

General Information

Mission Information

Project name	220617_B_5060492_nad2011_FINAL
Processing date	2022-06-21 20:51:44
Mission date	2022-06-17 12:07:09
Mission duration	02:53:19.000
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
220617b.018	POS Data
220617b.019	POS Data
220617b.020	POS Data
220617b.021	POS Data
220617b.022	POS Data
220617b.023	POS Data
220617b.024	POS Data
220617b.025	POS Data
220617b.026	POS Data
220617b.027	POS Data
220617b.028	POS Data
220617b.029	POS Data
220617b.030	POS Data
220617b.031	POS Data
220617b.032	POS Data
220617b.033	POS Data
220617b.034	POS Data
220617b.035	POS Data
220617b.036	POS Data
220617b.037	POS Data
220617b.038	POS Data
220617b.039	POS Data
220617b.040	POS Data
220617b.041	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_B_5060492_nad2011_FINAL.out	SBET Trajectory File

Rover Data Summary

First raw data file	220617b.018		
Last raw data file	220617b.041		
Start GPS week	2214		
Start time	475629.093 (6/17/2022 12:07:09 PM)		
End time	486028.021 (6/17/2022 3:00:28 PM)		
Start of fine alignment	475648.596 (6/17/2022 12:07:28 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_220617_B_5060492_nad2011_FINAL.log
IMU Records Processed	2079524
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	6	6
Number of QZSS SV	0	0	0
Number of BEIDOU SV	0	0	0
Number of GALILEO SV	6	8	7
Total number of SV	19	24	21
PDOP	1.00	1.40	1.14
QC Solution Gaps	0.00	0.00	
Solution Type	Fixed	Float	No solution
Epoch (sec)	10348.00	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	475629.000 (6/17/2022 12:07:09 PM)		
Processing end time	486028.000 (6/17/2022 3:00:28 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)	0.393	-0.424	-1.079
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