

U.S. Army Corps of Engineers – Tennessee LiDAR-Appendix F: GPS Processing Report

**GPS Processing Report for the Add-On 2012 Tennessee LiDAR Acquisition Produced
for U.S. Army Corps of Engineers**

USACE Contract: W912P9-10-D-0534

Task Order: 0001

Report Date: 11/28/2012

SUBMITTED BY:

Dewberry

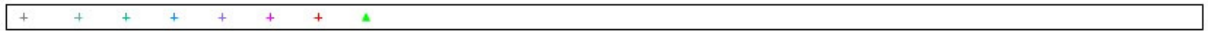
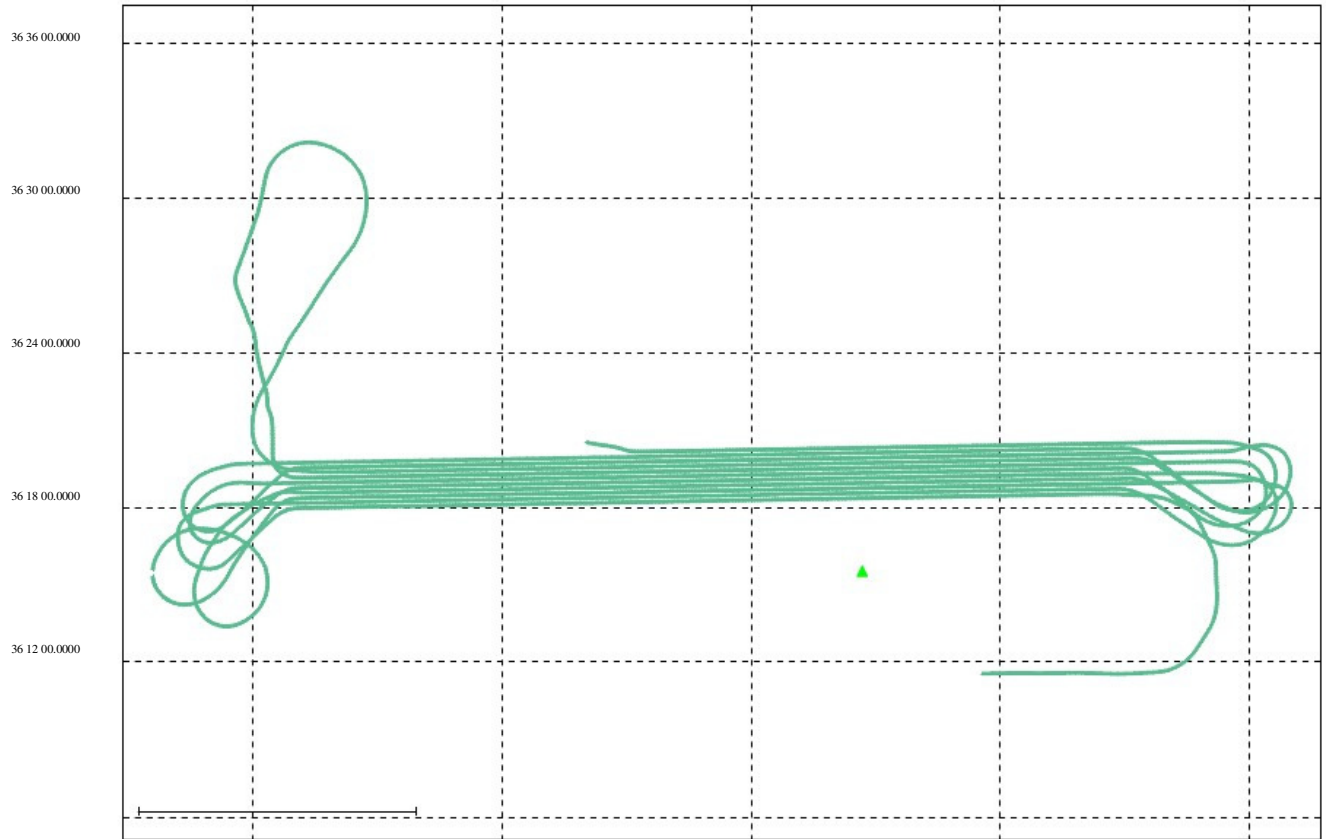
1000 North Ashley Drive Suite 801
Tampa, FL 33602
813.225.1325

SUBMITTED TO:

U.S. Army Corps of Engineers

1222 Spruce St
St. Louis, Missouri 63103
314.331.8385

Combined - Map Run (21)



36 06 00.0000

20 km

89 00 00.0001

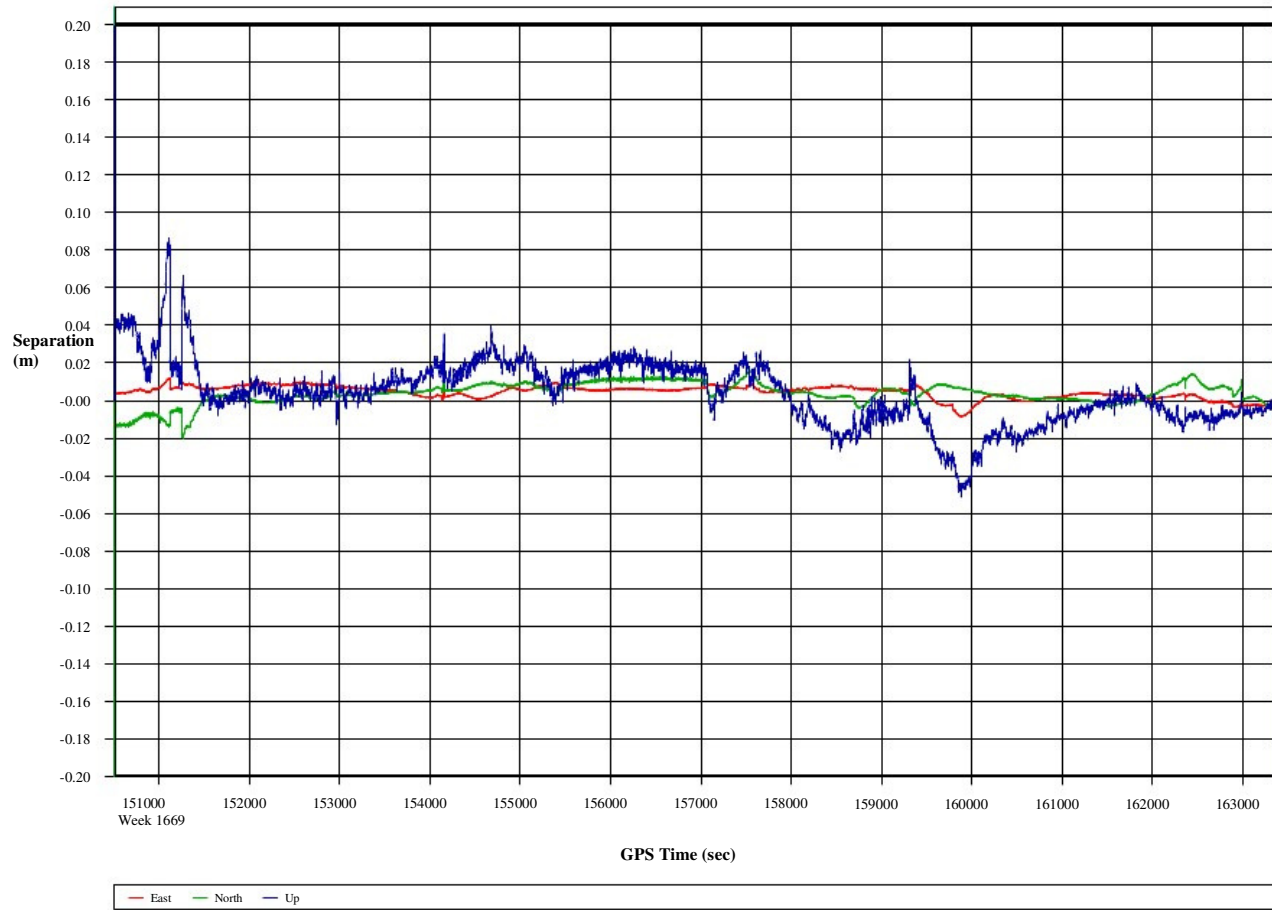
88 48 00.0001

88 36 00.0000

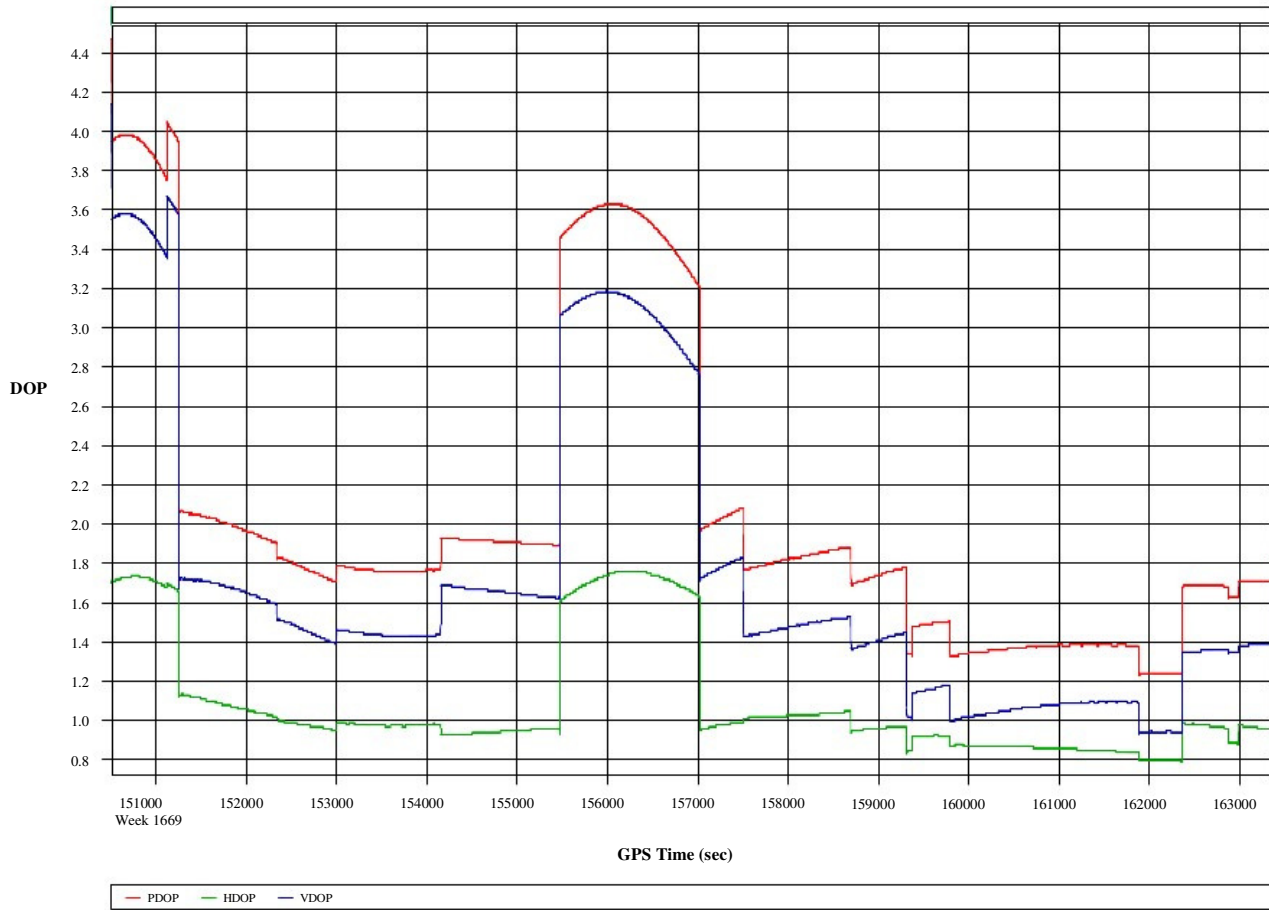
88 24 00.0000

88 12 00.0000

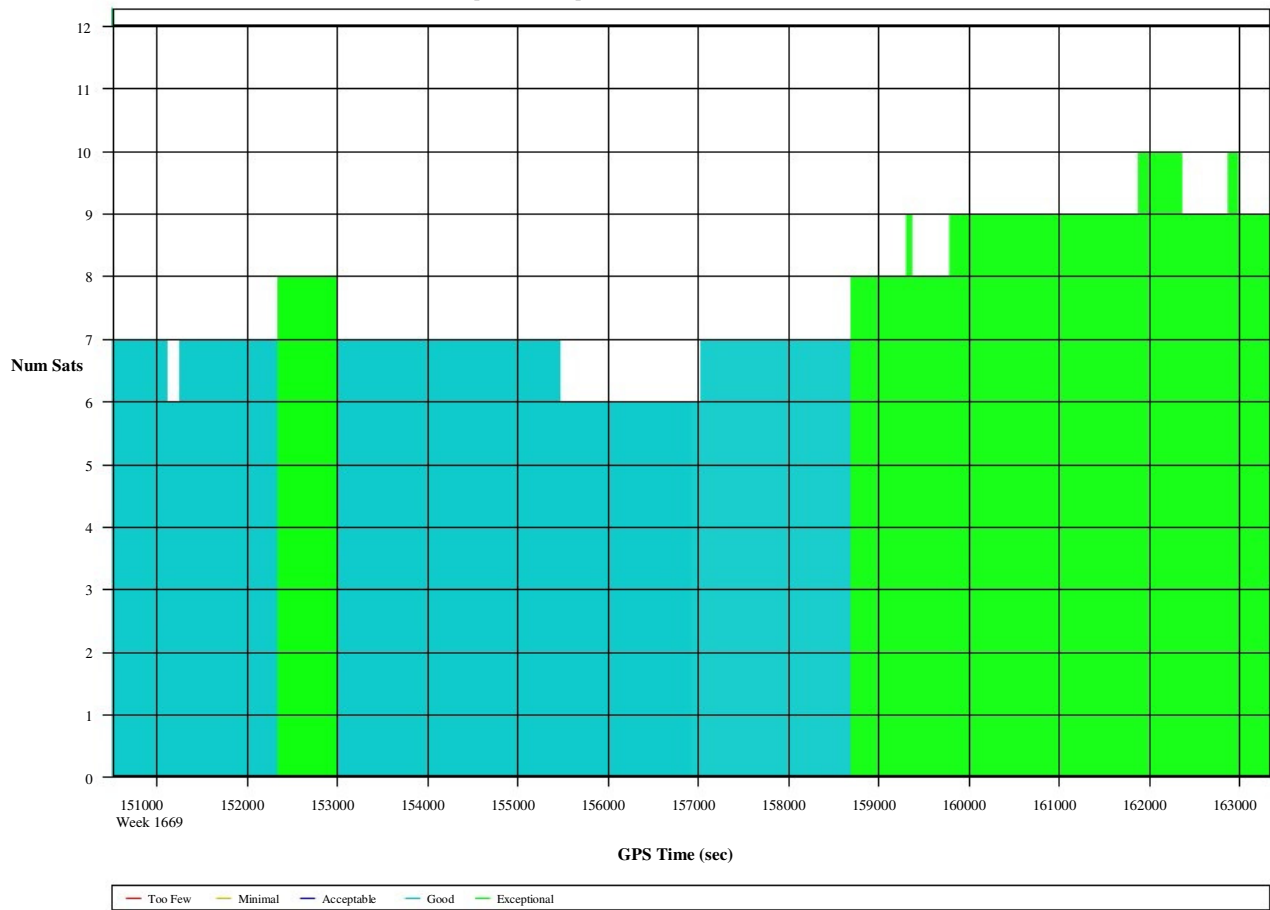
00212a [Combined] - Forward/Reverse or Combined Separation Plot



00212a [Combined] - PDOP, HDOP, VDOP Plots



00212a [Combined] - Number of Satellites Bar Plot



00212a_summary.txt
Processing Summary Information

Program: POSGPS
Version: 4.30.3108
Project: G:\Projects\COE\Tenn\2012\00212a\pos\GPS\00212a.gnv

Solution Type: Combined Fwd/Rev

Number of Epochs:

Total in GPB file:	144143
No processed position:	131300
Missing Fwd or Rev:	4
With bad C/A code:	0
With bad L1 Phase:	0

Measurement RMS Values:

L1 Phase:	0.0169 (m)
C/A Code:	0.96 (m)
L1 Doppler:	0.028 (m/s)

Fwd/Rev Separation RMS Values:

East:	0.006 (m)
North:	0.011 (m)
Height:	0.021 (m)

Fwd/Rev Sep. RMS for 25%-75% weighting (12837 occurrences):

East:	0.006 (m)
North:	0.007 (m)
Height:	0.017 (m)

Quality Number Percentages:

Q 1:	100.0 %
Q 2:	0.0 %
Q 3:	0.0 %
Q 4:	0.0 %

Q 5: 0.0 %

Q 6: 0.0 %

Position Standard Deviation Percentages:

0.00 - 0.10 m: 82.1 %

0.10 - 0.30 m: 17.9 %

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: 0.9 %

Baseline Distances:

Maximum: 51.678 (km)

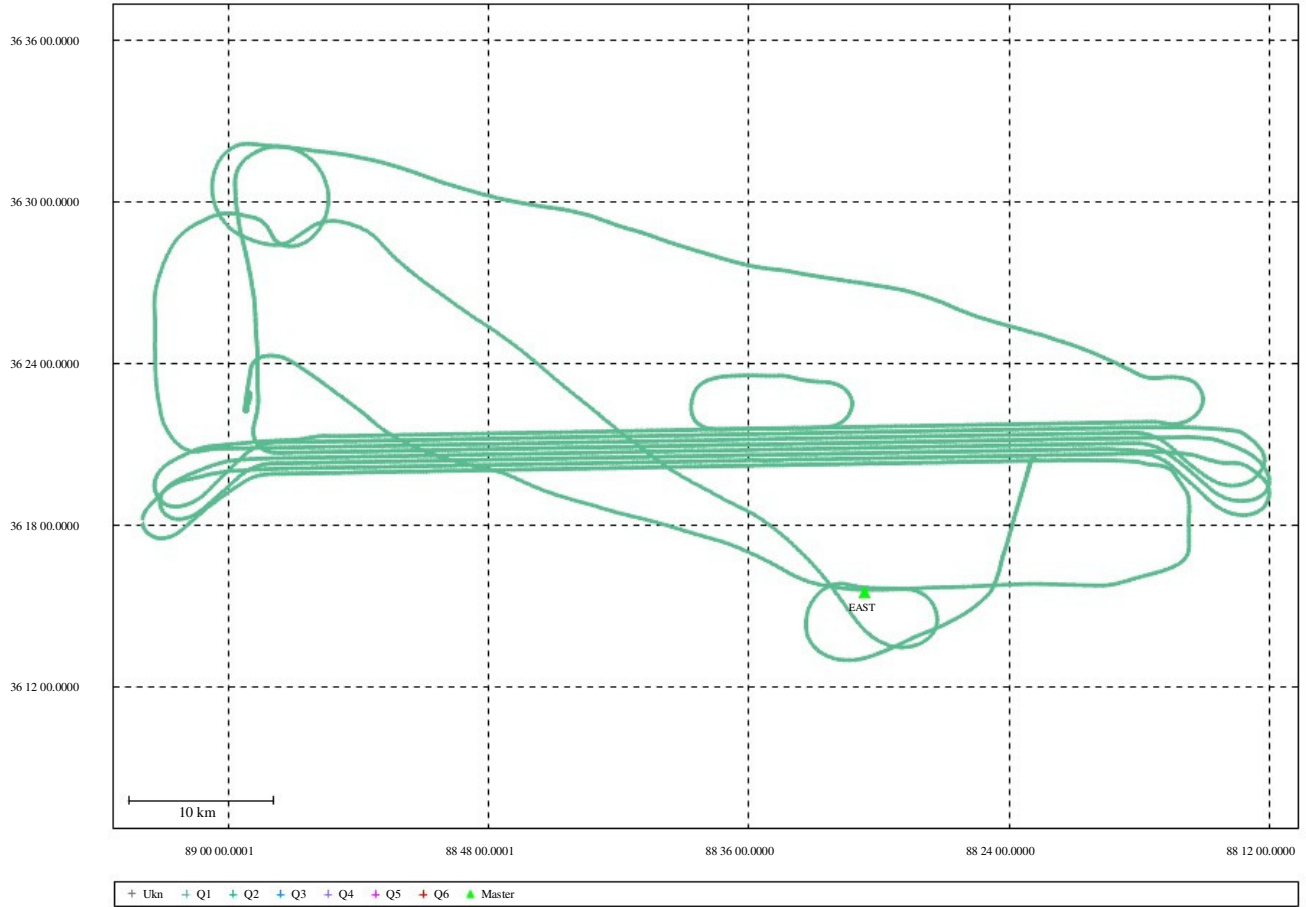
Minimum: 5.316 (km)

Average: 24.393 (km)

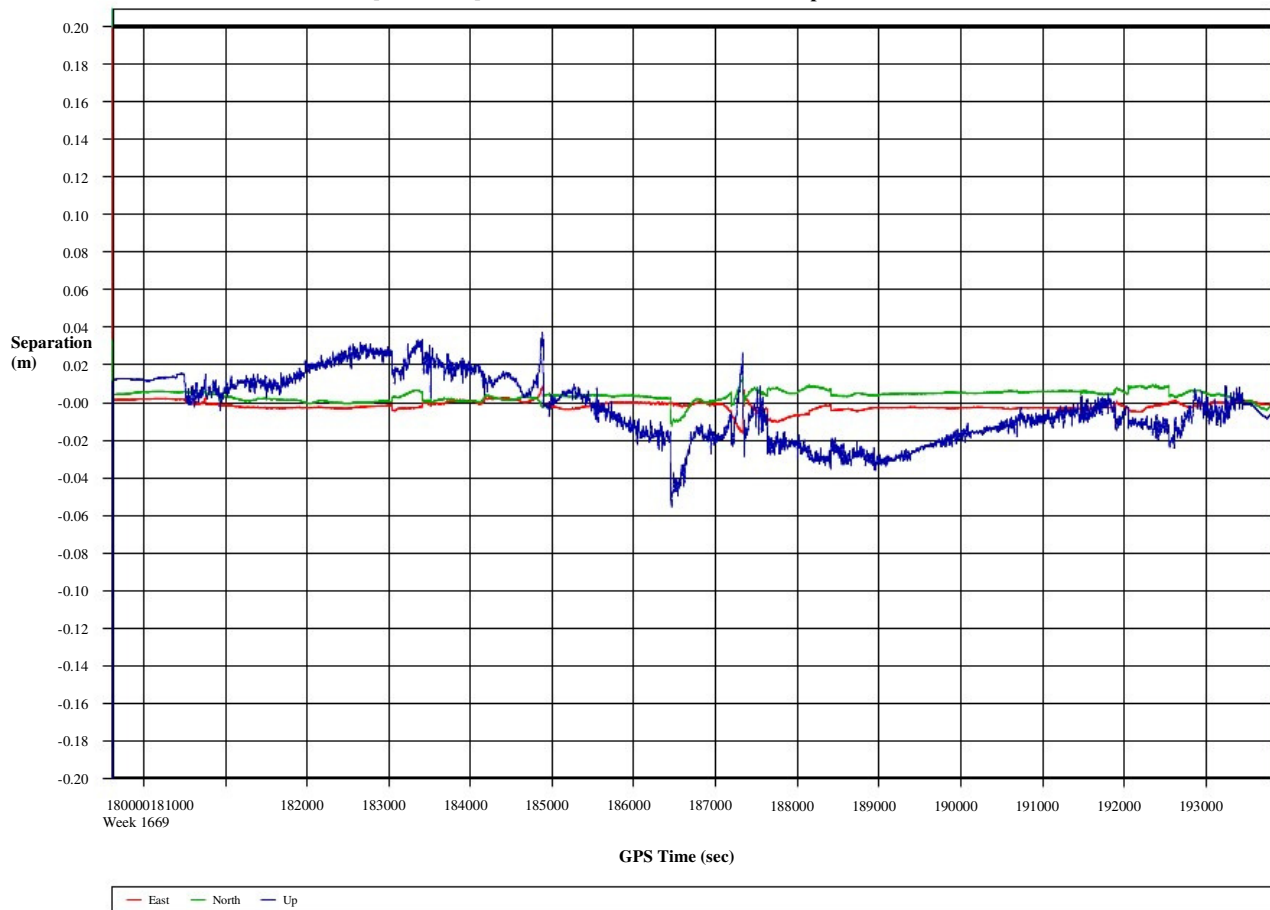
First Epoch: 11.454 (km)

Last Epoch: 21.931 (km)

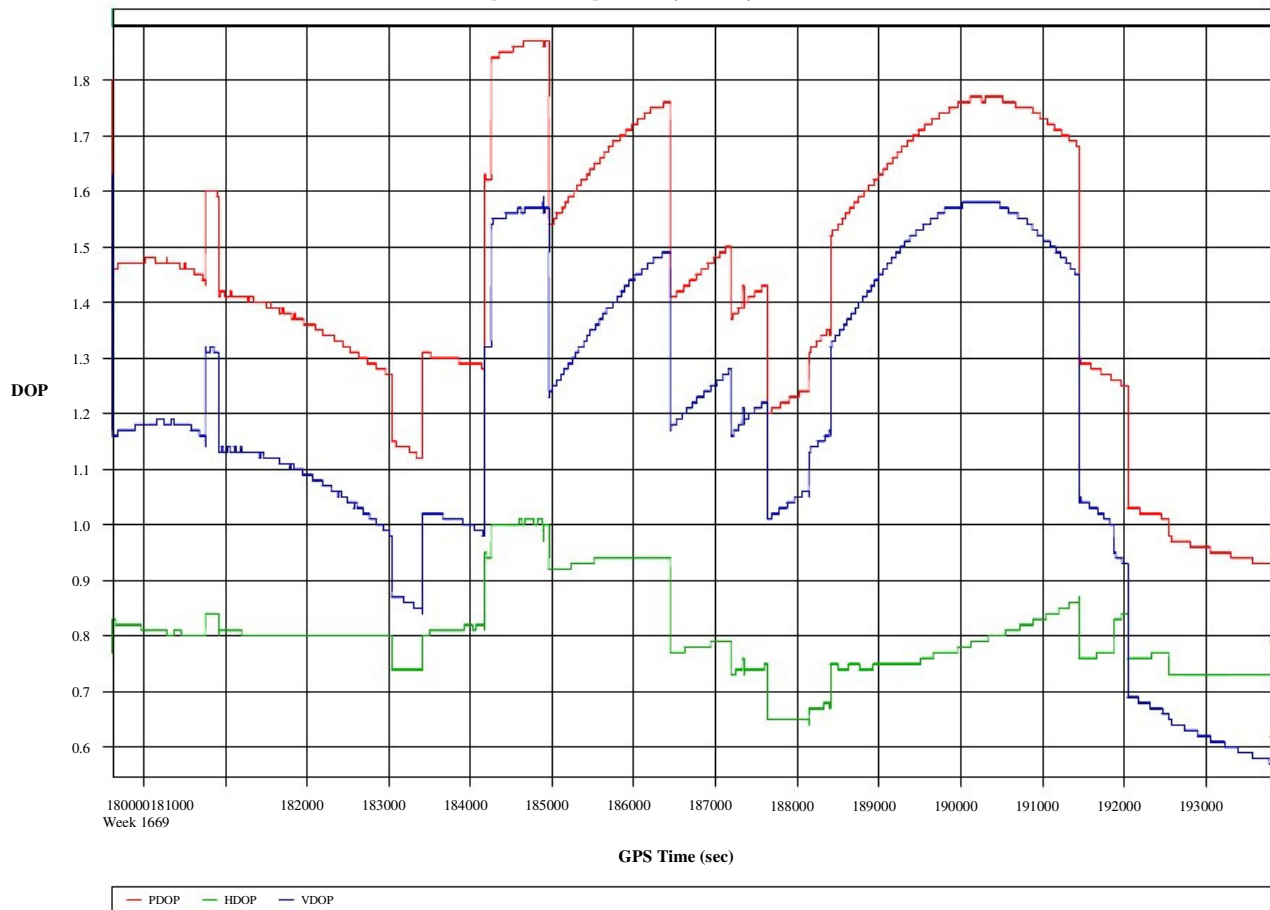
Combined - Map Run (1)



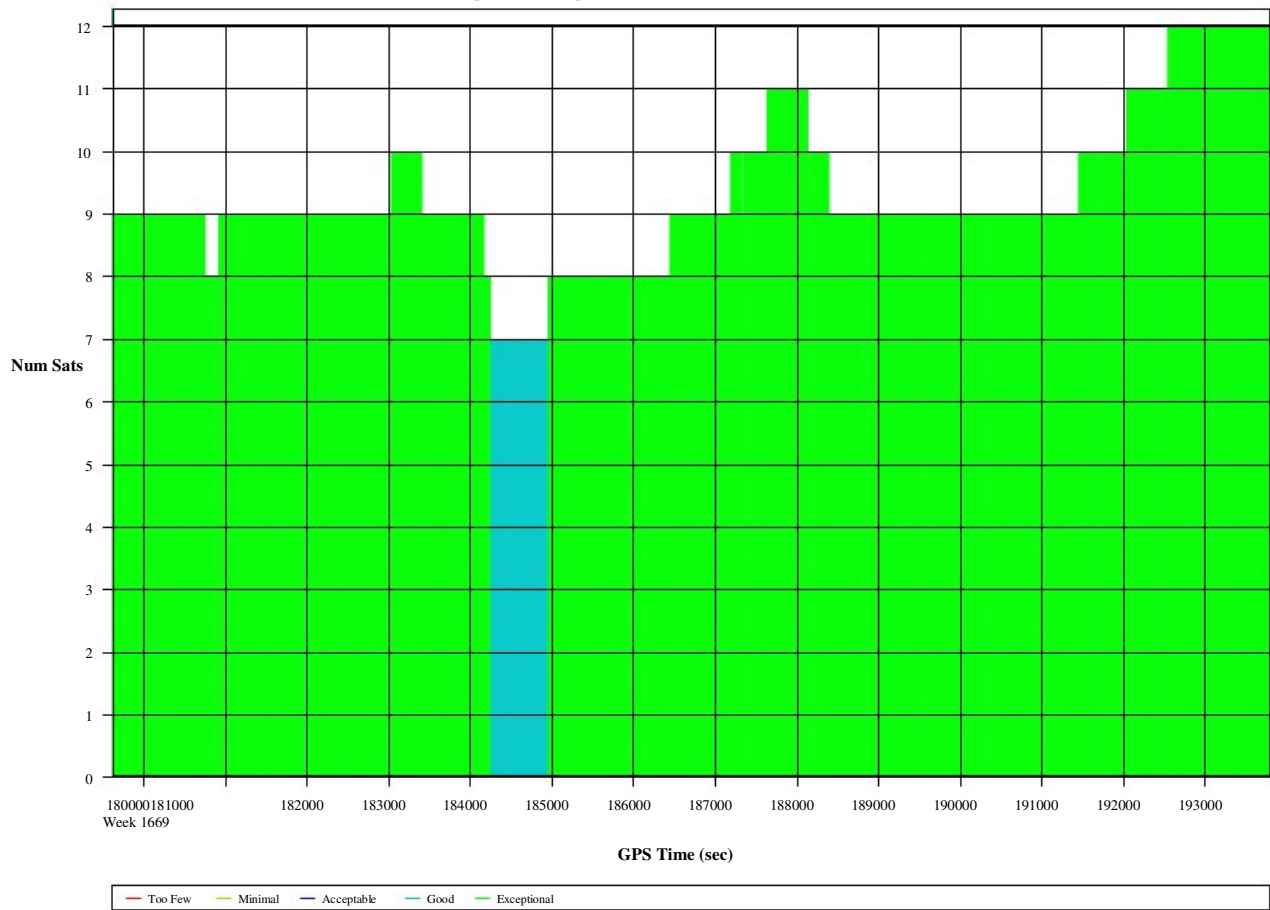
00312a [Combined] - Forward/Reverse or Combined Separation Plot



00312a [Combined] - PDOP, HDOP, VDOP Plots



00312a [Combined] - Number of Satellites Bar Plot



00312a_summary.txt
Processing Summary Information

Program: POSGPS
Version: 4.30.3108
Project: G:\Projects\COE\Tenn\2012\00312a\pos\GPS\00312a.gnv

Solution Type: Combined Fwd/Rev

Number of Epochs:

Total in GPB file:	142002
No processed position:	127814
Missing Fwd or Rev:	3
With bad C/A code:	0
With bad L1 Phase:	0

Measurement RMS Values:

L1 Phase:	0.0183 (m)
C/A Code:	0.89 (m)
L1 Doppler:	0.020 (m/s)

Fwd/Rev Separation RMS Values:

East:	0.004 (m)
North:	0.005 (m)
Height:	0.019 (m)

Fwd/Rev Sep. RMS for 25%-75% weighting (14183 occurrences):

East:	0.003 (m)
North:	0.005 (m)
Height:	0.017 (m)

Quality Number Percentages:

Q 1:	100.0 %
Q 2:	0.0 %
Q 3:	0.0 %
Q 4:	0.0 %

Q 5: 0.0 %

Q 6: 0.0 %

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:

DOP over Tol: 0.0 %

Baseline Distances:

Maximum: 53.481 (km)

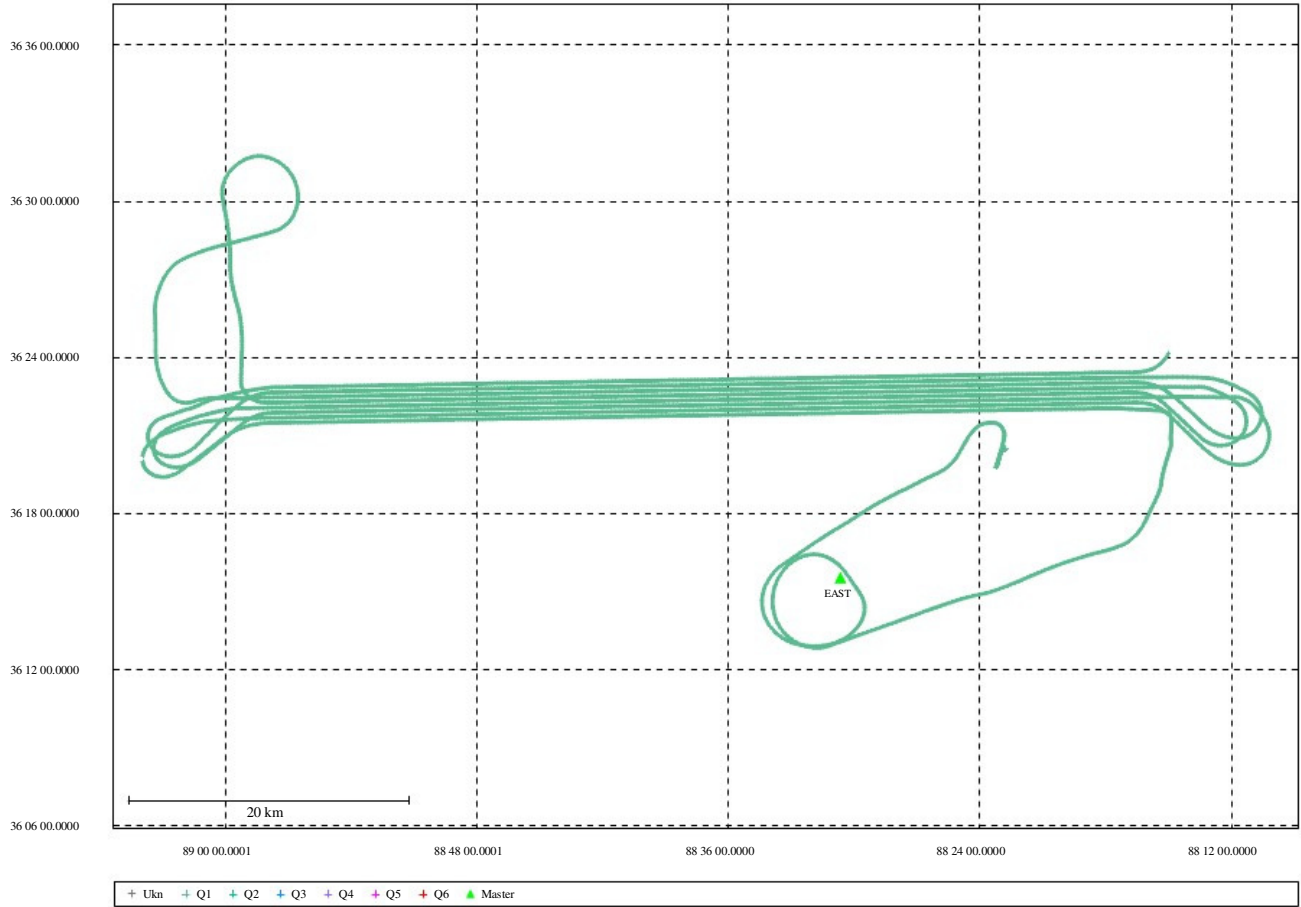
Minimum: 0.834 (km)

Average: 26.003 (km)

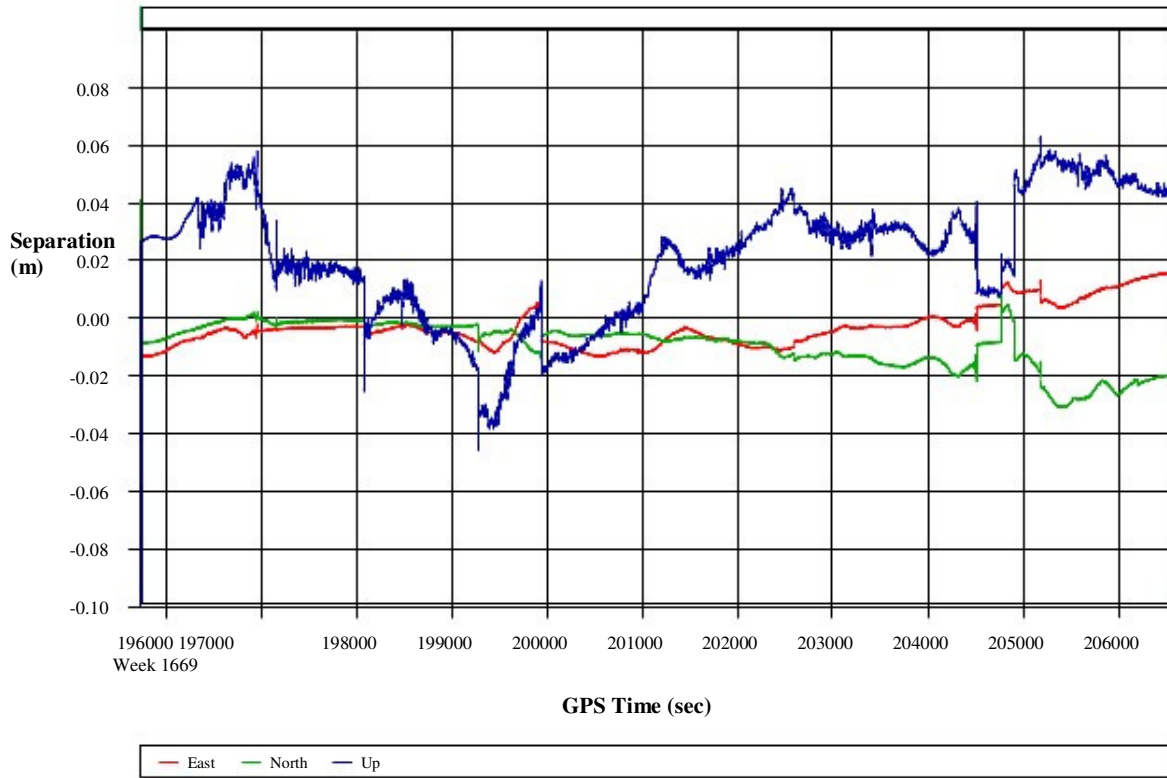
First Epoch: 44.568 (km)

Last Epoch: 14.939 (km)

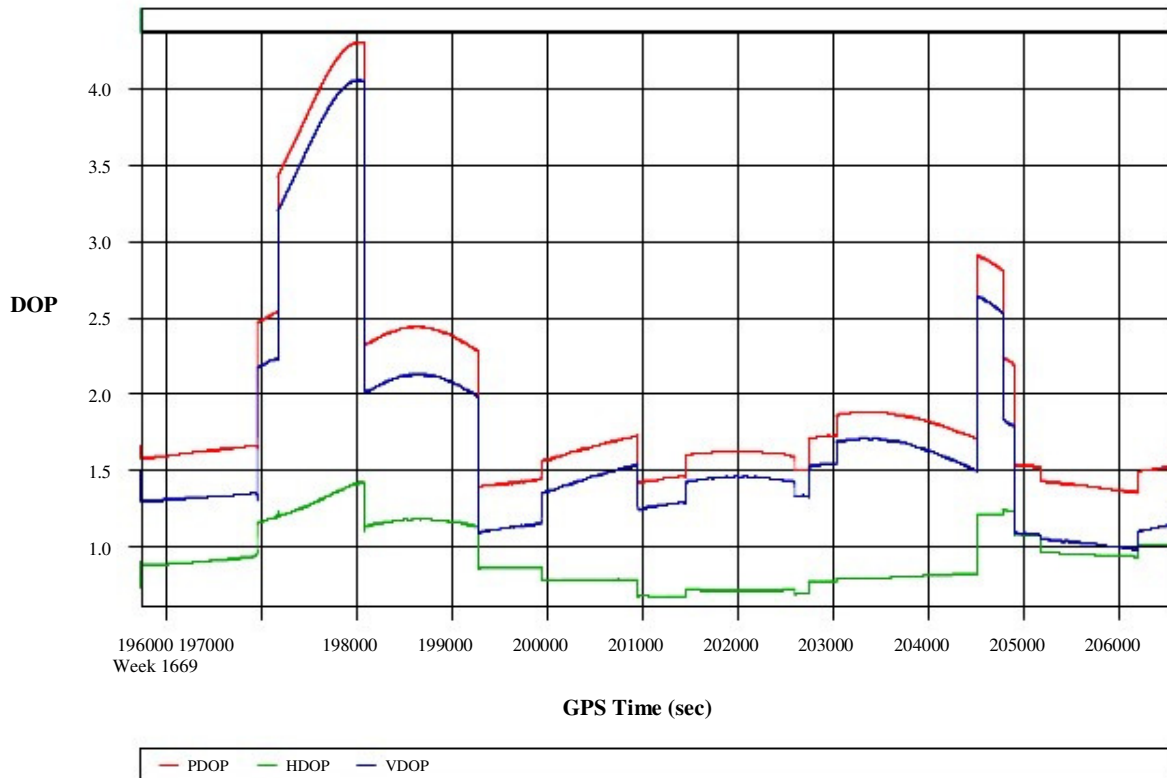
Combined - Map Run (13)



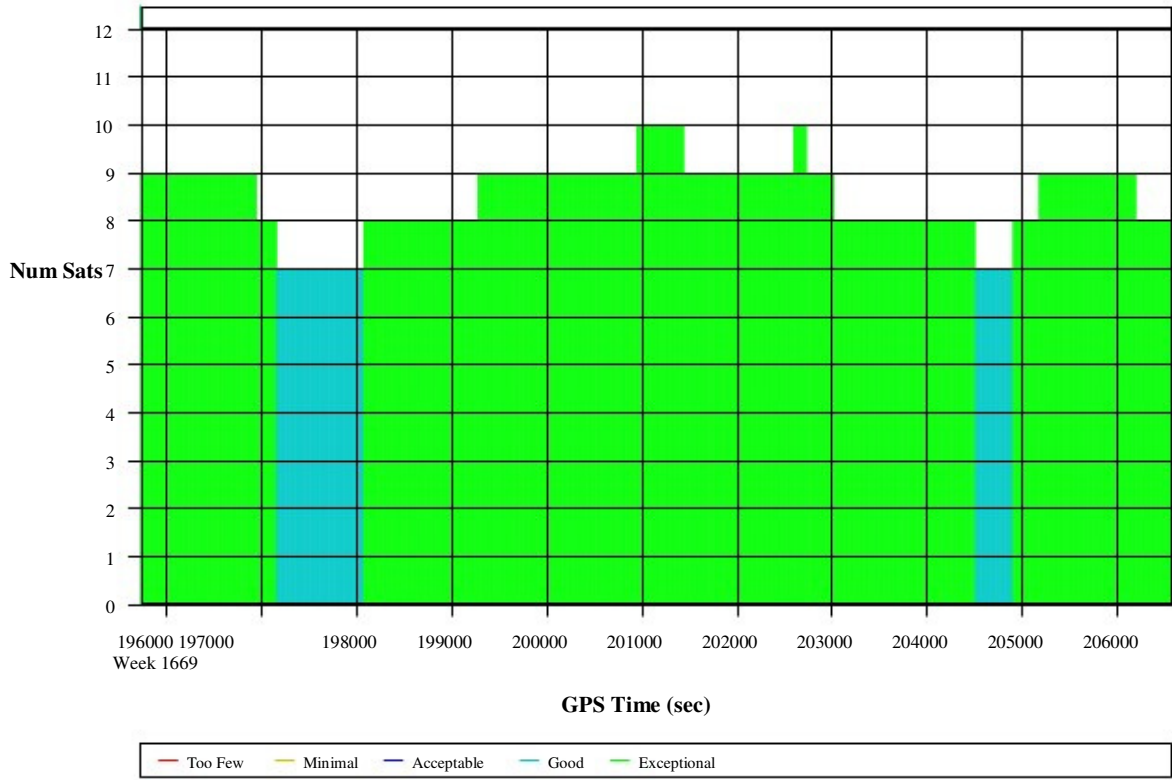
312b [Combined] - Forward/Reverse or Combined Separation Plot



312b [Combined] - PDOP, HDOP, VDOP Plots



312b [Combined] - Number of Satellites Bar Plot



312b.txt
Processing Summary Information

Program: POSGPS
Version: 4.30.3108
Project: D:\Projects\Tn\2012\00312b\pos\GPS\312b.gnv

Solution Type: Combined Fwd/Rev

Number of Epochs:

Total in GPB file:	108540
No processed position:	97698
Missing Fwd or Rev:	4
With bad C/A code:	0
With bad L1 Phase:	0

Measurement RMS Values:

L1 Phase:	0.0185 (m)
C/A Code:	0.90 (m)
L1 Doppler:	0.017 (m/s)

Fwd/Rev Separation RMS Values:

East:	0.009 (m)
North:	0.012 (m)
Height:	0.033 (m)

Fwd/Rev Sep. RMS for 25%-75% weighting (10836 occurrences):

East:	0.008 (m)
North:	0.012 (m)
Height:	0.030 (m)

Quality Number Percentages:

Q 1:	100.0 %
Q 2:	0.0 %
Q 3:	0.0 %
Q 4:	0.0 %

Q 5: 0.0 %

Q 6: 0.0 %

Position Standard Deviation Percentages:

0.00 - 0.10 m: 91.6 %

0.10 - 0.30 m: 8.4 %

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: 8.4 %

Baseline Distances:

Maximum: 52.827 (km)

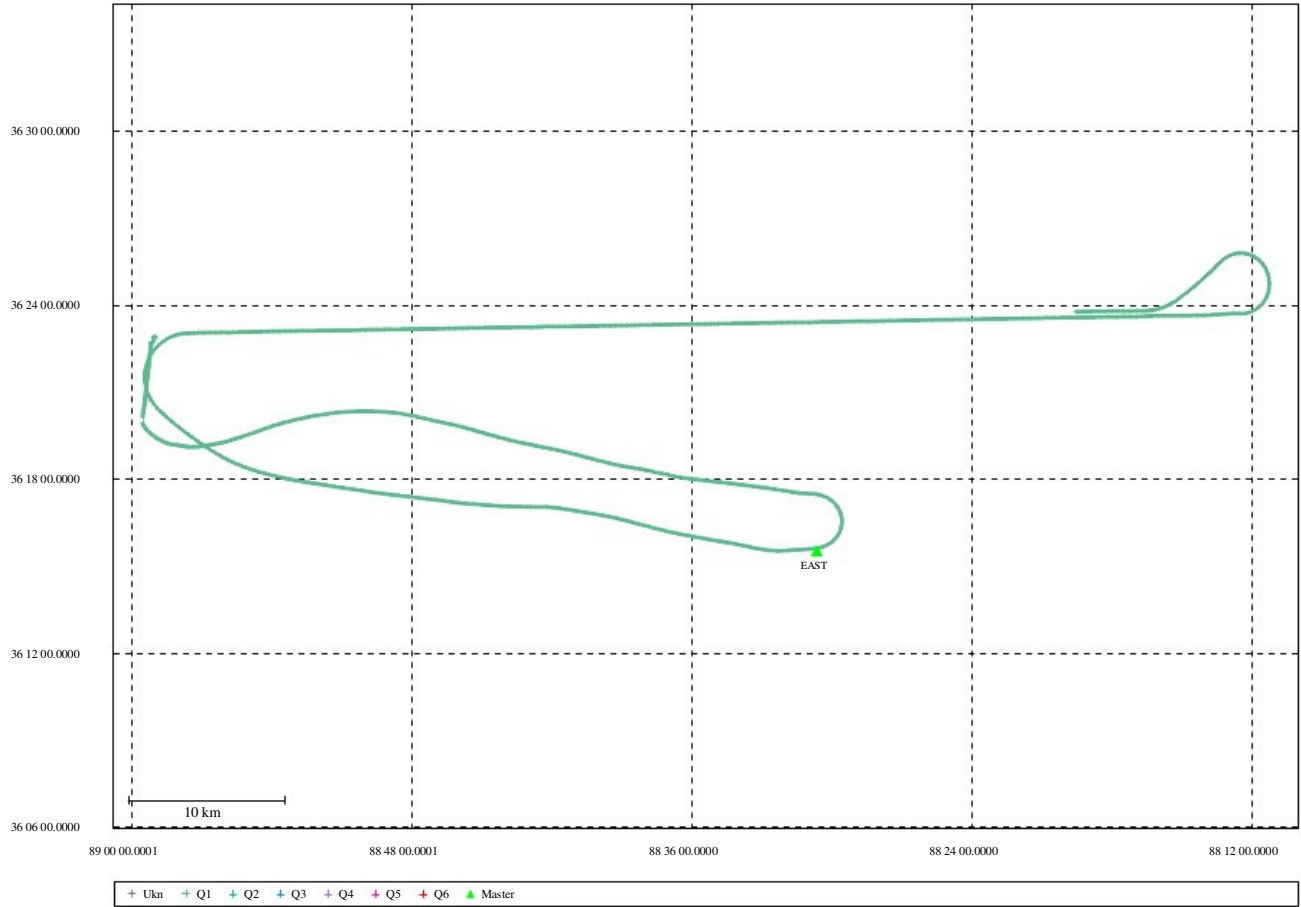
Minimum: 1.158 (km)

Average: 24.943 (km)

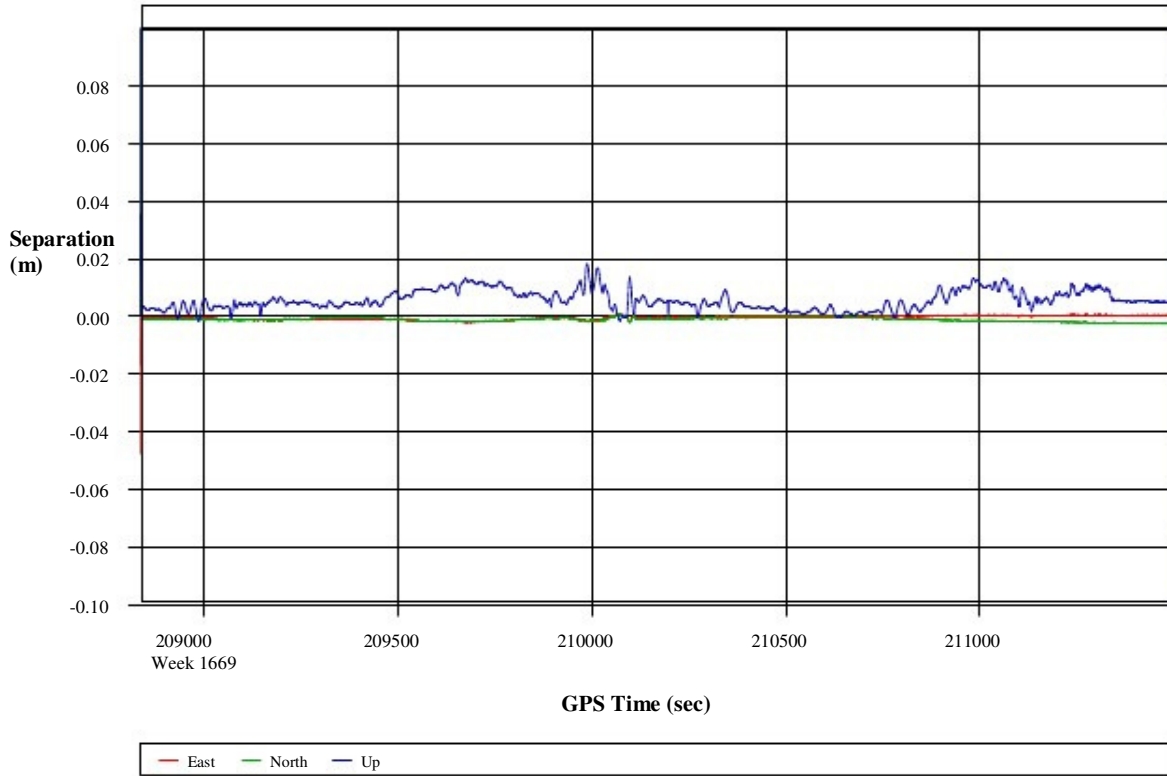
First Epoch: 14.939 (km)

Last Epoch: 28.377 (km)

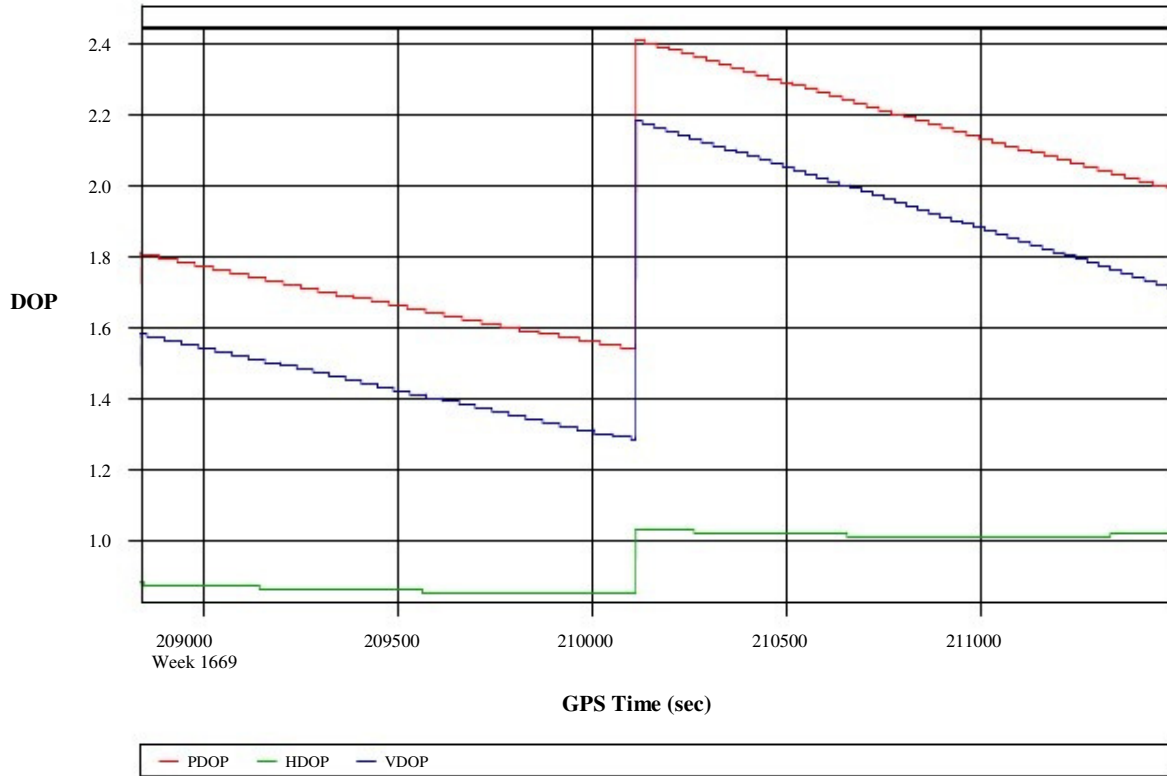
Combined - Map Run (30)



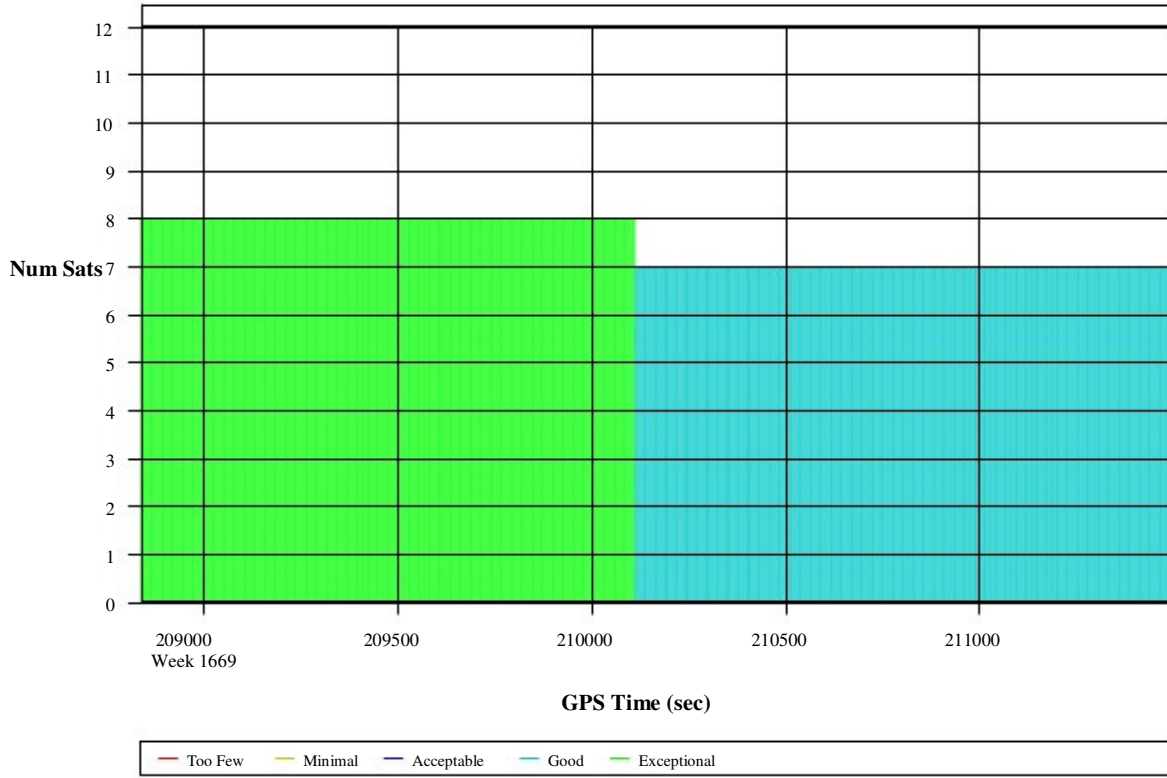
312c [Combined] - Forward/Reverse or Combined Separation Plot



312c [Combined] - PDOP, HDOP, VDOP Plots



312c [Combined] - Number of Satellites Bar Plot



312c.txt
Processing Summary Information

Program: POSGPS
Version: 4.30.3108
Project: D:\Projects\Tn\2012\00312c\pos\GPS\312c.gnv

Solution Type: Combined Fwd/Rev

Number of Epochs:

Total in GPB file:	46553
No processed position:	43889
Missing Fwd or Rev:	5
With bad C/A code:	0
With bad L1 Phase:	0

Measurement RMS Values:

L1 Phase:	0.0133 (m)
C/A Code:	0.77 (m)
L1 Doppler:	0.016 (m/s)

Fwd/Rev Separation RMS Values:

East:	0.001 (m)
North:	0.006 (m)
Height:	0.013 (m)

Fwd/Rev Sep. RMS for 25%-75% weighting (2657 occurrences):

East:	0.001 (m)
North:	0.001 (m)
Height:	0.006 (m)

Quality Number Percentages:

Q 1:	100.0 %
Q 2:	0.0 %
Q 3:	0.0 %
Q 4:	0.0 %

Q 5: 0.0 %

Q 6: 0.0 %

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:

DOP over Tol: 0.0 %

Baseline Distances:

Maximum: 44.698 (km)

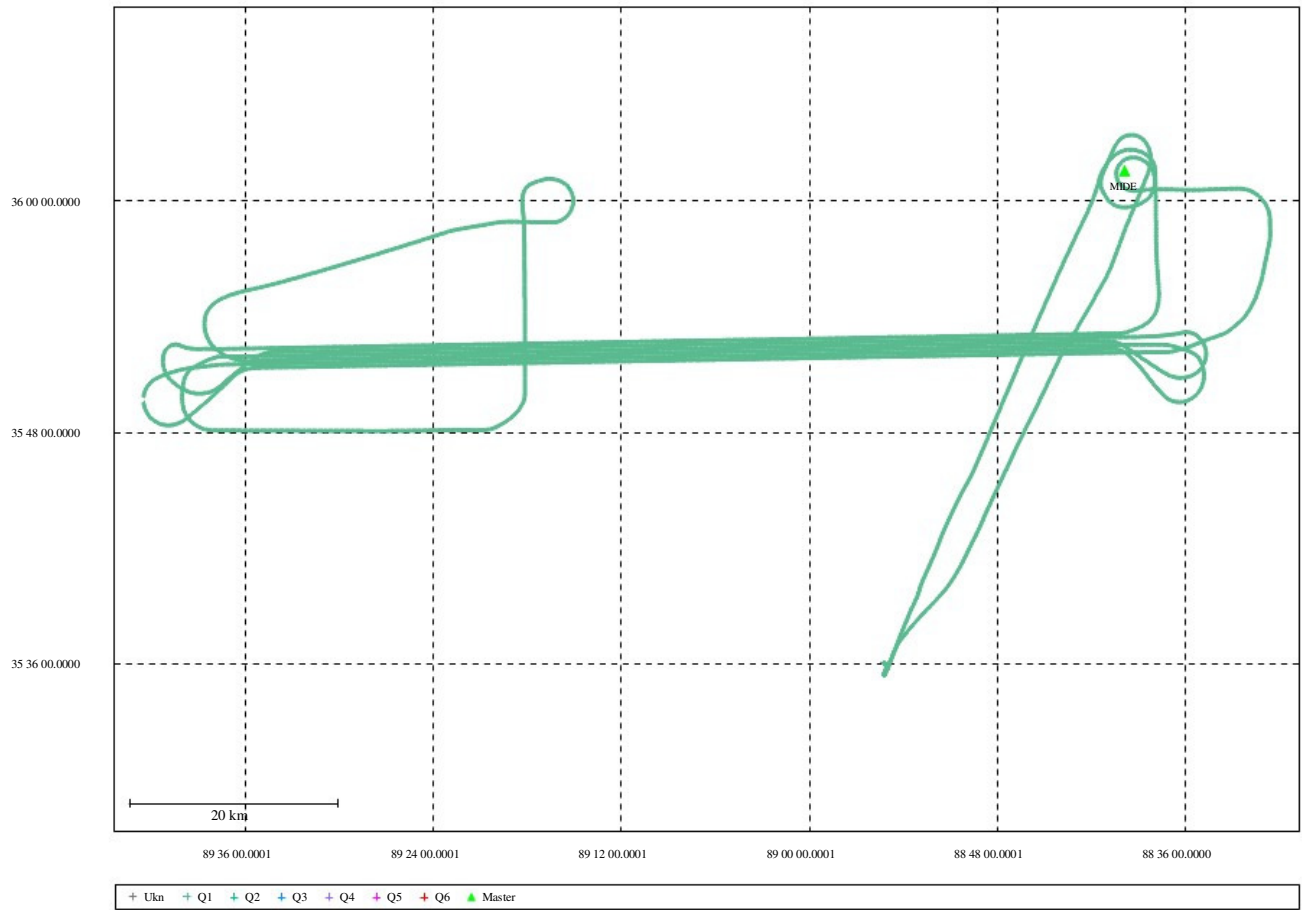
Minimum: 1.475 (km)

Average: 26.274 (km)

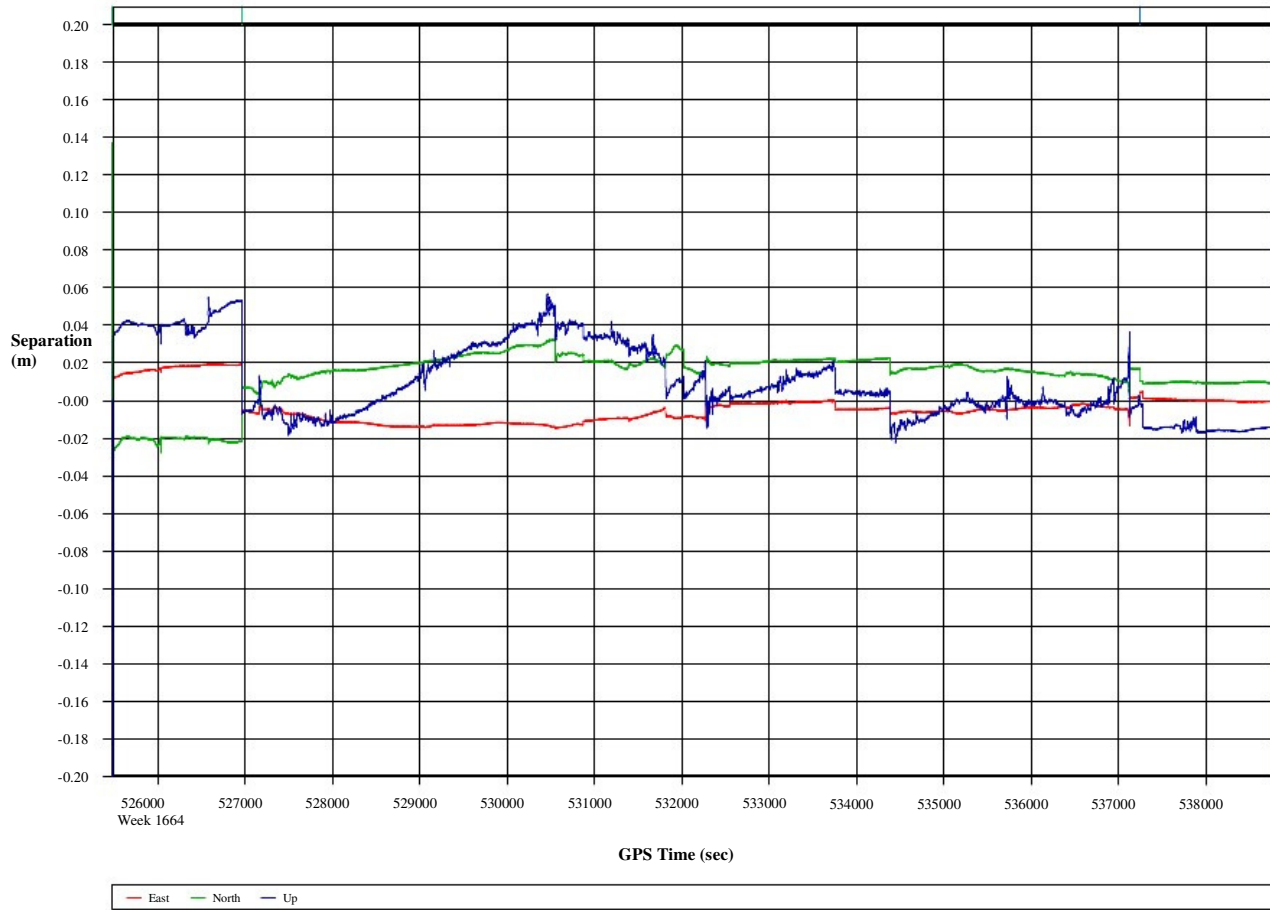
First Epoch: 22.563 (km)

Last Epoch: 44.568 (km)

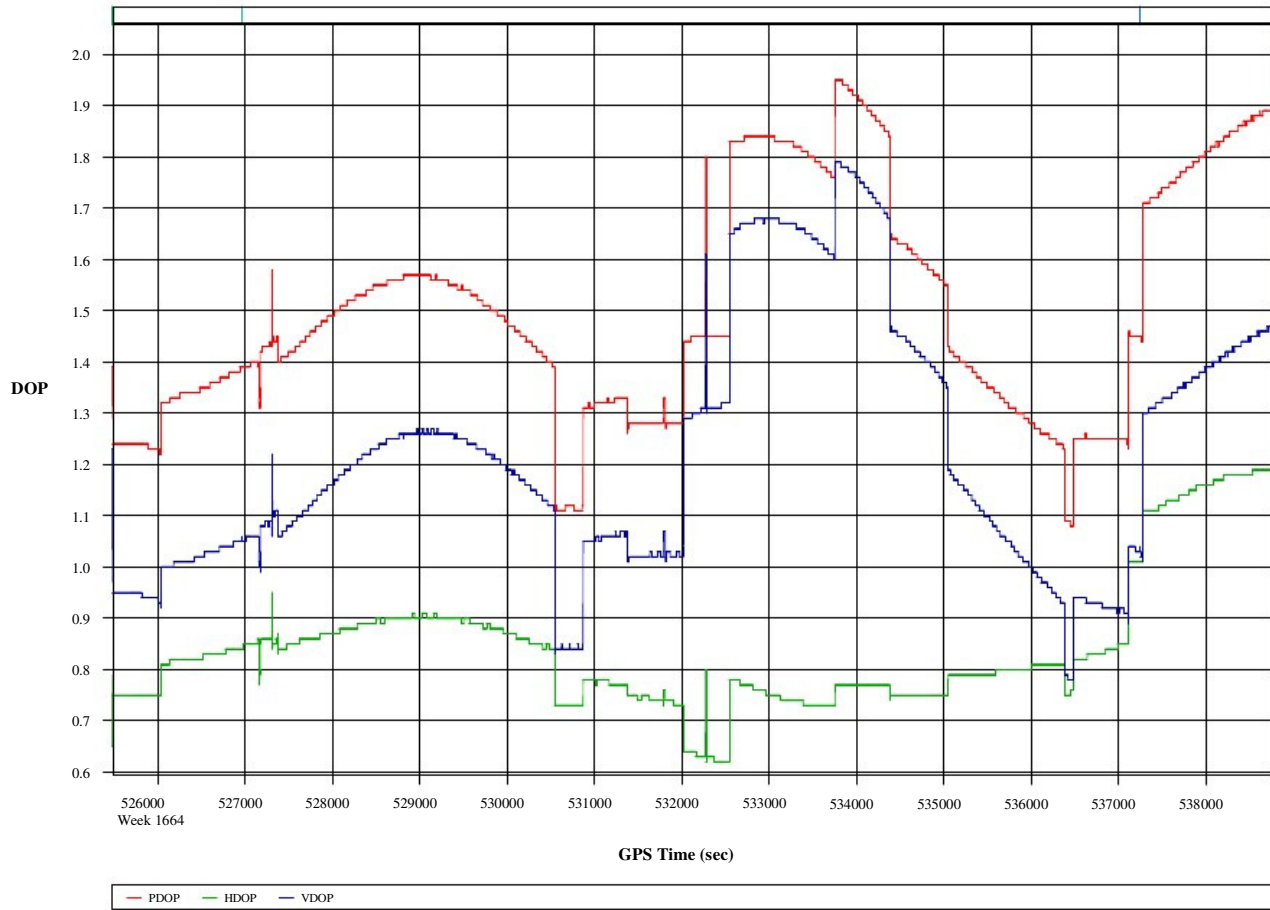
Combined - Map Run (3)



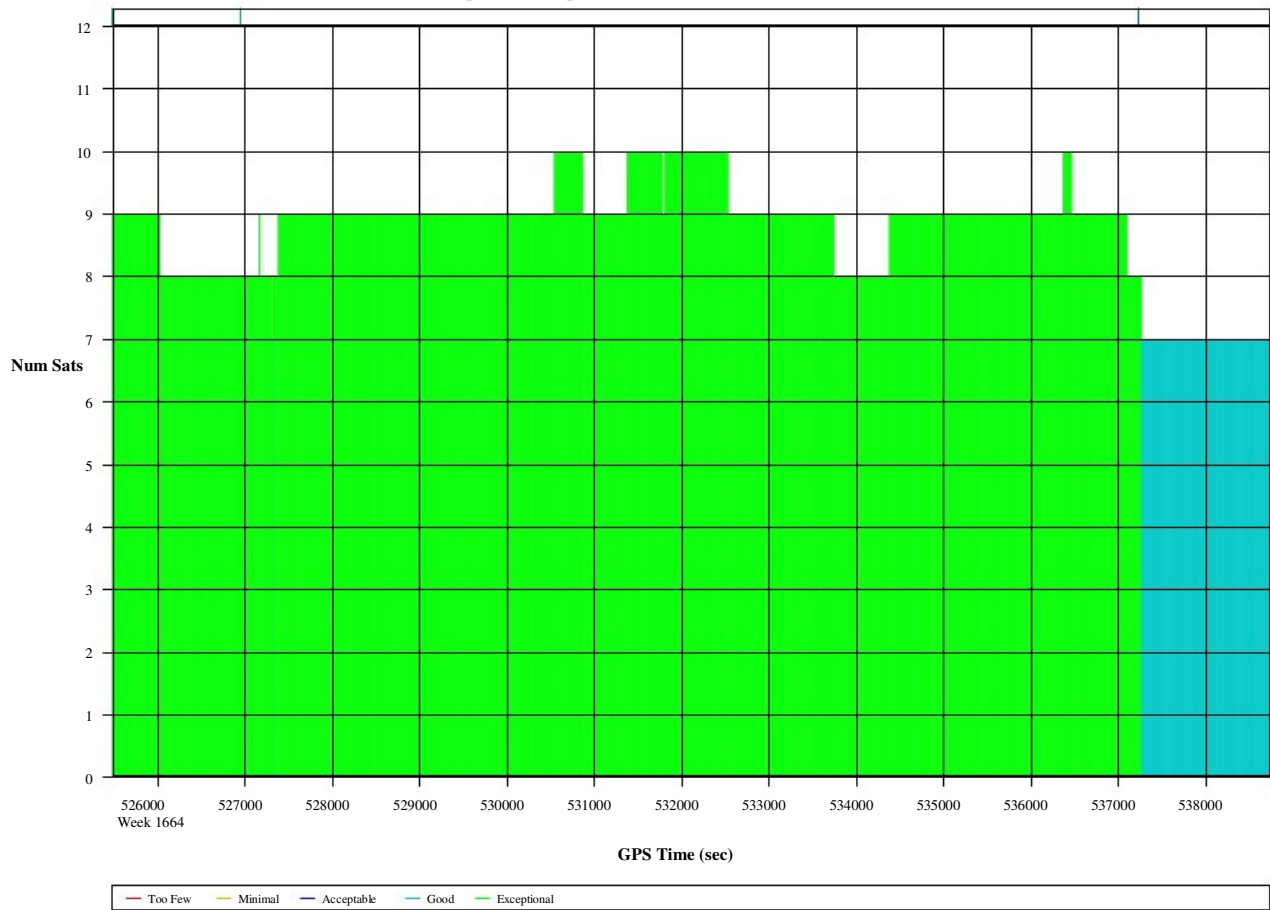
336a [Combined] - Forward/Reverse or Combined Separation Plot



336a [Combined] - PDOP, HDOP, VDOP Plots



336a [Combined] - Number of Satellites Bar Plot



Processing_Summary_33611a.txt
Processing Summary Information

Program: POSGPS
Version: 4.30.3108
Project: X:\Projects\tennessee\2012\33611a\pos\GPS\336a.gnv

Solution Type: Combined Fwd/Rev

Number of Epochs:

Total in GPB file:	139383
No processed position:	126106
Missing Fwd or Rev:	4
With bad C/A code:	0
With bad L1 Phase:	0

Measurement RMS Values:

L1 Phase:	0.0196 (m)
C/A Code:	1.00 (m)
L1 Doppler:	0.017 (m/s)

Fwd/Rev Separation RMS Values:

East:	0.010 (m)
North:	0.019 (m)
Height:	0.024 (m)

Fwd/Rev Sep. RMS for 25%-75% weighting (13271 occurrences):

East:	0.009 (m)
North:	0.019 (m)
Height:	0.022 (m)

Quality Number Percentages:

Q 1:	100.0 %
Q 2:	0.0 %
Q 3:	0.0 %
Q 4:	0.0 %

Processing_Summary_33611a.txt

Q 5: 0.0 %

Q 6: 0.0 %

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:

DOP over Tol: 0.0 %

Baseline Distances:

Maximum: 96.849 (km)

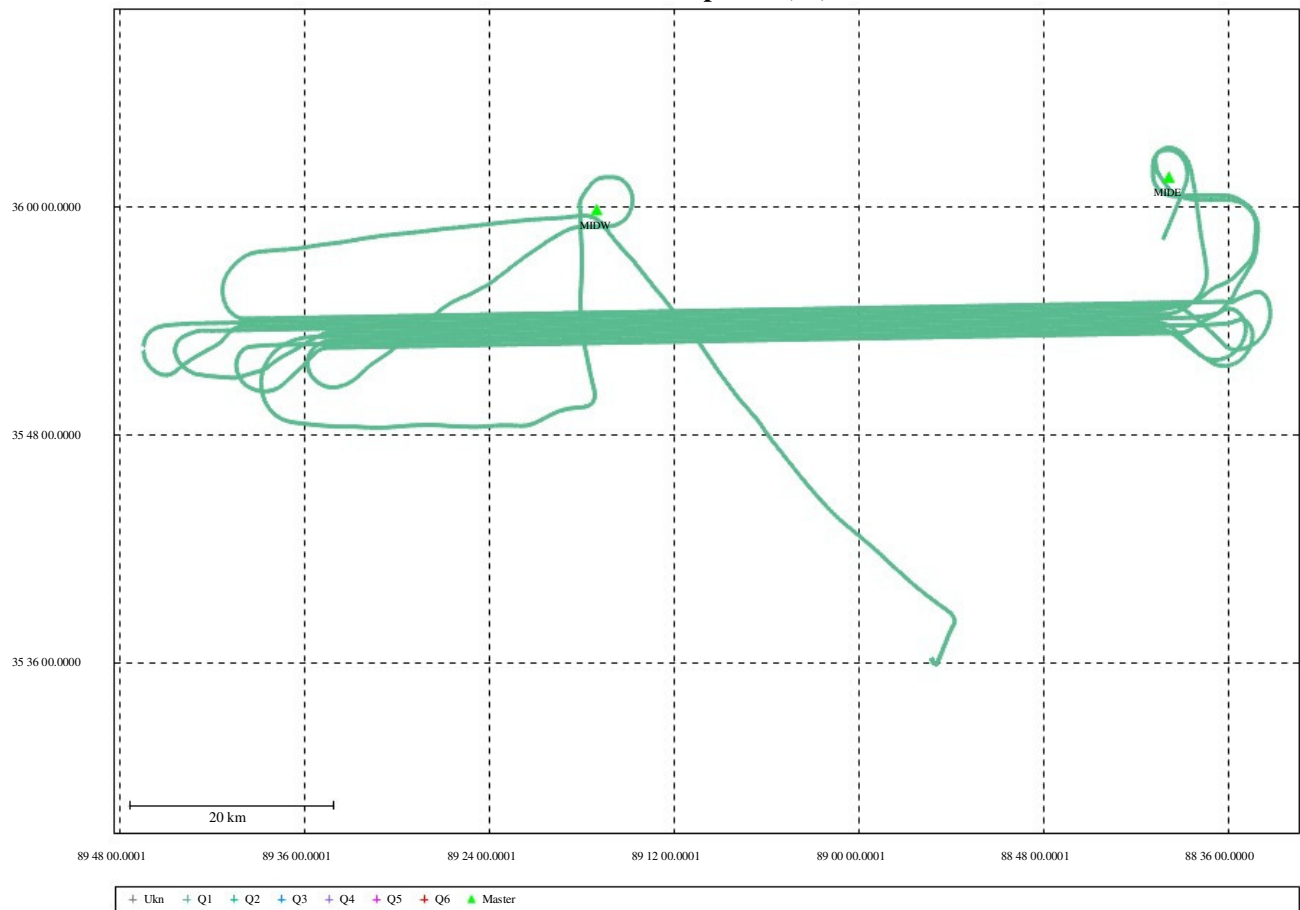
Minimum: 1.277 (km)

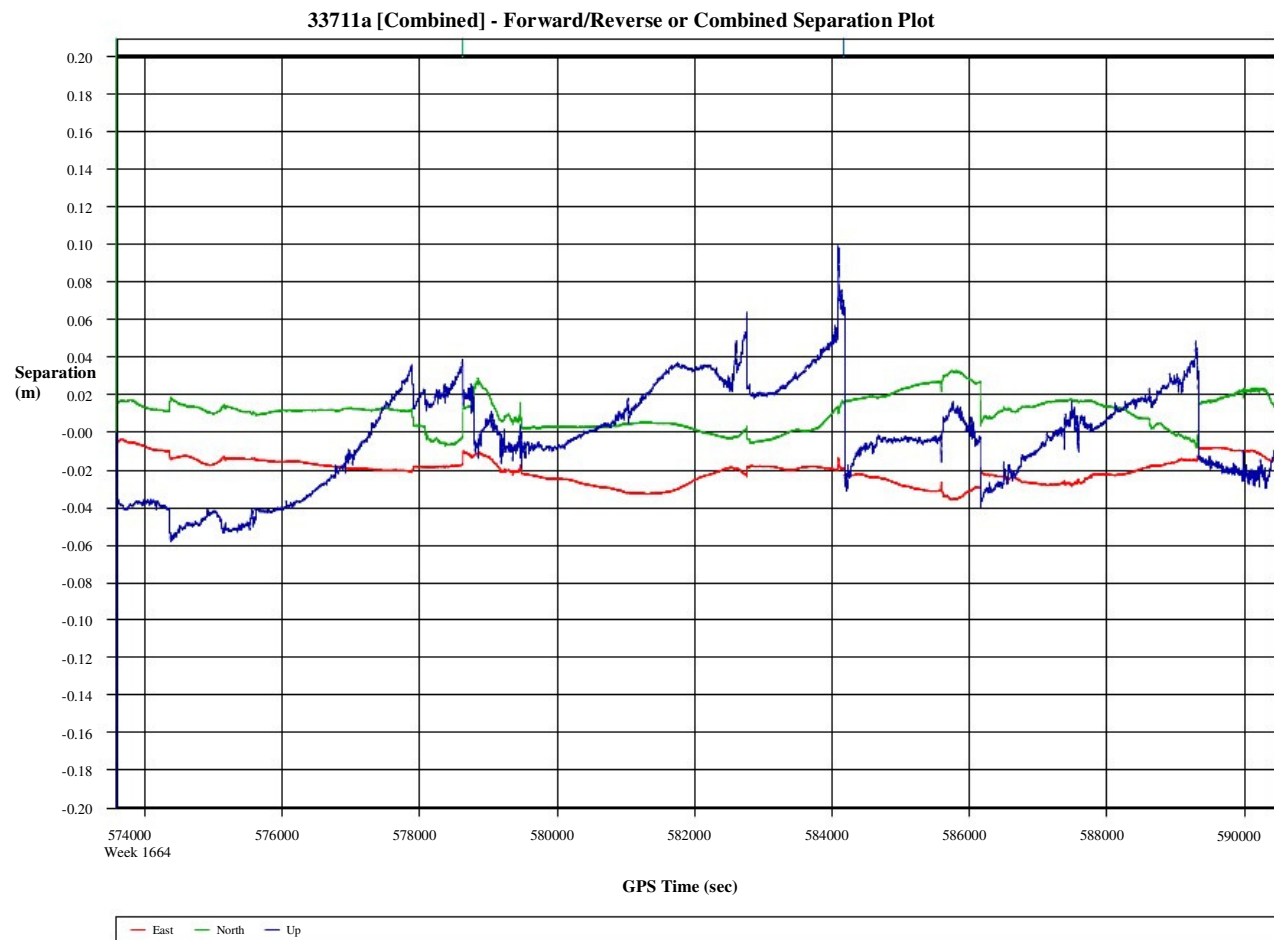
Average: 46.108 (km)

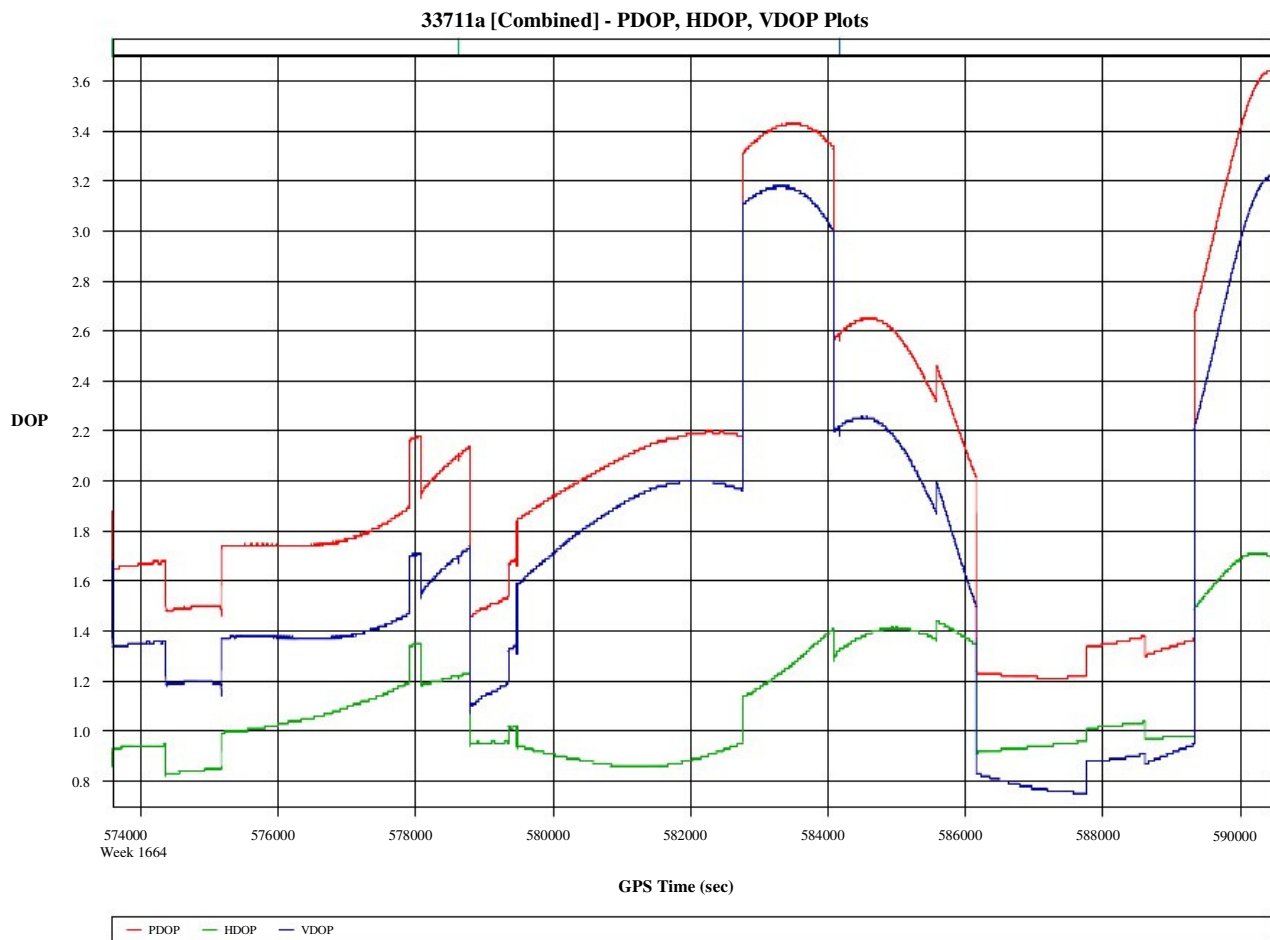
First Epoch: 52.508 (km)

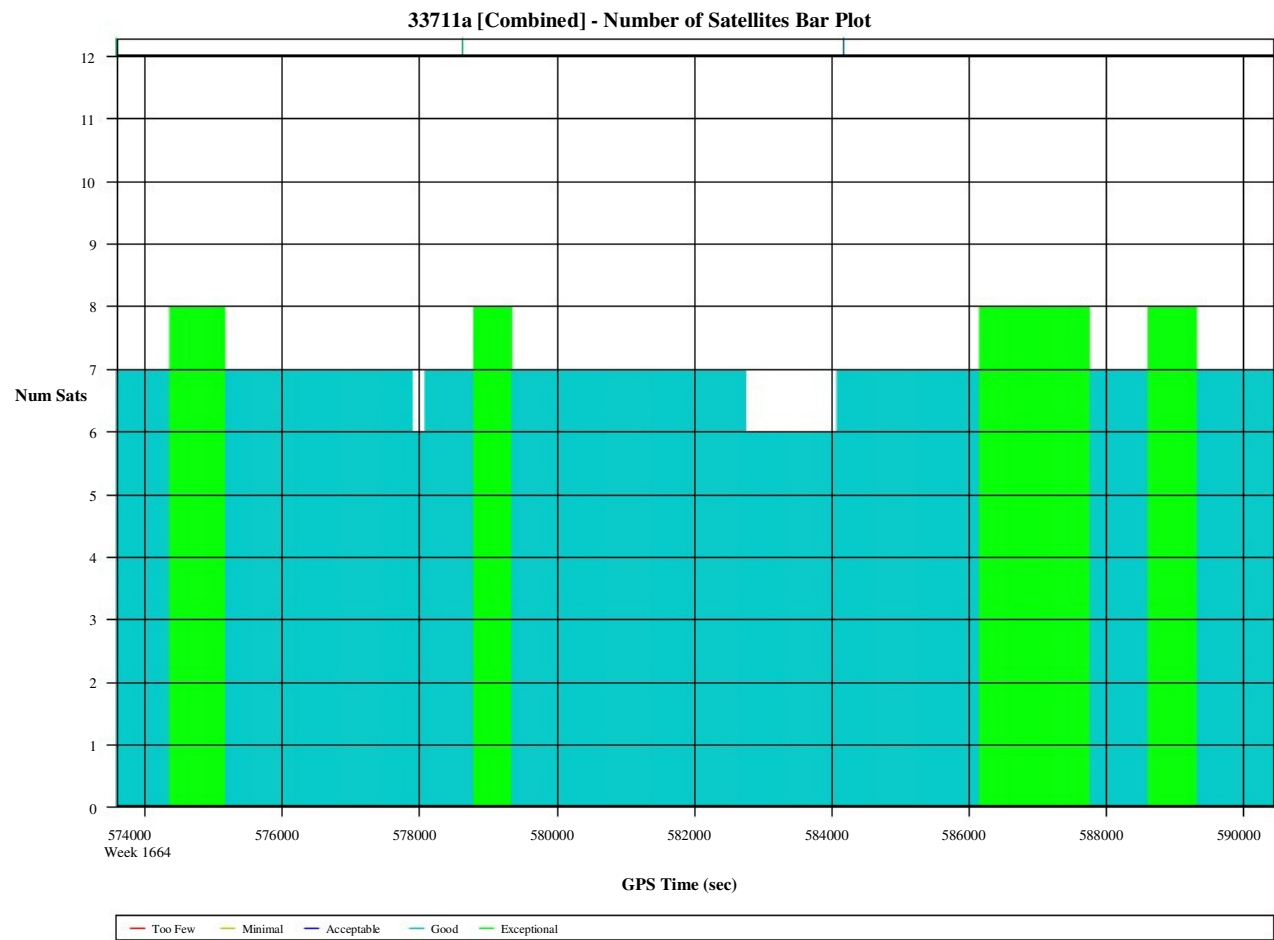
Last Epoch: 52.508 (km)

Combined - Map Run (15)









33711a.txt
Processing Summary Information

Program: POSGPS
Version: 4.30.3108
Project: X:\Projects\tennesse\2012\33711a\pos\GPS\33711a.gnv

Solution Type: Combined Fwd/Rev

Number of Epochs:

Total in GPB file:	190306
No processed position:	173436
Missing Fwd or Rev:	4
With bad C/A code:	0
With bad L1 Phase:	0

Measurement RMS Values:

L1 Phase:	0.0171 (m)
C/A Code:	0.81 (m)
L1 Doppler:	0.014 (m/s)

Fwd/Rev Separation RMS Values:

East:	0.022 (m)
North:	0.015 (m)
Height:	0.030 (m)

Fwd/Rev Sep. RMS for 25%-75% weighting (16864 occurrences):

East:	0.021 (m)
North:	0.013 (m)
Height:	0.026 (m)

Quality Number Percentages:

Q 1:	100.0 %
Q 2:	0.0 %
Q 3:	0.0 %
Q 4:	0.0 %

Q 5: 0.0 %

Q 6: 0.0 %

Position Standard Deviation Percentages:

0.00 - 0.10 m: 95.0 %

0.10 - 0.30 m: 5.0 %

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: 1.9 %

Baseline Distances:

Maximum: 68.532 (km)

Minimum: 11.230 (km)

Average: 31.255 (km)

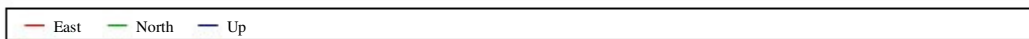
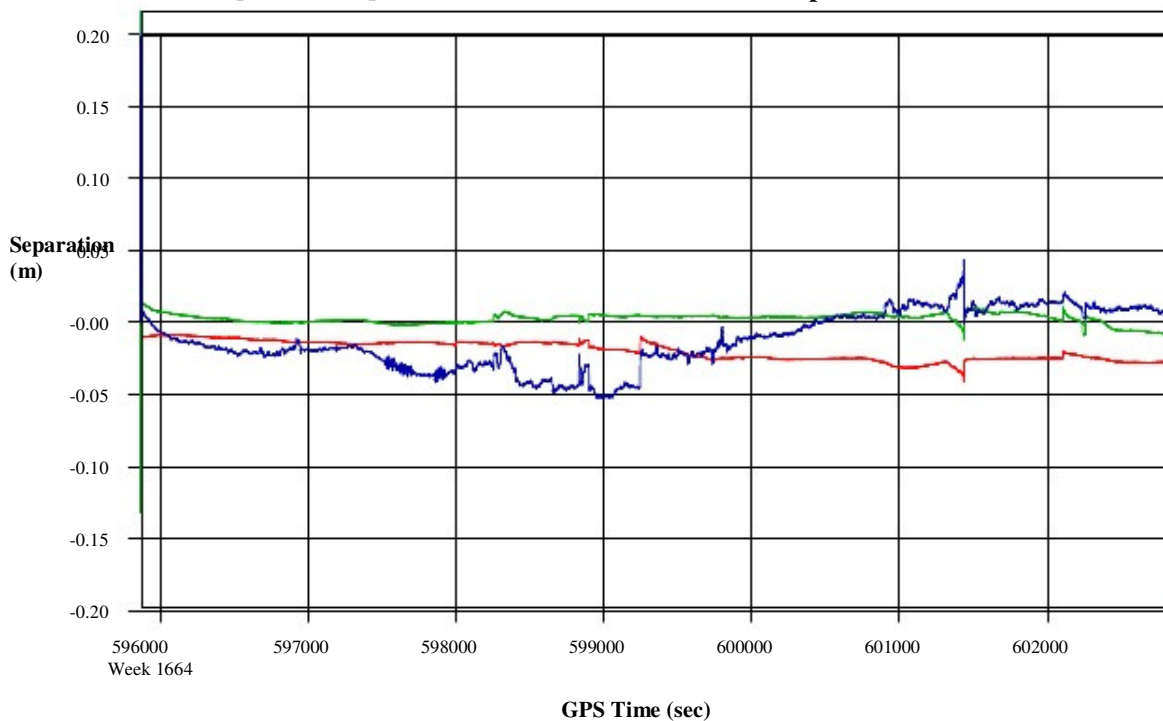
First Epoch: 25.183 (km)

Last Epoch: 45.649 (km)

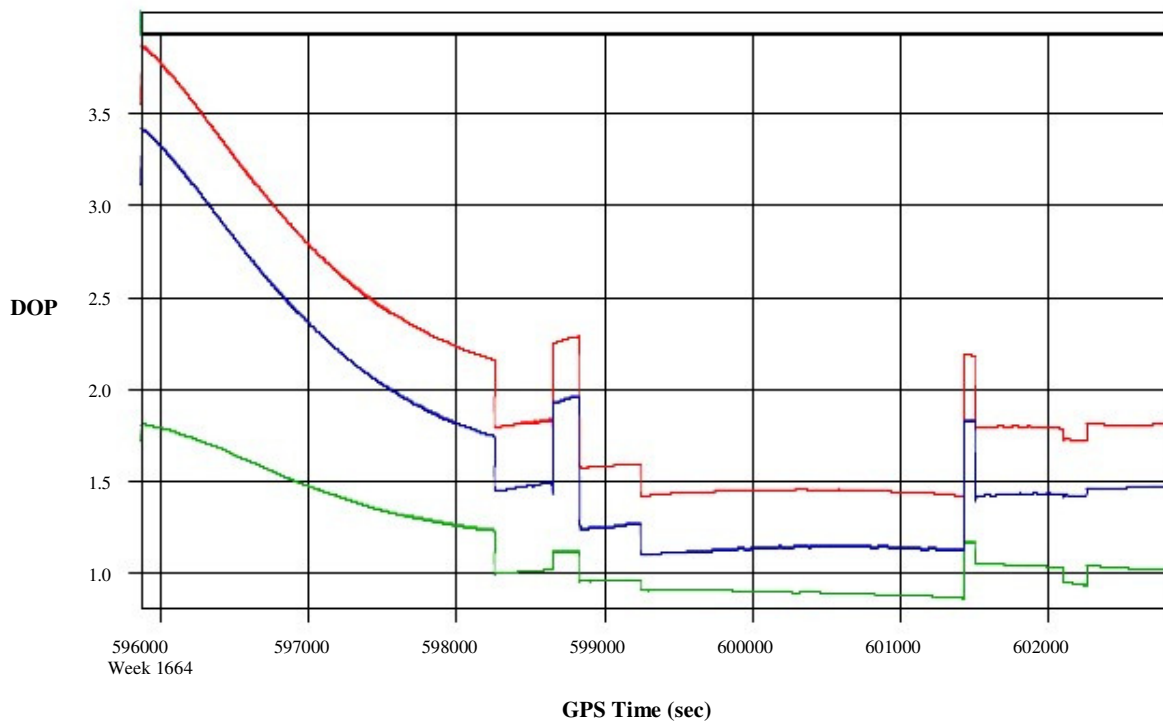
Combined - Map Run (15)



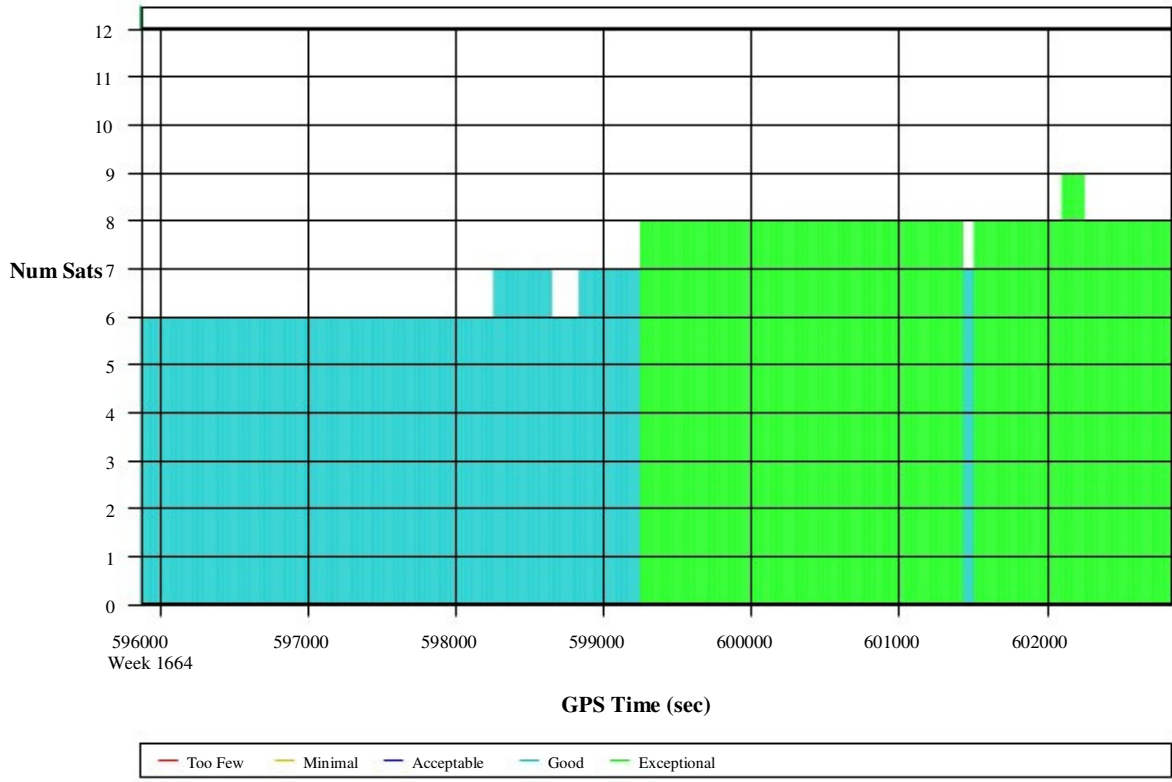
337b [Combined] - Forward/Reverse or Combined Separation Plot



337b [Combined] - PDOP, HDOP, VDOP Plots



337b [Combined] - Number of Satellites Bar Plot



337b.txt
Processing Summary Information

Program: POSGPS
Version: 4.30.3108
Project: D:\Projects\Tn\2012\33711b\pos\GPS\337b.gnv

Solution Type: Combined Fwd/Rev

Number of Epochs:

Total in GPB file:	101318
No processed position:	94332
Missing Fwd or Rev:	4
With bad C/A code:	0
With bad L1 Phase:	0

Measurement RMS Values:

L1 Phase:	0.0194 (m)
C/A Code:	0.78 (m)
L1 Doppler:	0.015 (m/s)

Fwd/Rev Separation RMS Values:

East:	0.022 (m)
North:	0.006 (m)
Height:	0.026 (m)

Fwd/Rev Sep. RMS for 25%-75% weighting (6980 occurrences):

East:	0.021 (m)
North:	0.004 (m)
Height:	0.023 (m)

Quality Number Percentages:

Q 1:	100.0 %
Q 2:	0.0 %
Q 3:	0.0 %
Q 4:	0.0 %

Q 5: 0.0 %

Q 6: 0.0 %

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:

DOP over Tol: 0.0 %

Baseline Distances:

Maximum: 62.539 (km)

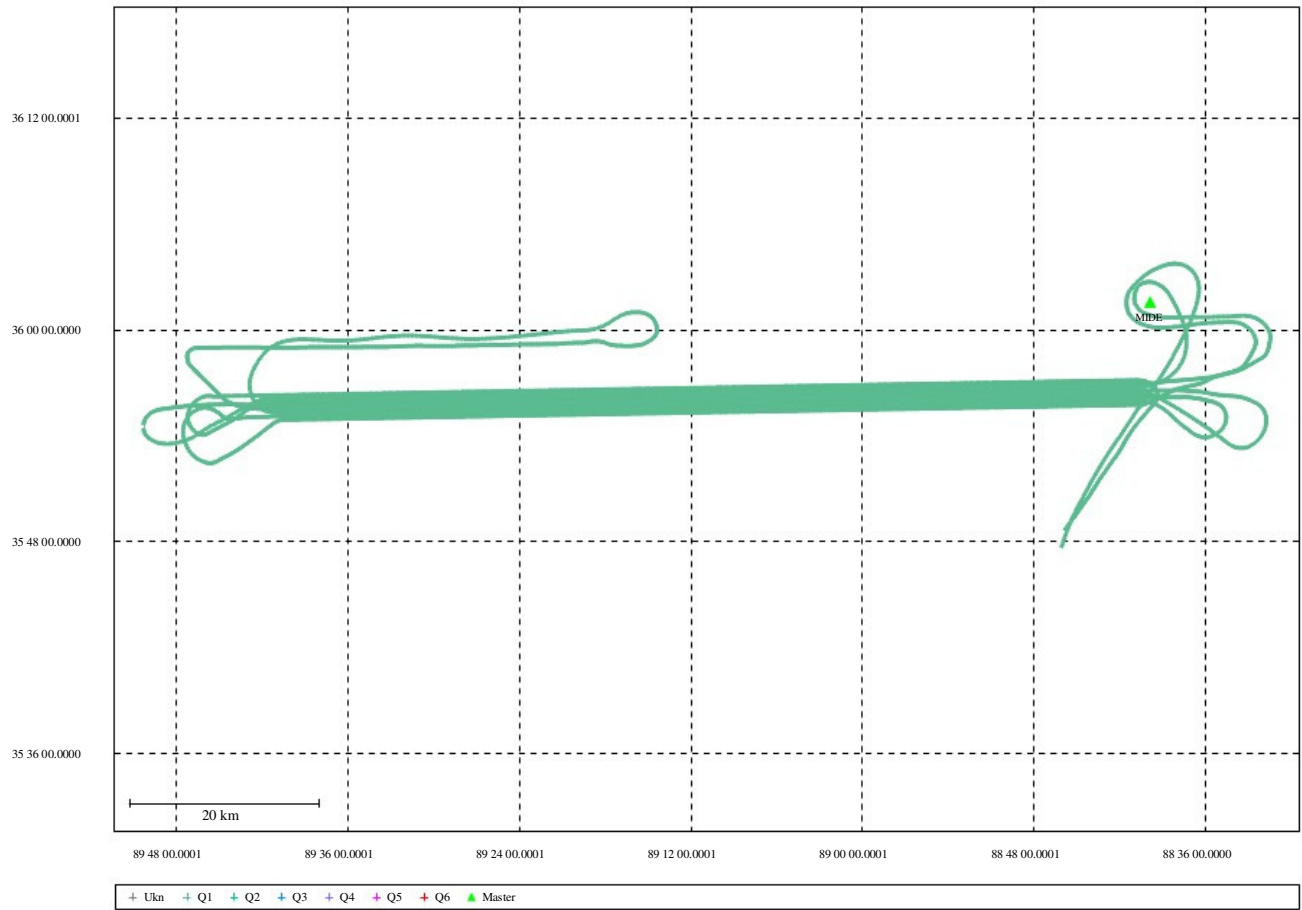
Minimum: 10.085 (km)

Average: 27.956 (km)

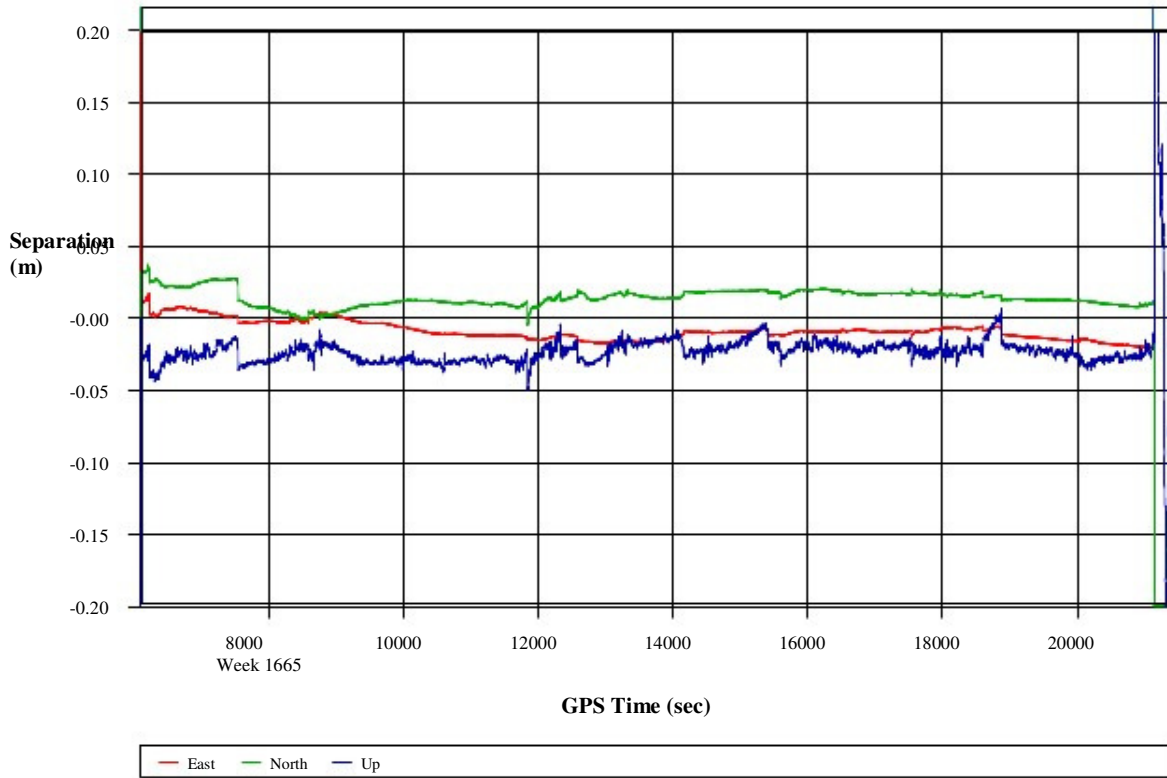
First Epoch: 16.888 (km)

Last Epoch: 21.344 (km)

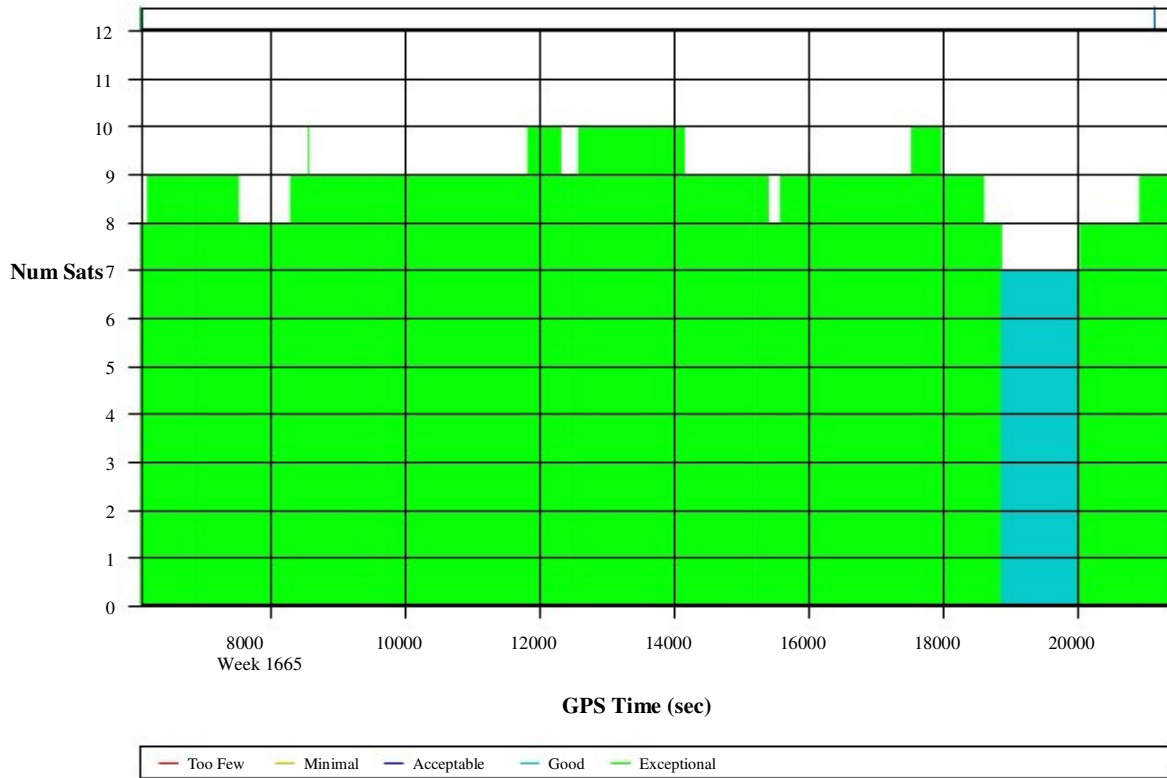
Combined - Map Run (2)



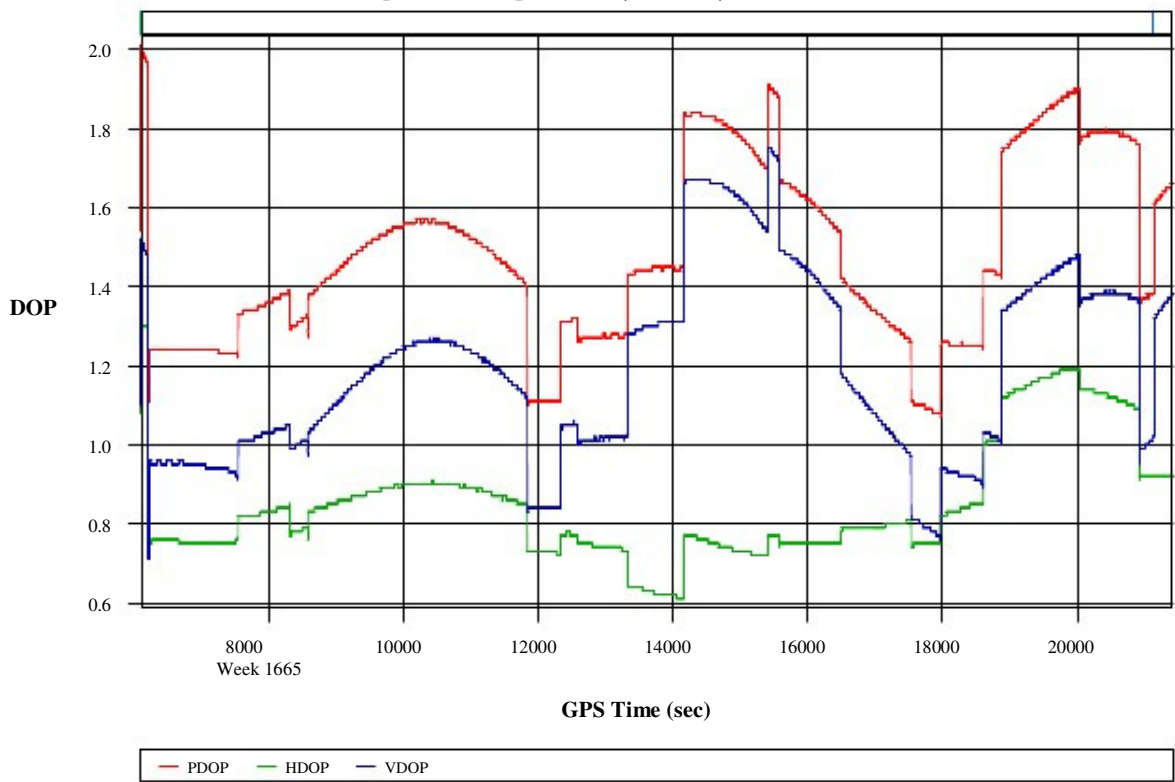
337 [Combined] - Forward/Reverse or Combined Separation Plot



337 [Combined] - Number of Satellites Bar Plot



337 [Combined] - PDOP, HDOP, VDOP Plots



337.txt
Processing Summary Information

Program: POSGPS
Version: 4.30.3108
Project: D:\Projects\Tn\2012\33711c\GPS\337.gnv

Solution Type: Combined Fwd/Rev

Number of Epochs:

Total in GPB file:	169780
No processed position:	154425
Missing Fwd or Rev:	4
With bad C/A code:	0
With bad L1 Phase:	0

Measurement RMS Values:

L1 Phase:	0.0191 (m)
C/A Code:	0.97 (m)
L1 Doppler:	0.018 (m/s)

Fwd/Rev Separation RMS Values:

East:	0.055 (m)
North:	0.034 (m)
Height:	0.039 (m)

Fwd/Rev Sep. RMS for 25%-75% weighting (15059 occurrences):

East:	0.011 (m)
North:	0.015 (m)
Height:	0.025 (m)

Quality Number Percentages:

Q 1:	100.0 %
Q 2:	0.0 %
Q 3:	0.0 %
Q 4:	0.0 %

Q 5: 0.0 %

Q 6: 0.0 %

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:

DOP over Tol: 0.0 %

Baseline Distances:

Maximum: 106.646 (km)

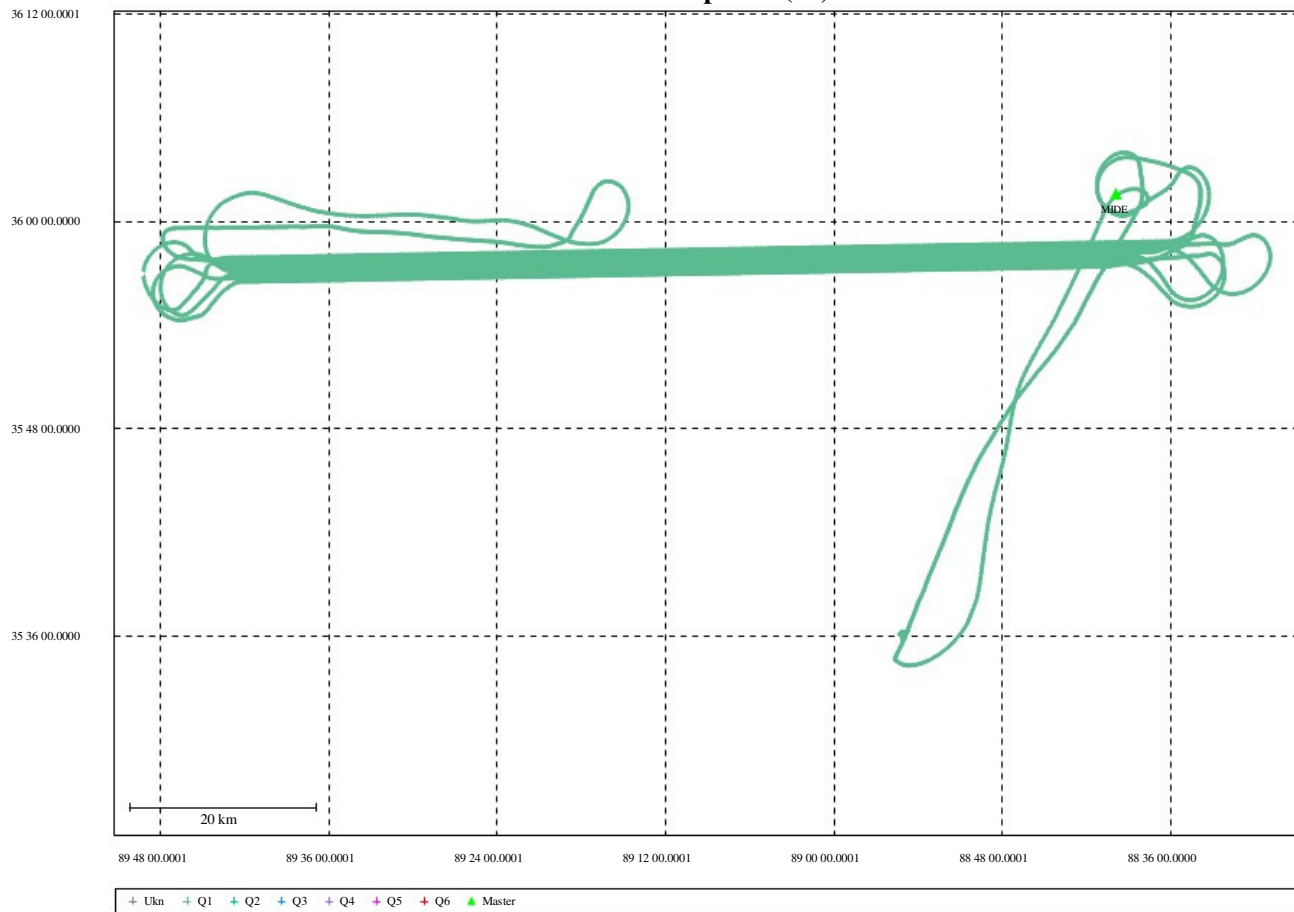
Minimum: 1.709 (km)

Average: 48.574 (km)

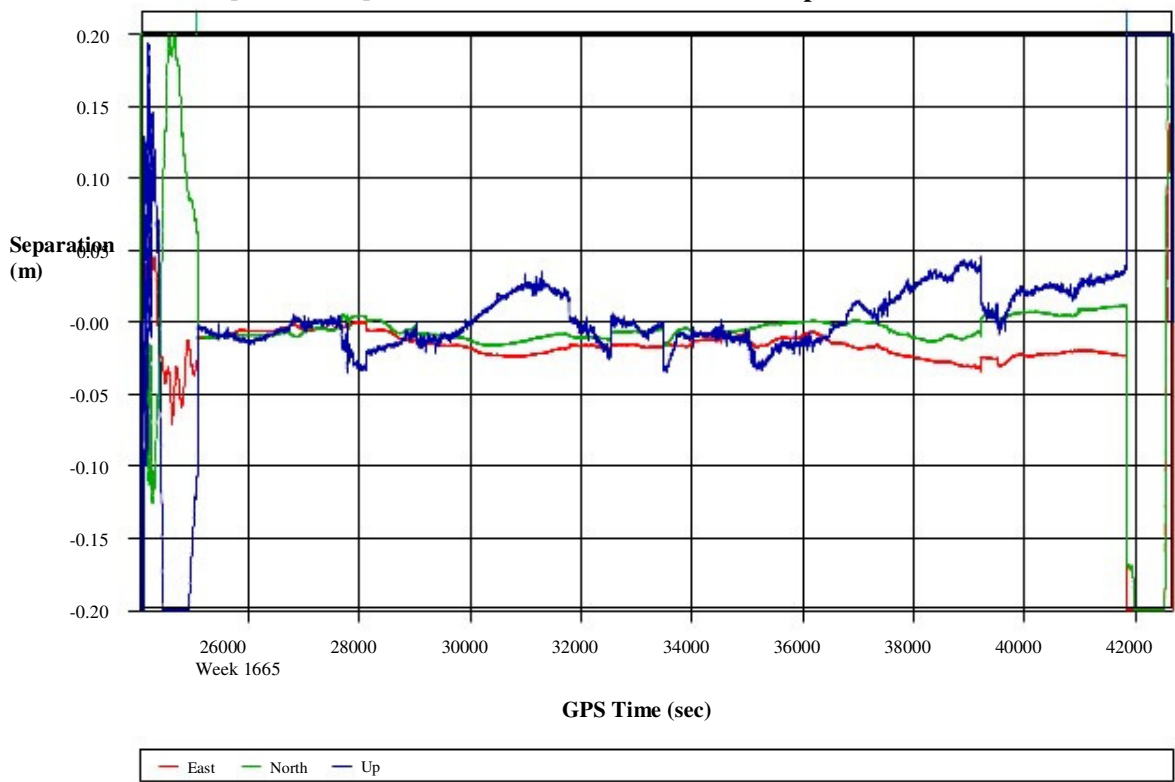
First Epoch: 27.244 (km)

Last Epoch: 25.404 (km)

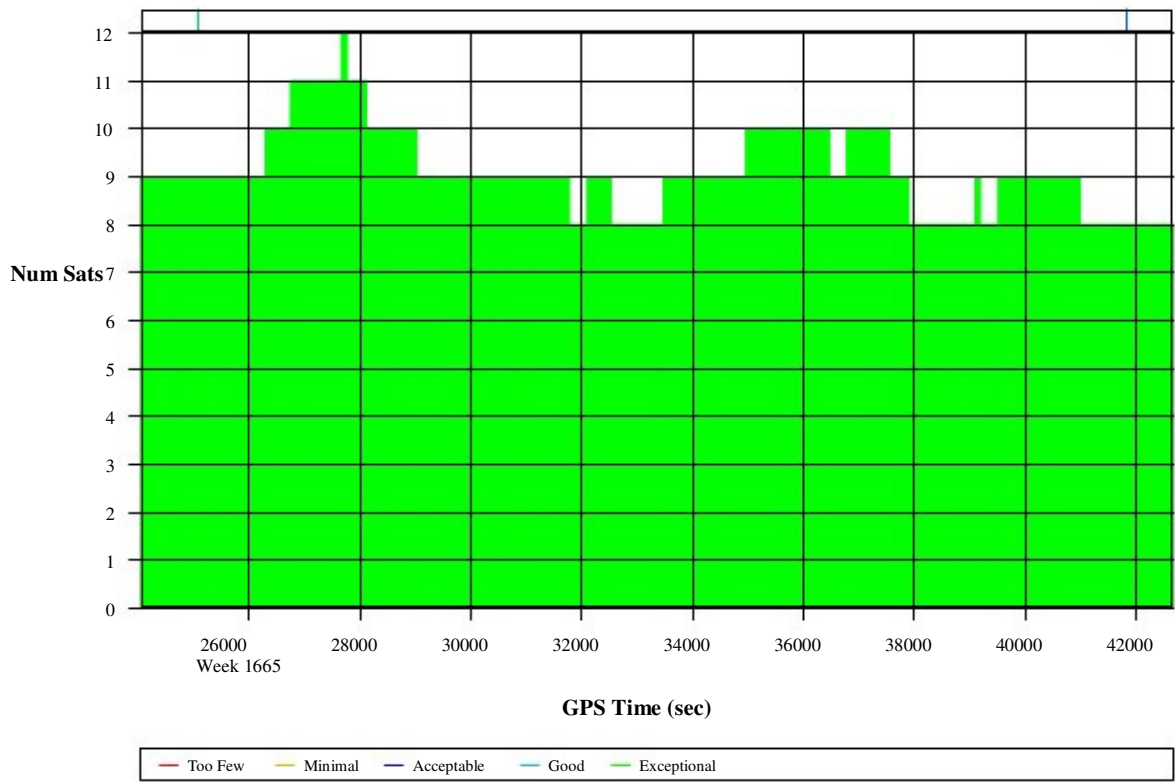
Combined - Map Run (10)



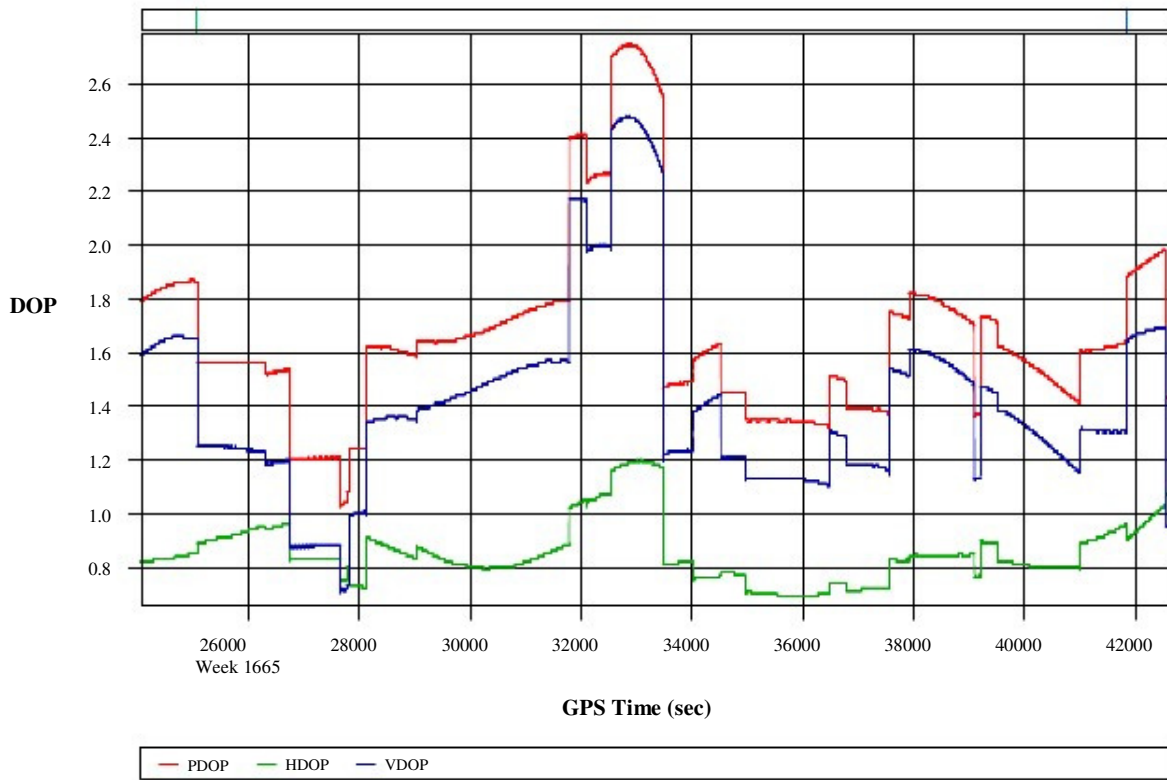
338 [Combined] - Forward/Reverse or Combined Separation Plot



338 [Combined] - Number of Satellites Bar Plot



338 [Combined] - PDOP, HDOP, VDOP Plots



338.txt
Processing Summary Information

Program: POSGPS
Version: 4.30.3108
Project: D:\Projects\Tn\2012\33811a\pos\GPS\338.gnv

Solution Type: Combined Fwd/Rev

Number of Epochs:

Total in GPB file:	186581
No processed position:	167934
Missing Fwd or Rev:	4
With bad C/A code:	0
With bad L1 Phase:	0

Measurement RMS Values:

L1 Phase:	0.0185 (m)
C/A Code:	0.96 (m)
L1 Doppler:	0.017 (m/s)

Fwd/Rev Separation RMS Values:

East:	0.064 (m)
North:	0.074 (m)
Height:	0.197 (m)

Fwd/Rev Sep. RMS for 25%-75% weighting (16767 occurrences):

East:	0.018 (m)
North:	0.008 (m)
Height:	0.018 (m)

Quality Number Percentages:

Q 1:	100.0 %
Q 2:	0.0 %
Q 3:	0.0 %
Q 4:	0.0 %

338.txt

Q 5: 0.0 %

Q 6: 0.0 %

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:

DOP over Tol: 0.0 %

Baseline Distances:

Maximum: 104.610 (km)

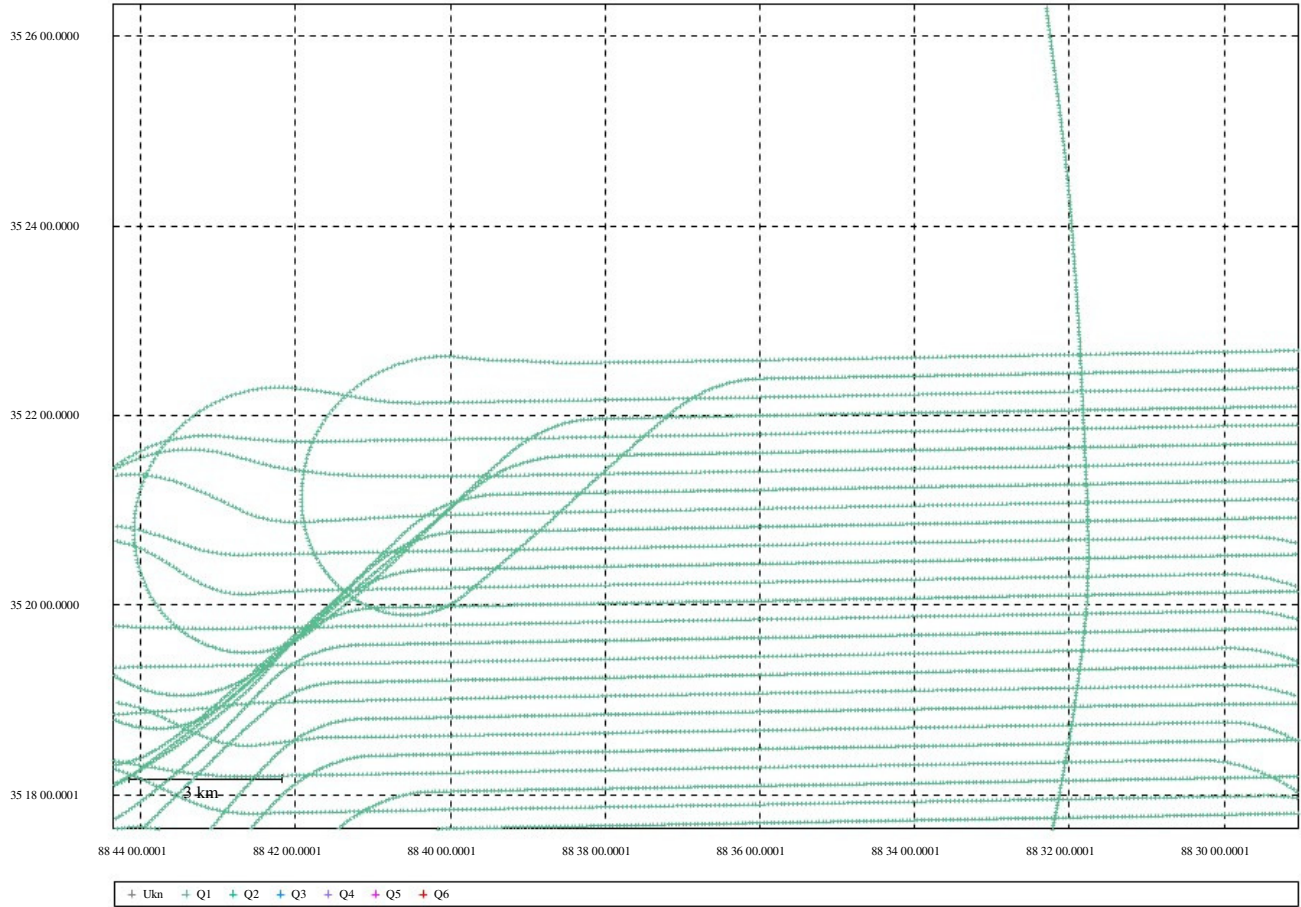
Minimum: 1.101 (km)

Average: 47.010 (km)

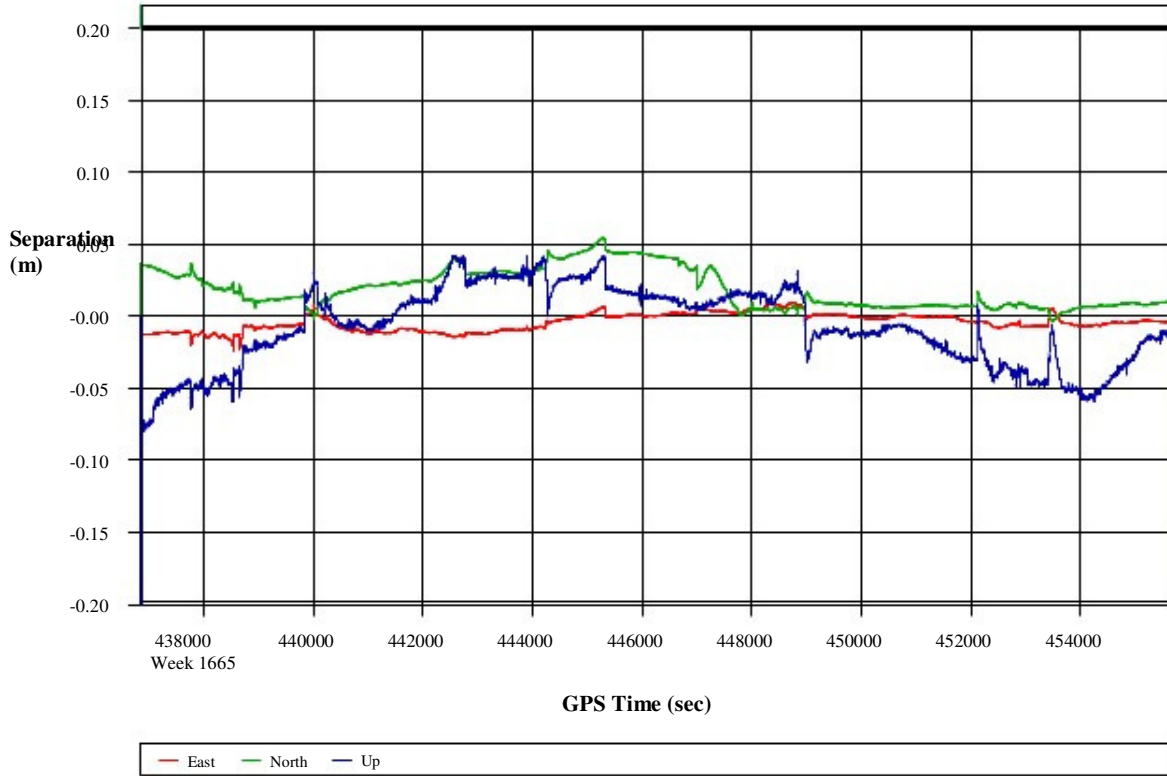
First Epoch: 52.492 (km)

Last Epoch: 52.508 (km)

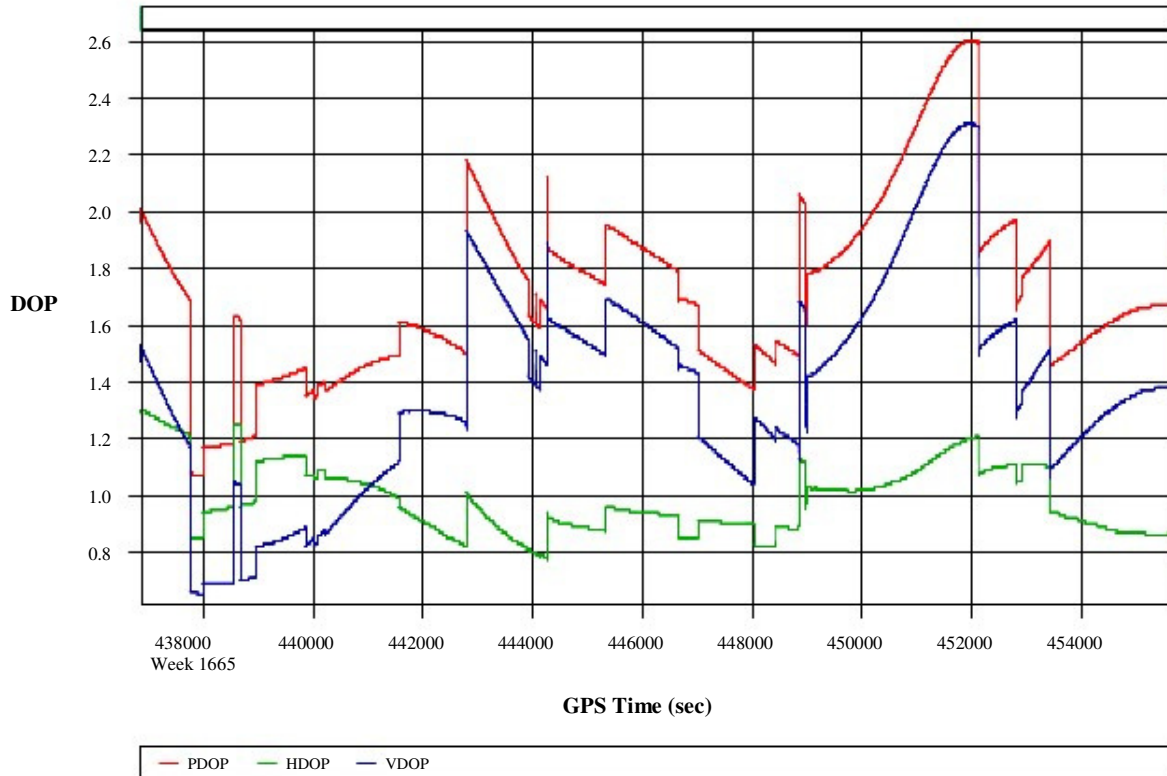
Combined - Map Run (20)



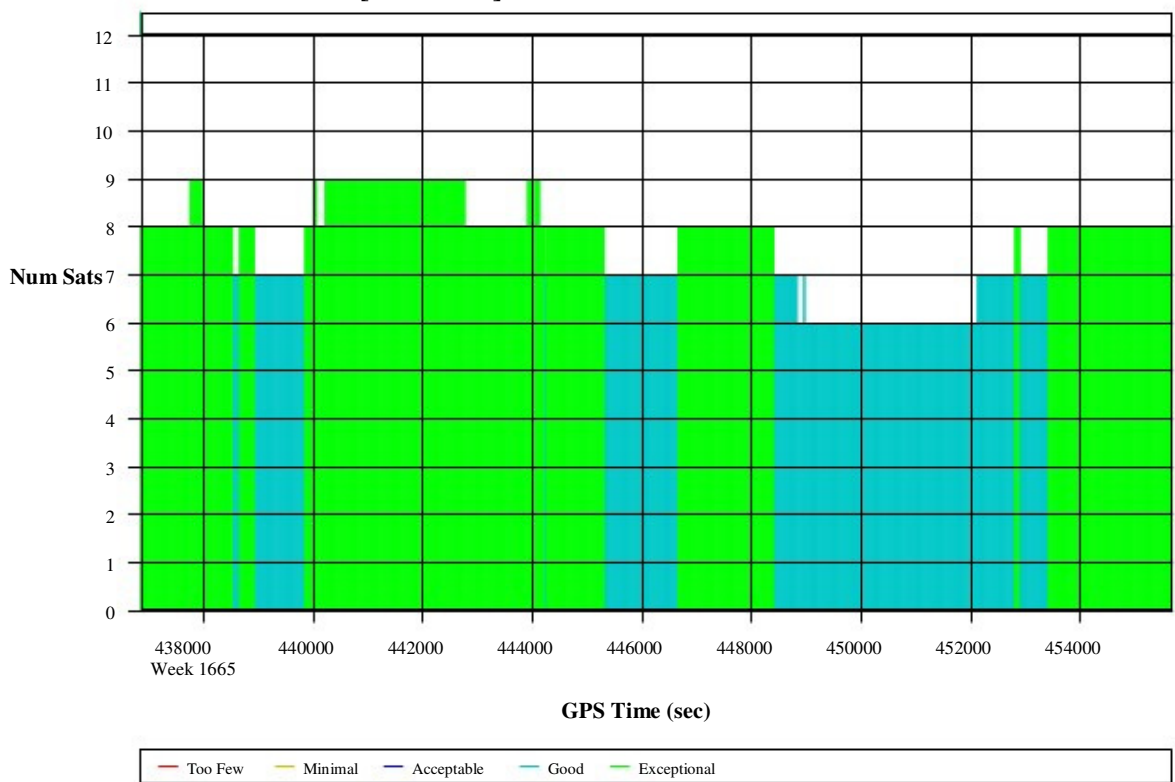
342 [Combined] - Forward/Reverse or Combined Separation Plot



342 [Combined] - PDOP, HDOP, VDOP Plots



342 [Combined] - Number of Satellites Bar Plot



342a.txt
Processing Summary Information

Program: POSGPS
Version: 4.30.3108
Project: D:\Projects\Tn\2012\34211a\pos\GPS\342.gnv

Solution Type: Combined Fwd/Rev

Number of Epochs:

Total in GPB file:	203699
No processed position:	184908
Missing Fwd or Rev:	4
With bad C/A code:	0
With bad L1 Phase:	0

Measurement RMS Values:

L1 Phase:	0.0179 (m)
C/A Code:	1.08 (m)
L1 Doppler:	0.018 (m/s)

Fwd/Rev Separation RMS Values:

East:	0.008 (m)
North:	0.024 (m)
Height:	0.031 (m)

Fwd/Rev Sep. RMS for 25%-75% weighting (18785 occurrences):

East:	0.007 (m)
North:	0.023 (m)
Height:	0.029 (m)

Quality Number Percentages:

Q 1:	100.0 %
Q 2:	0.0 %
Q 3:	0.0 %
Q 4:	0.0 %

Q 5: 0.0 %

Q 6: 0.0 %

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:

DOP over Tol: 0.0 %

Baseline Distances:

Maximum: 47.772 (km)

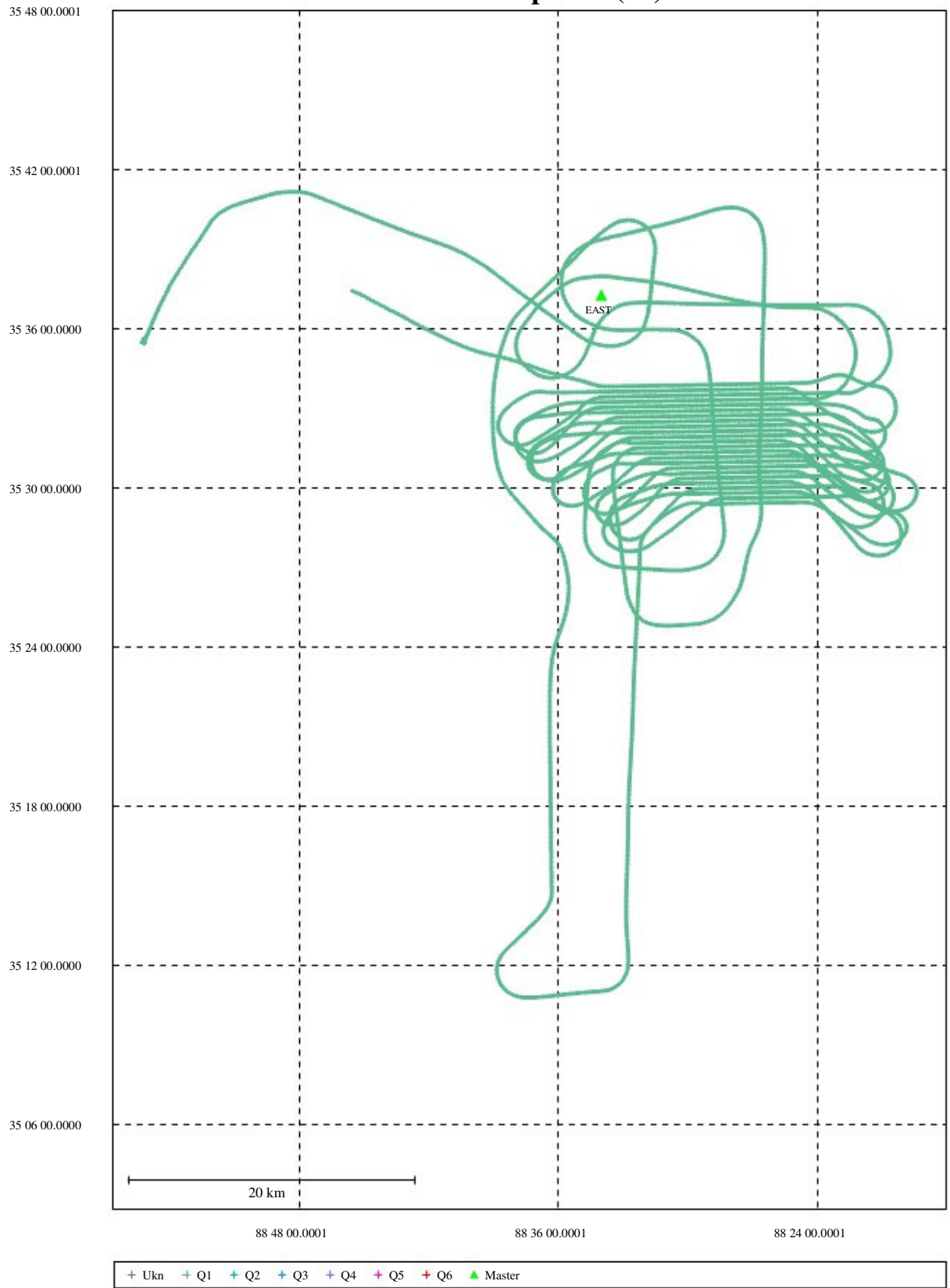
Minimum: 2.868 (km)

Average: 33.030 (km)

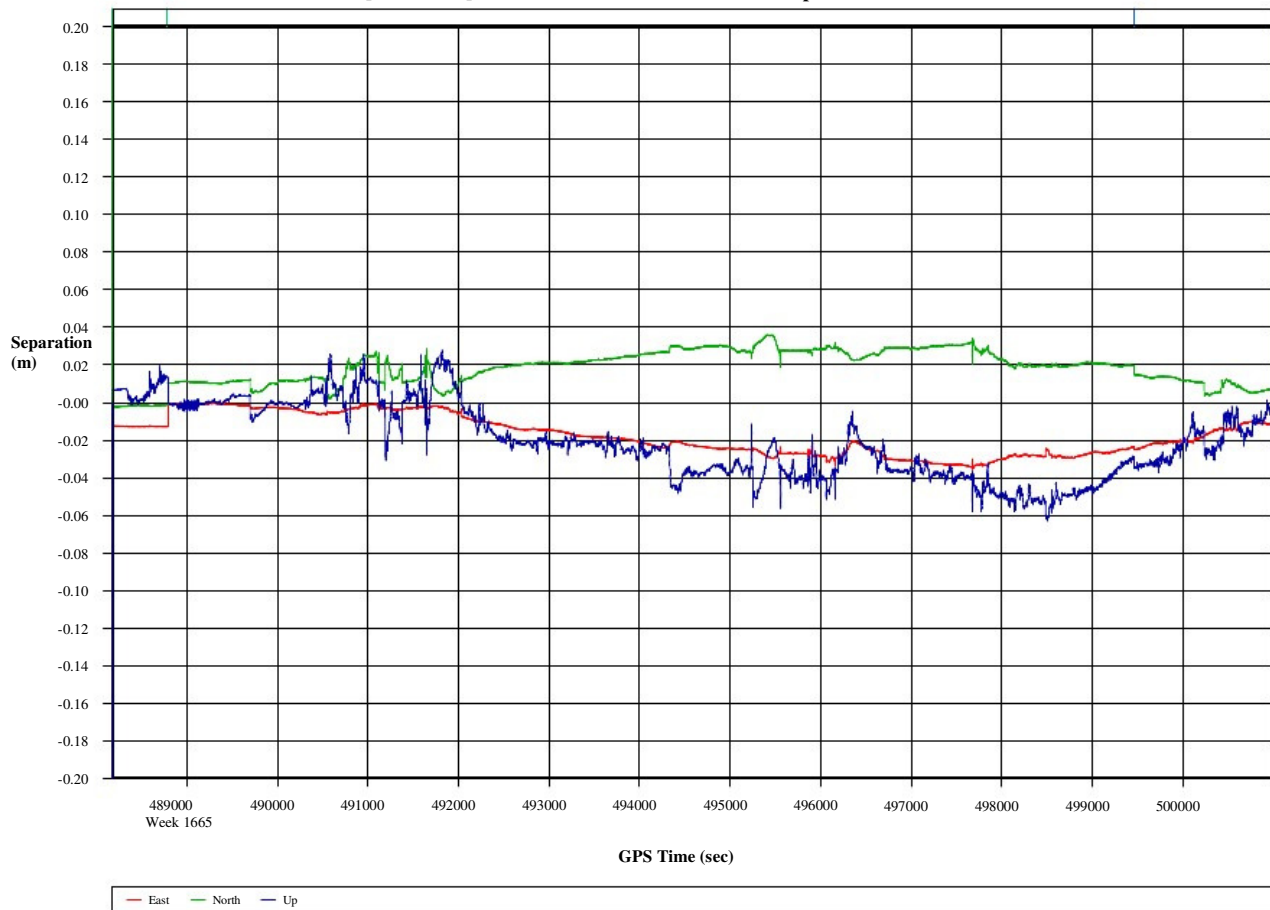
First Epoch: 29.643 (km)

Last Epoch: 29.440 (km)

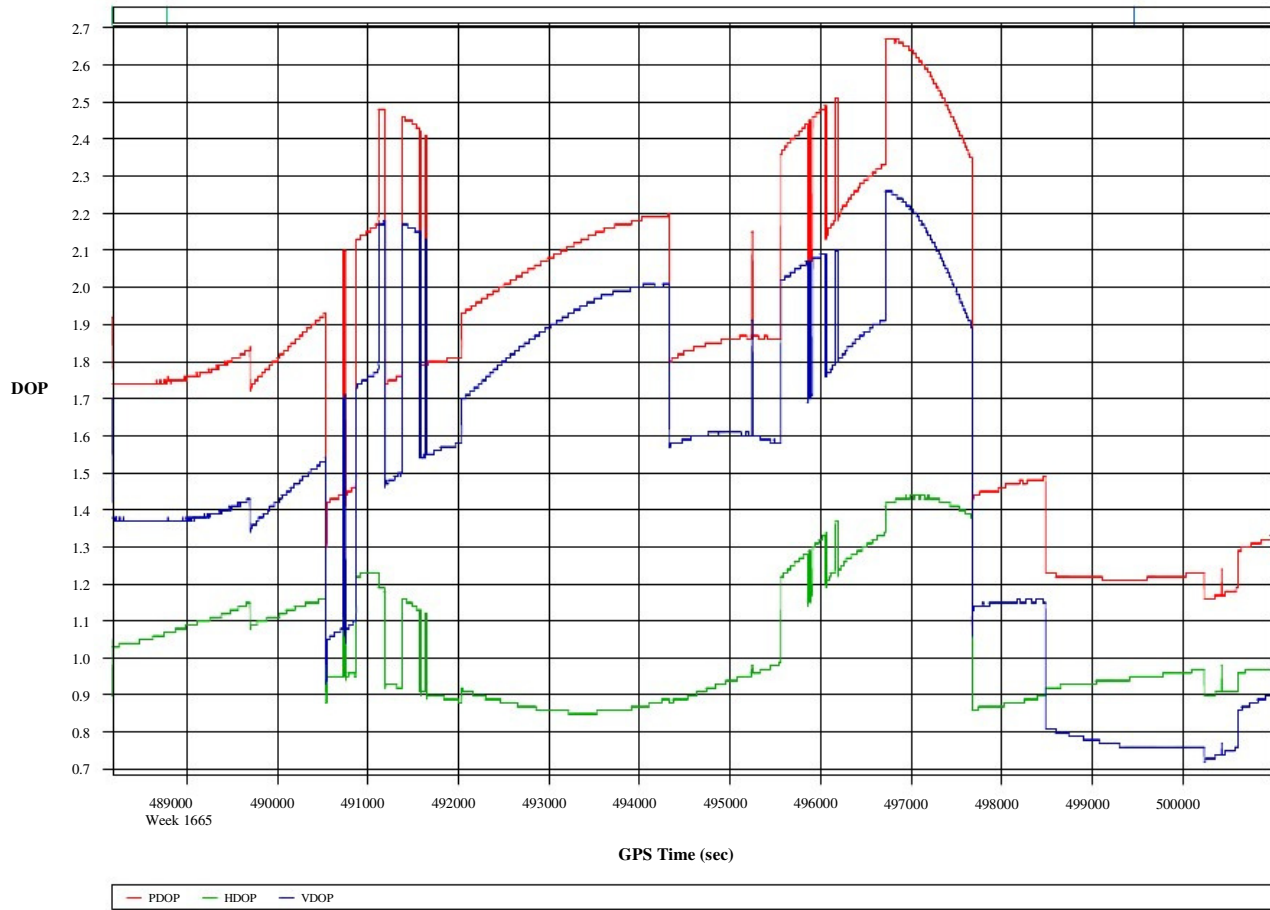
Combined - Map Run (22)



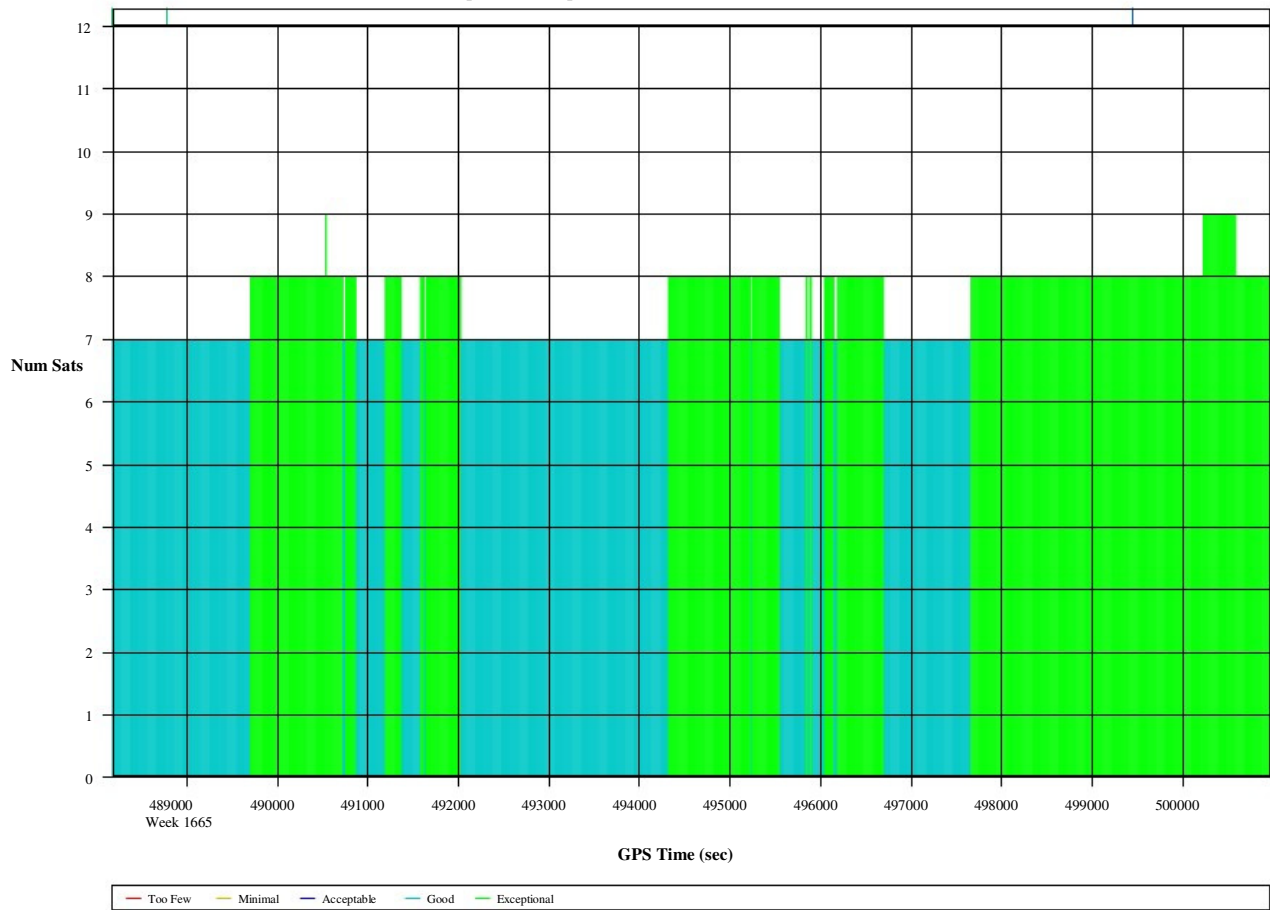
343a [Combined] - Forward/Reverse or Combined Separation Plot



343a [Combined] - PDOP, HDOP, VDOP Plots



343a [Combined] - Number of Satellites Bar Plot



34311a_summary.txt
Processing Summary Information

Program: POSGPS
Version: 4.30.3108
Project: X:\Projects\tennesse\2012\34311a\pos\GPS\343a.gnv

Solution Type: Combined Fwd/Rev

Number of Epochs:

Total in GPB file:	140970
No processed position:	128170
Missing Fwd or Rev:	4
With bad C/A code:	0
With bad L1 Phase:	0

Measurement RMS Values:

L1 Phase:	0.0181 (m)
C/A Code:	1.00 (m)
L1 Doppler:	0.018 (m/s)

Fwd/Rev Separation RMS Values:

East:	0.021 (m)
North:	0.022 (m)
Height:	0.031 (m)

Fwd/Rev Sep. RMS for 25%-75% weighting (12794 occurrences):

East:	0.020 (m)
North:	0.021 (m)
Height:	0.028 (m)

Quality Number Percentages:

Q 1:	100.0 %
Q 2:	0.0 %
Q 3:	0.0 %
Q 4:	0.0 %

Q 5: 0.0 %

Q 6: 0.0 %

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:

DOP over Tol: 0.0 %

Baseline Distances:

Maximum: 49.256 (km)

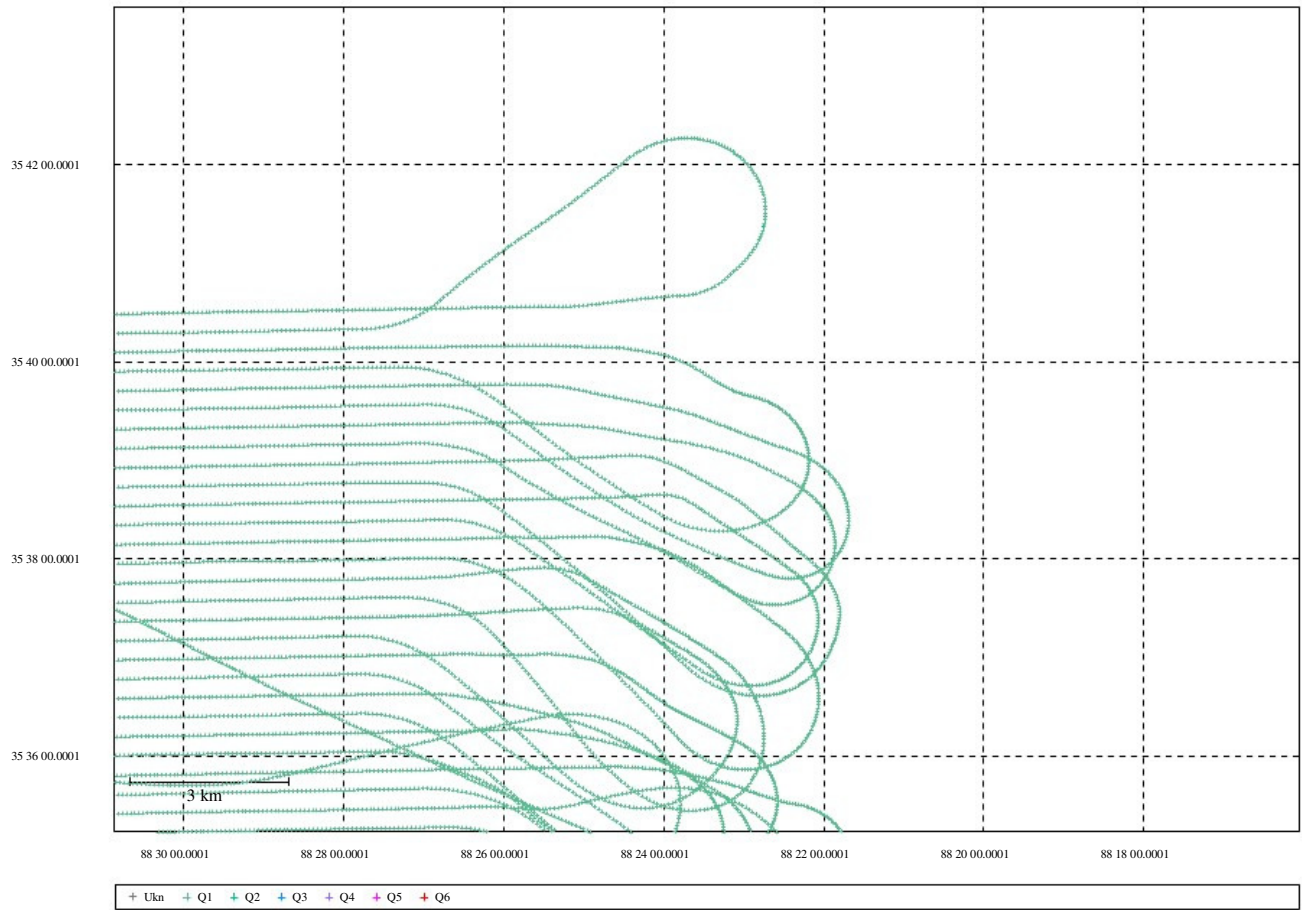
Minimum: 1.648 (km)

Average: 16.258 (km)

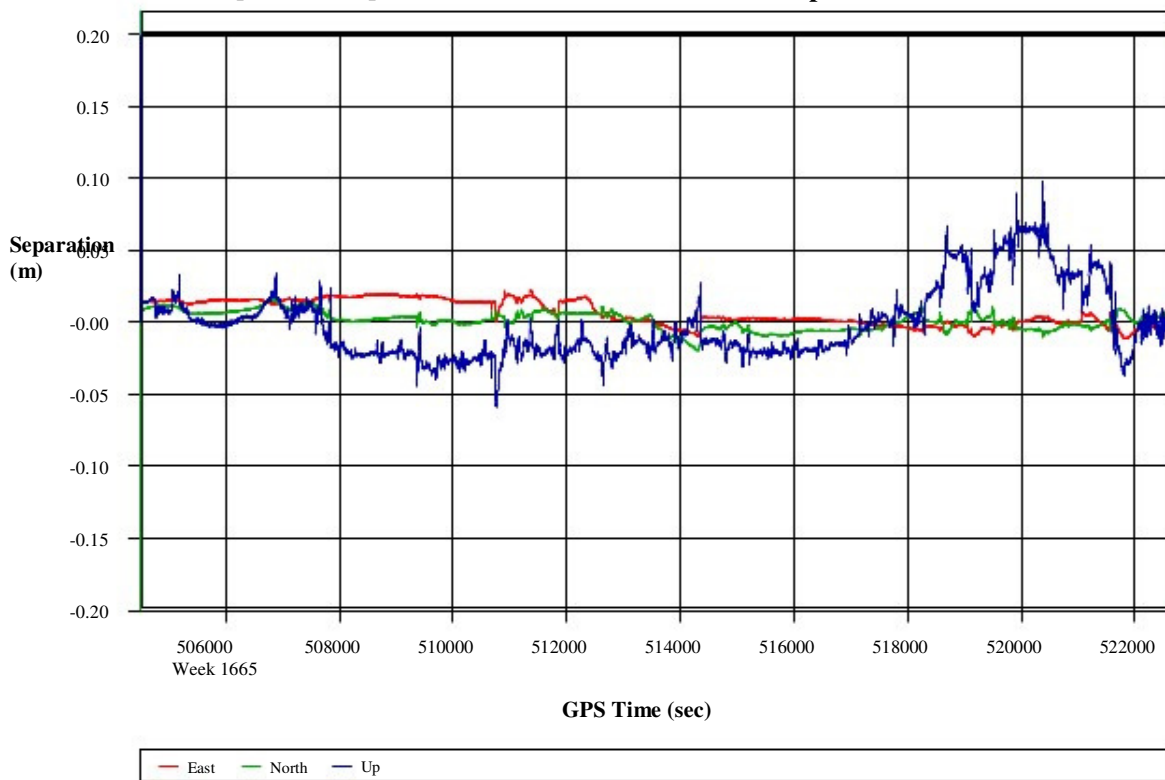
First Epoch: 32.079 (km)

Last Epoch: 17.448 (km)

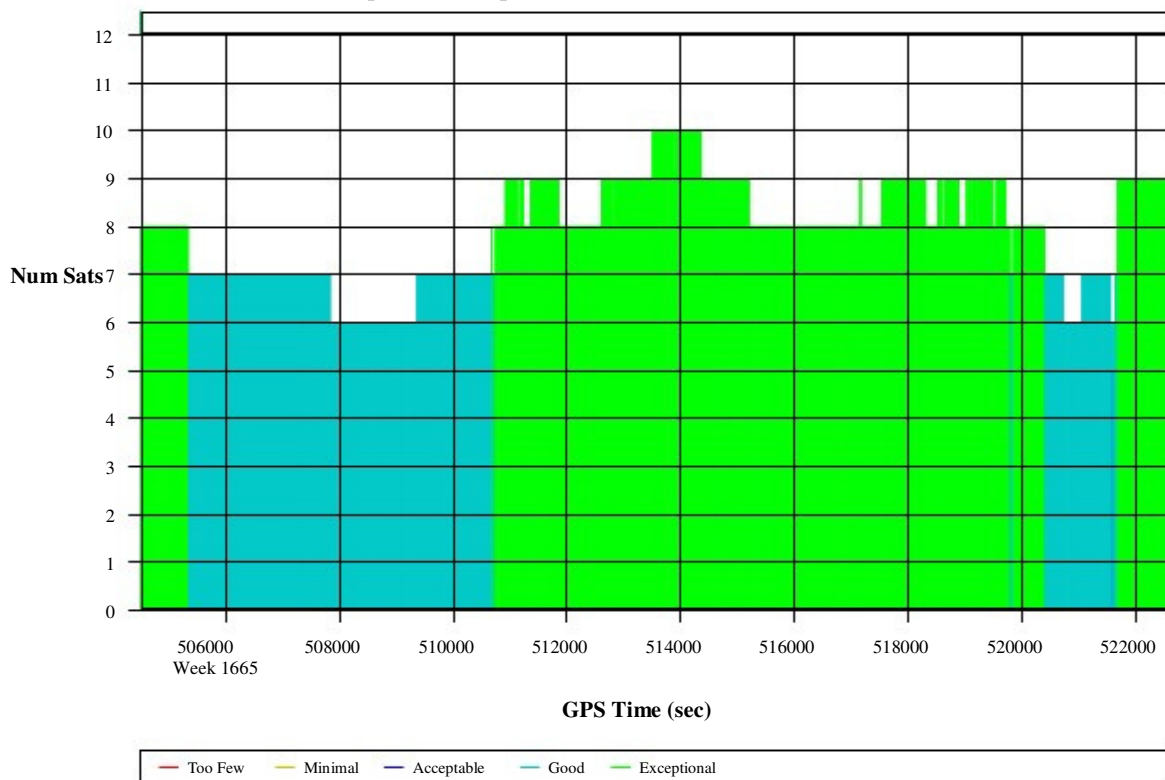
Combined - Map Run (9)



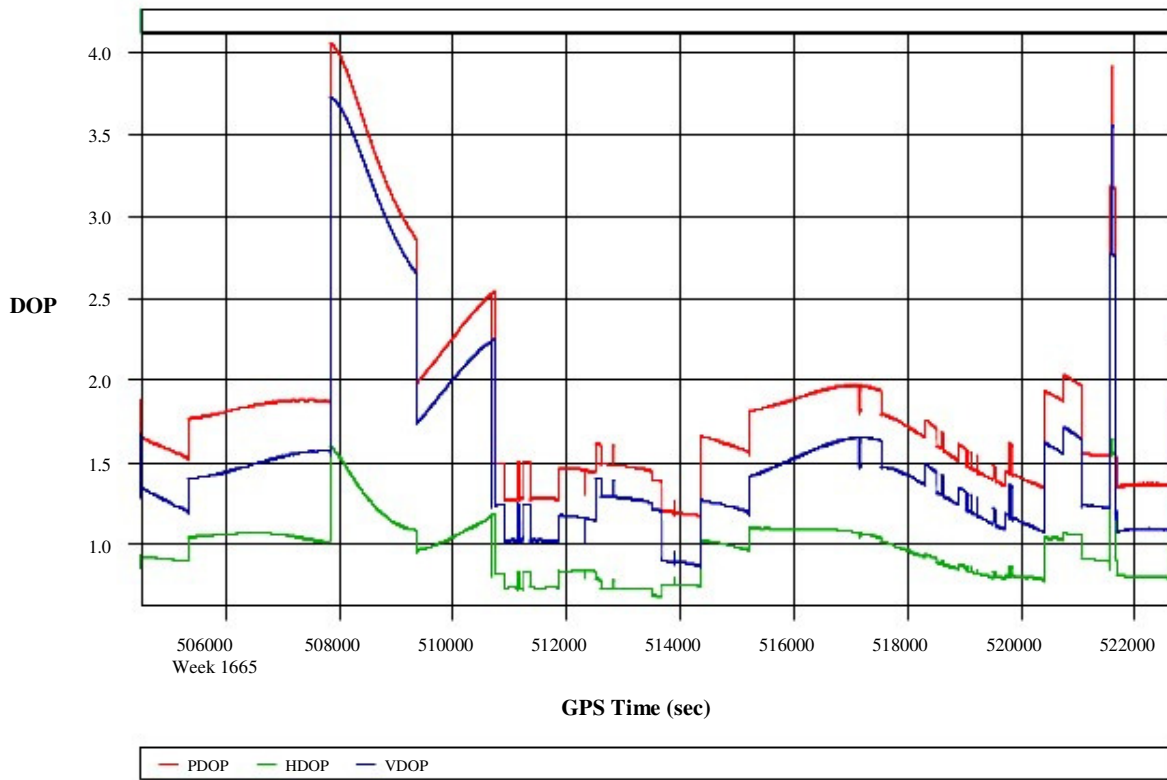
343b [Combined] - Forward/Reverse or Combined Separation Plot



343b [Combined] - Number of Satellites Bar Plot



343b [Combined] - PDOP, HDOP, VDOP Plots



343b.txt
Processing Summary Information

Program: POSGPS
Version: 4.30.3108
Project: D:\Projects\Tn\2012\34311b\pos\GPS\343b.gnv

Solution Type: Combined Fwd/Rev

Number of Epochs:

Total in GPB file:	190491
No processed position:	172310
Missing Fwd or Rev:	4
With bad C/A code:	0
With bad L1 Phase:	0

Measurement RMS Values:

L1 Phase:	0.0177 (m)
C/A Code:	1.06 (m)
L1 Doppler:	0.019 (m/s)

Fwd/Rev Separation RMS Values:

East:	0.014 (m)
North:	0.009 (m)
Height:	0.033 (m)

Fwd/Rev Sep. RMS for 25%-75% weighting (18173 occurrences):

East:	0.010 (m)
North:	0.006 (m)
Height:	0.024 (m)

Quality Number Percentages:

Q 1:	100.0 %
Q 2:	0.0 %
Q 3:	0.0 %
Q 4:	0.0 %

Q 5: 0.0 %

Q 6: 0.0 %

Position Standard Deviation Percentages:

0.00 - 0.10 m: 88.2 %

0.10 - 0.30 m: 11.8 %

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: 4.8 %

Baseline Distances:

Maximum: 36.349 (km)

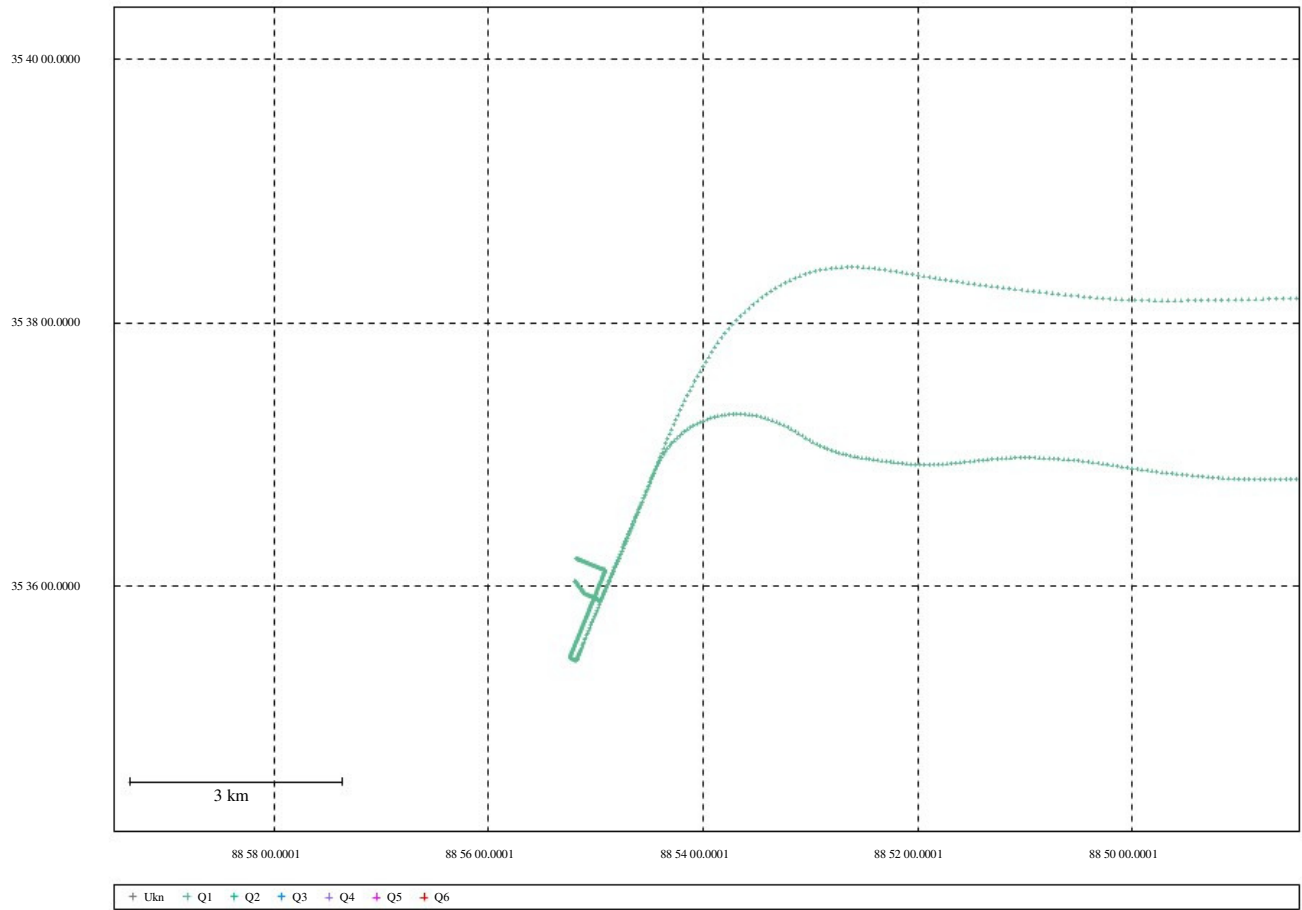
Minimum: 1.051 (km)

Average: 10.543 (km)

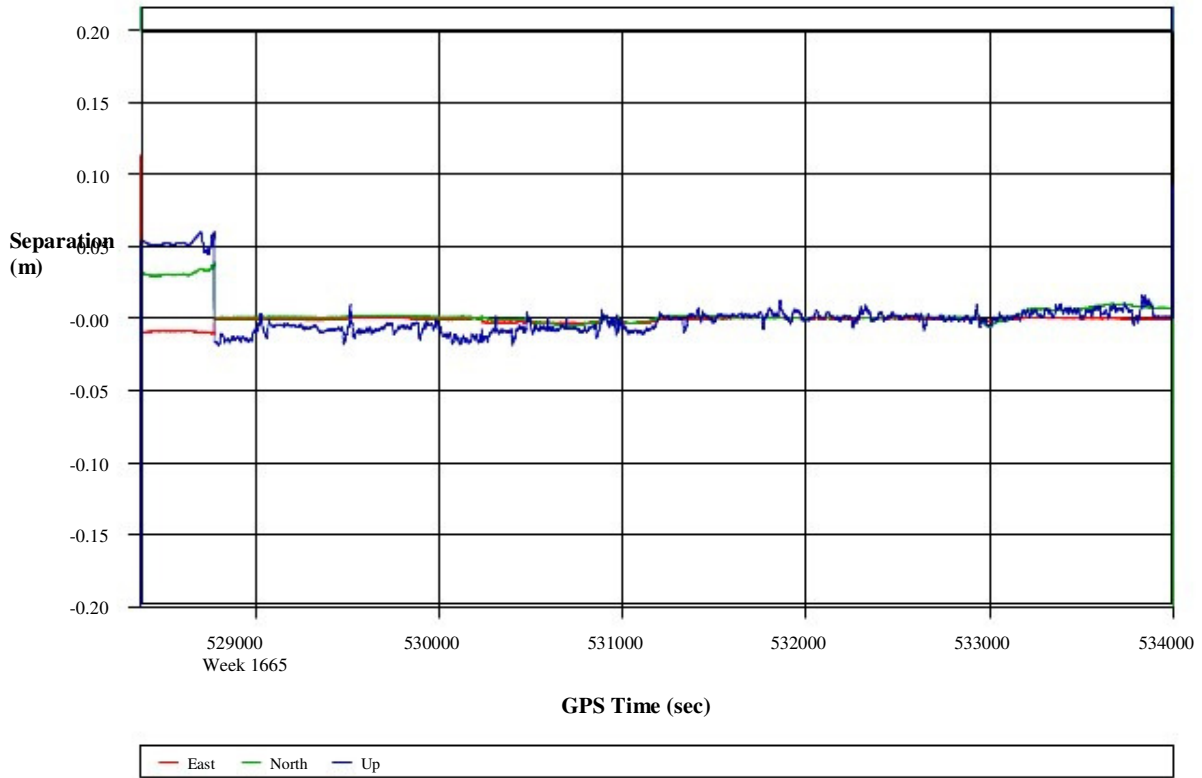
First Epoch: 32.021 (km)

Last Epoch: 32.070 (km)

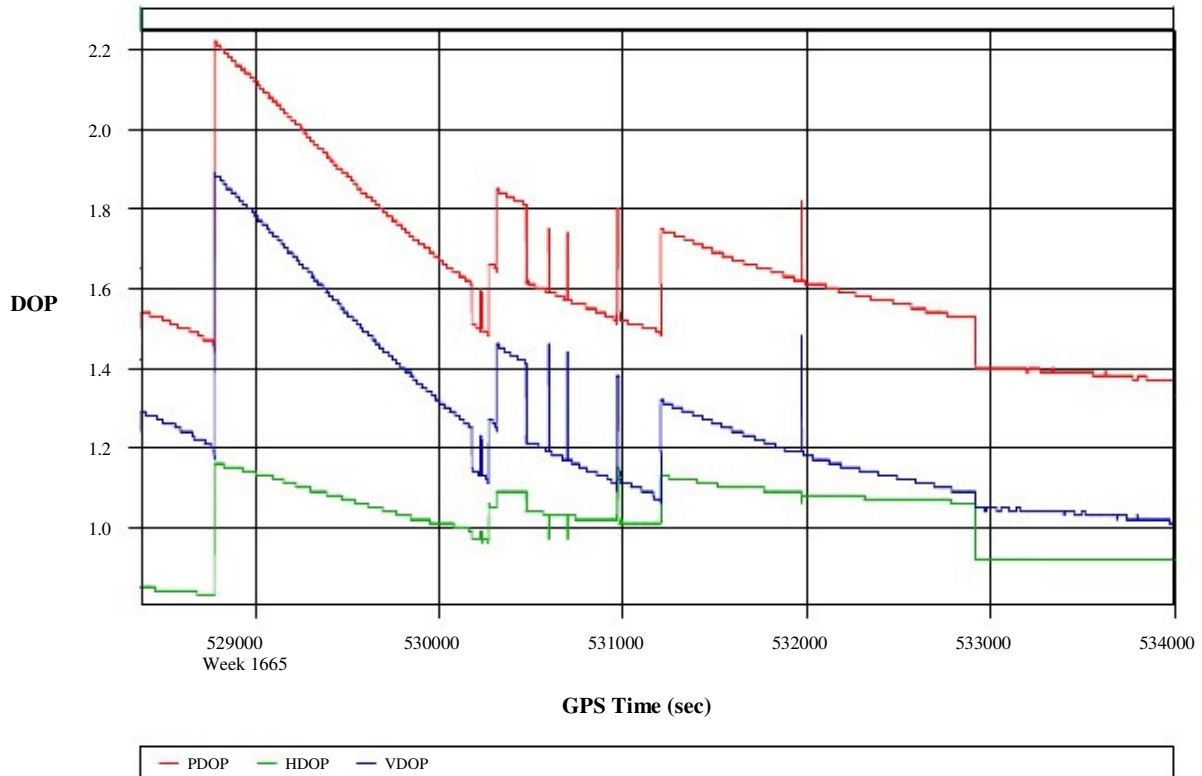
Combined - Map Run (1)



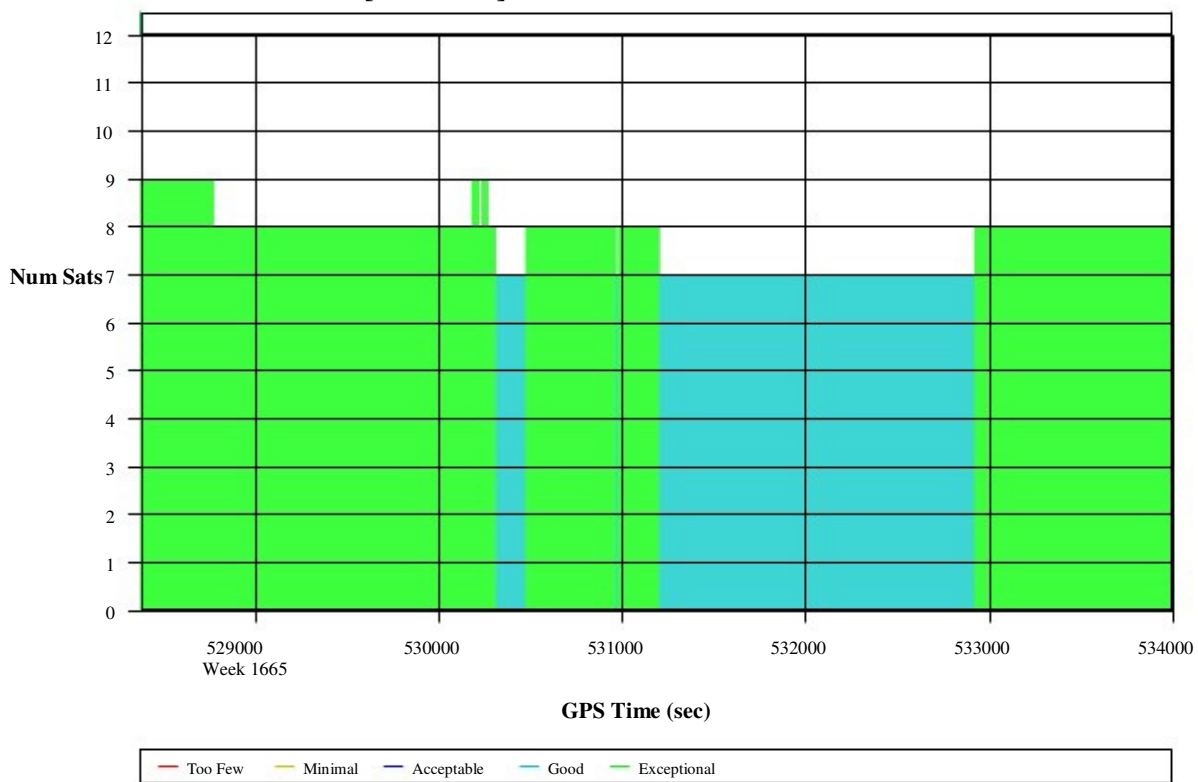
343c [Combined] - Forward/Reverse or Combined Separation Plot



343c [Combined] - PDOP, HDOP, VDOP Plots



343c [Combined] - Number of Satellites Bar Plot



343c.txt
Processing Summary Information

Program: POSGPS
Version: 4.30.3108
Project: D:\Projects\Tn\2012\3431 1c\pos\GPS\343c.gnv

Solution Type: Combined Fwd/Rev

Number of Epochs:

Total in GPB file:	67299
No processed position:	61673
Missing Fwd or Rev:	7
With bad C/A code:	0
With bad L1 Phase:	0

Measurement RMS Values:

L1 Phase:	0.0191 (m)
C/A Code:	0.96 (m)
L1 Doppler:	0.020 (m/s)

Fwd/Rev Separation RMS Values:

East:	0.003 (m)
North:	0.012 (m)
Height:	0.019 (m)

Fwd/Rev Sep. RMS for 25%-75% weighting (5617 occurrences):

East:	0.003 (m)
North:	0.009 (m)
Height:	0.015 (m)

Quality Number Percentages:

Q 1:	100.0 %
Q 2:	0.0 %
Q 3:	0.0 %
Q 4:	0.0 %

Q 5: 0.0 %

Q 6: 0.0 %

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:

DOP over Tol: 0.0 %

Baseline Distances:

Maximum: 32.255 (km)

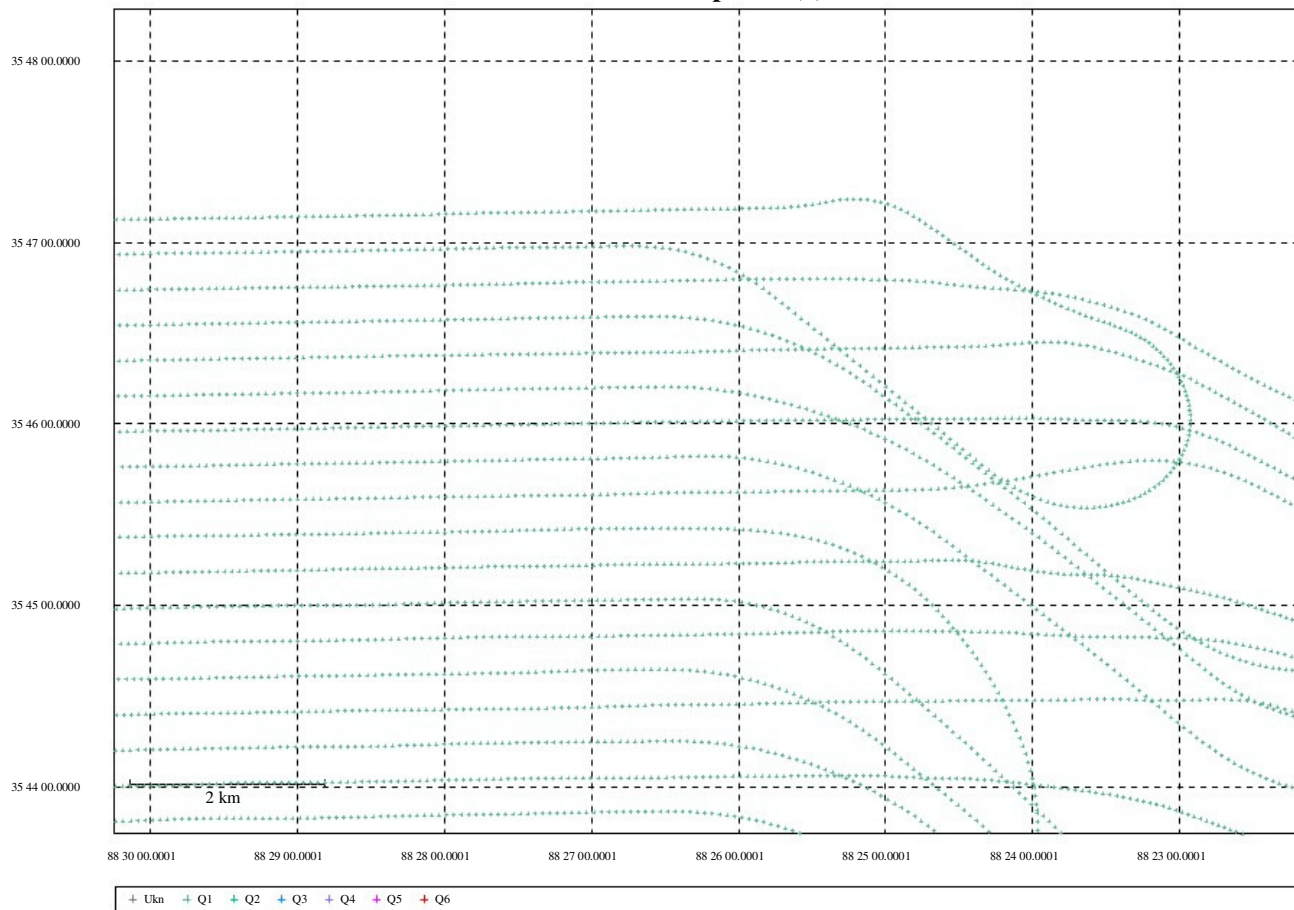
Minimum: 1.437 (km)

Average: 13.536 (km)

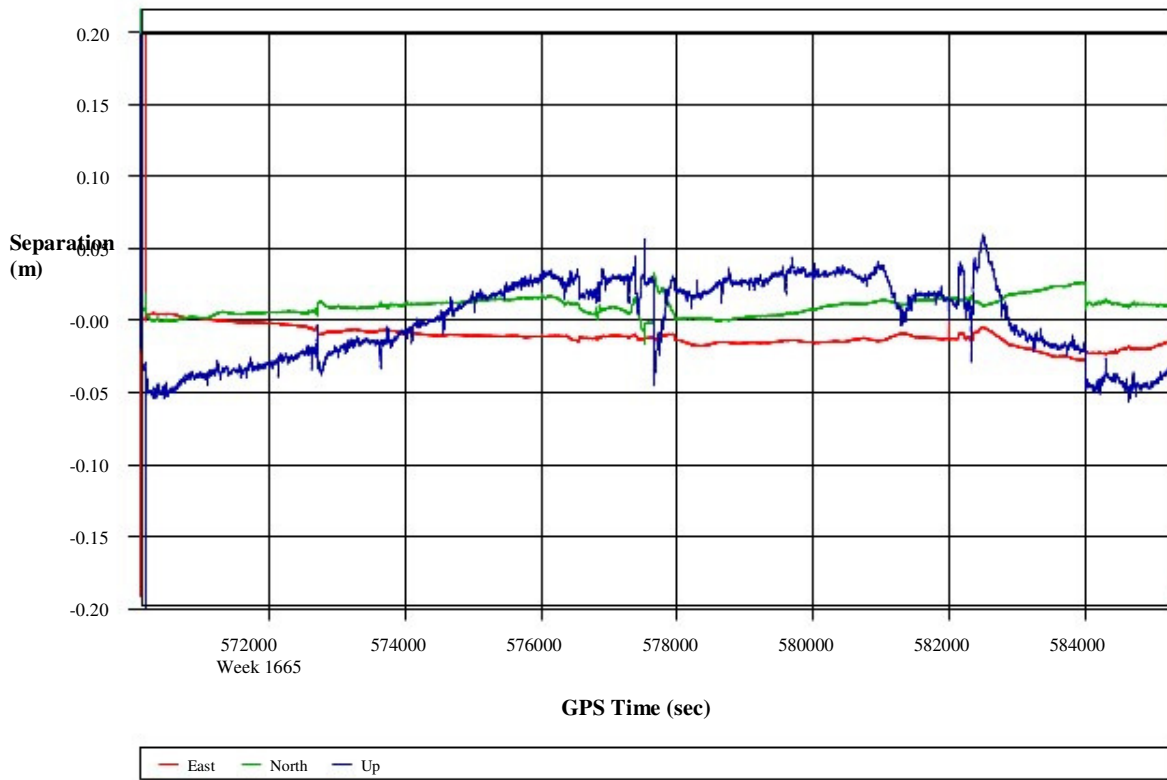
First Epoch: 32.057 (km)

Last Epoch: 32.099 (km)

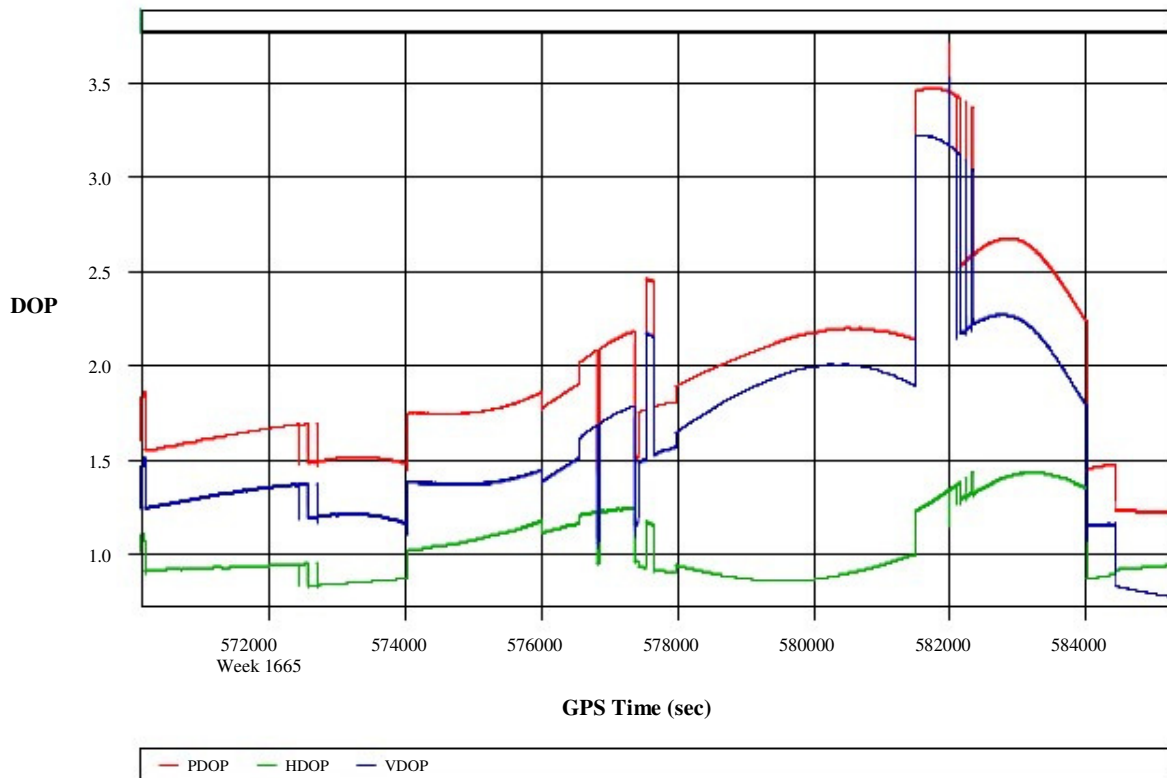
Combined - Map Run (7)



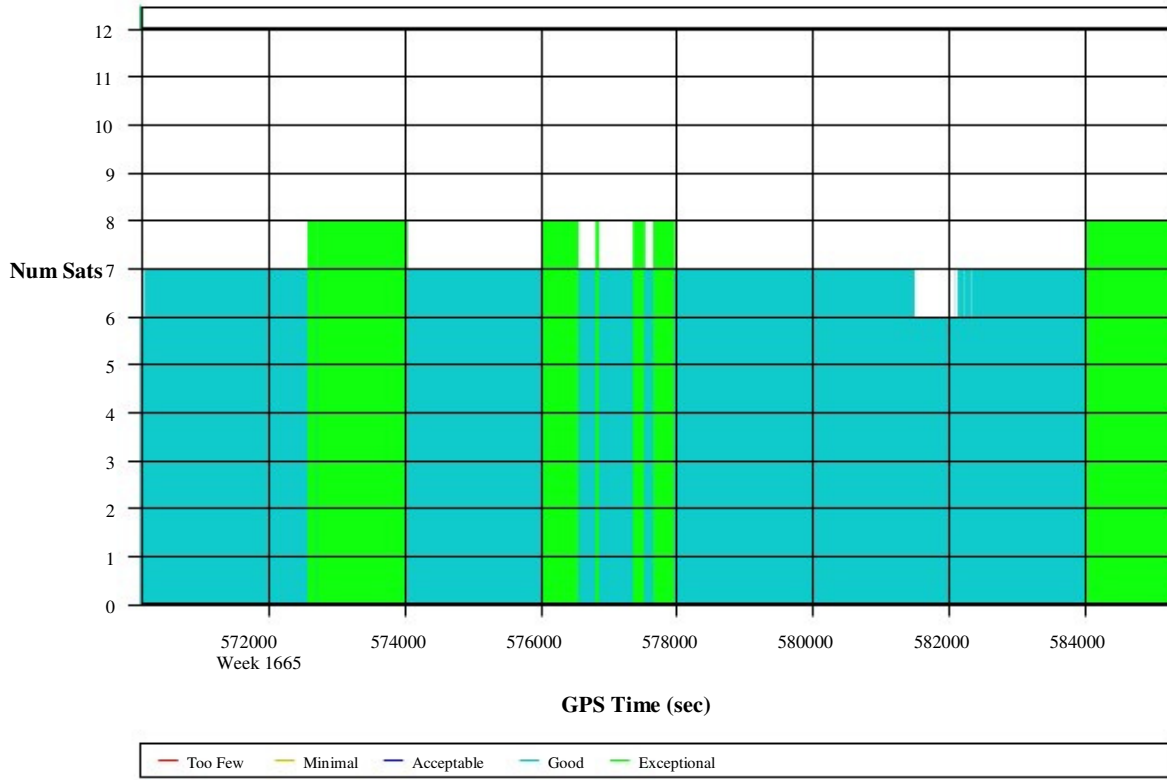
344a [Combined] - Forward/Reverse or Combined Separation Plot



344a [Combined] - PDOP, HDOP, VDOP Plots



344a [Combined] - Number of Satellites Bar Plot



344.txt
Processing Summary Information

Program: POSGPS
Version: 4.30.3108
Project: F:\Projects\Tn\344a\pos\GPS\344a.gnv

Solution Type: Combined Fwd/Rev

Number of Epochs:

Total in GPB file:	153510
No processed position:	138309
Missing Fwd or Rev:	5
With bad C/A code:	0
With bad L1 Phase:	0

Measurement RMS Values:

L1 Phase:	0.0192 (m)
C/A Code:	1.01 (m)
L1 Doppler:	0.017 (m/s)

Fwd/Rev Separation RMS Values:

East:	0.014 (m)
North:	0.013 (m)
Height:	0.032 (m)

Fwd/Rev Sep. RMS for 25%-75% weighting (15193 occurrences):

East:	0.013 (m)
North:	0.011 (m)
Height:	0.028 (m)

Quality Number Percentages:

Q 1:	100.0 %
Q 2:	0.0 %
Q 3:	0.0 %
Q 4:	0.0 %

344.txt

Q 5: 0.0 %

Q 6: 0.0 %

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:

DOP over Tol: 0.0 %

Baseline Distances:

Maximum: 25.787 (km)

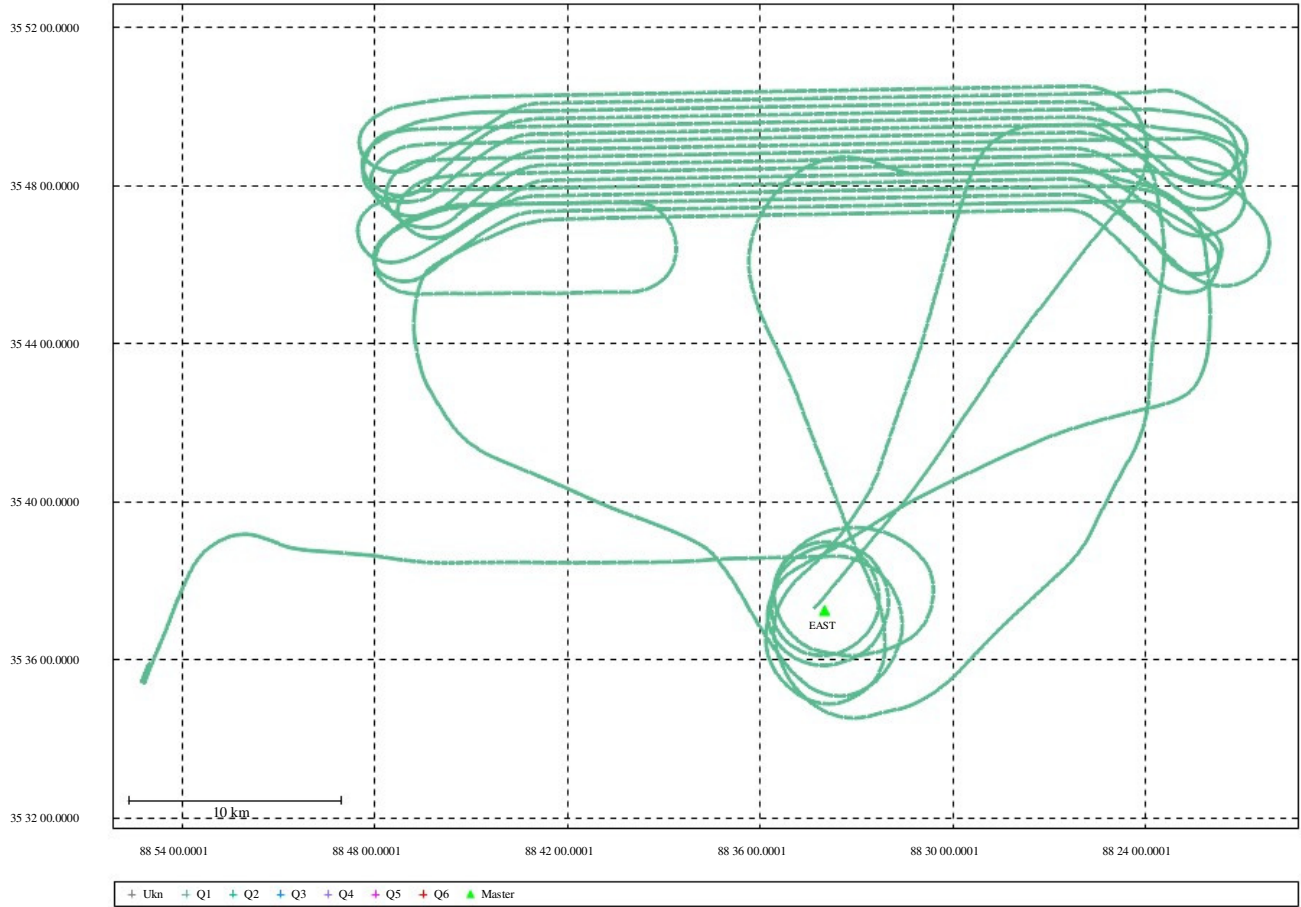
Minimum: 1.582 (km)

Average: 15.010 (km)

First Epoch: 4.447 (km)

Last Epoch: 2.741 (km)

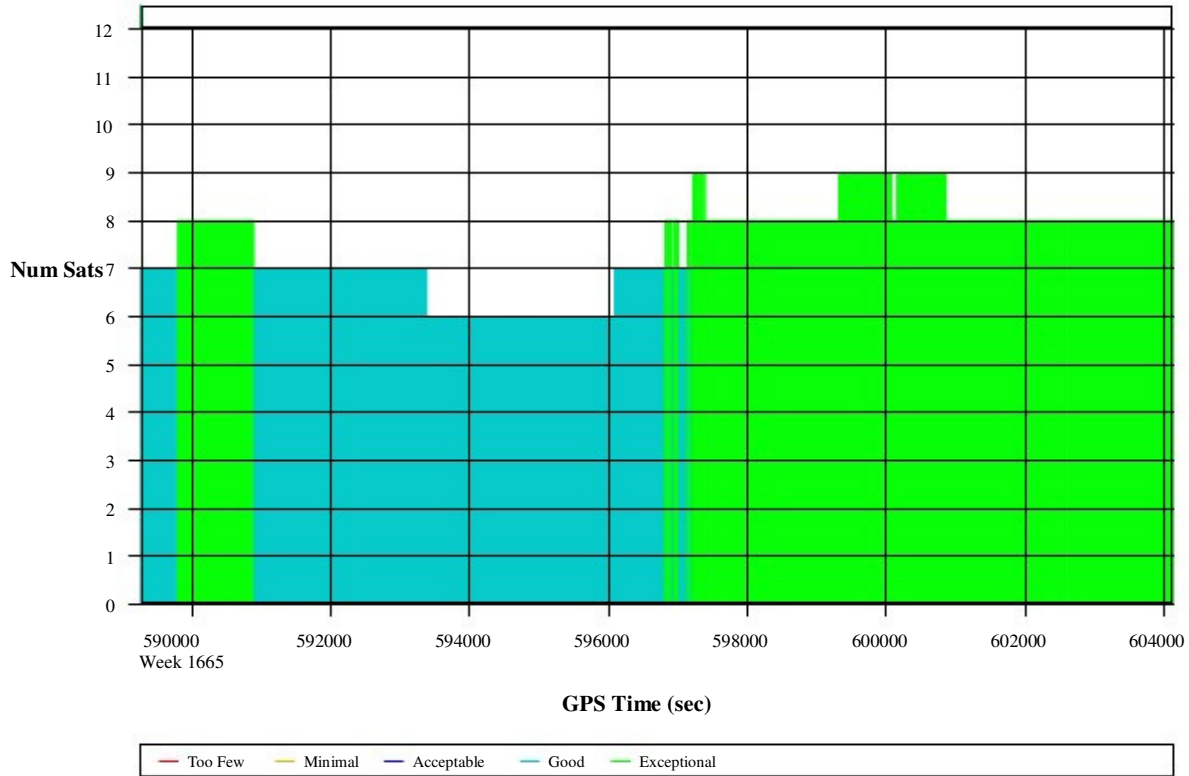
Combined - Map Run (14)



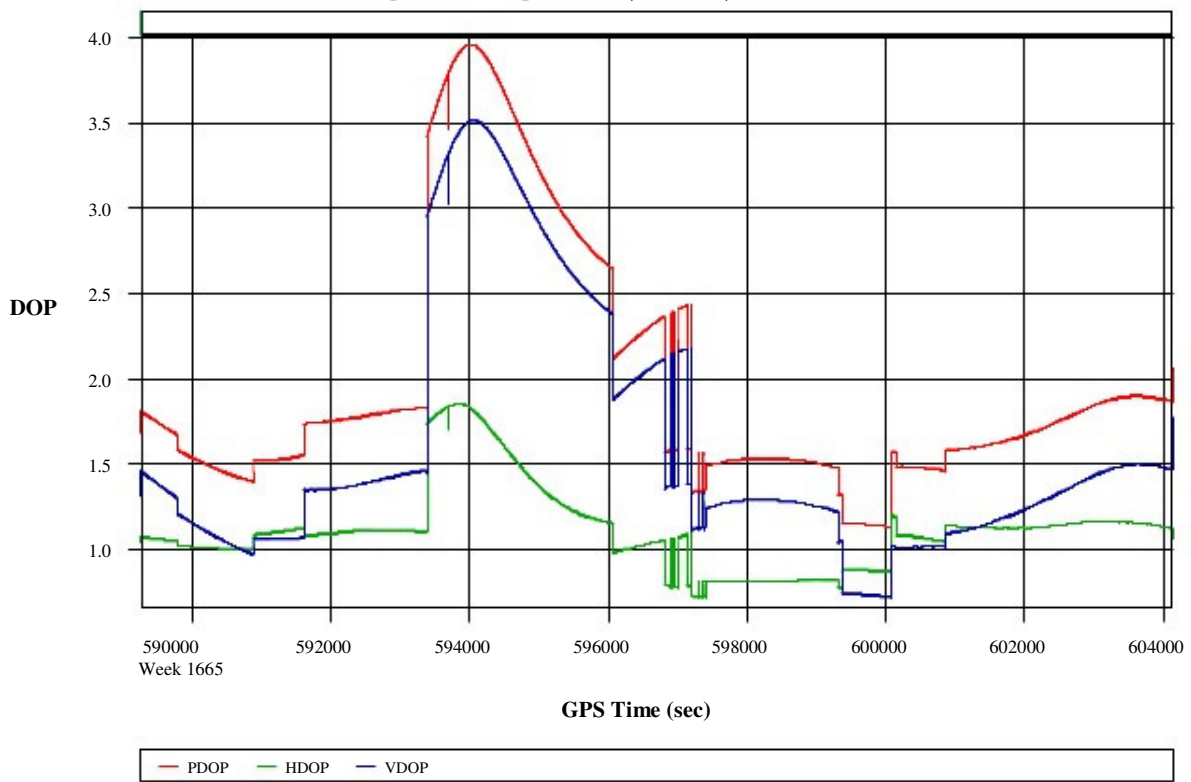
344b [Combined] - Forward/Reverse or Combined Separation Plot



344b [Combined] - Number of Satellites Bar Plot



344b [Combined] - PDOP, HDOP, VDOP Plots



344b.txt
Processing Summary Information

Program: POSGPS
Version: 4.30.3108
Project: F:\Projects\Tn\344b\pos\GPS\344b.gnv

Solution Type: Combined Fwd/Rev

Number of Epochs:

Total in GPB file:	150755
No processed position:	135874
Missing Fwd or Rev:	4
With bad C/A code:	0
With bad L1 Phase:	0

Measurement RMS Values:

L1 Phase:	0.0180 (m)
C/A Code:	0.97 (m)
L1 Doppler:	0.019 (m/s)

Fwd/Rev Separation RMS Values:

East:	0.007 (m)
North:	0.010 (m)
Height:	0.026 (m)

Fwd/Rev Sep. RMS for 25%-75% weighting (14875 occurrences):

East:	0.006 (m)
North:	0.008 (m)
Height:	0.020 (m)

Quality Number Percentages:

Q 1:	100.0 %
Q 2:	0.0 %
Q 3:	0.0 %
Q 4:	0.0 %

Q 5: 0.0 %

Q 6: 0.0 %

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:

DOP over Tol: 3.5 %

Baseline Distances:

Maximum: 32.255 (km)

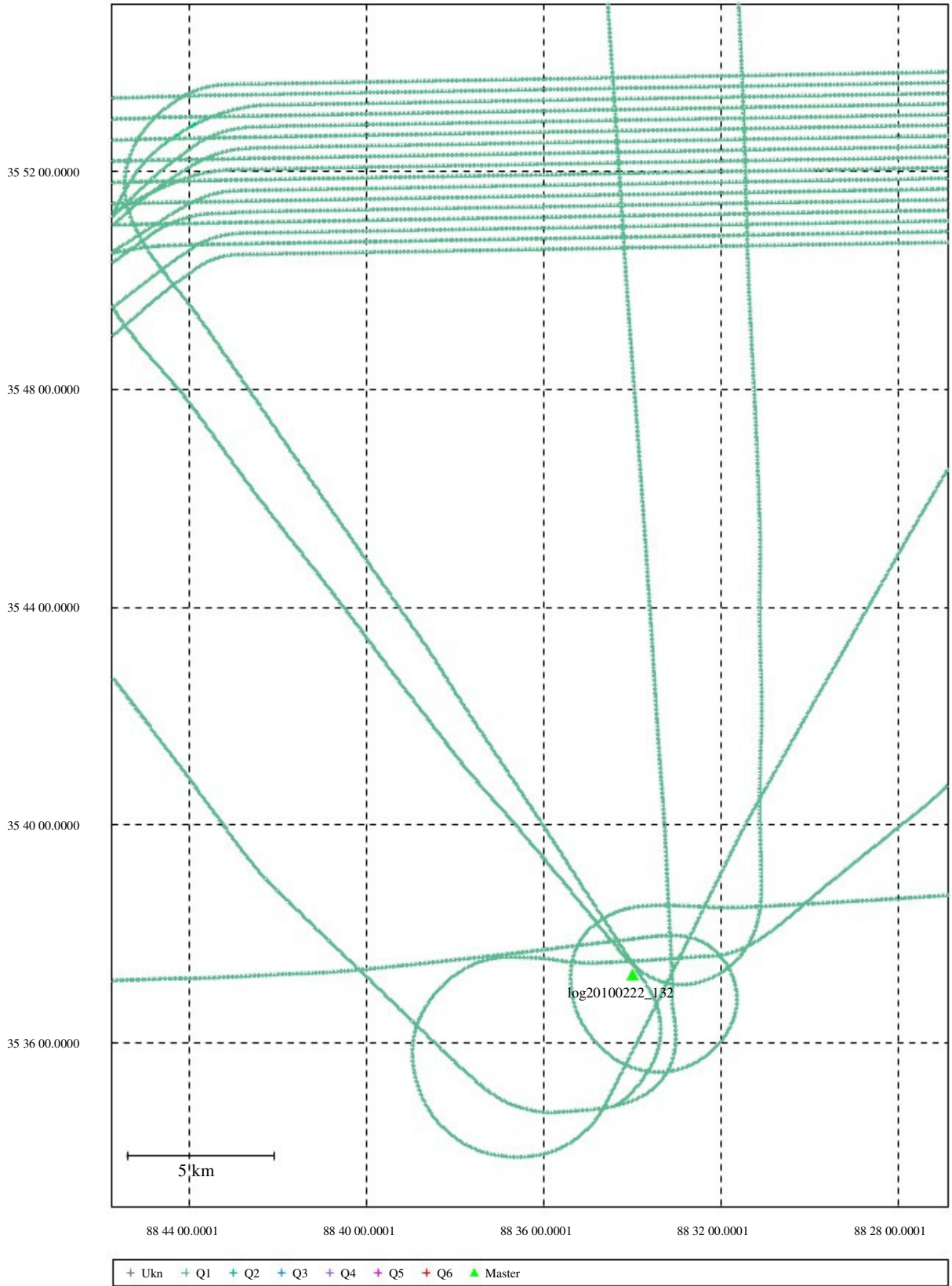
Minimum: 1.134 (km)

Average: 20.953 (km)

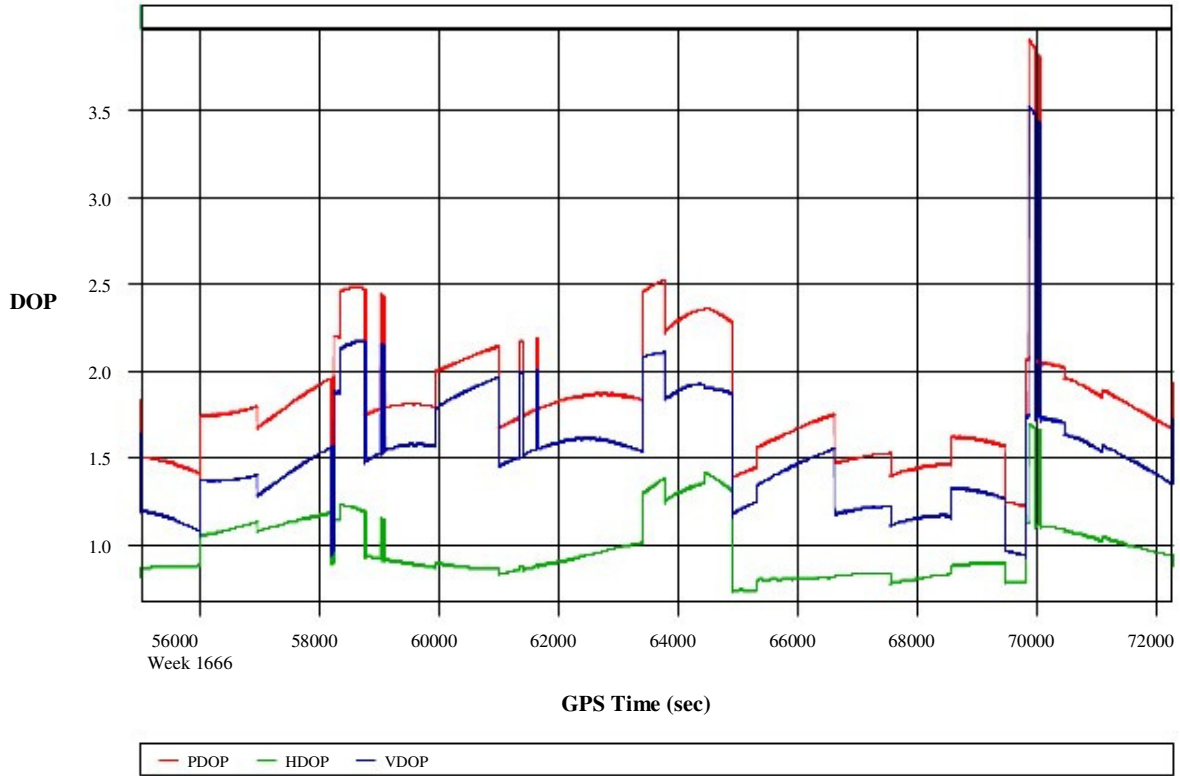
First Epoch: 31.856 (km)

Last Epoch: 1.159 (km)

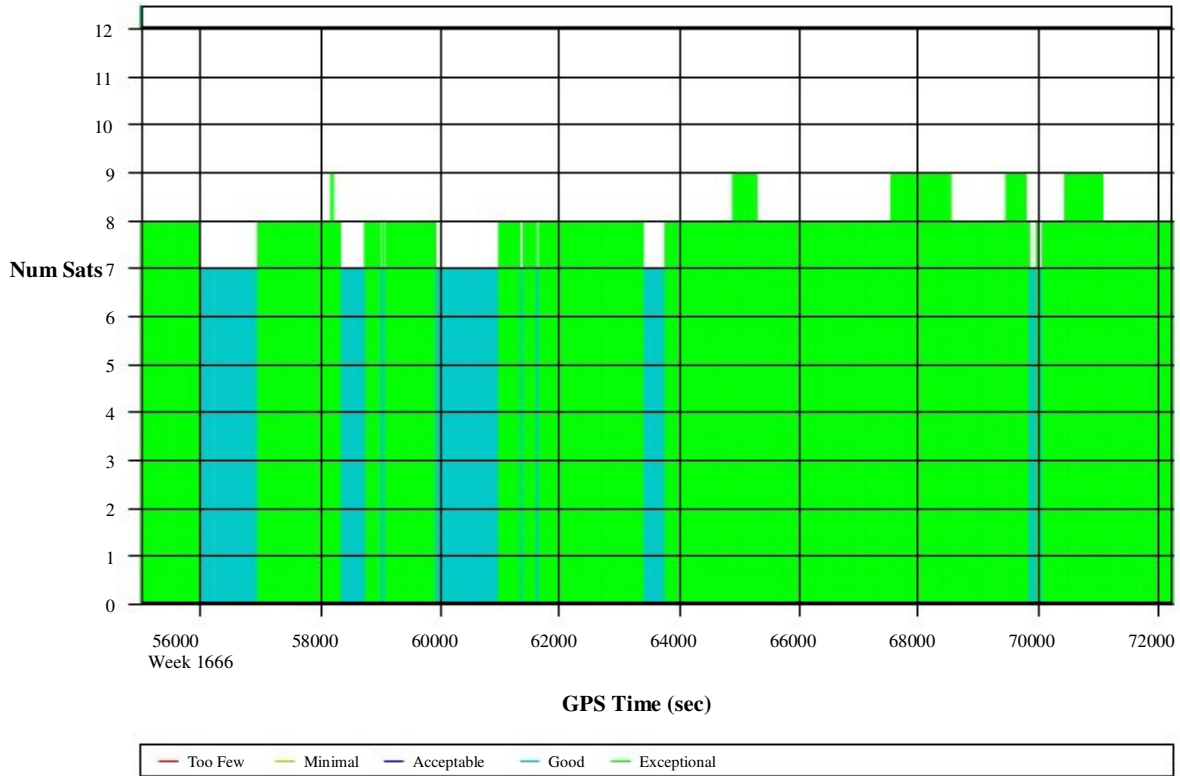
Combined - Map Run (75)



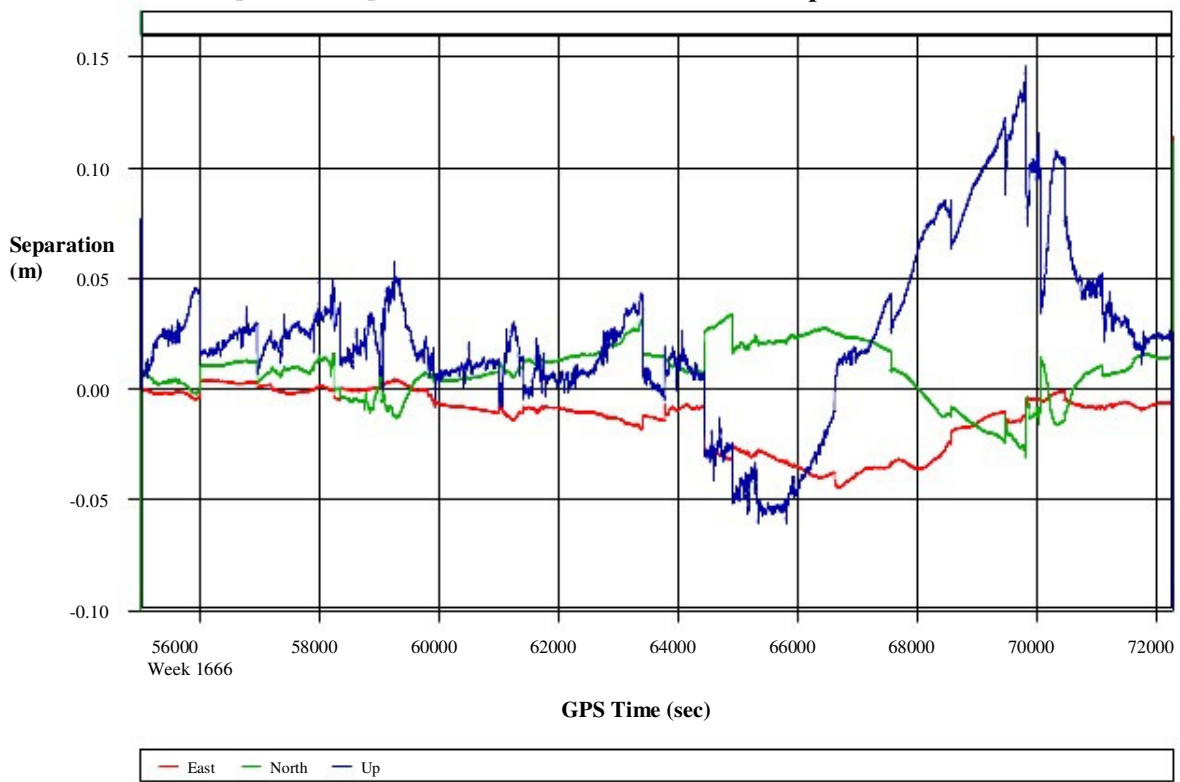
345a [Combined] - PDOP, HDOP, VDOP Plots



345a [Combined] - Number of Satellites Bar Plot



345a [Combined] - Forward/Reverse or Combined Separation Plot



345a.txt
Processing Summary Information

Program: POSGPS
Version: 4.30.3108
Project: F:\Projects\Tn\345a\pos\GPS\345a.gnv

Solution Type: Combined Fwd/Rev

Number of Epochs:

Total in GPB file:	181759
No processed position:	164473
Missing Fwd or Rev:	4
With bad C/A code:	0
With bad L1 Phase:	0

Measurement RMS Values:

L1 Phase:	0.0242 (m)
C/A Code:	1.05 (m)
L1 Doppler:	0.017 (m/s)

Fwd/Rev Separation RMS Values:

East:	0.018 (m)
North:	0.015 (m)
Height:	0.046 (m)

Fwd/Rev Sep. RMS for 25%-75% weighting (17280 occurrences):

East:	0.018 (m)
North:	0.015 (m)
Height:	0.044 (m)

Quality Number Percentages:

Q 1:	100.0 %
Q 2:	0.0 %
Q 3:	0.0 %
Q 4:	0.0 %

Q 5: 0.0 %

Q 6: 0.0 %

Position Standard Deviation Percentages:

0.00 - 0.10 m: 99.2 %

0.10 - 0.30 m: 0.8 %

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: 0.0 %

Baseline Distances:

Maximum: 116.301 (km)

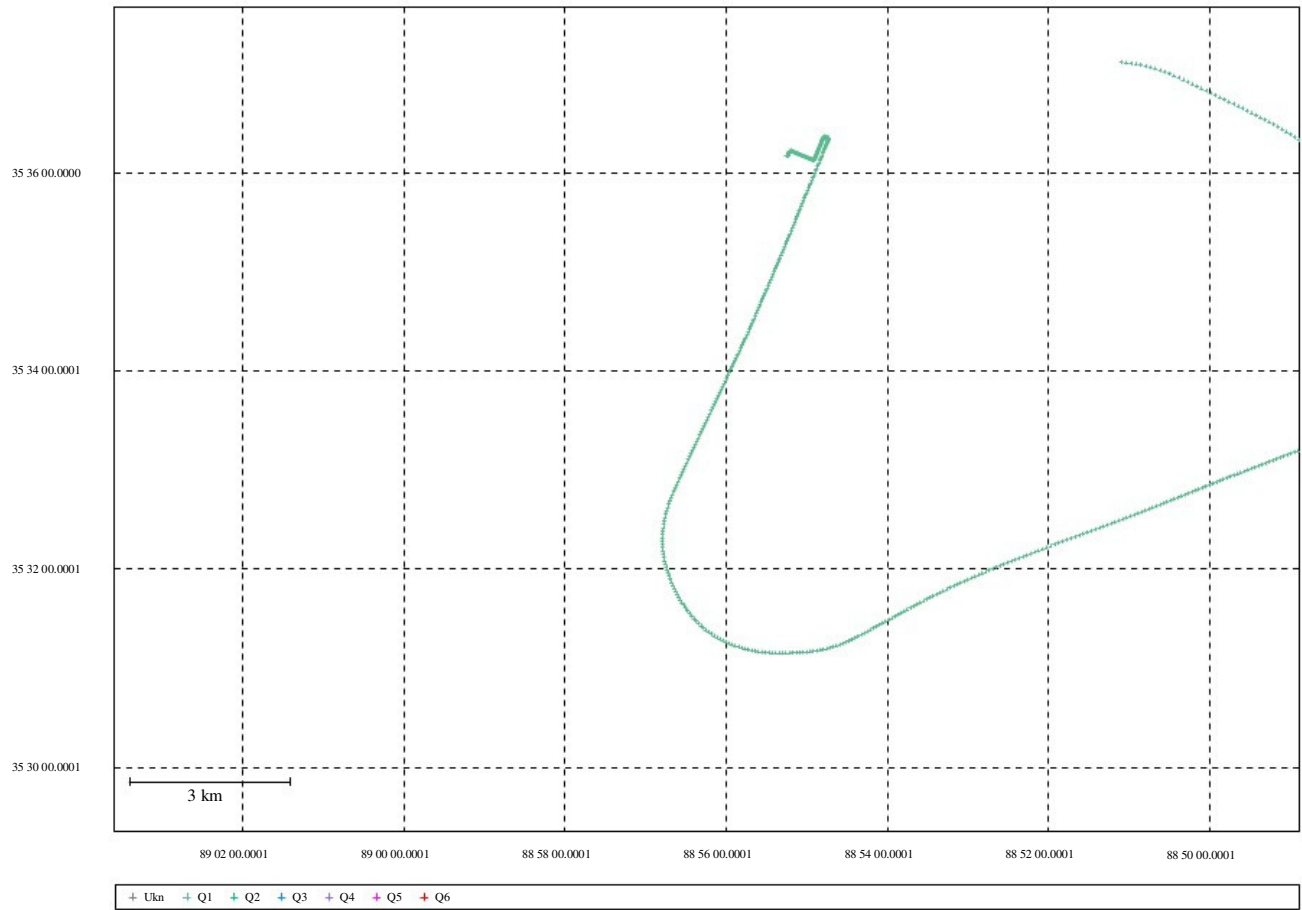
Minimum: 1.074 (km)

Average: 31.720 (km)

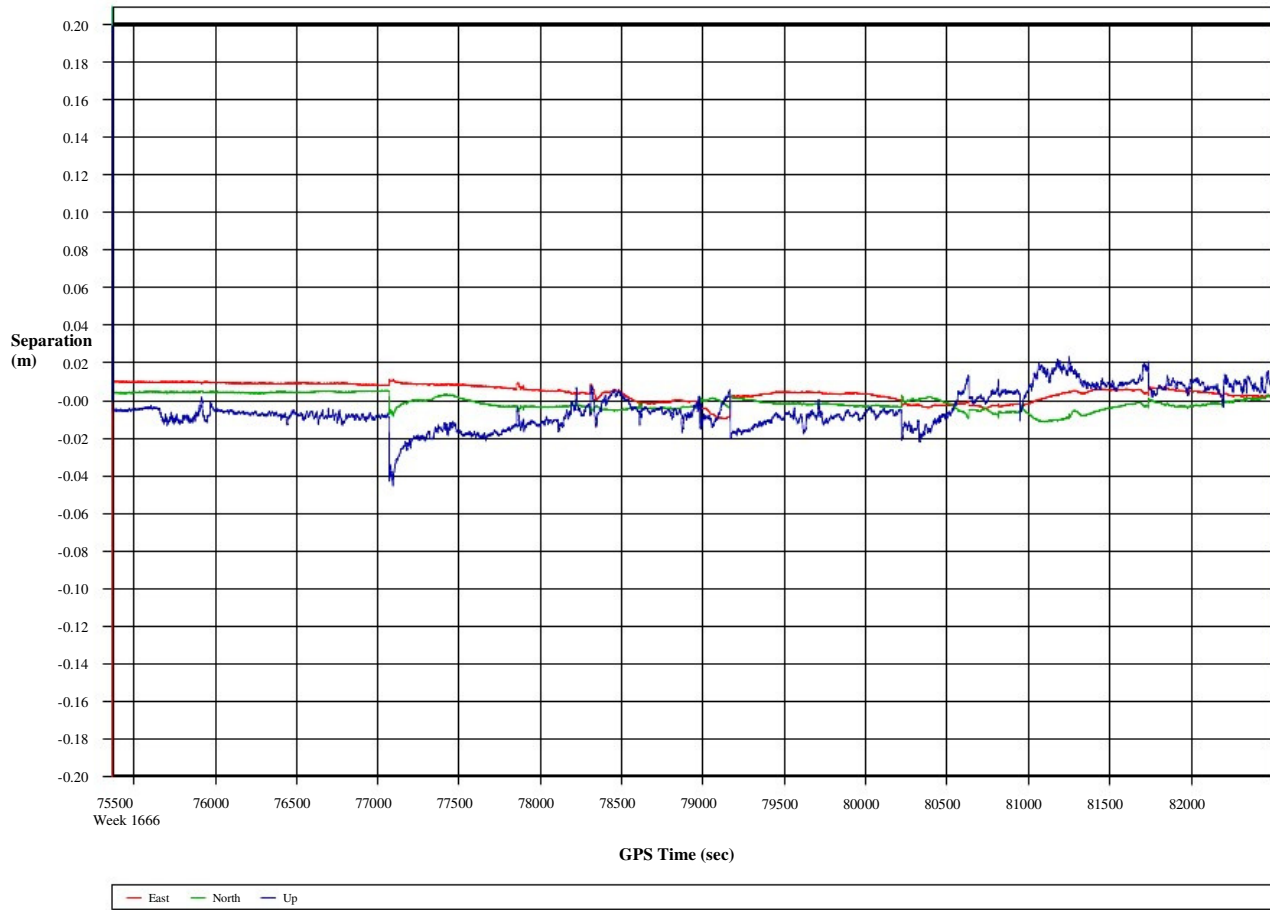
First Epoch: 27.283 (km)

Last Epoch: 4.558 (km)

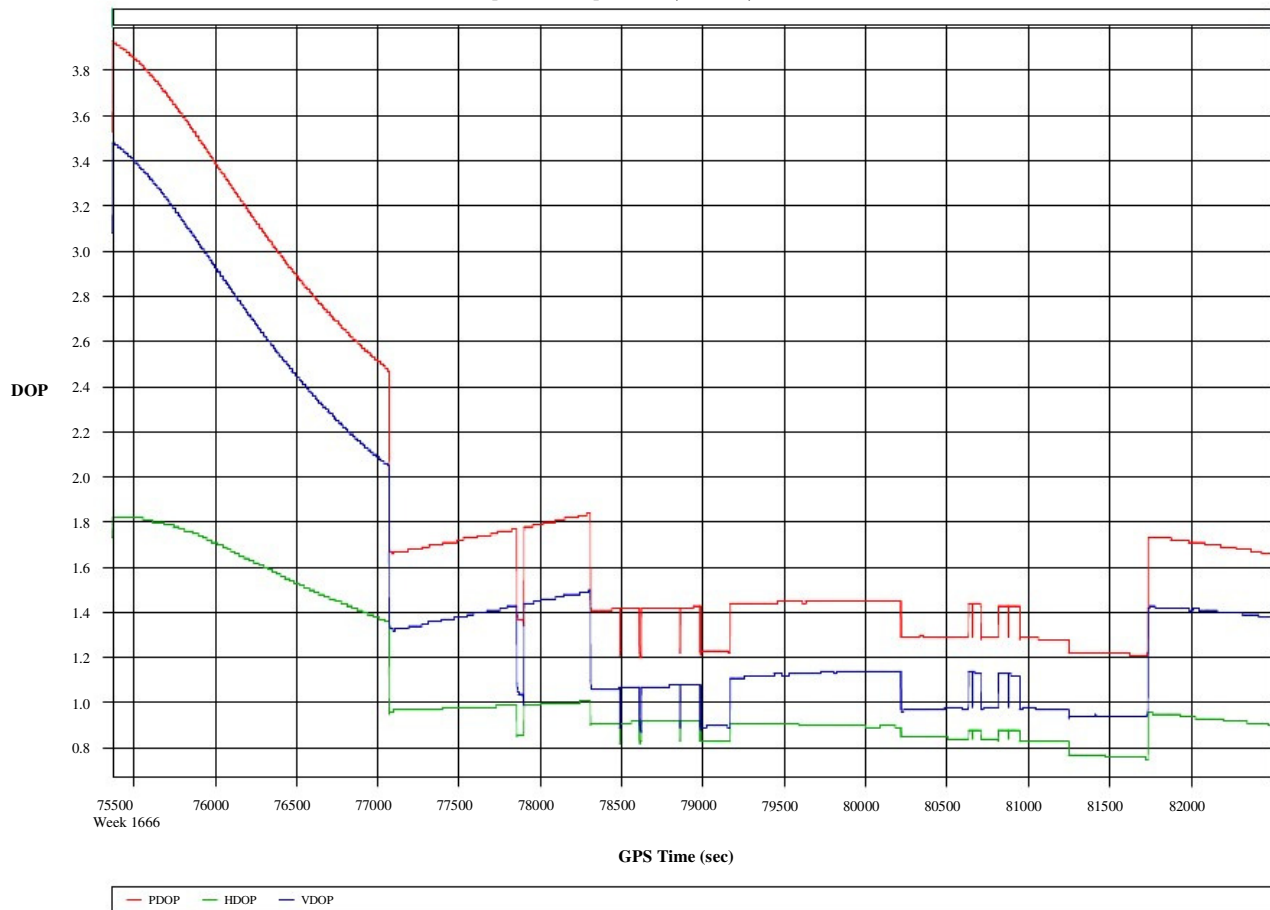
Combined - Map Run (1)



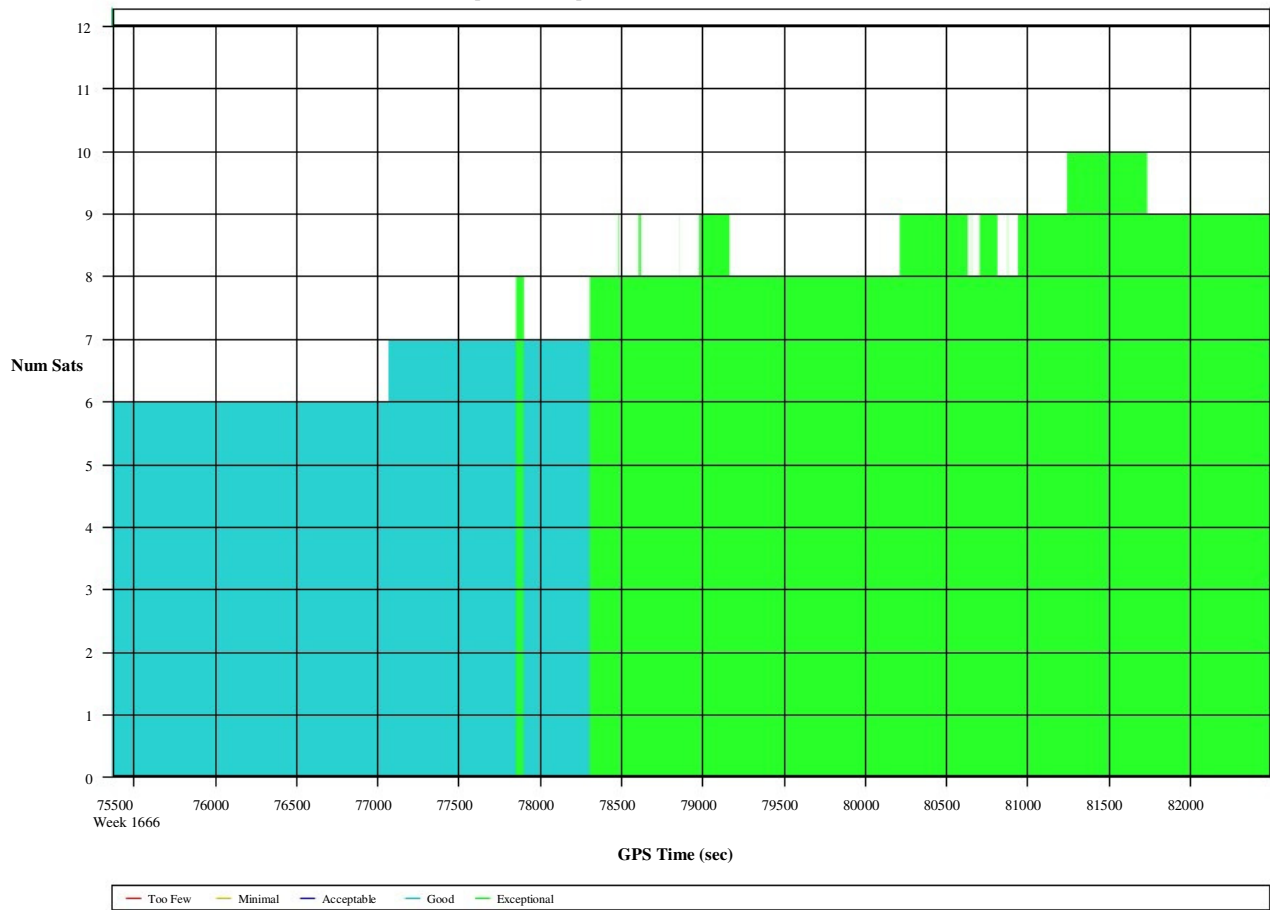
34511b [Combined] - Forward/Reverse or Combined Separation Plot



34511b [Combined] - PDOP, HDOP, VDOP Plots



34511b [Combined] - Number of Satellites Bar Plot



34511b_summary.txt
Processing Summary Information

Program: POSGPS
Version: 4.30.3108
Project: X:\projects\tn\2012\34511b\pos\GPS\34511b.gnv

Solution Type: Combined Fwd/Rev

Number of Epochs:

Total in GPB file:	71445
No processed position:	64313
Missing Fwd or Rev:	3
With bad C/A code:	0
With bad L1 Phase:	0

Measurement RMS Values:

L1 Phase:	0.0197 (m)
C/A Code:	1.04 (m)
L1 Doppler:	0.018 (m/s)

Fwd/Rev Separation RMS Values:

East:	0.008 (m)
North:	0.008 (m)
Height:	0.020 (m)

Fwd/Rev Sep. RMS for 25%-75% weighting (7127 occurrences):

East:	0.006 (m)
North:	0.004 (m)
Height:	0.011 (m)

Quality Number Percentages:

Q 1:	100.0 %
Q 2:	0.0 %
Q 3:	0.0 %
Q 4:	0.0 %

Q 5: 0.0 %

Q 6: 0.0 %

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:

DOP over Tol: 0.1 %

Baseline Distances:

Maximum: 45.337 (km)

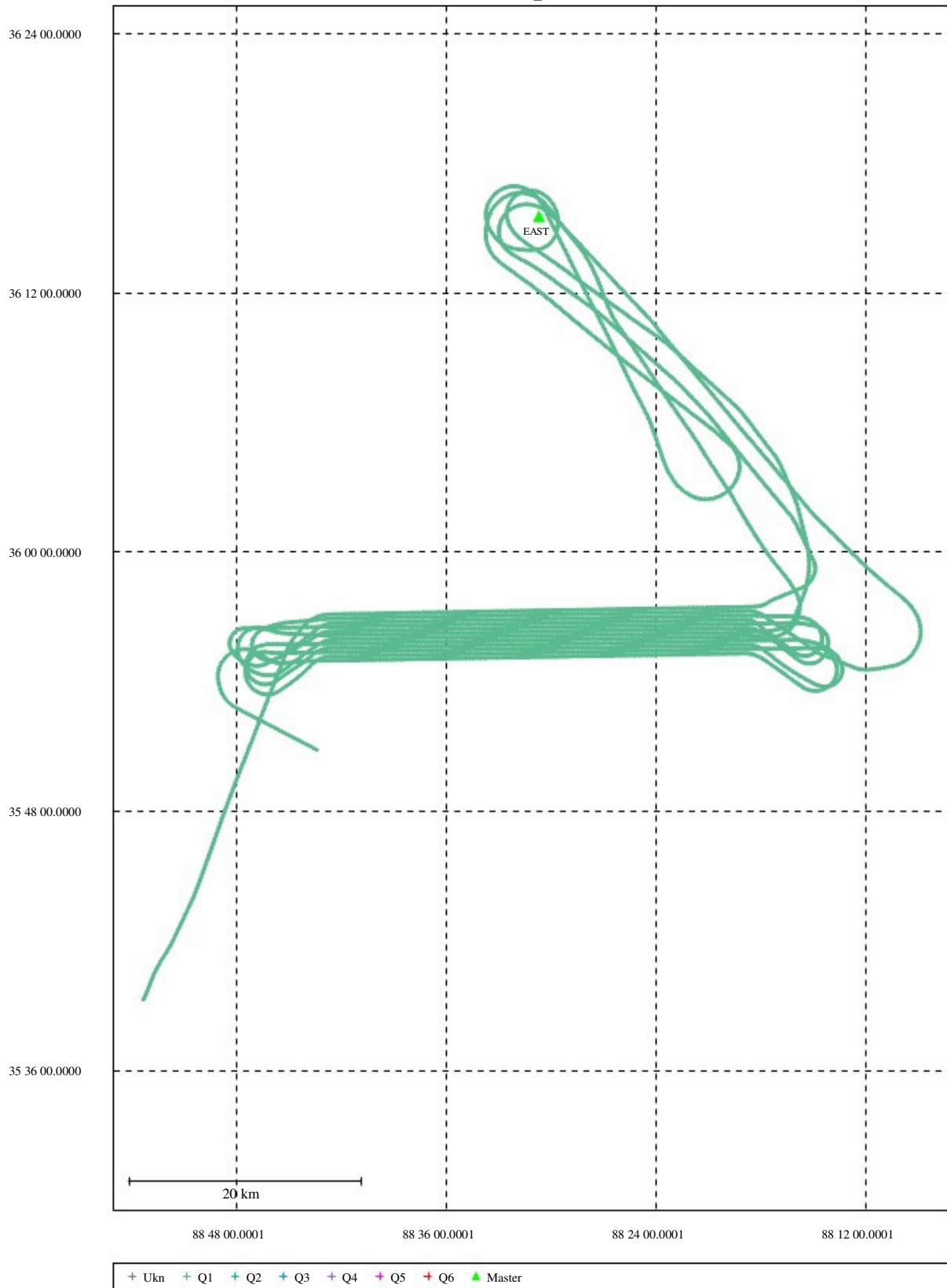
Minimum: 0.834 (km)

Average: 28.171 (km)

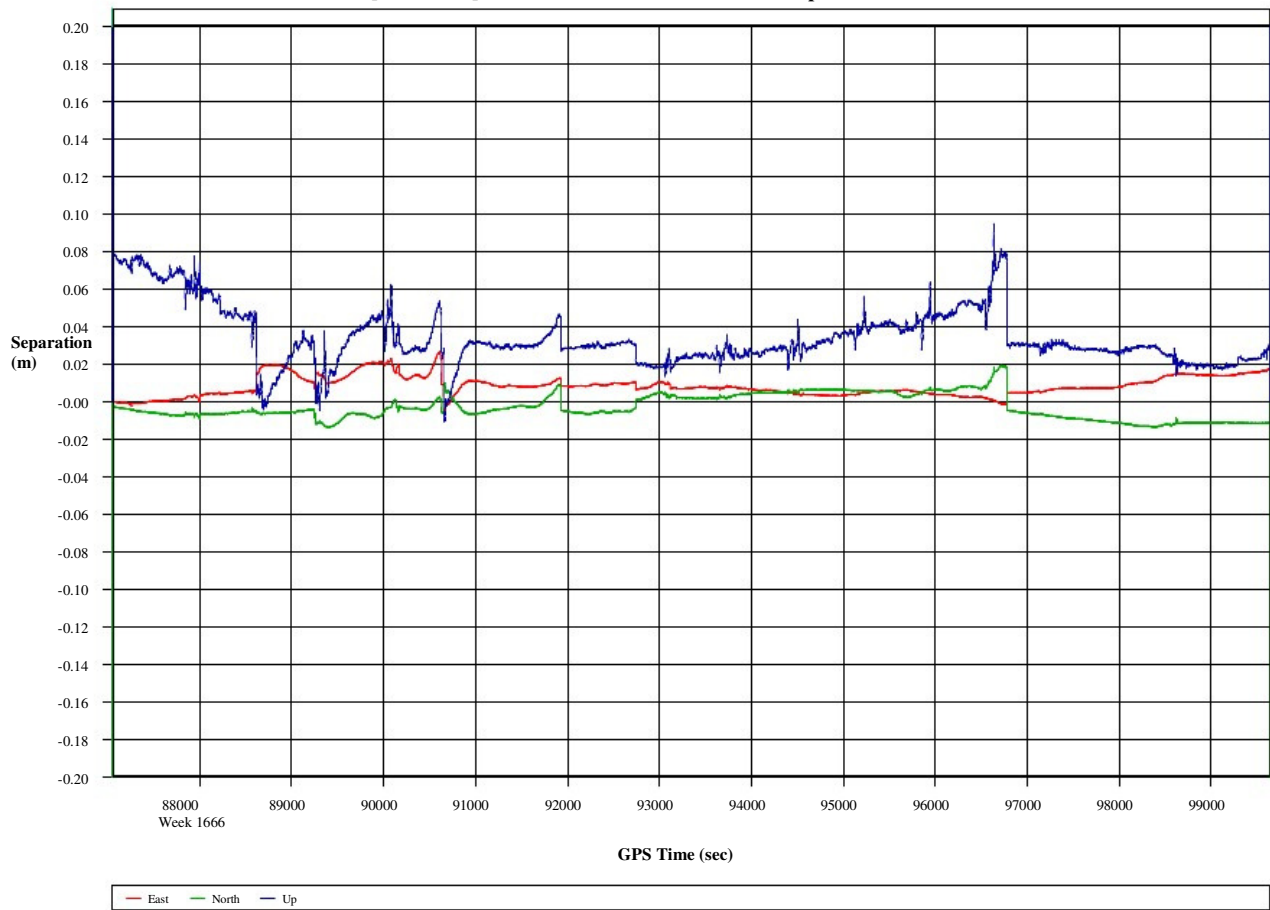
First Epoch: 32.175 (km)

Last Epoch: 25.842 (km)

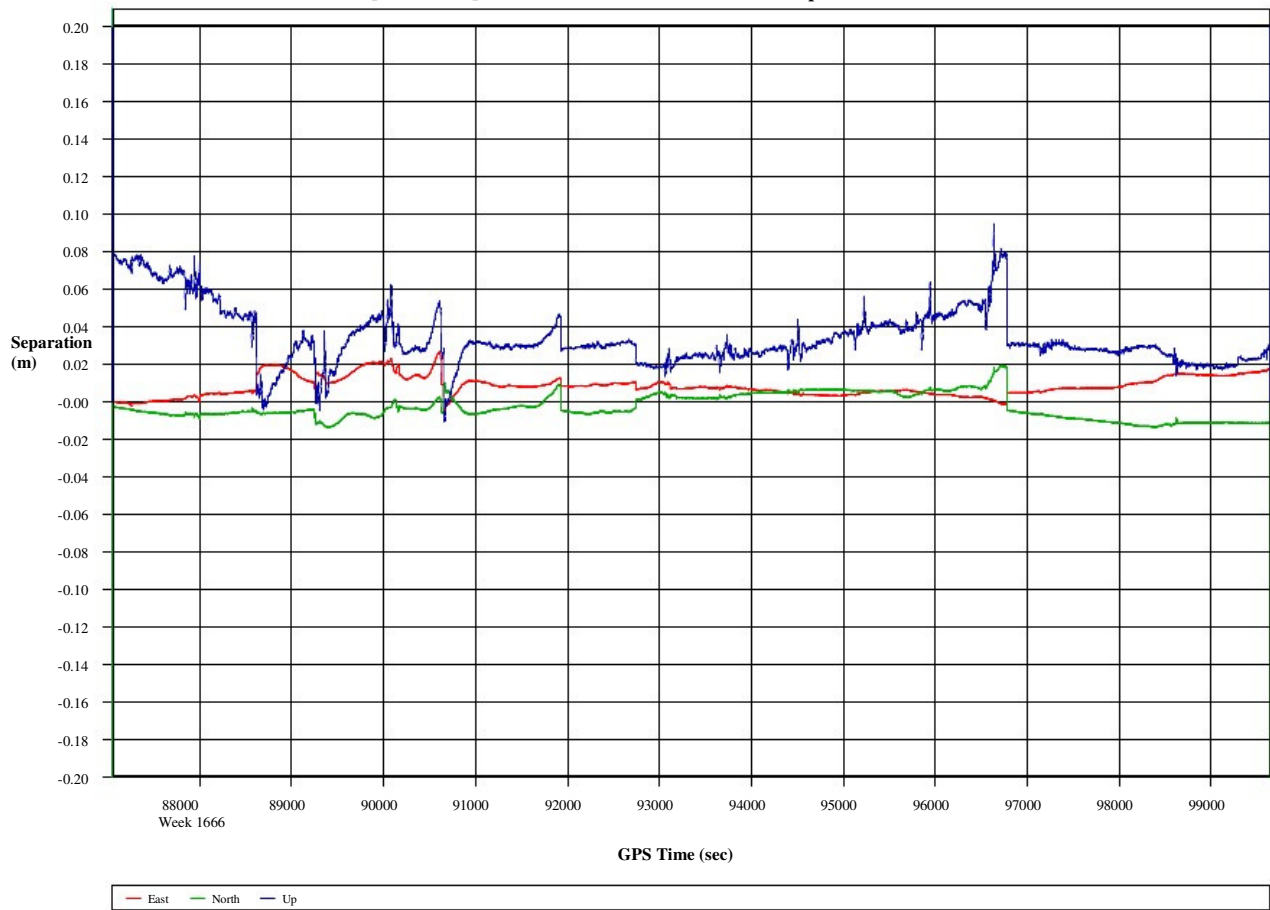
Combined - Map Run (21)



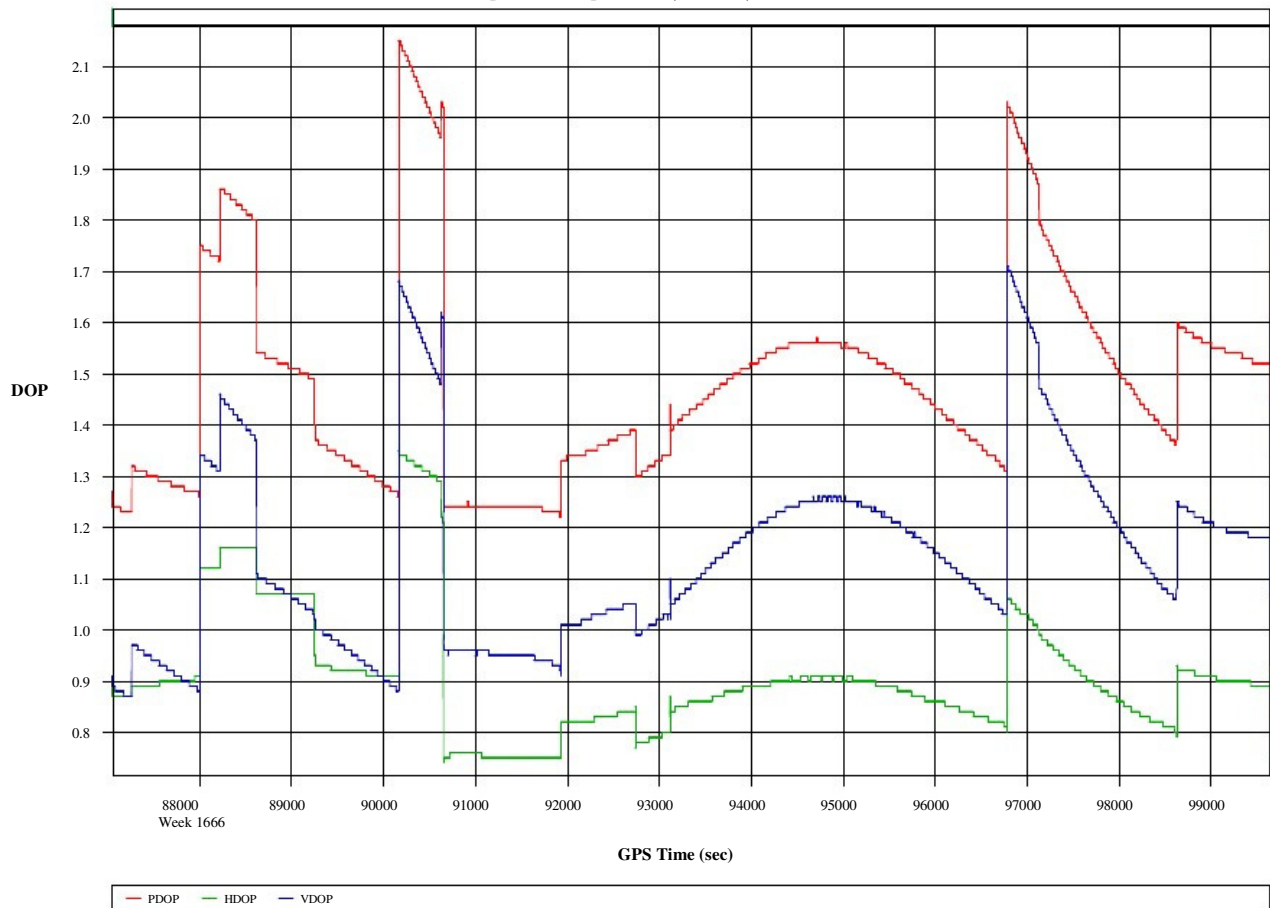
34511c [Combined] - Forward/Reverse or Combined Separation Plot



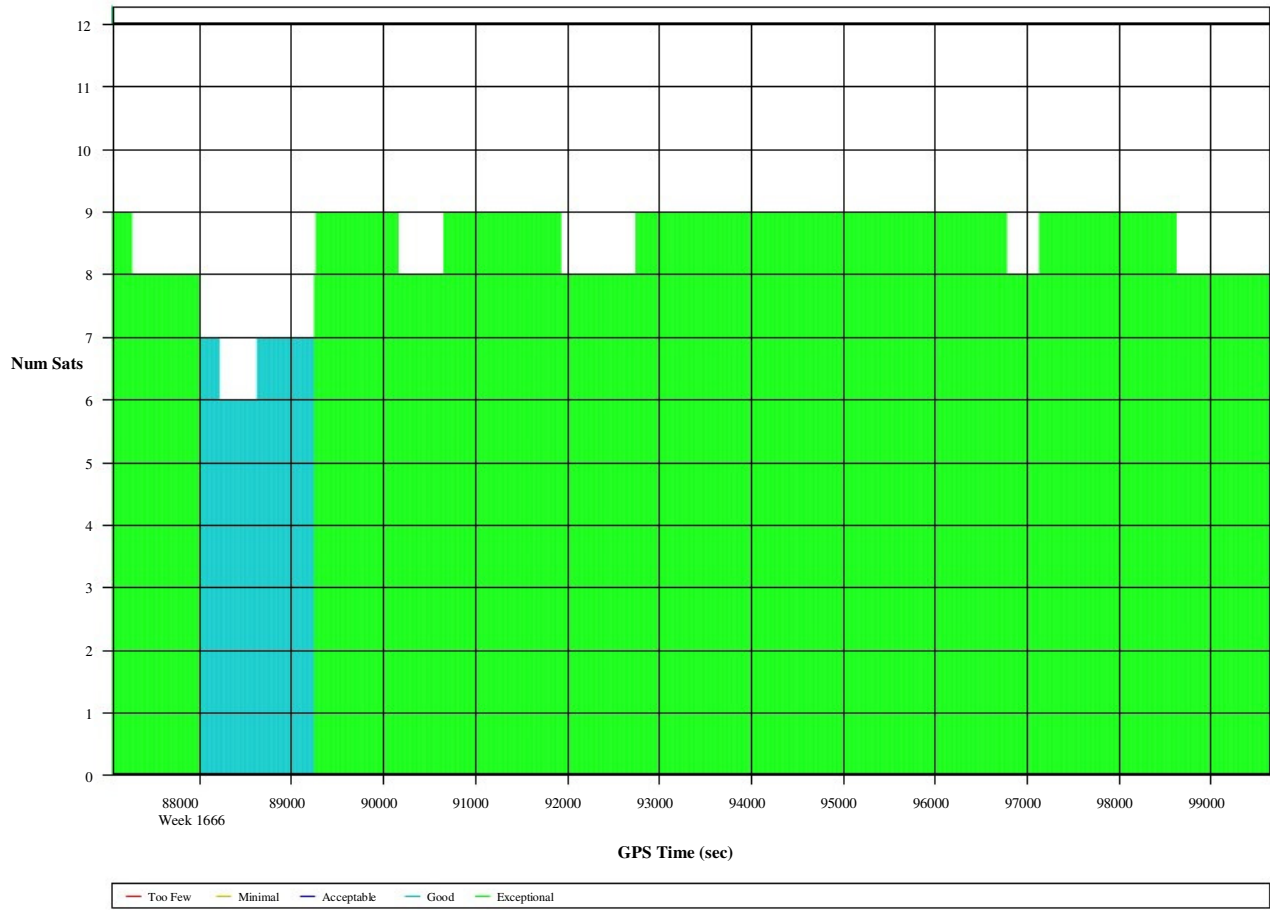
34511c [Combined] - Forward/Reverse or Combined Separation Plot



34511c [Combined] - PDOP, HDOP, VDOP Plots



34511c [Combined] - Number of Satellites Bar Plot



34511c_summary.txt
Processing Summary Information

Program: POSGPS
Version: 4.30.3108
Project: X:\projects\tn\2012\34511c\pos\GPS\34511c.gnv

Solution Type: Combined Fwd/Rev

Number of Epochs:

Total in GPB file:	144059
No processed position:	131458
Missing Fwd or Rev:	4
With bad C/A code:	0
With bad L1 Phase:	0

Measurement RMS Values:

L1 Phase:	0.0201 (m)
C/A Code:	1.01 (m)
L1 Doppler:	0.018 (m/s)

Fwd/Rev Separation RMS Values:

East:	0.011 (m)
North:	0.008 (m)
Height:	0.038 (m)

Fwd/Rev Sep. RMS for 25%-75% weighting (12595 occurrences):

East:	0.010 (m)
North:	0.007 (m)
Height:	0.037 (m)

Quality Number Percentages:

Q 1:	100.0 %
Q 2:	0.0 %
Q 3:	0.0 %
Q 4:	0.0 %

Q 5: 0.0 %

Q 6: 0.0 %

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:

DOP over Tol: 0.0 %

Baseline Distances:

Maximum: 75.290 (km)

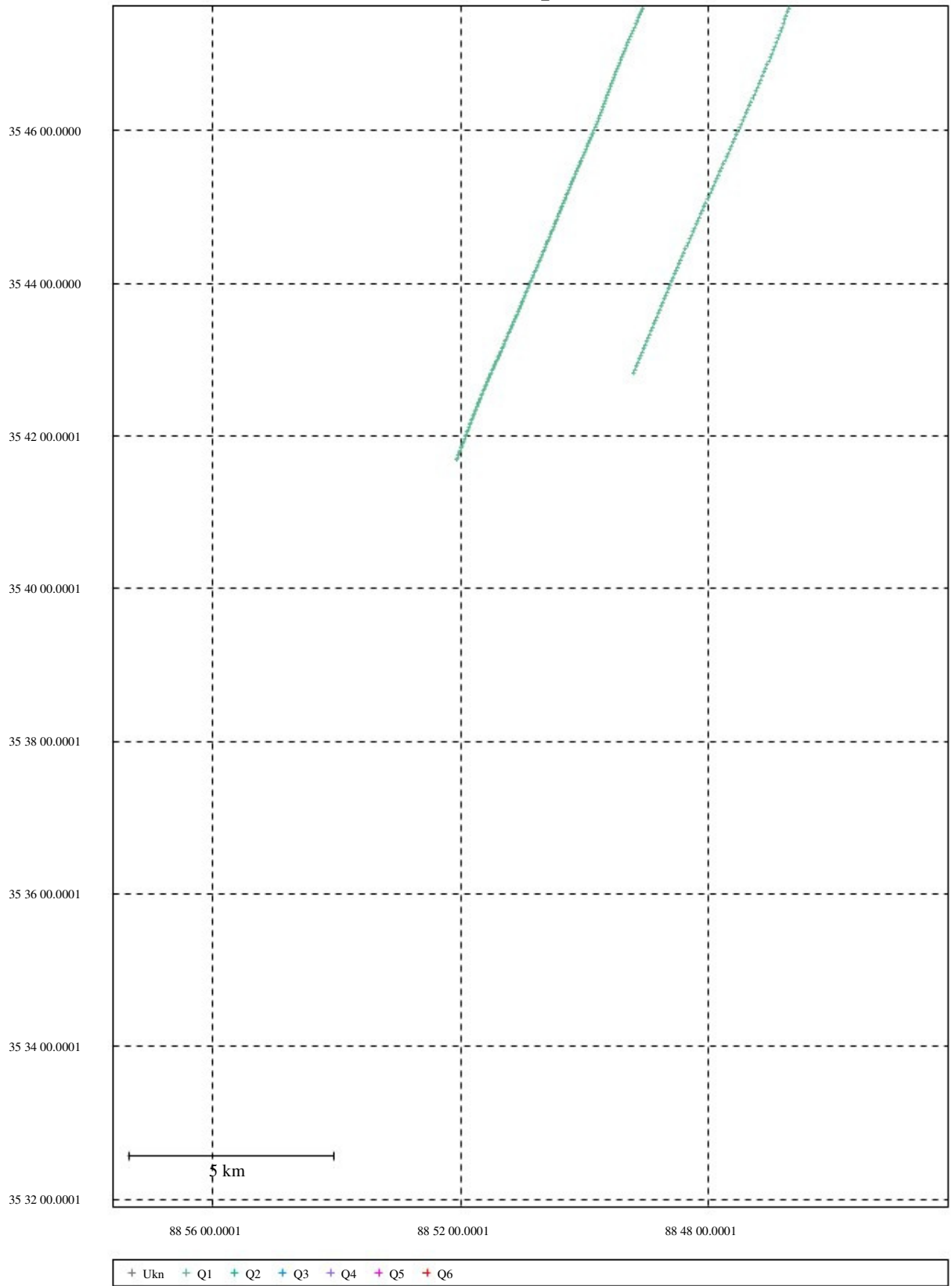
Minimum: 1.292 (km)

Average: 33.877 (km)

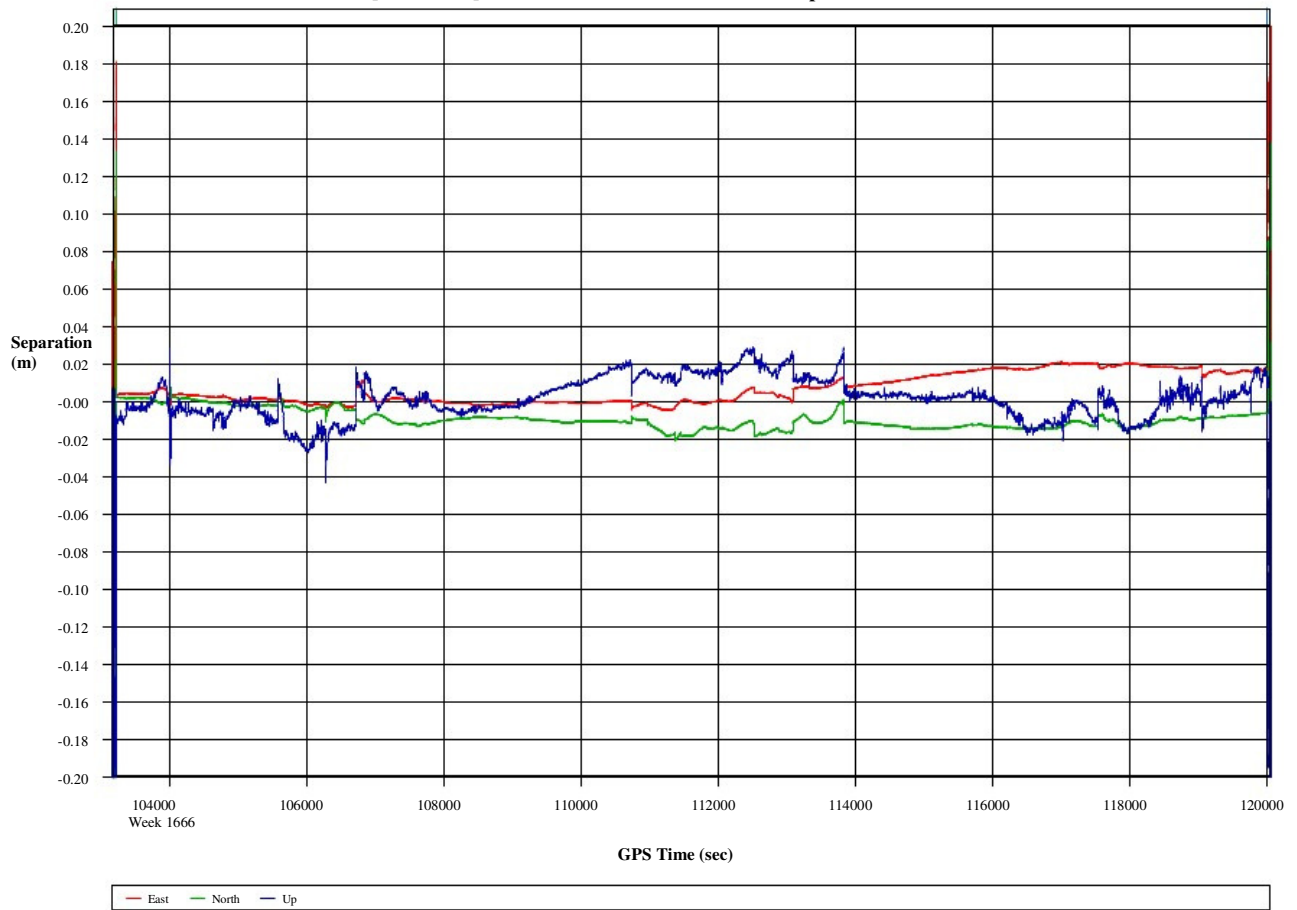
First Epoch: 49.536 (km)

Last Epoch: 75.290 (km)

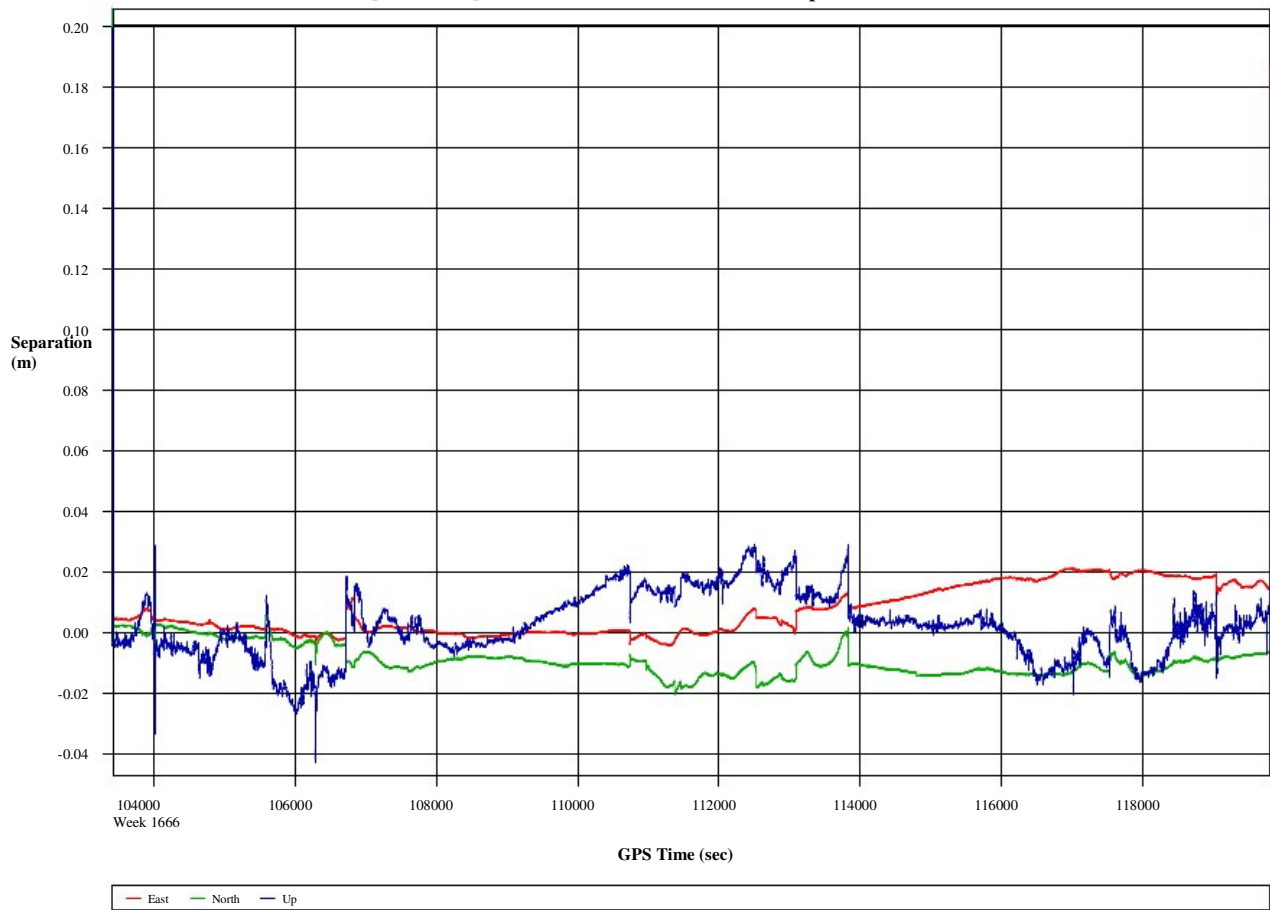
Combined - Map Run (2)



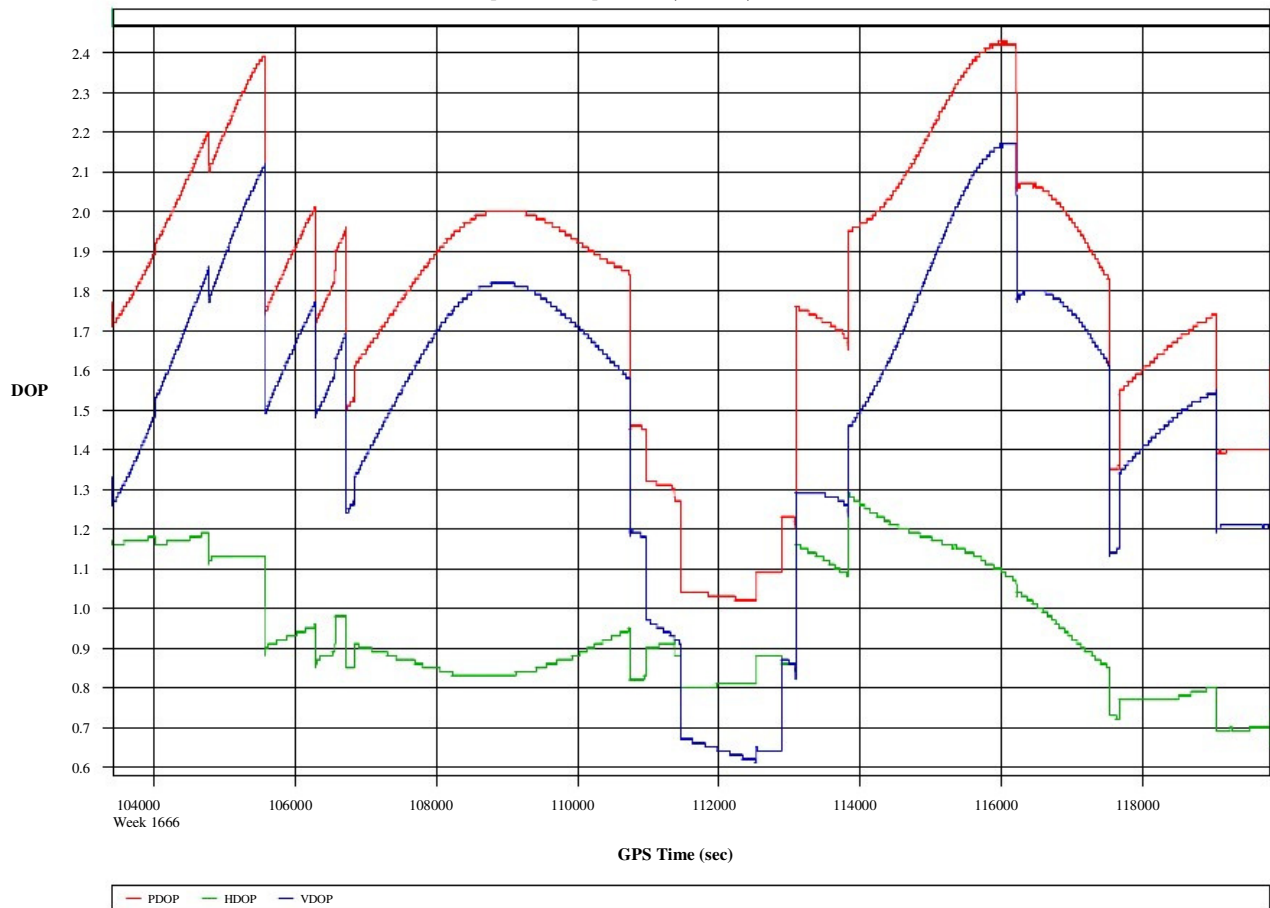
34611a [Combined] - Forward/Reverse or Combined Separation Plot



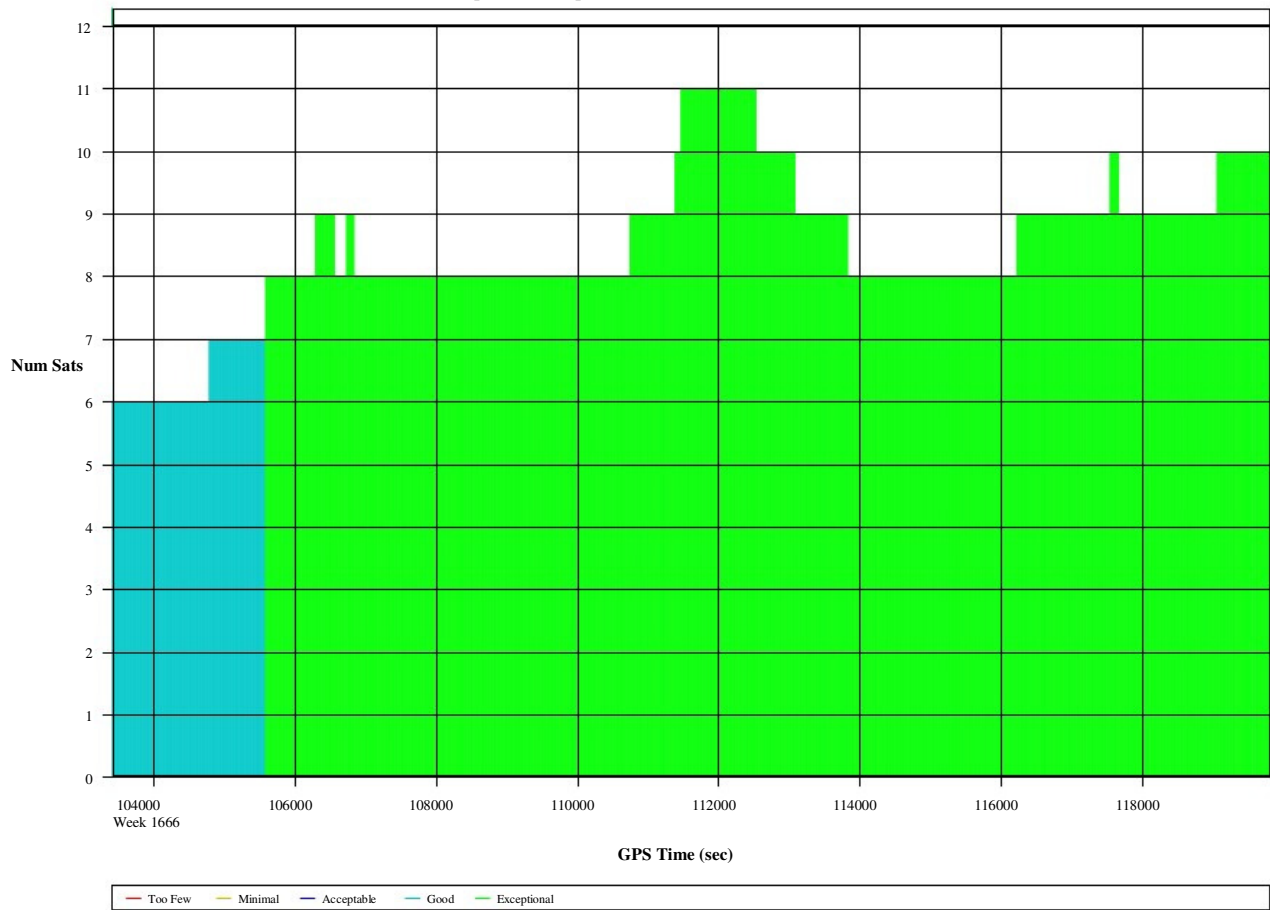
34611a [Combined] - Forward/Reverse or Combined Separation Plot



34611a [Combined] - PDOP, HDOP, VDOP Plots



34611a [Combined] - Number of Satellites Bar Plot



34611a_summary.txt
Processing Summary Information

Program: POSGPS
Version: 4.30.3108
Project: X:\projects\tn\2012\34611a\pos\GPS\34611a.gnv

Solution Type: Combined Fwd/Rev

Number of Epochs:

Total in GPB file:	176726
No processed position:	160322
Missing Fwd or Rev:	4
With bad C/A code:	0
With bad L1 Phase:	0

Measurement RMS Values:

L1 Phase:	0.0179 (m)
C/A Code:	0.96 (m)
L1 Doppler:	0.017 (m/s)

Fwd/Rev Separation RMS Values:

East:	0.011 (m)
North:	0.011 (m)
Height:	0.011 (m)

Fwd/Rev Sep. RMS for 25%-75% weighting (16398 occurrences):

East:	0.010 (m)
North:	0.011 (m)
Height:	0.011 (m)

Quality Number Percentages:

Q 1:	100.0 %
Q 2:	0.0 %
Q 3:	0.0 %
Q 4:	0.0 %

Q 5: 0.0 %

Q 6: 0.0 %

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:

DOP over Tol: 0.0 %

Baseline Distances:

Maximum: 70.371 (km)

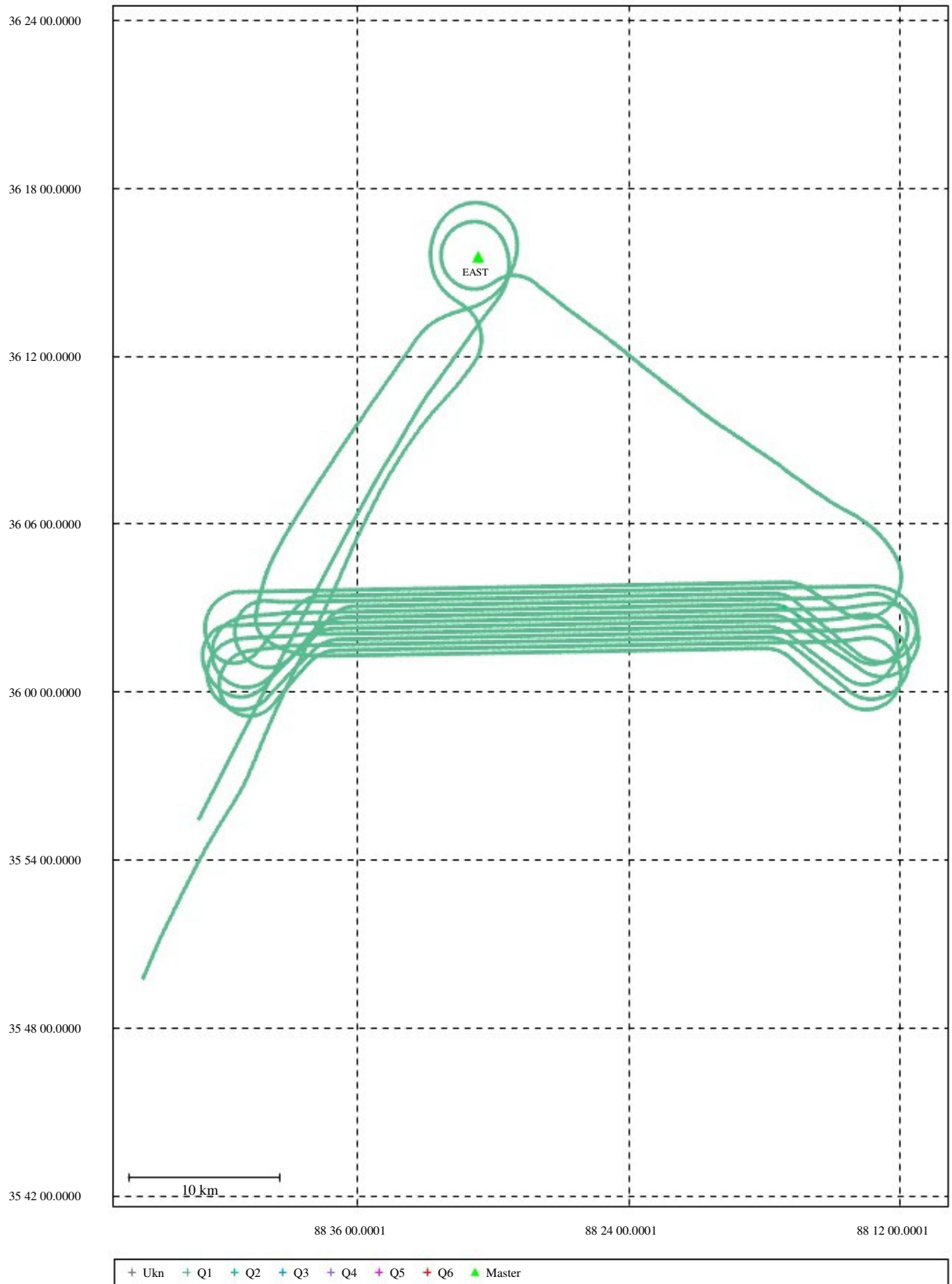
Minimum: 2.156 (km)

Average: 32.585 (km)

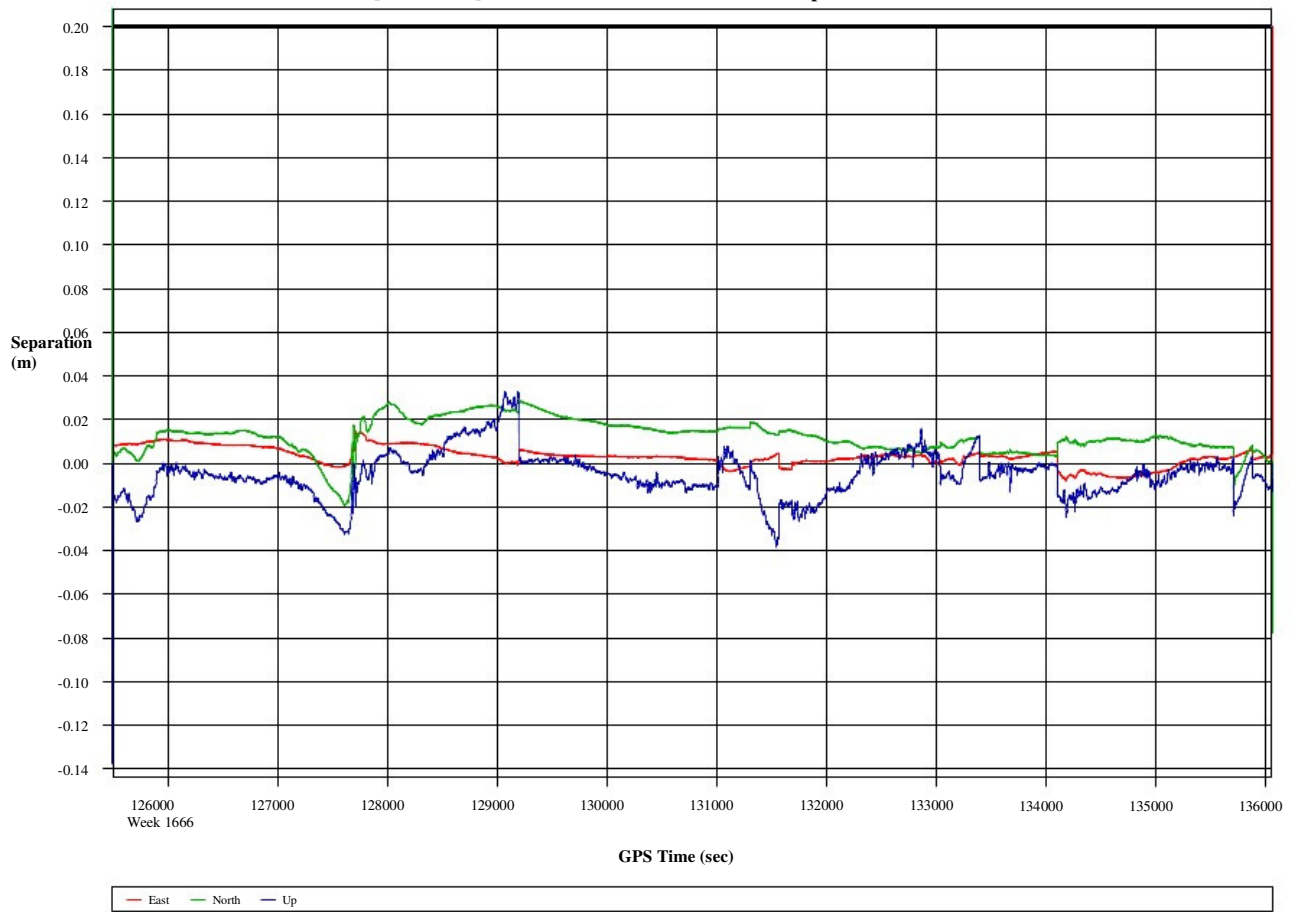
First Epoch: 66.608 (km)

Last Epoch: 70.371 (km)

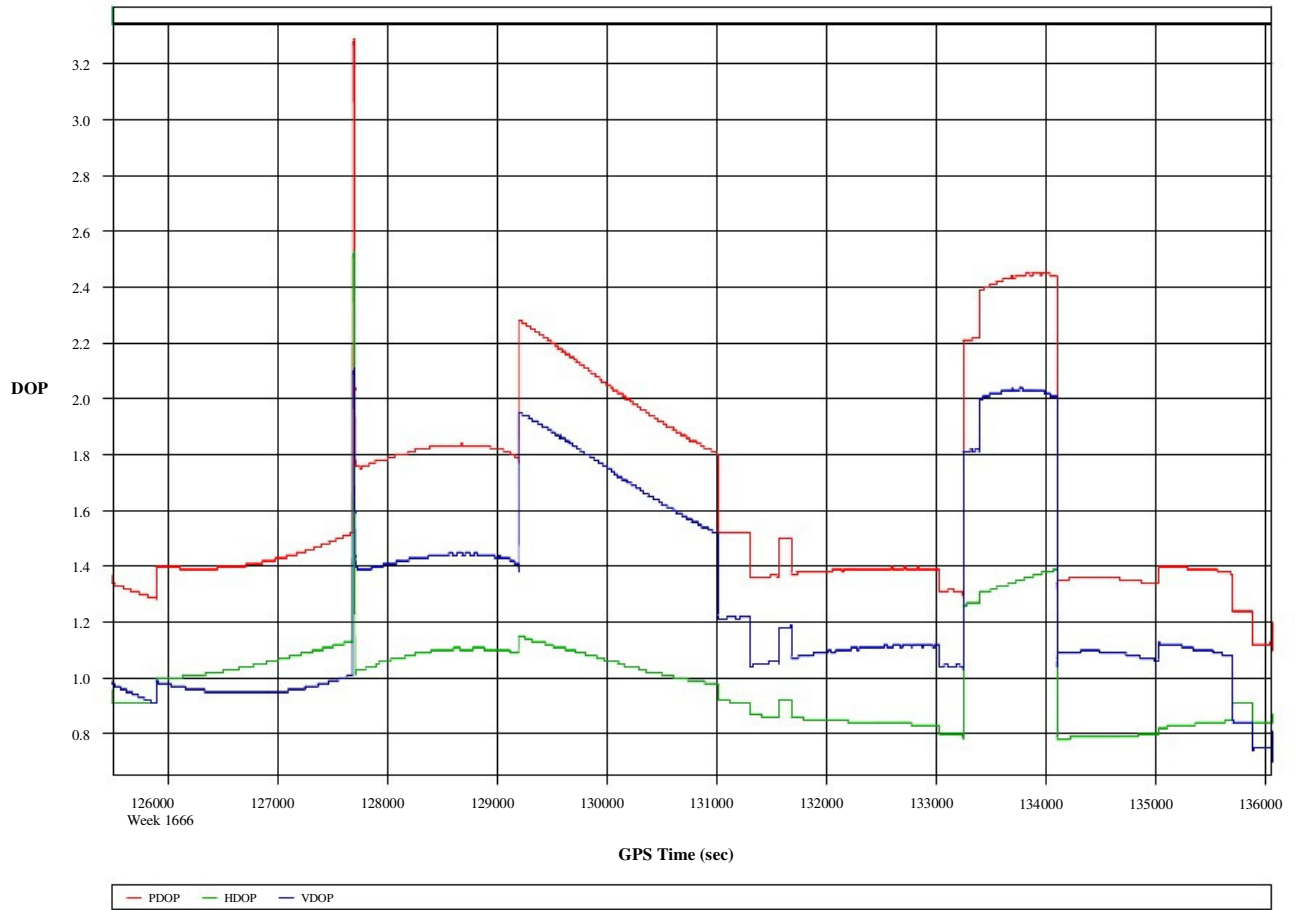
Combined - Map Run (4)



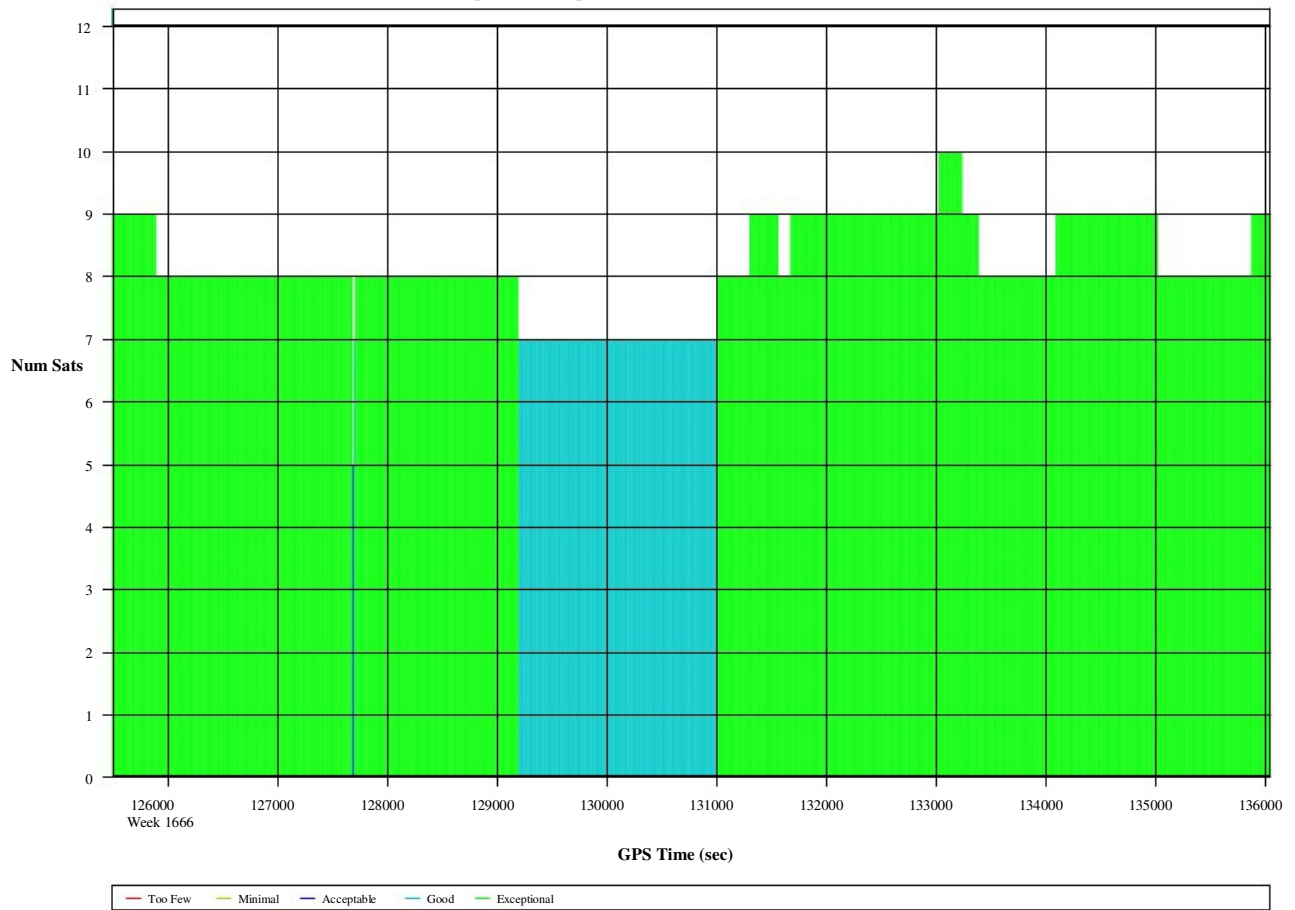
34611b [Combined] - Forward/Reverse or Combined Separation Plot



34611b [Combined] - PDOP, HDOP, VDOP Plots



34611b [Combined] - Number of Satellites Bar Plot



34611b_summary.txt
Processing Summary Information

Program: POSGPS
Version: 4.30.3108
Project: X:\projects\tn\2012\34611b\pos\GPS\34611b.gnv

Solution Type: Combined Fwd/Rev

Number of Epochs:

Total in GPB file:	120907
No processed position:	110349
Missing Fwd or Rev:	5
With bad C/A code:	0
With bad L1 Phase:	0

Measurement RMS Values:

L1 Phase:	0.0183 (m)
C/A Code:	0.90 (m)
L1 Doppler:	0.017 (m/s)

Fwd/Rev Separation RMS Values:

East:	0.007 (m)
North:	0.015 (m)
Height:	0.012 (m)

Fwd/Rev Sep. RMS for 25%-75% weighting (10551 occurrences):

East:	0.005 (m)
North:	0.015 (m)
Height:	0.011 (m)

Quality Number Percentages:

Q 1:	99.9 %
Q 2:	0.1 %
Q 3:	0.0 %
Q 4:	0.0 %

Q 5: 0.0 %

Q 6: 0.0 %

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:

DOP over Tol: 0.0 %

Baseline Distances:

Maximum: 52.685 (km)

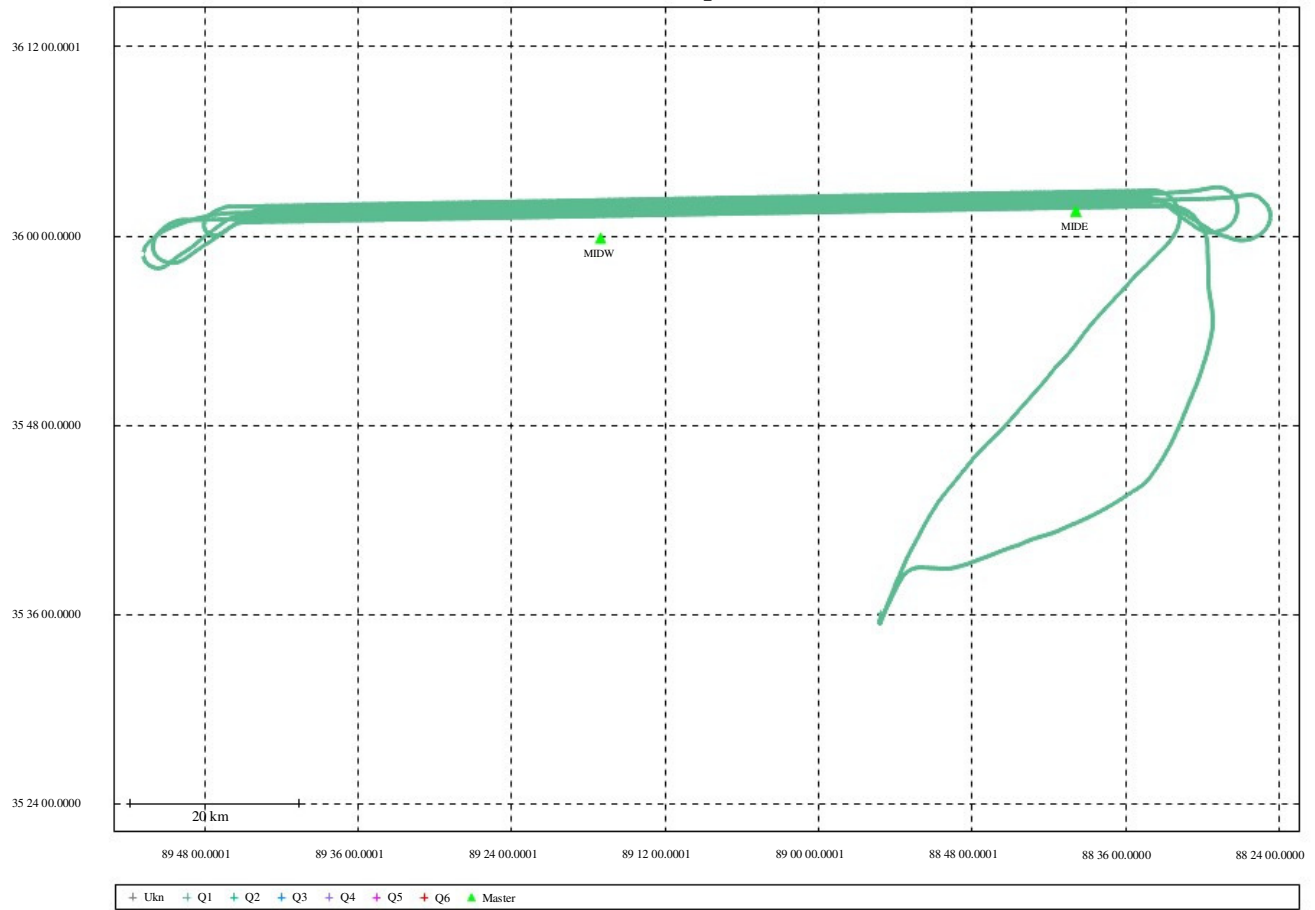
Minimum: 2.164 (km)

Average: 26.375 (km)

First Epoch: 52.685 (km)

Last Epoch: 41.494 (km)

Combined - Map Run (31)



35911b_summary.txt
Processing Summary Information

Program: POSGPS
Version: 4.30.3108
Project: X:\projects\ct\35911b\pos\GPS\35911b.gnv

Solution Type: Combined Fwd/Rev

Number of Epochs:

Total in GPB file:	112217
No processed position:	101070
Missing Fwd or Rev:	3
With bad C/A code:	0
With bad L1 Phase:	0

Measurement RMS Values:

L1 Phase:	0.0156 (m)
C/A Code:	0.71 (m)
L1 Doppler:	0.014 (m/s)

Fwd/Rev Separation RMS Values:

East:	0.025 (m)
North:	0.033 (m)
Height:	0.036 (m)

Fwd/Rev Sep. RMS for 25%-75% weighting (11142 occurrences):

East:	0.022 (m)
North:	0.033 (m)
Height:	0.035 (m)

Quality Number Percentages:

Q 1:	100.0 %
Q 2:	0.0 %
Q 3:	0.0 %
Q 4:	0.0 %

Q 5: 0.0 %

Q 6: 0.0 %

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:

DOP over Tol: 0.0 %

Baseline Distances:

Maximum: 75.937 (km)

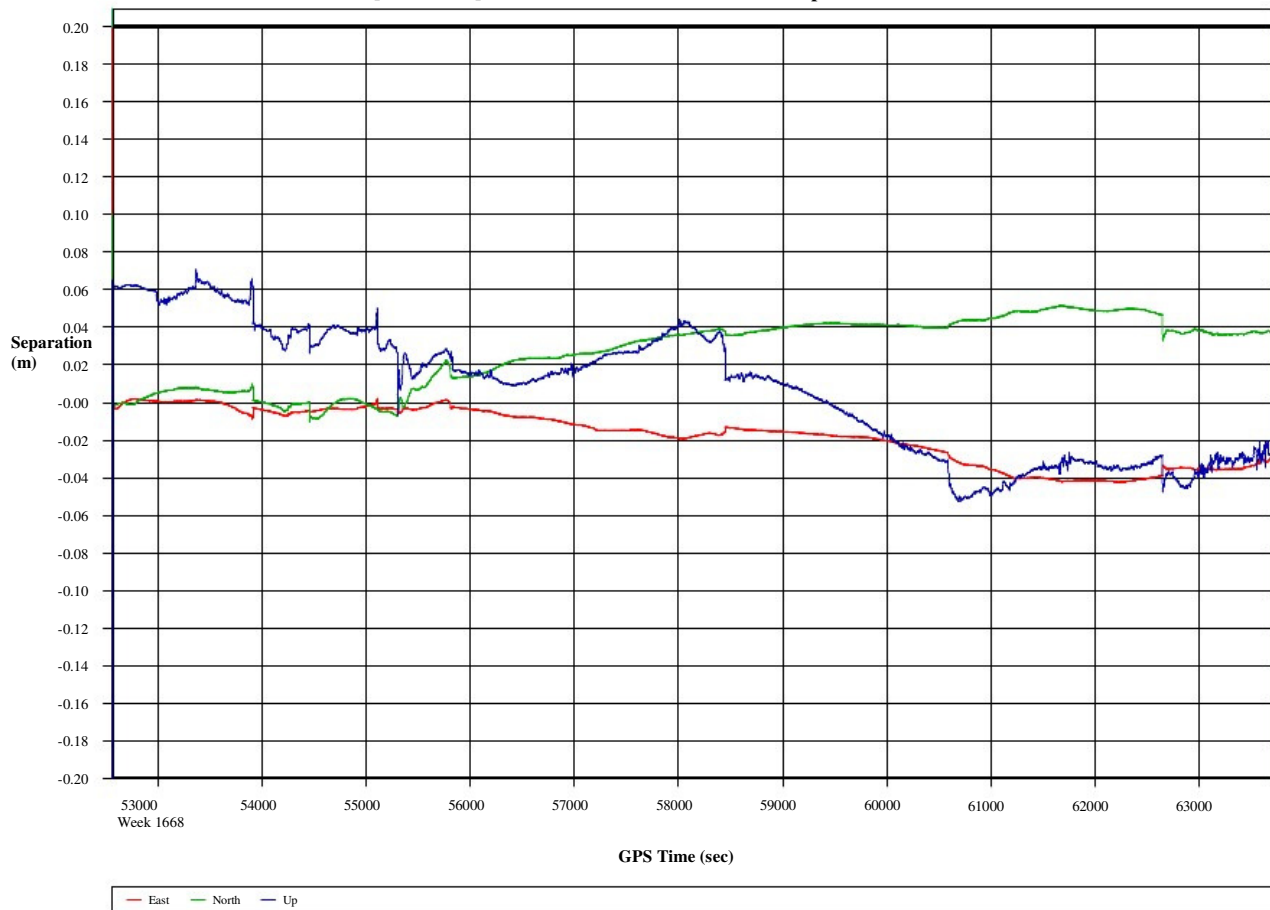
Minimum: 1.855 (km)

Average: 33.244 (km)

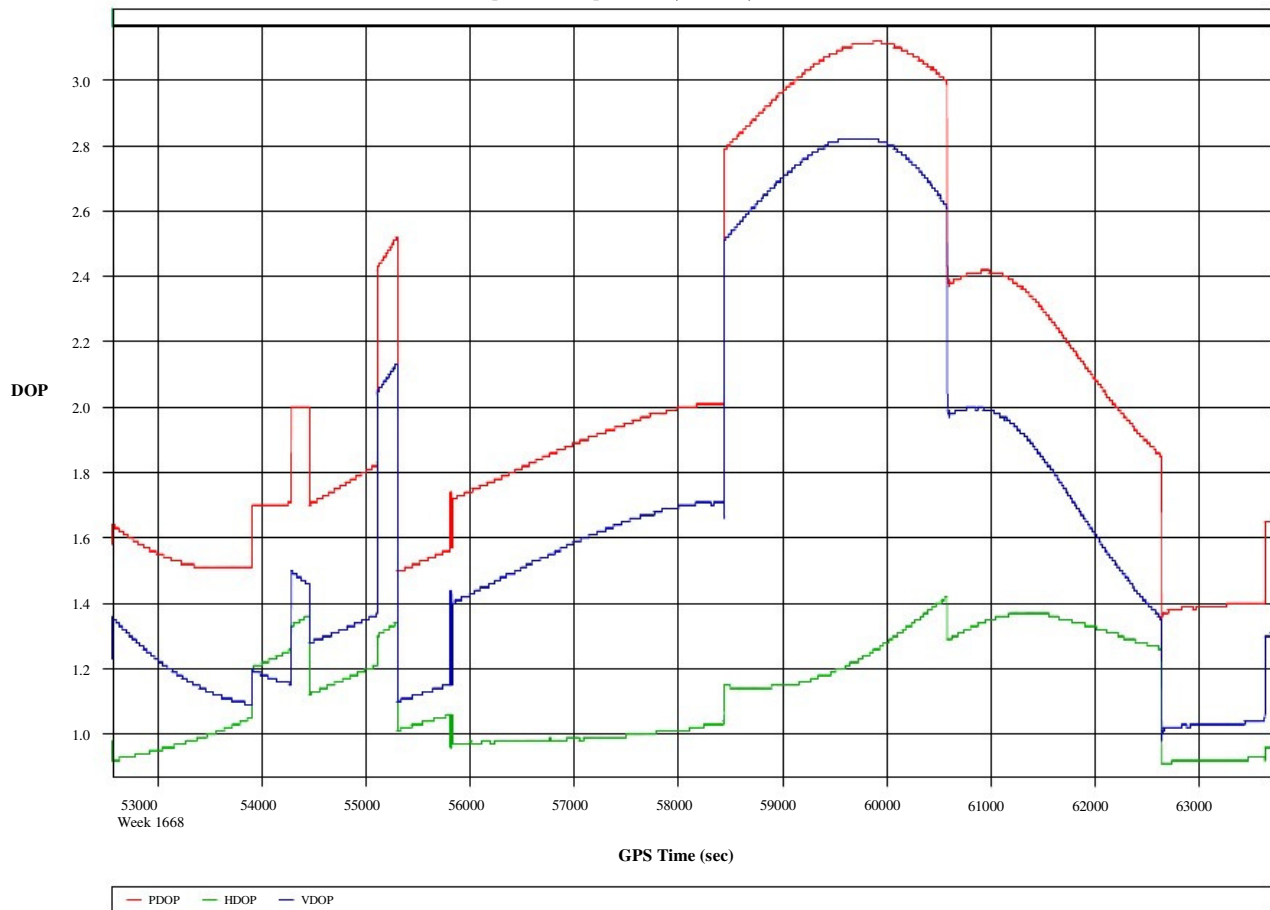
First Epoch: 45.867 (km)

Last Epoch: 46.151 (km)

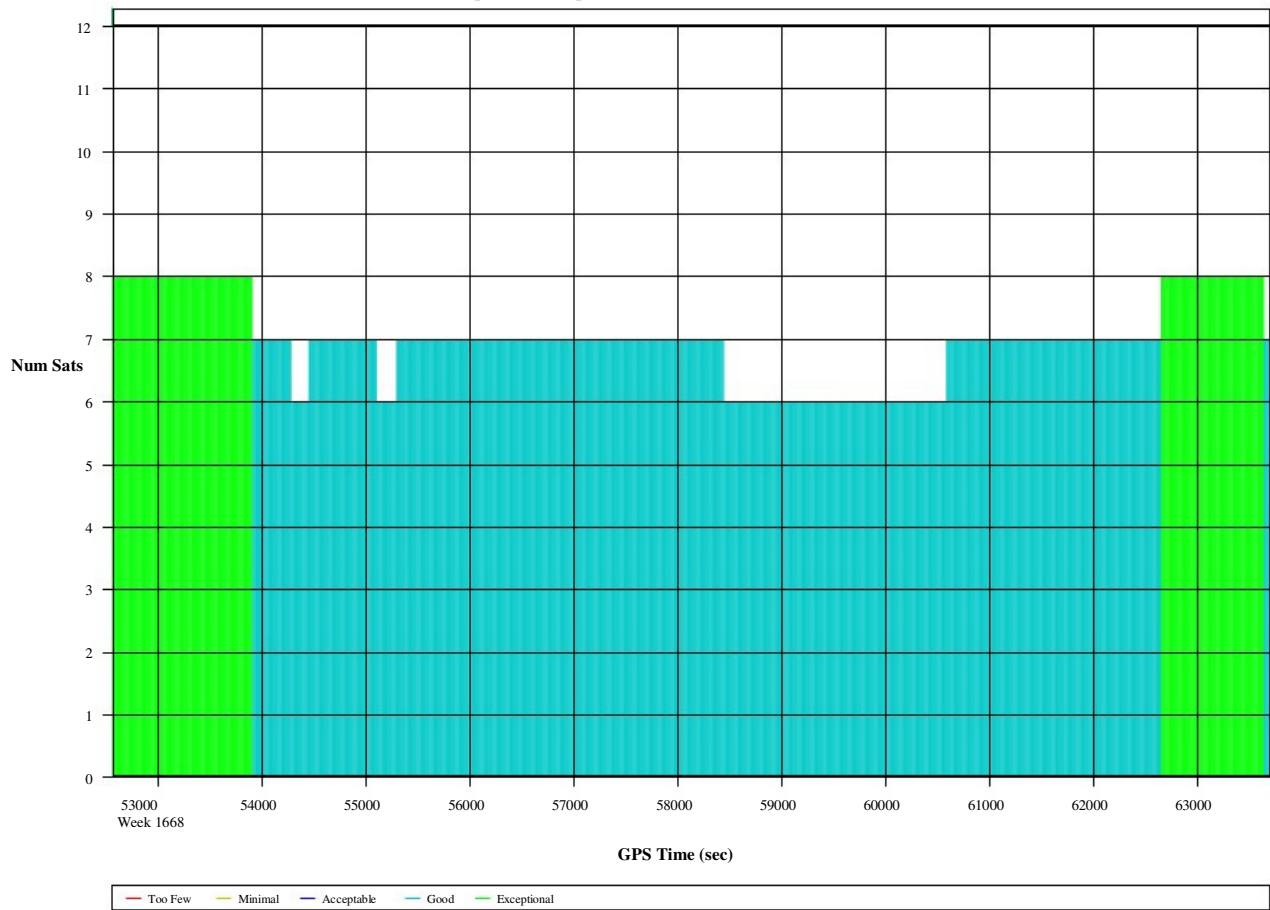
35911b [Combined] - Forward/Reverse or Combined Separation Plot



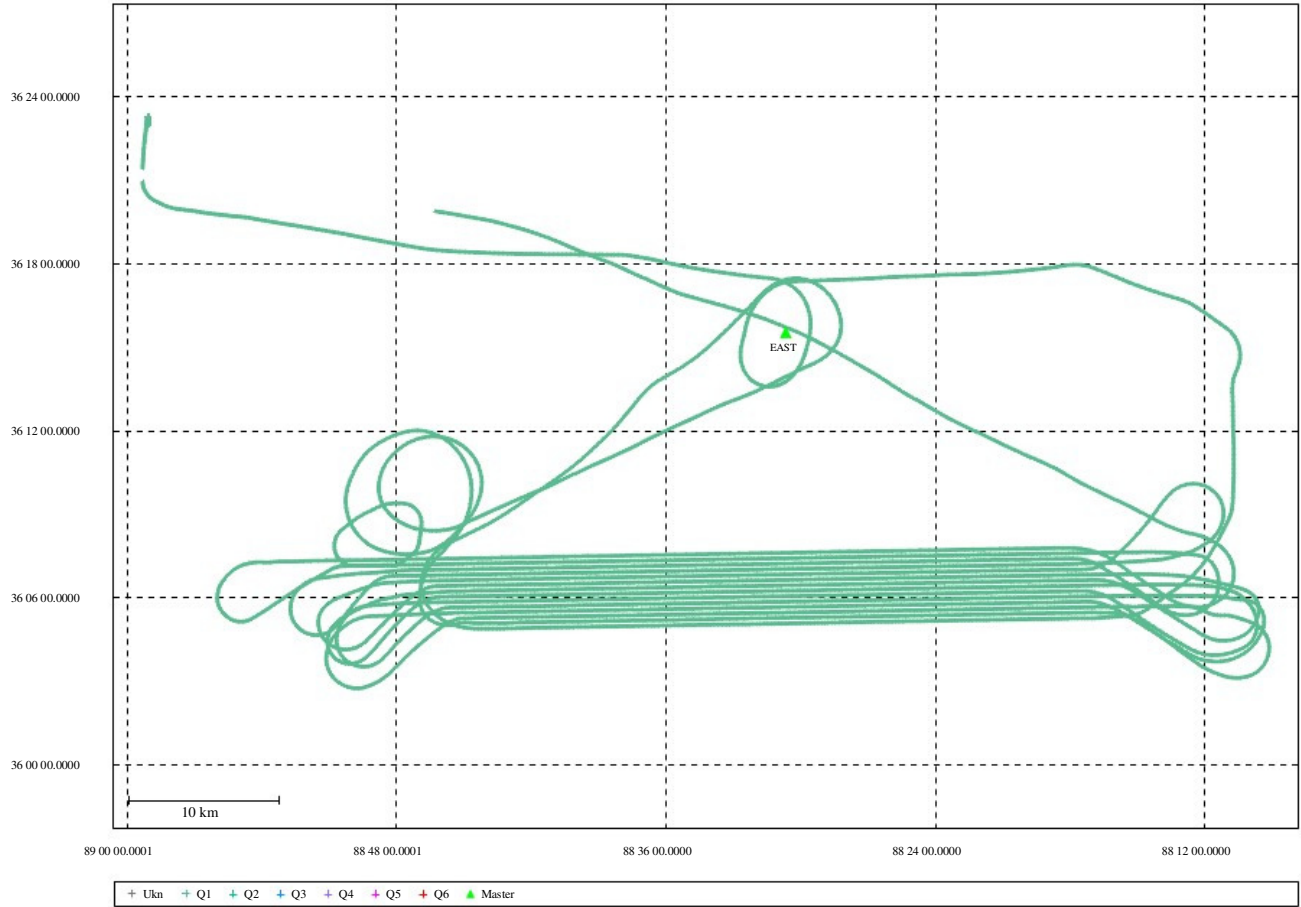
35911b [Combined] - PDOP, HDOP, VDOP Plots



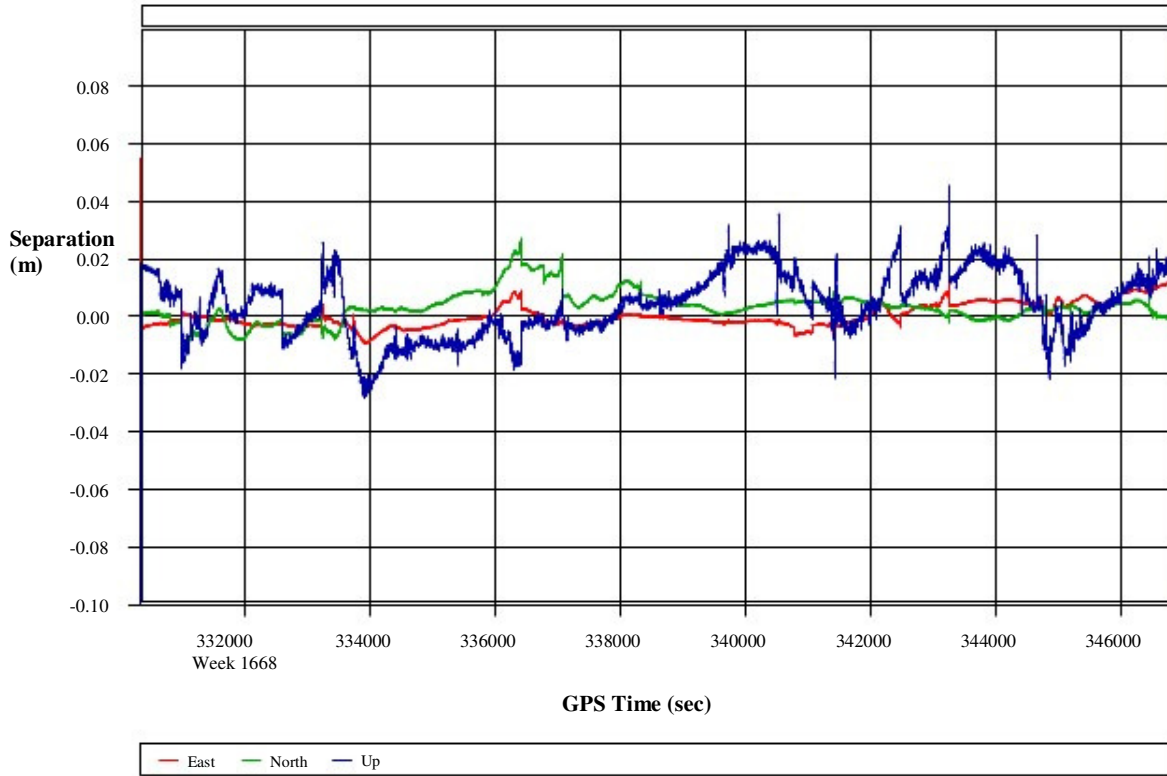
35911b [Combined] - Number of Satellites Bar Plot



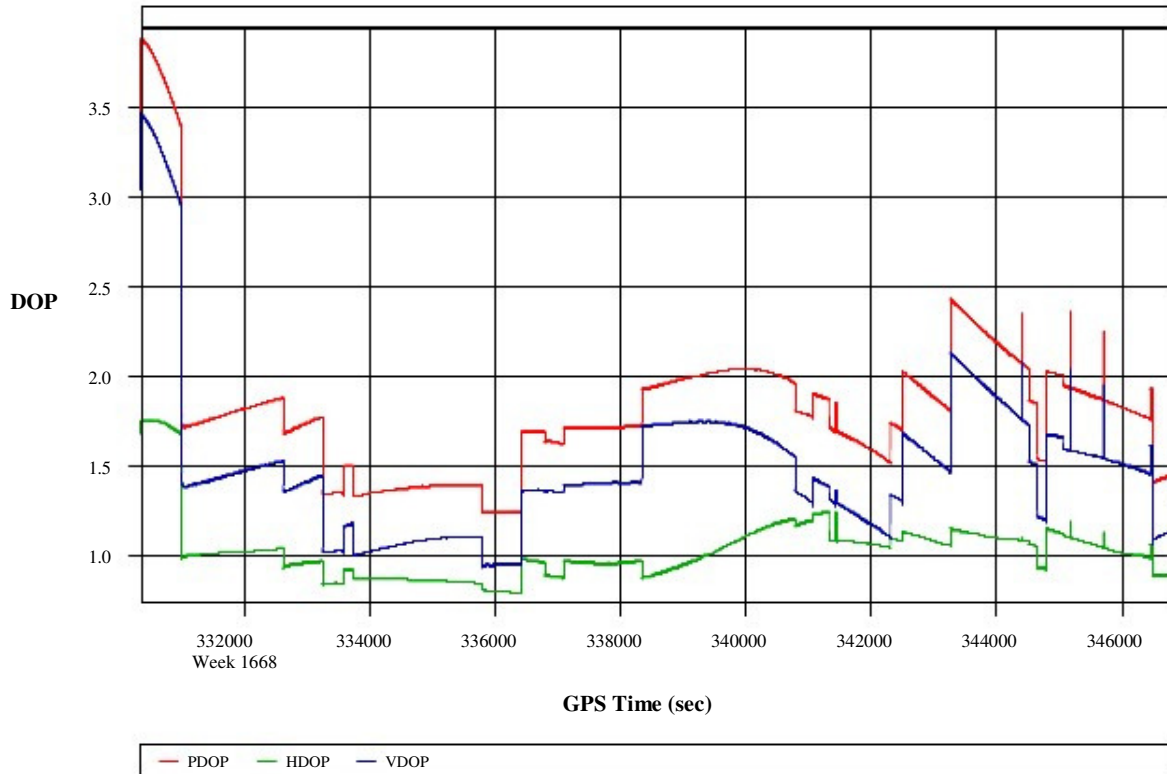
Combined - Map Run (1)



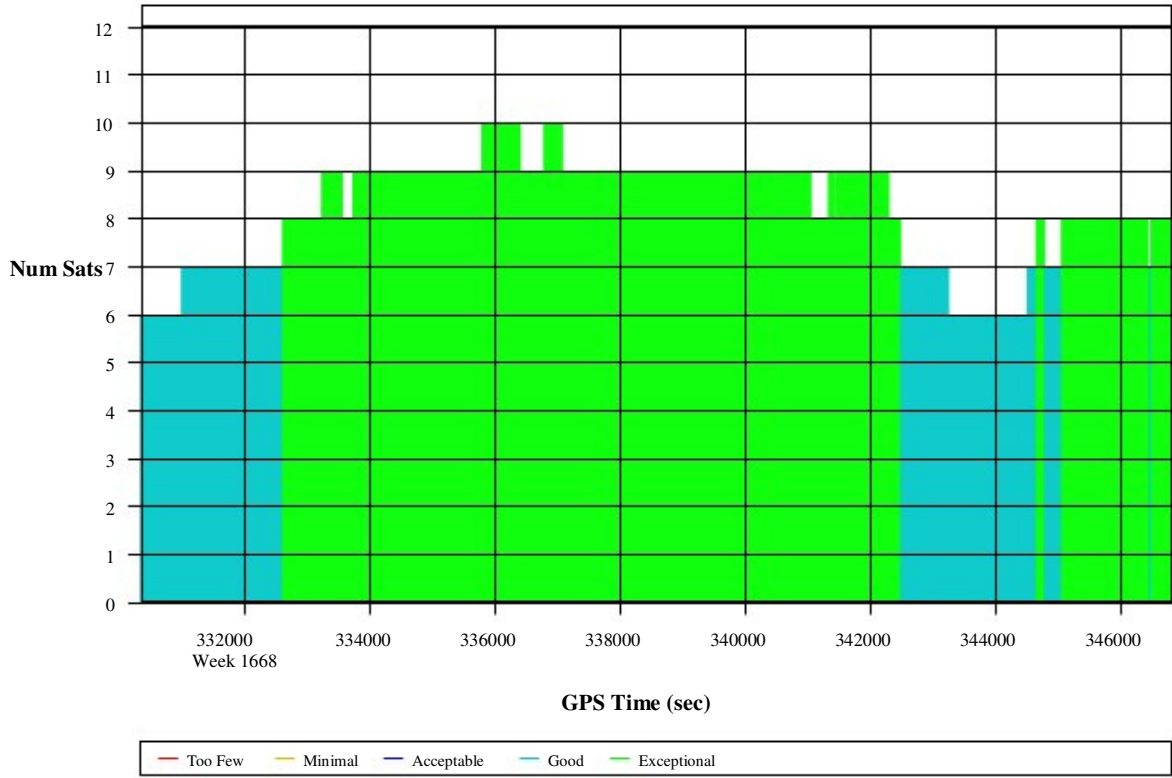
362a [Combined] - Forward/Reverse or Combined Separation Plot



362a [Combined] - PDOP, HDOP, VDOP Plots



362a [Combined] - Number of Satellites Bar Plot



Processing Summary Information

Program: POSGPS
Version: 4.30.3108
Project: D:\Projects\Tn\2012\36211a\pos\GPS\362a.gnv

Solution Type: Combined Fwd/Rev

Number of Epochs:
Total in GPB file: 165305
No processed position: 148792
Missing Fwd or Rev: 6
With bad C/A code: 0
With bad L1 Phase: 0

Measurement RMS Values:
L1 Phase:0.0176 (m)
C/A Code:0.87 (m)
L1 Doppler: 0.017 (m/s)

Fwd/Rev Separation RMS Values:
East:0.004 (m)
North:0.009 (m)
Height:0.019 (m)

Fwd/Rev Sep. RMS for 25%-75% weighting (16505 occurrences):
0.004 (m)East:
North:0.006 (m)
Height:0.012 (m)

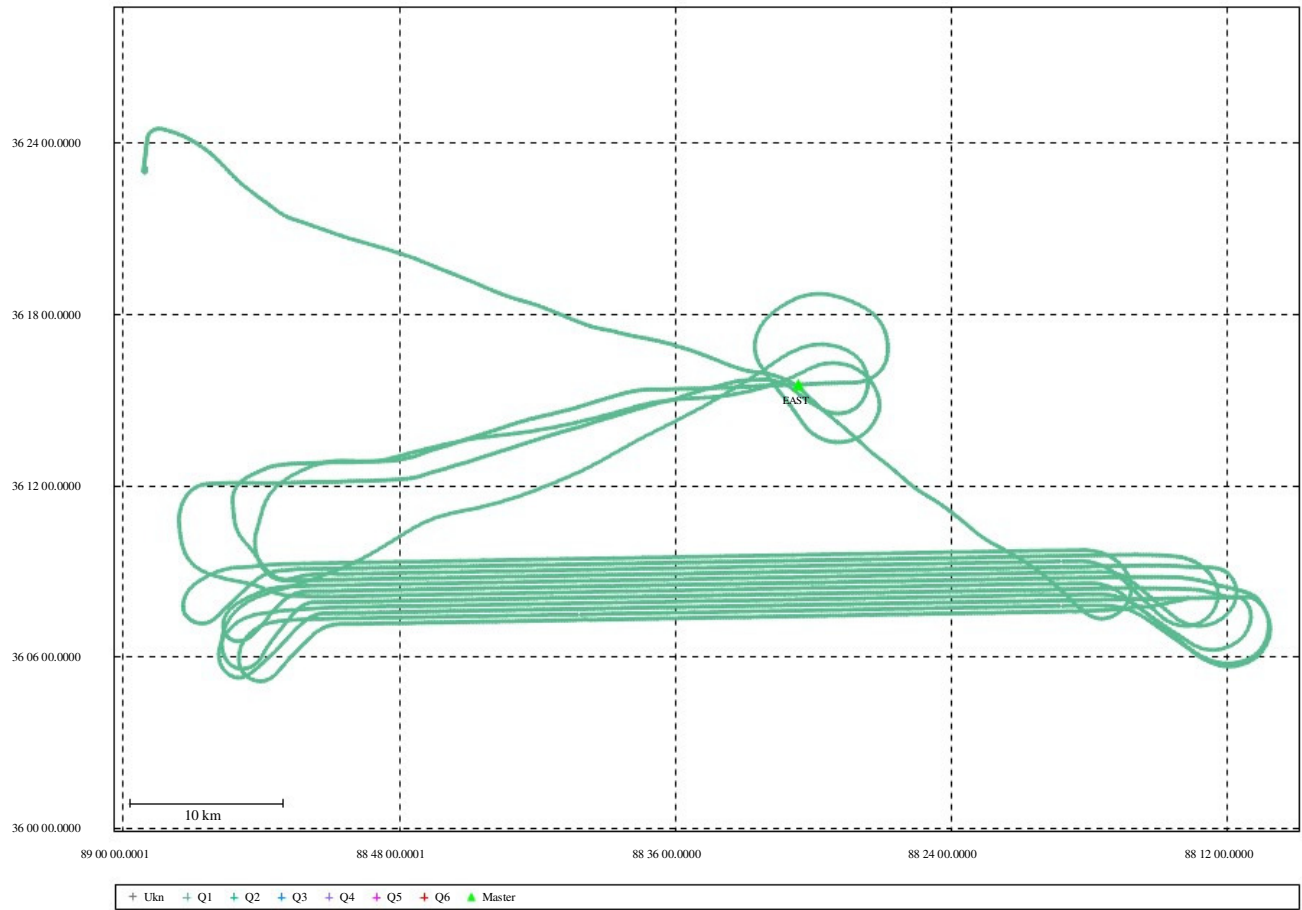
Quality	Number Percentages:
Q	1: 100.0 %
Q	2:0.0 %
Q	3:0.0 %
Q	4:0.0 %
Q	5:0.0 %
Q	6:0.0 %

Position Standard Deviation Percentages:
0.00 - 0.10 m:96.0 %
0.10 - 0.30 m:4.0 %
0.30 - 1.00 m:0.0 %
1.00 - 5.00 m:0.0 %
5.00 m + over:0.0 %

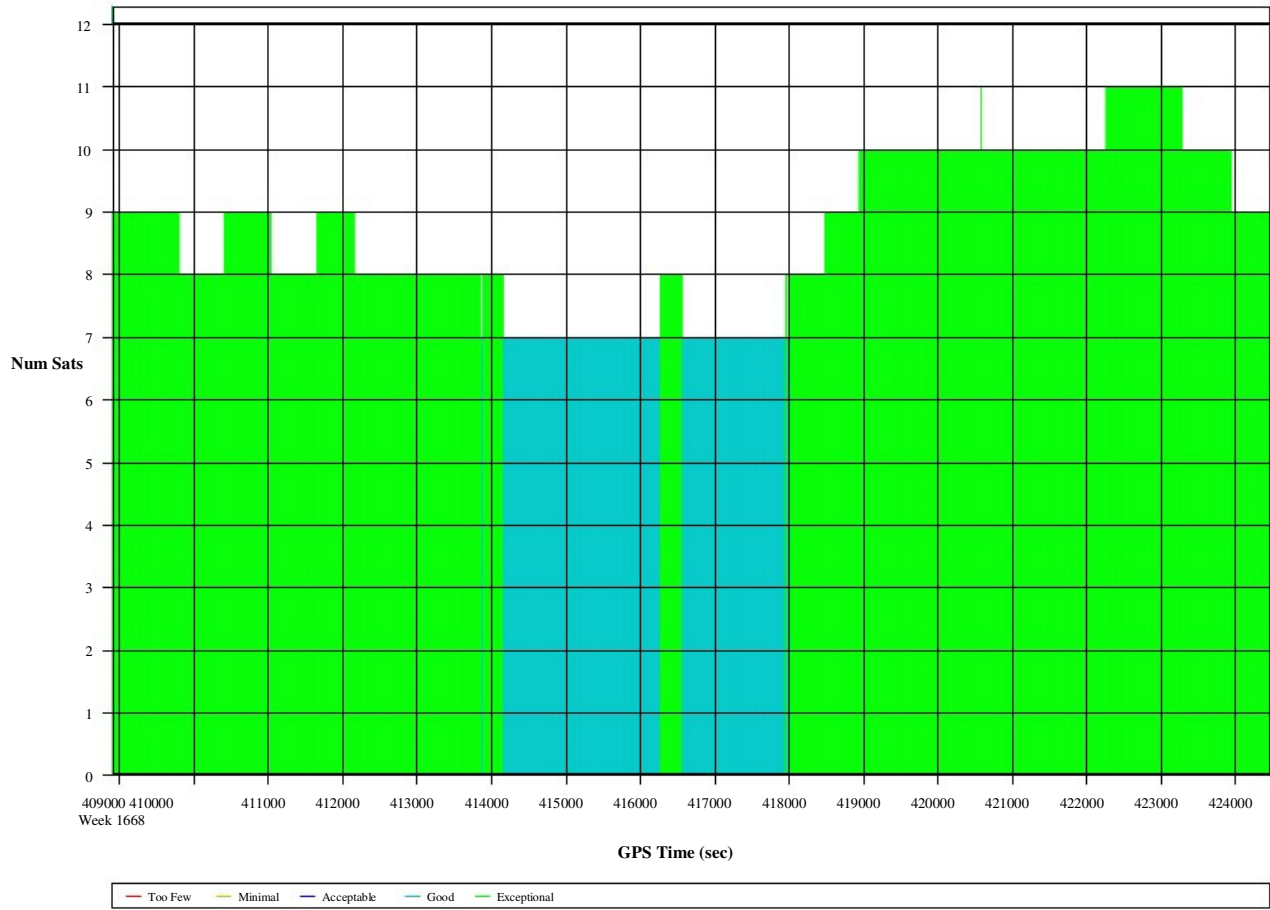
Percentages of epochs with DD_DOP over 10.00:
DOP over Tol:0.0 %

Baseline Distances:
Maximum: 44.915 (km)
Minimum: 1.121 (km)
Average: 23.852 (km)
First Epoch: 44.611 (km)
Last Epoch: 24.727 (km)

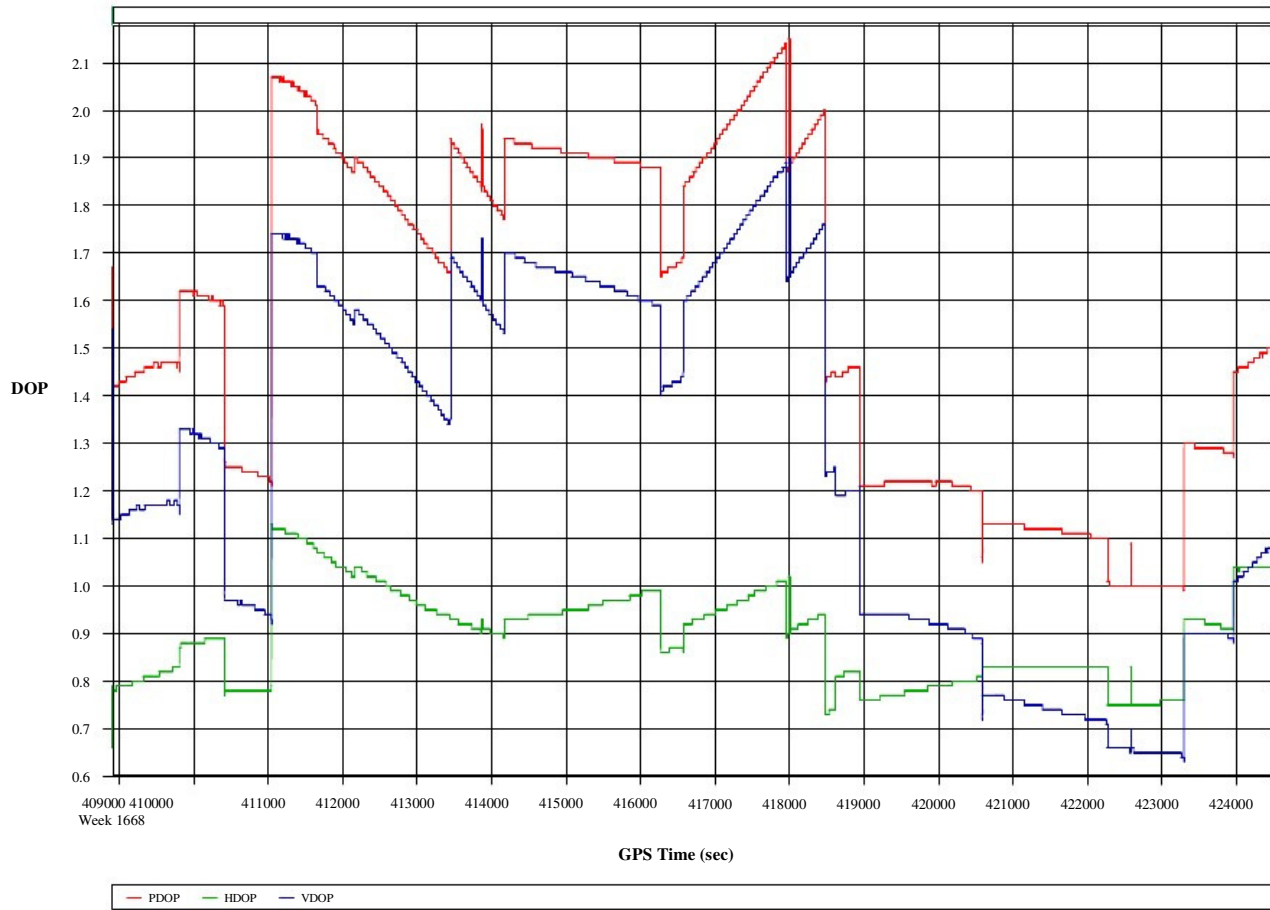
Combined - Map Run (9)



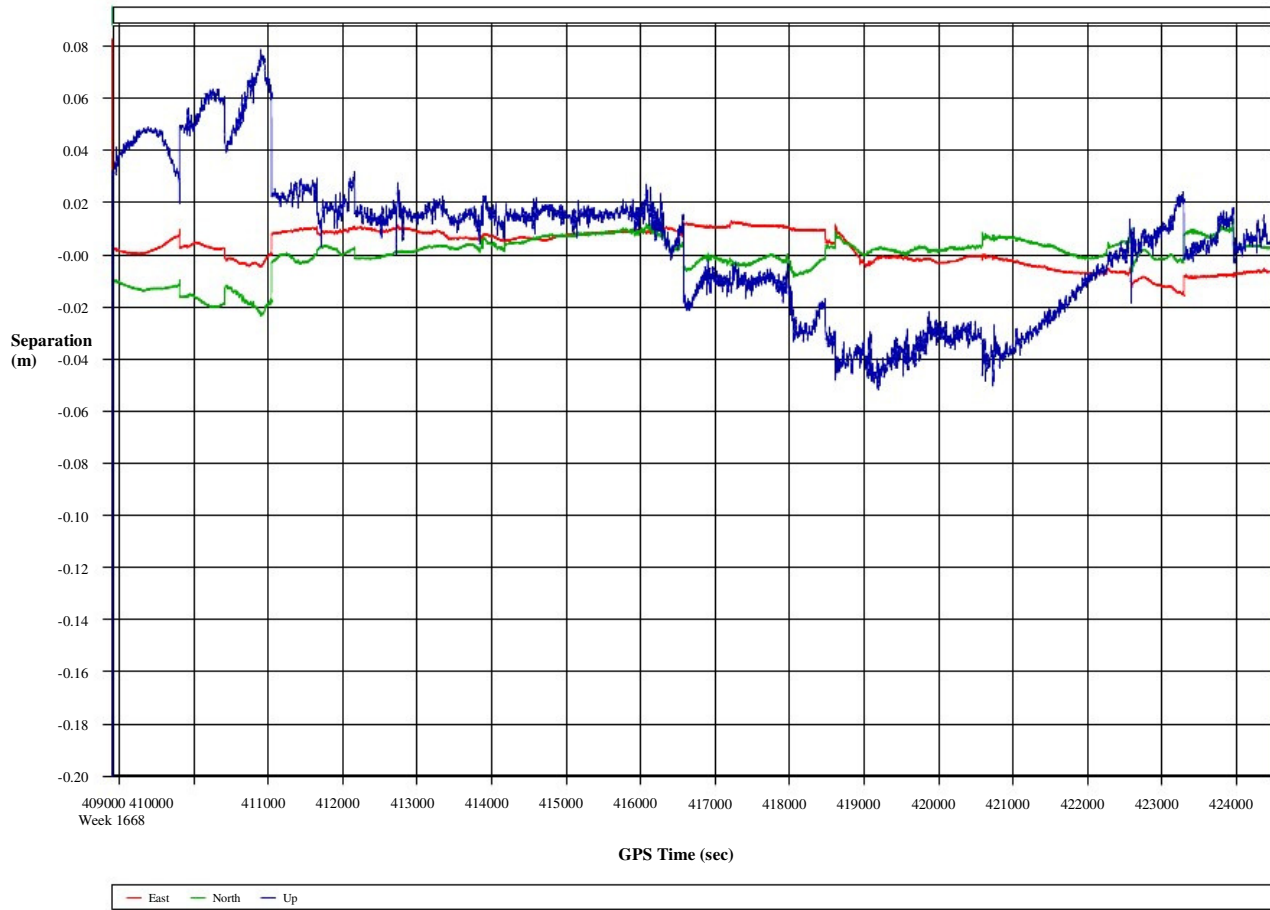
36311a [Combined] - Number of Satellites Bar Plot



36311a [Combined] - PDOP, HDOP, VDOP Plots



36311a [Combined] - Forward/Reverse or Combined Separation Plot



Processing Summary Information

Program: POSGPS
Version: 4.30.3108
Project: G:\Projects\COE\Tenn\2012\36311a\pos\GPS\36311a.gnv

Solution Type: Combined Fwd/Rev

Number of Epochs:
Total in GPB file: 174154
No processed position: 158580
Missing Fwd or Rev: 4
With bad C/A code: 0
With bad L1 Phase: 0

Measurement RMS Values:
L1 Phase:0.0198 (m)
C/A Code:0.97 (m)
L1 Doppler: 0.017 (m/s)

Fwd/Rev Separation RMS Values:
East:0.008 (m)
North:0.007 (m)
Height:0.028 (m)

Fwd/Rev Sep. RMS for 25%-75% weighting (15568 occurrences):
0.007 (m)East:
North:0.007 (m)
Height:0.028 (m)

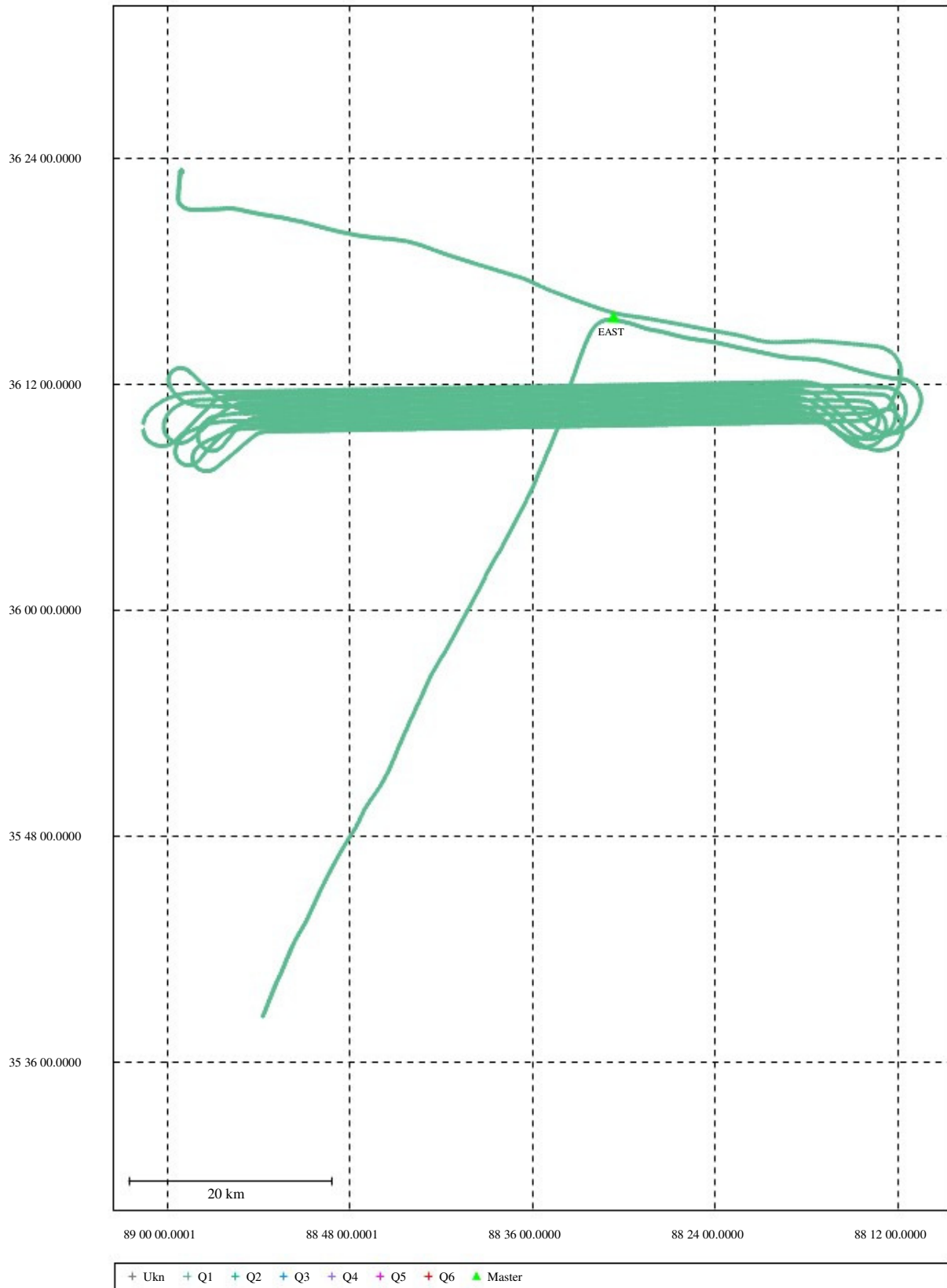
Quality	Number Percentages:
Q	1: 100.0 %
Q	2:0.0 %
Q	3:0.0 %
Q	4:0.0 %
Q	5:0.0 %
Q	6:0.0 %

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 %

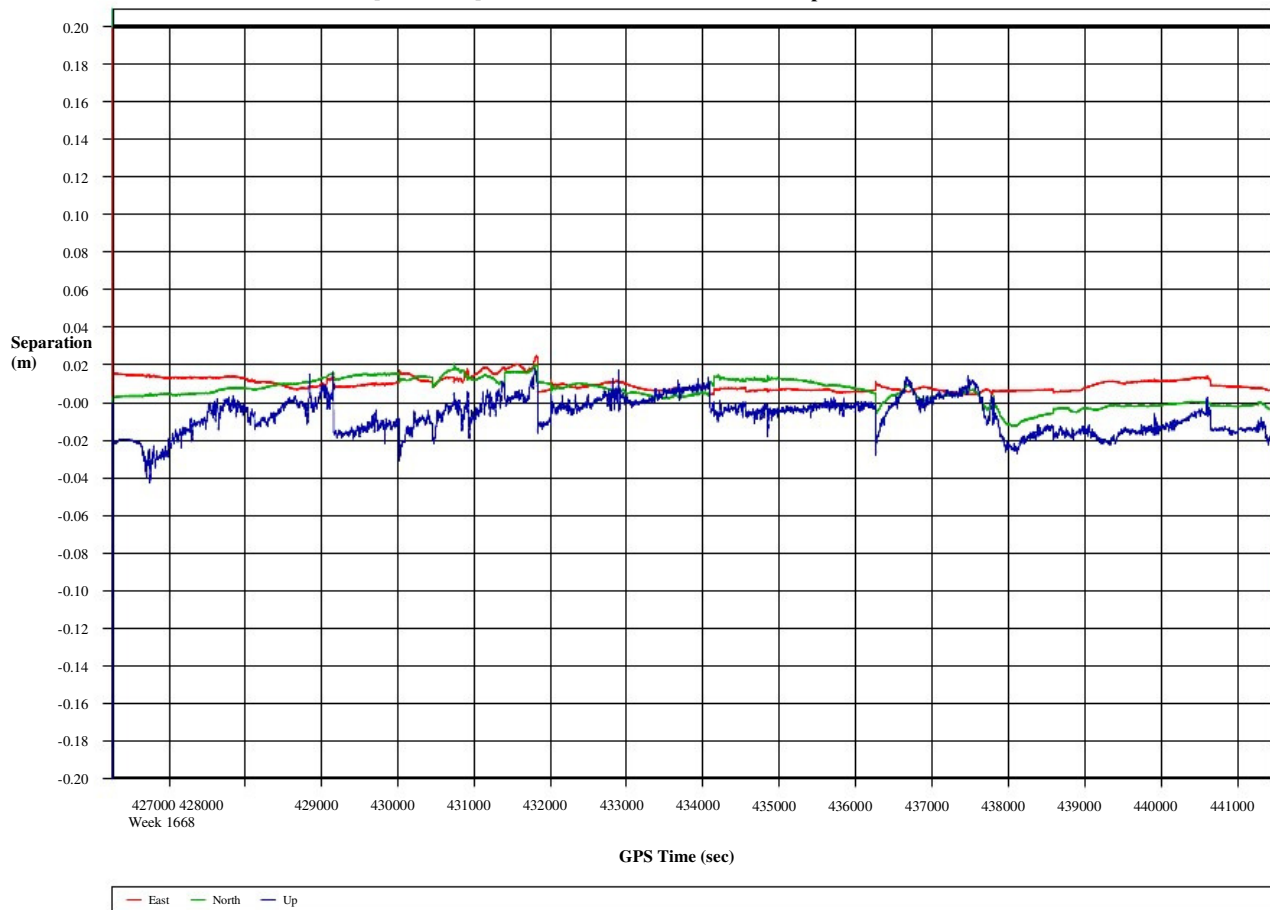
Percentages of epochs with DD_DOP over 10.00:
DOP over Tol:0.0 %

Baseline Distances:
Maximum: 45.289 (km)
Minimum: 1.058 (km)
Average: 21.853 (km)
First Epoch: 28.915 (km)
Last Epoch: 44.736 (km)

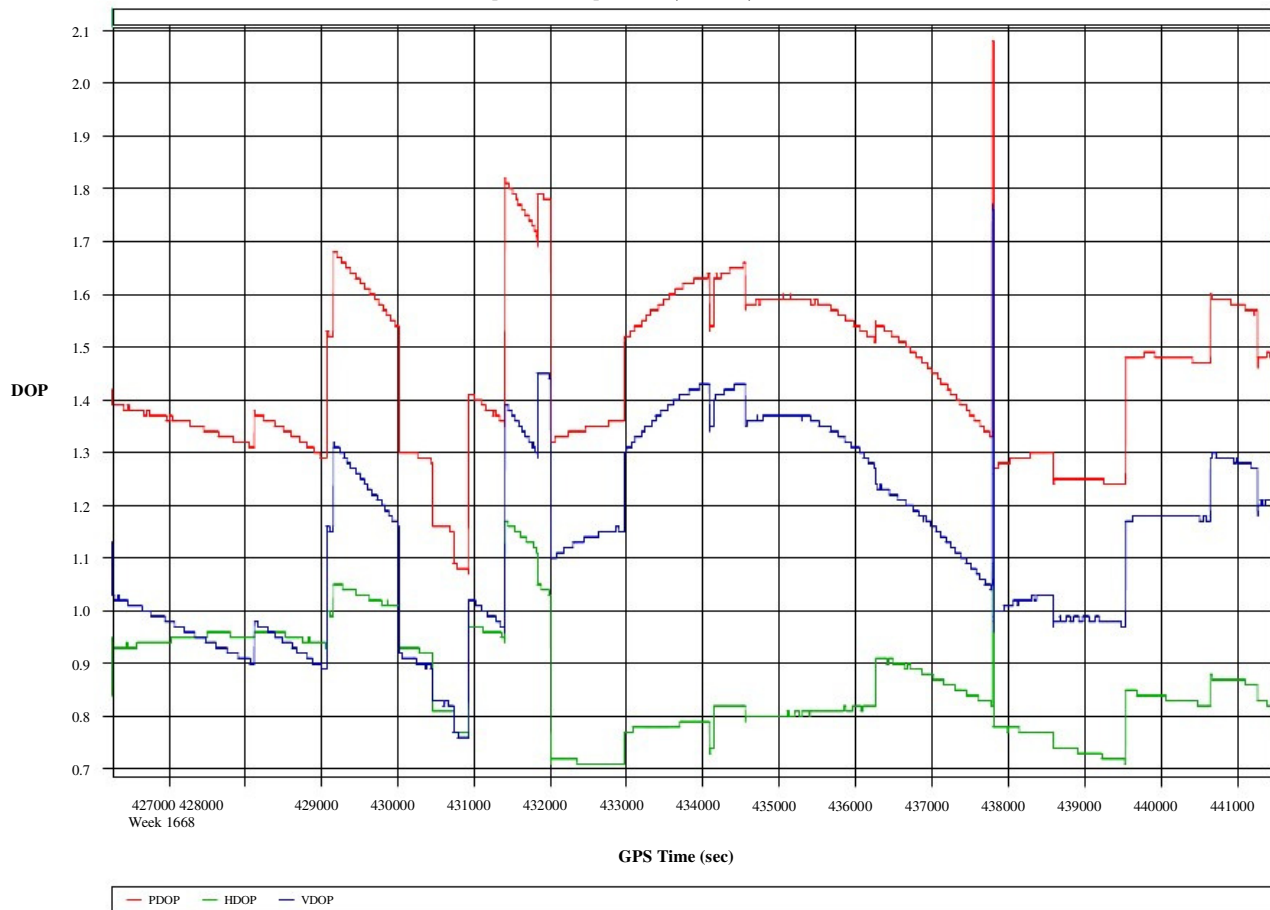
Combined - Map Run (2)



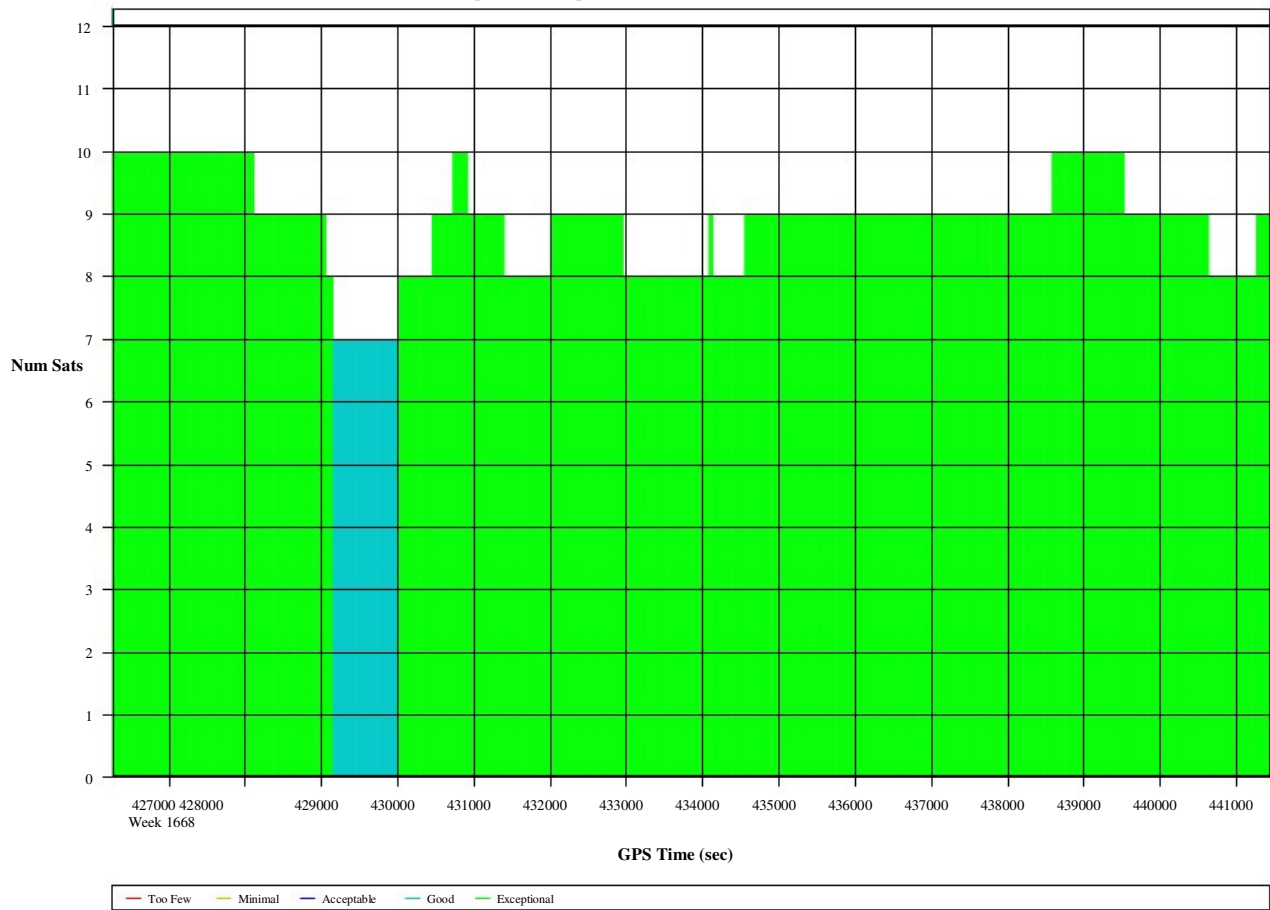
36311b [Combined] - Forward/Reverse or Combined Separation Plot



36311b [Combined] - PDOP, HDOP, VDOP Plots



36311b [Combined] - Number of Satellites Bar Plot



Processing Summary Information

Program: POSGPS
Version: 4.30.3108
Project: G:\Projects\COE\Tenn\2012\36311b\pos\GPS\36311b.gnv

Solution Type: Combined Fwd/Rev

Number of Epochs:
Total in GPB file: 152152
No processed position: 136956
Missing Fwd or Rev: 3
With bad C/A code: 0
With bad L1 Phase: 0

Measurement RMS Values:
L1 Phase:0.0178 (m)
C/A Code:0.93 (m)
L1 Doppler: 0.017 (m/s)

Fwd/Rev Separation RMS Values:
East:0.011 (m)
North:0.010 (m)
Height:0.013 (m)

Fwd/Rev Sep. RMS for 25%-75% weighting (15191 occurrences):
0.010 (m)East:
North:0.009 (m)
Height:0.012 (m)

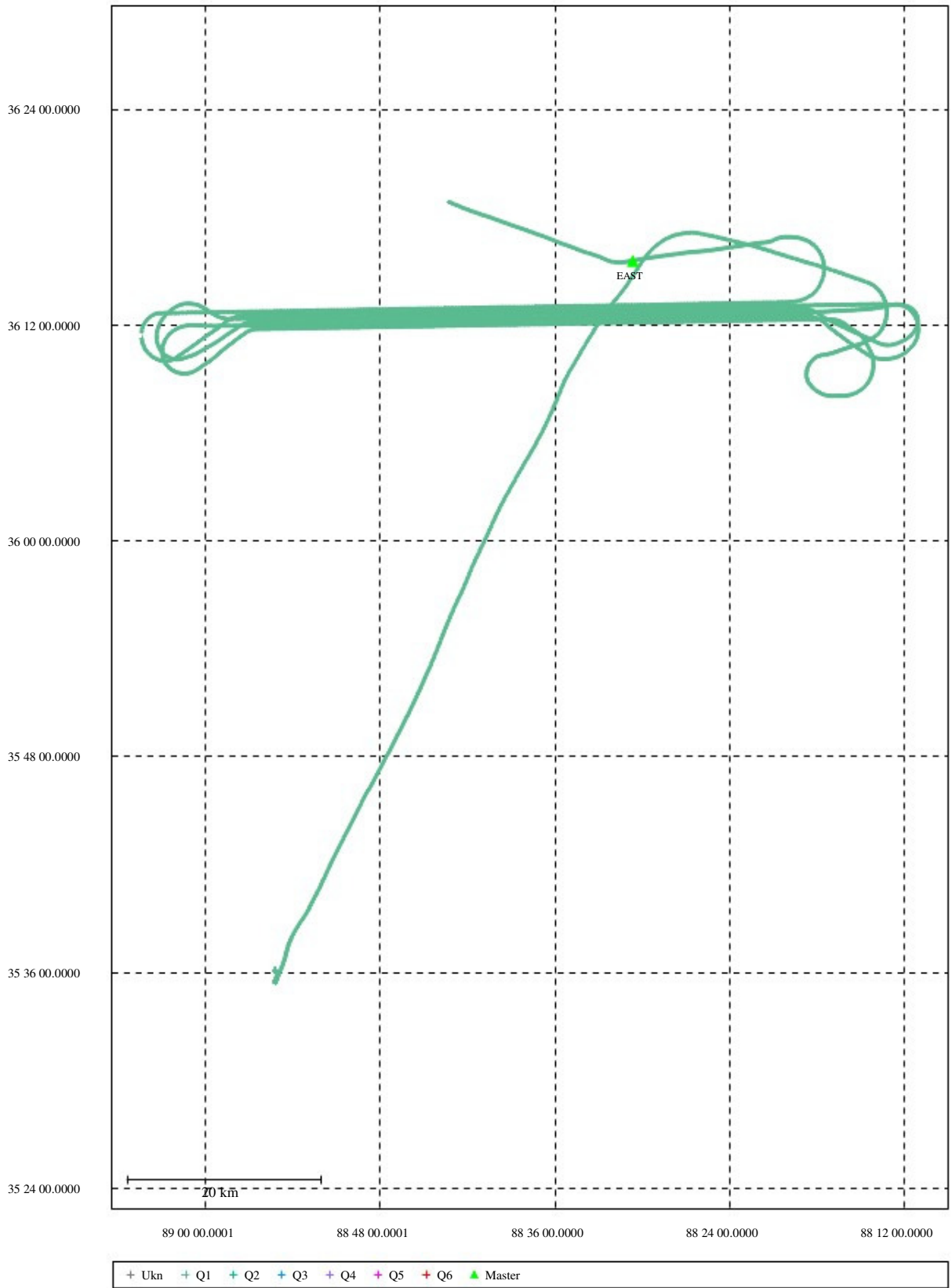
Quality	Number Percentages:
Q	1: 100.0 %
Q	2:0.0 %
Q	3:0.0 %
Q	4:0.0 %
Q	5:0.0 %
Q	6:0.0 %

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 %

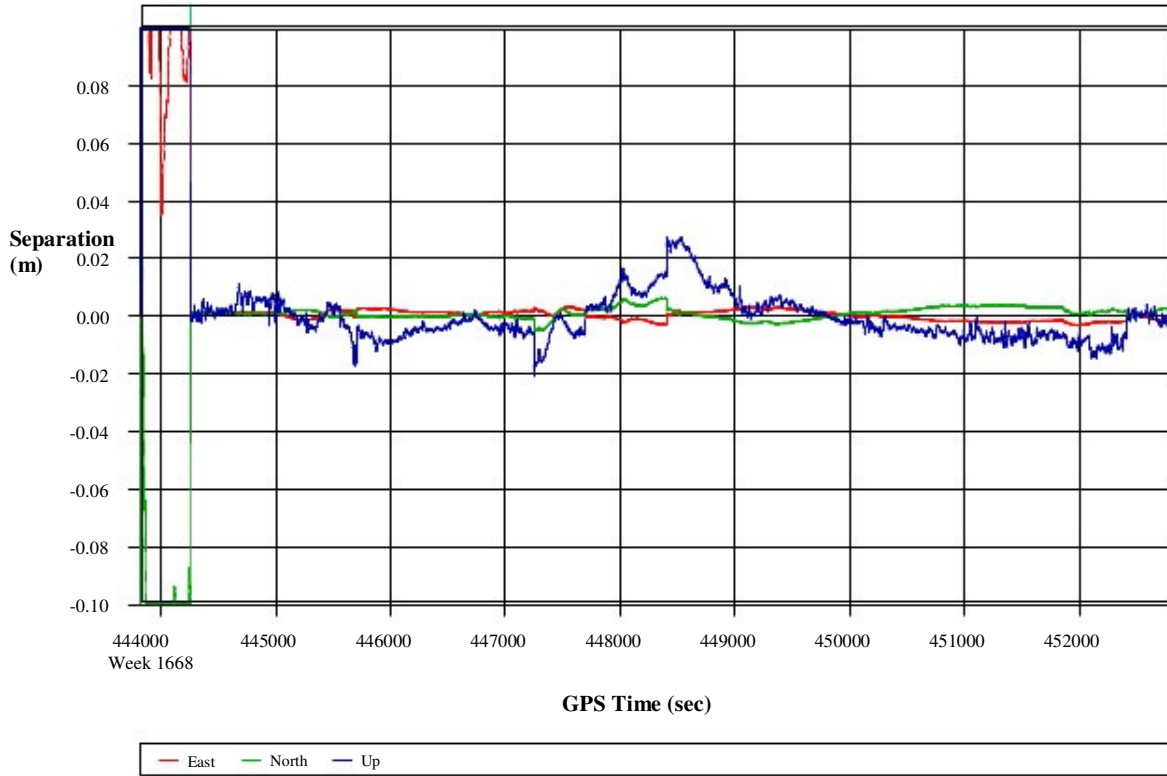
Percentages of epochs with DD_DOP over 10.00:
DOP over Tol:0.0 %

Baseline Distances:
Maximum: 76.902 (km)
Minimum: 1.086 (km)
Average: 23.912 (km)
First Epoch: 44.747 (km)
Last Epoch: 76.902 (km)

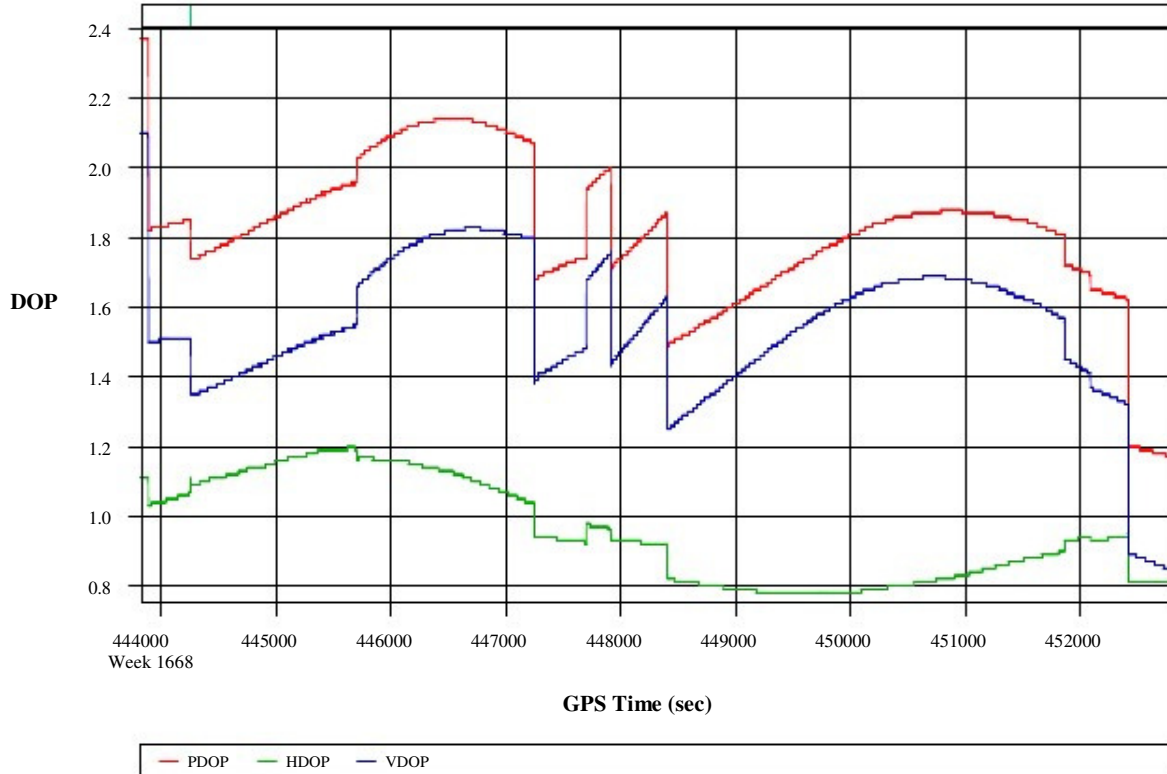
Combined - Map Run (1)



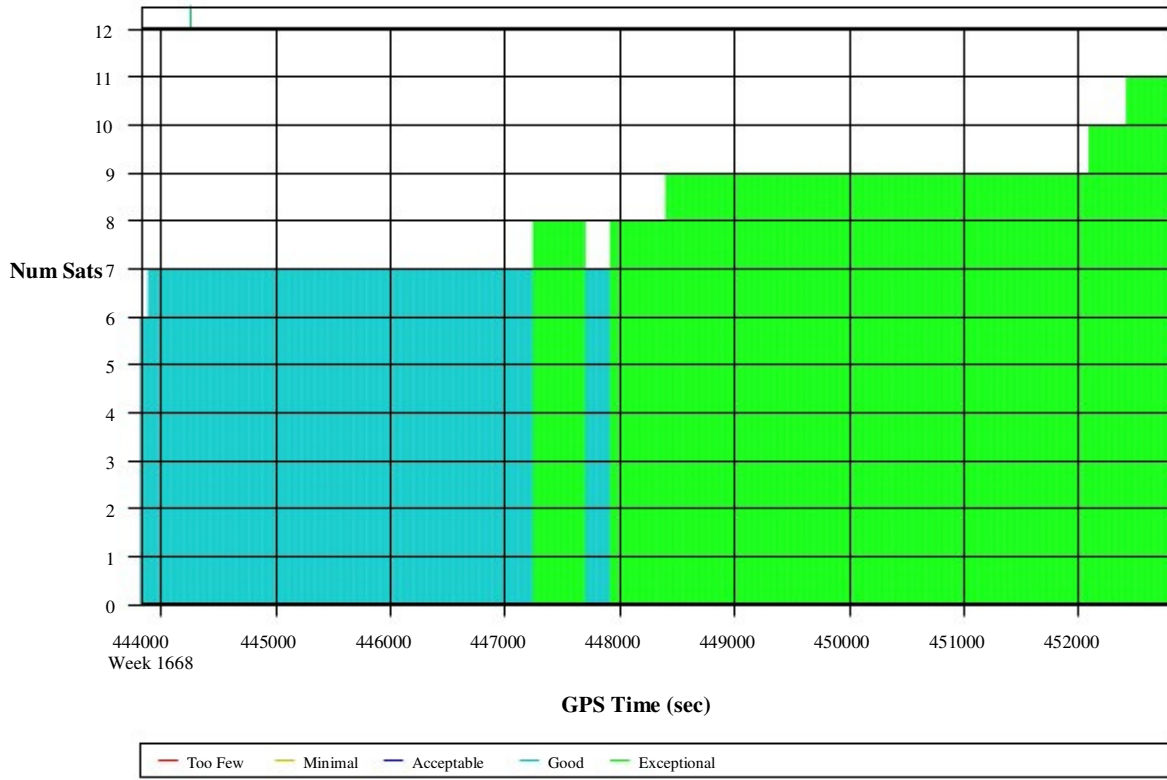
364a [Combined] - Forward/Reverse or Combined Separation Plot



364a [Combined] - PDOP, HDOP, VDOP Plots



364a [Combined] - Number of Satellites Bar Plot



364a.txt
Processing Summary Information

Program: POSGPS
Version: 4.30.3108
Project: D:\Projects\Tn\2012\3641 1a\pos\GPS\364a.gnv

Solution Type: Combined Fwd/Rev

Number of Epochs:

Total in GPB file:	90424
No processed position:	81423
Missing Fwd or Rev:	4
With bad C/A code:	0
With bad L1 Phase:	0

Measurement RMS Values:

L1 Phase:	0.0158 (m)
C/A Code:	0.97 (m)
L1 Doppler:	0.017 (m/s)

Fwd/Rev Separation RMS Values:

East:	0.029 (m)
North:	0.037 (m)
Height:	0.157 (m)

Fwd/Rev Sep. RMS for 25%-75% weighting (8561 occurrences):

East:	0.002 (m)
North:	0.002 (m)
Height:	0.008 (m)

Quality Number Percentages:

Q 1:	100.0 %
Q 2:	0.0 %
Q 3:	0.0 %
Q 4:	0.0 %

Q 5: 0.0 %

Q 6: 0.0 %

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:

DOP over Tol: 0.0 %

Baseline Distances:

Maximum: 82.816 (km)

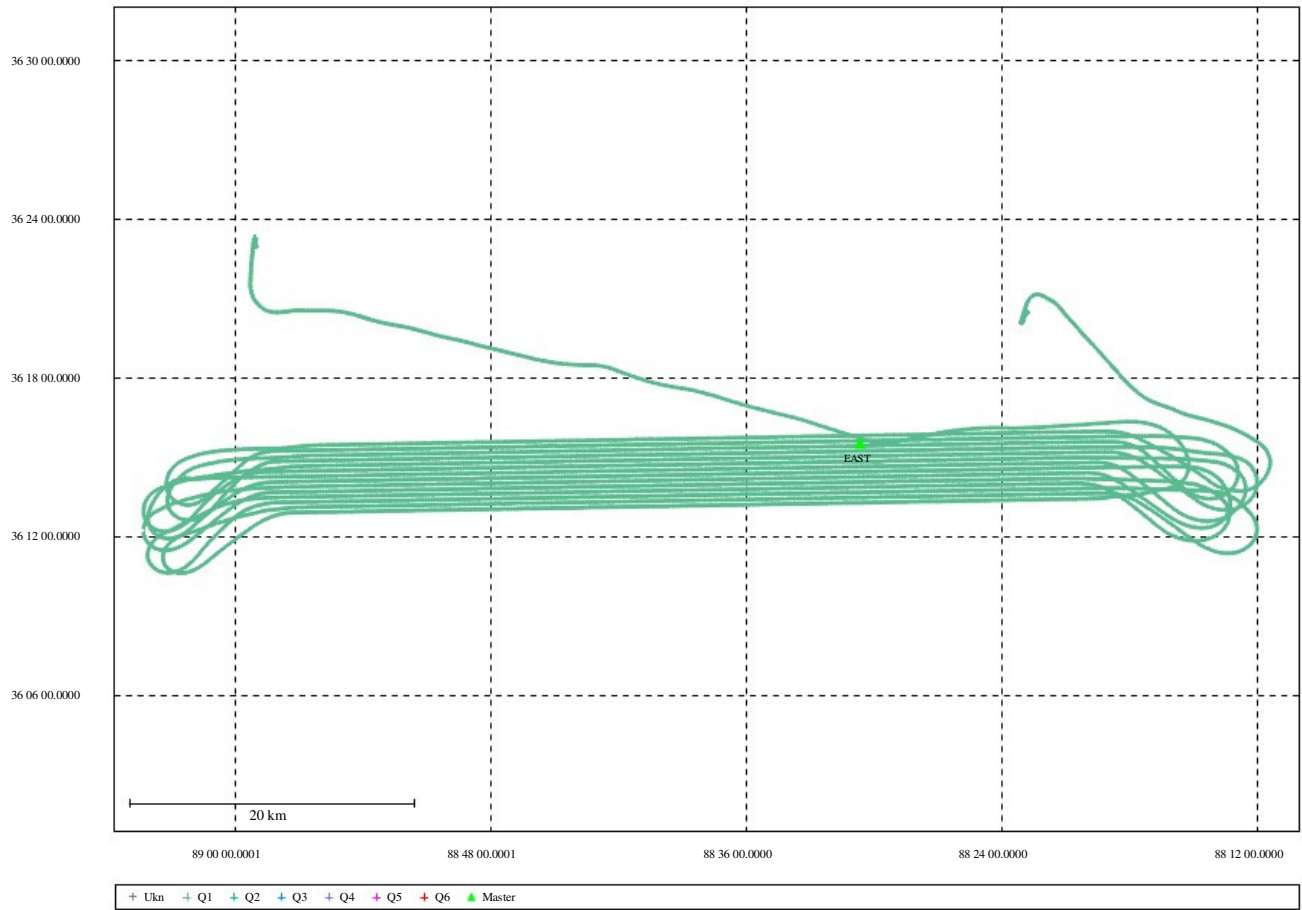
Minimum: 1.101 (km)

Average: 26.618 (km)

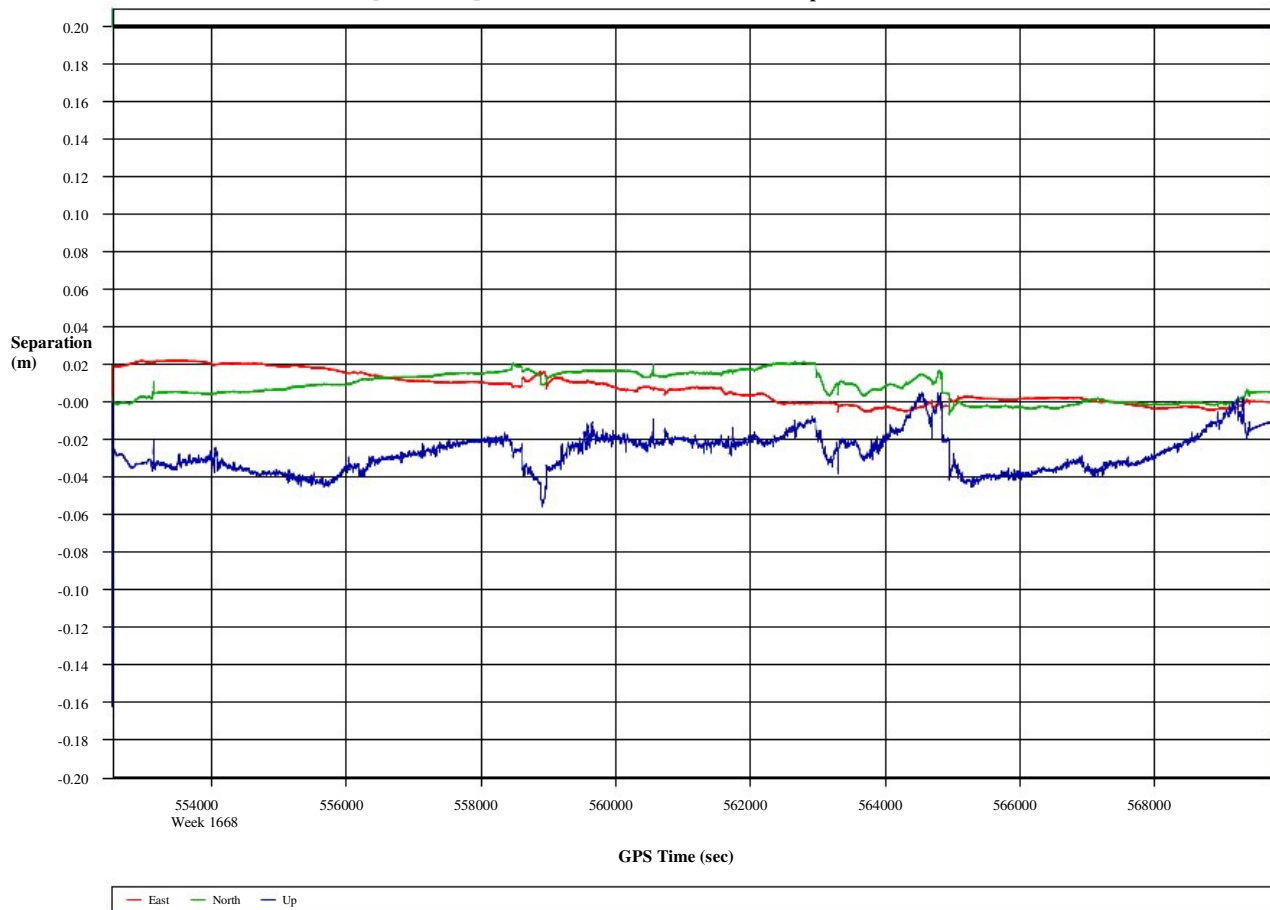
First Epoch: 81.652 (km)

Last Epoch: 19.900 (km)

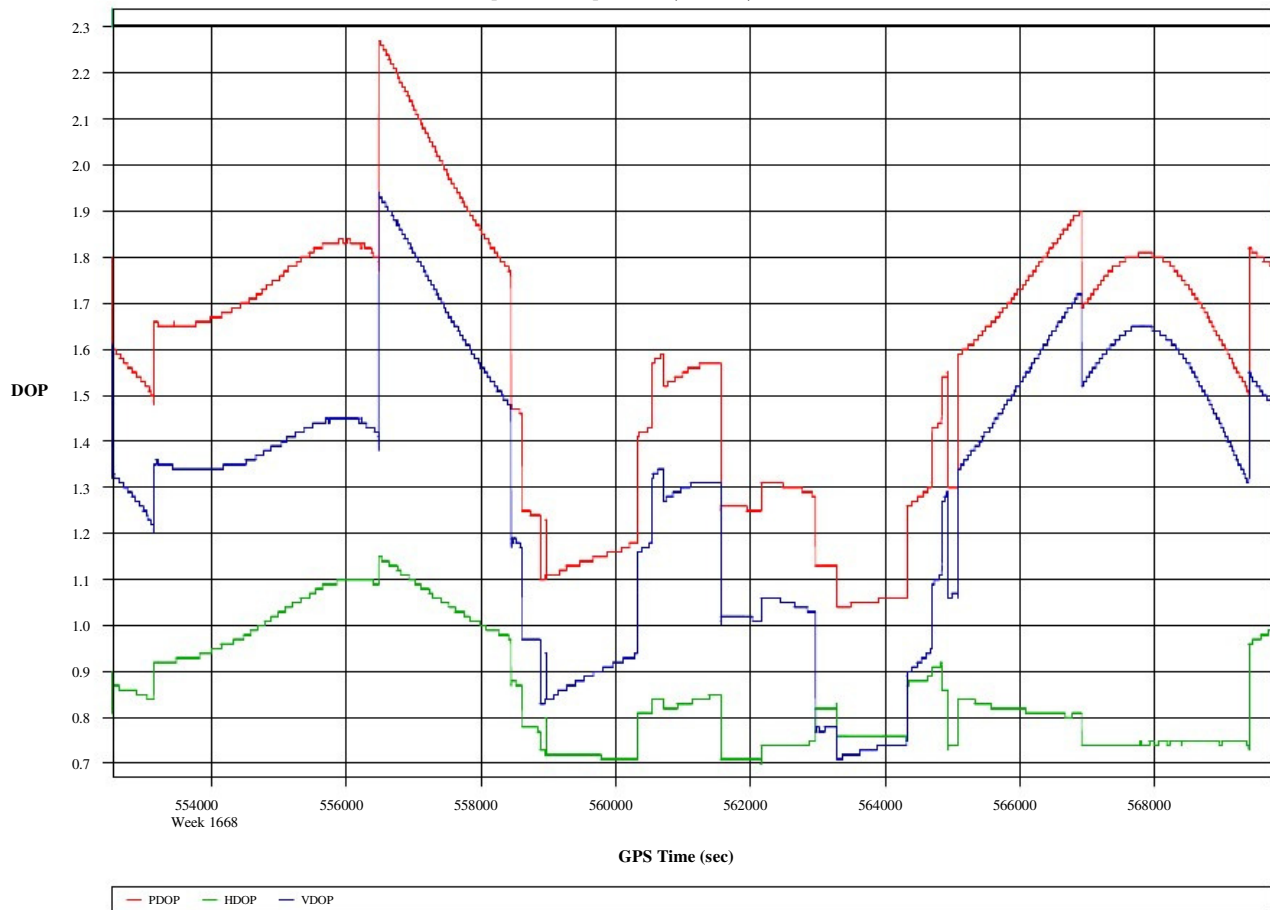
Combined - Map Run (1)



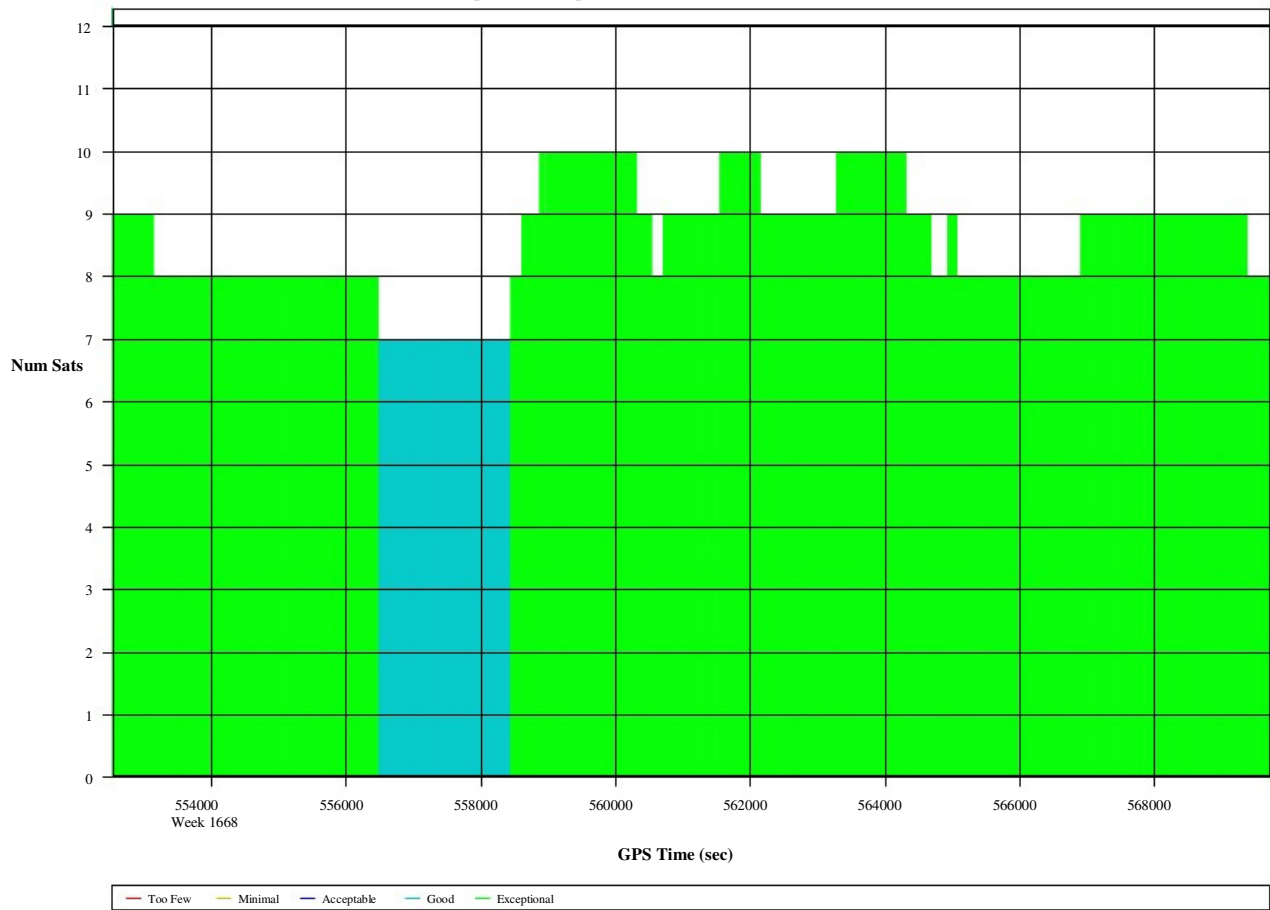
36511a [Combined] - Forward/Reverse or Combined Separation Plot



36511a [Combined] - PDOP, HDOP, VDOP Plots



36511a [Combined] - Number of Satellites Bar Plot



Processing Summary Information

Program: POSGPS
Version: 4.30.3108
Project: G:\Projects\COE\Tenn\2012\36511a\pos\GPS\36511a.gnv

Solution Type: Combined Fwd/Rev

Number of Epochs:
Total in GPB file: 172366
No processed position: 155155
Missing Fwd or Rev: 4
With bad C/A code: 0
With bad L1 Phase: 0

Measurement RMS Values:
L1 Phase:0.0170 (m)
C/A Code:0.94 (m)
L1 Doppler: 0.017 (m/s)

Fwd/Rev Separation RMS Values:
East:0.012 (m)
North:0.012 (m)
Height:0.029 (m)

Fwd/Rev Sep. RMS for 25%-75% weighting (17205 occurrences):
0.011 (m)East:
North:0.011 (m)
Height:0.028 (m)

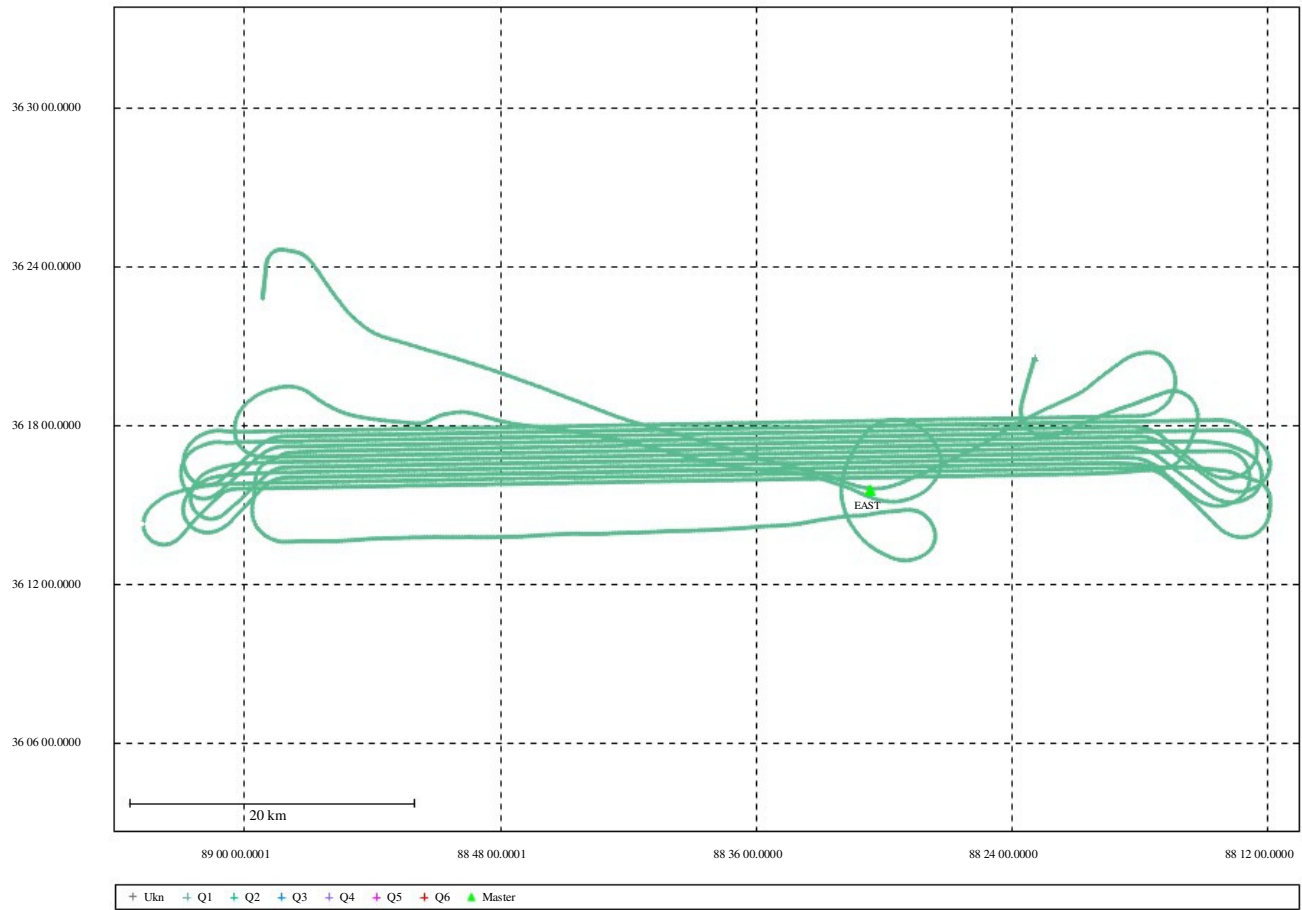
Quality	Number Percentages:
Q	1: 100.0 %
Q	2:0.0 %
Q	3:0.0 %
Q	4:0.0 %
Q	5:0.0 %
Q	6:0.0 %

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 %

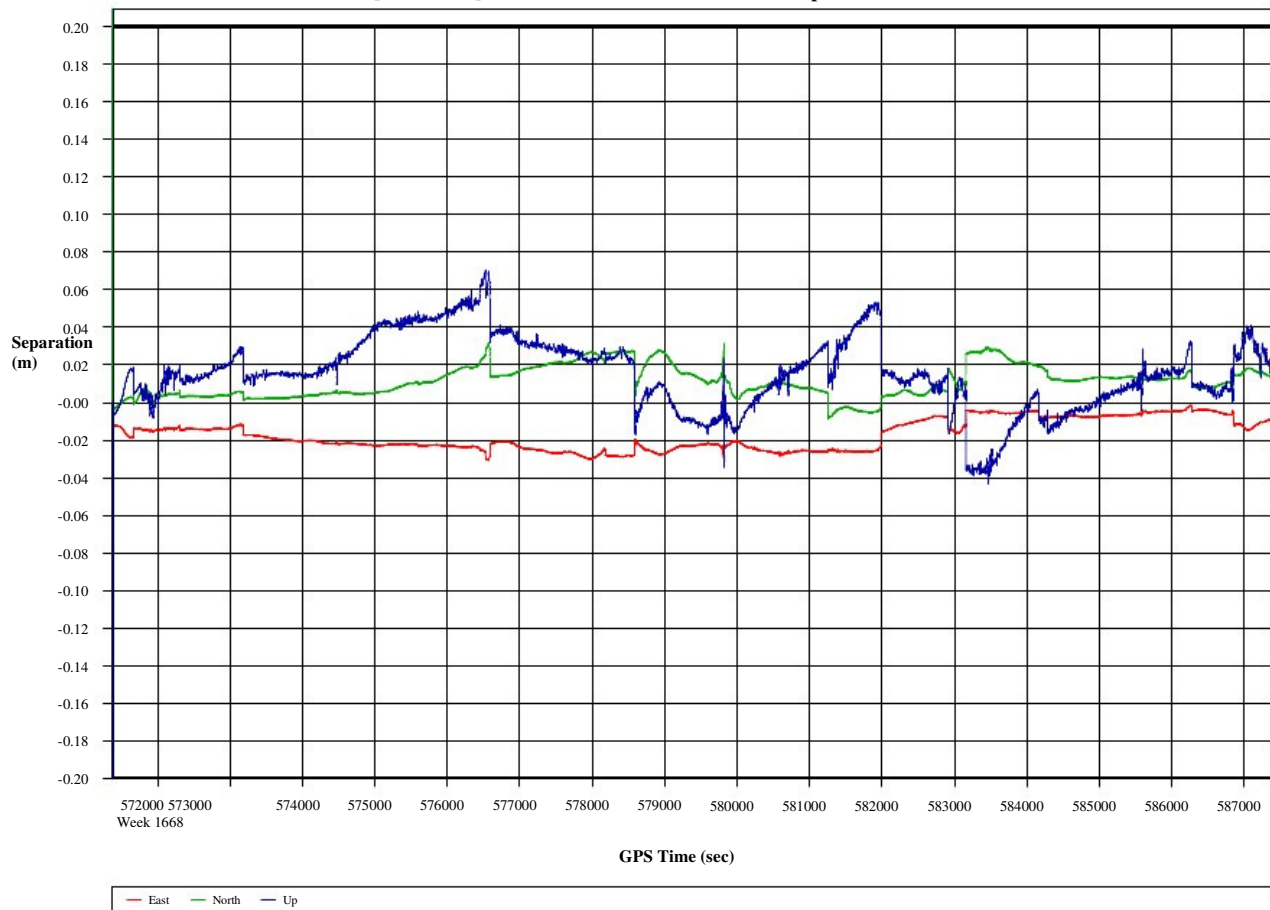
Percentages of epochs with DD_DOP over 10.00:
DOP over Tol:0.0 %

Baseline Distances:
Maximum: 50.779 (km)
Minimum: 1.034 (km)
Average: 22.441 (km)
First Epoch: 44.582 (km)
Last Epoch: 14.941 (km)

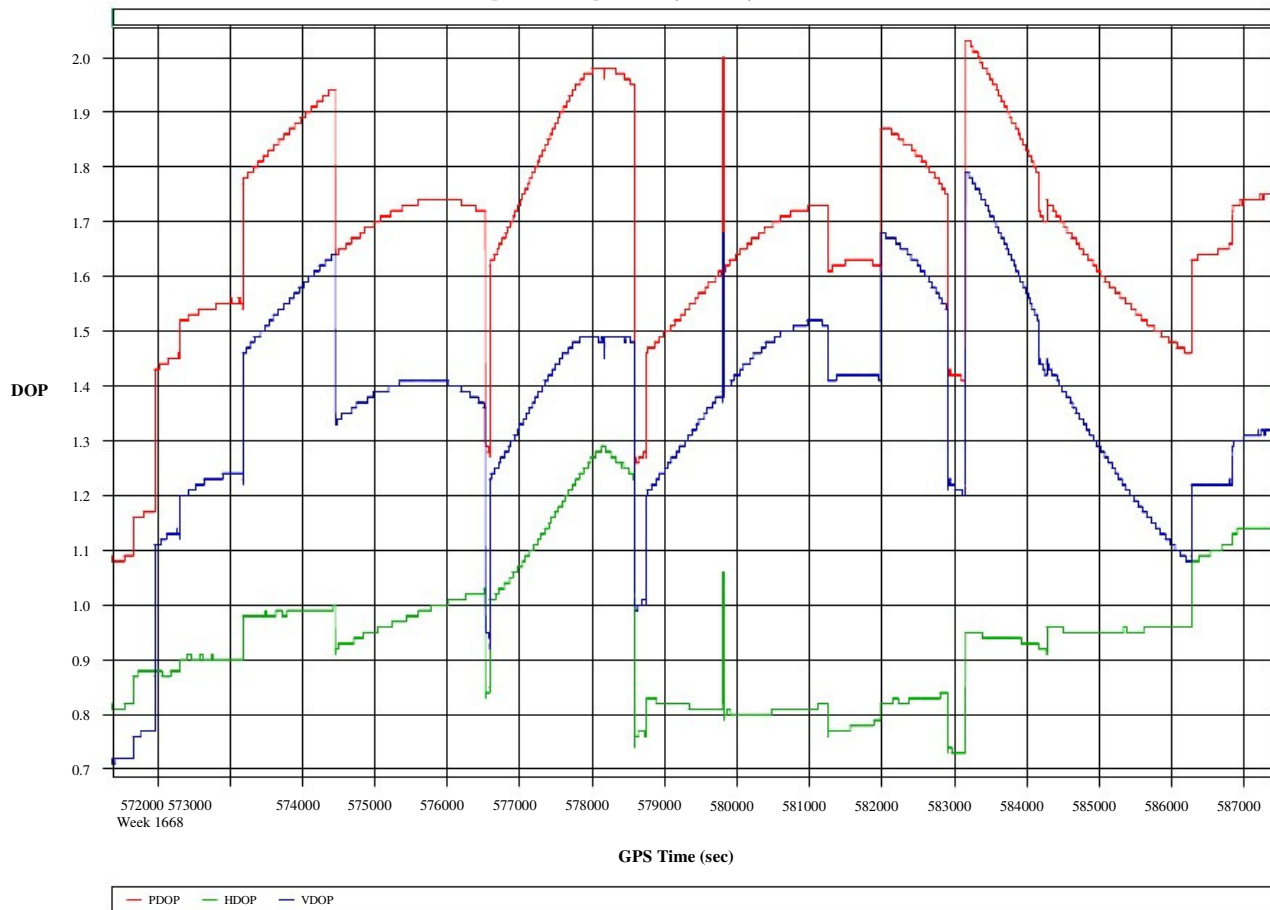
Combined - Map Run (5)



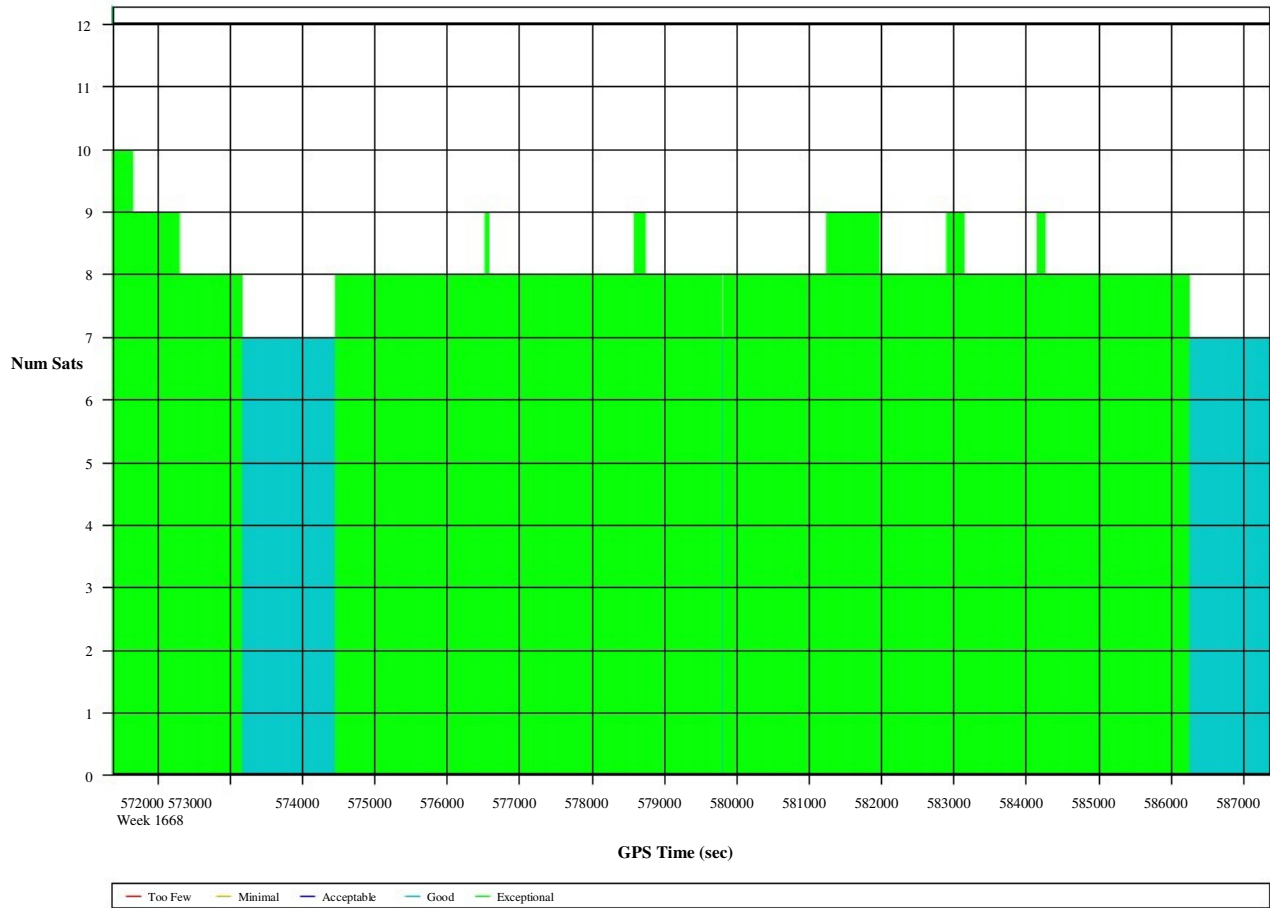
36511b [Combined] - Forward/Reverse or Combined Separation Plot



36511b [Combined] - PDOP, HDOP, VDOP Plots



36511b [Combined] - Number of Satellites Bar Plot



Processing Summary Information

Program: POSGPS
Version: 4.30.3108
Project: G:\Projects\COE\Tenn\2012\36511b\pos\GPS\36511b.gnv

Solution Type: Combined Fwd/Rev

Number of Epochs:
Total in GPB file: 160405
No processed position: 144394
Missing Fwd or Rev: 4
With bad C/A code: 0
With bad L1 Phase: 0

Measurement RMS Values:
L1 Phase:0.0197 (m)
C/A Code:1.03 (m)
L1 Doppler: 0.017 (m/s)

Fwd/Rev Separation RMS Values:
East:0.019 (m)
North:0.015 (m)
Height:0.027 (m)

Fwd/Rev Sep. RMS for 25%-75% weighting (16005 occurrences):
0.019 (m)East:
North:0.014 (m)
Height:0.025 (m)

Quality	Number Percentages:
Q	1: 100.0 %
Q	2:0.0 %
Q	3:0.0 %
Q	4:0.0 %
Q	5:0.0 %
Q	6:0.0 %

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:
DOP over Tol:0.0 %

Baseline Distances:
Maximum: 51.137 (km)
Minimum: 1.066 (km)
Average: 20.888 (km)
First Epoch: 14.736 (km)
Last Epoch: 44.714 (km)