

General Information

Mission Information

Project name	220622_A_5060492_nad2011_FINAL
Processing date	2022-06-24 14:13:08
Mission date	2022-06-22 12:10:43
Mission duration	02:30:40.000
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
220622a.098	POS Data
220622a.099	POS Data
220622a.100	POS Data
220622a.101	POS Data
220622a.102	POS Data
220622a.103	POS Data
220622a.104	POS Data
220622a.105	POS Data
220622a.106	POS Data
220622a.107	POS Data
220622a.108	POS Data
220622a.109	POS Data
220622a.110	POS Data
220622a.111	POS Data
220622a.112	POS Data
220622a.113	POS Data
220622a.114	POS Data
220622a.115	POS Data
220622a.116	POS Data
220622a.117	POS Data
220622a.118	POS Data

Input Files

File Name	File Type
Ephm1730.22g	GLONASS Broadcast Ephemeris
Ephm1730.22n	GPS Broadcast Ephemeris

Output Files

Filename	File type
sbet_220622_A_5060492_nad2011_FINAL.out	SBET Trajectory File

Rover Data Summary

First raw data file	220622a.098		
Last raw data file	220622a.118		
Start GPS week	2215		
Start time	303042.268 (6/22/2022 12:10:42 PM)		
End time	312082.904 (6/22/2022 2:41:22 PM)		
Start of fine alignment	303273.293 (6/22/2022 12:14:33 PM)		
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_220622_A_5060492_nad2011_FINAL.log
IMU Records Processed	1808004
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	3	6	5
Number of QZSS SV	0	0	0
Number of BEIDOU SV	0	2	2
Number of GALILEO SV	6	9	7
Total number of SV	20	27	23
PDOP	0.96	1.31	1.11
QC Solution Gaps	0.00	0.00	
Solution Type	Fixed	Float	No solution
Epoch (sec)	8983.00	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	303043.000 (6/22/2022 12:10:43 PM)		
Processing end time	312083.000 (6/22/2022 2:41:23 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)	0.376	-0.428	-1.080
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