

## General Information

### Mission Information

Project name	220528_A_5060386_nad2011_FINAL
Processing date	2022-06-02 20:45:10
Mission date	2022-05-29 01:03:53
Mission duration	01:36:07.000
Processing mode	IN-Fusion PP-RTX

### Rover Hardware Information

Product	POS AV 610 VER6 HW2.5-12
Serial number	S/N8083
IMU type	57
Receiver type	BD982
Antenna type	AV39

## Project File List

### Rover Data Files

File name	File type
0528a386.118	POS Data
0528a386.119	POS Data
0528a386.120	POS Data
0528a386.121	POS Data
0528a386.122	POS Data
0528a386.123	POS Data
0528a386.124	POS Data
0528a386.125	POS Data
0528a386.126	POS Data
0528a386.127	POS Data

### Input Files

File Name	File Type
Ephm1490.22g	GLONASS Broadcast Ephemeris
Ephm1490.22n	GPS Broadcast Ephemeris

### Output Files

Filename	File type
sbet_220528_A_5060386_nad2011_FINAL.out	SBET Trajectory File

## Rover Data Summary

First raw data file	0528a386.118		
Last raw data file	0528a386.127		
Start GPS week	2212		
Start time	3832.610 (05/29/2022 01:03:52)		
End time	9601.971 (05/29/2022 02:40:01)		
Start of fine alignment	4120.358 (05/29/2022 01:08:40)		
Available subsystems	Primary GNSS, IMU		
POS Event Input	None		
Correction data	None		
<b>IMU Installation Lever Arms &amp; Mounting Angles</b>			
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_220528_A_5060386_nad2011_FINAL.log
IMU Records Processed	1153621
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	0	8	7
Number of QZSS SV	0	0	0
Number of BEIDOU SV	0	2	2
Number of GALILEO SV	0	5	4
Total number of SV	10	24	22
PDOP	0.95	1.79	1.10
QC Solution Gaps	0.00	0.00	
Solution Type	Fixed	Float	No solution
Epoch (sec)	5740.00	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	3833.000 (05/29/2022 01:03:53)		
Processing end time	9600.000 (05/29/2022 02:40:00)		
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)	0.074	-0.175	-0.962
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