

## General Information

### Mission Information

Project name	220527_A_5060386_nad2011_FINAL
Processing date	2022-06-02 19:49:27
Mission date	2022-05-27 14:16:28
Mission duration	03:49:02.000
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
0527a386.094	POS Data
0527a386.095	POS Data
0527a386.096	POS Data
0527a386.097	POS Data
0527a386.098	POS Data
0527a386.099	POS Data
0527a386.100	POS Data
0527a386.101	POS Data
0527a386.102	POS Data
0527a386.103	POS Data
0527a386.104	POS Data
0527a386.105	POS Data
0527a386.106	POS Data
0527a386.107	POS Data
0527a386.108	POS Data
0527a386.109	POS Data
0527a386.110	POS Data
0527a386.111	POS Data
0527a386.112	POS Data
0527a386.113	POS Data
0527a386.114	POS Data
0527a386.115	POS Data
0527a386.116	POS Data

### Input Files

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

### Output Files

Filename	File type
sbet_220527_A_5060386_nad2011_FINAL.out	SBET Trajectory File

## Rover Data Summary

First raw data file	0527a386.094		
Last raw data file	0527a386.116		
Start GPS week	2211		
Start time	483387.528 (05/27/2022 14:16:27)		
End time	497130.785 (05/27/2022 18:05:30)		
Start of fine alignment	483754.942 (05/27/2022 14:22:34)		
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_220527_A_5060386_nad2011_FINAL.log
IMU Records Processed	2748189
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	6	10	8
Number of GLONASS SV	0	7	5
Number of QZSS SV	0	0	0
Number of BEIDOU SV	0	0	0
Number of GALILEO SV	3	8	6
Total number of SV	15	23	19
PDOP	1.02	1.98	1.21
QC Solution Gaps	1.00	1.00	
Solution Type	Fixed	Float	No solution
Epoch (sec)	13705.00	0.00	10.00
Percentage	99.93	0.00	0.07

## GNSS-Inertial Processor Configuration

Processing mode	IN-Fusion PP-RTX		
Stabilized mount	False		
Processing start time	483388.000 (05/27/2022 14:16:28)		
Processing end time	497130.000 (05/27/2022 18:05:30)		
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	-0.177	-0.944
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