

General Information

Mission Information

Project name	220607_A_5060448_nad2011_FINAL
Processing date	2022-06-10 13:46:34
Mission date	2022-06-07 11:36:33
Mission duration	04:02:03.000
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
0607a448.330	POS Data
0607a448.331	POS Data
0607a448.332	POS Data
0607a448.333	POS Data
0607a448.334	POS Data
0607a448.335	POS Data
0607a448.336	POS Data
0607a448.337	POS Data
0607a448.338	POS Data
0607a448.339	POS Data
0607a448.340	POS Data
0607a448.341	POS Data
0607a448.342	POS Data
0607a448.343	POS Data
0607a448.344	POS Data
0607a448.345	POS Data
0607a448.346	POS Data
0607a448.347	POS Data
0607a448.348	POS Data
0607a448.349	POS Data
0607a448.350	POS Data
0607a448.351	POS Data
0607a448.352	POS Data
0607a448.353	POS Data
0607a448.354	POS Data
0607a448.355	POS Data
0607a448.356	POS Data
0607a448.357	POS Data
0607a448.358	POS Data
0607a448.359	POS Data
0607a448.360	POS Data
0607a448.361	POS Data
0607a448.362	POS Data

Input Files

File Name	File Type
Ephm1580.22g	GLONASS Broadcast Ephemeris
Ephm1580.22n	GPS Broadcast Ephemeris

Output Files

Filename	File type
sbet_220607_A_5060448_nad2011_FINAL.out	SBET Trajectory File

Rover Data Summary

First raw data file	0607a448.330		
Last raw data file	0607a448.362		
Start GPS week	2213		
Start time	214592.834 (06/07/2022 11:36:32)		
End time	229116.356 (06/07/2022 15:38:36)		
Start of fine alignment	215081.061 (06/07/2022 11:44:41)		
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_220607_A_5060448_nad2011_FINAL.log
IMU Records Processed	2904107
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	8
Number of GLONASS SV	4	7	6
Number of QZSS SV	0	0	0
Number of BEIDOU SV	0	2	1
Number of GALILEO SV	6	8	7
Total number of SV	18	25	22
PDOP	0.99	1.32	1.13
QC Solution Gaps	0.00	0.00	
Solution Type	Fixed	Float	No solution
Epoch (sec)	14501.00	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	214593.000 (06/07/2022 11:36:33)		
Processing end time	229116.000 (06/07/2022 15:38:36)		
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)	0.093	-0.162	-1.100
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