General Information

Mission Information

Project name	220608_A_5060448_nad2011_FINAL
Processing date	2022-06-10 14:26:12
Mission date	2022-06-08 11:44:49
Mission duration	05:11:05.000
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
0608a448.363	POS Data
0608a448.364	POS Data
0608a448.365	POS Data
0608a448.366	POS Data
0608a448.367	POS Data
0608a448.368	POS Data
0608a448.369	POS Data
0608a448.370	POS Data
0608a448.371	POS Data
0608a448.372	POS Data
0608a448.373	POS Data
0608a448.374	POS Data
0608a448.375	POS Data
0608a448.376	POS Data
0608a448.377	POS Data
0608a448.378	POS Data
0608a448.379	POS Data
0608a448.380	POS Data
0608a448.381	POS Data
0608a448.382	POS Data
0608a448.383	POS Data
0608a448.384	POS Data
0608a448.385	POS Data
0608a448.386	POS Data
0608a448.387	POS Data
0608a448.388	POS Data
0608a448.389	POS Data
0608a448.390	POS Data
0608a448.391	POS Data
0608a448.392	POS Data
0608a448.393	POS Data
0608a448.394	POS Data
0608a448.395	POS Data
0608a448.396	POS Data
0608a448.397	POS Data
0608a448.398	POS Data
0608a448.399	POS Data
0608a448.400	POS Data
0608a448.401	POS Data
0608a448.402	POS Data
0608a448.403	POS Data
0608a448.404	POS Data
0608a448.405	POS Data

Input Files

File Name	File Type
Ephm1590.22g	GLONASS Broadcast Ephemeris
Ephm1590.22n	GPS Broadcast Ephemeris

Output Files

Filename	File type
sbet_220608_A_5060448_nad2011_FINAL.out	SBET Trajectory File

Rover Data Summary

First raw data file	0608a448.363		
Last raw data file	0608a448.405		
Start GPS week	2213		
Start time	301489.050 (06/08/2022 11:44:49)		
End time	320153.563 (06/08/2022 16:55:53)		
Start of fine alignment	301936.773 (06/08/2022 11:52:16)		
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_220608_A_5060448_nad2011_FINAL.log
IMU Records Processed	3732366
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	6	9	8
Number of GLONASS SV	3	7	6
Number of QZSS SV	0	0	0
Number of BEIDOU SV	0	2	1
Number of GALILEO SV	5	8	7
Total number of SV	17	25	21
PDOP	0.96	1.40	1.16
QC Solution Gaps	0.00	0.00	
Solution Type	**Fixed**	**Float**	**No solution**
Epoch (sec)	18654.00	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	301489.000 (06/08/2022 11:44:49)		
Processing end time	320154.000 (06/08/2022 16:55:54)		
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)	0.095	-0.157	-1.107
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