

# Appendix A:

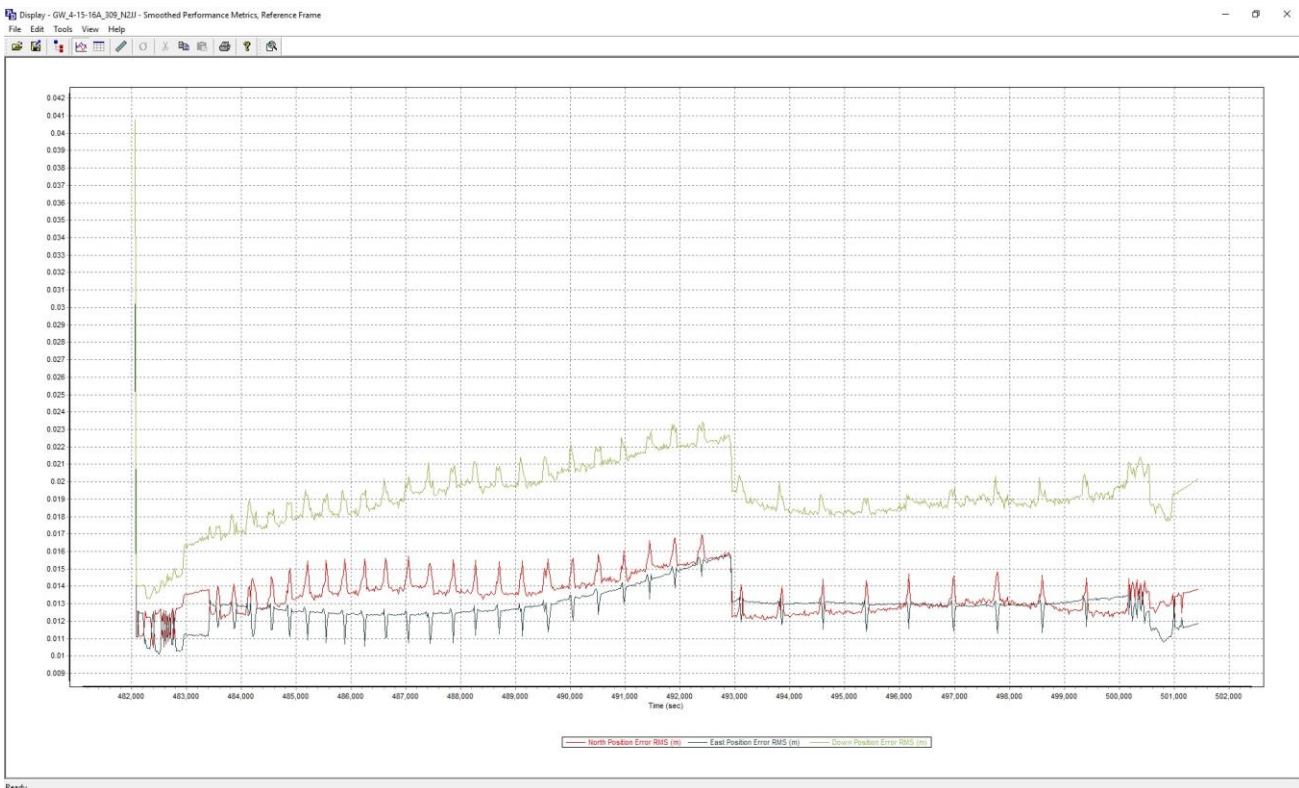
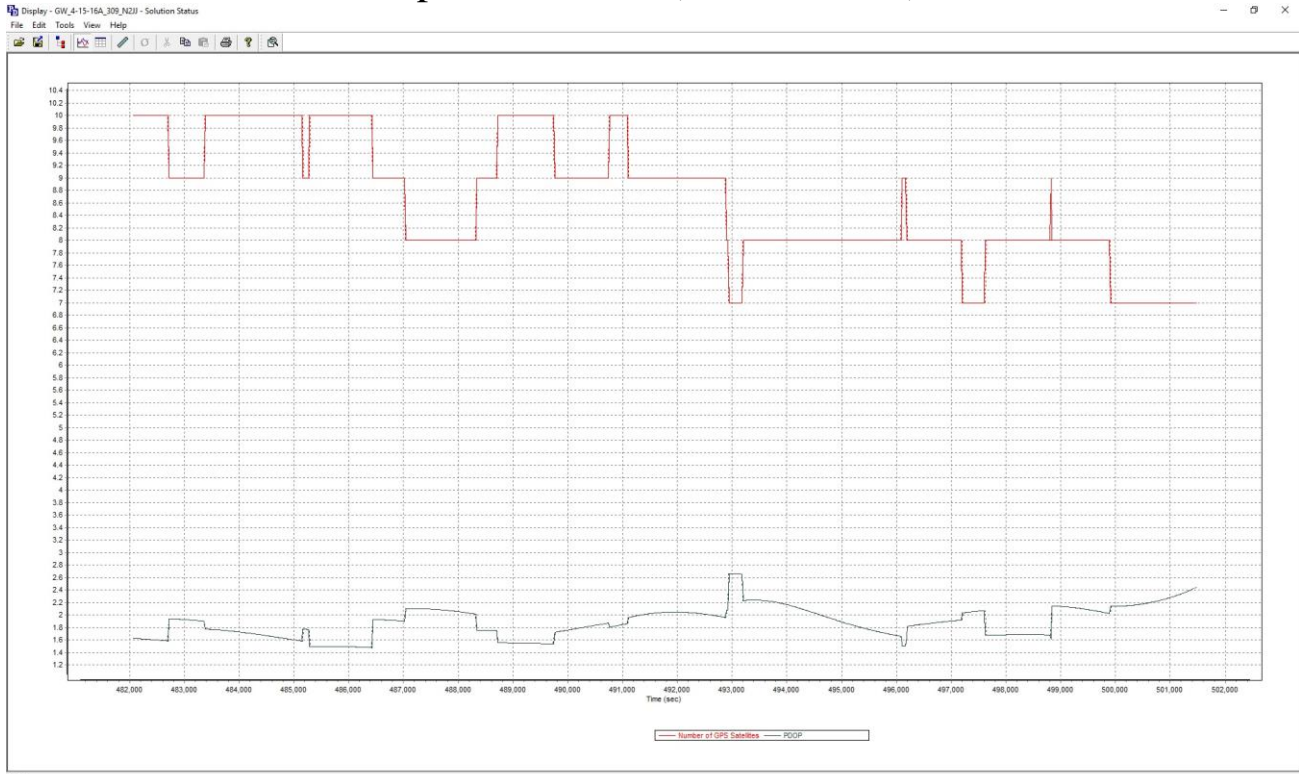
## GPS/IMU Statistics, Flight Logs, and Base Station Logs

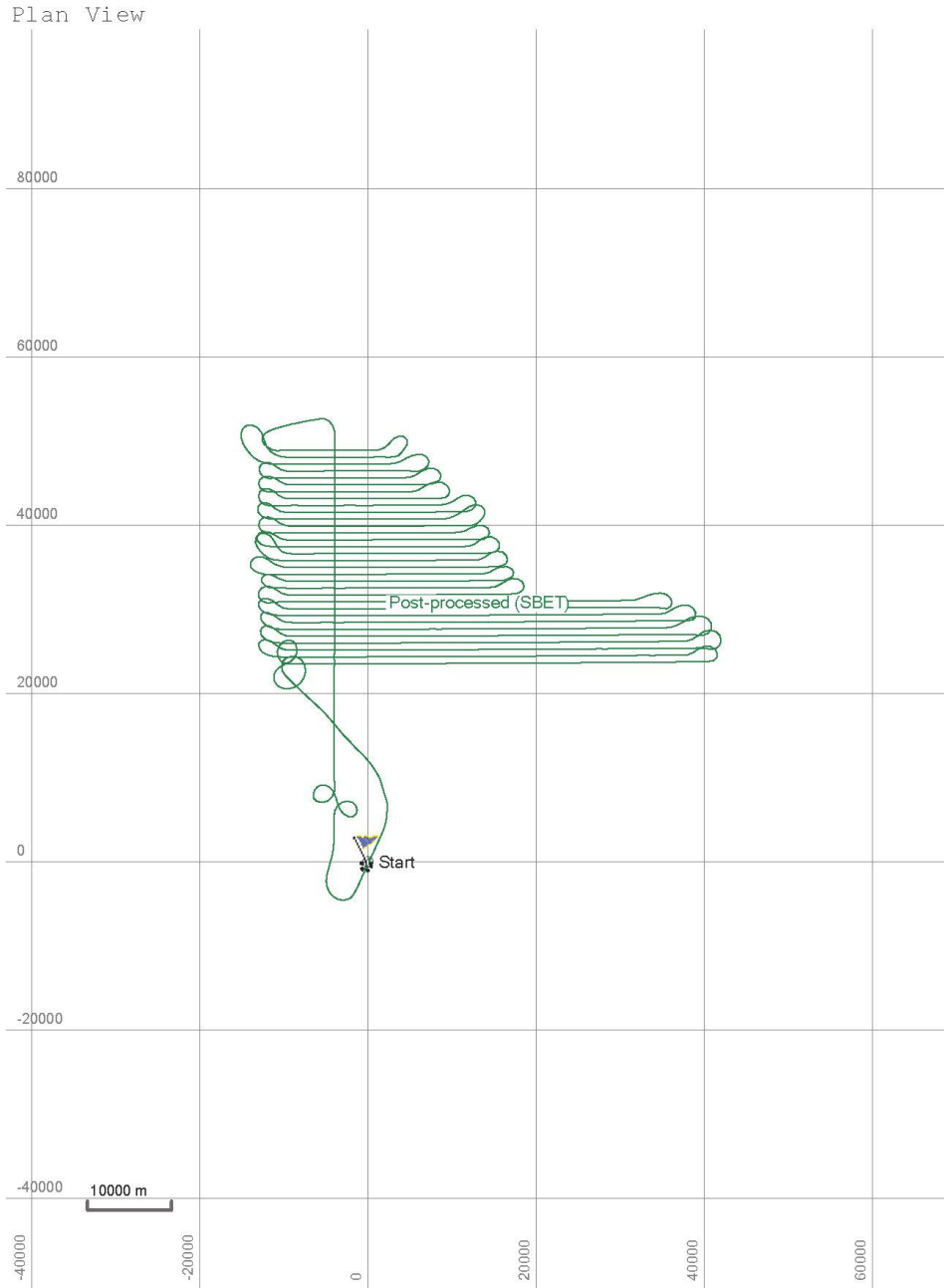
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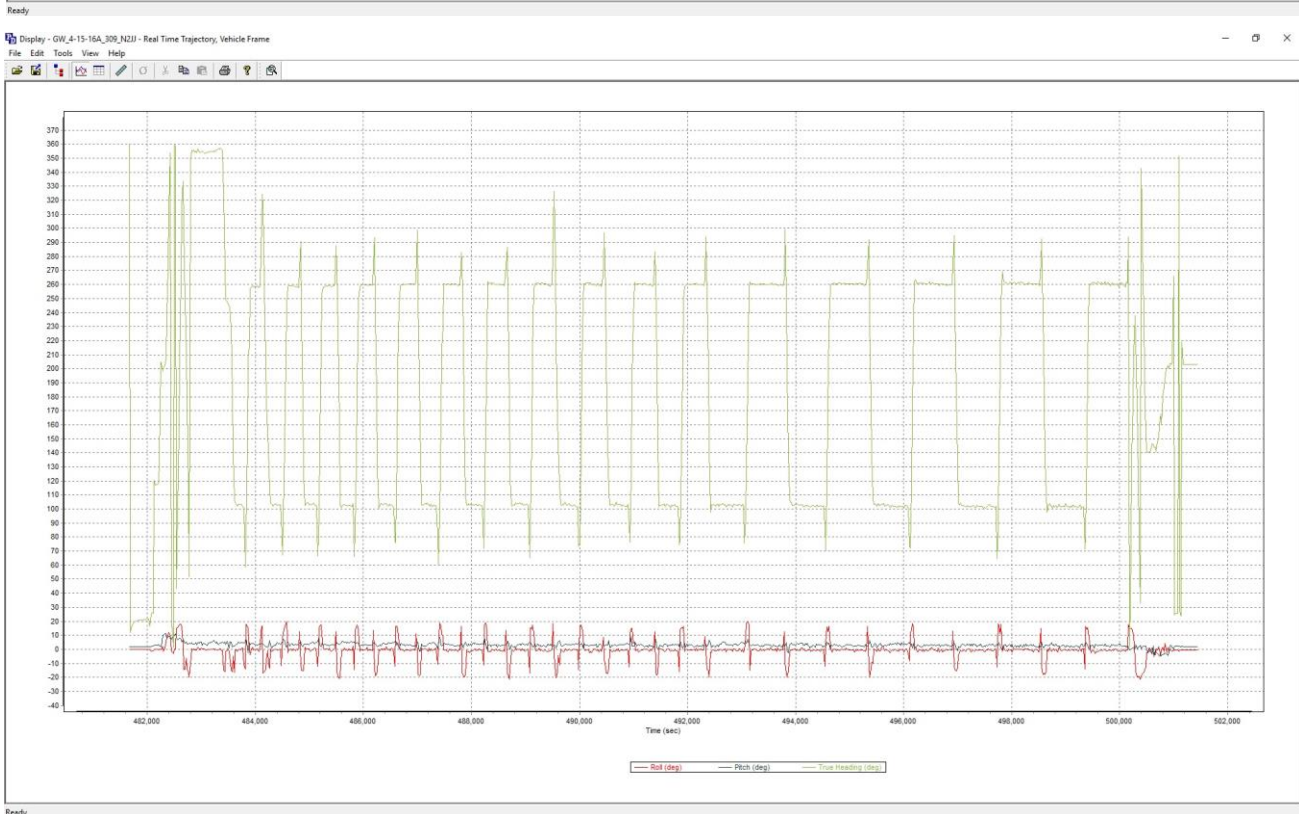
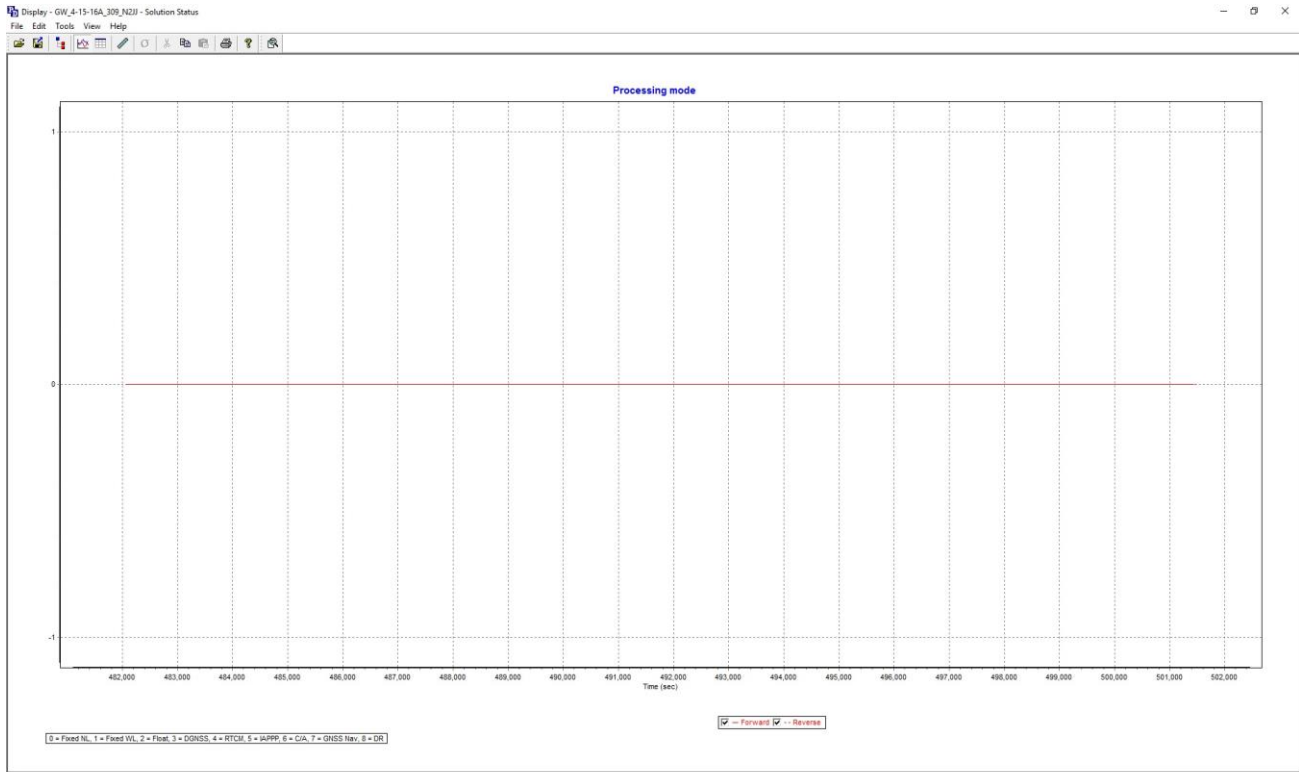
There were two total lifts. Graph reports generated from processing software, flight logs, and base station logs are found on the following pages.

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Apr 15, 2016-B (N2JJ, SN309) .....	8

### Apr 15, 2016-A (N2JJ, SN309)







Coordinate Manager

Station Information

Station ID: 2821

Coordinates

Latitude: N 46 1 28.26036000

Longitude: W 91 26 48.97963000

Altitude: 339.2620 m

Decimal Degrees

Ground Reference Point (GRP) coordinates Apply Changes

Antenna Frame

Height: 1.524 m

Method: Bottom of notch

Manufacturer: Trimble

Type: Zephyr Geodetic

Offset from Measured Point to APC: -0.001 m

Station Database

Station ID: 2821 Station Fullname: 2821

Primary Service ID:  Edit

Coordinate Accuracy: UNKNOWN\_ACC

Secondary Service ID:  Edit Add Delete Update

Station ID	Station Full...	Frame	Epoch	Ellipsoid	Latitude	Longitude	Altitude	Coord Acc

**Airborne LIDAR Data Collection Log Sheet :: Quantum Spatial, Inc**  
(email log daily to flight\_log\_distribution\_list@quantumspatial.com)

Date: 4-15-2016 Pg. 1 of 1

Project: Bayfield County, WI UIC: A B C D E

Proj #: 27131 Flight Mgmt File: 20160415.A-WROC-SEN309-n2]-Bayfield

Begin Hobbs: 3654.5 Total: 5.2 Pilot: Brinkhoff Co-Pilot: Tech: Petersen

End Hobbs: 3659.7 Arr Apt: [Z] Air Time (Local): [Z] Tot Time Aloft:

Dep Time (Ld): [Z] Flyovers: Y / N If Y, times: Sta 1 Sta 2

Sta 1: (RMO317) Flyovers: Y / N If Y, times: Sta 1 Sta 2

Sta 2: 5.05t

Gd Temp beg: °C End: °C OAT beg: °C End: °C

Line #	Type	Hdg	Start (UTC)	End (UTC)	Gd Spd	FOOT/Sec	GPS Altitude	Cmb	Turb (0...3)	Altimeter begin:			end:			Sample Number	
										Alt AGL	Alt MSL	Pulse Rate	Avg Ft Spd	Max Gapped	Power		Avg Ft Spd
45	N	1407	1417	140	10	2088	6										
44	W	1420	1423	122	10	2023	-15										
43	W	1425	1428	128	10	2062	10										
42	W	1431	1434	136	10	2051	-14										
41	W	1436	1440	130	10	2077	10										
40	W	1442	1445	132	10	2040	-14										
39	W	1447	1451	136	11	2044	10										
38	E	1453	1456	130	11	2011	-12										
37	W	1458	1502	134	11	2070	10										
36	E	1505	1509	126	11	2027	-13										
35	W	1511	1516	140	10	2082	10										
34	E	1518	1522	130	10	2034	-13										
33	W	1525	1529	138	9	2057	9										
32	E	1531	1536	136	9	2029	-14										
31	W	1538	1543	138	9	2085	9										
30	E	1545	1550	126	9	2043	-13										
29	W	1552	1558	136	9	2054	10										
28	E	1600	1606	130	10	2043	-10										

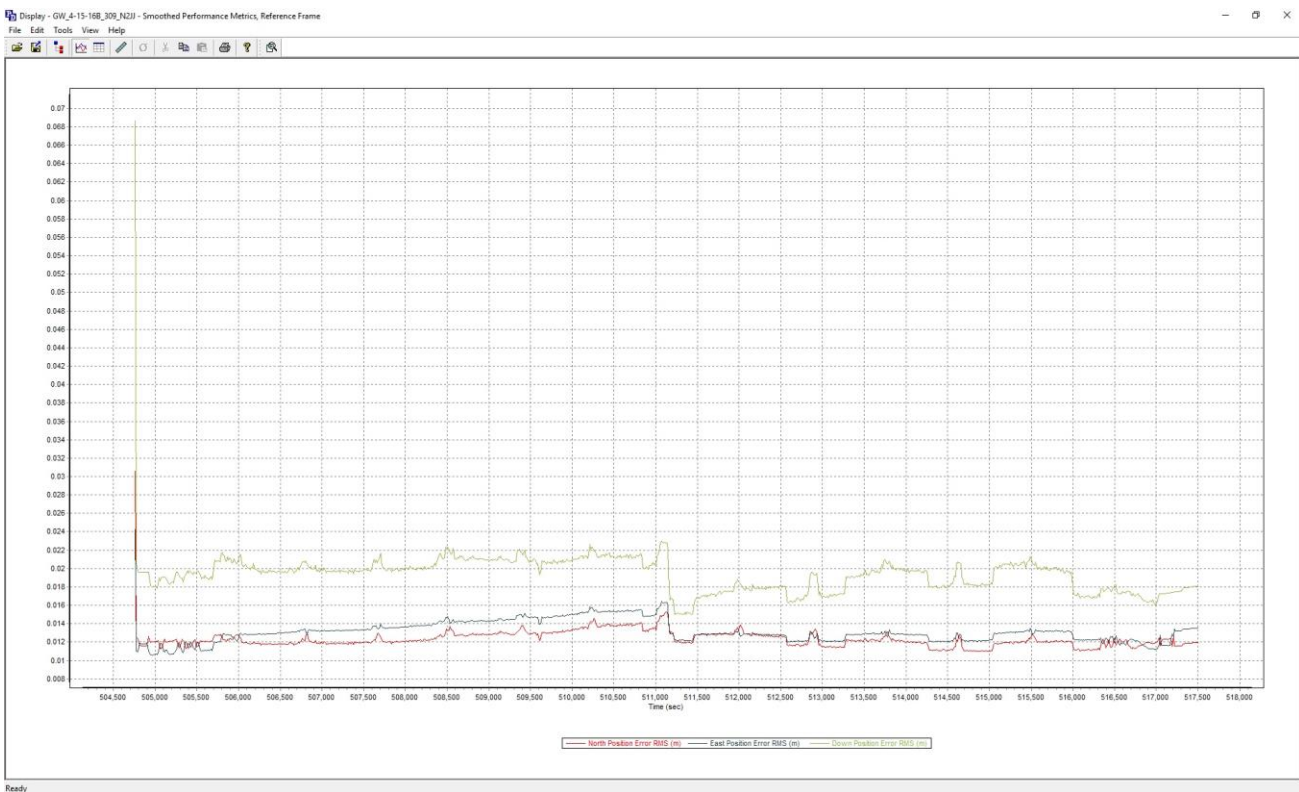
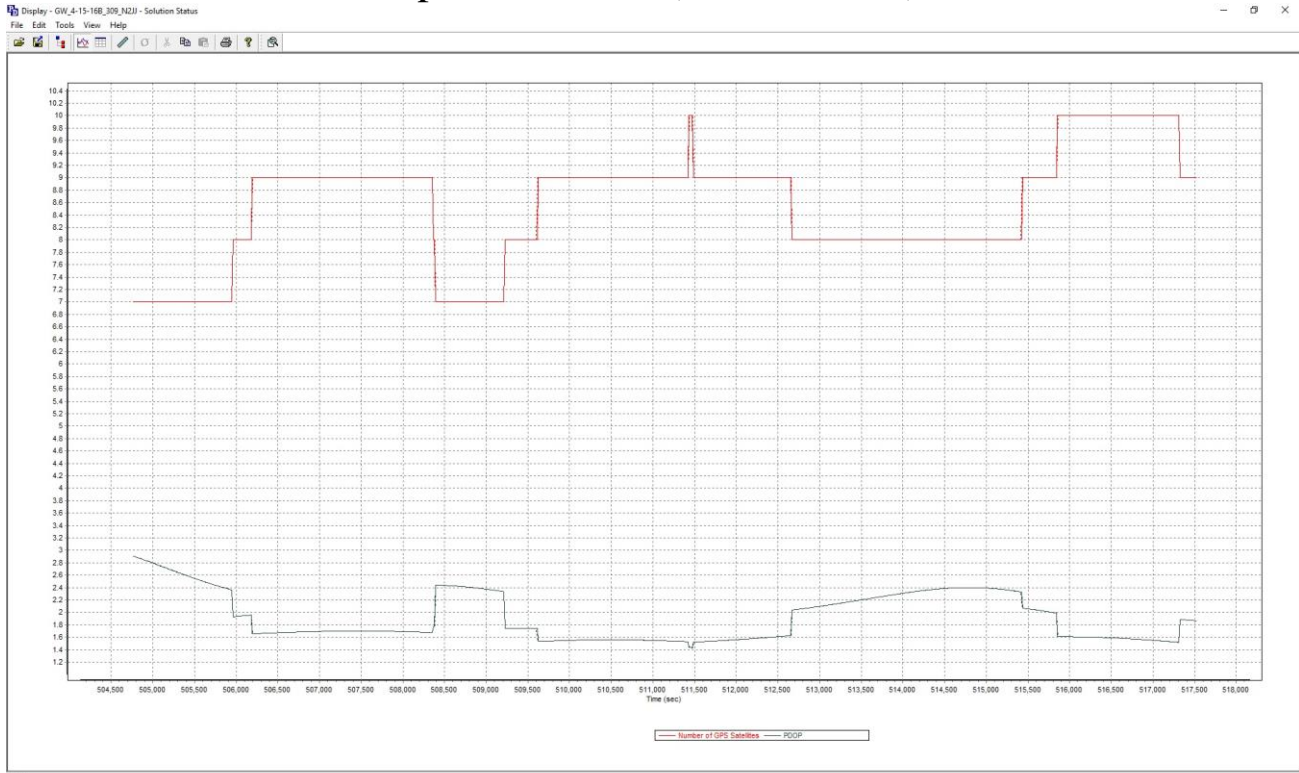
FLIGHT LINE NOTES - visibility, clouds, smoke, partial, etc.

<b>Total Proj Lines:</b>	<b>Lines Flowin:</b>	<b>Lines Remain:</b>	<b>Online Time:</b>	<b>Mobile Time:</b>	<b>Notes:</b>
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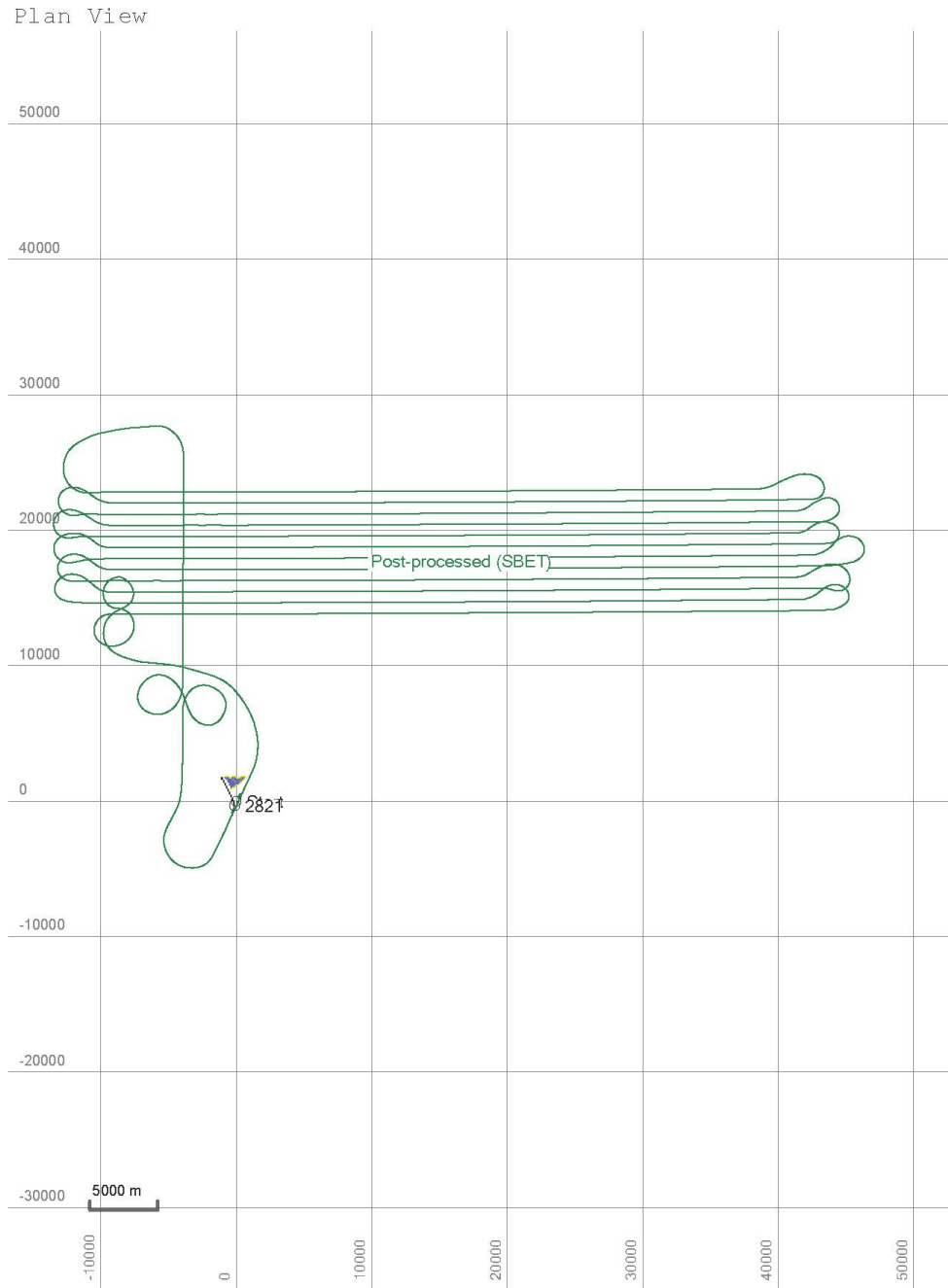
Page 1 of 2

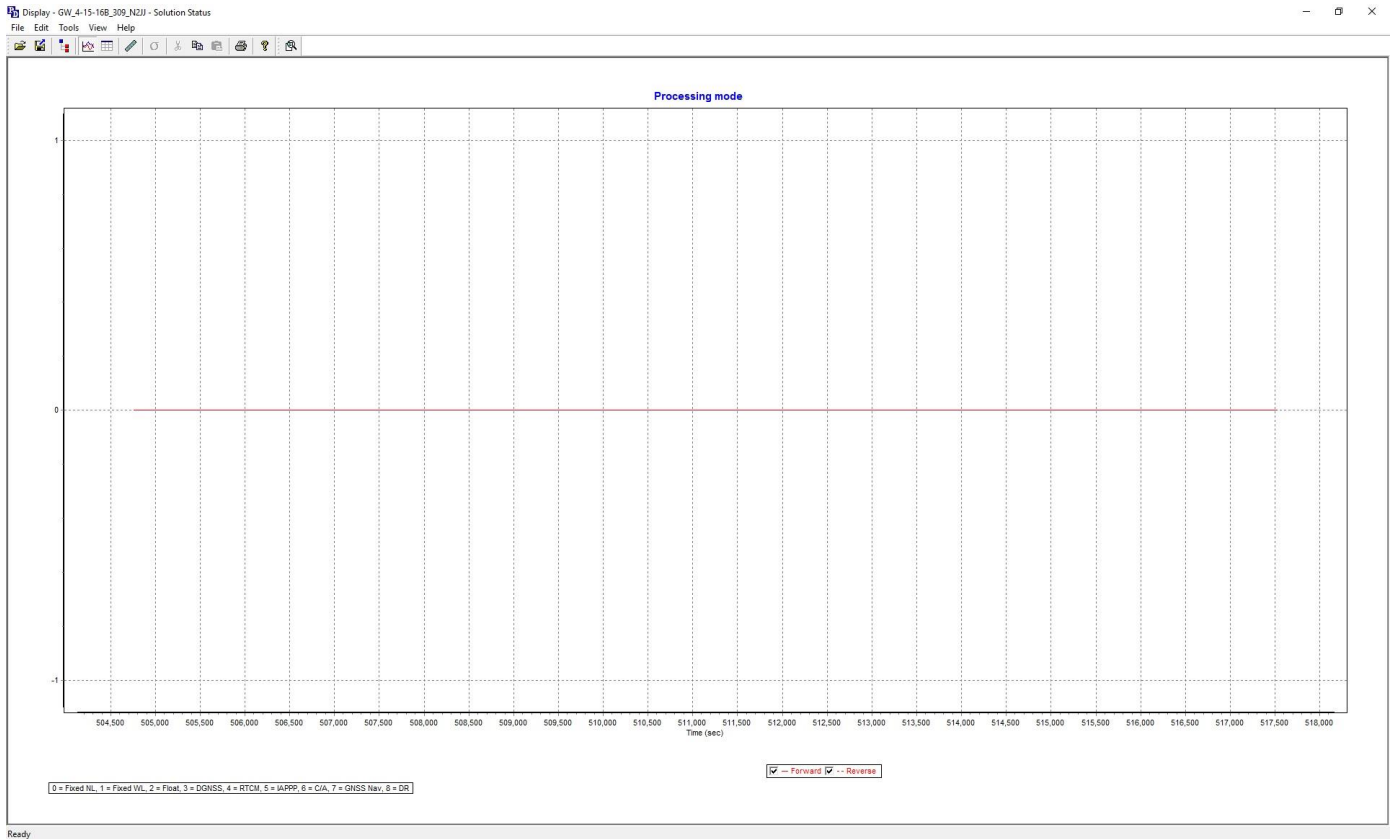


### Apr 15, 2016-B (N2JJ, SN309)

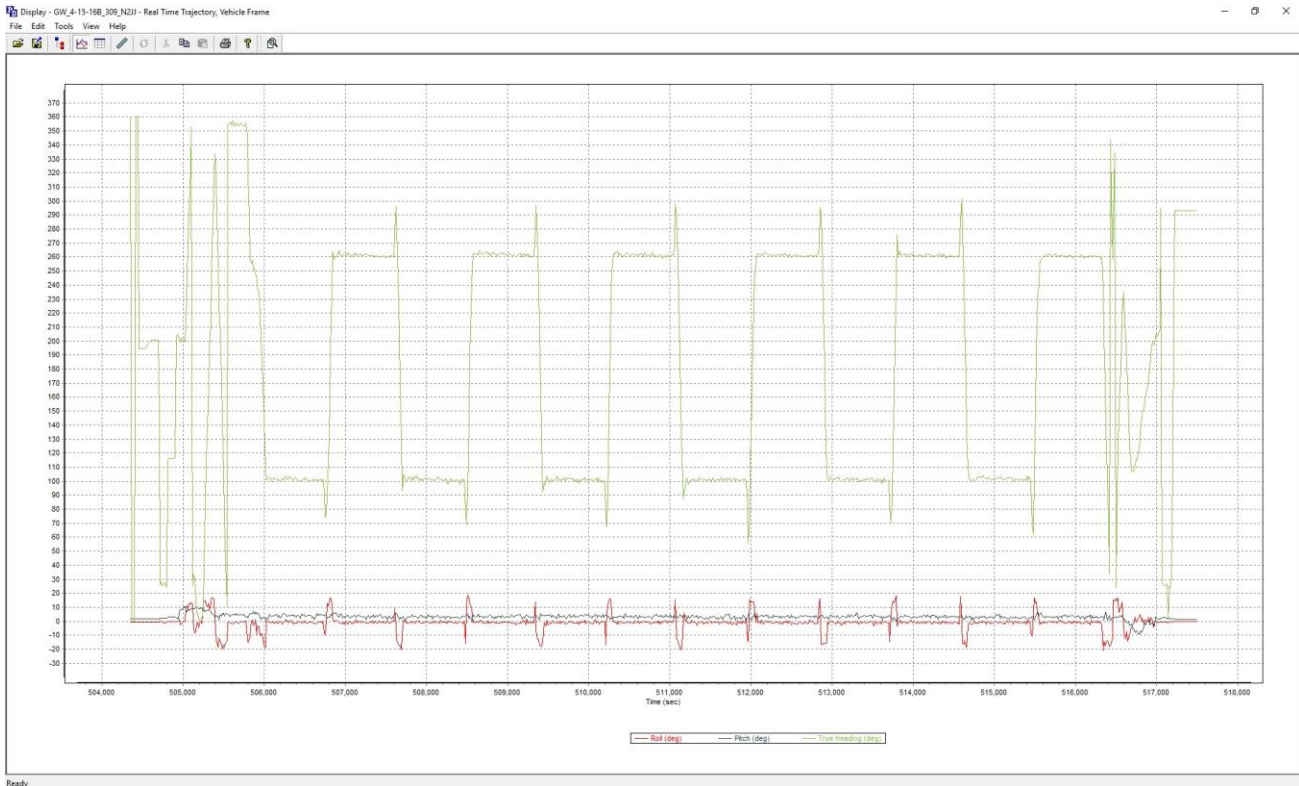








Ready



**Coordinate Manager**

**Station Information**

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Primary Service ID:  Edit Coordinate Accuracy: UNKNOWN\_ACC

Secondary Service ID:  Edit Add Delete Update

Station ID	Station Full...	Frame	Epoch	Ellipsoid	Latitude	Longitude	Altitude	Coord Acc

Import Coordinates Export Coordinates

Close



**GPS OBSERVATION LOG**

Station ID	<u>ASHLAND GPS</u> <u>PID: RMO890</u>	Date	<u>10 / 22 / 15</u>
Project Number	<u>26947</u>	Julian Date	<u>295</u>
Project Name	<u>BAYFIELD LIDAR</u>	Start Time	<u>12 : 40 : (2) :</u>
Rcvr. Type	<u>Novatel DLV3 L1 L2</u>	Stop Time	<u>24 : 08 : (2) :</u>
Rcvr. S/N	<u>NBV 12130007</u>	Rcvr. File Name	<u>00072950_PDC</u>
Antenna Type	<u>Novatel 702GG v1.03</u>	Observer	<u>BDN</u>
Antenna S/N	<u>01017577</u>		

New or Existing Mon.  New  Existing  
 Photo Taken:  Yes  No  
 Monument Type: DISK IN CONCRETE  
 Spike  PK Nail  AM Washer   
 Other \_\_\_\_\_

Height Readings:  
(Top of Monument to Bottom of Ground Plane)

Start 2.0 M. \_\_\_\_\_ Ft.  
 Stop \_\_\_\_\_ M. \_\_\_\_\_ Ft.  
 Mean \_\_\_\_\_ M. \_\_\_\_\_ Ft.

FIXED POLE

