

Uitvoering controle meting

Op 12 mei 2016 is er een controle uitgevoerd op de CORS SRZN. Er zijn drie punten statisch en RTK gemeten. Er is tijdens de statische meting gebruik gemaakt van een NetR9 (GPS/GNSS ontvanger) waarbij er bij elk punt 20 minuten lang data is gelogd. Deze punten zijn uitgerekend met de processing software "Trimble Business Center", t.o.v. CORS PMB1 en CORS SRZN.

Het idee hierachter is dat bij het verwerken van deze punten t.o.v. station SRZN en t.o.v. station PMB1 er minimale verschil moet zijn in resultaat.

In de onderstaande tabel zijn de statische meetresultaten verwerkt.

BaseLine	Easting	Northing	Elevation	Baseline Lenght
PMB1 → Punt01	700024.957	618330.860	-28.633	26.762 km
SRZN → Punt01	700024.935	618330.862	-28.754	15.033 km
Verschil	0.22 m	0.02 m		
BaseLine	Easting	Northing	Elevation	Baseline Lenght
PMB1 → Punt02	700000.414	618207.963	-28.798	26.887 km
SRZN → Punt02	700000.399	618207.965	-28.933	14.908 km
Verschil	0.15 m	0.02 m		
BaseLine	Easting	Northing	Elevation	Baseline Lenght
PMB1 → Punt03	700024.305	618145.075	-28.918	26.944 km
SRZN → Punt03	700024.289	618145.076	-29.055	14.847 km
Verschil	0.16 m	0.01 m		

De RTK (NTRIP) metingen zijn uitgevoerd t.o.v CORS PMB1 en t.o.v CORS SRZN voor controle. In de onderstaande tabel zijn de RTK meetgegevens (uit de controller) te zien.

BaseLine	Easting	Northing	Elevation	Baseline Lenght
PMB1 → Punt01	700024.975	618330.899	-28.598	26.762 km
SRZN → Punt01	700024.961	618330.883	-28.705	15.033 km
Verschil	0.14 m	0.16 m		
BaseLine	Easting	Northing	Elevation	Baseline Lenght
PMB1 → Punt02	700000.42	618207.94	-28.884	26.887 km
SRZN → Punt02	700000.42	618207.967	-28.887	14.908 km
Verschil	0.00 m	0.27 m		
BaseLine	Easting	Northing	Elevation	Baseline Lenght
PMB1 → Punt03	700024.335	618145.081	-28.825	26.944 km
SRZN → Punt03	700024.315	618145.073	-28.975	14.847 km
Verschil	0.20 m	0.08 m		

Conclusie:

Op basis van de bovenstaande resultaten kan er geconcludeerd worden dat de coördinaten van het station SRZN goed zijn bevonden.

In de bijlagen treft u de baseline processing rapporten van de statische metingen en de ruwe data.

Project file data		Coordinate System	
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Modified:	8/8/2016 9:19:24 AM (UTC:-3)	Zone:	21 North (57W)
Time zone:	Argentina Standard Time	Geoid:	
Reference number:		Vertical datum:	
Description:			
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)	Δ Height (Meter)
PMB1 --- Punt01 (B9)	PMB1	Punt01	Fixed	0.008	0.010	191°47'00"	26759.542	0.601

Acceptance Summary

Processed	Passed	Flag		Fail	
1	1	0		0	

PMB1 - Punt01 (Invalid leap seconds-Invalid leap seconds) (S3)

Baseline observation:	PMB1 --- Punt01 (B9)
Processed:	Invalid leap seconds
Solution type:	Fixed
Frequency used:	Dual Frequency (L1, L2)
Horizontal precision:	0.008 m
Vertical precision:	0.010 m
RMS:	0.016 m
Maximum PDOP:	1.772
Ephemeris used:	Broadcast
Antenna model:	NGS Absolute
Processing start time:	Invalid leap seconds (Local: UTC-3hr)
Processing stop time:	Invalid leap seconds (Local: UTC-3hr)
Processing duration:	00:22:22
Processing interval:	1 second

Vector Components (Mark to Mark)

From: PMB1					
Grid		Local		Global	
Easting	705405.696 m	Latitude	N5°49'41.37586"	Latitude	N5°49'41.37586"
Northing	644546.816 m	Longitude	W55°08'41.50770"	Longitude	W55°08'41.50770"
Elevation	-29.234 m	Height	-29.234 m	Height	-29.234 m

To: Punt01					
Grid		Local		Global	
Easting	700024.957 m	Latitude	N5°35'28.59390"	Latitude	N5°35'28.59390"
Northing	618330.860 m	Longitude	W55°11'39.06830"	Longitude	W55°11'39.06830"
Elevation	-28.633 m	Height	-28.633 m	Height	-28.633 m

Vector					
Δ Easting	-5380.739 m	NS Fwd Azimuth	191°47'00"	Δ X	-2995.788 m
Δ Northing	-26215.957 m	Ellipsoid Dist.	26759.542 m	Δ Y	-5260.207 m
Δ Elevation	0.601 m	Δ Height	0.601 m	Δ Z	-26065.705 m

Standard Errors

Vector errors:

$\sigma \Delta$ Easting	0.003 m	σ NS fwd Azimuth	0°00'00"	$\sigma \Delta$ X	0.004 m
$\sigma \Delta$ Northing	0.002 m	σ Ellipsoid Dist.	0.002 m	$\sigma \Delta$ Y	0.004 m
$\sigma \Delta$ Elevation	0.005 m	$\sigma \Delta$ Height	0.005 m	$\sigma \Delta$ Z	0.002 m

Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0000172020		
Y	-0.0000086838	0.0000181094	
Z	0.0000012480	-0.0000033764	0.0000056825

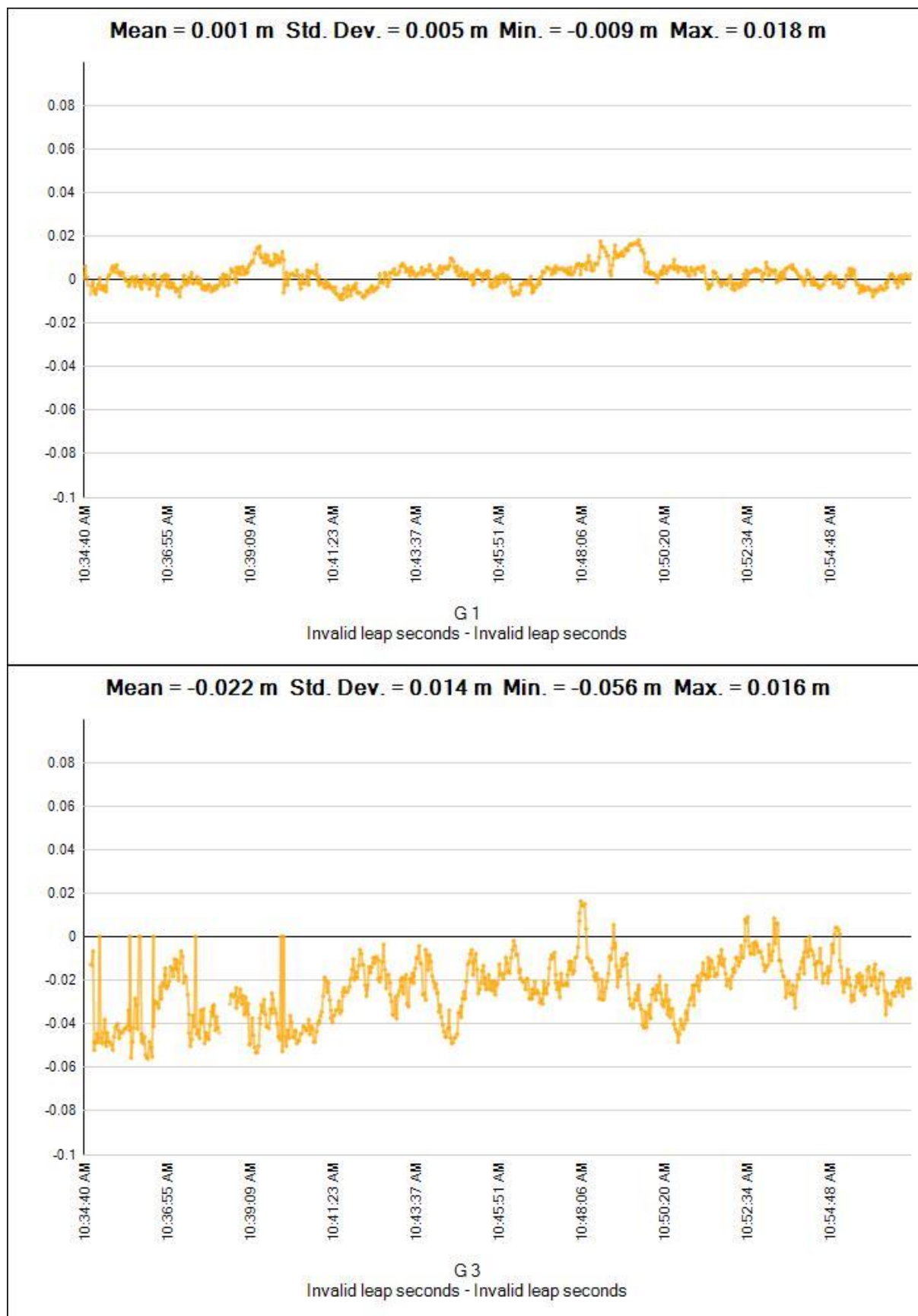
Occupations

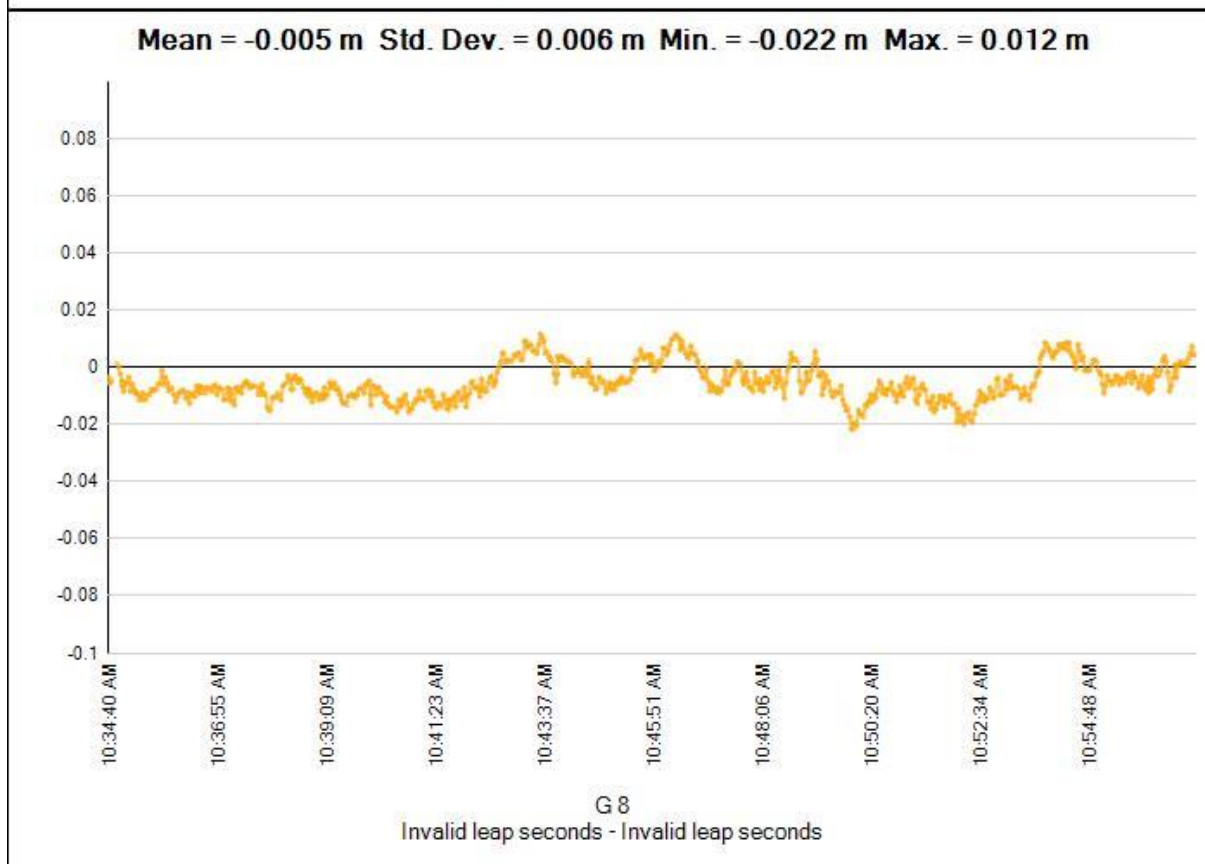
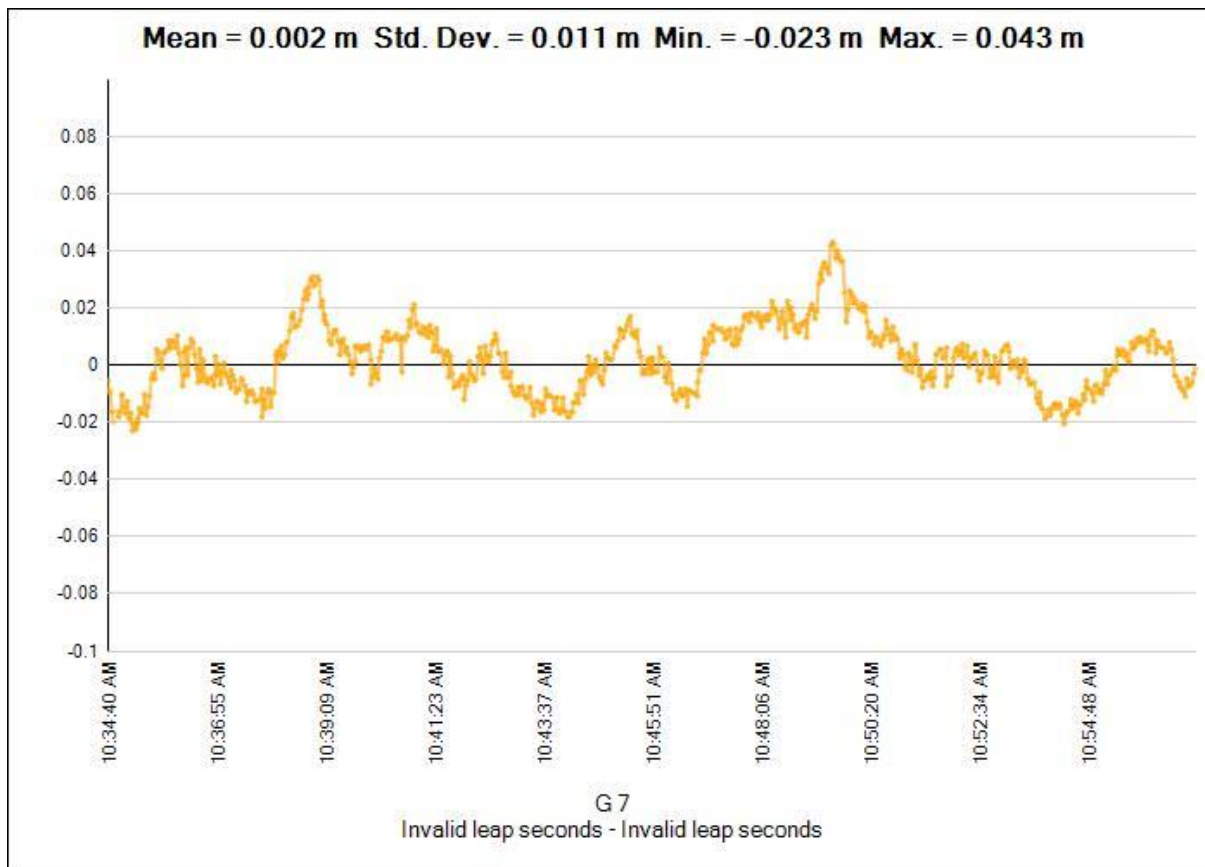
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Receiver type:	NetR5	NetR9
Receiver serial number:	5024K68390	5443R50003
Antenna type:	Zephyr Geodetic 2 RoHS	Zephyr Geodetic 2 RoHS
Antenna serial number:	00000000	-----
Antenna height (measured):	0.000 m	1.491 m
Antenna method:	Bottom of antenna mount	Bottom of antenna mount

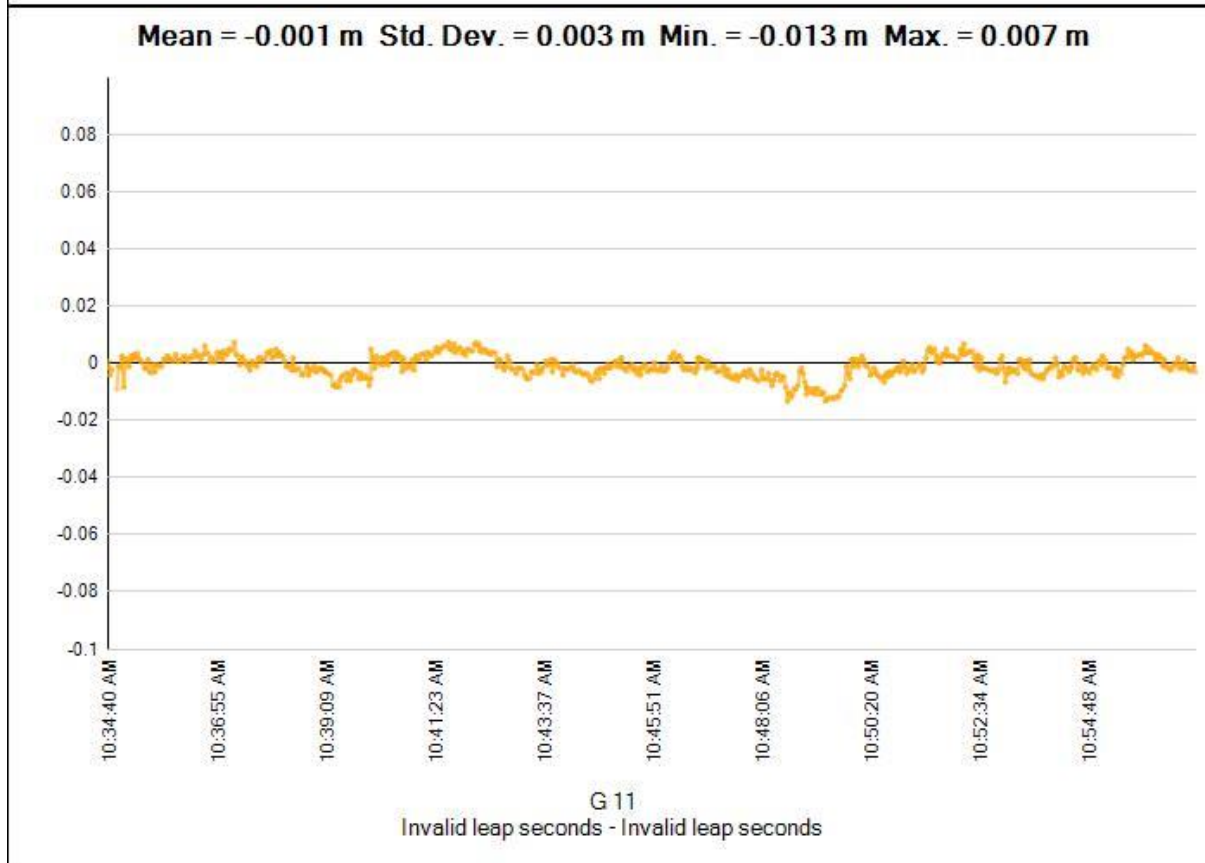
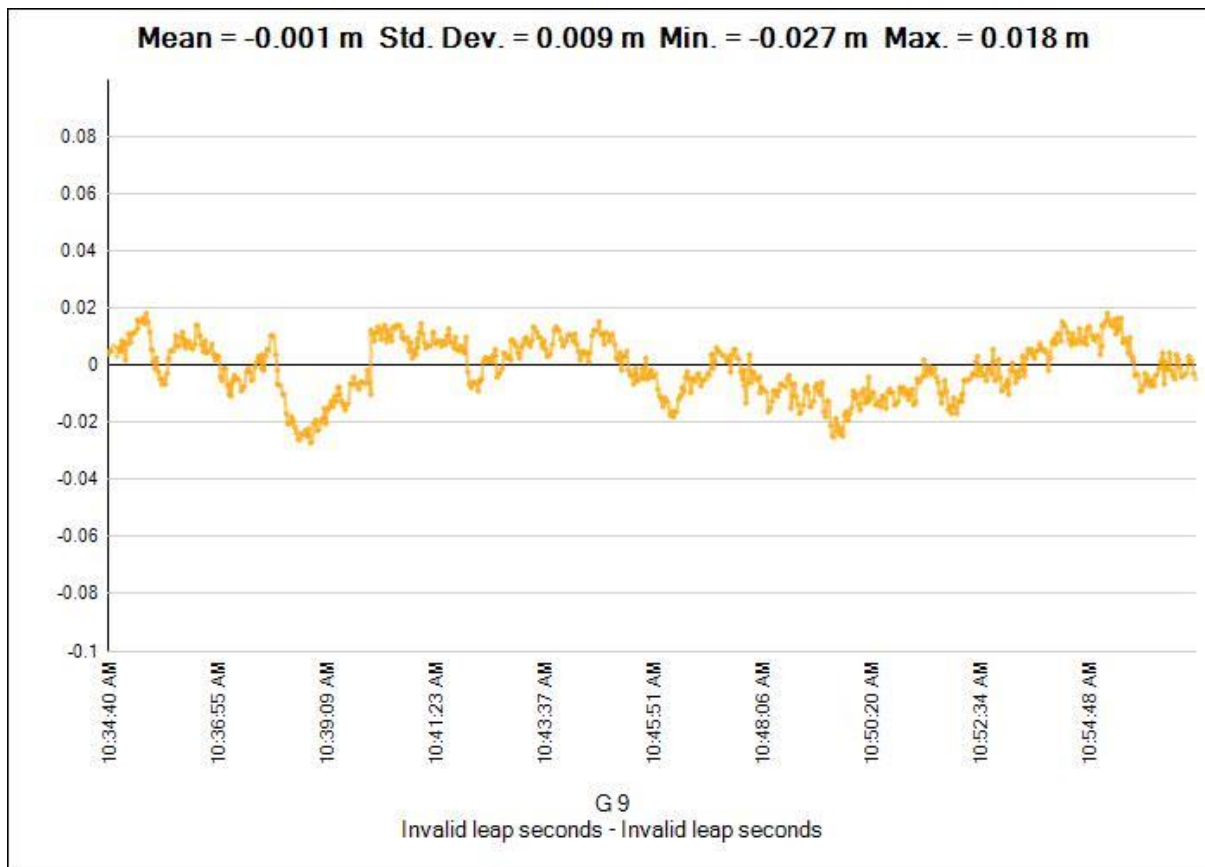
Tracking Summary

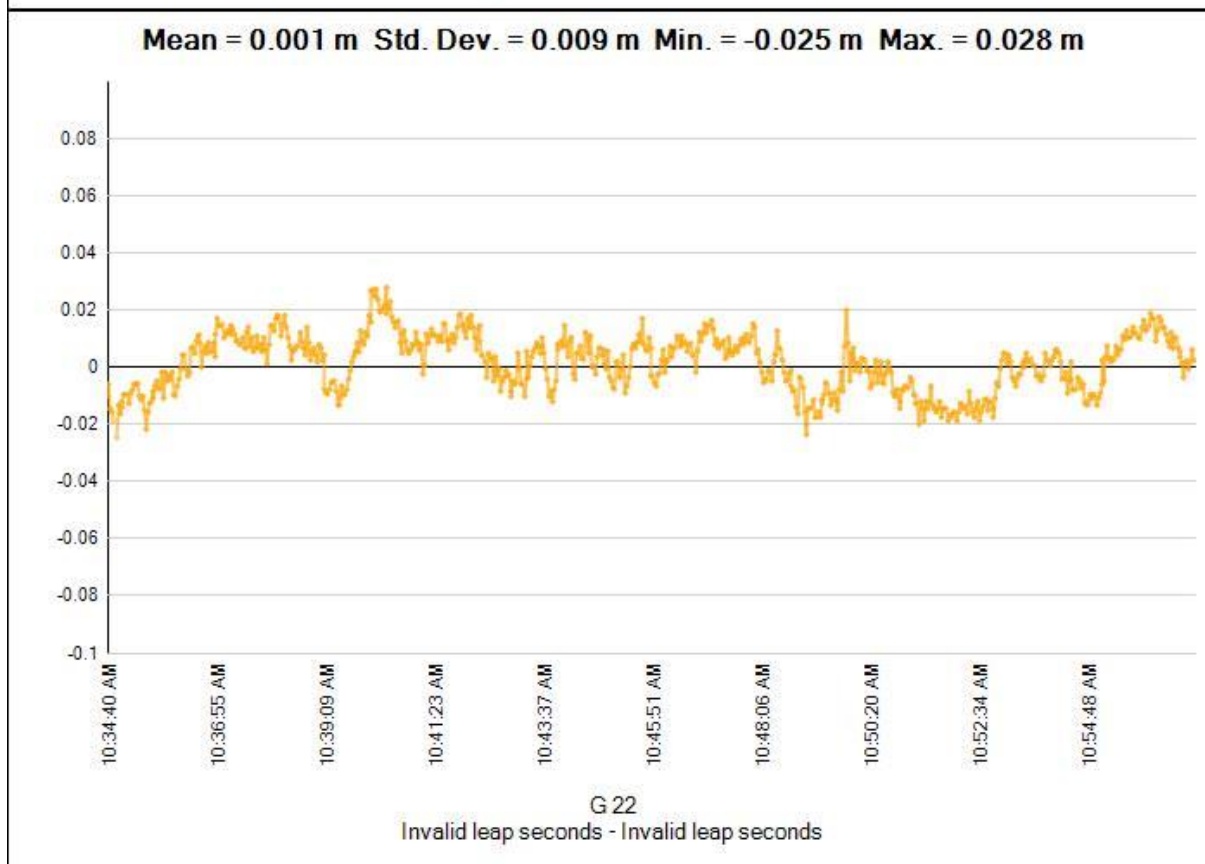
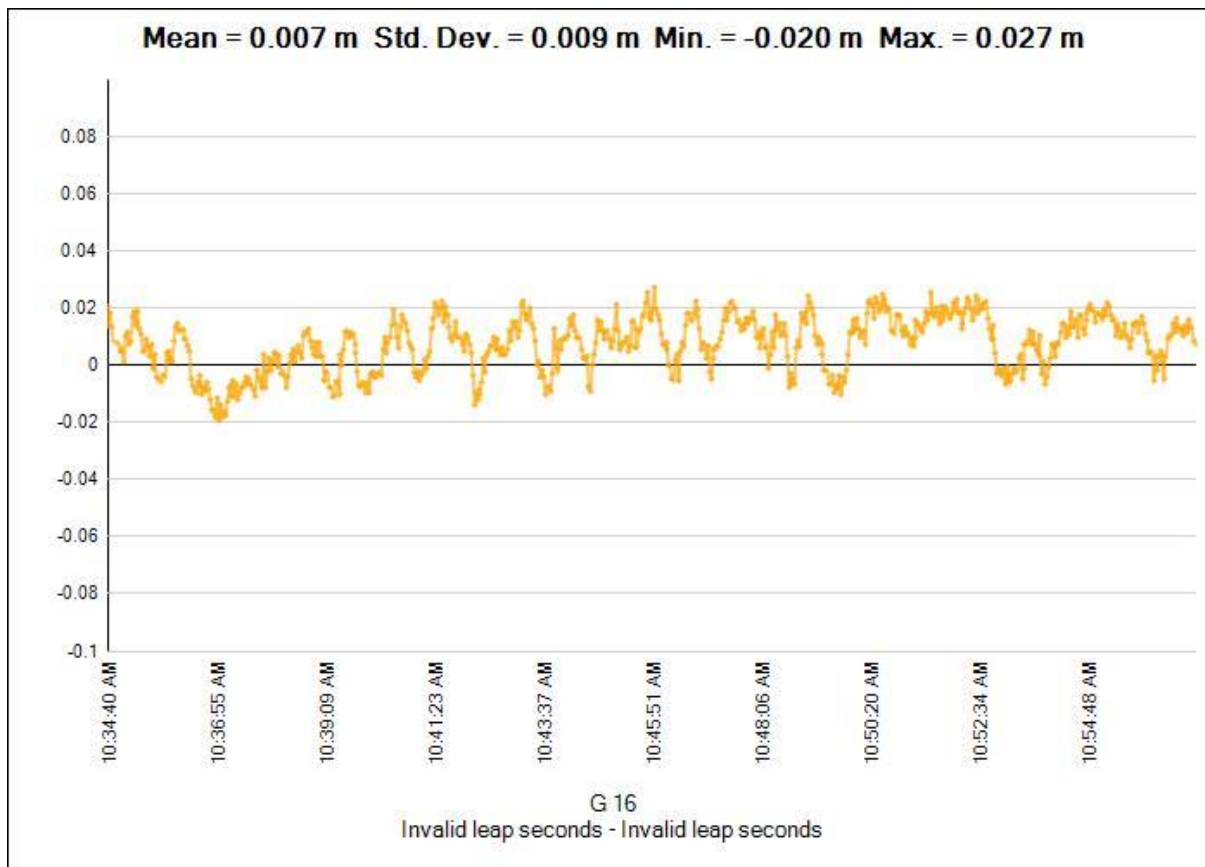
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	L2			
	L5			
G 3	L1			
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	L5			
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	L2			
	L5			
G 9	L1			
	L2			
	L5			
G 11	L1			
	L2			
	L5			
G 16	L1			
	L2			
	L5			
G 22	L1			
	L2			
	L5			
G 23	L1			
	L2			
	L5			
G 26	L1			
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	L5			
G 27	L1			
	L2			
	L5			
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	L2			
	L5			
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	L2			
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	L2			
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R 11	L1			
	L2			
	L5			
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	L2			
	L5			

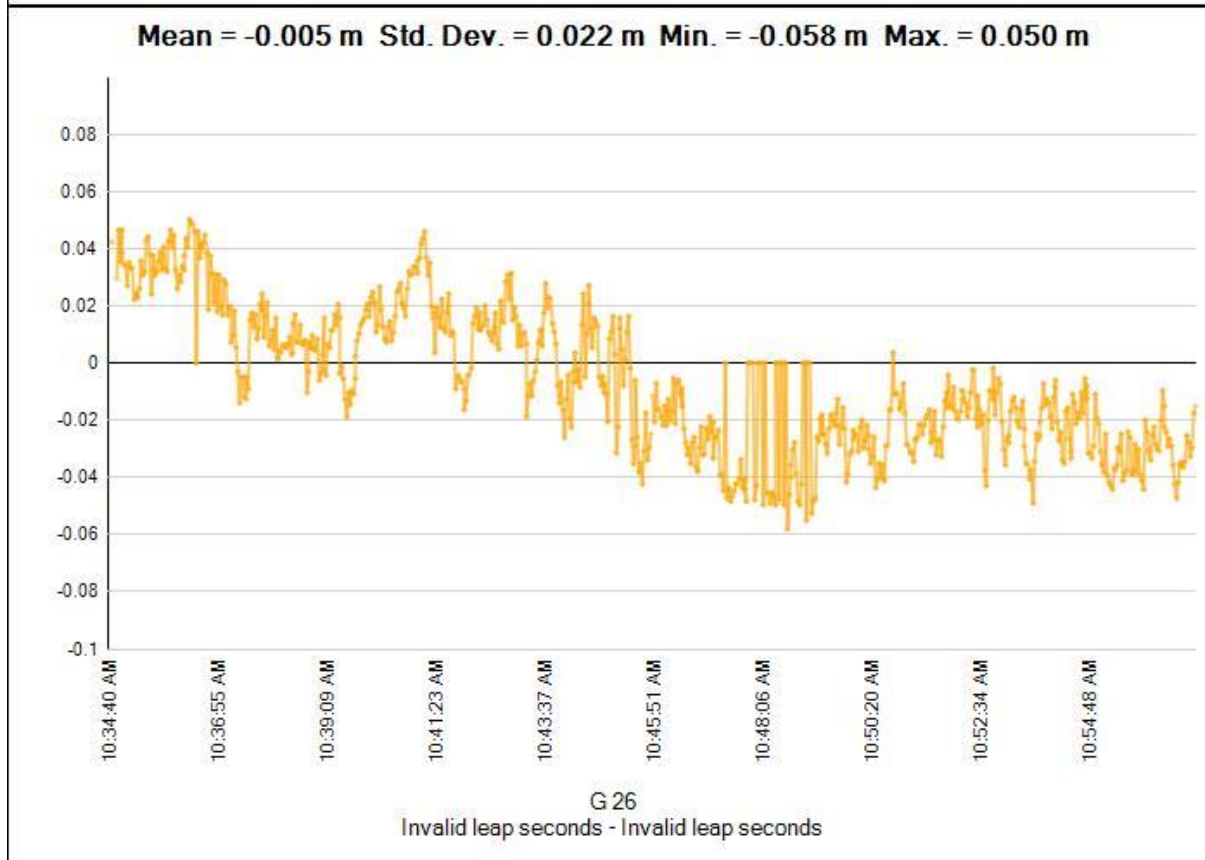
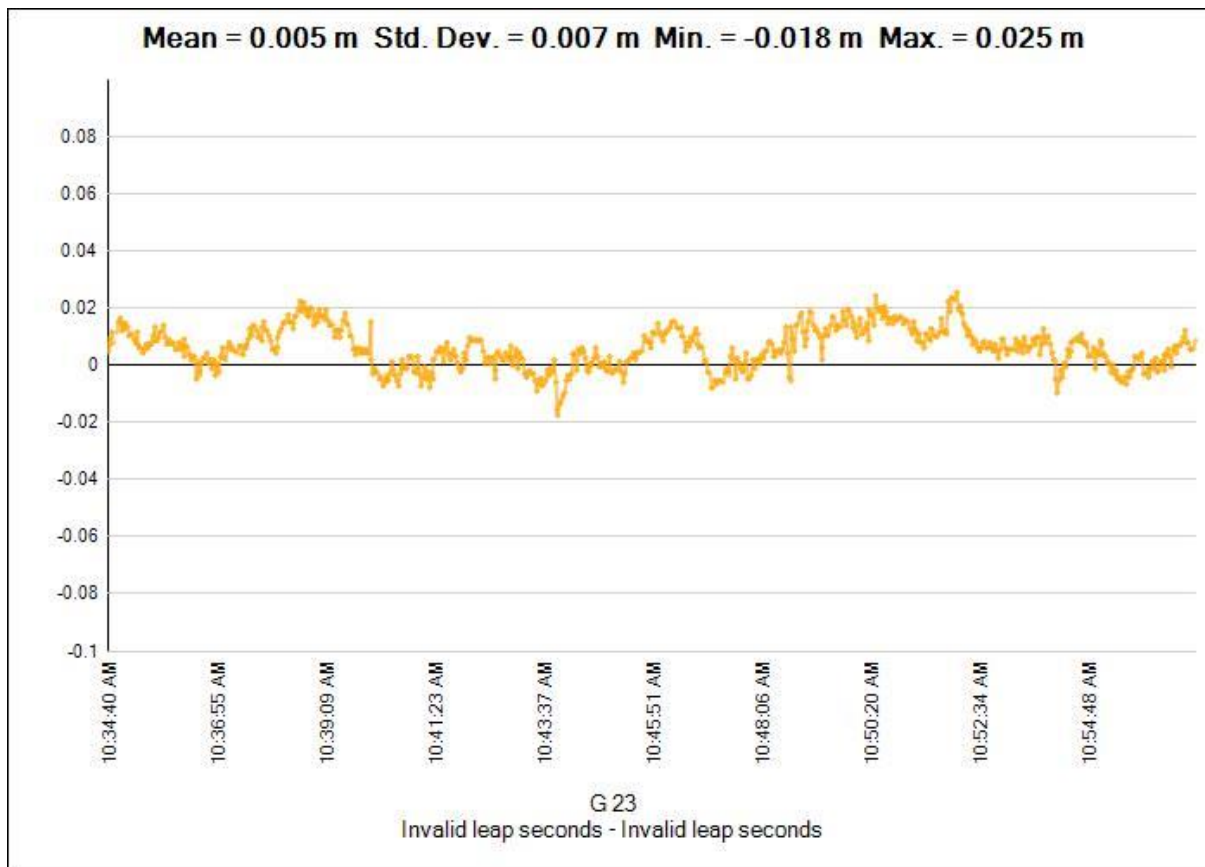
Residuals

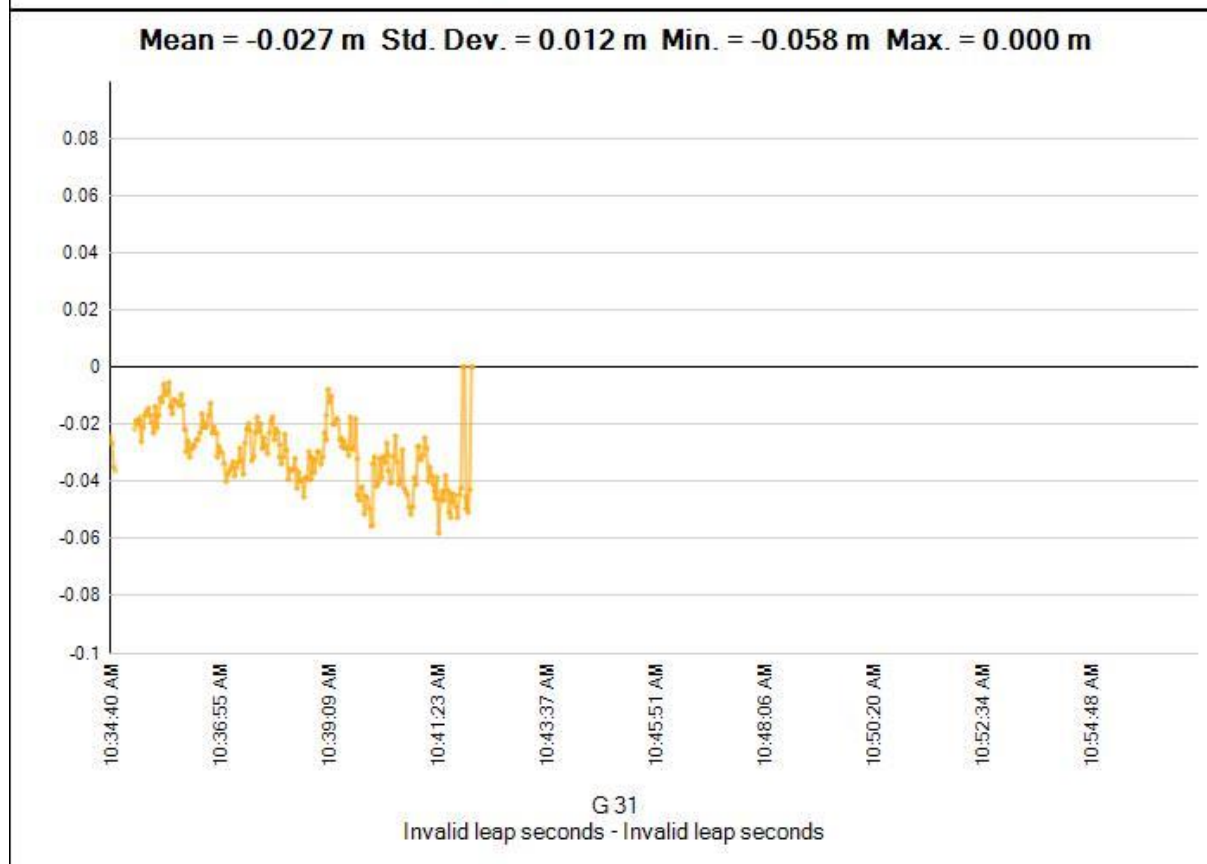
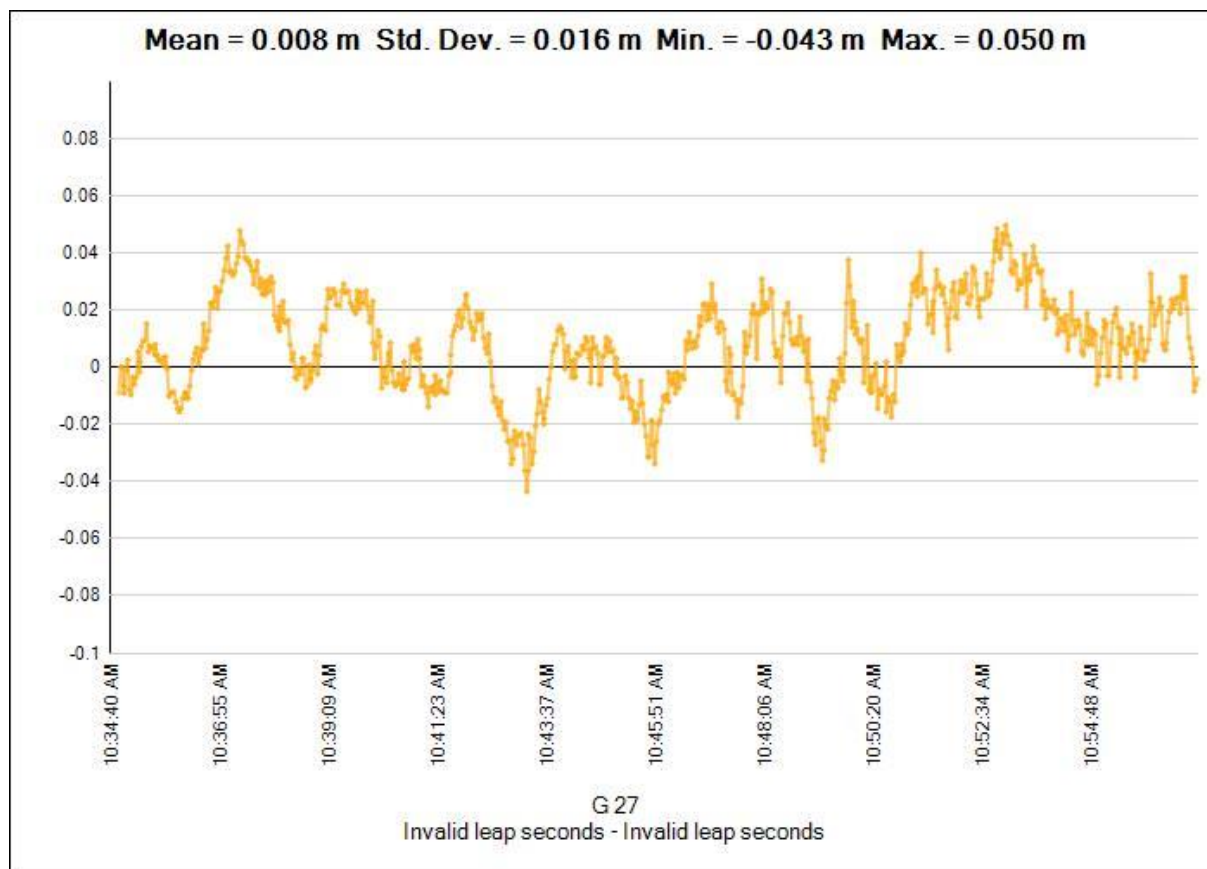


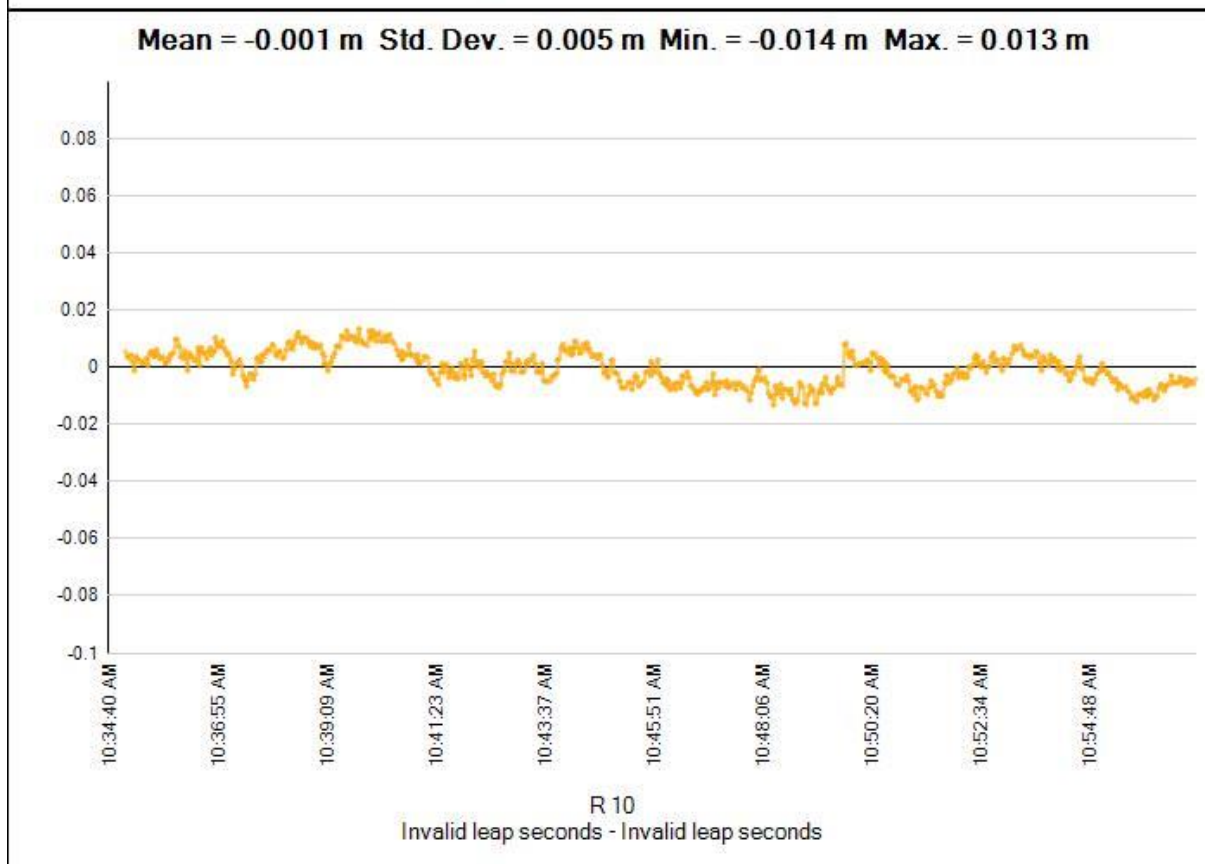
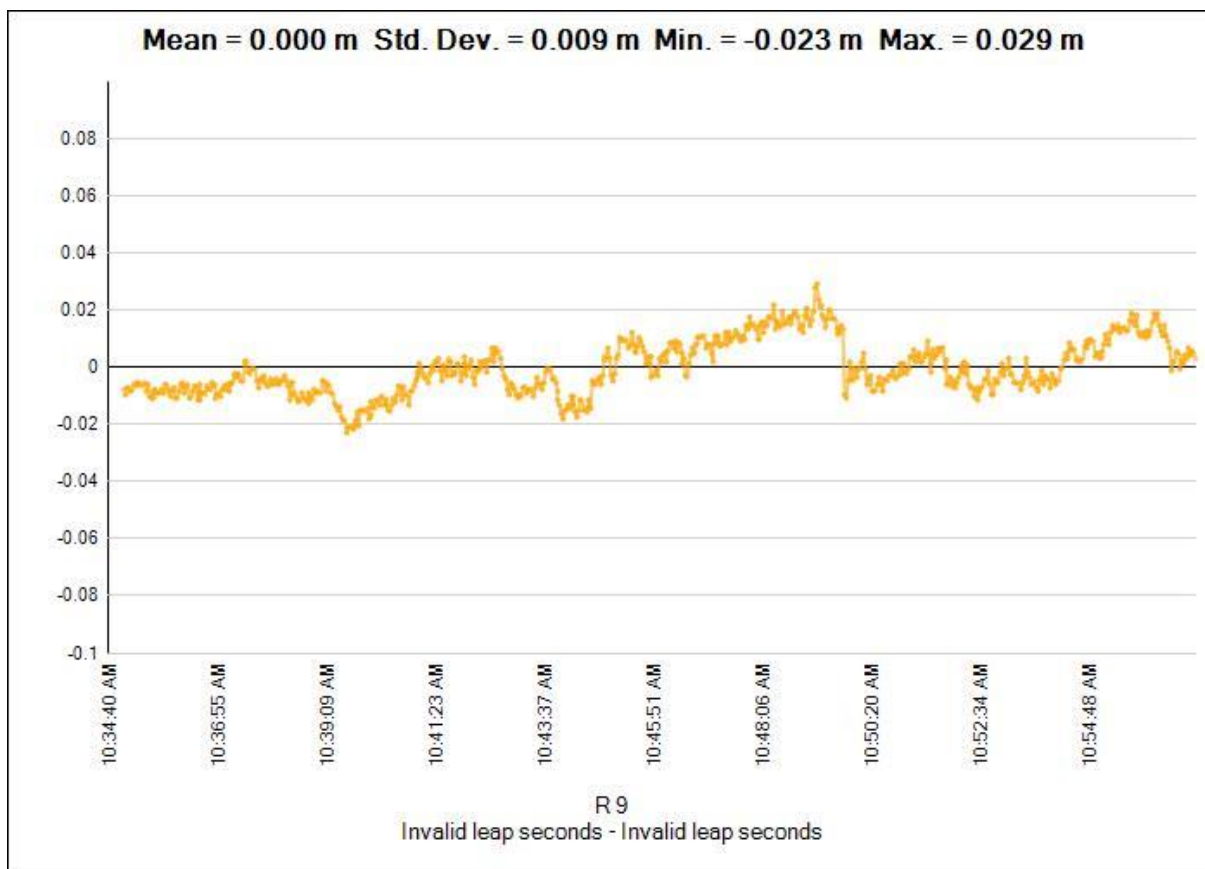


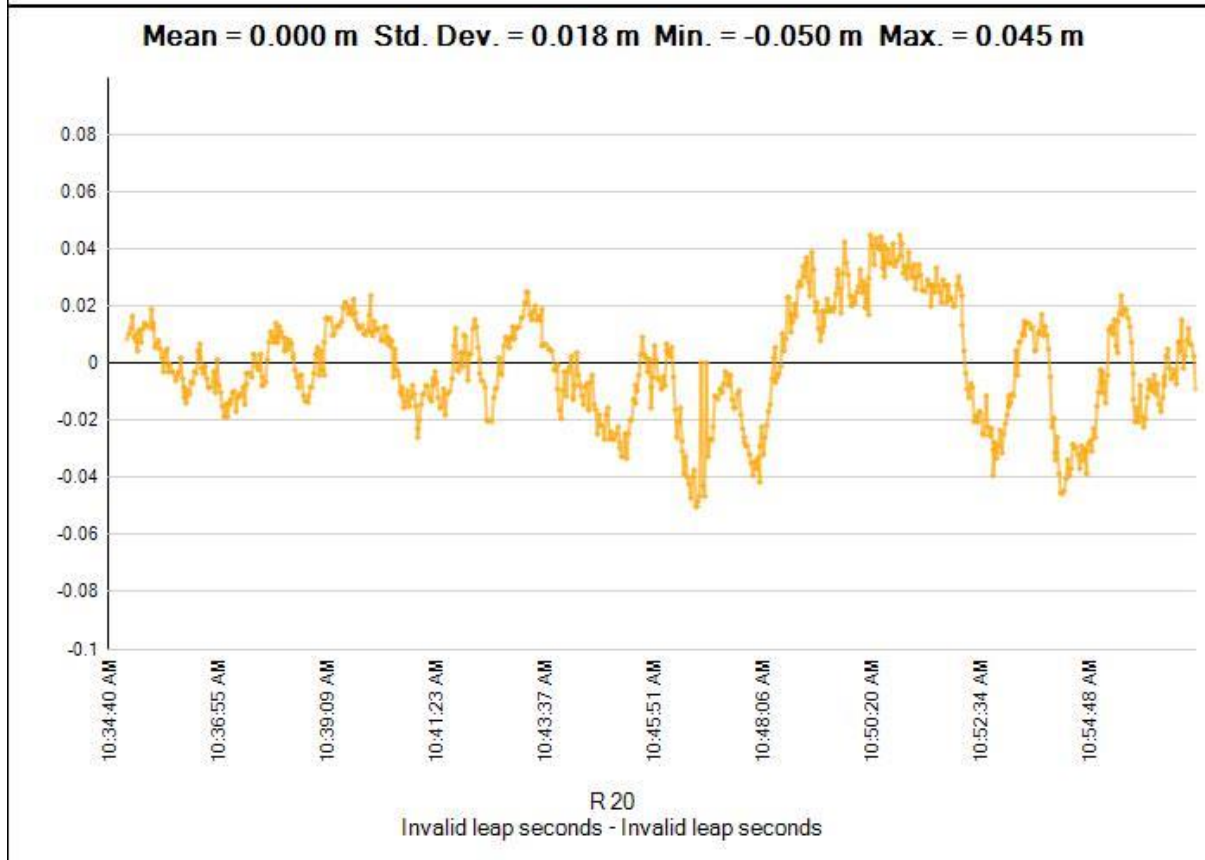
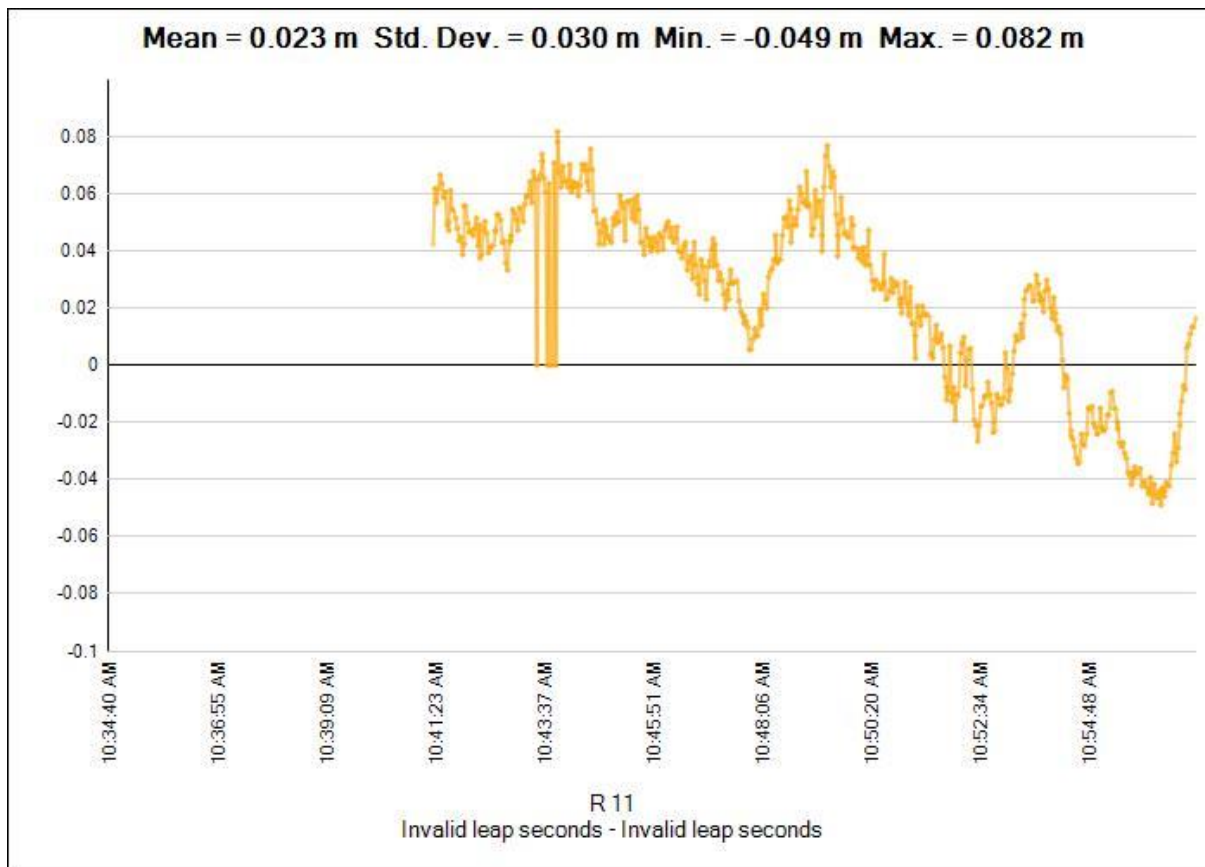


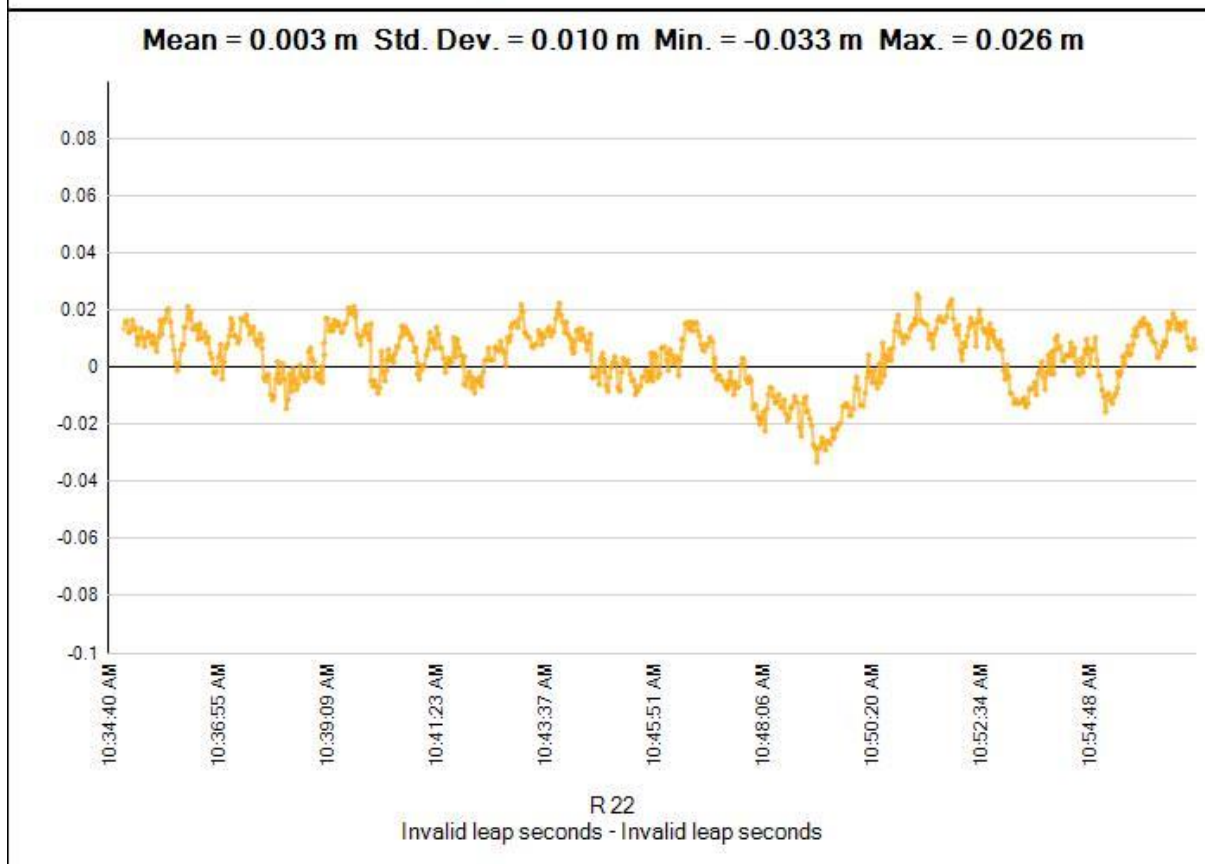
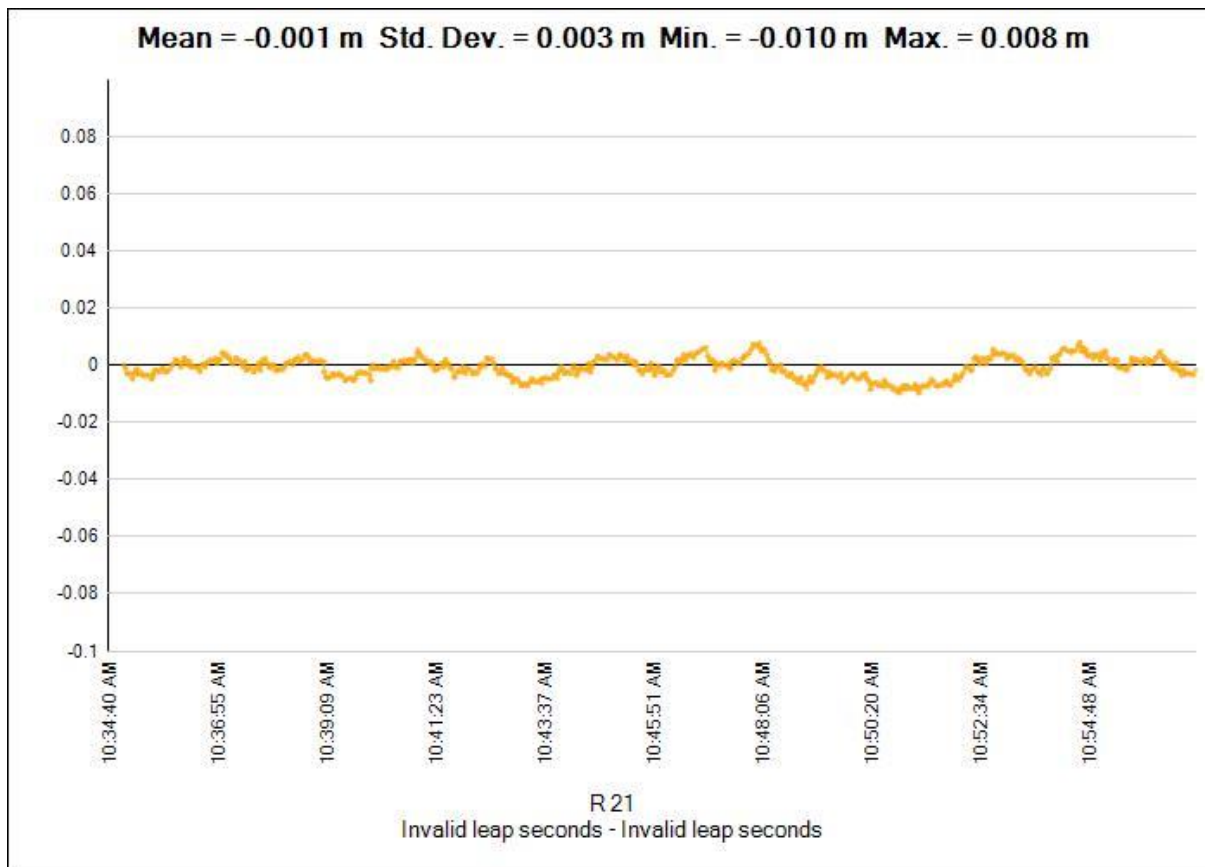












Processing style

Elevation mask: 10.0 deg

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: Use all data

Force float: No

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

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Modified:	8/8/2016 9:19:24 AM (UTC:-3)	Zone:	21 North (57W)
Time zone:	Argentina Standard Time	Geoid:	
Reference number:		Vertical datum:	
Description:			
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)	Δ Height (Meter)
PMB1 --- punt02 (B8)	PMB1	punt02	Fixed	0.008	0.010	191°46'55"	26884.852	0.436

Acceptance Summary

Processed	Passed	Flag		Fail	
1	1	0		0	

PMB1 - punt02 (Invalid leap seconds-Invalid leap seconds) (S2)

Baseline observation:	PMB1 --- punt02 (B8)
Processed:	Invalid leap seconds
Solution type:	Fixed
Frequency used:	Dual Frequency (L1, L2)
Horizontal precision:	0.008 m
Vertical precision:	0.010 m
RMS:	0.013 m
Maximum PDOP:	1.432
Ephemeris used:	Broadcast
Antenna model:	NGS Absolute
Processing start time:	Invalid leap seconds (Local: UTC-3hr)
Processing stop time:	Invalid leap seconds (Local: UTC-3hr)
Processing duration:	00:20:01
Processing interval:	1 second

Vector Components (Mark to Mark)

From:	PMB1				
Grid		Local		Global	
Easting	705405.696 m	Latitude	N5°49'41.37586"	Latitude	N5°49'41.37586"
Northing	644546.816 m	Longitude	W55°08'41.50770"	Longitude	W55°08'41.50770"
Elevation	-29.234 m	Height	-29.234 m	Height	-29.234 m

To:	punt02				
Grid		Local		Global	
Easting	700000.414 m	Latitude	N5°35'24.59594"	Latitude	N5°35'24.59594"
Northing	618207.963 m	Longitude	W55°11'39.87796"	Longitude	W55°11'39.87796"
Elevation	-28.798 m	Height	-28.798 m	Height	-28.798 m

Vector					
Δ Easting	-5405.282 m	NS Fwd Azimuth	191°46'55"	Δ X	-3009.512 m
Δ Northing	-26338.854 m	Ellipsoid Dist.	26884.852 m	Δ Y	-5284.119 m
Δ Elevation	0.436 m	Δ Height	0.436 m	Δ Z	-26187.945 m

Standard Errors

Vector errors:

$\sigma \Delta$ Easting	0.003 m	σ NS fwd Azimuth	0°00'00"	$\sigma \Delta$ X	0.004 m
$\sigma \Delta$ Northing	0.002 m	σ Ellipsoid Dist.	0.002 m	$\sigma \Delta$ Y	0.005 m
$\sigma \Delta$ Elevation	0.005 m	$\sigma \Delta$ Height	0.005 m	$\sigma \Delta$ Z	0.002 m

Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0000164636		
Y	-0.0000073936	0.0000203299	
Z	0.0000005742	-0.0000003086	0.0000056904

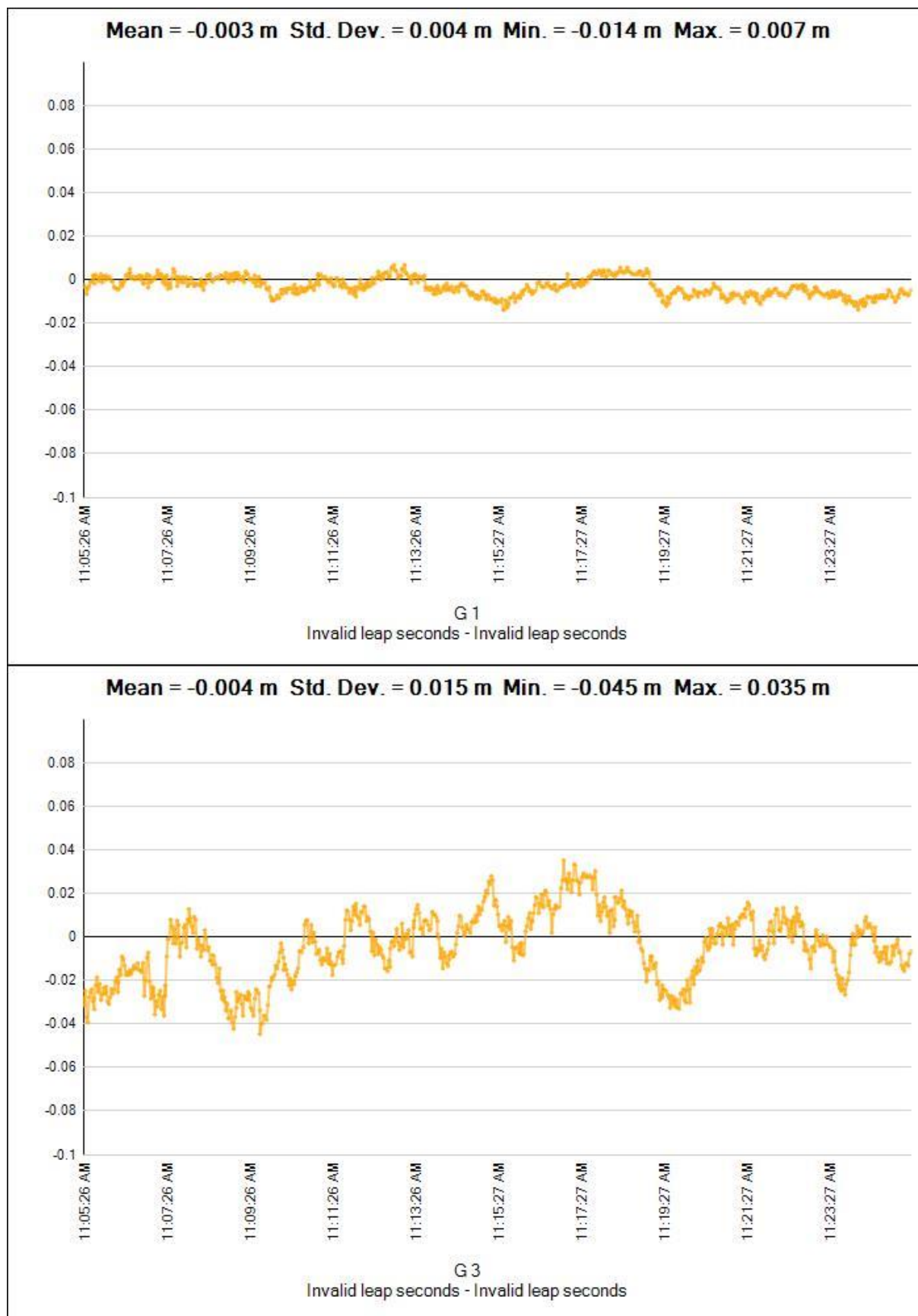
Occupations

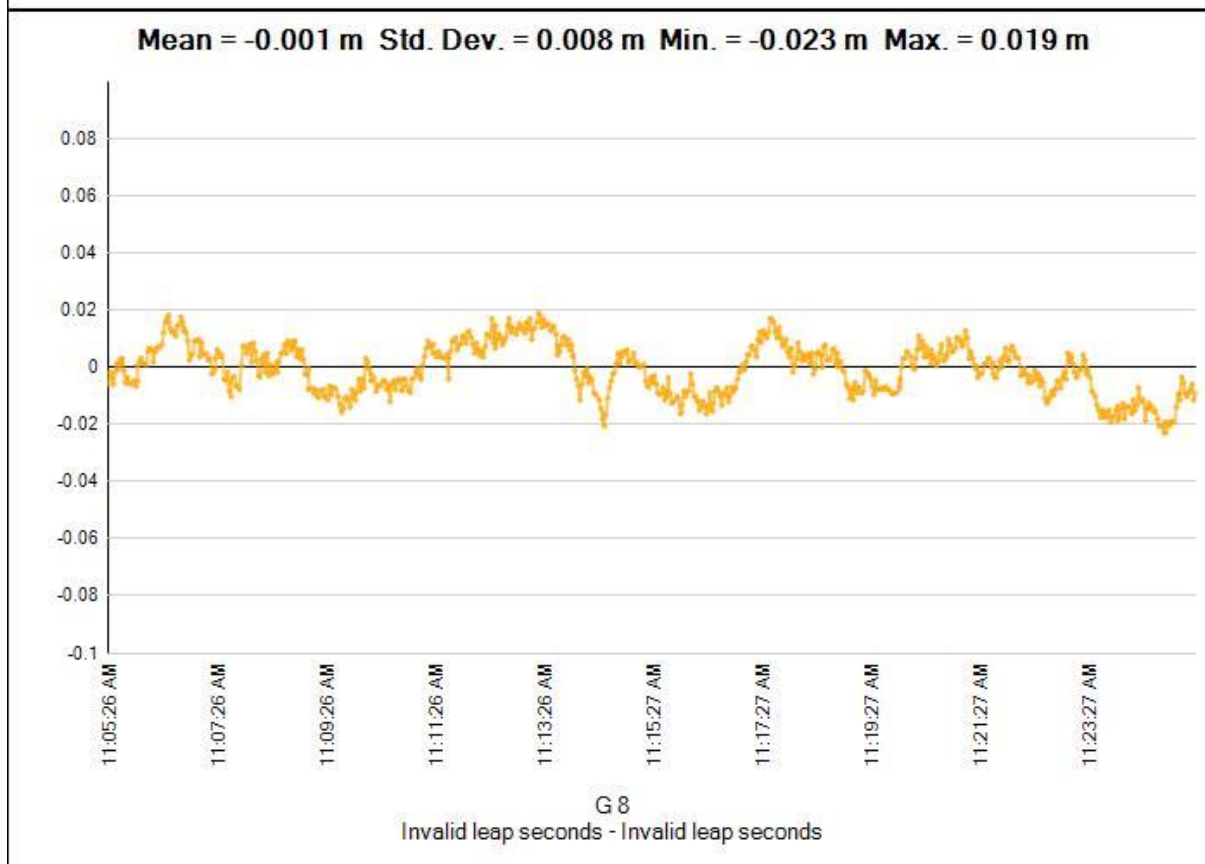
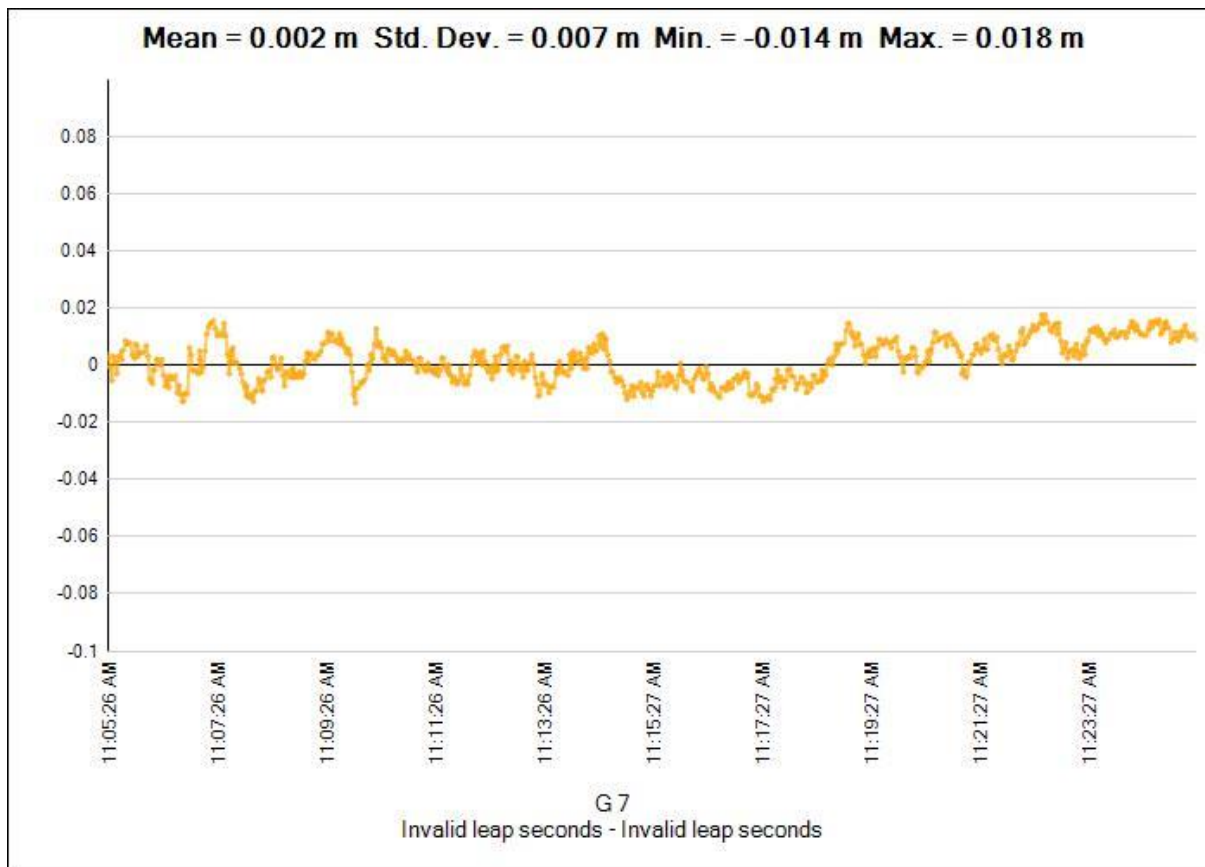
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Receiver type:	NetR5	NetR9
Receiver serial number:	5024K68390	5443R50003
Antenna type:	Zephyr Geodetic 2 RoHS	Zephyr Geodetic 2 RoHS
Antenna serial number:	00000000	-----
Antenna height (measured):	0.000 m	1.480 m
Antenna method:	Bottom of antenna mount	Bottom of antenna mount

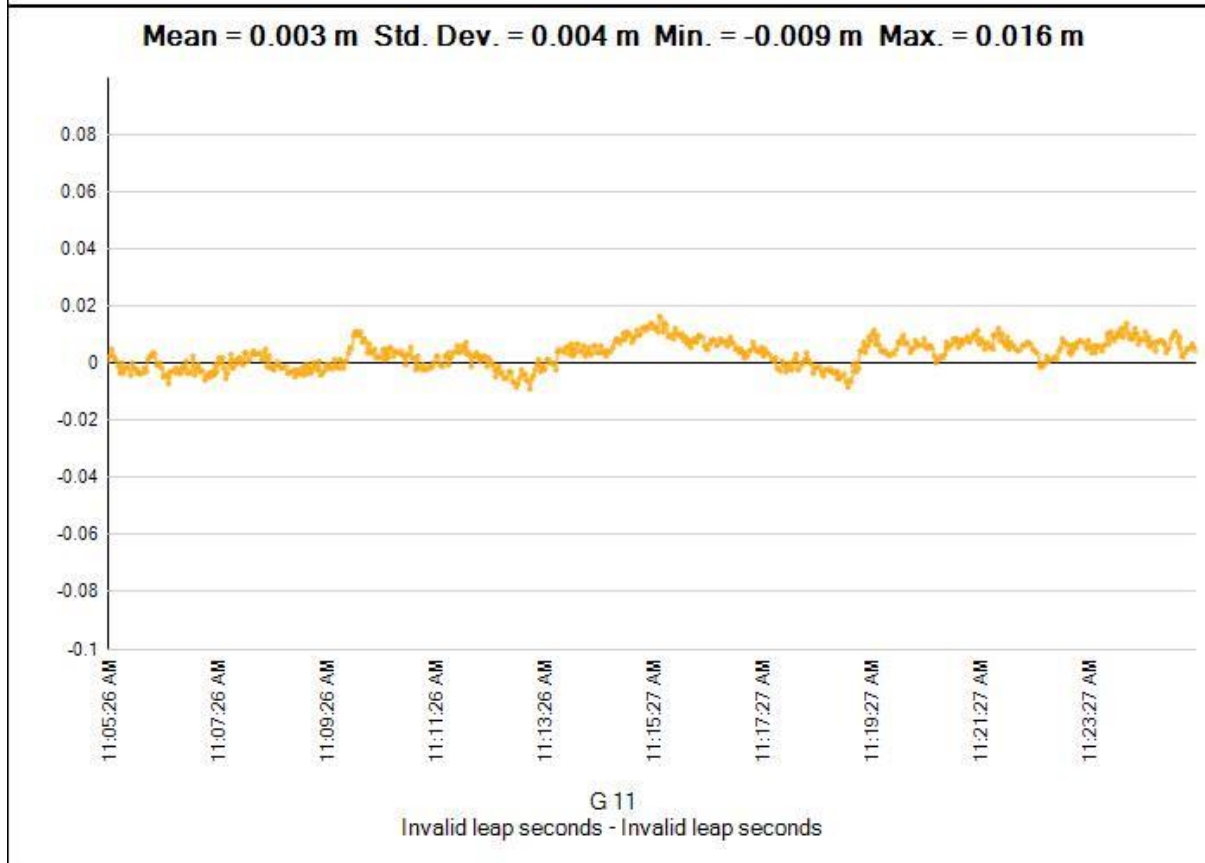
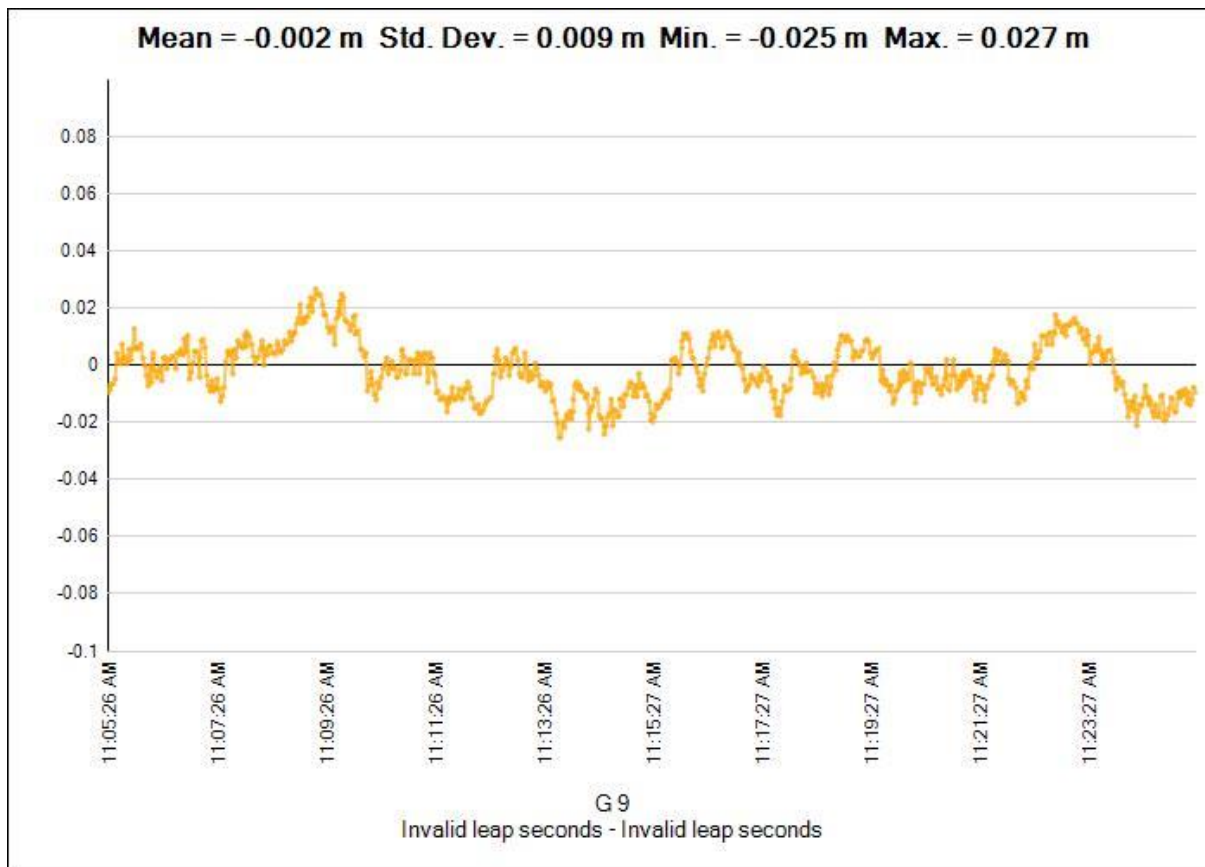
Tracking Summary

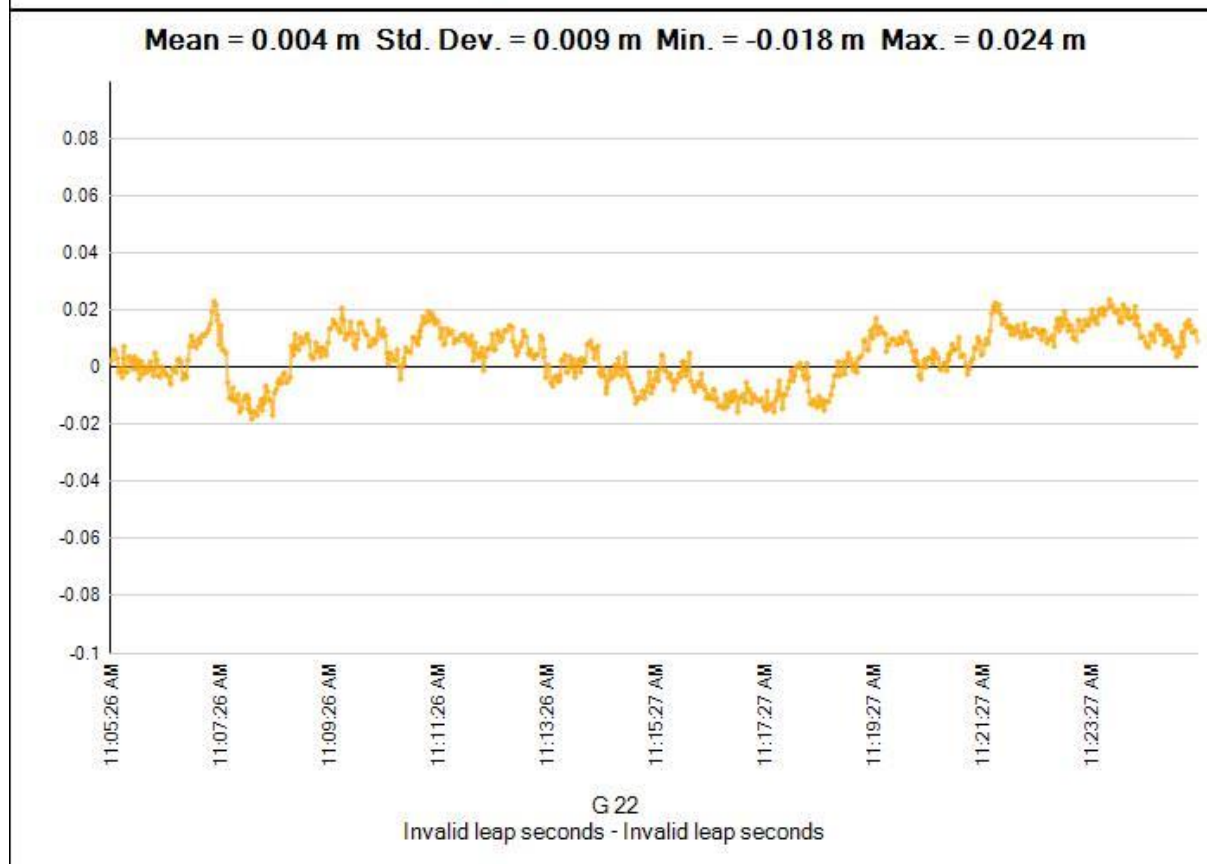
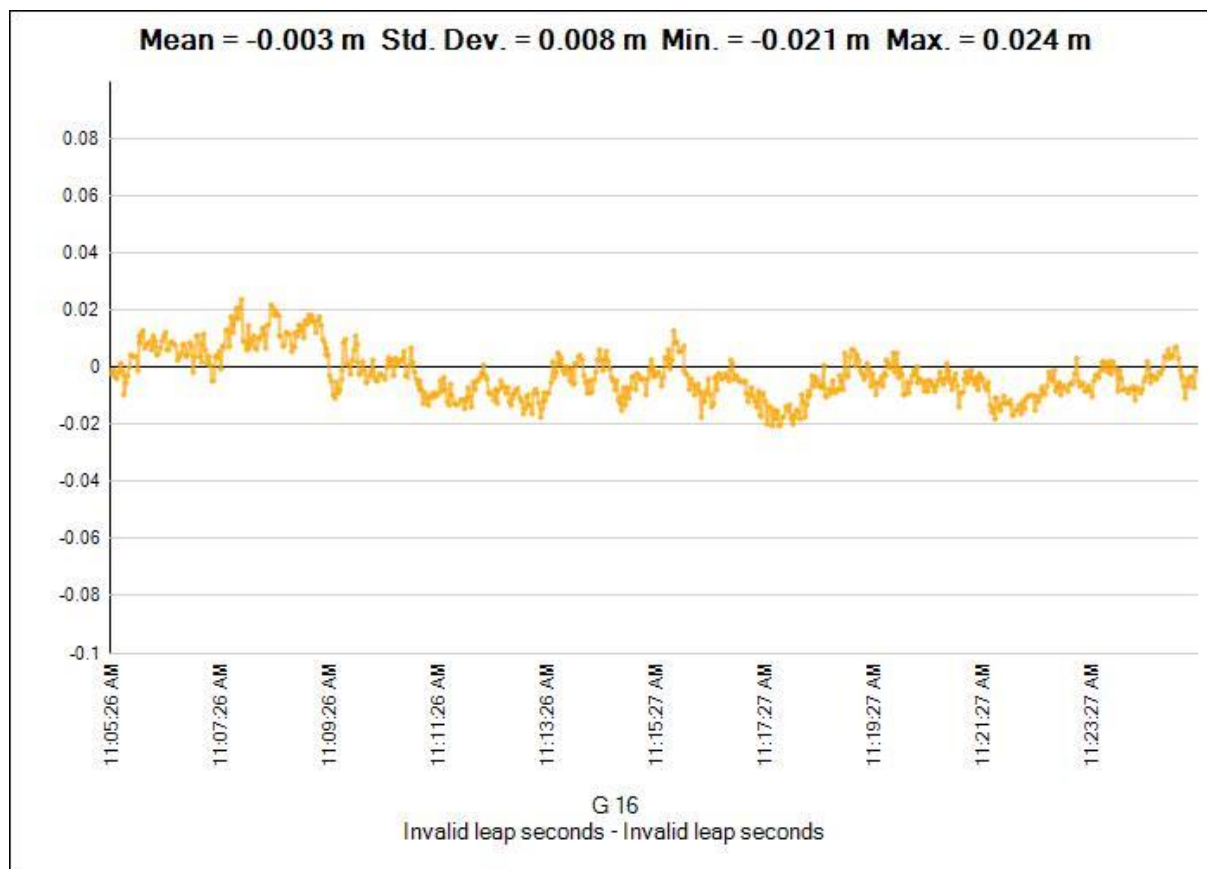
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G 3	L1 L2 L5			
G 7	L1 L2			
G 8	L1 L2 L5			
G 9	L1 L2 L5			
G 11	L1 L2			
G 16	L1 L2			
G 22	L1 L2			
G 23	L1 L2			
G 26	L1 L2 L5			
G 27	L1 L2 L5			
G 30	L1 L2 L5			
R 9	L1 L2			
R 10	L1 L2			
R 11	L1 L2			
R 20	L1 L2			
R 21	L1 L2			
R 22	L1 L2			

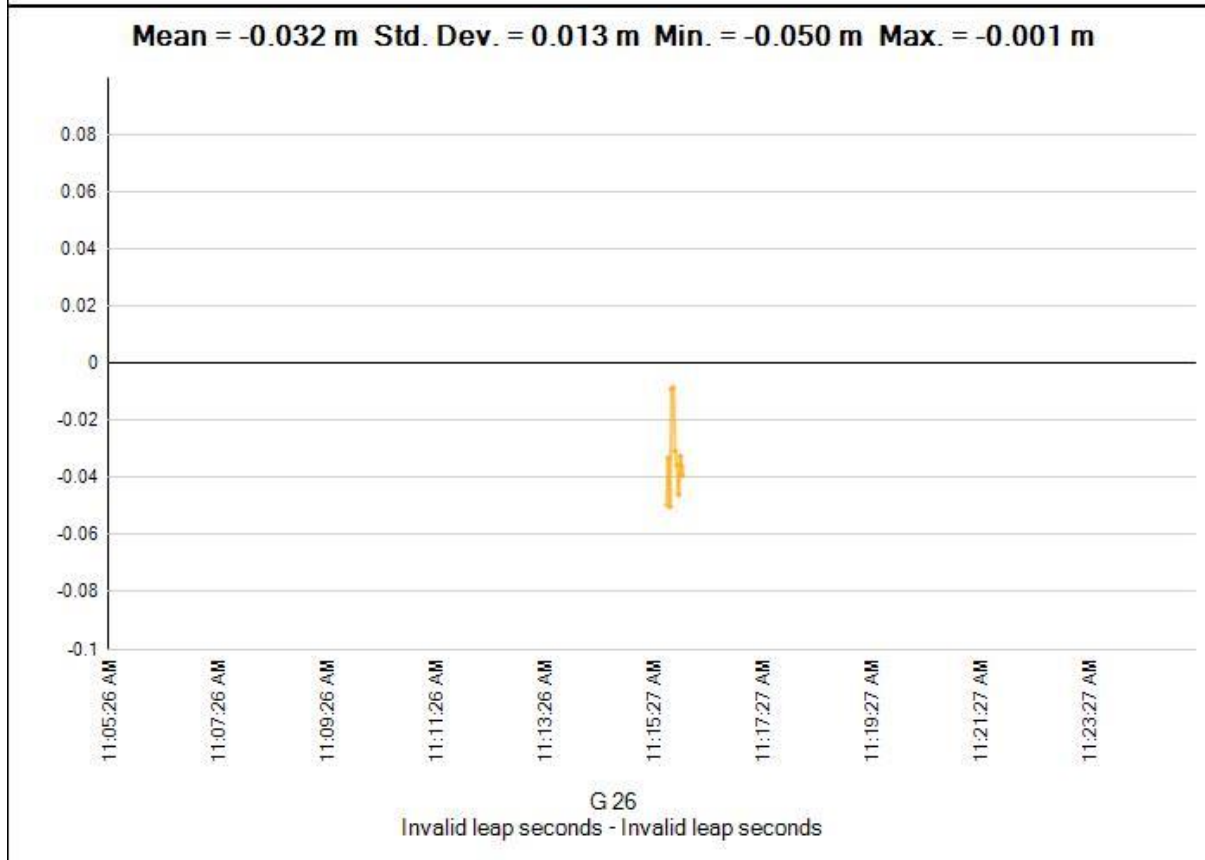
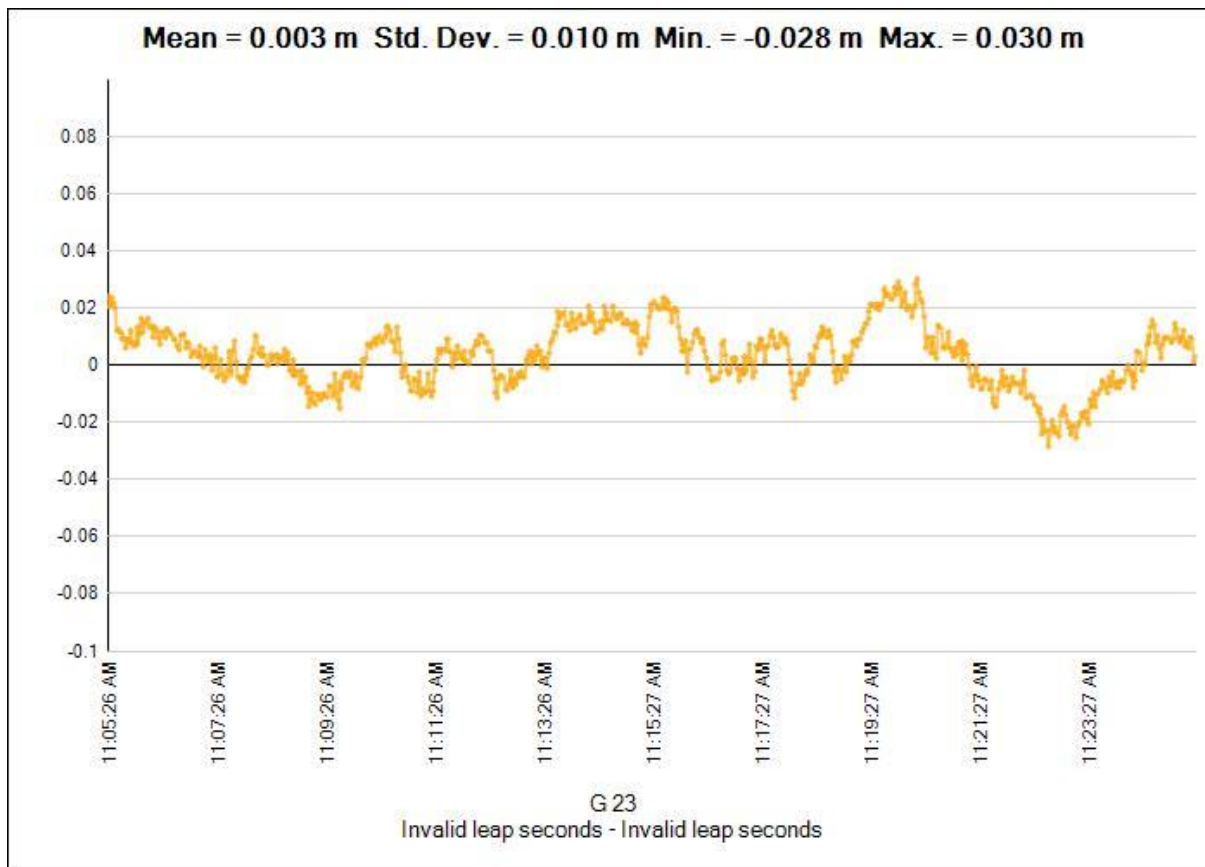
Residuals

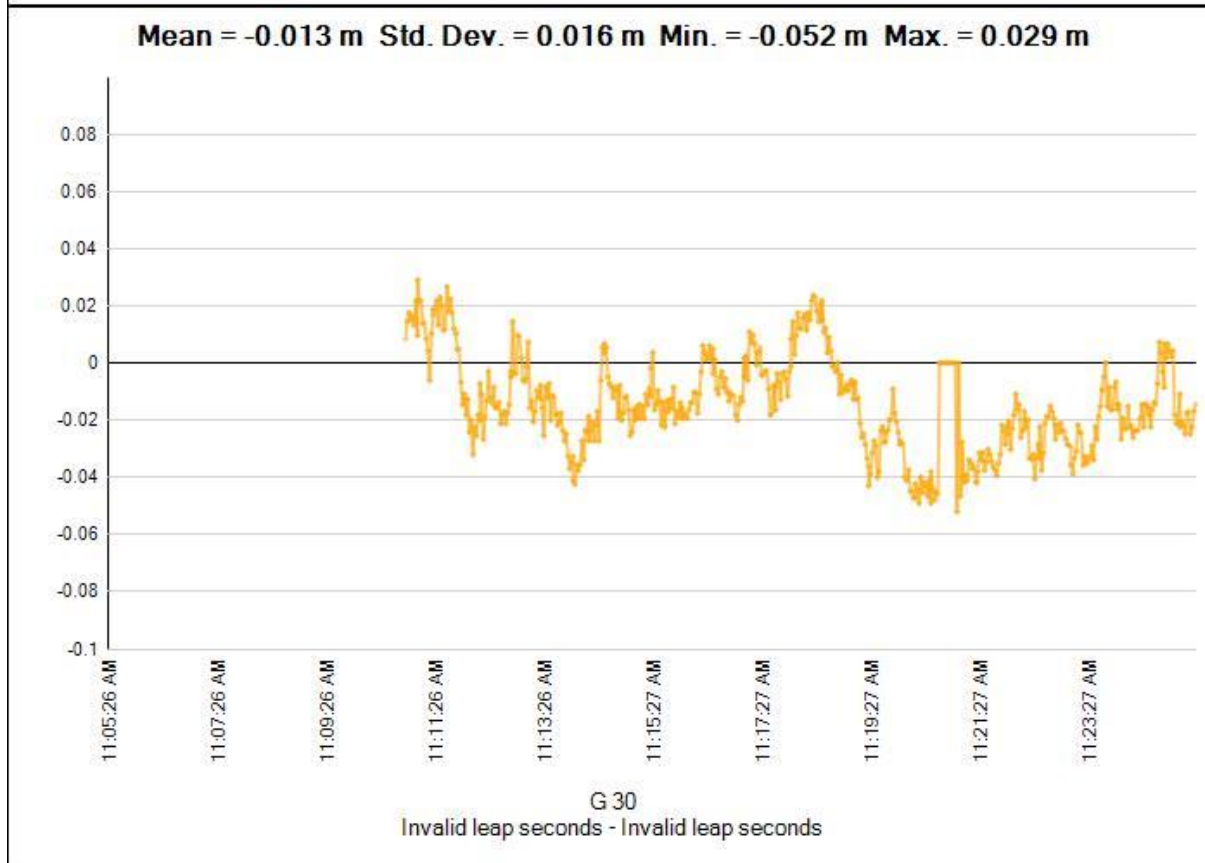
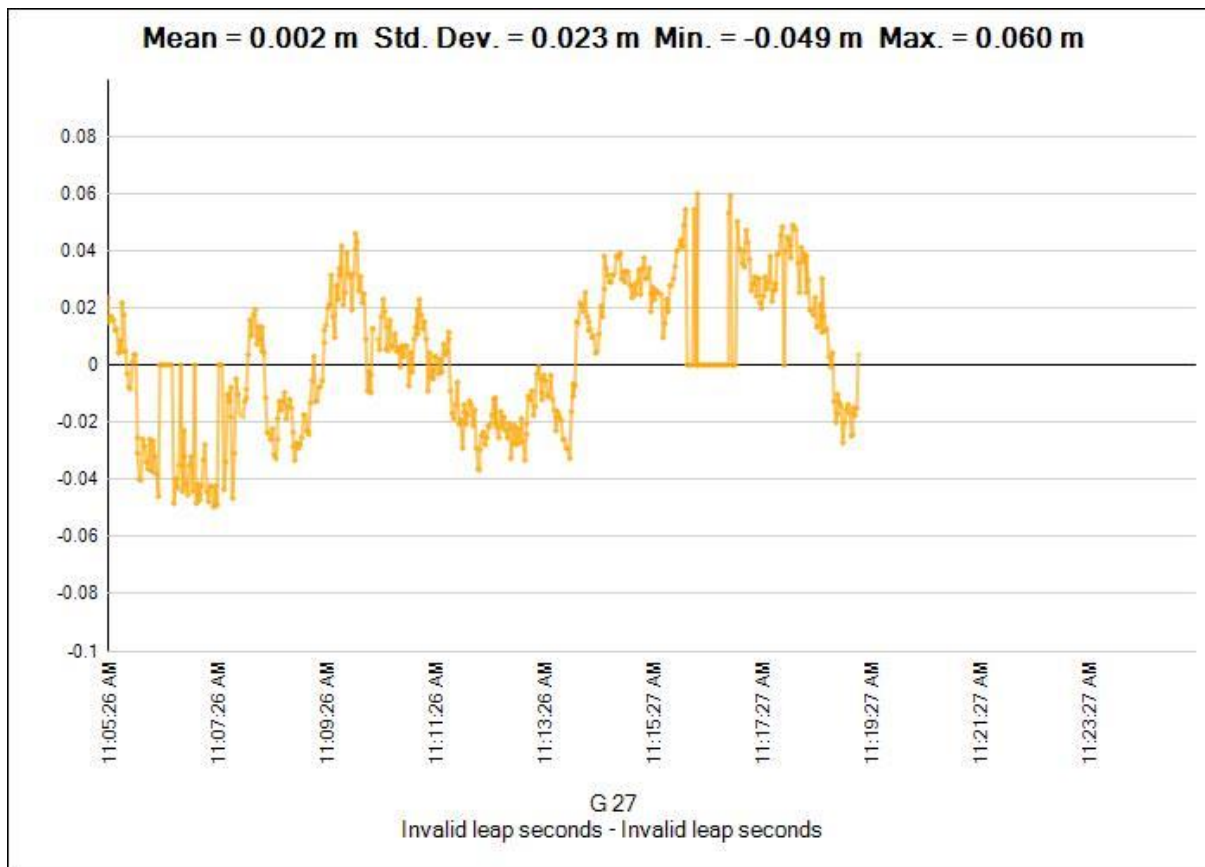


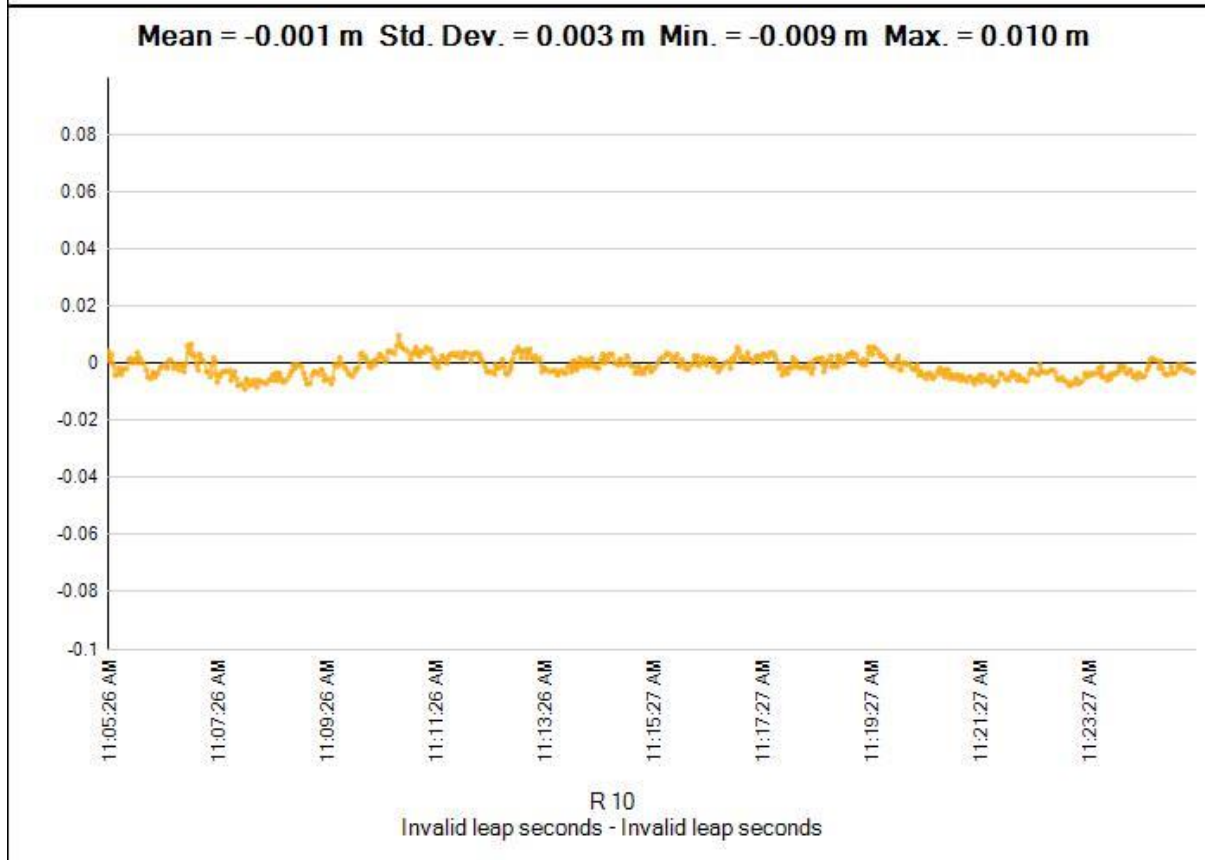
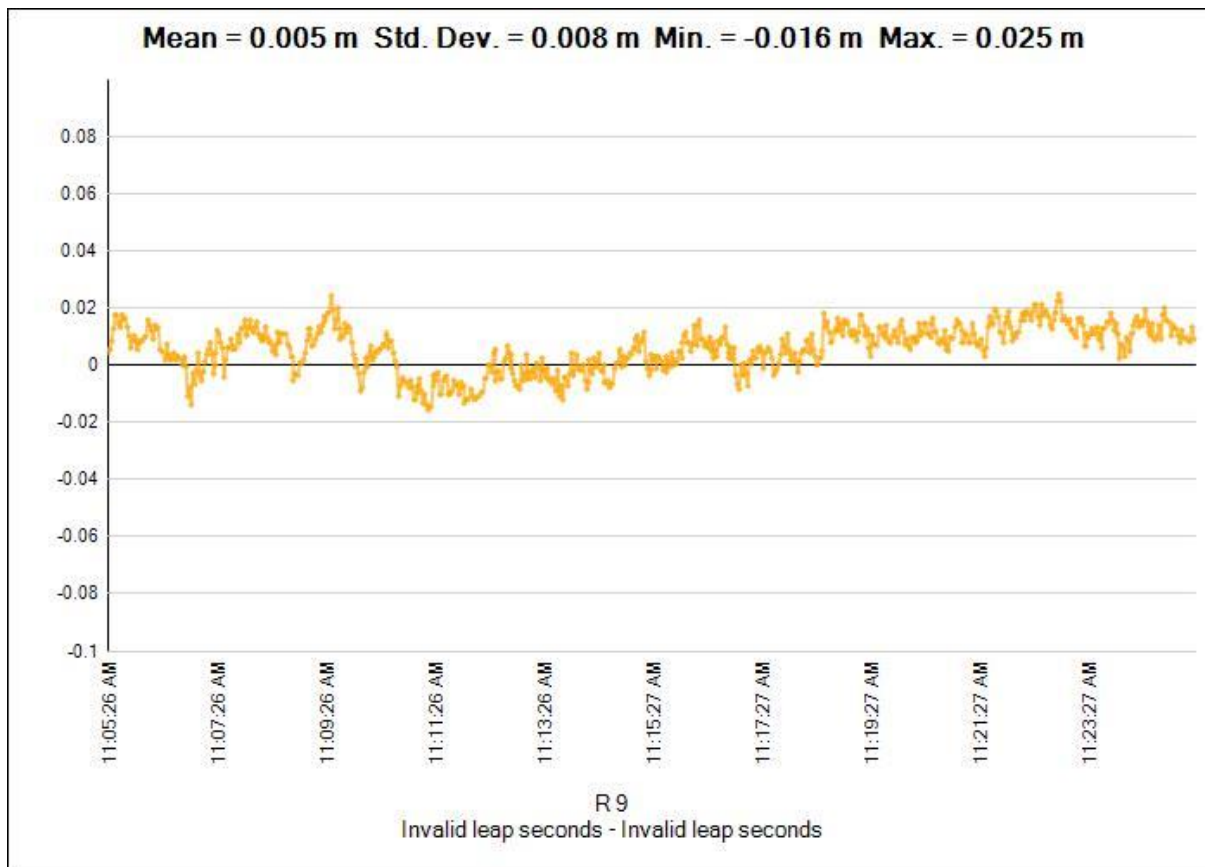


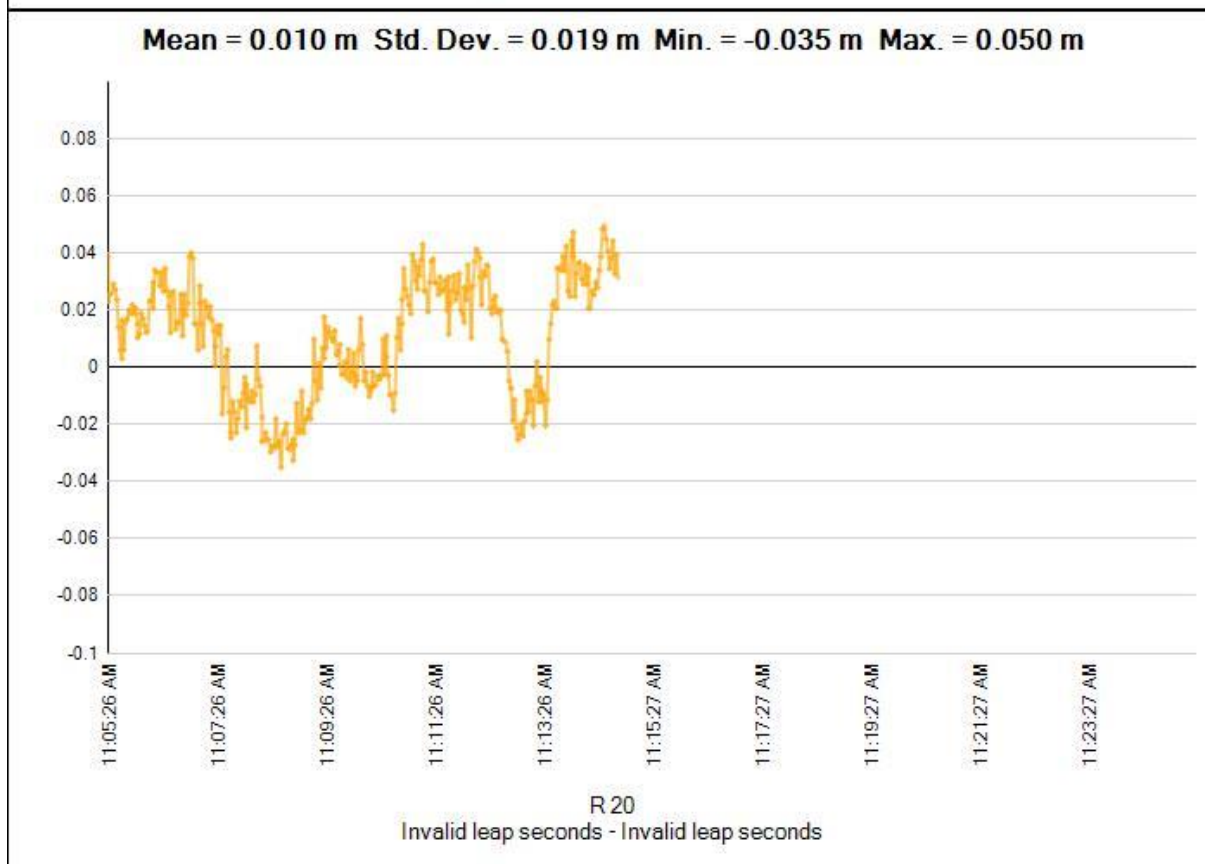
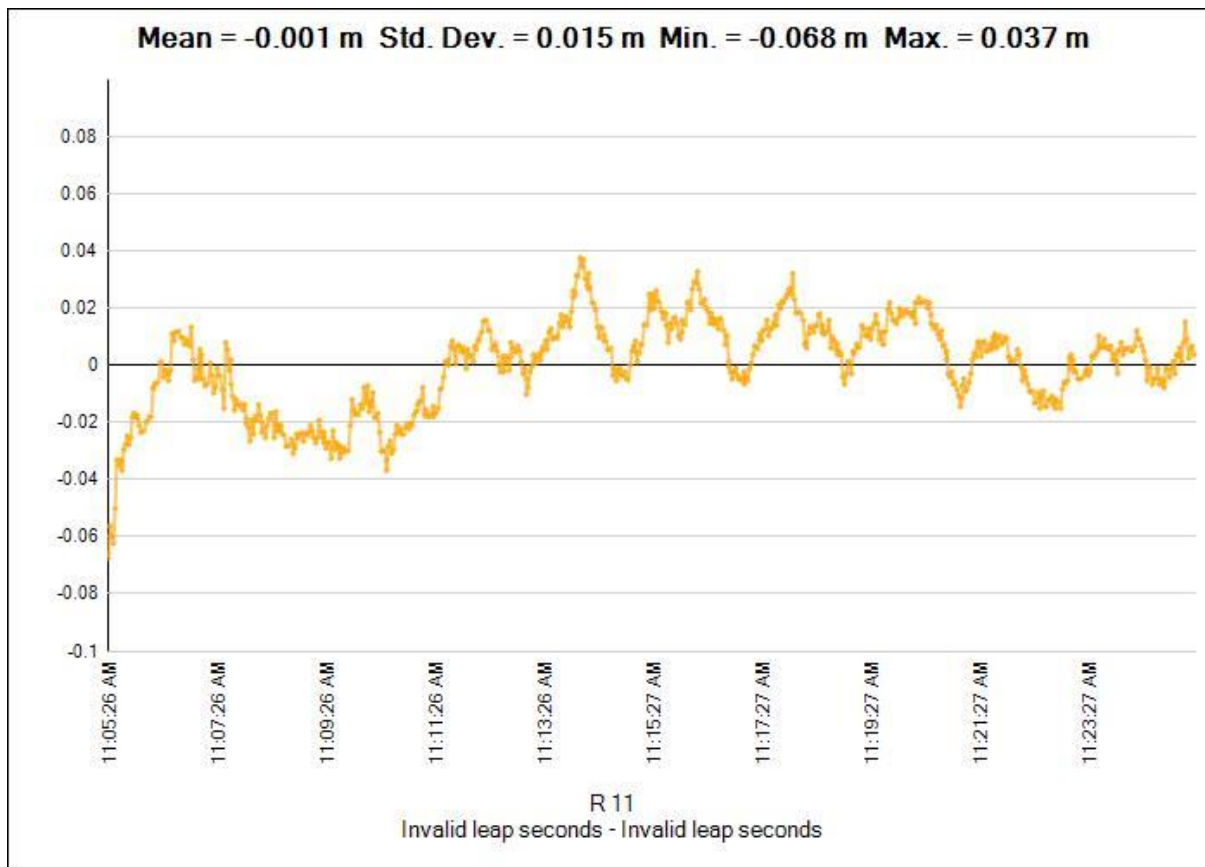


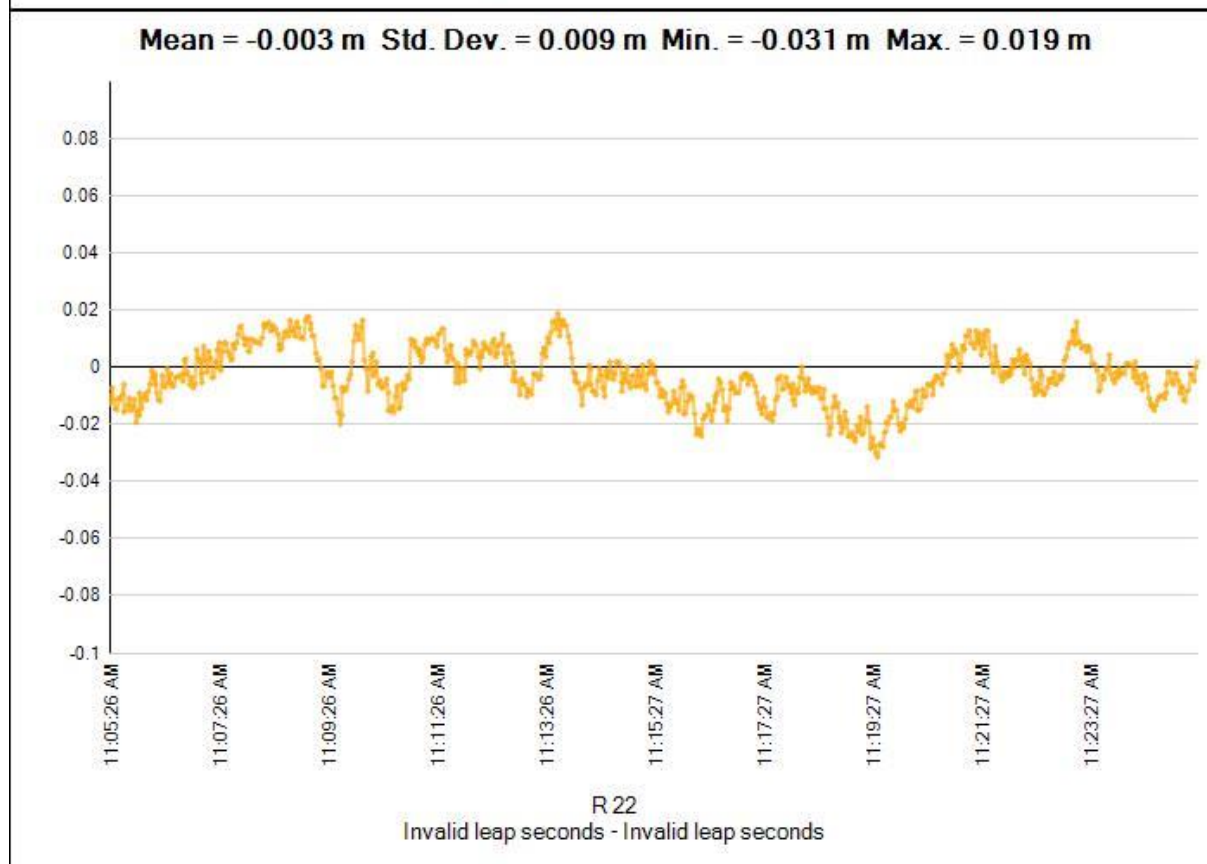
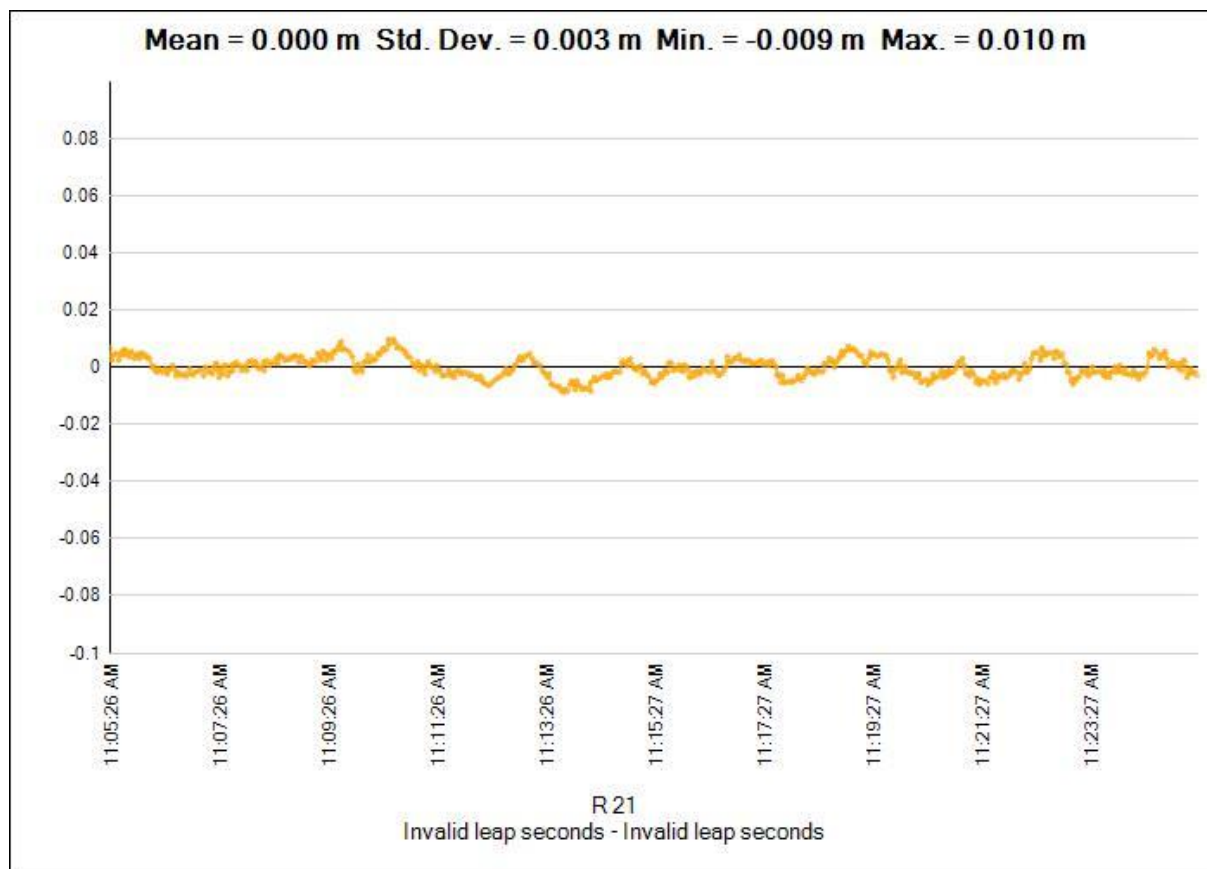












Processing style

Elevation mask: 10.0 deg
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: Use all data
Force float: No

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

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Size:	58 KB	Datum:	WGS 1984
Modified:	8/8/2016 9:19:24 AM (UTC:-3)	Zone:	21 North (57W)
Time zone:	Argentina Standard Time	Geoid:	
Reference number:		Vertical datum:	
Description:			
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)	Δ Height (Meter)
PMB1 --- Punt3 (B7)	PMB1	Punt3	Fixed	0.009	0.012	191°42'19"	26941.669	0.316

Acceptance Summary

Processed	Passed	Flag		Fail	
1	1	0		0	

PMB1 - Punt3 (Invalid leap seconds-Invalid leap seconds) (S1)

Baseline observation:	PMB1 --- Punt3 (B7)
Processed:	Invalid leap seconds
Solution type:	Fixed
Frequency used:	Dual Frequency (L1, L2)
Horizontal precision:	0.009 m
Vertical precision:	0.012 m
RMS:	0.012 m
Maximum PDOP:	1.469
Ephemeris used:	Broadcast
Antenna model:	NGS Absolute
Processing start time:	Invalid leap seconds (Local: UTC-3hr)
Processing stop time:	Invalid leap seconds (Local: UTC-3hr)
Processing duration:	00:16:39
Processing interval:	1 second

Vector Components (Mark to Mark)

From:	PMB1				
Grid		Local		Global	
Easting	705405.696 m	Latitude	N5°49'41.37586"	Latitude	N5°49'41.37586"
Northing	644546.816 m	Longitude	W55°08'41.50770"	Longitude	W55°08'41.50770"
Elevation	-29.234 m	Height	-29.234 m	Height	-29.234 m

To:	Punt3				
Grid		Local		Global	
Easting	700024.305 m	Latitude	N5°35'22.54651"	Latitude	N5°35'22.54651"
Northing	618145.075 m	Longitude	W55°11'39.10804"	Longitude	W55°11'39.10804"
Elevation	-28.918 m	Height	-28.918 m	Height	-28.918 m

Vector					
Δ Easting	-5381.392 m	NS Fwd Azimuth	191°42'19"	Δ X	-2986.625 m
Δ Northing	-26401.741 m	Ellipsoid Dist.	26941.669 m	Δ Y	-5275.531 m
Δ Elevation	0.316 m	Δ Height	0.316 m	Δ Z	-26250.611 m

Standard Errors

Vector errors:

$\sigma \Delta$ Easting	0.003 m	σ NS fwd Azimuth	0°00'00"	$\sigma \Delta$ X	0.004 m
$\sigma \Delta$ Northing	0.003 m	σ Ellipsoid Dist.	0.003 m	$\sigma \Delta$ Y	0.005 m
$\sigma \Delta$ Elevation	0.006 m	$\sigma \Delta$ Height	0.006 m	$\sigma \Delta$ Z	0.003 m

Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0000198083		
Y	-0.0000118794	0.0000298603	
Z	0.0000011151	0.0000017761	0.0000084378

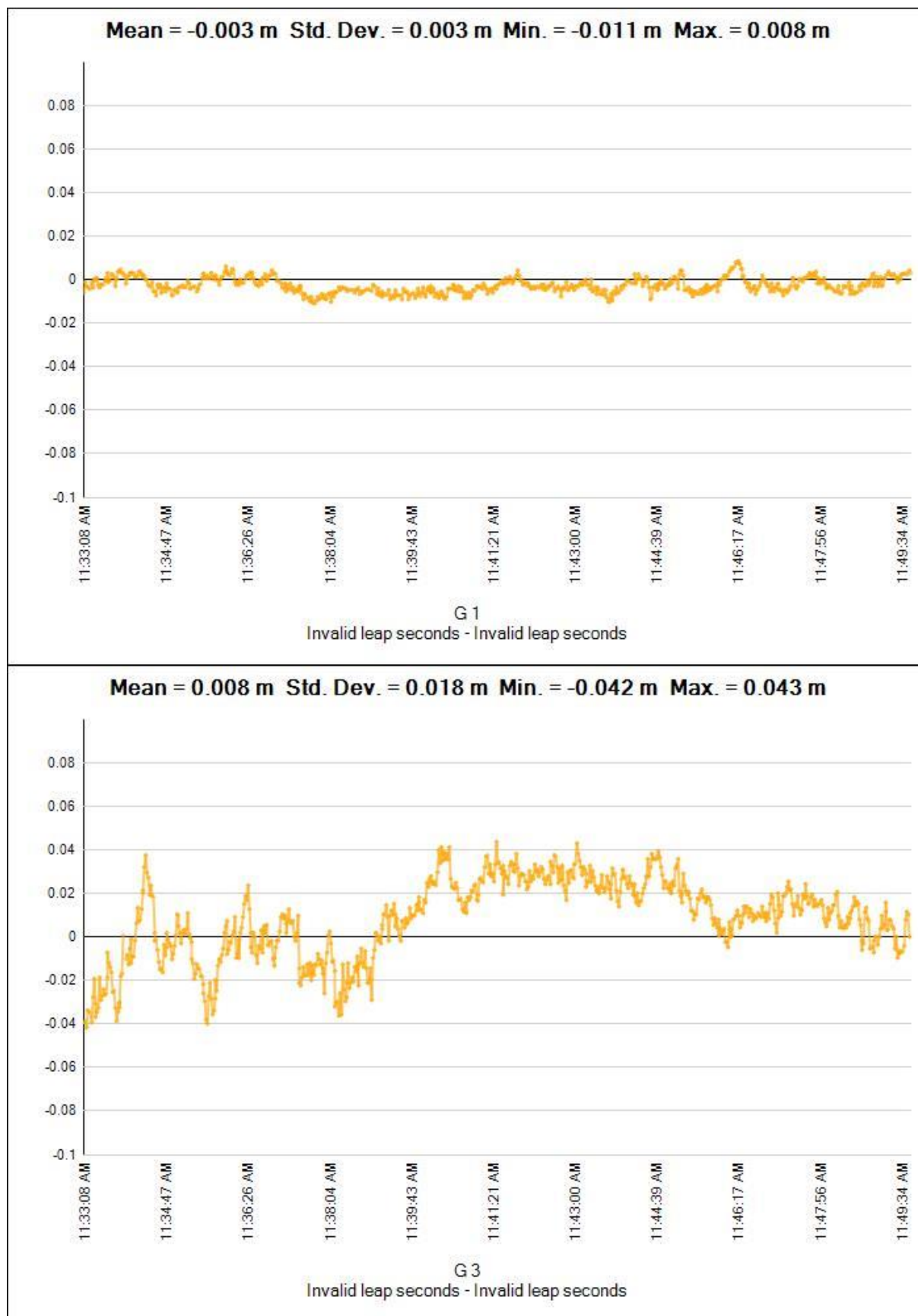
Occupations

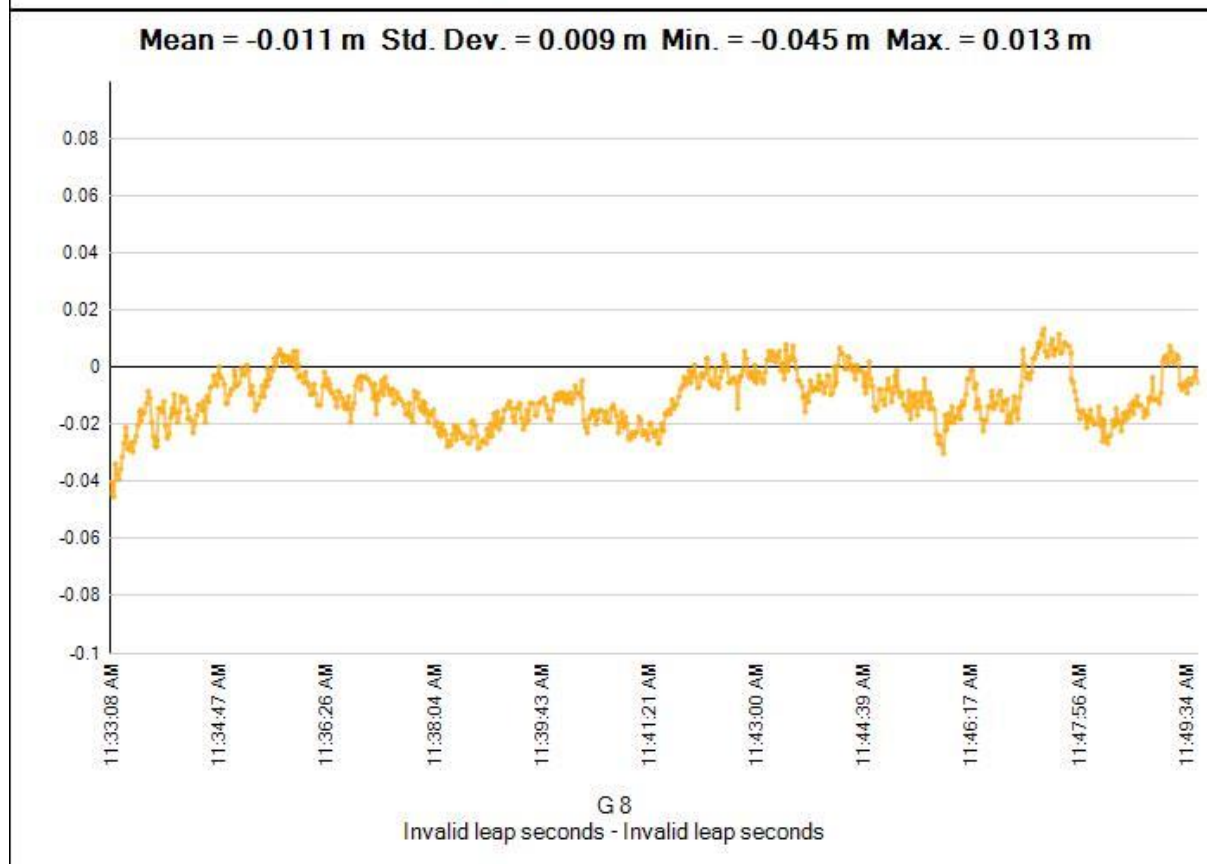
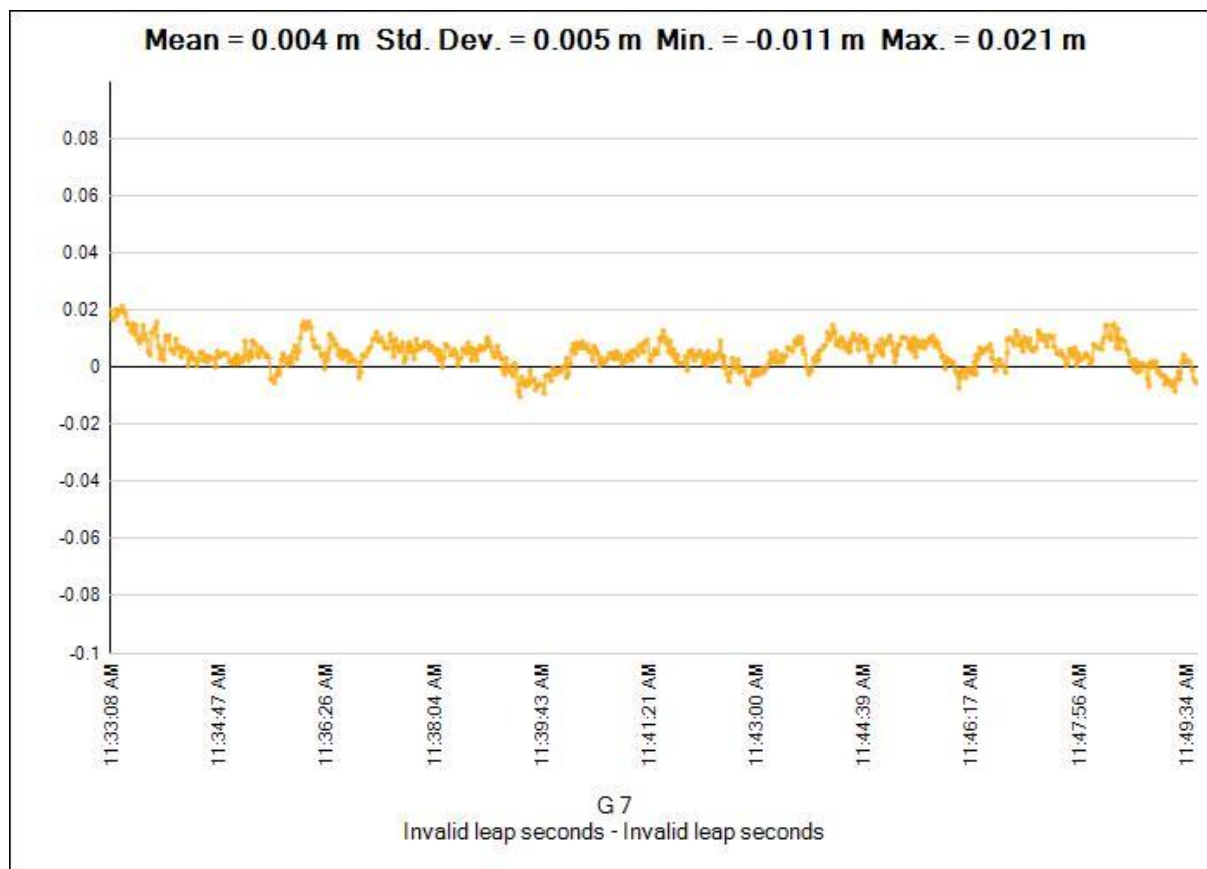
	From	To
Point ID:	PMB1	Punt3
Data file:	J:\04NGRS\02CORS\CORS activiteiten & storingen\Test meting CORS SRZN\Test SRZN_ _\Base line T.o.v.Paramaribo\pmb1218o.16o	J:\04NGRS\02CORS\CORS activiteiten & storingen\Test meting CORS SRZN\Test SRZN_ _\Base line T.o.v.Paramaribo\5443R50003201608051420C.T02
Receiver type:	NetR5	NetR9
Receiver serial number:	5024K68390	5443R50003
Antenna type:	Zephyr Geodetic 2 RoHS	Zephyr Geodetic 2 RoHS
Antenna serial number:	00000000	-----
Antenna height (measured):	0.000 m	1.512 m
Antenna method:	Bottom of antenna mount	Bottom of antenna mount

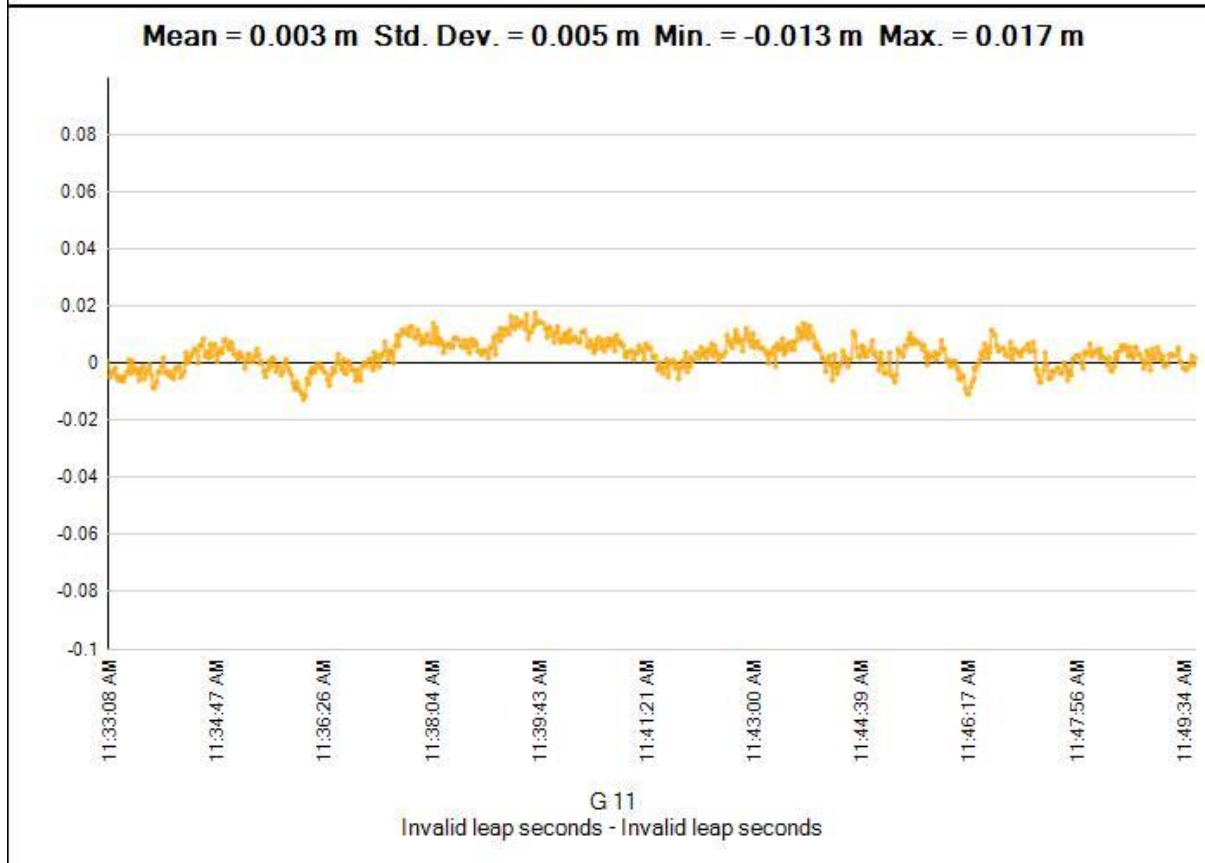
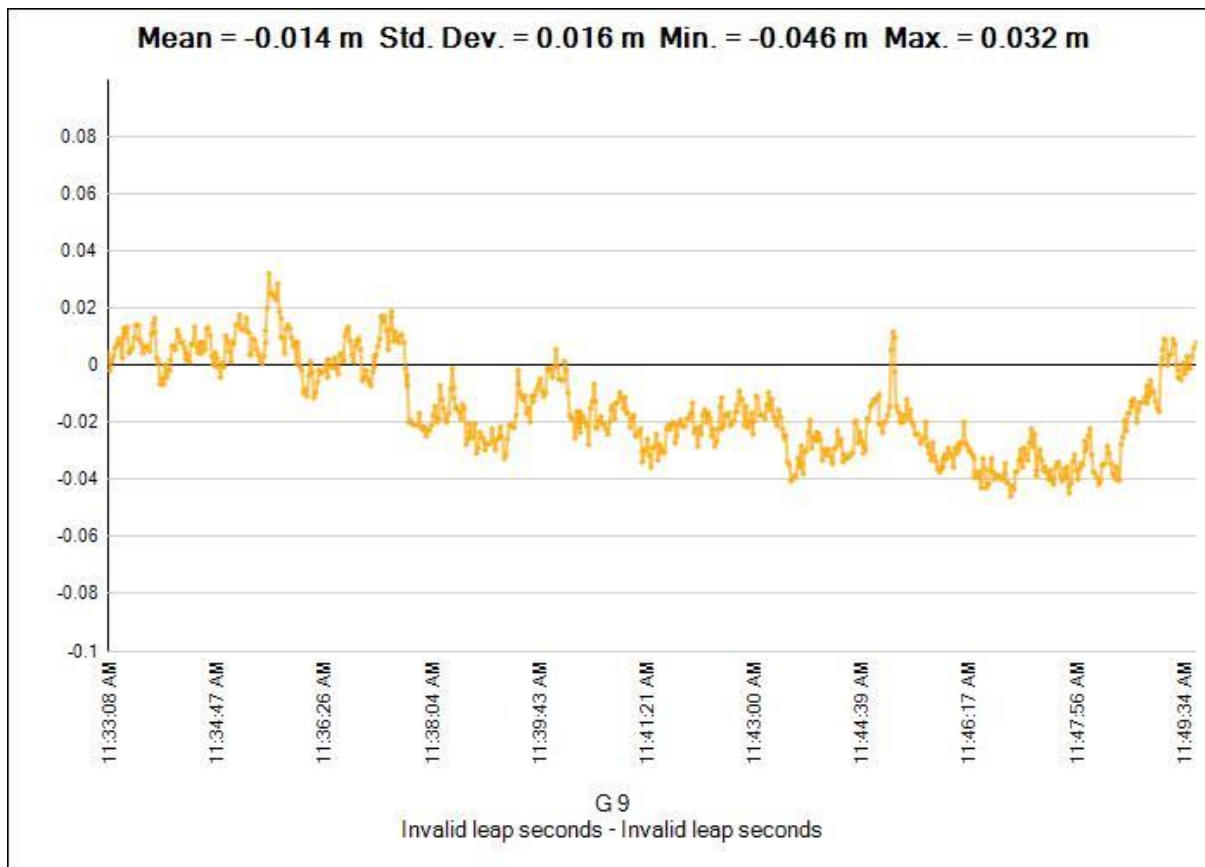
Tracking Summary

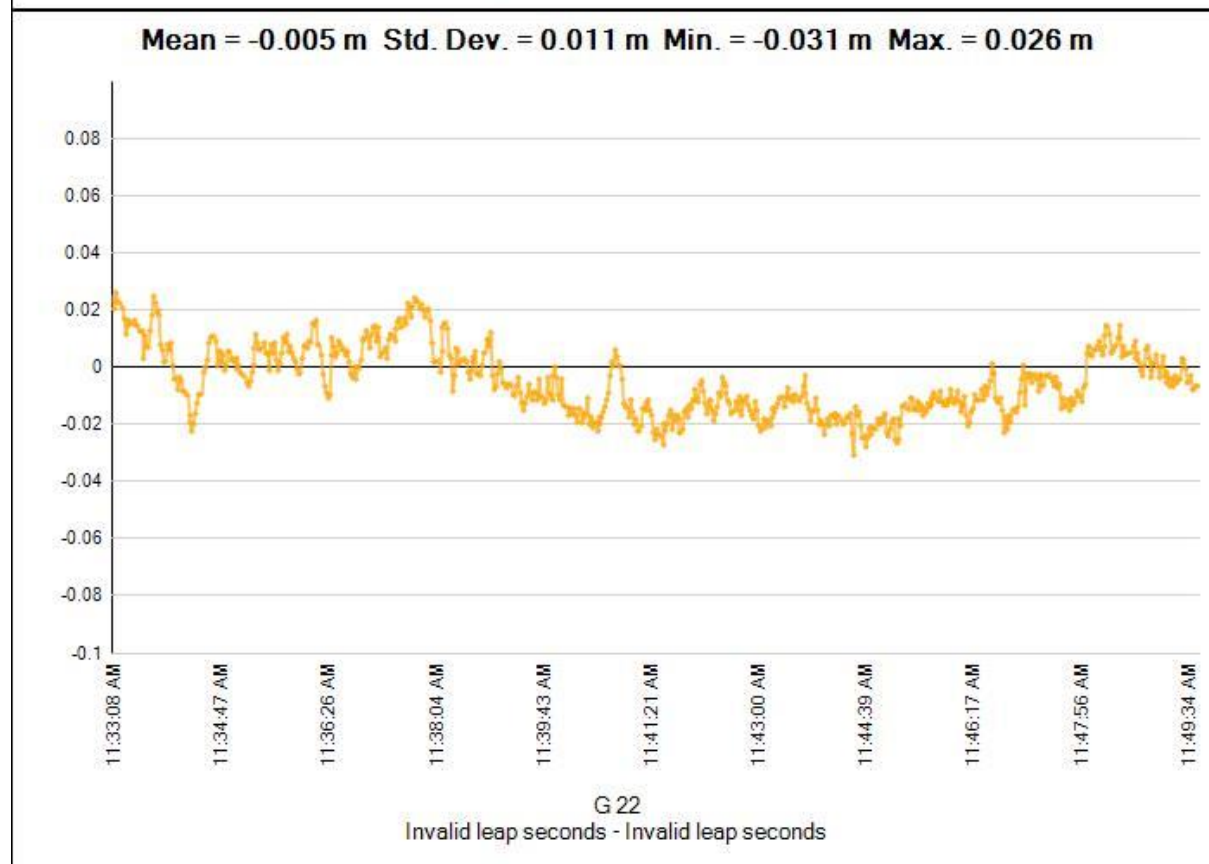
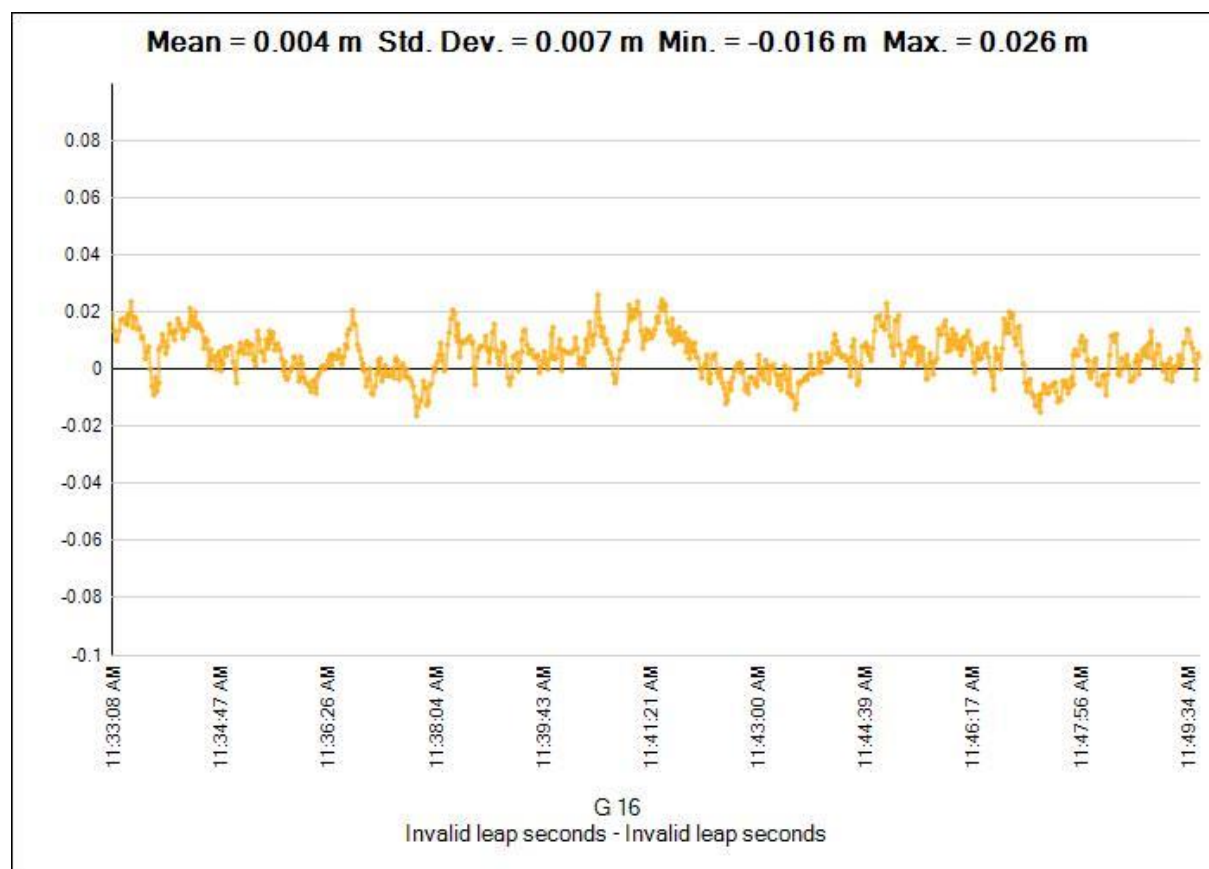
SV		Invalid leap seconds	Duration: 00:16:39.9000000	Major interval: 00:01:00	Invalid leap seconds
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	L2				
	L5				
G 3	L1				
	L2				
	L5				
G 7	L1				
	L2				
	L5				
G 8	L1				
	L2				
	L5				
G 9	L1				
	L2				
	L5				
G 11	L1				
	L2				
	L5				
G 16	L1				
	L2				
	L5				
G 22	L1				
	L2				
	L5				
G 23	L1				
	L2				
	L5				
G 26	L1				
	L2				
	L5				
G 30	L1				
	L2				
	L5				
R 9	L1				
	L2				
	L5				
R 10	L1				
	L2				
	L5				
R 11	L1				
	L2				
	L5				
R 21	L1				
	L2				
	L5				
R 22	L1				
	L2				
	L5				

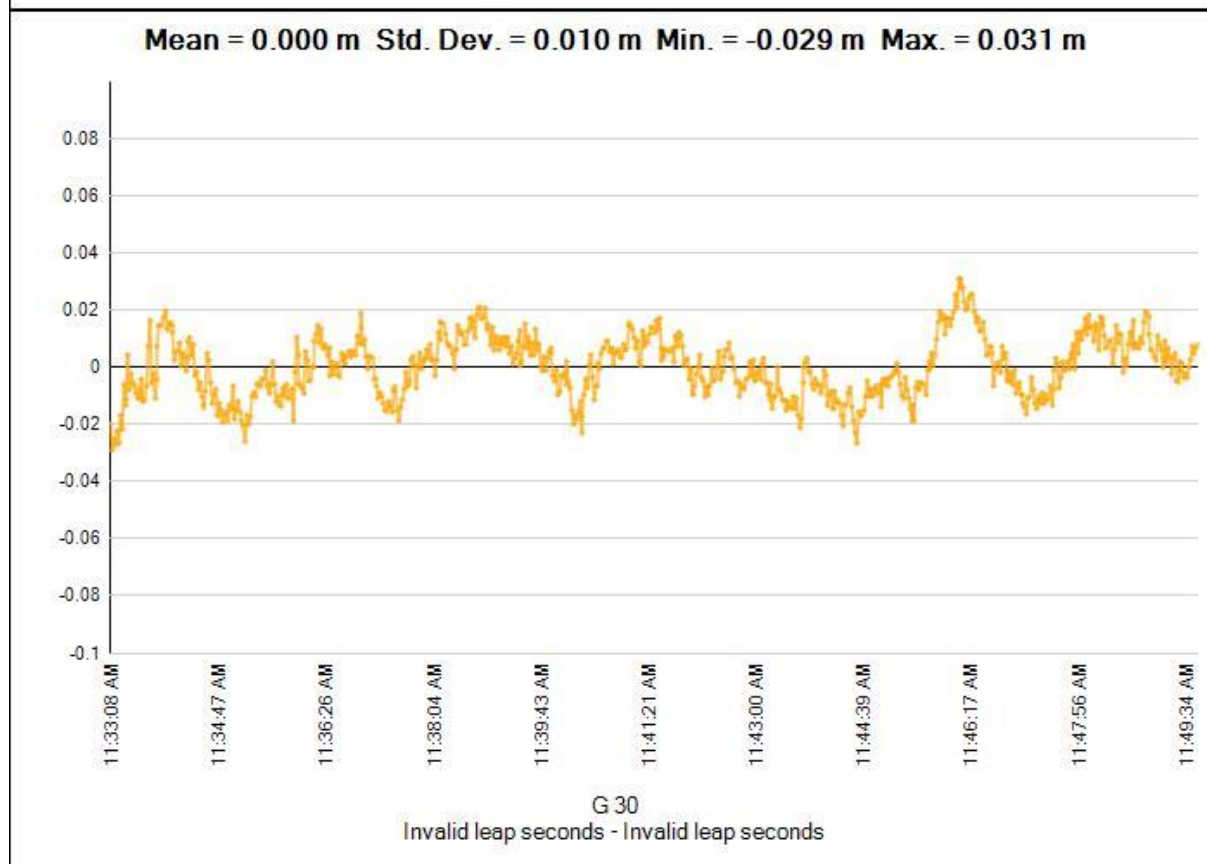
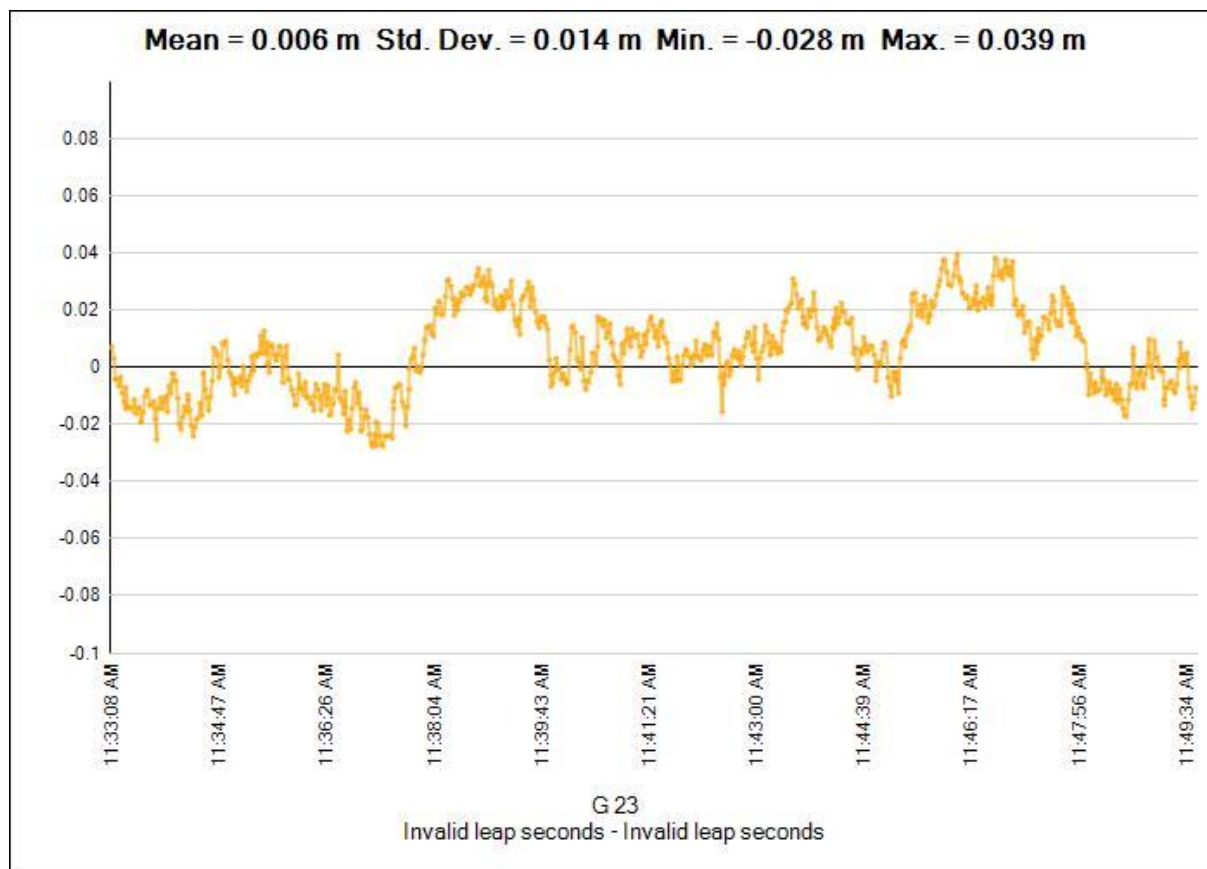
Residuals

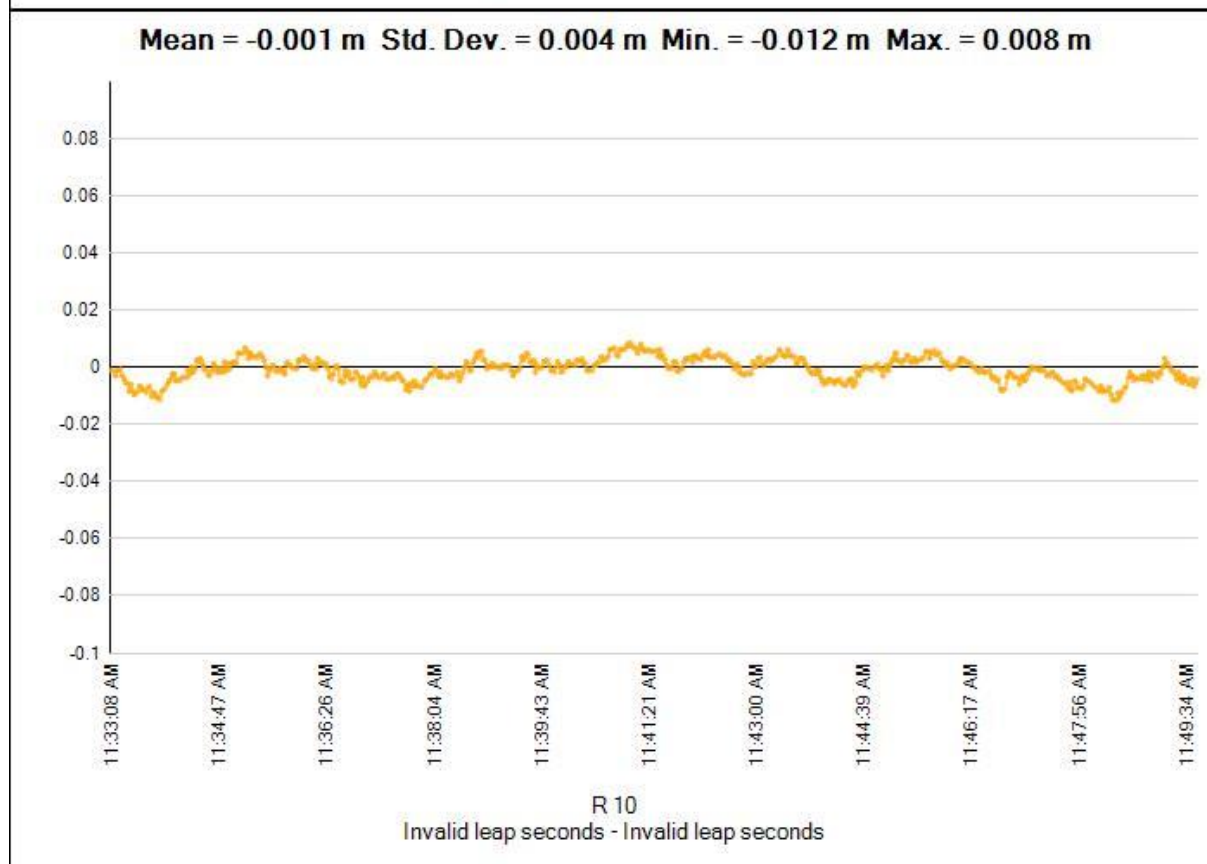
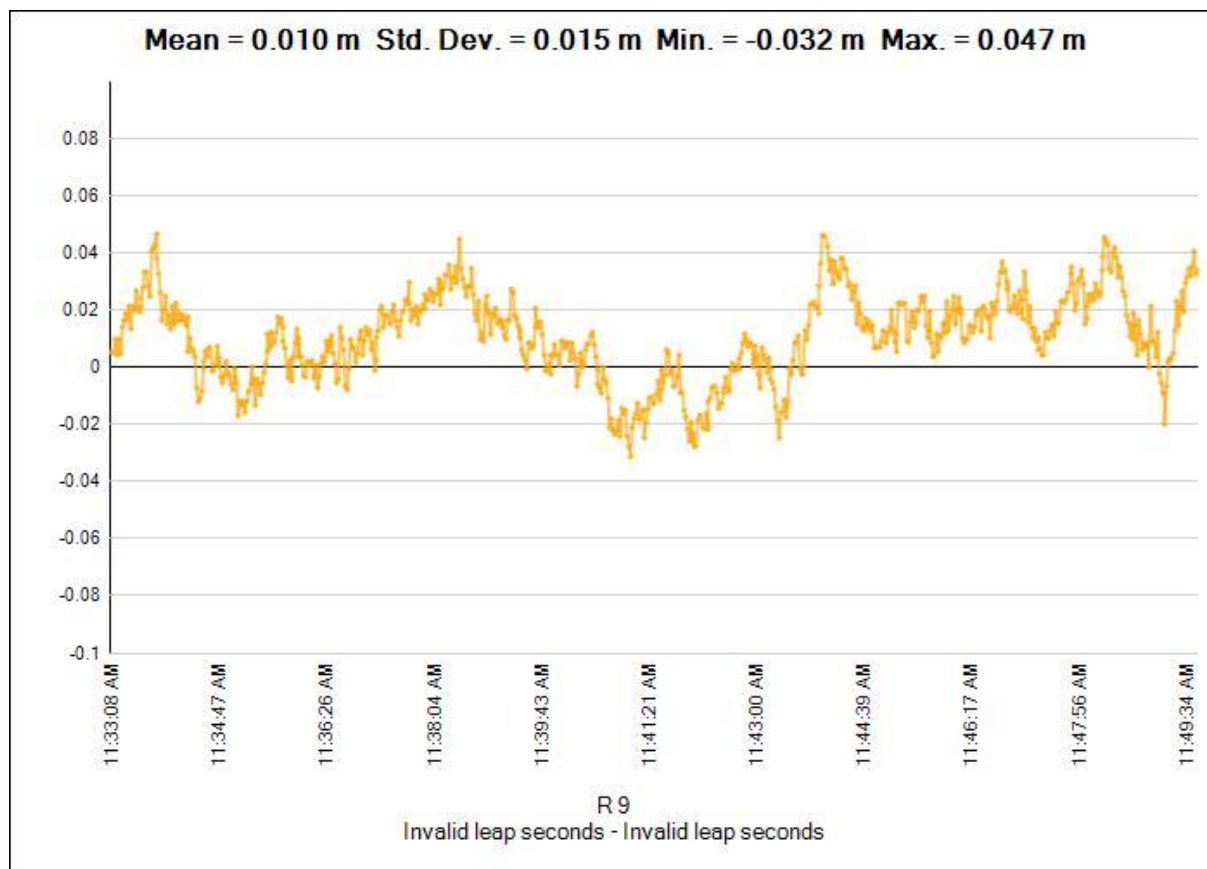


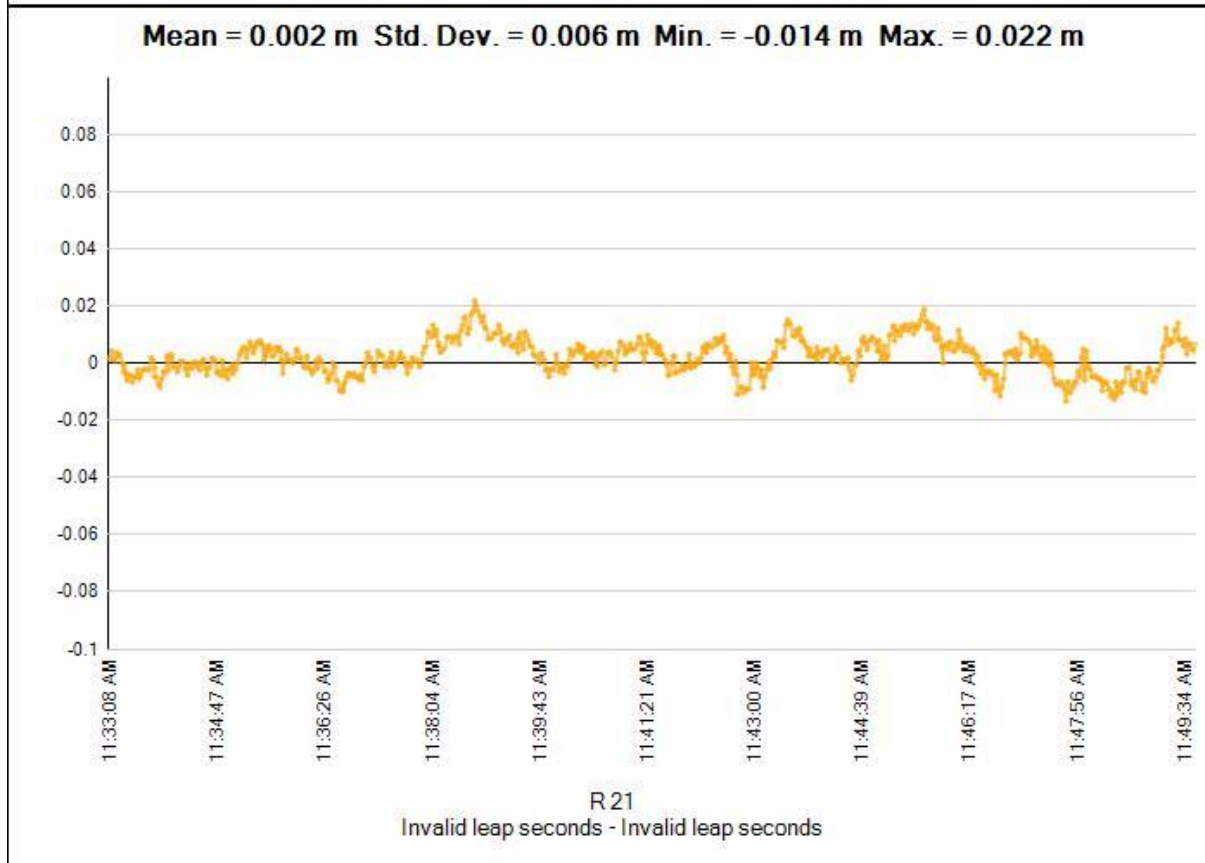
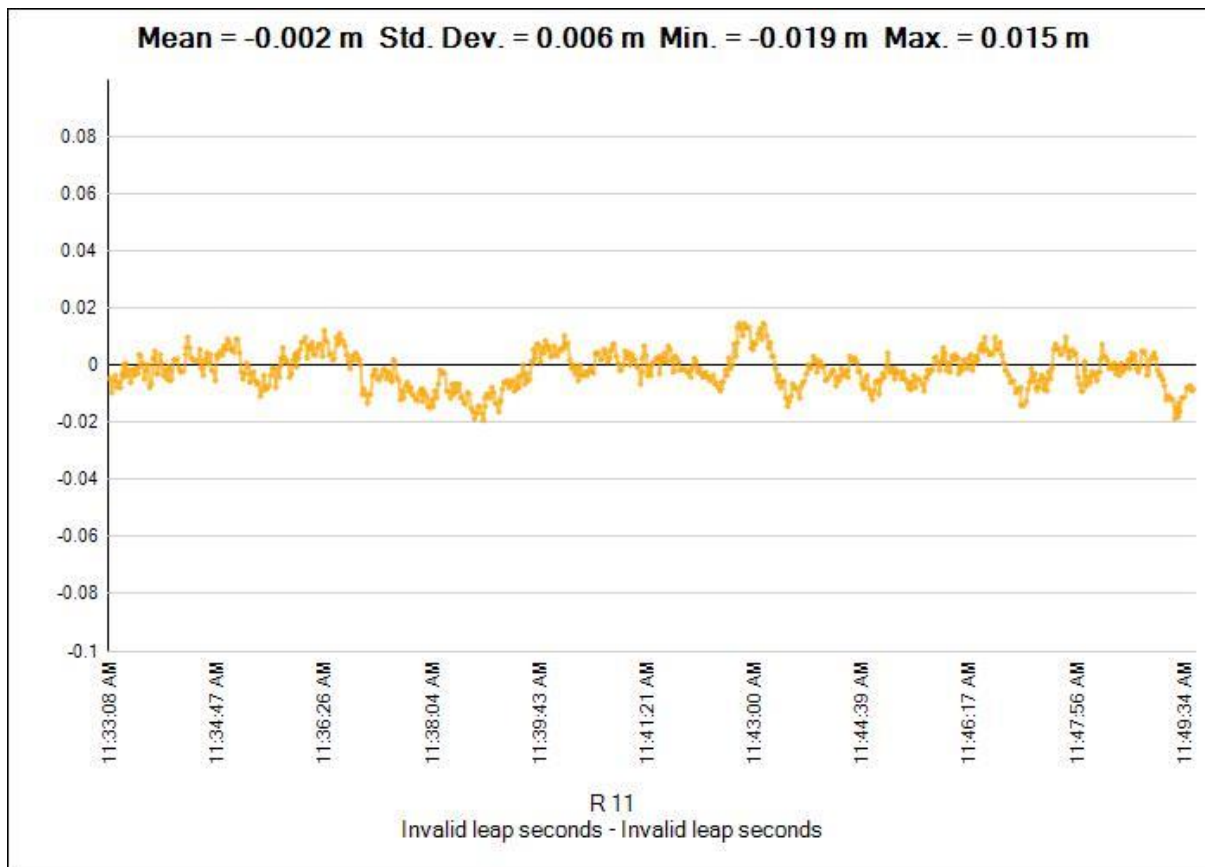


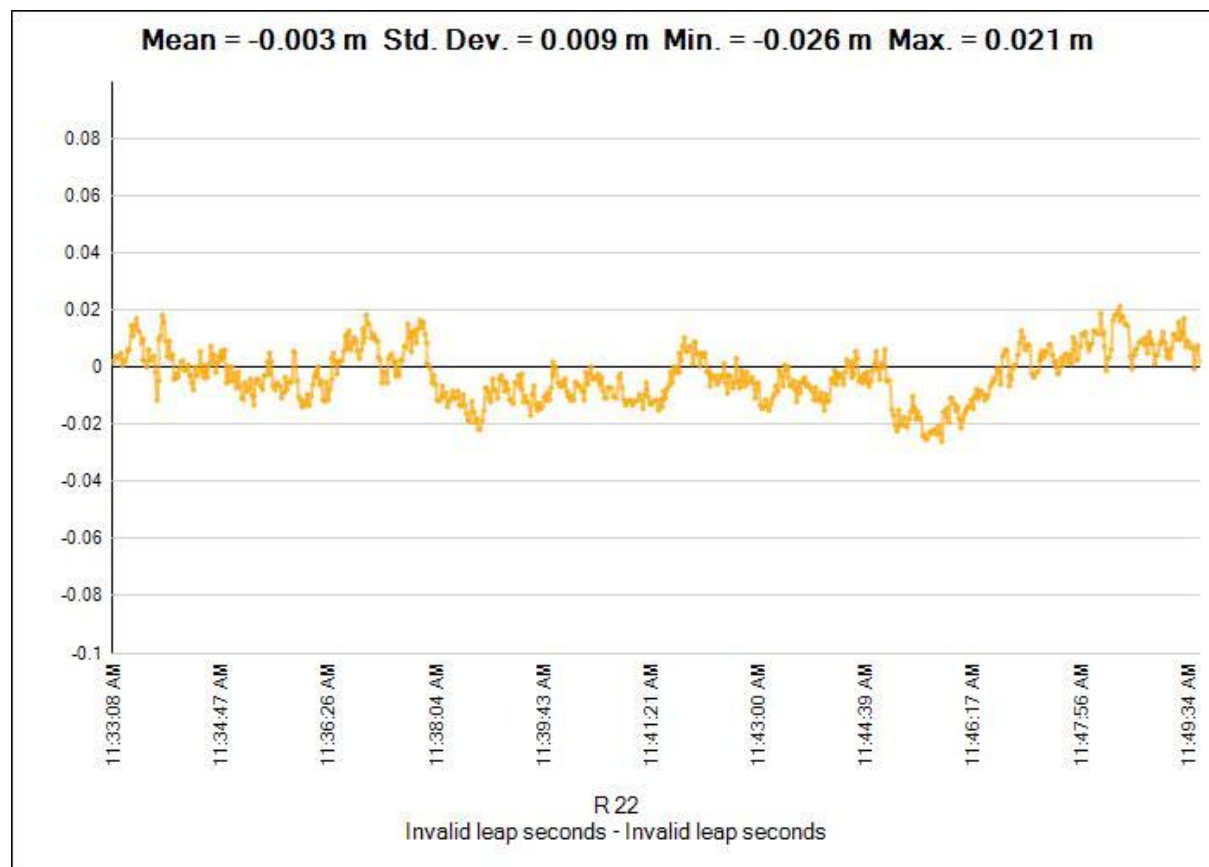












Processing style

Elevation mask: 10.0 deg
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: Use all data
Force float: No

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

2/13/2017 11:01:33 AM	J:\04NGRS\02CORS\CORS activiteiten & storingen\Test meting CORS SRZN\Test SRZN_ _Base line T.o.v.Paramaribo.vce	Trimble Business Center
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Project file data		Coordinate System	
Name:	J:\04NGRS\02CORS\CORS activiteiten & storingen\Test meting CORS SRZN\Test SRZN__Base line T.o.v.Zanderij.vce	Name:	UTM
Size:	53 KB	Datum:	WGS 1984
Modified:	8/8/2016 3:46:55 PM (UTC:-3)	Zone:	21 North (57W)
Time zone:	Argentina Standard Time	Geoid:	
Reference number:		Vertical datum:	
Description:			
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)	Δ Height (Meter)
SRZN --- Punt01 (B28)	SRZN	Punt01	Fixed	0.008	0.011	3°45'26"	15031.338	-11.564

Acceptance Summary

Processed	Passed	Flag		Fail	
1	1	0		0	

SRZN - Punt01 (Invalid leap seconds-Invalid leap seconds) (S4)

Baseline observation:	SRZN --- Punt01 (B28)
Processed:	Invalid leap seconds
Solution type:	Fixed
Frequency used:	Multiple Frequencies
Horizontal precision:	0.008 m
Vertical precision:	0.011 m
RMS:	0.014 m
Maximum PDOP:	1.772
Ephemeris used:	Broadcast
Antenna model:	NGS Absolute
Processing start time:	Invalid leap seconds (Local: UTC-3hr)
Processing stop time:	Invalid leap seconds (Local: UTC-3hr)
Processing duration:	00:22:22
Processing interval:	1 second

Vector Components (Mark to Mark)

From:	SRZN				
Grid		Local		Global	
Easting	699085.163 m	Latitude	N5°27'20.31169"	Latitude	N5°27'20.31169"
Northing	603327.531 m	Longitude	W55°12'11.07395"	Longitude	W55°12'11.07395"
Elevation	-17.190 m	Height	-17.190 m	Height	-17.190 m

To:	Punt01				
Grid		Local		Global	
Easting	700024.935 m	Latitude	N5°35'28.59398"	Latitude	N5°35'28.59398"
Northing	618330.862 m	Longitude	W55°11'39.06902"	Longitude	W55°11'39.06902"
Elevation	-28.754 m	Height	-28.754 m	Height	-28.754 m

Vector					
Δ Easting	939.772 m	NS Fwd Azimuth	3°45'26"	Δ X	-21.644 m
Δ Northing	15003.331 m	Ellipsoid Dist.	15031.338 m	Δ Y	1757.148 m
Δ Elevation	-11.564 m	Δ Height	-11.564 m	Δ Z	14928.210 m

Standard Errors

Vector errors:

$\sigma \Delta$ Easting	0.003 m	σ NS fwd Azimuth	0°00'00"	$\sigma \Delta$ X	0.004 m
$\sigma \Delta$ Northing	0.002 m	σ Ellipsoid Dist.	0.002 m	$\sigma \Delta$ Y	0.005 m
$\sigma \Delta$ Elevation	0.006 m	$\sigma \Delta$ Height	0.006 m	$\sigma \Delta$ Z	0.003 m

Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0000199001		
Y	-0.0000102981	0.0000215099	
Z	0.0000013346	-0.0000038474	0.0000066141

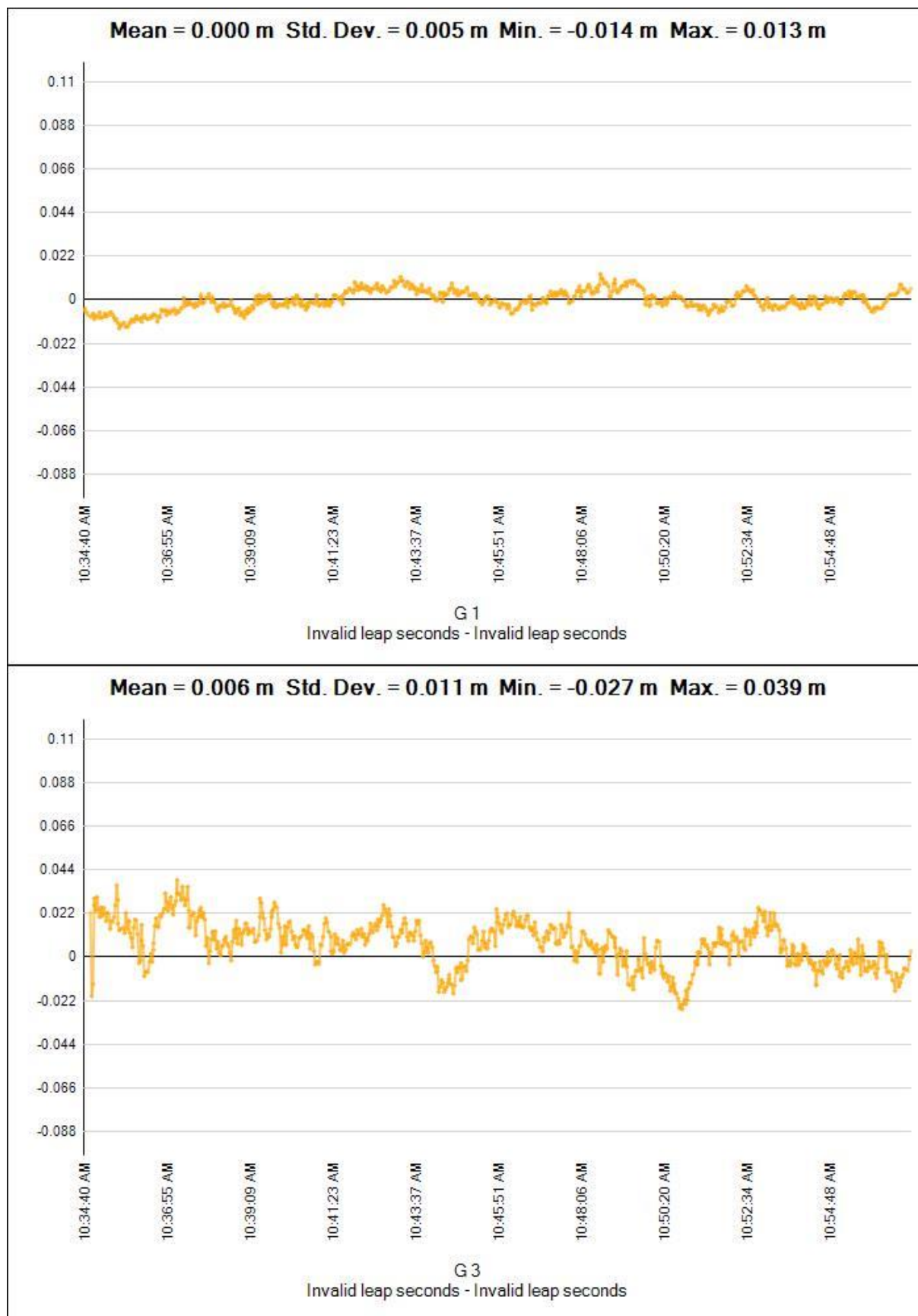
Occupations

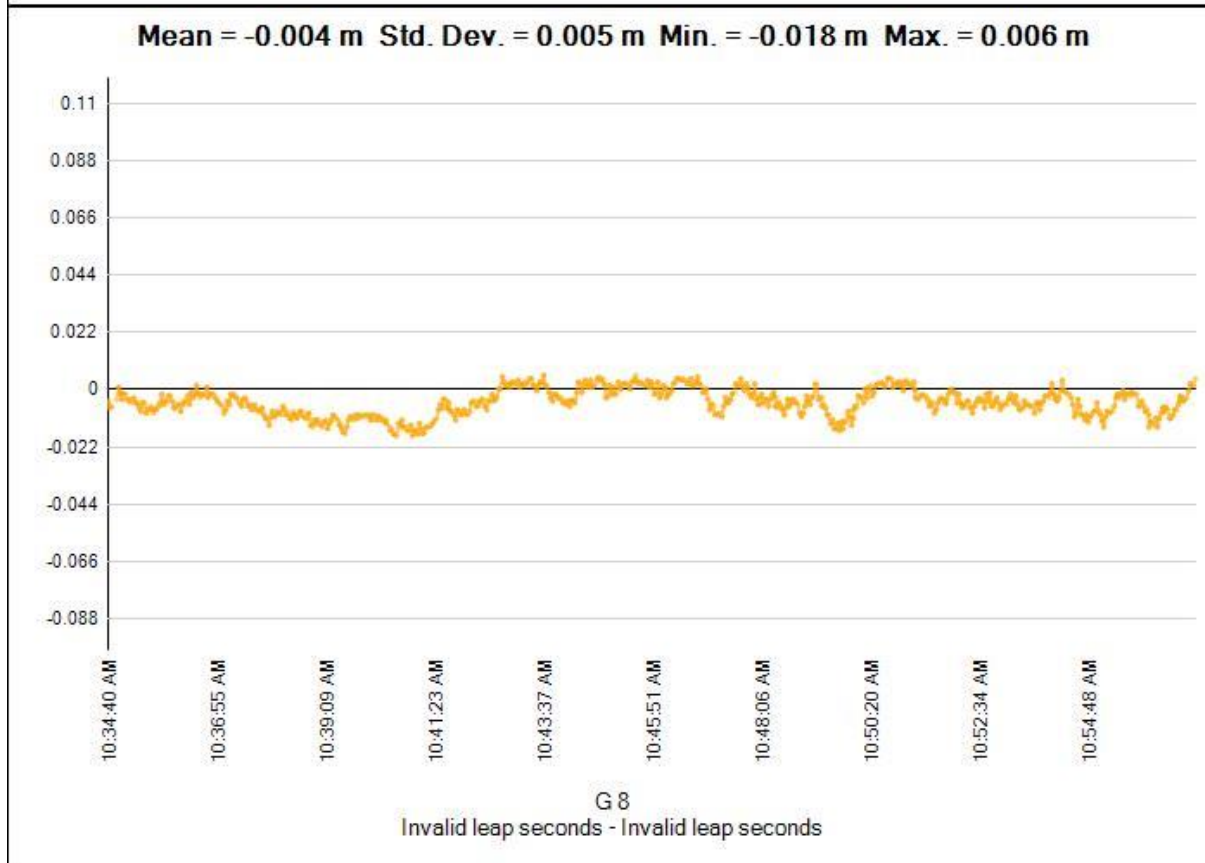
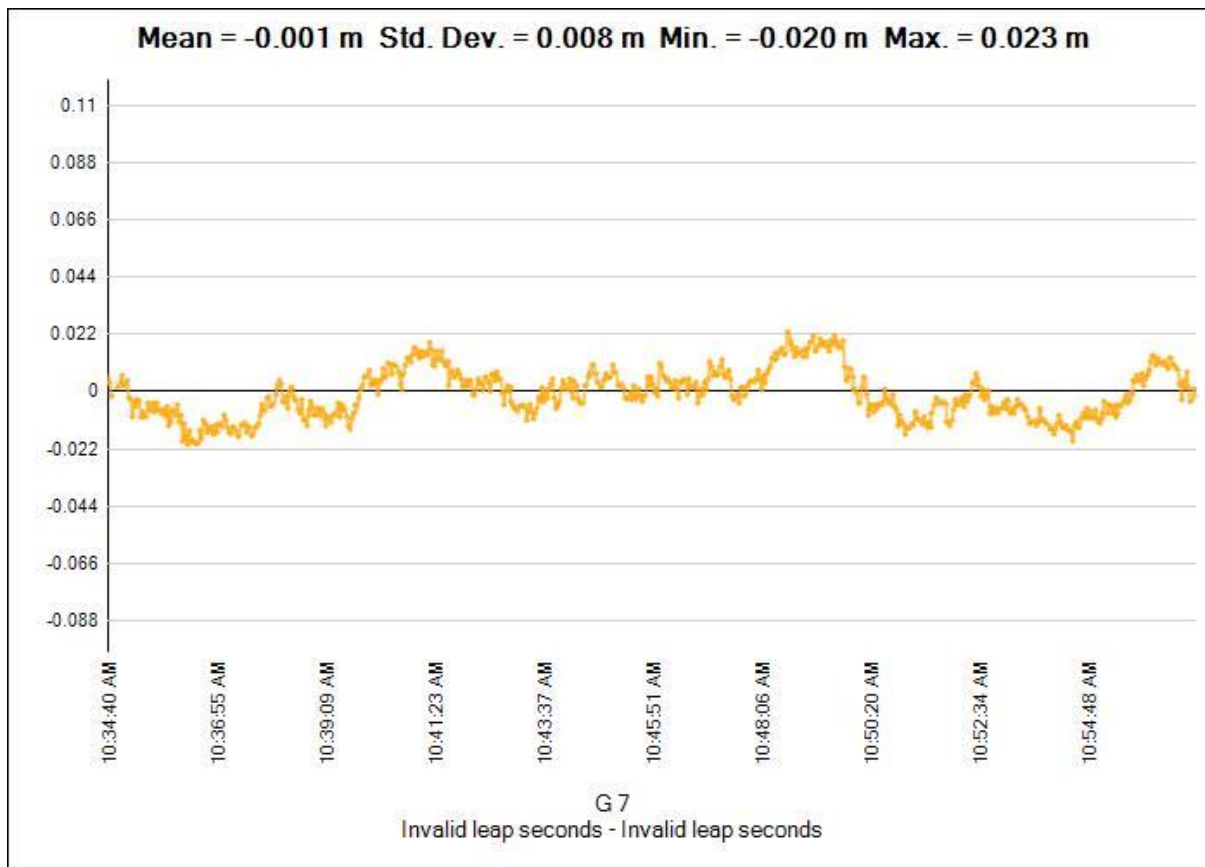
	From	To
Point ID:	SRZN	Punt01
Data file:	J:\04NGRS\02CORS\CORS activiteiten & storingen\Test meting CORS SRZN\Test SRZN_ _\Base line T.o.v.Zanderij\SRZN218j.16o	J:\04NGRS\02CORS\CORS activiteiten & storingen\Test meting CORS SRZN\Test SRZN_ _\Base line T.o.v.Zanderij\5443R50003201608051320B.T02
Receiver type:	GR10	NetR9
Receiver serial number:	1703626	5443R50003
Antenna type:	AR10	Zephyr Geodetic 2 RoHS
Antenna serial number:	18166034	-----
Antenna height (measured):	0.000 m	1.491 m
Antenna method:	Bottom of antenna mount	Bottom of antenna mount

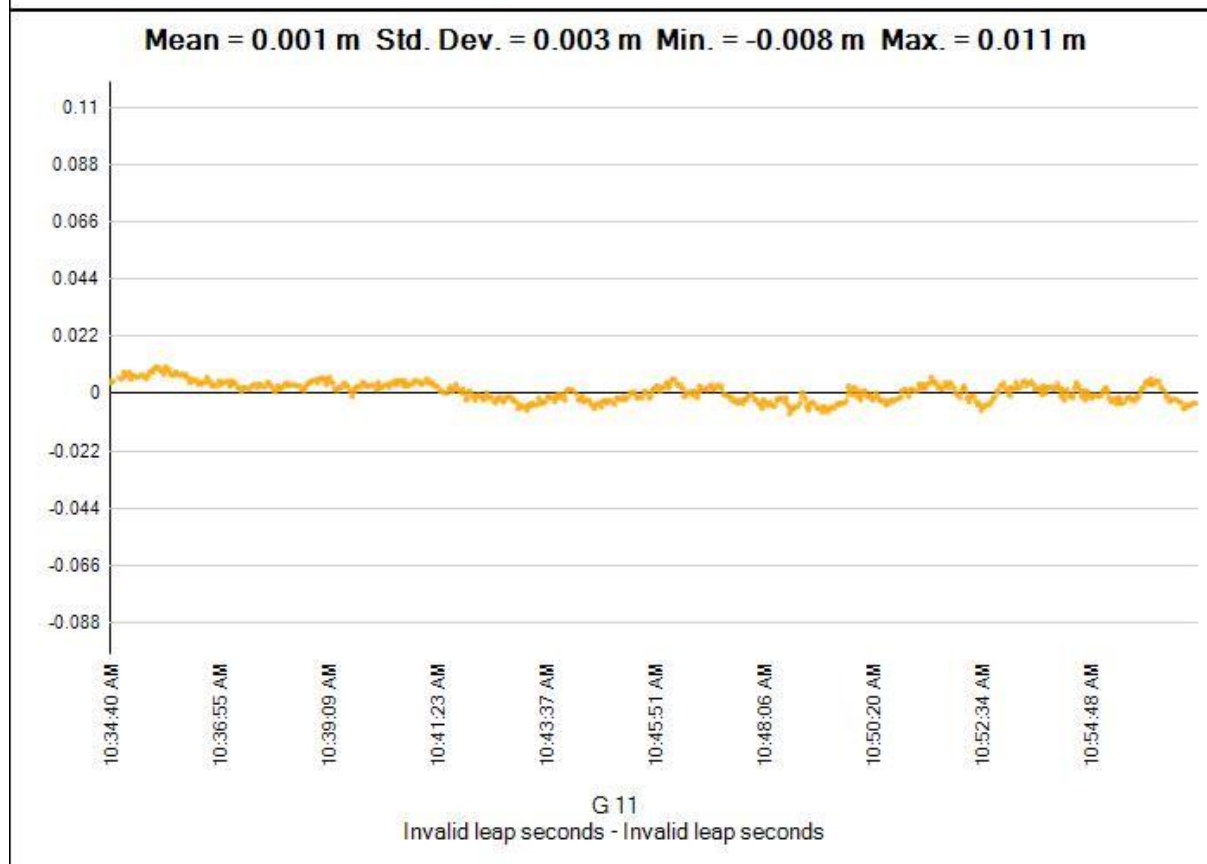
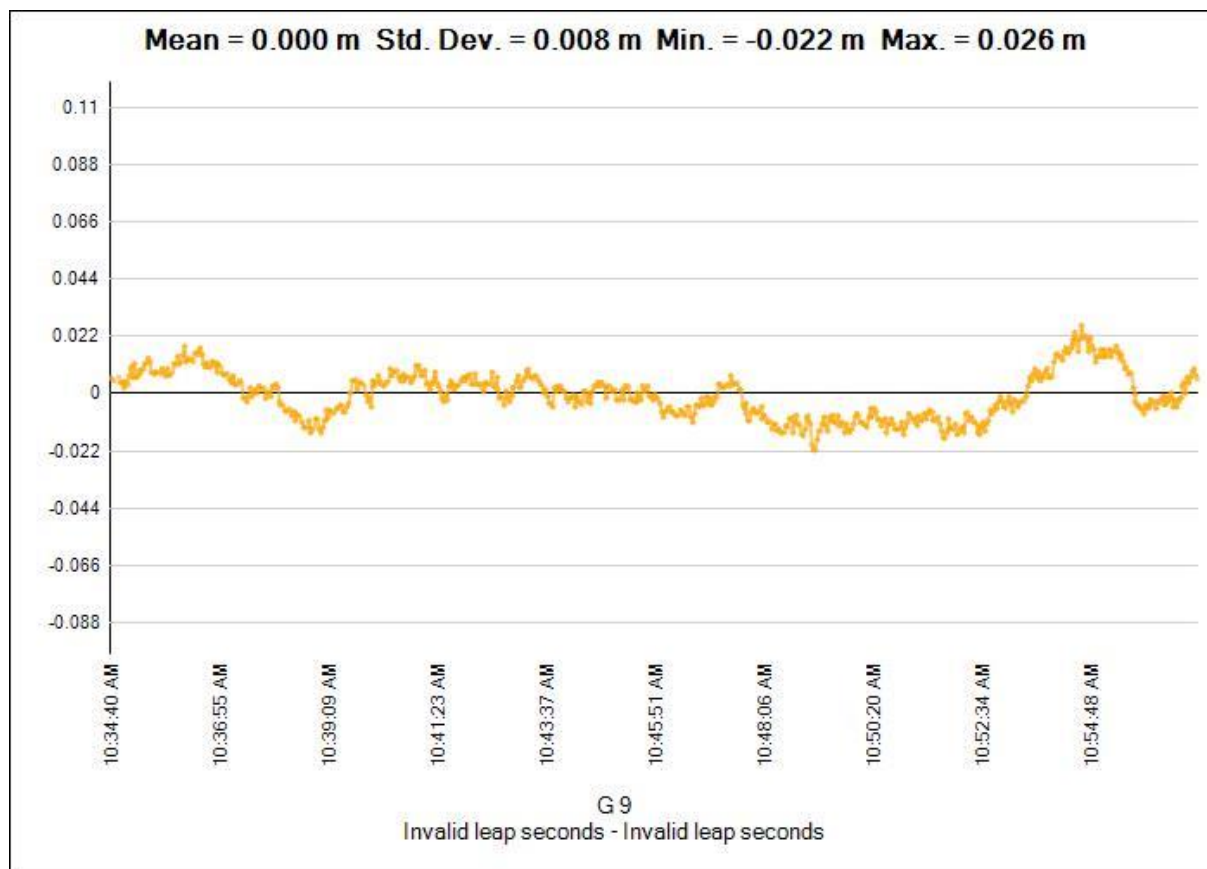
Tracking Summary

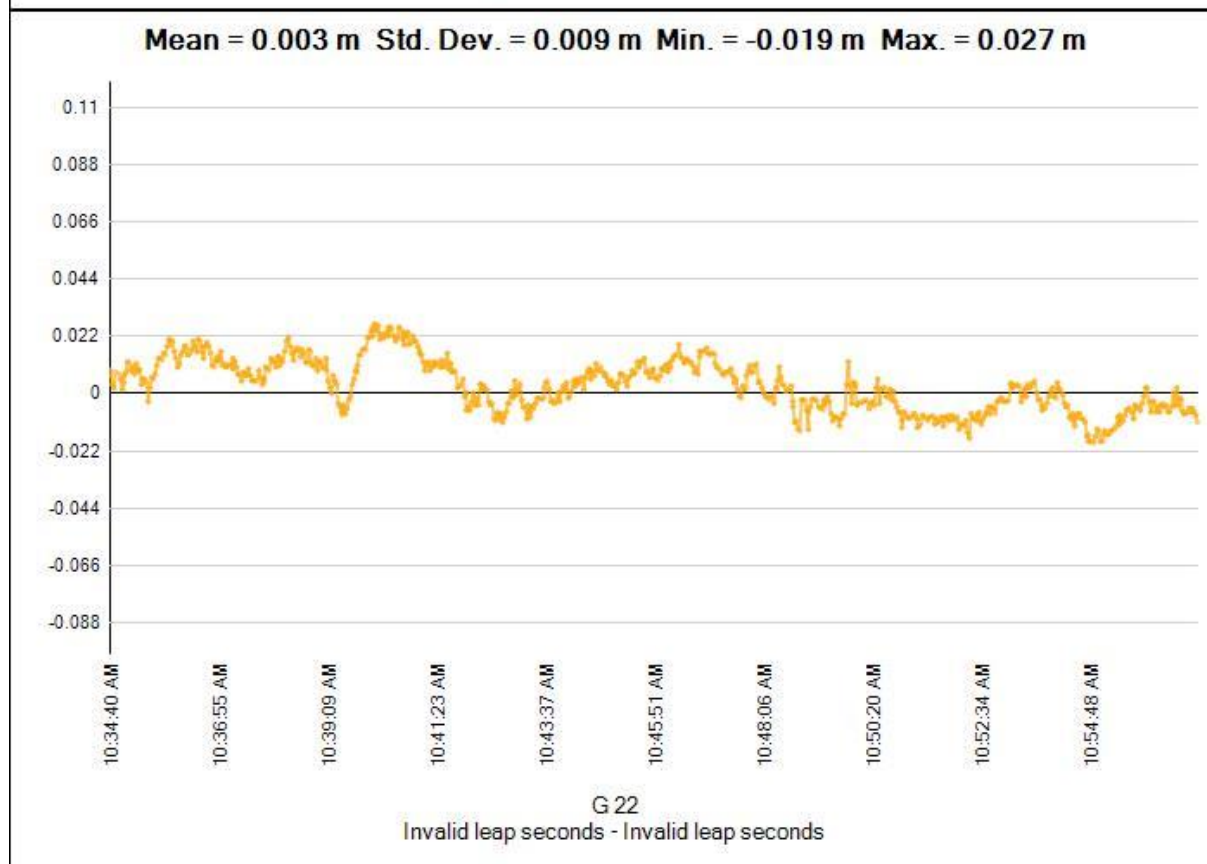
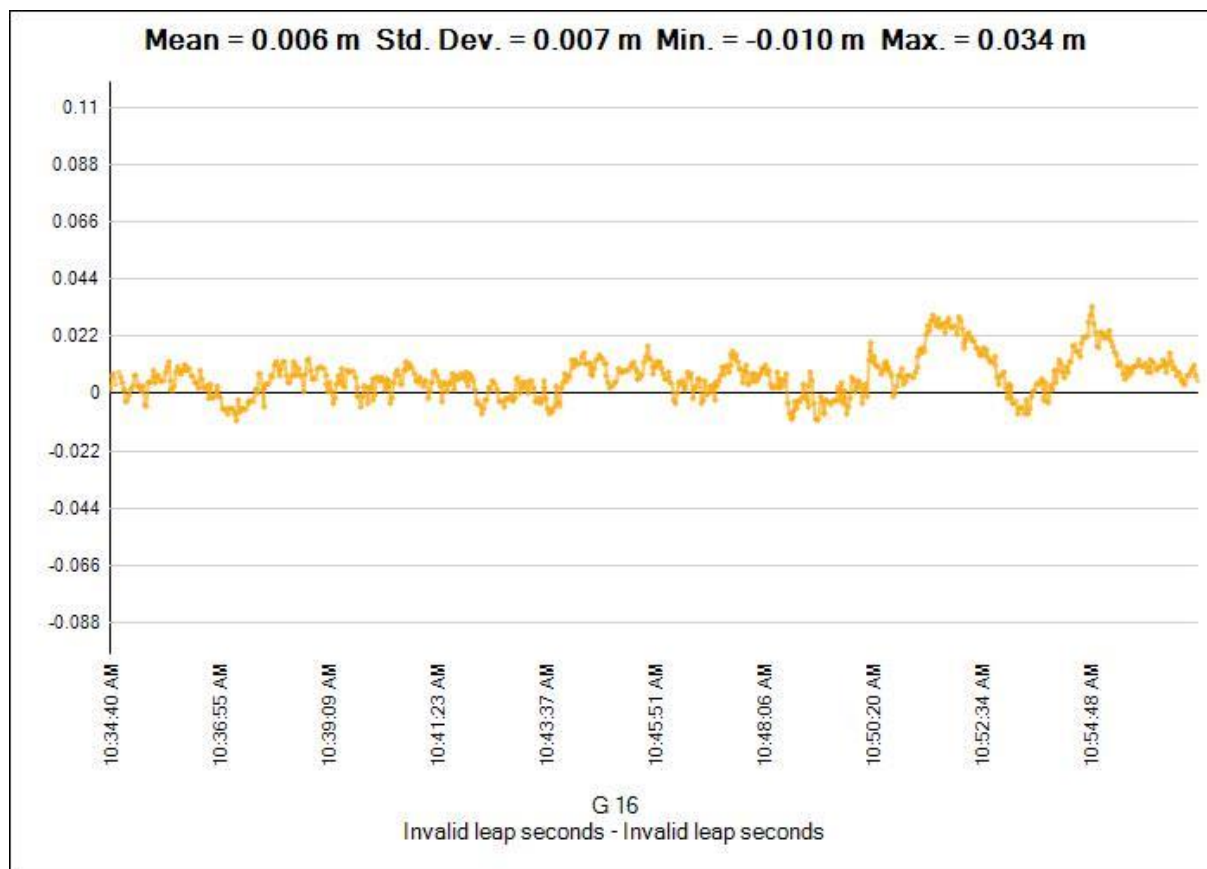
SV	Invalid leap seconds	Duration: 00:22:22	Major interval: 00:01:00	Invalid leap seconds
G 1	L1 L2 L5			
G 3	L1 L2 L5			
G 7	L1 L2			
G 8	L1 L2 L5			
G 9	L1 L2 L5			
G 11	L1 L2			
G 16	L1 L2			
G 22	L1 L2			
G 23	L1 L2			
G 26	L1 L2 L5			
G 27	L1 L2 L5			
G 31	L1 L2			
R 9	L1 L2			
R 10	L1 L2			
R 11	L1 L2			
R 20	L1 L2			
R 21	L1 L2			
R 22	L1 L2			

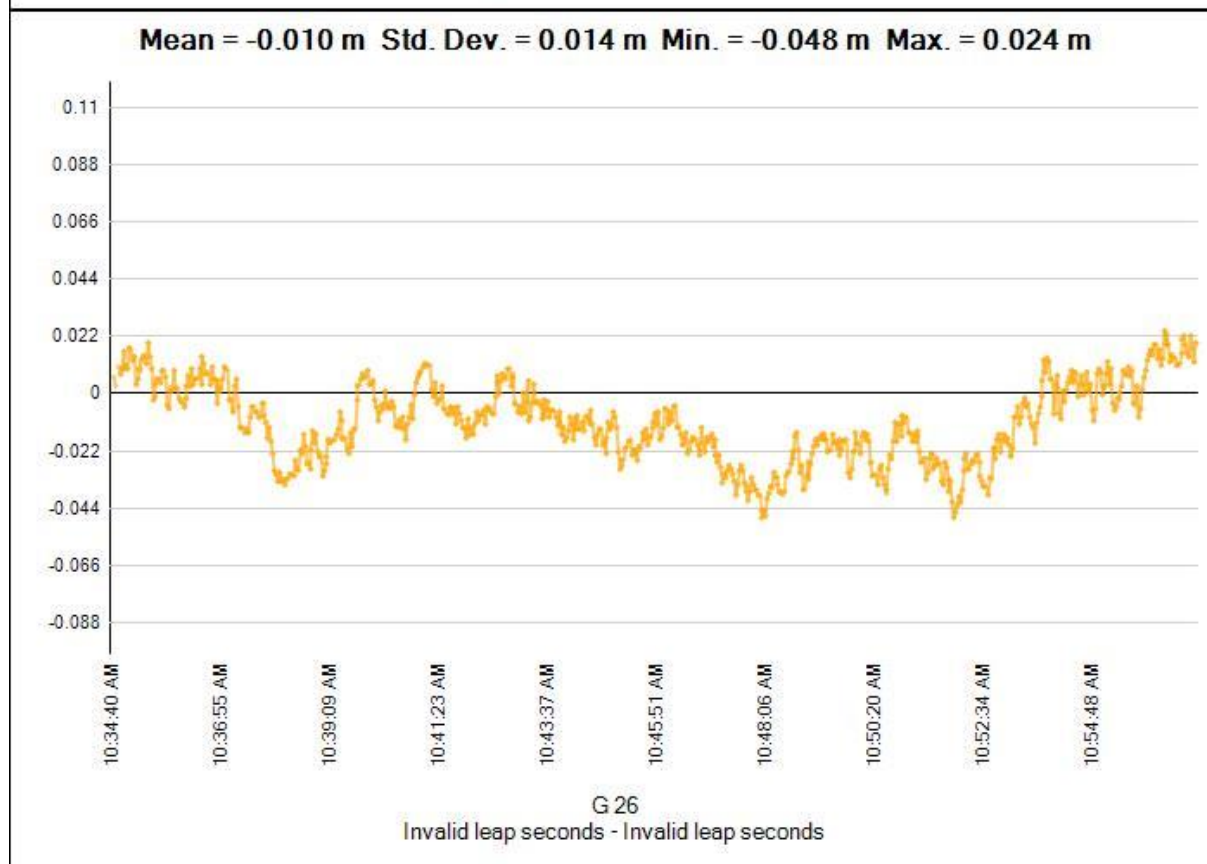
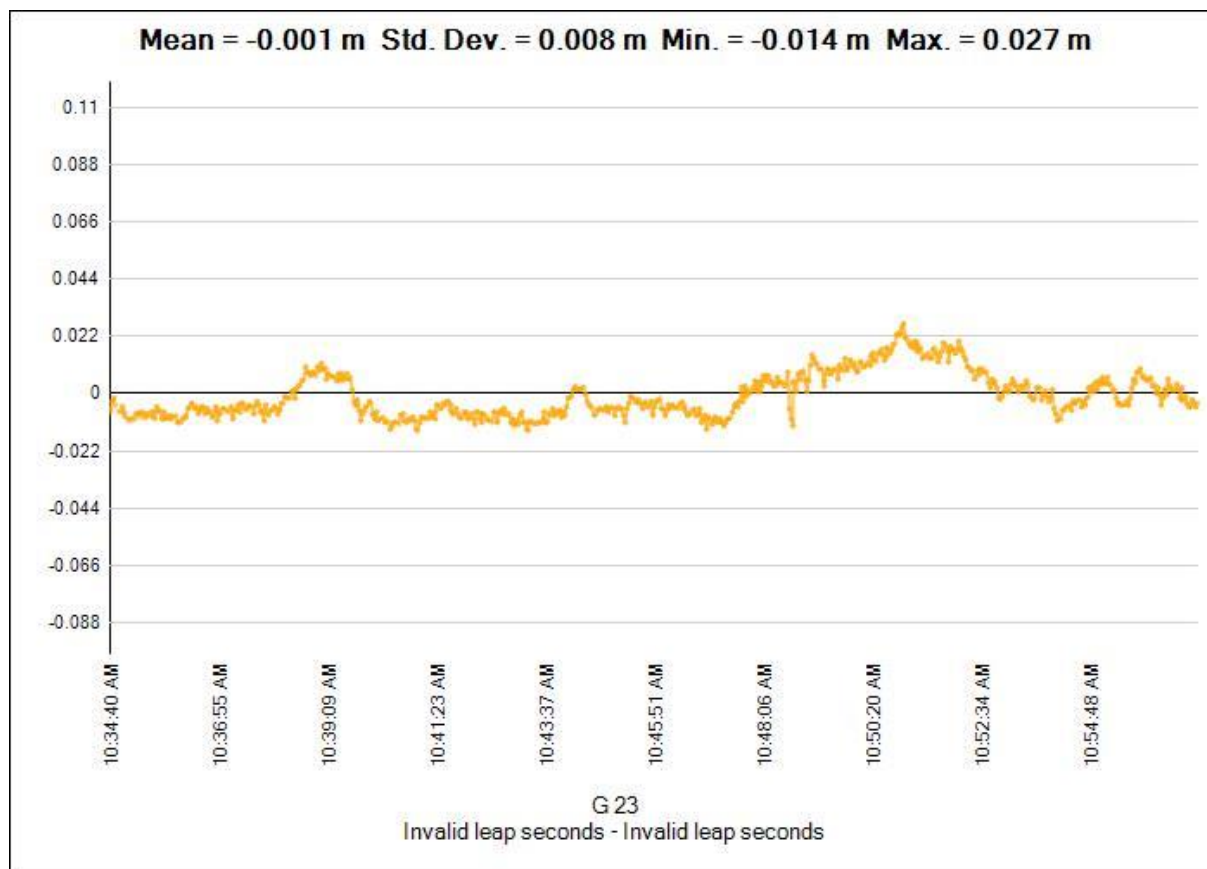
Residuals

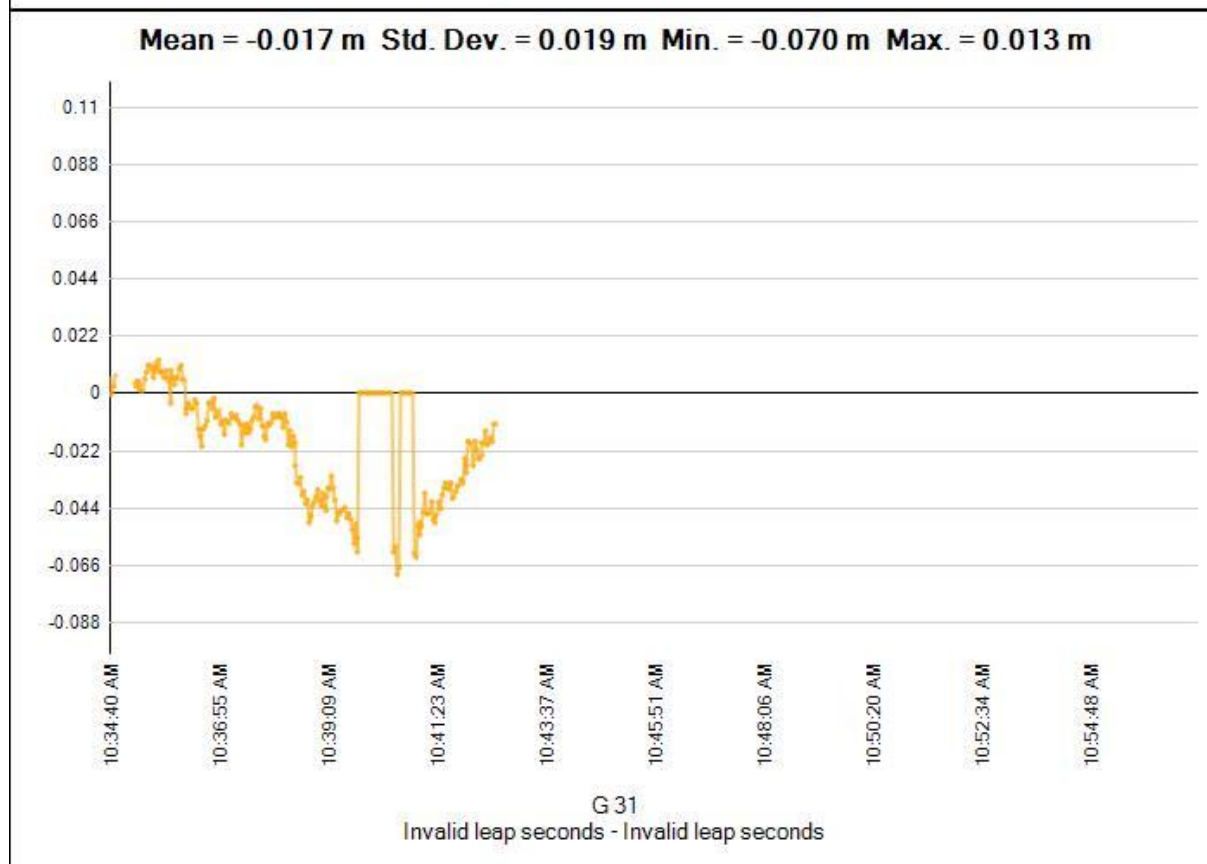
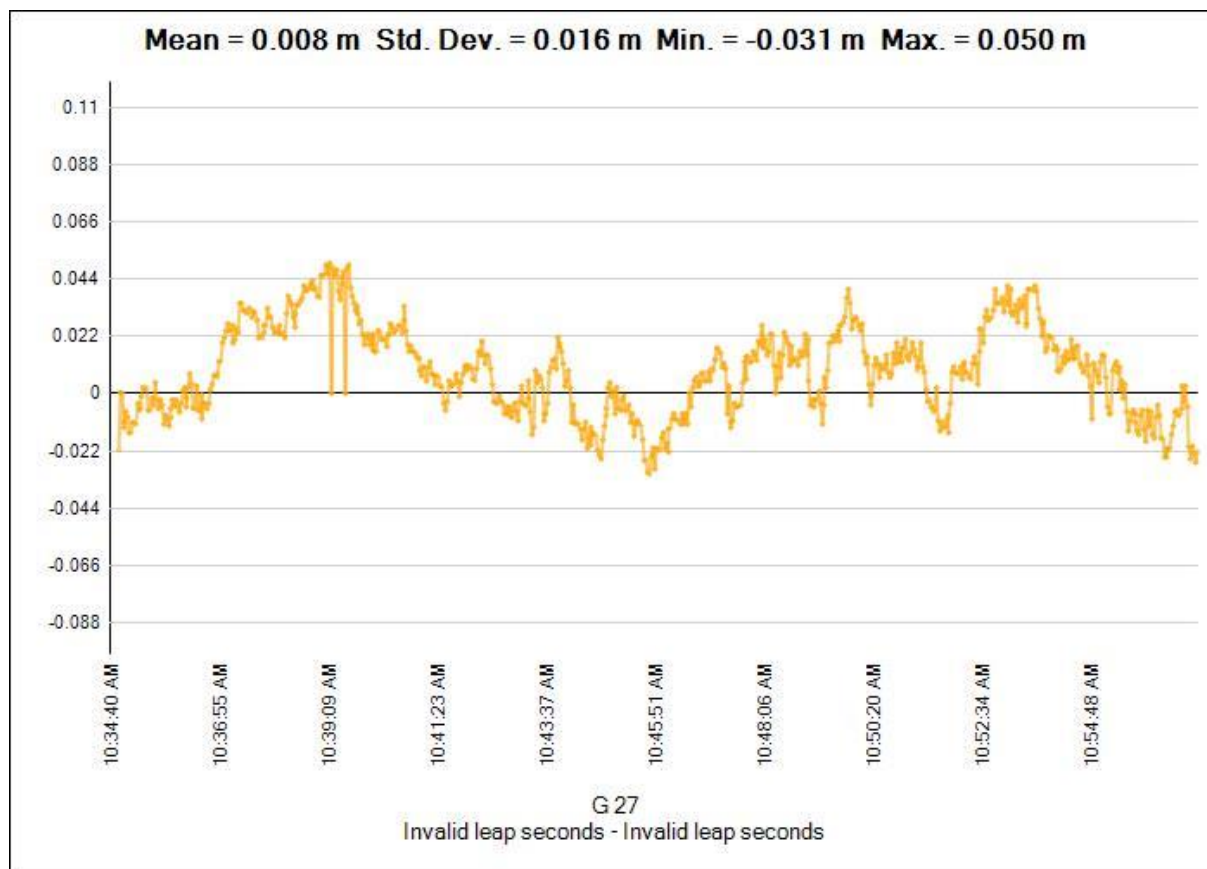


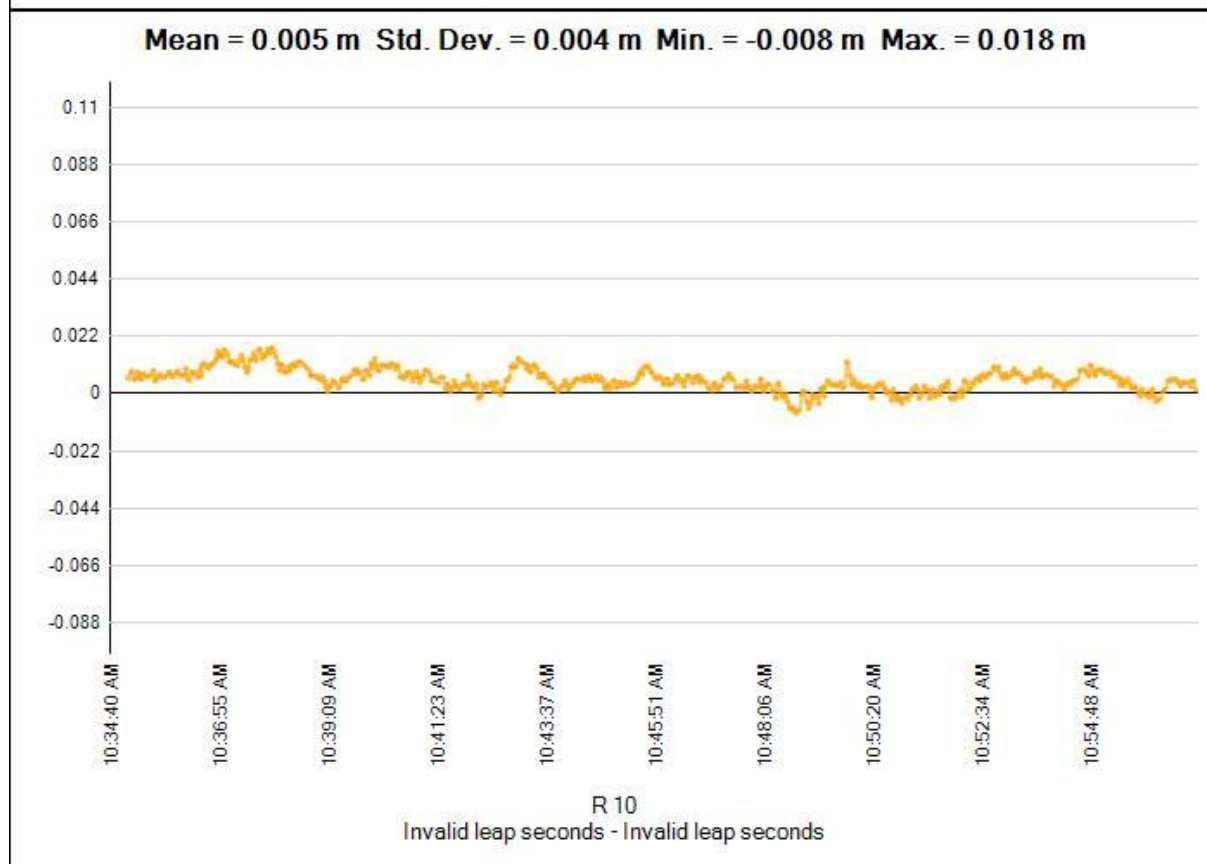
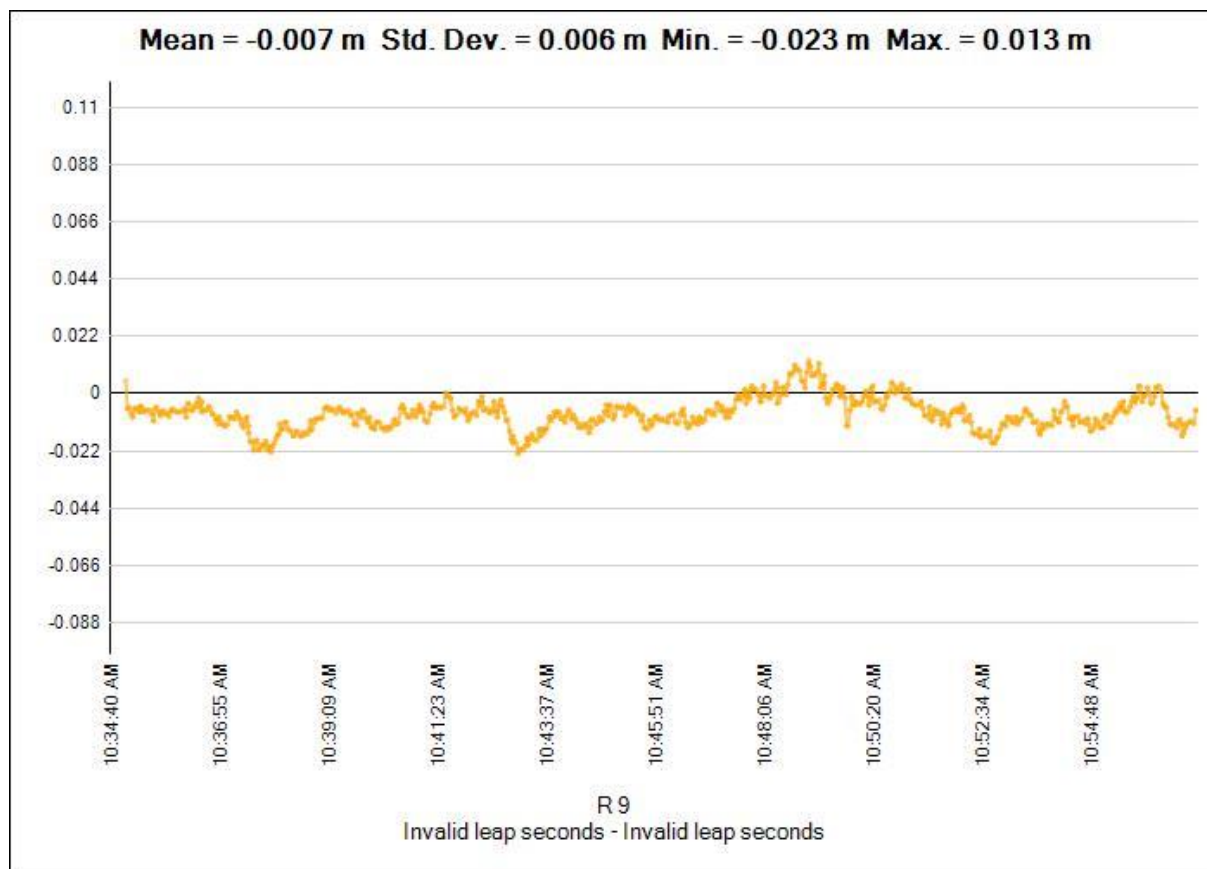


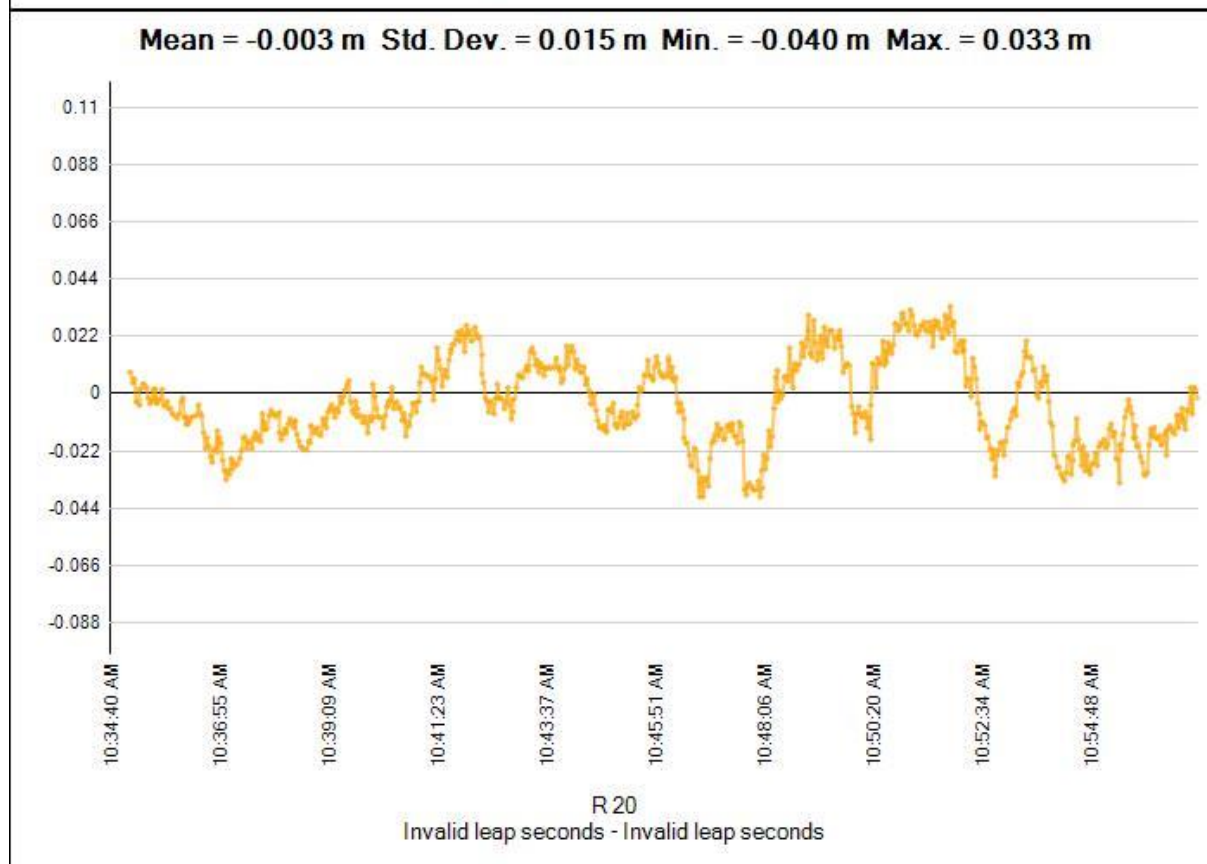
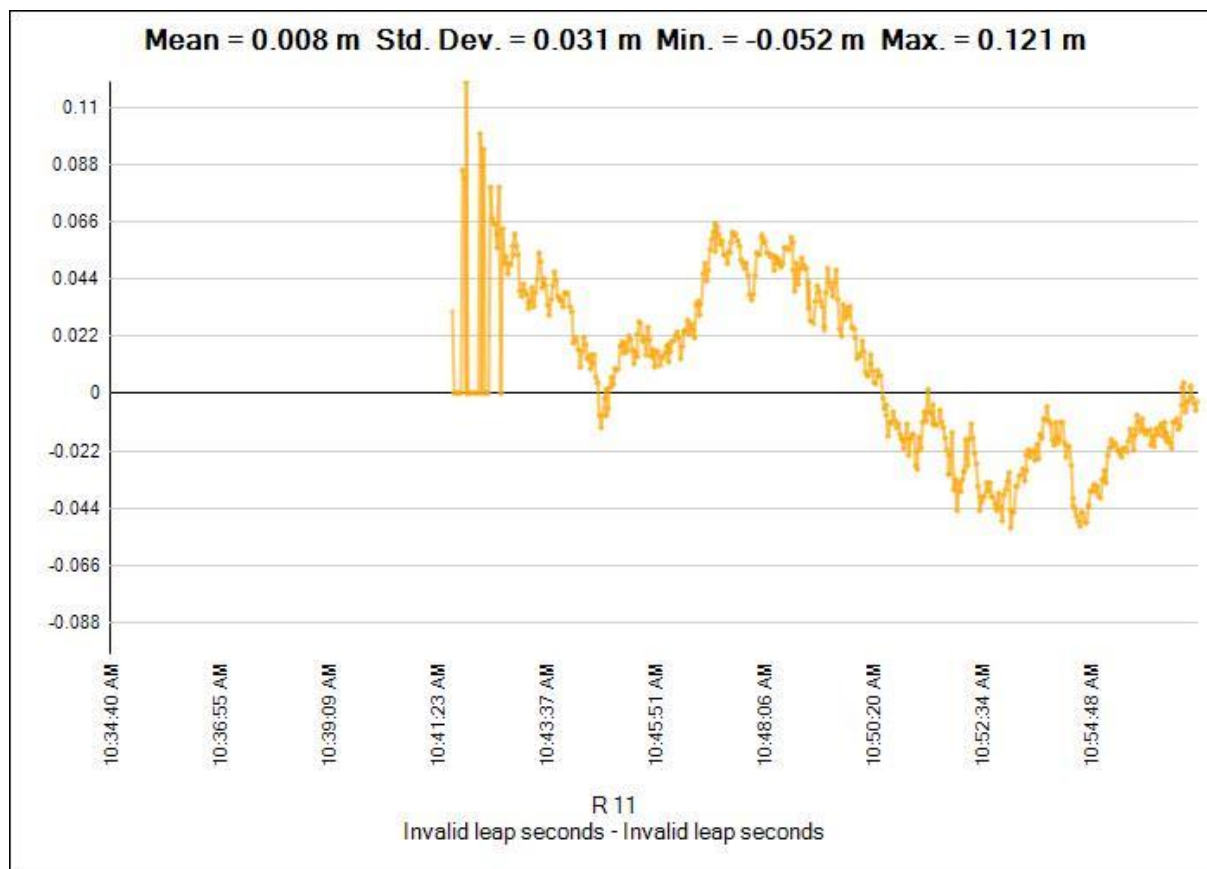


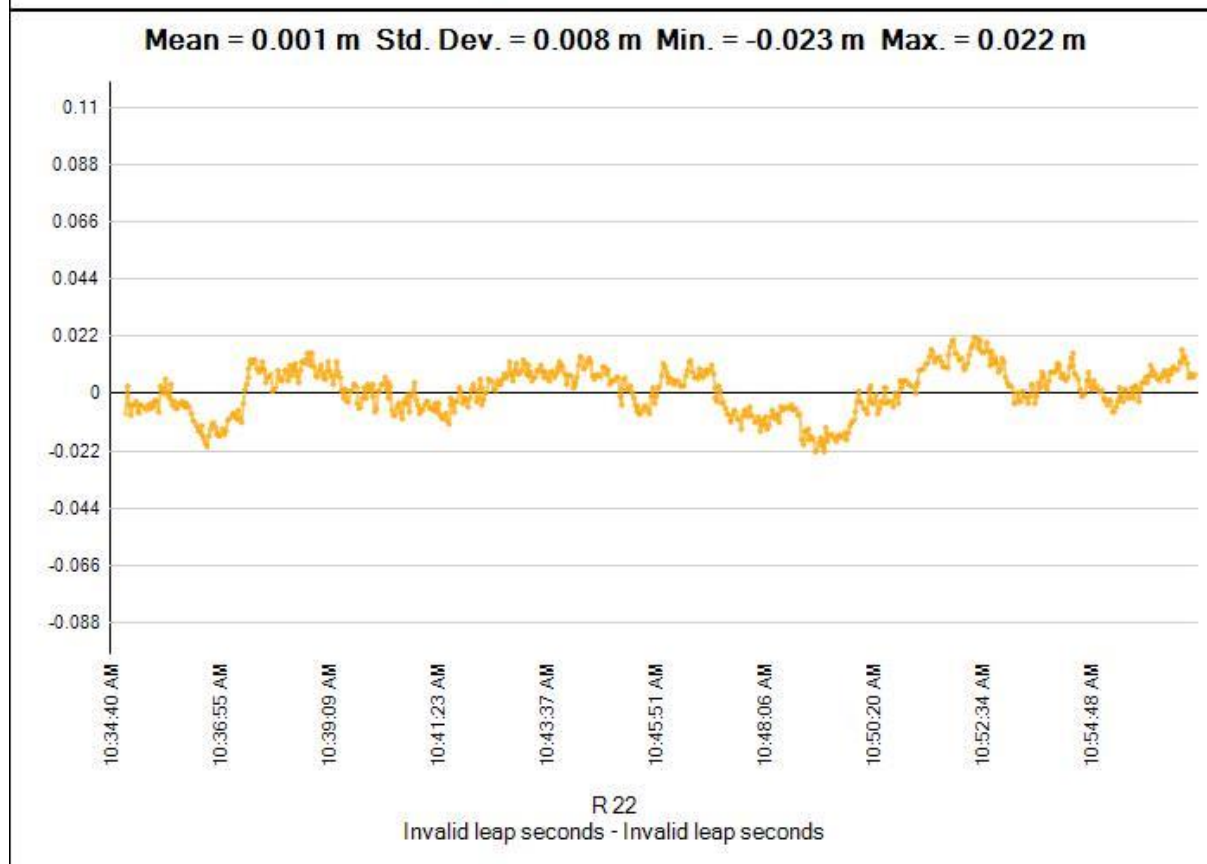
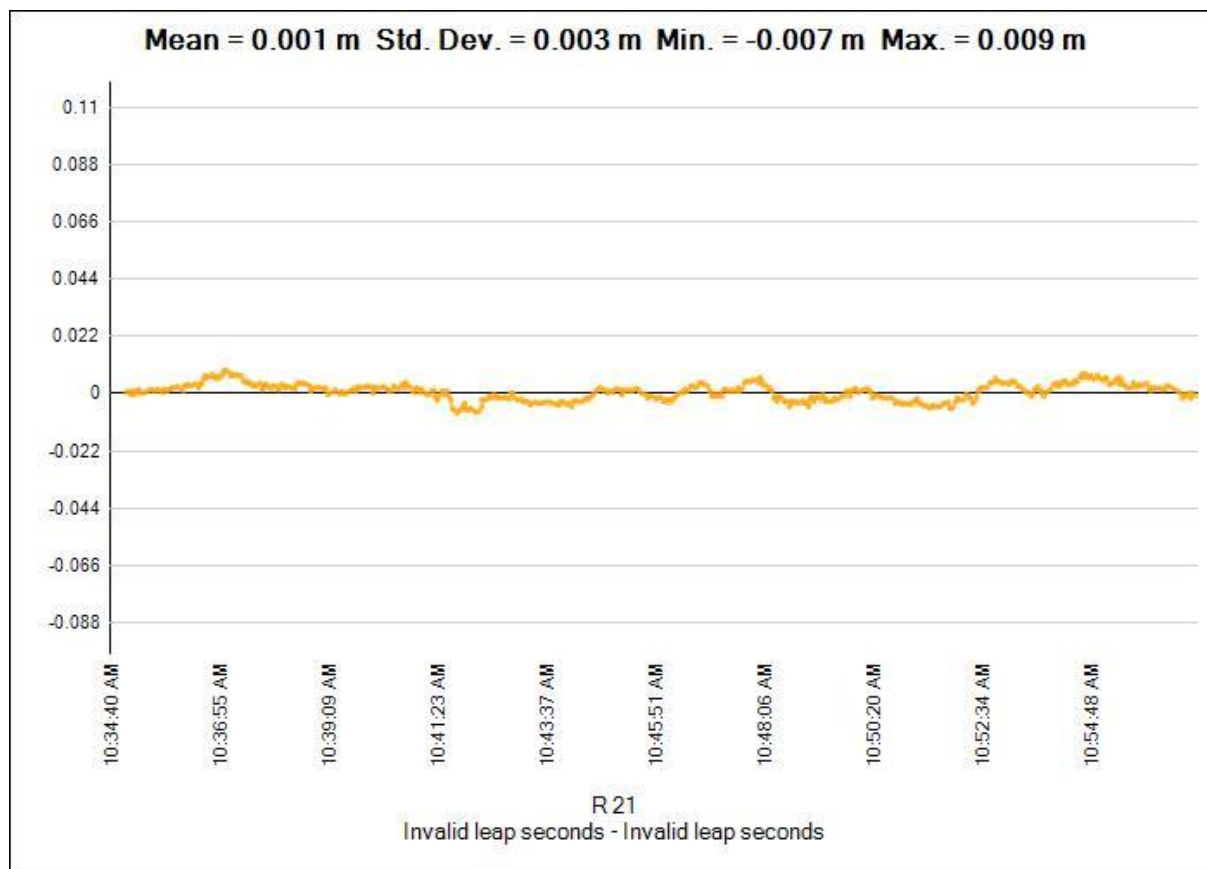












Processing style

Elevation mask: 10.0 deg

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: Use all data

Force float: No

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

2/13/2017 10:48:03 AM	J:\04NGRS\02CORS\CORS activiteiten & storingen\Test meting CORS SRZN\Test SRZN_ _Base line T.o.v.Zanderij.vce	Trimble Business Center
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Project file data		Coordinate System	
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Size:	53 KB	Datum:	WGS 1984
Modified:	8/8/2016 3:46:55 PM (UTC:-3)	Zone:	21 North (57W)
Time zone:	Argentina Standard Time	Geoid:	
Reference number:		Vertical datum:	
Description:			
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)	Δ Height (Meter)
SRZN --- punt02 (B27)	SRZN	punt02	Fixed	0.008	0.011	3°41'33"	14907.169	-11.743

Acceptance Summary

Processed	Passed	Flag		Fail	
1	1	0		0	

SRZN - punt02 (Invalid leap seconds-Invalid leap seconds) (S6)

Baseline observation:	SRZN --- punt02 (B27)
Processed:	Invalid leap seconds
Solution type:	Fixed
Frequency used:	Multiple Frequencies
Horizontal precision:	0.008 m
Vertical precision:	0.011 m
RMS:	0.014 m
Maximum PDOP:	1.432
Ephemeris used:	Broadcast
Antenna model:	NGS Absolute
Processing start time:	Invalid leap seconds (Local: UTC-3hr)
Processing stop time:	Invalid leap seconds (Local: UTC-3hr)
Processing duration:	00:20:01
Processing interval:	1 second

Vector Components (Mark to Mark)

From:	SRZN				
Grid		Local		Global	
Easting	699085.163 m	Latitude	N5°27'20.31169"	Latitude	N5°27'20.31169"
Northing	603327.531 m	Longitude	W55°12'11.07395"	Longitude	W55°12'11.07395"
Elevation	-17.190 m	Height	-17.190 m	Height	-17.190 m

To:	punt02				
Grid		Local		Global	
Easting	700000.399 m	Latitude	N5°35'24.59603"	Latitude	N5°35'24.59603"
Northing	618207.965 m	Longitude	W55°11'39.87847"	Longitude	W55°11'39.87847"
Elevation	-28.933 m	Height	-28.933 m	Height	-28.933 m

Vector					
Δ Easting	915.235 m	NS Fwd Azimuth	3°41'33"	Δ X	-35.372 m
Δ Northing	14880.434 m	Ellipsoid Dist.	14907.169 m	Δ Y	1733.252 m
Δ Elevation	-11.743 m	Δ Height	-11.743 m	Δ Z	14805.968 m

Standard Errors

Vector errors:

$\sigma \Delta$ Easting	0.003 m	σ NS fwd Azimuth	0°00'00"	$\sigma \Delta$ X	0.004 m
$\sigma \Delta$ Northing	0.003 m	σ Ellipsoid Dist.	0.003 m	$\sigma \Delta$ Y	0.005 m
$\sigma \Delta$ Elevation	0.006 m	$\sigma \Delta$ Height	0.006 m	$\sigma \Delta$ Z	0.003 m

Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0000190951		
Y	-0.0000090291	0.0000233347	
Z	0.0000005213	-0.0000003181	0.0000066643

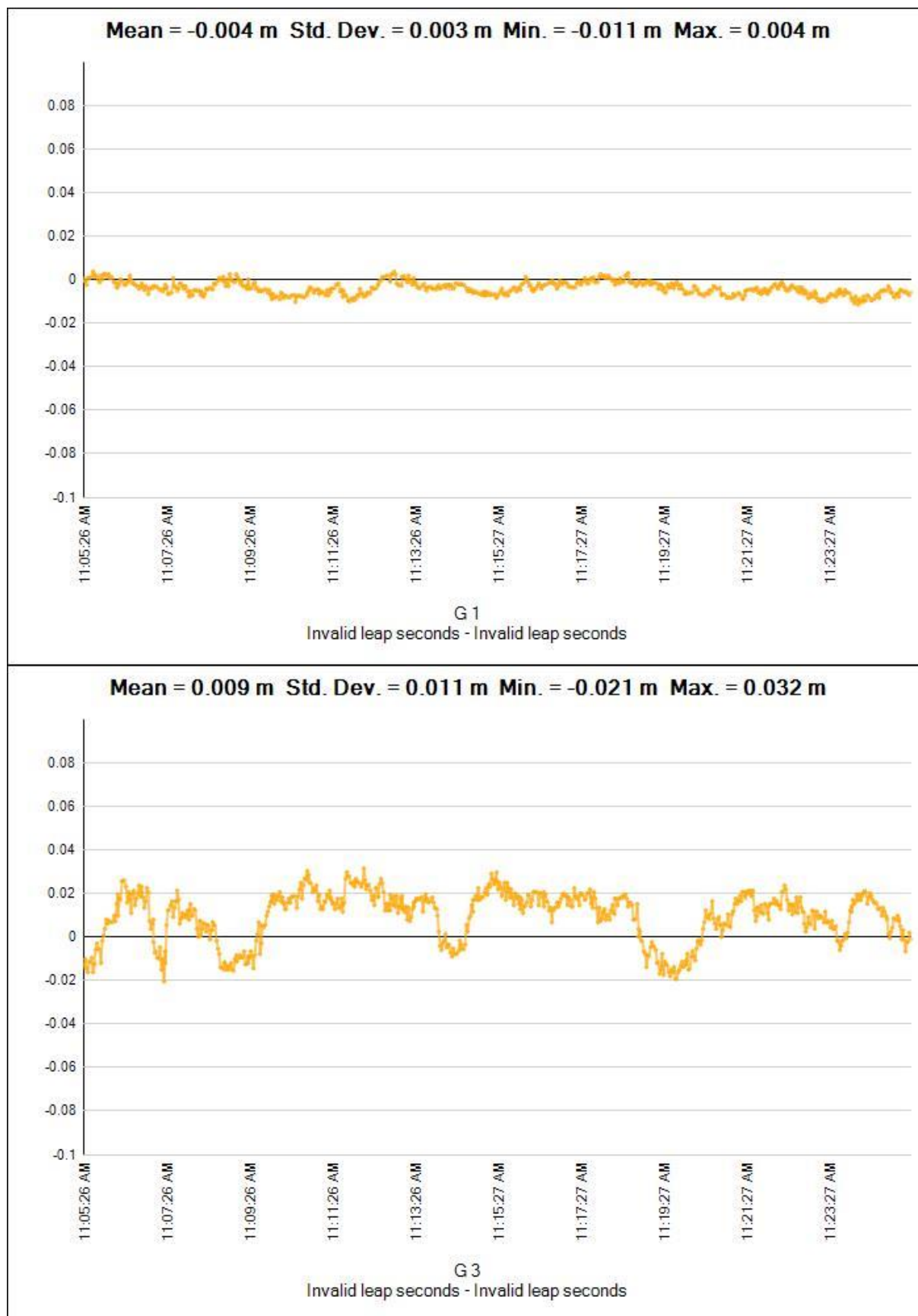
Occupations

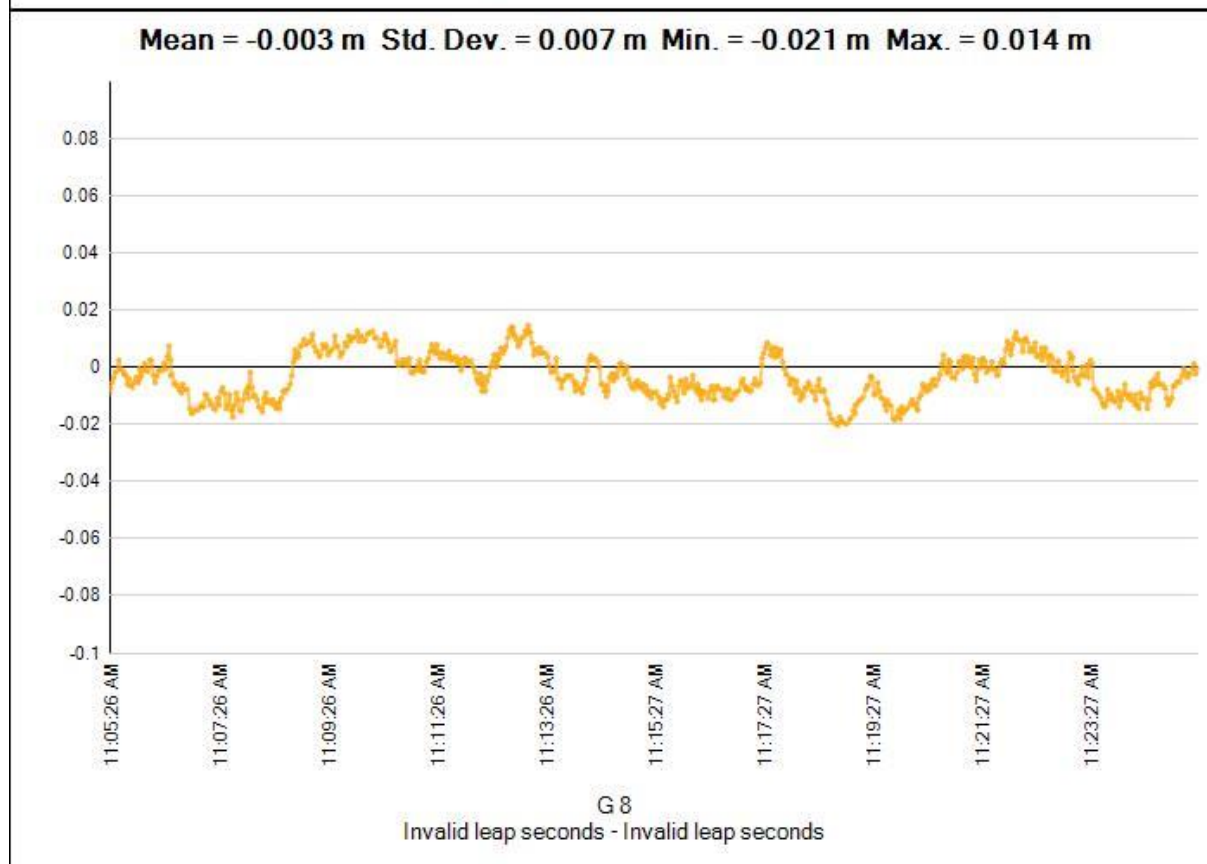
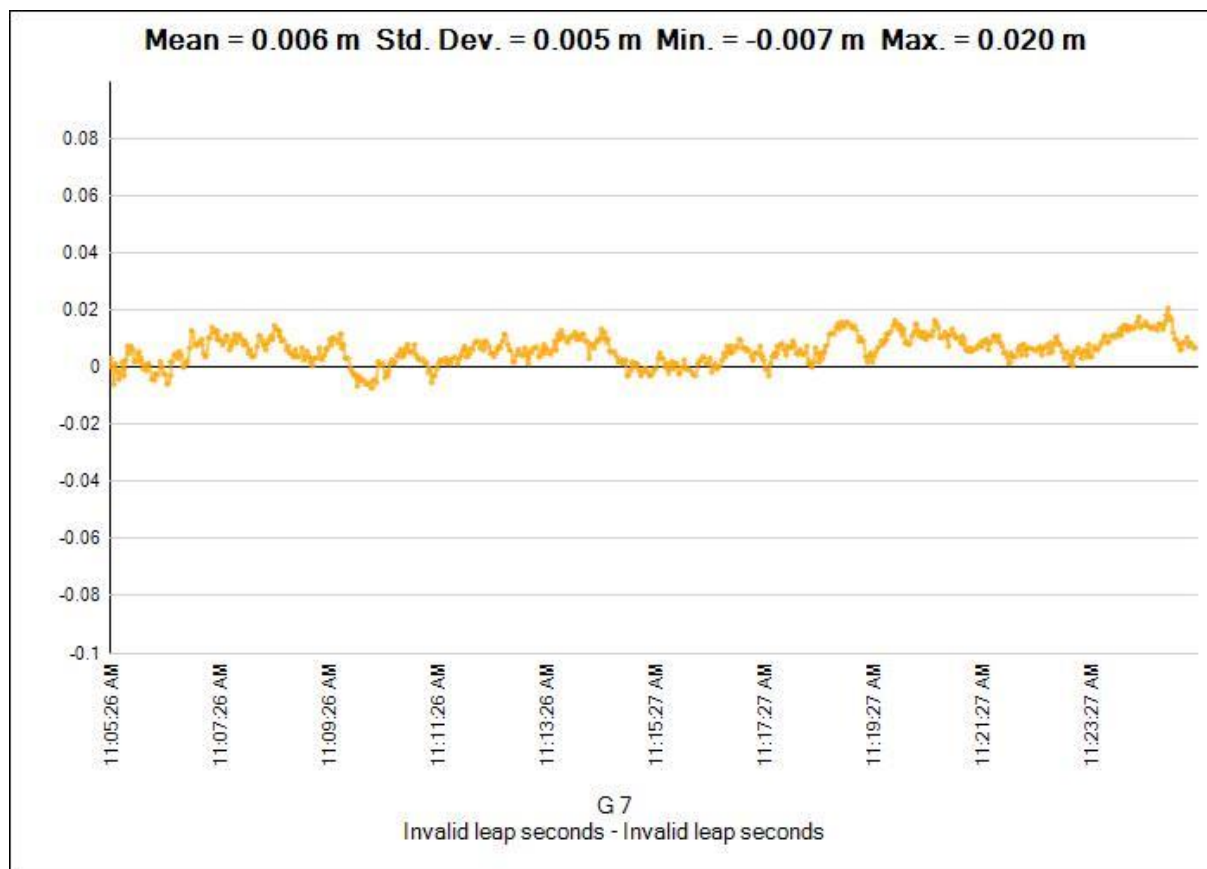
	From	To
Point ID:	SRZN	punt02
Data file:	J:\04NGRS\02CORS\CORS activiteiten & storingen\Test meting CORS SRZN\Test SRZN_ _\Base line T.o.v.Zanderij\SRZN218j.16o	J:\04NGRS\02CORS\CORS activiteiten & storingen\Test meting CORS SRZN\Test SRZN_ _\Base line T.o.v.Zanderij\5443R50003201608051400A.T02
Receiver type:	GR10	NetR9
Receiver serial number:	1703626	5443R50003
Antenna type:	AR10	Zephyr Geodetic 2 RoHS
Antenna serial number:	18166034	-----
Antenna height (measured):	0.000 m	1.480 m
Antenna method:	Bottom of antenna mount	Bottom of antenna mount

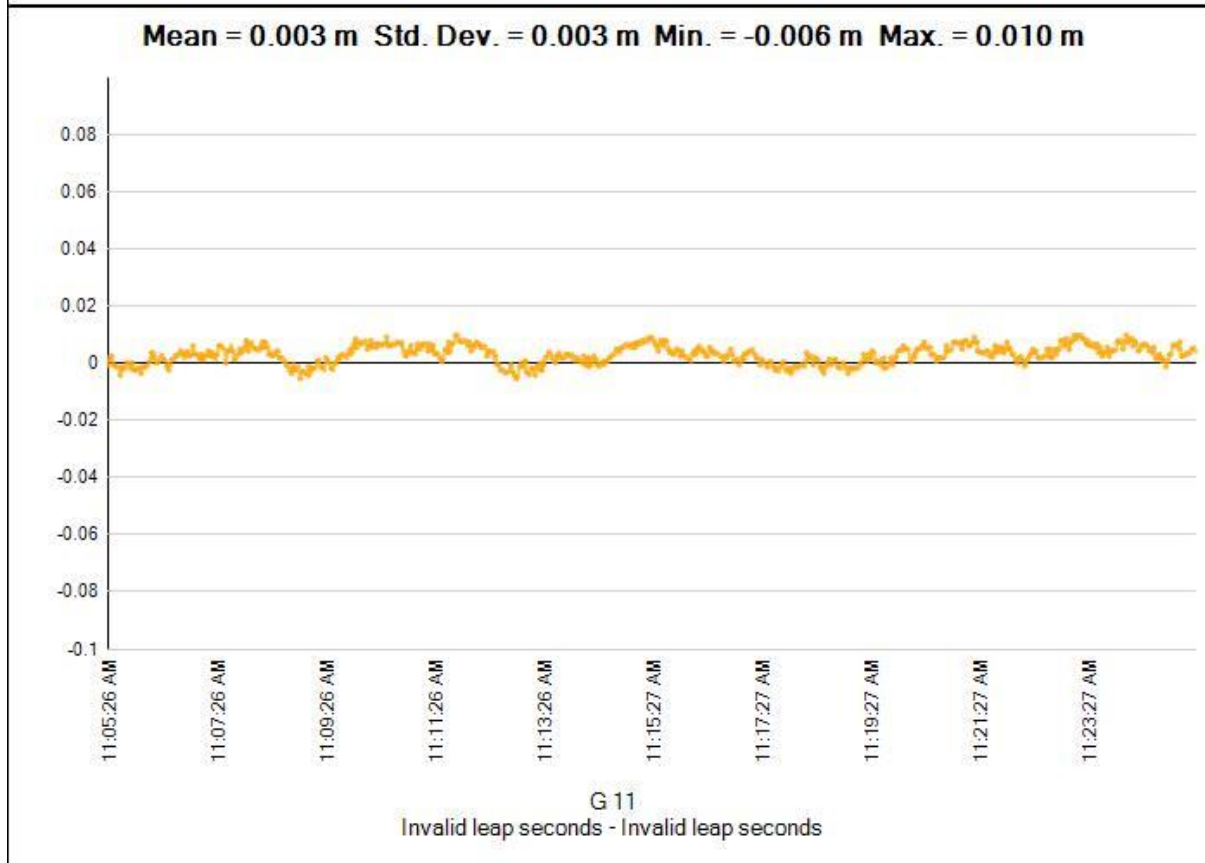
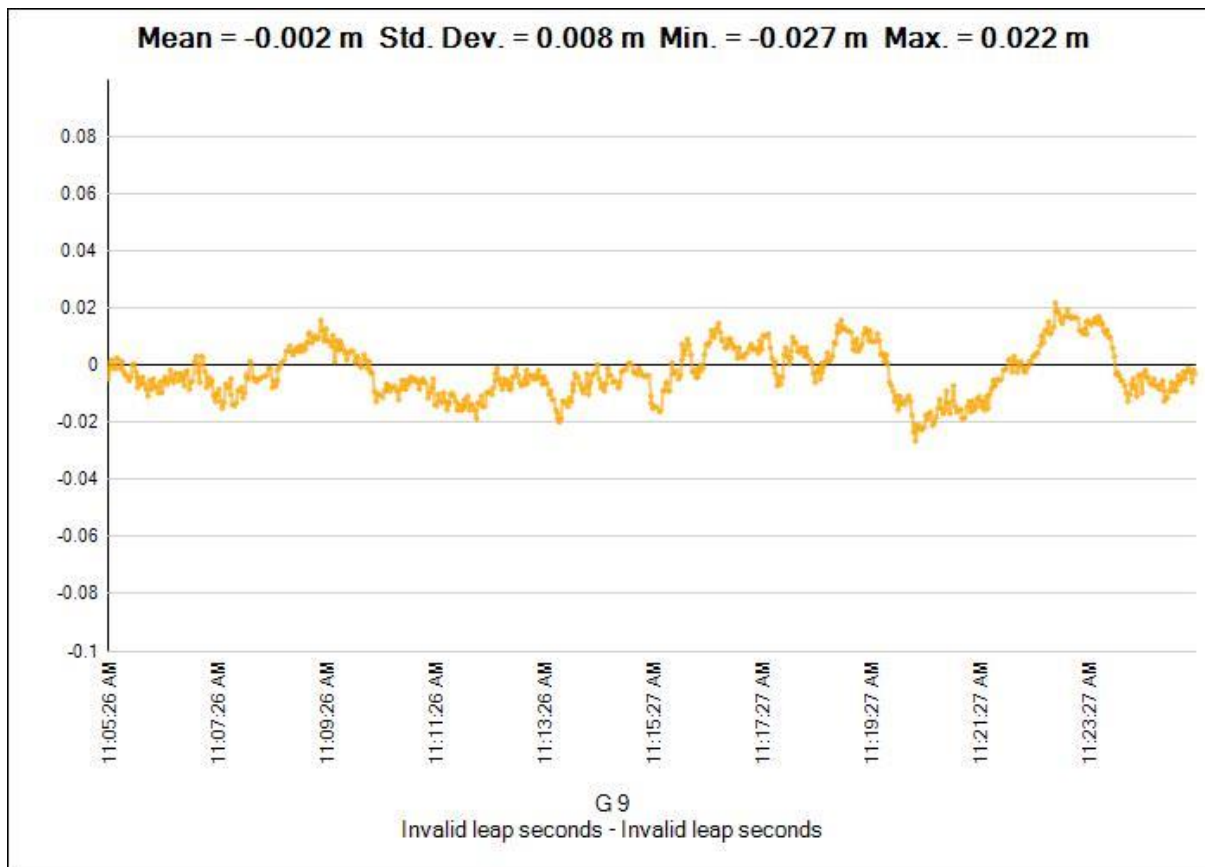
Tracking Summary

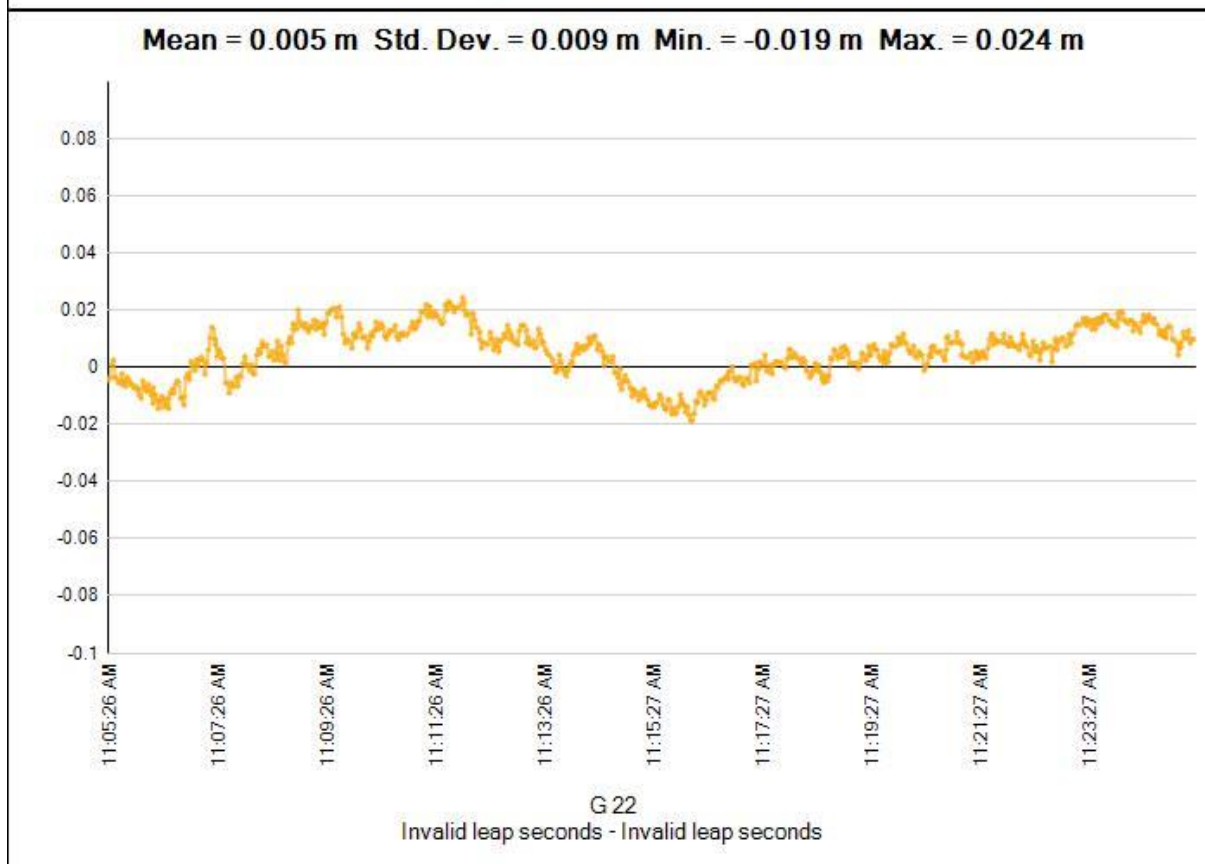
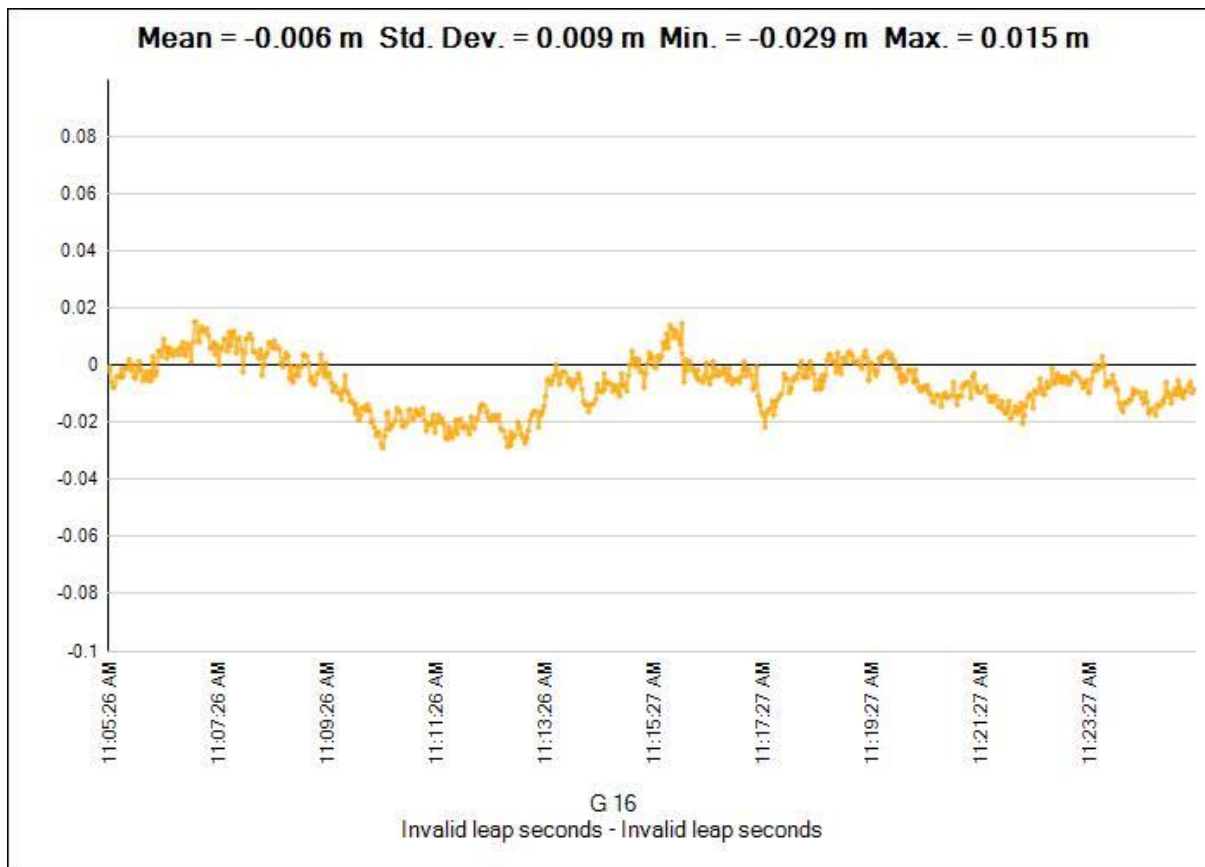
SV	Invalid leap seconds																Duration: 00:20:01 Major interval: 00:01:00																Invalid leap seconds																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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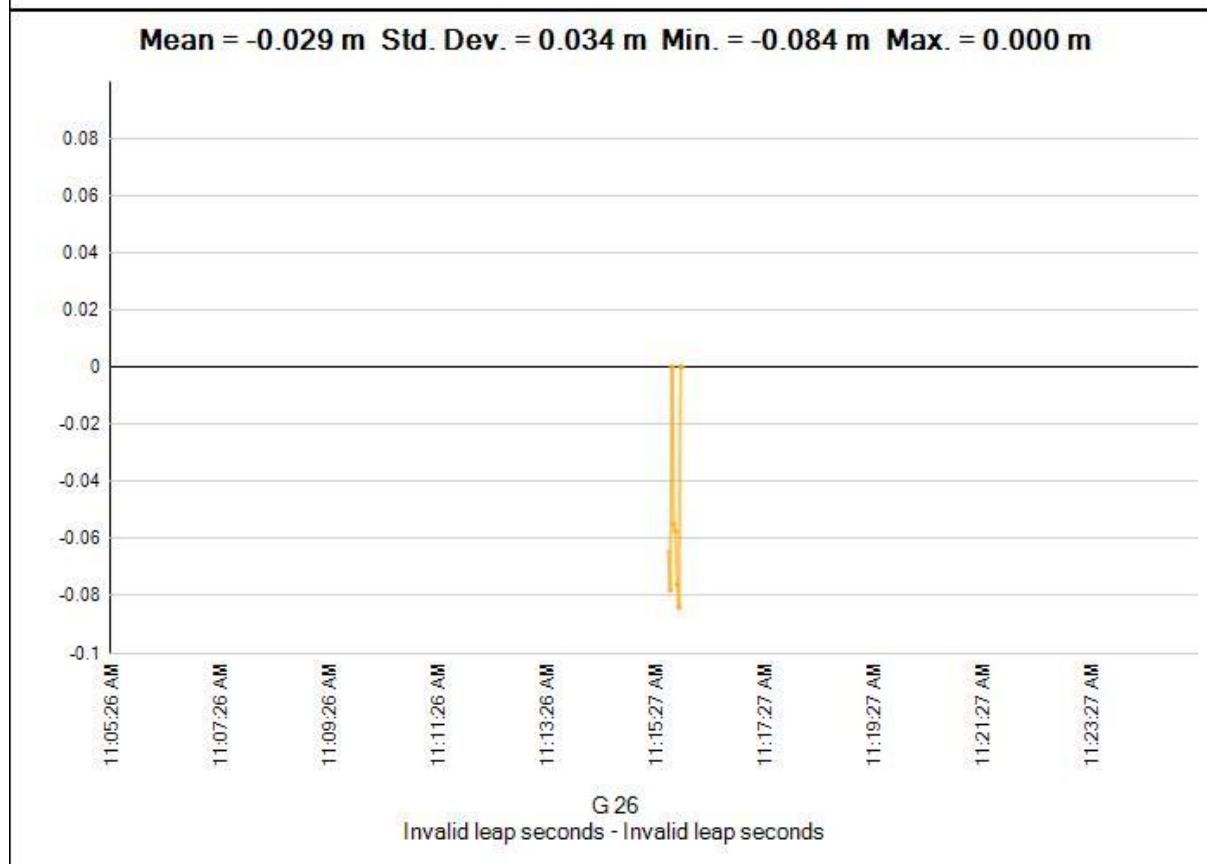
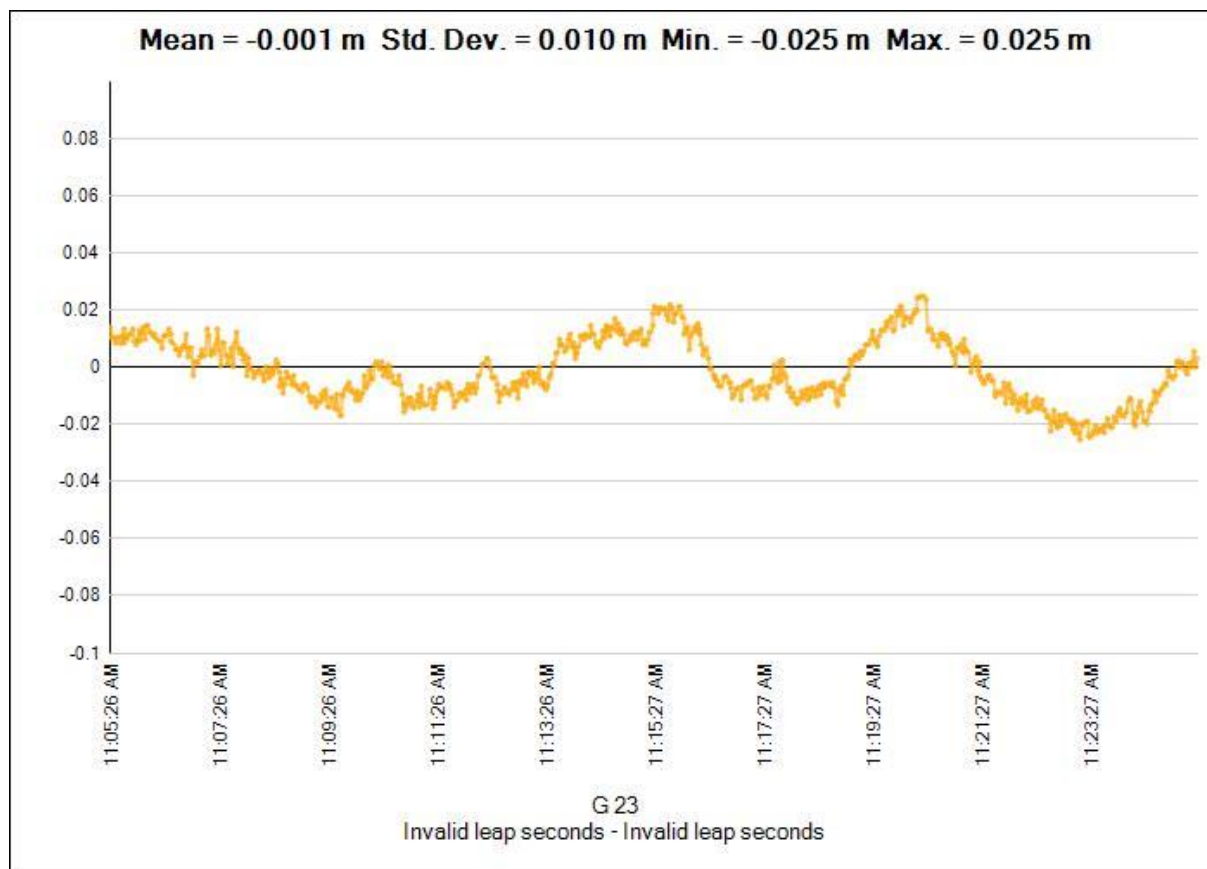
Residuals

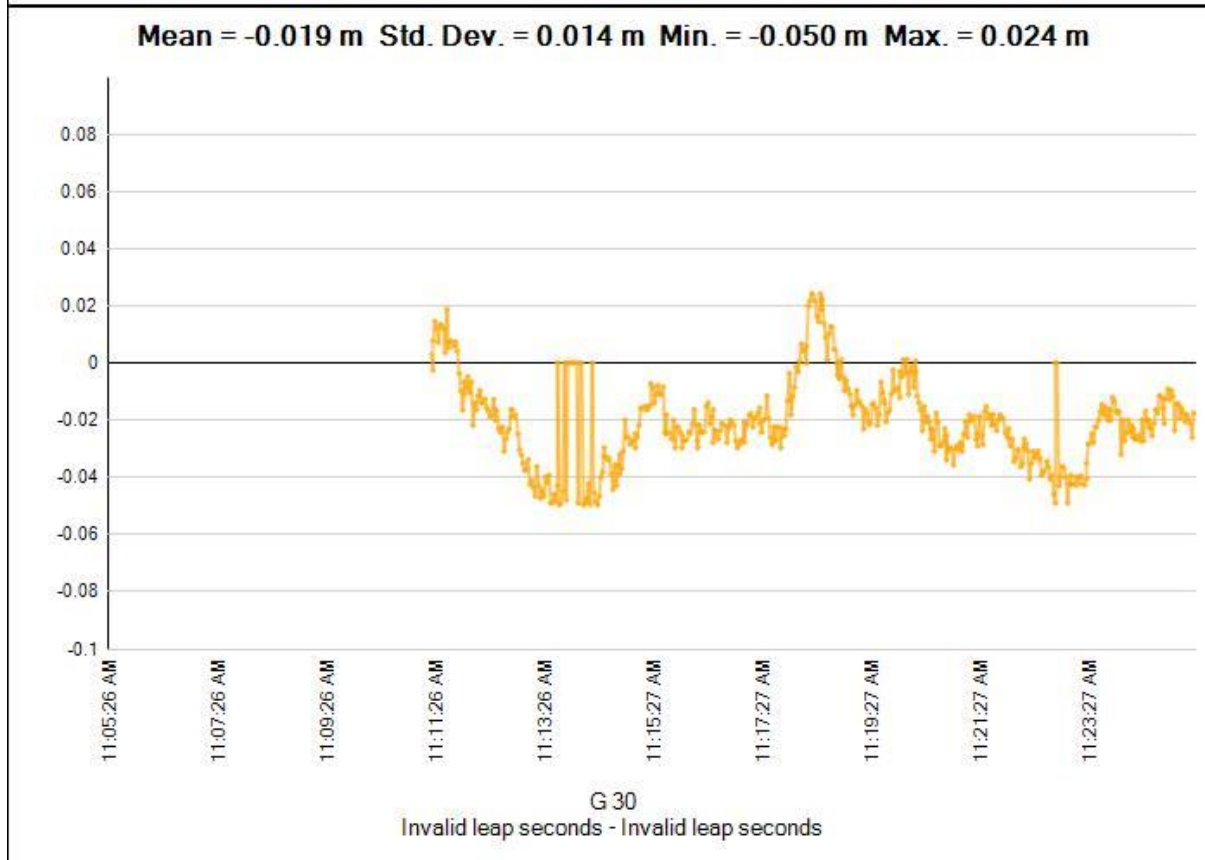
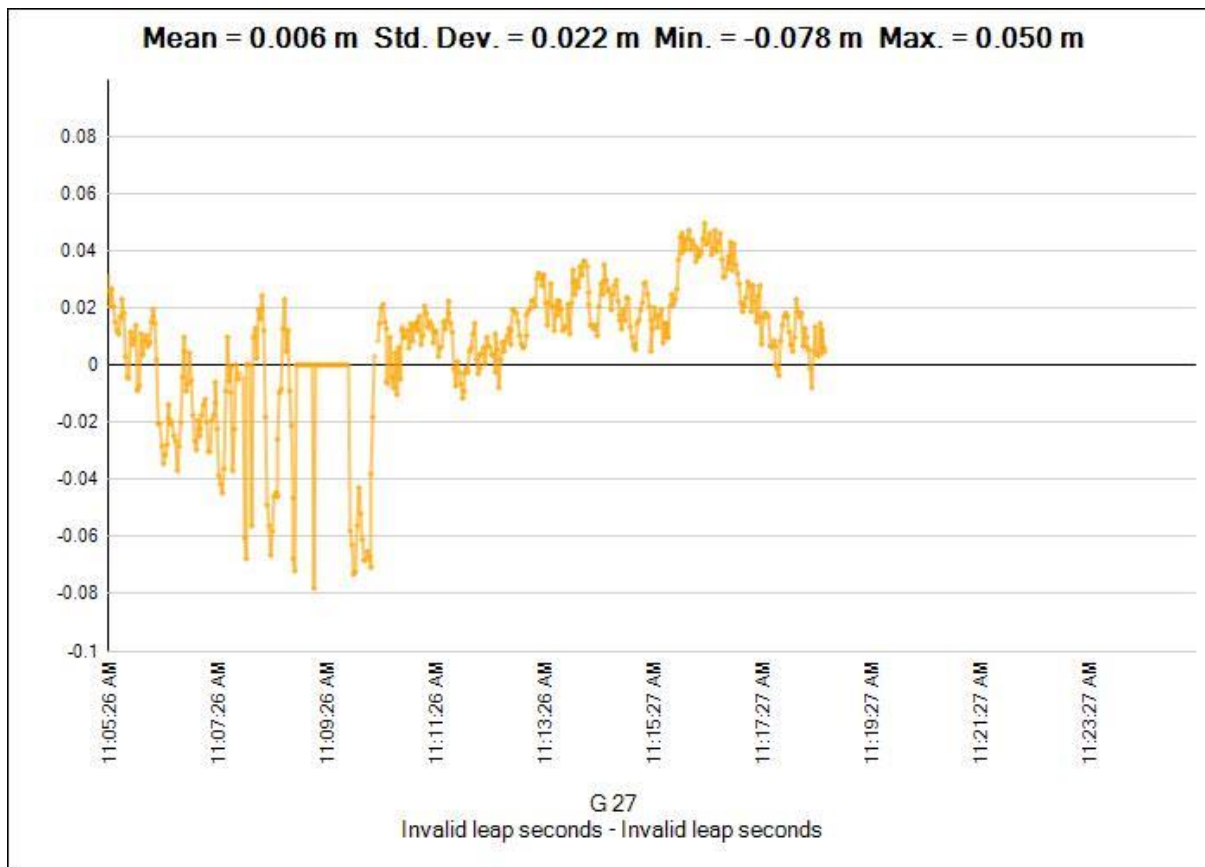


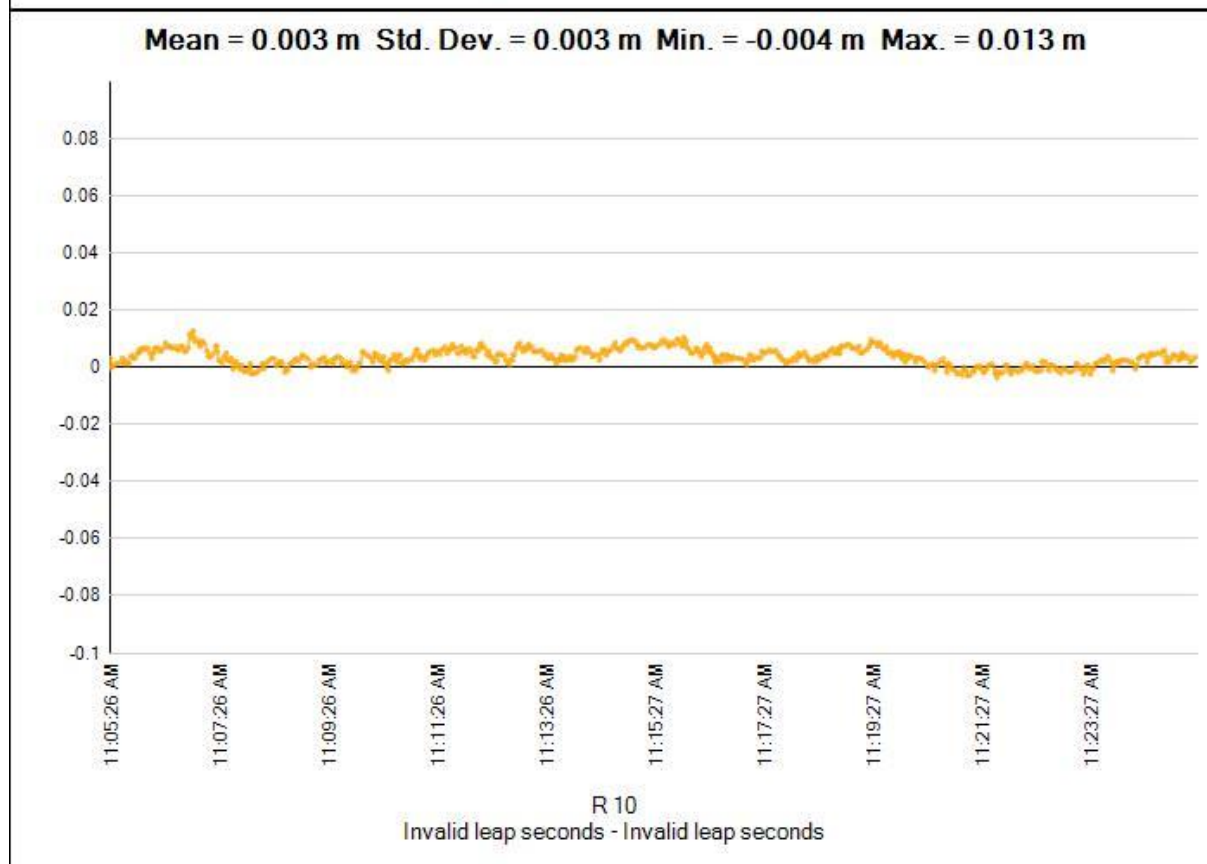
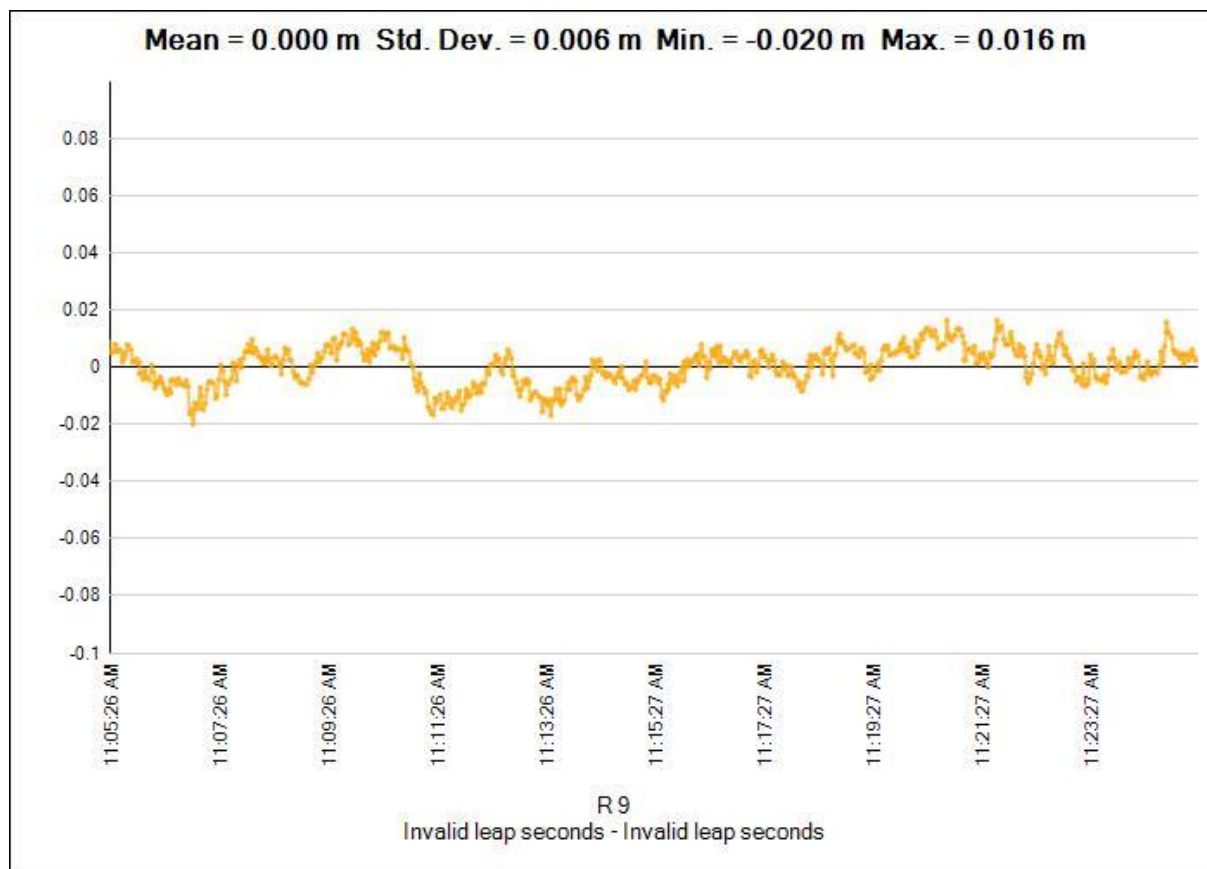


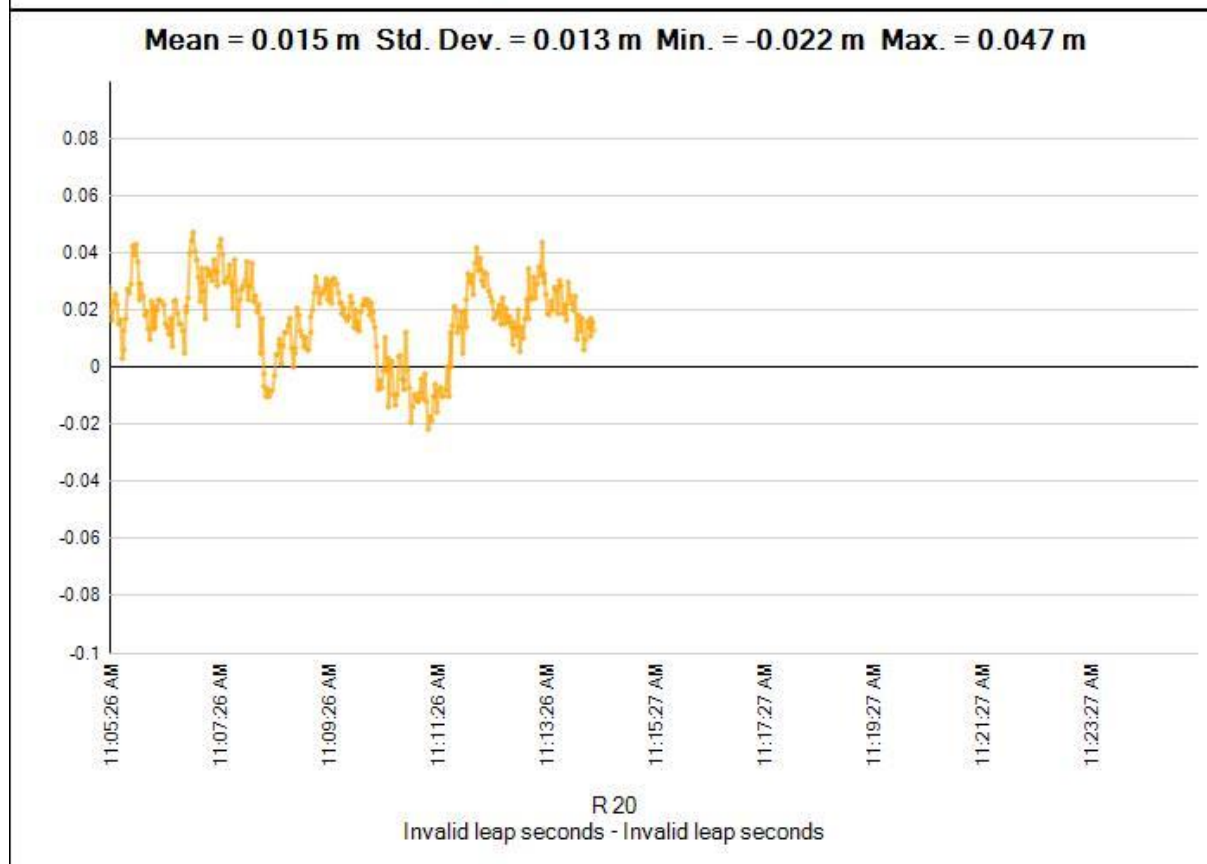
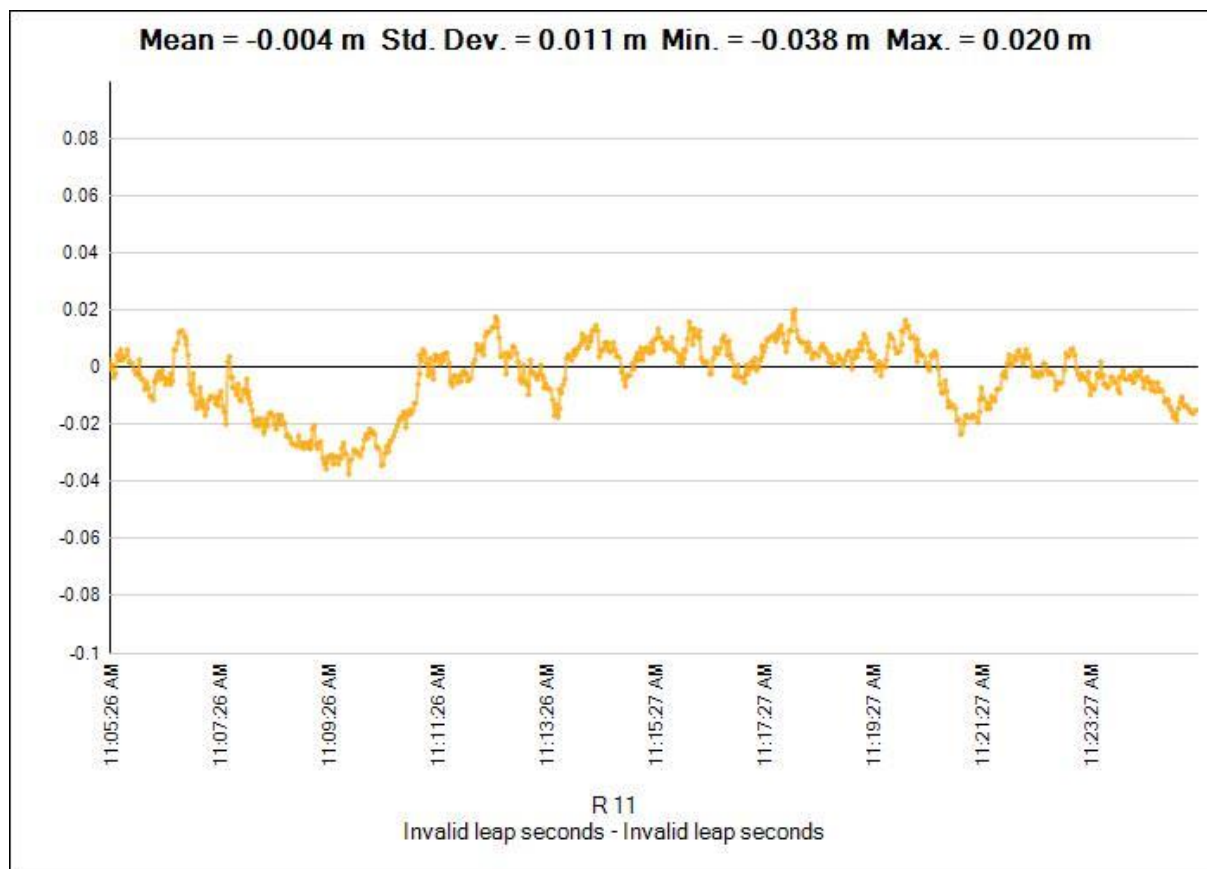


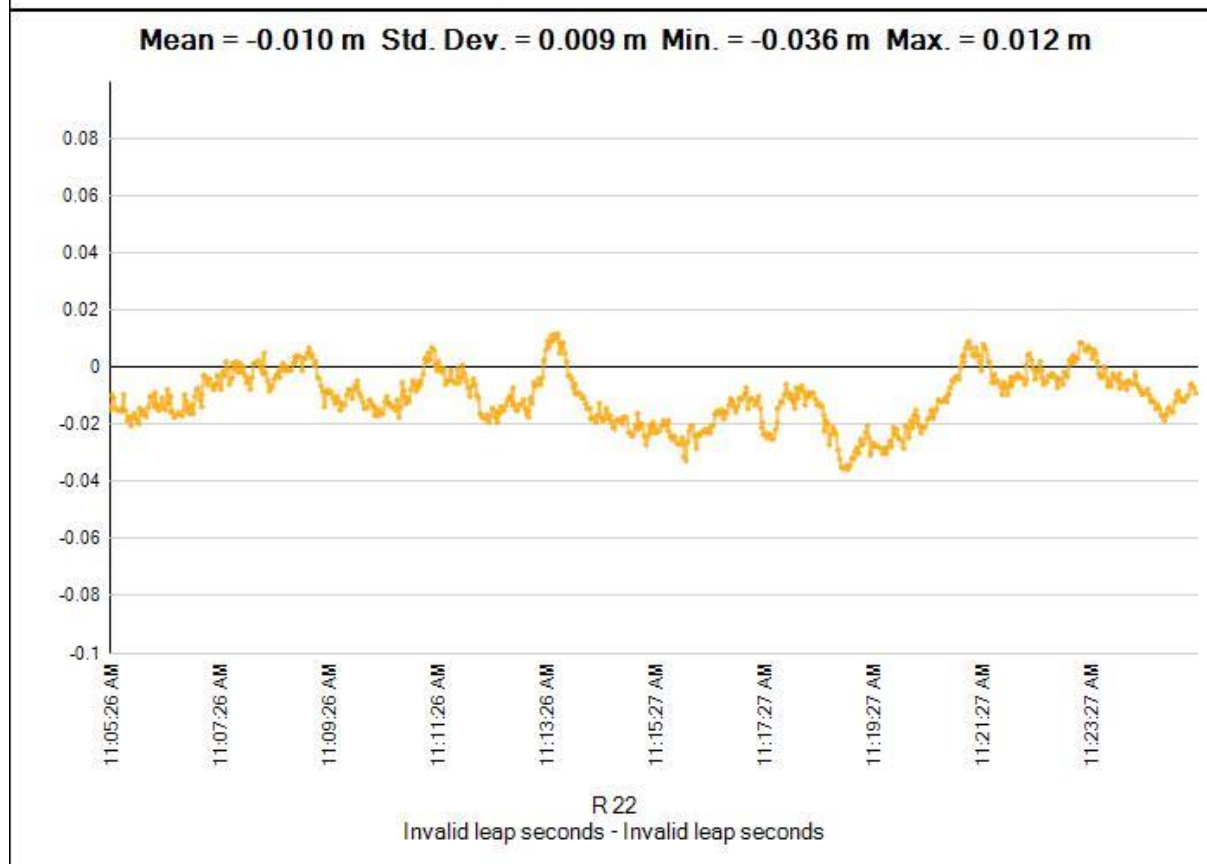
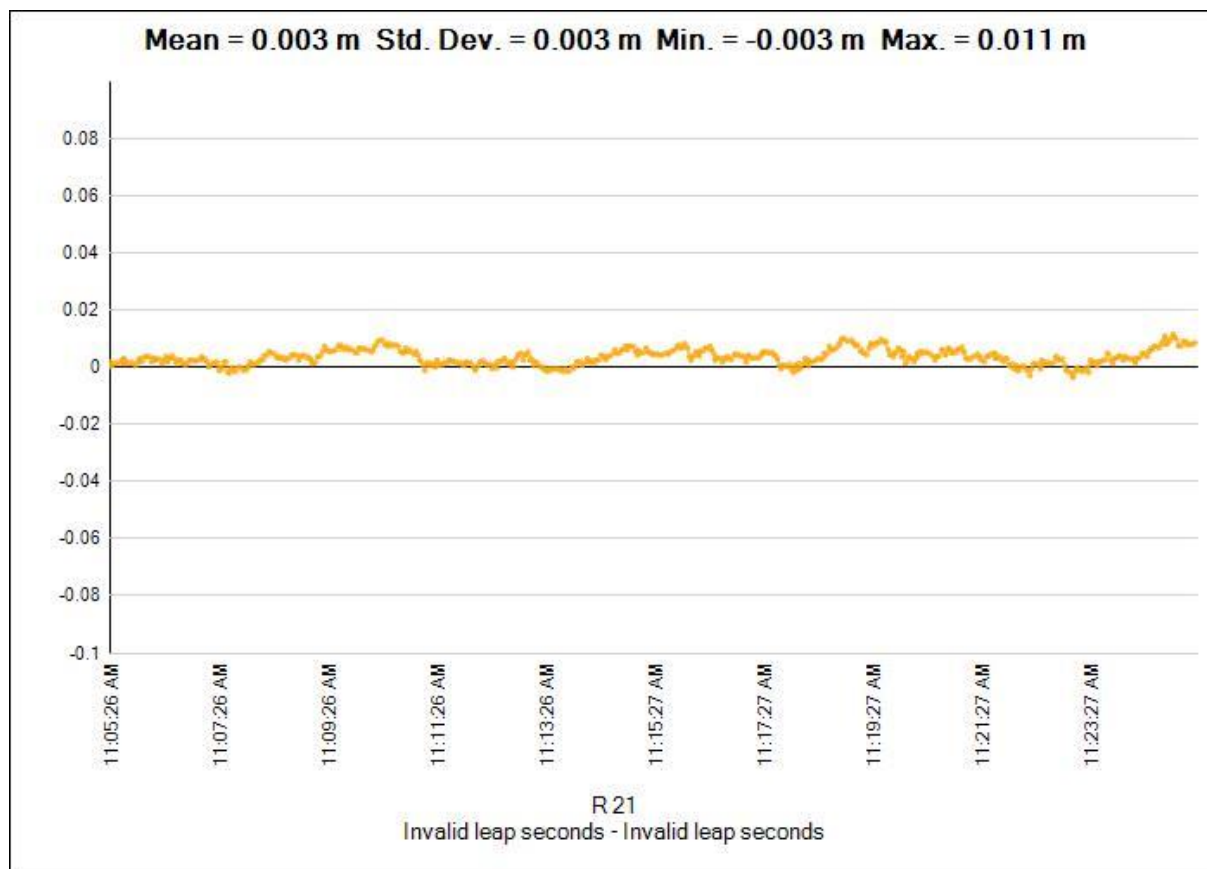












Processing style

Elevation mask: 10.0 deg
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: Use all data
Force float: No

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

2/13/2017 10:45:53 AM	J:\04NGRS\02CORS\CORS activiteiten & storingen\Test meting CORS SRZN\Test SRZN_ _Base line T.o.v.Zanderij.vce	Trimble Business Center
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Project file data		Coordinate System	
Name:	J:\04NGRS\02CORS\CORS activiteiten & storingen\Test meting CORS SRZN\Test SRZN__Base line T.o.v.Zanderij.vce	Name:	UTM
Size:	53 KB	Datum:	WGS 1984
Modified:	8/8/2016 3:46:55 PM (UTC:-3)	Zone:	21 North (57W)
Time zone:	Argentina Standard Time	Geoid:	
Reference number:		Vertical datum:	
Description:			
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)	Δ Height (Meter)
SRZN --- Punt3 (B26)	SRZN	Punt3	Fixed	0.009	0.012	3°47'58"	14845.896	-11.865

Acceptance Summary

Processed	Passed	Flag		Fail	
1	1	0		0	

SRZN - Punt3 (Invalid leap seconds-Invalid leap seconds) (S5)

Baseline observation:	SRZN --- Punt3 (B26)
Processed:	Invalid leap seconds
Solution type:	Fixed
Frequency used:	Multiple Frequencies
Horizontal precision:	0.009 m
Vertical precision:	0.012 m
RMS:	0.011 m
Maximum PDOP:	1.469
Ephemeris used:	Broadcast
Antenna model:	NGS Absolute
Processing start time:	Invalid leap seconds (Local: UTC-3hr)
Processing stop time:	Invalid leap seconds (Local: UTC-3hr)
Processing duration:	00:16:39
Processing interval:	1 second

Vector Components (Mark to Mark)

From:	SRZN				
Grid		Local		Global	
Easting	699085.163 m	Latitude	N5°27'20.31169"	Latitude	N5°27'20.31169"
Northing	603327.531 m	Longitude	W55°12'11.07395"	Longitude	W55°12'11.07395"
Elevation	-17.190 m	Height	-17.190 m	Height	-17.190 m

To:	Punt3				
Grid		Local		Global	
Easting	700024.289 m	Latitude	N5°35'22.54654"	Latitude	N5°35'22.54654"
Northing	618145.076 m	Longitude	W55°11'39.10854"	Longitude	W55°11'39.10854"
Elevation	-29.055 m	Height	-29.055 m	Height	-29.055 m

Vector					
Δ Easting	939.126 m	NS Fwd Azimuth	3°47'58"	Δ X	-12.484 m
Δ Northing	14817.545 m	Ellipsoid Dist.	14845.896 m	Δ Y	1741.841 m
Δ Elevation	-11.865 m	Δ Height	-11.865 m	Δ Z	14743.300 m

Standard Errors

Vector errors:

$\sigma \Delta$ Easting	0.004 m	σ NS fwd Azimuth	0°00'00"	$\sigma \Delta$ X	0.005 m
$\sigma \Delta$ Northing	0.003 m	σ Ellipsoid Dist.	0.003 m	$\sigma \Delta$ Y	0.006 m
$\sigma \Delta$ Elevation	0.006 m	$\sigma \Delta$ Height	0.006 m	$\sigma \Delta$ Z	0.003 m

Aposteriori Covariance Matrix (Meter²)

	X	Y	Z
X	0.0000225711		
Y	-0.0000132435	0.0000316849	
Z	0.0000003620	0.0000041672	0.0000085569

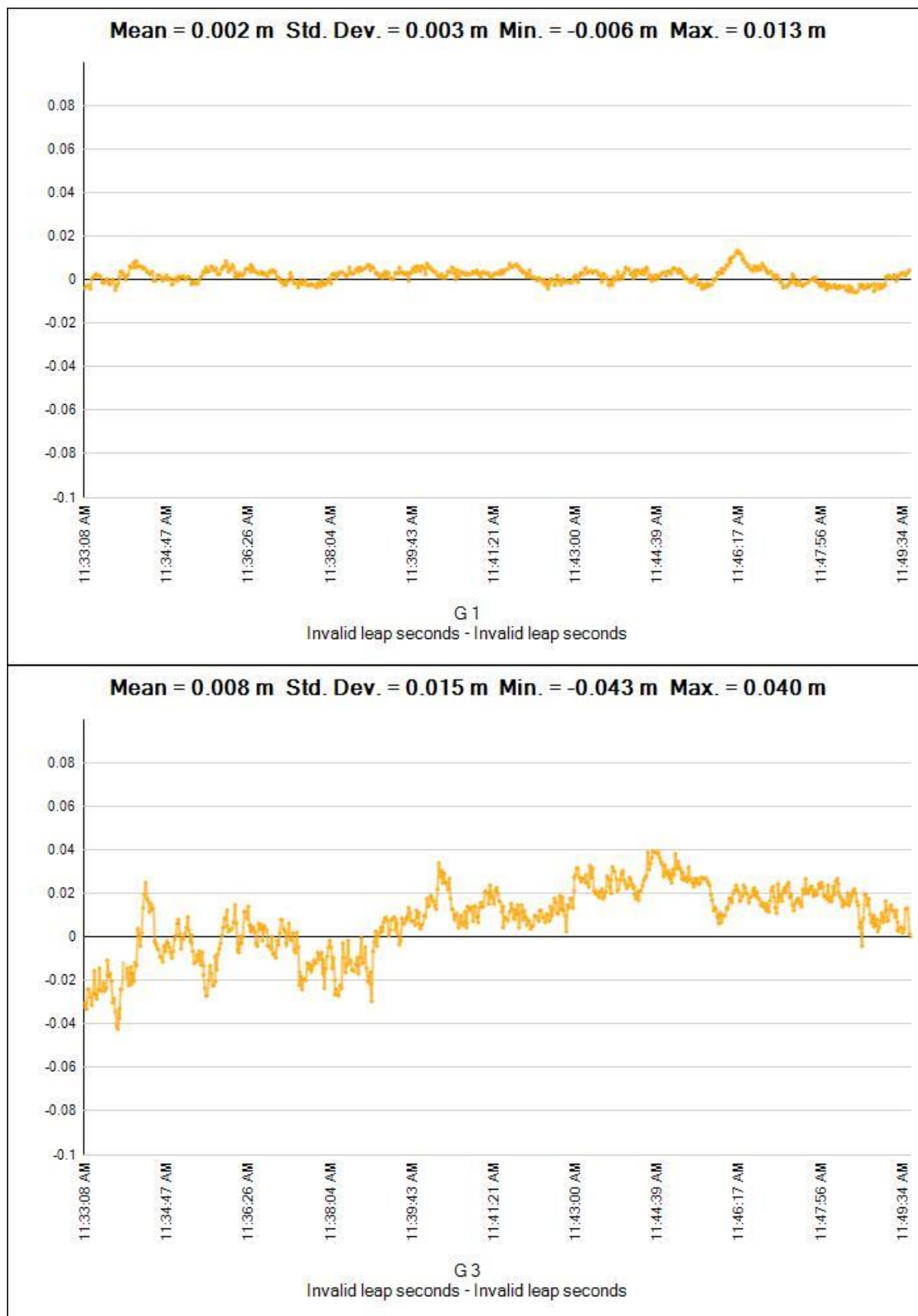
Occupations

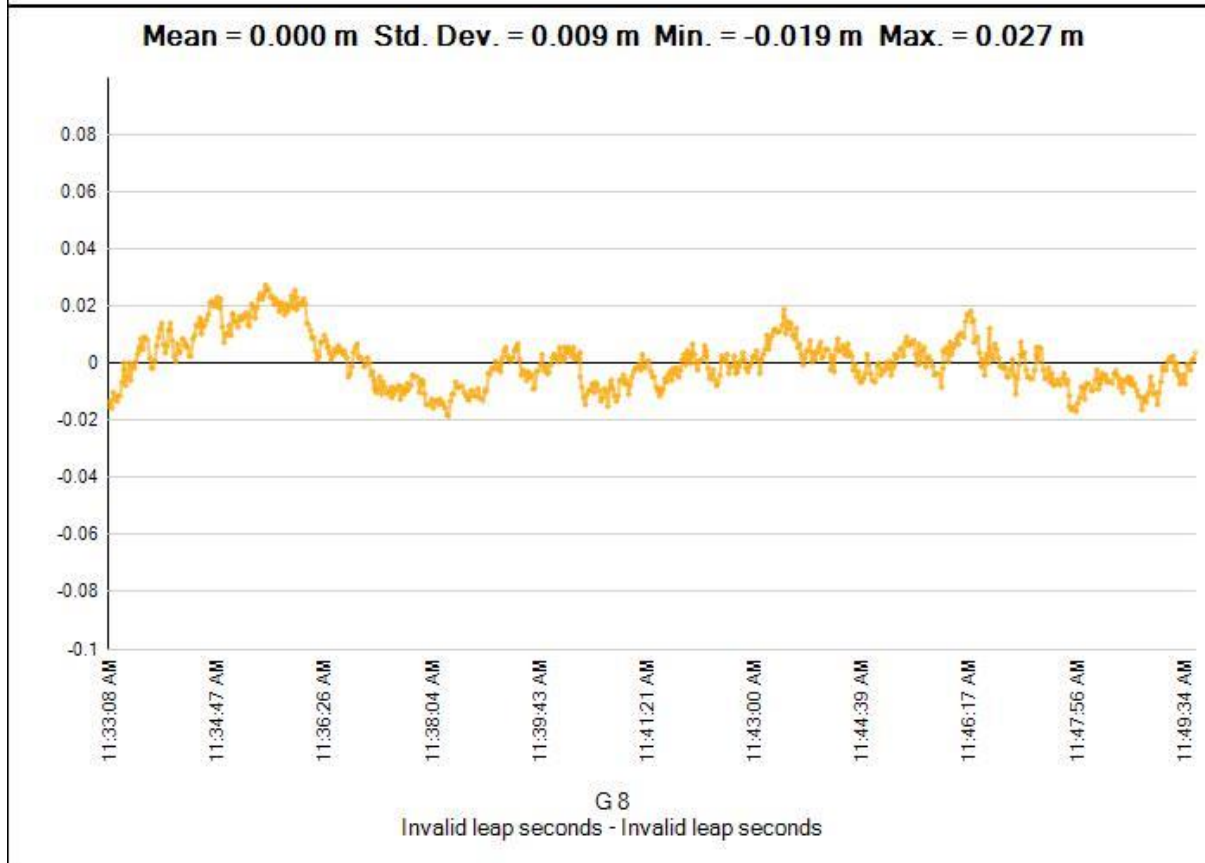
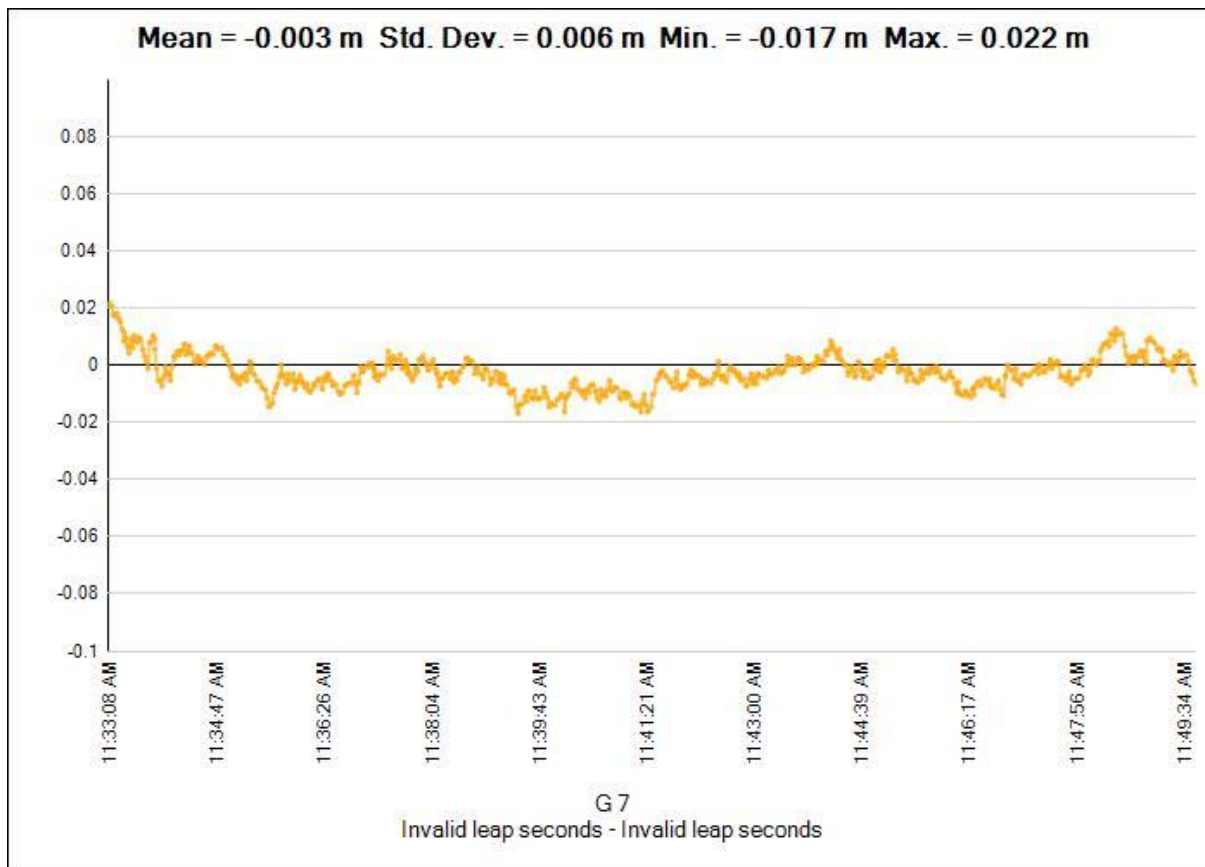
	From	To
Point ID:	SRZN	Punt3
Data file:	J:\04NGRS\02CORS\CORS activiteiten & storingen\Test meting CORS SRZN\Test SRZN_ _\Base line T.o.v.Zanderij\SRZN218j.16o	J:\04NGRS\02CORS\CORS activiteiten & storingen\Test meting CORS SRZN\Test SRZN_ _\Base line T.o.v.Zanderij\5443R50003201608051420C.T02
Receiver type:	GR10	NetR9
Receiver serial number:	1703626	5443R50003
Antenna type:	AR10	Zephyr Geodetic 2 RoHS
Antenna serial number:	18166034	-----
Antenna height (measured):	0.000 m	1.512 m
Antenna method:	Bottom of antenna mount	Bottom of antenna mount

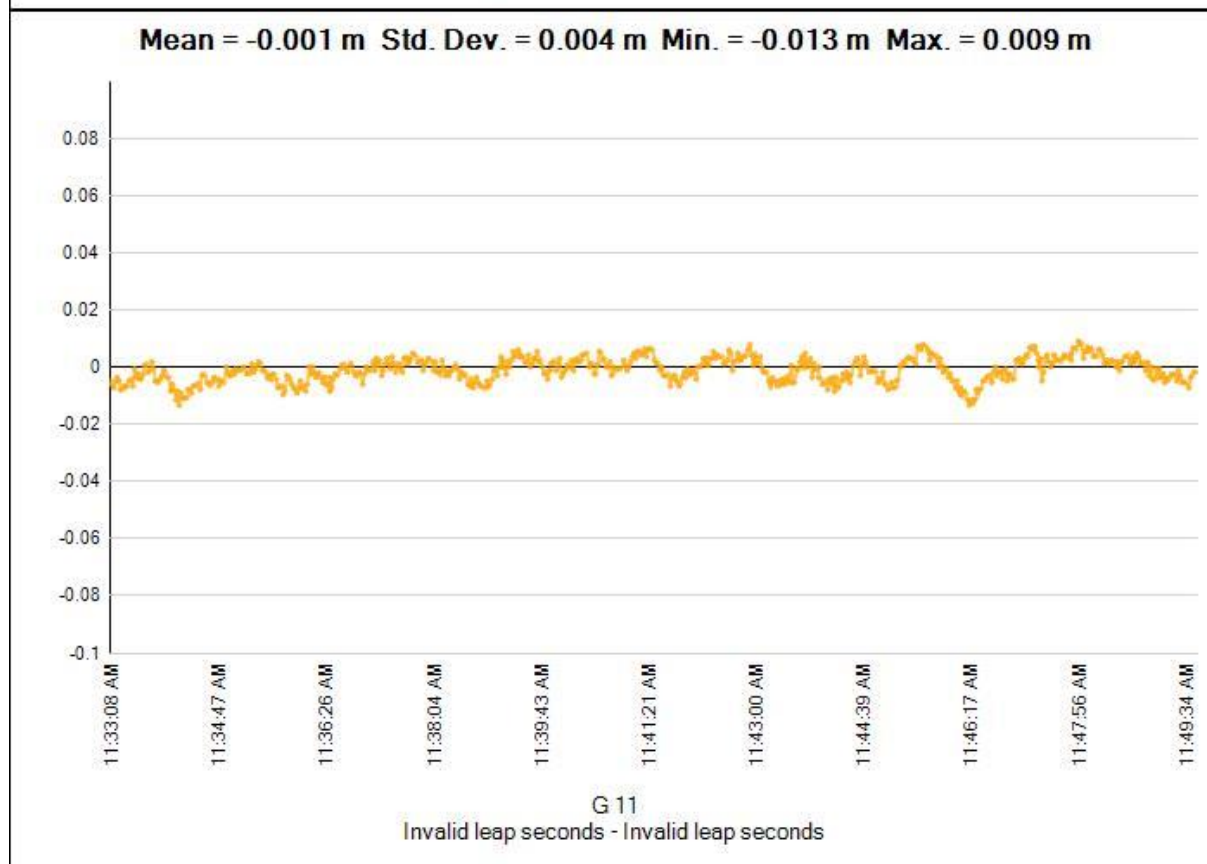
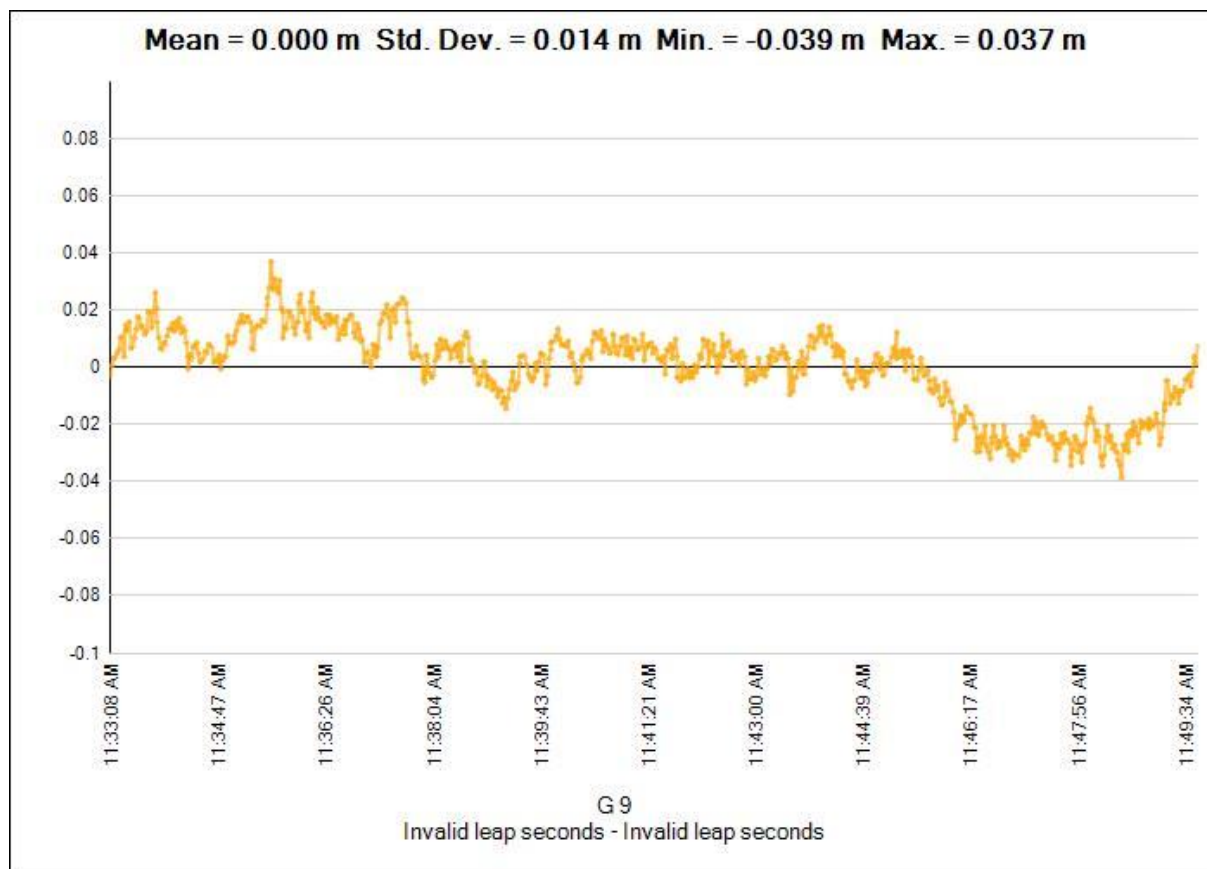
Tracking Summary

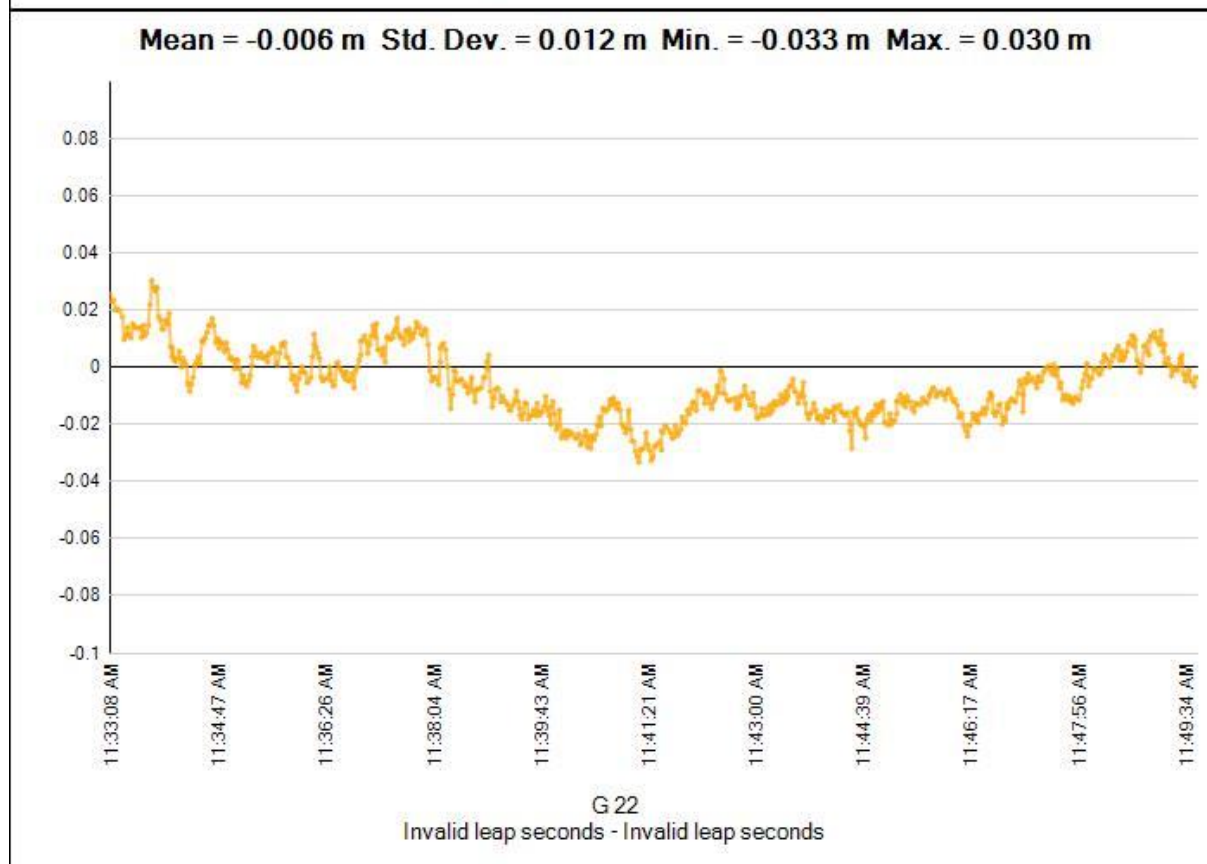
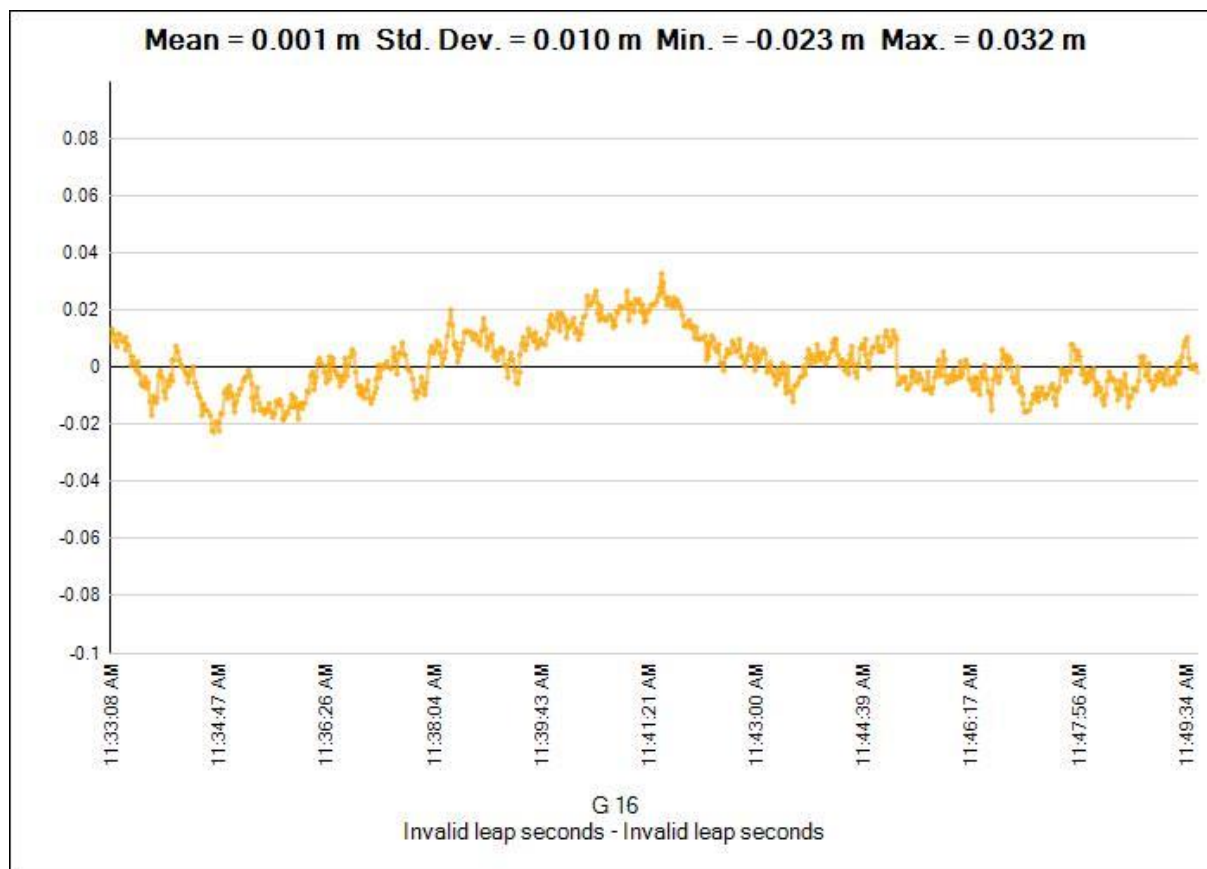
SV		Invalid leap seconds															Duration: 00:16:39.9000000 Major interval: 00:01:00															Invalid leap seconds																													
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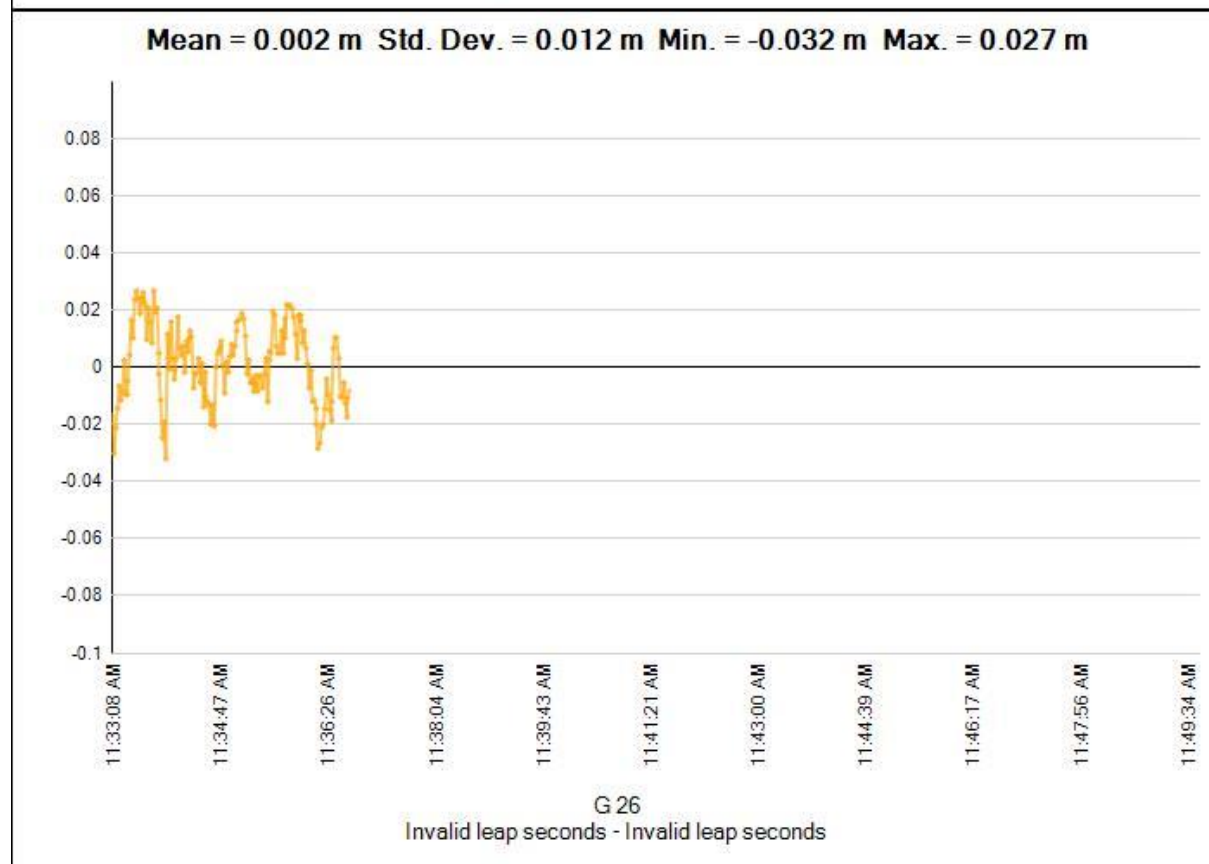
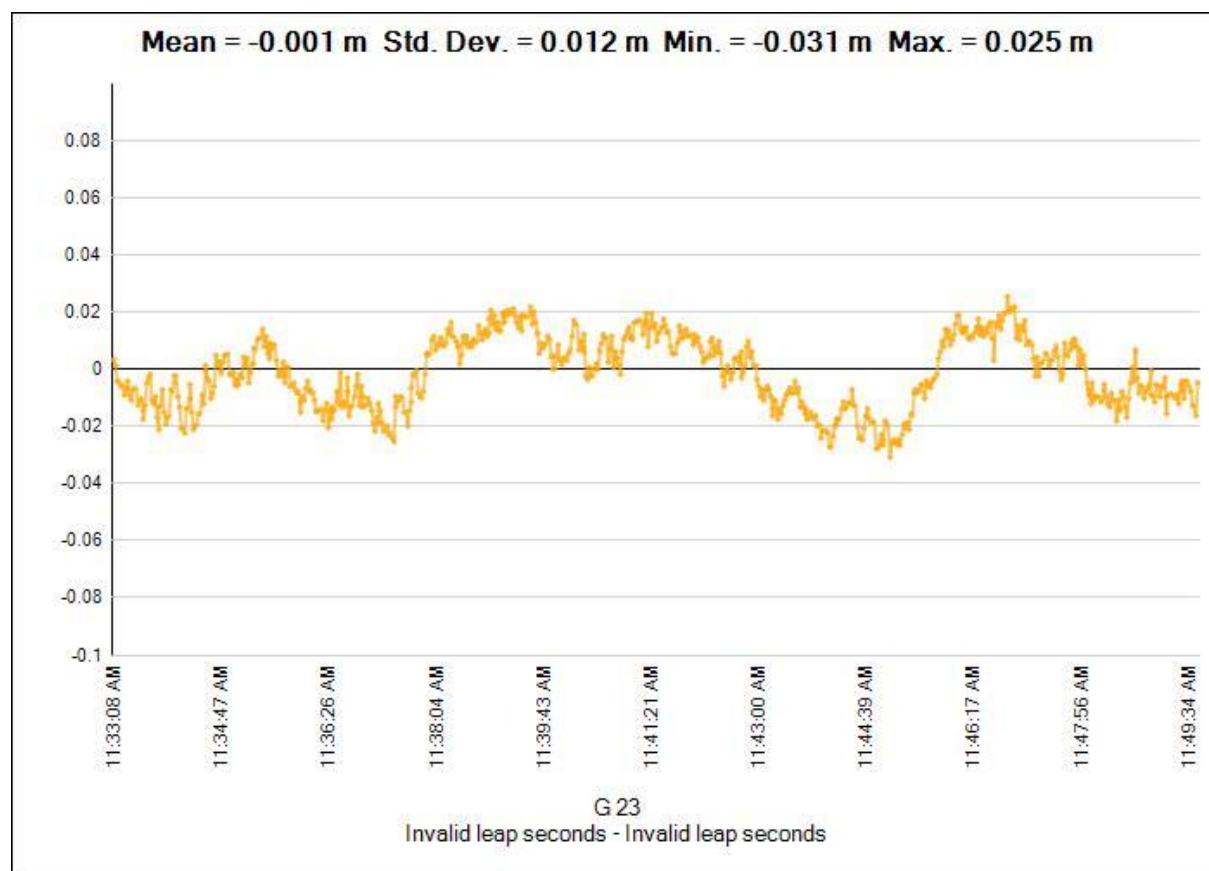
Residuals

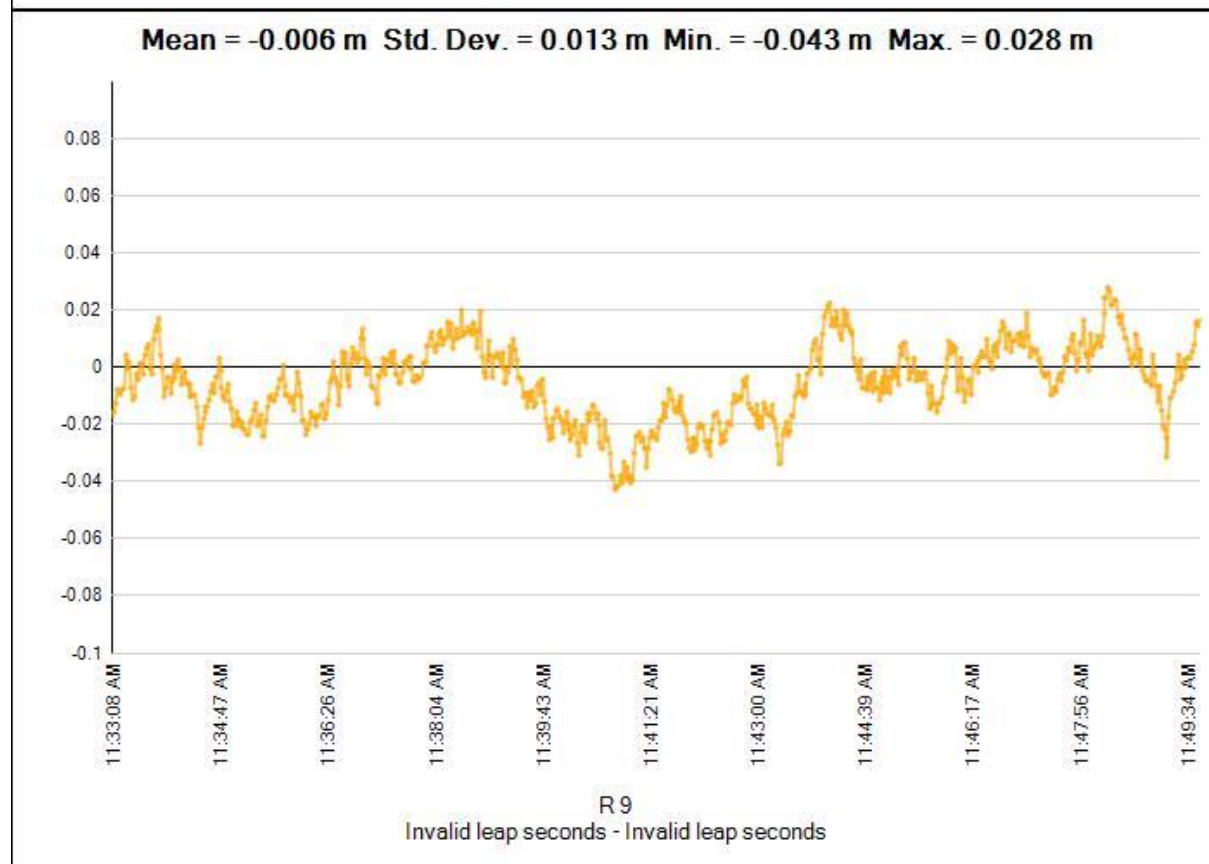
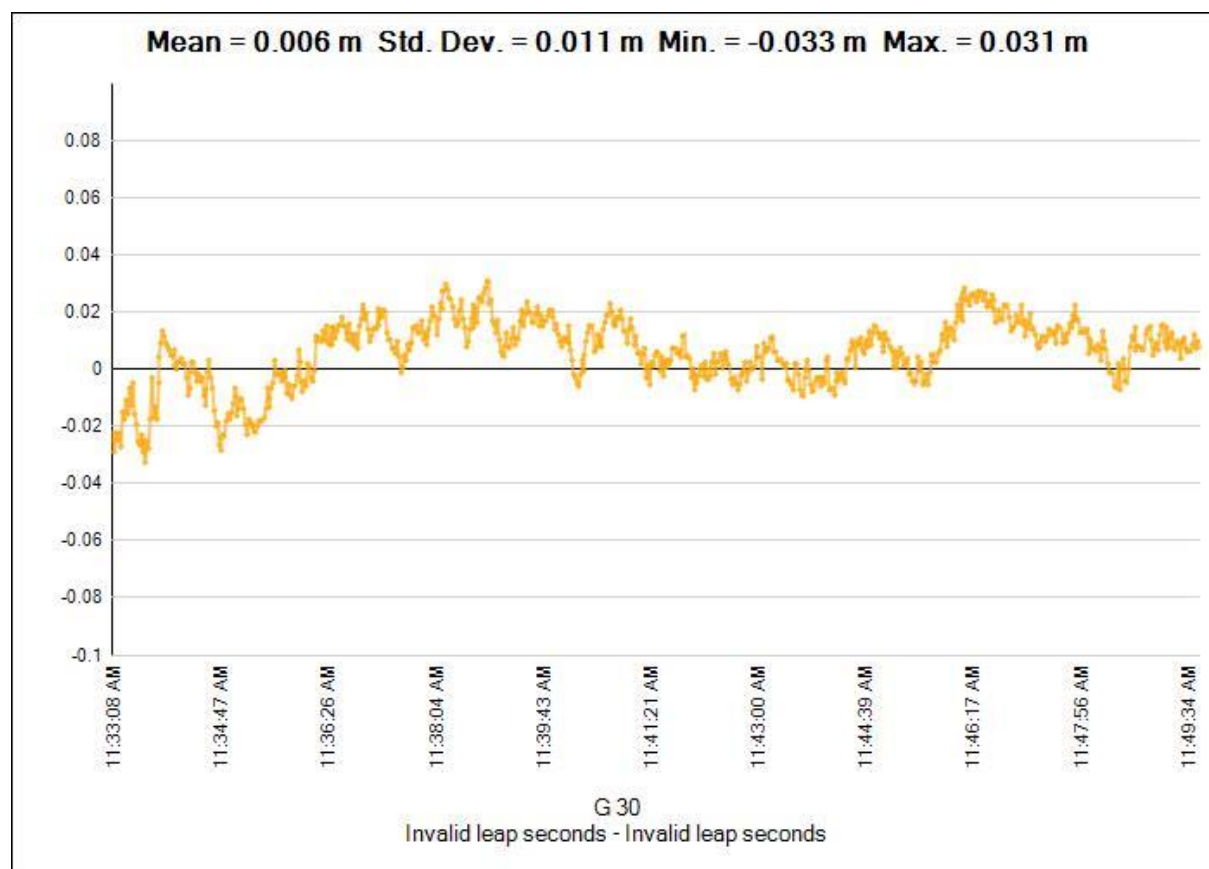


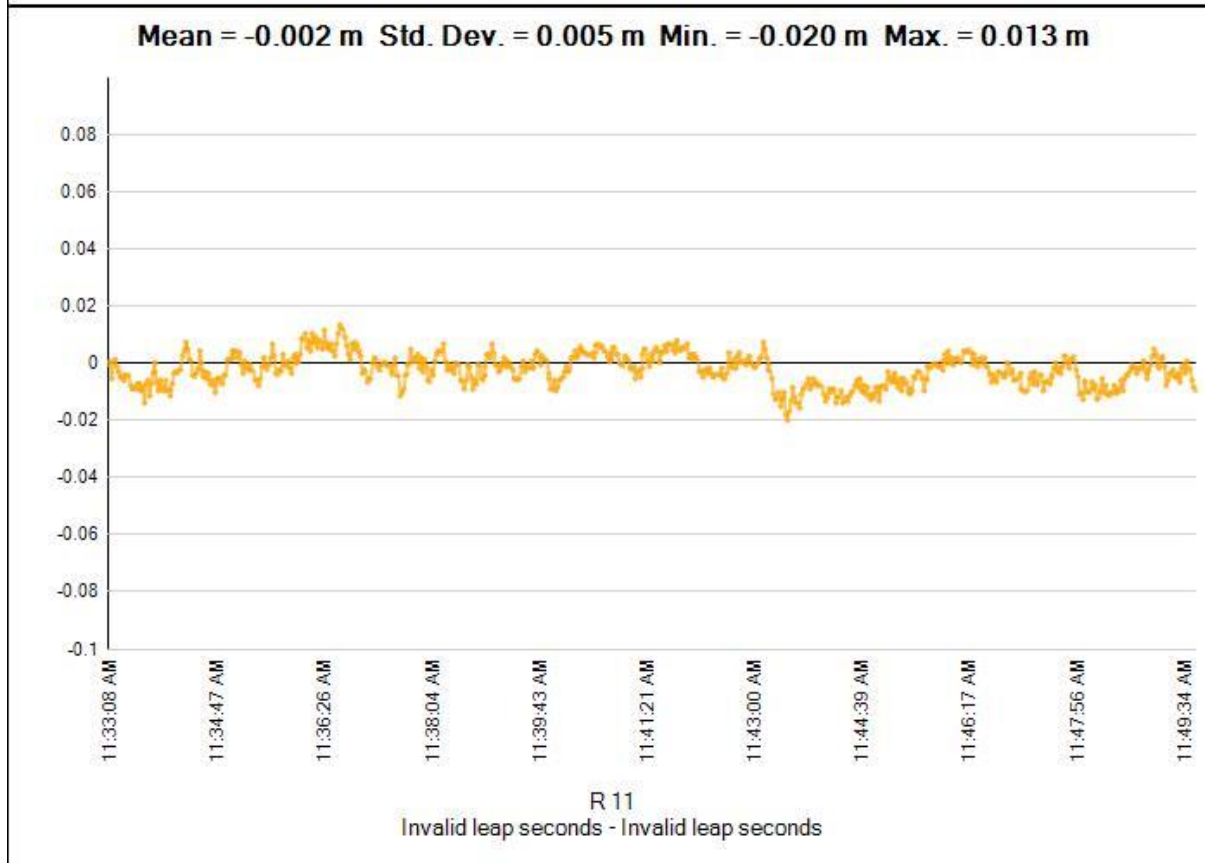
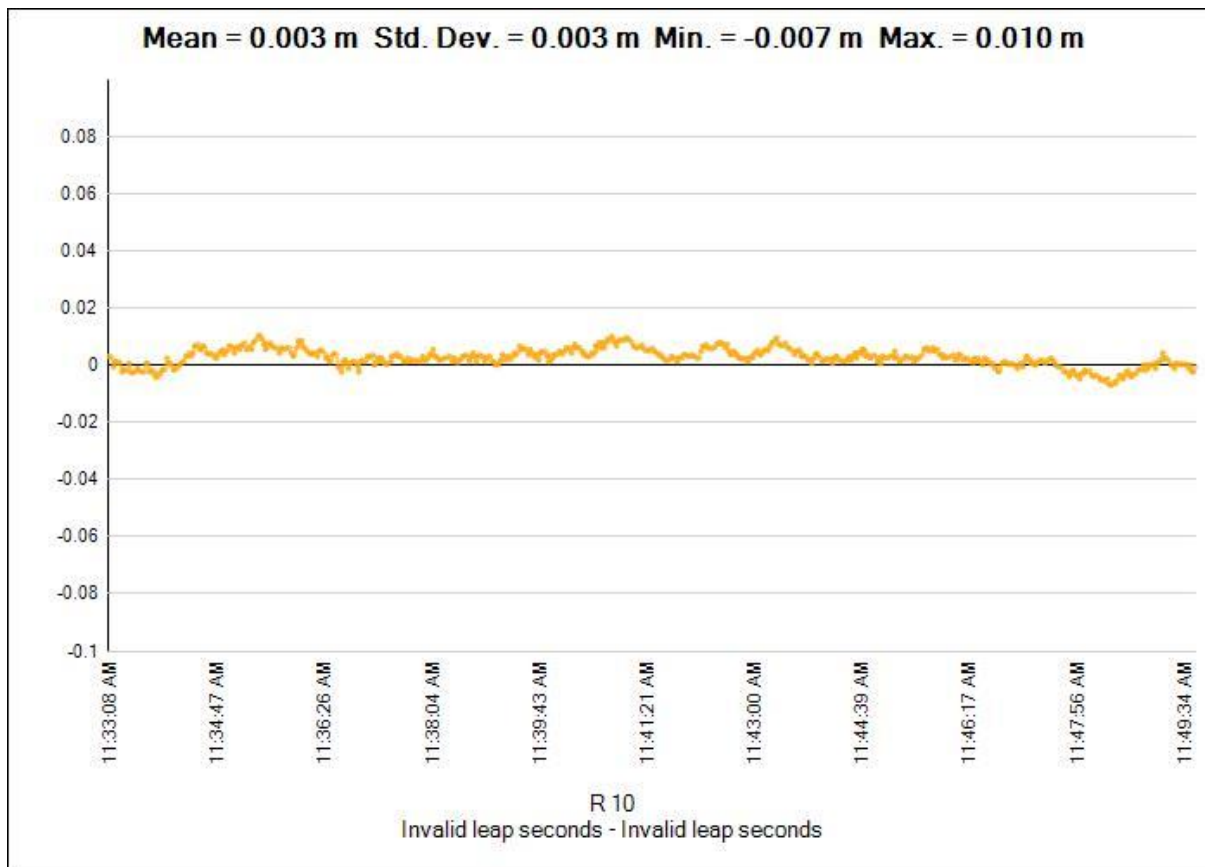


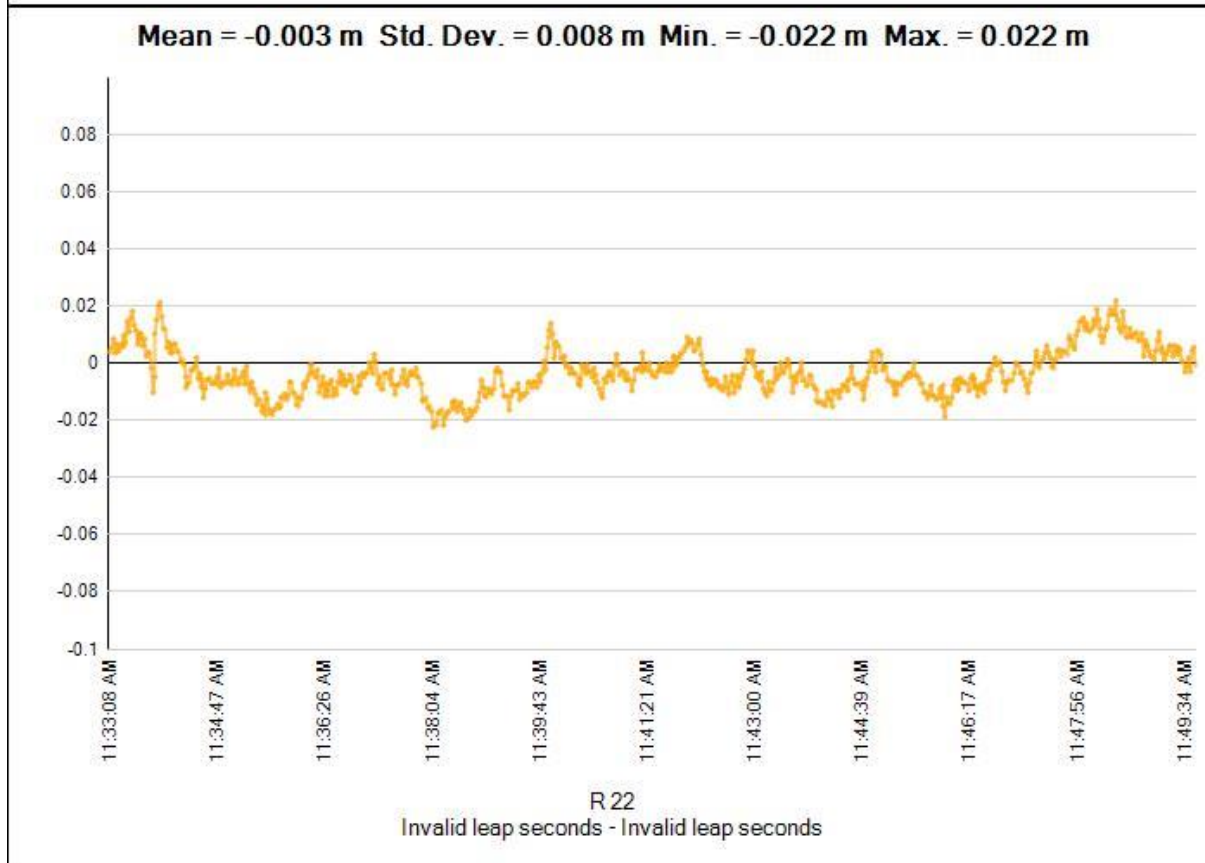
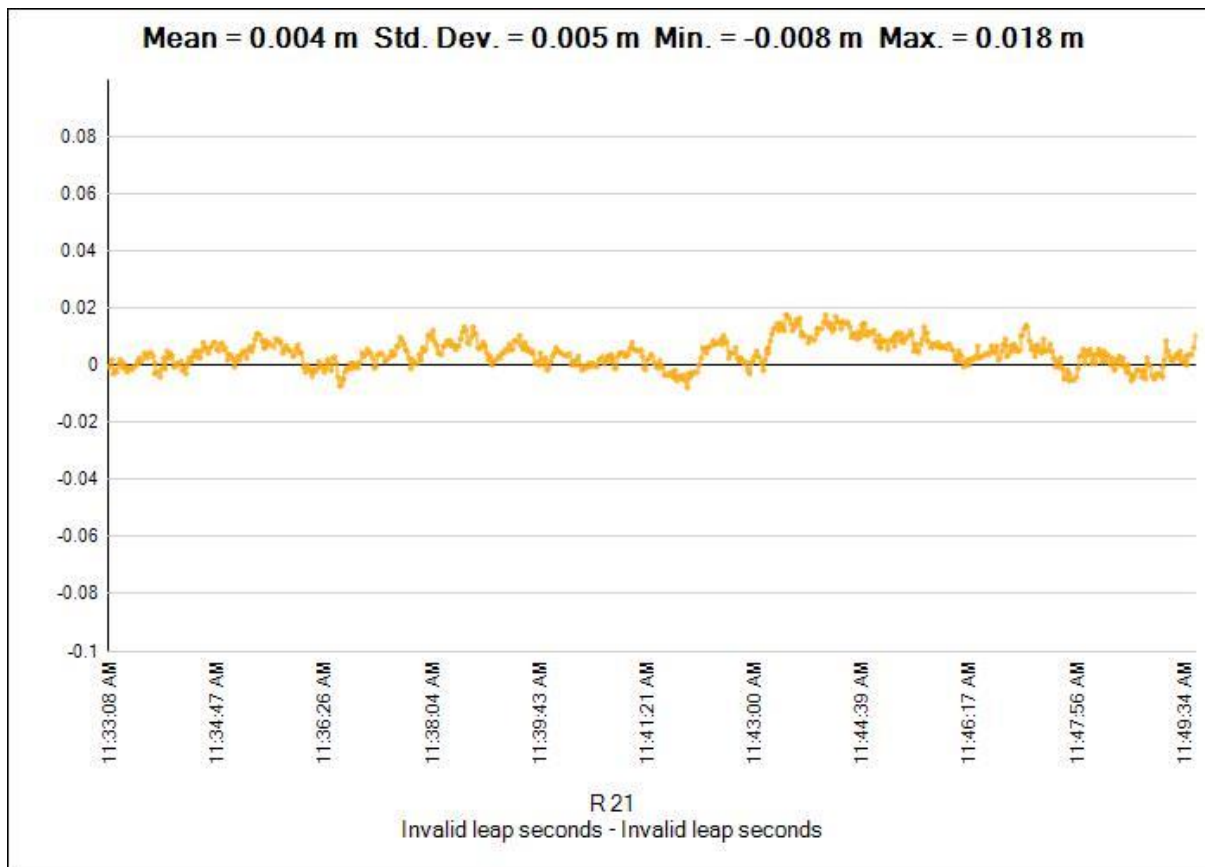












Processing style

Elevation mask: 10.0 deg
Auto start processing: Yes
Start automatic ID numbering: AUTO0001
Continuous vectors: No
Generate residuals: Yes
Antenna model: Automatic
Ephemeris type: Automatic
Frequency: Multiple Frequencies
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Acceptance Criteria

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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

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