

General Information

Mission Information

Project name	220609_A_5060386_nad2011_FINAL
Processing date	2022-06-20 17:34:51
Mission date	2022-06-09 11:37:04
Mission duration	04:21:31.000
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
0609a386.218	POS Data
0609a386.219	POS Data
0609a386.220	POS Data
0609a386.221	POS Data
0609a386.222	POS Data
0609a386.223	POS Data
0609a386.224	POS Data
0609a386.225	POS Data
0609a386.226	POS Data
0609a386.227	POS Data
0609a386.228	POS Data
0609a386.229	POS Data
0609a386.230	POS Data
0609a386.231	POS Data
0609a386.232	POS Data
0609a386.233	POS Data
0609a386.234	POS Data
0609a386.235	POS Data
0609a386.236	POS Data
0609a386.237	POS Data
0609a386.238	POS Data
0609a386.239	POS Data
0609a386.240	POS Data
0609a386.241	POS Data
0609a386.242	POS Data
0609a386.243	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_5060386_nad2011_FINAL.out	SBET Trajectory File

Rover Data Summary

First raw data file	0609a386.218		
Last raw data file	0609a386.243		
Start GPS week	2213		
Start time	387423.353 (06/09/2022 11:37:03)		
End time	403115.993 (06/09/2022 15:58:35)		
Start of fine alignment	387862.112 (06/09/2022 11:44:22)		
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_5060386_nad2011_FINAL.log
IMU Records Processed	3137895
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	10	8
Number of GLONASS SV	0	6	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	10	23	20
PDOP	0.99	2.33	1.21
QC Solution Gaps	0.00	0.00	
Solution Type	Fixed	Float	No solution
Epoch (sec)	15639.00	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	387424.000 (06/09/2022 11:37:04)		
Processing end time	403115.000 (06/09/2022 15:58:35)		
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)	0.067	-0.208	-0.943
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