

General Information

Mission Information

Project name	220601_A_5060386_nad2011_FINAL
Processing date	2022-06-06 21:51:00
Mission date	2022-06-01 13:14:03
Mission duration	03:21:52.000
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
0601a386.130	POS Data
0601a386.131	POS Data
0601a386.132	POS Data
0601a386.133	POS Data
0601a386.134	POS Data
0601a386.135	POS Data
0601a386.136	POS Data
0601a386.137	POS Data
0601a386.138	POS Data
0601a386.139	POS Data
0601a386.140	POS Data
0601a386.141	POS Data
0601a386.142	POS Data
0601a386.143	POS Data
0601a386.144	POS Data
0601a386.145	POS Data
0601a386.146	POS Data
0601a386.147	POS Data
0601a386.148	POS Data
0601a386.149	POS Data

Input Files

File Name	File Type
Ephm1520.22g	GLONASS Broadcast Ephemeris
Ephm1520.22n	GPS Broadcast Ephemeris

Output Files

Filename	File type
sbet_220601_A_5060386_nad2011_FINAL.out	SBET Trajectory File

Rover Data Summary

First raw data file	0601a386.130		
Last raw data file	0601a386.149		
Start GPS week	2212		
Start time	306842.843 (6/1/2022 1:14:02 PM)		
End time	318956.626 (6/1/2022 4:35:56 PM)		
Start of fine alignment	307254.291 (6/1/2022 1:20:54 PM)		
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_220601_A_5060386_nad2011_FINAL.log
IMU Records Processed	2422281
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	10	9
Number of GLONASS SV	0	6	5
Number of QZSS SV	0	0	0
Number of BEIDOU SV	0	2	2
Number of GALILEO SV	2	7	6
Total number of SV	14	25	22
PDOP	0.99	1.98	1.16
QC Solution Gaps	0.00	0.00	
Solution Type	Fixed	Float	No solution
Epoch (sec)	12055.00	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	306843.000 (6/1/2022 1:14:03 PM)		
Processing end time	318955.000 (6/1/2022 4:35:55 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)	0.042	-0.227	-0.948
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