

General Information

Mission Information

Project name	220617_A_5060448_nad2011_FINAL
Processing date	2022-06-27 17:31:09
Mission date	2022-06-17 11:37:31
Mission duration	03:00:35.000
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
0617a448.445	POS Data
0617a448.446	POS Data
0617a448.447	POS Data
0617a448.448	POS Data
0617a448.449	POS Data
0617a448.450	POS Data
0617a448.451	POS Data
0617a448.452	POS Data
0617a448.453	POS Data
0617a448.454	POS Data
0617a448.455	POS Data
0617a448.456	POS Data
0617a448.457	POS Data
0617a448.458	POS Data
0617a448.459	POS Data
0617a448.460	POS Data
0617a448.461	POS Data
0617a448.462	POS Data
0617a448.463	POS Data
0617a448.464	POS Data
0617a448.465	POS Data
0617a448.466	POS Data
0617a448.467	POS Data
0617a448.468	POS Data
0617a448.469	POS Data

Input Files

File Name	File Type
Ephm1680.22g	GLONASS Broadcast Ephemeris
Ephm1680.22n	GPS Broadcast Ephemeris

Output Files

Filename	File type
sbet_220617_A_5060448_nad2011_FINAL.out	SBET Trajectory File

Rover Data Summary

First raw data file	0617a448.445		
Last raw data file	0617a448.469		
Start GPS week	2214		
Start time	473851.045 (6/17/2022 11:37:31 AM)		
End time	484685.698 (6/17/2022 2:38:05 PM)		
Start of fine alignment	474339.299 (6/17/2022 11:45:39 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_220617_A_5060448_nad2011_FINAL.log
IMU Records Processed	2166542
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	7	10	9
Number of GLONASS SV	4	7	6
Number of QZSS SV	0	0	0
Number of BEIDOU SV	0	0	0
Number of GALILEO SV	4	8	7
Total number of SV	17	25	22
PDOP	1.00	1.37	1.14
QC Solution Gaps	0.00	0.00	
Solution Type	Fixed	Float	No solution
Epoch (sec)	10803.00	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	473851.000 (6/17/2022 11:37:31 AM)		
Processing end time	484686.000 (6/17/2022 2:38:06 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)	0.085	-0.167	-1.099
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