

General Information

Mission Information

Project name	220701_A_5060448_nad2011_FINAL
Processing date	2022-07-04 14:52:24
Mission date	2022-07-01 11:48:10
Mission duration	04:44:39.000
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
0701a448.623	POS Data
0701a448.624	POS Data
0701a448.625	POS Data
0701a448.626	POS Data
0701a448.627	POS Data
0701a448.628	POS Data
0701a448.629	POS Data
0701a448.630	POS Data
0701a448.631	POS Data
0701a448.632	POS Data
0701a448.633	POS Data
0701a448.634	POS Data
0701a448.635	POS Data
0701a448.636	POS Data
0701a448.637	POS Data
0701a448.638	POS Data
0701a448.639	POS Data
0701a448.640	POS Data
0701a448.641	POS Data
0701a448.642	POS Data
0701a448.643	POS Data
0701a448.644	POS Data
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0701a448.655	POS Data
0701a448.656	POS Data
0701a448.657	POS Data
0701a448.658	POS Data
0701a448.659	POS Data
0701a448.660	POS Data
0701a448.661	POS Data

Input Files

File Name	File Type
Ephm1820.22g	GLONASS Broadcast Ephemeris
Ephm1820.22n	GPS Broadcast Ephemeris

Output Files

Filename	File type
sbet_220701_A_5060448_nad2011_FINAL.out	SBET Trajectory File

Rover Data Summary

First raw data file	0701a448.623		
Last raw data file	0701a448.661		
Start GPS week	2216		
Start time	474495.426 (7/1/2022 11:48:15 AM)		
End time	491568.506 (7/1/2022 4:32:48 PM)		
Start of fine alignment	475094.330 (7/1/2022 11:58:14 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_220701_A_5060448_nad2011_FINAL.log
IMU Records Processed	3415037
Termination Status	Warnings
IMU Anomalies	1
IMU Failure Messages	
474495.181 : WARNING : Gap of 474473.1868 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	4	10	9
Number of GLONASS SV	0	7	5
Number of QZSS SV	0	0	0
Number of BEIDOU SV	0	2	0
Number of GALILEO SV	0	7	6
Total number of SV	5	25	20
PDOP	0.90	3.95	1.15
QC Solution Gaps	0.00	0.00	
Solution Type	Fixed	Float	No solution
Epoch (sec)	17061.00	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	474490.000 (7/1/2022 11:48:10 AM)		
Processing end time	491569.000 (7/1/2022 4:32:49 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)	0.081	-0.157	-1.112
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