

General Information

Mission Information

Project name	220605_A_5060448_nad2011_FINAL
Processing date	2022-06-09 20:41:02
Mission date	2022-06-05 11:56:42
Mission duration	04:43:02.000
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
0605a448.258	POS Data
0605a448.259	POS Data
0605a448.260	POS Data
0605a448.261	POS Data
0605a448.262	POS Data
0605a448.263	POS Data
0605a448.264	POS Data
0605a448.265	POS Data
0605a448.266	POS Data
0605a448.267	POS Data
0605a448.268	POS Data
0605a448.269	POS Data
0605a448.270	POS Data
0605a448.271	POS Data
0605a448.272	POS Data
0605a448.273	POS Data
0605a448.274	POS Data
0605a448.275	POS Data
0605a448.276	POS Data
0605a448.277	POS Data
0605a448.278	POS Data
0605a448.279	POS Data
0605a448.280	POS Data
0605a448.281	POS Data
0605a448.282	POS Data
0605a448.283	POS Data
0605a448.284	POS Data
0605a448.285	POS Data
0605a448.286	POS Data
0605a448.287	POS Data
0605a448.288	POS Data
0605a448.289	POS Data
0605a448.290	POS Data
0605a448.291	POS Data
0605a448.292	POS Data
0605a448.293	POS Data
0605a448.294	POS Data
0605a448.295	POS Data

Input Files

File Name	File Type
Ephm1560.22g	GLONASS Broadcast Ephemeris
Ephm1560.22n	GPS Broadcast Ephemeris

Output Files

Filename	File type
sbt_220605_A_5060448_nad2011_FINAL.out	SBET Trajectory File

Rover Data Summary

First raw data file	0605a448.258		
Last raw data file	0605a448.295		
Start GPS week	2213		
Start time	43001.252 (06/05/2022 11:56:41)		
End time	59984.312 (06/05/2022 16:39:44)		
Start of fine alignment	43459.611 (06/05/2022 12:04:19)		
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_220605_A_5060448_nad2011_FINAL.log
IMU Records Processed	3395968
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	4	10	9
Number of GLONASS SV	3	8	5
Number of QZSS SV	0	0	0
Number of BEIDOU SV	0	0	0
Number of GALILEO SV	6	9	7
Total number of SV	15	24	21
PDOP	0.98	1.67	1.14
QC Solution Gaps	0.00	0.00	
Solution Type	Fixed	Float	No solution
Epoch (sec)	16947.00	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	43002.000 (06/05/2022 11:56:42)		
Processing end time	59984.000 (06/05/2022 16:39:44)		
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)	0.087	-0.162	-1.097
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