

General Information

Mission Information

Project name	220619_A_5060492_nad2011_FINAL
Processing date	2022-06-21 22:13:02
Mission date	2022-06-19 17:48:57
Mission duration	02:25:26.000
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
220619a.044	POS Data
220619a.045	POS Data
220619a.046	POS Data
220619a.047	POS Data
220619a.048	POS Data
220619a.049	POS Data
220619a.050	POS Data
220619a.051	POS Data
220619a.052	POS Data
220619a.053	POS Data
220619a.054	POS Data
220619a.055	POS Data
220619a.056	POS Data
220619a.057	POS Data
220619a.058	POS Data
220619a.059	POS Data
220619a.060	POS Data
220619a.061	POS Data
220619a.062	POS Data
220619a.063	POS Data

Input Files

File Name	File Type
Ephm1700.22g	GLONASS Broadcast Ephemeris
Ephm1700.22n	GPS Broadcast Ephemeris

Output Files

Filename	File type
sbet_220619_A_5060492_nad2011_FINAL.out	SBET Trajectory File

Rover Data Summary

First raw data file	220619a.044		
Last raw data file	220619a.063		
Start GPS week	2215		
Start time	64136.573 (06/19/2022 17:48:56)		
End time	72863.278 (06/19/2022 20:14:23)		
Start of fine alignment	64366.165 (06/19/2022 17:52:46)		
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_220619_A_5060492_nad2011_FINAL.log
IMU Records Processed	1745135
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	9	8
Number of GLONASS SV	4	6	5
Number of QZSS SV	0	0	0
Number of BEIDOU SV	0	0	0
Number of GALILEO SV	5	9	7
Total number of SV	17	23	21
PDOP	1.03	1.68	1.18
QC Solution Gaps	0.00	0.00	
Solution Type	Fixed	Float	No solution
Epoch (sec)	8699.00	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	64137.000 (06/19/2022 17:48:57)		
Processing end time	72863.000 (06/19/2022 20:14:23)		
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)	0.366	-0.423	-1.077
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