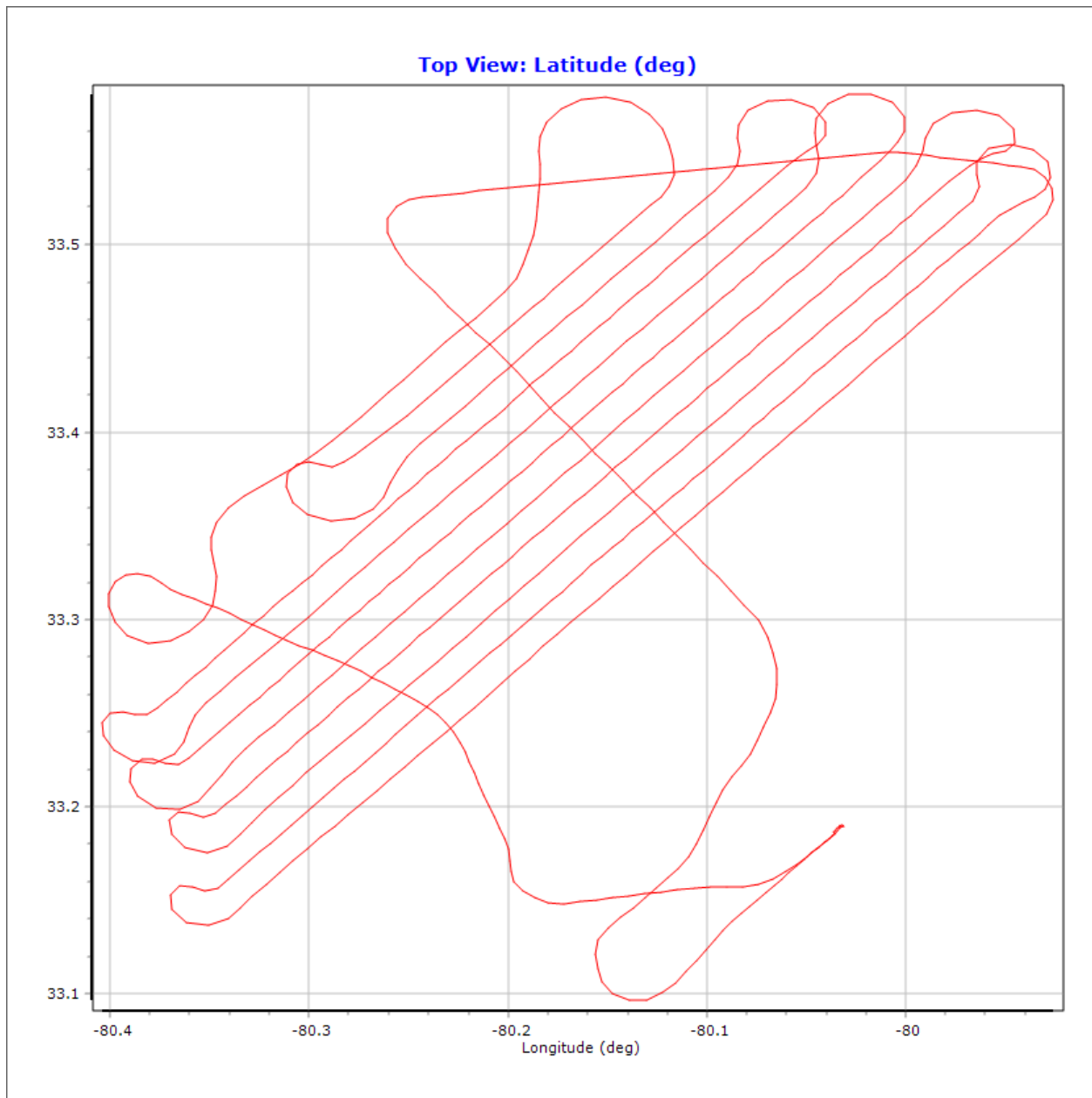
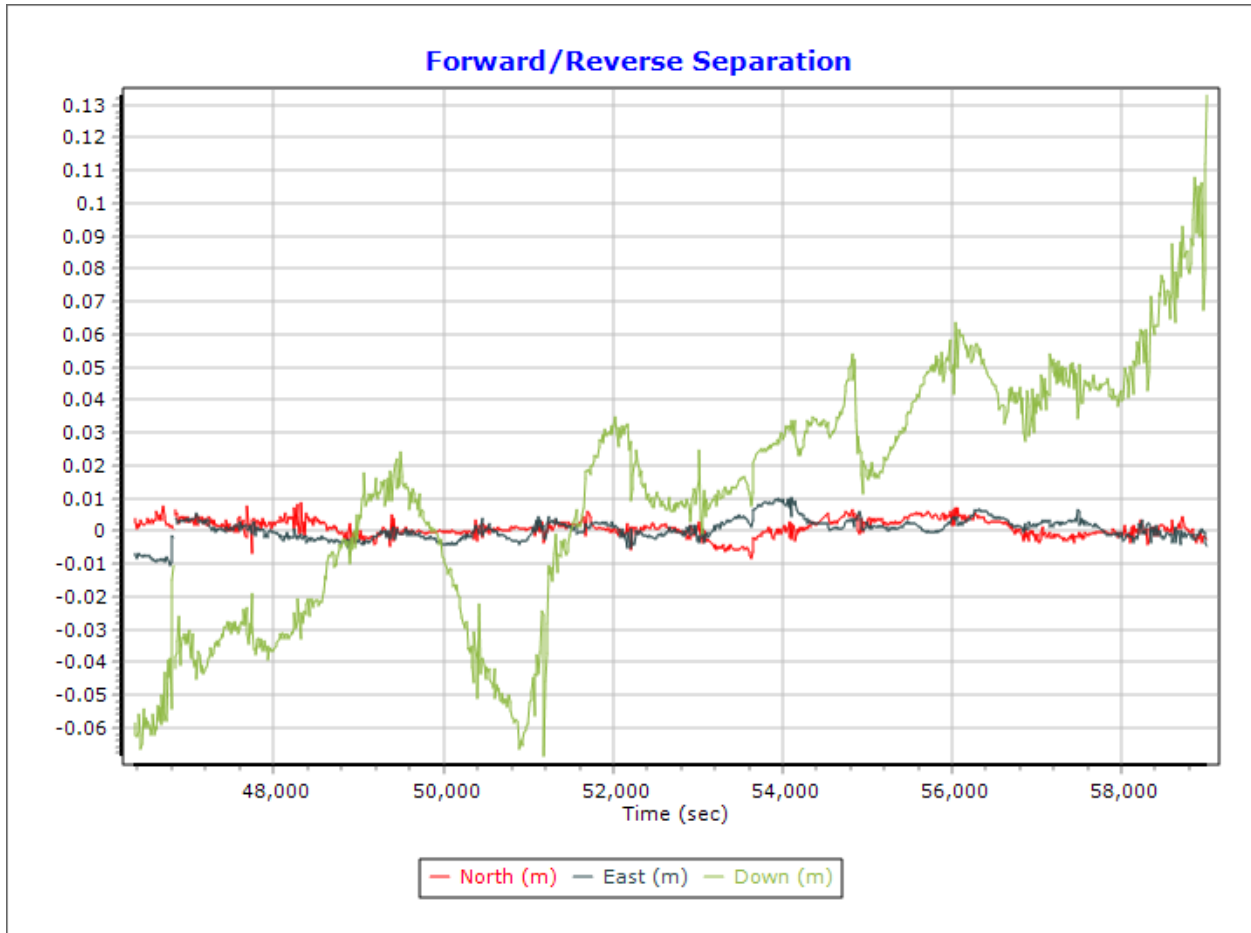
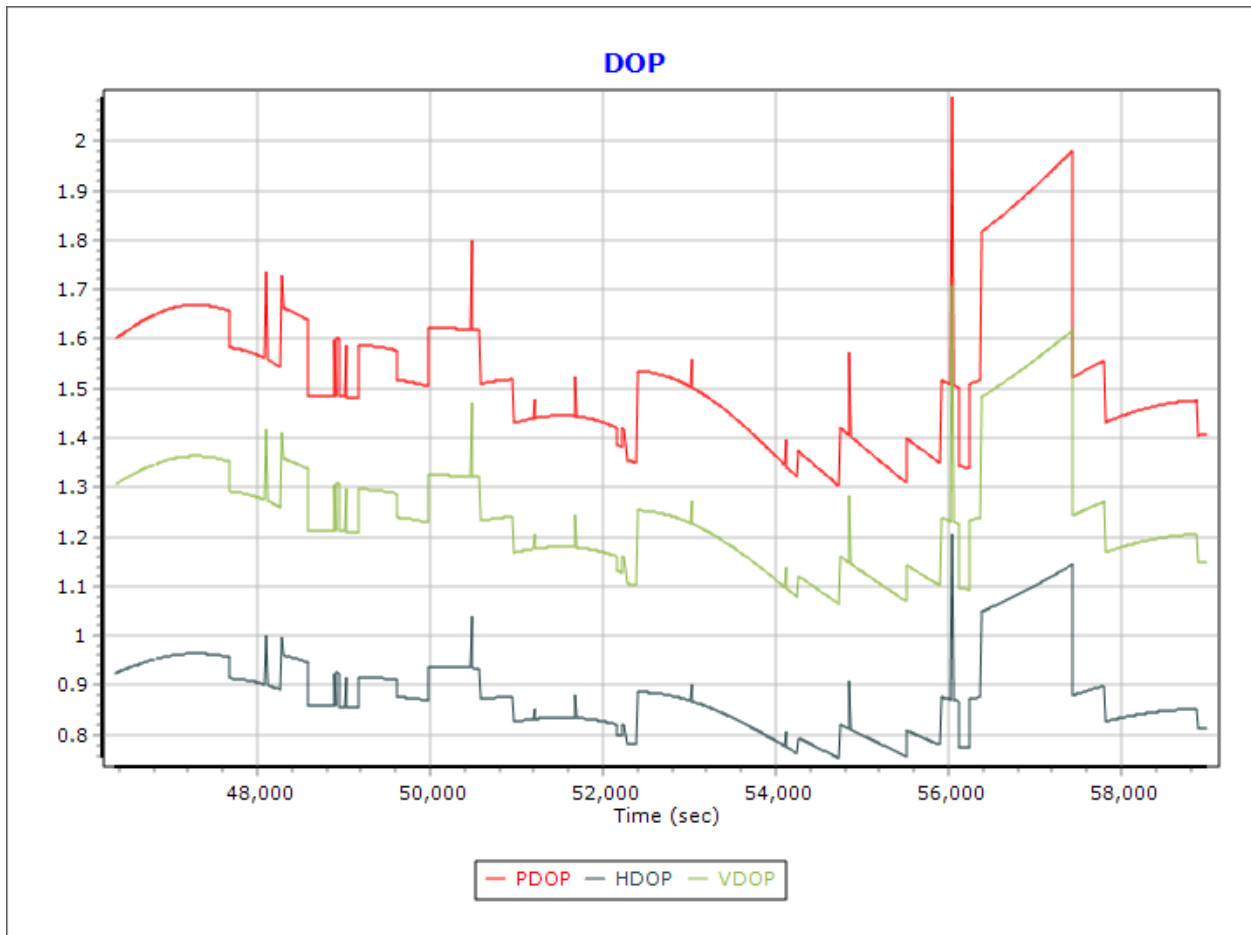
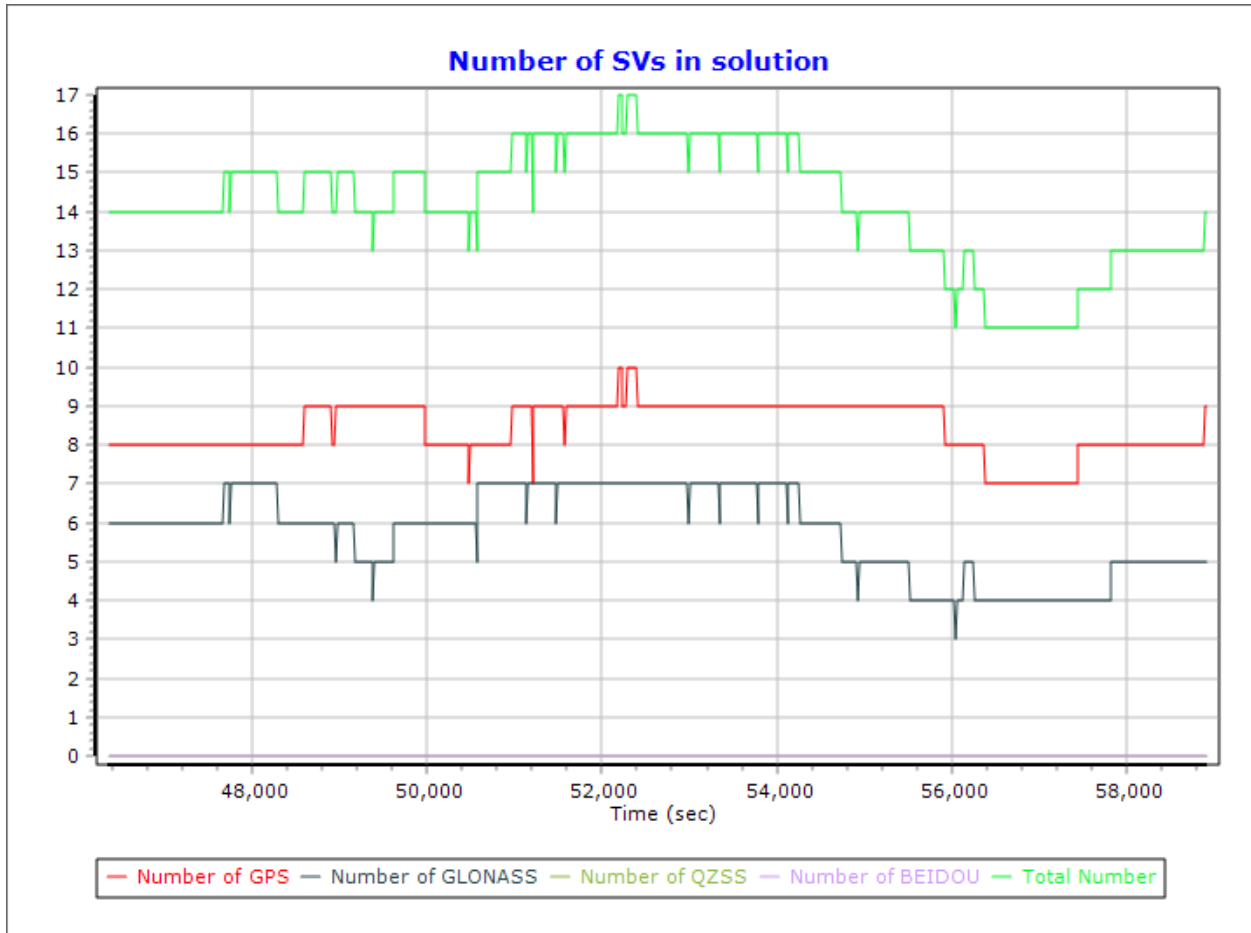


Appendix C: GPS and IMU Processing Reports for Each Mission









Processing Summary Information

Program: POSpac MMS
Version: 7.2.5934.15637
Project: \\sa\data\riegl\217001\20170226_SC_A\05_INS-GPS_PROC\01_POS\20170226_SC_A.pospac

Solution Type: In-Fusion SmartBase

Fixed: 12593 (99.99%)
Float: 0 (0.0%)
No Solution: 1 (0.01%)

Number of Epochs:

Total in .raw file: 82
No processed position:

Fwd/Rev Separation RMS Values (m):

East: 0.003
North: 0.003

Height: 0.039

Fwd/Rev Sep. RMS for 25%-75% weighting (m): 6336 occurrences

East: 0.003

North: 0.003

Height: 0.029

Position Standard Deviation Percentages:

0.00 - 0.10 m: 100.0 %

0.10 - 0.30 m: 0.0 %

0.30 - 1.00 m: 0.0 %

1.00 - 5.00 m: 0.0 %

5.00 m + over: 0.0 %

Percentages of epochs with DD_DOP over 10.00: 0%

DOP over Tol: 1.53 %

Baseline Distances (km):

Maximum: 30.65

Minimum: 0.72

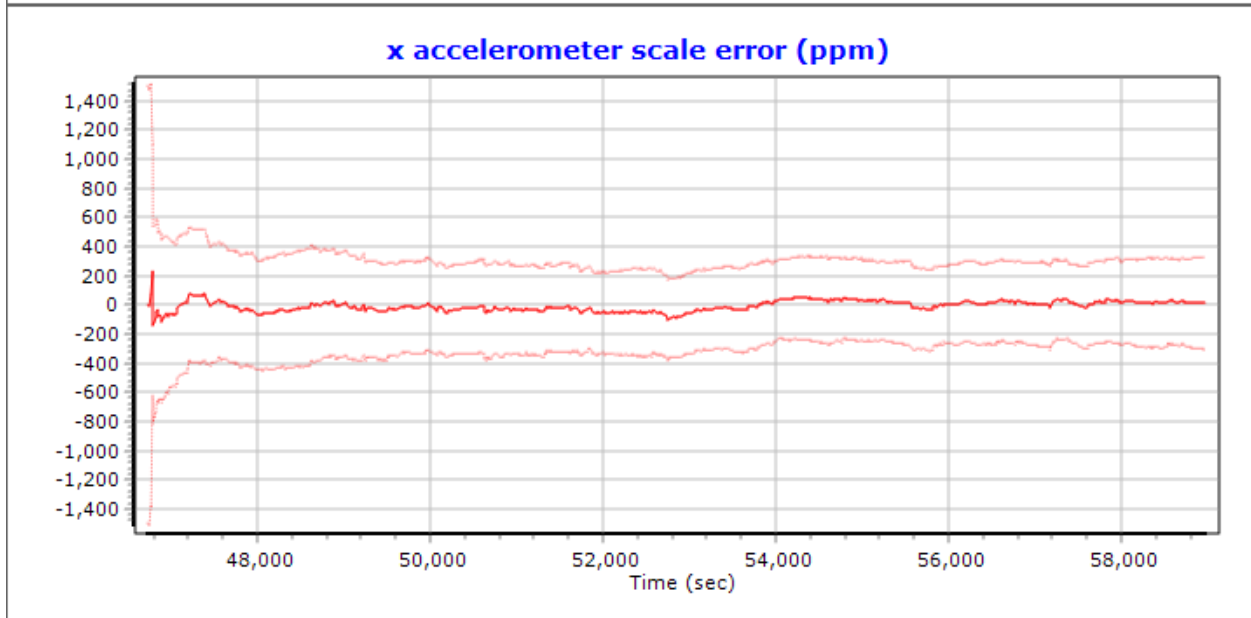
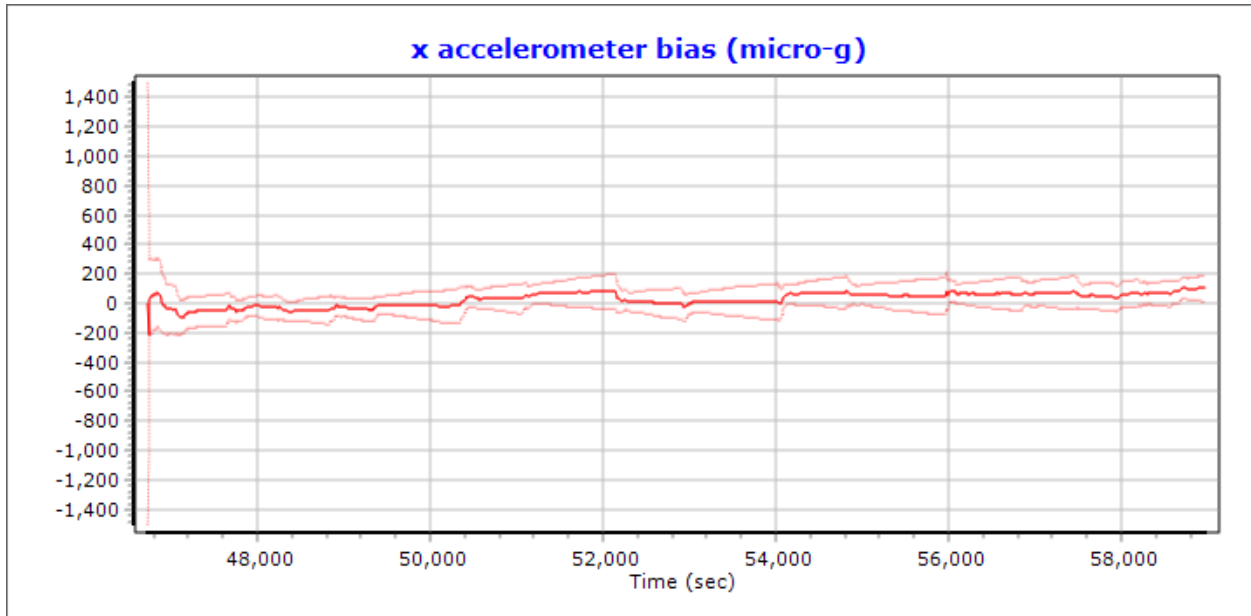
Average: 16.65

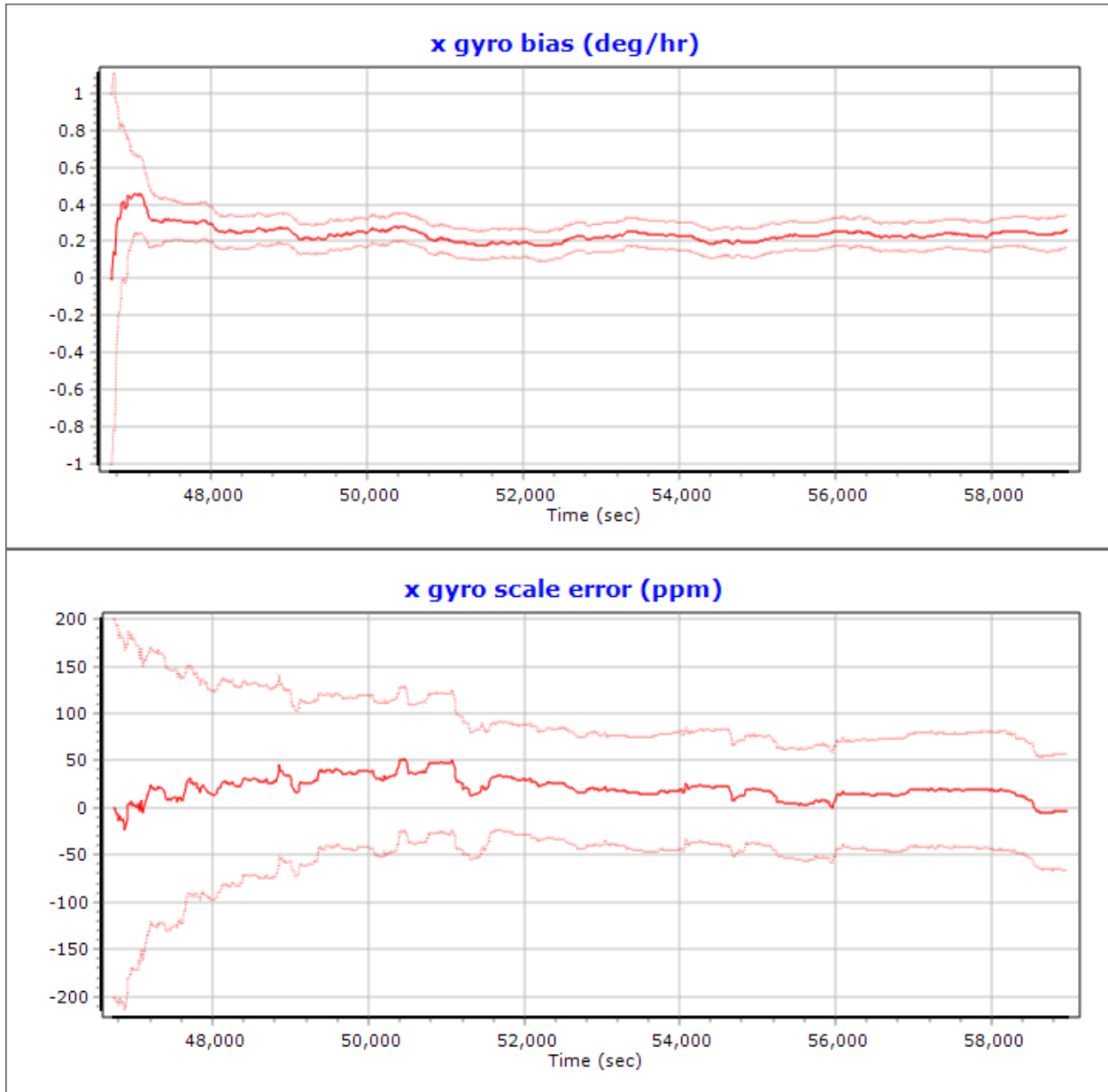
First Epoch: 22.166

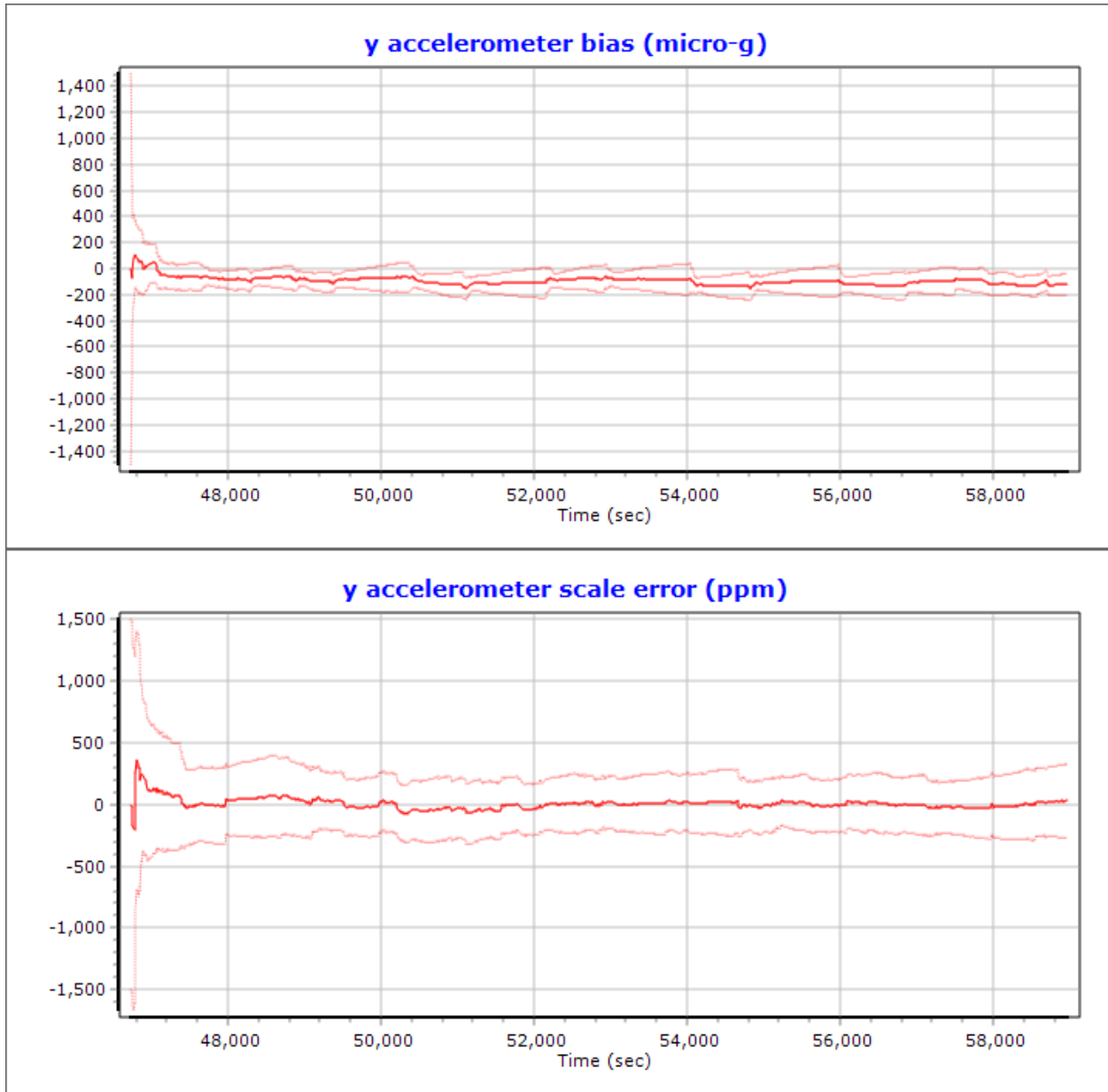
Last Epoch: 22.148

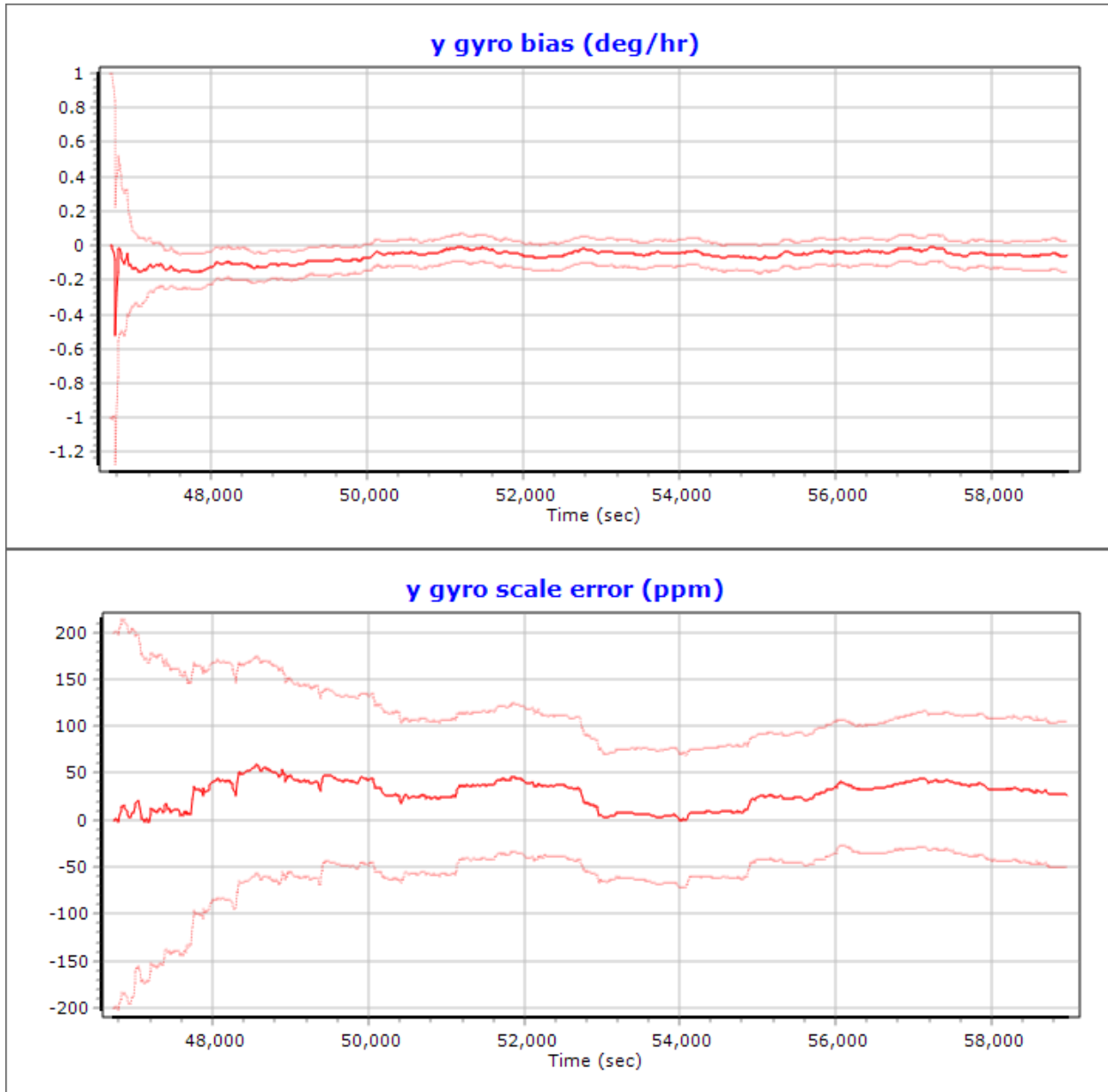
CORS Base Stations

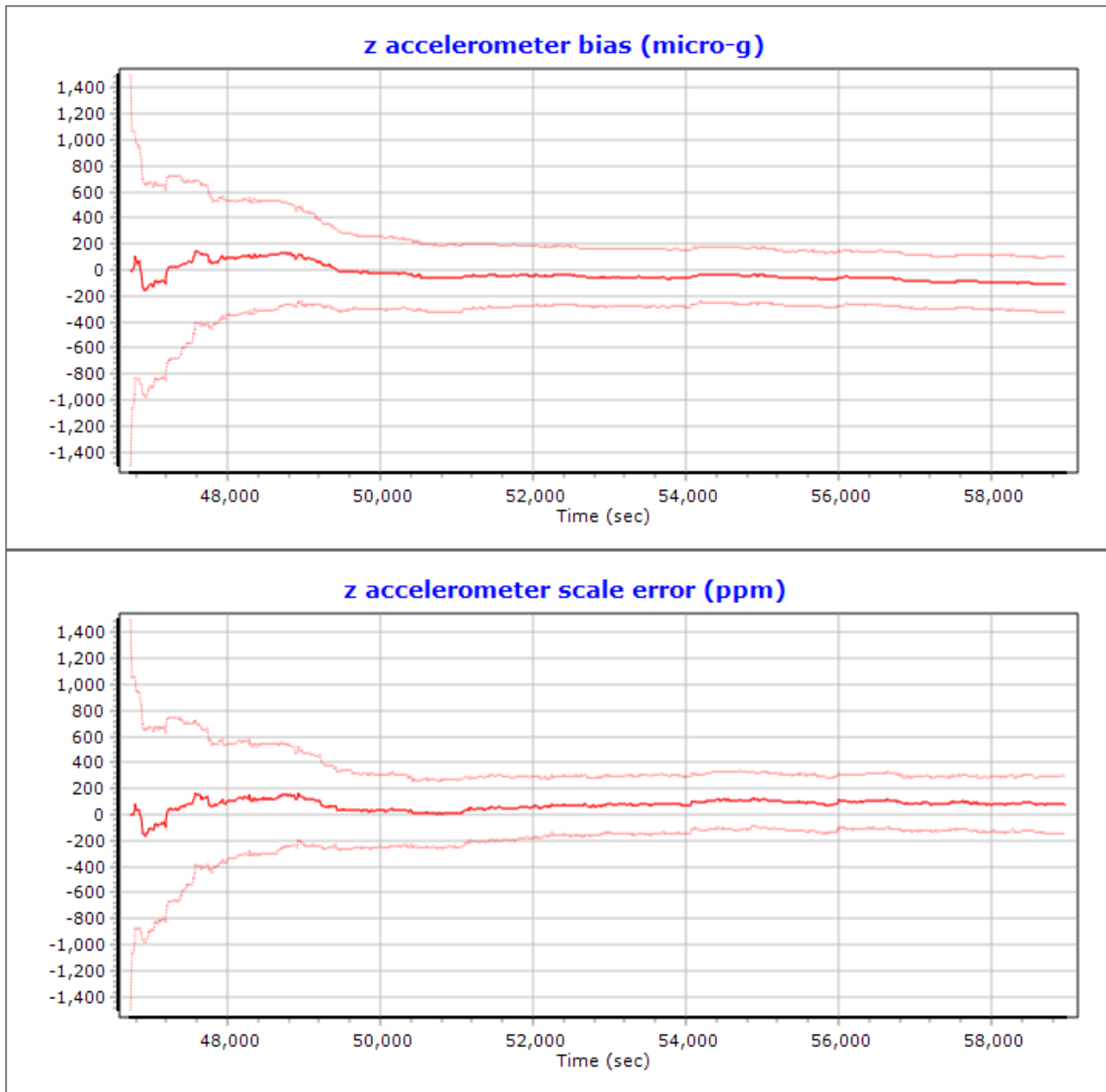
Station	Original (m)			Adjusted (m)		
	Latitude	Longitude	Altitude	Latitude	Longitude	Altitude
SCHA	N32°46'46.09238"	W79°55'31.29602"	-13.183	N32°46'46.11687"	W79°55'31.31684"	-14.667
SCWT	N32°54'12.37703"	W80°40'06.29559"	-3.409	N32°54'12.37721"	W80°40'06.29575"	-3.423
SCSR	N33°55'22.03580"	W80°20'26.60189"	35.145	N33°55'22.03632"	W80°20'26.60208"	35.117
SCHY	N33°56'23.76205"	W78°44'06.90328"	-17.463	N33°56'23.76248"	W78°44'06.90313"	-17.499
SCEB	N32°28'58.77962"	W80°19'55.92572"	-25.407	N32°28'58.77944"	W80°19'55.92513"	-25.438
NCWH	N34°16'49.61579"	W78°42'59.35207"	-3.762	N34°16'49.61633"	W78°42'59.35172"	-3.801
NCSL	N33°58'57.22690"	W78°23'24.32661"	-11.422	N33°58'57.22761"	W78°23'24.32656"	-11.471
NCRO	N34°57'52.01376"	W79°47'47.76295"	90.485	N34°57'52.01434"	W79°47'47.76275"	90.442
NCPO	N34°59'33.19886"	W80°10'37.88007"	83.545	N34°59'33.19921"	W80°10'37.88004"	83.51
NCMR	N34°58'54.80268"	W80°31'25.81285"	142.946	N34°58'54.80297"	W80°31'25.81280"	142.924
NCLU	N34°37'36.36203"	W79°04'39.71601"	14.404	N34°37'36.36241"	W79°04'39.71572"	14.386
GACC	N33°32'44.73003"	W82°08'01.72446"	98.492	N33°32'44.73041"	W82°08'01.72423"	98.459
GAAU	N33°28'17.14128"	W82°02'01.80715"	113.034	N33°28'17.14108"	W82°02'01.80718"	113.028
GAAE	N33°25'38.07514"	W82°04'04.06747"	124.365	N33°25'38.07573"	W82°04'04.06740"	124.326
COLA	N34°04'51.58332"	W81°07'18.03799"	81.574	N34°04'51.58332"	W81°07'18.03799"	81.574

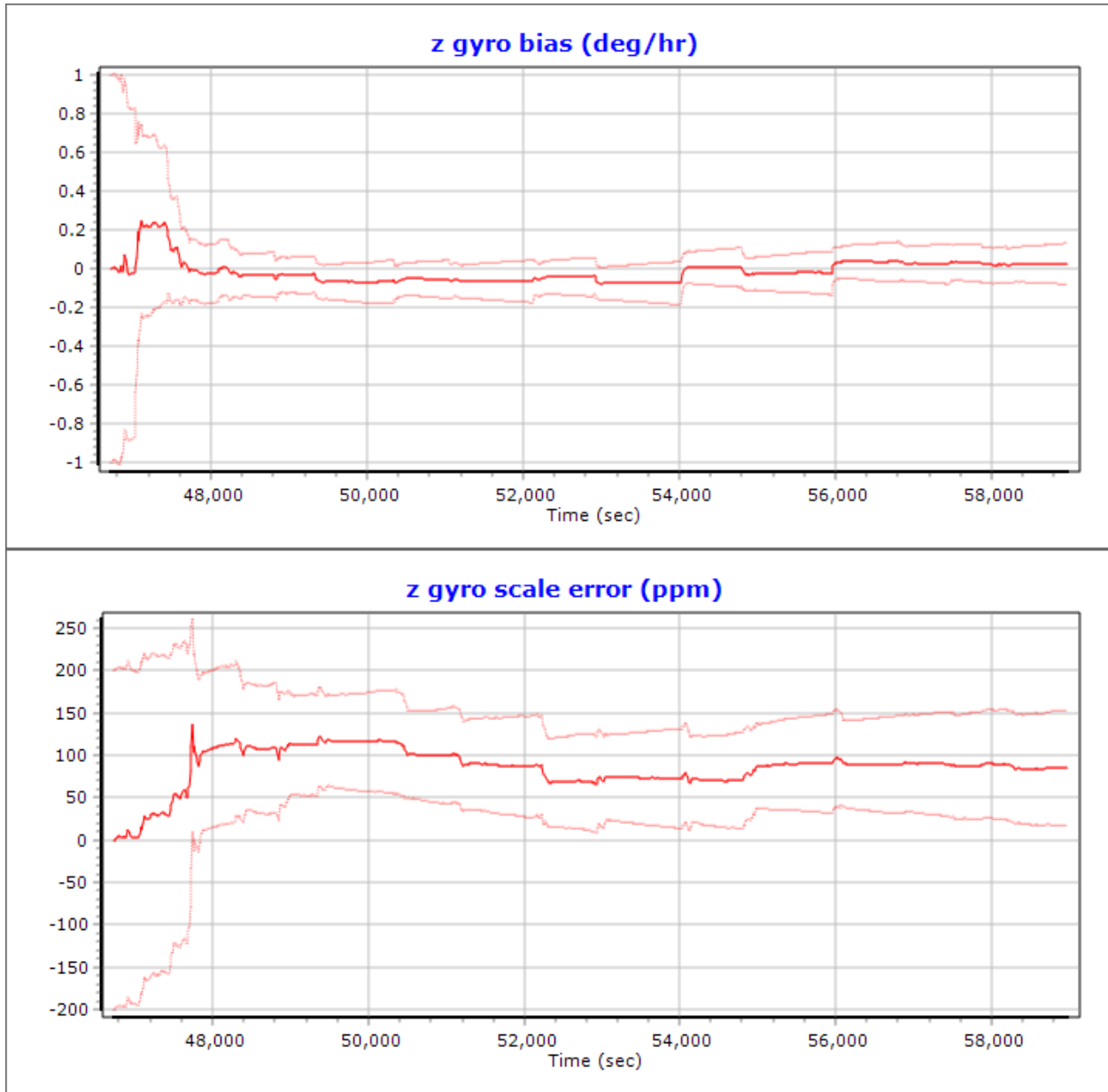


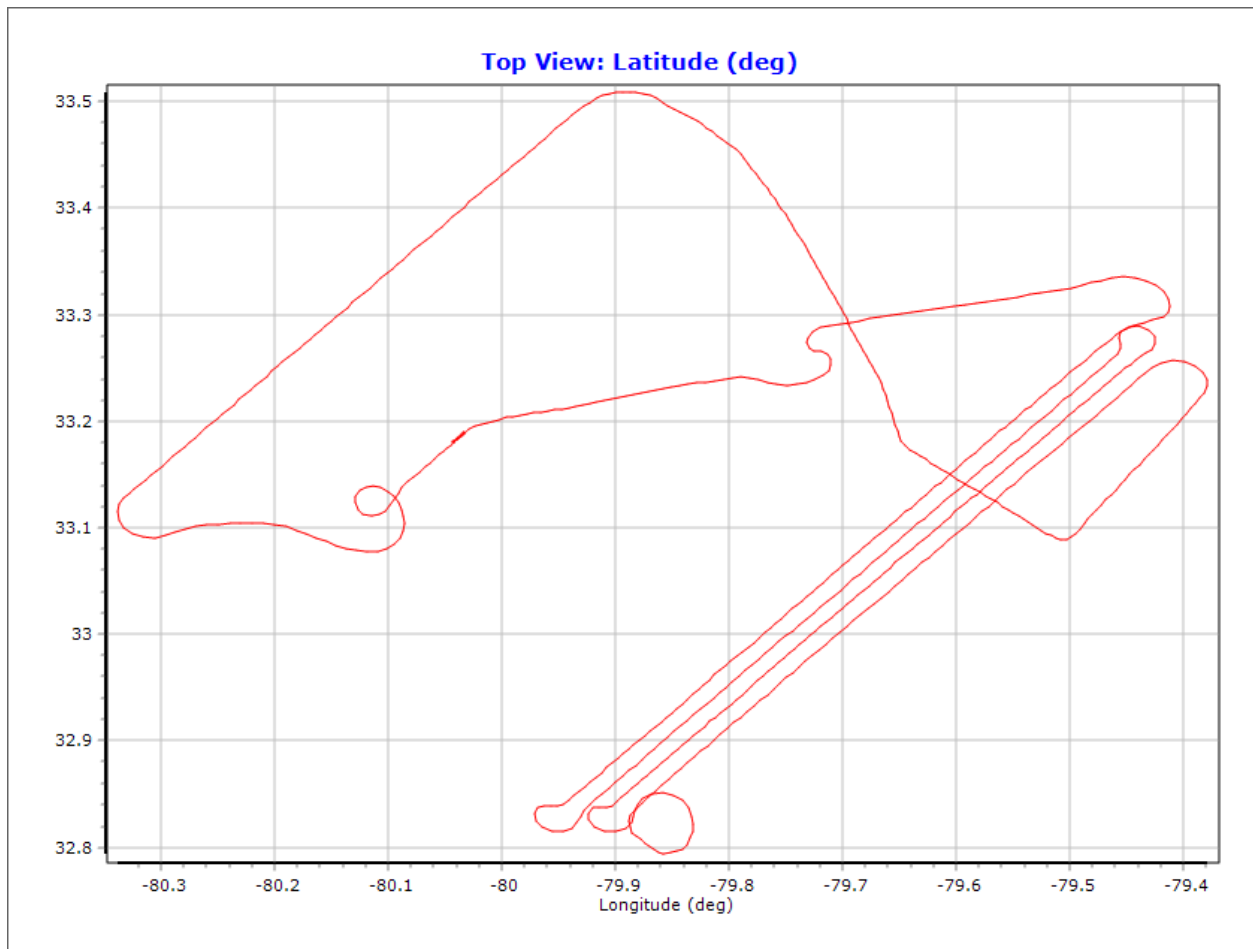


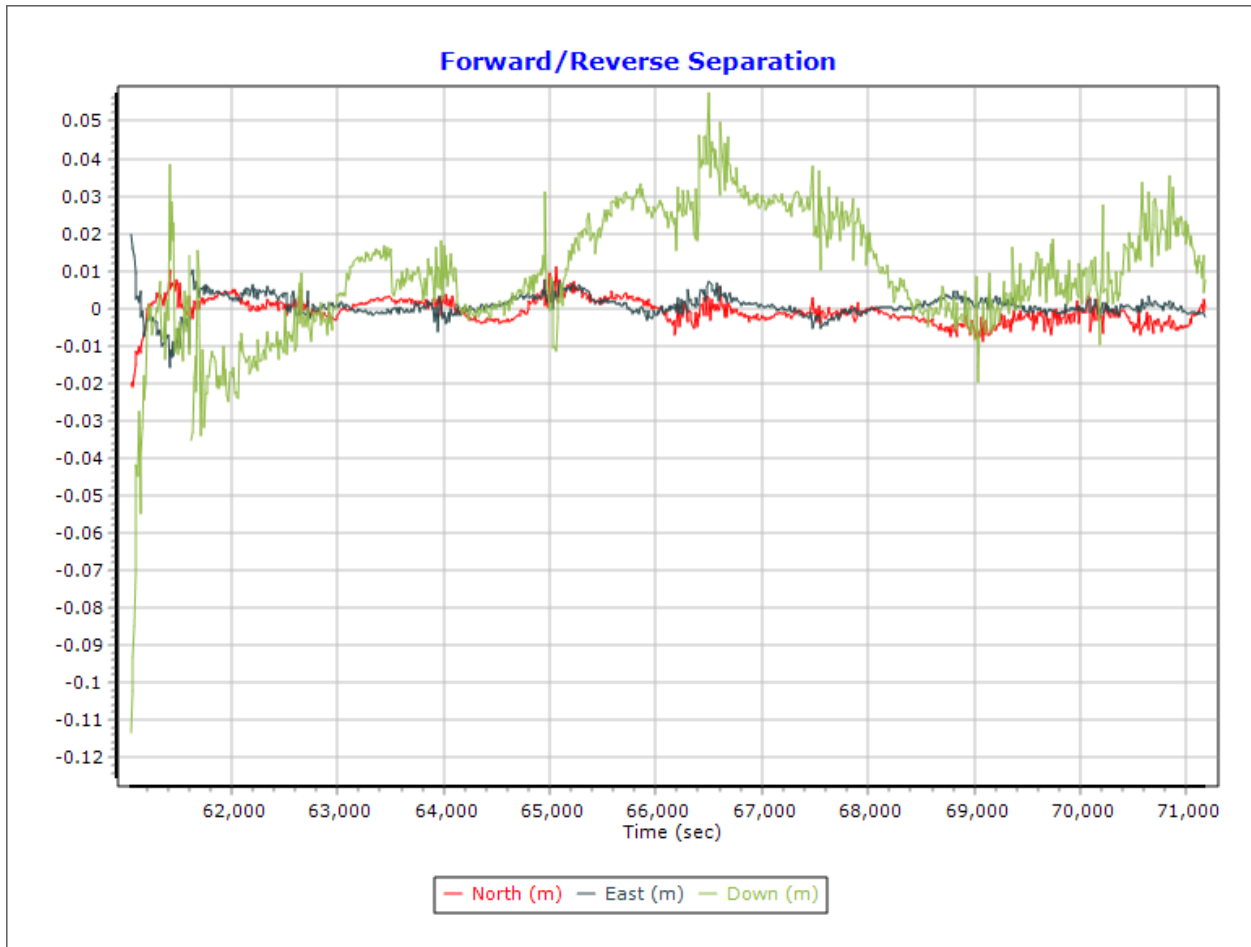


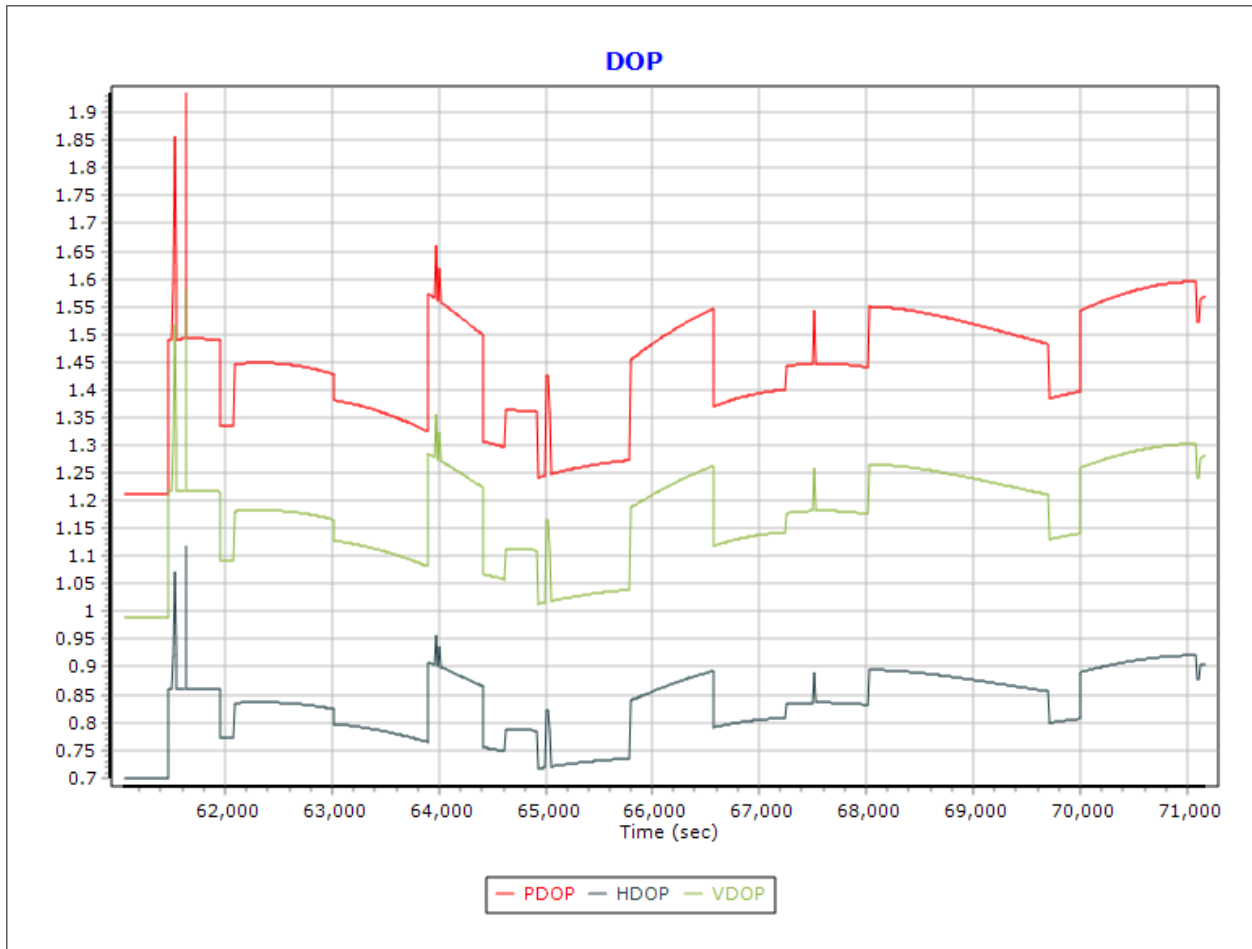


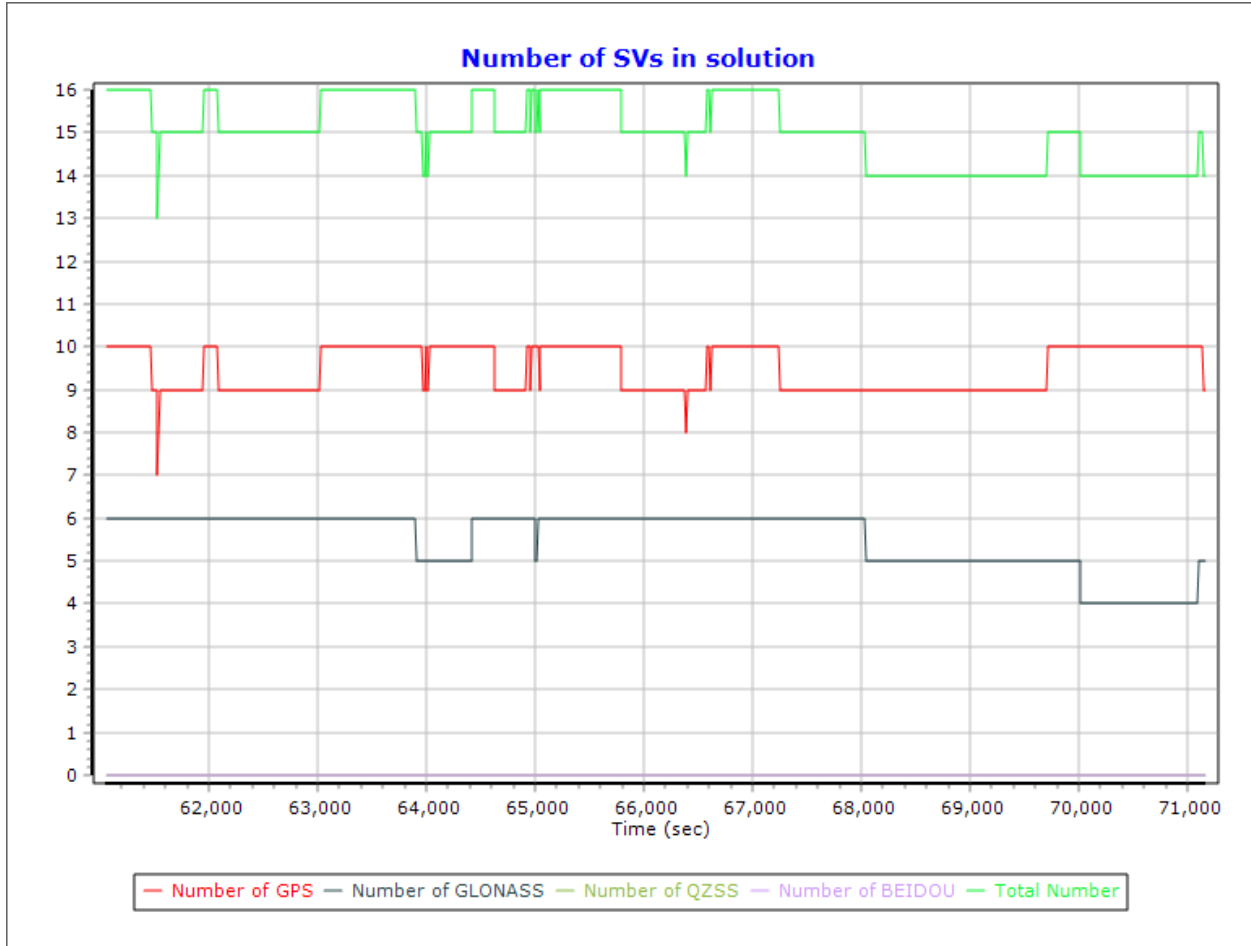












Processing Summary Information

Program: POSpac MMS
Version: 7.2.5934.15637
Project: \\sa\data\riegl\217001\20170226_SC_B\05_INS-GPS_PROC\01_POS\20170226_SC_B.pospac

Solution Type: In-Fusion SmartBase

Fixed: 10135 (99.99%)
Float: 0 (0.0%)
No Solution: 1 (0.01%)

Number of Epochs:

Total in .raw file: 10145
No processed position: 10

Fwd/Rev Separation RMS Values (m):

East: 0.003
North: 0.004
Height: 0.020

Fwd/Rev Sep. RMS for 25%-75% weighting (m): 5072 occurrences

East: 0.002
North: 0.003
Height: 0.022

Position Standard Deviation Percentages: 0%

0.00 - 0.10 m: 100.0 %
0.10 - 0.30 m: 0.0 %
0.30 - 1.00 m: 0.0 %
1.00 - 5.00 m: 0.0 %
5.00 m + over: 0.0 %

Percentages of epochs with DD_DOP over 10.00:

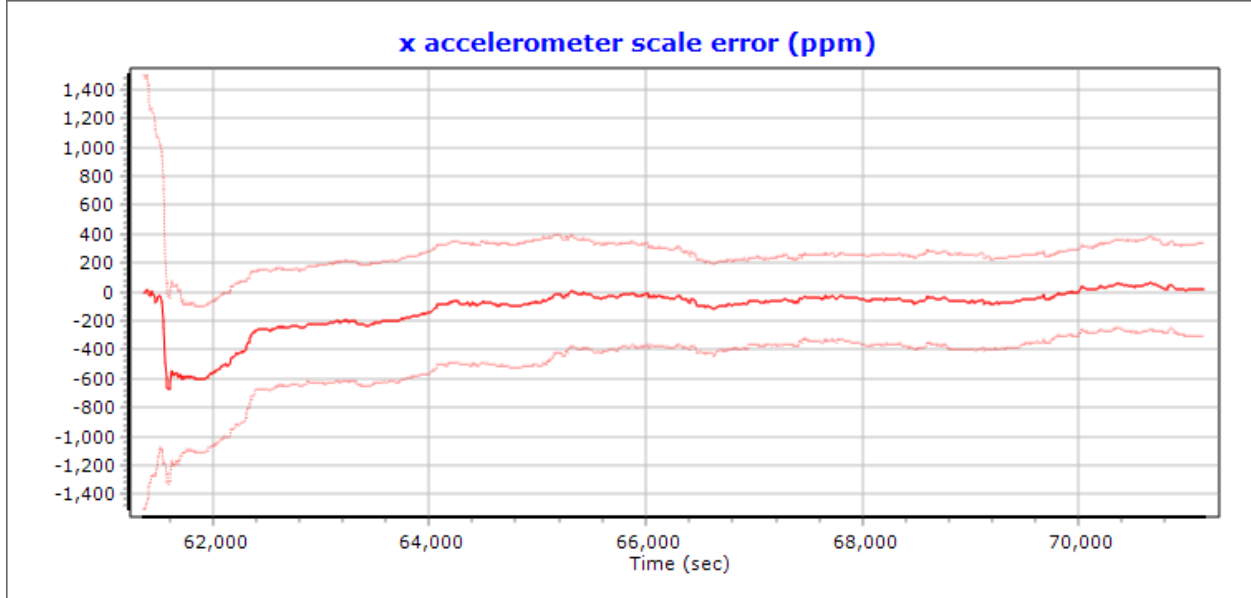
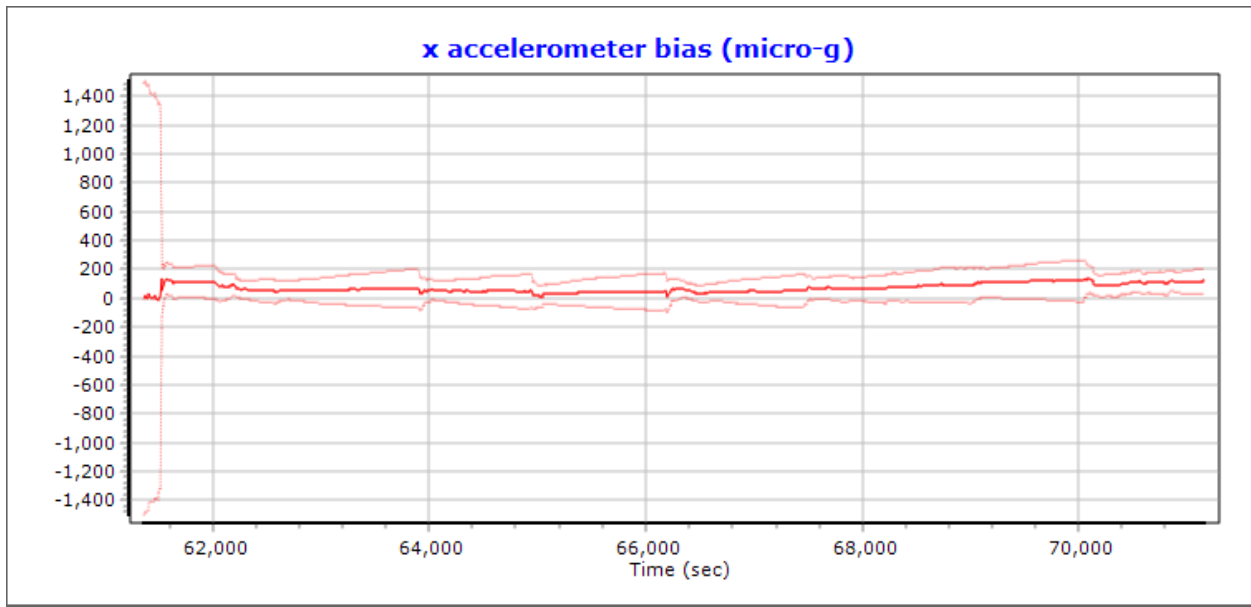
DOP over Tol: 1.44 %

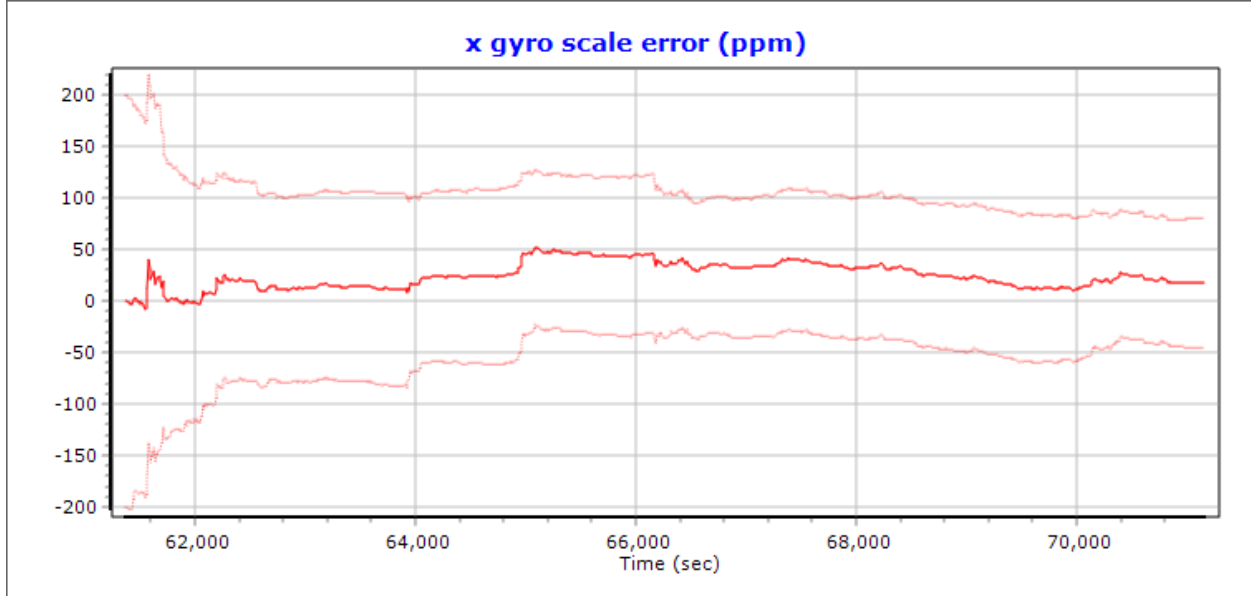
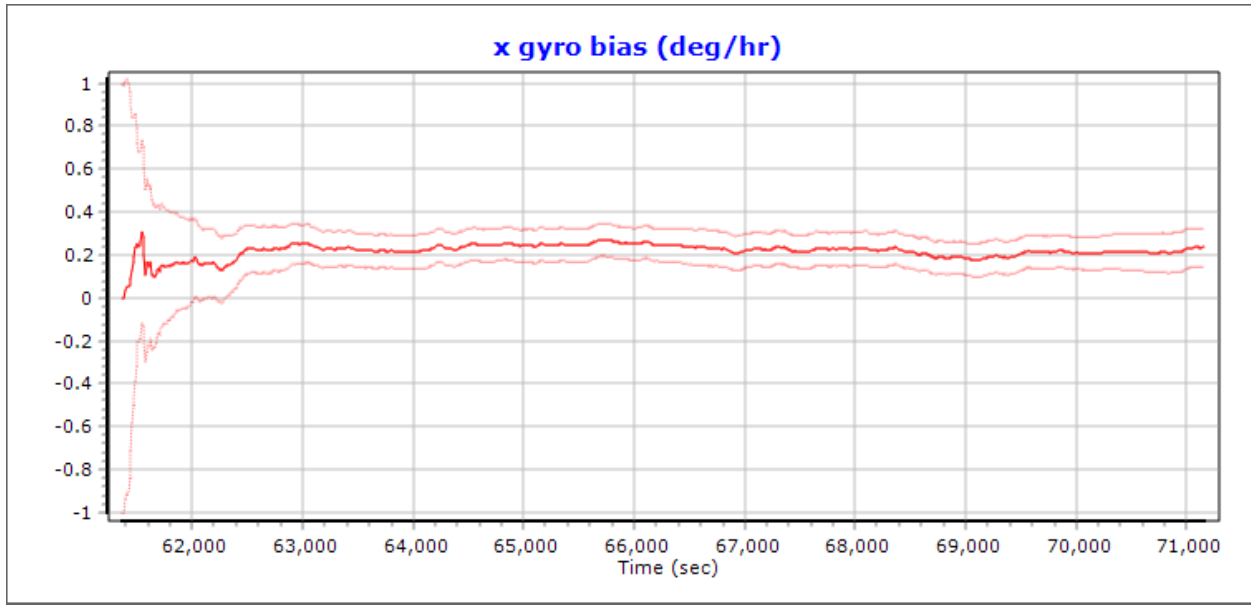
Baseline Distances (km):

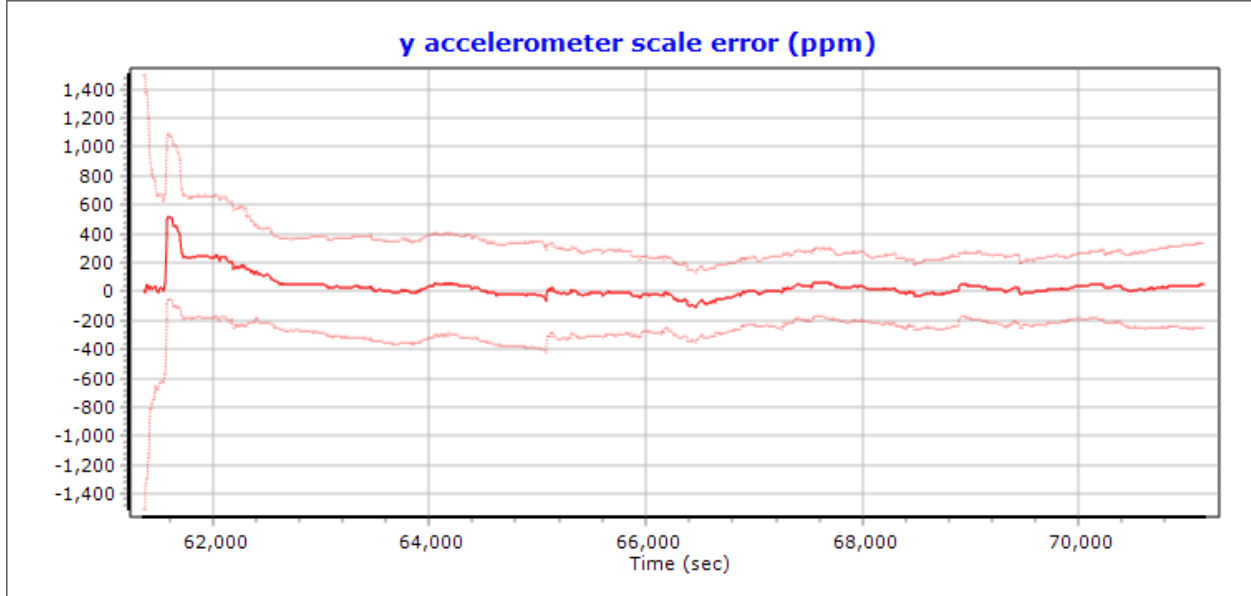
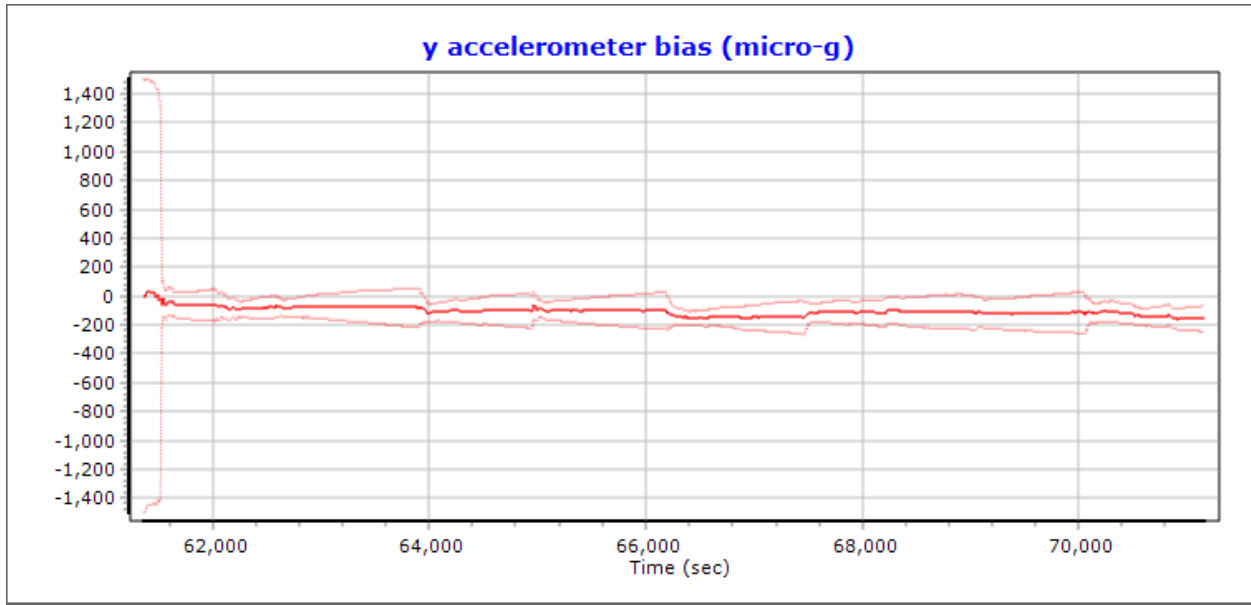
Maximum: 50.78
Minimum: 10.59
Average: 26.87
First Epoch: 22.902
Last Epoch: 22.887

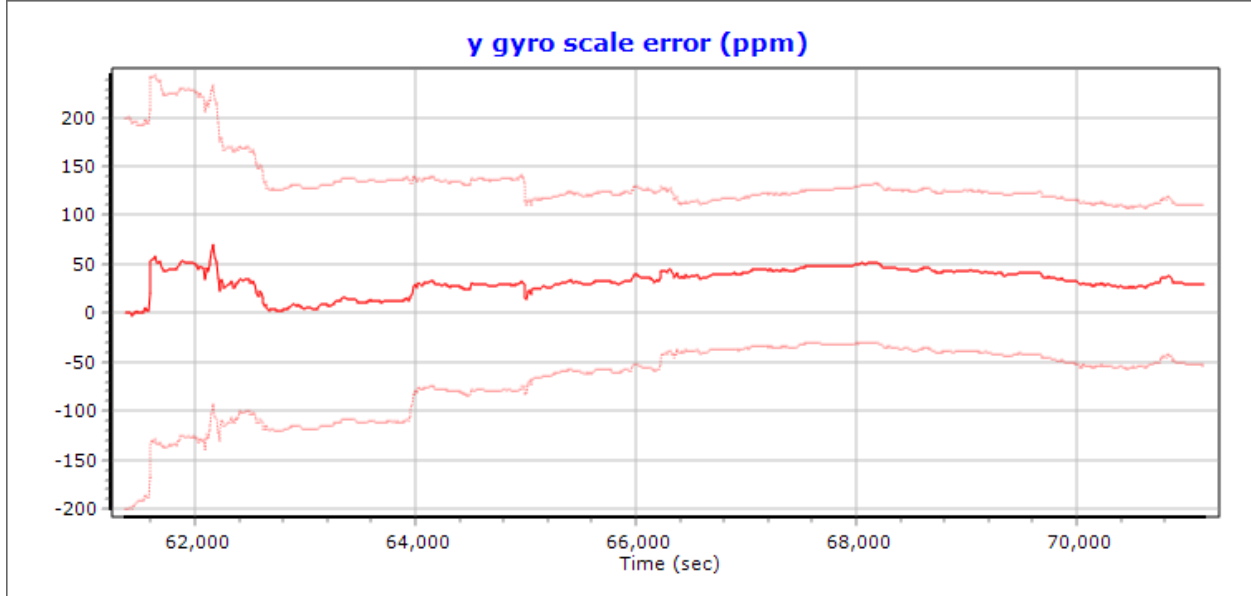
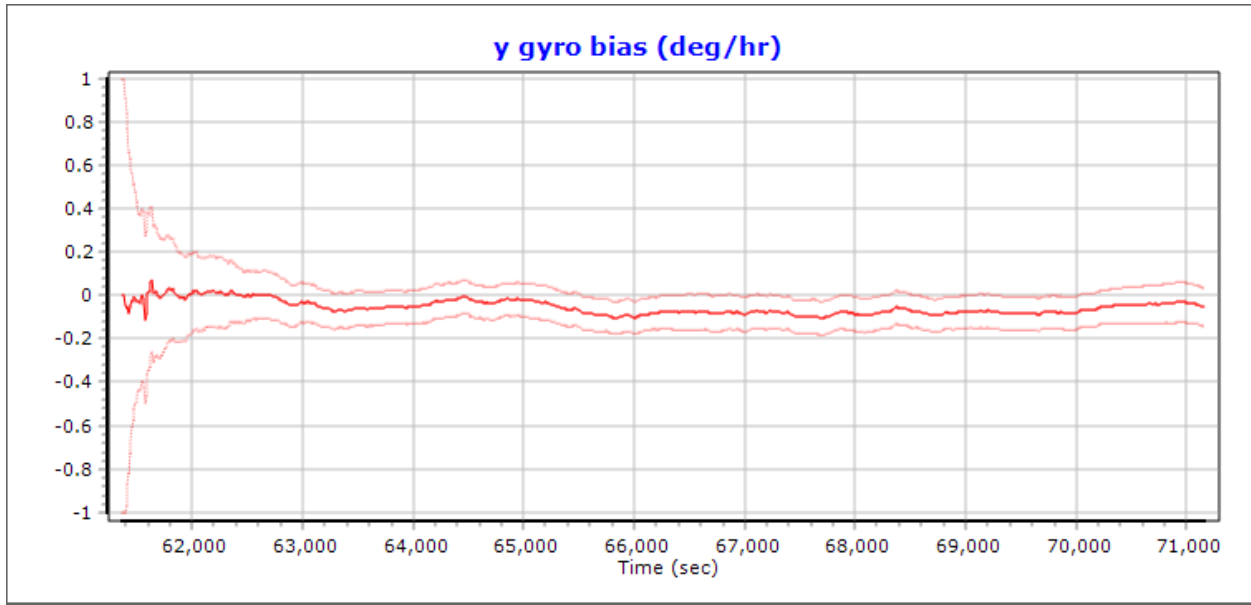
CORS Base Stations

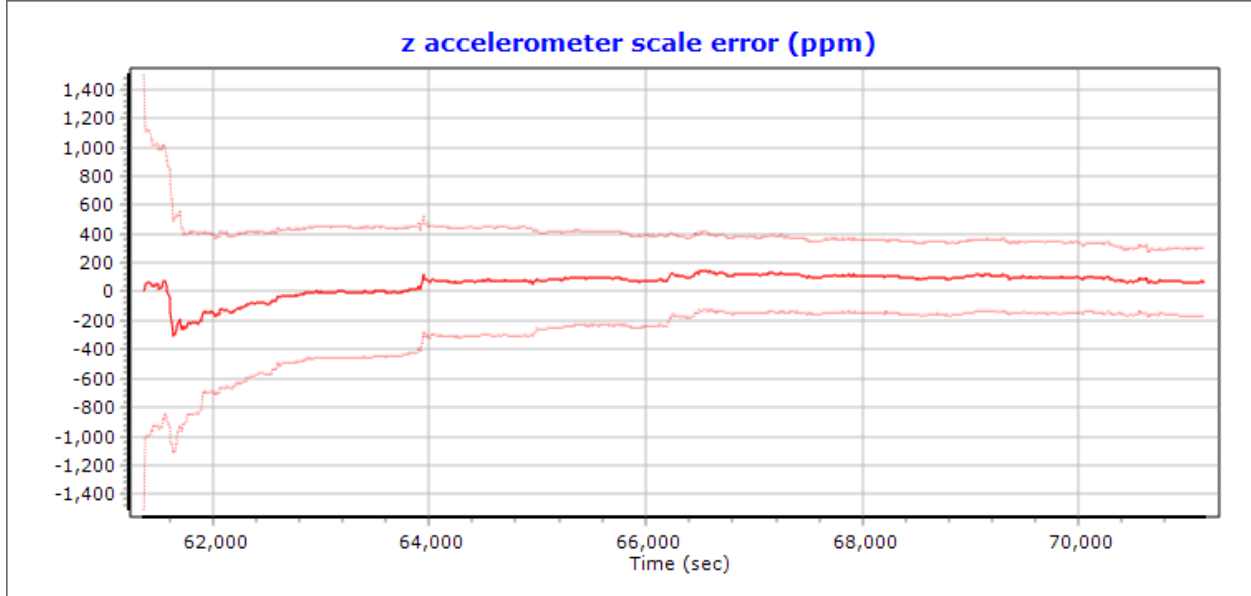
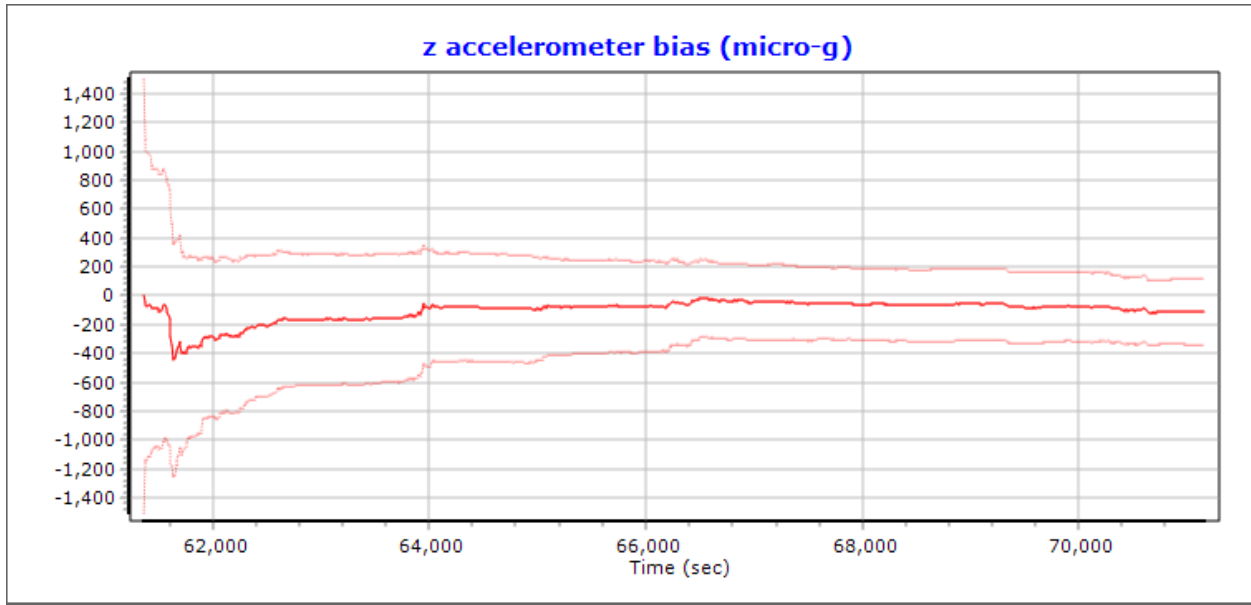
Station	Original (m)			Adjusted (m)		
	Latitude	Longitude	Altitude	Latitude	Longitude	Altitude
SCHA	N32°46'46.11668"	W79°55'31.31750"	-14.623	N32°46'46.11615"	W79°55'31.31687"	-14.615
SCWT	N32°54'12.37703"	W80°40'06.29559"	-3.409	N32°54'12.37649"	W80°40'06.29577"	-3.371
SCSR	N33°55'22.03580"	W80°20'26.60189"	35.145	N33°55'22.03561"	W80°20'26.60211"	35.166
SCHY	N33°56'23.76205"	W78°44'06.90328"	-17.463	N33°56'23.76177"	W78°44'06.90317"	-17.45
SCEB	N32°28'58.77962"	W80°19'55.92572"	-25.407	N32°28'58.77872"	W80°19'55.92517"	-25.386
NCWH	N34°16'49.61579"	W78°42'59.35207"	-3.762	N34°16'49.61562"	W78°42'59.35176"	-3.752
NCSL	N33°58'57.22690"	W78°23'24.32661"	-11.422	N33°58'57.22690"	W78°23'24.32661"	-11.422
NCLU	N34°37'36.36203"	W79°04'39.71601"	14.404	N34°37'36.36171"	W79°04'39.71576"	14.434
NCFF	N33°57'38.28700"	W77°56'18.78527"	-30.596	N33°57'38.28681"	W77°56'18.78517"	-30.59
COLA	N34°04'51.58332"	W81°07'18.03799"	81.574	N34°04'51.58261"	W81°07'18.03803"	81.624

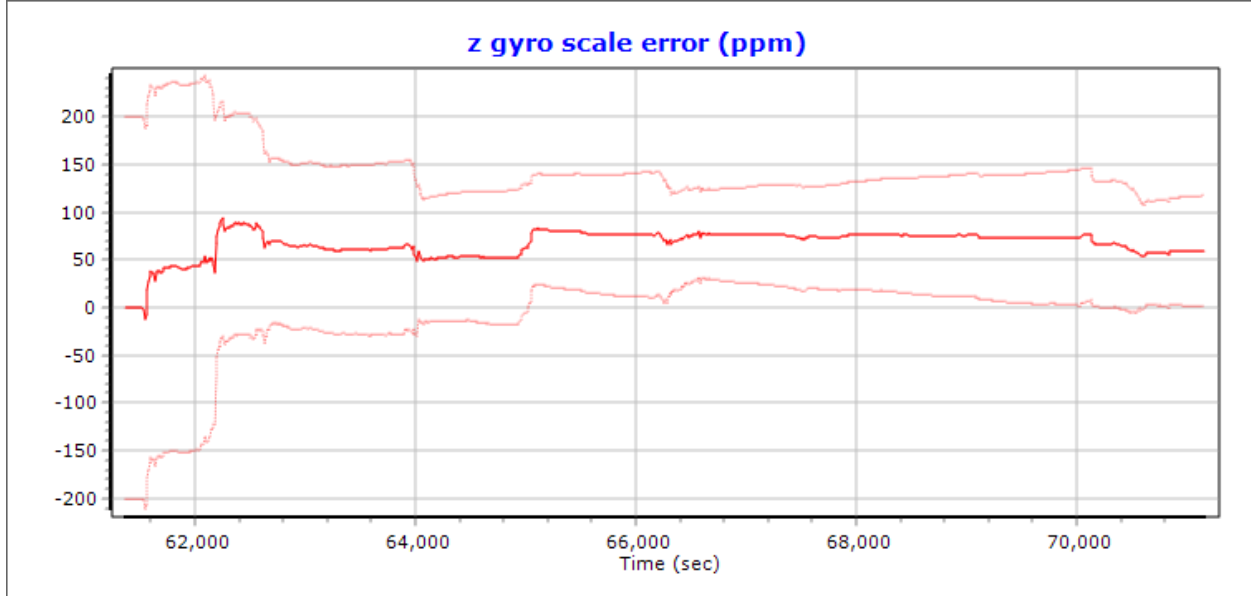
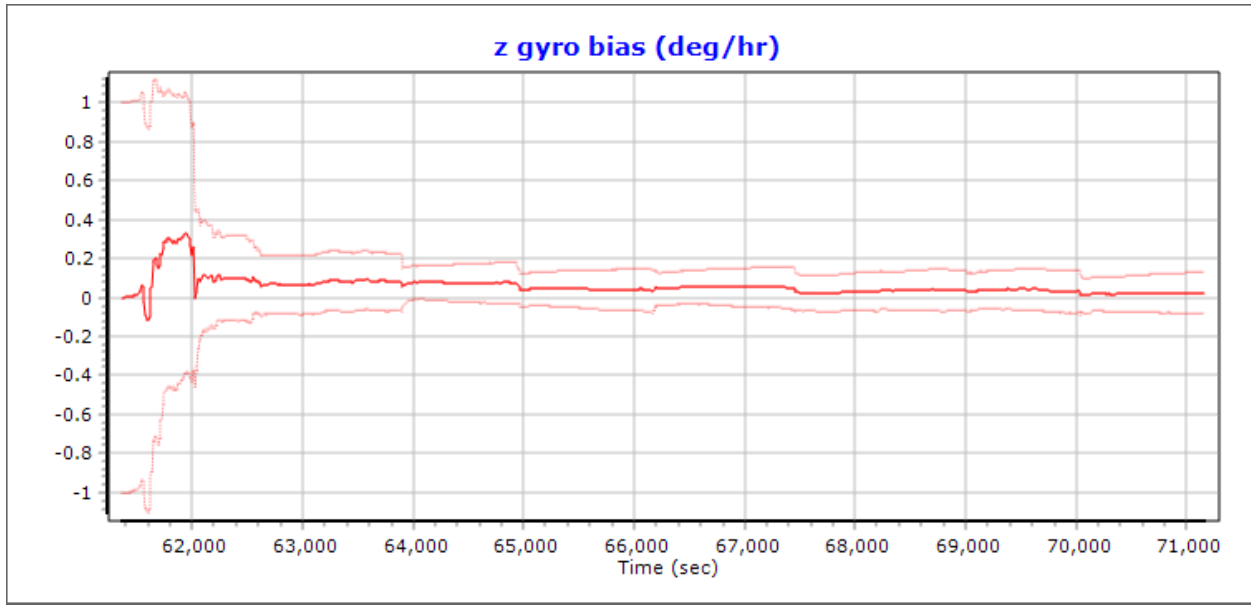


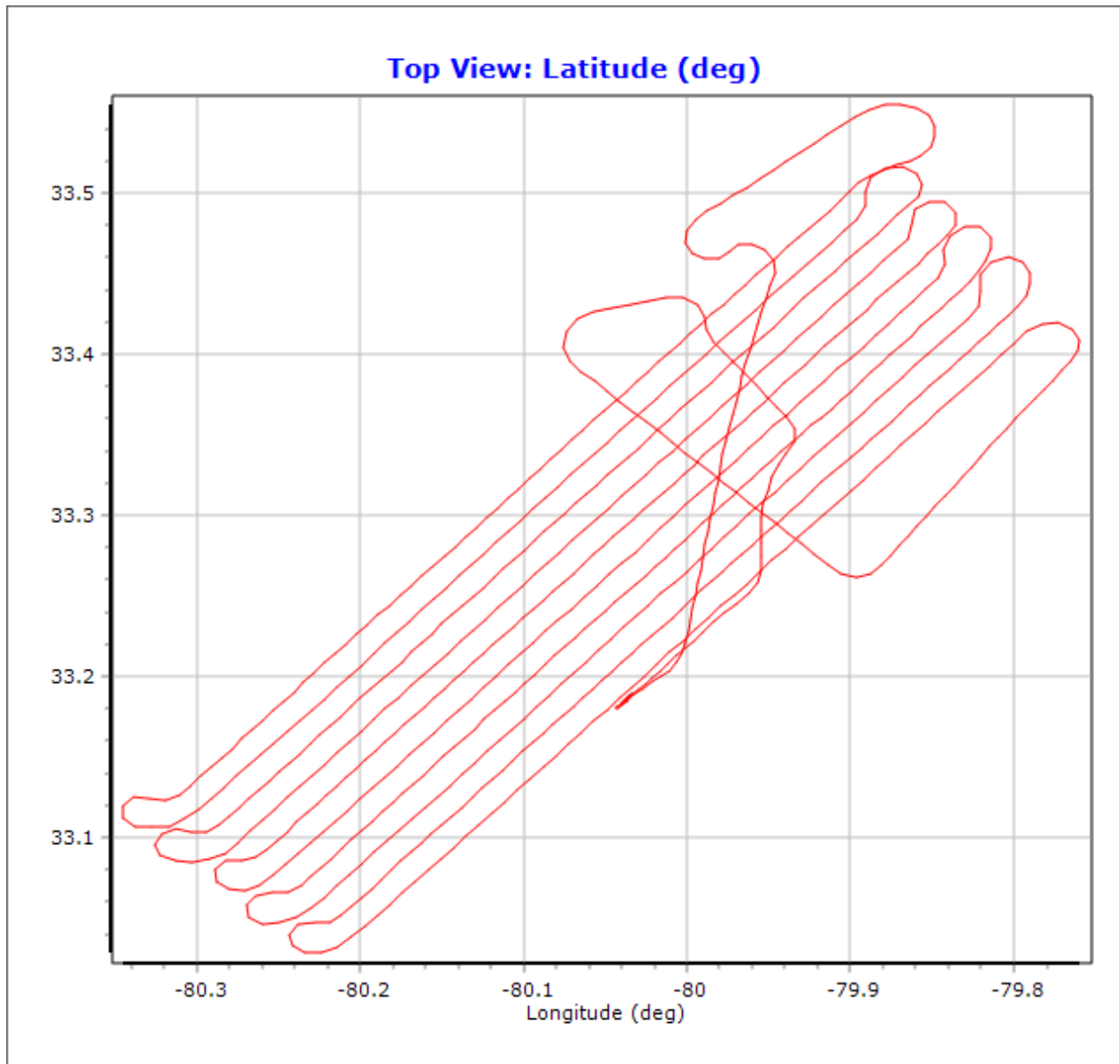


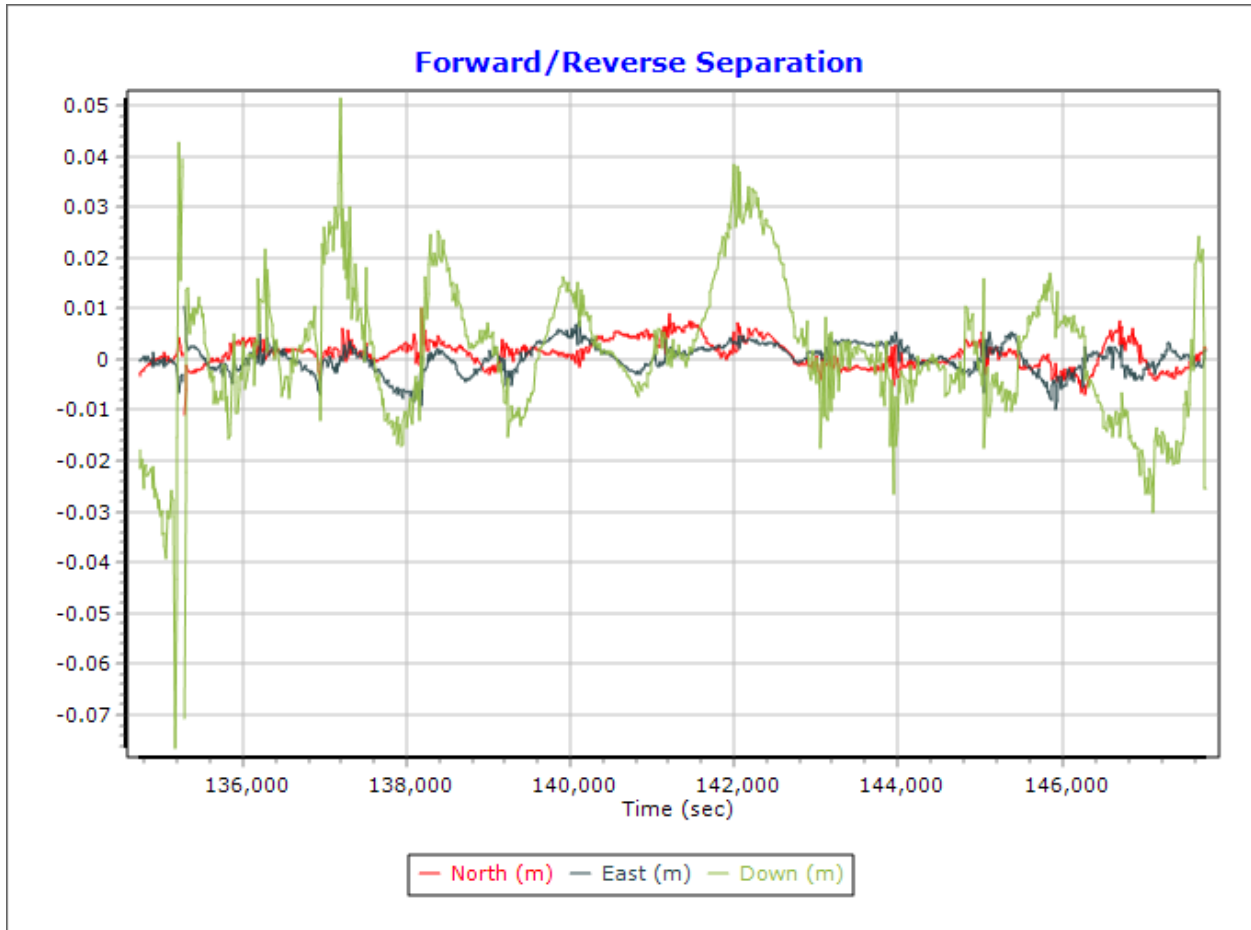


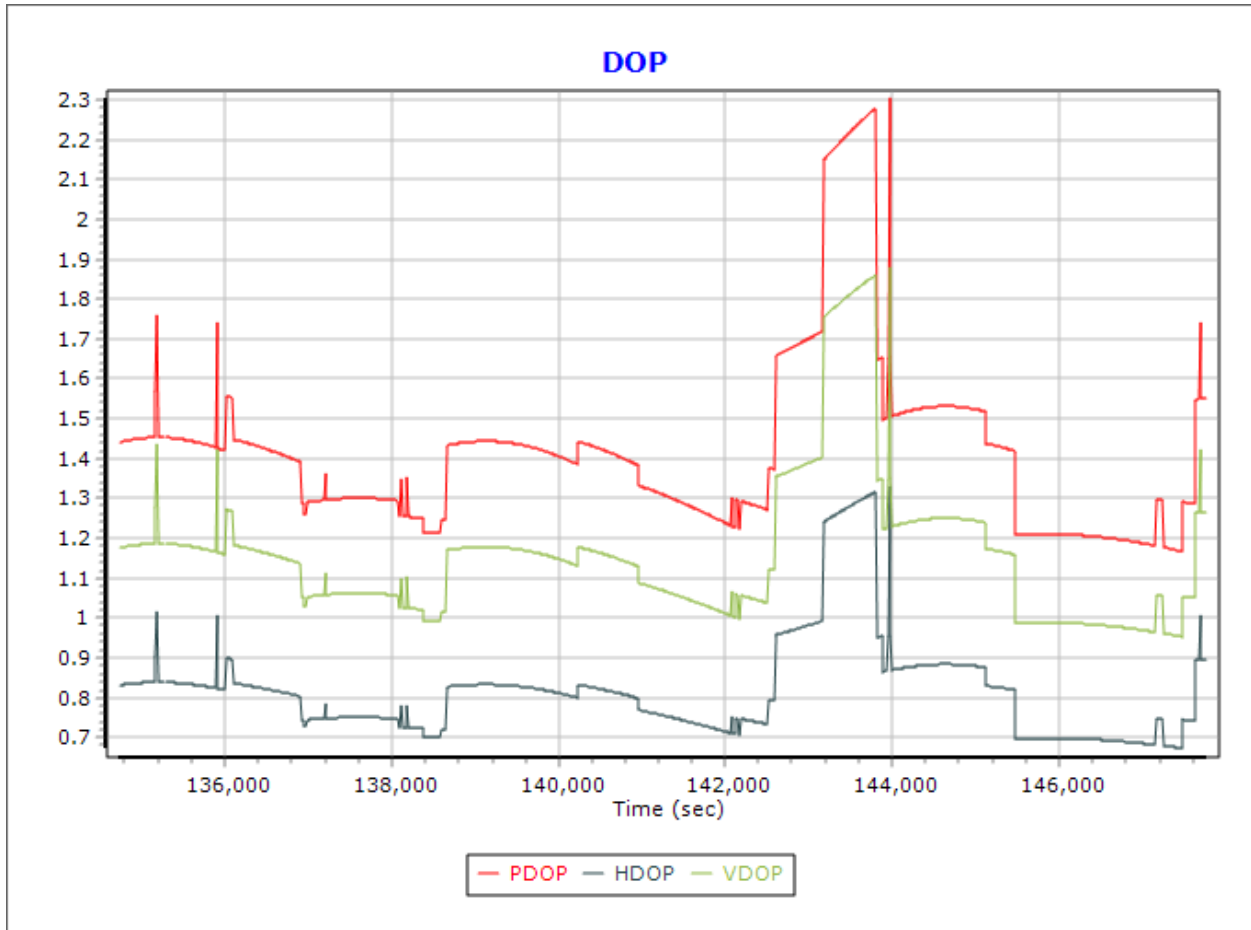


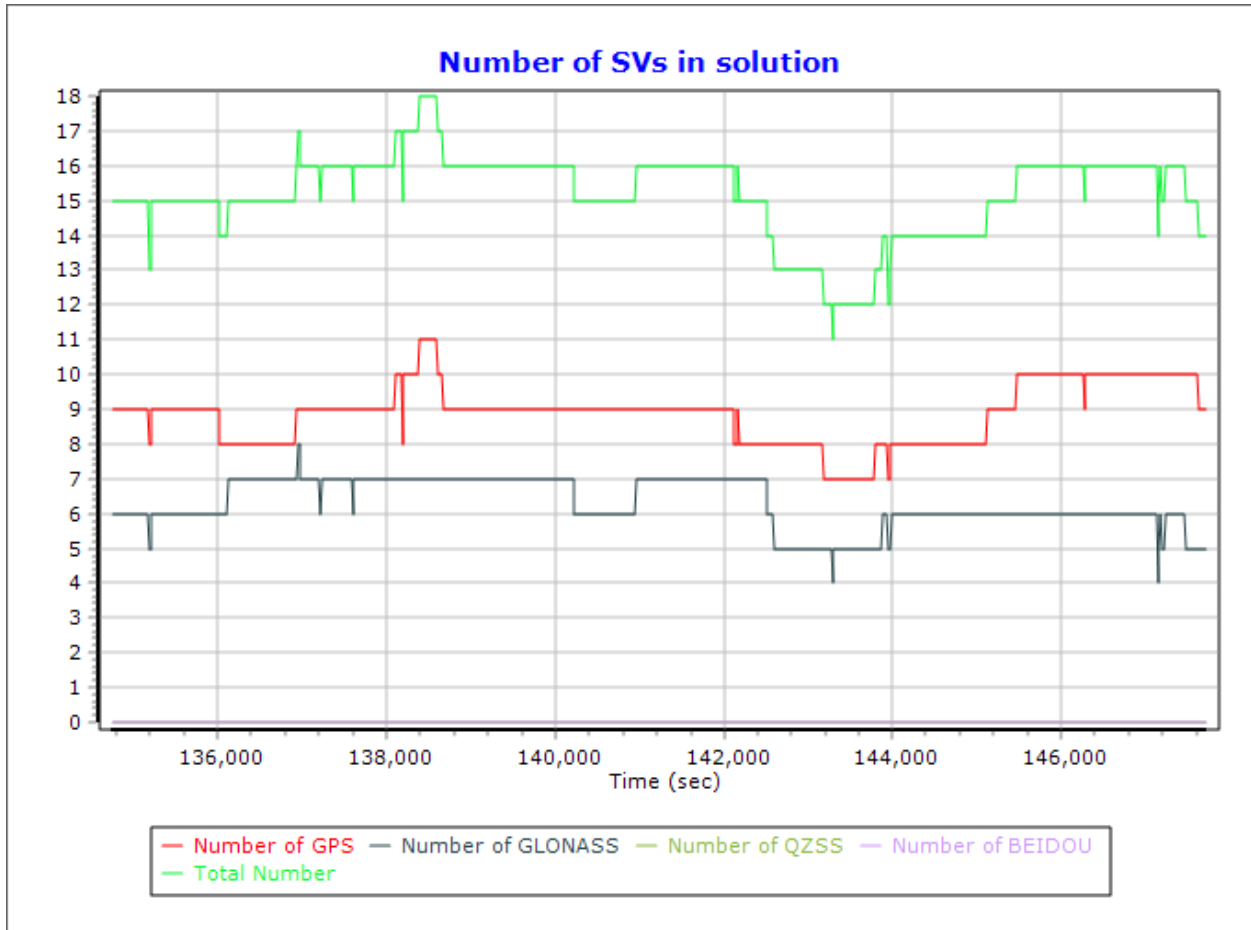












Processing Summary Information

Program: POSpac MMS
Version: 7.2.5934.15637
Project: \\sa\data\riegl\217001\20170227_SC_A\05_INS-GPS_PROC\01_POS\20170227_SC_A.pospac

Solution Type: In-Fusion SmartBase

Fixed: 13002 (99.99%)
Float: 0 (0.0%)
No Solution: 1 (0.01%)

Number of Epochs:

Total in .raw file: 13047
No processed position: 45

Fwd/Rev Separation RMS Values (m):

East: 0.003
North: 0.003
Height: 0.014

Fwd/Rev Sep. RMS for 25%-75% weighting (m): 6523 occurrences

East: 0.003
North: 0.003
Height: 0.013

Position Standard Deviation Percentages: 0%

0.00 - 0.10 m: 100.0 %
0.10 - 0.30 m: 0.0 %
0.30 - 1.00 m: 0.0 %
1.00 - 5.00 m: 0.0 %
5.00 m + over: 0.0 %

Percentages of epochs with DD_DOP over 10.00:

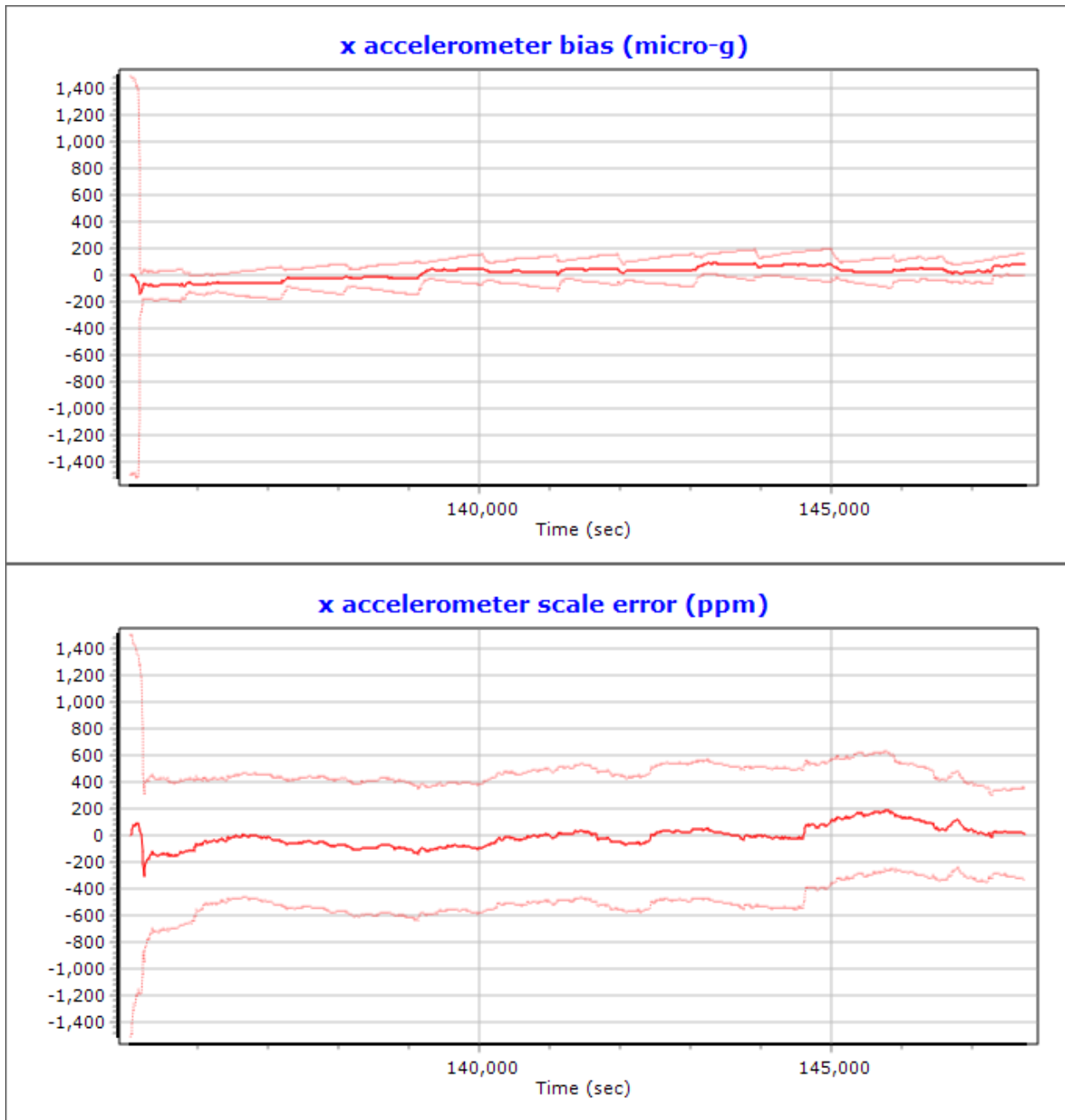
DOP over Tol: 1.42 %

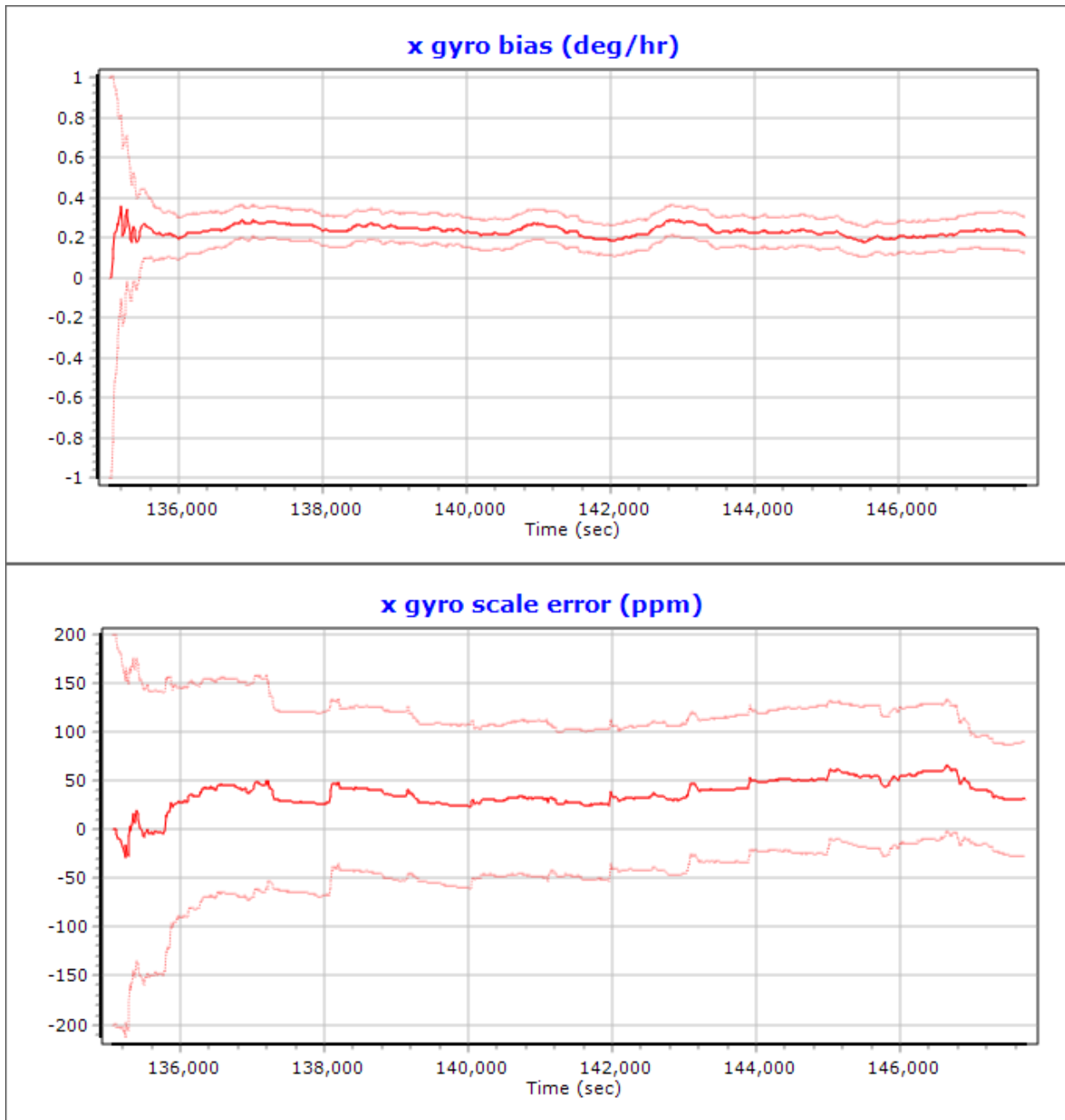
Baseline Distances (km):

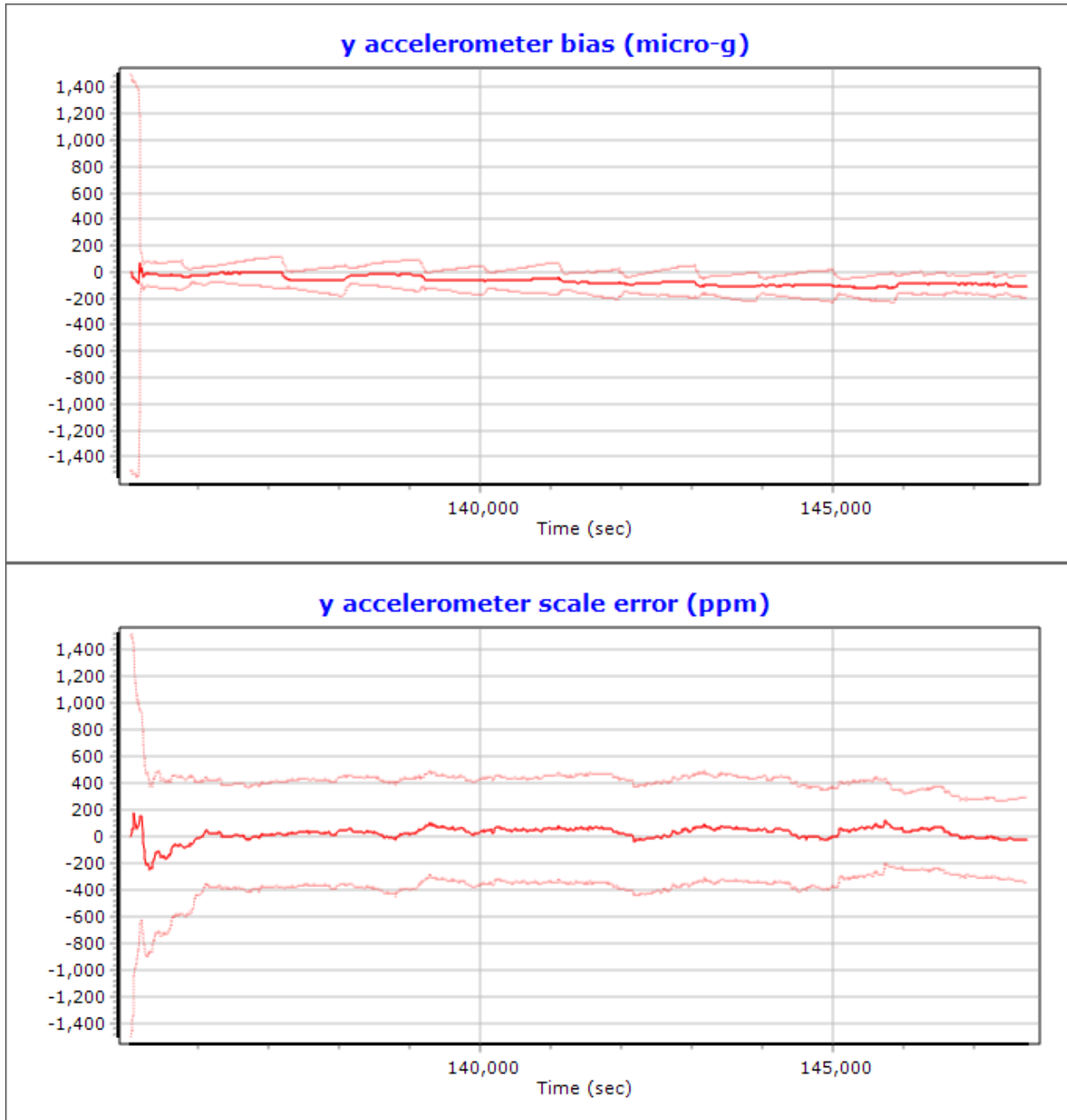
Maximum: 34.54
Minimum: 0.41
Average: 16.43
First Epoch: 10.251
Last Epoch: 10.073

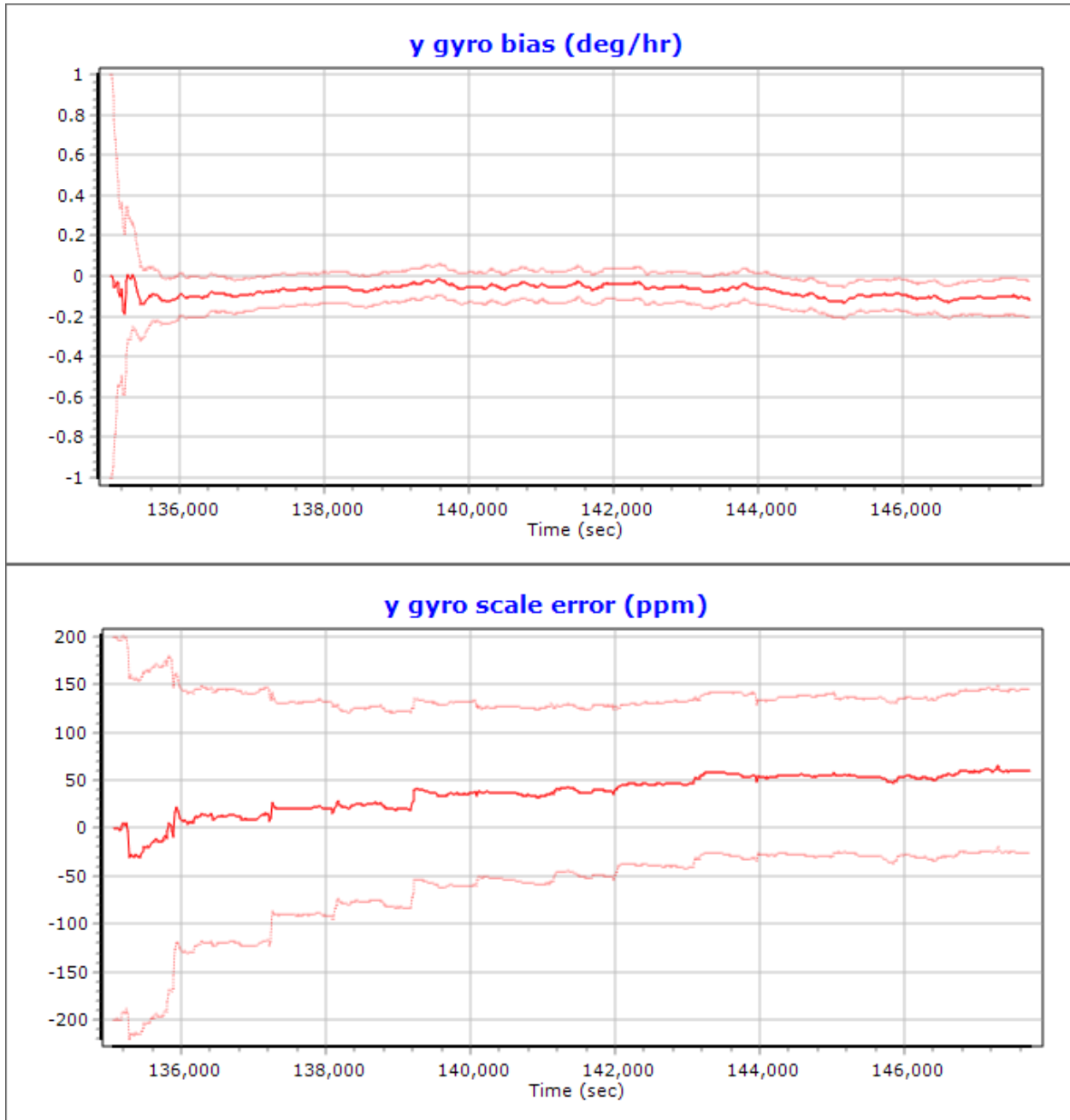
CORS Base Stations

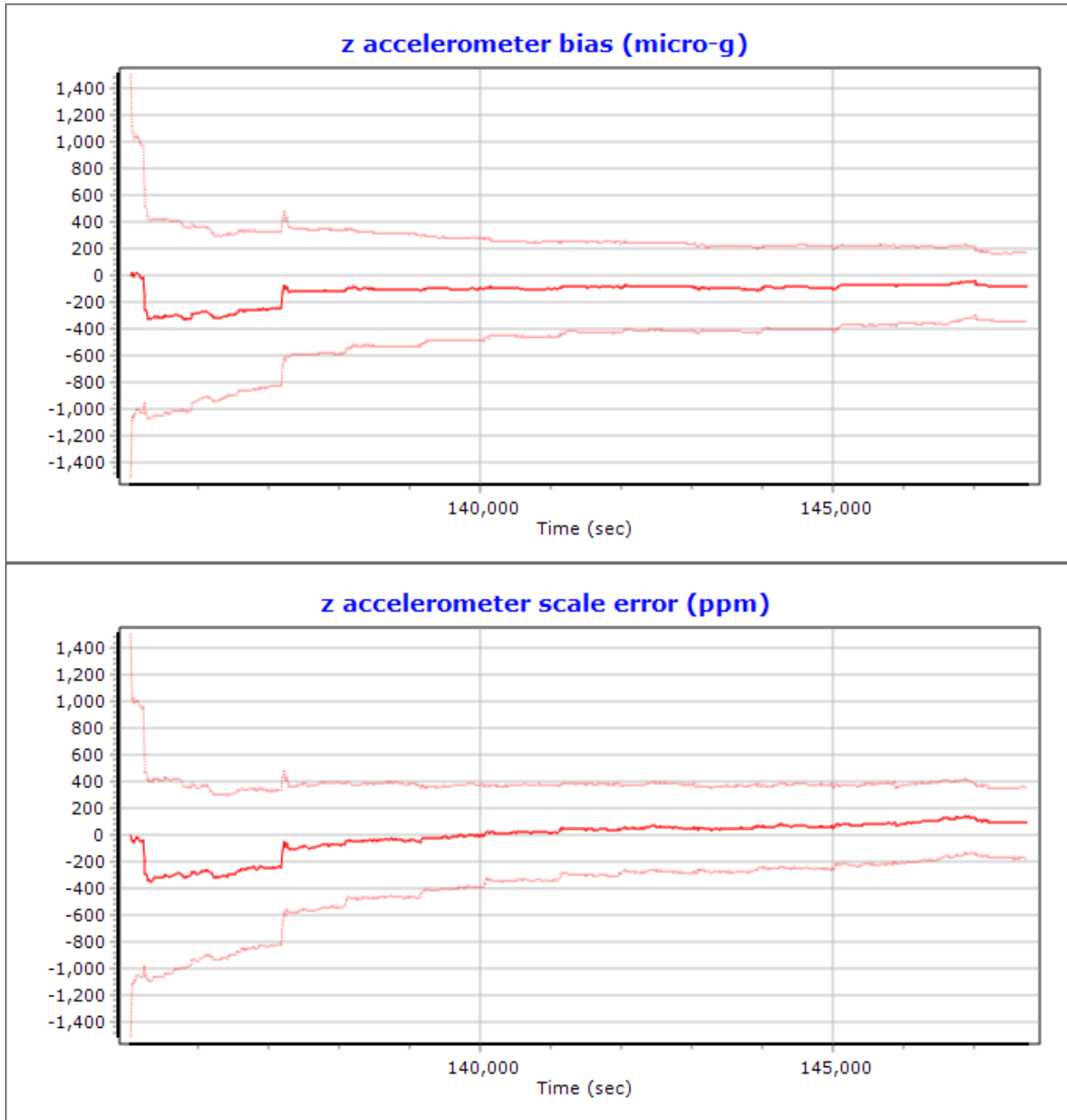
Station	Original (m)			Adjusted (m)		
	Latitude	Longitude	Altitude	Latitude	Longitude	Altitude
SCHA	N32°46'46.14081"	W79°55'31.33855"	-16.069	N32°46'46.14081"	W79°55'31.33855"	-16.069
SCWT	N32°54'12.37703"	W80°40'06.29559"	-3.409	N32°54'12.40119"	W80°40'06.31834"	-4.817
SCSR	N33°55'22.03580"	W80°20'26.60189"	35.145	N33°55'22.06120"	W80°20'26.62444"	33.734
SCHY	N33°56'23.76205"	W78°44'06.90328"	-17.463	N33°56'23.78758"	W78°44'06.92376"	-18.894
SCEB	N32°28'58.77962"	W80°19'55.92572"	-25.407	N32°28'58.80309"	W80°19'55.94729"	-26.845
COLA	N34°04'51.58332"	W81°07'18.03800"	81.574	N34°04'51.60822"	W81°07'18.06161"	80.2

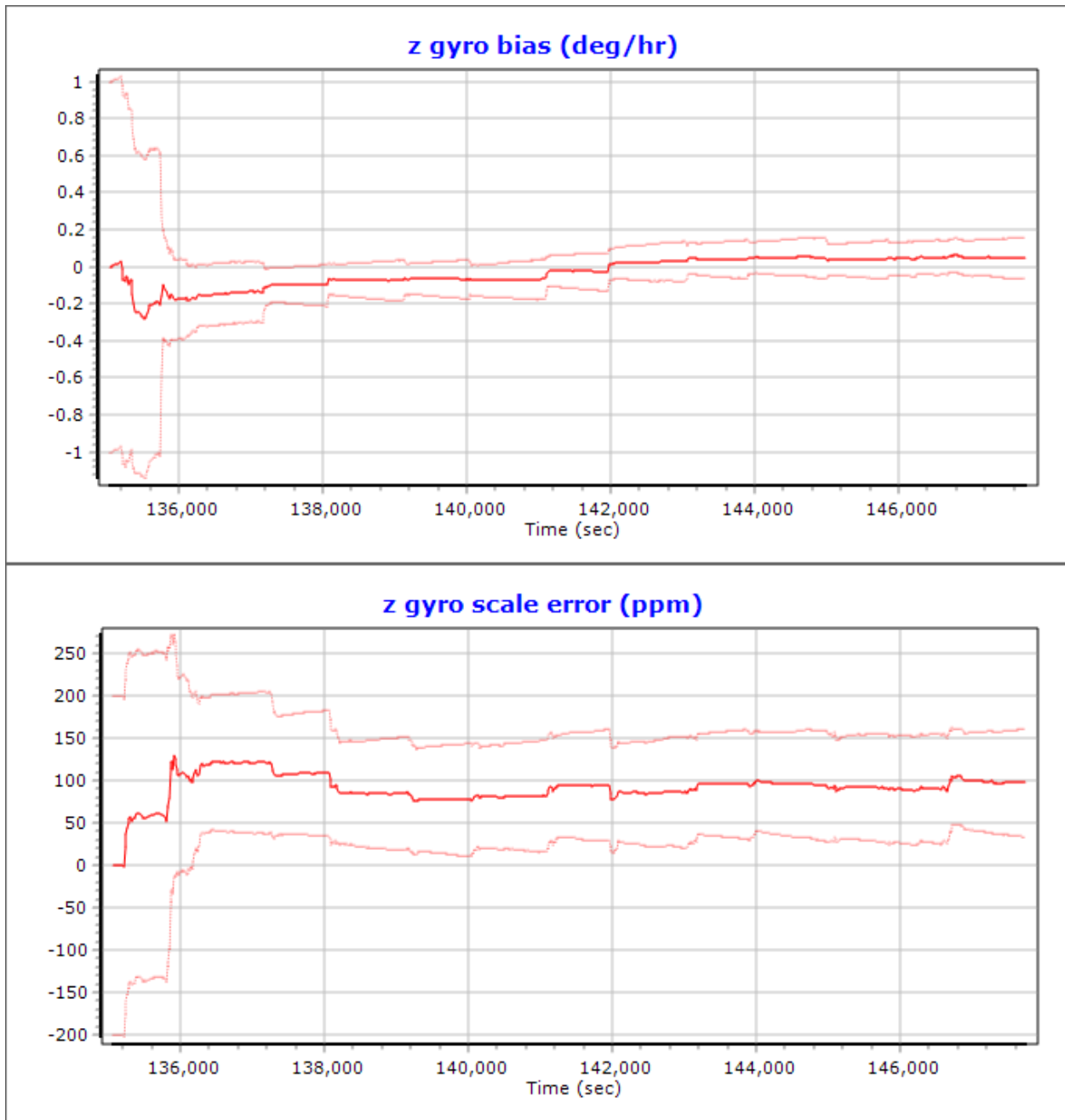


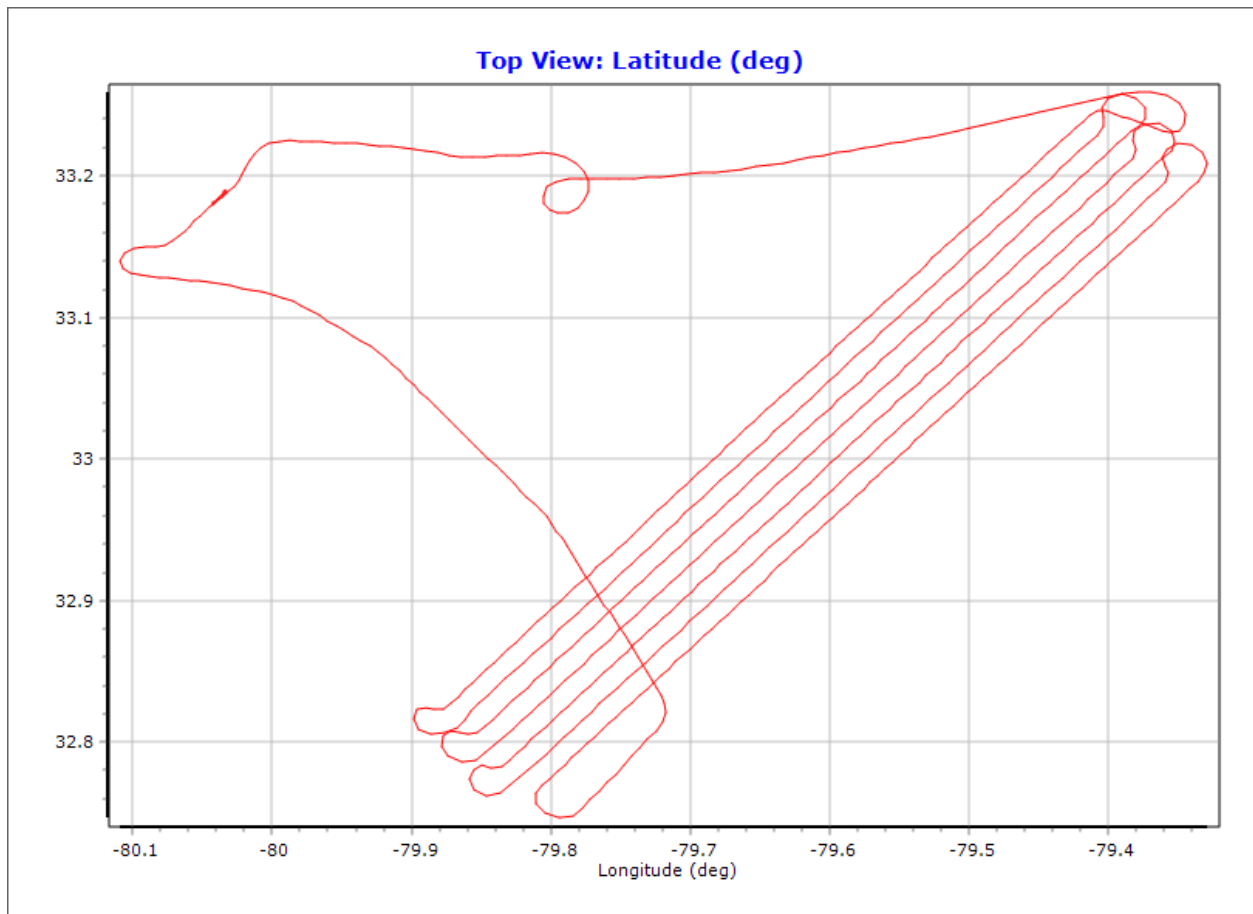


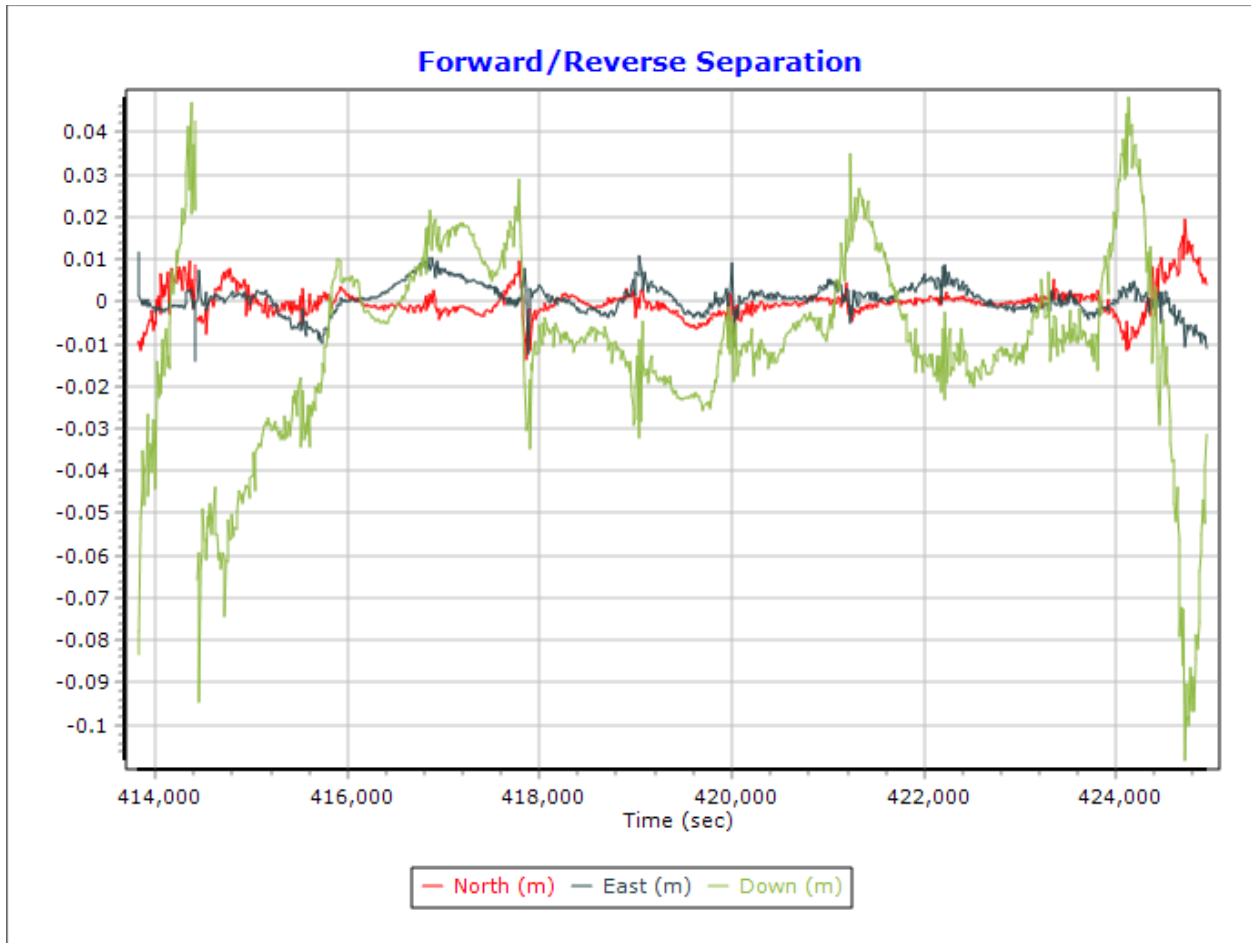


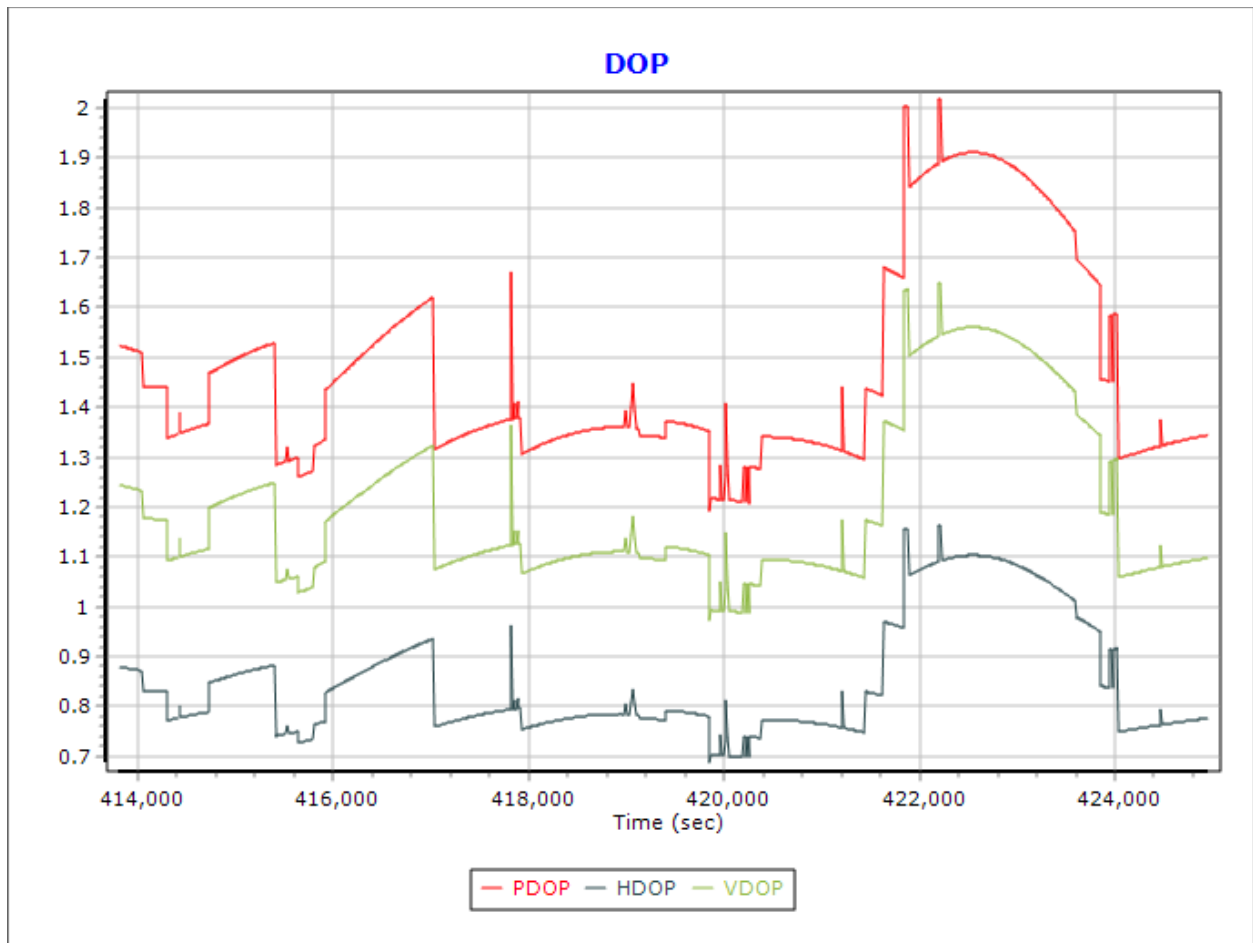


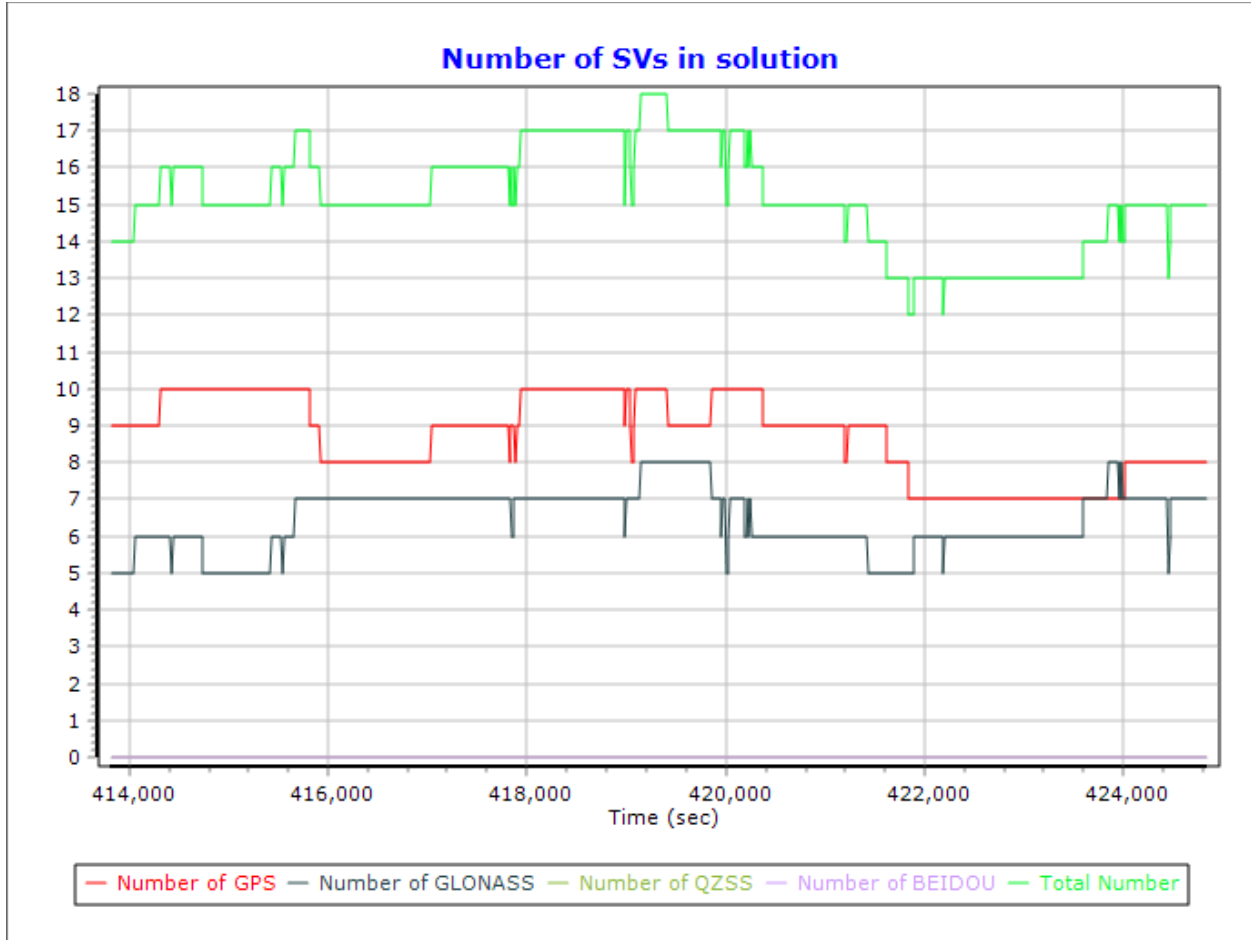












Processing Summary Information

Program: POSpac MMS
 Version: 7.2.5934.15637
 Project: \\sa\data\riegl\217001\20170302_SC_A\05_INS-GPS_PROC\01_POS\20170302_SC_A.pospac

Solution Type: In-Fusion SmartBase

Fixed: 11057 (99.99%)
 Float: 0 (0.0%)
 No Solution: 1 (0.01%)

Number of Epochs:

Total in .raw file: 11156
 No processed position: 99

Fwd/Rev Separation RMS Values (m):

East: 0.004
 North: 0.004
 Height: 0.025

Fwd/Rev Sep. RMS for 25%-75% weighting (m): 5577 occurrences

East: 0.004
North: 0.002
Height: 0.014

Position Standard Deviation Percentages:

0.00 - 0.10 m: 100.0 %
0.10 - 0.30 m: 0.0 %
0.30 - 1.00 m: 0.0 %
1.00 - 5.00 m: 0.0 %
5.00 m + over: 0.0 %

Percentages of epochs with DD_DOP over 10.00: 0%

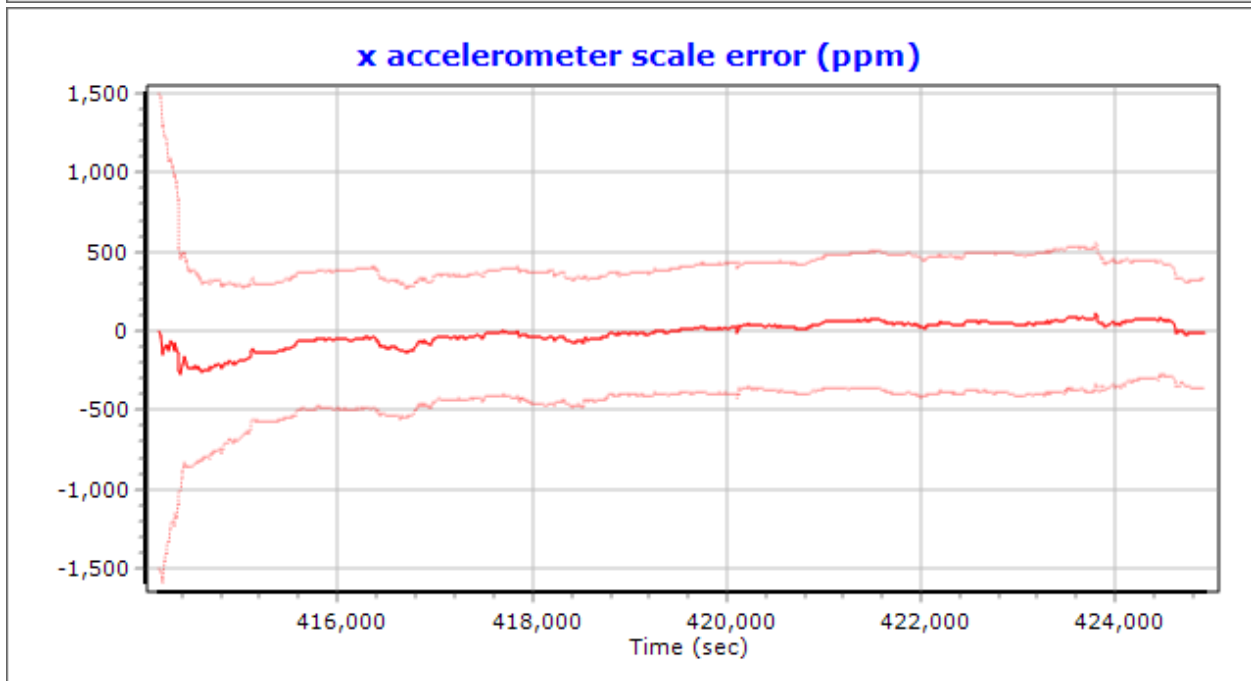
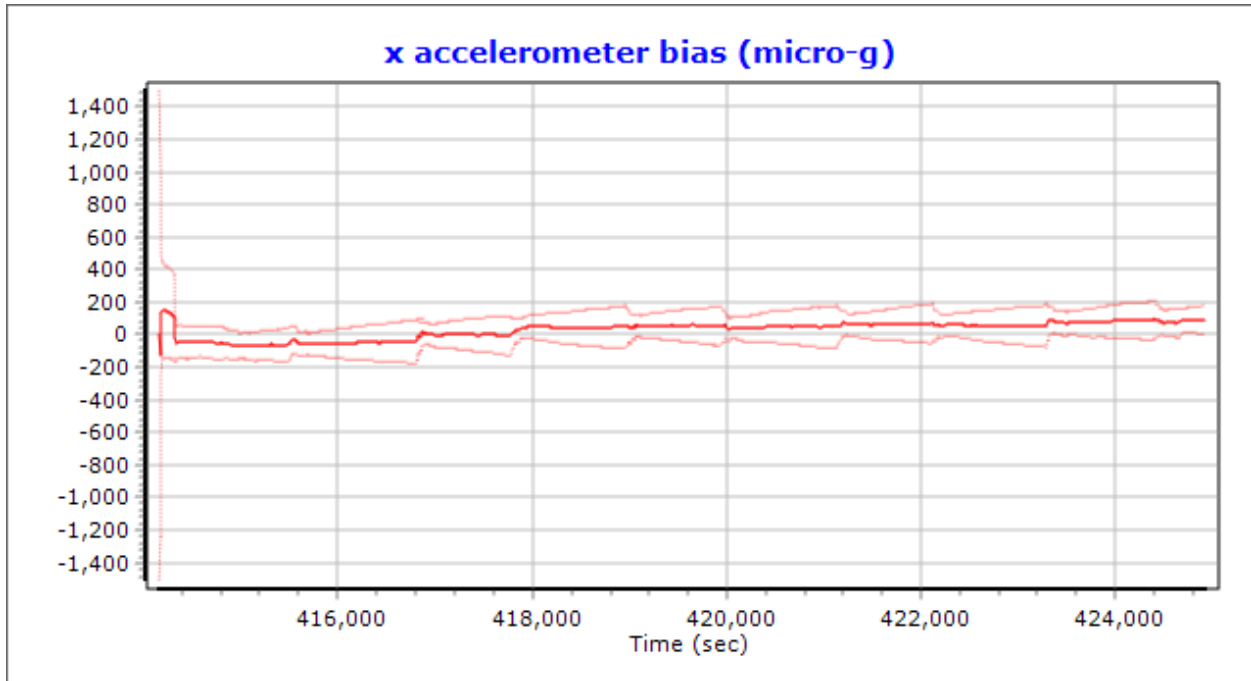
DOP over Tol: 1.47 %

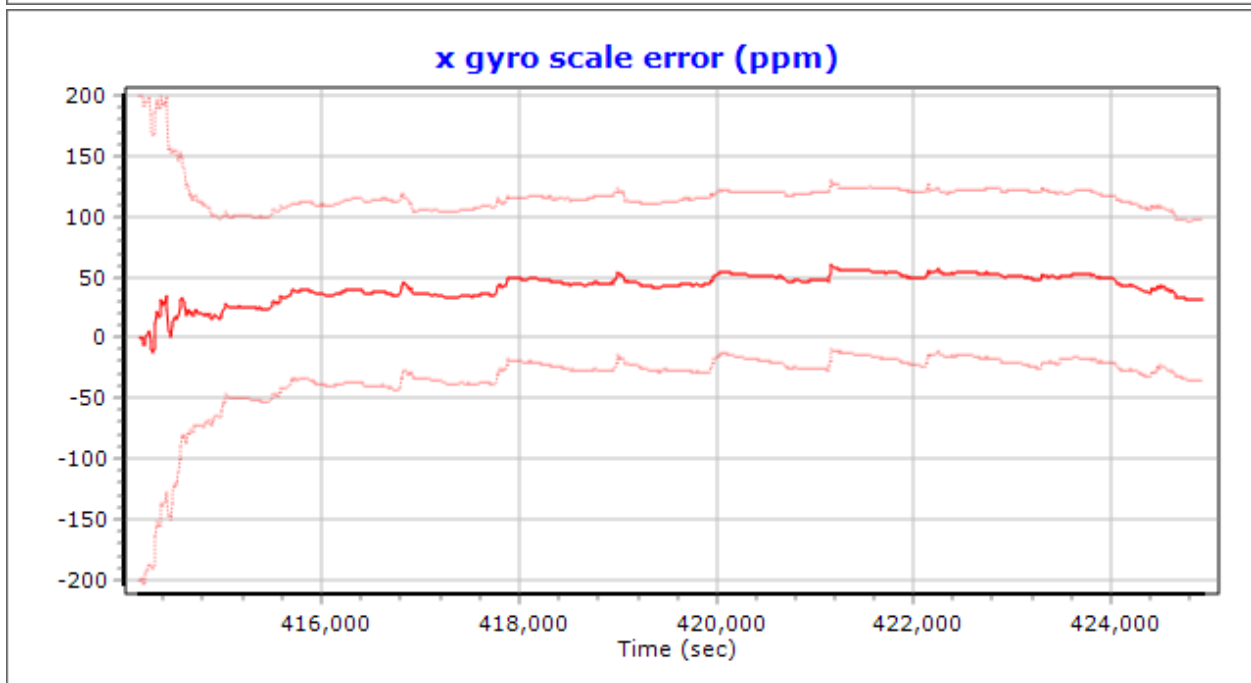
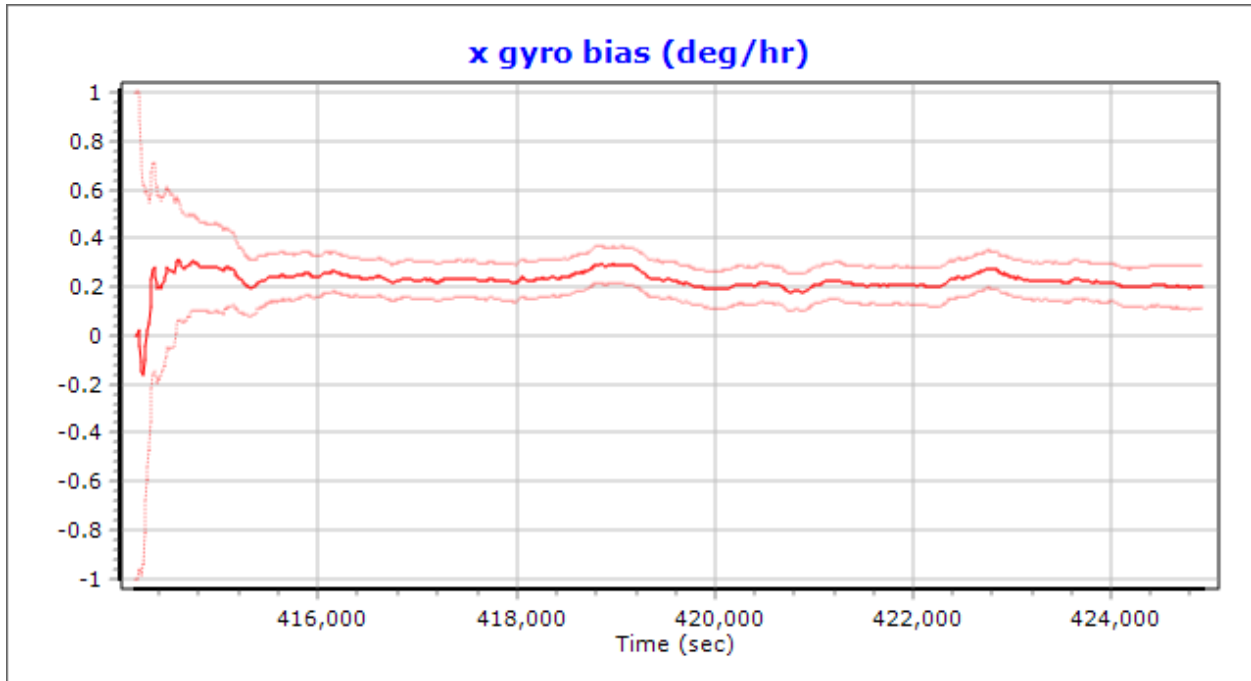
Baseline Distances (km):

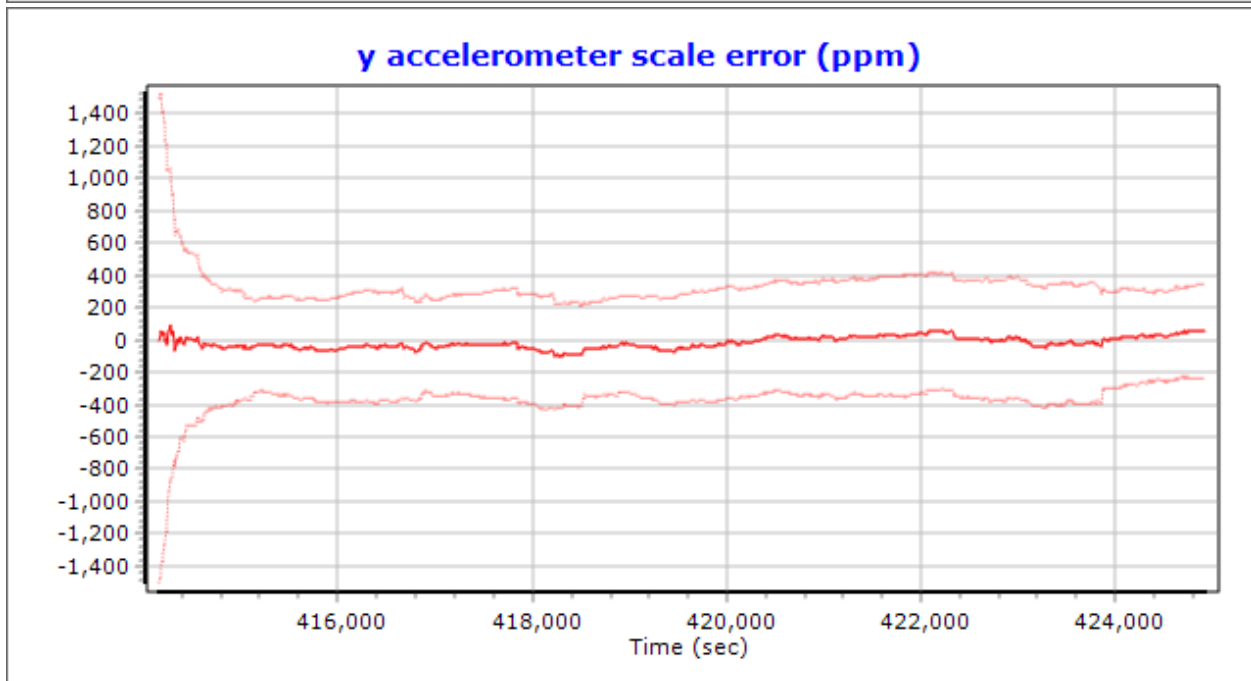
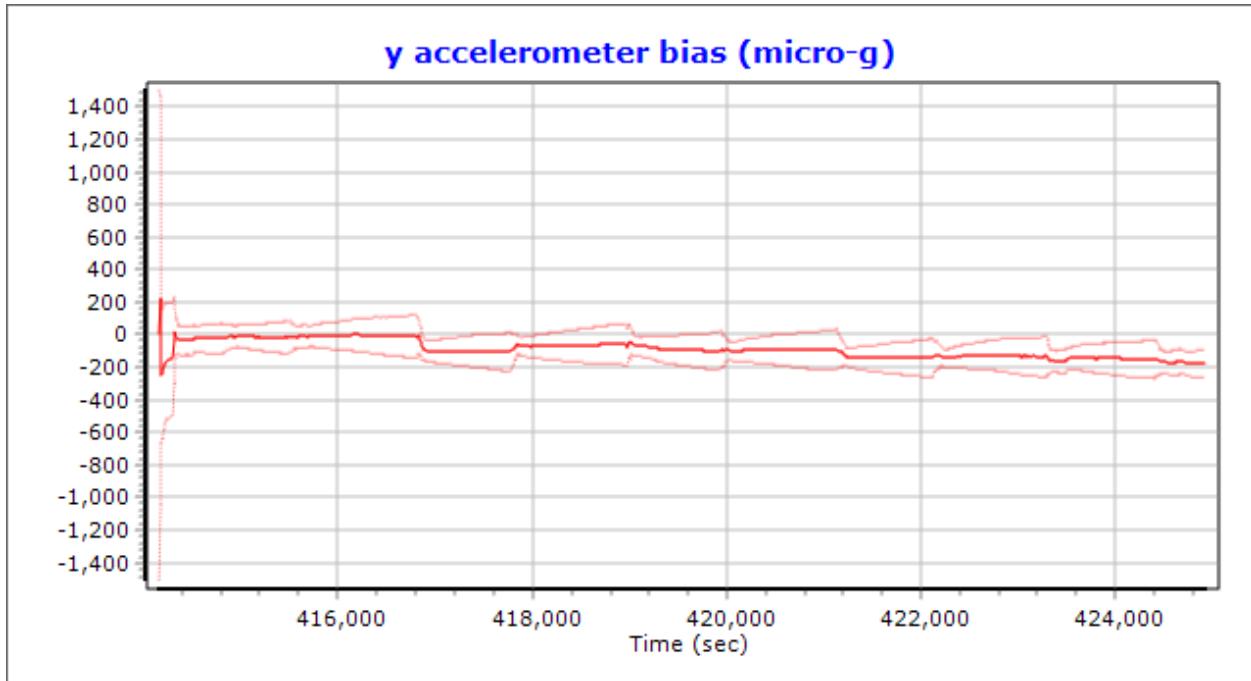
Maximum: 40.79
Minimum: 3.77
Average: 22.96
First Epoch: 36.092
Last Epoch: 36.067

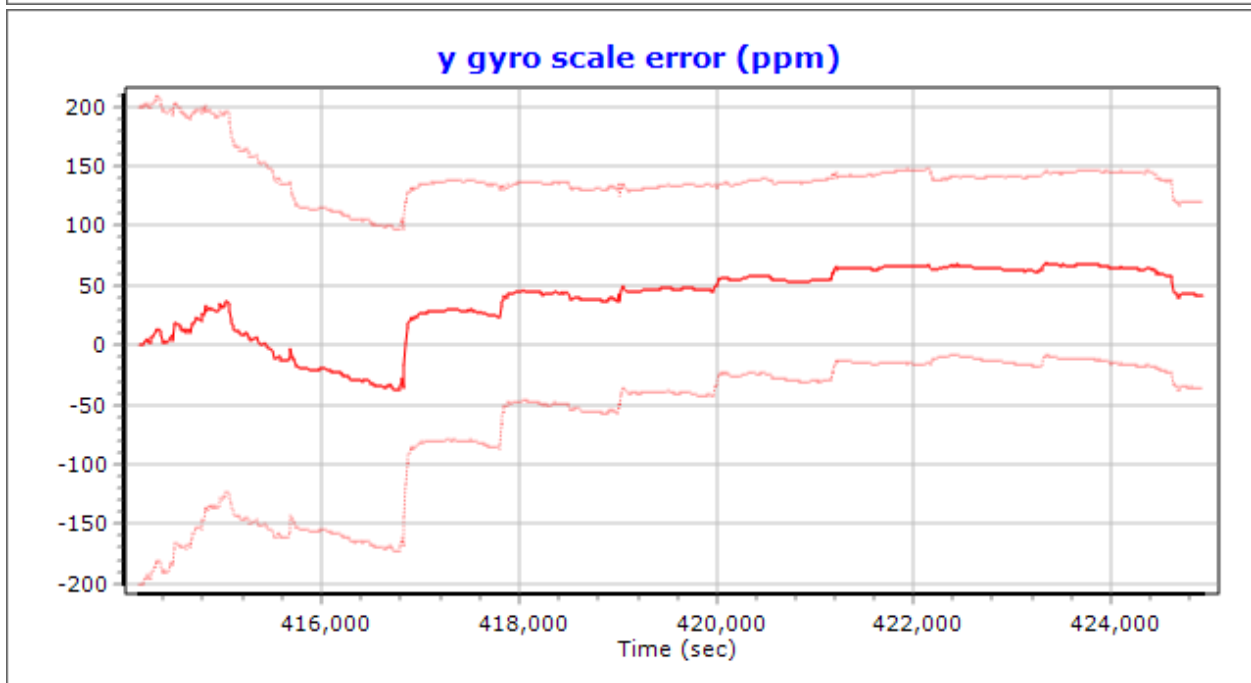
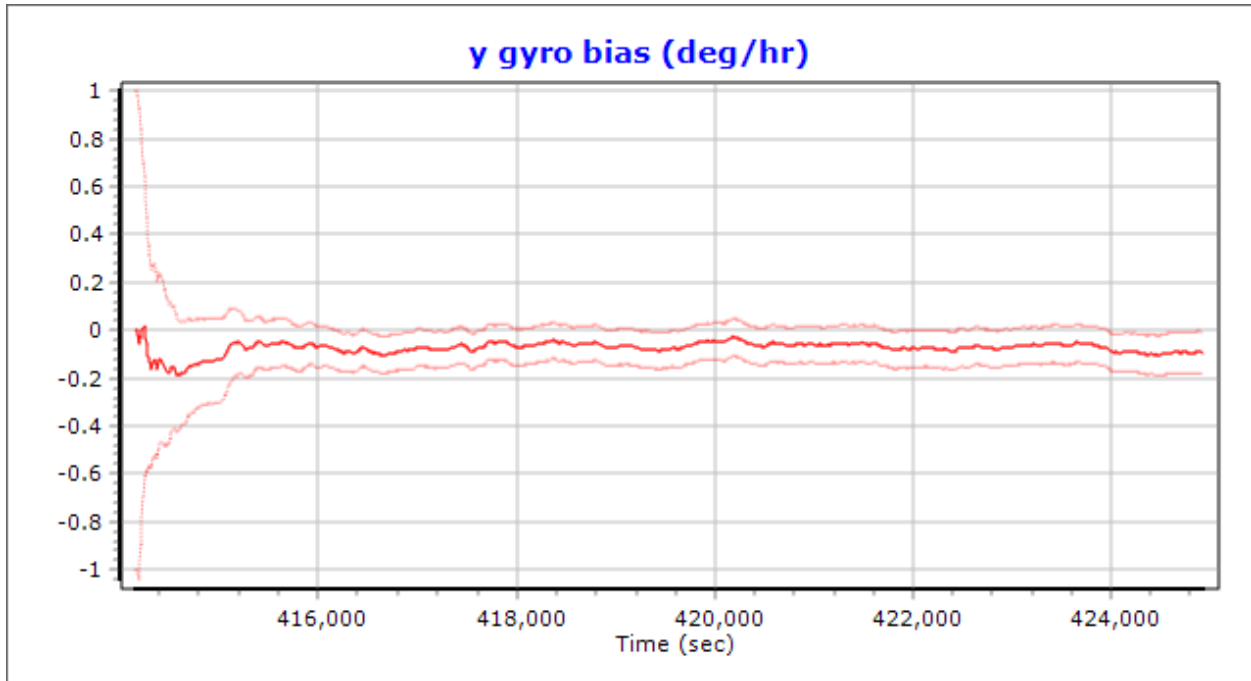
CORS Base Stations

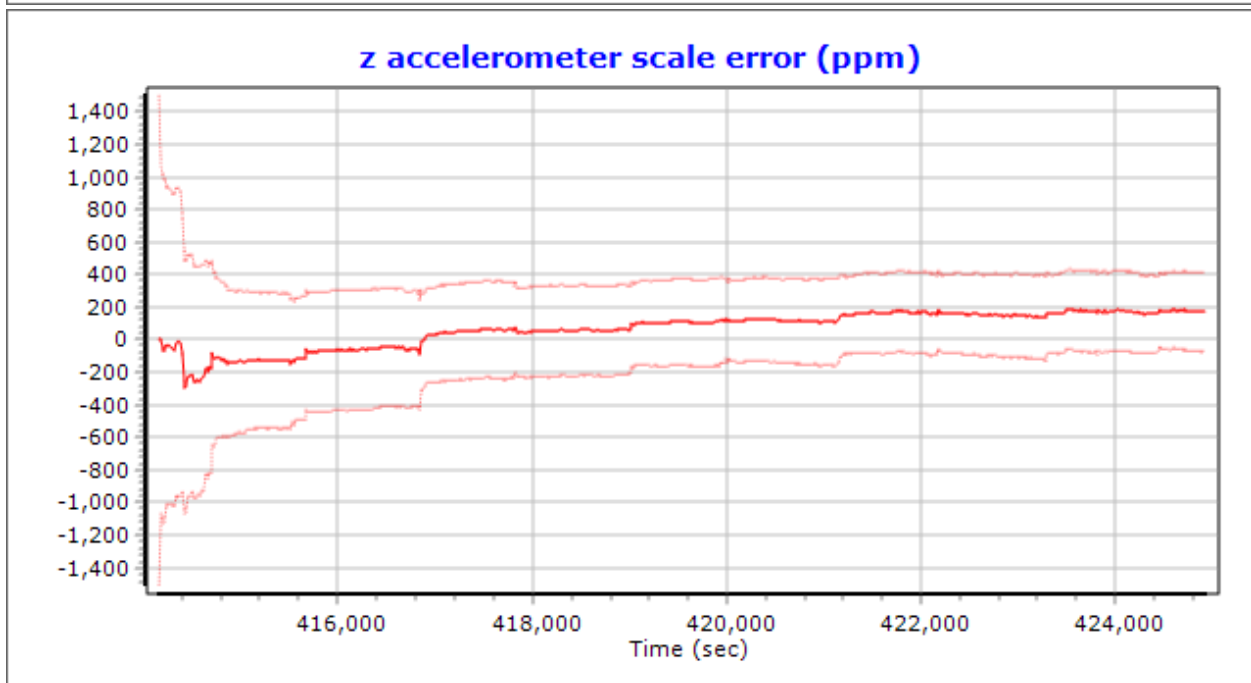
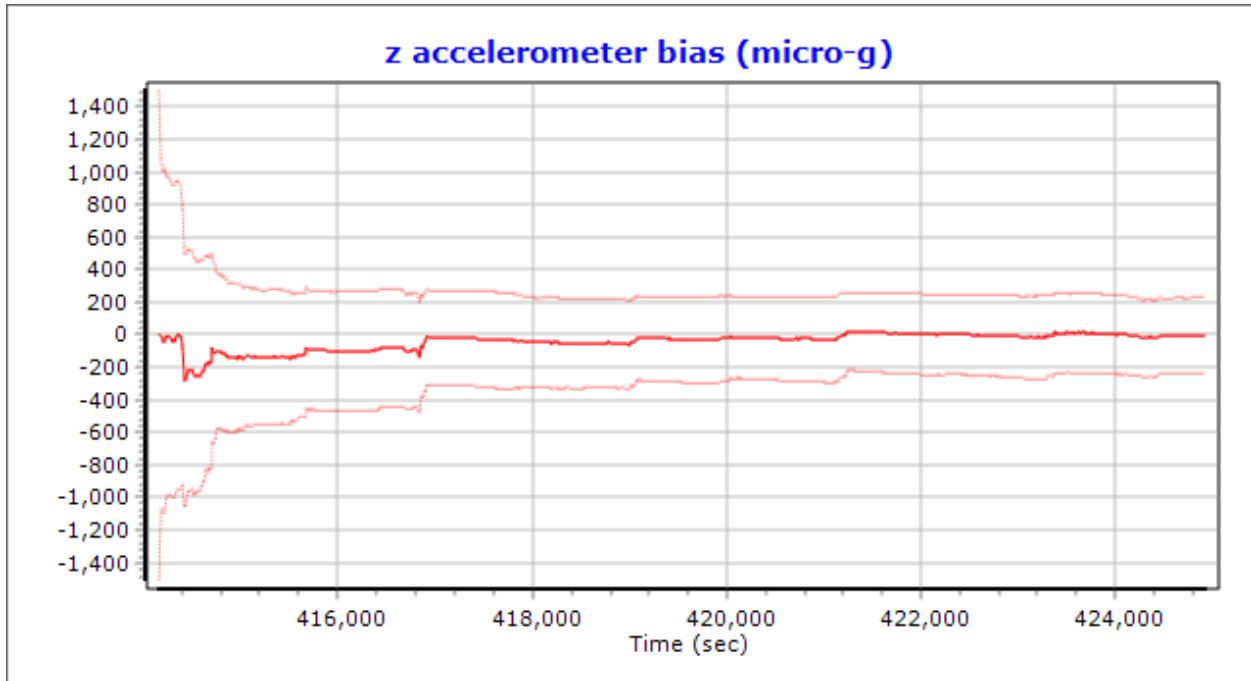
Station	Original (m)			Adjusted (m)		
	Latitude	Longitude	Altitude	Latitude	Longitude	Altitude
NCWH	N34°16'49.61579"	W78°42'59.35208"	-3.762	N34°16'49.61595"	W78°42'59.35161"	-3.772
NCSL	N33°58'57.22689"	W78°23'24.32661"	-11.422	N33°58'57.22716"	W78°23'24.32648"	-11.444
NCLU	N34°37'36.36203"	W79°04'39.71601"	14.404	N34°37'36.36185"	W79°04'39.71595"	14.418
COLA	N34°04'51.58333"	W81°07'18.03800"	81.573	N34°04'51.58296"	W81°07'18.03824"	81.605
SCWT	N32°54'12.37703"	W80°40'06.29559"	-3.41	N32°54'12.37680"	W80°40'06.29575"	-3.391
SCSR	N33°55'22.03581"	W80°20'26.60190"	35.145	N33°55'22.03585"	W80°20'26.60206"	35.14
SCHY	N33°56'23.76206"	W78°44'06.90329"	-17.464	N33°56'23.76208"	W78°44'06.90295"	-17.472
SCHA	N32°46'46.11652"	W79°55'31.31707"	-14.629	N32°46'46.11652"	W79°55'31.31707"	-14.629
SCEB	N32°28'58.77963"	W80°19'55.92573"	-25.408	N32°28'58.77910"	W80°19'55.92549"	-25.398

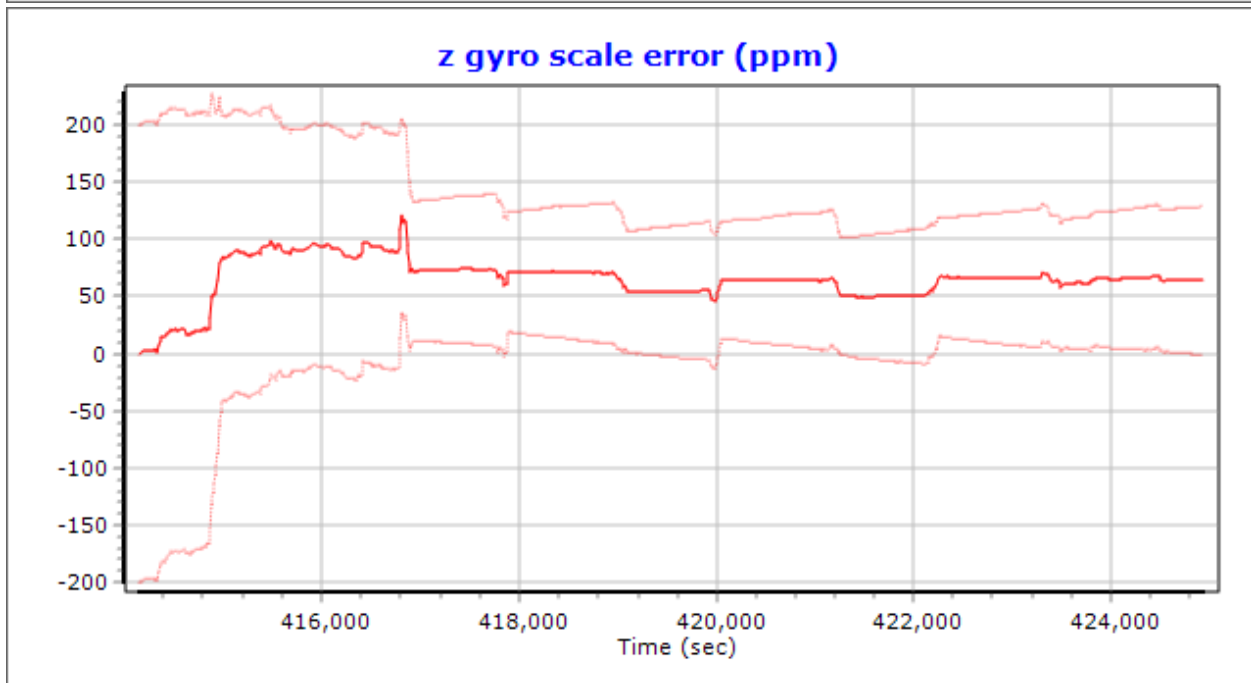
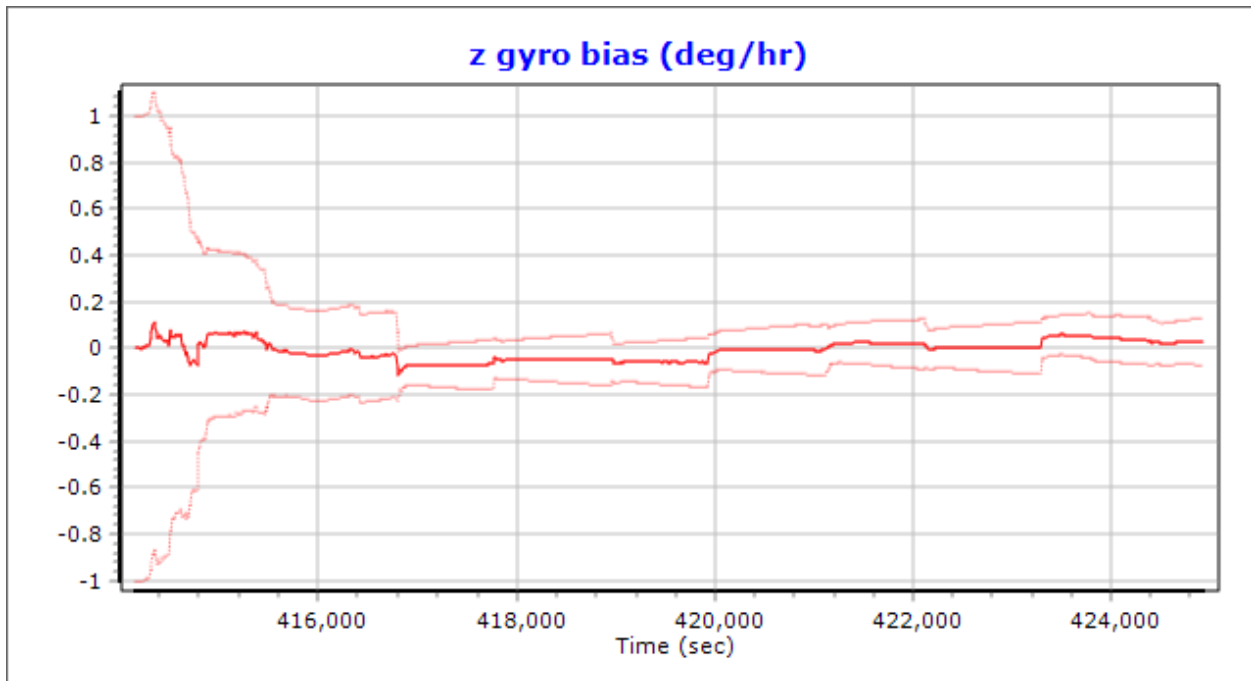


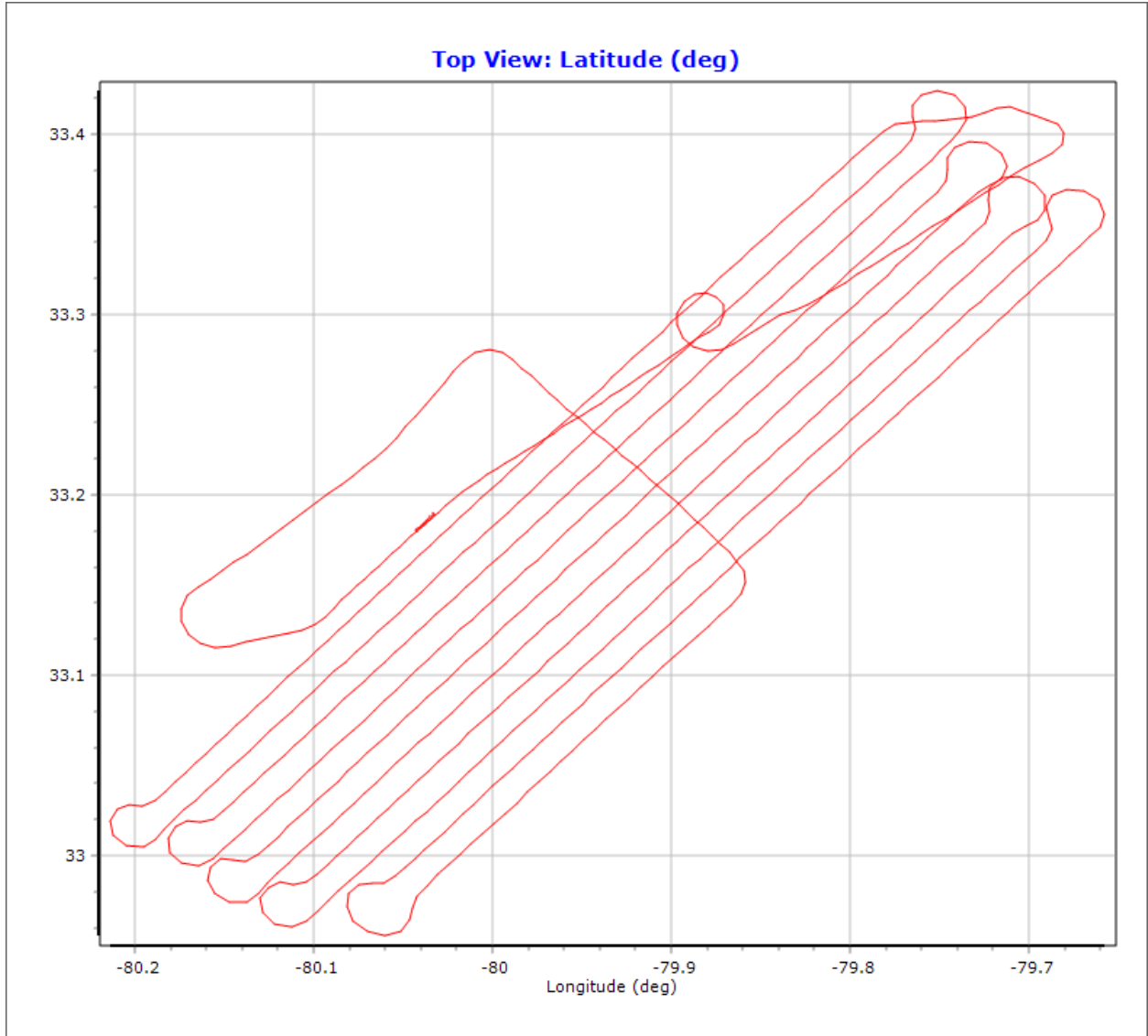


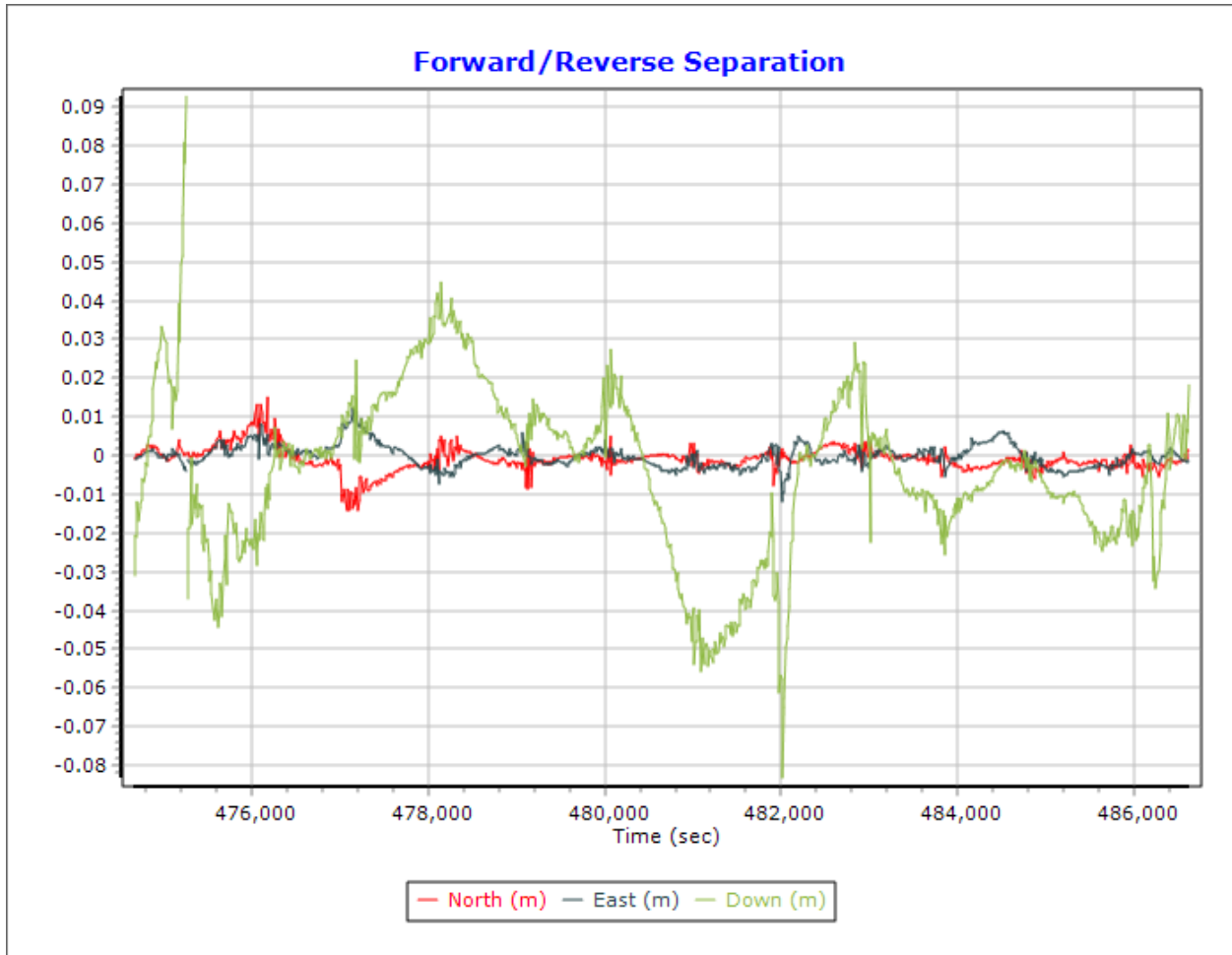


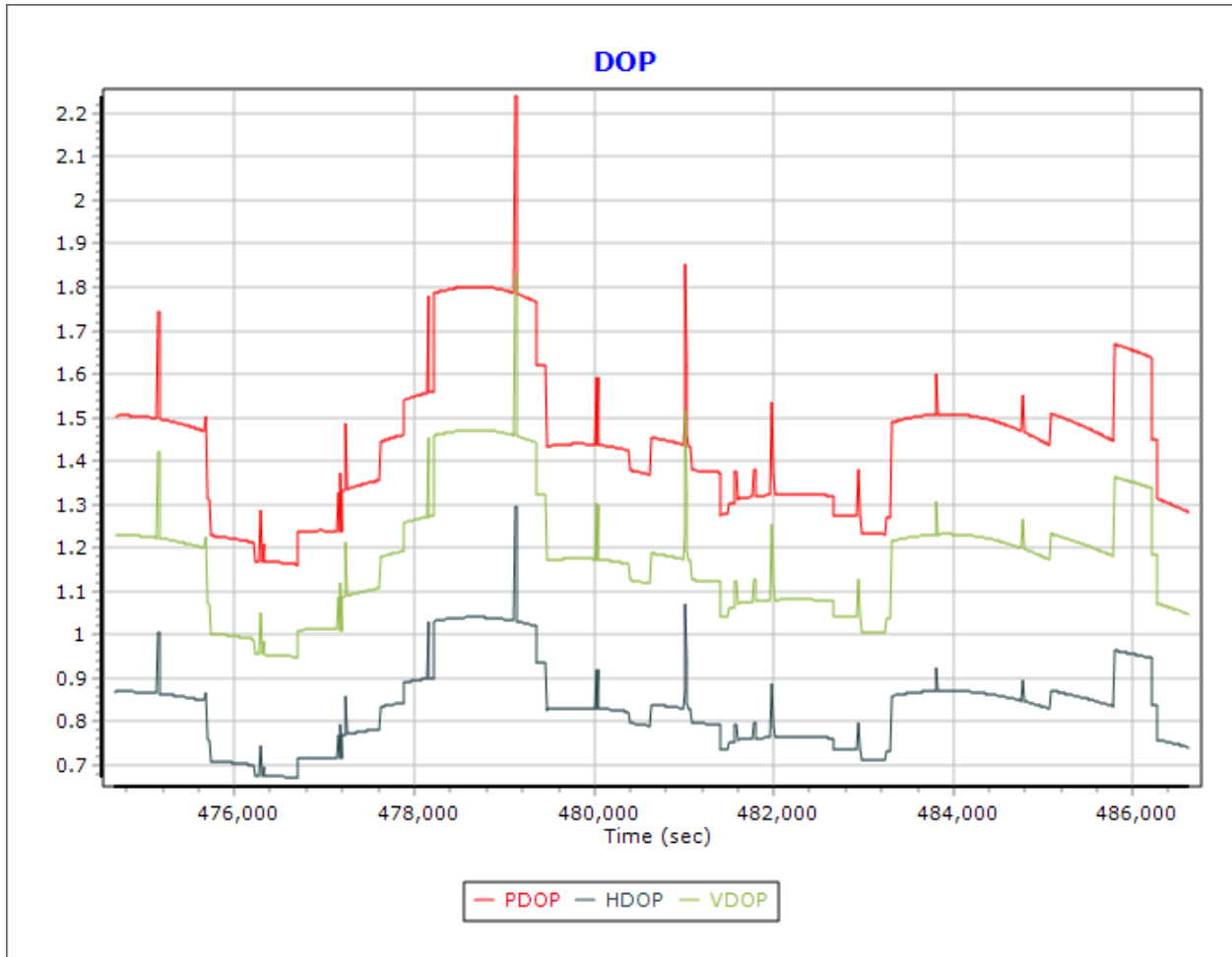


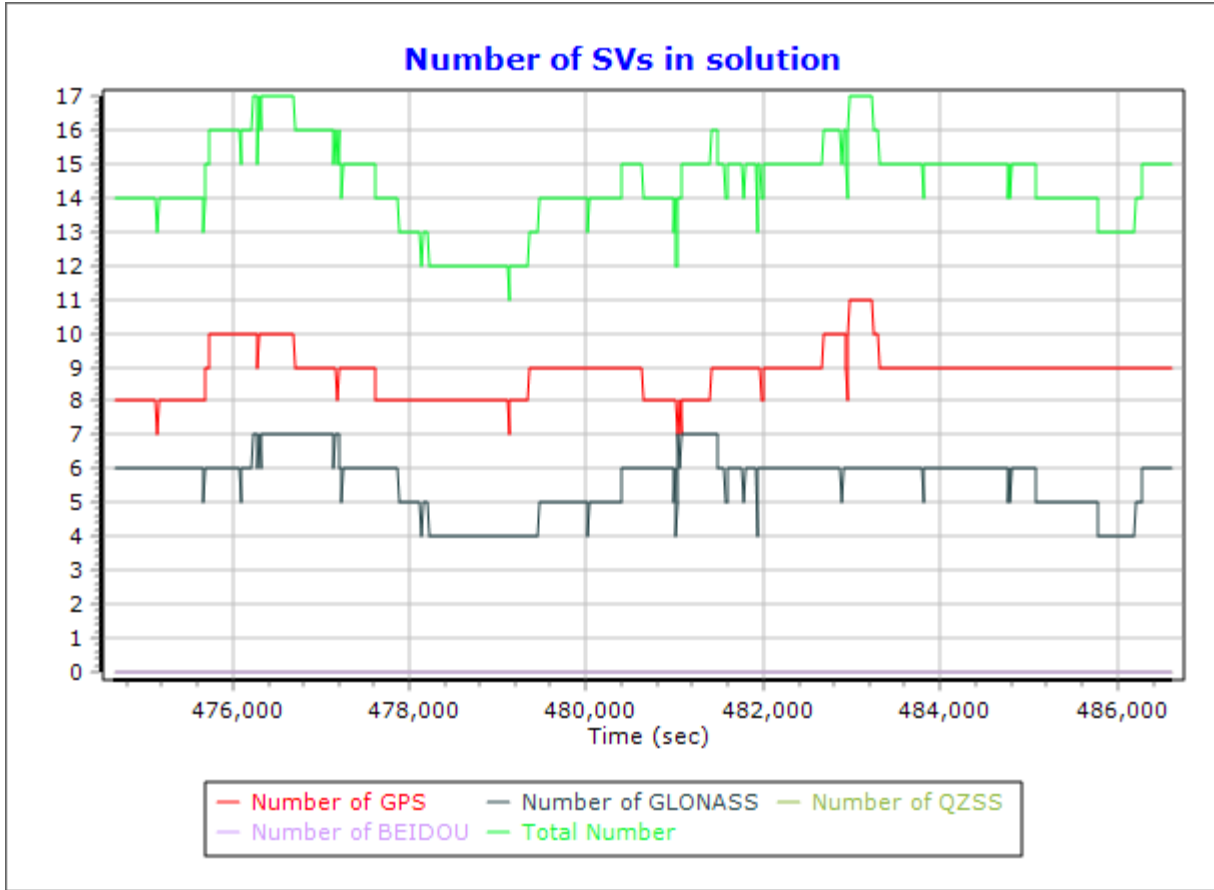












Processing Summary Information

Program: POSpac MMS
Version: 7.2.5934.15637
Project: \\sa\data\riegl\217001\20170303_SC_A\05_INS-GPS_PROC\01_POS\20170303_SC_A.pospac

Solution Type: In-Fusion SmartBase

Fixed: 11978 (99.99%)
Float: 0 (0.0%)
No Solution: 1 (0.01%)

Number of Epochs:

Total in .raw file: 11986
No processed position: 8

Fwd/Rev Separation RMS Values (m):

East: 0.003
North: 0.003
Height: 0.022

Fwd/Rev Sep. RMS for 25%-75% weighting (m): 5992 occurrences

East: 0.002
North: 0.002
Height: 0.025

Position Standard Deviation Percentages:

0.00 - 0.10 m: 100.0 %
0.10 - 0.30 m: 0.0 %
0.30 - 1.00 m: 0.0 %
1.00 - 5.00 m: 0.0 %
5.00 m + over: 0.0 %

Percentages of epochs with DD_DOP over 10.00: 0%

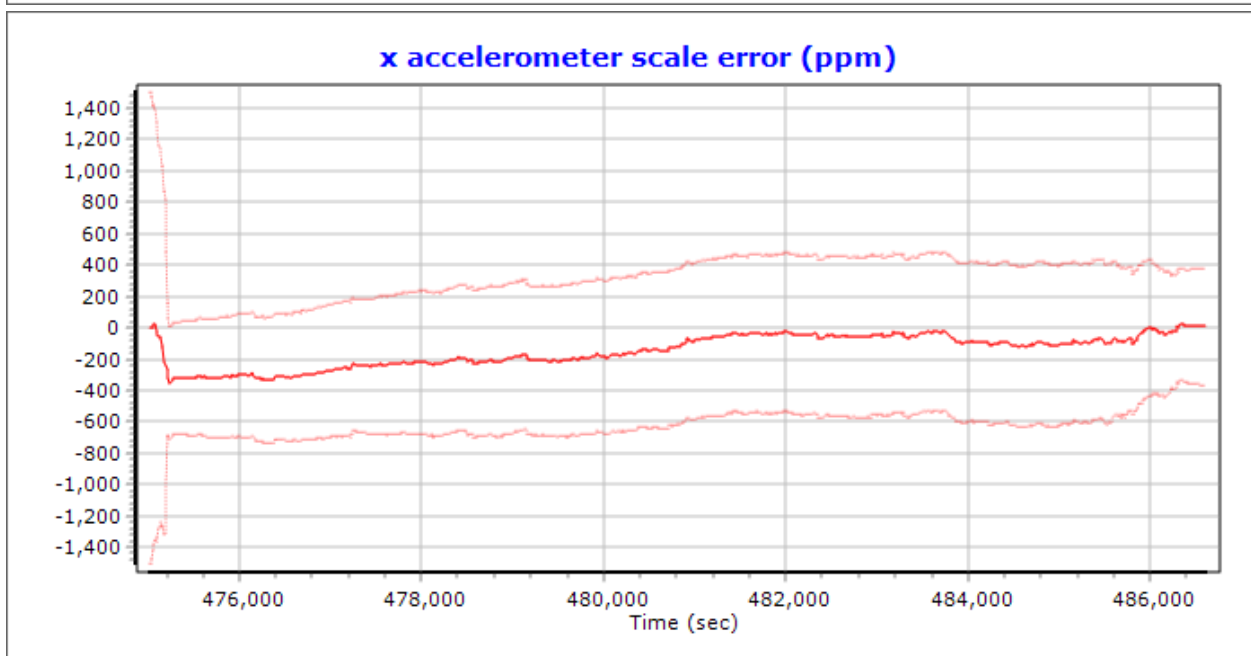
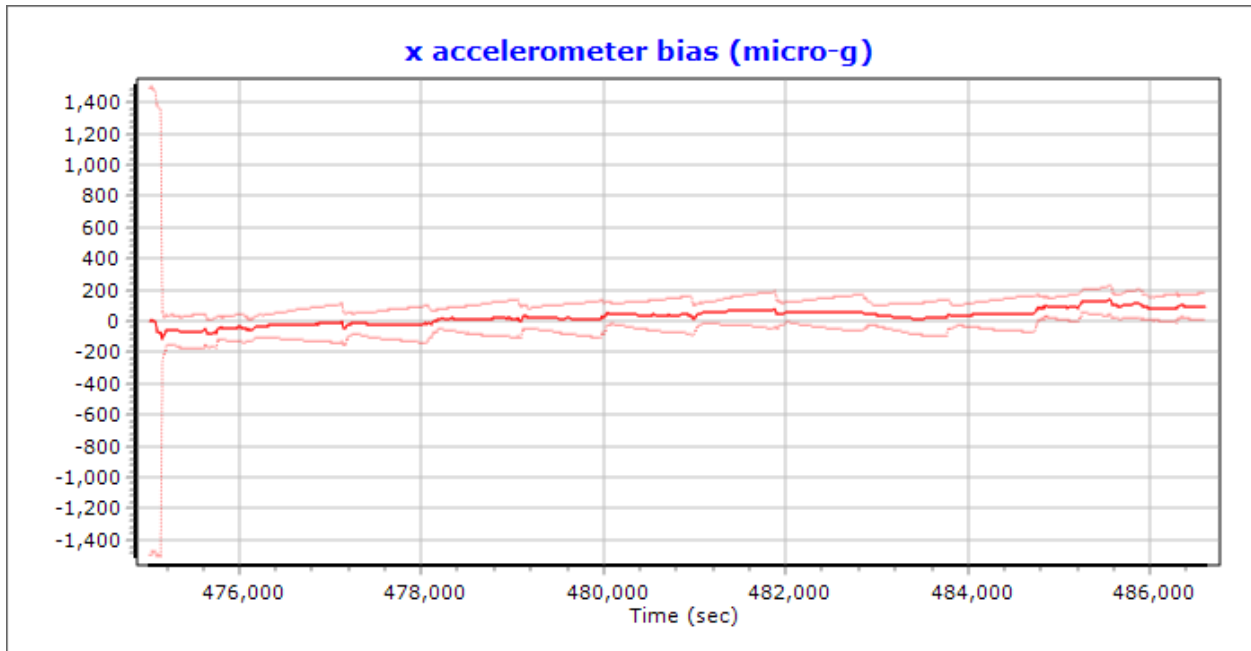
DOP over Tol: 1.44 %

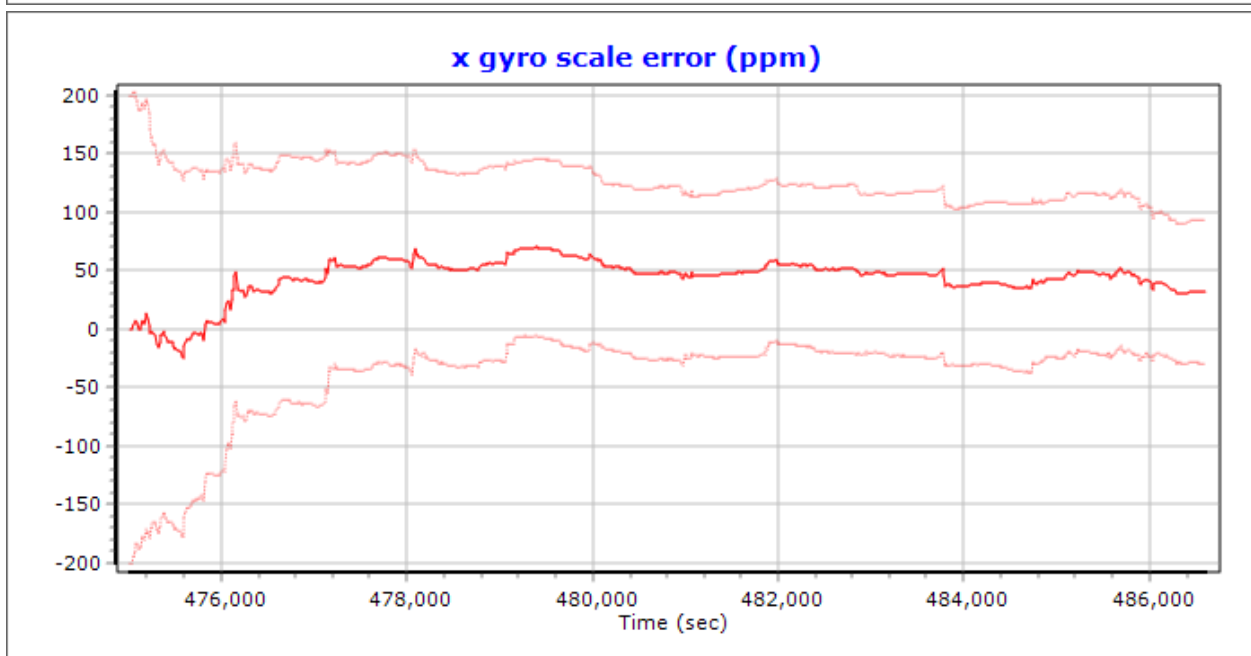
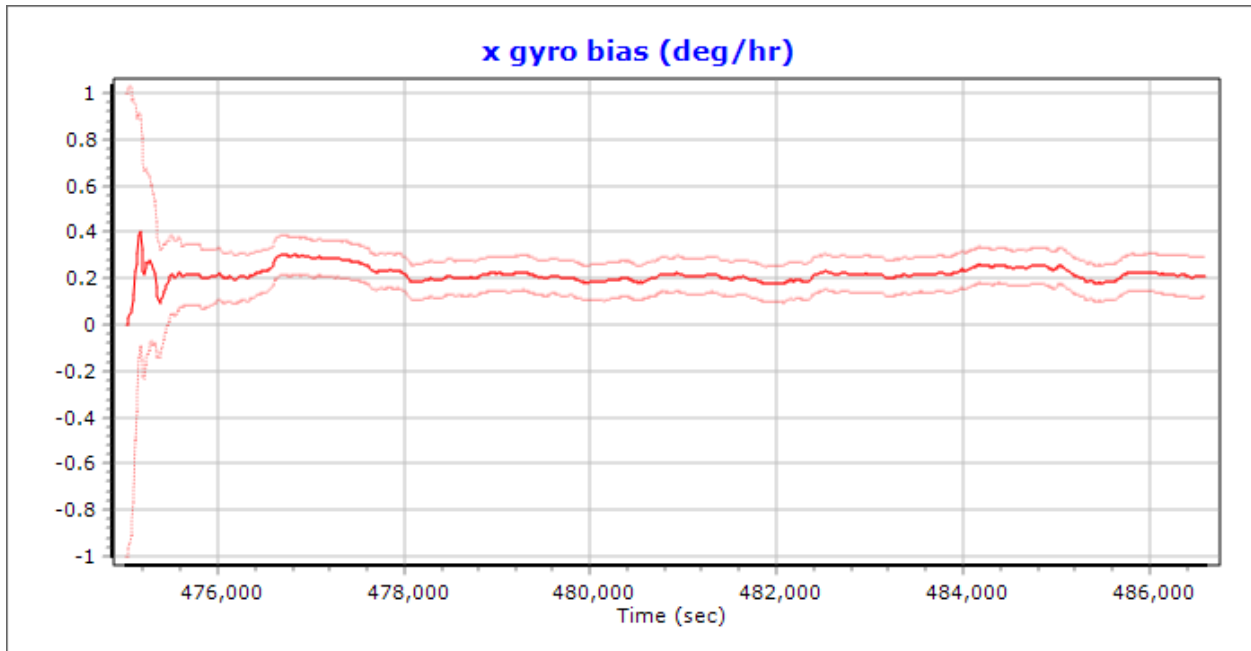
Baseline Distances (km):

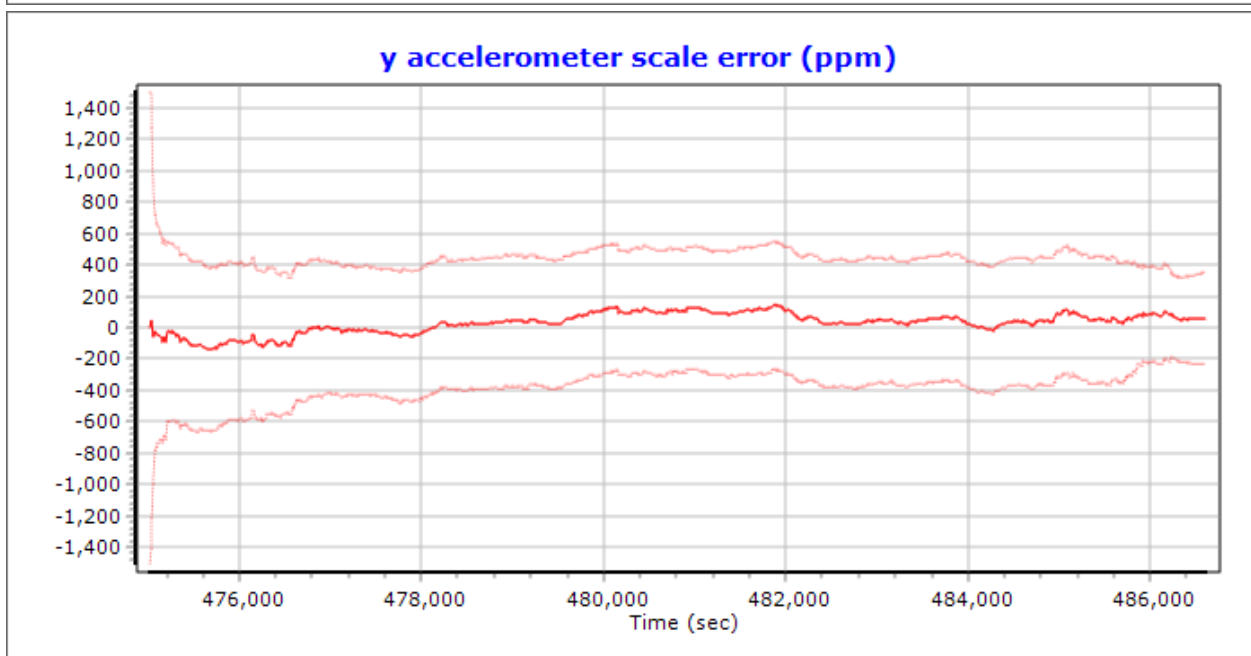
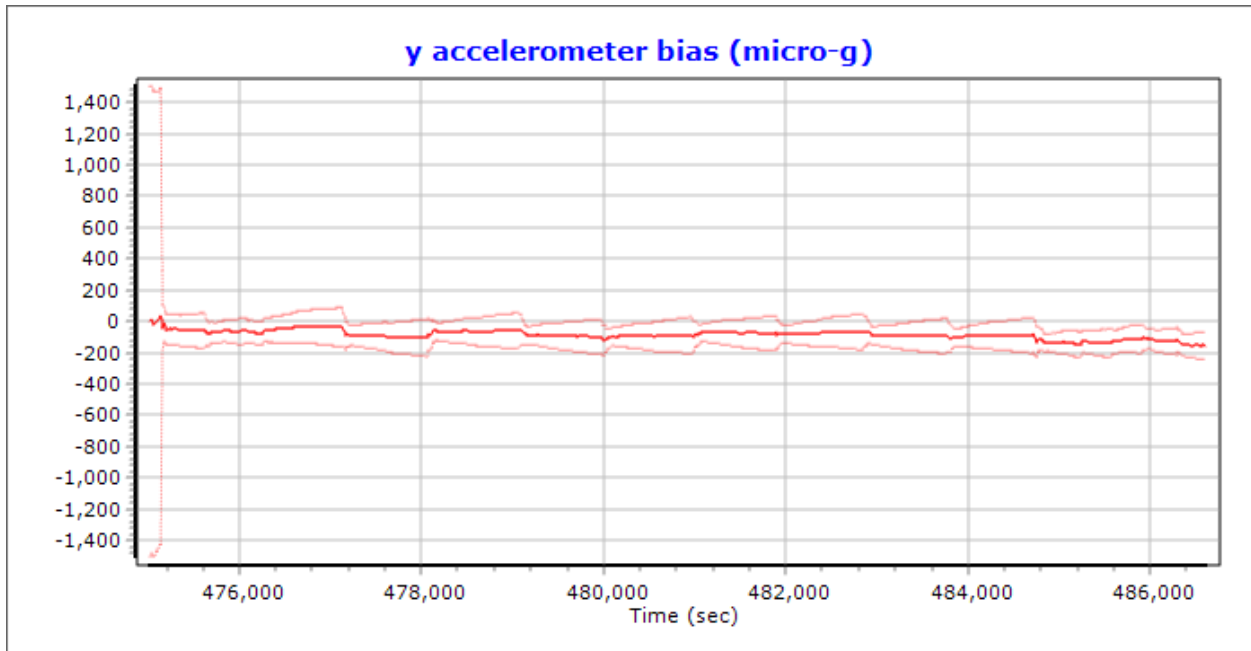
Maximum: 33.93
Minimum: 0.39
Average: 15.68
First Epoch: 8.783
Last Epoch: 8.623

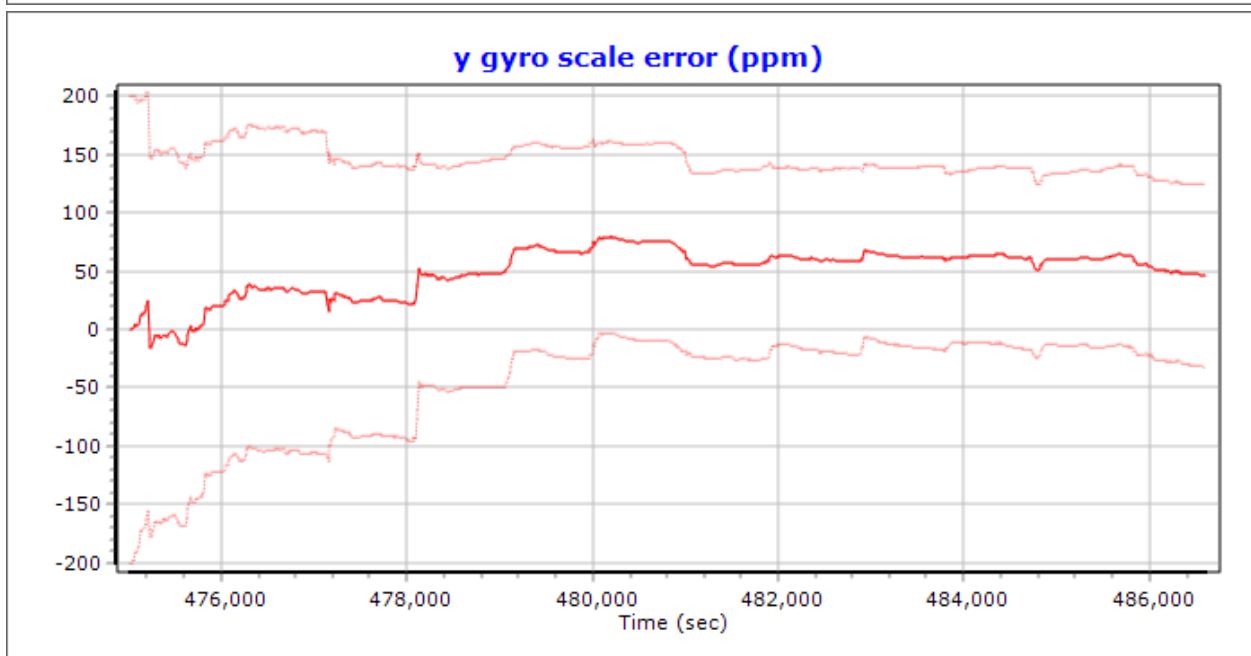
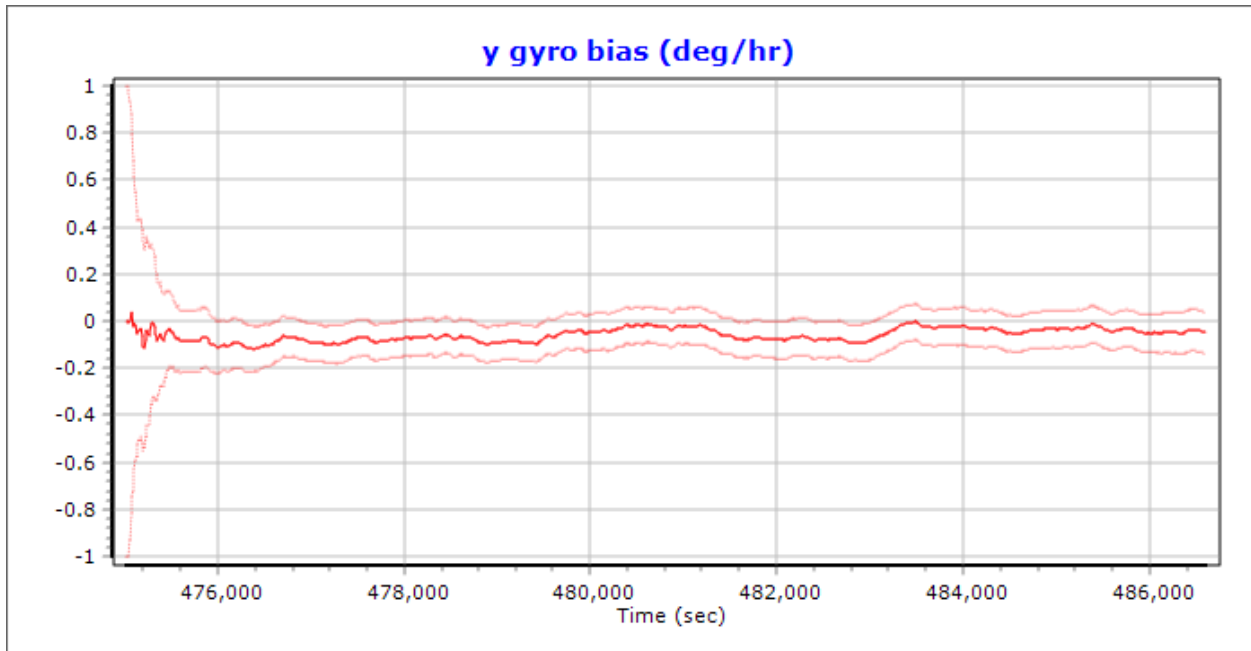
CORS Base Stations

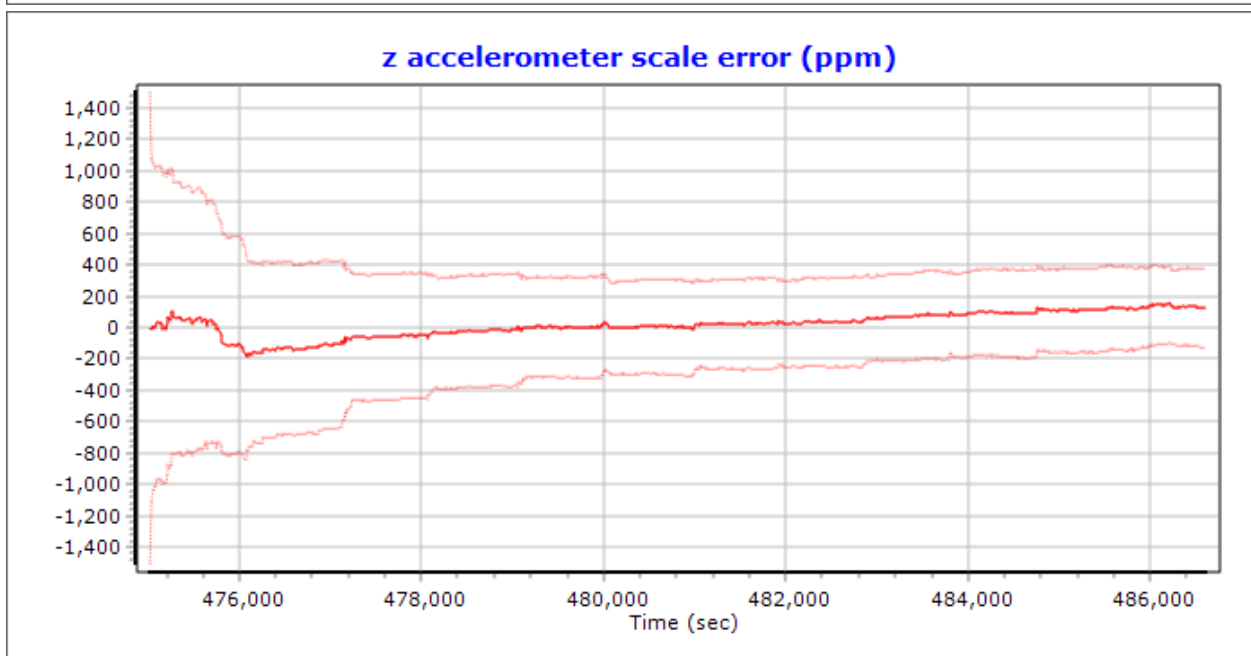
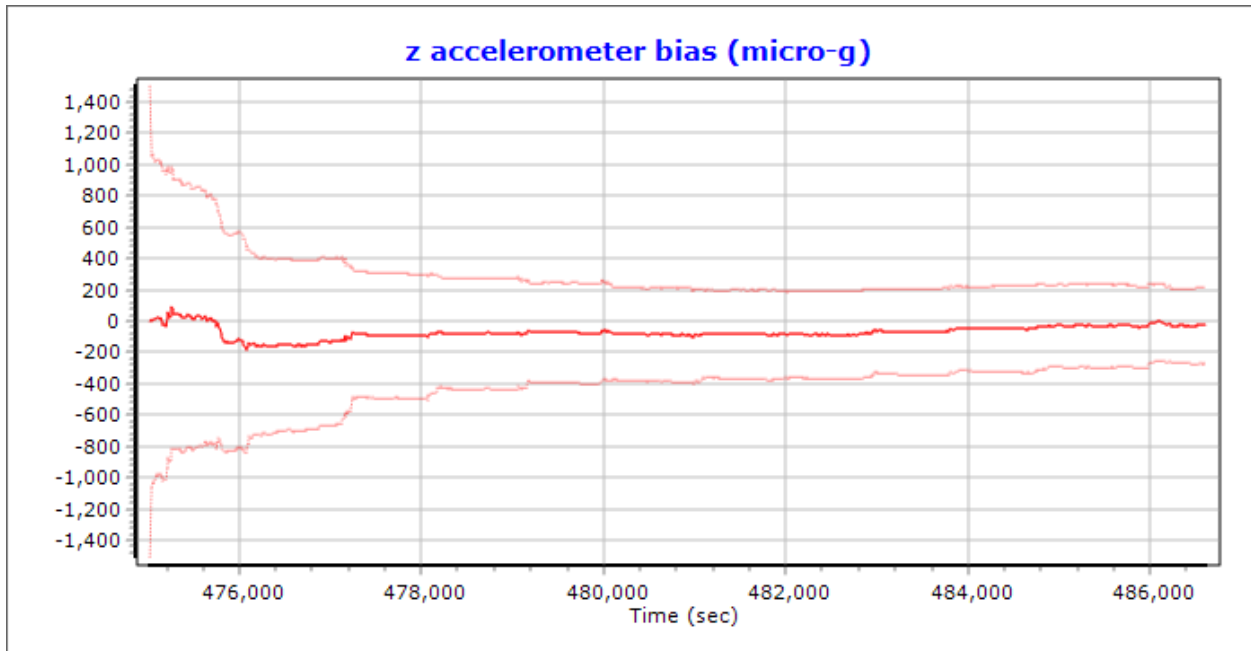
Station	Original (m)			Adjusted (m)		
	Latitude	Longitude	Altitude	Latitude	Longitude	Altitude
SCWT	N32°54'12.37703"	W80°40'06.29559"	-3.409	N32°54'12.37690"	W80°40'06.29591"	-3.389
SCSR	N33°55'22.03580"	W80°20'26.60190"	35.145	N33°55'22.03594"	W80°20'26.60221"	35.15
SCHY	N33°56'23.76205"	W78°44'06.90329"	-17.463	N33°56'23.76213"	W78°44'06.90337"	-17.469
SCHA	N32°46'46.11651"	W79°55'31.31707"	-14.628	N32°46'46.11651"	W79°55'31.31707"	-14.629
SCEB	N32°28'58.77962"	W80°19'55.92573"	-25.407	N32°28'58.77915"	W80°19'55.92534"	-25.402
NCWH	N34°16'49.61580"	W78°42'59.35208"	-3.762	N34°16'49.61597"	W78°42'59.35197"	-3.766
NCSL	N33°58'57.22690"	W78°23'24.32662"	-11.422	N33°58'57.22718"	W78°23'24.32660"	-11.439
NCRO	N34°57'52.01376"	W79°47'47.76295"	90.485	N34°57'52.01396"	W79°47'47.76289"	90.471
NCLU	N34°37'36.36203"	W79°04'39.71601"	14.404	N34°37'36.36204"	W79°04'39.71600"	14.413
GAAE	N33°25'38.07514"	W82°04'04.06747"	124.365	N33°25'38.07544"	W82°04'04.06749"	124.358
COLA	N34°04'51.58332"	W81°07'18.03800"	81.574	N34°04'51.58298"	W81°07'18.03824"	81.604

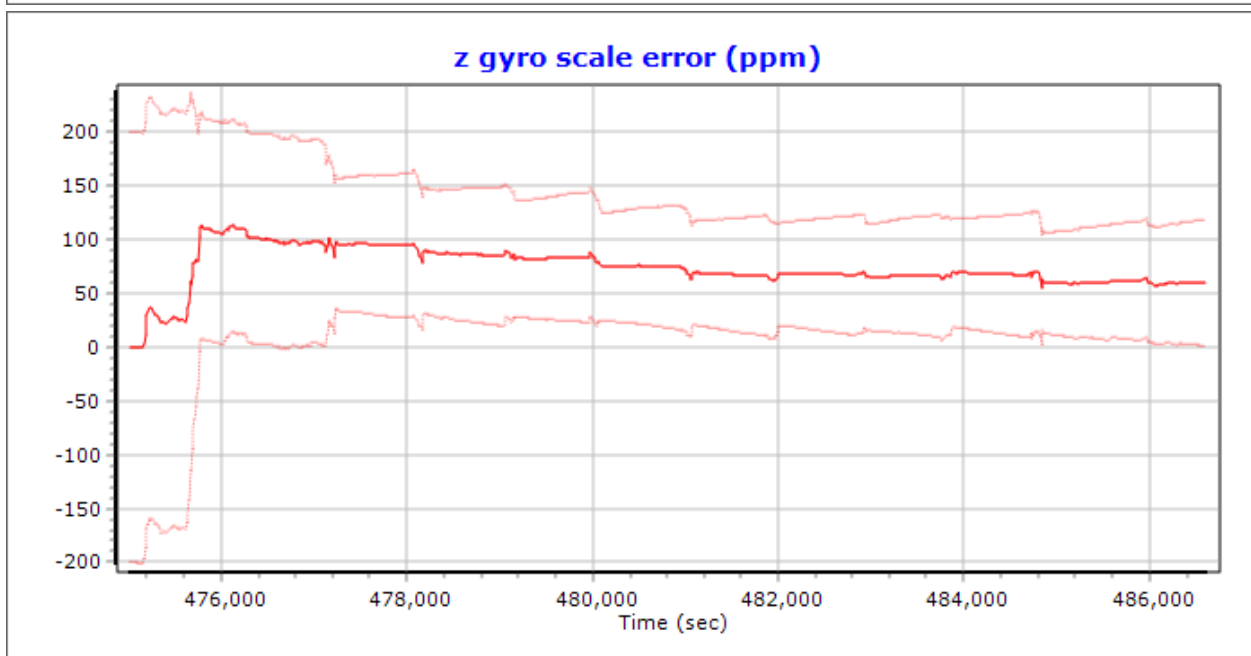
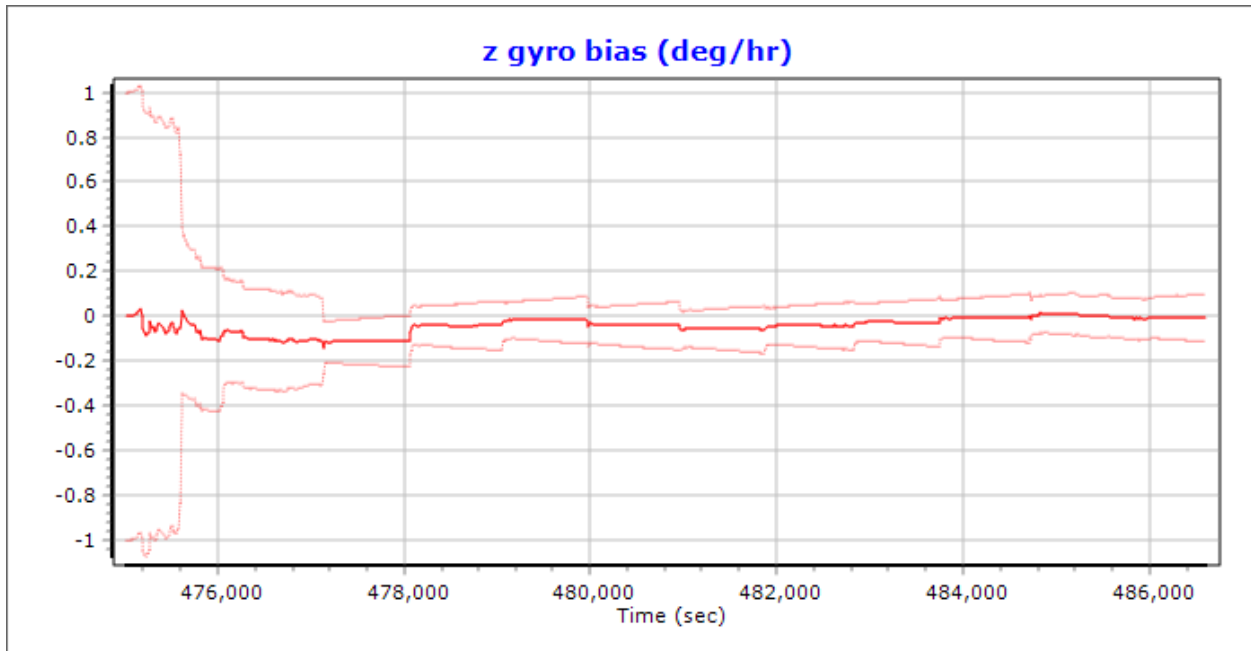


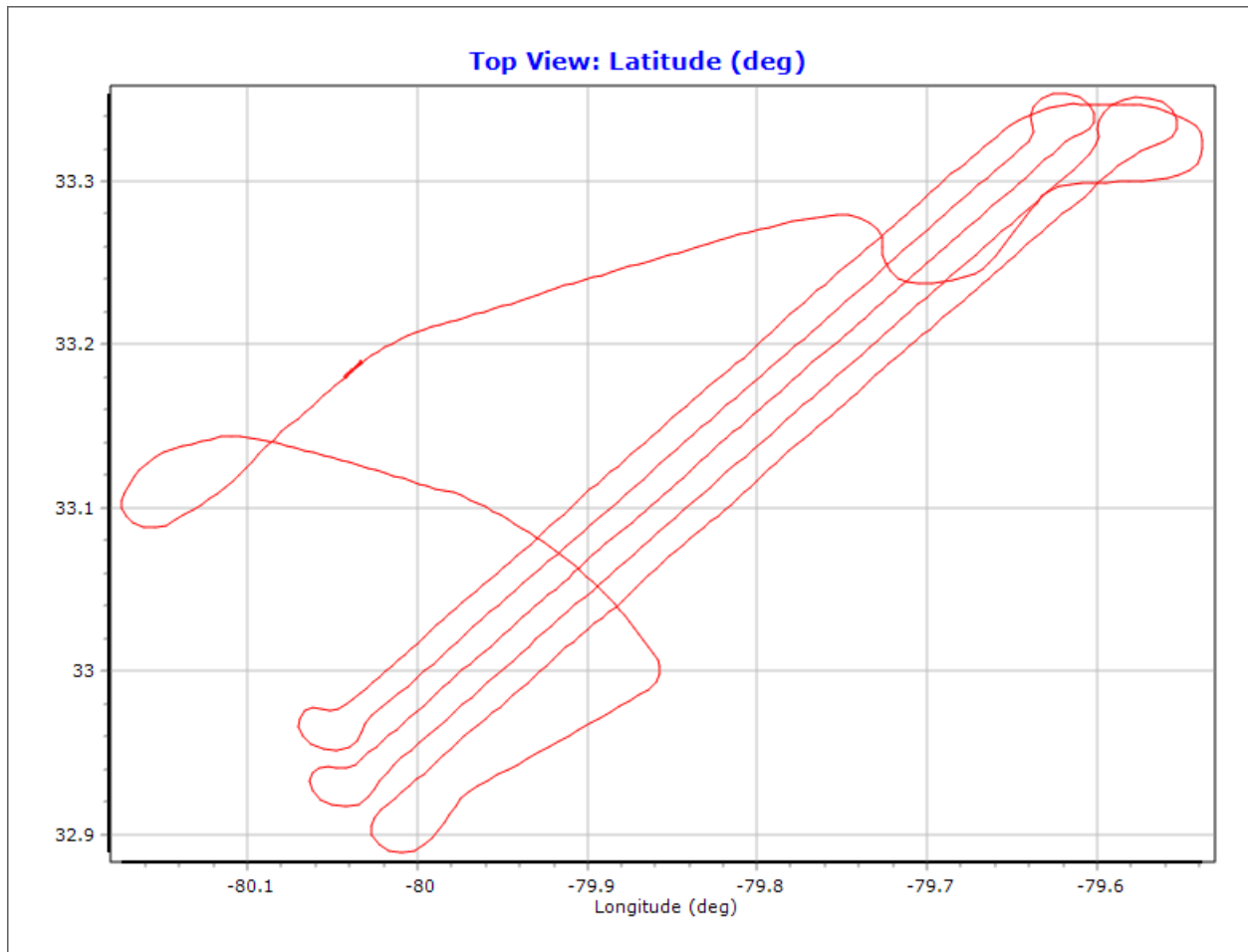


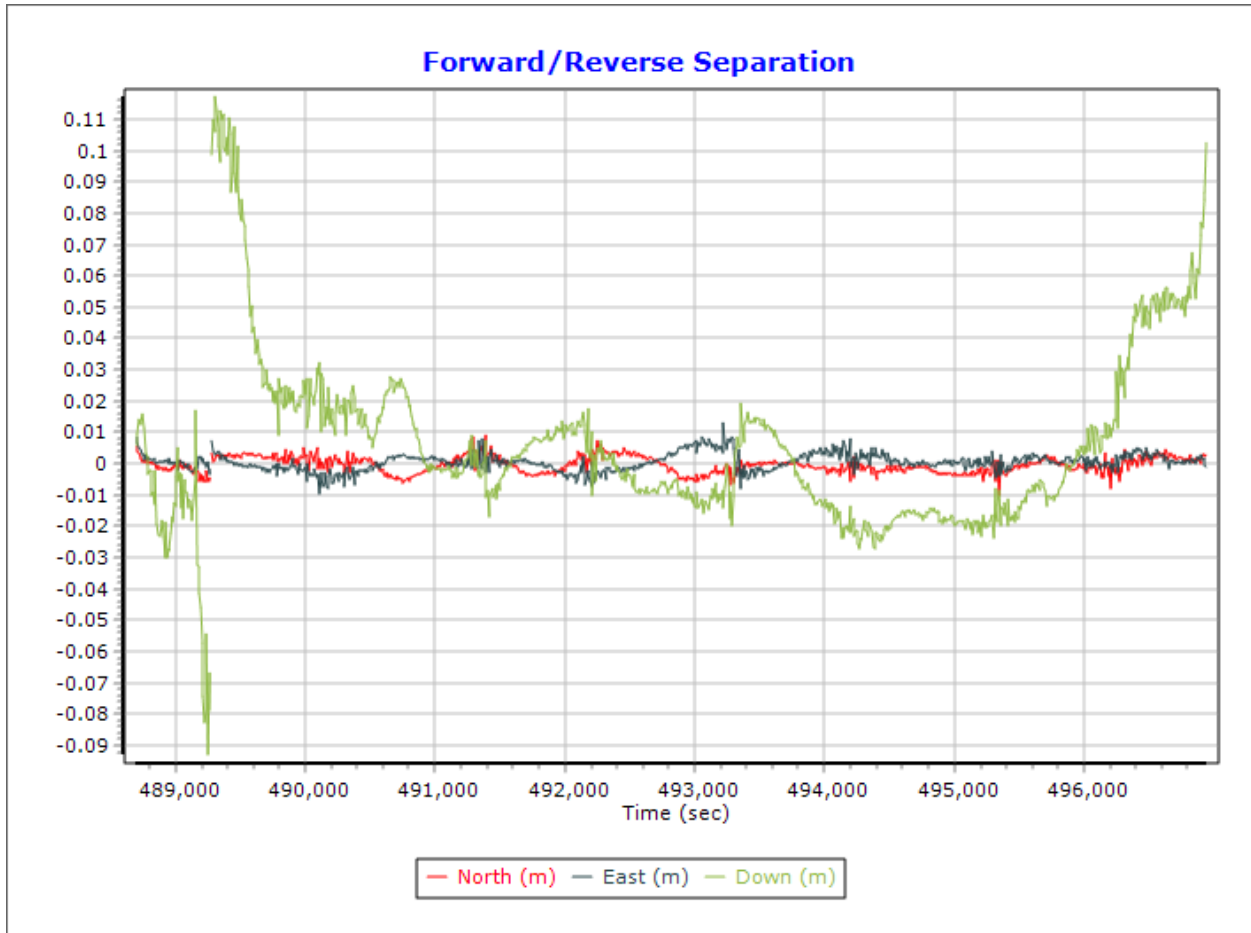


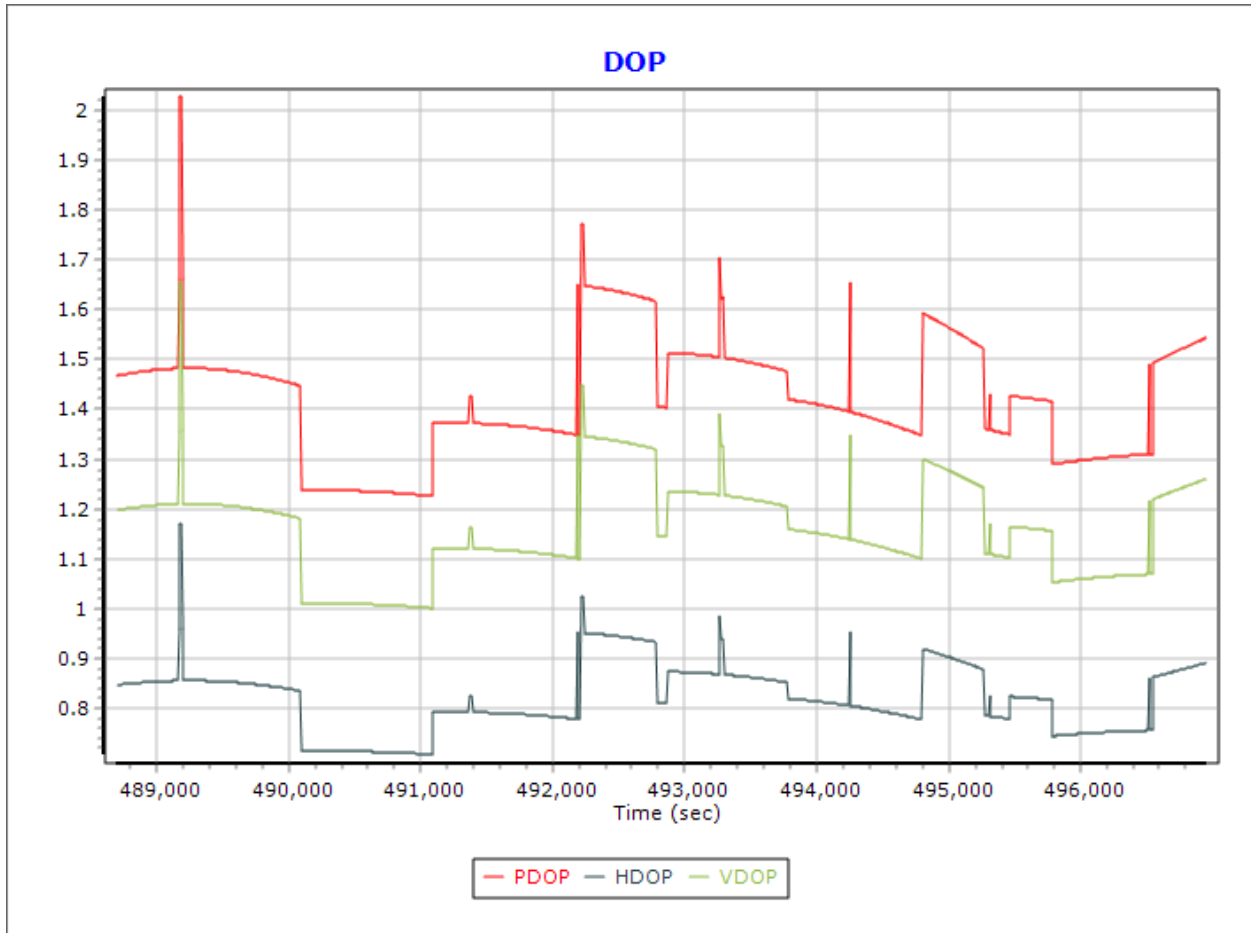


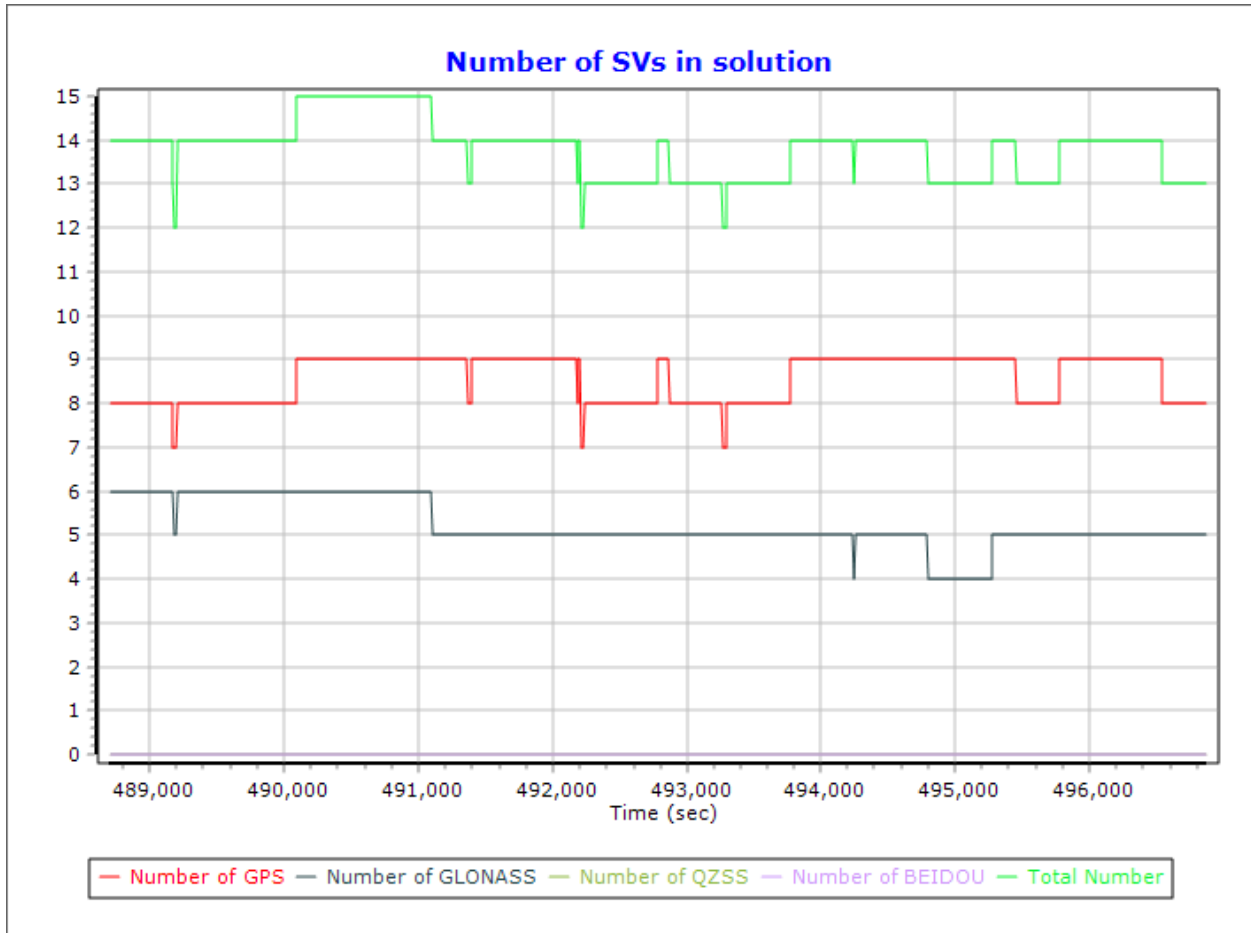












Processing Summary Information

Program: POSPac MMS
Version: 7.2.5934.15637
Project: \\sa\data\riegl\217001\20170303_SC_B\05_INS-GPS_PROC\01_POS\20170303_SC_B.pospac

Solution Type: In-Fusion SmartBase

Fixed: 8190 (99.99%)
Float: 0 (0.0%)
No Solution: 1 (0.01%)

Number of Epochs:

Total in .raw file: 8265
No processed position: 75

Fwd/Rev Separation RMS Values (m):

East: 0.003
North: 0.003
Height: 0.029

Fwd/Rev Sep. RMS for 25%-75% weighting (m): 4131 occurrences

East: 0.003
North: 0.003
Height: 0.012

Position Standard Deviation Percentages:

0.00 - 0.10 m: 100.0 %
0.10 - 0.30 m: 0.0 %
0.30 - 1.00 m: 0.0 %
1.00 - 5.00 m: 0.0 %
5.00 m + over: 0.0 %

Percentages of epochs with DD_DOP over 10.00: 0%

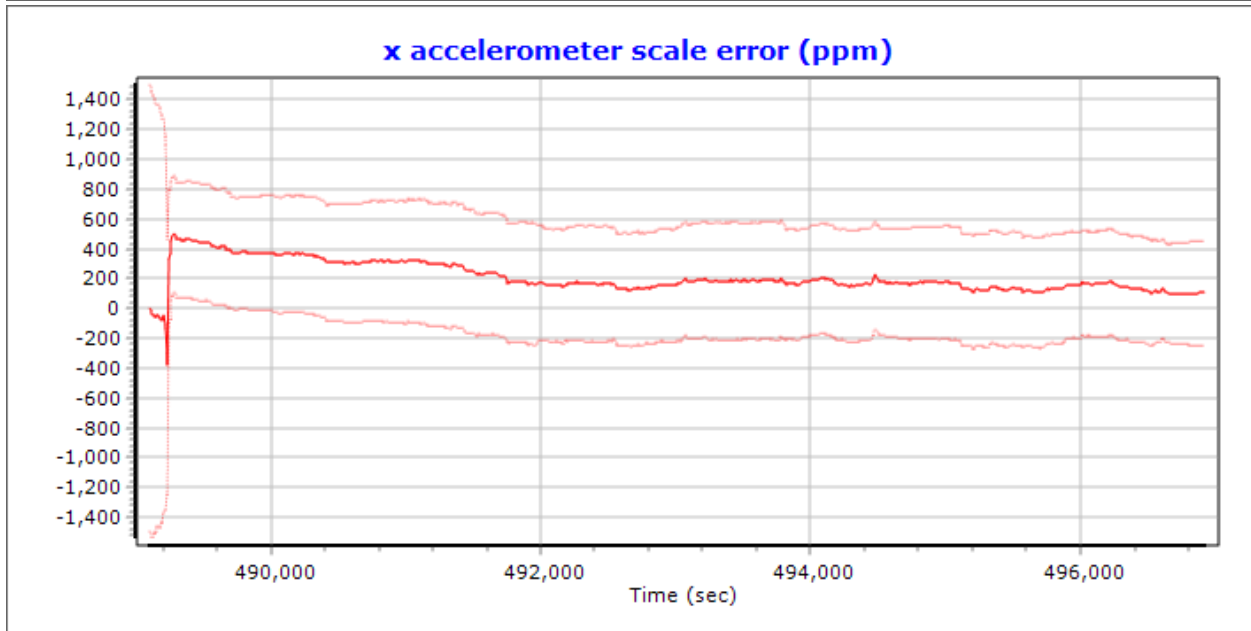
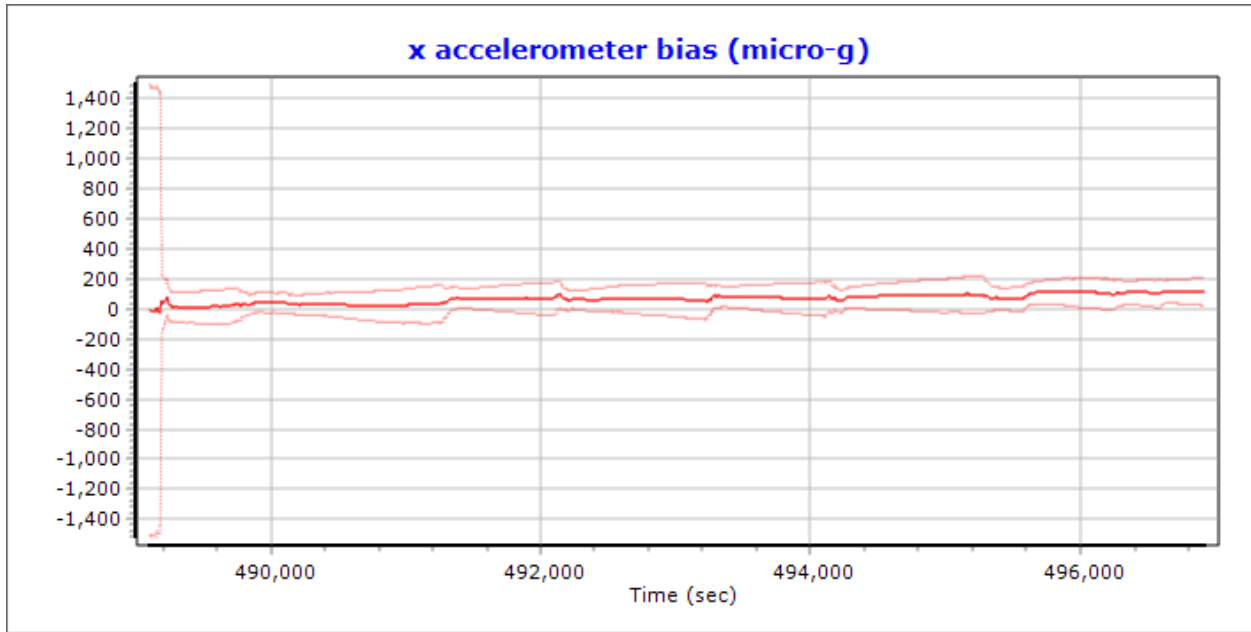
DOP over Tol: 1.42 %

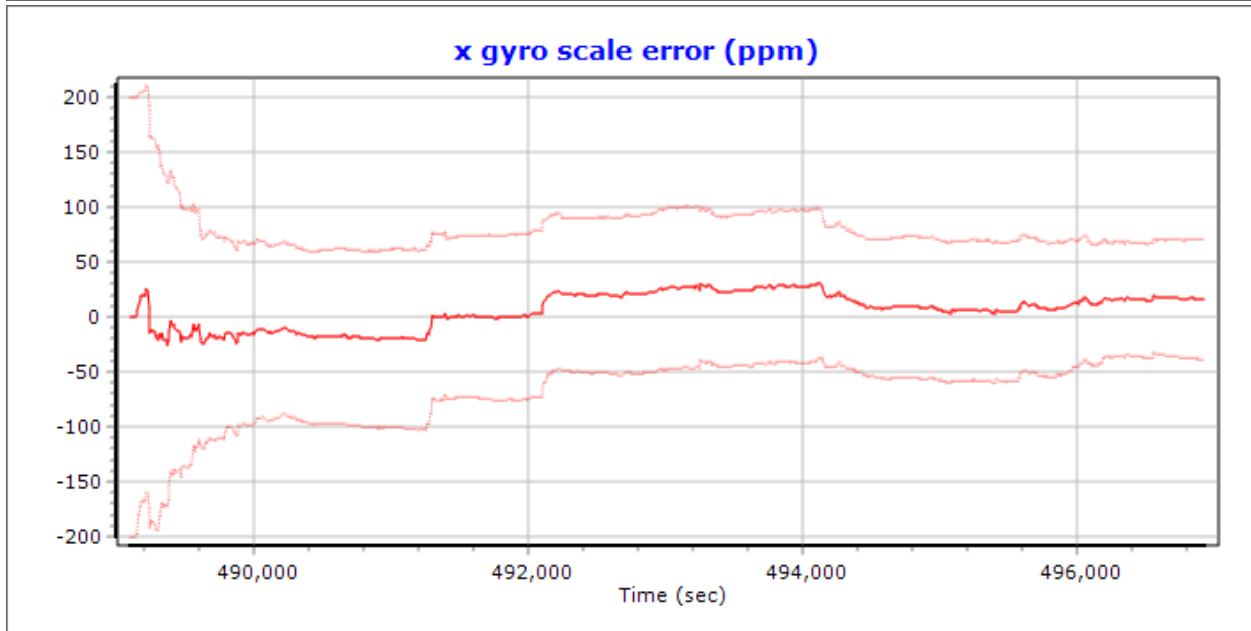
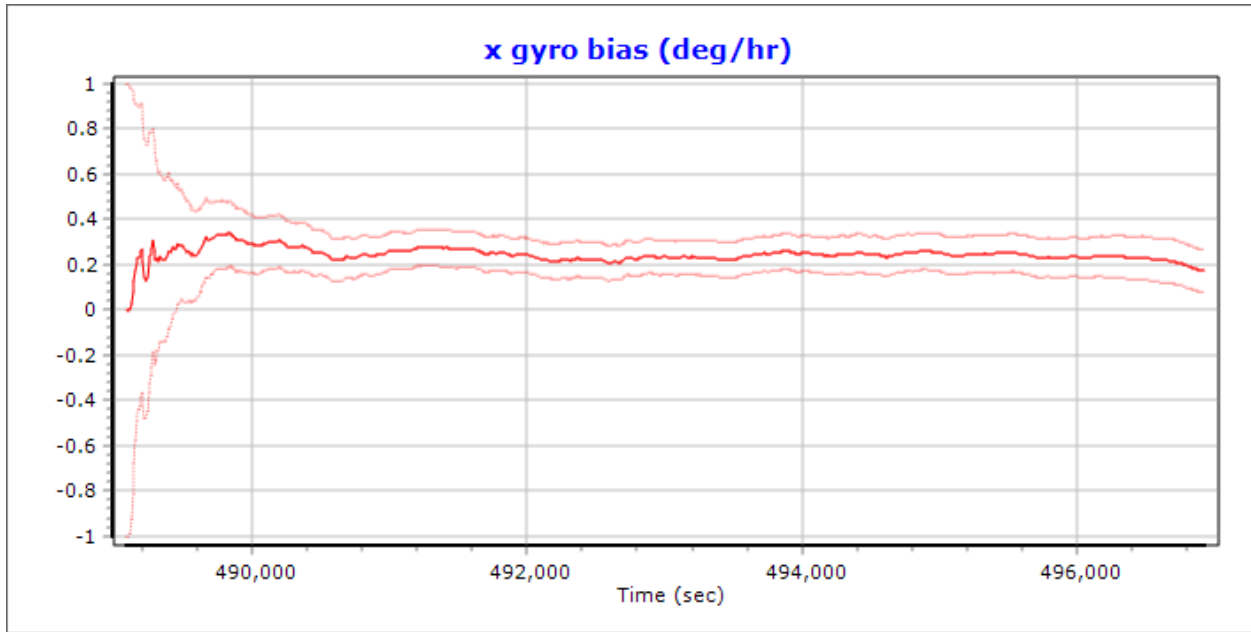
Baseline Distances (km):

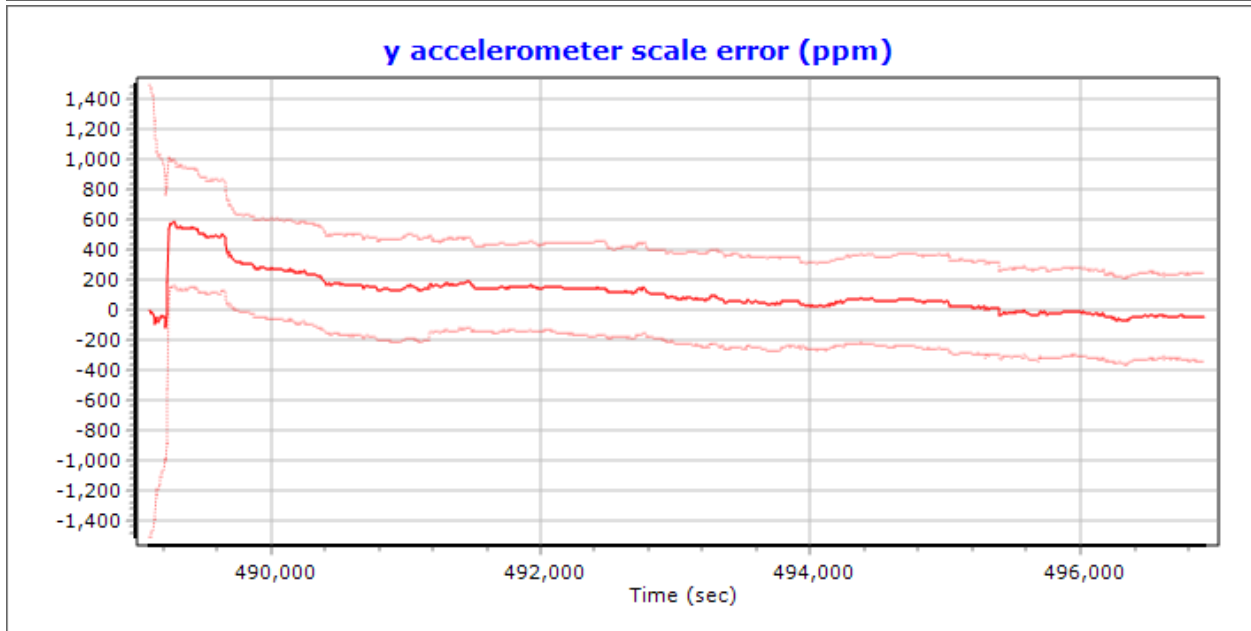
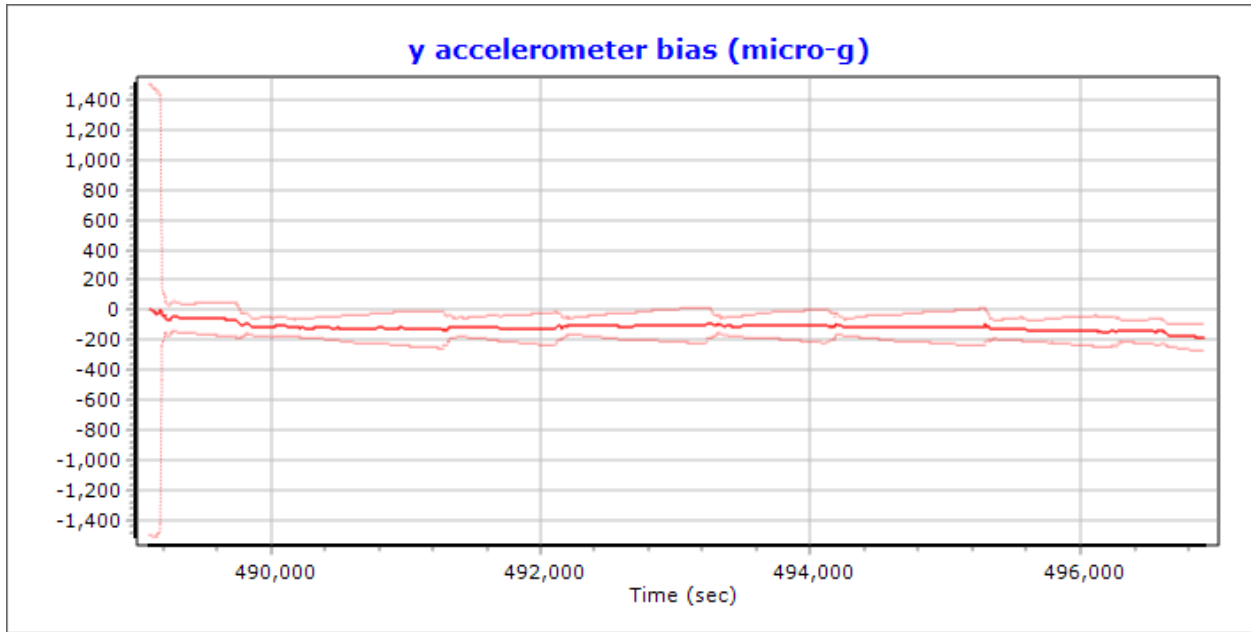
Maximum: 36.35
Minimum: 0.83
Average: 18.02
First Epoch: 16.364
Last Epoch: 16.373

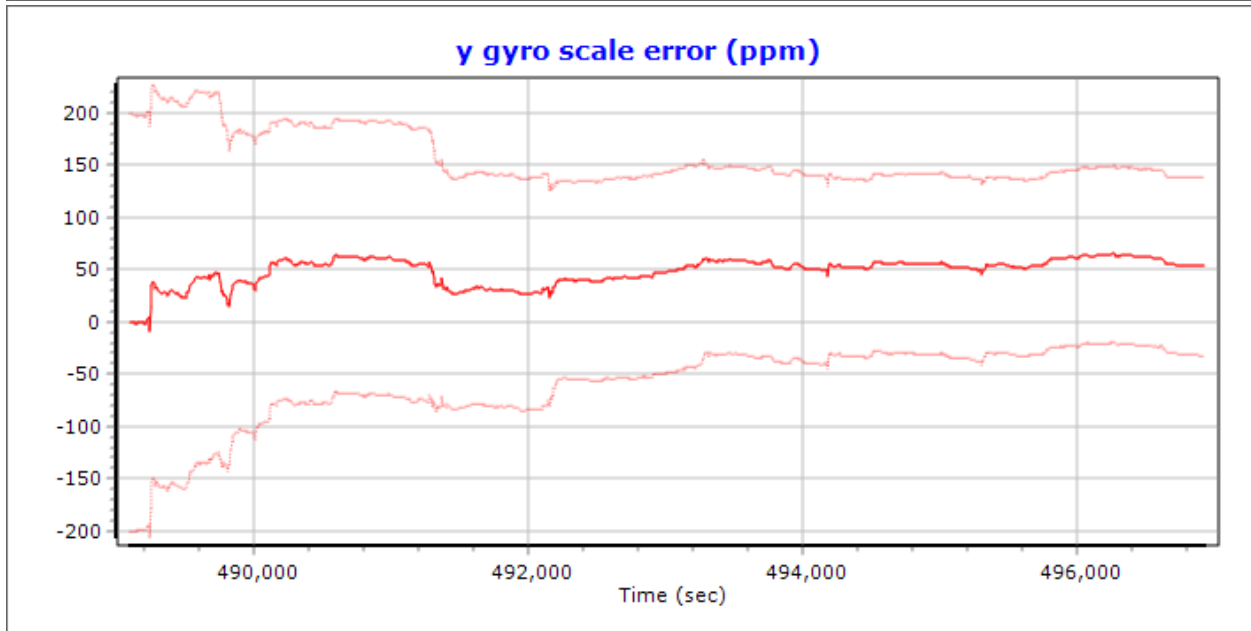
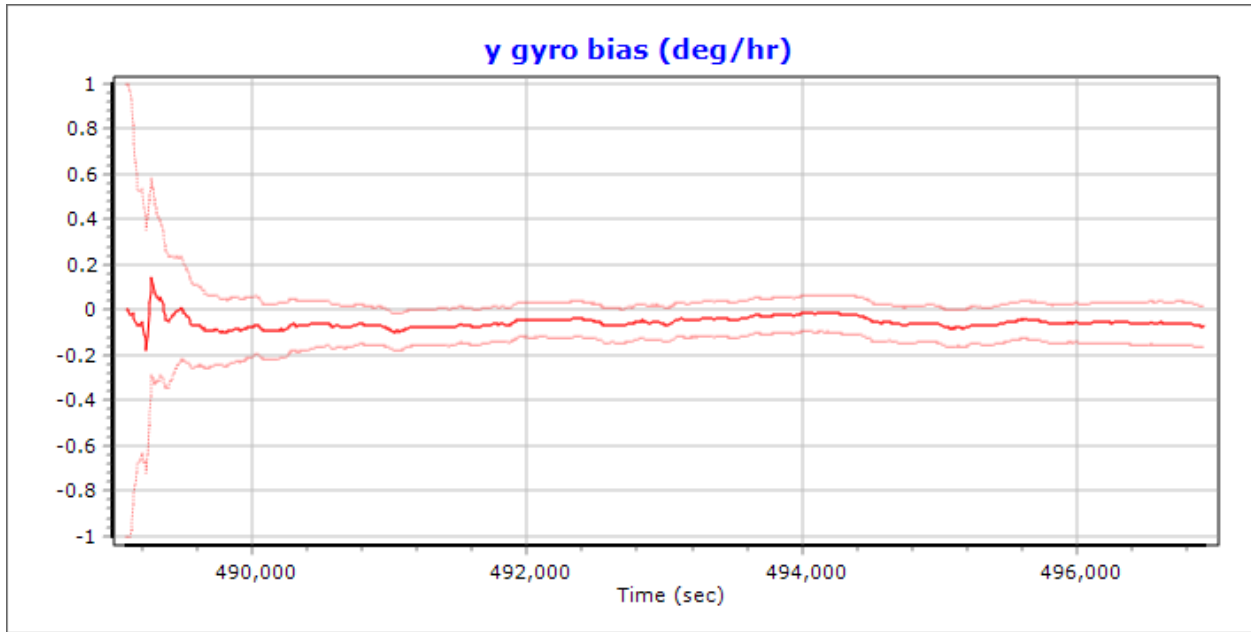
CORS Base Stations

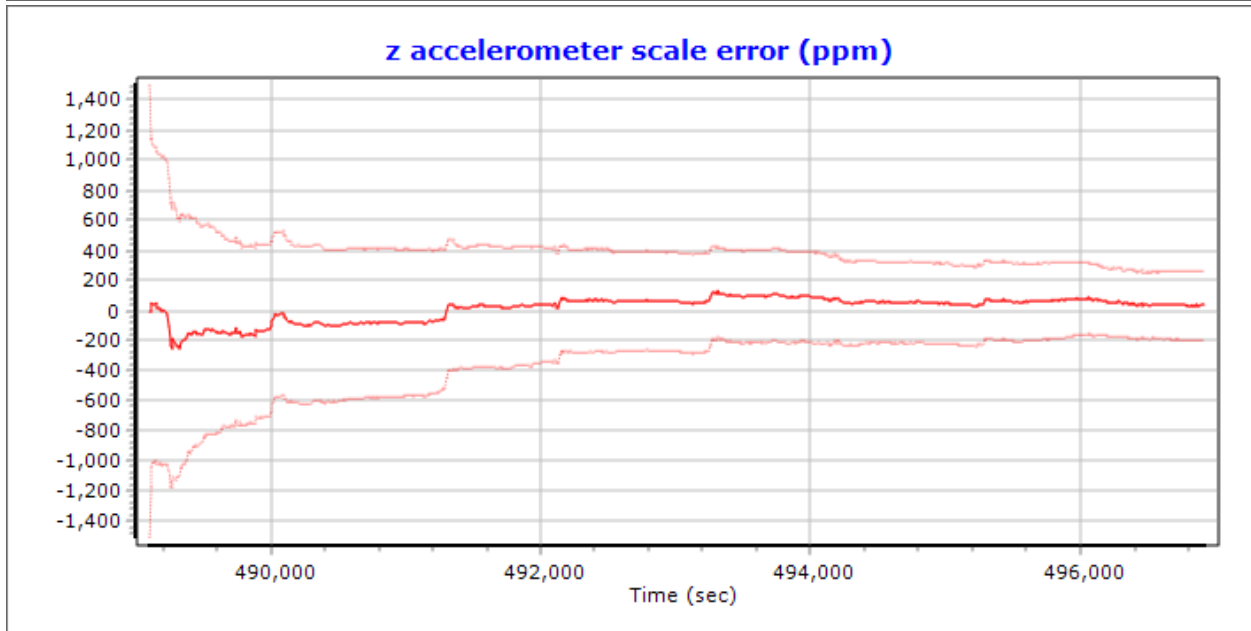
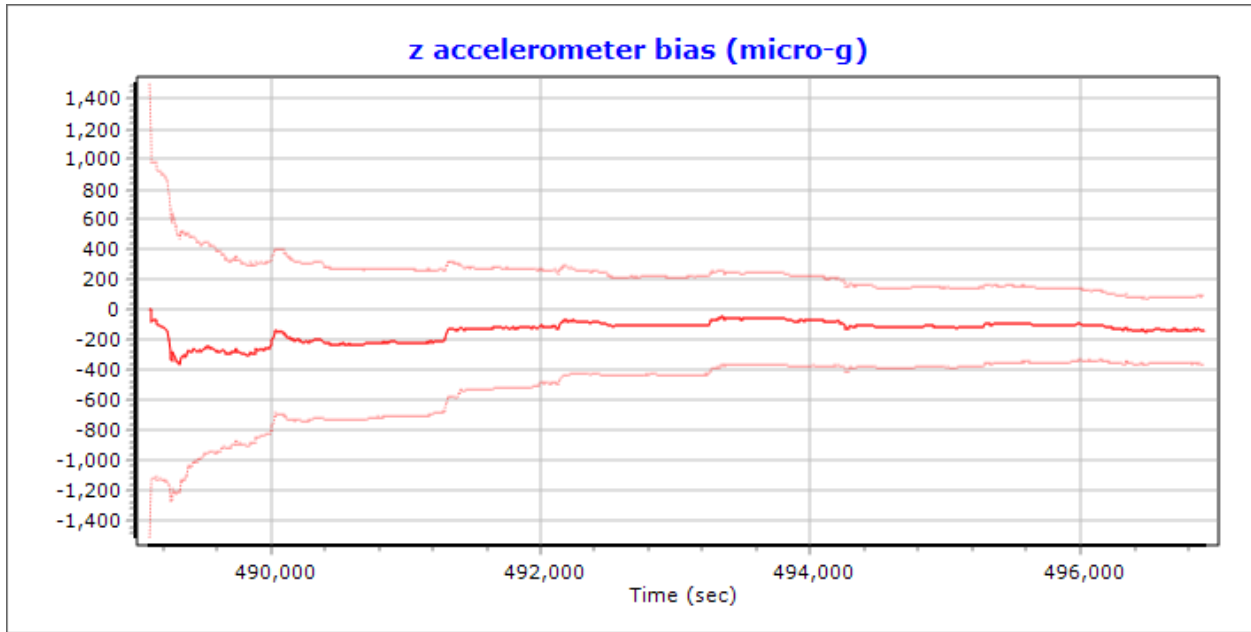
Station	Original (m)			Adjusted (m)		
	Latitude	Longitude	Altitude	Latitude	Longitude	Altitude
SCWT	N32°54'12.37703"	W80°40'06.29559"	-3.409	N32°54'12.37691"	W80°40'06.29595"	-3.39
SCSR	N33°55'22.03580"	W80°20'26.60190"	35.145	N33°55'22.03597"	W80°20'26.60223"	35.144
SCHY	N33°56'23.76205"	W78°44'06.90329"	-17.463	N33°56'23.76215"	W78°44'06.90333"	-17.469
SCHA	N32°46'46.11651"	W79°55'31.31707"	-14.628	N32°46'46.11651"	W79°55'31.31707"	-14.629
SCEB	N32°28'58.77962"	W80°19'55.92573"	-25.407	N32°28'58.77914"	W80°19'55.92535"	-25.402

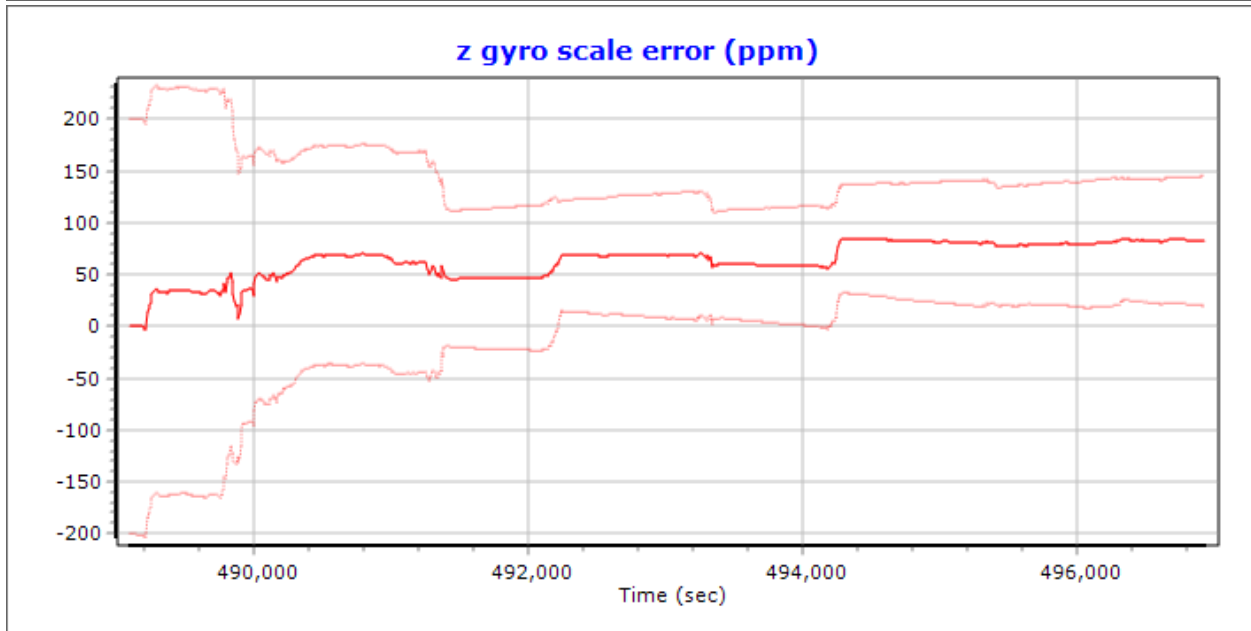
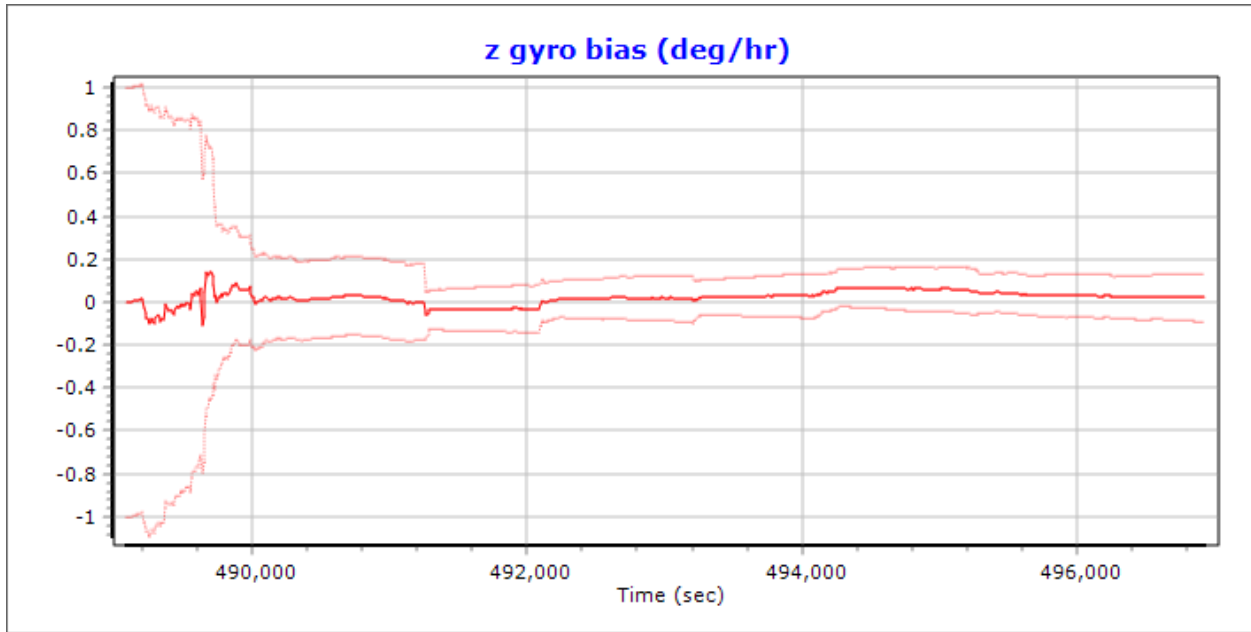


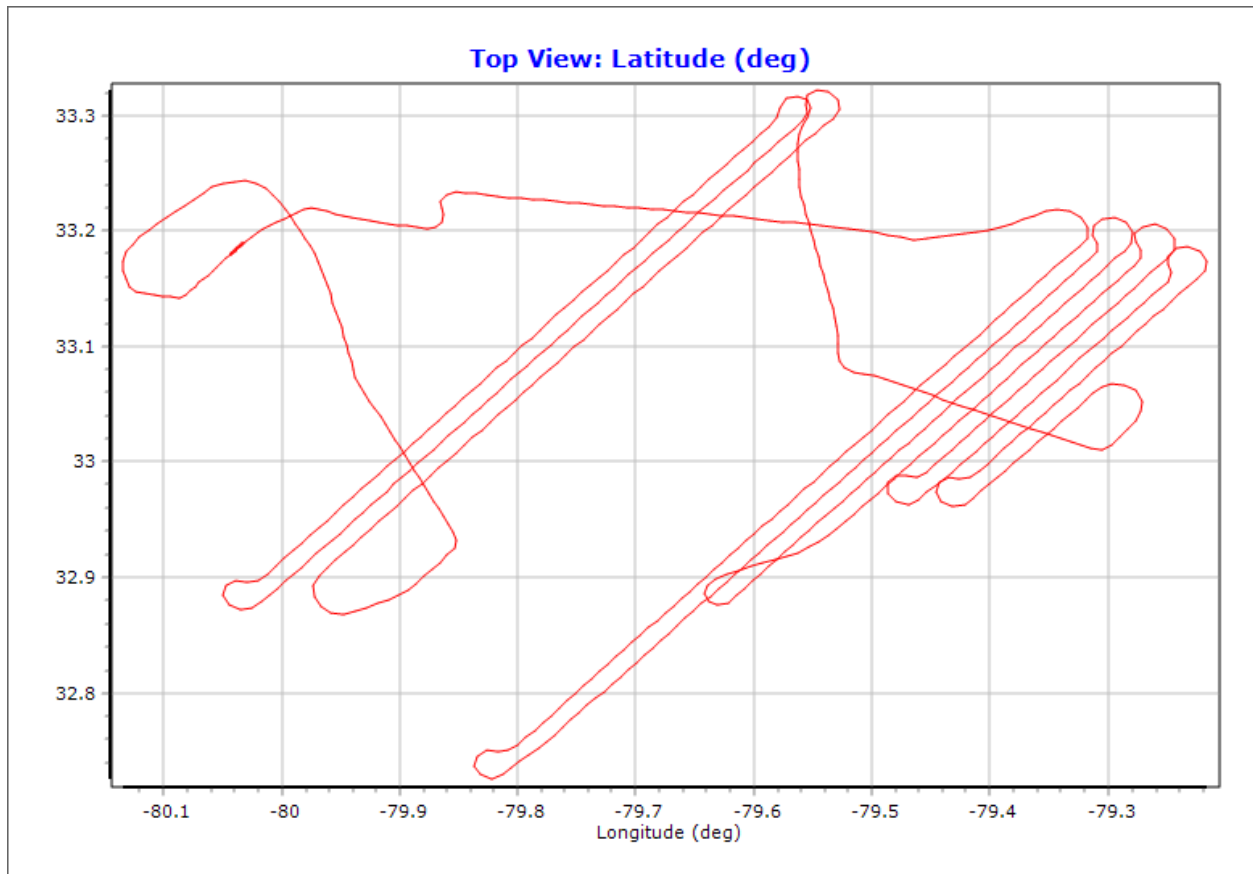


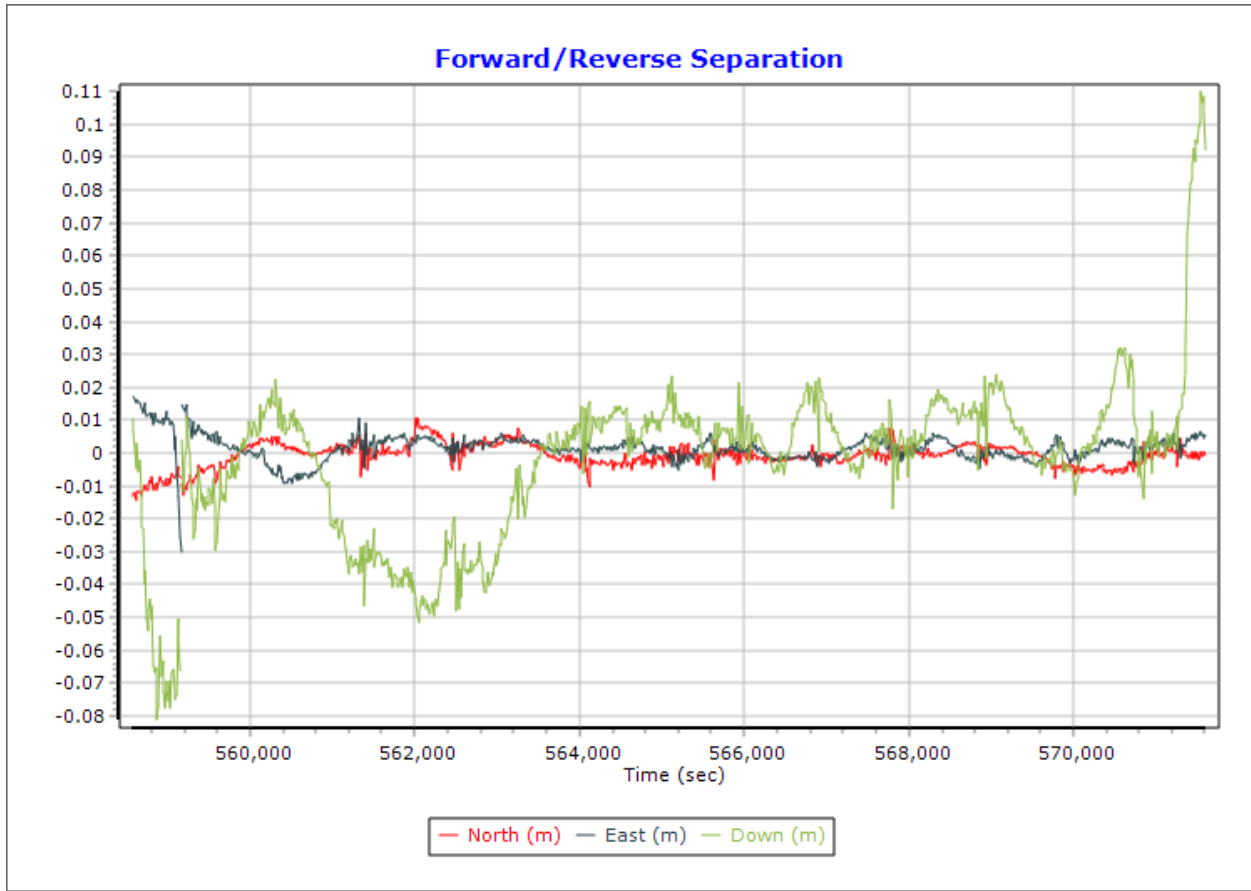


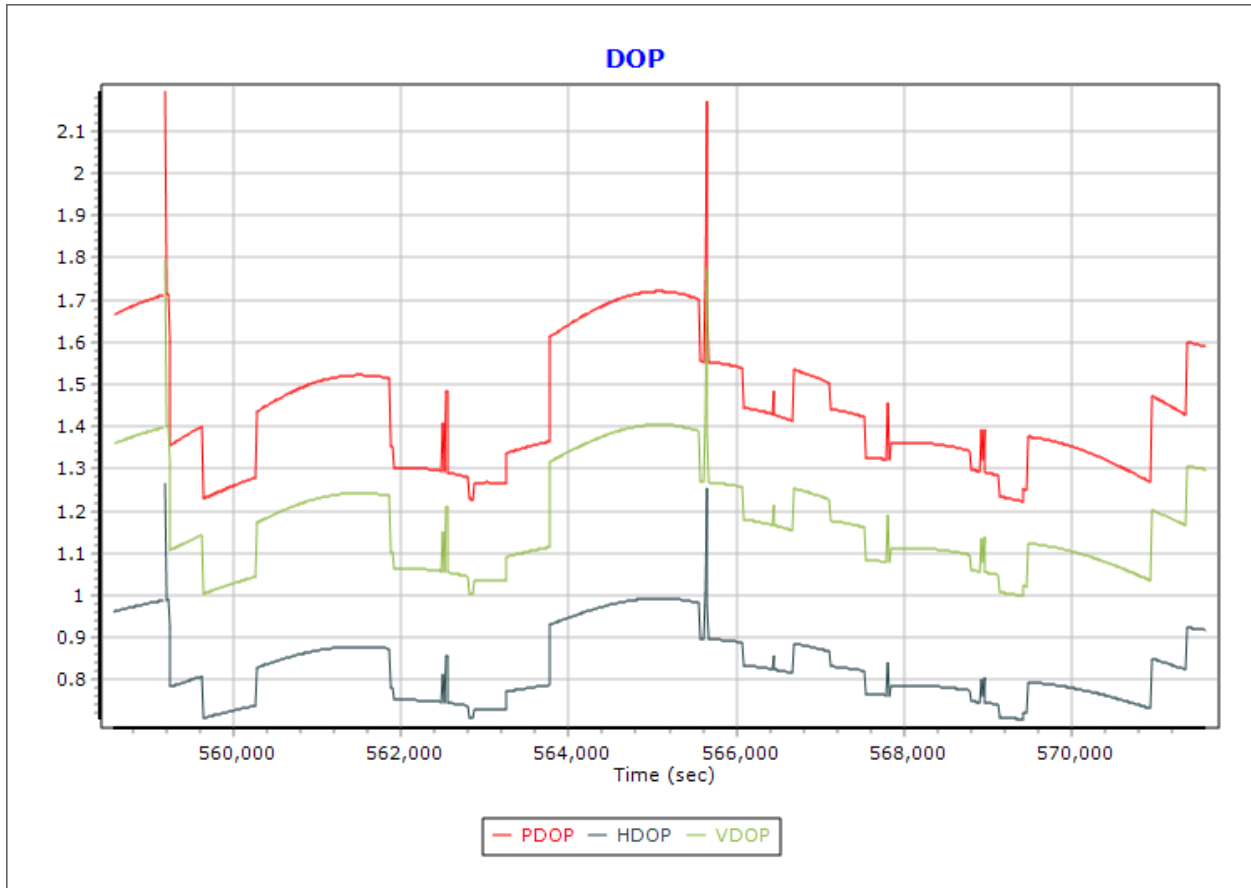


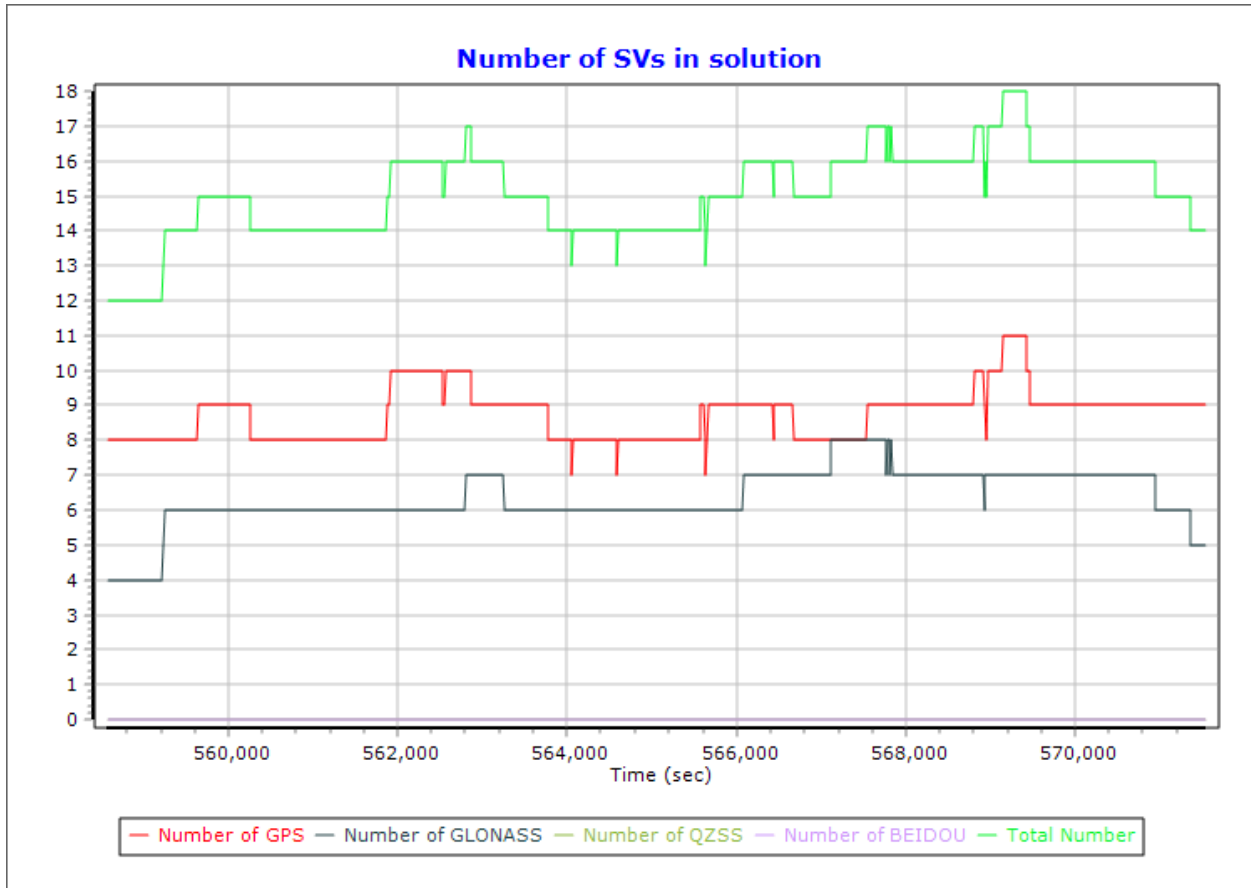












Processing Summary Information

Program: POSpac MMS
Version: 7.2.5934.15637
Project: \\sa\data\riegl\217001\20170304_SC_A\05_INS-GPS_PROC\01_POS\20170304_SC_A.pospac

Solution Type: In-Fusion SmartBase

Fixed: 13002 (99.99%)
Float: 0 (0.0%)
No Solution: 1 (0.01%)

Number of Epochs:

Total in .raw file: 13067
No processed position: 65

Fwd/Rev Separation RMS Values (m):

East: 0.004
North: 0.004
Height: 0.025

Fwd/Rev Sep. RMS for 25%-75% weighting (m): 4131 occurrences

East: 0.003
North: 0.003
Height: 0.019

Position Standard Deviation Percentages:

0.00 - 0.10 m: 100.0 %
0.10 - 0.30 m: 0.0 %
0.30 - 1.00 m: 0.0 %
1.00 - 5.00 m: 0.0 %
5.00 m + over: 0.0 %

Percentages of epochs with DD_DOP over 10.00: 0%

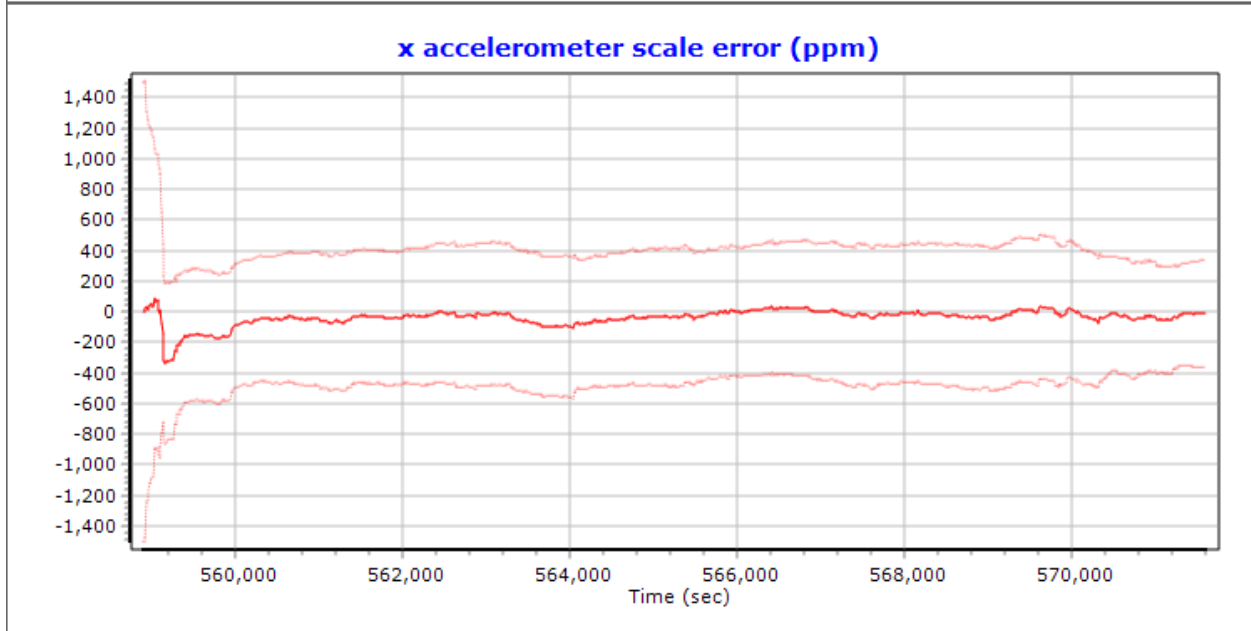
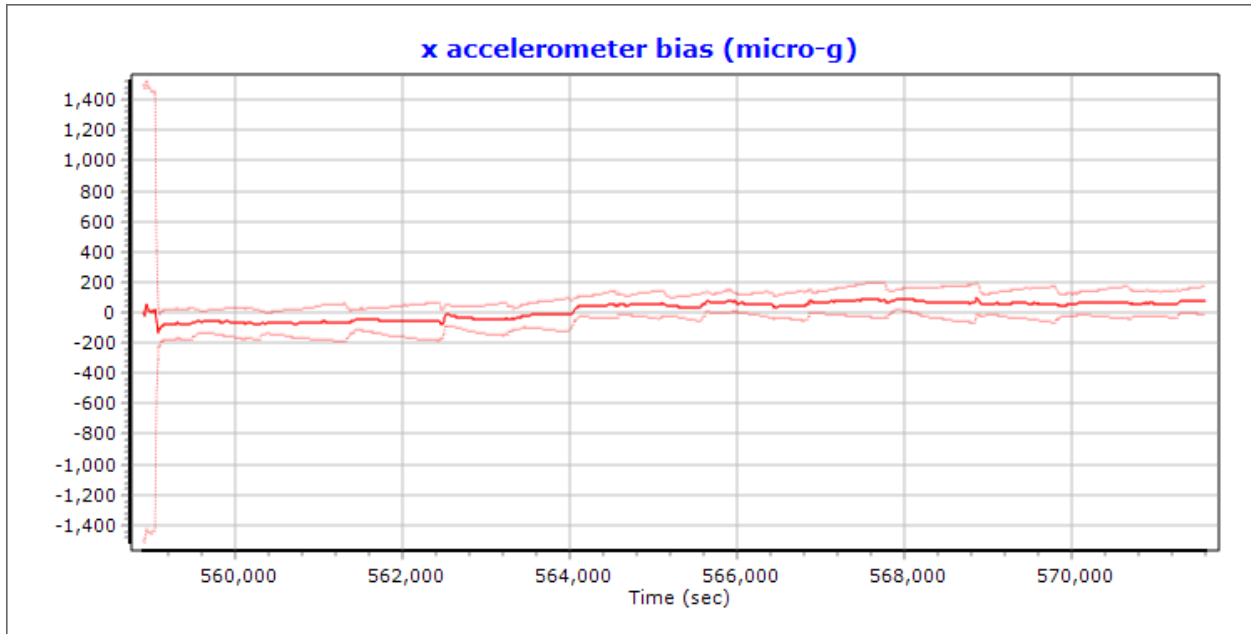
DOP over Tol: 1.42 %

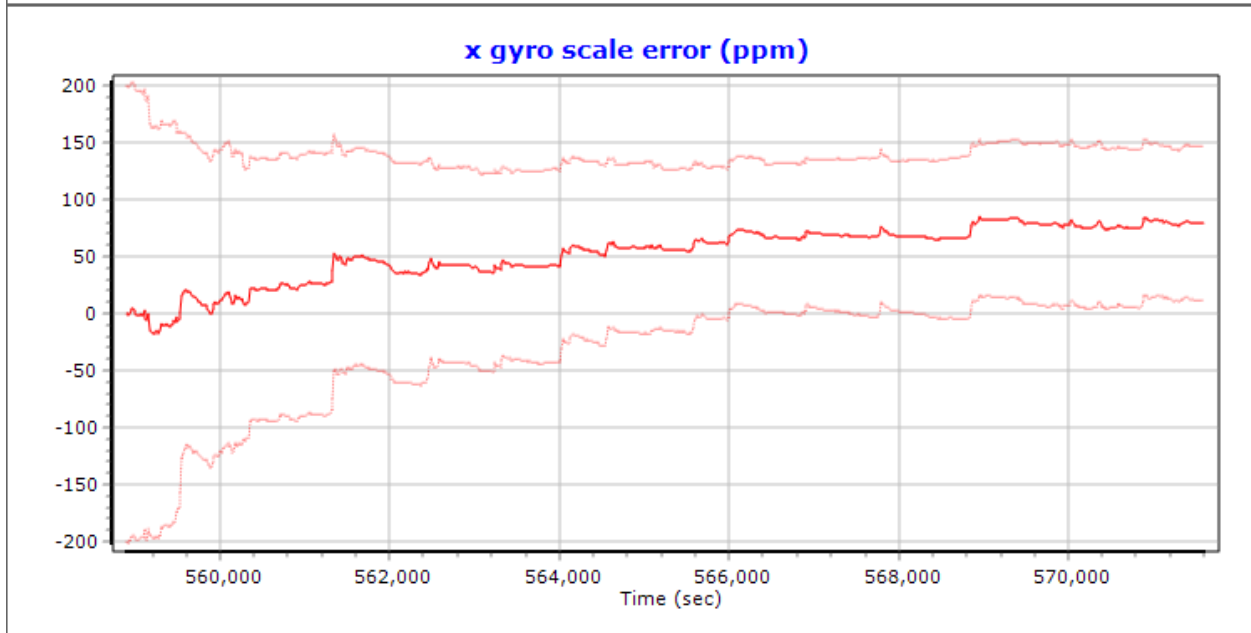
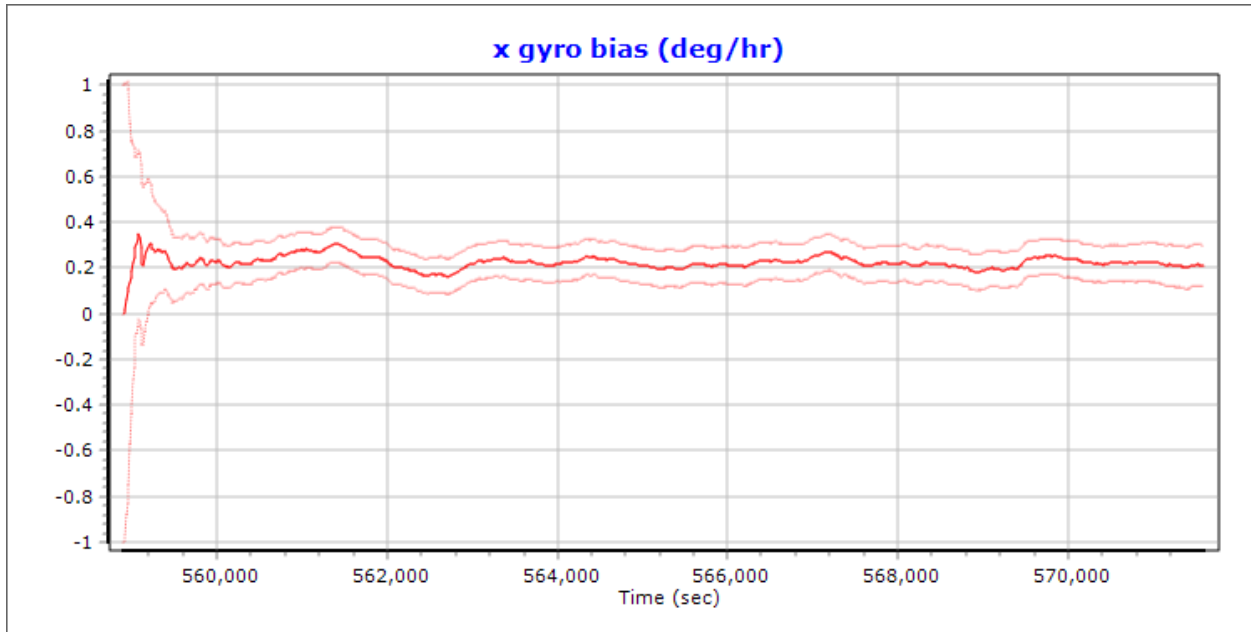
Baseline Distances (km):

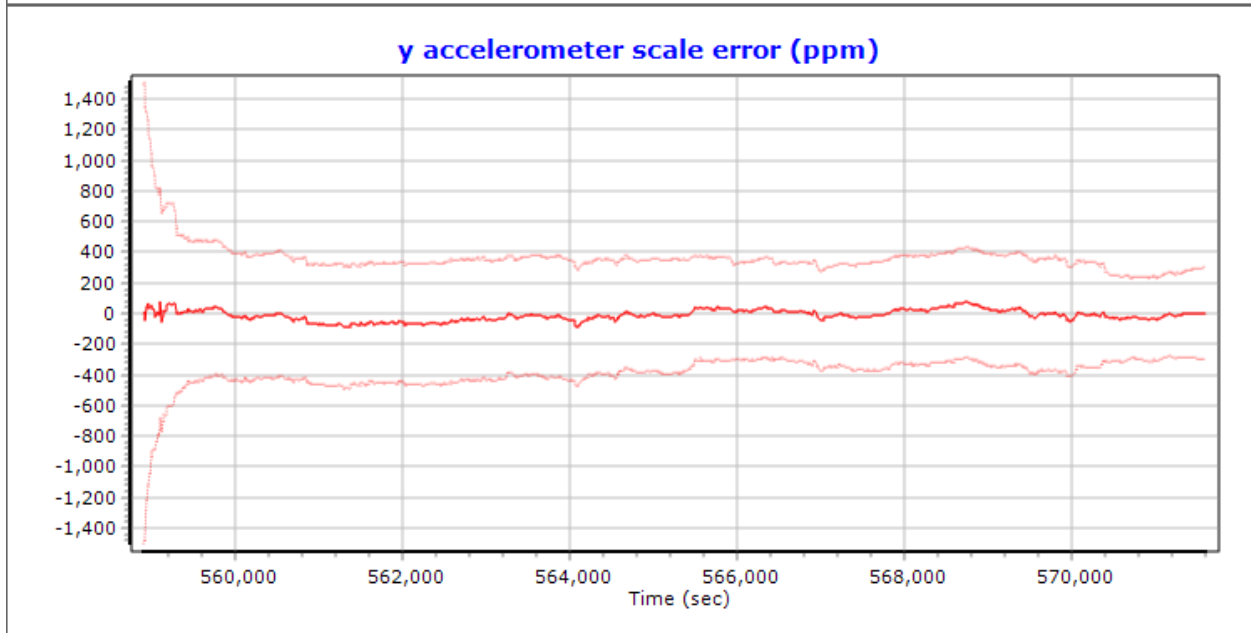
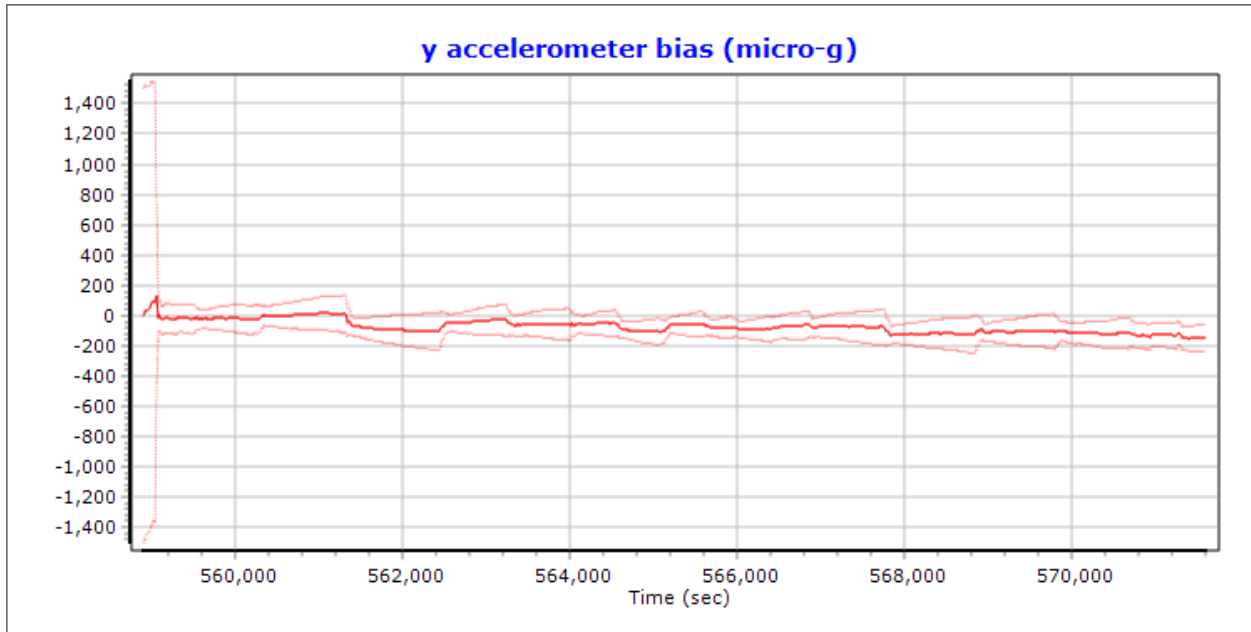
Maximum: 46.05
Minimum: 8.13
Average: 26.39
First Epoch: 37.540
Last Epoch: 37.445

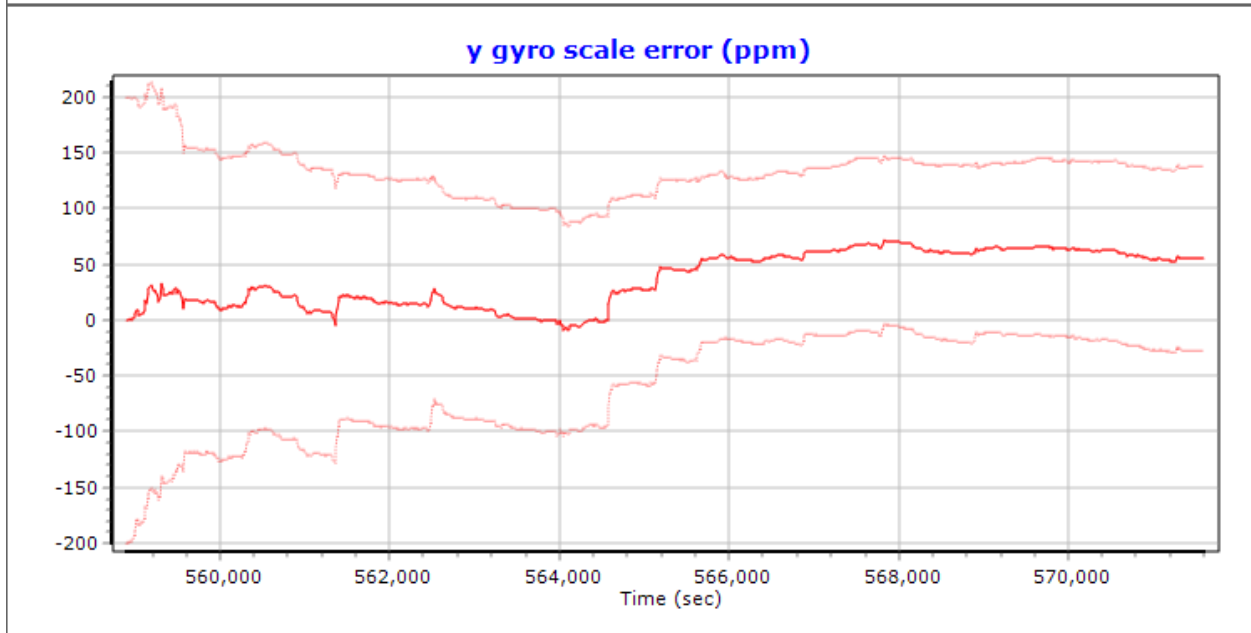
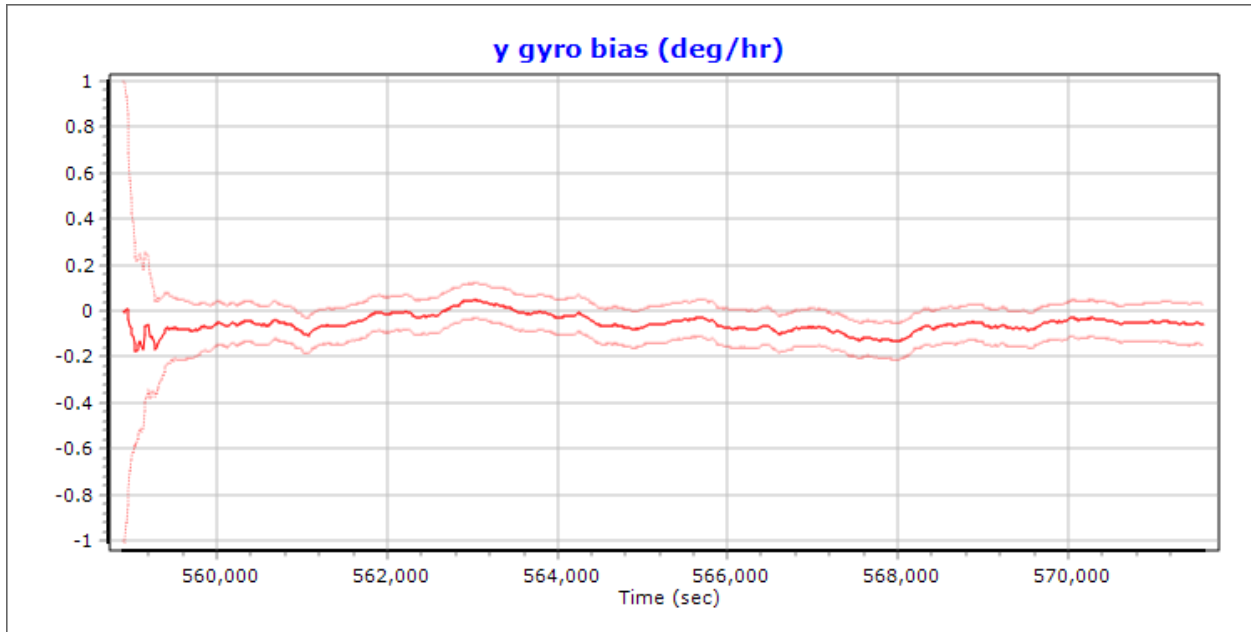
CORS Base Stations

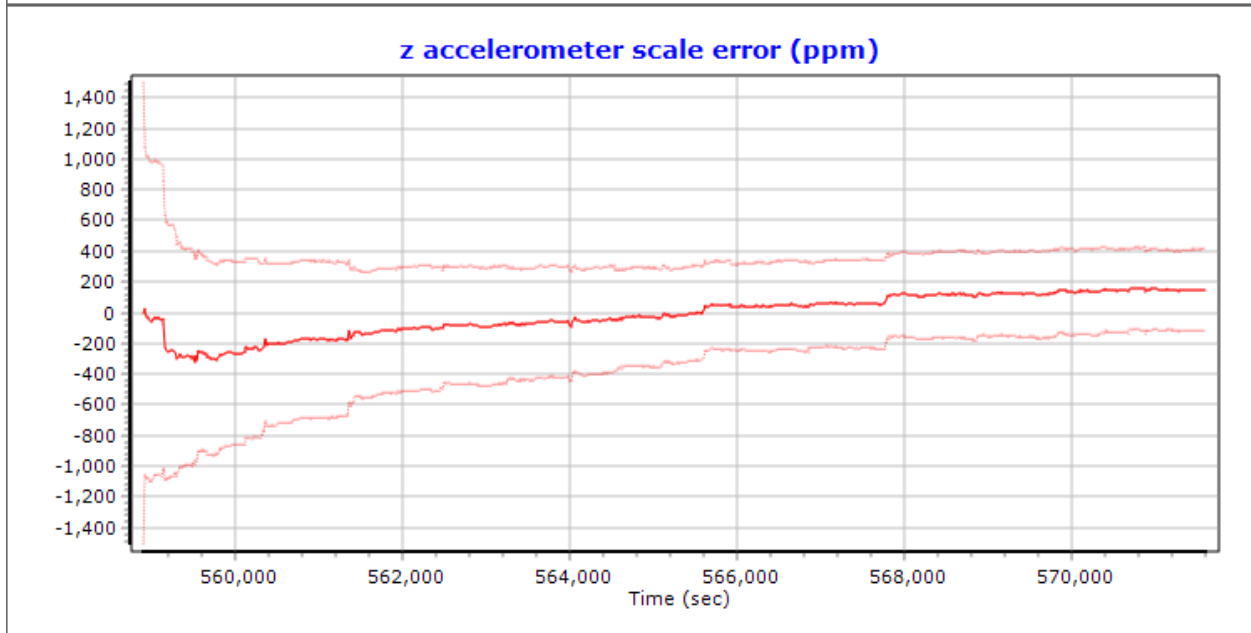
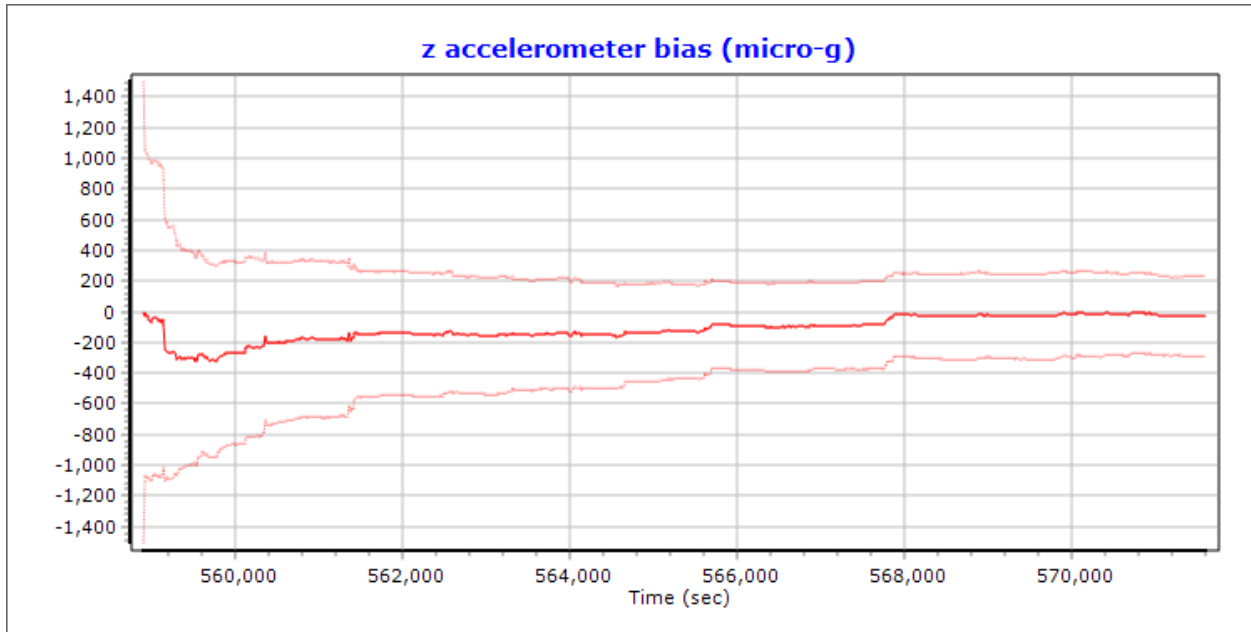
Station	Original (m)			Adjusted (m)		
	Latitude	Longitude	Altitude	Latitude	Longitude	Altitude
SCHA	N32°46'46.11669"	W79°55'31.31751"	-14.623	N32°46'46.11669"	W79°55'31.31751"	-14.624
SCWT	N32°54'12.37703"	W80°40'06.29559"	-3.409	N32°54'12.37703"	W80°40'06.29630"	-3.385
SCSR	N33°55'22.03580"	W80°20'26.60190"	35.145	N33°55'22.03611"	W80°20'26.60272"	35.154
SCHY	N33°56'23.76205"	W78°44'06.90329"	-17.463	N33°56'23.76228"	W78°44'06.90390"	-17.465
SCEB	N32°28'58.77962"	W80°19'55.92573"	-25.407	N32°28'58.77928"	W80°19'55.92583"	-25.398
NCWH	N34°16'49.61580"	W78°42'59.35208"	-3.762	N34°16'49.61615"	W78°42'59.35256"	-3.764
NCSL	N33°58'57.22690"	W78°23'24.32662"	-11.422	N33°58'57.22734"	W78°23'24.32726"	-11.435
NCLU	N34°37'36.36203"	W79°04'39.71601"	14.404	N34°37'36.36223"	W79°04'39.71653"	14.415
NCFF	N33°57'38.28701"	W77°56'18.78528"	-30.596	N33°57'38.28735"	W77°56'18.78567"	-30.605
COLA	N34°04'51.58332"	W81°07'18.03800"	81.574	N34°04'51.58312"	W81°07'18.03883"	81.612

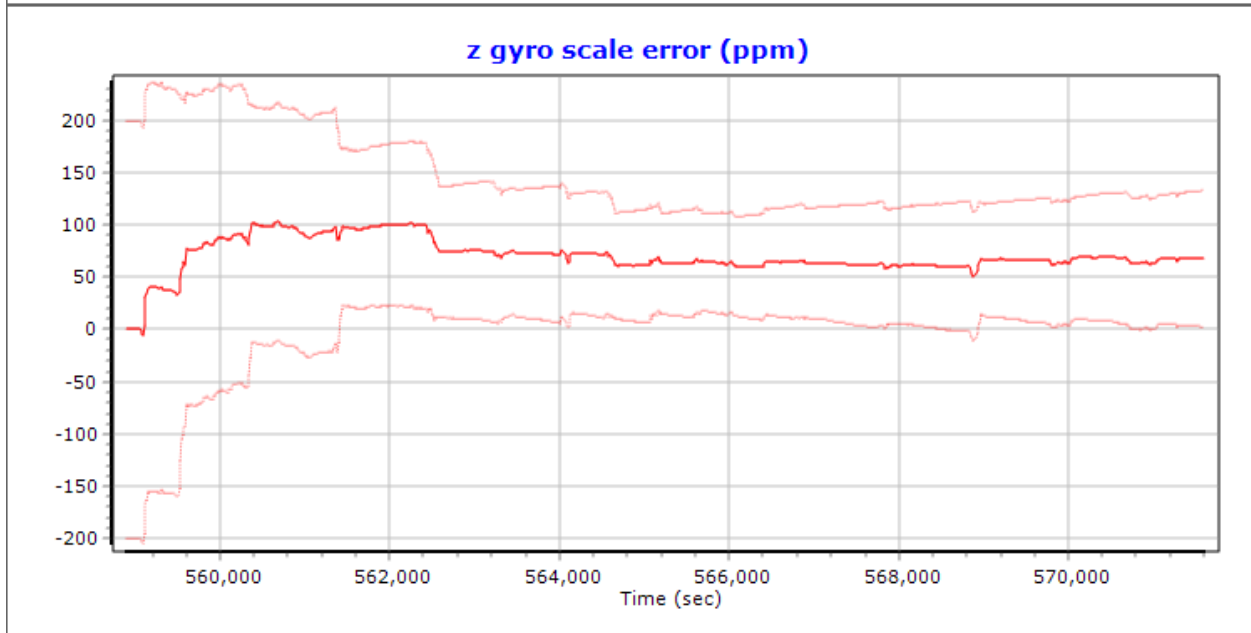
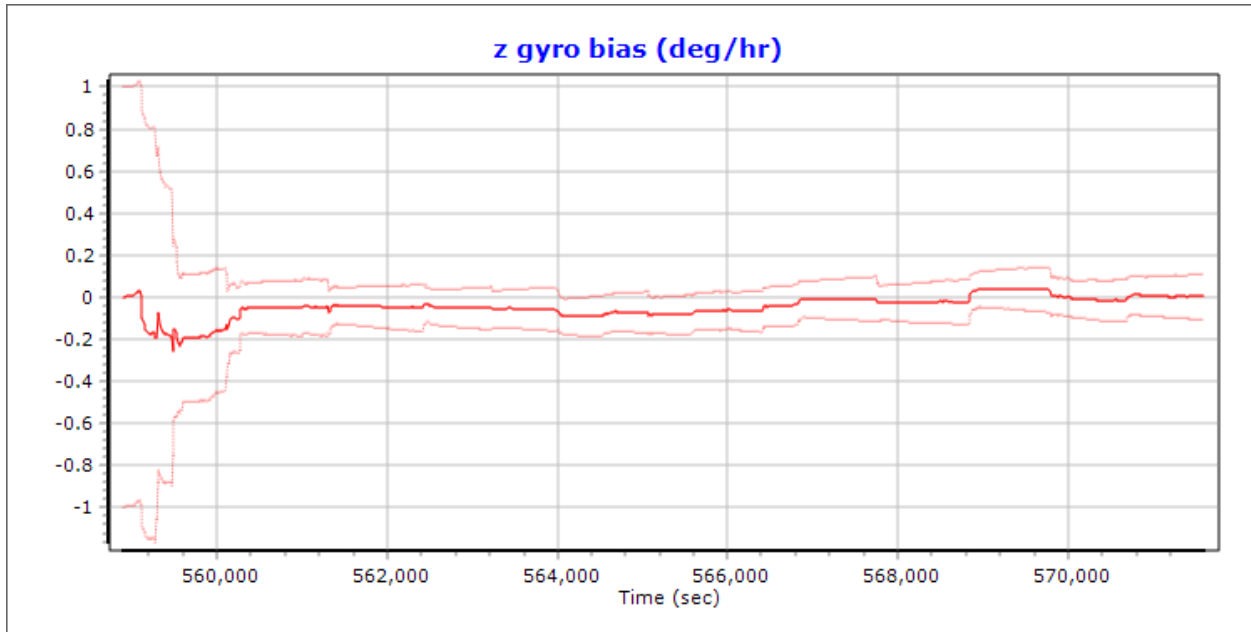


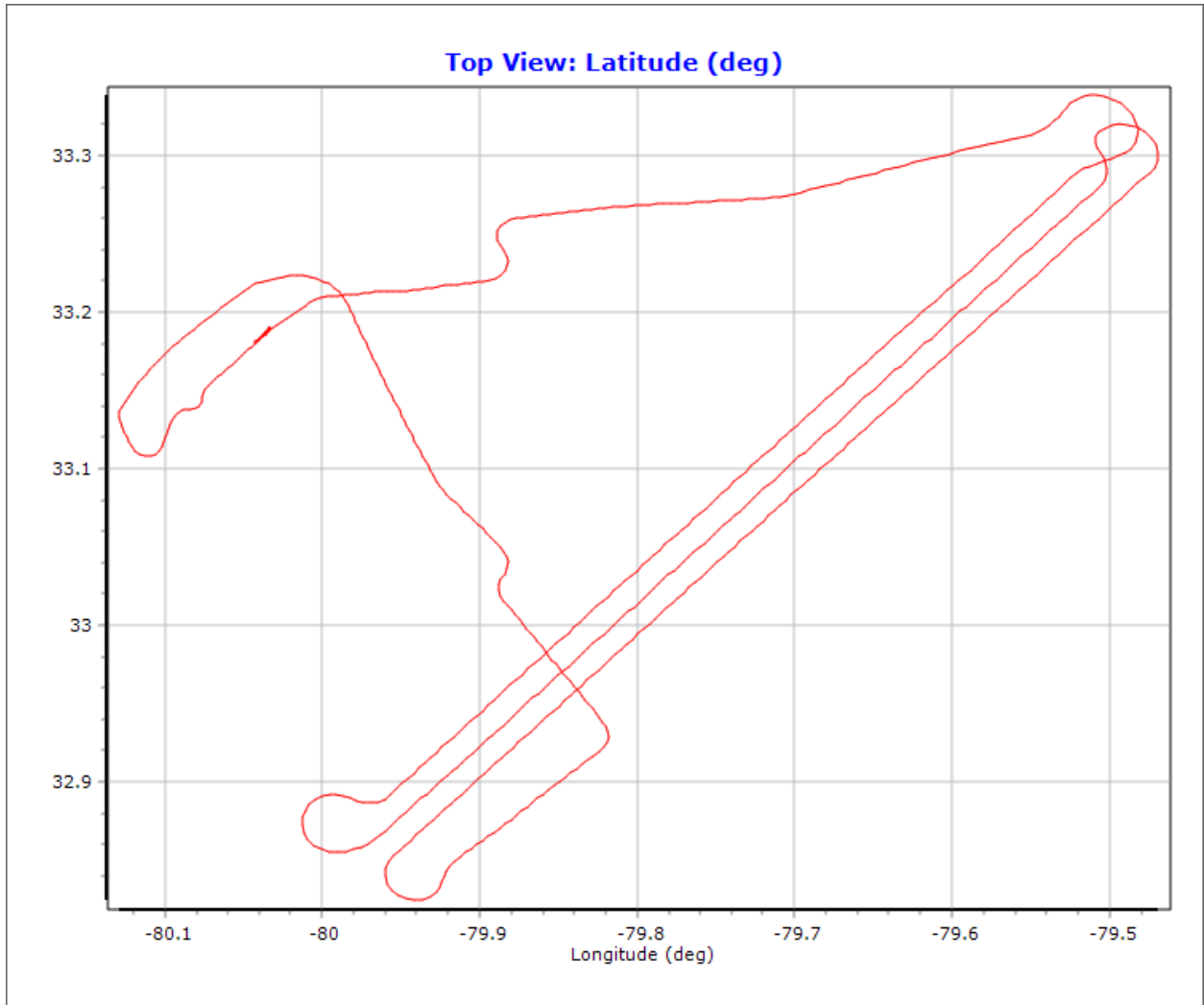


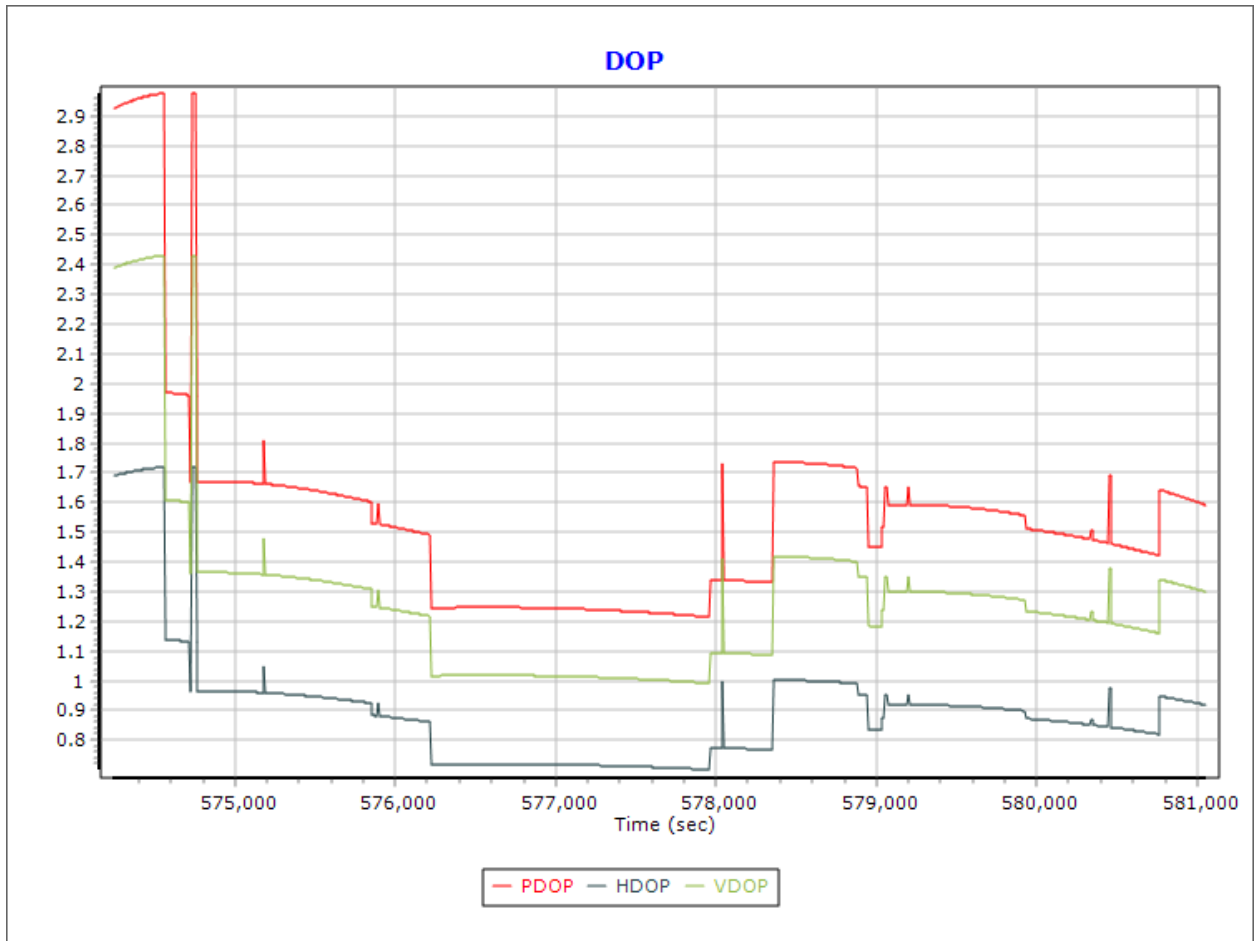


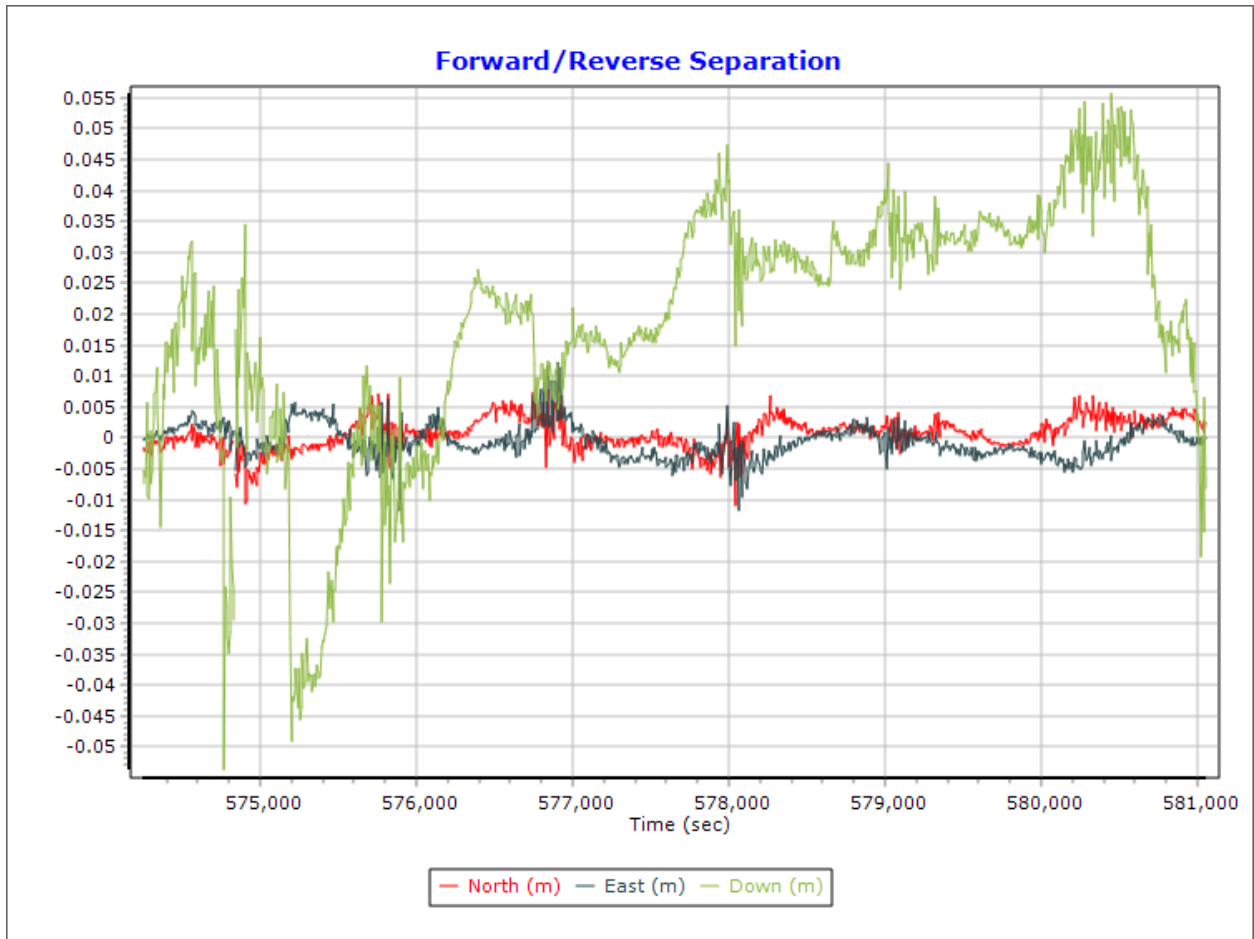


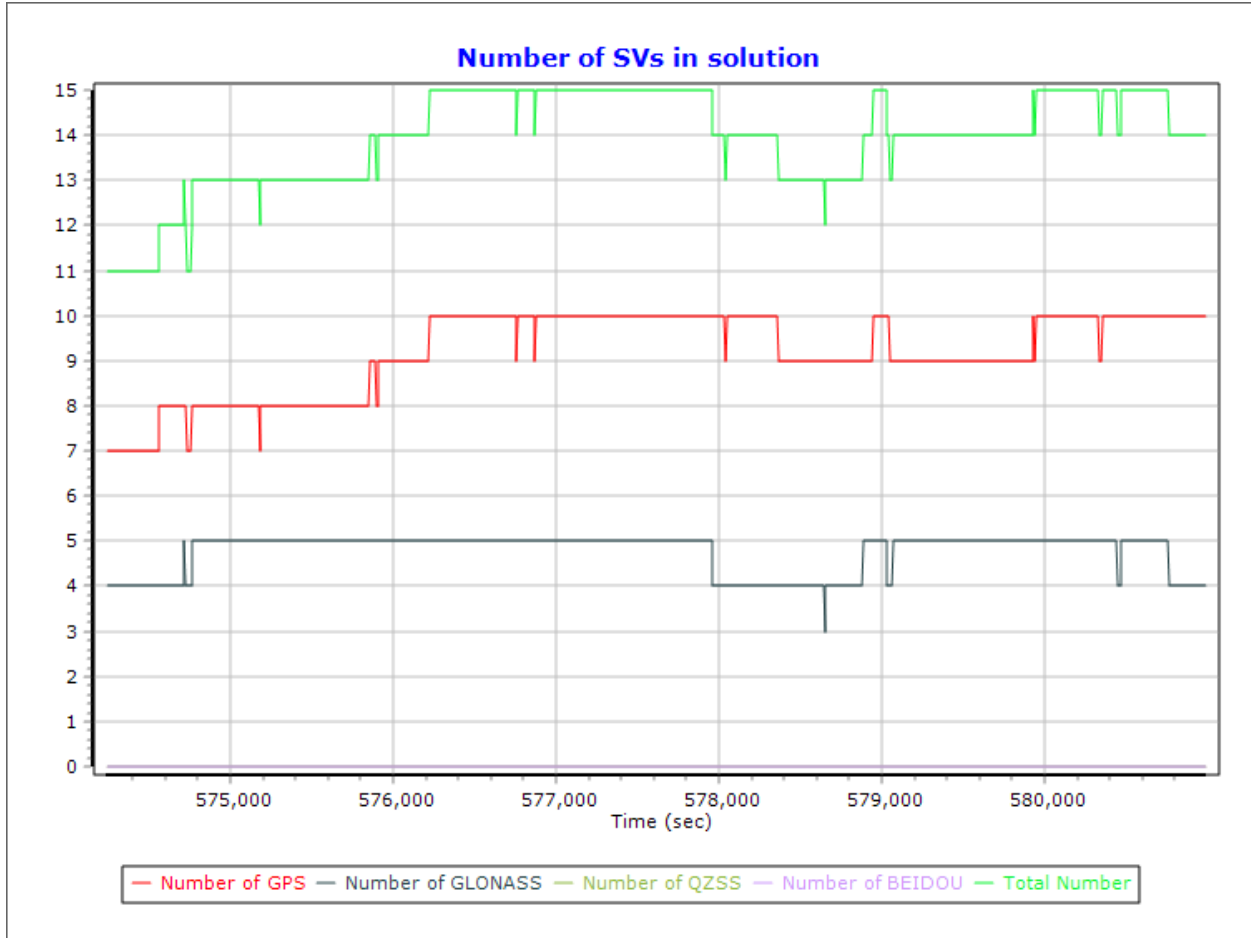












Processing Summary Information

Program: POSpac MMS
Version: 7.2.5934.15637
Project: \\sa\data\riegl\217001\20170304_SC_B\05_INS-GPS_PROC\01_POS\20170304_SC_B.pospac

Solution Type: In-Fusion SmartBase

Fixed: 6756 (99.99%)
Float: 0 (0.0%)
No Solution: 1 (0.01%)

Number of Epochs:

Total in .raw file: 6822
No processed position: 65

Fwd/Rev Separation RMS Values (m):

East: 0.003
North: 0.003
Height: 0.027

Fwd/Rev Sep. RMS for 25%-75% weighting (m): 3410 occurrences

East: 0.003
North: 0.003
Height: 0.025

Position Standard Deviation Percentages:

0.00 - 0.10 m: 100.0 %
0.10 - 0.30 m: 0.0 %
0.30 - 1.00 m: 0.0 %
1.00 - 5.00 m: 0.0 %
5.00 m + over: 0.0 %

Percentages of epochs with DD_DOP over 10.00: 0%

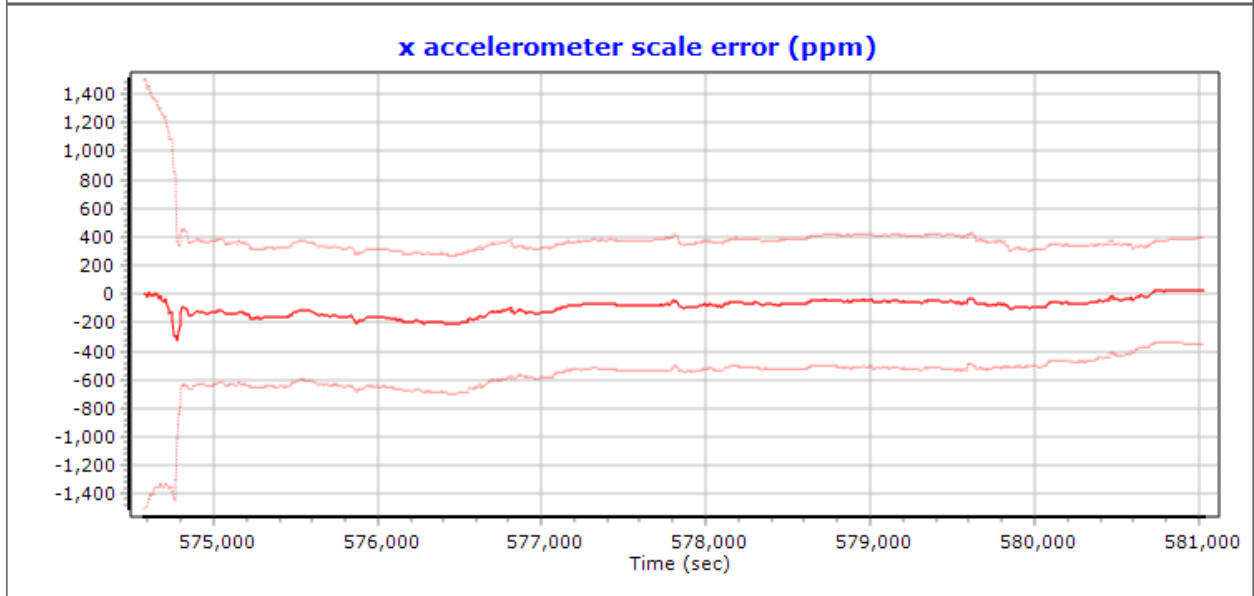
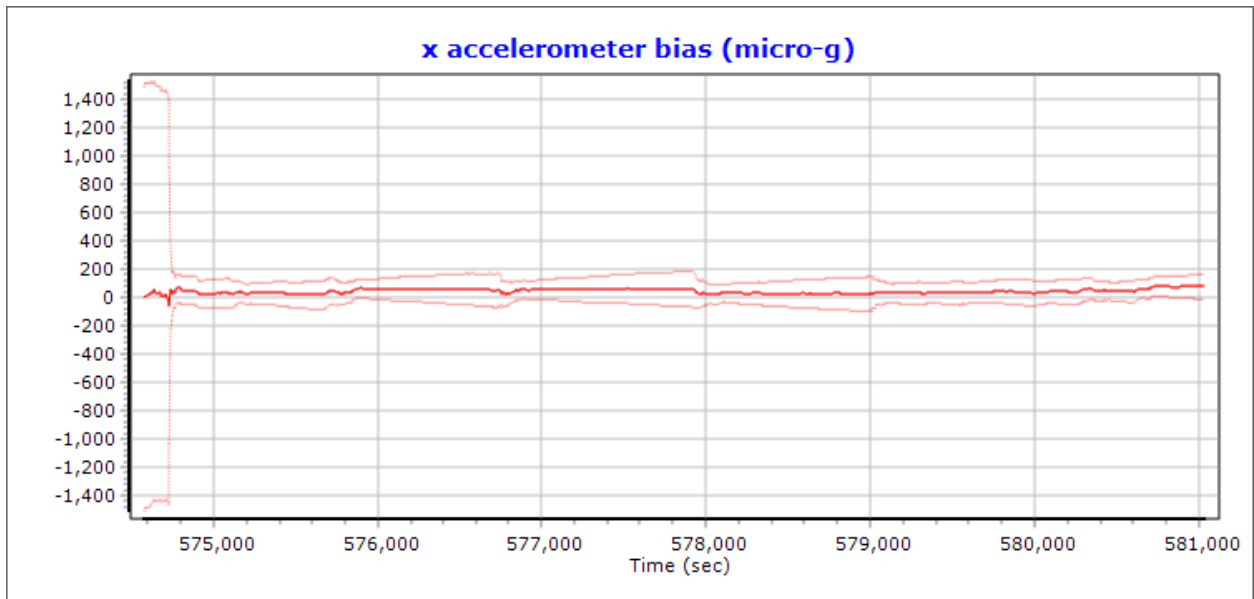
DOP over Tol: 1.57 %

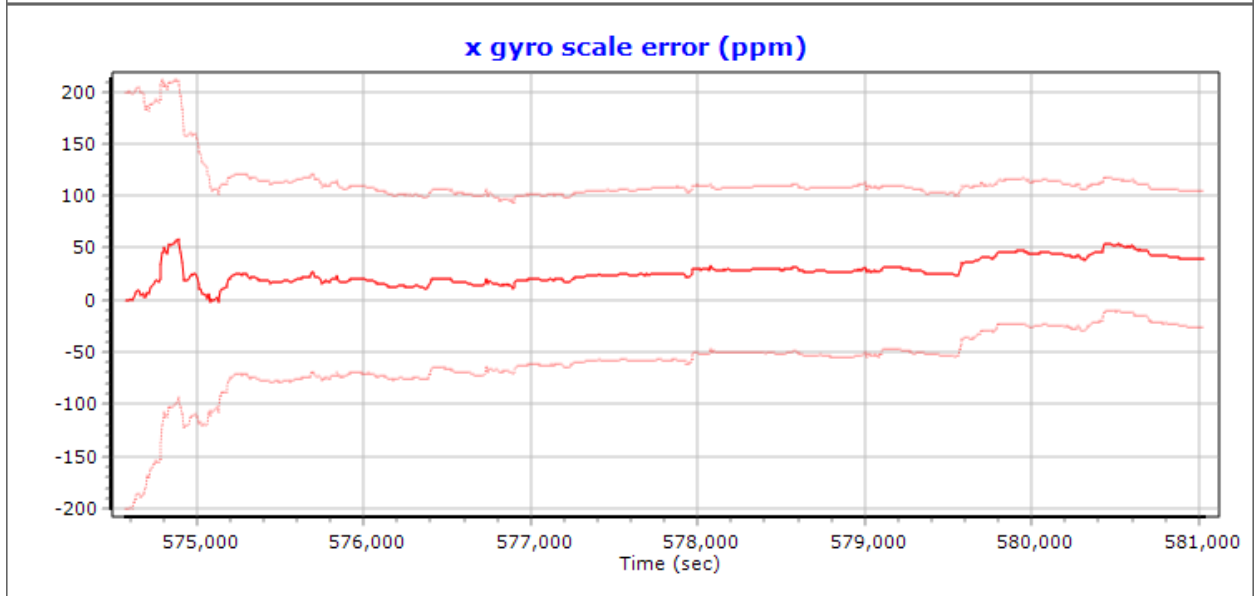
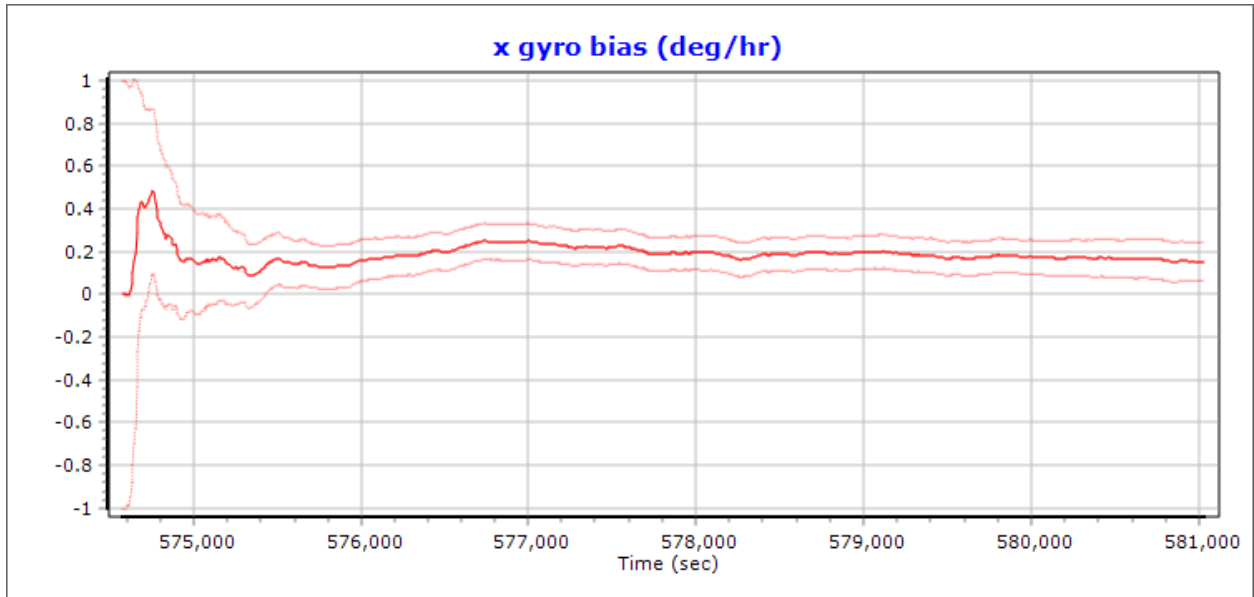
Baseline Distances (km):

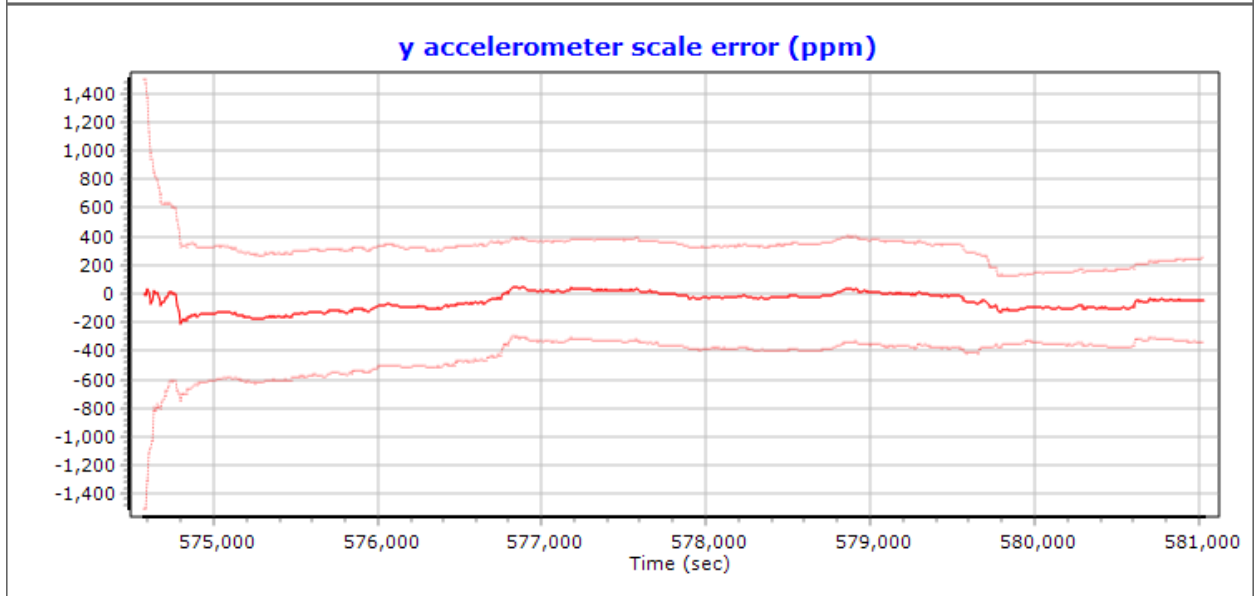
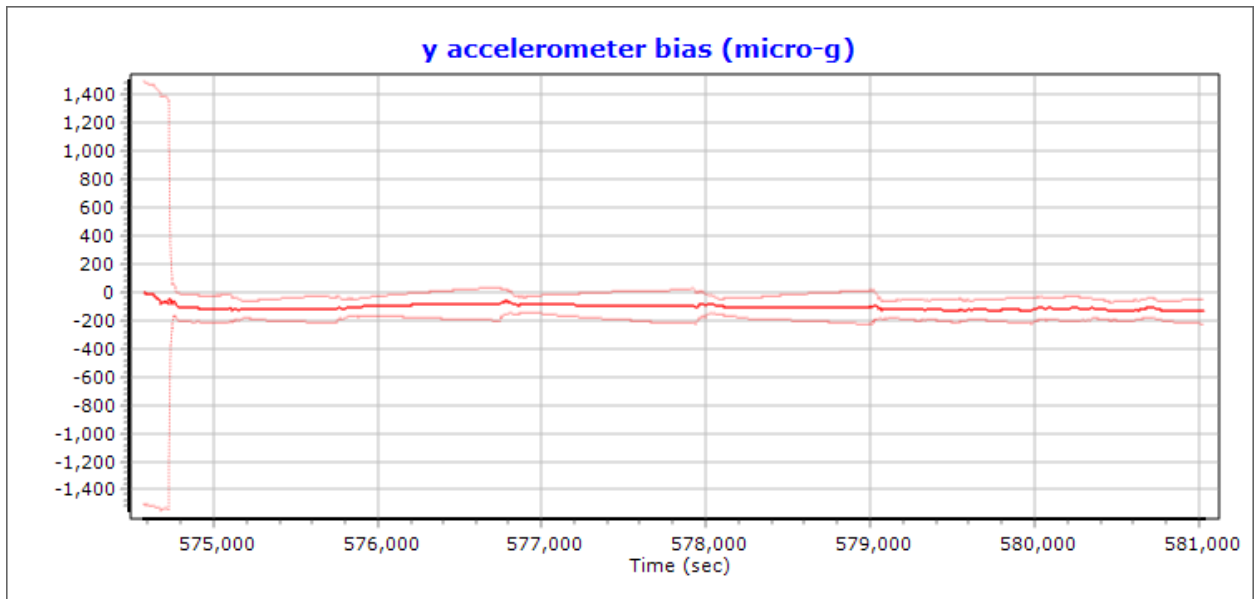
Maximum: 40.00
Minimum: 8.62
Average: 21.26
First Epoch: 19.890
Last Epoch: 19.875

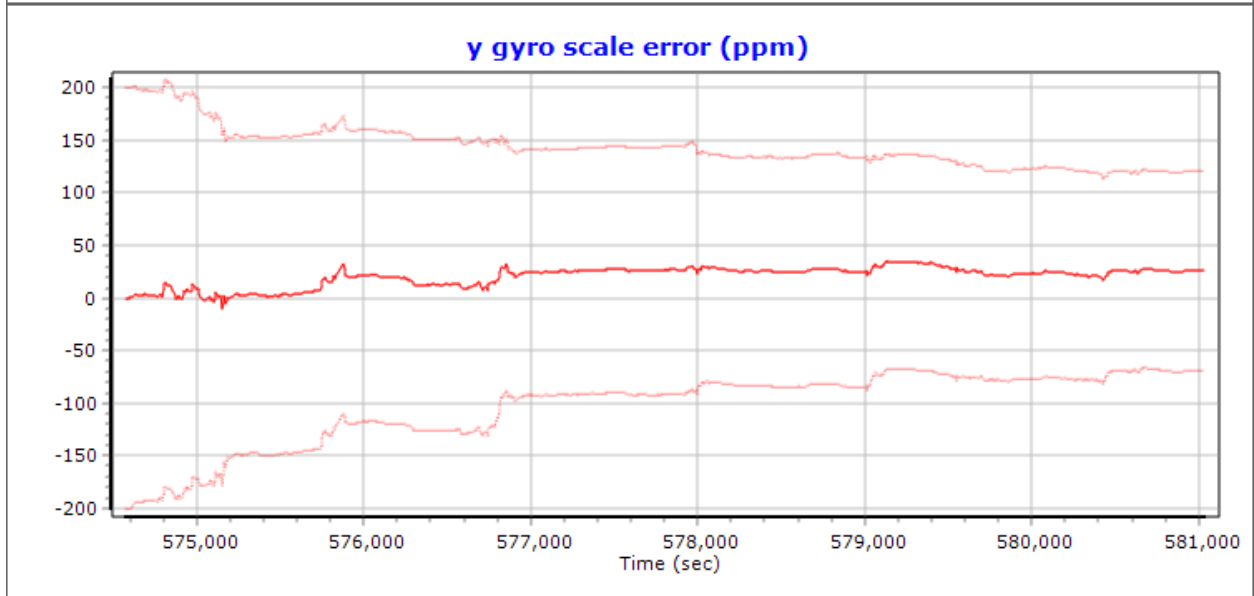
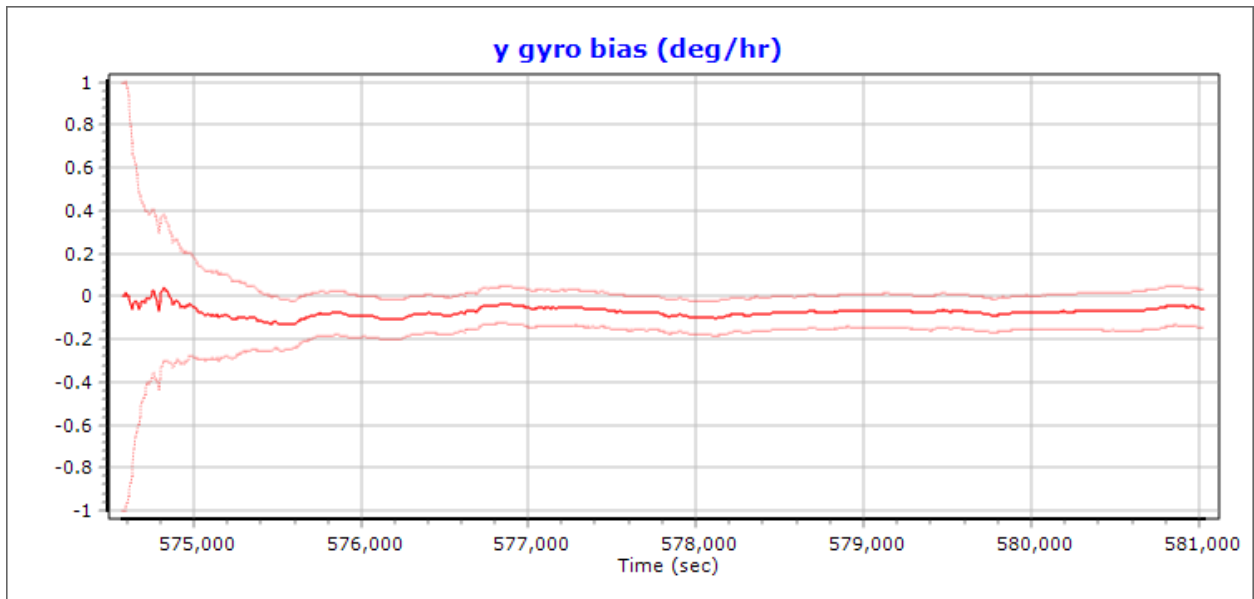
CORS Base Stations

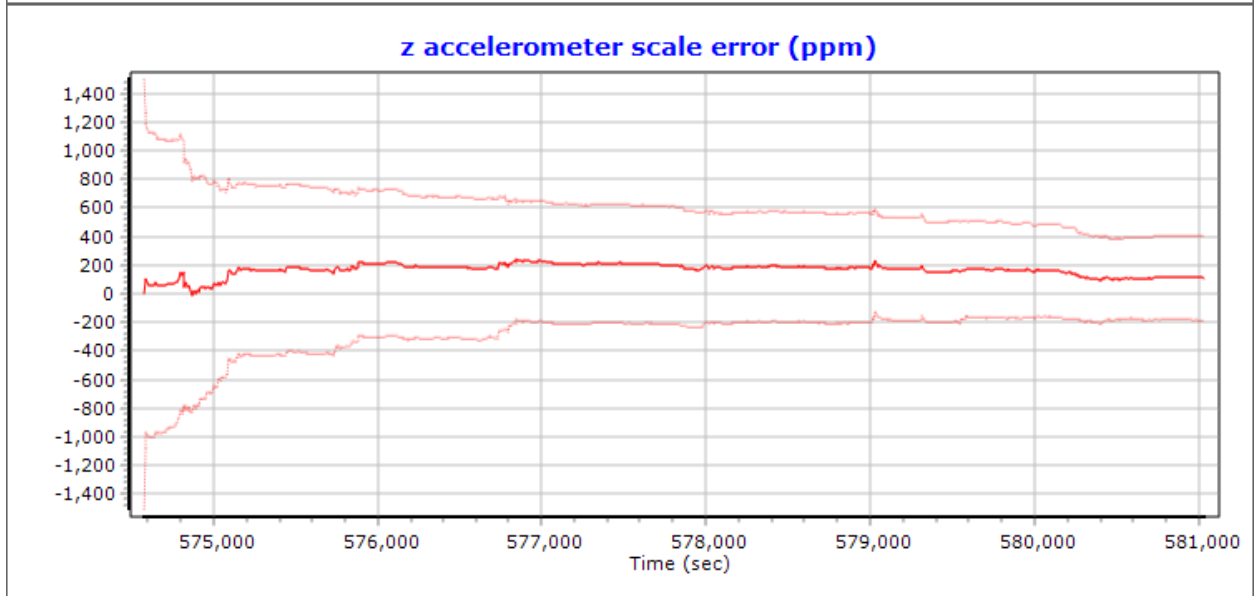
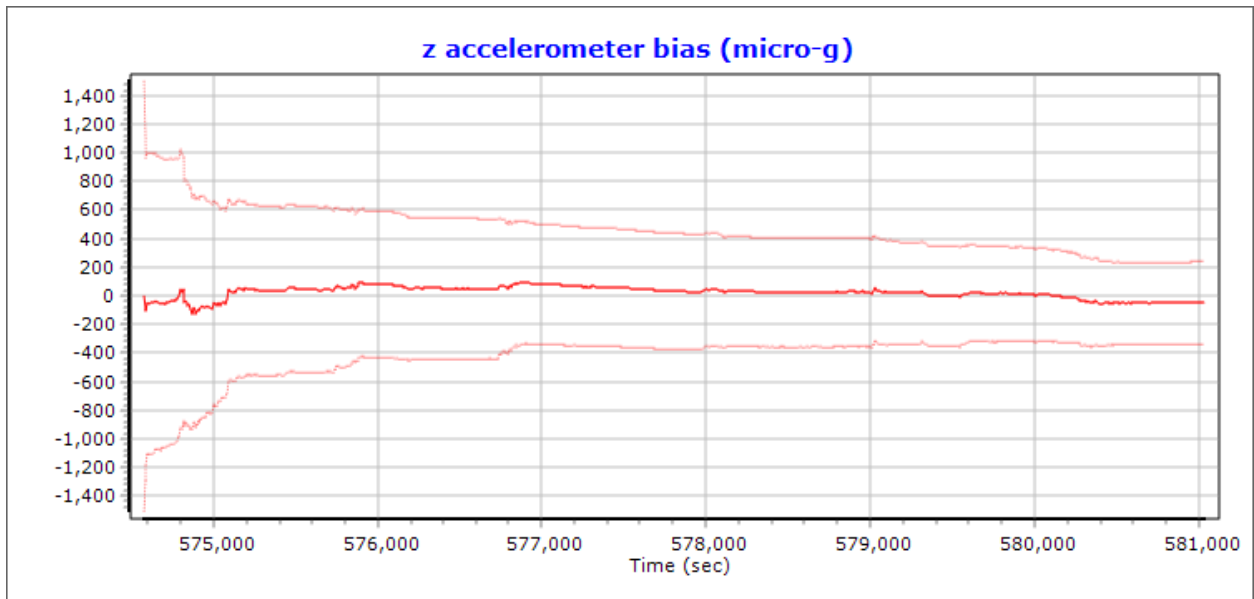
Station	Original (m)			Adjusted (m)		
	Latitude	Longitude	Altitude	Latitude	Longitude	Altitude
SCWT	N32°54'12.37703"	W80°40'06.29559"	-3.409	N32°54'12.37686"	W80°40'06.29587"	-3.39
SCSR	N33°55'22.03580"	W80°20'26.60190"	35.145	N33°55'22.03594"	W80°20'26.60228"	35.148
SCHY	N33°56'23.76205"	W78°44'06.90329"	-17.463	N33°56'23.76211"	W78°44'06.90346"	-17.47
SCHA	N32°46'46.11651"	W79°55'31.31707"	-14.629	N32°46'46.11651"	W79°55'31.31707"	-14.629
SCEB	N32°28'58.77962"	W80°19'55.92573"	-25.407	N32°28'58.77911"	W80°19'55.92540"	-25.404
NCWH	N34°16'49.61580"	W78°42'59.35208"	-3.762	N34°16'49.61597"	W78°42'59.35212"	-3.769
NCSL	N33°58'57.22690"	W78°23'24.32662"	-11.422	N33°58'57.22716"	W78°23'24.32682"	-11.44
NCLU	N34°37'36.36203"	W79°04'39.71601"	14.404	N34°37'36.36206"	W79°04'39.71609"	14.41
NCFE	N33°57'38.28701"	W77°56'18.78528"	-30.596	N33°57'38.28717"	W77°56'18.78523"	-30.609
COLA	N34°04'51.58332"	W81°07'18.03800"	81.574	N34°04'51.58296"	W81°07'18.03839"	81.607

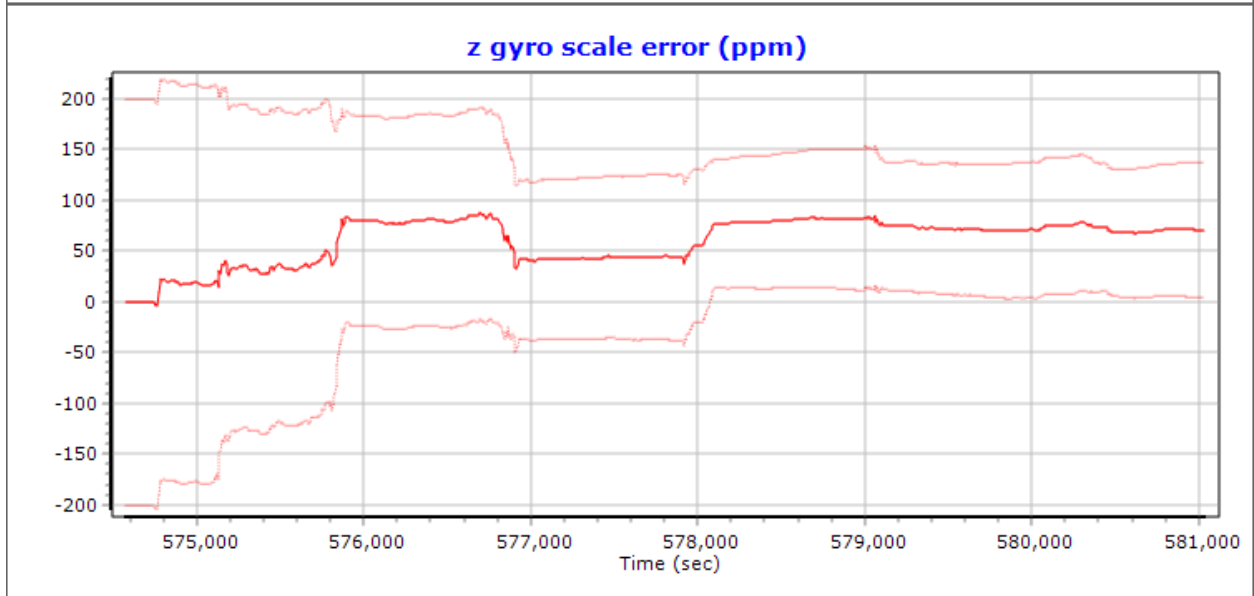
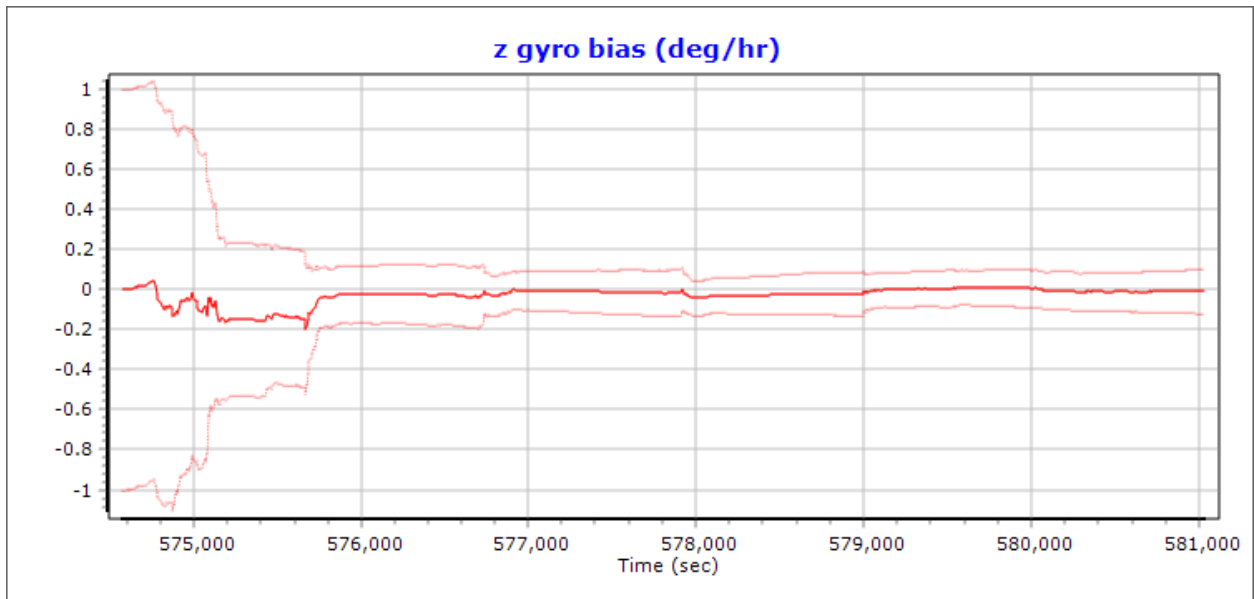


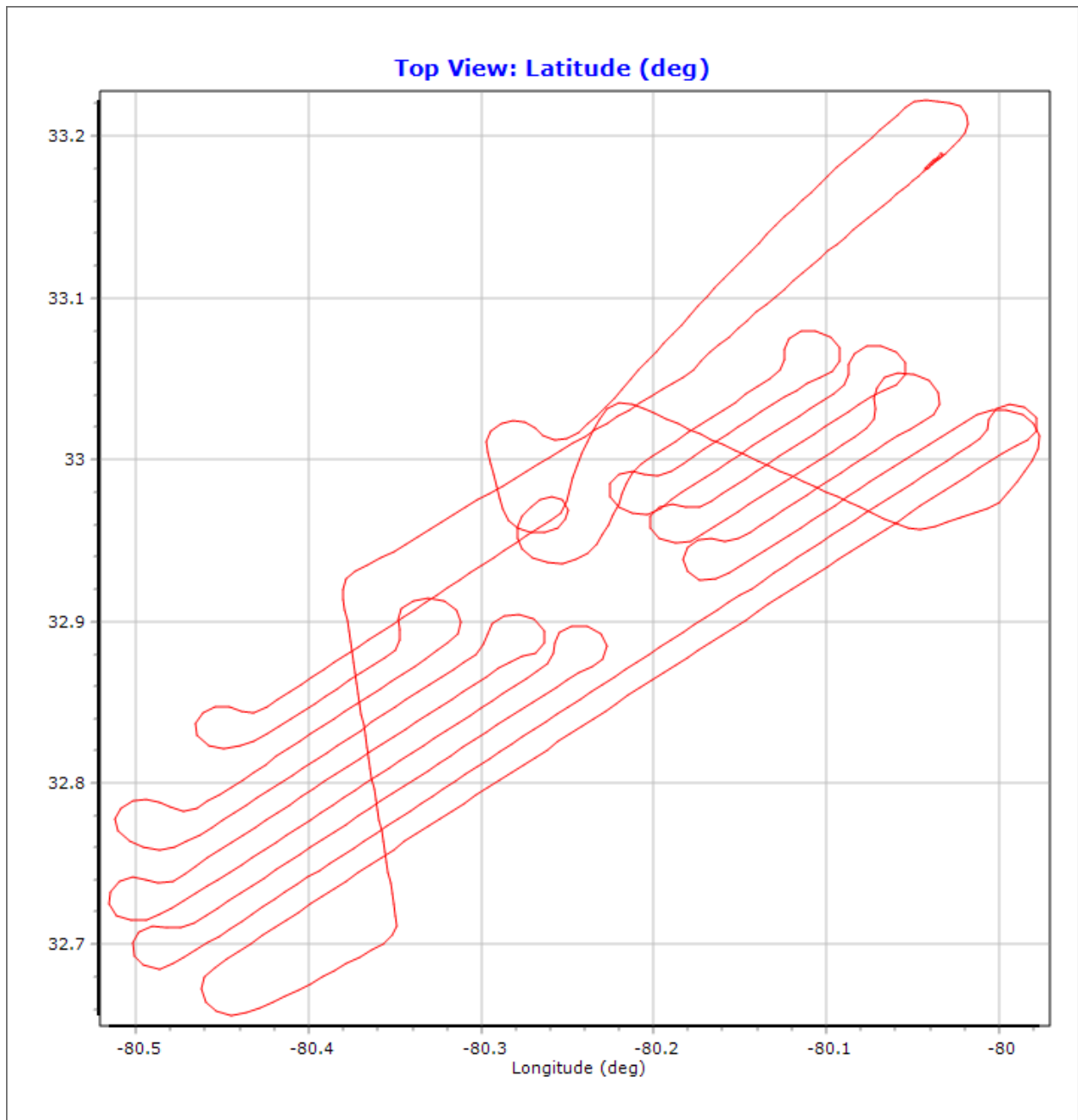


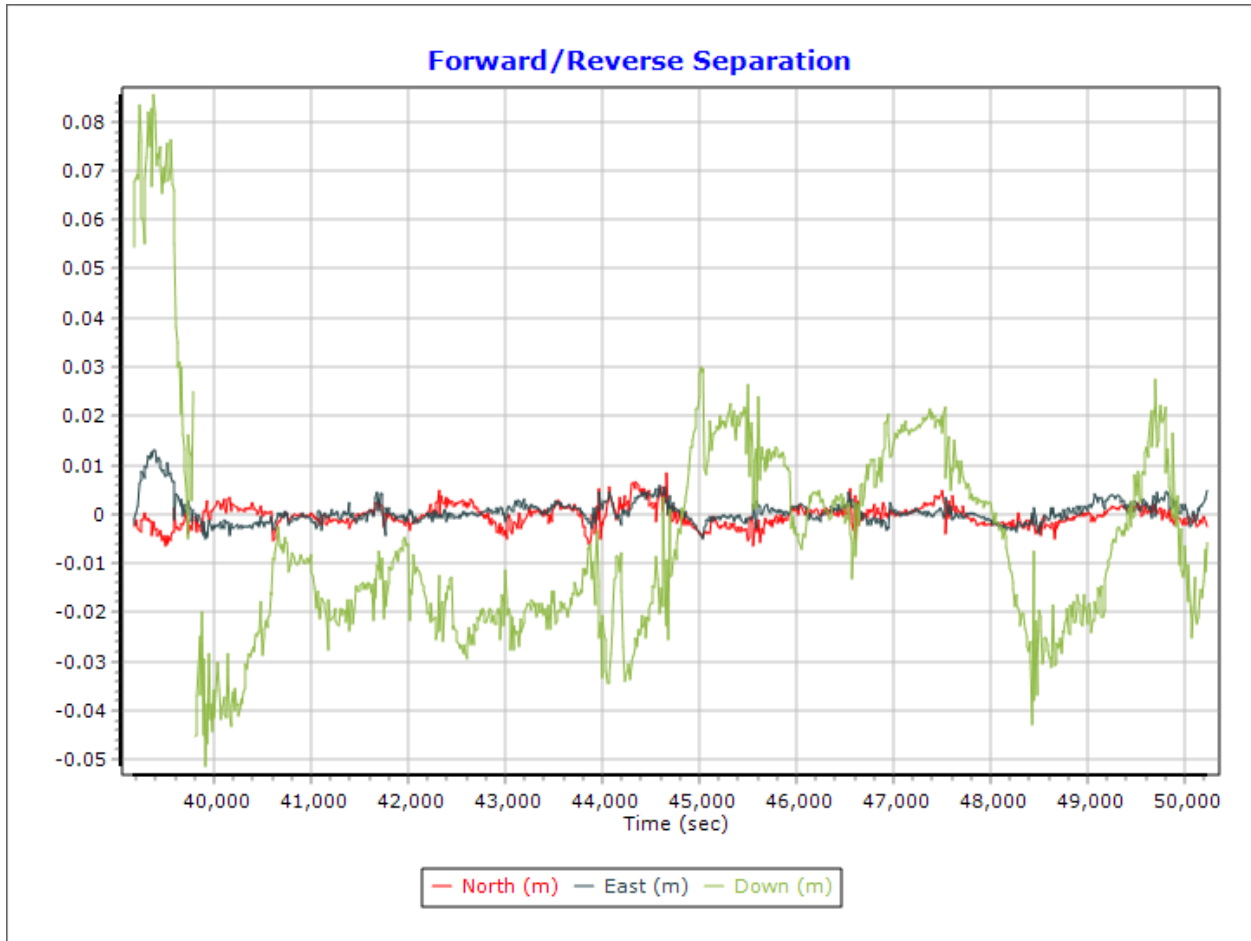


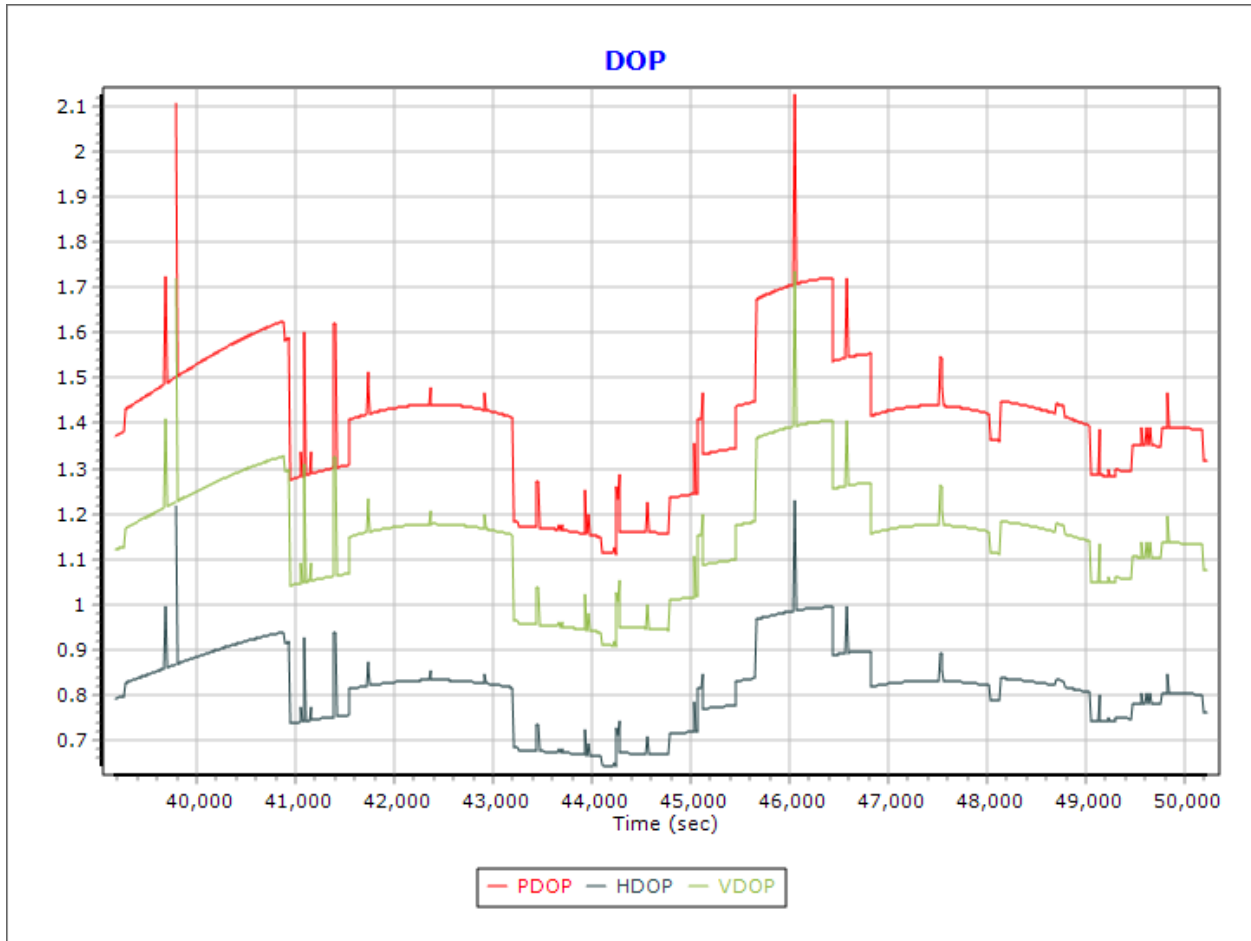


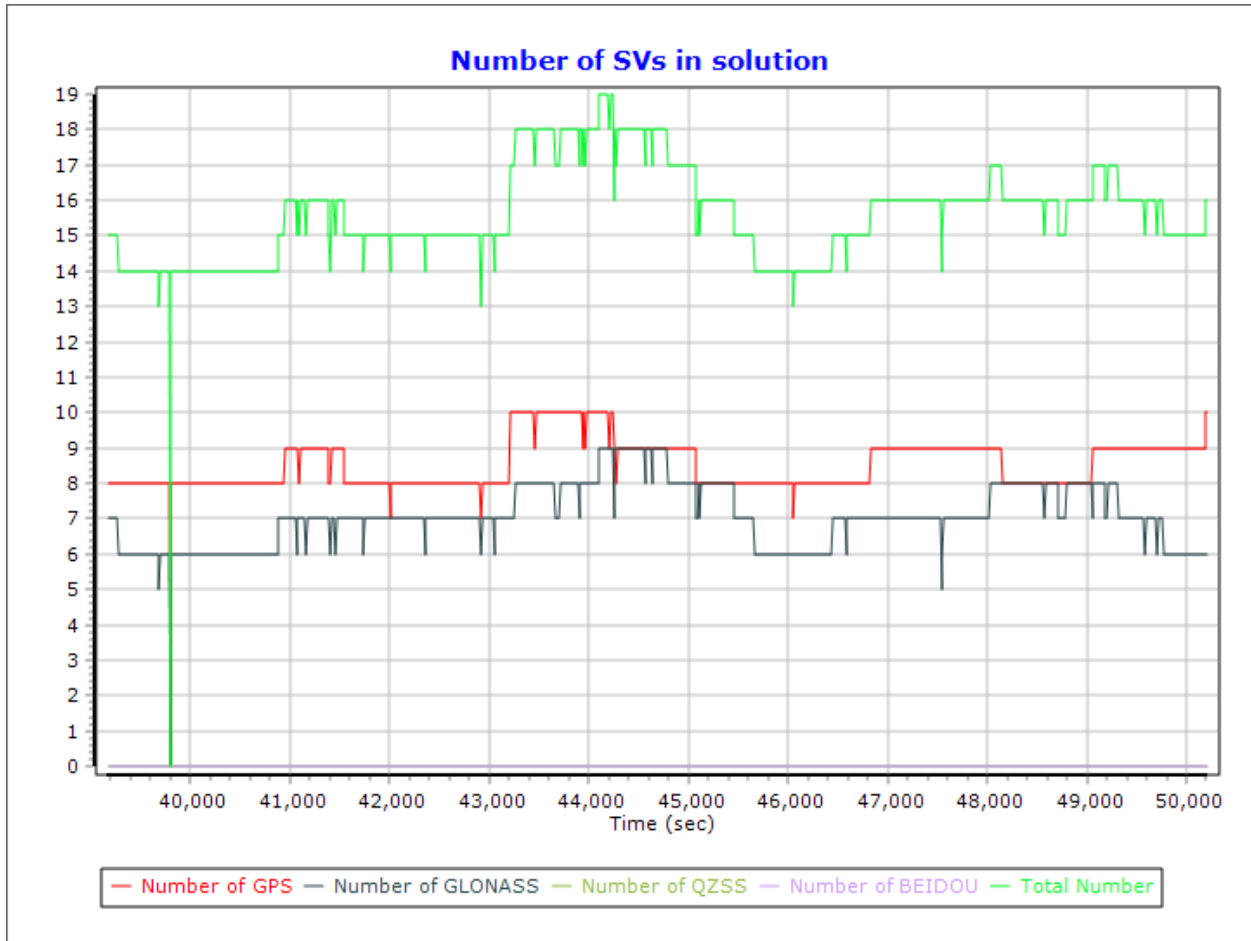












Processing Summary Information

Program: POSpac MMS
 Version: 7.2.5934.15637
 Project: \\sa\data\riegl\217001\20170304_SC_B\05_INS-GPS_PROC\01_POS\20170304_SC_B.pospac

Solution Type: In-Fusion SmartBase

Fixed: 6756 (99.99%)
 Float: 0 (0.0%)
 No Solution: 1 (0.01%)

Number of Epochs:

Total in .raw file: 6822
 No processed position: 65

Fwd/Rev Separation RMS Values (m):

East: 0.003
North: 0.003
Height: 0.027

Fwd/Rev Sep. RMS for 25%-75% weighting (m): 3410 occurrences

East: 0.003
North: 0.003
Height: 0.025

Position Standard Deviation Percentages:

0.00 - 0.10 m: 100.0 %
0.10 - 0.30 m: 0.0 %
0.30 - 1.00 m: 0.0 %
1.00 - 5.00 m: 0.0 %
5.00 m + over: 0.0 %

Percentages of epochs with DD_DOP over 10.00: 0%

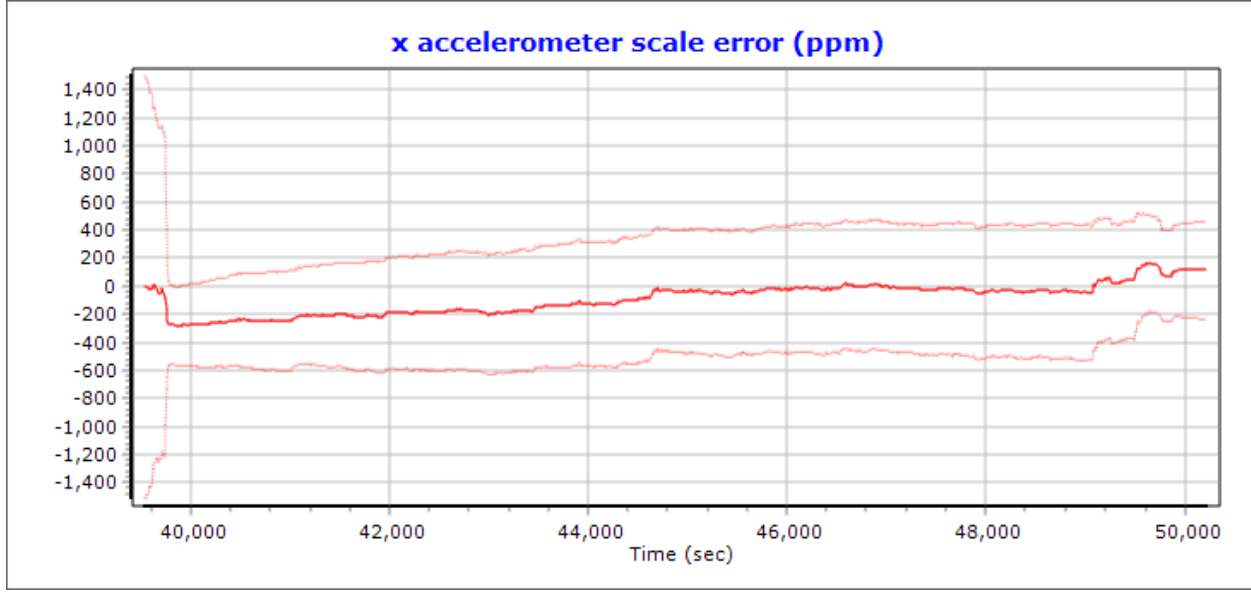
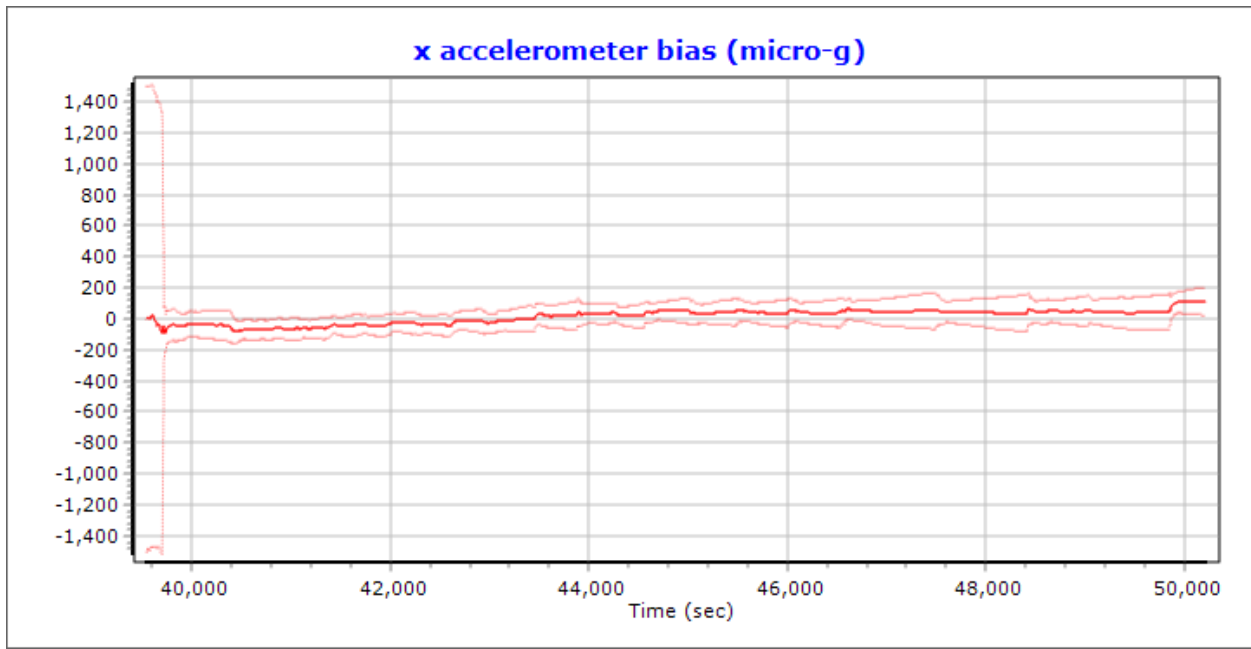
DOP over Tol: 1.57 %

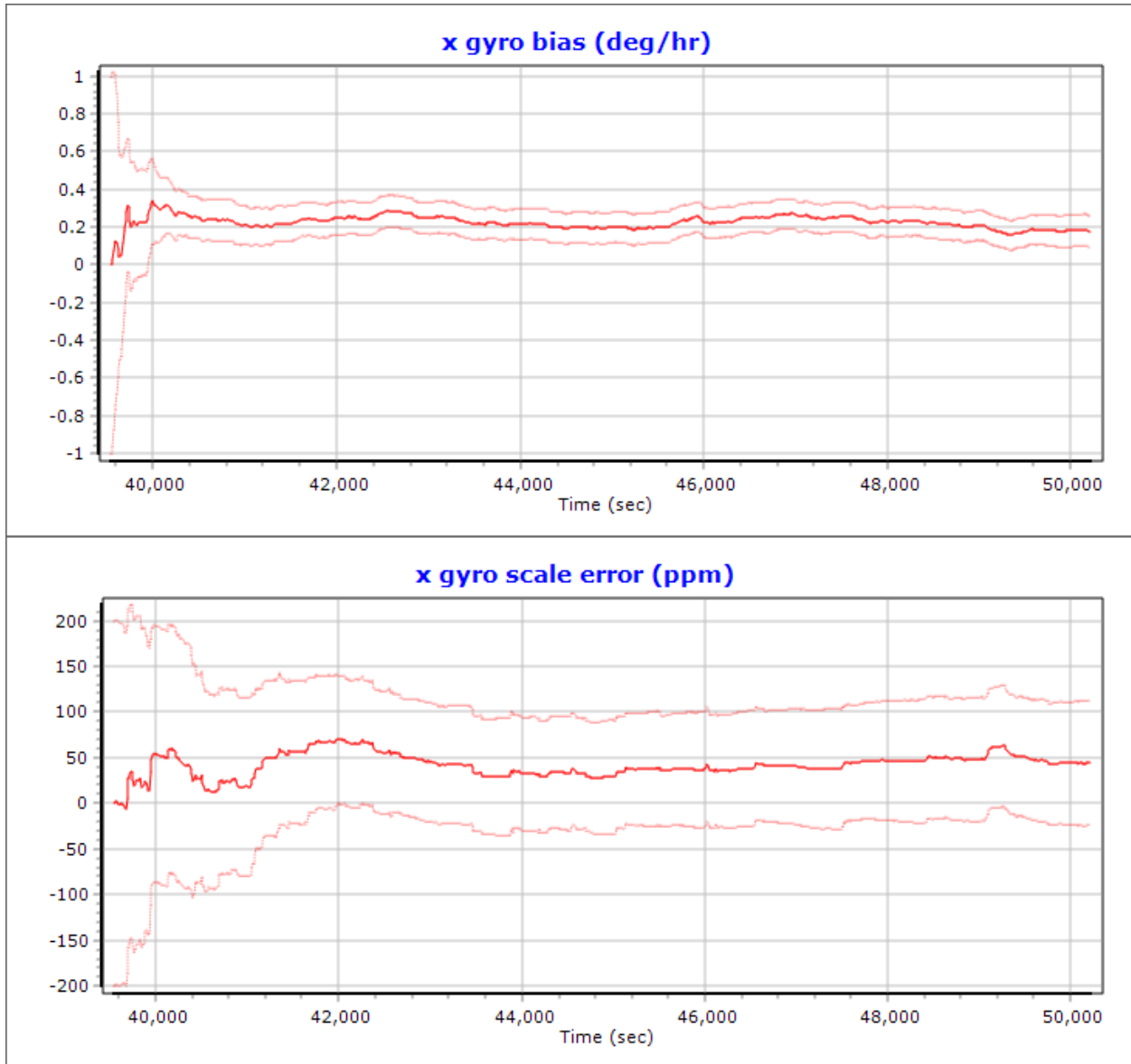
Baseline Distances (km):

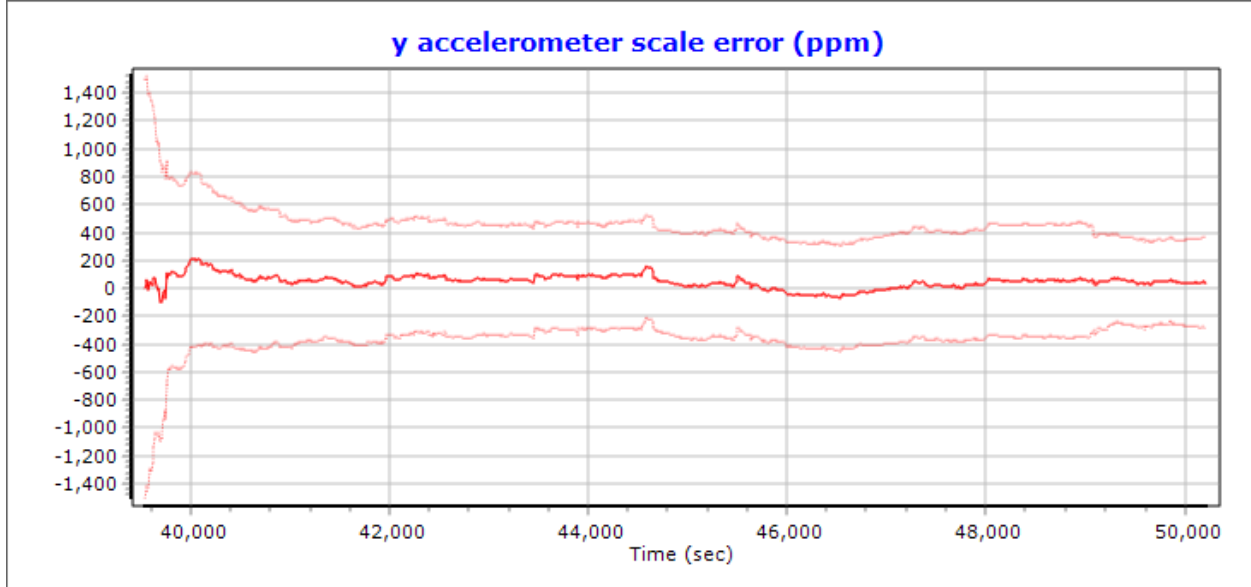
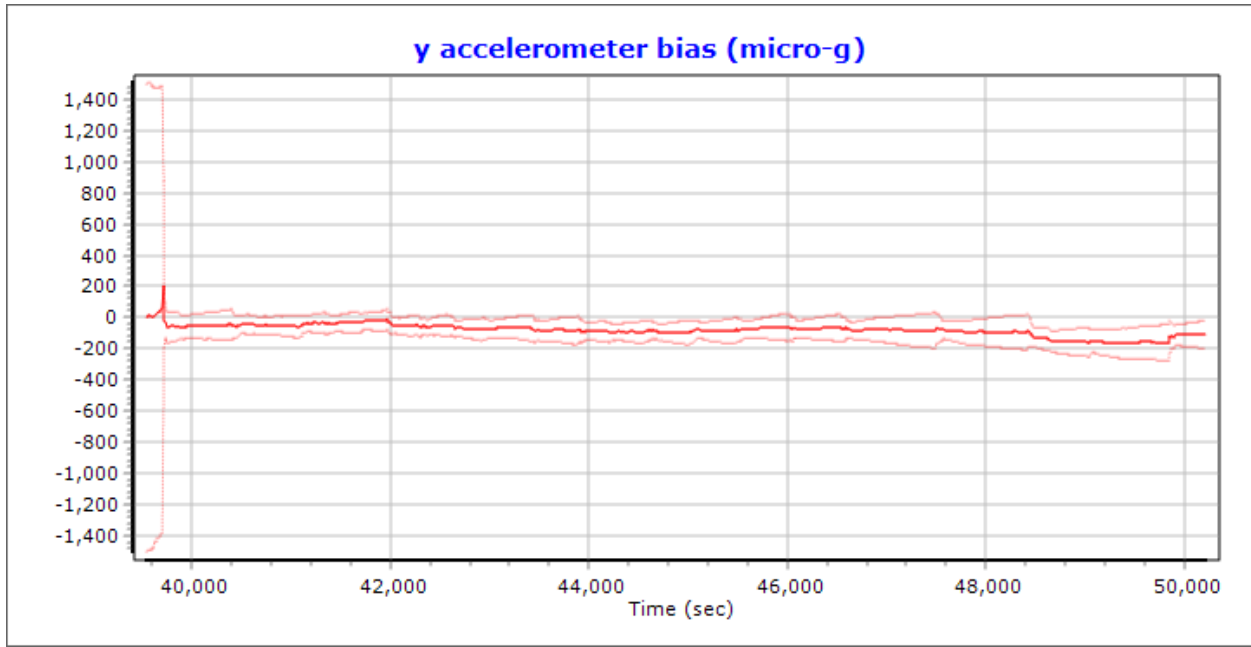
Maximum: 40.00
Minimum: 8.62
Average: 21.26
First Epoch: 19.890
Last Epoch: 19.875

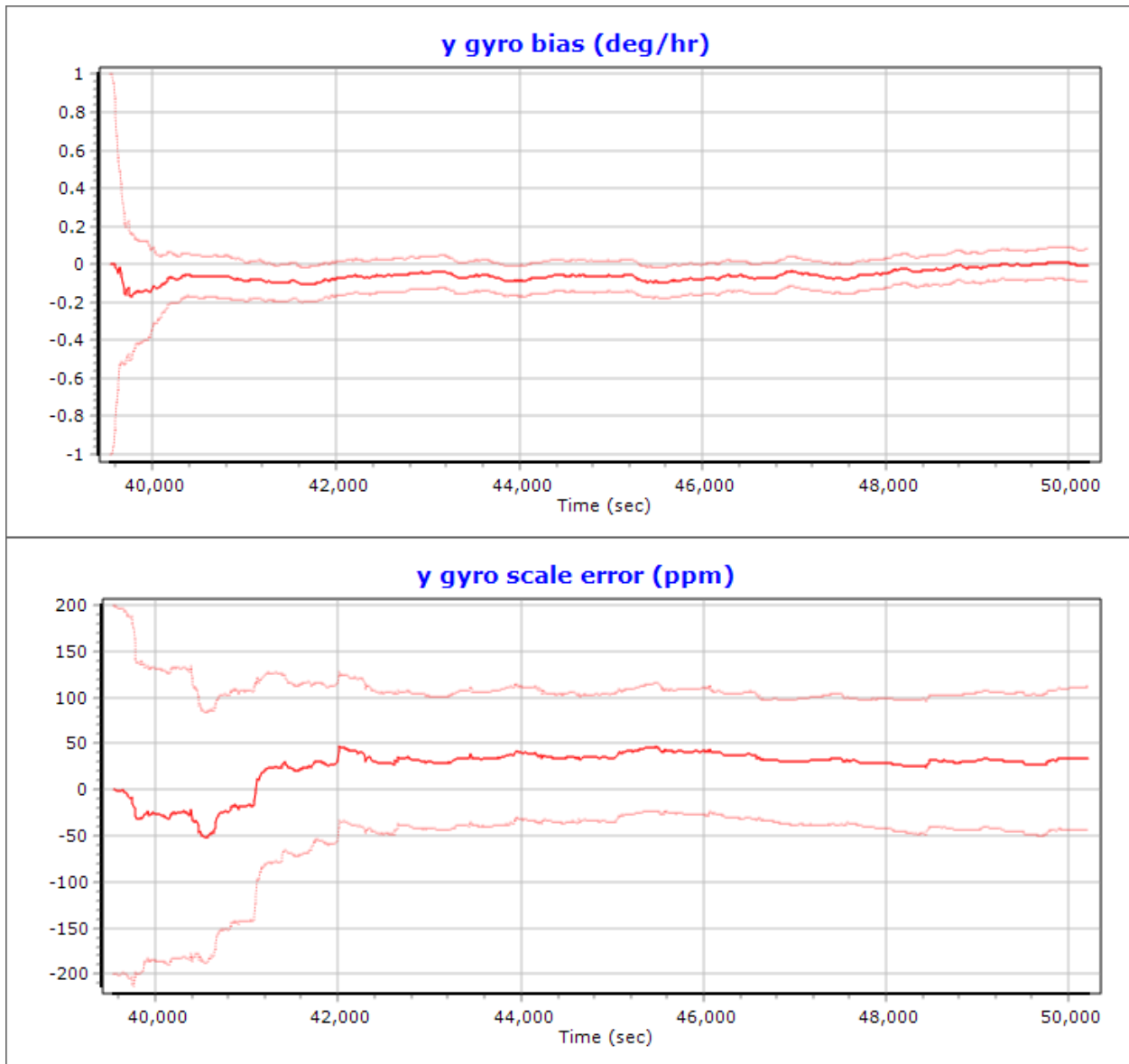
CORS Base Stations

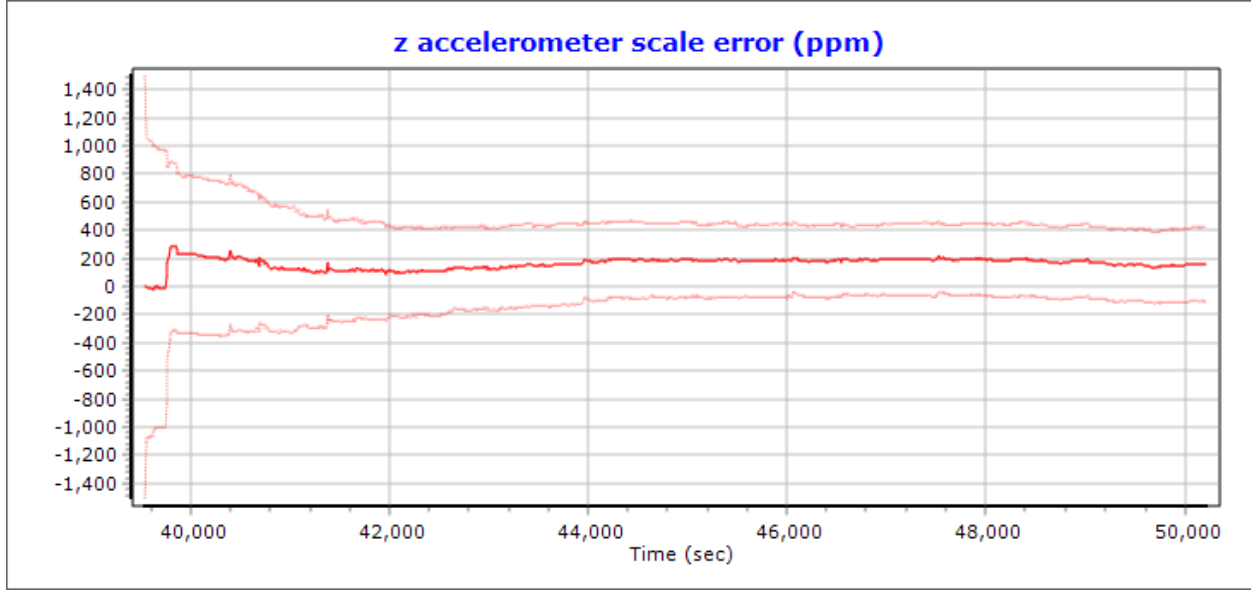
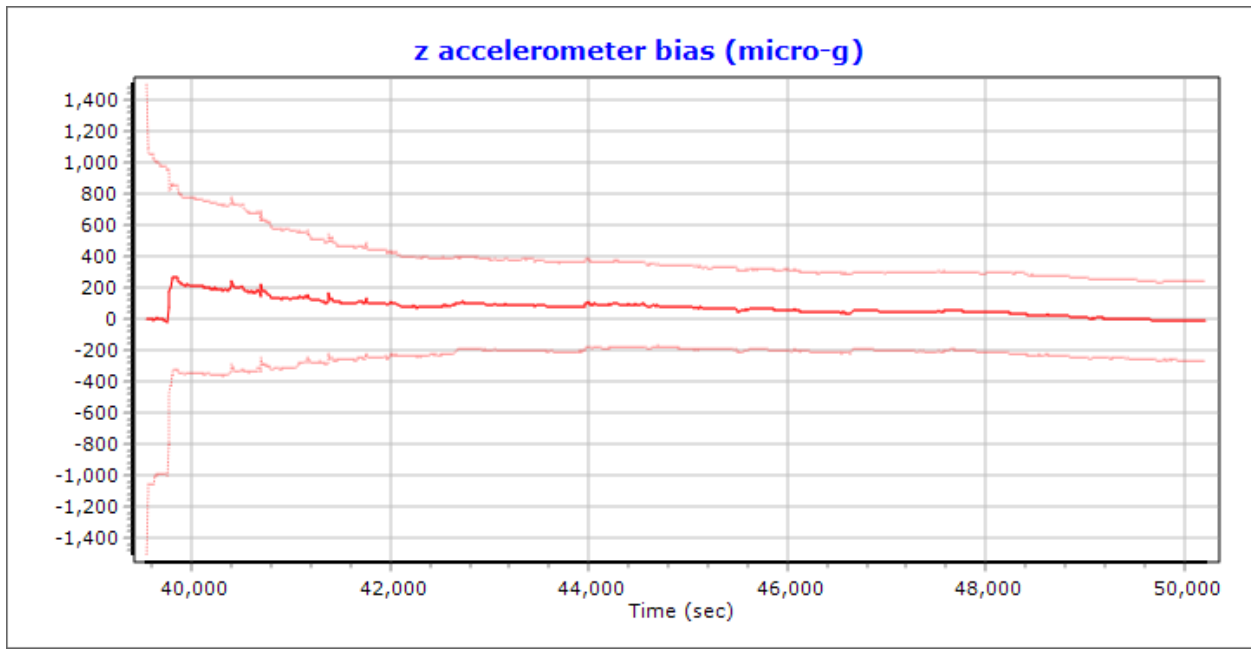
Station	Original (m)			Adjusted (m)		
	Latitude	Longitude	Altitude	Latitude	Longitude	Altitude
SCWT	N32°54'12.37703"	W80°40'06.29560"	-3.409	N32°54'12.37690"	W80°40'06.29594"	-3.387
SCSR	N33°55'22.03580"	W80°20'26.60190"	35.145	N33°55'22.03592"	W80°20'26.60217"	35.154
SCHY	N33°56'23.76205"	W78°44'06.90329"	-17.463	N33°56'23.76211"	W78°44'06.90336"	-17.464
SCHA	N32°46'46.11651"	W79°55'31.31708"	-14.629	N32°46'46.11651"	W79°55'31.31708"	-14.629
SCEB	N32°28'58.77962"	W80°19'55.92573"	-25.407	N32°28'58.77911"	W80°19'55.92549"	-25.403
GACC	N33°32'44.73003"	W82°08'01.72447"	98.492	N33°32'44.73009"	W82°08'01.72449"	98.502
GAAU	N33°28'17.14128"	W82°02'01.80716"	113.034	N33°28'17.14088"	W82°02'01.80739"	113.079
GAAE	N33°25'38.07514"	W82°04'04.06748"	124.365	N33°25'38.07547"	W82°04'04.06763"	124.364
COLA	N34°04'51.58332"	W81°07'18.03800"	81.574	N34°04'51.58299"	W81°07'18.03831"	81.613

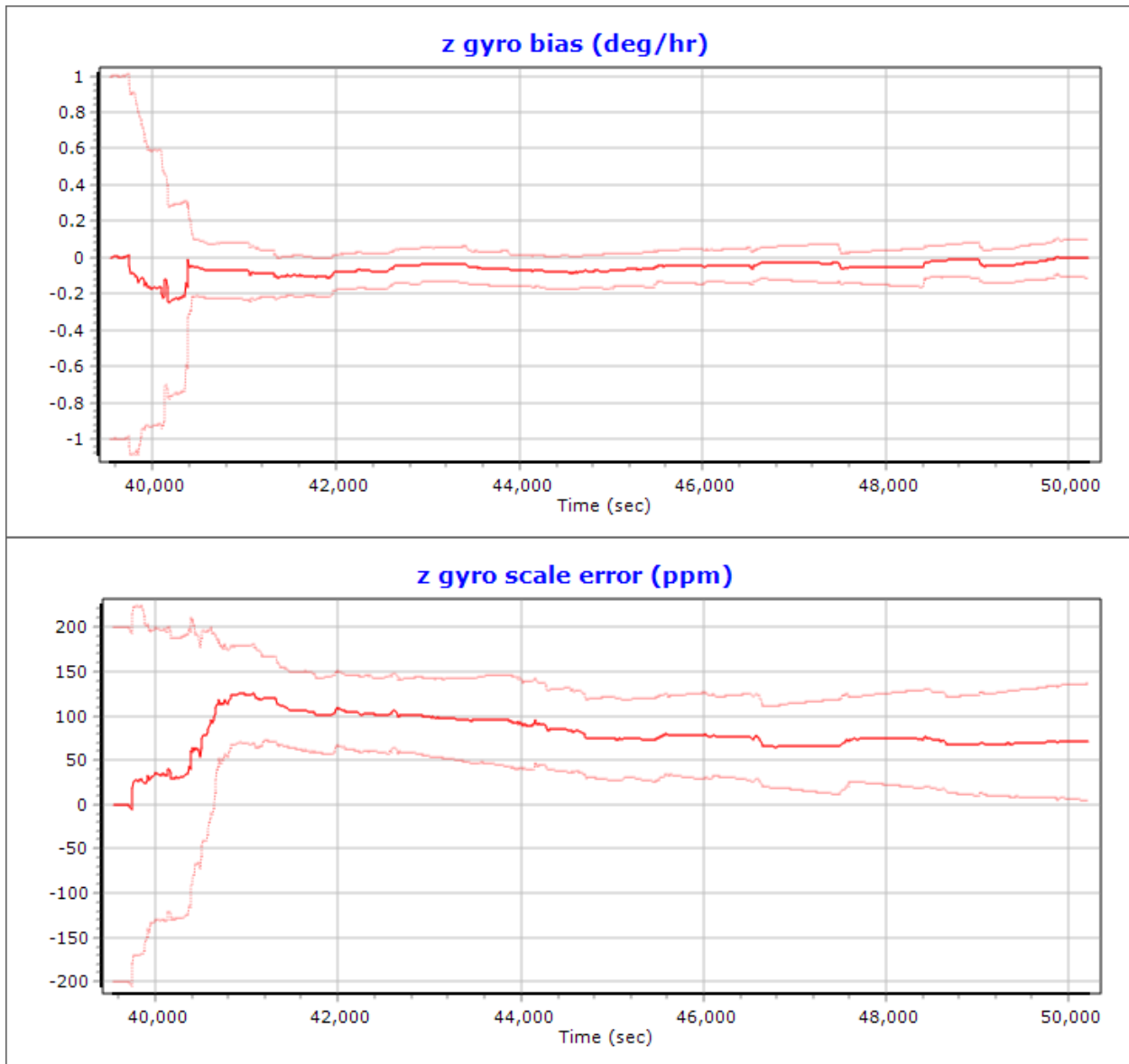


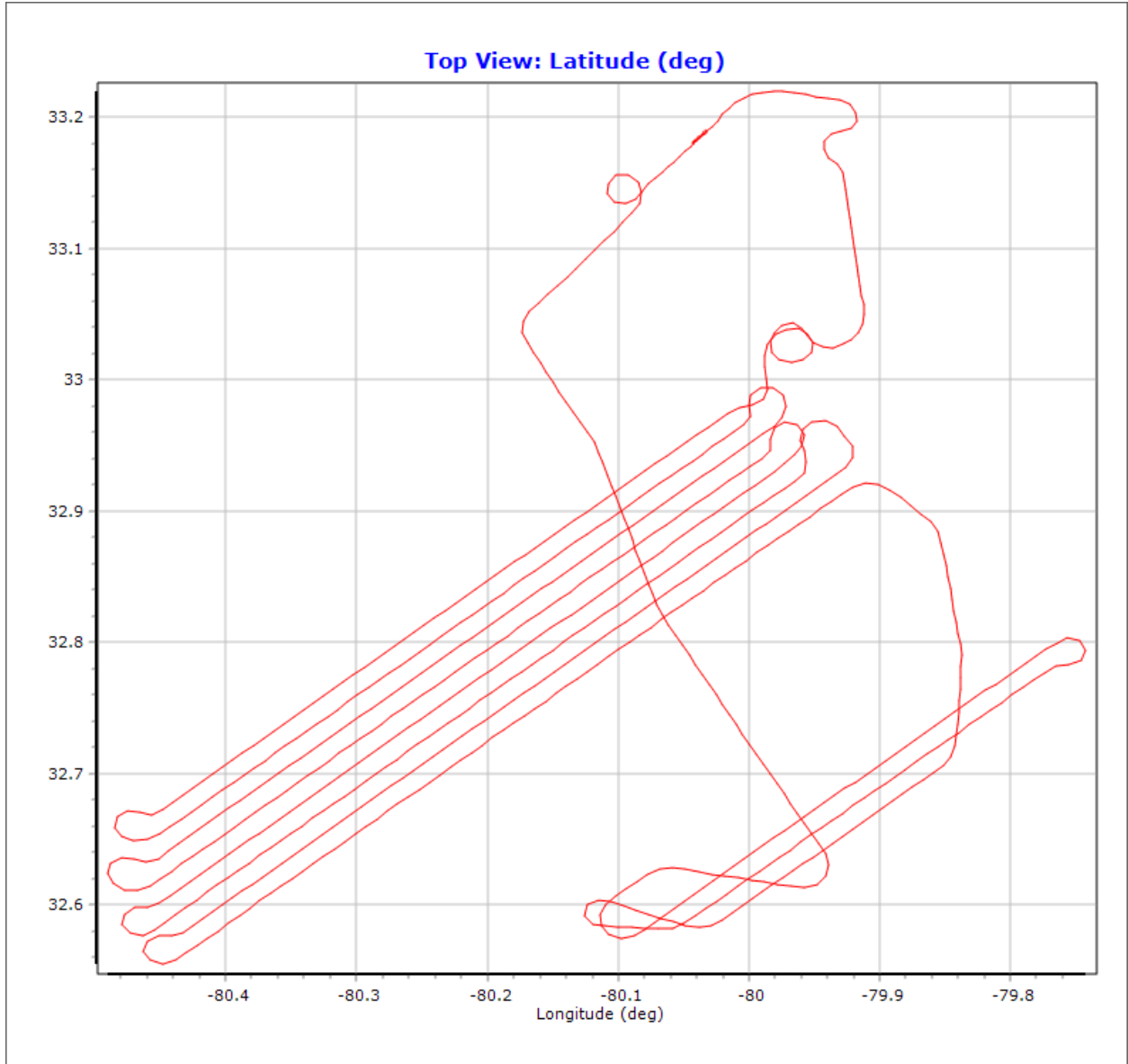


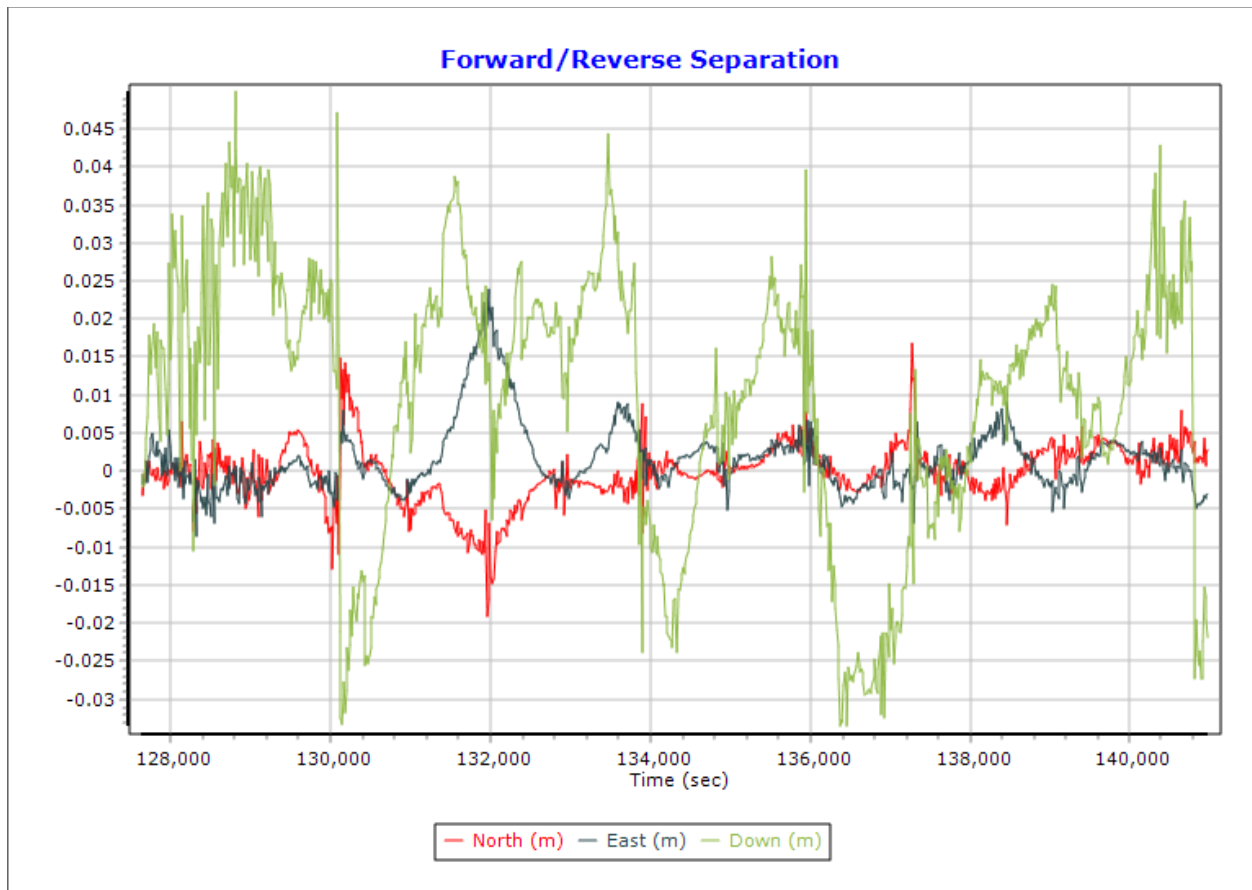


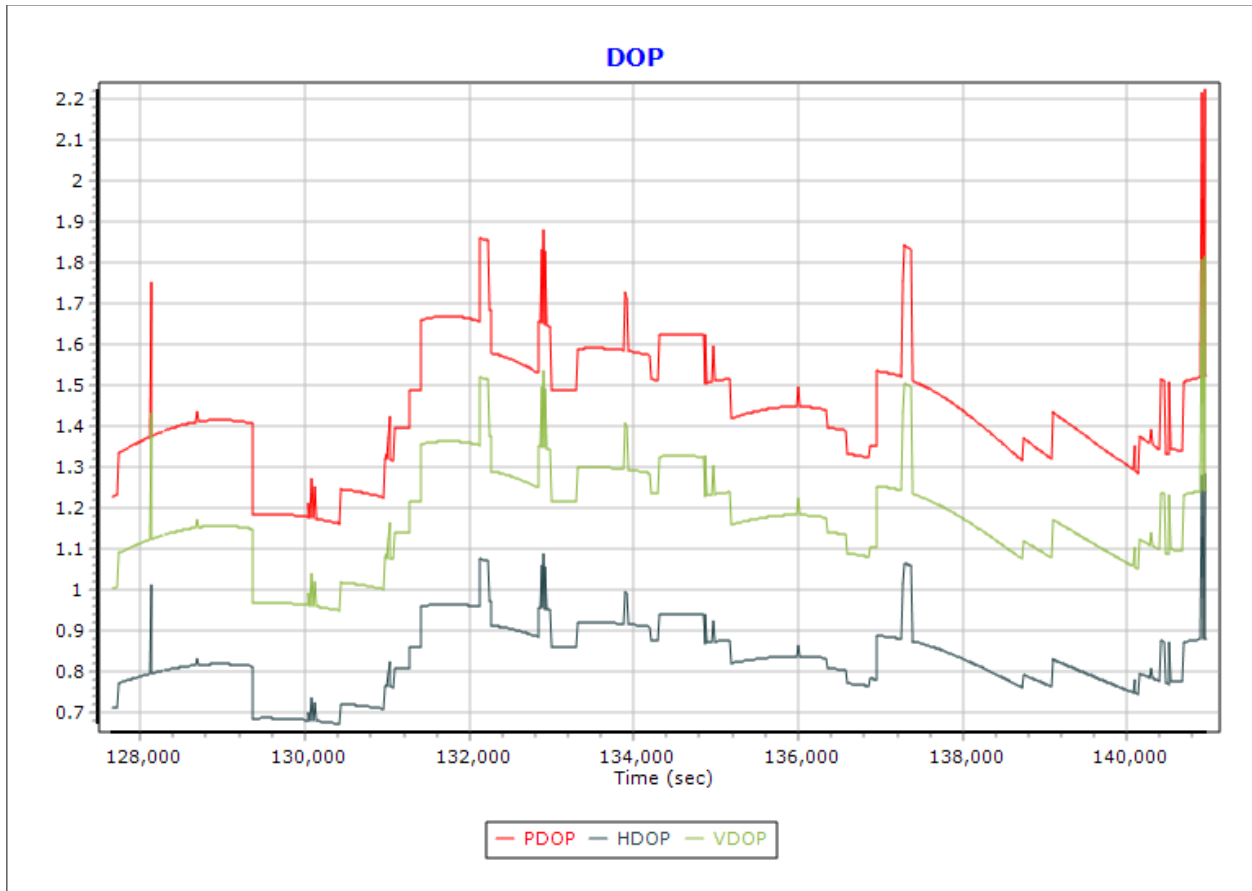


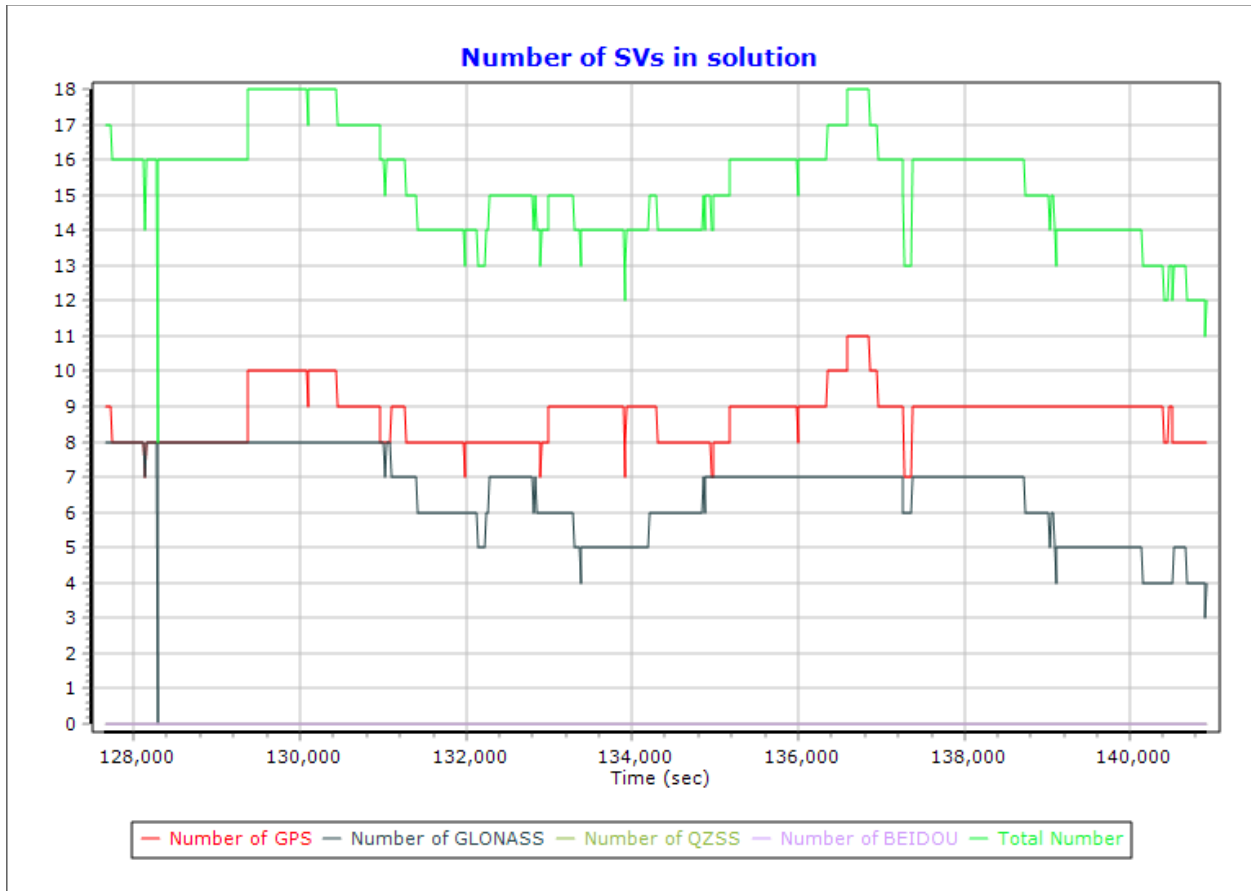












Processing Summary Information

Program: POSPac MMS
Version: 7.2.5934.15637
Project: \\sa\data\riegl\217001\20170305_SC_a\05_INS-
GPS_PROC\01_POS\20170305_SC_a.pospac

Solution Type: In-Fusion SmartBase

Fixed: 11057 (99.99%)
Float: 0 (0.0%)
No Solution: 1 (0.01%)

Number of Epochs:

Total in .raw file: 11078
No processed position: 21

Fwd/Rev Separation RMS Values (m):

East: 0.002
North: 0.003
Height: 0.023

Fwd/Rev Sep. RMS for 25%-75% weighting (m): 5538 occurrences

East: 0.002
North: 0.002
Height: 0.017

Position Standard Deviation Percentages:

0.00 - 0.10 m: 100.0 %
0.10 - 0.30 m: 0.0 %
0.30 - 1.00 m: 0.0 %
1.00 - 5.00 m: 0.0 %
5.00 m + over: 0.0 %

Percentages of epochs with DD_DOP over 10.00: 0%

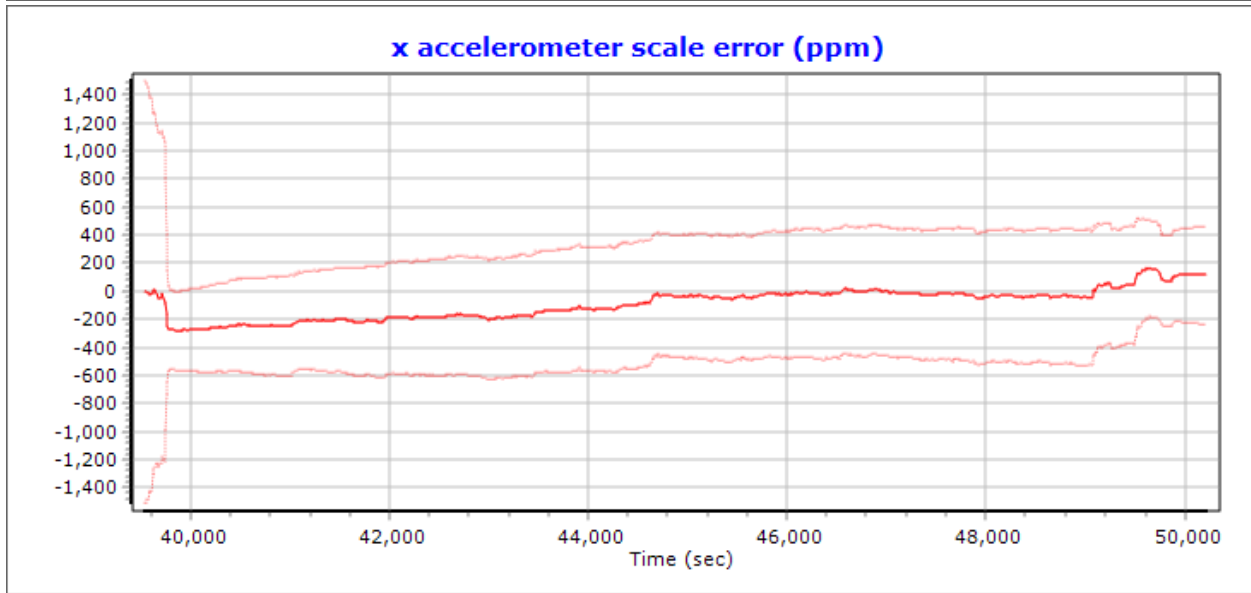
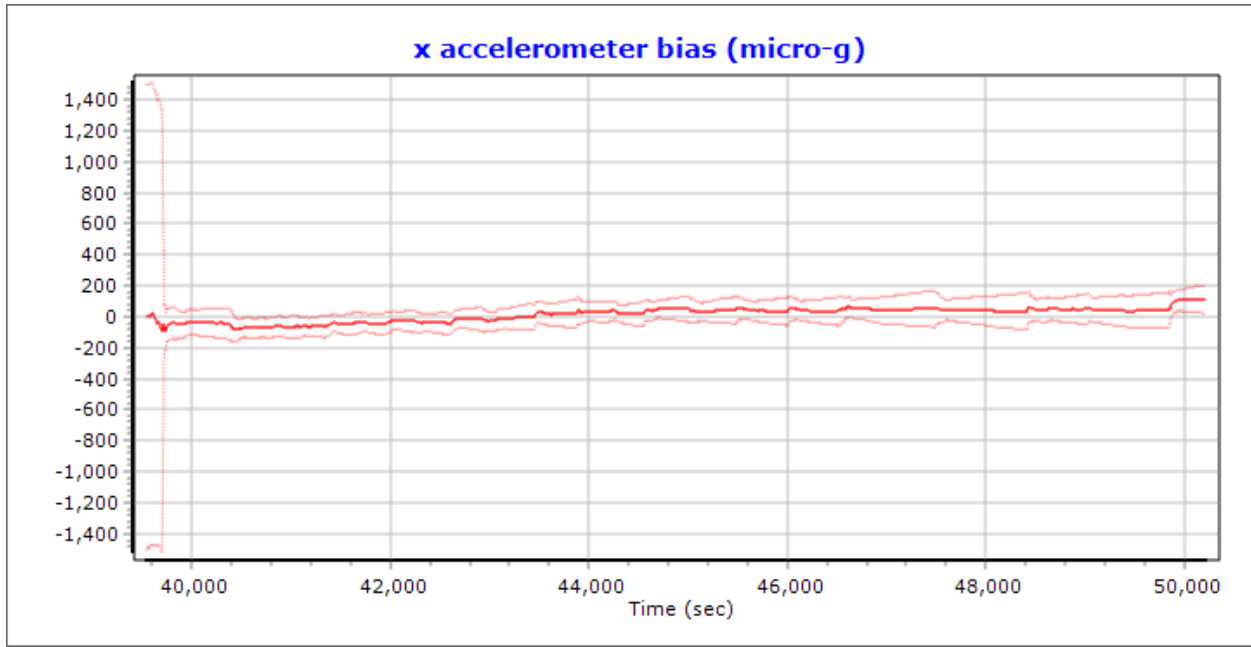
DOP over Tol: 1.41 %

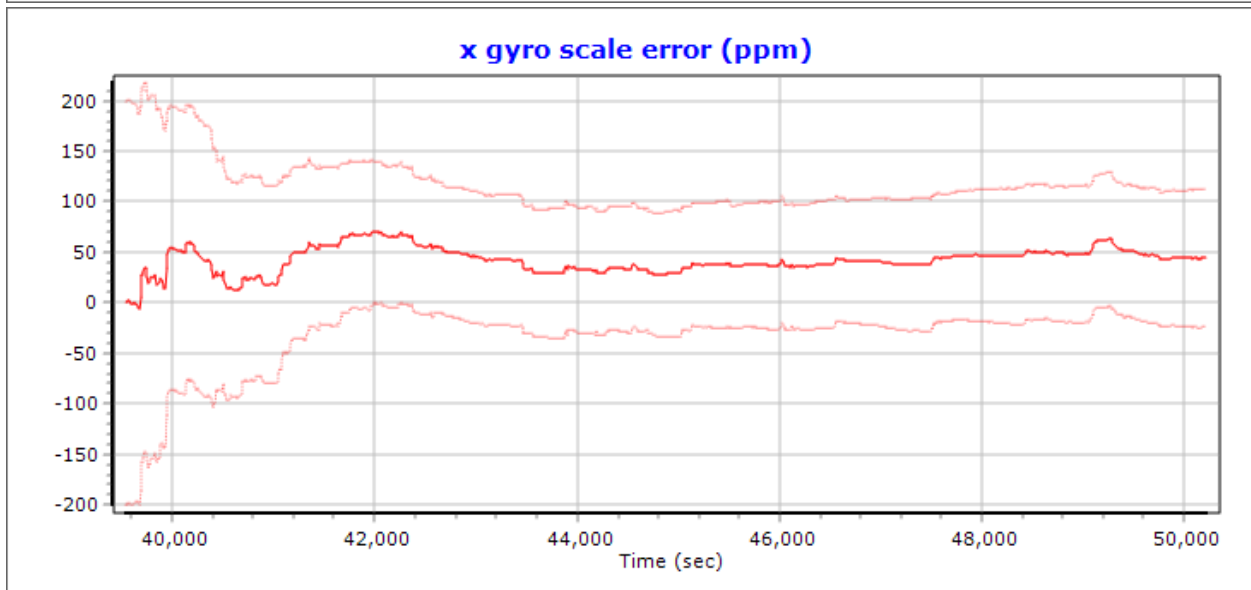
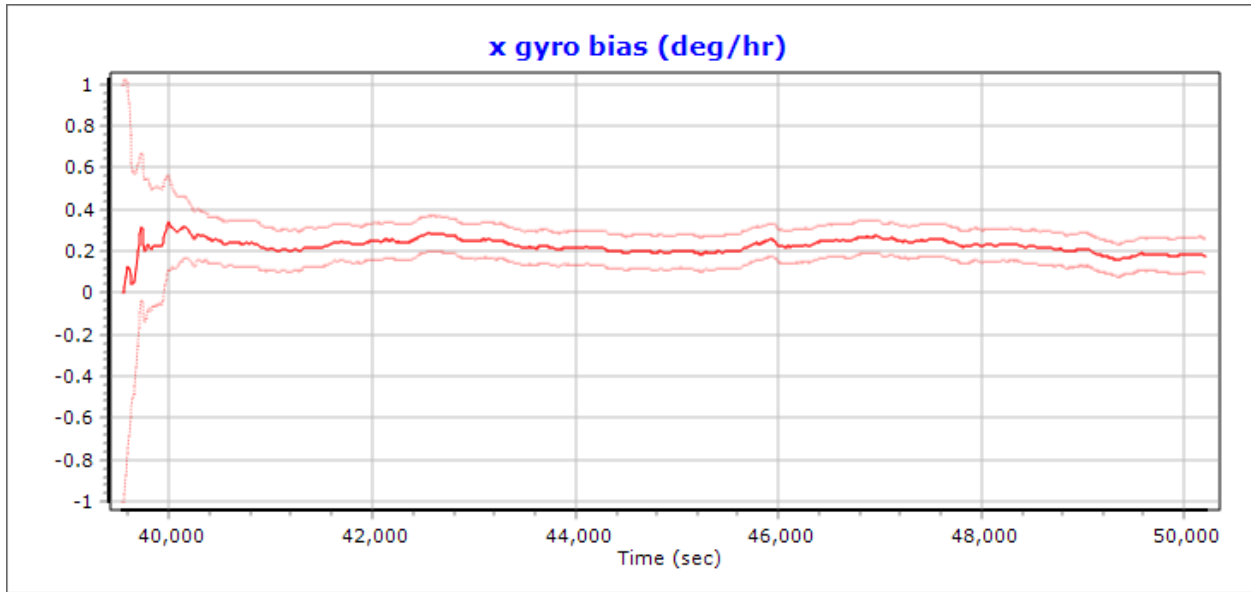
Baseline Distances (km):

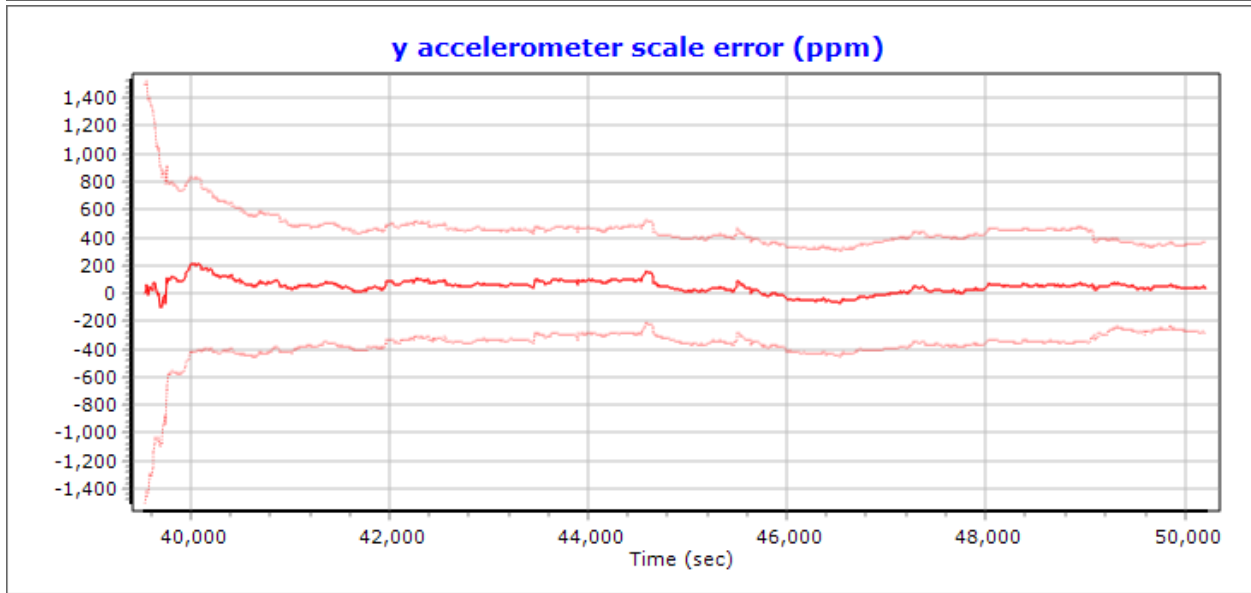
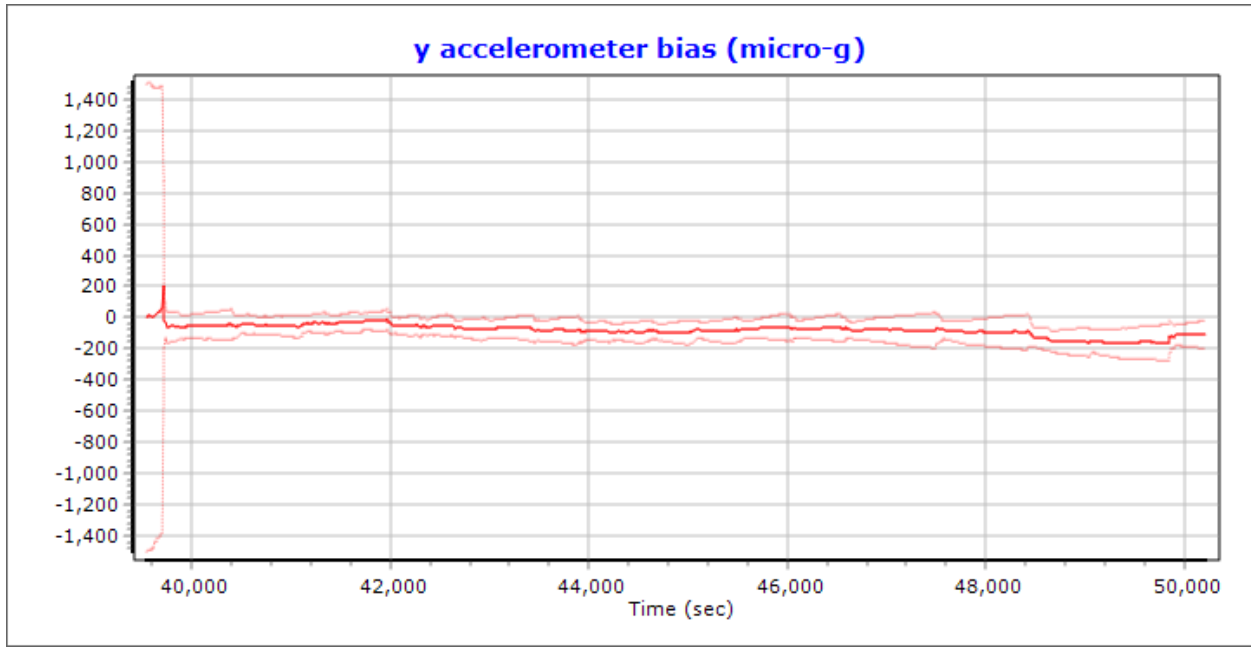
Maximum: 38.19
Minimum: 0.84
Average: 18.69
First Epoch: 32.489
Last Epoch: 32.594

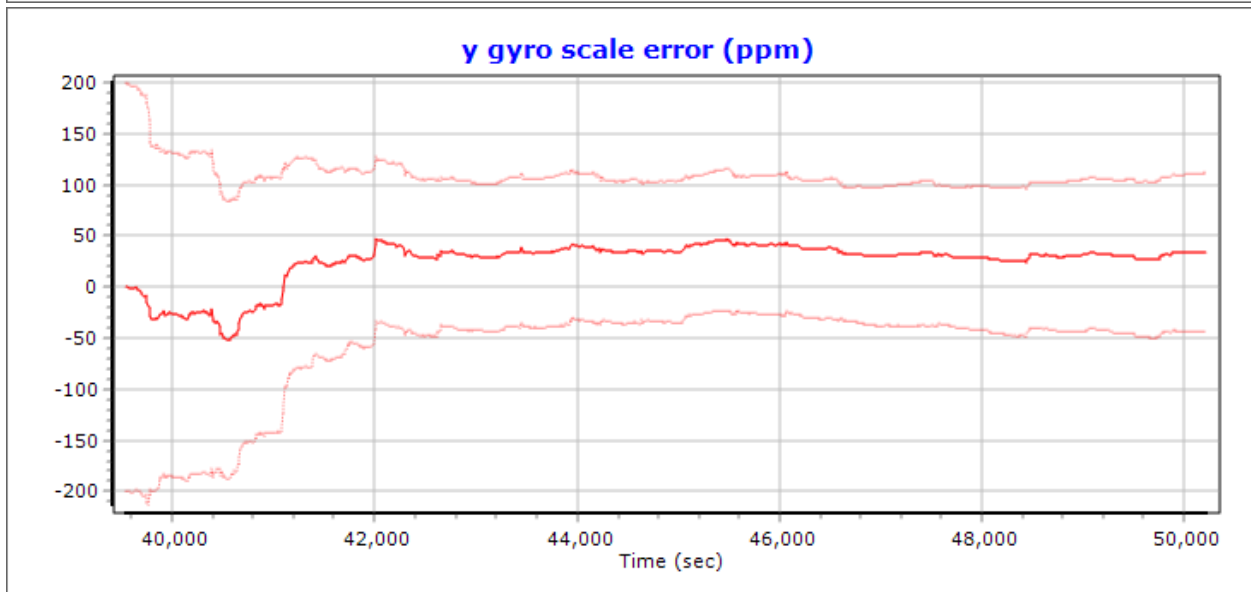
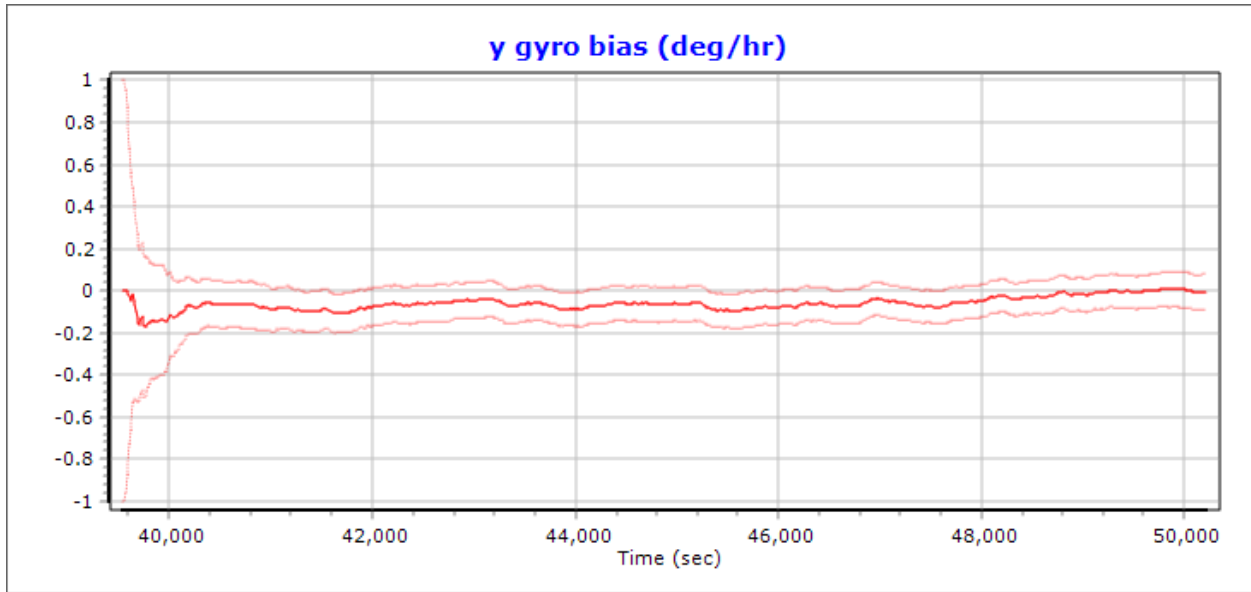
CORS Base Stations

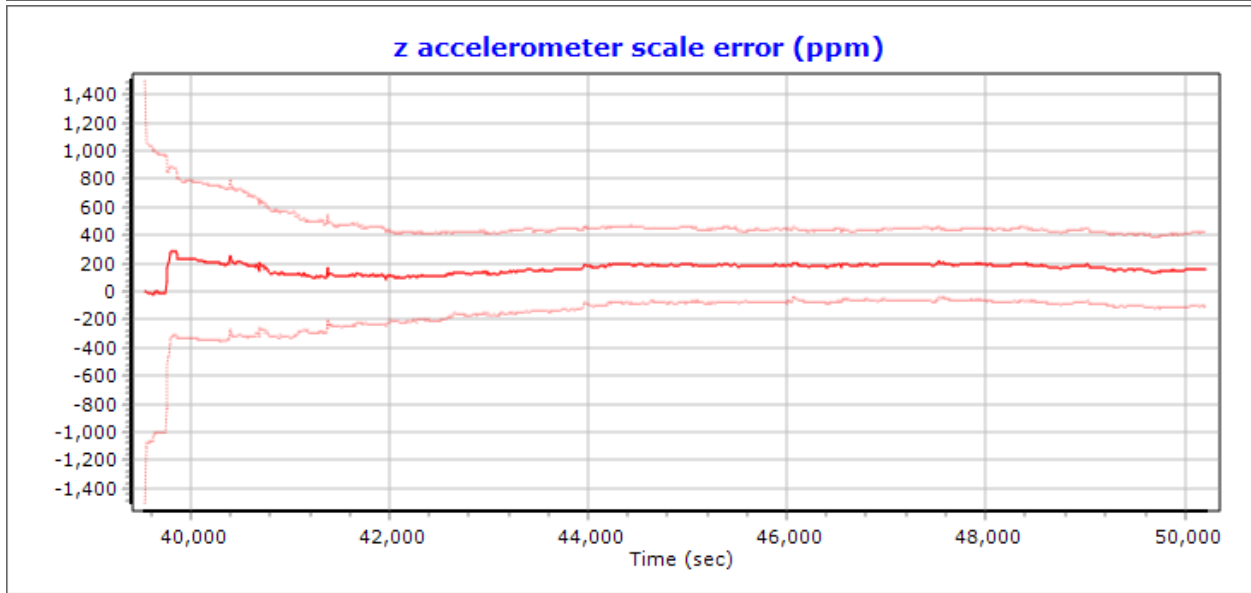
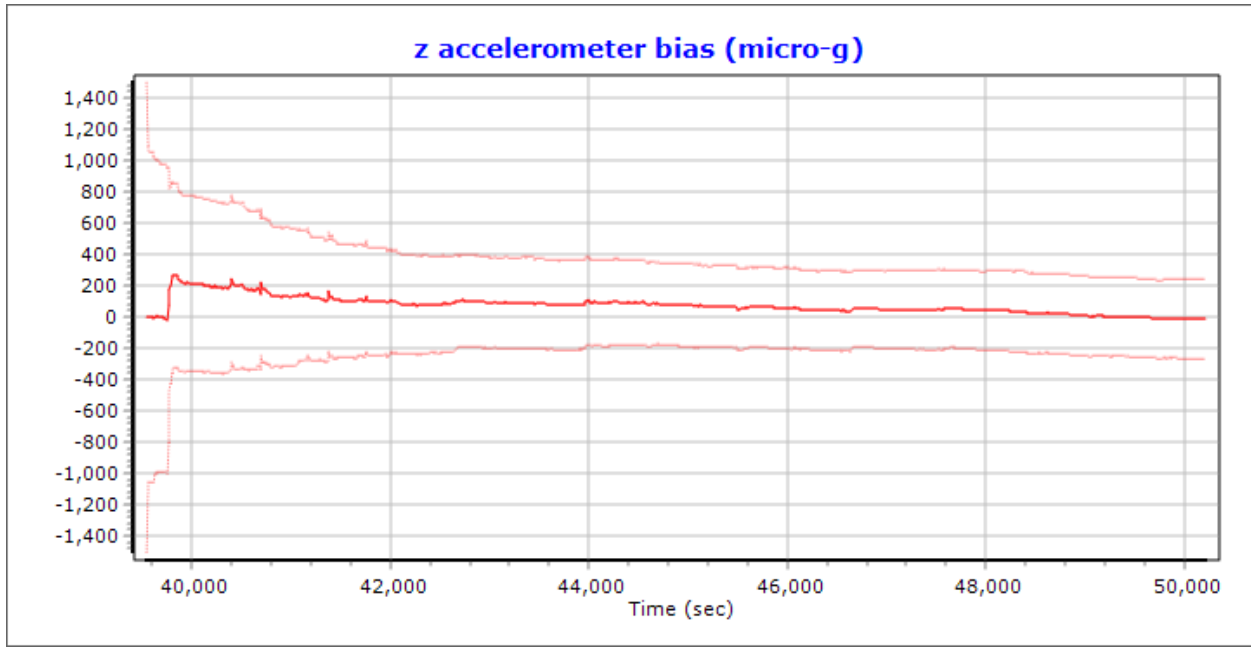
Station	Original (m)			Adjusted (m)		
	Latitude	Longitude	Altitude	Latitude	Longitude	Altitude
SCHA	N32°46'46.11669"	W79°55'31.31751"	-14.623	N32°46'46.11669"	W79°55'31.31751"	-14.624
SCWT	N32°54'12.37703"	W80°40'06.29560"	-3.409	N32°54'12.37699"	W80°40'06.29614"	-3.378
SCSR	N33°55'22.03580"	W80°20'26.60190"	35.145	N33°55'22.03601"	W80°20'26.60269"	35.163
SCHY	N33°56'23.76205"	W78°44'06.90329"	-17.463	N33°56'23.76218"	W78°44'06.90387"	-17.453
SCEB	N32°28'58.77962"	W80°19'55.92573"	-25.407	N32°28'58.77924"	W80°19'55.92579"	-25.396
GAAU	N33°28'17.14128"	W82°02'01.80716"	113.034	N33°28'17.14102"	W82°02'01.80758"	113.089
GAAE	N33°25'38.07514"	W82°04'04.06748"	124.365	N33°25'38.07559"	W82°04'04.06771"	124.371
COLA	N34°04'51.58332"	W81°07'18.03801"	81.574	N34°04'51.58305"	W81°07'18.03870"	81.619

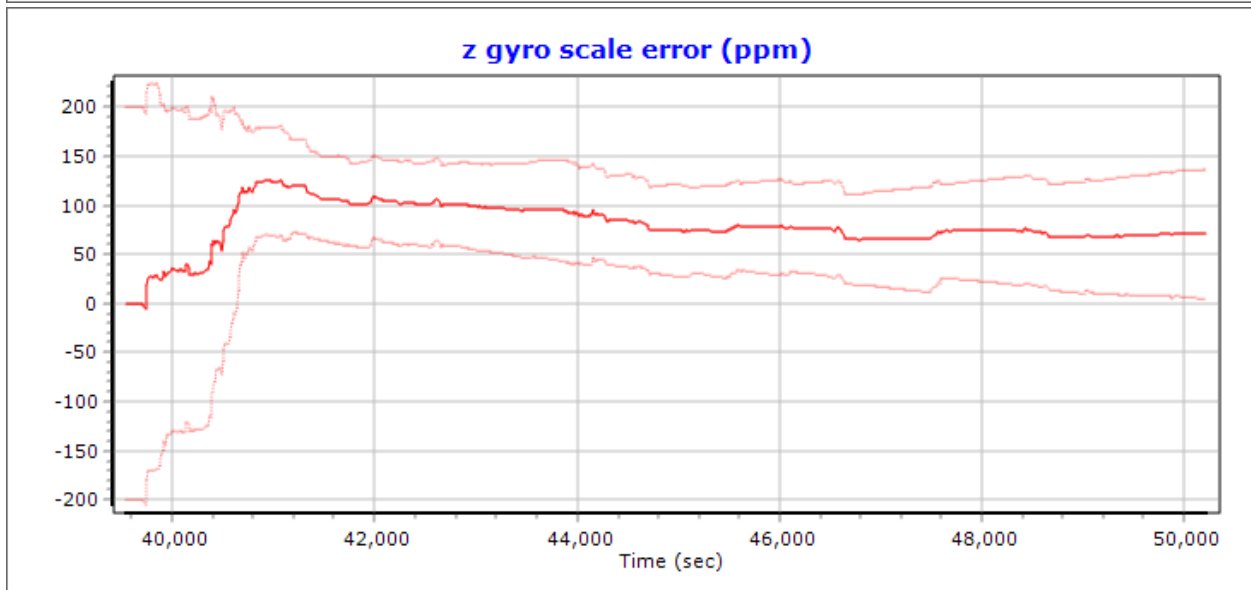
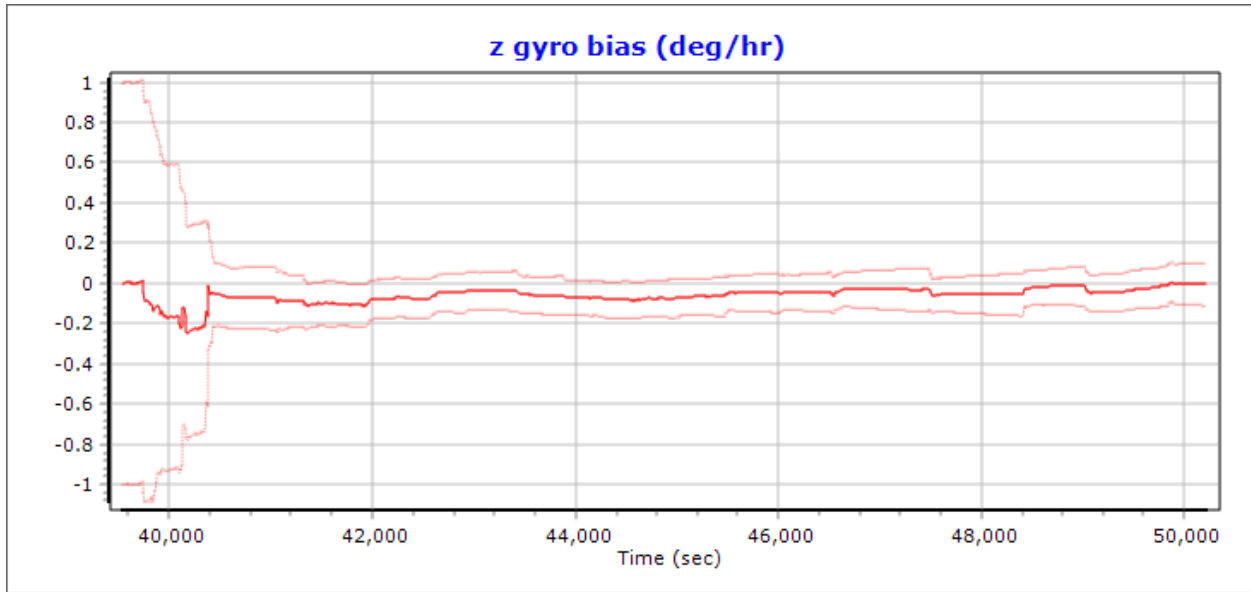


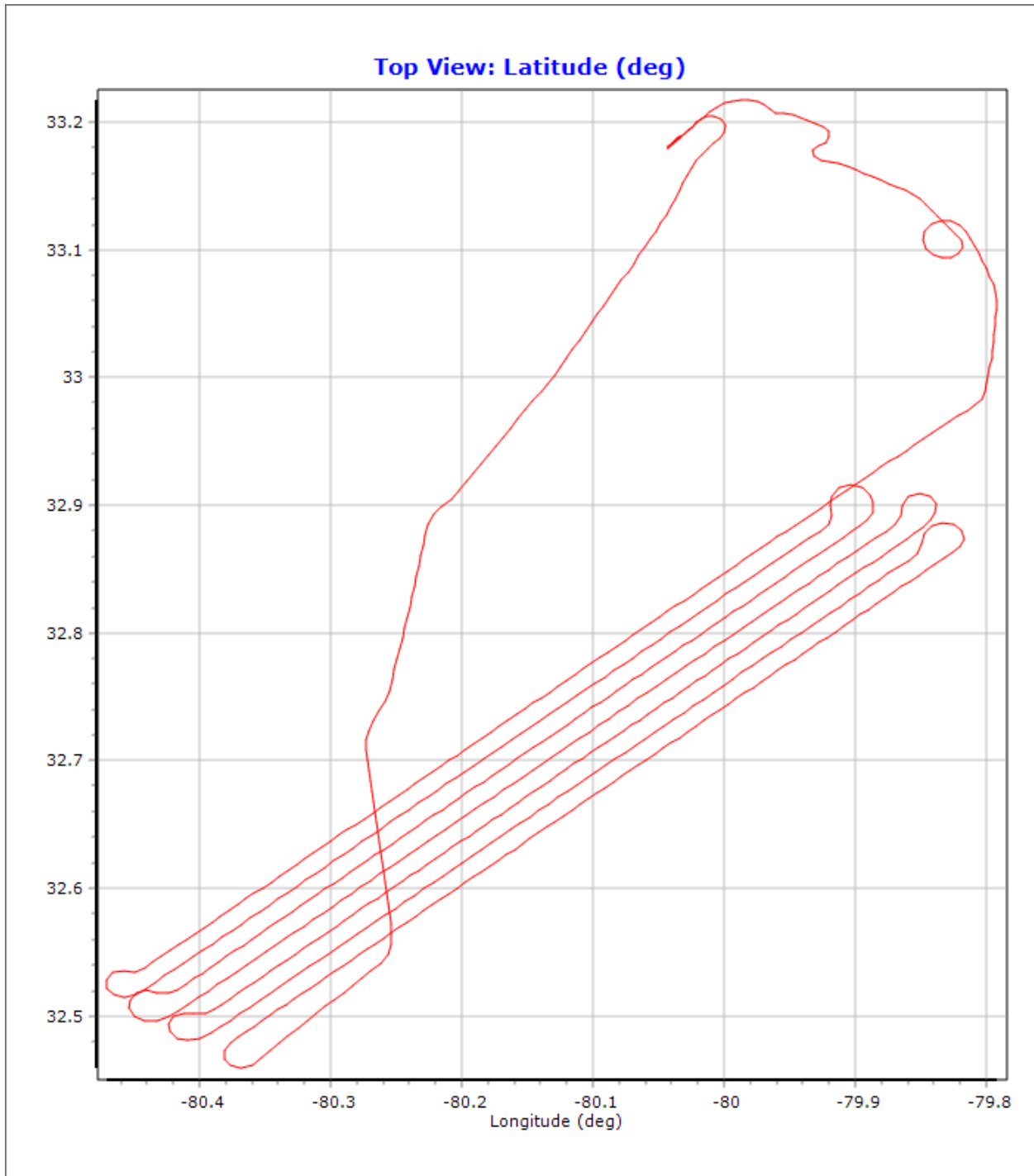


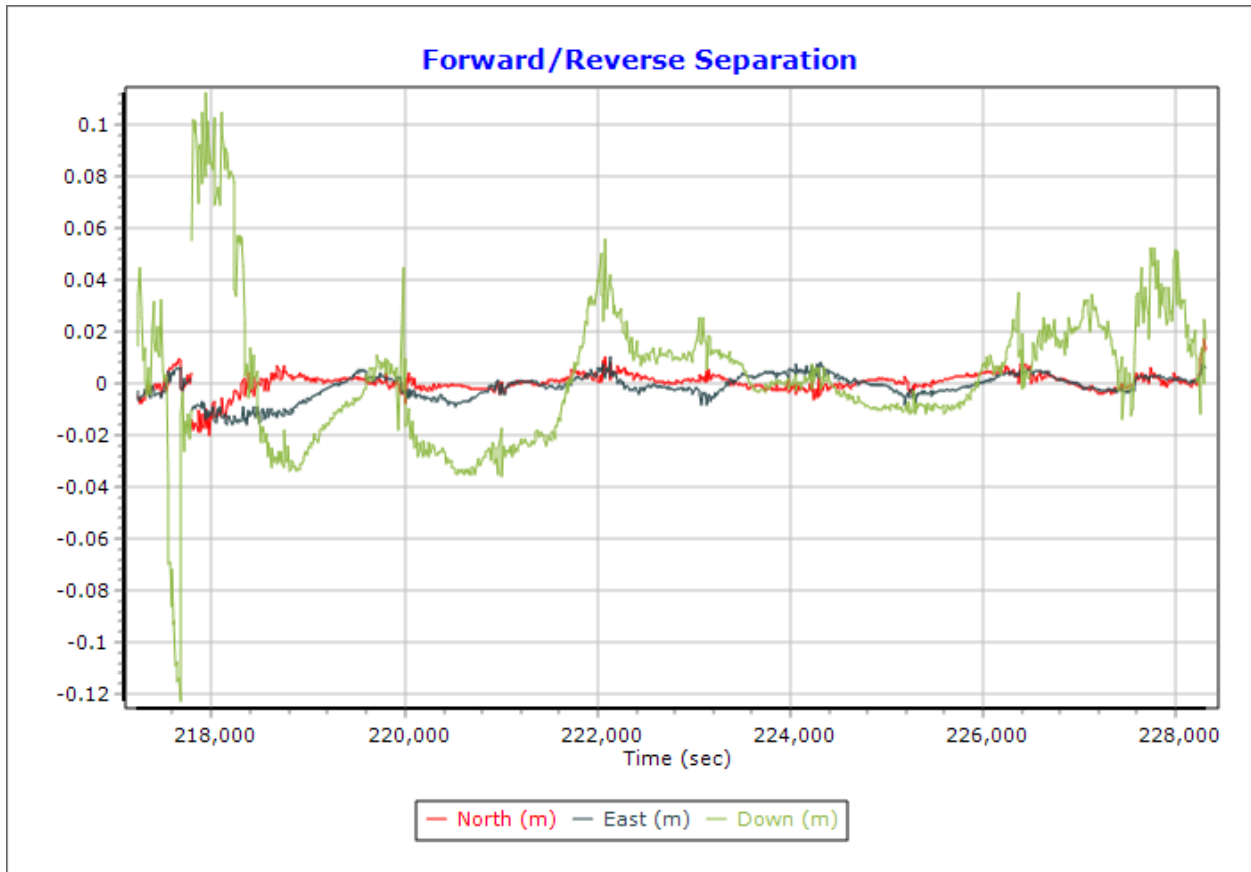


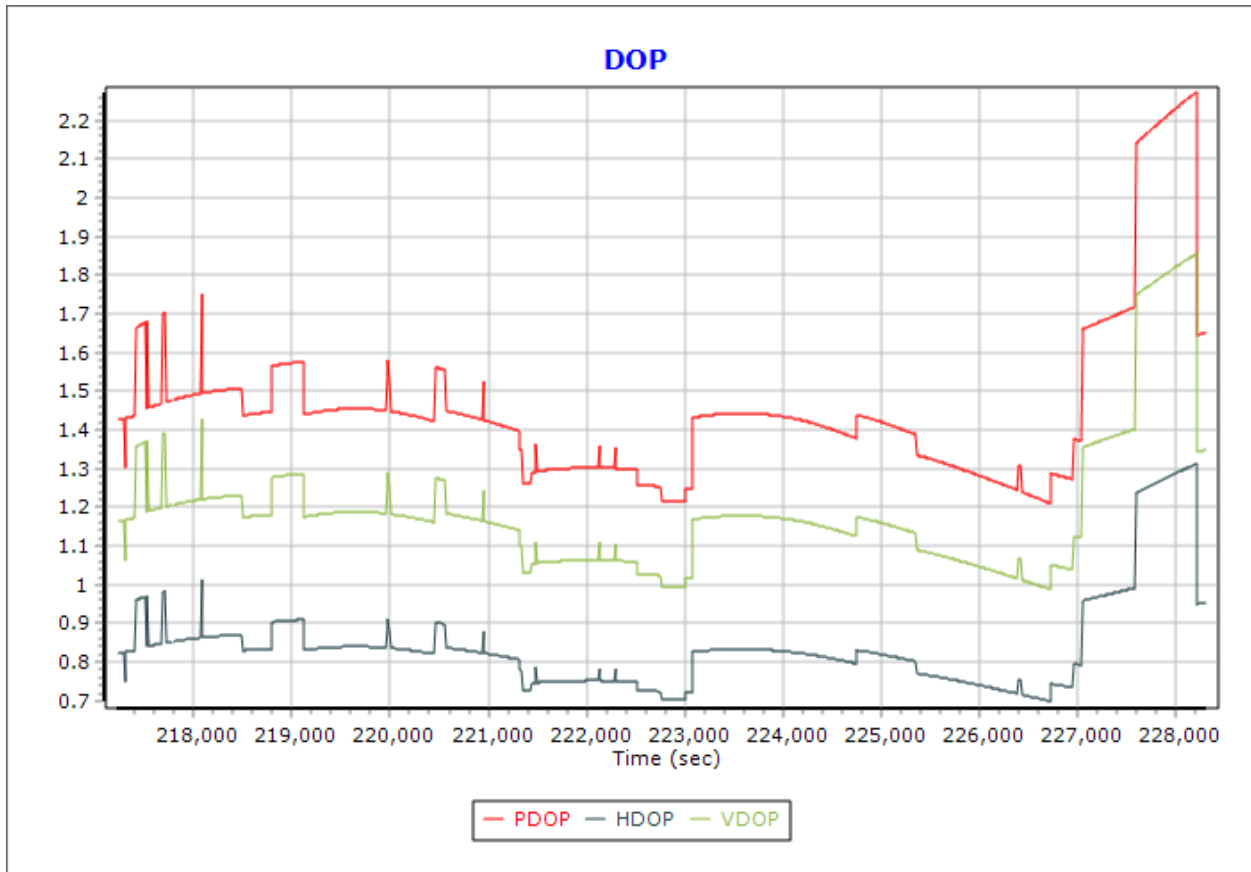


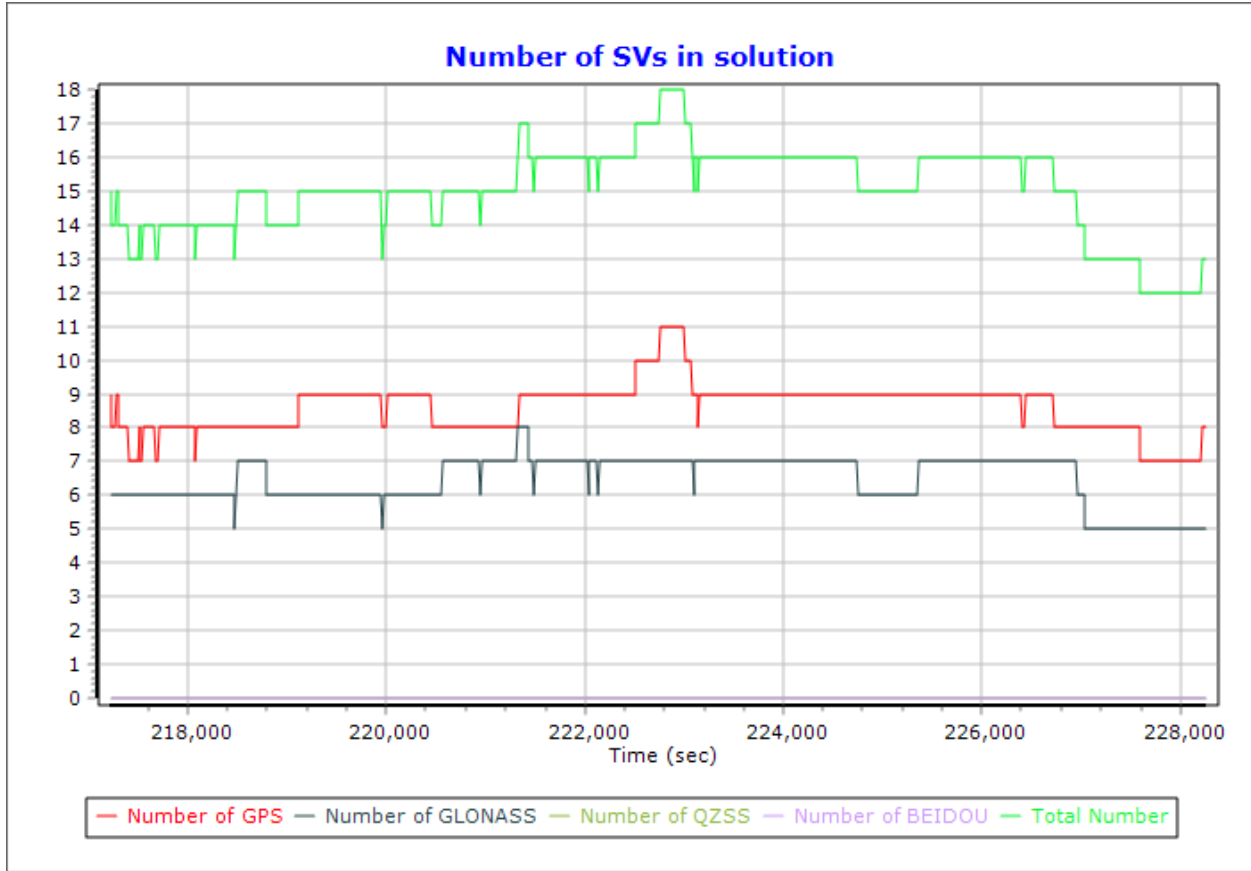












Processing Summary Information

Program: POSPac MMS
Version: 7.2.5934.15637
Project: \\sa\data\riegl\217001\20170306_SC_a\05_INS-GPS_PROC\01_POS\20170306_SC_a.pospac

Solution Type: In-Fusion SmartBase

Fixed: 13310 (99.99%)
Float: 0 (0.0%)
No Solution: 1 (0.01%)

Number of Epochs:

Total in .raw file: 13350
No processed position: 40

Fwd/Rev Separation RMS Values (m):

East: 0.005
North: 0.004
Height: 0.020

Fwd/Rev Sep. RMS for 25%-75% weighting (m): 6674 occurrences

East: 0.006
North: 0.004
Height: 0.020

Position Standard Deviation Percentages:

0.00 - 0.10 m: 100.0 %
0.10 - 0.30 m: 0.0 %
0.30 - 1.00 m: 0.0 %
1.00 - 5.00 m: 0.0 %
5.00 m + over: 0.0 %

Percentages of epochs with DD_DOP over 10.00: 0%

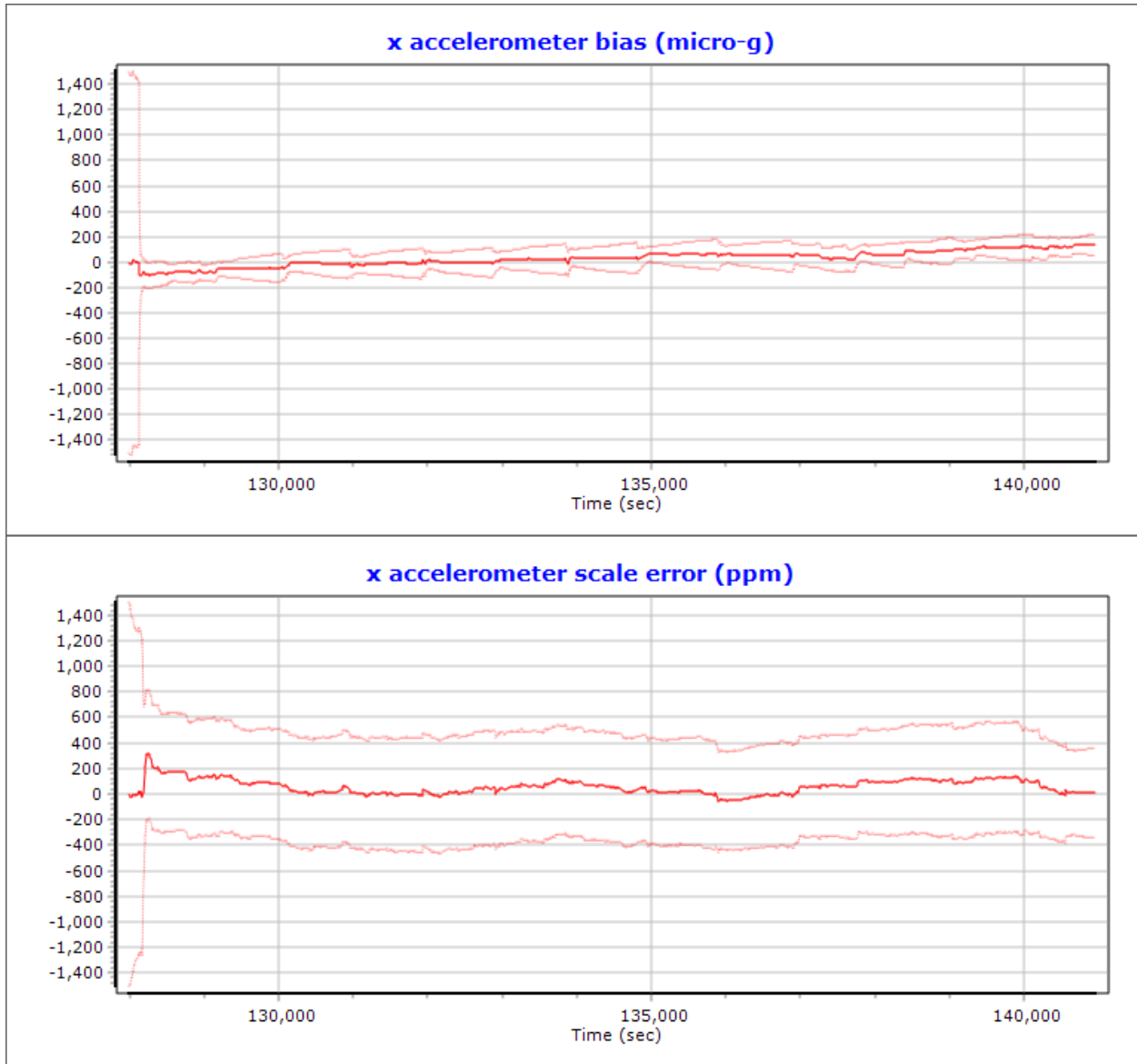
DOP over Tol: 1.44 %

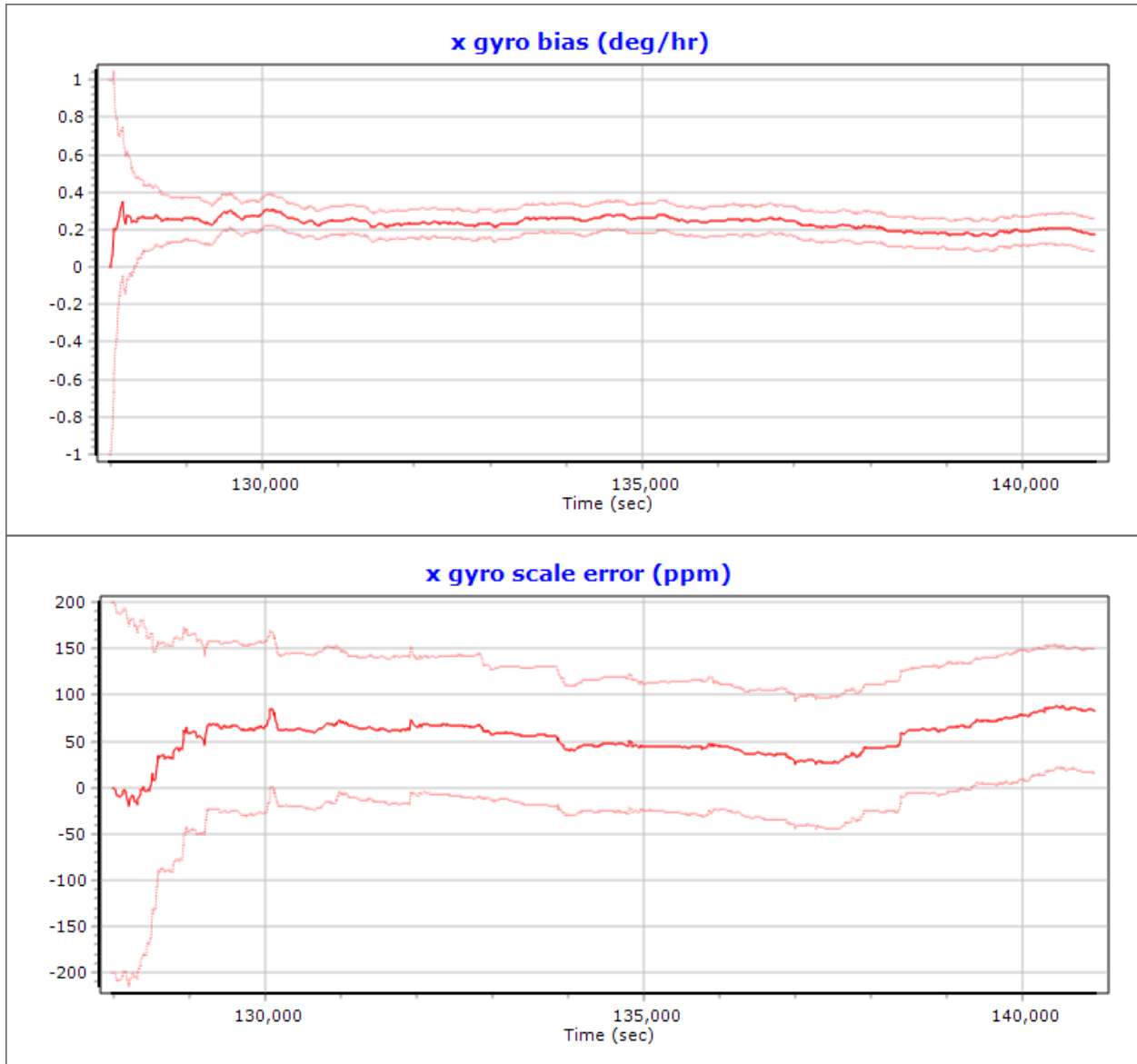
Baseline Distances (km):

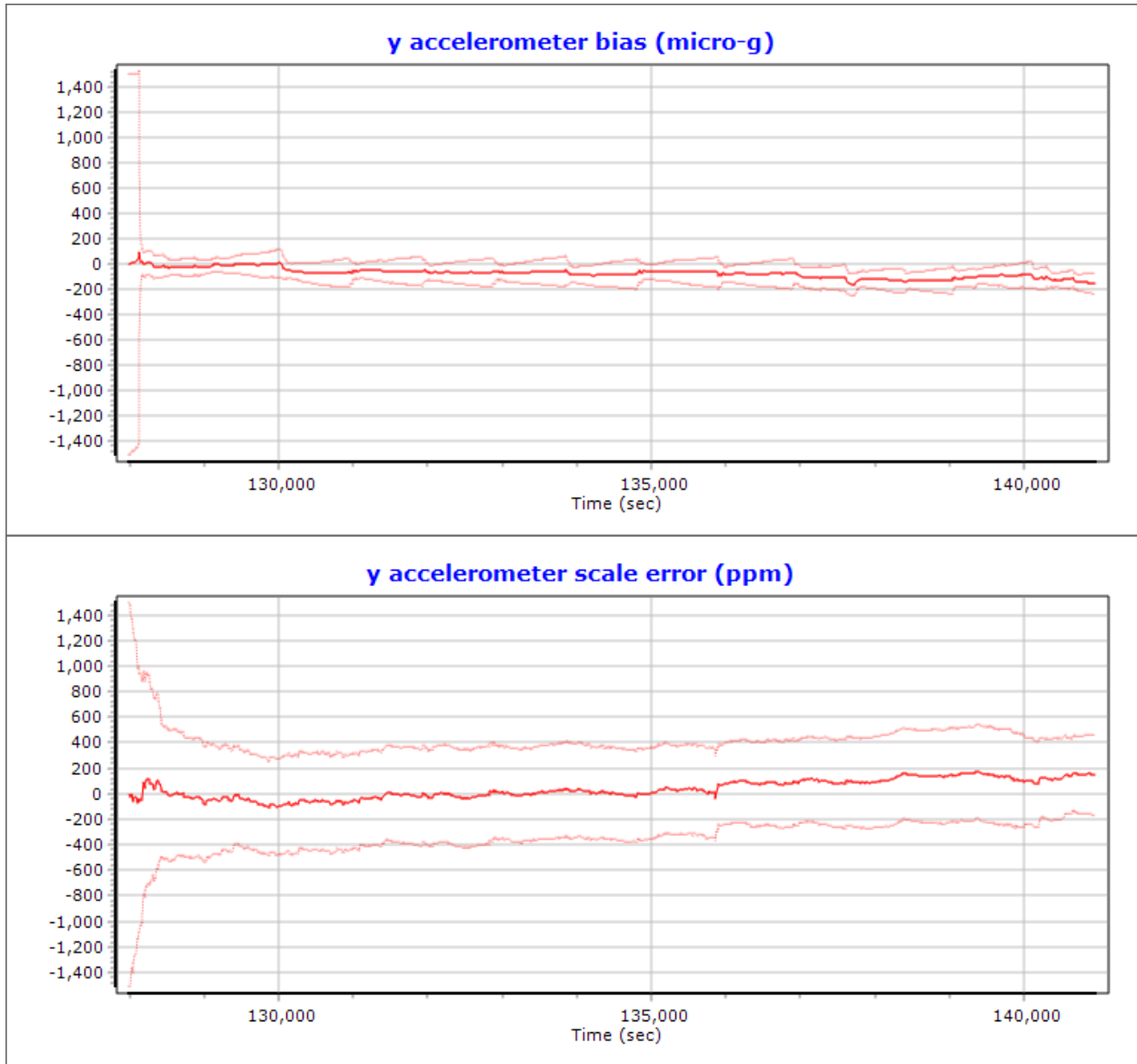
Maximum: 45.81
Minimum: 0.47
Average: 23.16
First Epoch: 40.486
Last Epoch: 40.662

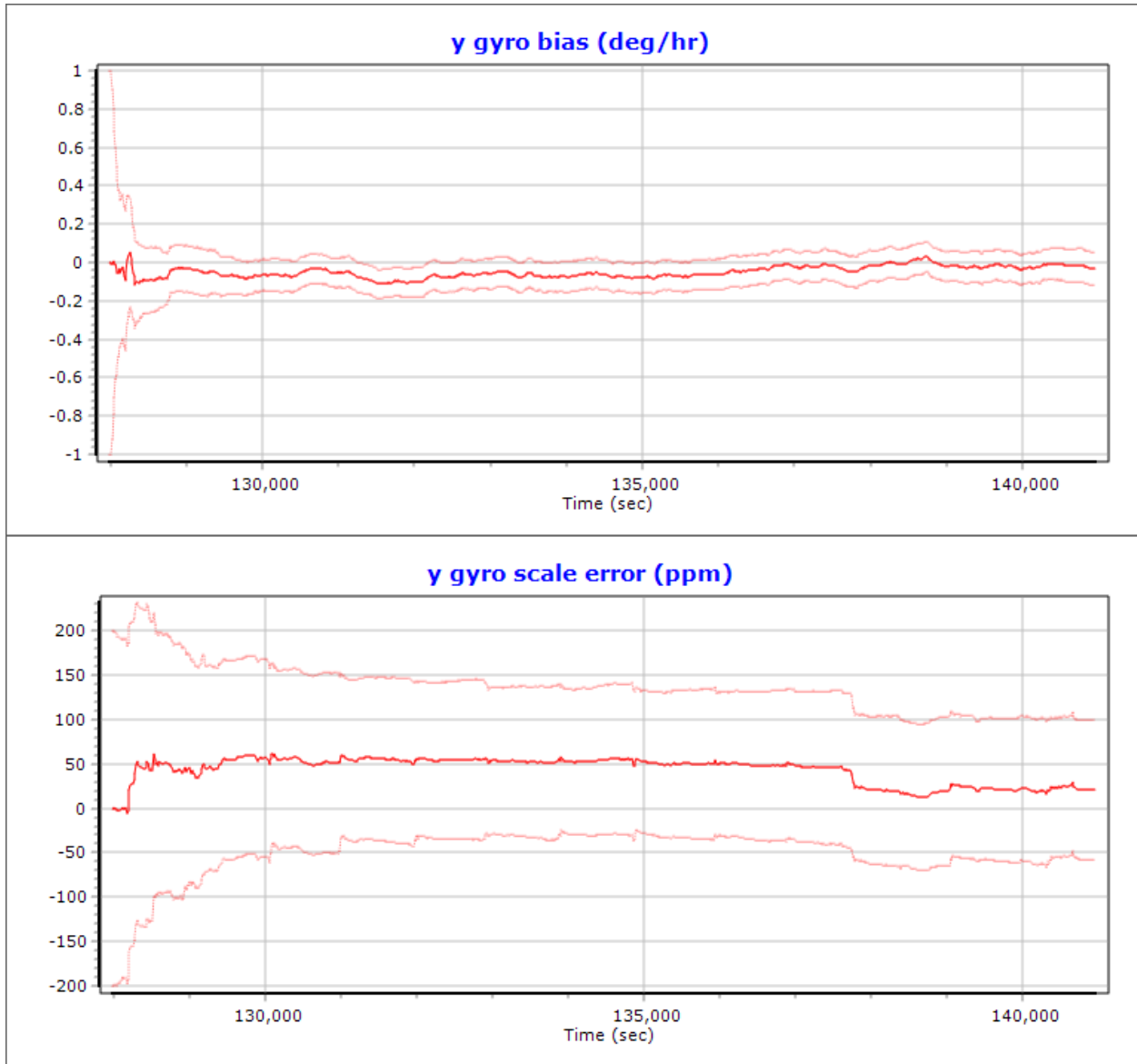
CORS Base Stations

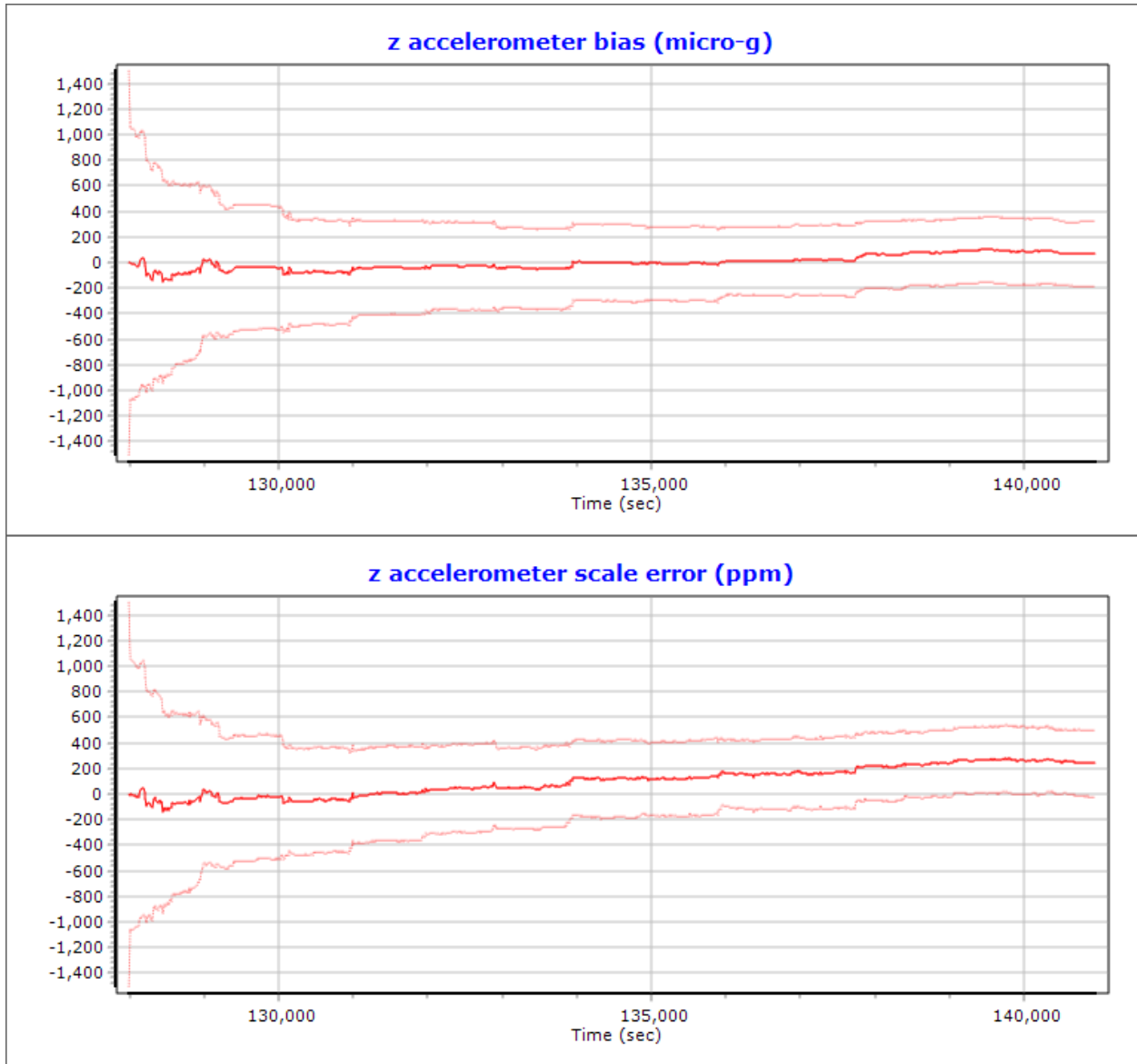
Station	Original (m)			Adjusted (m)		
	Latitude	Longitude	Altitude	Latitude	Longitude	Altitude
SCHA	N32°46'46.11669"	W79°55'31.31751"	-14.623	N32°46'46.11669"	W79°55'31.31751"	-14.624
SCWT	N32°54'12.37703"	W80°40'06.29560"	-3.409	N32°54'12.37699"	W80°40'06.29614"	-3.378
SCSR	N33°55'22.03580"	W80°20'26.60190"	35.145	N33°55'22.03601"	W80°20'26.60269"	35.163
SCHY	N33°56'23.76205"	W78°44'06.90329"	-17.463	N33°56'23.76218"	W78°44'06.90387"	-17.453
SCEB	N32°28'58.77962"	W80°19'55.92573"	-25.407	N32°28'58.77924"	W80°19'55.92579"	-25.396
GAAU	N33°28'17.14128"	W82°02'01.80716"	113.034	N33°28'17.14102"	W82°02'01.80758"	113.089
GAAE	N33°25'38.07514"	W82°04'04.06748"	124.365	N33°25'38.07559"	W82°04'04.06771"	124.371
COLA	N34°04'51.58332"	W81°07'18.03801"	81.574	N34°04'51.58305"	W81°07'18.03870"	81.619

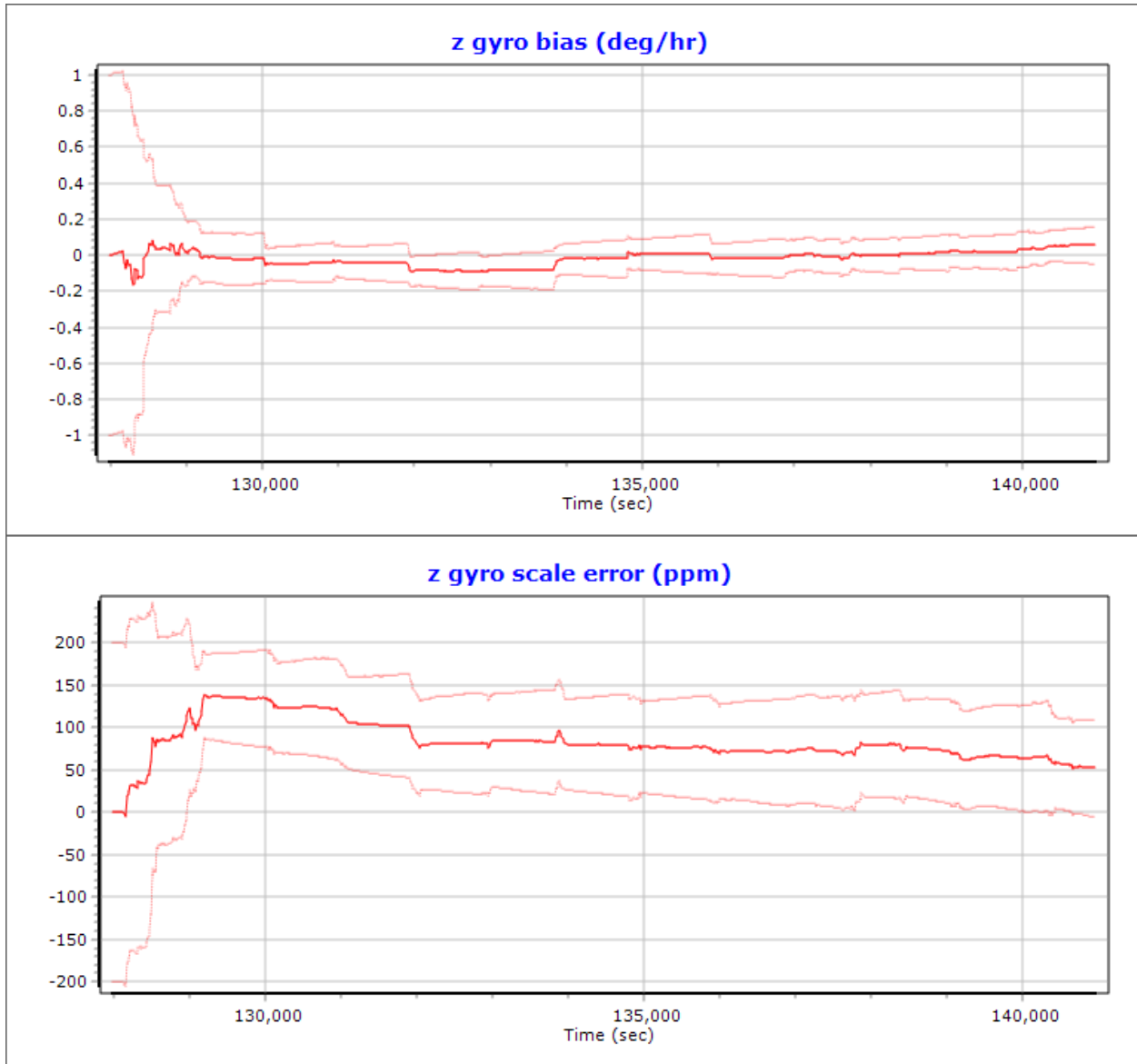


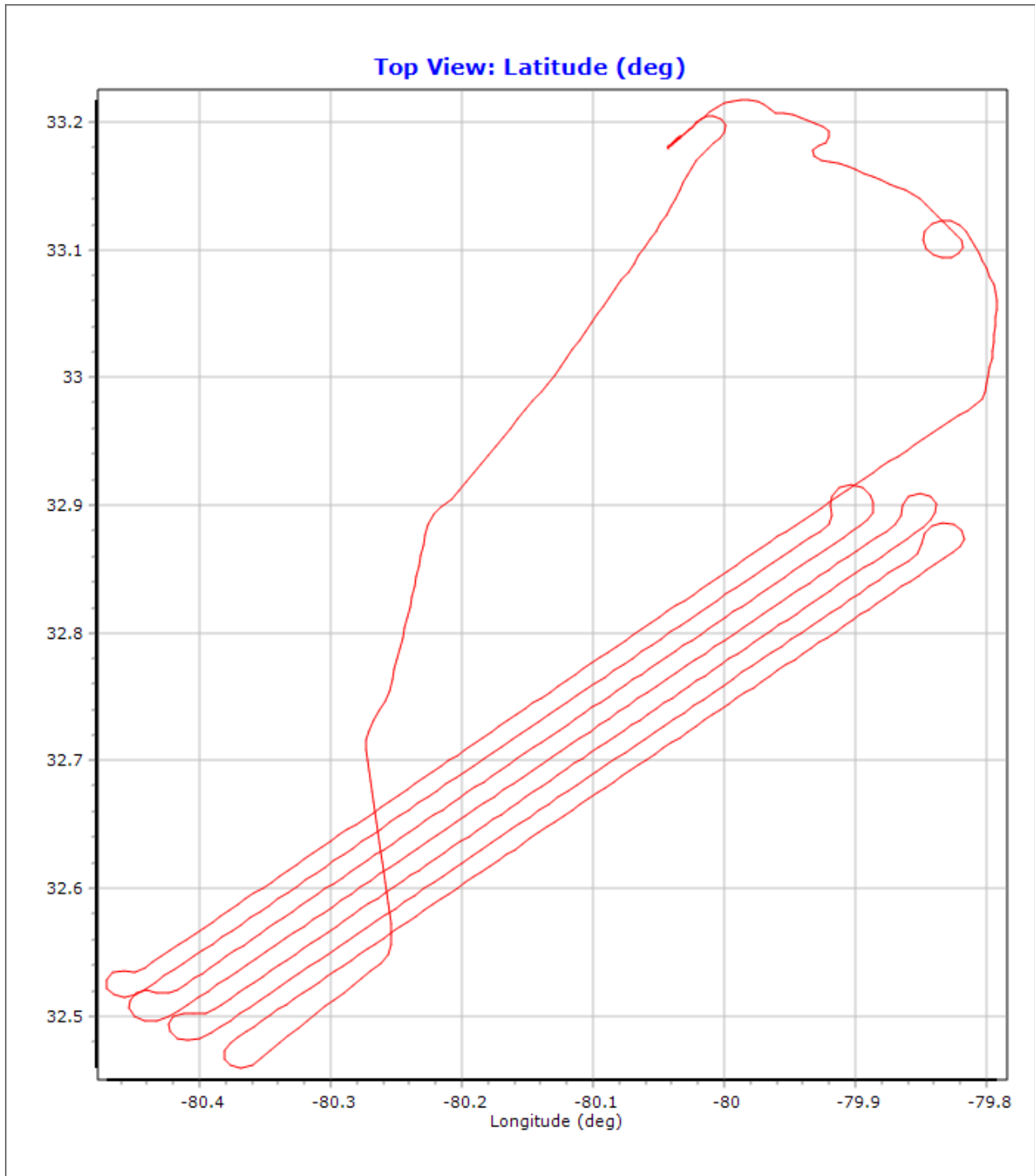


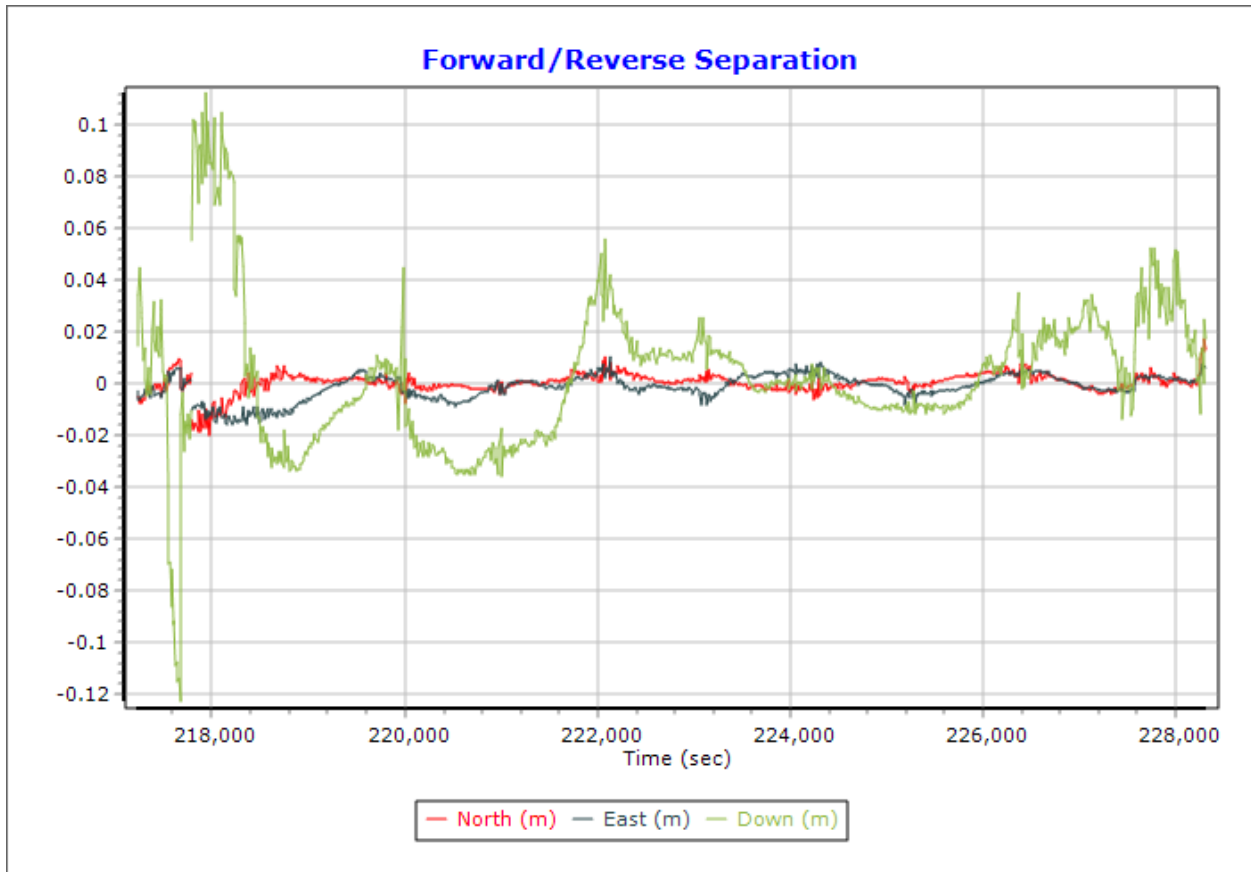


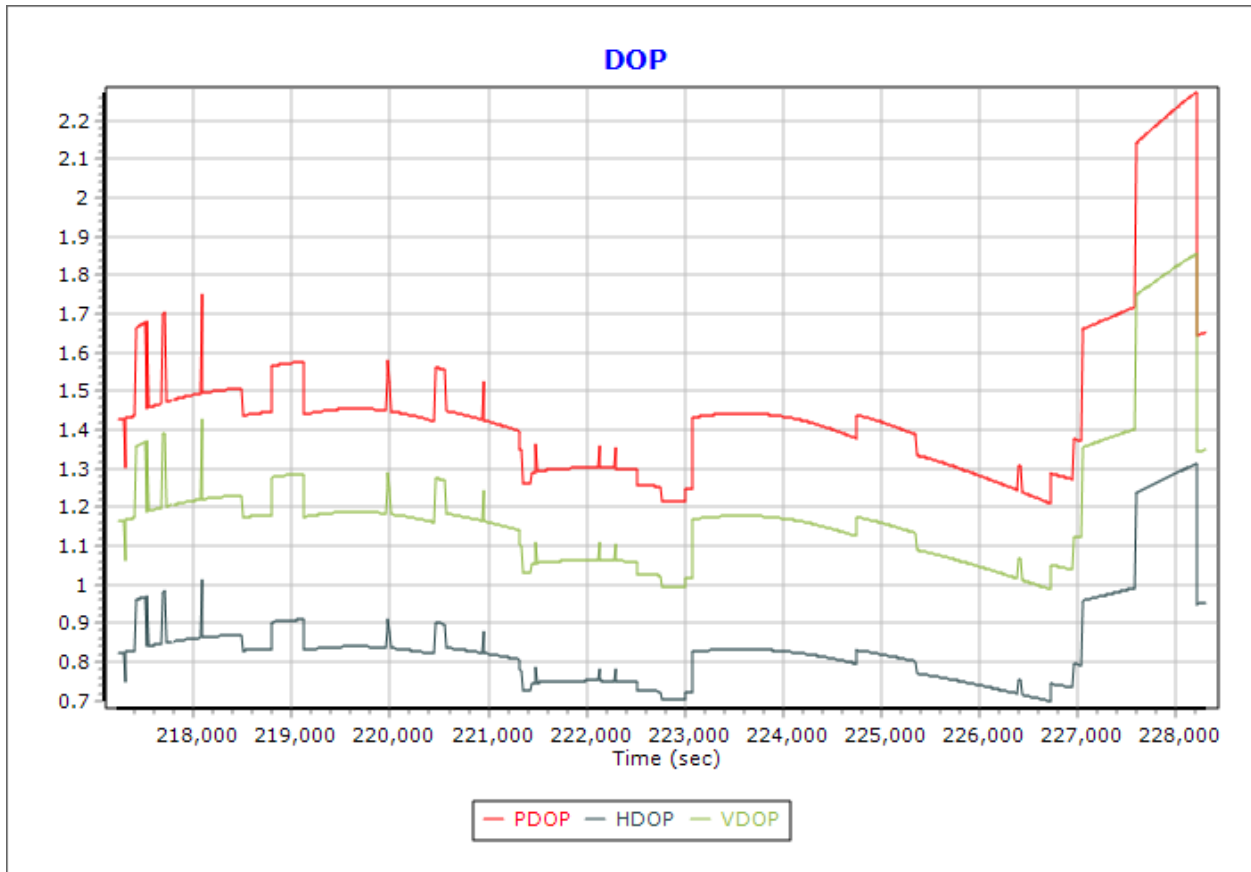


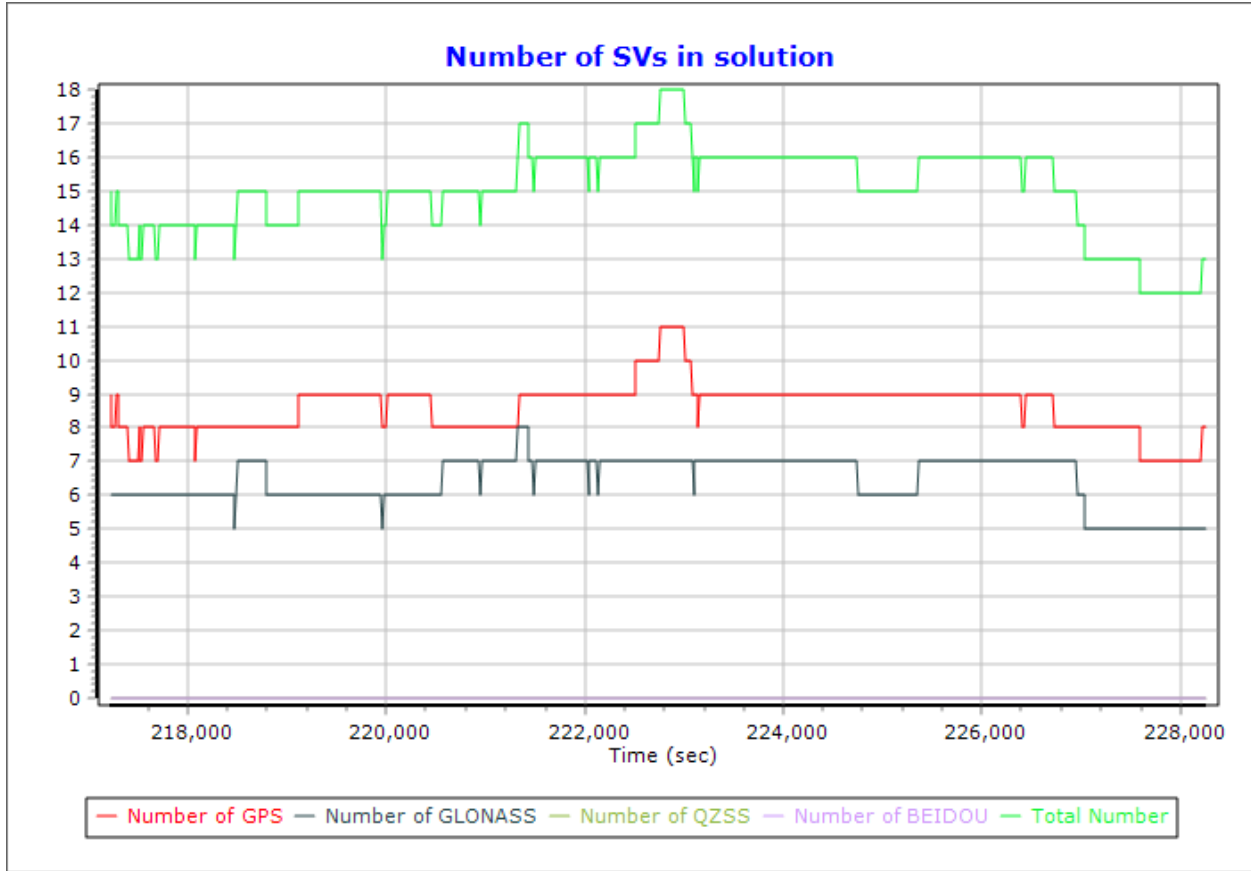












Processing Summary Information

Program: POSPac MMS
Version: 7.2.5934.15637
Project: \\sa\data\riegl\217001\20170307_SC_a\05_INS-
GPS_PROC\01_POS\20170307_SC_a.pospac

Solution Type: In-Fusion SmartBase

Fixed: 11057 (99.99%)
Float: 0 (0.0%)
No Solution: 1 (0.01%)

Number of Epochs:

Total in .raw file: 11108
No processed position: 51

Fwd/Rev Separation RMS Values (m):

East: 0.005
North: 0.004
Height: 0.028

Fwd/Rev Sep. RMS for 25%-75% weighting (m): 5553 occurrences

East: 0.004
North: 0.002
Height: 0.018

Position Standard Deviation Percentages:

0.00 - 0.10 m: 100.0 %
0.10 - 0.30 m: 0.0 %
0.30 - 1.00 m: 0.0 %
1.00 - 5.00 m: 0.0 %
5.00 m + over: 0.0 %

Percentages of epochs with DD_DOP over 10.00: 0%

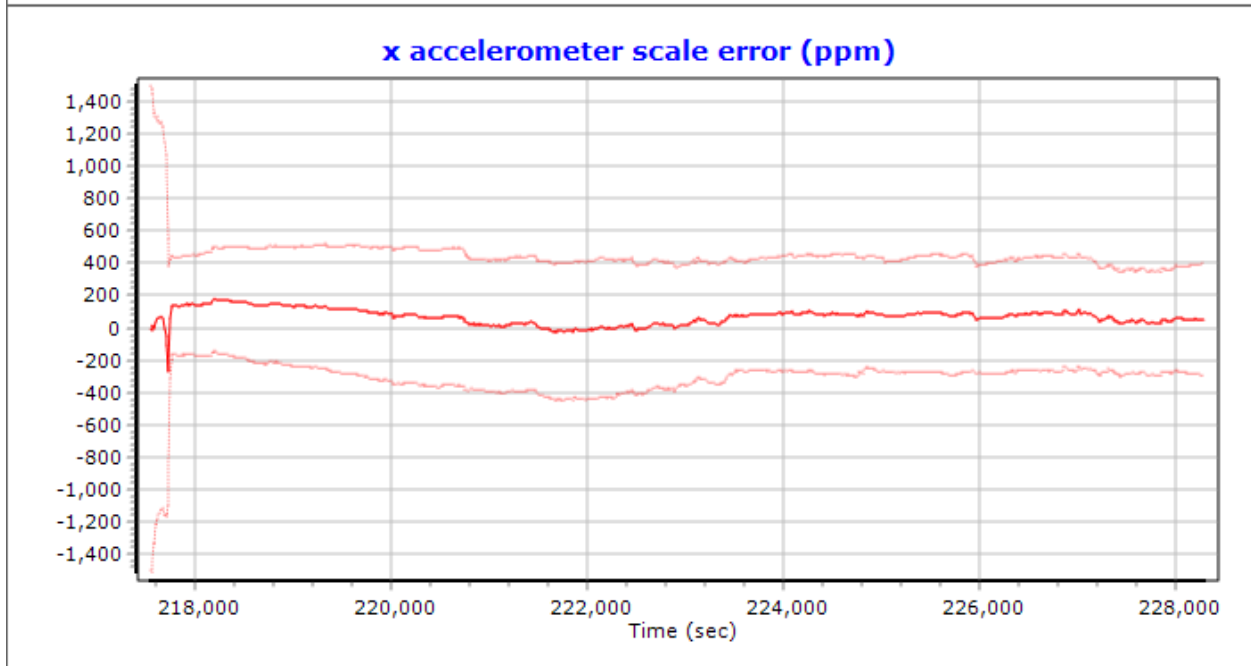
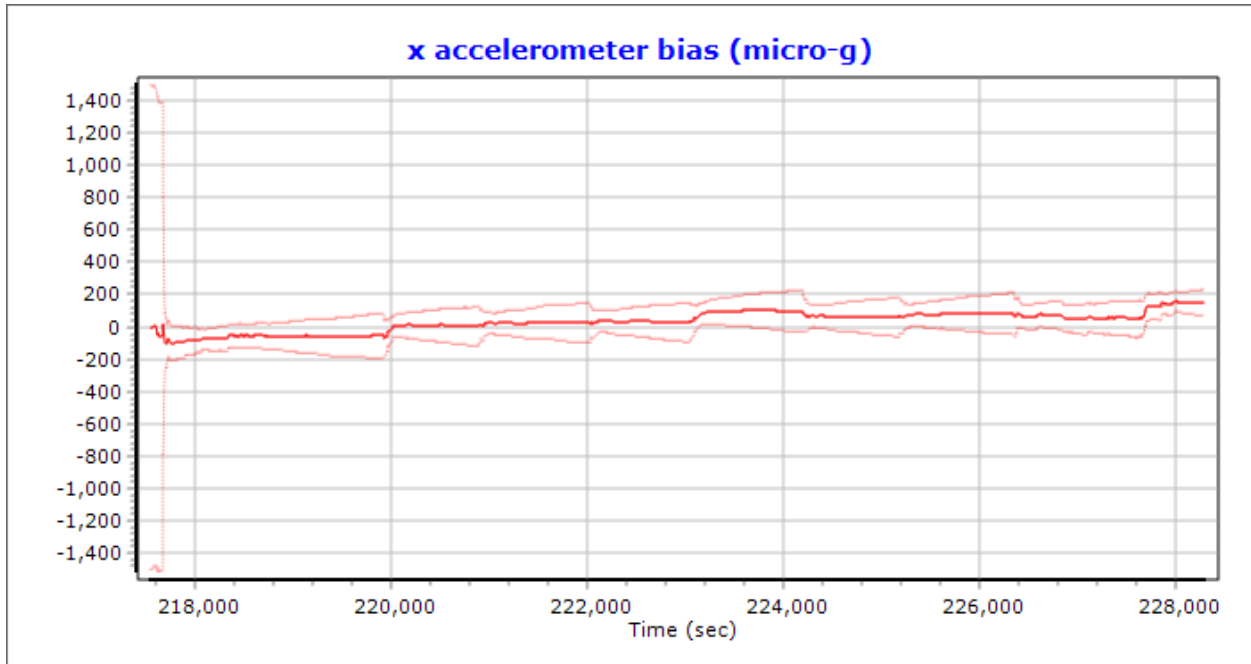
DOP over Tol: 1.46 %

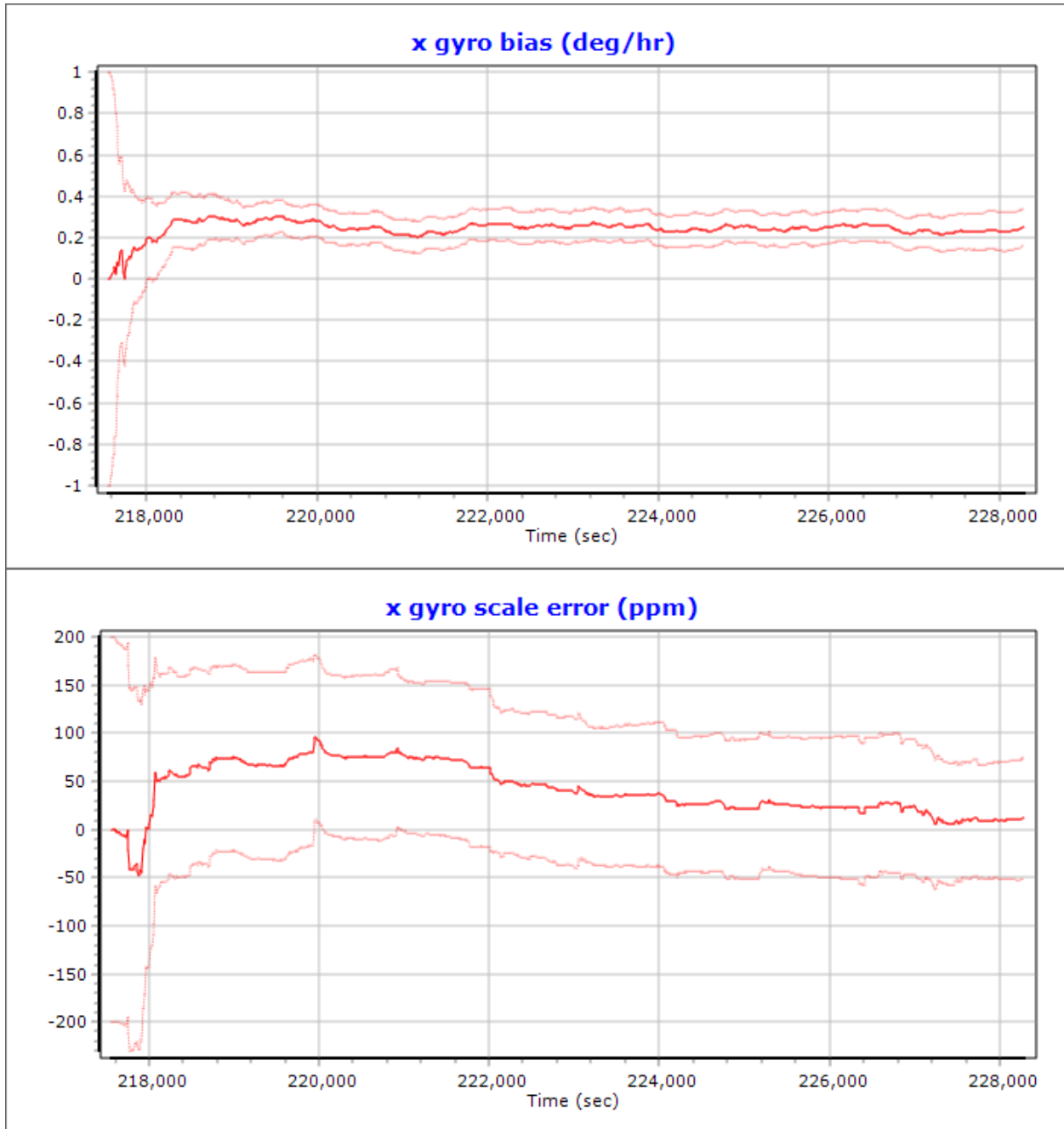
Baseline Distances (km):

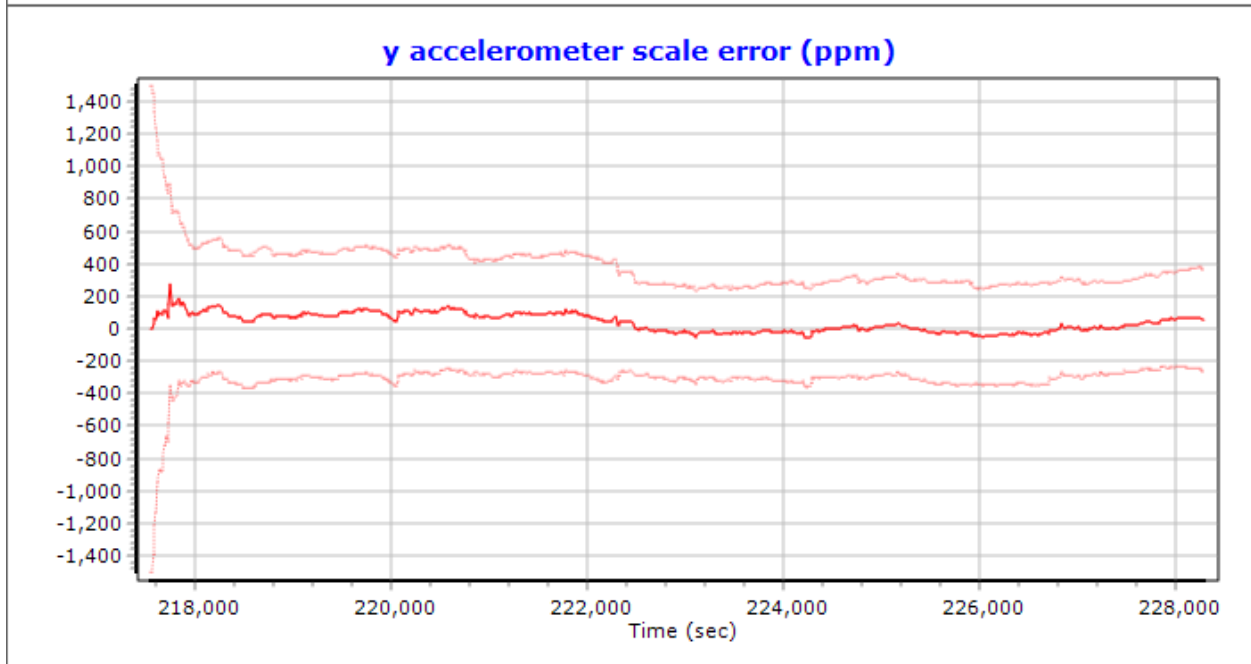
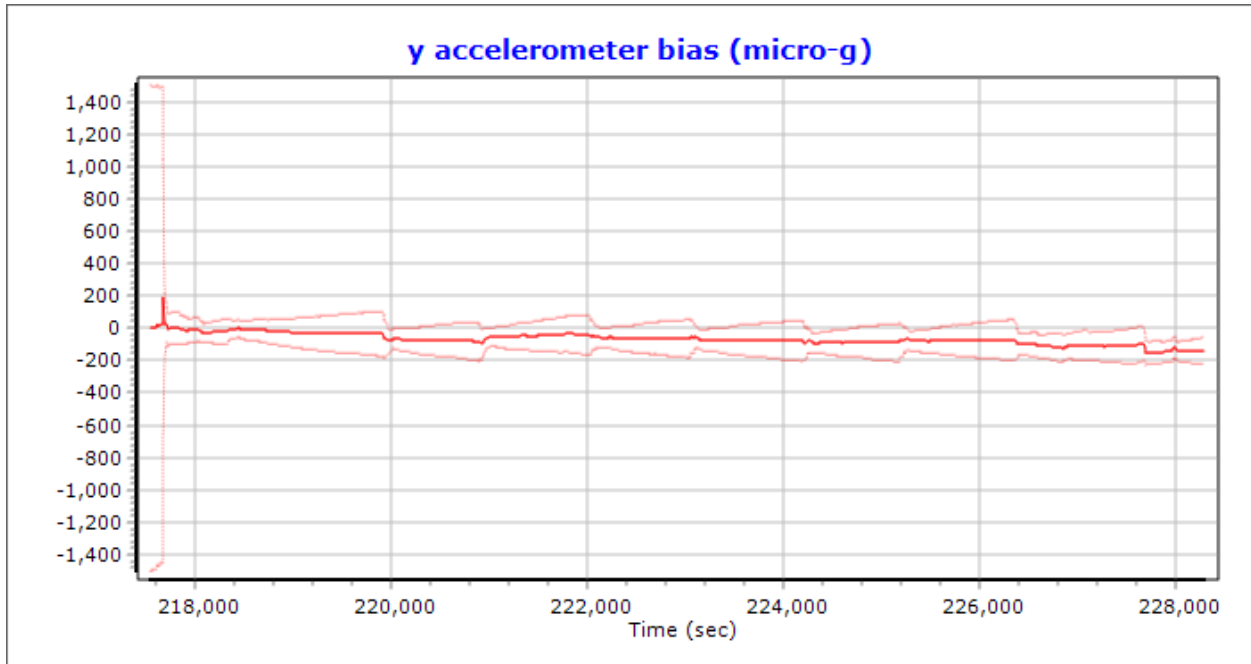
Maximum: 47.42
Minimum: 3.03
Average: 26.58
First Epoch: 43.203
Last Epoch: 43.374

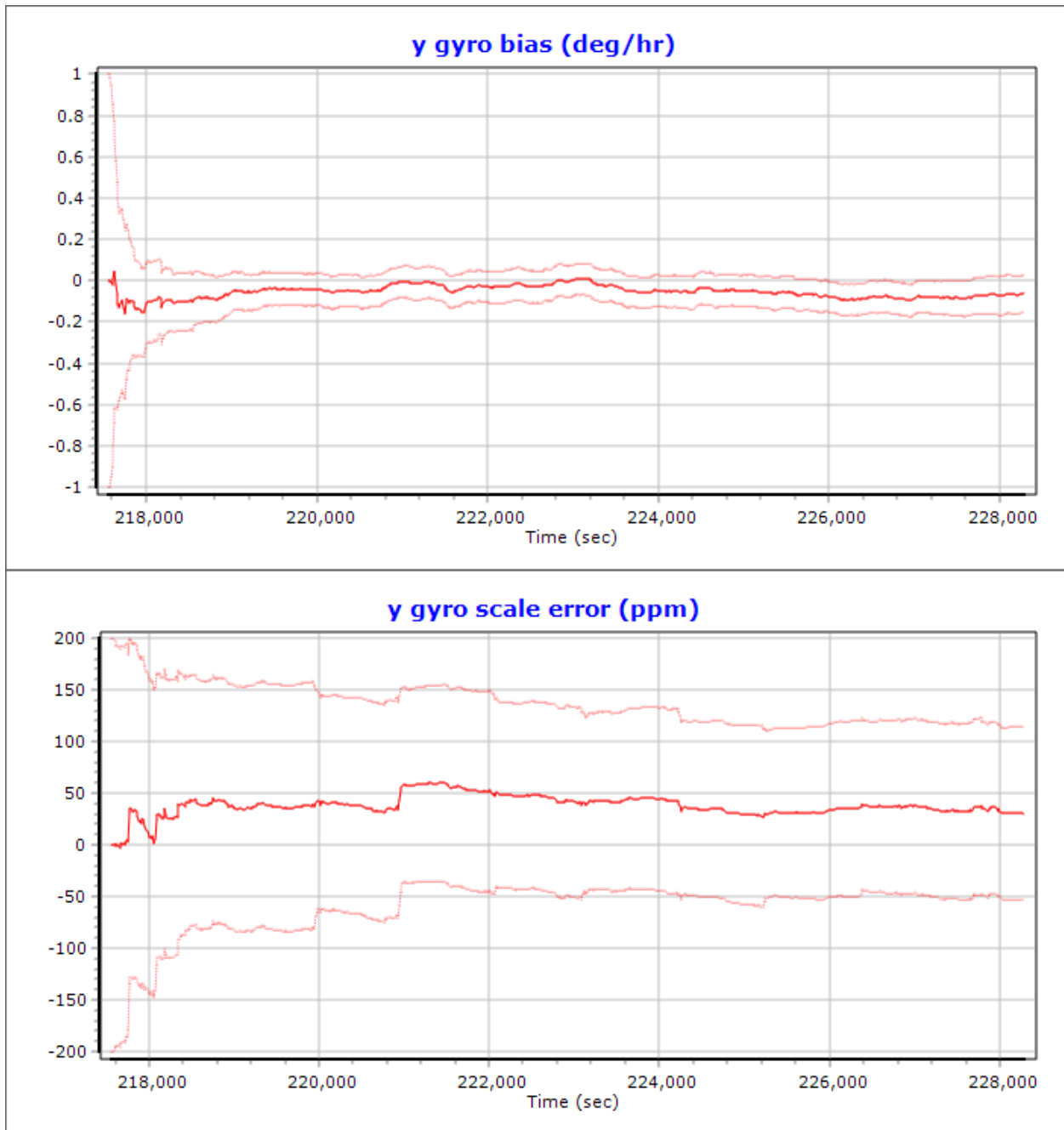
CORS Base Stations

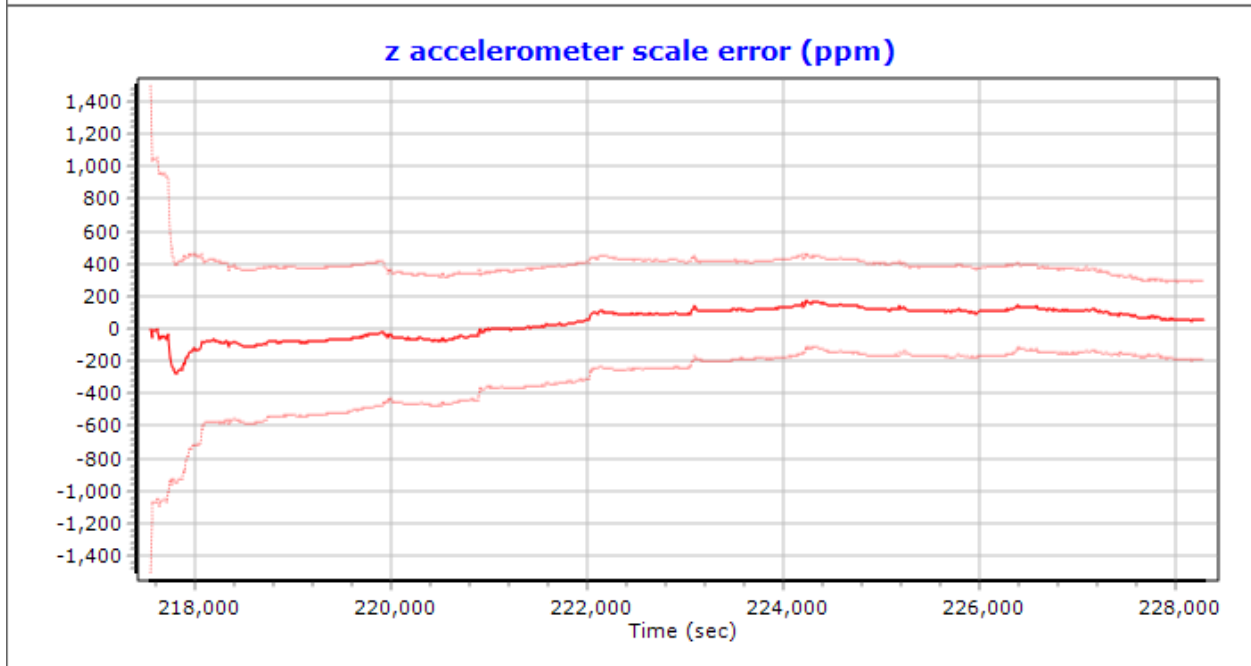
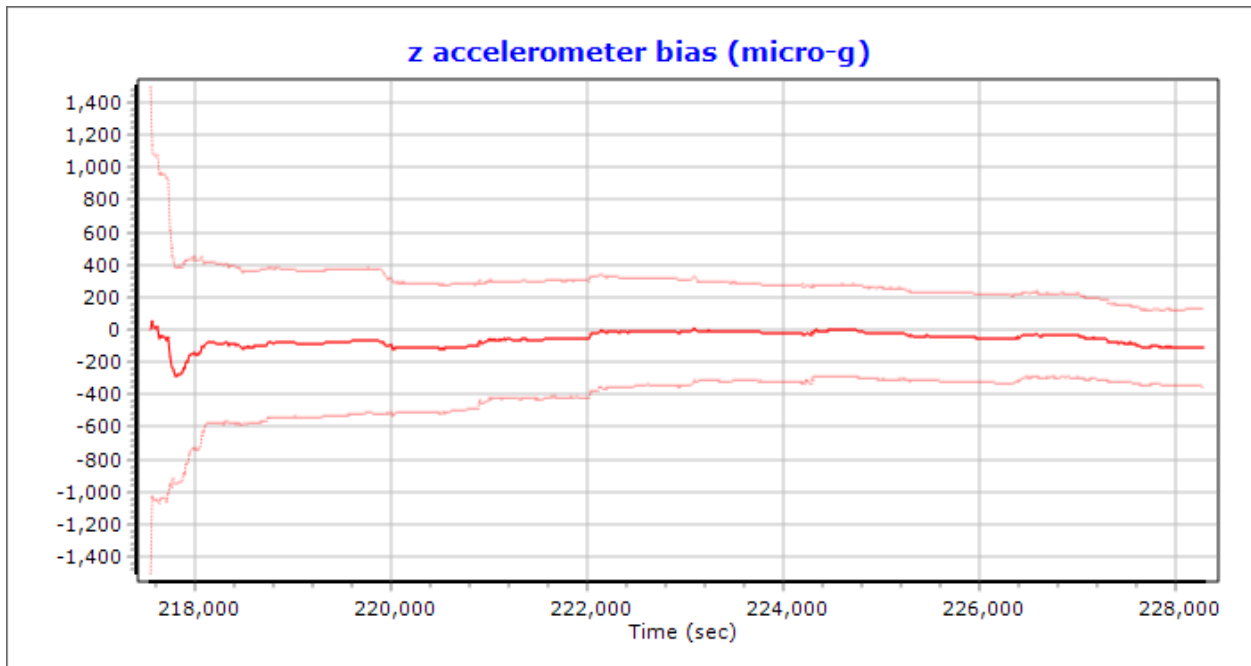
Station	Original (m)			Adjusted (m)		
	Latitude	Longitude	Altitude	Latitude	Longitude	Altitude
SCHA	N32°46'46.14082"	W79°55'31.33857"	-16.069	N32°46'46.11699"	W79°55'31.31731"	-14.634
SCWT	N32°54'12.37703"	W80°40'06.29560"	-3.409	N32°54'12.37736"	W80°40'06.29621"	-3.389
SCSR	N33°55'22.03580"	W80°20'26.60190"	35.145	N33°55'22.03653"	W80°20'26.60259"	35.139
SCEB	N32°28'58.77962"	W80°19'55.92573"	-25.407	N32°28'58.77962"	W80°19'55.92573"	-25.407

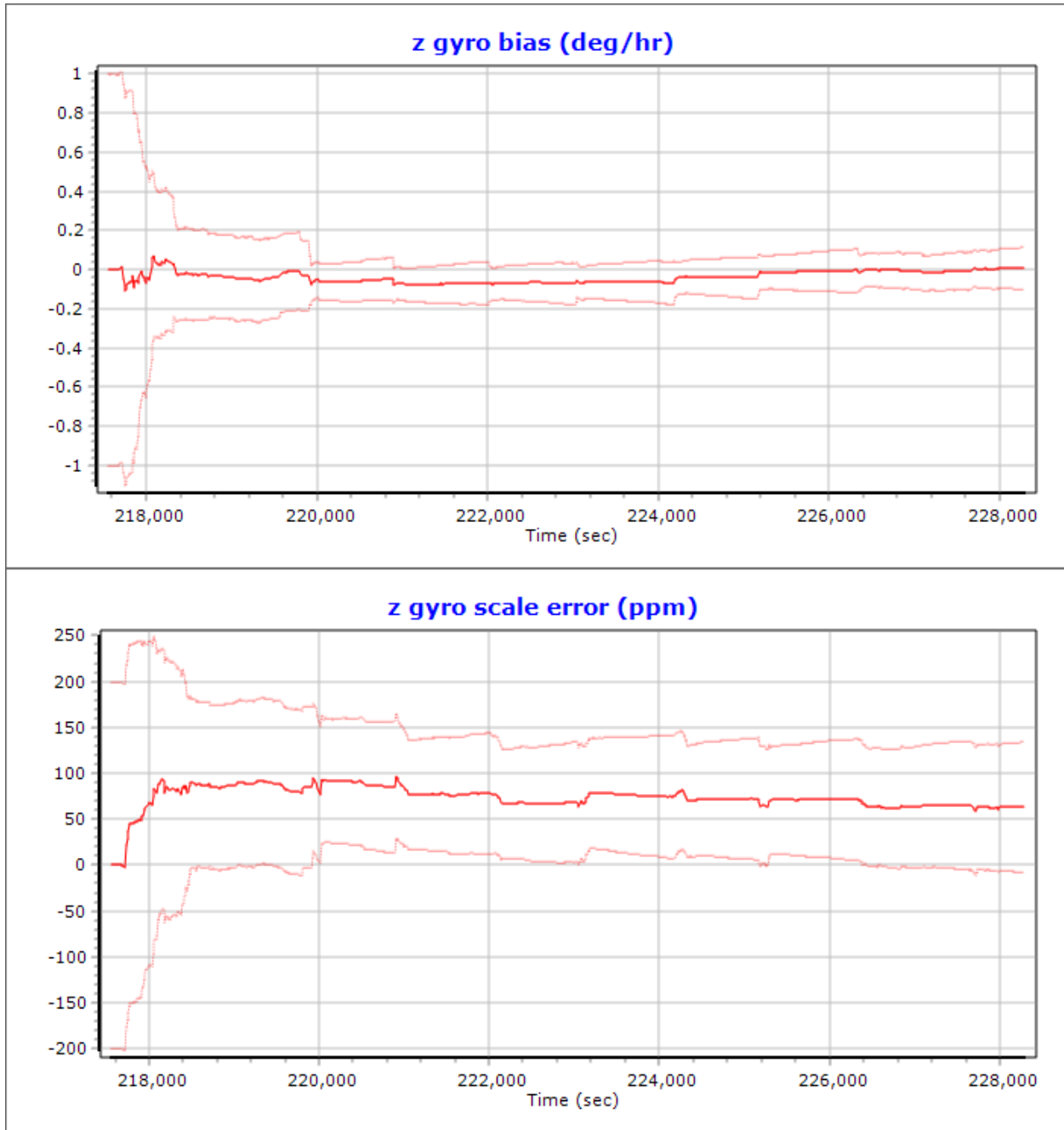


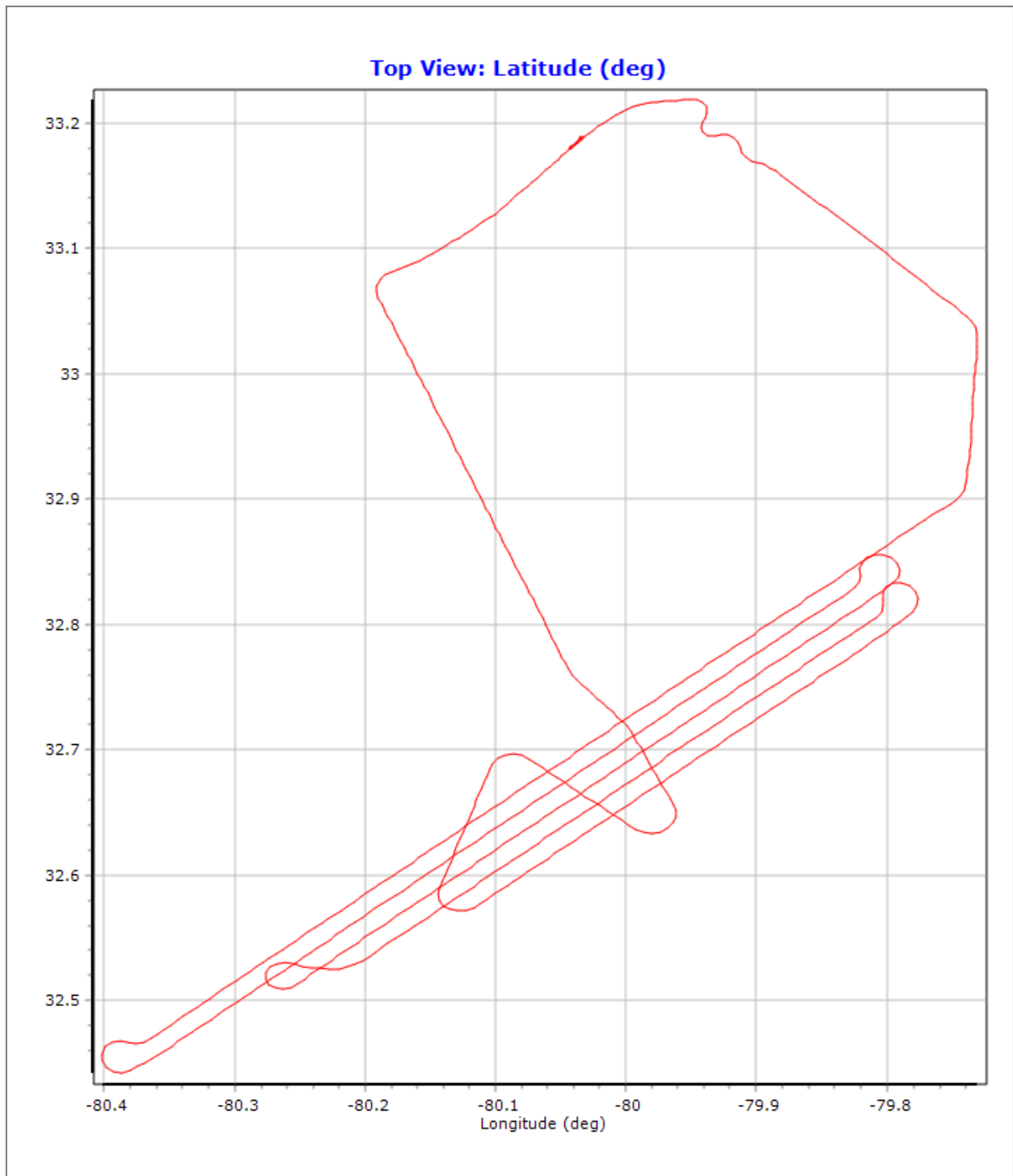




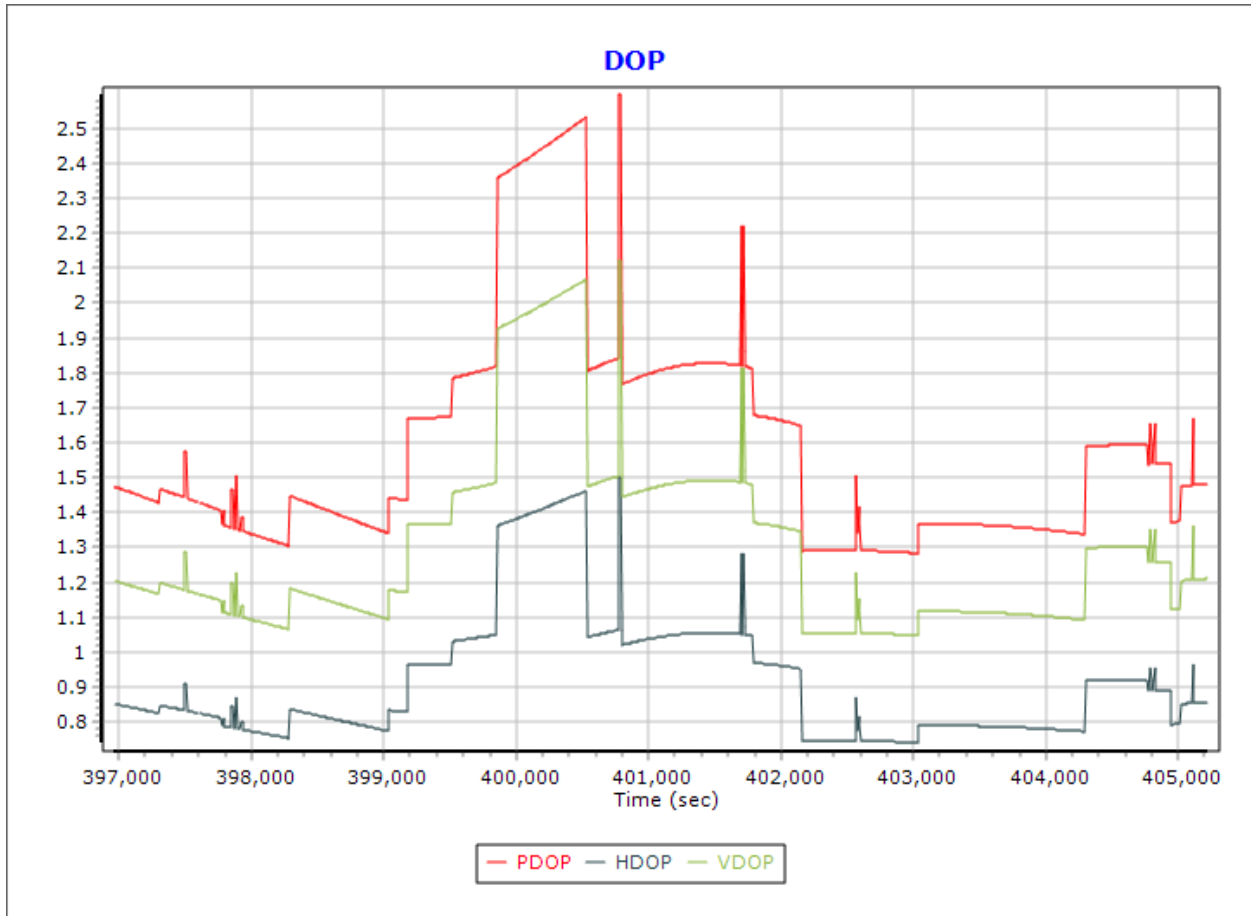


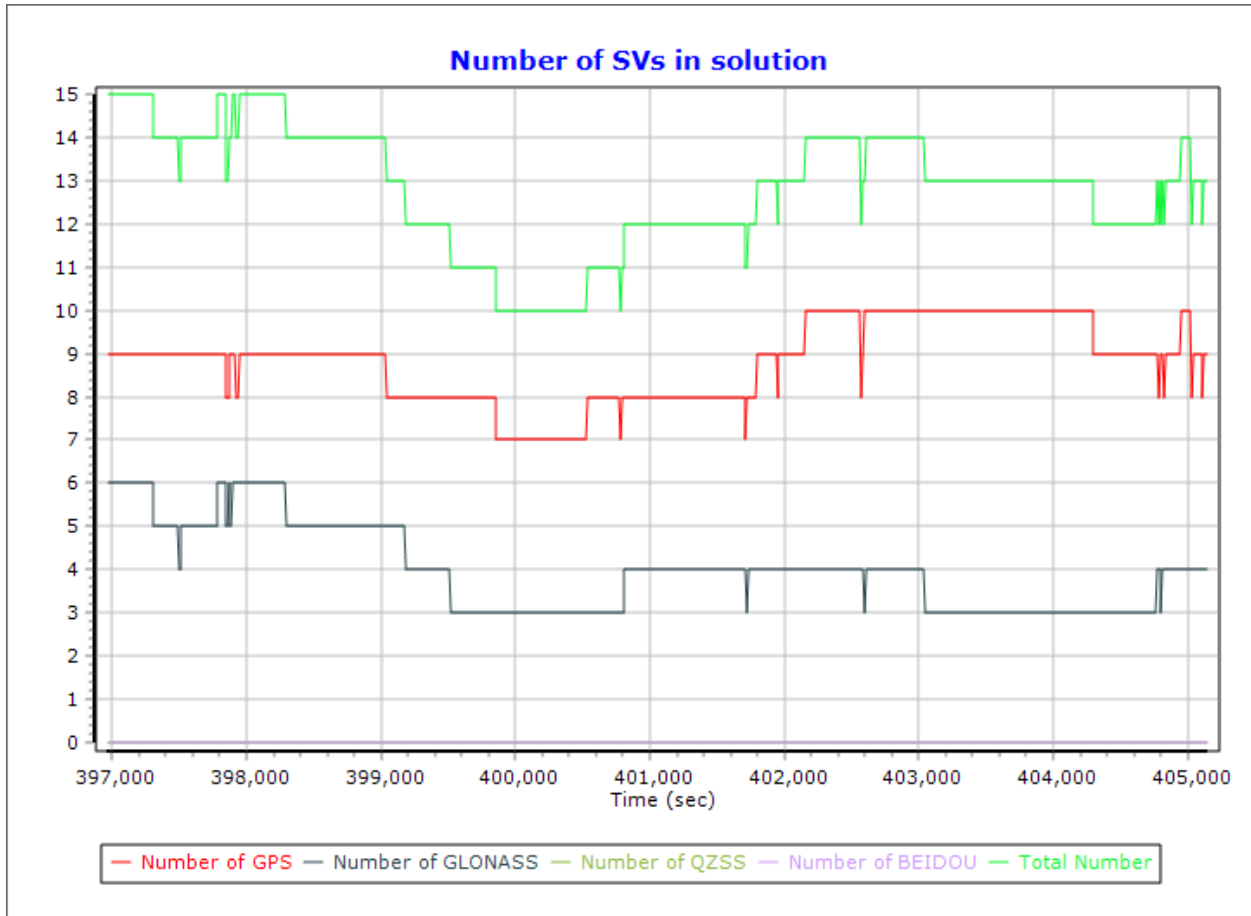












Processing Summary Information

Program: POSpac MMS
Version: 7.2.5934.15637
Project: \\sa\data\riegl\217001\20170309_SC_a\05_INS-GPS_PROC\01_POS\20170309_SC_a.pospac

Solution Type: In-Fusion SmartBase

Fixed: 8190 (99.99%)
Float: 0 (0.0%)
No Solution: 1 (0.01%)

Number of Epochs:

Total in .raw file: 8267
No processed position: 77

Fwd/Rev Separation RMS Values (m):

East: 0.011
North: 0.011
Height: 0.061

Fwd/Rev Sep. RMS for 25%-75% weighting (m): 4133 occurrences

East: 0.02
North: 0.03
Height: 0.027

Position Standard Deviation Percentages:

0.00 - 0.10 m: 100.0 %
0.10 - 0.30 m: 0.0 %
0.30 - 1.00 m: 0.0 %
1.00 - 5.00 m: 0.0 %
5.00 m + over: 0.0 %

Percentages of epochs with DD_DOP over 10.00: 0%

DOP over Tol: 1.59 %

Baseline Distances (km):

Maximum: 53.91
Minimum: 3.69
Average: 26.87
First Epoch: 41.369
Last Epoch: 41.398

CORS Base Stations

Station	Original (m)			Adjusted (m)		
	Latitude	Longitude	Altitude	Latitude	Longitude	Altitude
SCHA	N32°46'46.11669"	W79°55'31.31751"	-14.623	N32°46'46.11669"	W79°55'31.31751"	-14.624
SCWT	N32°54'12.37703"	W80°40'06.29560"	-3.409	N32°54'12.37709"	W80°40'06.29618"	-3.379
SCSR	N33°55'22.03580"	W80°20'26.60190"	35.145	N33°55'22.03616"	W80°20'26.60238"	35.16
SCHY	N33°56'23.76205"	W78°44'06.90329"	-17.463	N33°56'23.76228"	W78°44'06.90345"	-17.455
SCEB	N32°28'58.77962"	W80°19'55.92574"	-25.407	N32°28'58.77926"	W80°19'55.92582"	-25.397
NCSL	N33°58'57.22690"	W78°23'24.32662"	-11.422	N33°58'57.22738"	W78°23'24.32679"	-11.427
COLA	N34°04'51.58332"	W81°07'18.03801"	81.574	N34°04'51.58323"	W81°07'18.03849"	81.618

