

General Information

Mission Information

Project name	220622_A_5060448_nad2011_FINAL
Processing date	2022-06-27 13:53:28
Mission date	2022-06-22 11:35:07
Mission duration	04:18:06.000
Processing mode	IN-Fusion PP-RTX

Rover Hardware Information

Product	POS AV 610 VER6 HW2.5-12
Serial number	S/N11194
IMU type	57
Receiver type	BD992
Antenna type	AV39

Project File List

Rover Data Files

File name	File type
0622a448.501	POS Data
0622a448.502	POS Data
0622a448.503	POS Data
0622a448.504	POS Data
0622a448.505	POS Data
0622a448.506	POS Data
0622a448.507	POS Data
0622a448.508	POS Data
0622a448.509	POS Data
0622a448.510	POS Data
0622a448.511	POS Data
0622a448.512	POS Data
0622a448.513	POS Data
0622a448.514	POS Data
0622a448.515	POS Data
0622a448.516	POS Data
0622a448.517	POS Data
0622a448.518	POS Data
0622a448.519	POS Data
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0622a448.525	POS Data
0622a448.526	POS Data
0622a448.527	POS Data
0622a448.528	POS Data
0622a448.529	POS Data
0622a448.530	POS Data
0622a448.531	POS Data
0622a448.532	POS Data
0622a448.533	POS Data
0622a448.534	POS Data
0622a448.535	POS Data

Input Files

File Name	File Type
Ephm1730.22g	GLONASS Broadcast Ephemeris
Ephm1730.22n	GPS Broadcast Ephemeris

Output Files

Filename	File type
sbet_220622_A_5060448_nad2011_FINAL.out	SBET Trajectory File

Rover Data Summary

First raw data file	0622a448.501		
Last raw data file	0622a448.535		
Start GPS week	2215		
Start time	300906.889 (6/22/2022 11:35:06 AM)		
End time	316392.624 (6/22/2022 3:53:12 PM)		
Start of fine alignment	301426.115 (6/22/2022 11:43:46 AM)		
Available subsystems	Primary GNSS, IMU		
POS Event Input	None		
Correction data	None		
IMU Installation Lever Arms & Mounting Angles			
Reference to IMU lever arm (m)	0.000	0.000	0.000
Reference to IMU mounting angles (deg)	0.000	0.000	180.000
Reference to Primary GNSS lever arm (m)	0.140	-0.150	-1.115
Reference to Primary GNSS lever arm std dev (m)	-1.000		
Aircraft to Reference mounting angles (deg)	0.000	0.000	0.000

Rover Data QC

Raw IMU Import QC Summary

IMU data input file	imu_Mission 1.dat
IMU data check log file	imudt_220622_A_5060448_nad2011_FINAL.log
IMU Records Processed	3096576
Termination Status	Normal
IMU Anomalies	0

GNSS QC

GNSS QC Statistics

Statistics	Min	Max	Mean
Baseline length (km)	0.00	0.00	
Number of GPS SV	7	10	9
Number of GLONASS SV	3	7	5
Number of QZSS SV	0	0	0
Number of BEIDOU SV	0	2	1
Number of GALILEO SV	5	9	7
Total number of SV	17	27	22
PDOP	0.97	1.53	1.13
QC Solution Gaps	0.00	0.00	
Solution Type	Fixed	Float	No solution
Epoch (sec)	15468.00	0.00	0.00
Percentage	100.00	0.00	0.00

GNSS-Inertial Processor Configuration

Processing mode	IN-Fusion PP-RTX		
Stabilized mount	False		
Processing start time	300907.000 (6/22/2022 11:35:07 AM)		
Processing end time	316393.000 (6/22/2022 3:53:13 PM)		
Initial attitude source	Real-Time VNAV/RNAV Attitude		
IMU Sensor Context	Processing with Onboard IMU		
Reference to IMU lever arm (m)	0.000	0.000	0.000
Reference to IMU mounting angles (deg)	0.000	0.000	180.000
Reference to Primary GNSS lever arm (m)	0.094	-0.160	-1.104
Reference to Primary GNSS lever arm std dev (m)	0.030	0.030	0.030
Aircraft to Reference mounting angles (deg)	0.000	0.000	0.000