

General Information

Mission Information

Project name	220606_A_5060448_nad2011_FINAL
Processing date	2022-06-10 12:58:35
Mission date	2022-06-06 11:41:54
Mission duration	04:09:10.000
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
0606a448.296	POS Data
0606a448.297	POS Data
0606a448.298	POS Data
0606a448.299	POS Data
0606a448.300	POS Data
0606a448.301	POS Data
0606a448.302	POS Data
0606a448.303	POS Data
0606a448.304	POS Data
0606a448.305	POS Data
0606a448.306	POS Data
0606a448.307	POS Data
0606a448.308	POS Data
0606a448.309	POS Data
0606a448.310	POS Data
0606a448.311	POS Data
0606a448.312	POS Data
0606a448.313	POS Data
0606a448.314	POS Data
0606a448.315	POS Data
0606a448.316	POS Data
0606a448.317	POS Data
0606a448.318	POS Data
0606a448.319	POS Data
0606a448.320	POS Data
0606a448.321	POS Data
0606a448.322	POS Data
0606a448.323	POS Data
0606a448.324	POS Data
0606a448.325	POS Data
0606a448.326	POS Data
0606a448.327	POS Data
0606a448.328	POS Data
0606a448.329	POS Data

Input Files

File Name	File Type
Ephm1570.22g	GLONASS Broadcast Ephemeris
Ephm1570.22n	GPS Broadcast Ephemeris

Output Files

Filename	File type
sbet_220606_A_5060448_nad2011_FINAL.out	SBET Trajectory File

Rover Data Summary

First raw data file	0606a448.296		
Last raw data file	0606a448.329		
Start GPS week	2213		
Start time	128513.456 (6/6/2022 11:41:53 AM)		
End time	143464.102 (6/6/2022 3:51:04 PM)		
Start of fine alignment	129091.850 (6/6/2022 11:51:31 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_220606_A_5060448_nad2011_FINAL.log
IMU Records Processed	2989620
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	4	7	5
Number of QZSS SV	0	0	0
Number of BEIDOU SV	0	0	0
Number of GALILEO SV	5	10	7
Total number of SV	17	25	21
PDOP	0.98	1.26	1.11
QC Solution Gaps	0.00	0.00	
Solution Type	Fixed	Float	No solution
Epoch (sec)	14899.00	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	128514.000 (6/6/2022 11:41:54 AM)		
Processing end time	143464.000 (6/6/2022 3:51:04 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)	0.082	-0.172	-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