General Information

Mission Information

Project name	220609_A_5060448_nad2011_FINAL
Processing date	2022-06-17 14:31:01
Mission date	2022-06-09 11:44:41
Mission duration	04:46:29.000
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
0609a448.406	POS Data
0609a448.407	POS Data
0609a448.408	POS Data
0609a448.409	POS Data
0609a448.410	POS Data
0609a448.411	POS Data
0609a448.412	POS Data
0609a448.413	POS Data
0609a448.414	POS Data
0609a448.415	POS Data
0609a448.416	POS Data
0609a448.417	POS Data
0609a448.418	POS Data
0609a448.419	POS Data
0609a448.420	POS Data
0609a448.421	POS Data
0609a448.422	POS Data
0609a448.423	POS Data
0609a448.424	POS Data
0609a448.425	POS Data
0609a448.426	POS Data
0609a448.427	POS Data
0609a448.428	POS Data
0609a448.429	POS Data
0609a448.430	POS Data
0609a448.431	POS Data
0609a448.432	POS Data
0609a448.433	POS Data
0609a448.434	POS Data
0609a448.435	POS Data
0609a448.436	POS Data
0609a448.437	POS Data
0609a448.438	POS Data
0609a448.439	POS Data
0609a448.440	POS Data
0609a448.441	POS Data
0609a448.442	POS Data
0609a448.443	POS Data
0609a448.444	POS Data

Input Files

File Name	File Type
Ephm1600.22g	GLONASS Broadcast Ephemeris
Ephm1600.22n	GPS Broadcast Ephemeris

Output Files

Filename	File type
sbet_220609_A_5060448_nad2011_FINAL.out	SBET Trajectory File

Rover Data Summary

First raw data file	0609a448.406		
Last raw data file	0609a448.444		
Start GPS week	2213		
Start time	387880.808 (6/9/2022 11:44:40 AM)		
End time	405070.002 (6/9/2022 4:31:10 PM)		
Start of fine alignment	388330.062 (6/9/2022 11:52:10 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_220609_A_5060448_nad2011_FINAL.log
IMU Records Processed	3437082
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	4	10	8
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	3	8	6
Total number of SV	13	24	20
PDOP	0.97	2.03	1.15
QC Solution Gaps	0.00	0.00	
Solution Type	**Fixed**	**Float**	**No solution**
Epoch (sec)	17175.00	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	387881.000 (6/9/2022 11:44:41 AM)		
Processing end time	405070.000 (6/9/2022 4:31:10 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)	0.092	-0.163	-1.098
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