

## General Information

### Mission Information

Project name	220528_A_5060448_nad2011_FINAL
Processing date	2022-06-02 21:03:24
Mission date	2022-05-29 01:07:23
Mission duration	02:01:14.000
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
0528a448.134	POS Data
0528a448.135	POS Data
0528a448.136	POS Data
0528a448.137	POS Data
0528a448.138	POS Data
0528a448.139	POS Data
0528a448.140	POS Data
0528a448.141	POS Data
0528a448.142	POS Data
0528a448.143	POS Data
0528a448.144	POS Data
0528a448.145	POS Data
0528a448.146	POS Data
0528a448.147	POS Data
0528a448.148	POS Data
0528a448.149	POS Data
0528a448.150	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_5060448_nad2011_FINAL.out	SBET Trajectory File

## Rover Data Summary

First raw data file	0528a448.134		
Last raw data file	0528a448.150		
Start GPS week	2212		
Start time	4042.279 (05/29/2022 01:07:22)		
End time	11317.126 (05/29/2022 03:08:37)		
Start of fine alignment	4391.347 (05/29/2022 01:13:11)		
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_5060448_nad2011_FINAL.log
IMU Records Processed	1454718
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	3	10	9
Number of GLONASS SV	5	8	7
Number of QZSS SV	0	0	0
Number of BEIDOU SV	0	2	2
Number of GALILEO SV	0	6	5
Total number of SV	8	24	22
PDOP	0.95	1.74	1.07
QC Solution Gaps	0.00	0.00	
Solution Type	Fixed	Float	No solution
Epoch (sec)	7219.00	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	4043.000 (05/29/2022 01:07:23)		
Processing end time	11317.000 (05/29/2022 03:08:37)		
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)	0.092	-0.152	-1.087
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