Group1	Phone:
site5 K9	Fax:
UTM	

Project file data		**Coordinate System**	
Name:	G:\stn12 g1 k9 wd.vce	Name:	Malaysia RSO Geocentric
Size:	54 KB	Datum:	GDM
Modified:	17/1/2020 9:03:10 AM (UTC:8)	Zone:	RsoGeocentric- (Peninsular)
Time zone:	Malay Peninsula Standard Time	Geoid:	Malaysia Geoid 2004
Reference number:		Vertical datum:	
Description:		Calibrated site:	
Comment 1:			
Comment 2:			
Comment 3:			

Baseline Processing Report

Processing Summary

Observation	From	To	Solution Type	H. Prec. (Meter)	V. Prec. (Meter)	Geodetic Az.	Ellipsoid Dist. (Meter)	ΔHeight (Meter)
HELI --- STN12 (B1)	HELI	STN12	Fixed	0.005	0.029	84°51'55"	1513.601	-11.049

Acceptance Summary

Processed	Passed	Flag	Fail
1	1	0	0

HELI - STN12 (8:55:49 AM-10:07:50 AM) (S1)

Baseline observation:	HELI --- STN12 (B1)
Processed:	17/1/2020 10:01:17 AM
Solution type:	Fixed
Frequency used:	Dual Frequency (L1, L2)
Horizontal precision:	0.005 m
Vertical precision:	0.029 m
RMS:	0.014 m
Maximum PDOP:	3.614
Ephemeris used:	Broadcast
Antenna model:	NGS Absolute
Processing start time:	13/1/2020 8:56:12 AM (Local: UTC+8hr)
Processing stop time:	13/1/2020 10:07:42 AM (Local: UTC+8hr)
Processing duration:	01:11:30
Processing interval:	30 seconds

Vector Components (Mark to Mark)

From:	HELI				
Grid		**Local**		**Global**	
Easting	626723.141 m	**Latitude**	N1°33'29.60107"	**Latitude**	N1°33'29.60107"
Northing	172321.964 m	**Longitude**	E103°38'13.35453"	**Longitude**	E103°38'13.35453"
Elevation	34.455 m	**Height**	42.260 m	**Height**	42.260 m

To:	STN12				
Grid		**Local**		**Global**	
Easting	628230.521 m	**Latitude**	N1°33'34.01118"	**Latitude**	N1°33'34.01118"
Northing	172456.658 m	**Longitude**	E103°39'02.12492"	**Longitude**	E103°39'02.12492"
Elevation	23.348 m	**Height**	31.211 m	**Height**	31.211 m

Vector					
ΔEasting	1507.380 m	**NS Fwd Azimuth**	84°51'55"	**ΔX**	-1461.520 m
ΔNorthing	134.694 m	**Ellipsoid Dist.**	1513.601 m	**ΔY**	-369.920 m
ΔElevation	-11.108 m	**ΔHeight**	-11.049 m	**ΔZ**	135.108 m

Standard Errors

Vector errors:					
σ ΔEasting	0.002 m	**σ NS fwd Azimuth**	0°00'00"	**σ ΔX**	0.004 m
σ ΔNorthing	0.002 m	**σ Ellipsoid Dist.**	0.002 m	**σ ΔY**	0.015 m
σ ΔElevation	0.015 m	**σ ΔHeight**	0.015 m	**σ ΔZ**	0.002 m

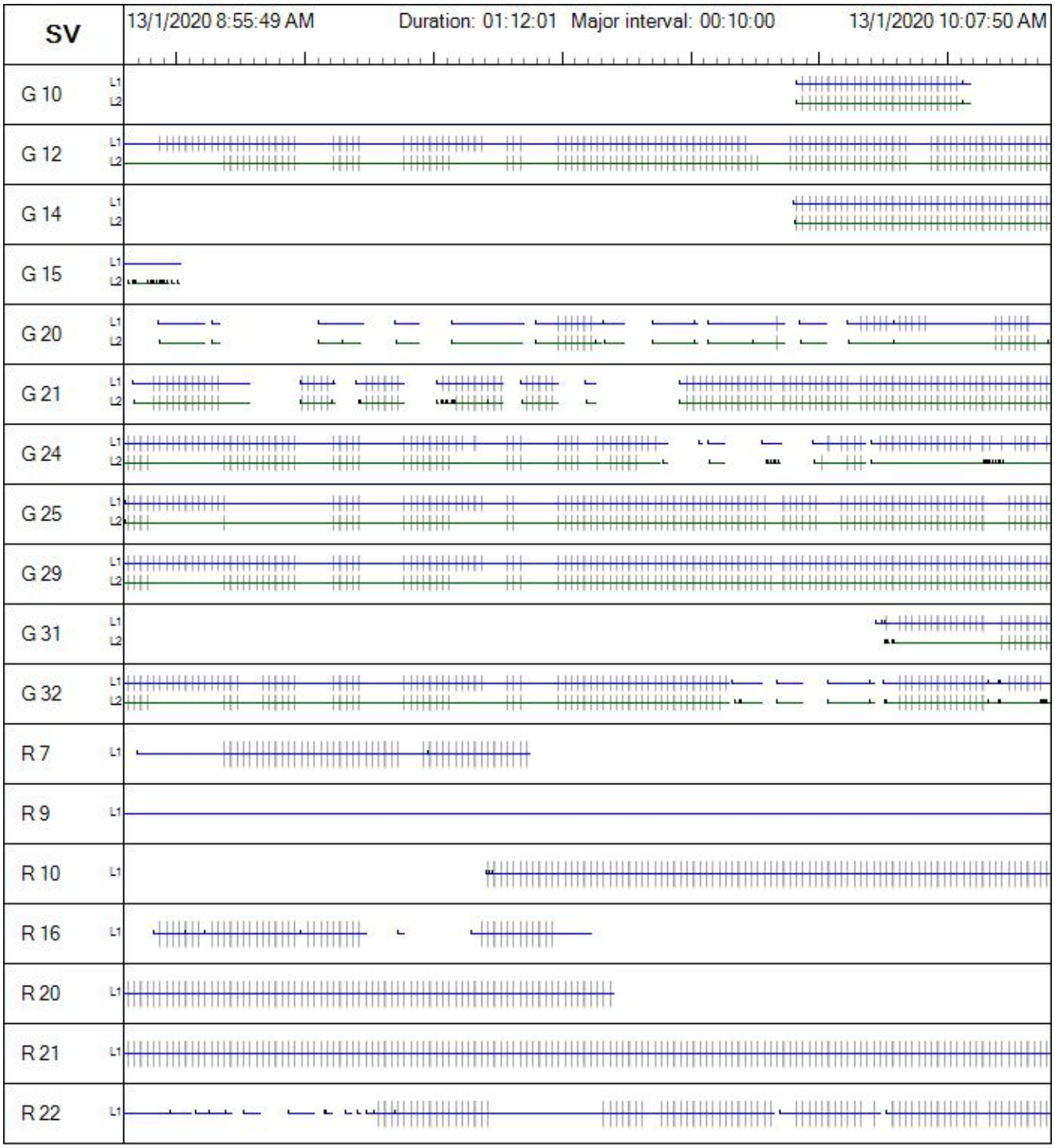
Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0000181125		
Y	-0.0000541195	0.0002124380	
Z	0.0000006328	-0.0000036674	0.0000033947

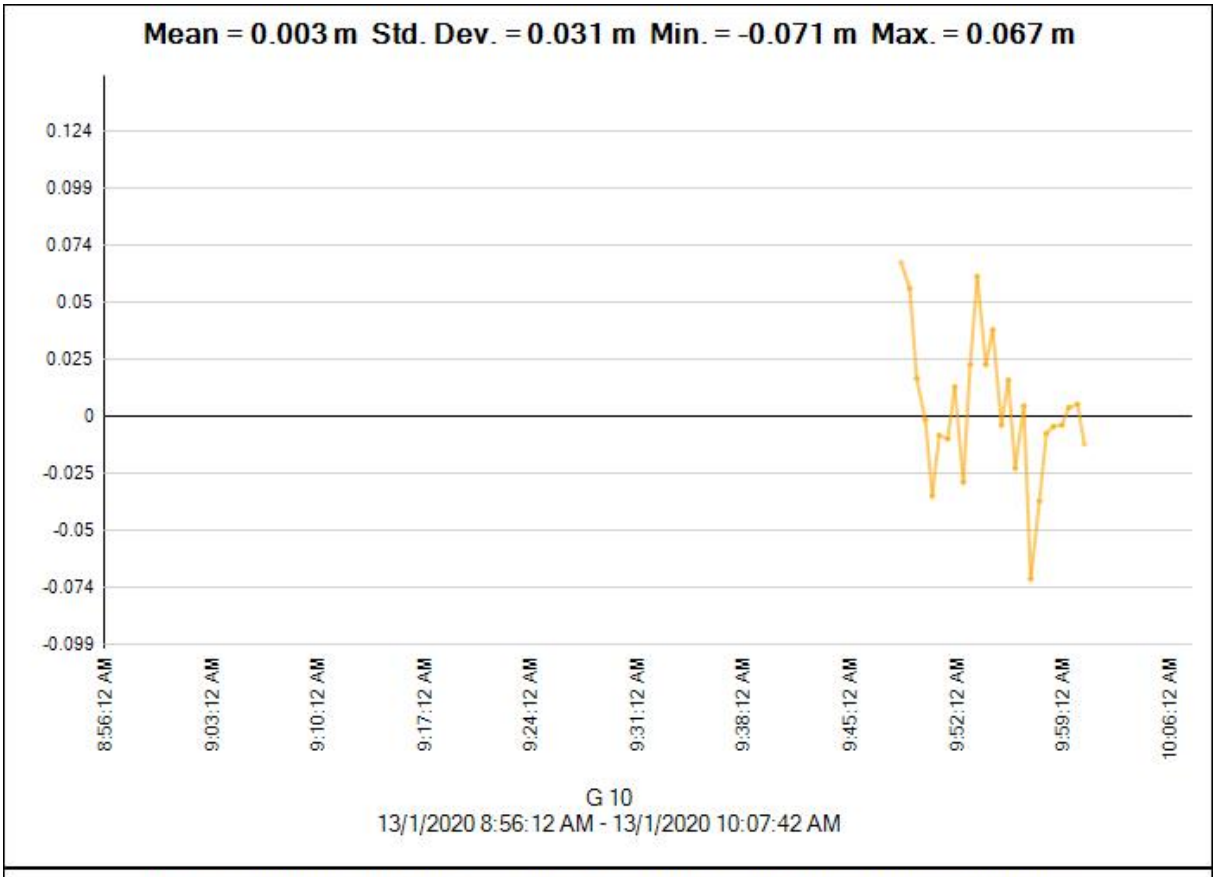
Occupations

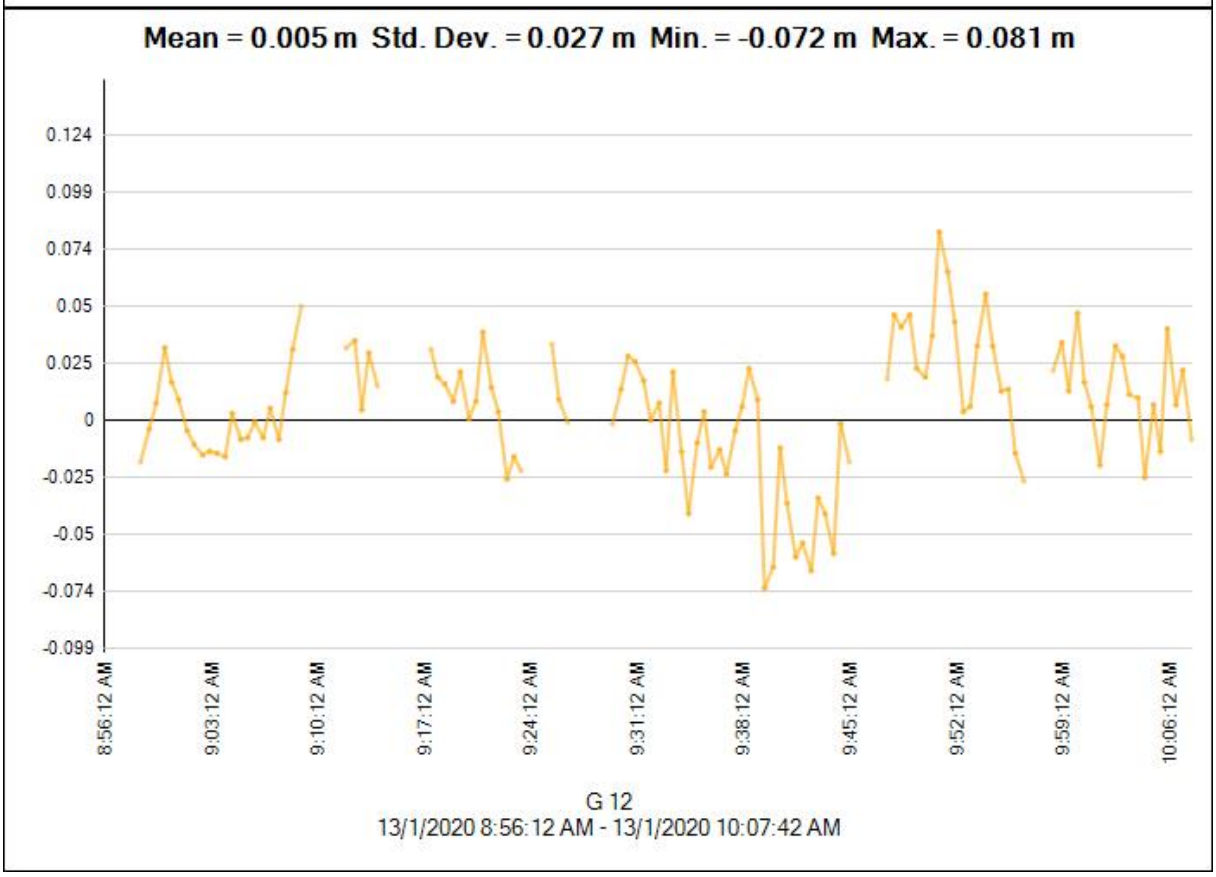
	From	To
Point ID:	HELI	STN12
Data file:	G:\stn12 g1 k9 wd\GPS01a.20O	G:\stn12 g1 k9 wd\GPS03a.20O
Receiver type:	GR5	GR5
Receiver serial number:	SQ7KCZG2HA8	SPWBFY5SMWW
Antenna type:	GR5	GR5
Antenna serial number:	-Unknown-	-Unknown-
Antenna height (measured):	1.090 m	1.286 m
Antenna method:	Antenna Phase Center	Antenna Phase Center

Tracking Summary



Residuals


Mean = 0.003 m Std. Dev. = 0.031 m Min. = -0.071 m Max. = 0.067 m
0.124
0.099
0.074
0.05
0.025
0
-0.025
-0.05
-0.074
-0.099
8:56:12 AM
9:03:12 AM
9:10:12 AM
9:17:12 AM
9:24:12 AM
9:31:12 AM
9:38:12 AM
9:45:12 AM
9:52:12 AM
9:59:12 AM
10:06:12 AM
G 10
13/1/2020 8:56:12 AM - 13/1/2020 10:07:42 AM


Mean = 0.005 m Std. Dev. = 0.027 m Min. = -0.072 m Max. = 0.081 m
0.124
0.099
0.074
0.05
0.025
0
-0.025
-0.05
-0.074
-0.099
8:56:12 AM
9:03:12 AM
9:10:12 AM
9:17:12 AM
9:24:12 AM
9:31:12 AM
9:38:12 AM
9:45:12 AM
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9:59:12 AM
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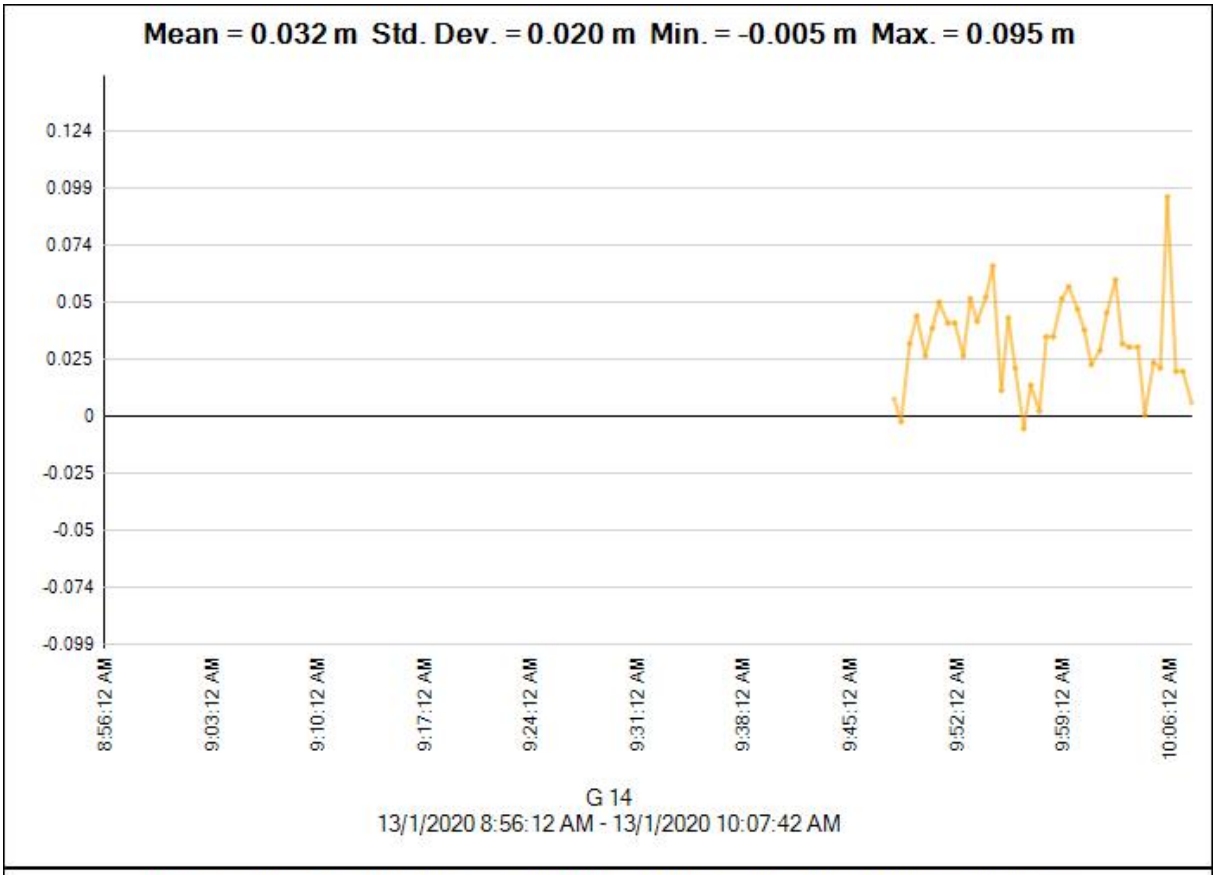
G 12
13/1/2020 8:56:12 AM - 13/1/2020 10:07:42 AM


Mean = 0.032 m Std. Dev. = 0.020 m Min. = -0.005 m Max. = 0.095 m
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0.099
0.074
0.05
0.025
0
-0.025
-0.05
-0.074
-0.099
8:56:12 AM
9:03:12 AM
9:10:12 AM
9:17:12 AM
9:24:12 AM
9:31:12 AM
9:38:12 AM
9:45:12 AM
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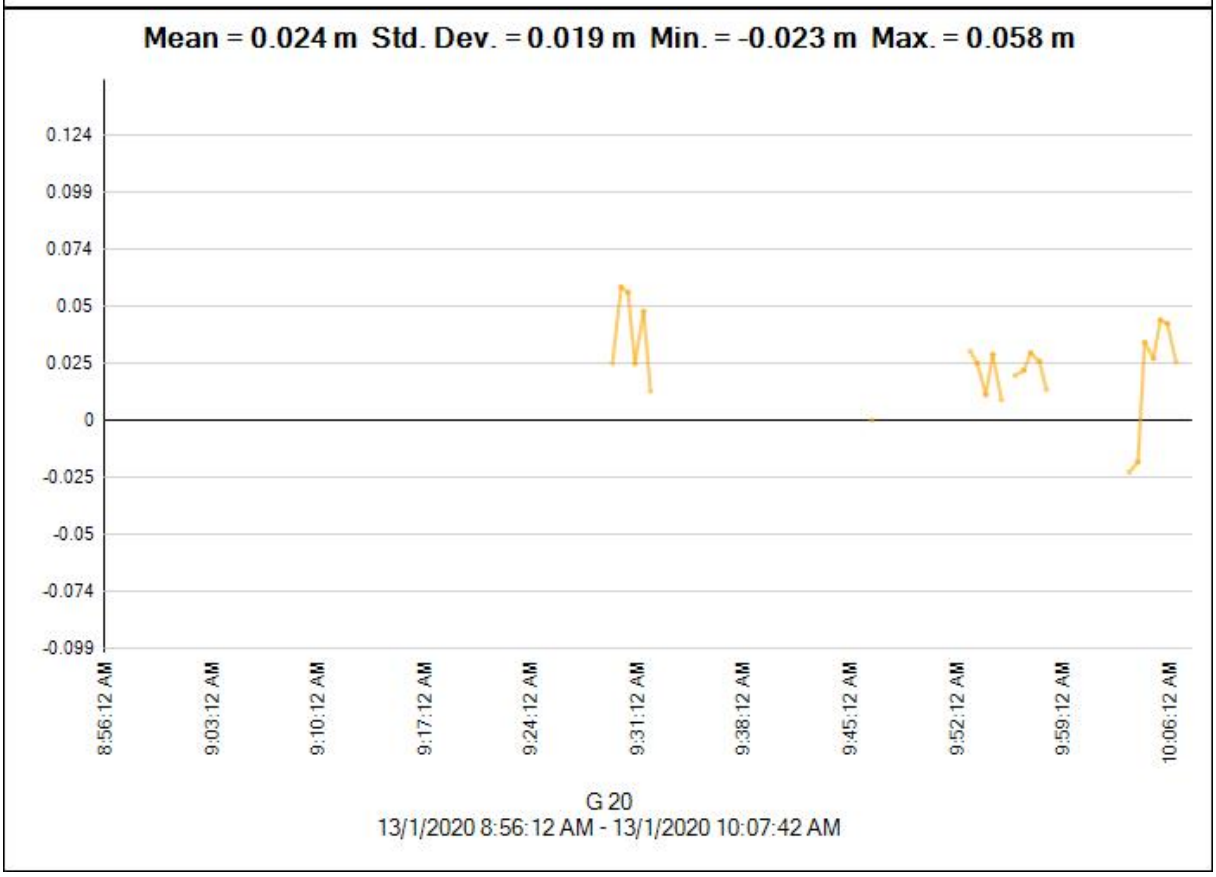
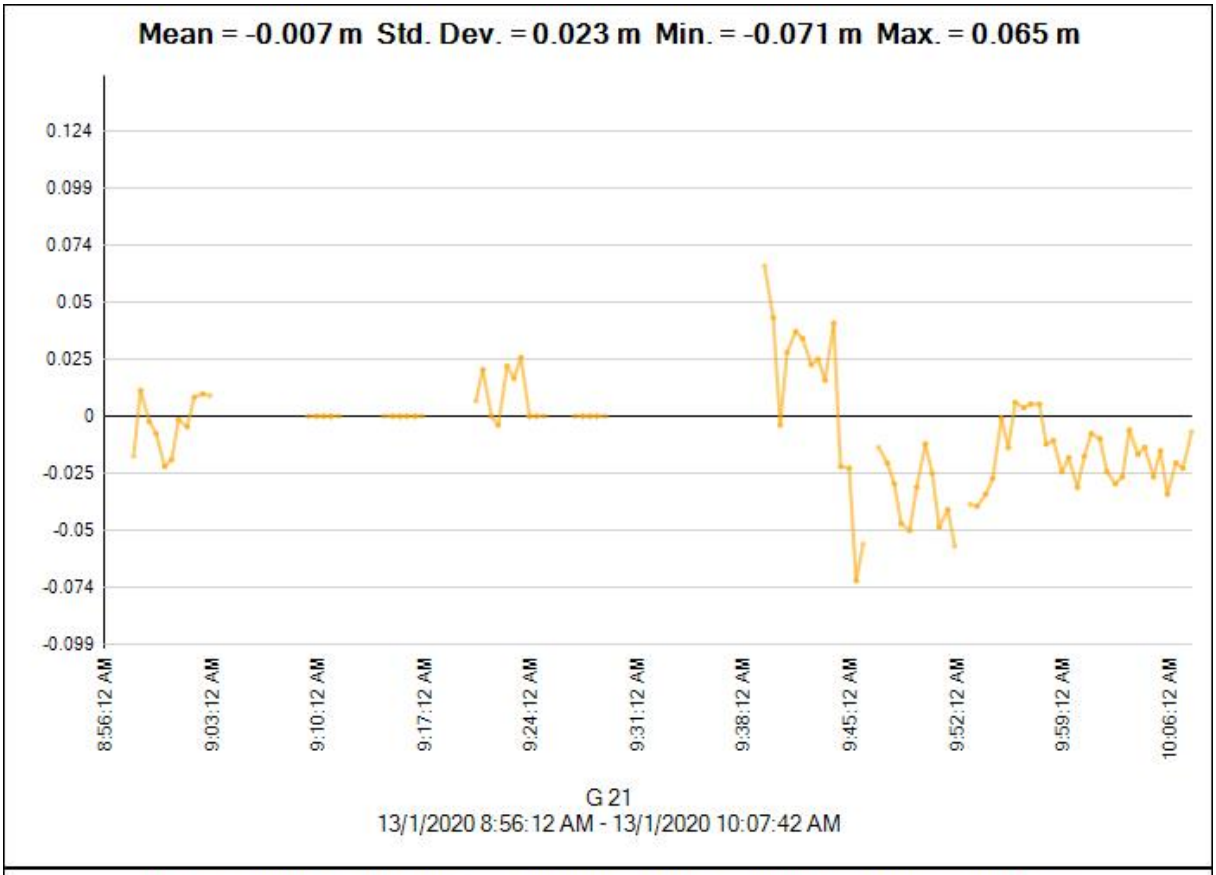
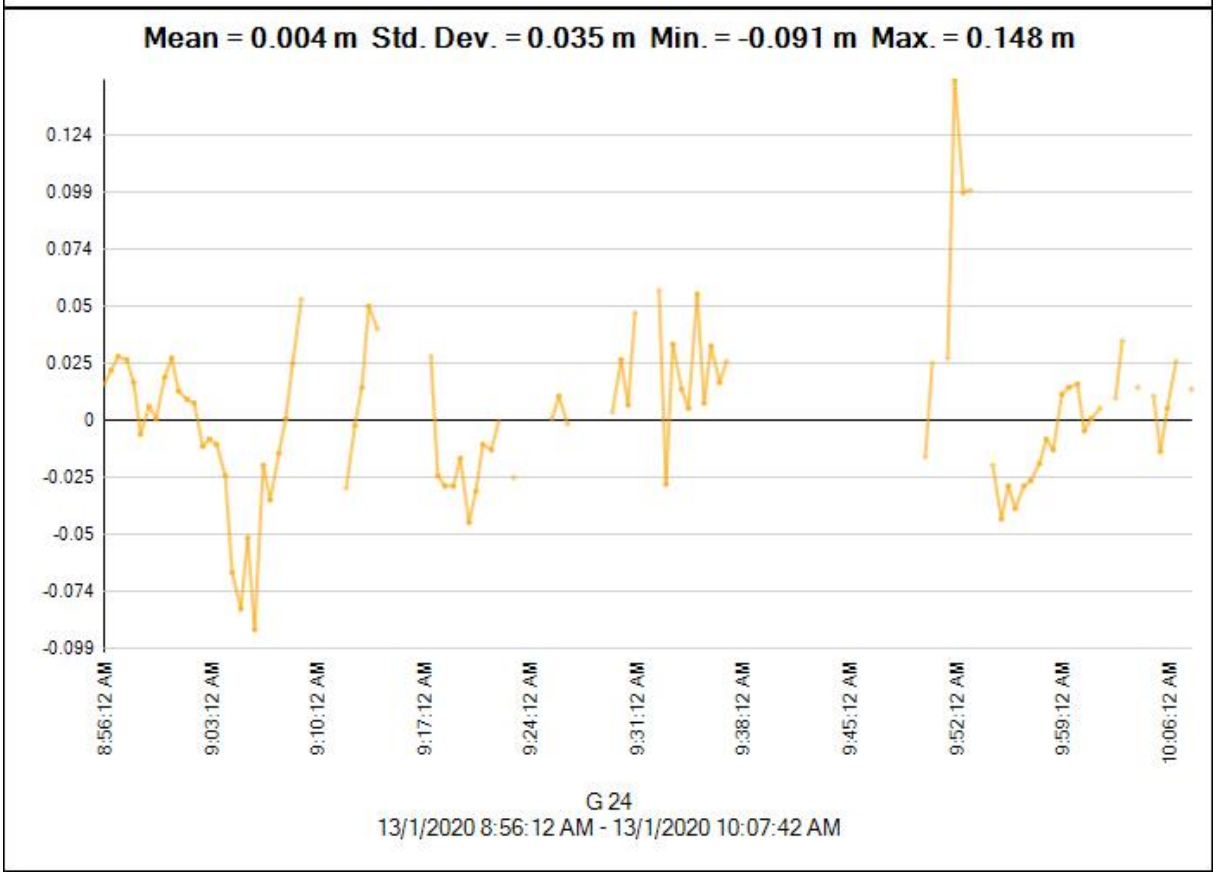
9:59:12 AM
10:06:12 AM
G 14
13/1/2020 8:56:12 AM - 13/1/2020 10:07:42 AM


Mean = 0.024 m Std. Dev. = 0.019 m Min. = -0.023 m Max. = 0.058 m
0.124
0.099
0.074
0.05
0.025
0
-0.025
-0.05
-0.074
-0.099
8:56:12 AM
9:03:12 AM
9:10:12 AM
9:17:12 AM
9:24:12 AM
9:31:12 AM
9:38:12 AM
9:45:12 AM
9:52:12 AM
9:59:12 AM
10:06:12 AM
G 20
13/1/2020 8:56:12 AM - 13/1/2020 10:07:42 AM


Mean = -0.007 m Std. Dev. = 0.023 m Min. = -0.071 m Max. = 0.065 m
0.124
0.099
0.074
0.05
0.025
0
-0.025
-0.05
-0.074
-0.099
8:56:12 AM
9:03:12 AM
9:10:12 AM
9:17:12 AM
9:24:12 AM
9:31:12 AM
9:38:12 AM
9:45:12 AM
9:52:12 AM
9:59:12 AM
10:06:12 AM
G 21
13/1/2020 8:56:12 AM - 13/1/2020 10:07:42 AM


Mean = 0.004 m Std. Dev. = 0.035 m Min. = -0.091 m Max. = 0.148 m
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0.099
0.074
0.05
0.025
0
-0.025
-0.05
-0.074
-0.099
8:56:12 AM
9:03:12 AM
9:10:12 AM
9:17:12 AM
9:24:12 AM
9:31:12 AM
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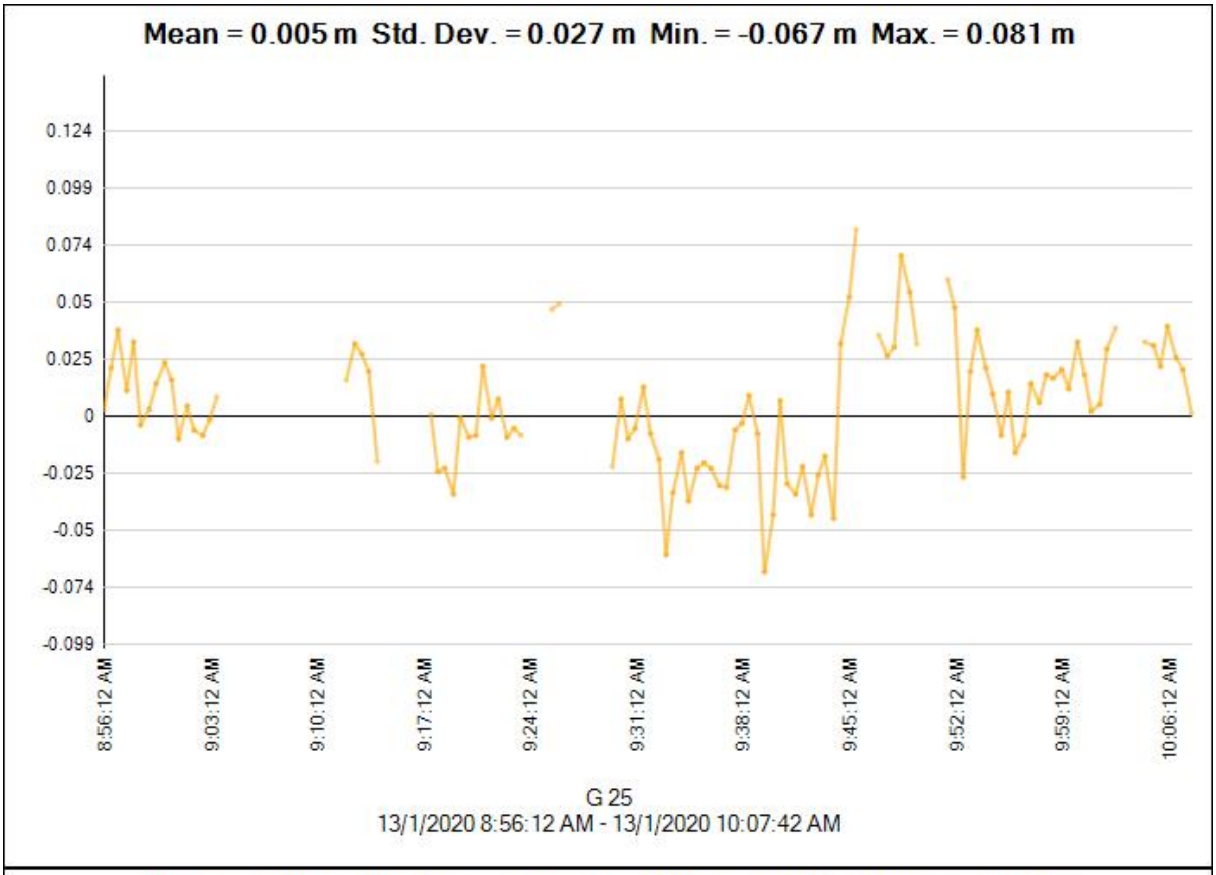
9:59:12 AM
10:06:12 AM
G 24
13/1/2020 8:56:12 AM - 13/1/2020 10:07:42 AM


Mean = 0.005 m Std. Dev. = 0.027 m Min. = -0.067 m Max. = 0.081 m
0.124
0.099
0.074
0.05
0.025
0
-0.025
-0.05
-0.074
-0.099
8:56:12 AM
9:03:12 AM
9:10:12 AM
9:17:12 AM
9:24:12 AM
9:31:12 AM
9:38:12 AM
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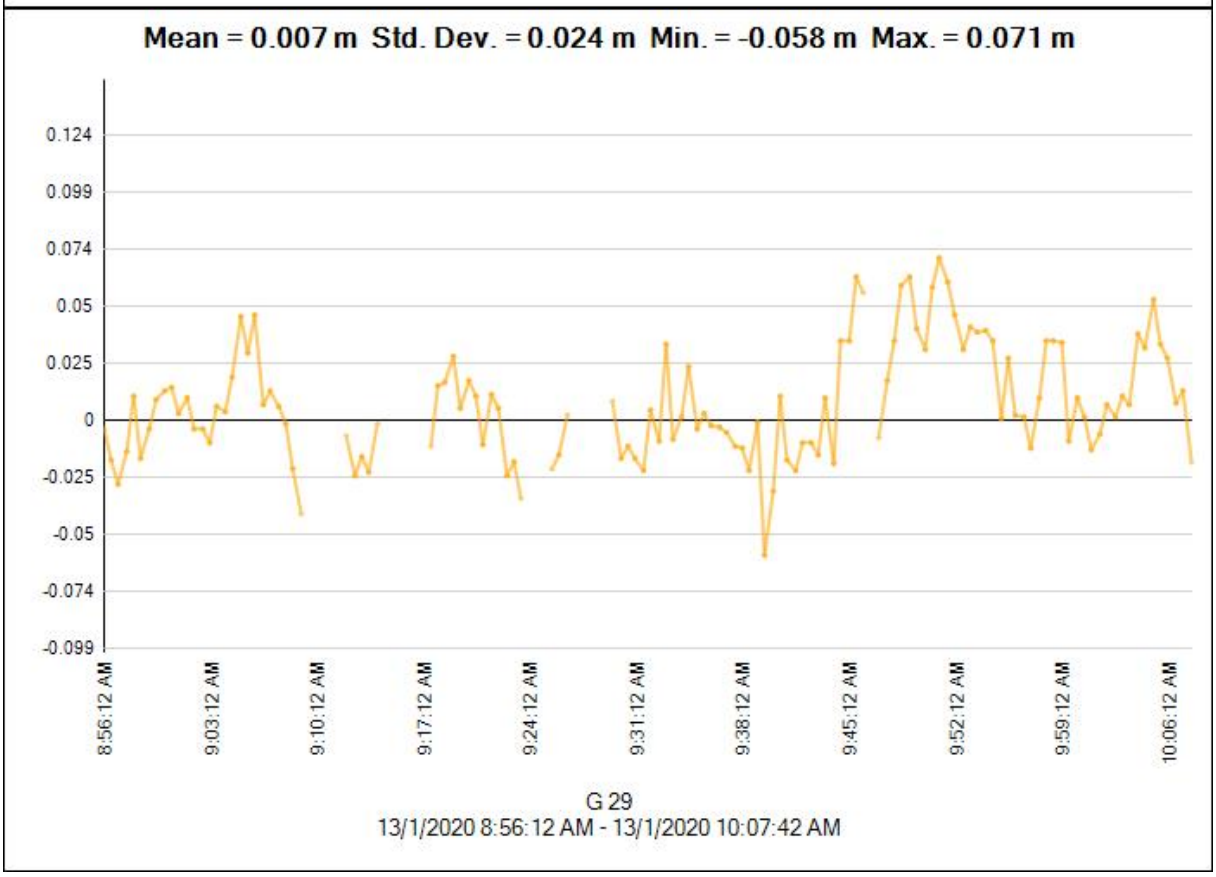
G 25
13/1/2020 8:56:12 AM - 13/1/2020 10:07:42 AM


Mean = 0.007 m Std. Dev. = 0.024 m Min. = -0.058 m Max. = 0.071 m
0.124
0.099
0.074
0.05
0.025
0
-0.025
-0.05
-0.074
-0.099
8:56:12 AM
9:03:12 AM
9:10:12 AM
9:17:12 AM
9:24:12 AM
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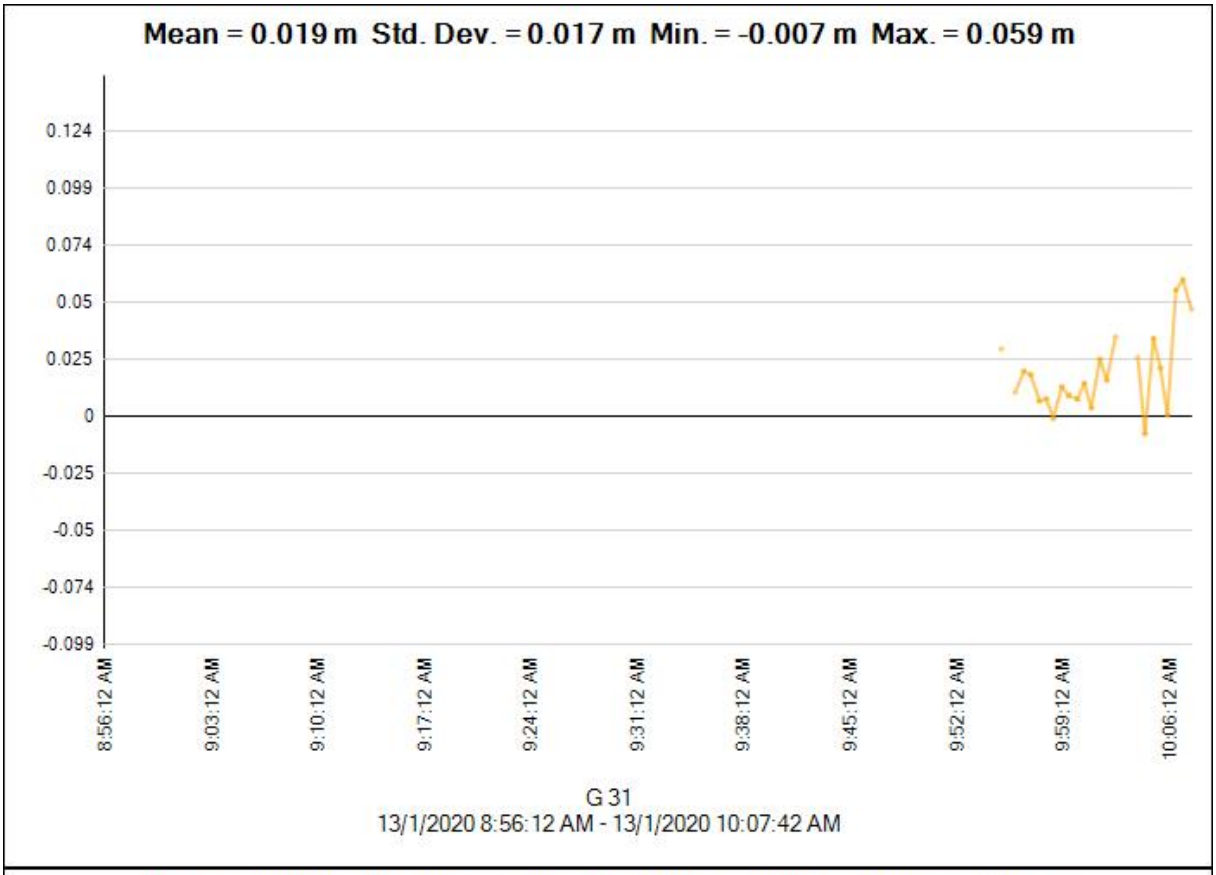
G 29
13/1/2020 8:56:12 AM - 13/1/2020 10:07:42 AM


Mean = 0.019 m Std. Dev. = 0.017 m Min. = -0.007 m Max. = 0.059 m
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0.099
0.074
0.05
0.025
0
-0.025
-0.05
-0.074
-0.099
8:56:12 AM
9:03:12 AM
9:10:12 AM
9:17:12 AM
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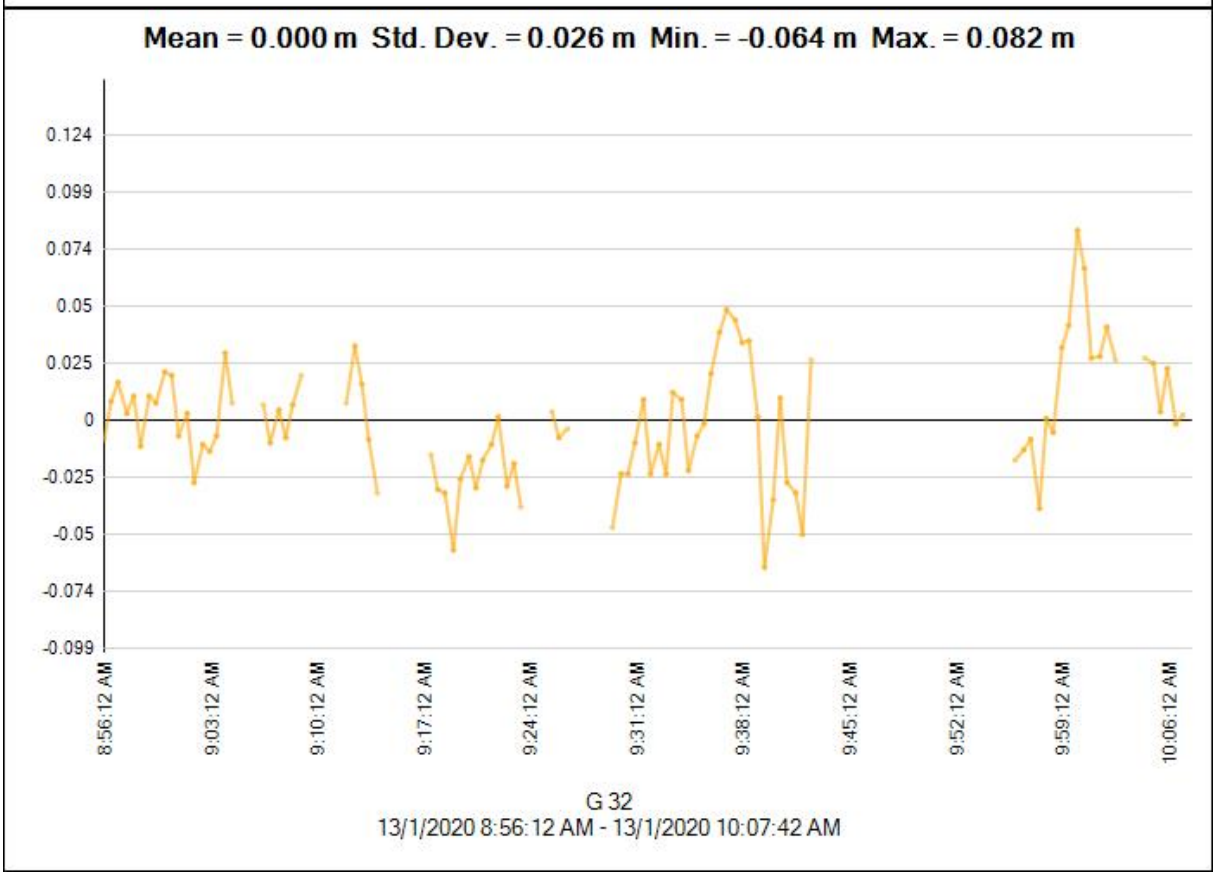
9:59:12 AM
10:06:12 AM
G 31
13/1/2020 8:56:12 AM - 13/1/2020 10:07:42 AM


Mean = 0.000 m Std. Dev. = 0.026 m Min. = -0.064 m Max. = 0.082 m
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0.099
0.074
0.05
0.025
0
-0.025
-0.05
-0.074
-0.099
8:56:12 AM
9:03:12 AM
9:10:12 AM
9:17:12 AM
9:24:12 AM
9:31:12 AM
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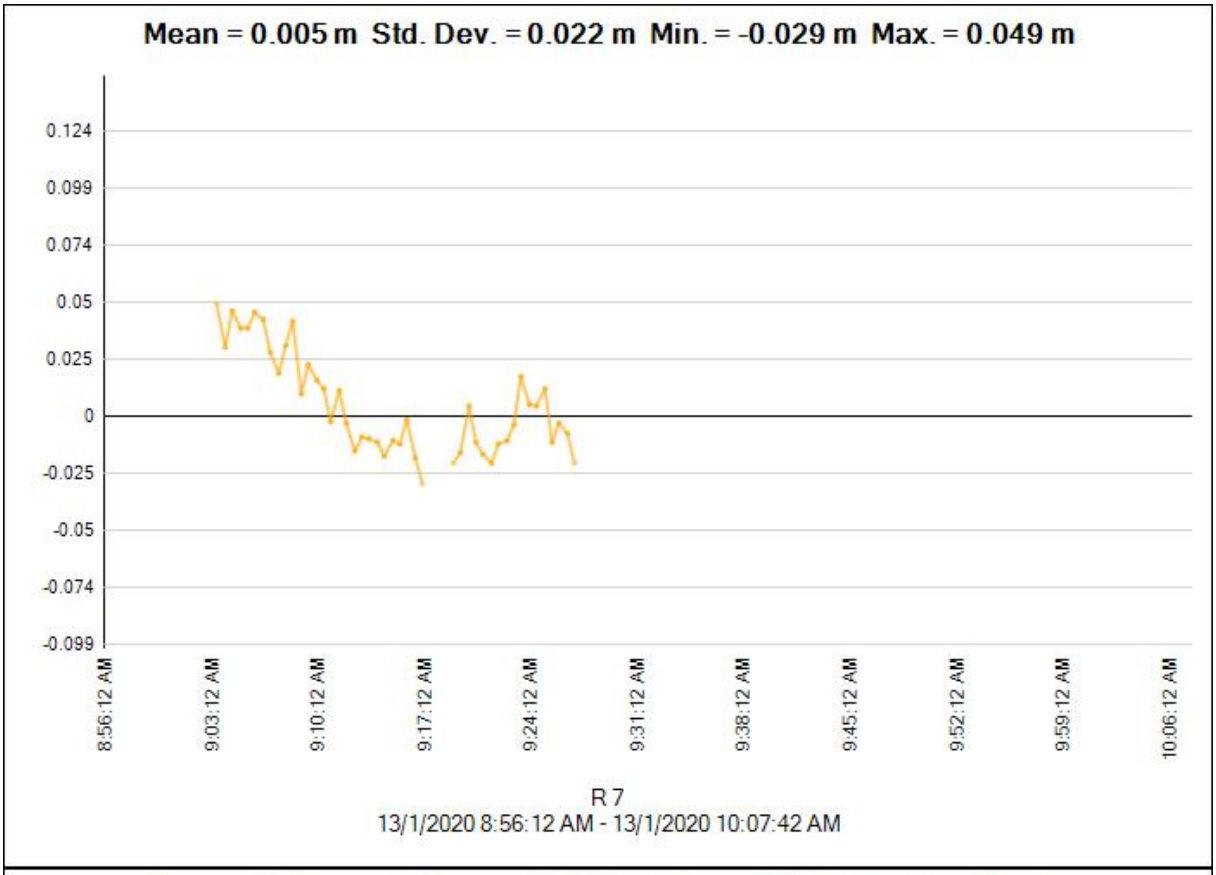
9:59:12 AM
10:06:12 AM
G 32
13/1/2020 8:56:12 AM - 13/1/2020 10:07:42 AM


Mean = 0.005 m Std. Dev. = 0.022 m Min. = -0.029 m Max. = 0.049 m
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0.099
0.074
0.05
0.025
0
-0.025
-0.05
-0.074
-0.099
8:56:12 AM
9:03:12 AM
9:10:12 AM
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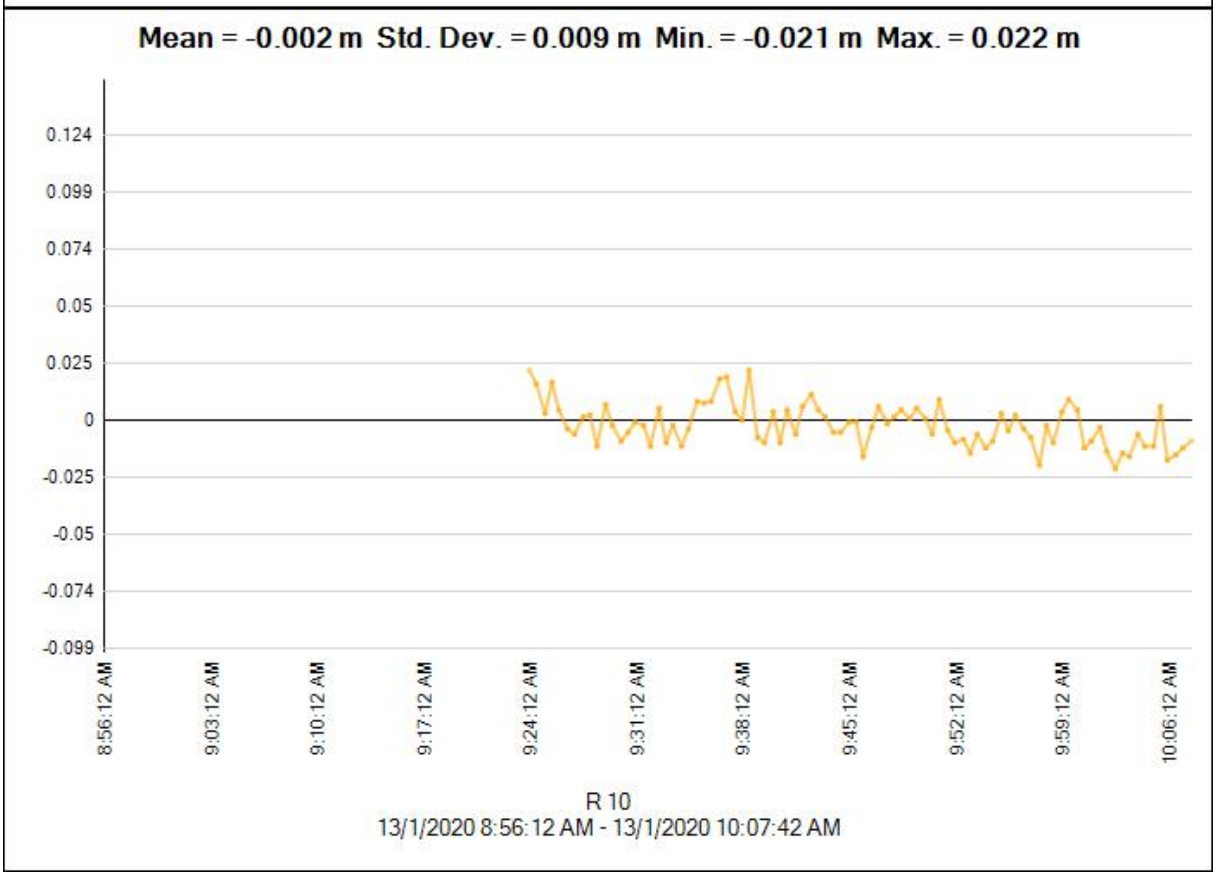
9:45:12 AM
9:52:12 AM
9:59:12 AM
10:06:12 AM
R 7
13/1/2020 8:56:12 AM - 13/1/2020 10:07:42 AM


Mean = -0.002 m Std. Dev. = 0.009 m Min. = -0.021 m Max. = 0.022 m
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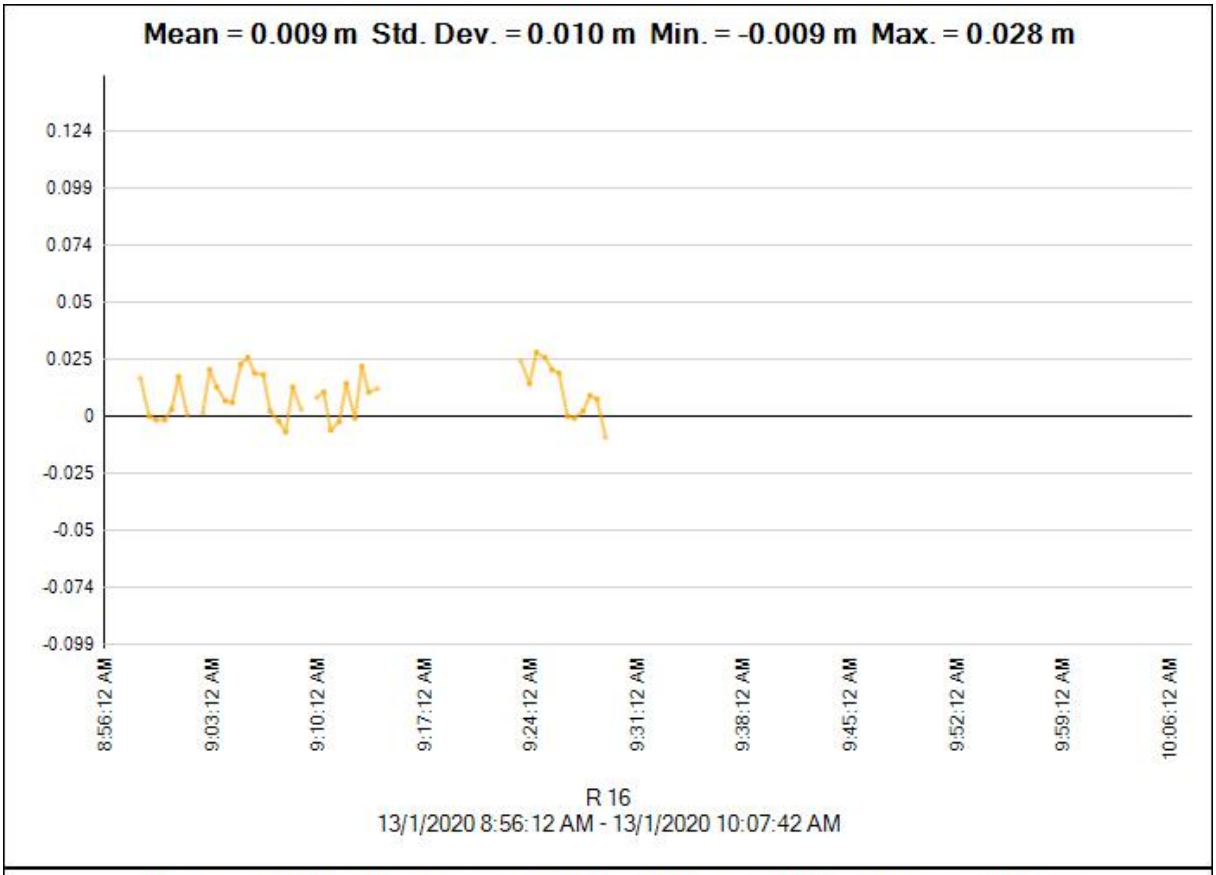
0.099
0.074
0.05
0.025
0
-0.025
-0.05
-0.074
-0.099
8:56:12 AM
9:03:12 AM
9:10:12 AM
9:17:12 AM
9:24:12 AM
9:31:12 AM
9:38:12 AM
9:45:12 AM
9:52:12 AM
9:59:12 AM
10:06:12 AM
R 10
13/1/2020 8:56:12 AM - 13/1/2020 10:07:42 AM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0.099
0.074
0.05
0.025
0
-0.025
-0.05
-0.074
-0.099
8:56:12 AM
9:03:12 AM
9:10:12 AM
9:17:12 AM
9:24:12 AM
9:31:12 AM
9:38:12 AM
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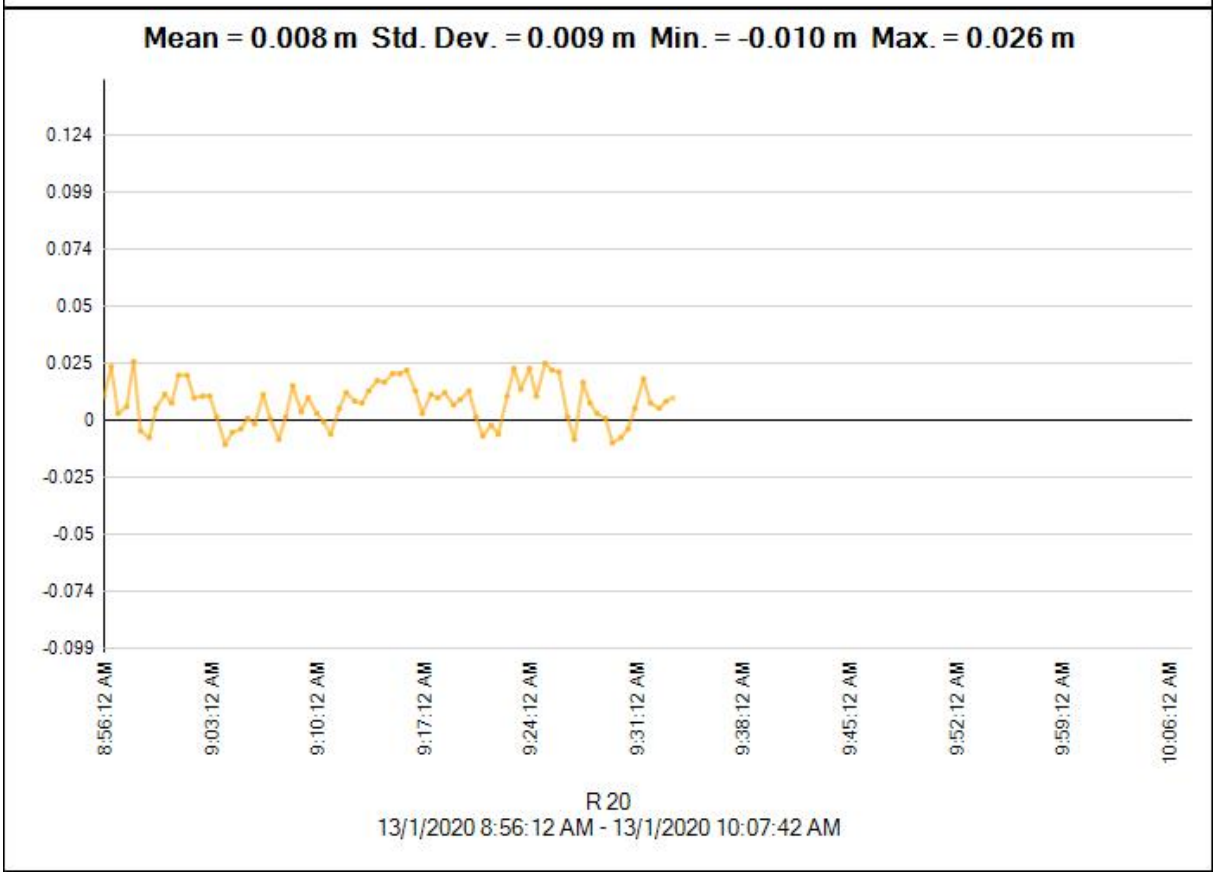
9:59:12 AM
10:06:12 AM
R 16
13/1/2020 8:56:12 AM - 13/1/2020 10:07:42 AM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0.099
0.074
0.05
0.025
0
-0.025
-0.05
-0.074
-0.099
8:56:12 AM
9:03:12 AM
9:10:12 AM
9:17:12 AM
9:24:12 AM
9:31:12 AM
9:38:12 AM
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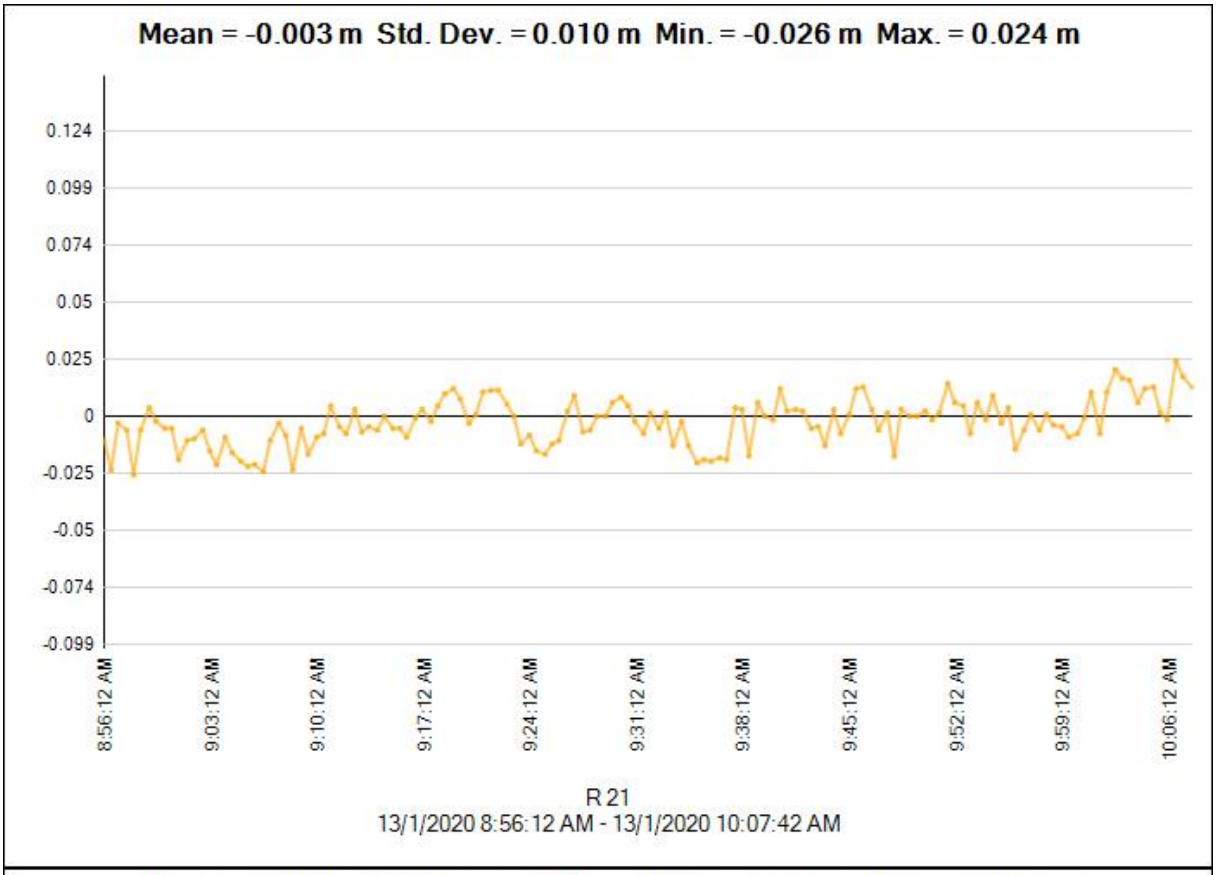
R 20
13/1/2020 8:56:12 AM - 13/1/2020 10:07:42 AM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0.099
0.074
0.05
0.025
0
-0.025
-0.05
-0.074
-0.099
8:56:12 AM
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9:10:12 AM
9:17:12 AM
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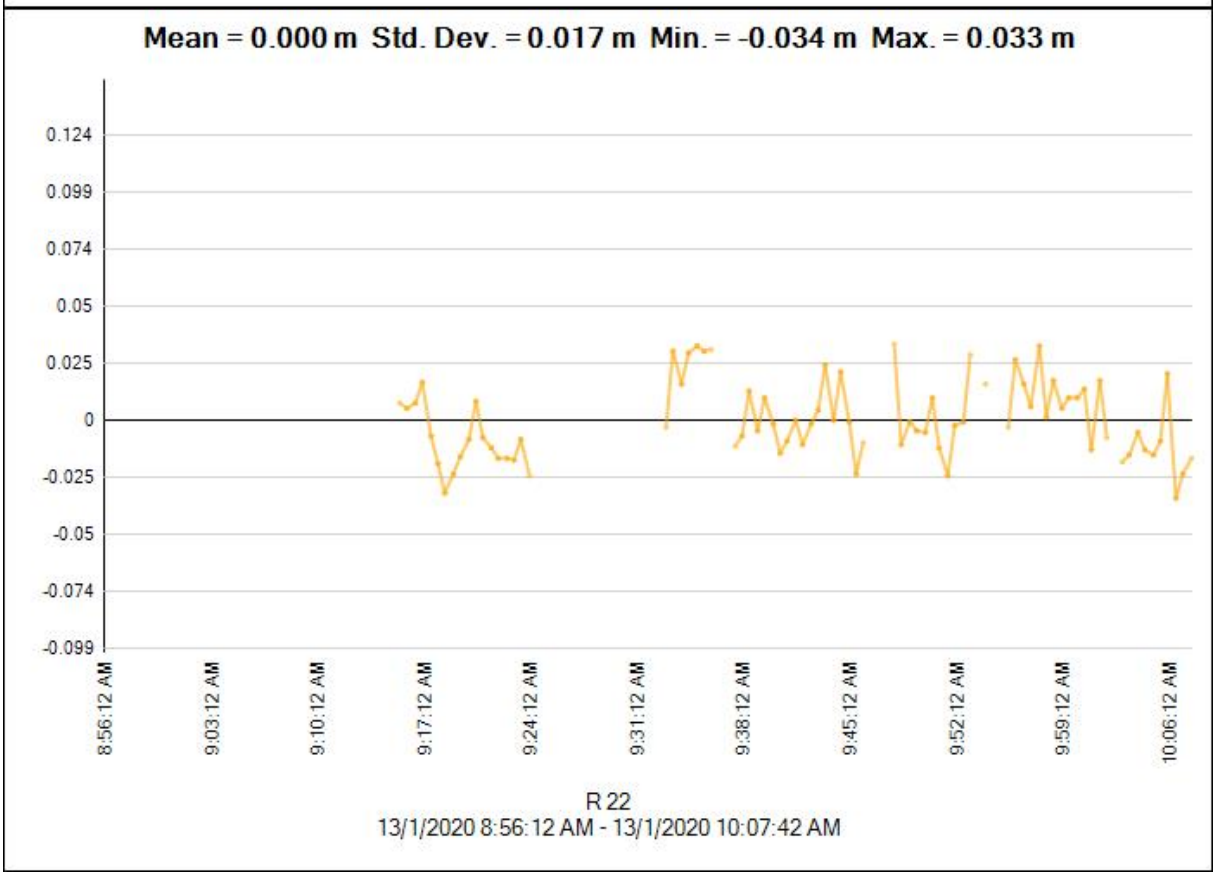
R 21
13/1/2020 8:56:12 AM - 13/1/2020 10:07:42 AM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0.05
0.025
0
-0.025
-0.05
-0.074
-0.099
8:56:12 AM
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9:10:12 AM
9:17:12 AM
9:24:12 AM
9:31:12 AM
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9:45:12 AM
9:52:12 AM
9:59:12 AM
10:06:12 AM
R 22
13/1/2020 8:56:12 AM - 13/1/2020 10:07:42 AM

Processing style

Elevation mask:	12°00'00.0"
Auto start processing:	Yes
Start automatic ID numbering:	AUTO0001
Continuous vectors:	No
Generate residuals:	Yes
Antenna model:	Automatic
Ephemeris type:	Automatic
Frequency:	Multiple Frequencies
Processing Interval:	Automatic
Force float:	No
GIS processing type:	Automatic Carrier and Code Processing

Acceptance Criteria

Vector Component	Flag	Fail
Horizontal Precision >	0.050 m + 1.000 ppm	0.100 m + 1.000 ppm
Vertical Precision >	0.100 m + 1.000 ppm	0.200 m + 1.000 ppm