

General Information

Mission Information

Project name	220527_A_5060448_nad2011_FINAL
Processing date	2022-06-02 20:22:34
Mission date	2022-05-27 14:15:59
Mission duration	04:02:56.000
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
0527a448.101	POS Data
0527a448.102	POS Data
0527a448.103	POS Data
0527a448.104	POS Data
0527a448.105	POS Data
0527a448.106	POS Data
0527a448.107	POS Data
0527a448.108	POS Data
0527a448.109	POS Data
0527a448.110	POS Data
0527a448.111	POS Data
0527a448.112	POS Data
0527a448.113	POS Data
0527a448.114	POS Data
0527a448.115	POS Data
0527a448.116	POS Data
0527a448.117	POS Data
0527a448.118	POS Data
0527a448.119	POS Data
0527a448.120	POS Data
0527a448.121	POS Data
0527a448.122	POS Data
0527a448.123	POS Data
0527a448.124	POS Data
0527a448.125	POS Data
0527a448.126	POS Data
0527a448.127	POS Data
0527a448.128	POS Data
0527a448.129	POS Data
0527a448.130	POS Data
0527a448.131	POS Data
0527a448.132	POS Data
0527a448.133	POS Data

Input Files

File Name	File Type
Ephm1470.22g	GLONASS Broadcast Ephemeris
Ephm1470.22n	GPS Broadcast Ephemeris

Output Files

Filename	File type
sbt_220527_A_5060448_nad2011_FINAL.out	SBET Trajectory File

Rover Data Summary

First raw data file	0527a448.101		
Last raw data file	0527a448.133		
Start GPS week	2211		
Start time	483358.268 (05/27/2022 14:15:58)		
End time	497934.766 (05/27/2022 18:18:54)		
Start of fine alignment	483805.859 (05/27/2022 14:23:25)		
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_220527_A_5060448_nad2011_FINAL.log
IMU Records Processed	2914793
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	5	10	8
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	8	6
Total number of SV	10	24	20
PDOP	1.02	1.94	1.16
QC Solution Gaps	0.00	0.00	
Solution Type	Fixed	Float	No solution
Epoch (sec)	14558.00	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	483359.000 (05/27/2022 14:15:59)		
Processing end time	497935.000 (05/27/2022 18:18:55)		
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)	0.095	-0.154	-1.110
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