

General Information

Mission Information

Project name	220620_A_5060492_nad2011_FINAL
Processing date	2022-06-21 23:12:21
Mission date	2022-06-20 11:04:19
Mission duration	04:09:42.000
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
220620a.064	POS Data
220620a.065	POS Data
220620a.066	POS Data
220620a.067	POS Data
220620a.068	POS Data
220620a.069	POS Data
220620a.070	POS Data
220620a.071	POS Data
220620a.072	POS Data
220620a.073	POS Data
220620a.074	POS Data
220620a.075	POS Data
220620a.076	POS Data
220620a.077	POS Data
220620a.078	POS Data
220620a.079	POS Data
220620a.080	POS Data
220620a.081	POS Data
220620a.082	POS Data
220620a.083	POS Data
220620a.084	POS Data
220620a.085	POS Data
220620a.086	POS Data
220620a.087	POS Data
220620a.088	POS Data
220620a.089	POS Data
220620a.090	POS Data
220620a.091	POS Data
220620a.092	POS Data
220620a.093	POS Data
220620a.094	POS Data
220620a.095	POS Data
220620a.096	POS Data
220620a.097	POS Data

Input Files

File Name	File Type
Ephm1710.22g	GLONASS Broadcast Ephemeris
Ephm1710.22n	GPS Broadcast Ephemeris

Output Files

Filename	File type
sbet_220620_A_5060492_nad2011_FINAL.out	SBET Trajectory File

Rover Data Summary

First raw data file	220620a.064		
Last raw data file	220620a.097		
Start GPS week	2215		
Start time	13.916 (06/19/2022 00:00:13)		
End time	141241.484 (06/20/2022 15:14:01)		
Start of fine alignment	126474.983 (06/20/2022 11:07:54)		
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_220620_A_5060492_nad2011_FINAL.log
IMU Records Processed	2996082
Termination Status	Warnings
IMU Anomalies	1
IMU Failure Messages	
126258.935 : WARNING : Gap of 126244.9433 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	10	9
Number of GLONASS SV	3	7	5
Number of QZSS SV	0	0	0
Number of BEIDOU SV	0	0	0
Number of GALILEO SV	0	9	7
Total number of SV	7	24	21
PDOP	0.98	3.44	1.16
QC Solution Gaps	0.00	0.00	
Solution Type	Fixed	Float	No solution
Epoch (sec)	14956.00	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	126259.000 (06/20/2022 11:04:19)		
Processing end time	141241.000 (06/20/2022 15:14:01)		
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)	0.389	-0.421	-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