

General Information

Mission Information

Project name	220608_A_5060386_nad2011_FINAL
Processing date	2022-06-20 16:45:20
Mission date	2022-06-08 11:45:32
Mission duration	04:47:01.000
Processing mode	IN-Fusion PP-RTX

Rover Hardware Information

Product	POS AV 610 VER6 HW2.5-12
Serial number	S/N8083
IMU type	57
Receiver type	BD982
Antenna type	AV39

Project File List

Rover Data Files

File name	File type
0608a386.188	POS Data
0608a386.189	POS Data
0608a386.190	POS Data
0608a386.191	POS Data
0608a386.192	POS Data
0608a386.193	POS Data
0608a386.194	POS Data
0608a386.195	POS Data
0608a386.196	POS Data
0608a386.197	POS Data
0608a386.198	POS Data
0608a386.199	POS Data
0608a386.200	POS Data
0608a386.201	POS Data
0608a386.202	POS Data
0608a386.203	POS Data
0608a386.204	POS Data
0608a386.205	POS Data
0608a386.206	POS Data
0608a386.207	POS Data
0608a386.208	POS Data
0608a386.209	POS Data
0608a386.210	POS Data
0608a386.211	POS Data
0608a386.212	POS Data
0608a386.213	POS Data
0608a386.214	POS Data
0608a386.215	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_5060386_nad2011_FINAL.out	SBET Trajectory File

Rover Data Summary

First raw data file	0608a386.188		
Last raw data file	0608a386.215		
Start GPS week	2213		
Start time	301531.876 (6/8/2022 11:45:31 AM)		
End time	318754.866 (6/8/2022 4:32:34 PM)		
Start of fine alignment	302119.008 (6/8/2022 11:55:19 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_220608_A_5060386_nad2011_FINAL.log
IMU Records Processed	3443826
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	5	9	8
Number of GLONASS SV	0	7	5
Number of QZSS SV	0	0	0
Number of BEIDOU SV	0	2	1
Number of GALILEO SV	2	6	5
Total number of SV	12	23	19
PDOP	1.02	1.85	1.25
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	301532.000 (6/8/2022 11:45:32 AM)		
Processing end time	318753.000 (6/8/2022 4:32:33 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)	0.091	-0.199	-0.946
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