

General Information

Mission Information

Project name	220604_B_5060448_nad2011_FINAL
Processing date	2022-06-09 20:12:51
Mission date	2022-06-04 20:26:38
Mission duration	02:18:12.000
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
0604b448.239	POS Data
0604b448.240	POS Data
0604b448.241	POS Data
0604b448.242	POS Data
0604b448.243	POS Data
0604b448.244	POS Data
0604b448.245	POS Data
0604b448.246	POS Data
0604b448.247	POS Data
0604b448.248	POS Data
0604b448.249	POS Data
0604b448.250	POS Data
0604b448.251	POS Data
0604b448.252	POS Data
0604b448.253	POS Data
0604b448.254	POS Data
0604b448.255	POS Data
0604b448.256	POS Data
0604b448.257	POS Data

Input Files

File Name	File Type
Ephm1550.22g	GLONASS Broadcast Ephemeris
Ephm1550.22n	GPS Broadcast Ephemeris

Output Files

Filename	File type
sbet_220604_B_5060448_nad2011_FINAL.out	SBET Trajectory File

Rover Data Summary

First raw data file	0604b448.239		
Last raw data file	0604b448.257		
Start GPS week	2212		
Start time	591998.093 (06/04/2022 20:26:38)		
End time	600290.133 (06/04/2022 22:44:50)		
Start of fine alignment	592414.004 (06/04/2022 20:33:34)		
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_220604_B_5060448_nad2011_FINAL.log
IMU Records Processed	1658087
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	9
Number of GLONASS SV	5	7	6
Number of QZSS SV	0	0	0
Number of BEIDOU SV	2	3	2
Number of GALILEO SV	4	8	7
Total number of SV	21	25	23
PDOP	0.99	1.27	1.11
QC Solution Gaps	0.00	0.00	
Solution Type	Fixed	Float	No solution
Epoch (sec)	8243.00	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	591998.000 (06/04/2022 20:26:38)		
Processing end time	600290.000 (06/04/2022 22:44:50)		
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)	0.088	-0.161	-1.094
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