (SLANT)
MTRS/FT **MEASURED** **FIXED HGT.**

ANTENNA

RADIUS (M)			
Antenna Serial #	5106461161		
Antenna Type	R8 MODEL 3		

ANTENNA HEIGHT (ARP)
MTRS/FT 2.000 Meters
MEASURED X **FIXED HGT**

TOP OF MONUMENT IS: FLUSH
METERS/FEET ABOVE GROUND
METERS/FEET BELOW GROUND

Forest Area

AERIAL TARGET		PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

Photo: **PHOTO:**



523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO:



PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

PAGE:
1

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: SW1
Proj. No.: 26817

STATE VT **COUNTY** Windham **QUAD:** Readsboro

OPERATOR D. Griggs

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	33069.455	Elevation	514.531
Easting	468919.181		

RECEIVER MODEL Trimble R8

RECEIVER S/N DC# RS2DC48130

	ObsA	Obs B
SESSIONS	11/08/15	11/08/15
VRS	312	312
DATE:		
DAY OF YEAR	312	312

	Obs A	ObsB		U.T.C.
START TIME	11:45	11:53		
END TIME	11:53	12:01	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT		MEASURED		FIXED HGT.
----------------	--	-----------------	--	-------------------

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters	MEASURED	X	FIXED HGT
----------------	--------------	-----------------	---	------------------

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Wet Lands

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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2

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: SW1
Proj. No.: 26817

PHOTO:



PHOTO:



PHOTO:



**GPS CONTROL SURVEY
FIELD DATA SHEET**

PAGE:
1

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: SW2
Proj. No.: 26817

STATE VT **COUNTY** Windham **QUAD:** Bernardston (MA-VT)

OPERATOR K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing 26710.782 **Elevation** 114.974
Easting 498936.011

RECEIVER MODEL Trimble R8

RECEIVER S/N DC# RS2DC48130

	ObsA	Obs B
SESSIONS	DATE: 11/03/15	11/03/15
RTK	DAY OF YEAR 307	307

	Obs A	ObsB		U.T.C.
START TIME	10:54	10:57		
END TIME	10:57	11:00	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT	
MEASURED	FIXED HGT.

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
MEASURED	X		FIXED HGT

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Wetland

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:





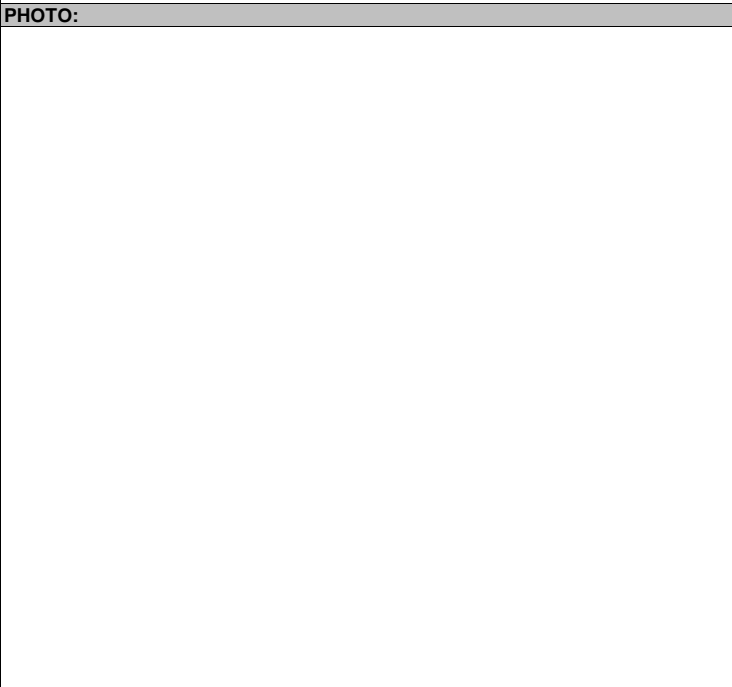
GPS CONTROL SURVEY
FIELD DATA SHEET

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2

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: SW2
Proj. No.: 26817

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**GPS CONTROL SURVEY
FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: SW3
Proj. No.: 26817

STATE VT **COUNTY** Windham **QUAD:** Saxtons River

OPERATOR K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL Trimble R8

Northing 77688.779 **Elevation** 154.369
Easting 499422.215

RECEIVER S/N DC# RS2DC48130

	ObsA	Obs B
SESSIONS	DATE: 11/07/15	11/07/15
VRS	DAY OF YEAR 311	311

	Obs A	ObsB		U.T.C.
START TIME	08:56	09:07		
END TIME	09:05	09:11	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT	
MEASURED	FIXED HGT.

ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
MEASURED	X	FIXED HGT	

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Swamp Area

AERIAL TARGET		PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:





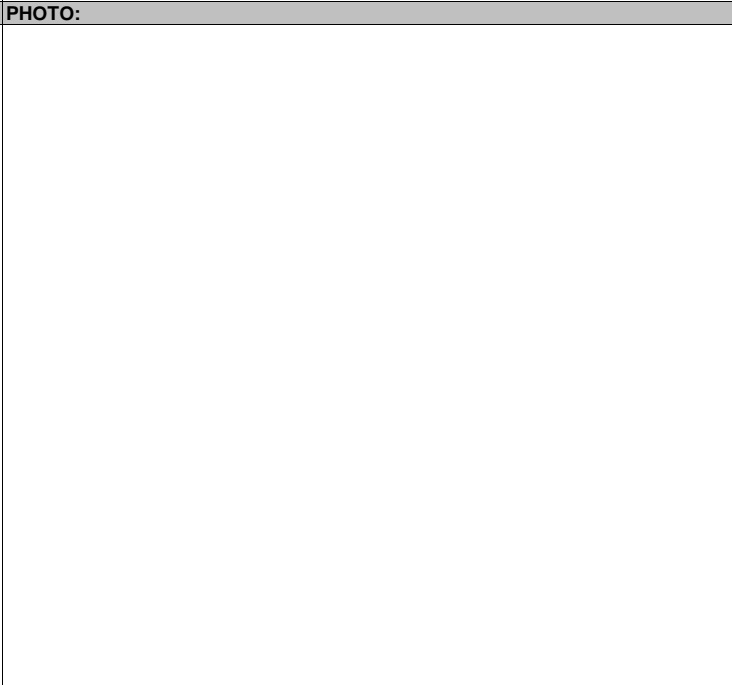
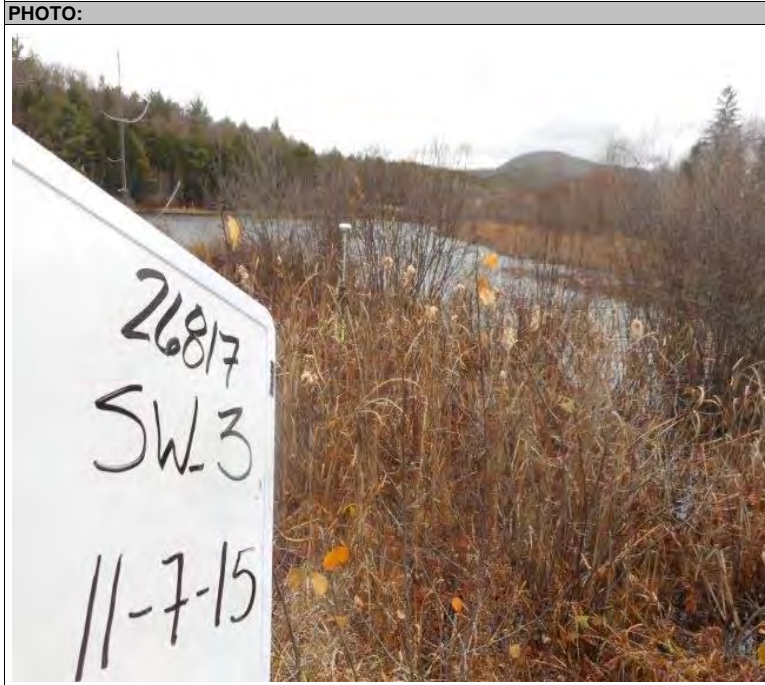
GPS CONTROL SURVEY
FIELD DATA SHEET

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2

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: SW3
Proj. No.: 26817

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**GPS CONTROL SURVEY
FIELD DATA SHEET**

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859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: TW1
Proj. No.: 26817

STATE: VT **COUNTY:** Windham **QUAD:** Bellows Falls (NH-VT)

OPERATOR: K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing	76769.642	Elevation	132.165
Easting	500962.891		

RECEIVER MODEL: Trimble R8
RECEIVER S/N: DC# RS2DC48130

	ObsA	Obs B
SESSIONS	DATE: 11/07/15	11/07/15
VRS	DAY OF YEAR: 311	311

	Obs A	ObsB		U.T.C.
START TIME	08:10	08:20		
END TIME	08:18	08:28	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT		MEASURED		FIXED HGT.
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ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
	MEASURED	X	FIXED HGT

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Tall Weeds

AERIAL TARGET		PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: TW1
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO:



PHOTO:



PHOTO:



PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

PAGE:
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523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: TW2
Proj. No.: 26817

STATE: VT **COUNTY:** Windham **QUAD:** Brattleboro (NH-VT)

OPERATOR: K.Roberts

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

RECEIVER MODEL: Trimble R8

Northing	31648.450	Elevation	238.875
Easting	489317.619		

RECEIVER S/N: DC# RS2DC48130

	ObsA	Obs B
SESSIONS	11/04/15	11/04/15
DATE:		
DAY OF YEAR	308	308
RTK		

	Obs A	ObsB		U.T.C.
START TIME	11:06	11:11		
END TIME	11:09	11:14	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT		MEASURED		FIXED HGT.
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ANTENNA

RADIUS (M)			
Antenna Serial #	5407484087		
Antenna Type	TRMR8 Model 4	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
	MEASURED	X	FIXED HGT

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Tall Weeds

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: TW2
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO: PHOTO:



PHOTO: PHOTO:





**GPS CONTROL SURVEY
FIELD DATA SHEET**

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523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

JOB REFERENCE
Windham Co VT (USGS)

POINT ID: TW3
Proj. No.: 26817

STATE: VT **COUNTY:** Windham **QUAD:** Jacksonville

OPERATOR: D. Griggs

NAD83(2007) VT (4400) NAVD88 AVERAGED POSITION Meters

Northing: 40604.370 **Elevation:** 565.360
Easting: 477194.880

RECEIVER MODEL: Trimble R8
RECEIVER S/N: RS0TC15523

	ObsA	Obs B
SESSIONS	DATE: 11/05/15	11/05/15
VRS	DAY OF YEAR: 309	309

	Obs A	ObsB		U.T.C.
START TIME	11:31	11:42		
END TIME	11:39	11:50	X	LOCAL

ANTENNA HEIGHT (SLANT)

MTRS/FT	MEASURED	FIXED HGT.
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ANTENNA

RADIUS (M)			
Antenna Serial #	5153480435		
Antenna Type	TRMR8 Model 3	Trimble Integrated Antenna	

ANTENNA HEIGHT (ARP)

MTRS/FT	2.000 Meters		
	MEASURED	X	FIXED HGT

TOP OF MONUMENT IS:

	FLUSH
METERS/FEET	ABOVE GROUND
METERS/FEET	BELOW GROUND

Tall Weeds

AERIAL TARGET	X	PHOTO I.D.
PUB. BENCH MARK	X	NEW CONTROL
PUB. CONTROL		BASE STATION

PHOTO:





GPS CONTROL SURVEY
FIELD DATA SHEET

PAGE:
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JOB REFERENCE
Windham Co VT (USGS)

POINT ID: TW3
Proj. No.: 26817

523 Wellington Way, Suite 375
Lexington, KY 40503
859-277-8700 voice 859-277-8901 fax

PHOTO: PHOTO:



PHOTO: PHOTO:

