

General Information

Mission Information

Project name	220623_A_5060492_nad2011_FINAL
Processing date	2022-07-05 16:25:45
Mission date	2022-06-23 14:49:05
Mission duration	01:25:06.000
Processing mode	IN-Fusion PP-RTX

Rover Hardware Information

Product	POS AV 610 VER6 HW2.5-12
Serial number	S/N12686
IMU type	57
Receiver type	BD982
Antenna type	AV39

Project File List

Rover Data Files

File name	File type
220623a.119	POS Data
220623a.120	POS Data
220623a.121	POS Data
220623a.122	POS Data
220623a.123	POS Data
220623a.124	POS Data
220623a.125	POS Data
220623a.126	POS Data
220623a.127	POS Data
220623a.128	POS Data
220623a.129	POS Data
220623a.130	POS Data

Input Files

File Name	File Type
Ephm1740.22g	GLONASS Broadcast Ephemeris
Ephm1740.22n	GPS Broadcast Ephemeris

Output Files

Filename	File type
sbet_220623_A_5060492_nad2011_FINAL.out	SBET Trajectory File

Rover Data Summary

First raw data file	220623a.119		
Last raw data file	220623a.130		
Start GPS week	2215		
Start time	17.242 (6/19/2022 12:00:17 AM)		
End time	404051.934 (6/23/2022 4:14:11 PM)		
Start of fine alignment	399359.039 (6/23/2022 2:55:59 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)	0.361	-0.429	-0.945
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_220623_A_5060492_nad2011_FINAL.log
IMU Records Processed	1021223
Termination Status	Warnings
IMU Anomalies	1
IMU Failure Messages	
398949.957 : WARNING : Gap of 398931.9648 seconds in CHECKDT input data	

GNSS QC

GNSS QC Statistics

Statistics	Min	Max	Mean
Baseline length (km)	0.00	0.00	
Number of GPS SV	3	9	8
Number of GLONASS SV	3	7	6
Number of QZSS SV	0	0	0
Number of BEIDOU SV	1	2	2
Number of GALILEO SV	4	6	6
Total number of SV	12	23	22
PDOP	1.03	3.92	1.14
QC Solution Gaps	0.00	0.00	
Solution Type	Fixed	Float	No solution
Epoch (sec)	5058.00	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	398945.000 (6/23/2022 2:49:05 PM)		
Processing end time	404051.000 (6/23/2022 4:14:11 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)	0.394	-0.423	-1.080
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