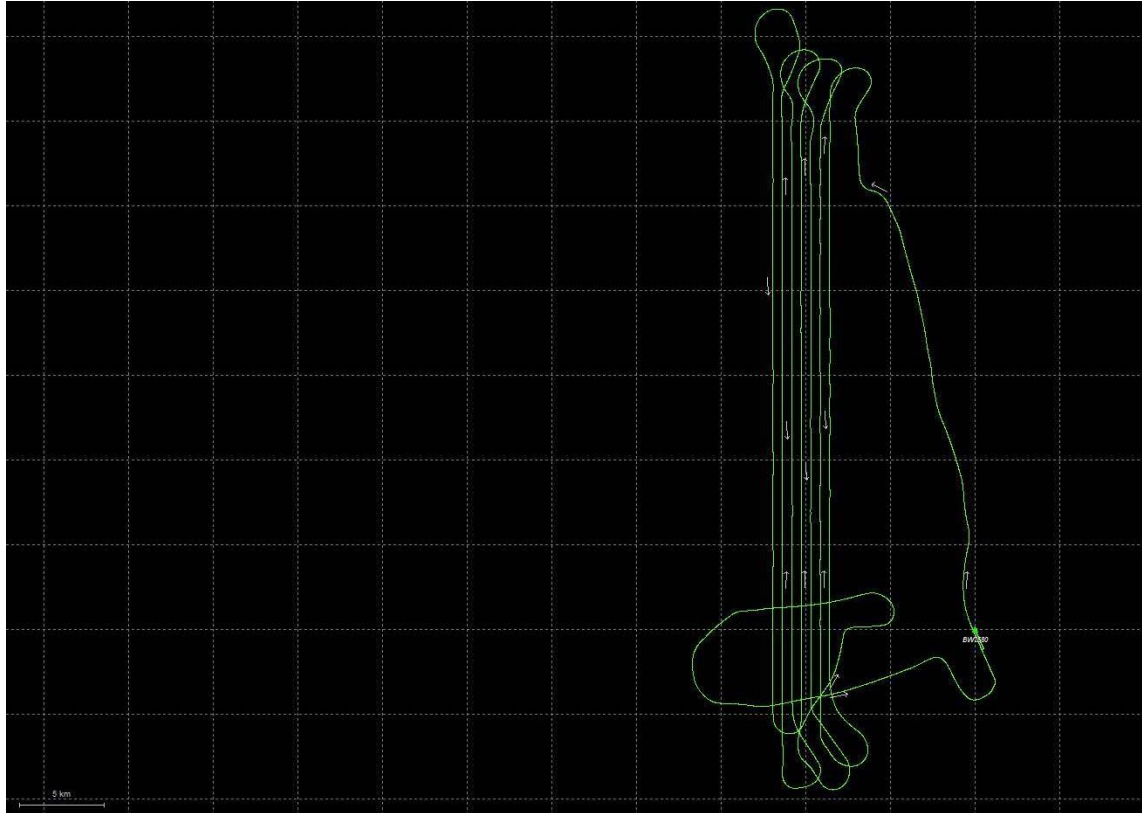
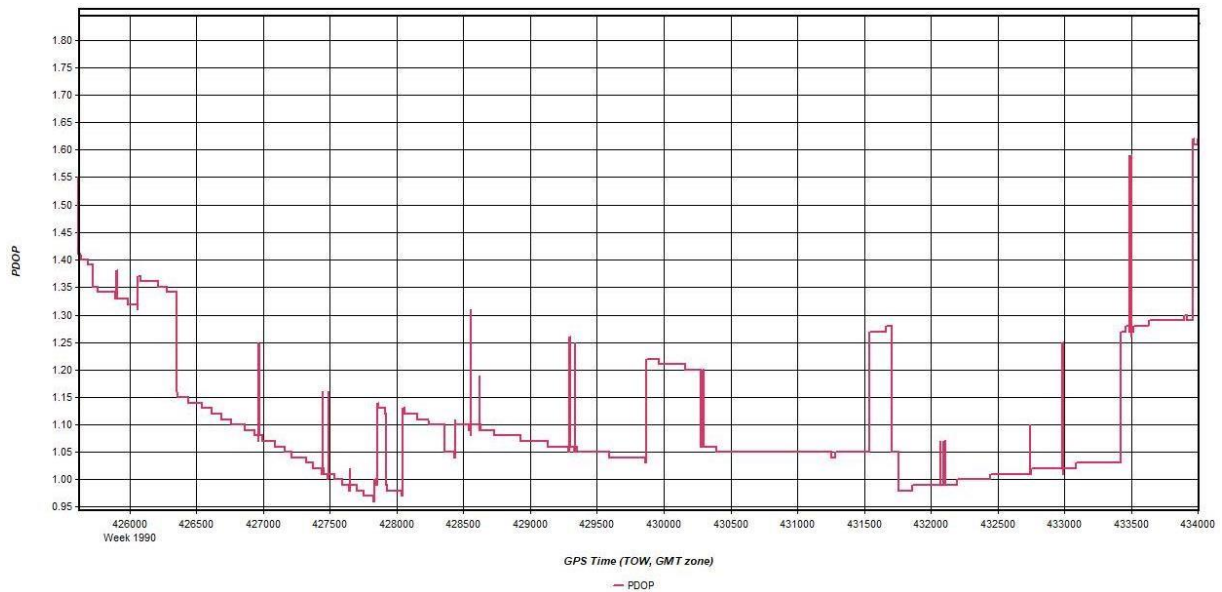


## APPENDIX A: GPS and IMU Processing Reports by Mission

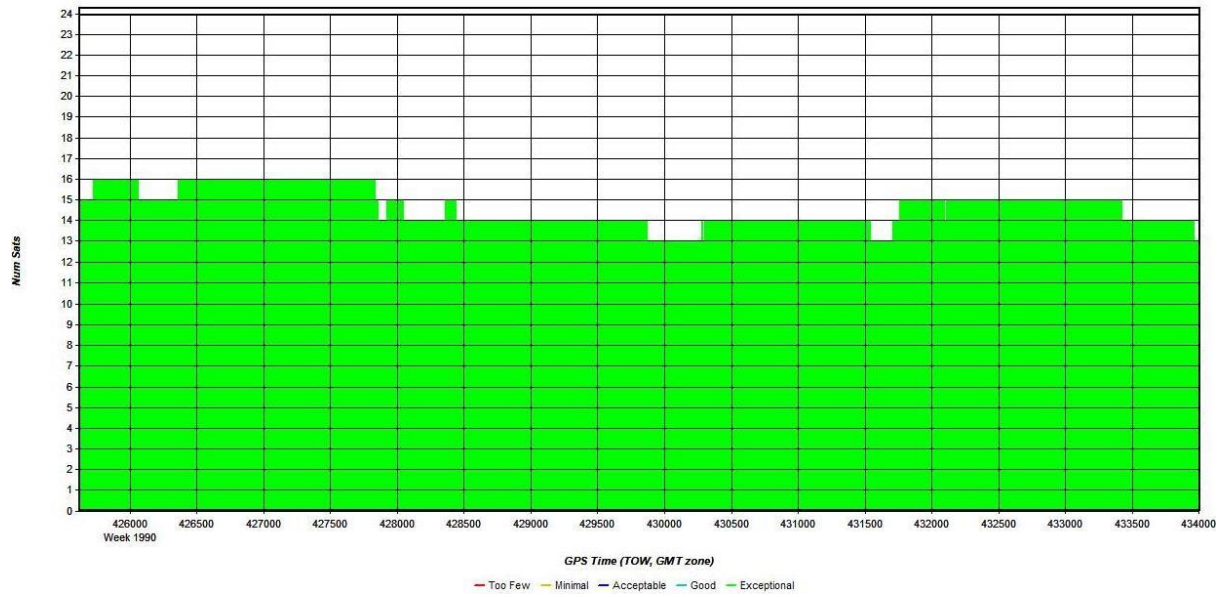
### Mission 1. Flight line trajectory



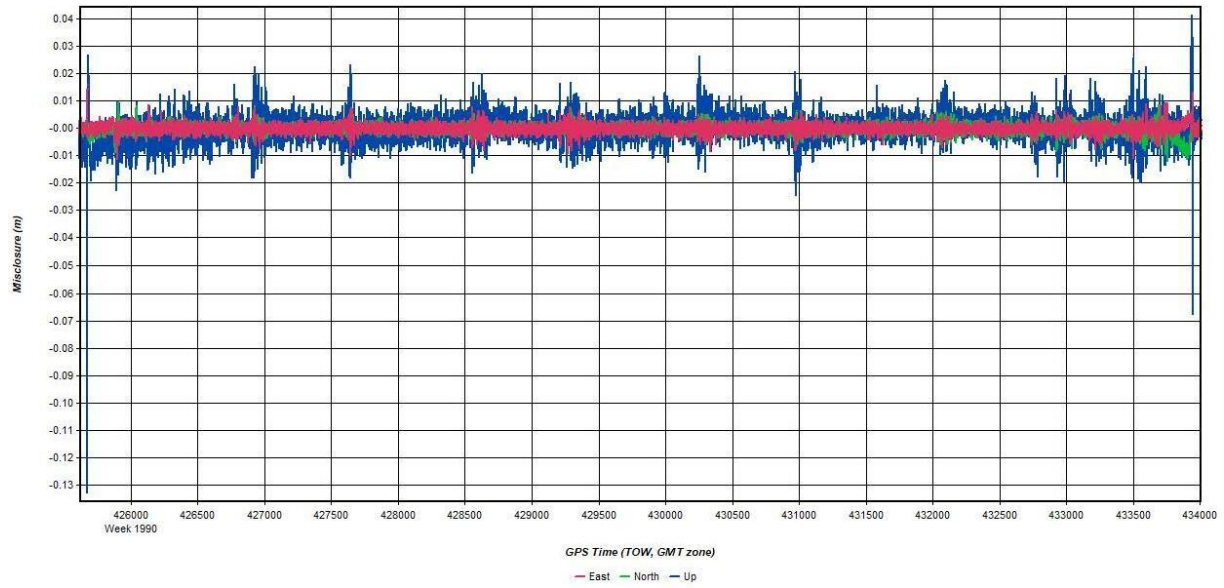
### Mission 1. PDOP



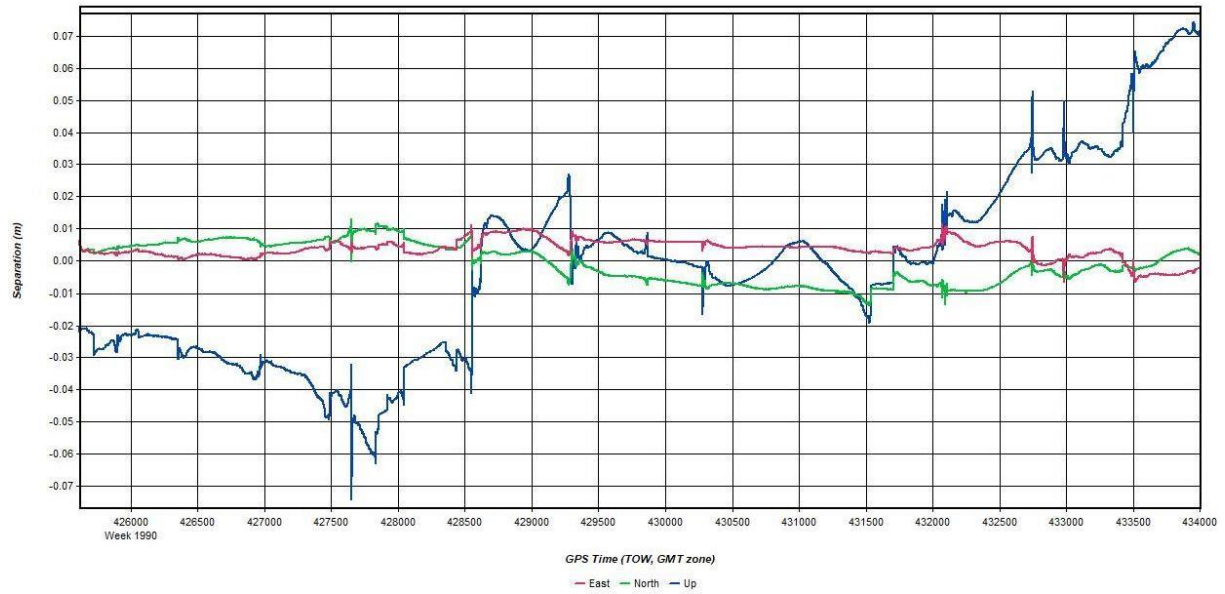
### Mission 1. Number of satellites



### Mission 1. GPS misclosure



### Mission 1. GPS separation



## Mission 1. Processing summary

### Processing Summary Information

Program: Inertial Explorer  
Version: 8.60.6717  
Project: Z:\2018\_03\00105-09\_Dewberry\_Amite\_Watershed\03\_Lidar\01\_Raw\_Data\M1\IE\_Files\IE\_Amite\_M1.cfg

Solution Type: Combined

#### Number of Epochs:

Total in GPB file:	16803
No processed position:	1
Missing Fwd or Rev:	3
With bad C/A code:	0
With bad L1 Phase:	0

#### Measurement RMS Values:

L1 Phase:	0.0155 (m)
C/A Code:	0.30 (m)
L1 Doppler:	0.029 (m/s)

#### Fwd/Rev Separation RMS Values:

East:	0.005 (m)
North:	0.006 (m)
Height:	0.029 (m)

#### Fwd/Rev Sep. RMS for dual FWD/REV fixes (16799 occurrences):

East:	0.005 (m)
North:	0.006 (m)
Height:	0.029 (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 %

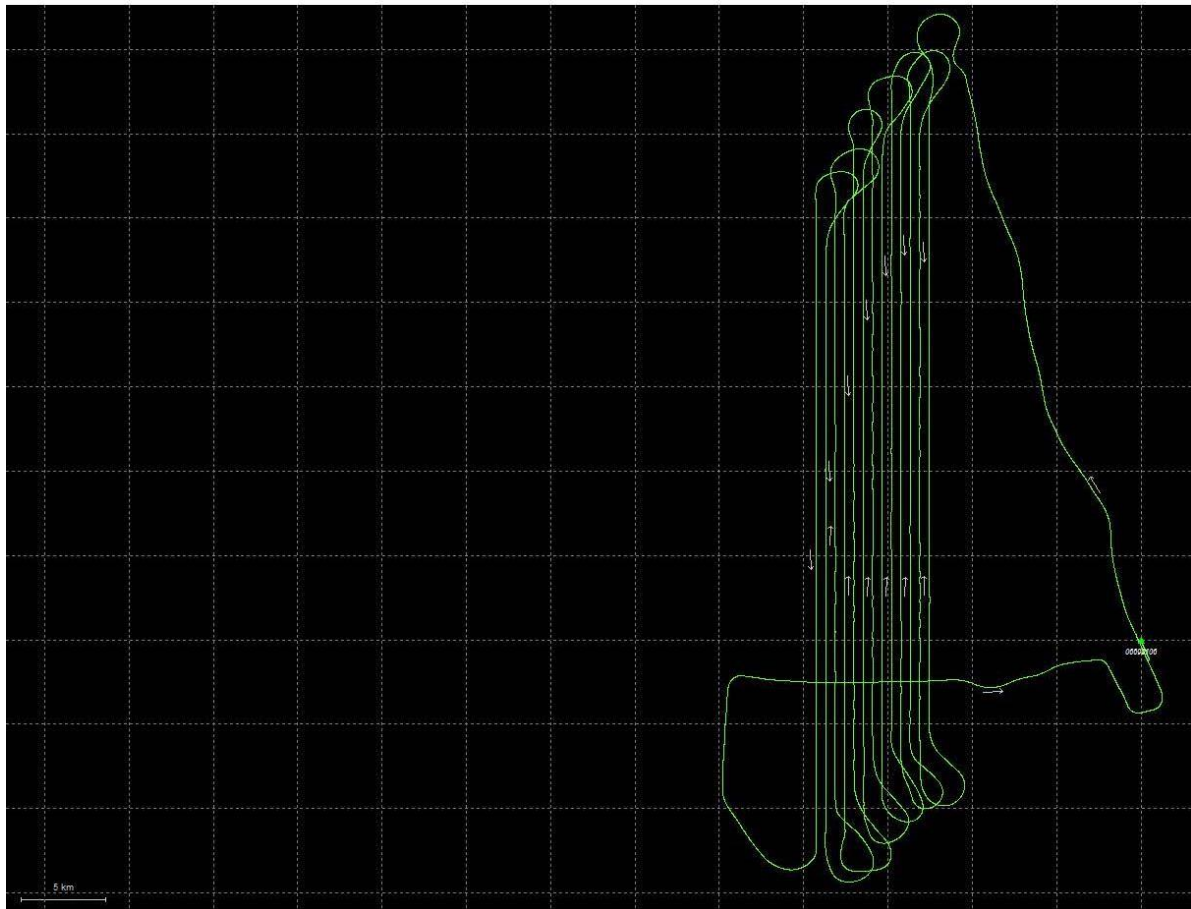
#### Percentages of epochs with DD\_DOP over 10.00:

DOP over Tol:	0.0 %
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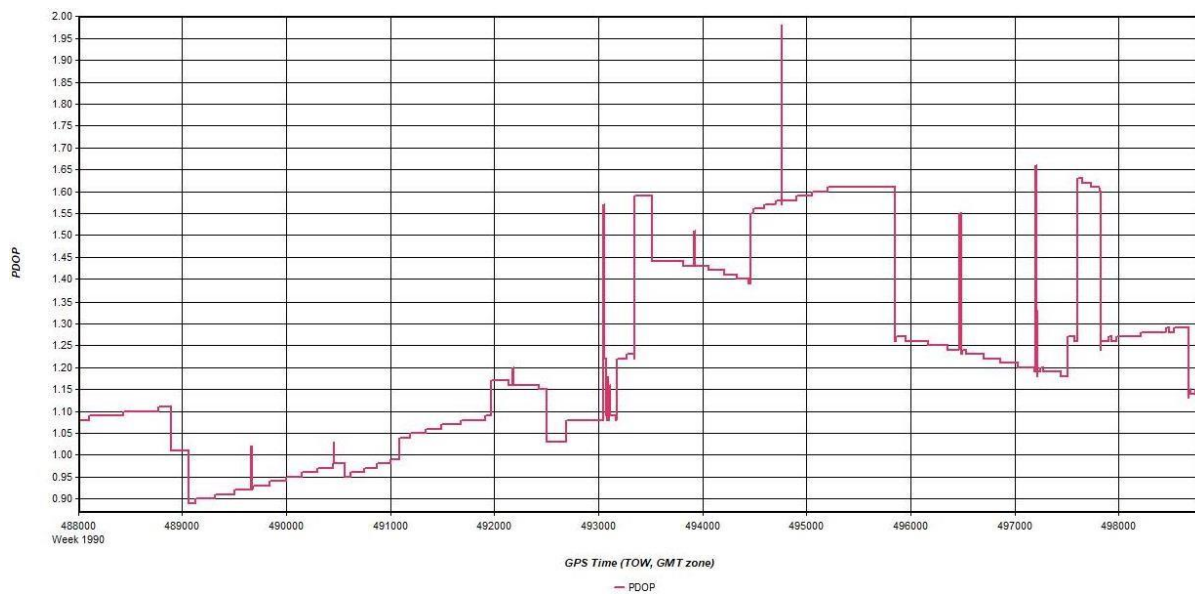
#### Baseline Distances:

Maximum:	38.311 (km)
Minimum:	0.015 (km)
Average:	15.725 (km)
First Epoch:	0.068 (km)
Last Epoch:	0.076 (km)

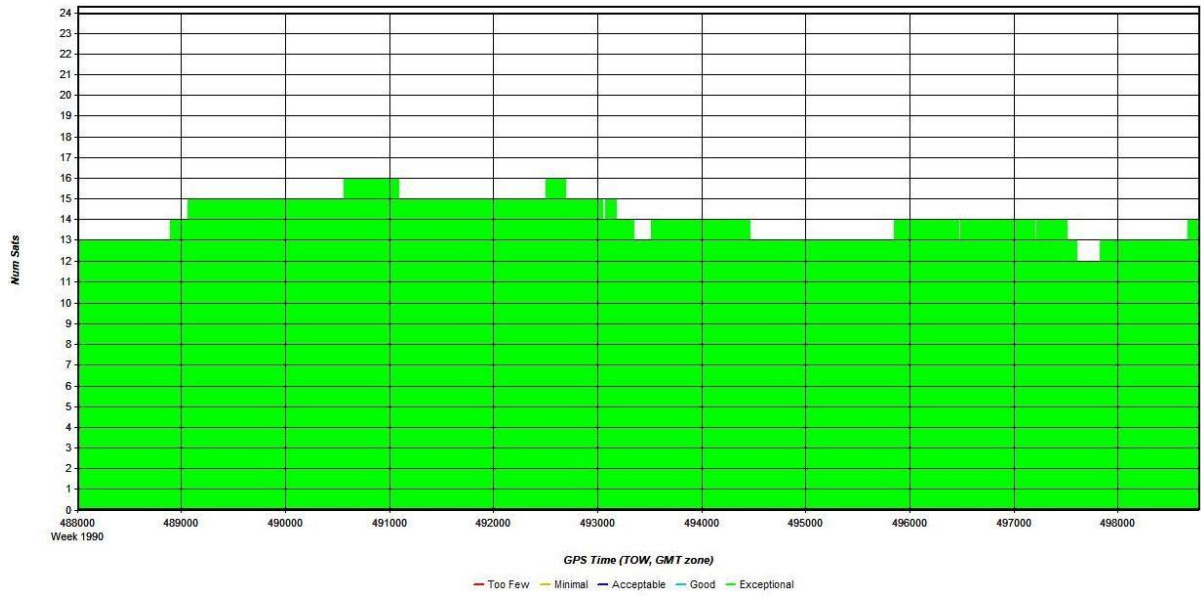
## Mission 2. Flight line trajectory



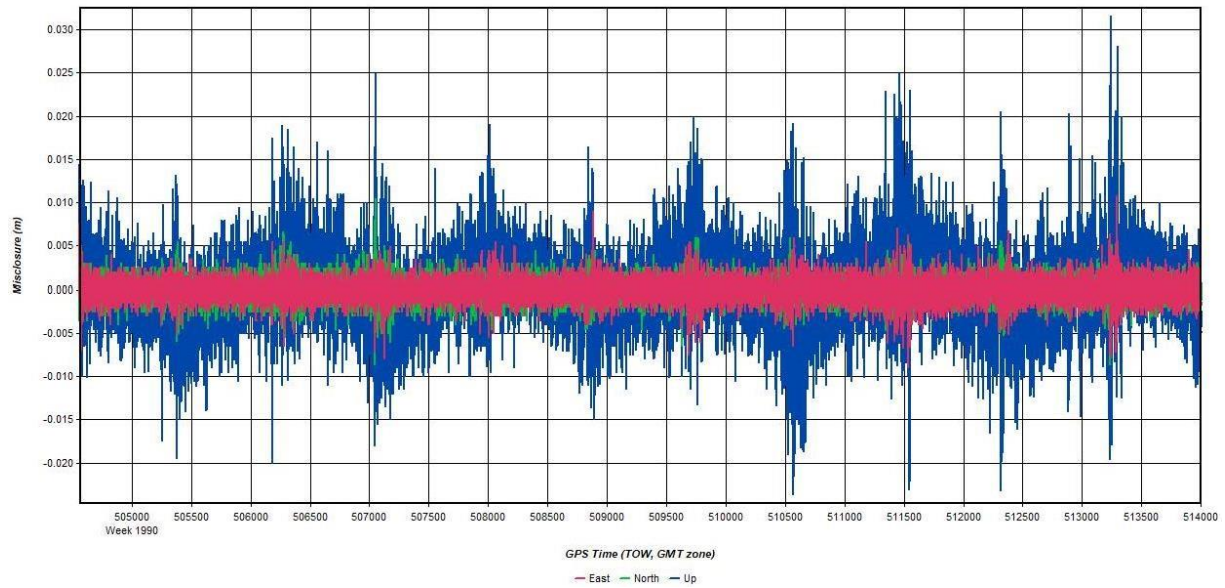
Mission 2. PDOP



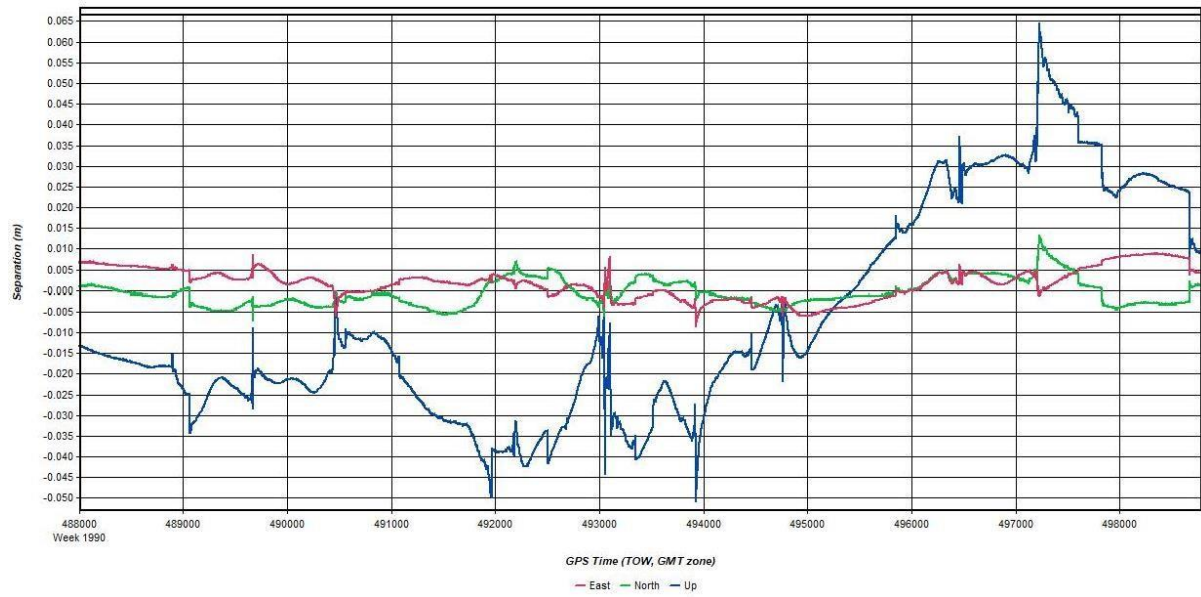
Mission 2. Number of satellites



### Mission 2. GPS misclosure



### Mission 2. GPS separation



## Mission 2. Processing summary

### Processing Summary Information

Program: Inertial Explorer  
Version: 8.60.6717  
Project: Z:\2018\_03\00105-09\_Dewberry\_Amite\_Watershed\03\_Lidar\01\_Raw\_Data\M2\IE\_Files\Amite\_M2.cfg

Solution Type: Combined

#### Number of Epochs:

Total in GPB file:	26974
No processed position:	1
Missing Fwd or Rev:	3
With bad C/A code:	0
With bad L1 Phase:	0

#### Measurement RMS Values:

L1 Phase:	0.0134 (m)
C/A Code:	0.34 (m)
L1 Doppler:	0.033 (m/s)

#### Fwd/Rev Separation RMS Values:

East:	0.006 (m)
North:	0.004 (m)
Height:	0.024 (m)

#### Fwd/Rev Sep. RMS for dual FWD/REV fixes (26970 occurrences):

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

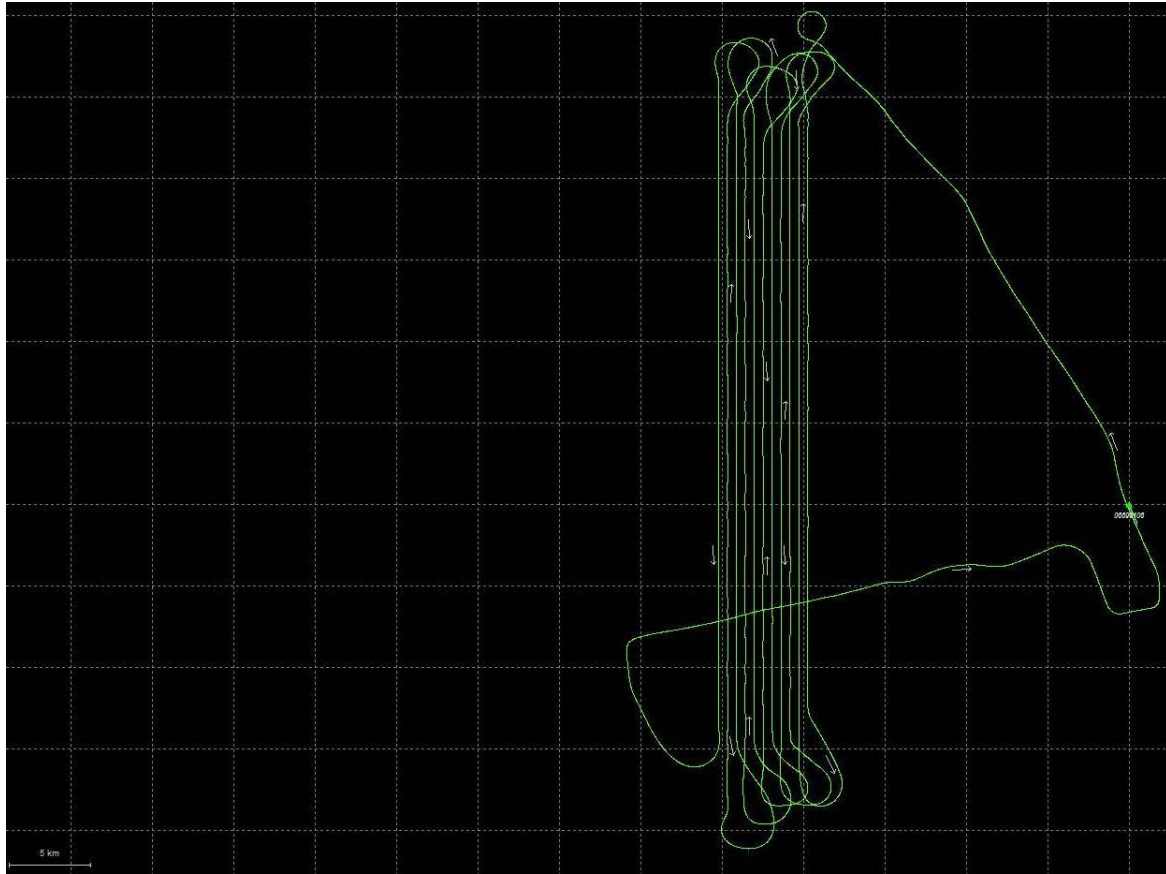
DOP over Tol:	0.0 %
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#### Baseline Distances:

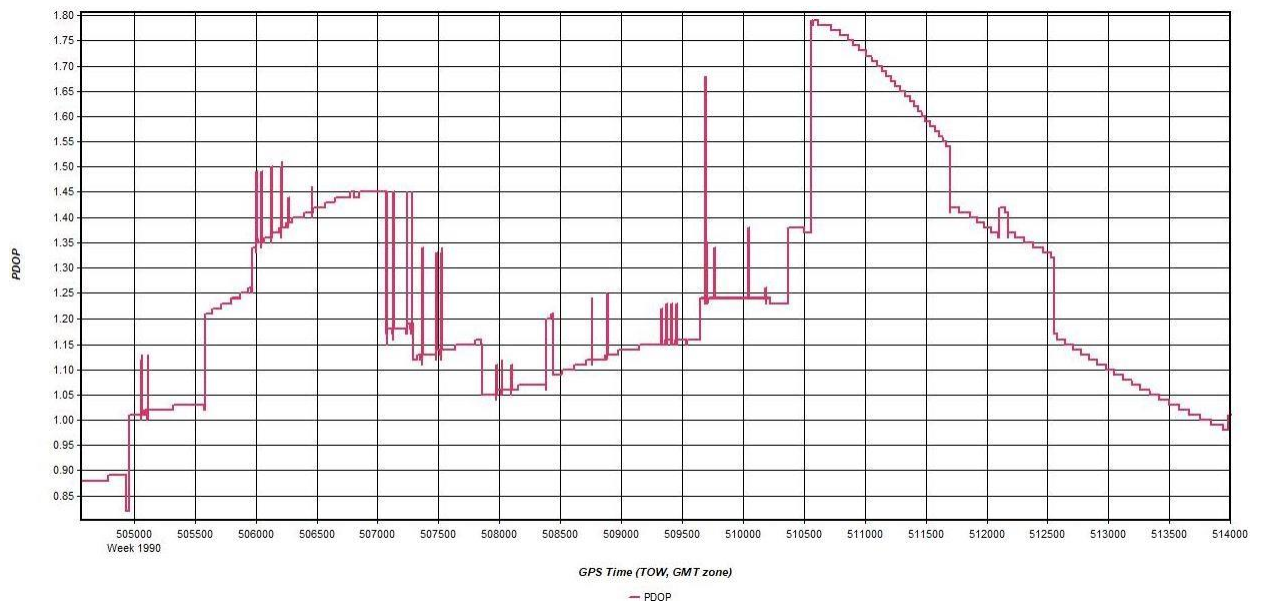
Maximum:	38.746 (km)
Minimum:	0.014 (km)
Average:	19.931 (km)
First Epoch:	0.090 (km)
Last Epoch:	0.060 (km)



### Mission 3. Flight line trajectory



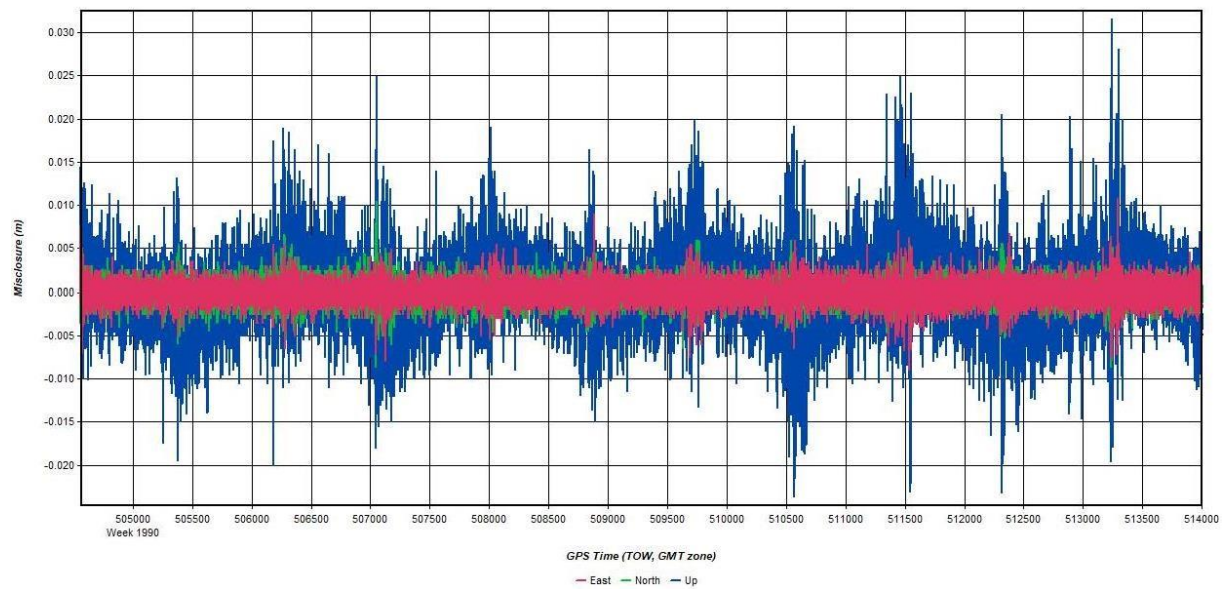
### Mission 3. PDOP



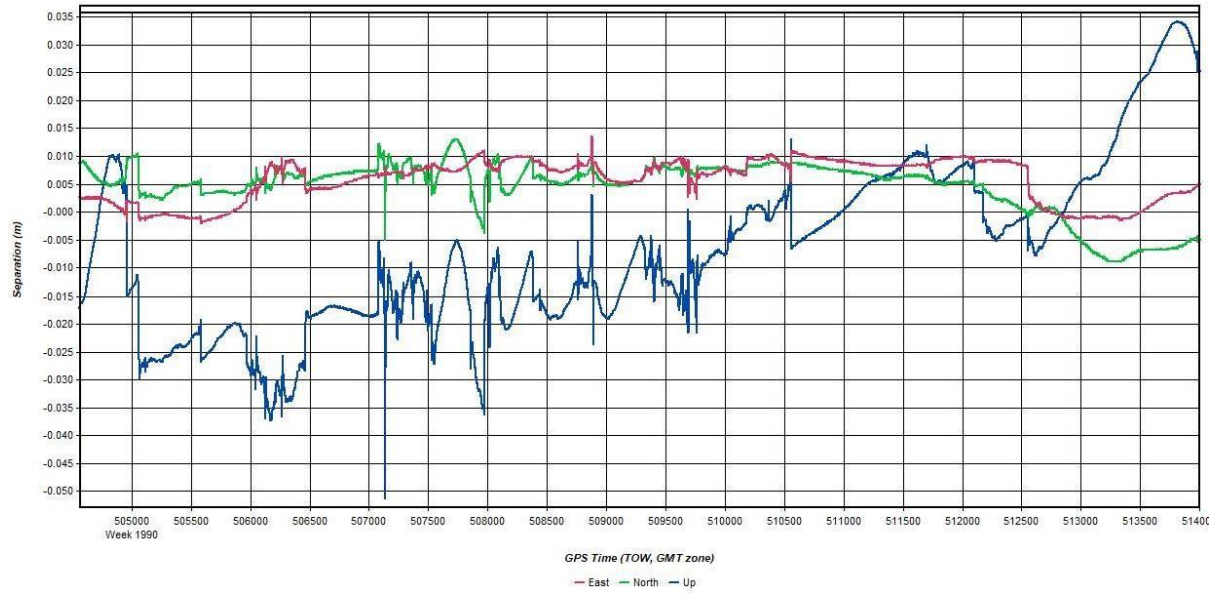
### Mission 3. Number of satellites



### Mission 3. GPS misclosure



### Mission 3. GPS separation



### Mission 3. Processing summary

#### Processing Summary Information

Program: Inertial Explorer  
Version: 8.60.6717  
Project: Z:\2018\_03\00105-09\_Dewberry\_Amite\_Watershed\03\_Lidar\01\_Raw\_Data\M3\IE\_Files\Amite\_M3.cfg

Solution Type: Combined

#### Number of Epochs:

Total in GPB file:	24462
No processed position:	1
Missing Fwd or Rev:	3
With bad C/A code:	0
With bad L1 Phase:	0

#### Measurement RMS Values:

L1 Phase:	0.0142 (m)
C/A Code:	0.33 (m)
L1 Doppler:	0.028 (m/s)

#### Fwd/Rev Separation RMS Values:

East:	0.006 (m)
North:	0.006 (m)
Height:	0.016 (m)

#### Fwd/Rev Sep. RMS for dual FWD/REV fixes (24458 occurrences):

East:	0.006 (m)
North:	0.006 (m)
Height:	0.016 (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 %

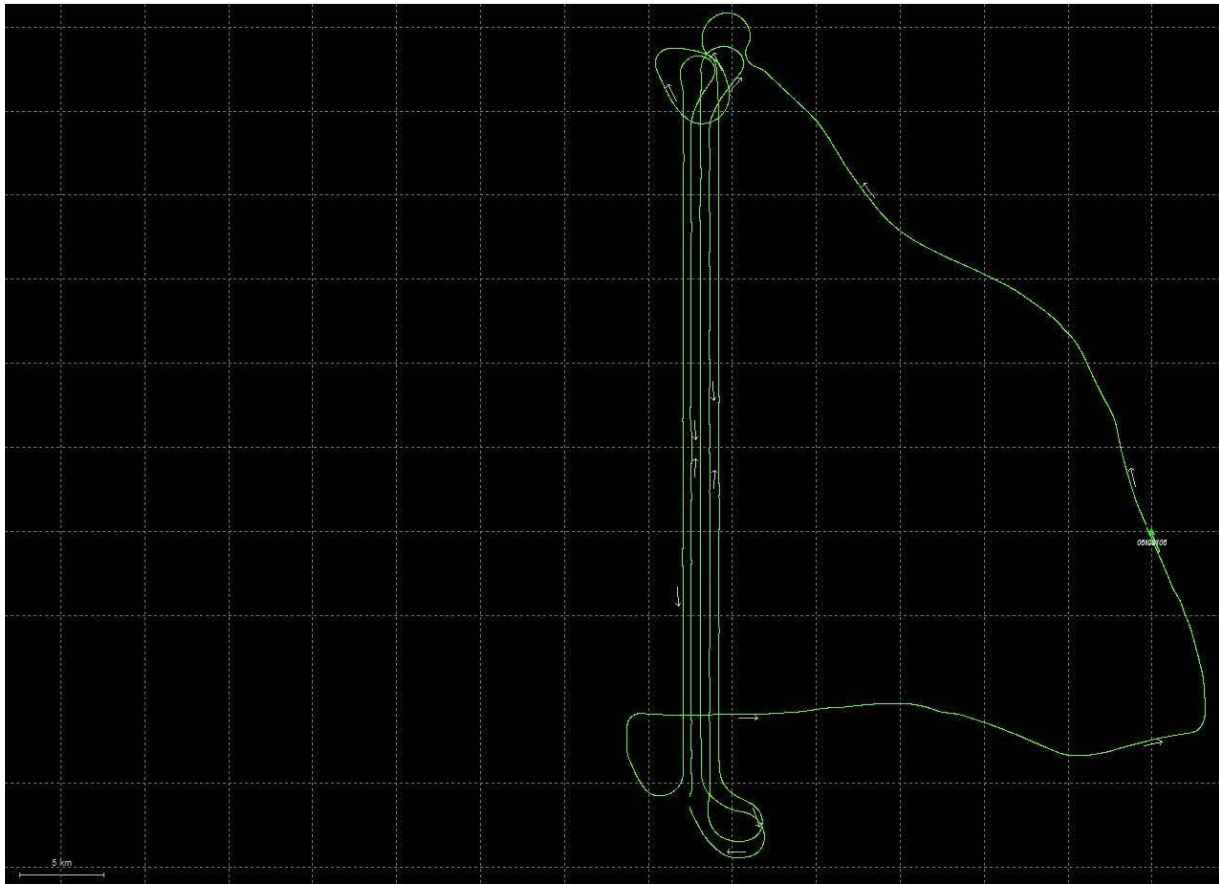
#### Percentages of epochs with DD\_DOP over 10.00:

DOP over Tol:	0.0 %
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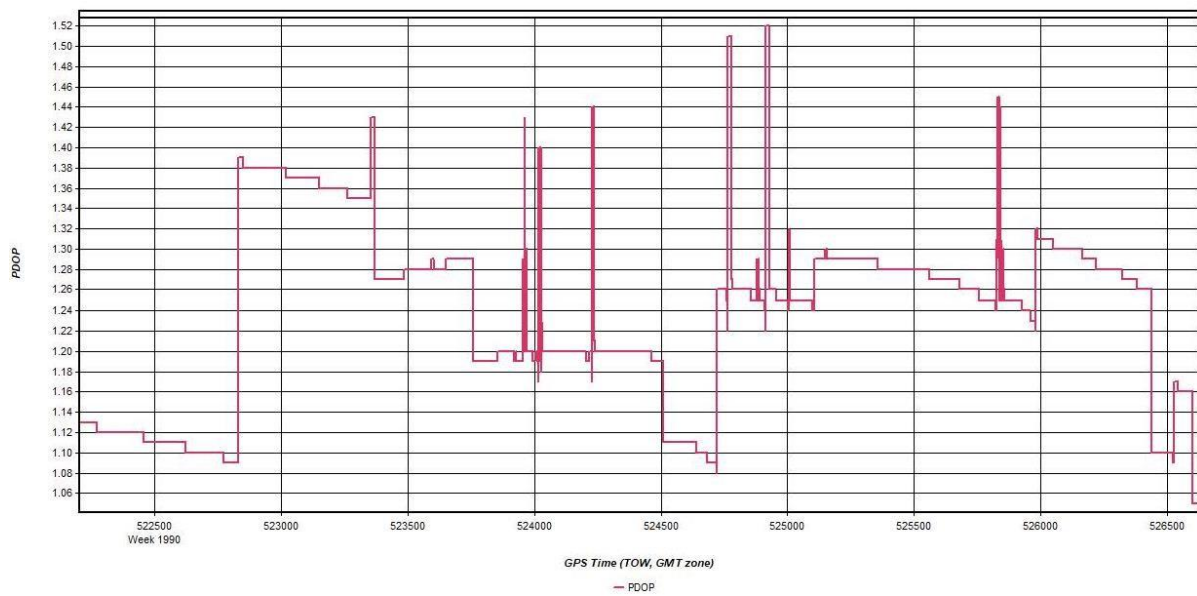
#### Baseline Distances:

Maximum:	37.487 (km)
Minimum:	0.016 (km)
Average:	23.235 (km)
First Epoch:	0.069 (km)
Last Epoch:	0.058 (km)

### Mission 4. Flight line trajectory



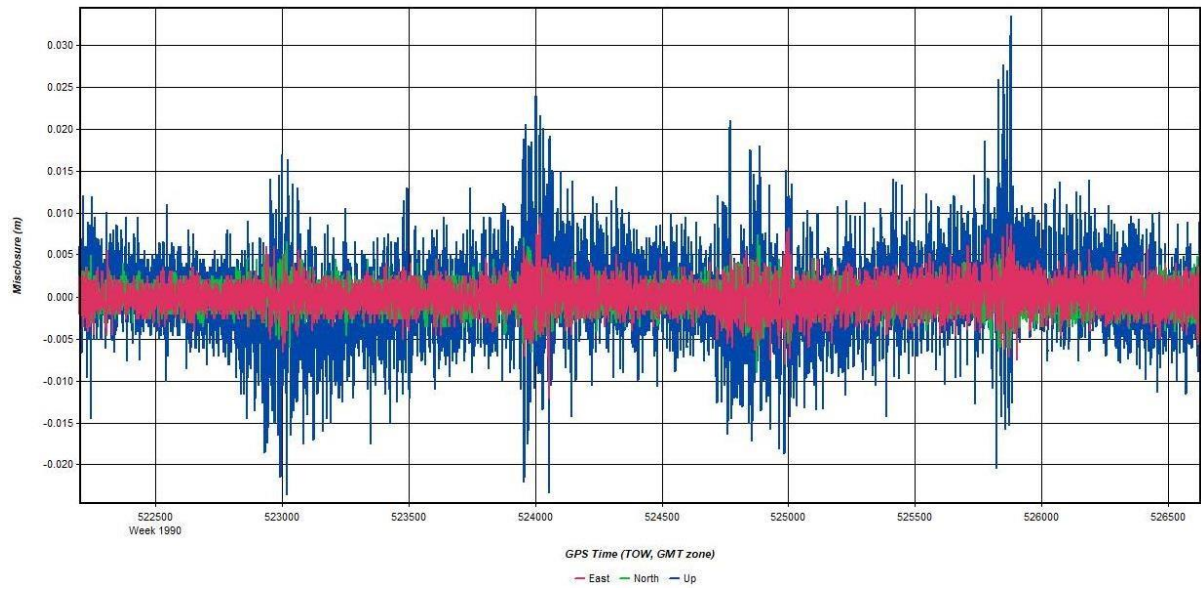
Mission 4. PDOP



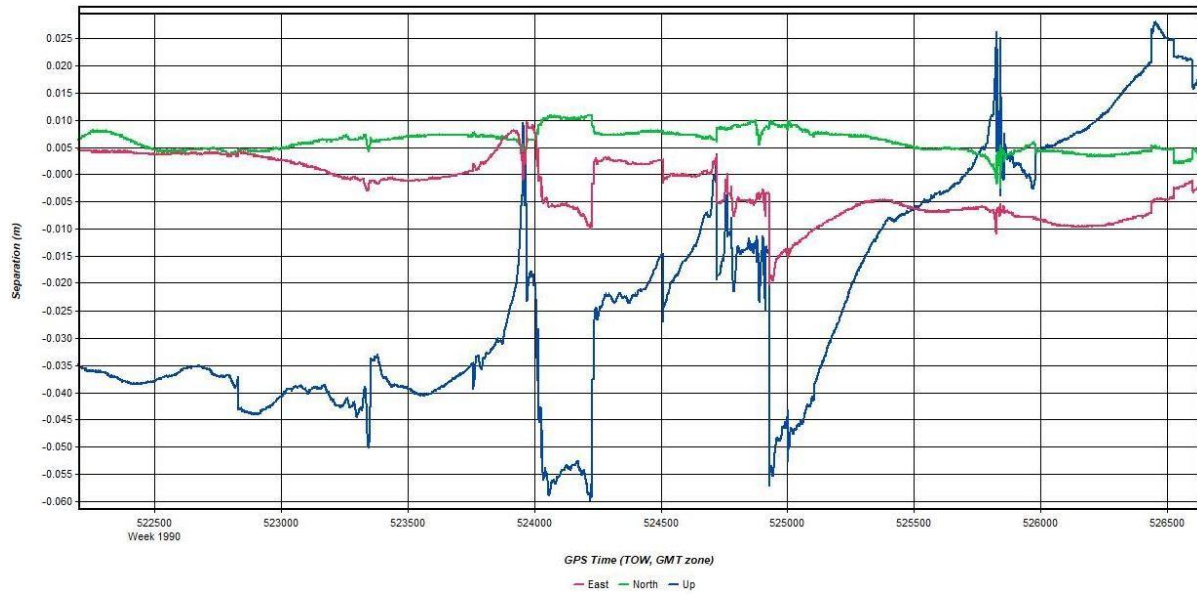
Mission 4. Number of satellites



#### Mission 4. GPS misclosure



#### Mission 4. GPS separation



## Mission 4. Processing summary

### Processing Summary Information

Program: Inertial Explorer  
Version: 8.60.6717  
Project: Q:\2018\_03\00105-09\_Dewberry\_Amite\_Watershed\03\_Lidar\01\_Raw\_Data\M4\IE\_Files\Amite\_M4.cfg

Solution Type: Combined

#### Number of Epochs:

Total in GPB file:	14884
No processed position:	5
Missing Fwd or Rev:	244
With bad C/A code:	0
With bad L1 Phase:	0

#### Measurement RMS Values:

L1 Phase:	0.0140 (m)
C/A Code:	0.34 (m)
L1 Doppler:	0.029 (m/s)

#### Fwd/Rev Separation RMS Values:

East:	0.002 (m)
North:	0.003 (m)
Height:	0.006 (m)

#### Fwd/Rev Sep. RMS for dual FWD/REV fixes (14635 occurrences):

East:	0.002 (m)
North:	0.003 (m)
Height:	0.006 (m)

#### Quality Number Percentages:

Q 1:	55.0 %
Q 2:	39.1 %
Q 3:	5.8 %
Q 4:	0.1 %
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:

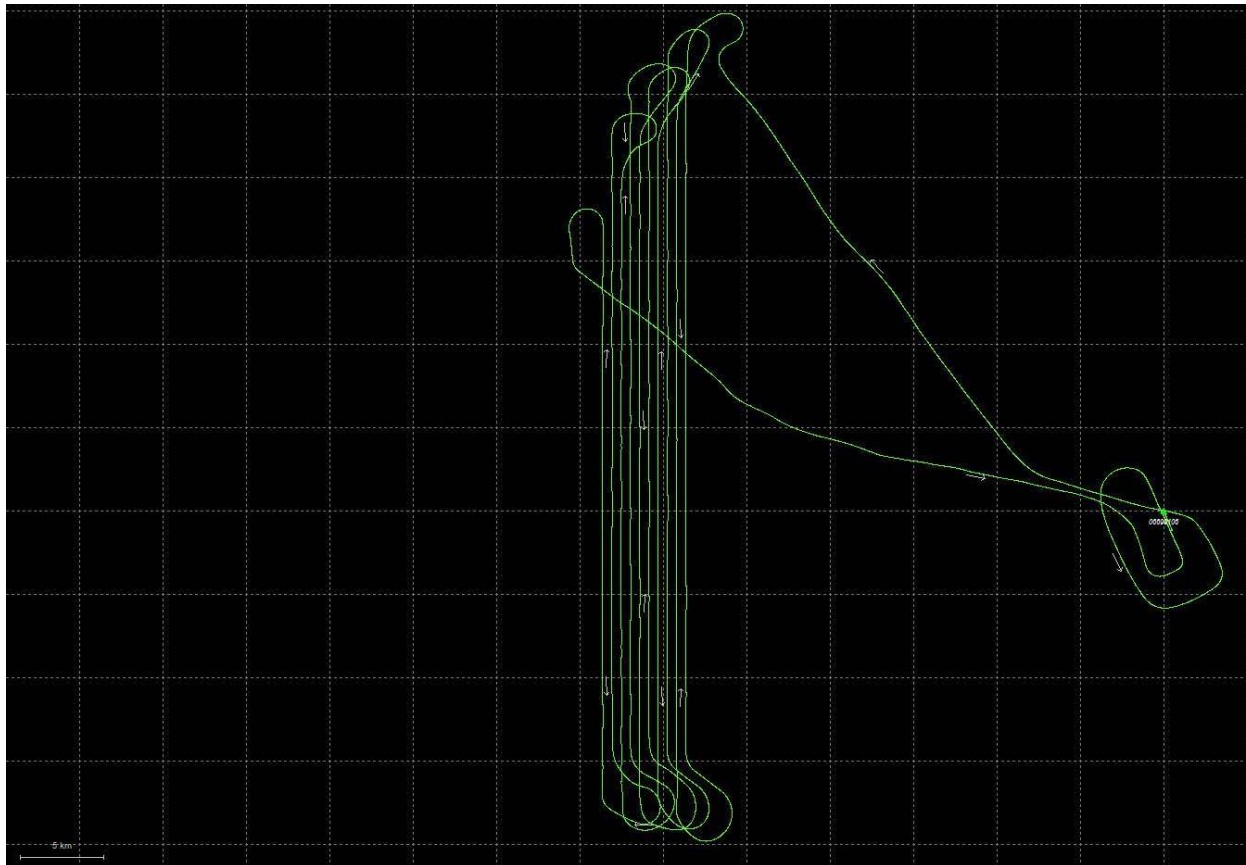
DOP over Tol:	0.0 %
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#### Baseline Distances:

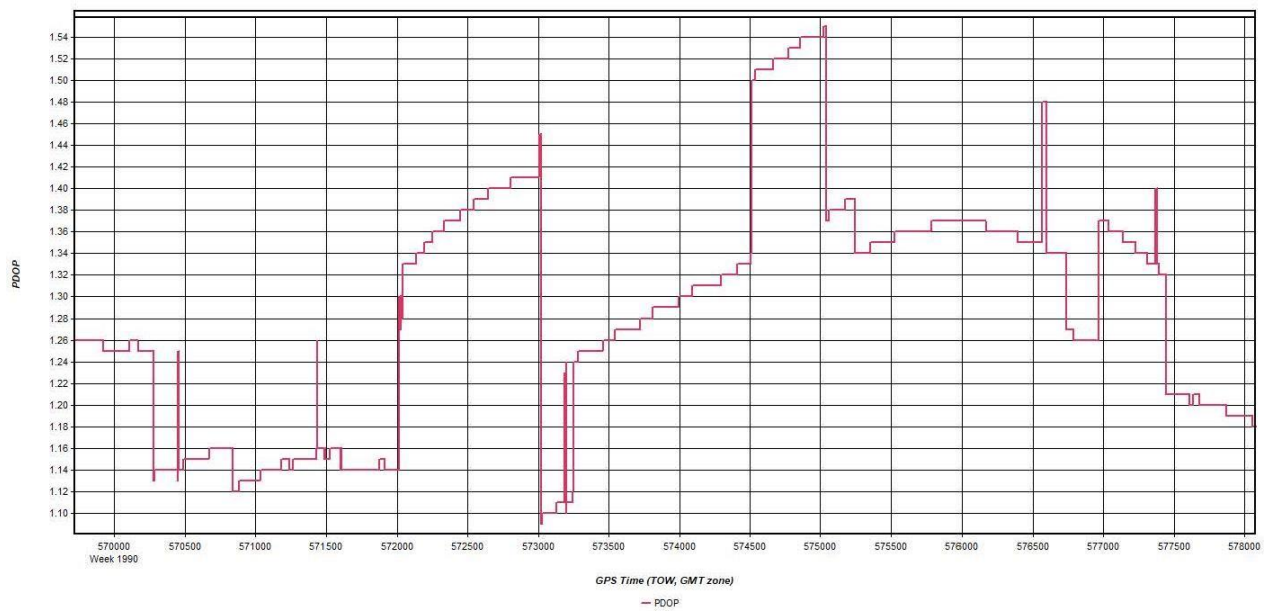
Maximum:	40.779 (km)
Minimum:	0.017 (km)
Average:	24.406 (km)
First Epoch:	0.084 (km)
Last Epoch:	0.093 (km)

## Mission 5. Flight line trajectory

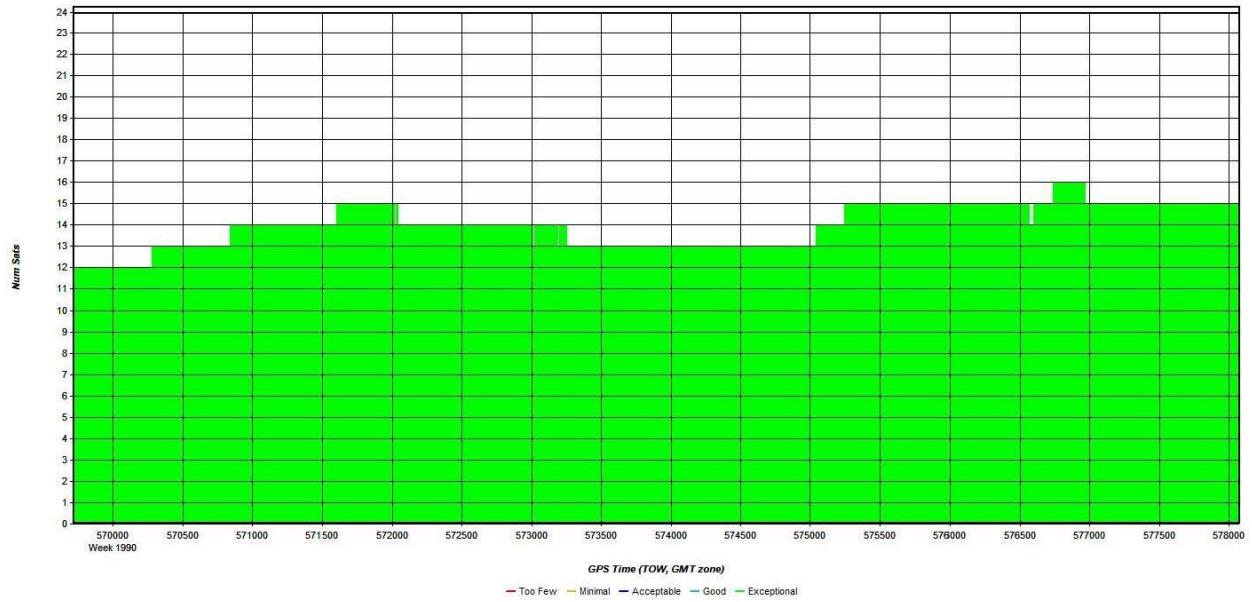




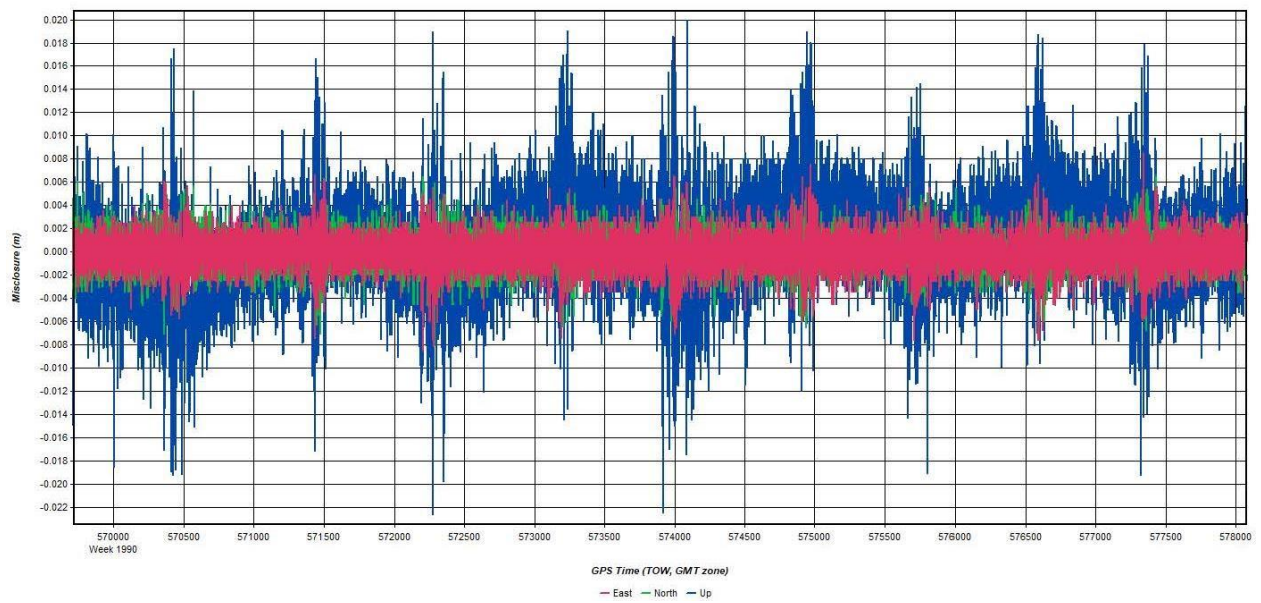
Mission 5. PDOP



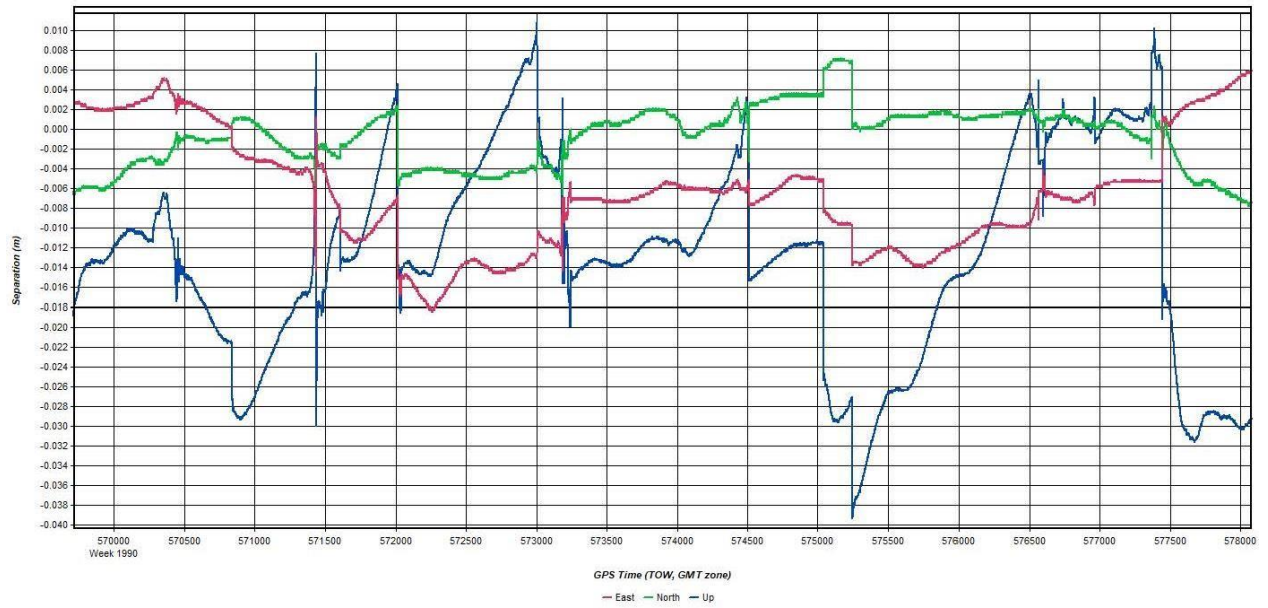
Mission 5. Number of satellites



### Mission 5. GPS misclosure



### Mission 5. GPS separation



## Mission 5. Processing summary

### Processing Summary Information

Program: Inertial Explorer  
Version: 8.60.6717  
Project: Q:\2018\_03\00105-09\_Dewberry\_Amite\_Watershed\03\_Lidar\01\_Raw\_Data\M5\IE\_Files2\Amite\_M5.cfg

Solution Type: Combined

#### Number of Epochs:

Total in GPB file:	23136
No processed position:	3
Missing Fwd or Rev:	3
With bad C/A code:	0
With bad L1 Phase:	0

#### Measurement RMS Values:

L1 Phase:	0.0147 (m)
C/A Code:	0.32 (m)
L1 Doppler:	0.032 (m/s)

#### Fwd/Rev Separation RMS Values:

East:	0.008 (m)
North:	0.004 (m)
Height:	0.015 (m)

#### Fwd/Rev Sep. RMS for dual FWD/REV fixes (23130 occurrences):

East:	0.008 (m)
North:	0.004 (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 %

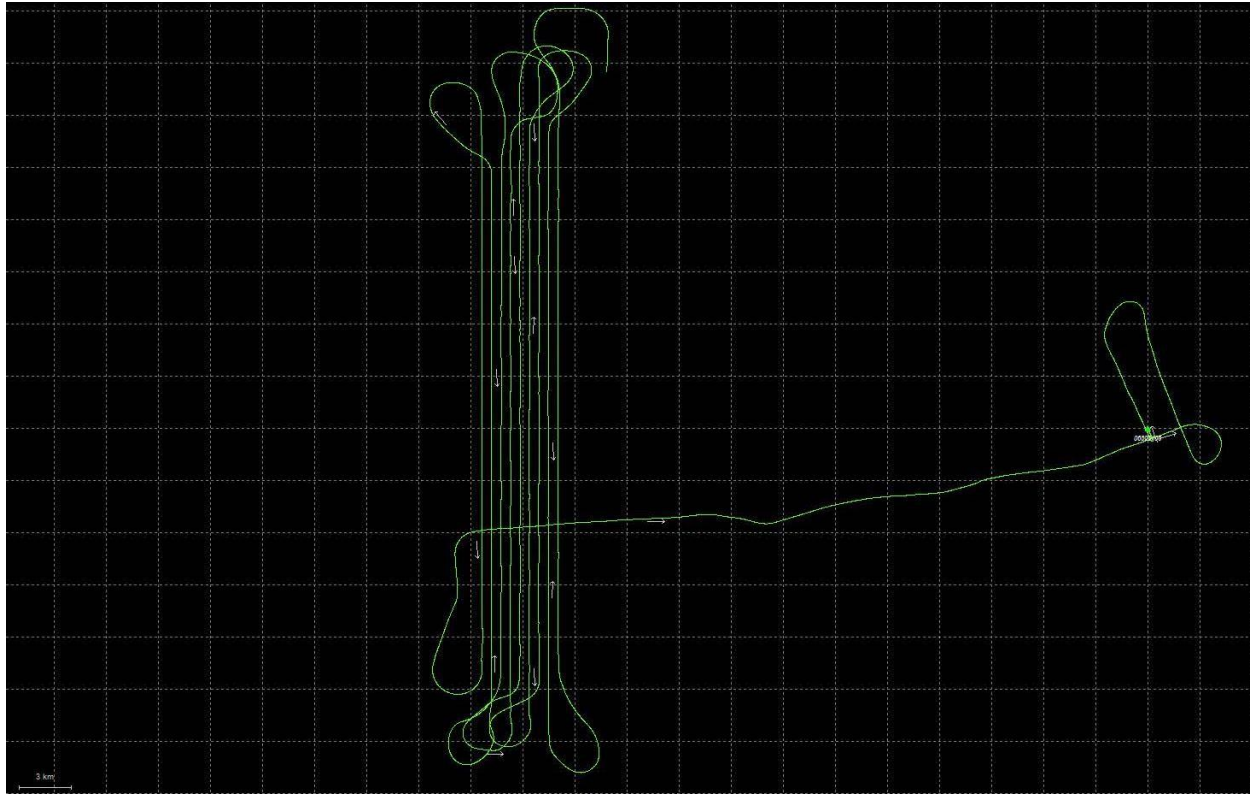
#### Percentages of epochs with DD\_DOP over 10.00:

DOP over Tol:	0.0 %
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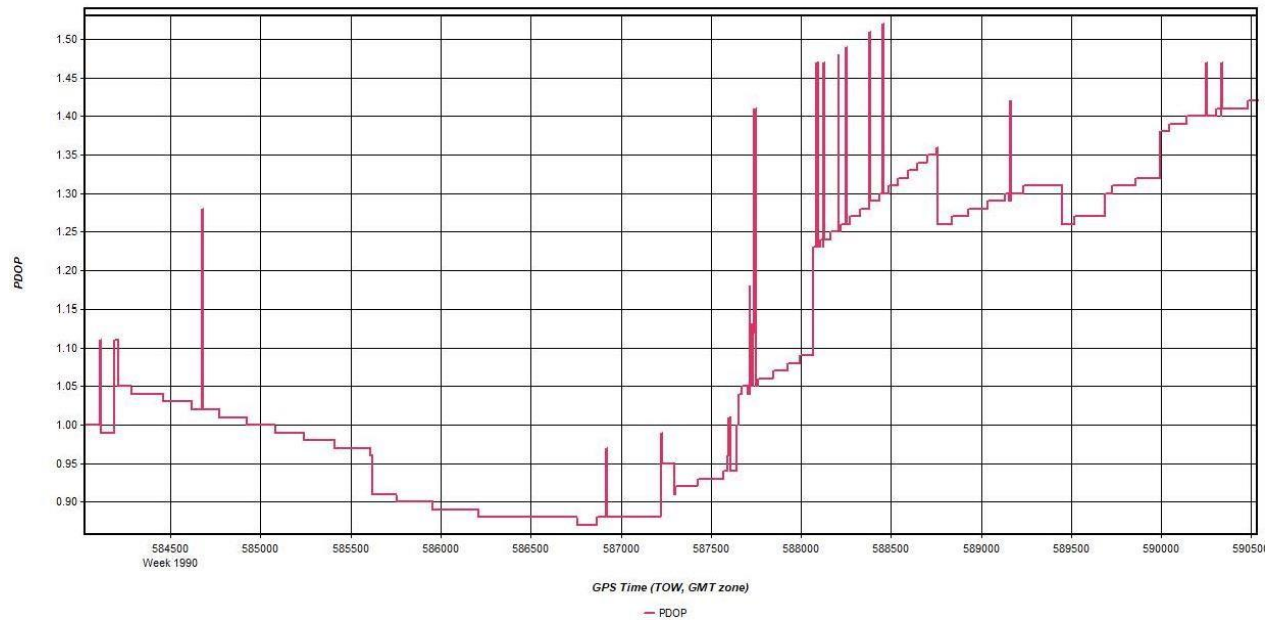
#### Baseline Distances:

Maximum:	40.806 (km)
Minimum:	0.015 (km)
Average:	27.851 (km)
First Epoch:	0.059 (km)
Last Epoch:	0.025 (km)

### Mission 6. Flight line trajectory



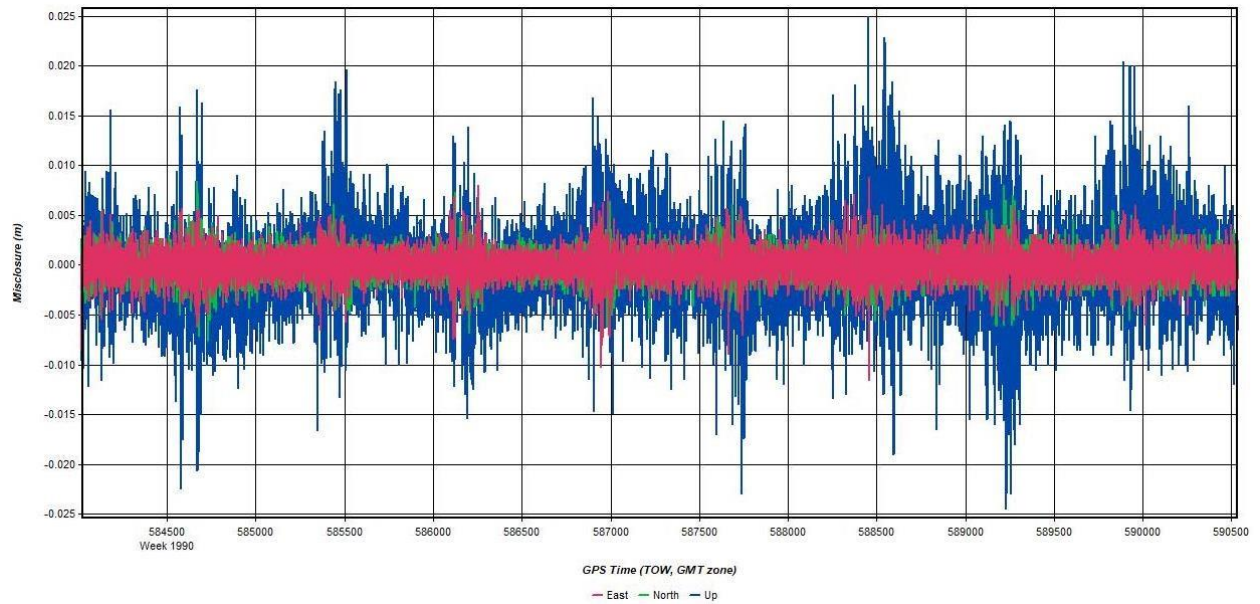
### Mission 6. PDOP



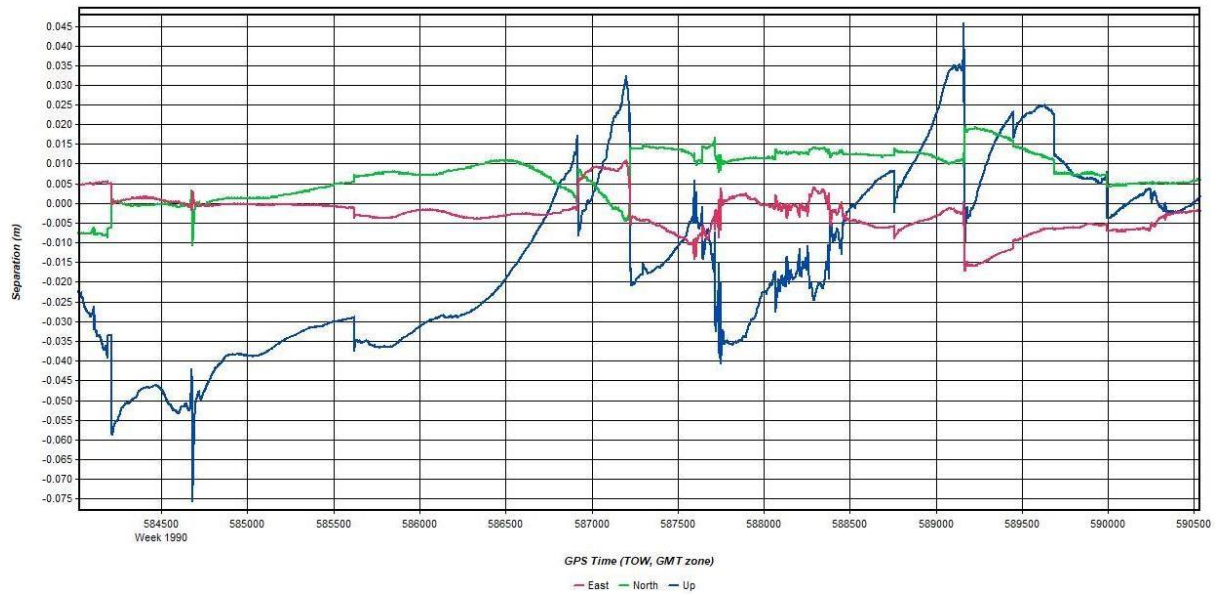
### Mission 6. Number of satellites



### Mission 6. GPS misclosure



### Mission 6. GPS separation



## Mission 6. Processing summary

### Processing Summary Information

Program: Inertial Explorer  
Version: 8.60.6717  
Project: Z:\2018\_03\00105-09\_Dewberry\_Amite\_Watershed\03\_Lidar\01\_Raw\_Data\M6\IE\_Files\Amite\_M6.cfg

Solution Type: Combined

#### Number of Epochs:

Total in GPB file:	17173
No processed position:	1
Missing Fwd or Rev:	3
With bad C/A code:	0
With bad L1 Phase:	0

#### Measurement RMS Values:

L1 Phase:	0.0154 (m)
C/A Code:	0.32 (m)
L1 Doppler:	0.029 (m/s)

#### Fwd/Rev Separation RMS Values:

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

#### Fwd/Rev Sep. RMS for dual FWD/REV fixes (17167 occurrences):

East:	0.005 (m)
North:	0.009 (m)
Height:	0.024 (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:

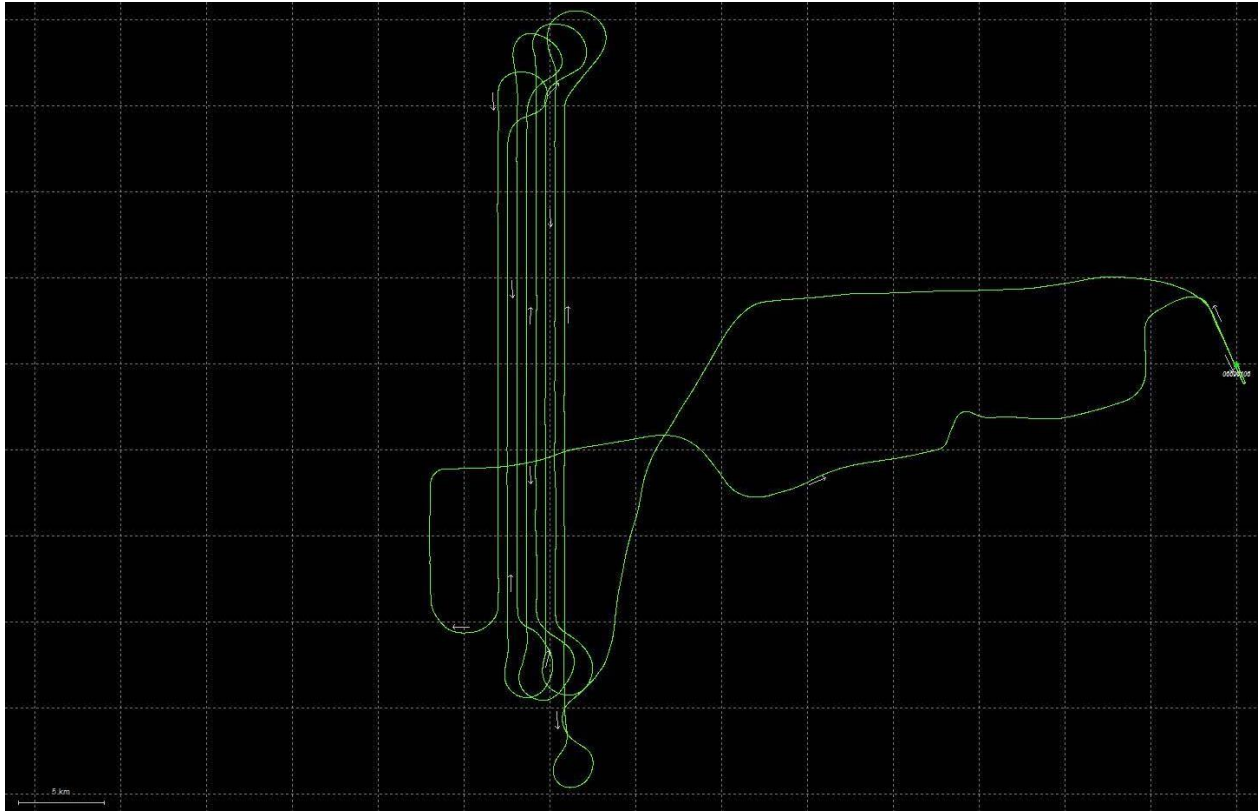
DOP over Tol:	0.0 %
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#### Baseline Distances:

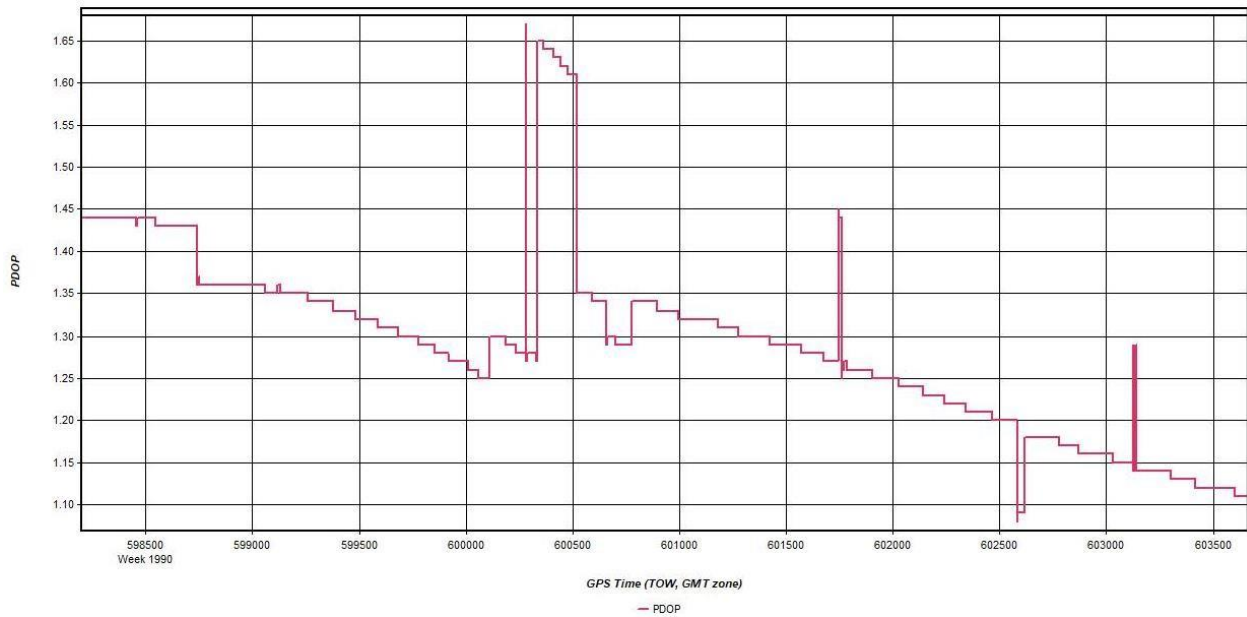
Maximum:	45.500 (km)
Minimum:	0.019 (km)
Average:	32.876 (km)
First Epoch:	37.305 (km)
Last Epoch:	0.104 (km)

## Mission 7. Flight line trajectory





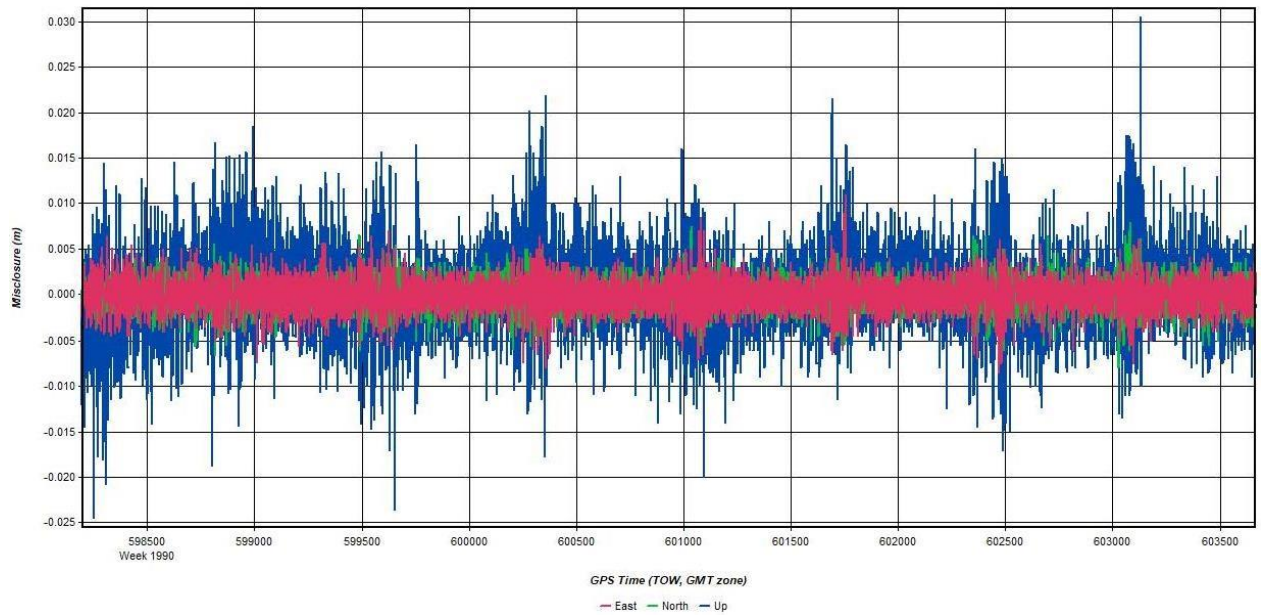
Mission 7. PDOP



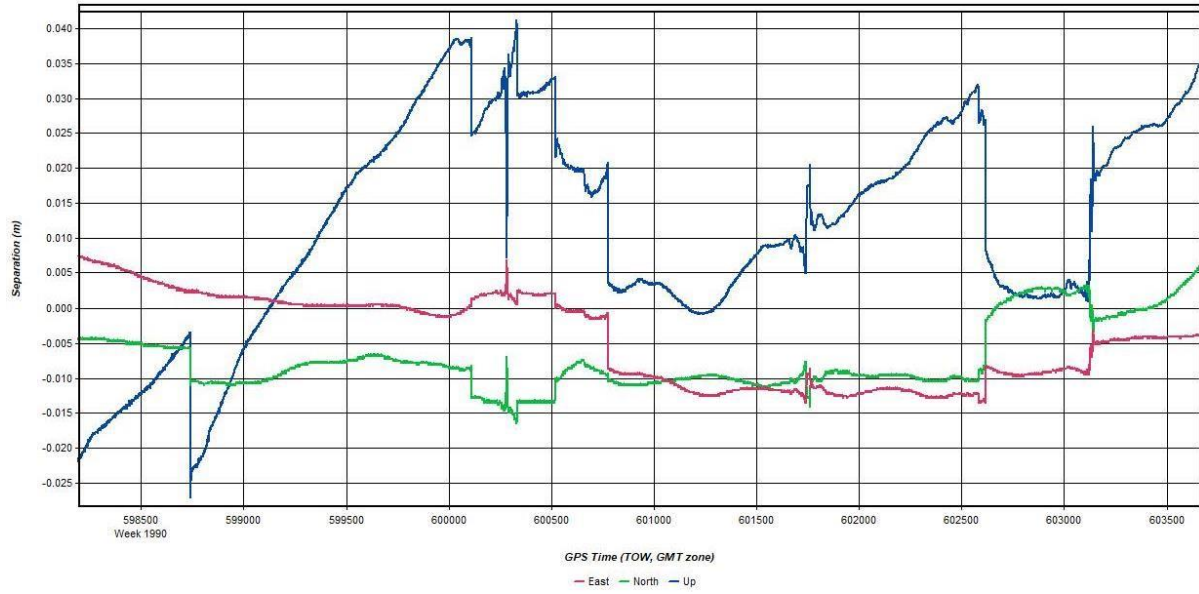
Mission 7. Number of satellites



### Mission 7. GPS misclosure



### Mission 7. GPS separation



## Mission 7. Processing summary

### Processing Summary Information

Program: Inertial Explorer  
Version: 8.60.6717  
Project: Z:\2018\_03\00105-09\_Dewberry\_Amite\_Watershed\03\_Lidar\01\_Raw\_Data\M7\IE\_Files\Amite\_M7.cfg

Solution Type: Combined

#### Number of Epochs:

Total in GPB file:	18096
No processed position:	1
Missing Fwd or Rev:	3
With bad C/A code:	0
With bad L1 Phase:	0

#### Measurement RMS Values:

L1 Phase:	0.0165 (m)
C/A Code:	0.30 (m)
L1 Doppler:	0.027 (m/s)

#### Fwd/Rev Separation RMS Values:

East:	0.008 (m)
North:	0.010 (m)
Height:	0.017 (m)

#### Fwd/Rev Sep. RMS for dual FWD/REV fixes (18092 occurrences):

East:	0.008 (m)
North:	0.010 (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 %
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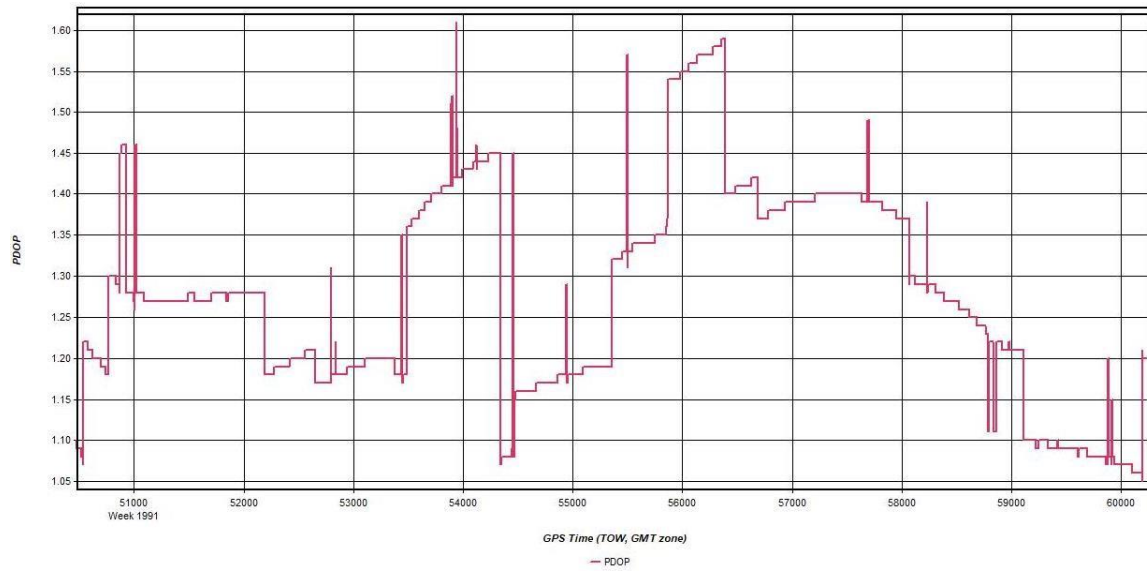
#### Baseline Distances:

Maximum:	48.748 (km)
Minimum:	0.017 (km)
Average:	33.033 (km)
First Epoch:	0.051 (km)
Last Epoch:	0.094 (km)

## Mission 8. Flight line trajectory



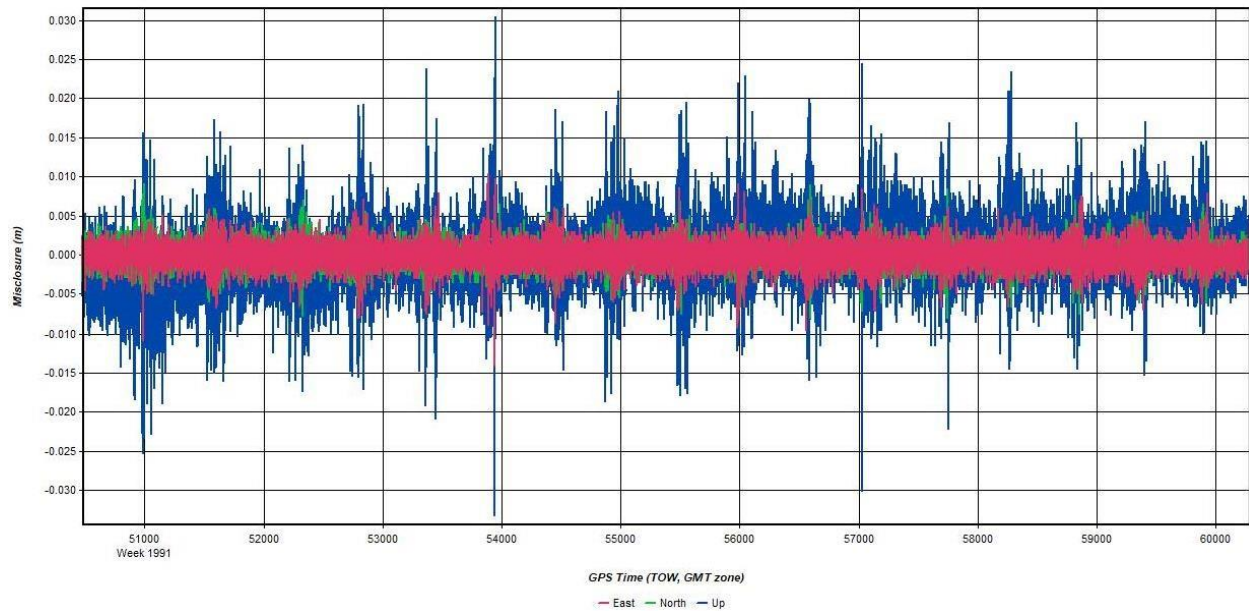
Mission 8. PDOP



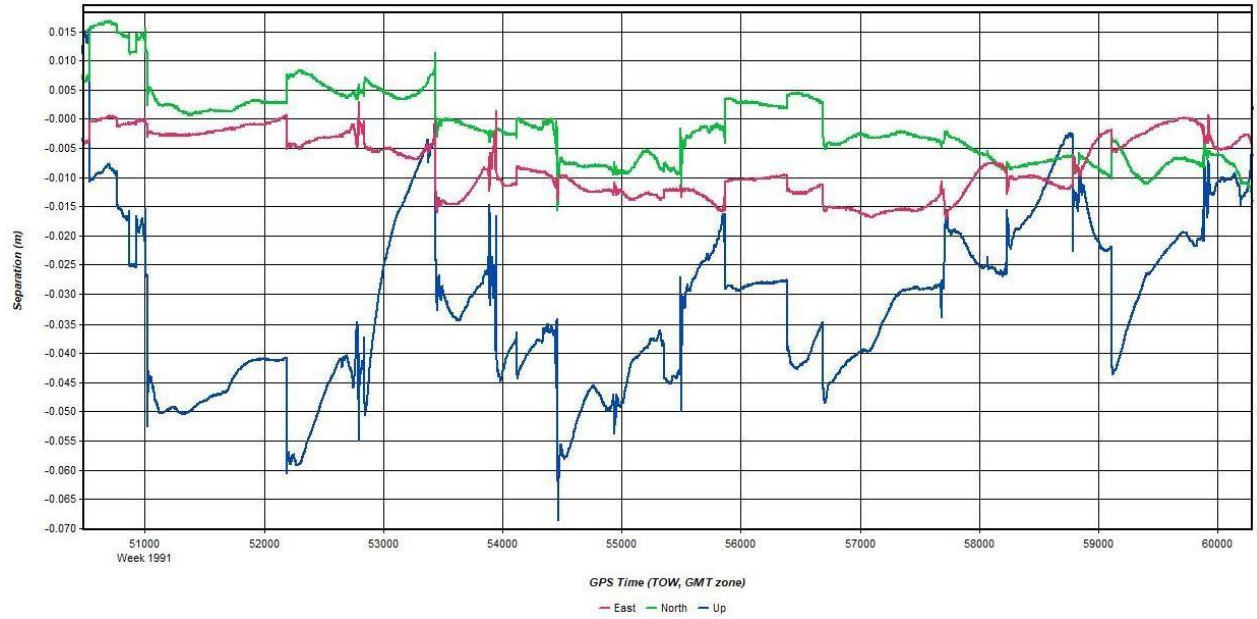
Mission 8. Number of satellites



### Mission 8. GPS misclosure



### Mission 8. GPS separation



## Mission 8. Processing summary

### Processing Summary Information

Program: Inertial Explorer  
Version: 8.60.6717  
Project: Z:\2018\_03\00105-09\_Dewberry\_Amite\_Watershed\03\_Lidar\01\_Raw\_Data\M8\IE\_Files\Amite\_M8.cfg

Solution Type: Combined

#### Number of Epochs:

Total in GPB file:	27064
No processed position:	2
Missing Fwd or Rev:	3
With bad C/A code:	0
With bad L1 Phase:	0

#### Measurement RMS Values:

L1 Phase:	0.0159 (m)
C/A Code:	0.32 (m)
L1 Doppler:	0.029 (m/s)

#### Fwd/Rev Separation RMS Values:

East:	0.008 (m)
North:	0.008 (m)
Height:	0.032 (m)

#### Fwd/Rev Sep. RMS for dual FWD/REV fixes (27058 occurrences):

East:	0.008 (m)
North:	0.008 (m)
Height:	0.032 (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:

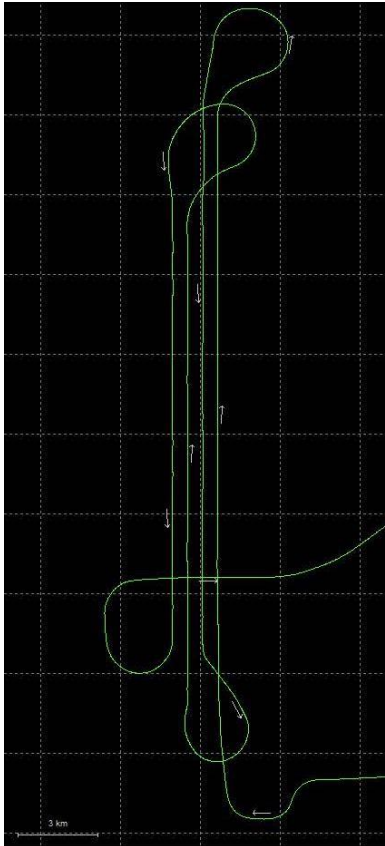
DOP over Tol:	0.0 %
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#### Baseline Distances:

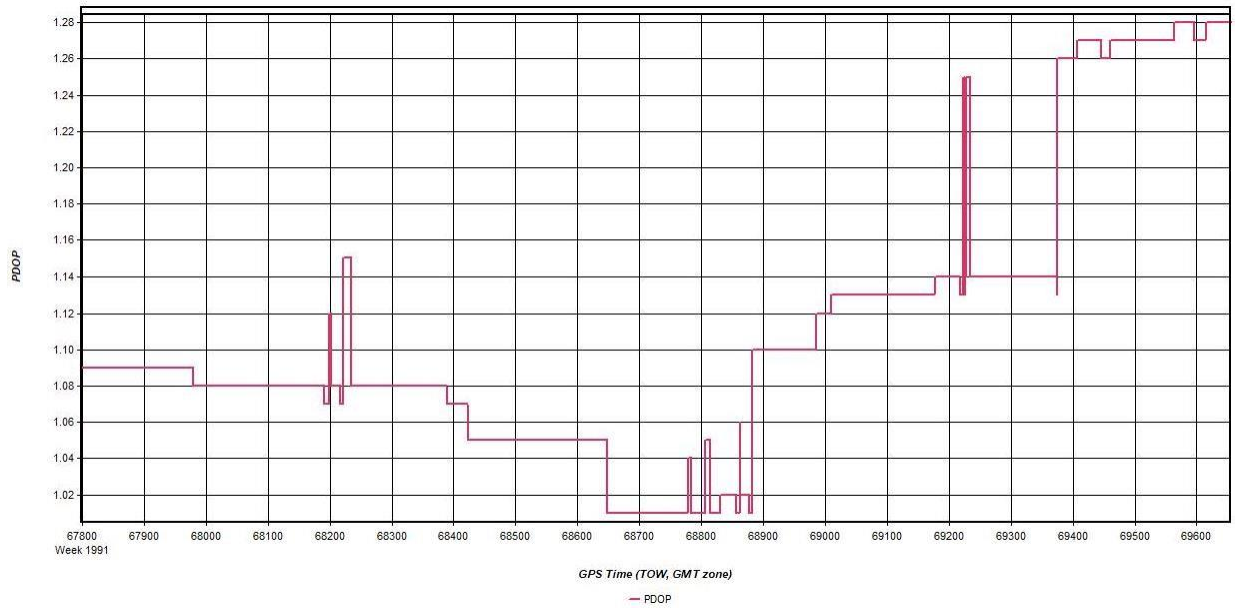
Maximum:	55.808 (km)
Minimum:	0.019 (km)
Average:	40.566 (km)
First Epoch:	0.076 (km)
Last Epoch:	0.093 (km)

## Mission 9. Flight line trajectory





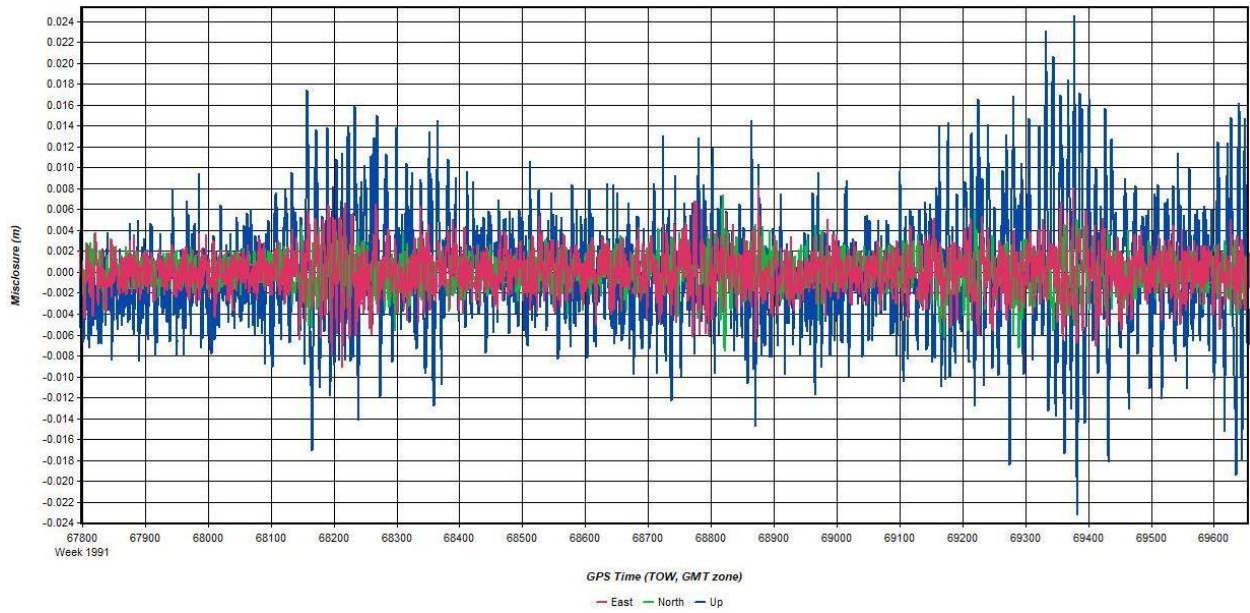
Mission 9. PDOP



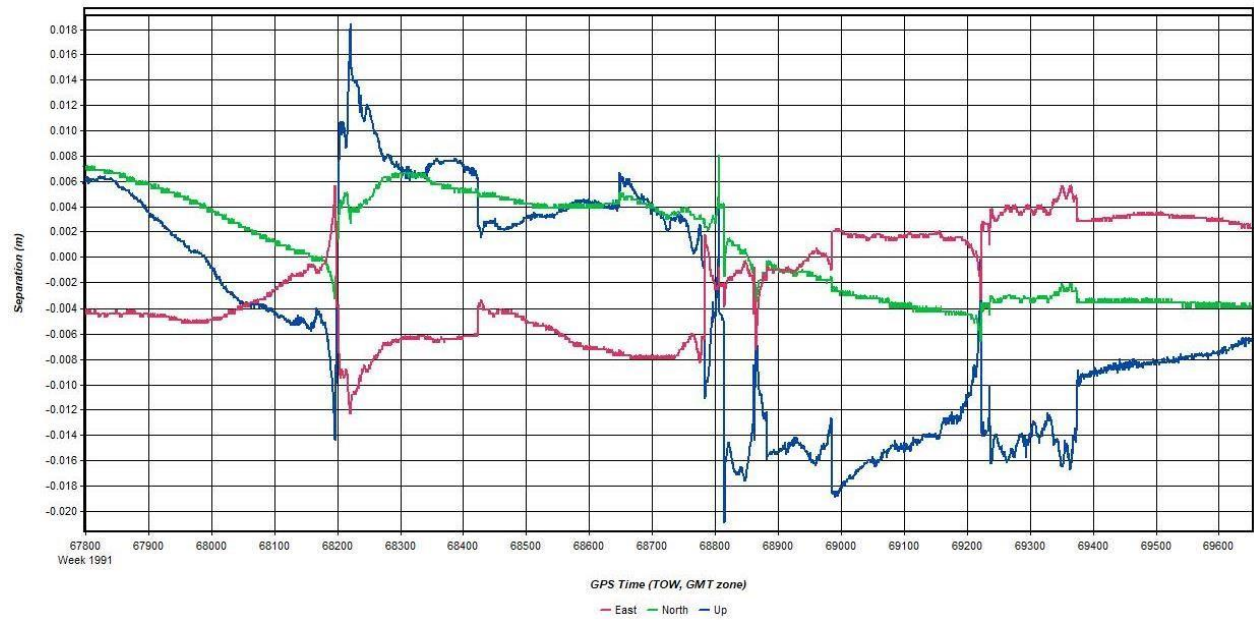
Mission 9. Number of satellites



### Mission 9. GPS misclosure



### Mission 9. GPS separation



## Mission 9. Processing summary

### Processing Summary Information

Program: Inertial Explorer  
Version: 8.60.6717  
Project: Z:\2018\_03\00105-09\_Dewberry\_Amite\_Watershed\03\_Lidar\01\_Raw\_Data\M9\IE\_Files\Amite\_M9.cfg

Solution Type: Combined

#### Number of Epochs:

Total in GPB file:	8036
No processed position:	1
Missing Fwd or Rev:	3
With bad C/A code:	0
With bad L1 Phase:	0

#### Measurement RMS Values:

L1 Phase:	0.0151 (m)
C/A Code:	0.32 (m)
L1 Doppler:	0.027 (m/s)

#### Fwd/Rev Separation RMS Values:

East:	0.005 (m)
North:	0.006 (m)
Height:	0.010 (m)

#### Fwd/Rev Sep. RMS for dual FWD/REV fixes (8031 occurrences):

East:	0.005 (m)
North:	0.006 (m)
Height:	0.010 (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 %

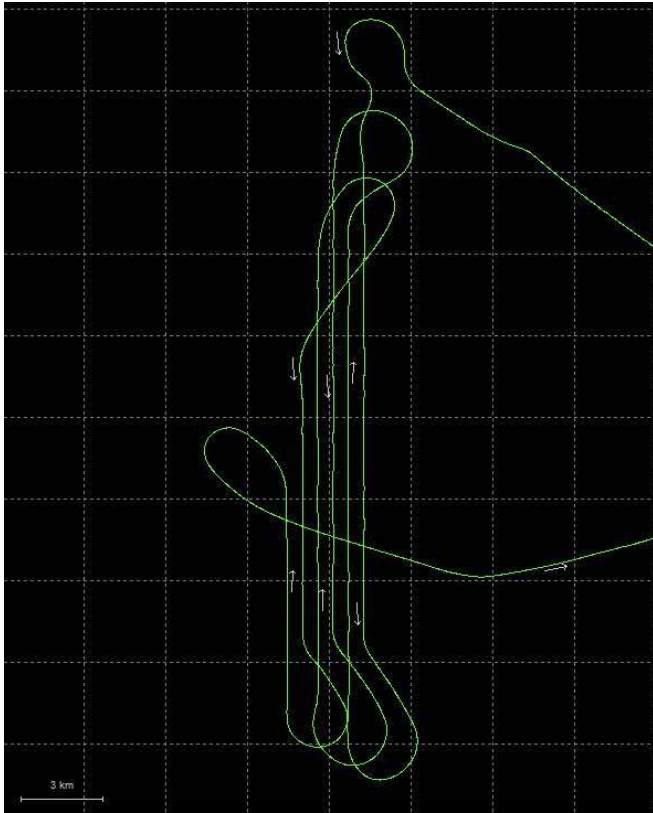
#### Percentages of epochs with DD\_DOP over 10.00:

DOP over Tol:	0.0 %
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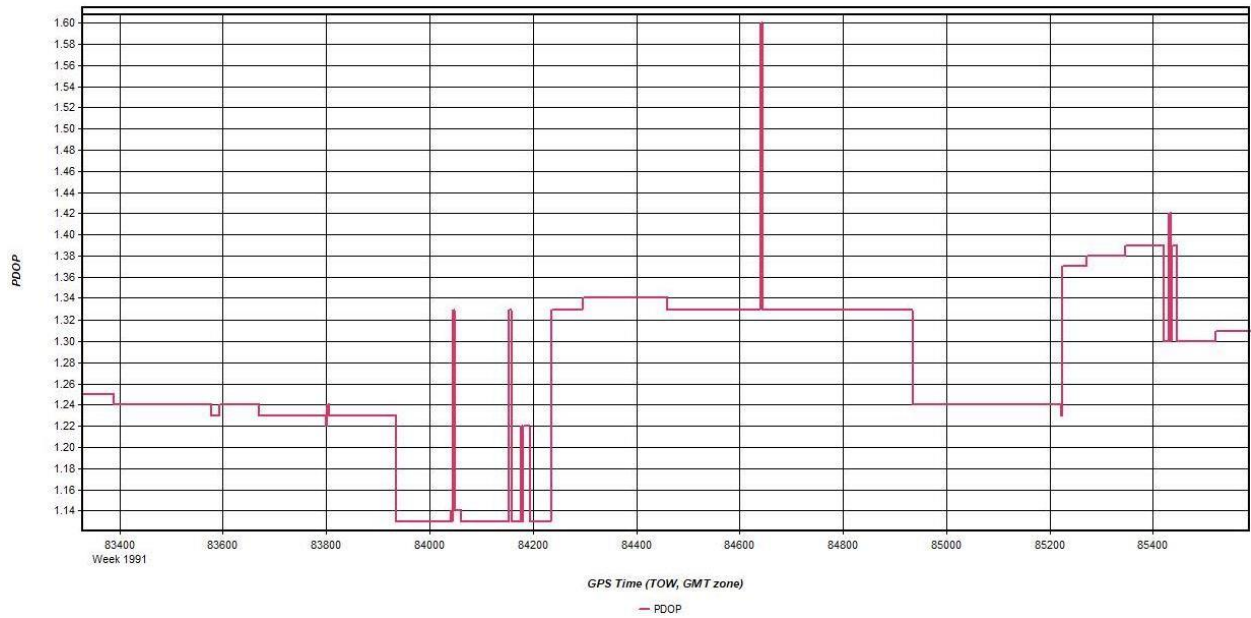
#### Baseline Distances:

Maximum:	59.242 (km)
Minimum:	0.020 (km)
Average:	41.011 (km)
First Epoch:	26.665 (km)
Last Epoch:	0.106 (km)

## Mission 10. Flight line trajectory



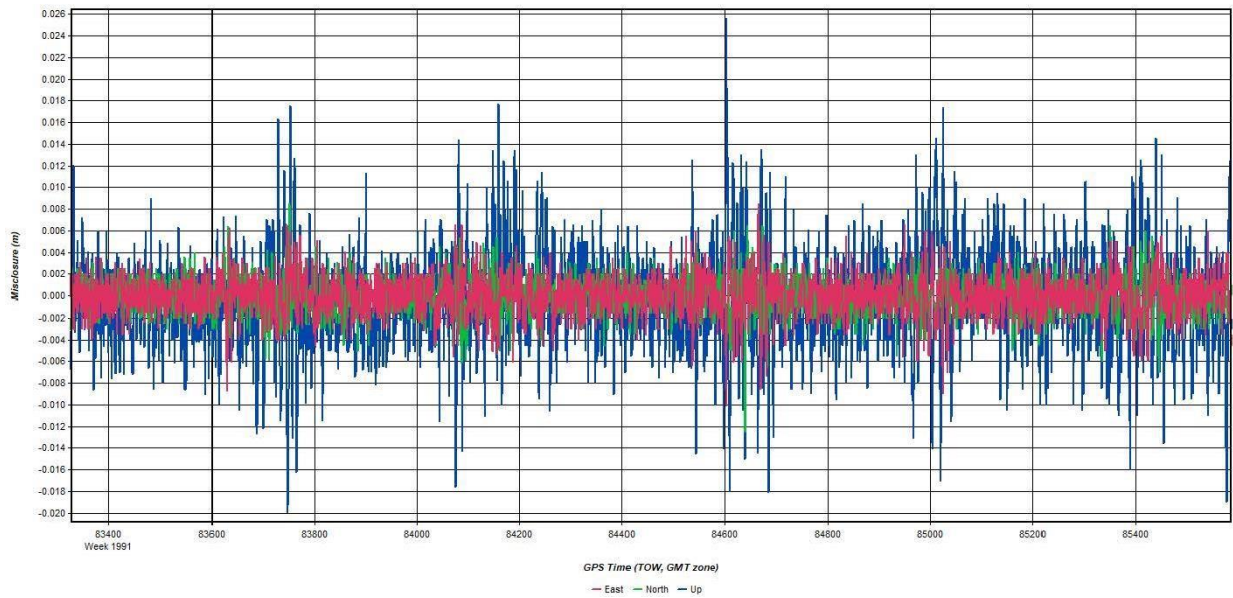
Mission 10. PDOP



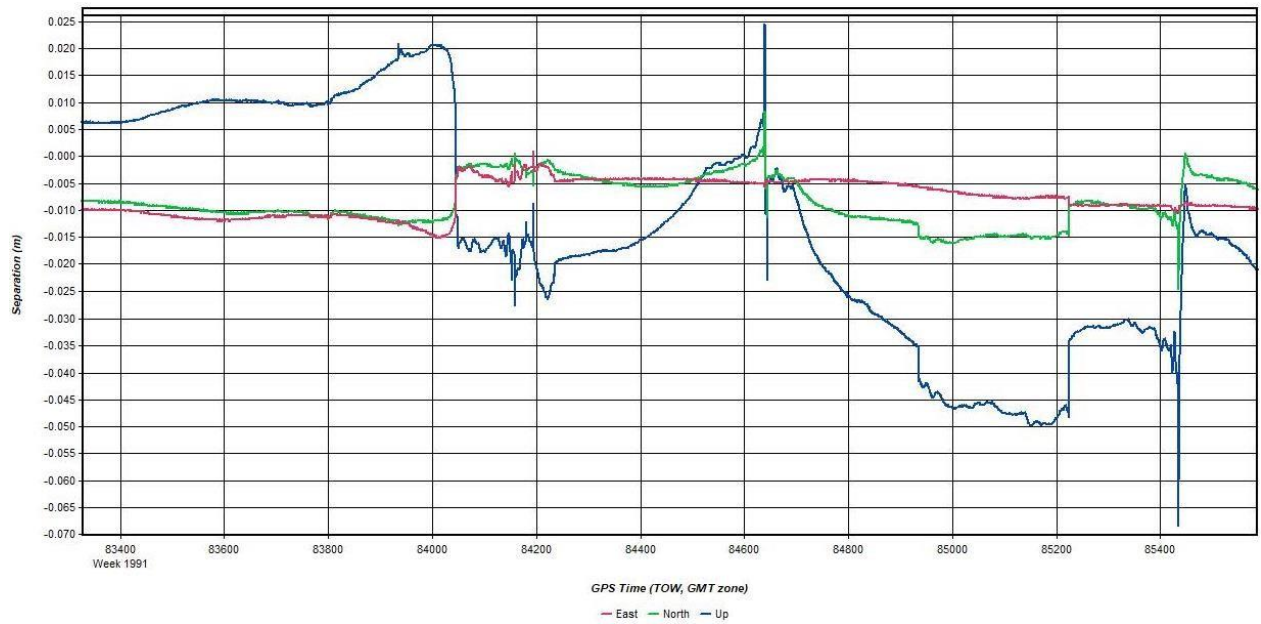
Mission 10. Number of satellites



### Mission 10. GPS misclosure



### Mission 10. GPS separation



## Mission 10. Processing summary

### Processing Summary Information

Program: Inertial Explorer  
Version: 8.60.6717  
Project: Z:\2018\_03\00105-09\_Dewberry\_Amite\_Watershed\03\_Lidar\01\_Raw\_Data\M10\IE\_Files\Amite\_M10.cfg

Solution Type: Combined

#### Number of Epochs:

Total in GPB file:	12094
No processed position:	1
Missing Fwd or Rev:	3
With bad C/A code:	0
With bad L1 Phase:	0

#### Measurement RMS Values:

L1 Phase:	0.0148 (m)
C/A Code:	0.28 (m)
L1 Doppler:	0.031 (m/s)

#### Fwd/Rev Separation RMS Values:

East:	0.008 (m)
North:	0.010 (m)
Height:	0.016 (m)

#### Fwd/Rev Sep. RMS for dual FWD/REV fixes (12090 occurrences):

East:	0.008 (m)
North:	0.010 (m)
Height:	0.016 (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 %
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#### Baseline Distances:

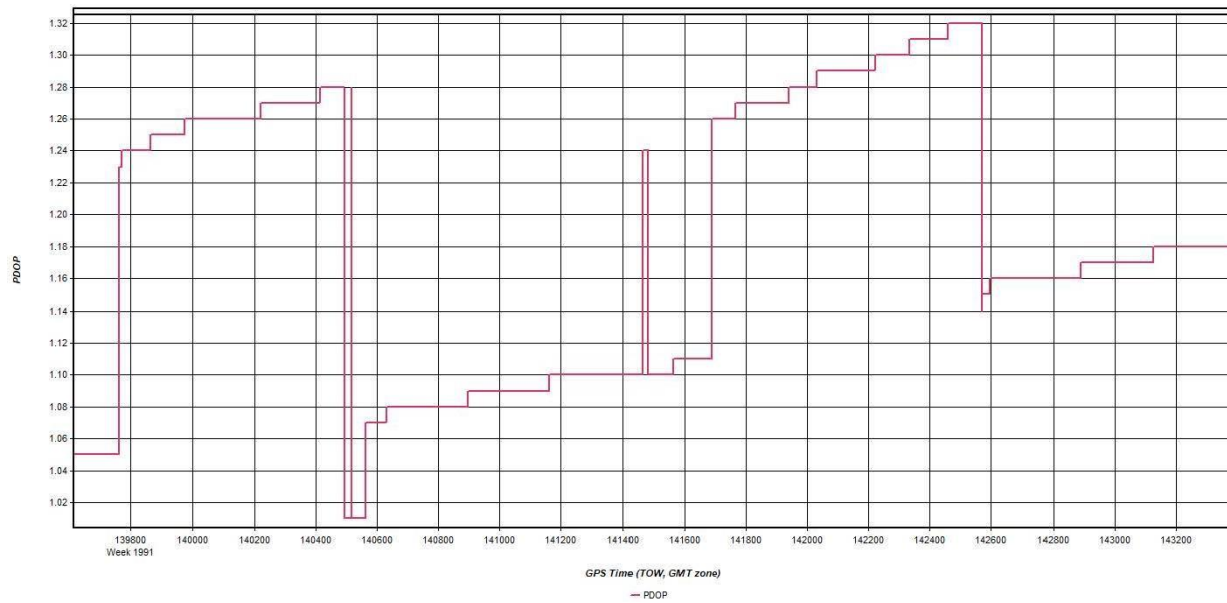
Maximum:	61.946 (km)
Minimum:	0.019 (km)
Average:	35.889 (km)
First Epoch:	0.068 (km)
Last Epoch:	0.108 (km)



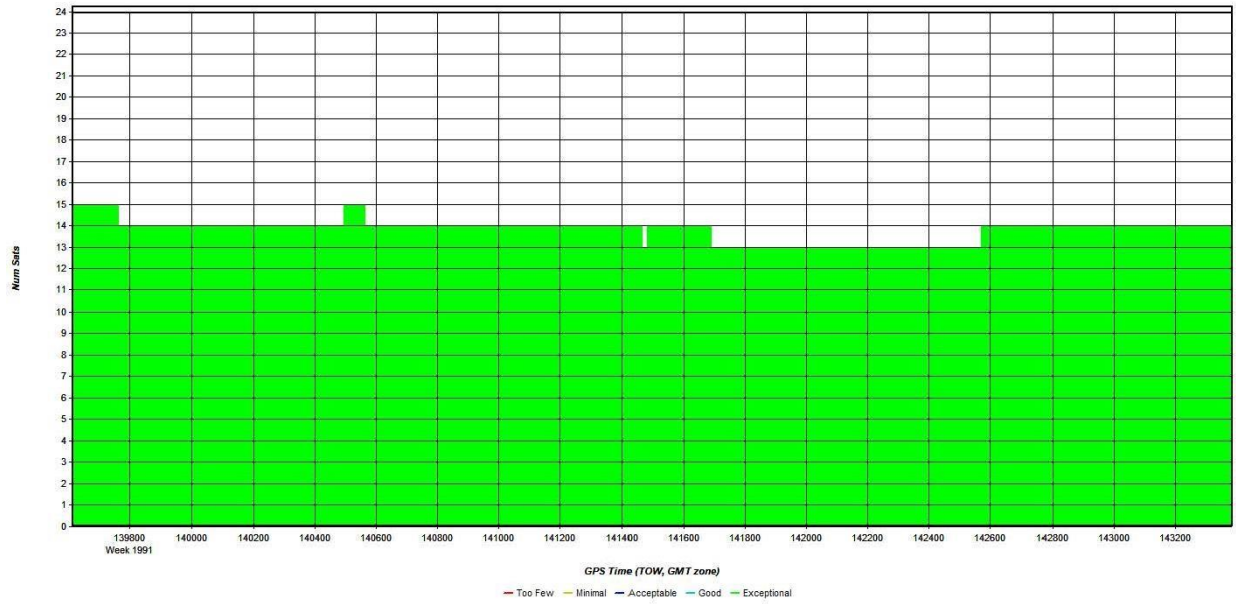
### Mission 11. Flight line trajectory



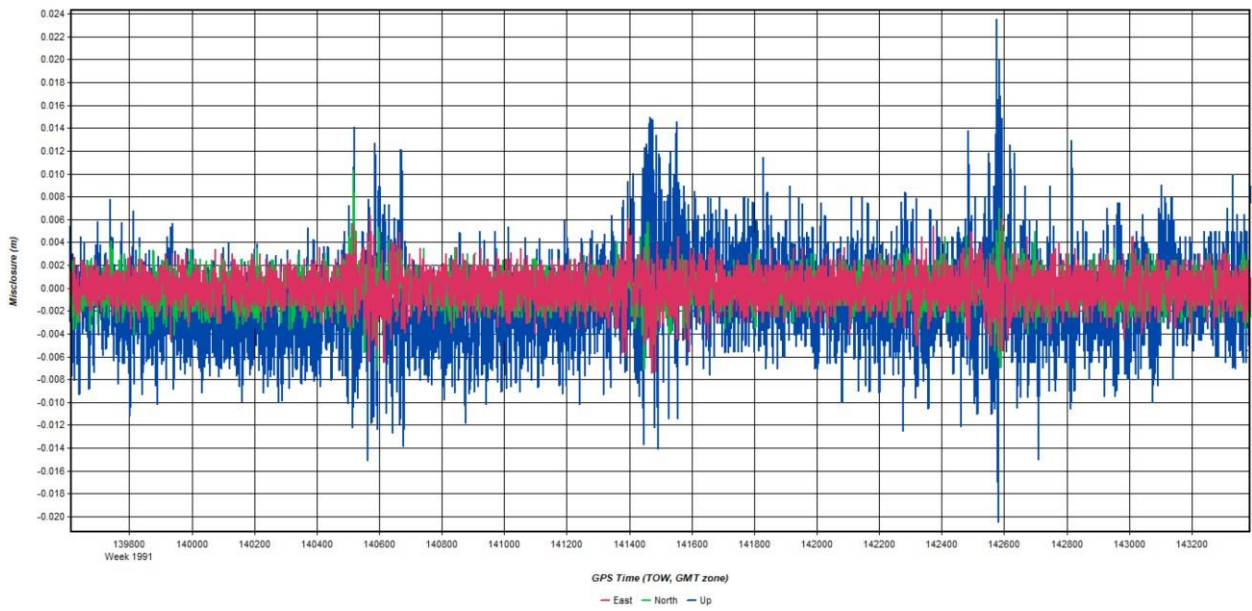
### Mission 11. PDOP



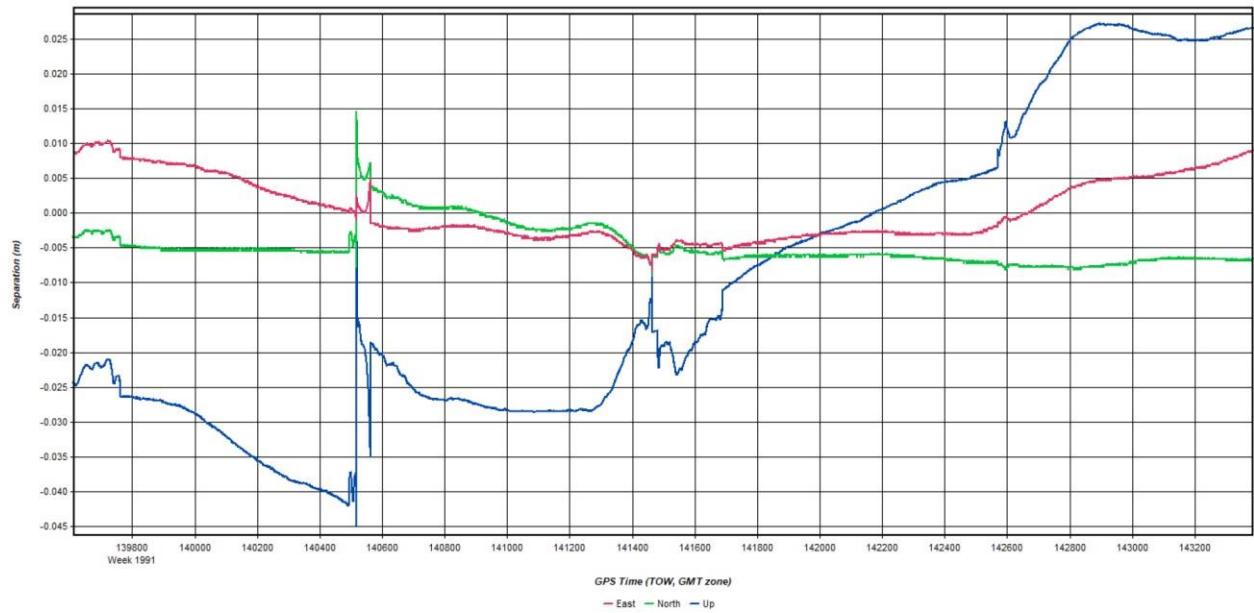
### Mission 11. Number of satellites



### Mission 11. GPS misclosure



### Mission 11. GPS separation



### Mission 11. Processing summary

### Processing Summary Information

Program: Inertial Explorer  
Version: 8.60.6717

Solution Type: Combined

#### Number of Epochs:

Total in GPB file:	13671
No processed position:	1
Missing Fwd or Rev:	3
With bad C/A code:	0
With bad L1 Phase:	0

#### Measurement RMS Values:

L1 Phase:	0.0153 (m)
C/A Code:	0.31 (m)
L1 Doppler:	0.028 (m/s)

#### Fwd/Rev Separation RMS Values:

East:	0.005 (m)
North:	0.006 (m)
Height:	0.027 (m)

#### Fwd/Rev Sep. RMS for dual FWD/REV fixes (13666 occurrences):

East:	0.005 (m)
North:	0.006 (m)
Height:	0.027 (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 %

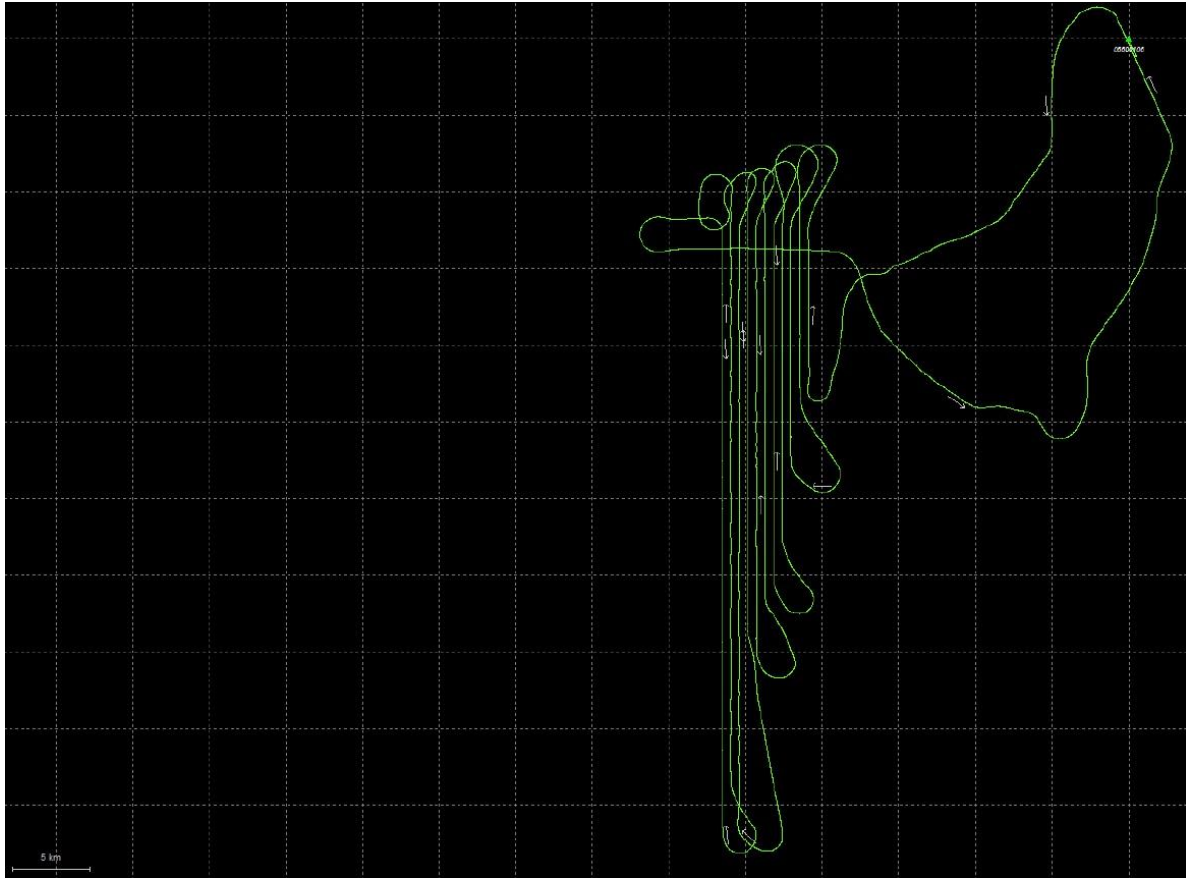
#### Percentages of epochs with DD\_DOP over 10.00:

DOP over Tol:	0.0 %
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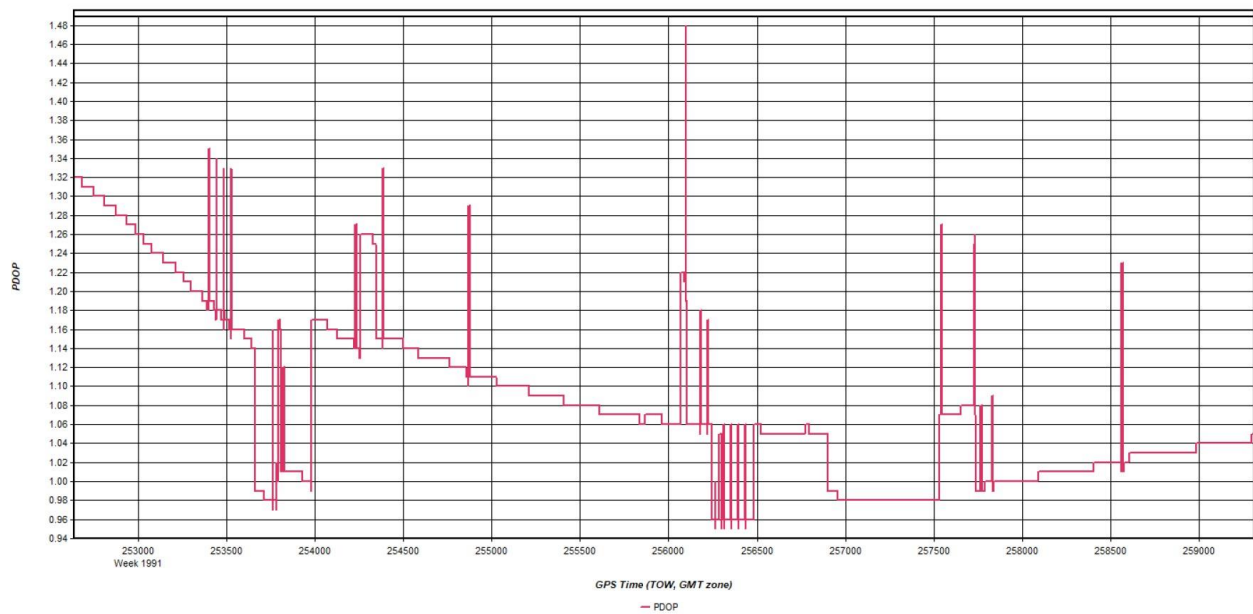
#### Baseline Distances:

Maximum:	67.714 (km)
Minimum:	0.019 (km)
Average:	32.653 (km)
First Epoch:	0.069 (km)
Last Epoch:	0.094 (km)

Mission 13. Flight line trajectory



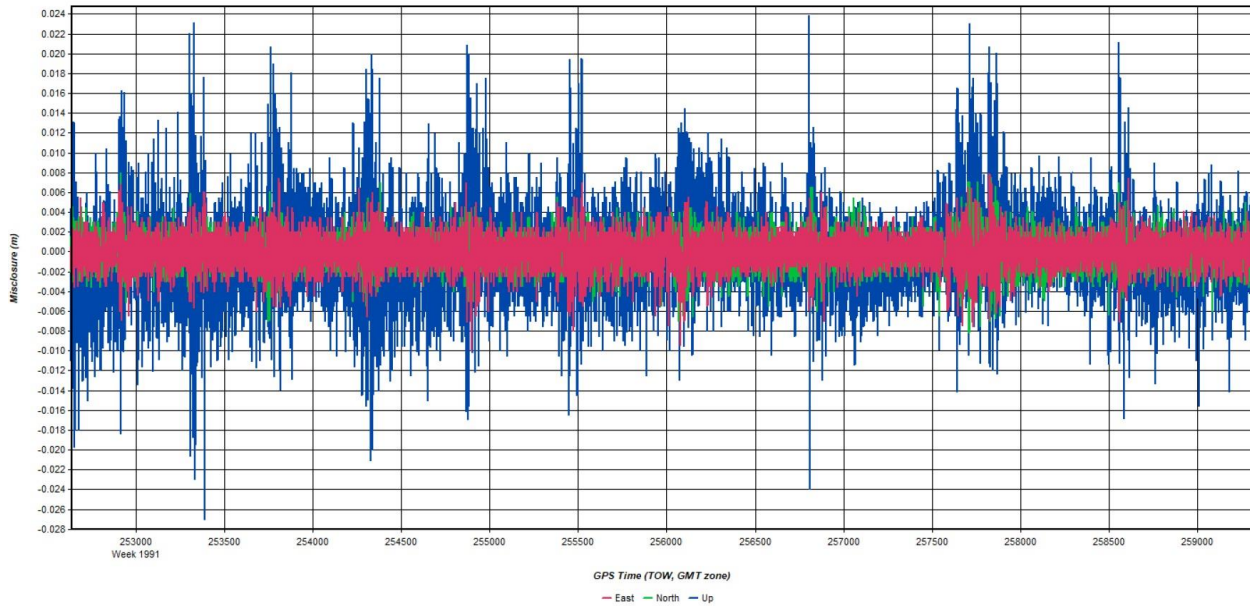
Mission 13. PDOP



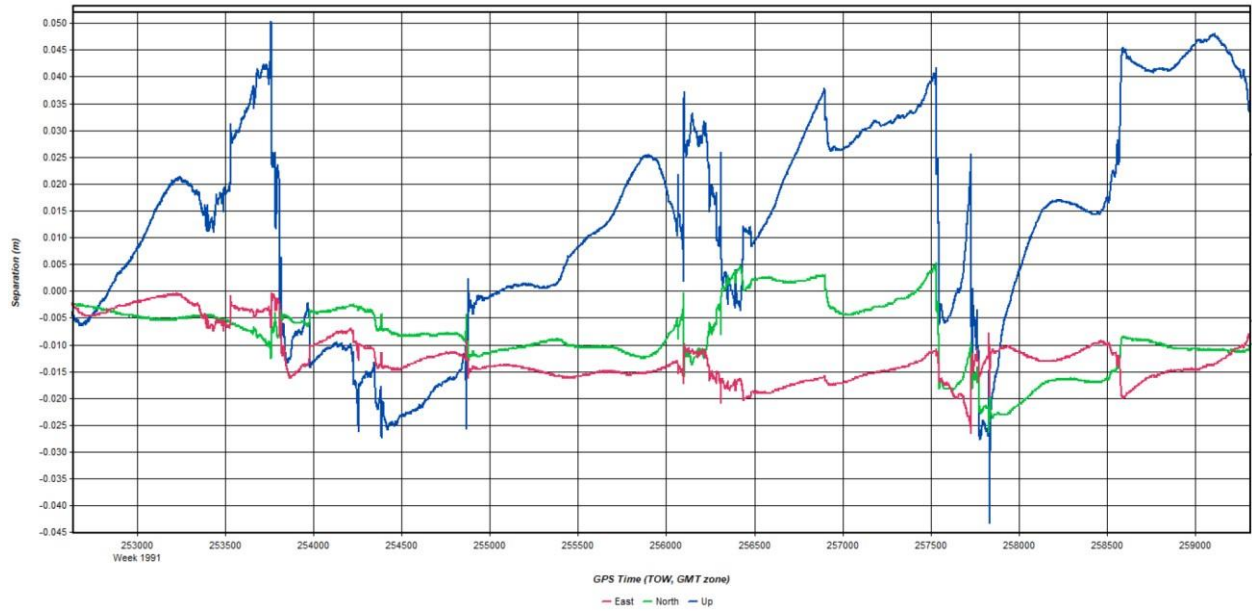
Mission 13. Number of satellites



### Mission 13. GPS misclosure



### Mission 13. GPS separation



## Mission 13. Processing summary

### Processing Summary Information

Program: Inertial Explorer  
Version: 8.60.6717

Solution Type: Combined

#### Number of Epochs:

Total in GPB file:	18804
No processed position:	1
Missing Fwd or Rev:	3
With bad C/A code:	0
With bad L1 Phase:	0

#### Measurement RMS Values:

L1 Phase:	0.0150 (m)
C/A Code:	0.31 (m)
L1 Doppler:	0.028 (m/s)

#### Fwd/Rev Separation RMS Values:

East:	0.011 (m)
North:	0.009 (m)
Height:	0.026 (m)

#### Fwd/Rev Sep. RMS for dual FWD/REV fixes (18800 occurrences):

East:	0.011 (m)
North:	0.009 (m)
Height:	0.026 (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 %
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#### Baseline Distances:

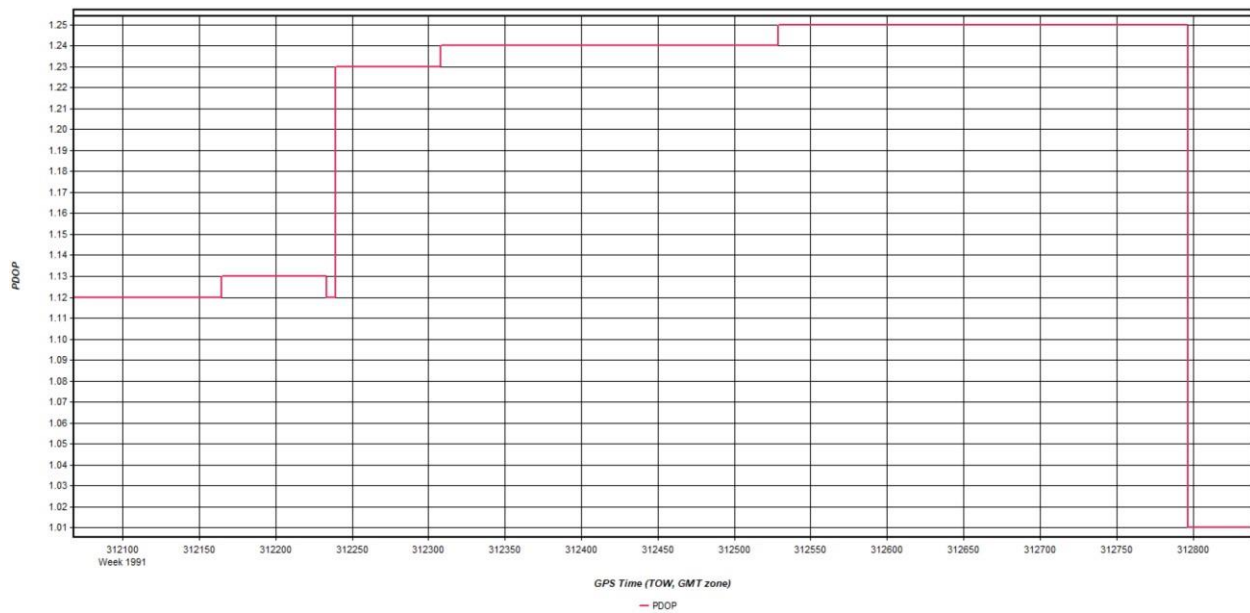
Maximum:	58.540 (km)
Minimum:	0.018 (km)
Average:	29.247 (km)
First Epoch:	0.069 (km)
Last Epoch:	0.093 (km)



### Mission 14 . Flight line trajectory



### Mission 14. PDOP

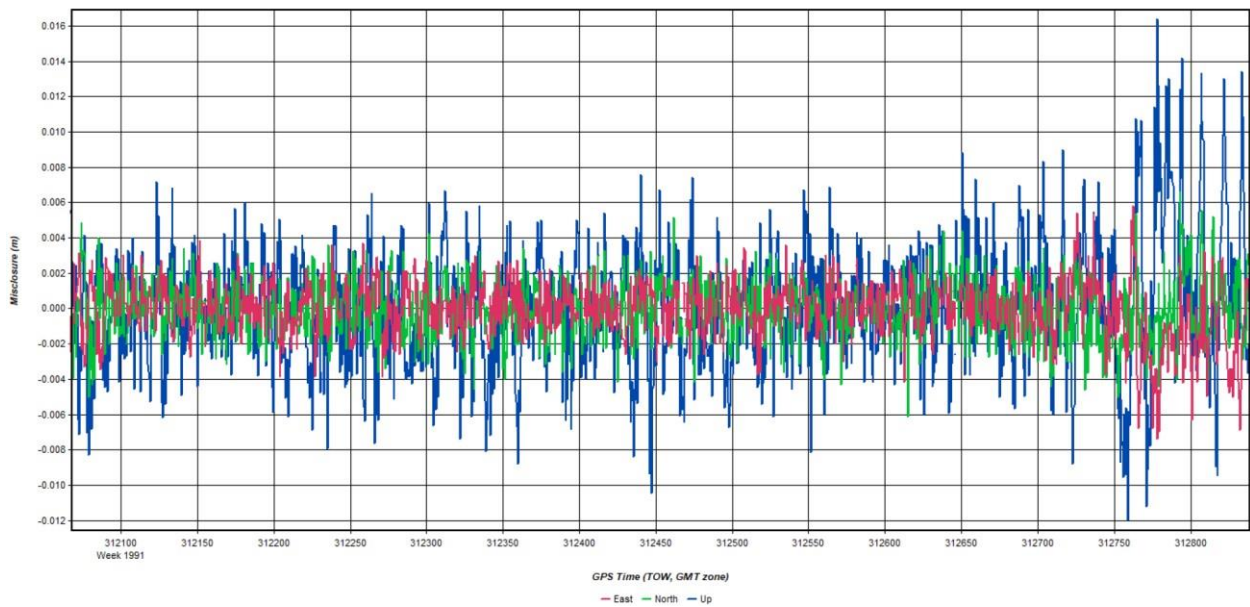


### Mission 14

. Number of satellites

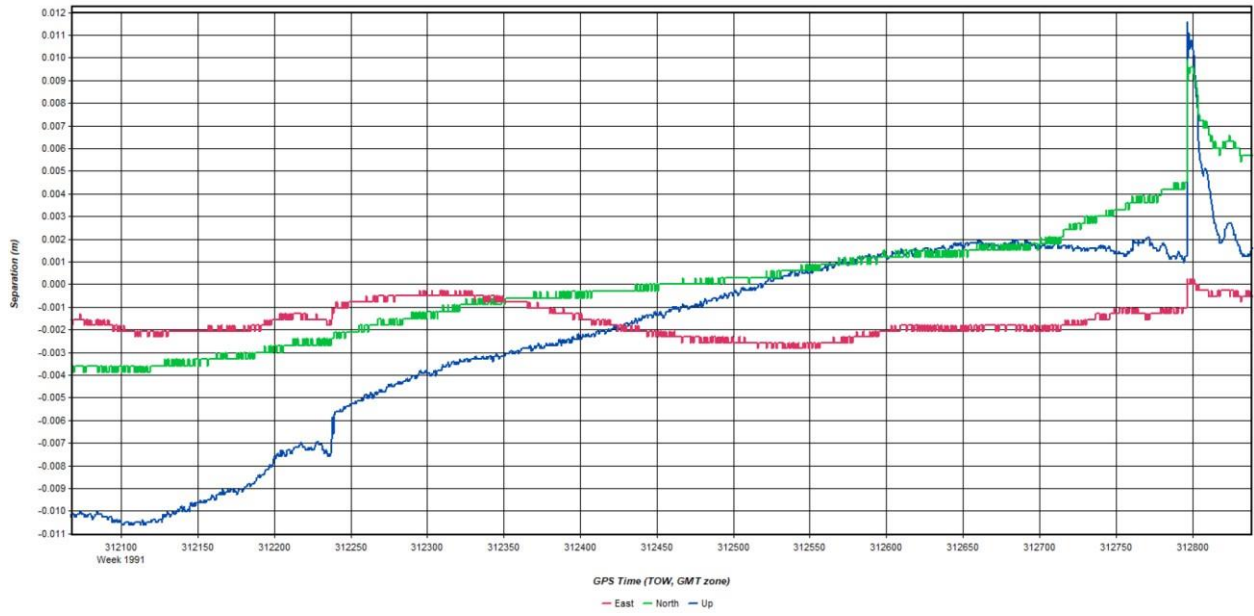


### Mission 14. GPS misclosure



. GPS separation

### Mission 14



Mission 14  
. Processing summary

## Mission 14

### Processing Summary Information

Program: Inertial Explorer  
Version: 8.60.6717

Solution Type: Combined

#### Number of Epochs:

Total in GPB file:	4684
No processed position:	3
Missing Fwd or Rev:	3
With bad C/A code:	0
With bad L1 Phase:	0

#### Measurement RMS Values:

L1 Phase:	0.0138 (m)
C/A Code:	0.38 (m)
L1 Doppler:	0.030 (m/s)

#### Fwd/Rev Separation RMS Values:

East:	0.003 (m)
North:	0.006 (m)
Height:	0.008 (m)

#### Fwd/Rev Sep. RMS for dual FWD/REV fixes (4676 occurrences):

East:	0.002 (m)
North:	0.006 (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 %

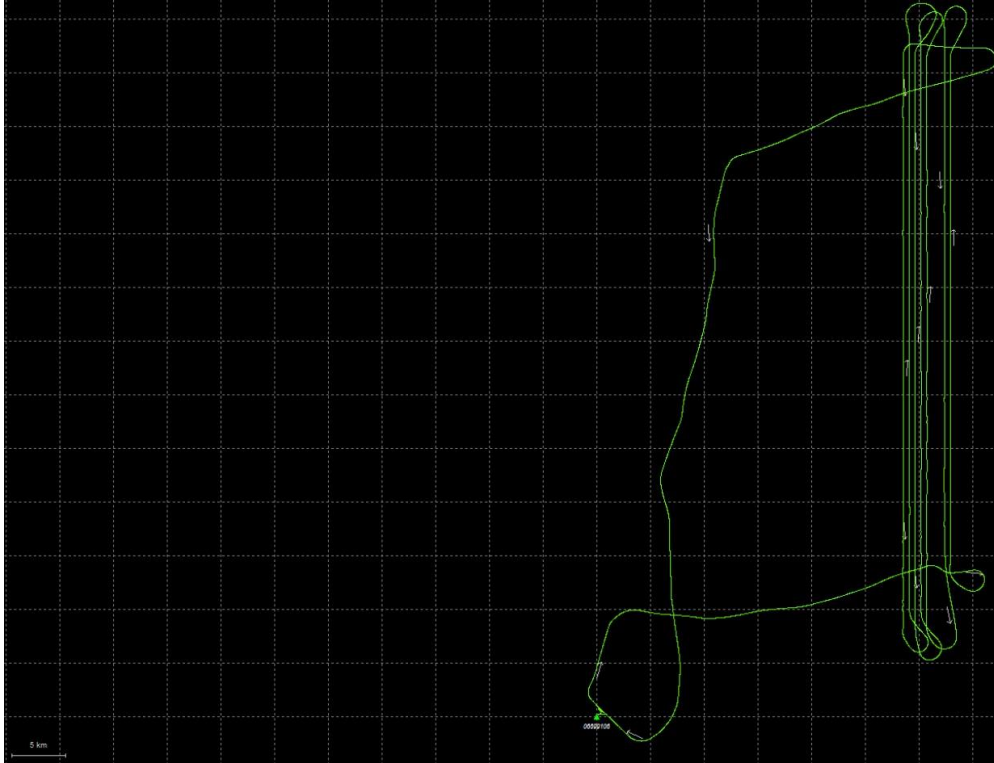
#### Percentages of epochs with DD\_DOP over 10.00:

DOP over Tol:	0.0 %
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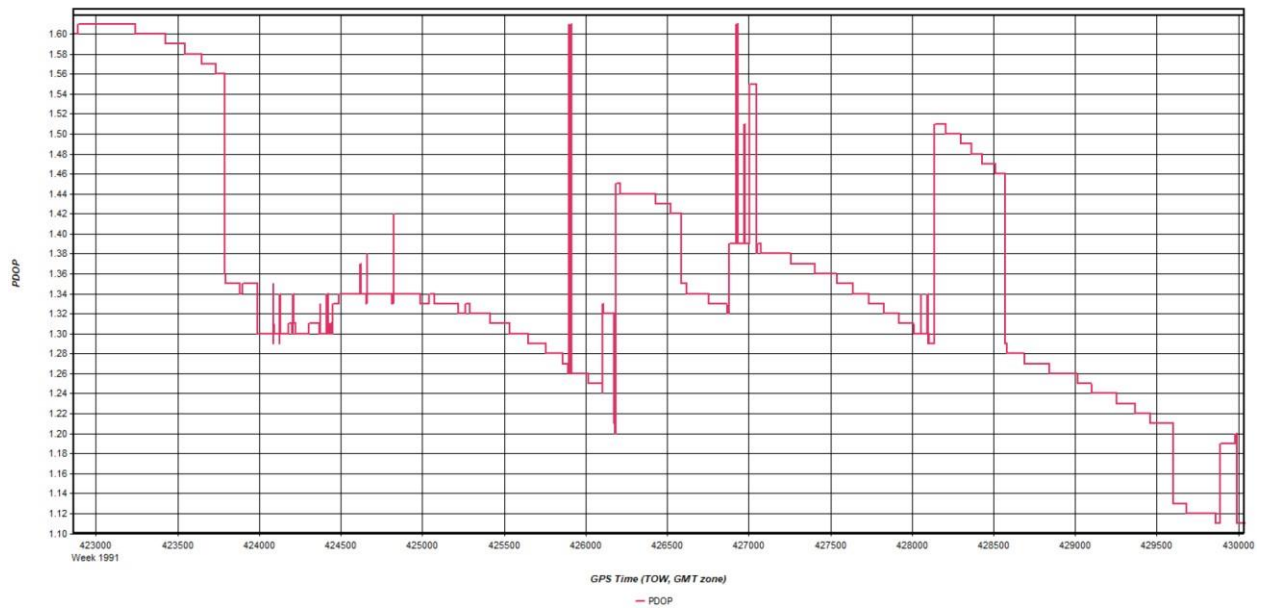
#### Baseline Distances:

Maximum:	60.461 (km)
Minimum:	0.018 (km)
Average:	24.549 (km)
First Epoch:	0.094 (km)
Last Epoch:	52.640 (km)

### Mission 15 . Flight line trajectory



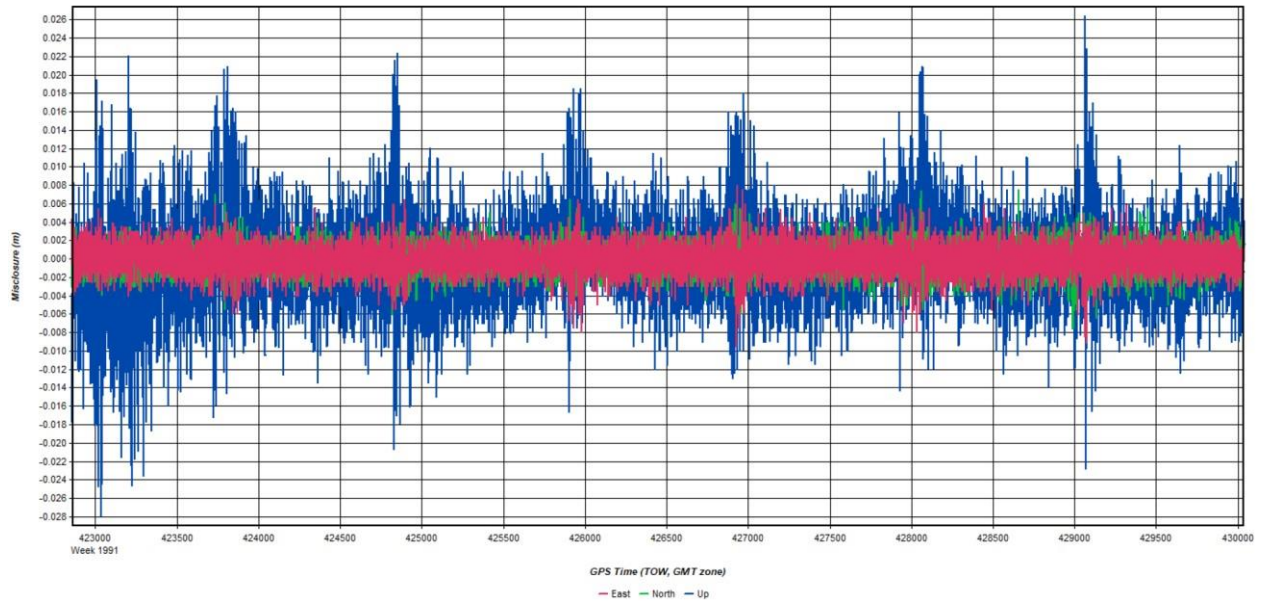
### Mission 15. PDOP



### Mission 15 . Number of satellites

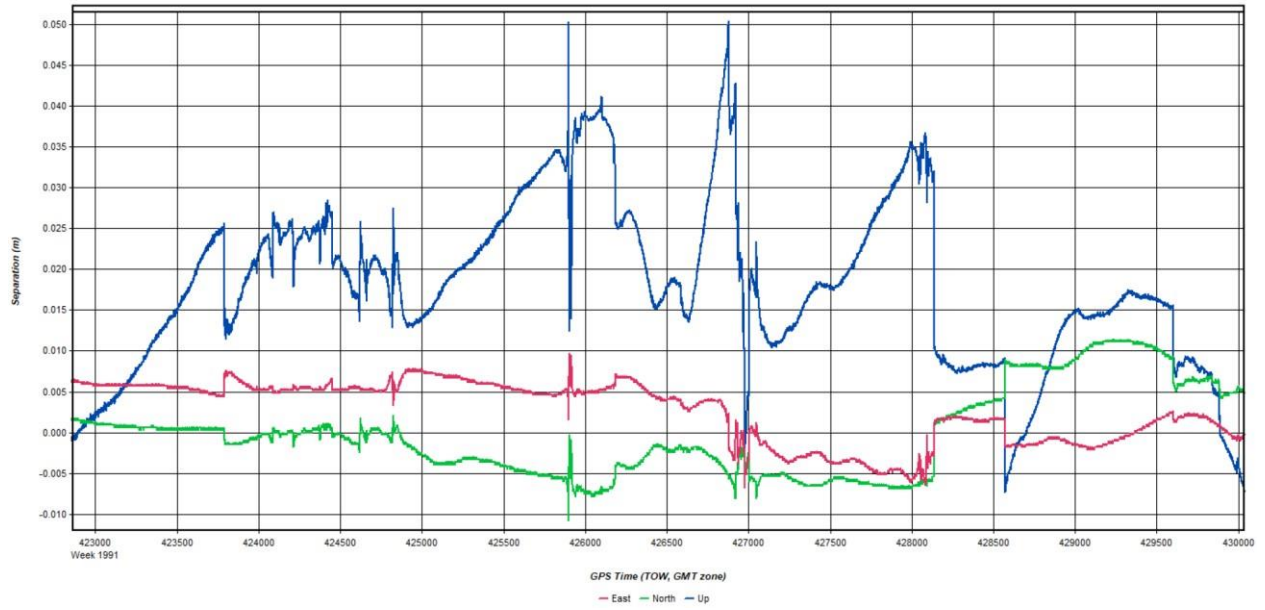


### Mission 15. GPS misclosure



### . GPS separation

### Mission 15





Mission 15  
. Processing summary

## Mission 15

### | Processing Summary Information

Program: Inertial Explorer  
Version: 8.60.6717

Solution Type: Combined

#### Number of Epochs:

Total in GPB file:	21584
No processed position:	1
Missing Fwd or Rev:	3
With bad C/A code:	0
With bad L1 Phase:	0

#### Measurement RMS Values:

L1 Phase:	0.0148 (m)
C/A Code:	0.50 (m)
L1 Doppler:	0.030 (m/s)

#### Fwd/Rev Separation RMS Values:

East:	0.004 (m)
North:	0.005 (m)
Height:	0.018 (m)

#### Fwd/Rev Sep. RMS for dual FWD/REV fixes (21580 occurrences):

East:	0.004 (m)
North:	0.005 (m)
Height:	0.018 (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 %
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#### Baseline Distances:

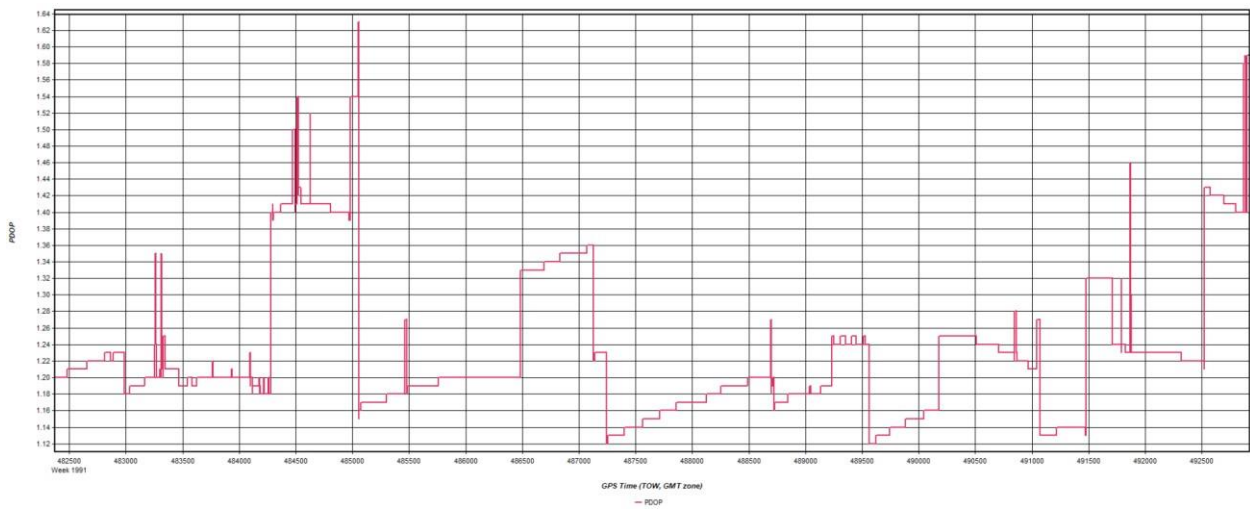
Maximum:	73.347 (km)
Minimum:	0.258 (km)
Average:	39.202 (km)
First Epoch:	0.277 (km)
Last Epoch:	0.394 (km)

## Mission 15

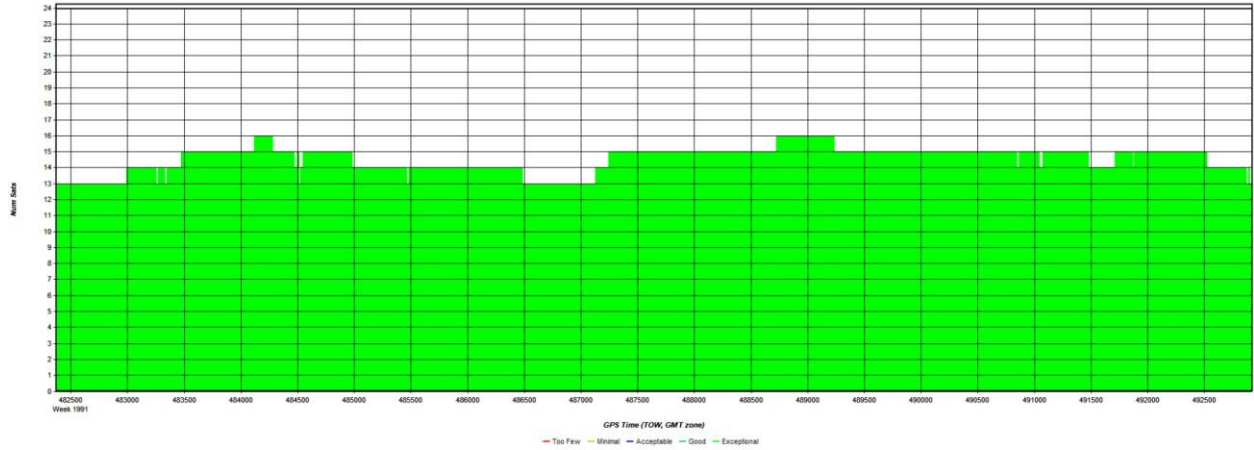
### Mission 16 . Flight line trajectory



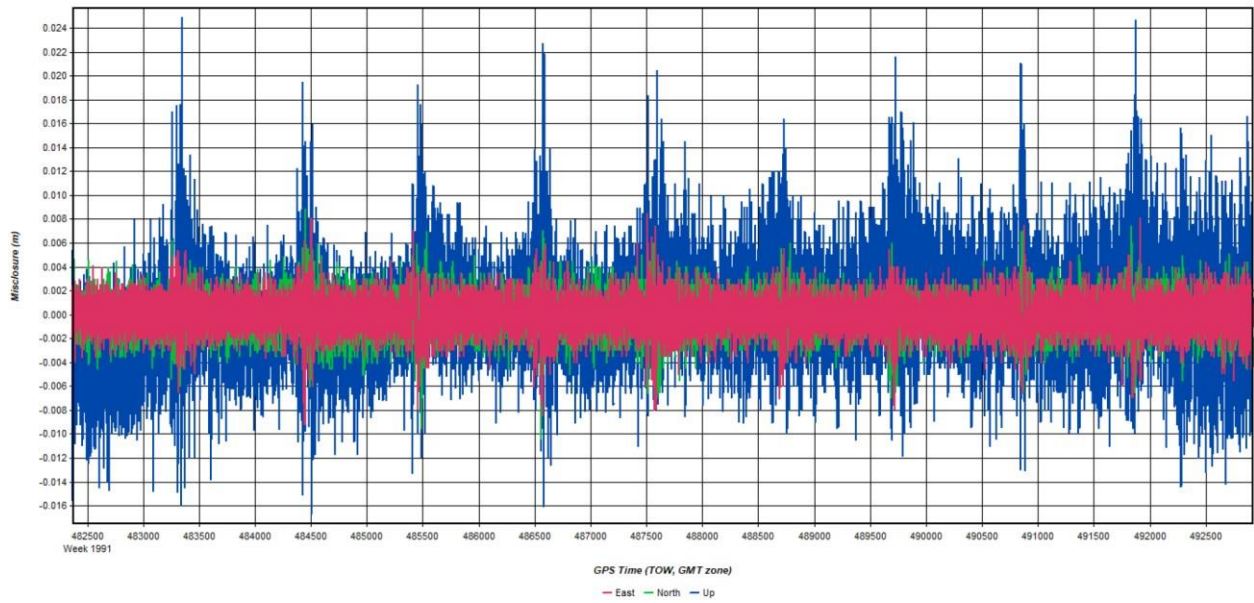
### Mission 16. PDOP



### Mission 16 . Number of satellites

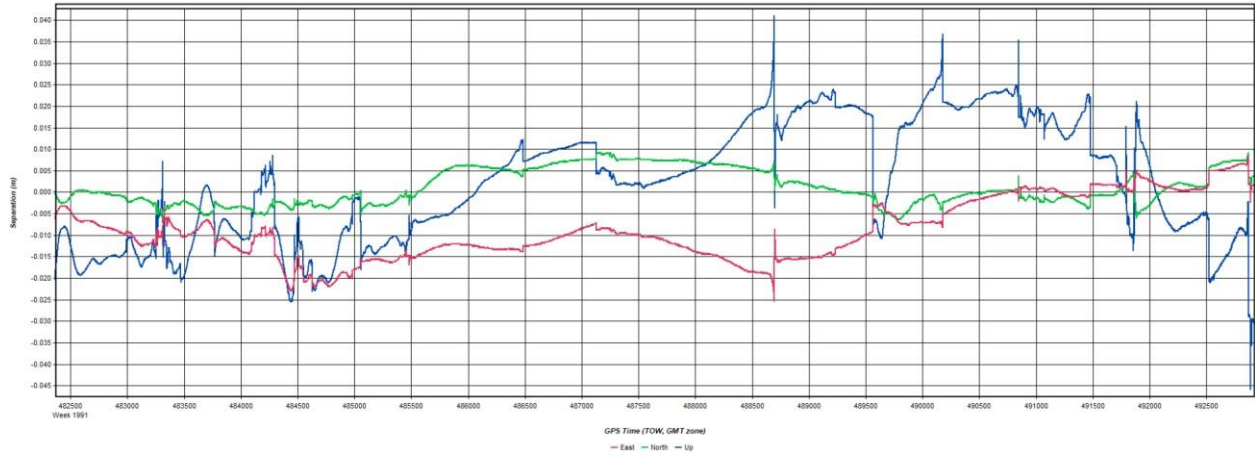


### Mission 16. GPS misclosure



### . GPS separation

### Mission 16



Mission 16  
. Processing summary

## Mission 16

### | Processing Summary Information

Program: Inertial Explorer  
Version: 8.60.6717

Solution Type: Combined

#### Number of Epochs:

Total in GPB file:	26785
No processed position:	1
Missing Fwd or Rev:	3
With bad C/A code:	0
With bad L1 Phase:	0

#### Measurement RMS Values:

L1 Phase:	0.0140 (m)
C/A Code:	0.69 (m)
L1 Doppler:	0.031 (m/s)

#### Fwd/Rev Separation RMS Values:

East:	0.010 (m)
North:	0.005 (m)
Height:	0.016 (m)

#### Fwd/Rev Sep. RMS for dual FWD/REV fixes (26781 occurrences):

East:	0.010 (m)
North:	0.005 (m)
Height:	0.016 (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 %
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#### Baseline Distances:

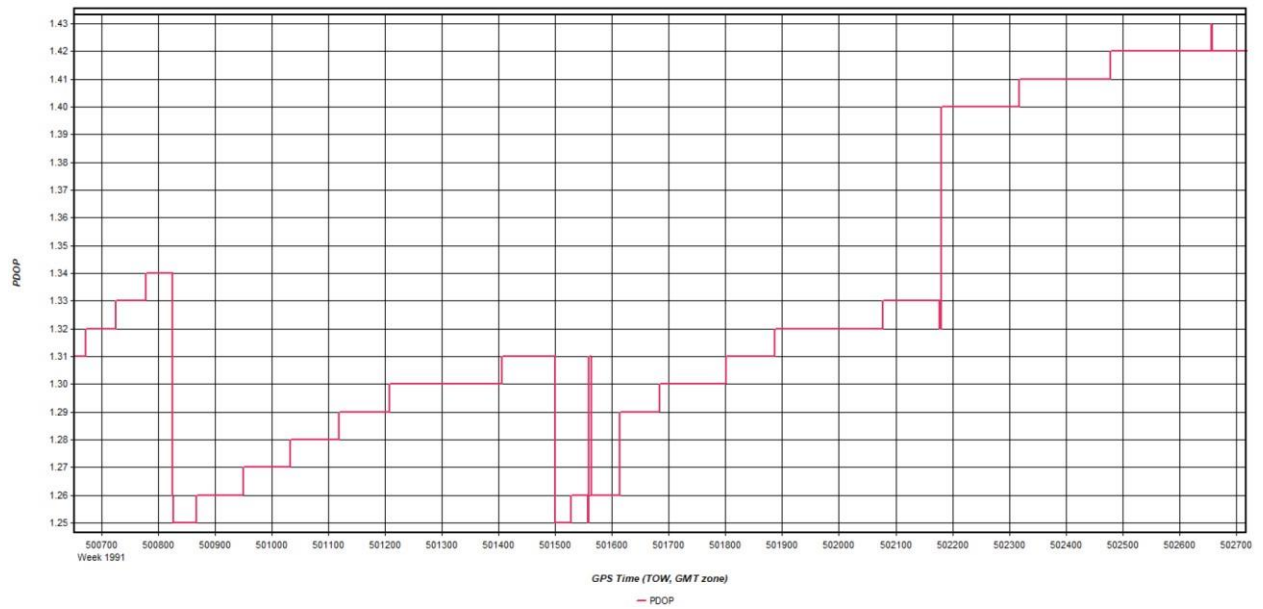
Maximum:	71.942 (km)
Minimum:	0.024 (km)
Average:	38.304 (km)
First Epoch:	0.171 (km)
Last Epoch:	0.399 (km)



### Mission 17 . Flight line trajectory

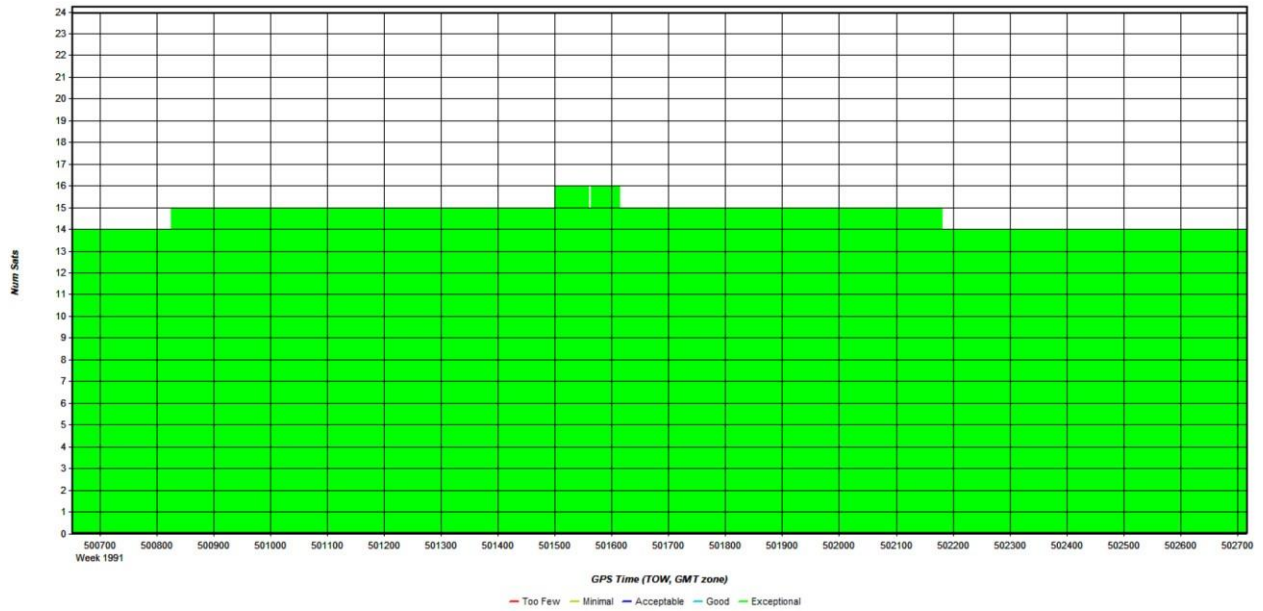


### Mission 17. PDOP

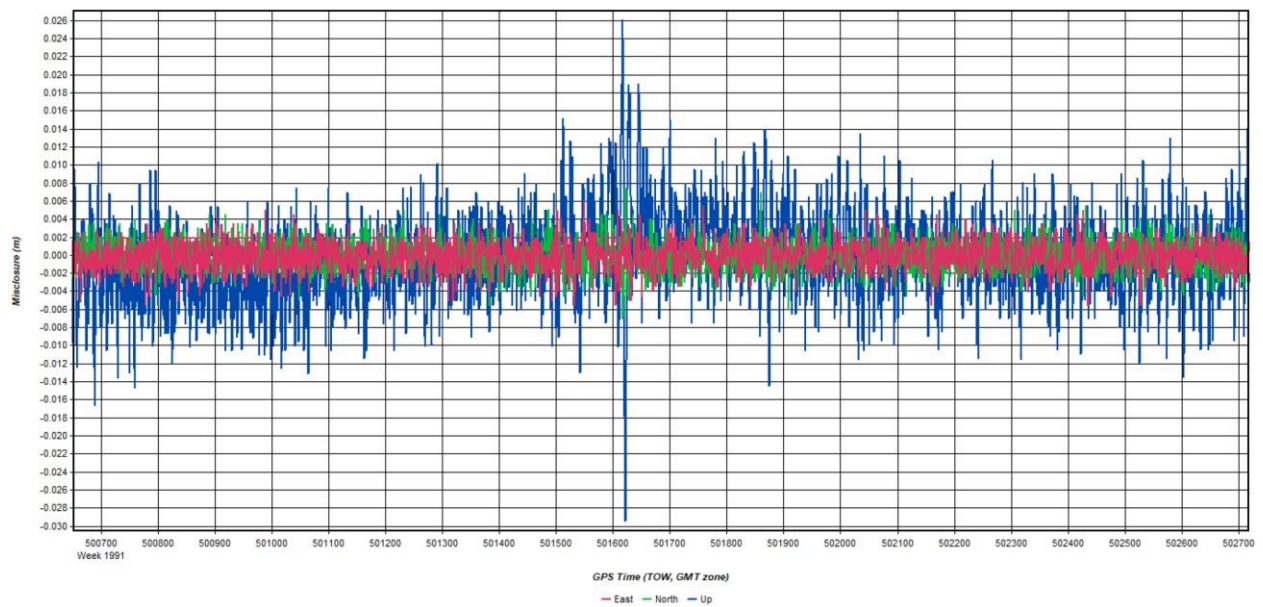


### Mission 17

. Number of satellites

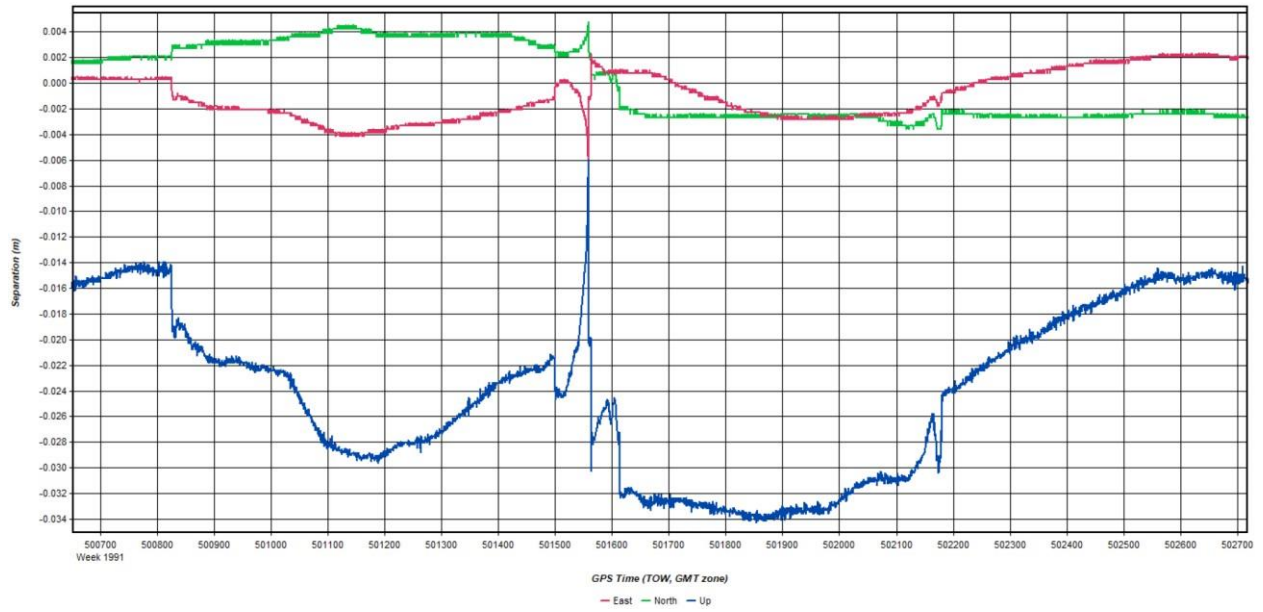


### Mission 17. GPS misclosure



. GPS separation

### Mission 17



Mission 17  
. Processing summary

## Mission 17

### Processing Summary Information

Program: Inertial Explorer  
Version: 8.60.6717

Solution Type: Combined

#### Number of Epochs:

Total in GPB file:	9226
No processed position:	1
Missing Fwd or Rev:	3
With bad C/A code:	0
With bad L1 Phase:	0

#### Measurement RMS Values:

L1 Phase:	0.0152 (m)
C/A Code:	0.46 (m)
L1 Doppler:	0.033 (m/s)

#### Fwd/Rev Separation RMS Values:

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

#### Fwd/Rev Sep. RMS for dual FWD/REV fixes (9222 occurrences):

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

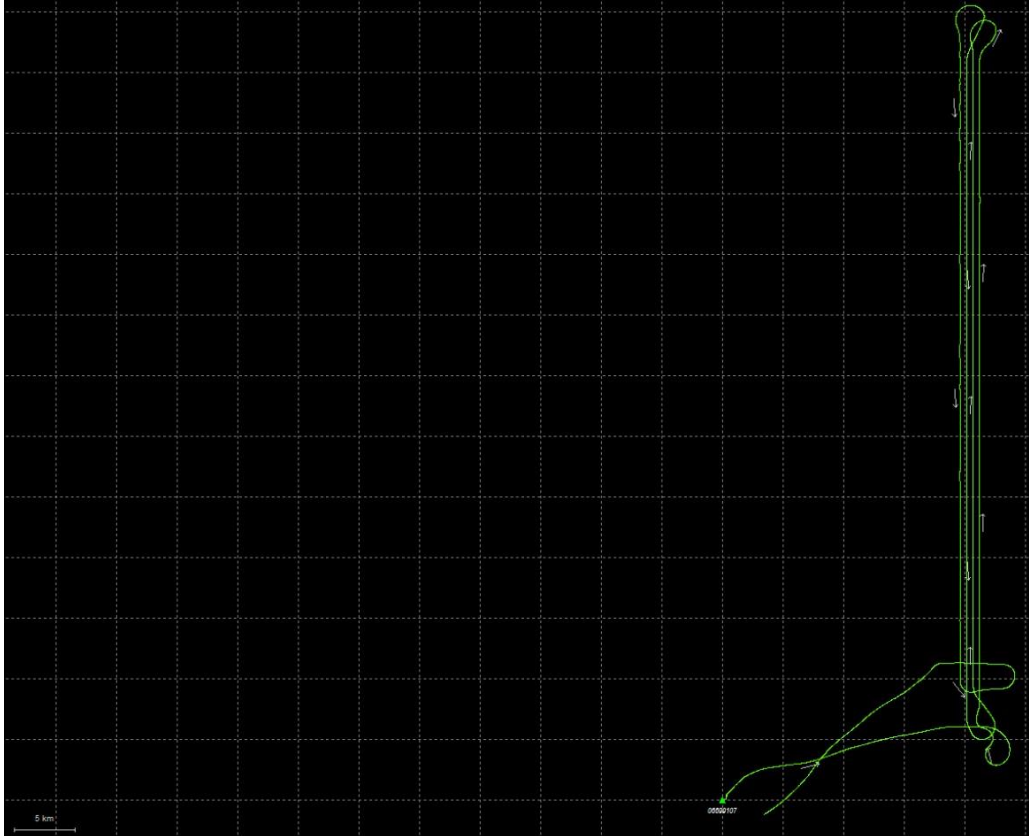
#### Percentages of epochs with DD\_DOP over 10.00:

DOP over Tol:	0.0 %
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#### Baseline Distances:

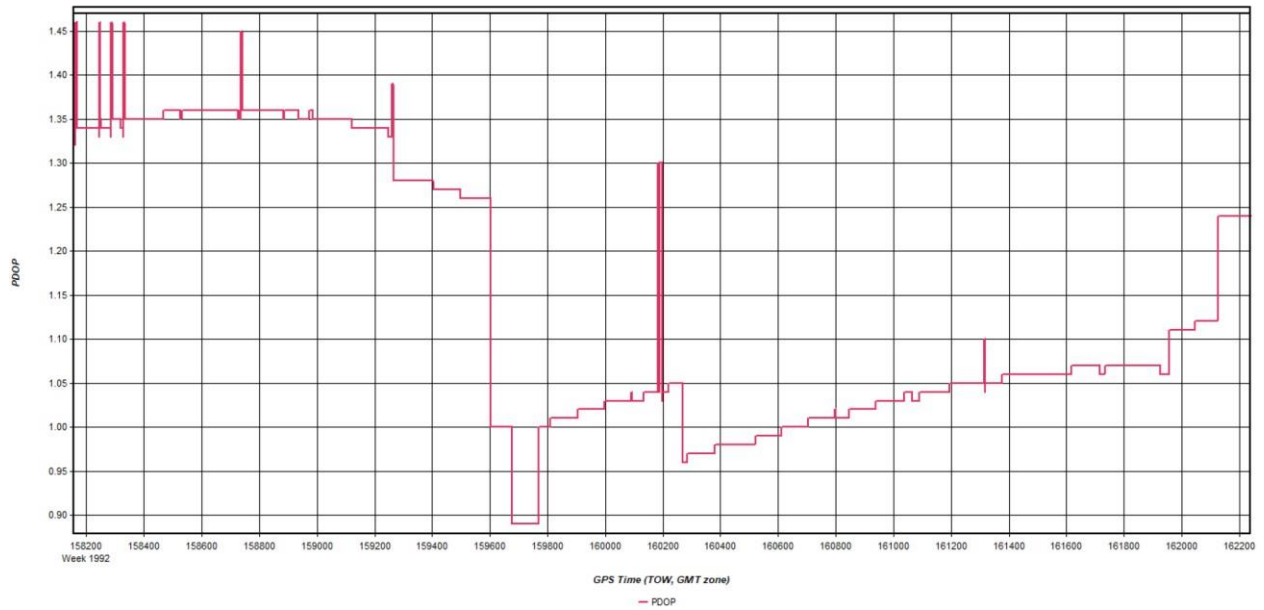
Maximum:	70.690 (km)
Minimum:	0.092 (km)
Average:	25.095 (km)
First Epoch:	0.211 (km)
Last Epoch:	0.397 (km)

Mission 18  
. Flight line trajectory



Mission 18. PDOP

### Mission 18

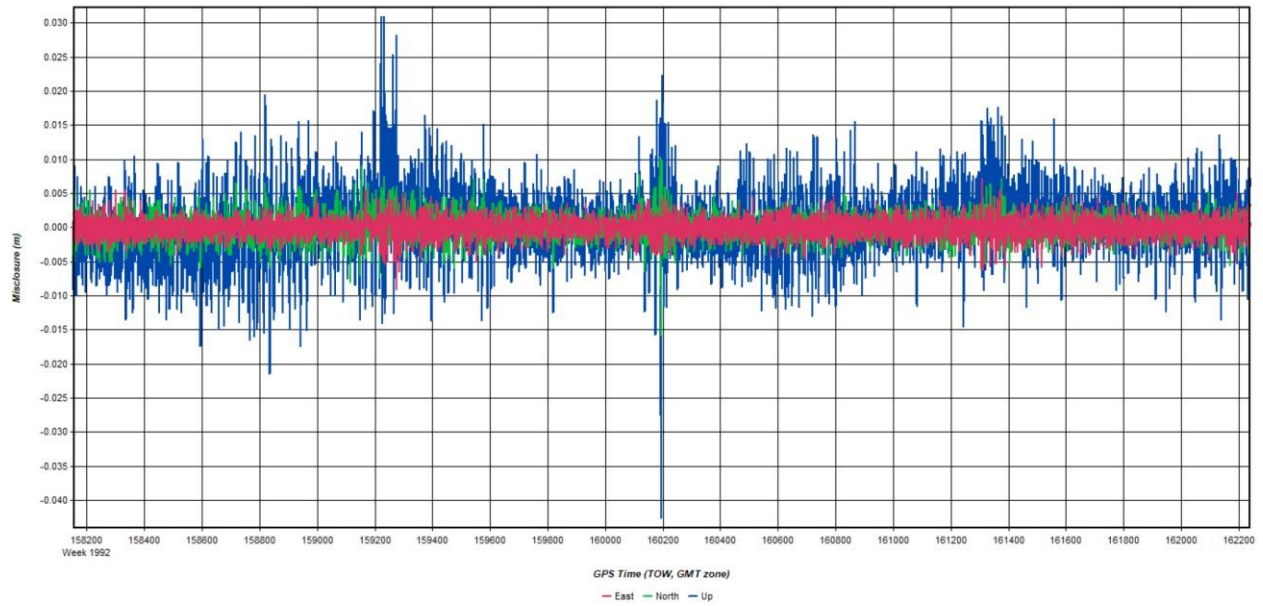


. Number of satellites

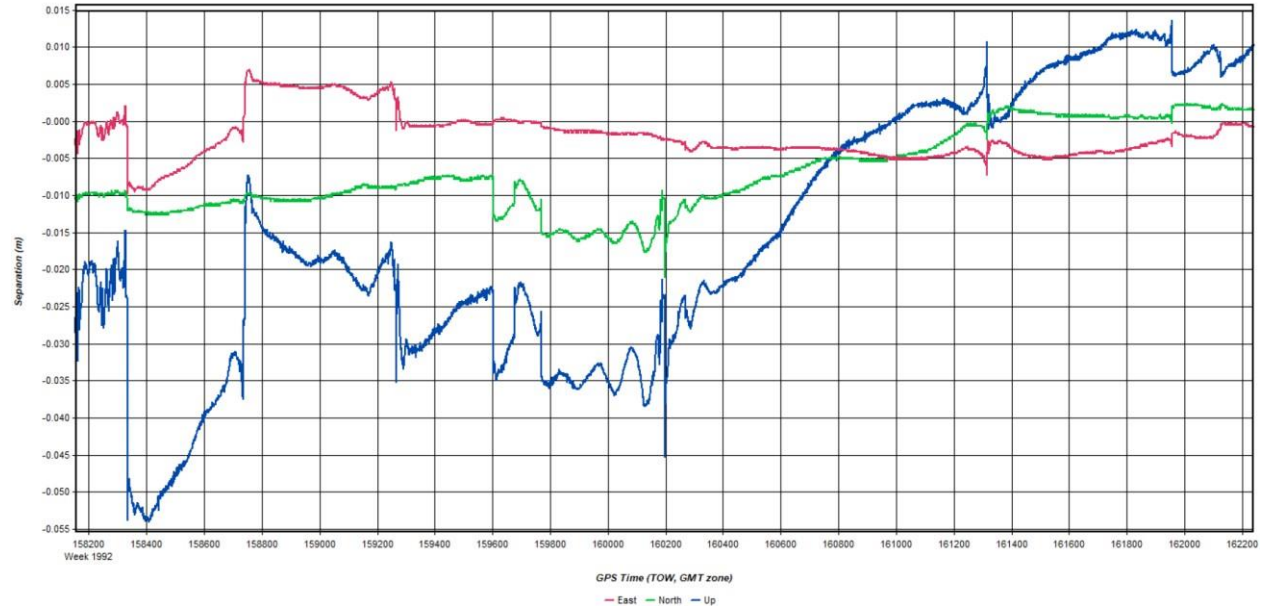


### Mission 18. GPS misclosure

### Mission 18



### . GPS separation





**Mission 18**  
. Processing summary

## Mission 18

### Processing Summary Information

Program: Inertial Explorer  
Version: 8.60.6717

Solution Type: Combined

#### Number of Epochs:

Total in GPB file:	12202
No processed position:	1
Missing Fwd or Rev:	3
With bad C/A code:	0
With bad L1 Phase:	0

#### Measurement RMS Values:

L1 Phase:	0.0158 (m)
C/A Code:	0.61 (m)
L1 Doppler:	0.029 (m/s)

#### Fwd/Rev Separation RMS Values:

East:	0.004 (m)
North:	0.009 (m)
Height:	0.025 (m)

#### Fwd/Rev Sep. RMS for dual FWD/REV fixes (12198 occurrences):

East:	0.004 (m)
North:	0.009 (m)
Height:	0.025 (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 %

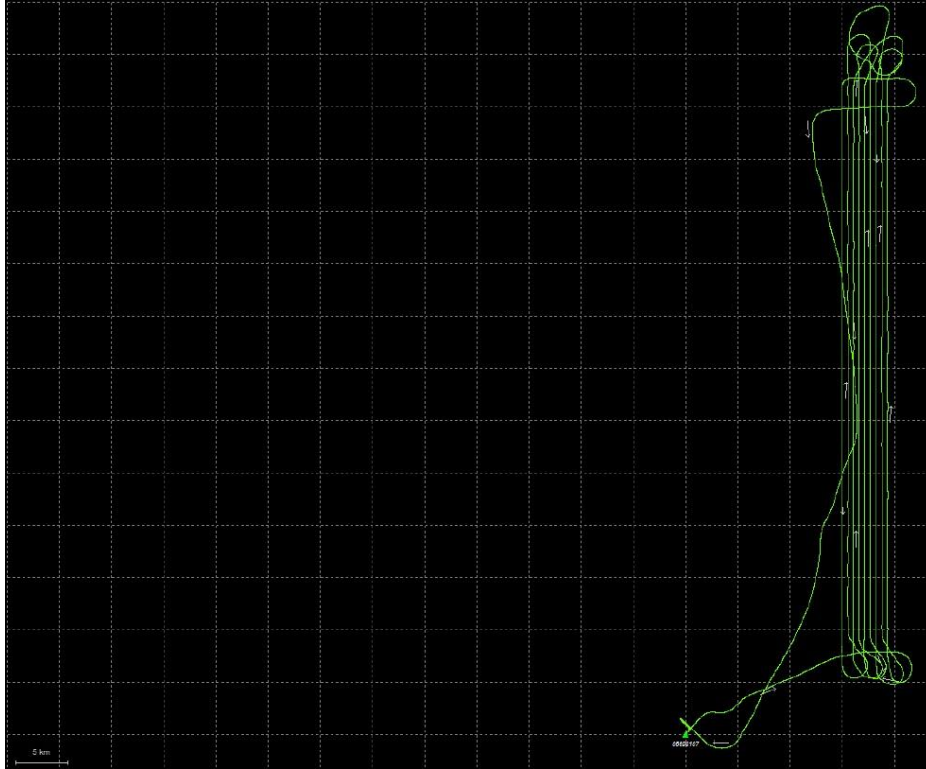
#### Percentages of epochs with DD\_DOP over 10.00:

DOP over Tol:	0.0 %
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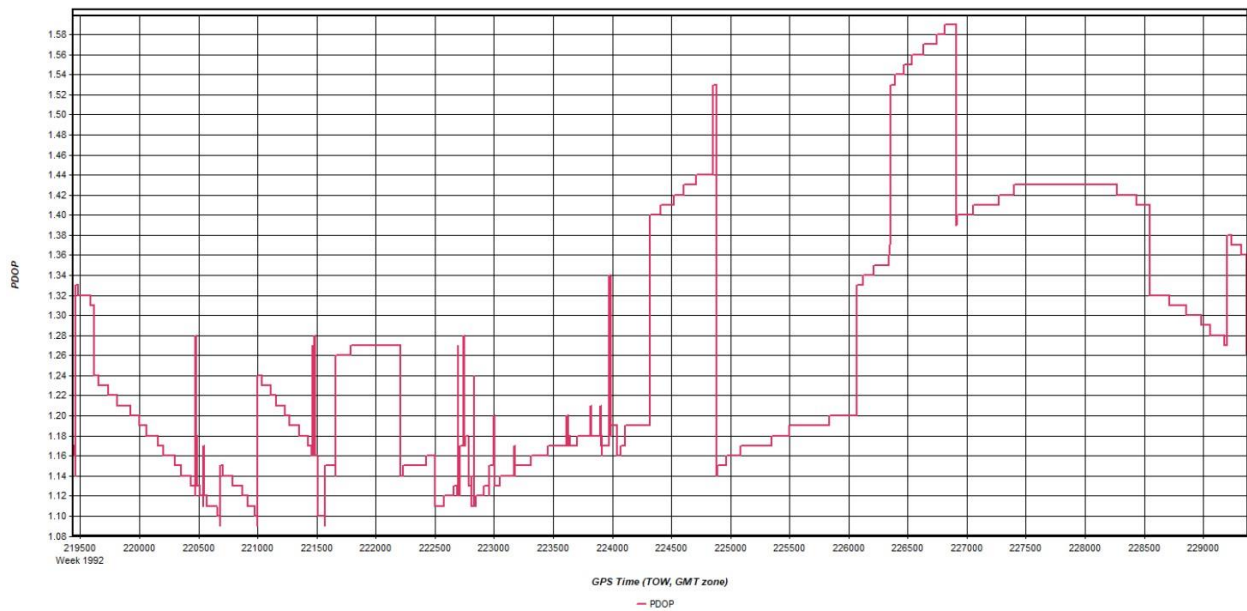
#### Baseline Distances:

Maximum:	68.457 (km)
Minimum:	0.103 (km)
Average:	31.466 (km)
First Epoch:	0.103 (km)
Last Epoch:	3.658 (km)

### Mission 19 . Flight line trajectory

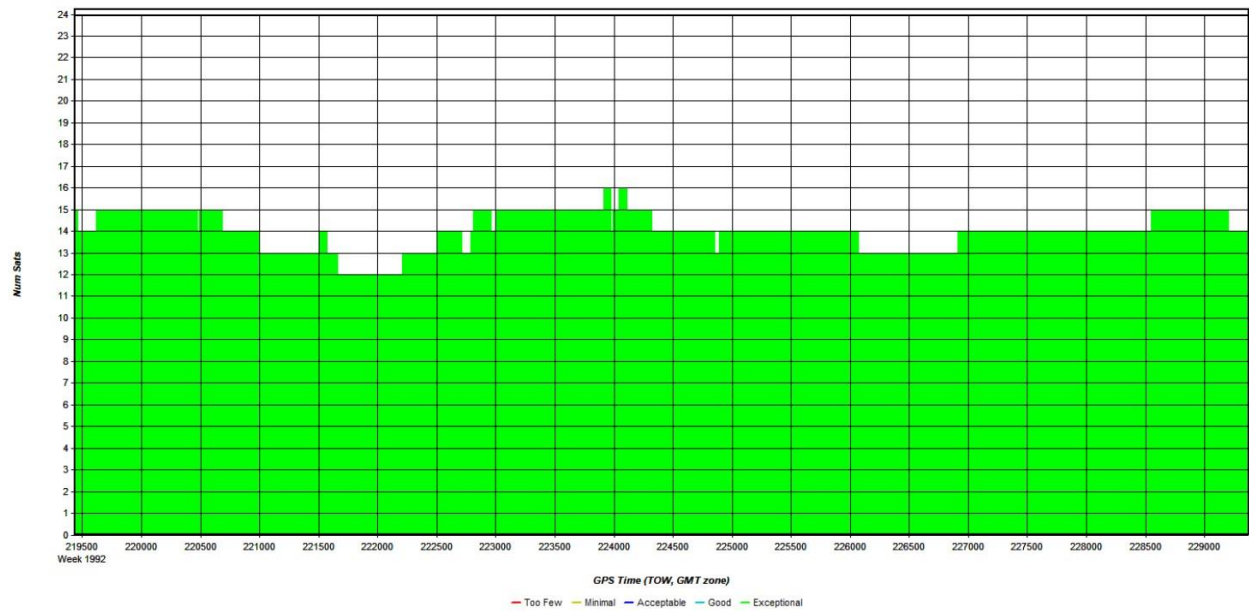


### Mission 19. PDOP

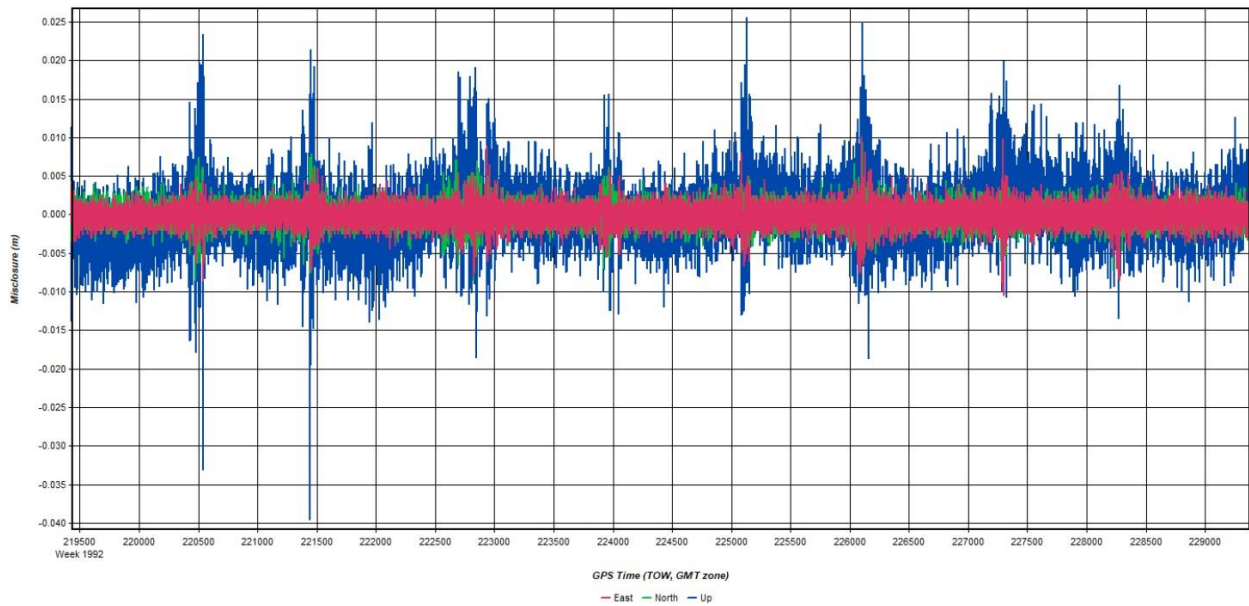


### Mission 19

. Number of satellites

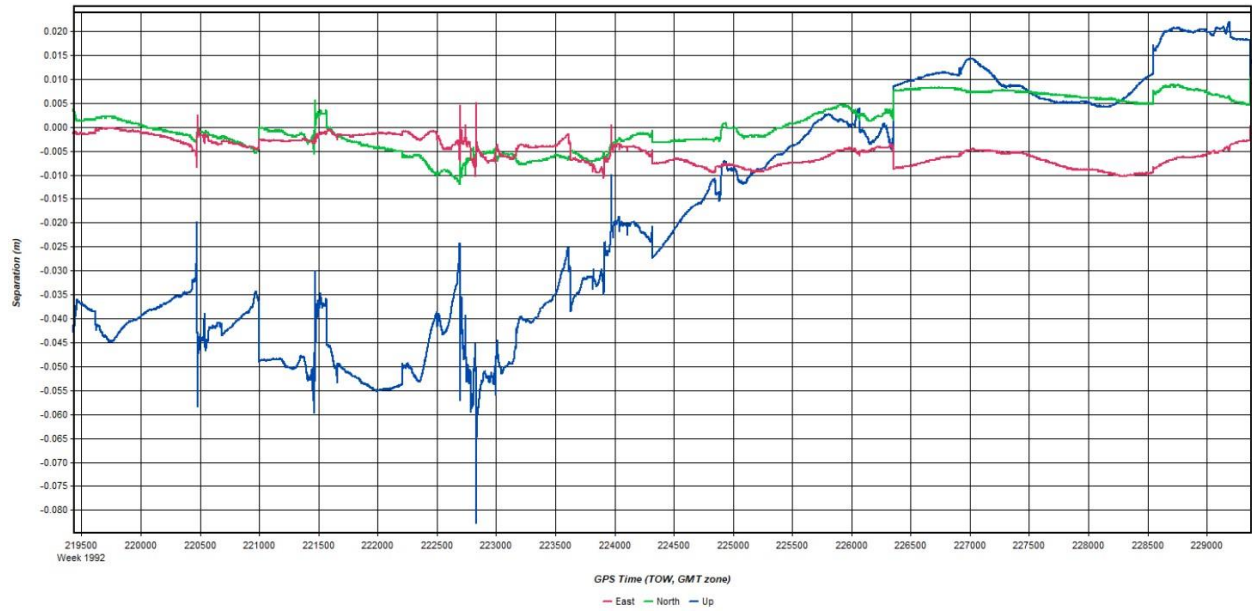


### Mission 19. GPS misclosure



. GPS separation

### Mission 19



Mission 19  
. Processing summary

## Mission 19

### Processing Summary Information

Program: Inertial Explorer  
Version: 8.60.6717

Solution Type: Combined

#### Number of Epochs:

Total in GPB file:	26024
No processed position:	1
Missing Fwd or Rev:	3
With bad C/A code:	0
With bad L1 Phase:	0

#### Measurement RMS Values:

L1 Phase:	0.0147 (m)
C/A Code:	0.52 (m)
L1 Doppler:	0.027 (m/s)

#### Fwd/Rev Separation RMS Values:

East:	0.006 (m)
North:	0.006 (m)
Height:	0.030 (m)

#### Fwd/Rev Sep. RMS for dual FWD/REV fixes (26020 occurrences):

East:	0.006 (m)
North:	0.006 (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:	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 %
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#### Baseline Distances:

Maximum:	70.909 (km)
Minimum:	0.105 (km)
Average:	35.440 (km)
First Epoch:	0.105 (km)
Last Epoch:	0.397 (km)

## Mission

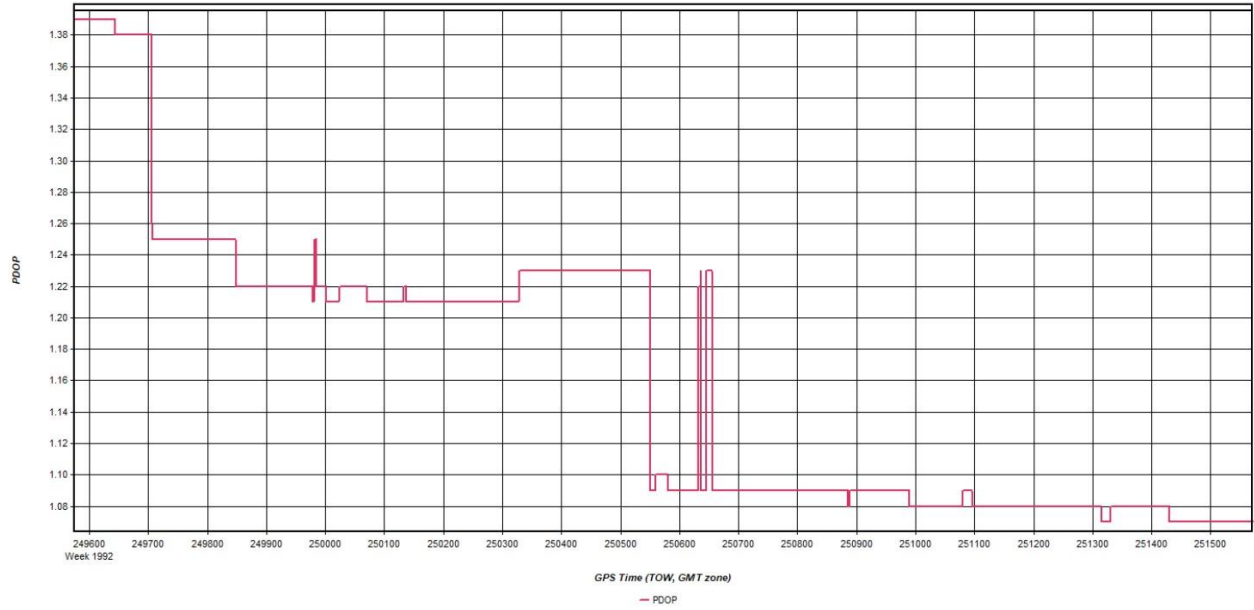
### 20. Flight line trajectory



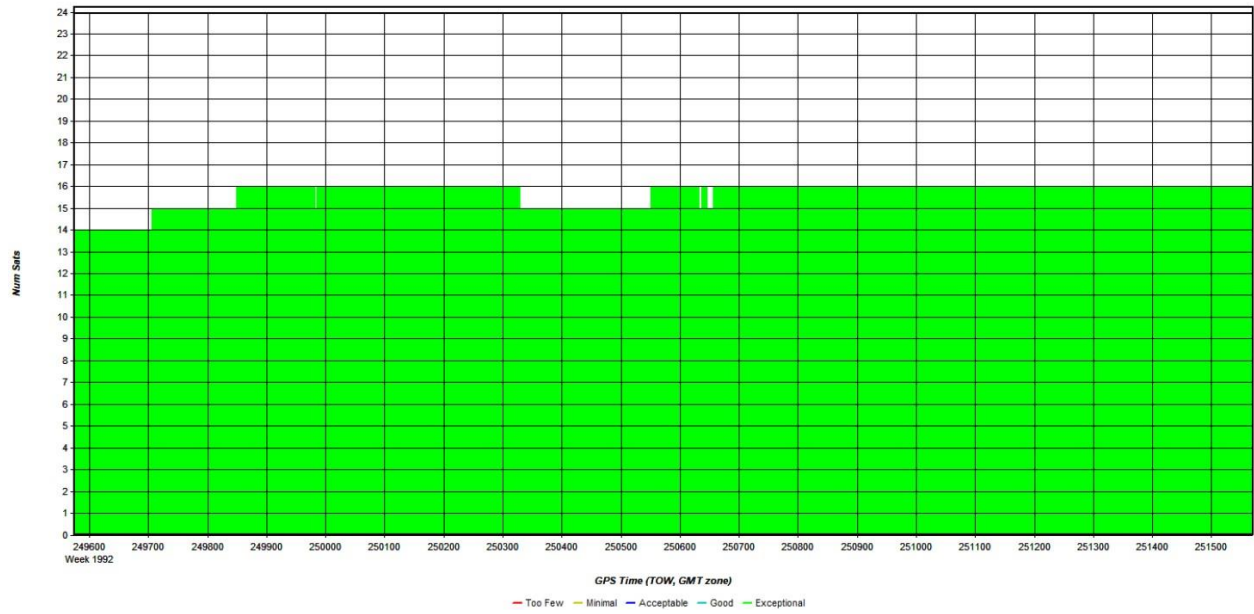
Mission 20. PDOP



### Mission

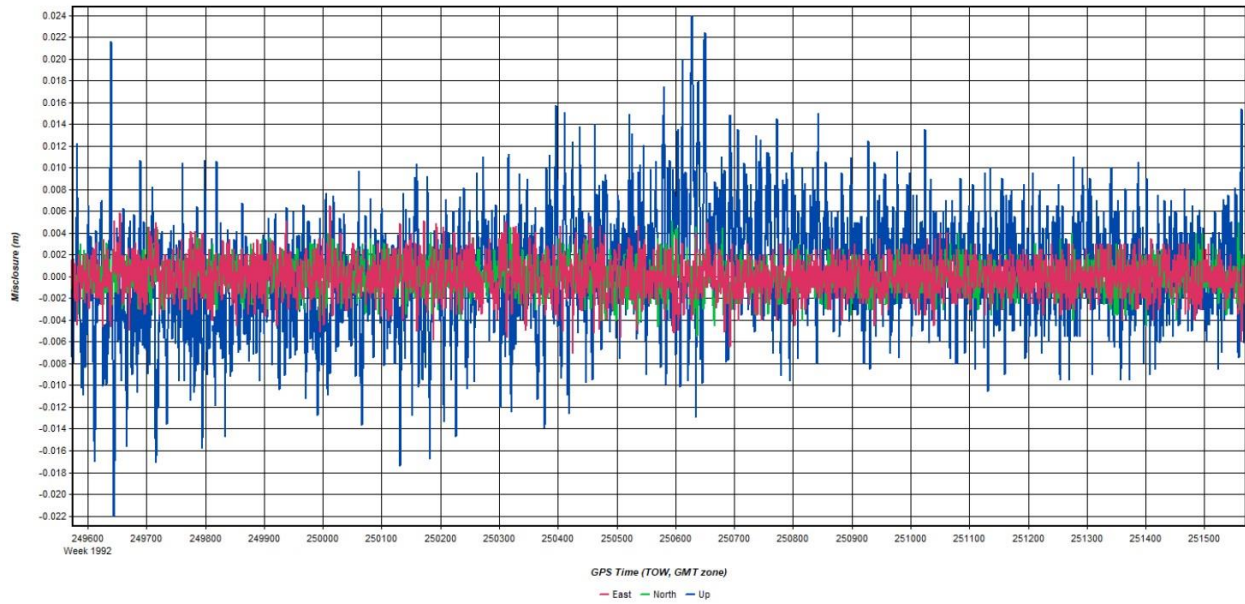


### 20. Number of satellites

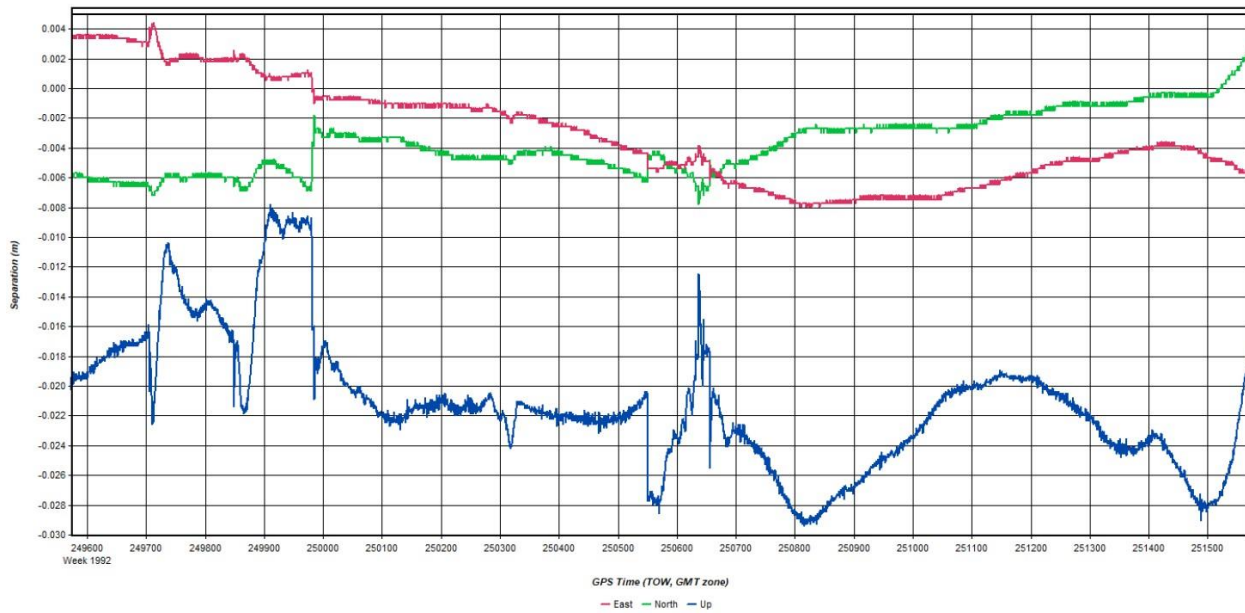


### Mission 20. GPS misclosure

## Mission



## Mission 20. GPS separation



## Mission 20. Processing summary

### Processing Summary Information

Program: Inertial Explorer  
Version: 8.60.6717

Solution Type: Combined

#### Number of Epochs:

Total in GPB file:	7524
No processed position:	2
Missing Fwd or Rev:	3
With bad C/A code:	0
With bad L1 Phase:	0

#### Measurement RMS Values:

L1 Phase:	0.0143 (m)
C/A Code:	0.42 (m)
L1 Doppler:	0.030 (m/s)

#### Fwd/Rev Separation RMS Values:

East:	0.004 (m)
North:	0.005 (m)
Height:	0.022 (m)

#### Fwd/Rev Sep. RMS for dual FWD/REV fixes (7518 occurrences):

East:	0.004 (m)
North:	0.005 (m)
Height:	0.021 (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 %

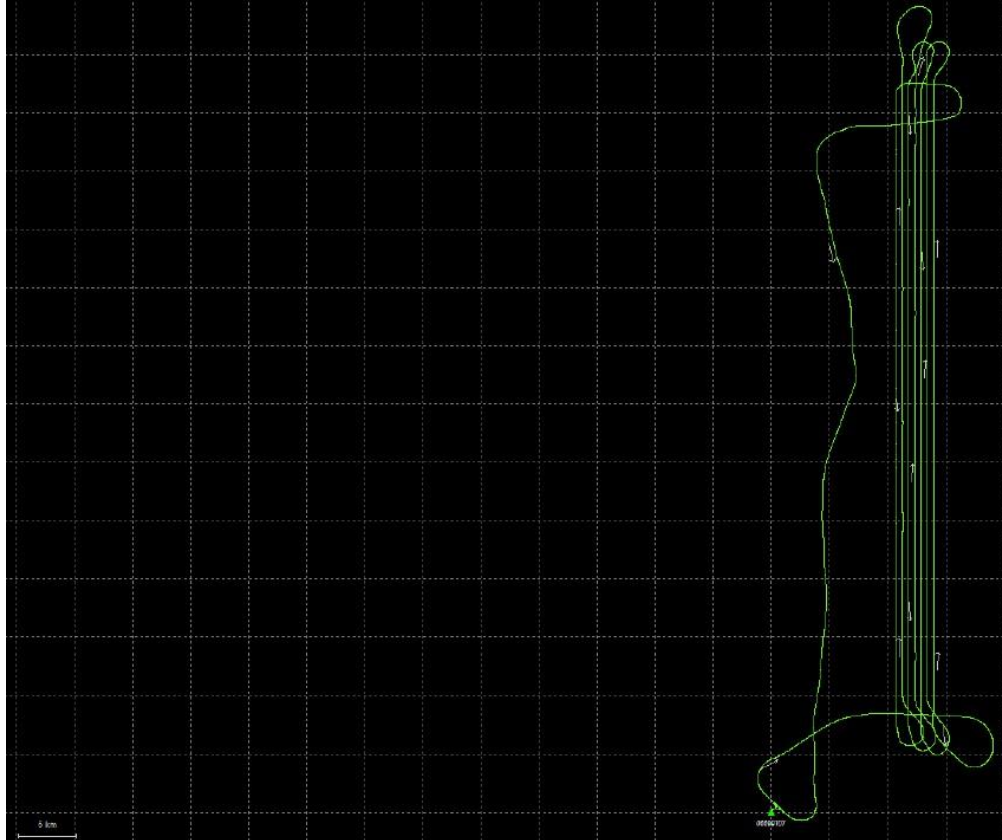
#### Percentages of epochs with DD\_DOP over 10.00:

DOP over Tol:	0.0 %
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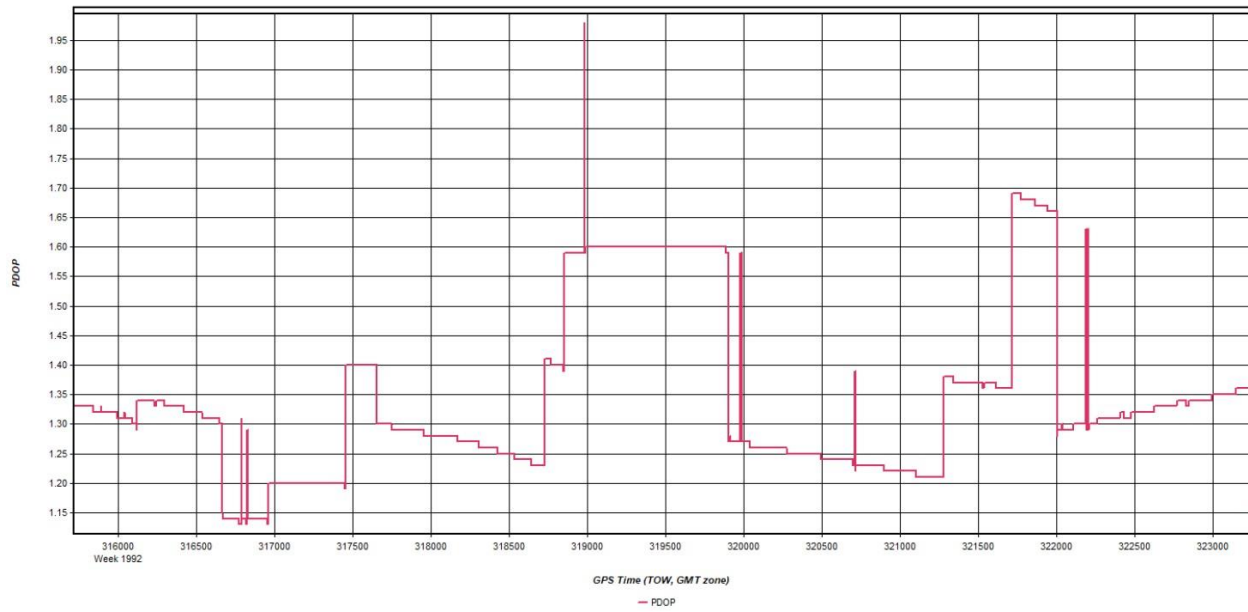
#### Baseline Distances:

Maximum:	67.430 (km)
Minimum:	0.180 (km)
Average:	24.642 (km)
First Epoch:	0.180 (km)
Last Epoch:	0.254 (km)

### Mission 21. Flight line trajectory



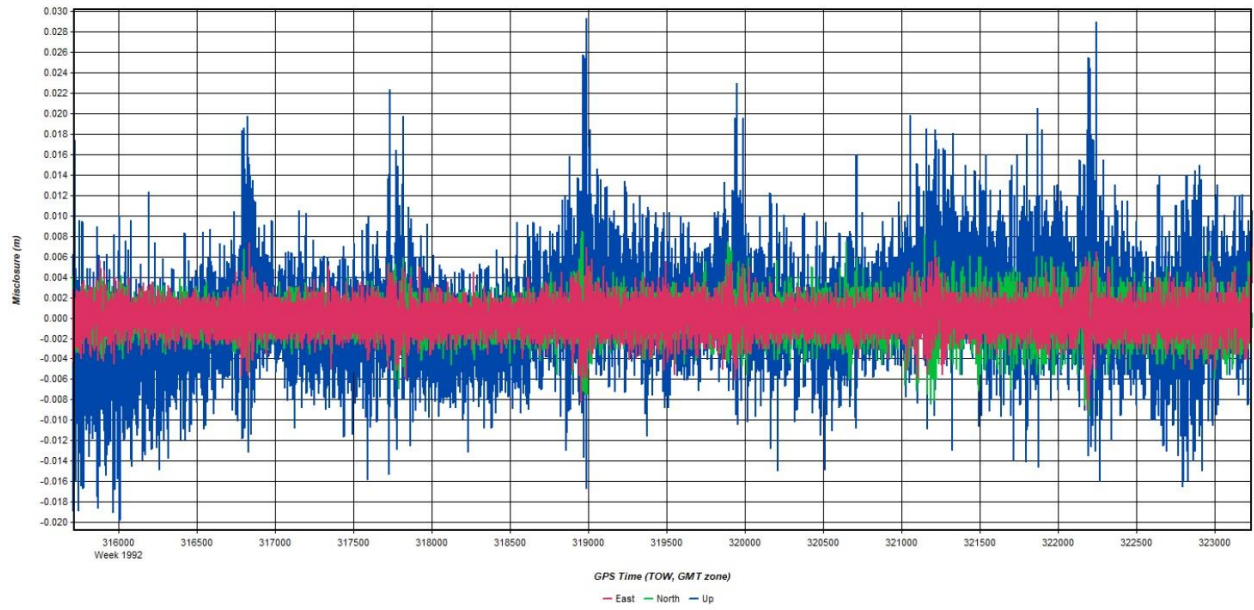
### Mission 21. PDOP



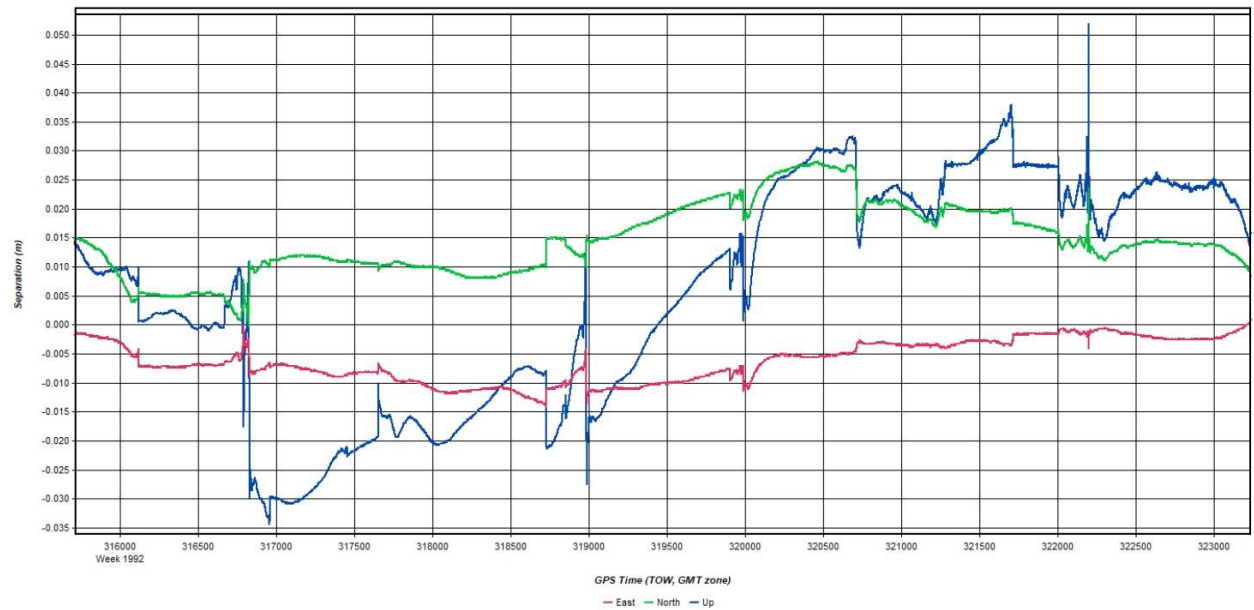
Mission 21. Number of satellites



Mission 21. GPS misclosure



### Mission 21. GPS separation



## Mission 21. Processing summary



### Processing Summary Information

Program: Inertial Explorer  
Version: 8.60.6717

Solution Type: Combined

#### Number of Epochs:

Total in GPB file:	20993
No processed position:	2
Missing Fwd or Rev:	3
With bad C/A code:	0
With bad L1 Phase:	0

#### Measurement RMS Values:

L1 Phase:	0.0145 (m)
C/A Code:	0.47 (m)
L1 Doppler:	0.029 (m/s)

#### Fwd/Rev Separation RMS Values:

East:	0.006 (m)
North:	0.015 (m)
Height:	0.018 (m)

#### Fwd/Rev Sep. RMS for dual FWD/REV fixes (20988 occurrences):

East:	0.006 (m)
North:	0.015 (m)
Height:	0.018 (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 %

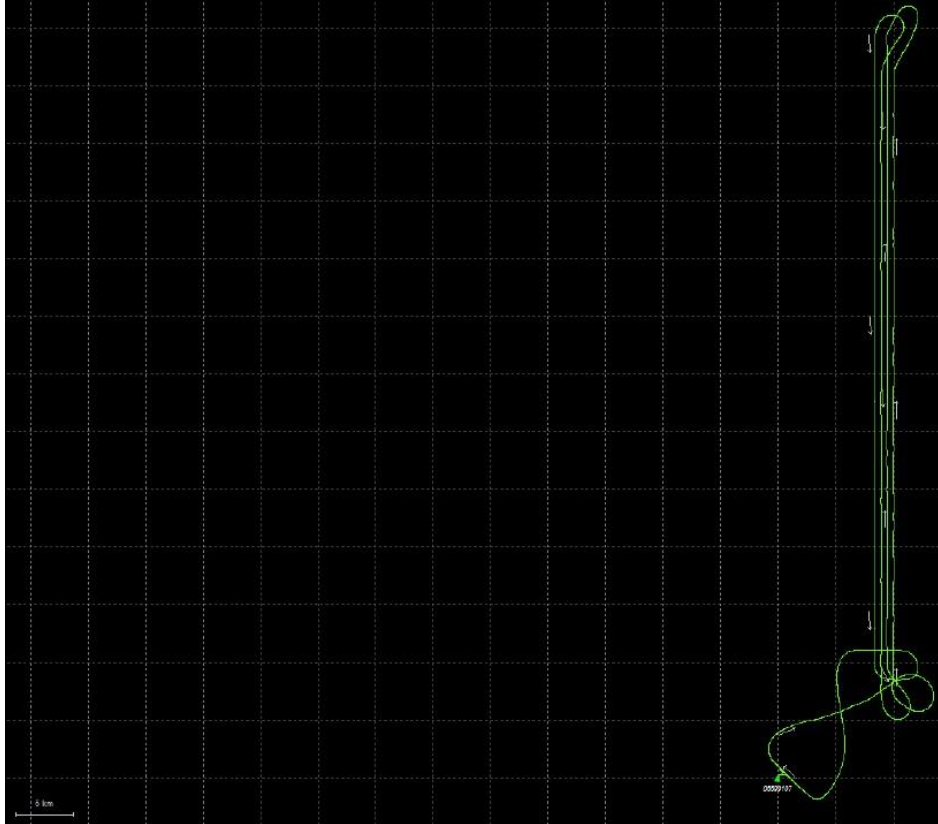
#### Percentages of epochs with DD\_DOP over 10.00:

DOP over Tol:	0.0 %
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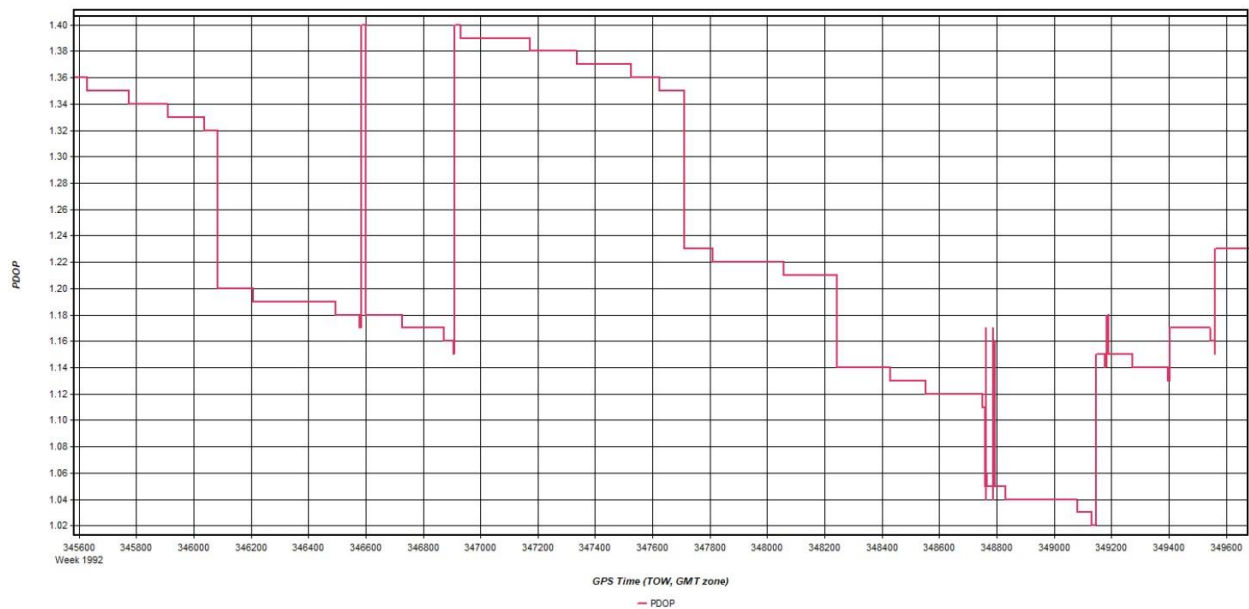
#### Baseline Distances:

Maximum:	69.130 (km)
Minimum:	0.134 (km)
Average:	32.278 (km)
First Epoch:	0.135 (km)
Last Epoch:	0.223 (km)

### Mission 22. Flight line trajectory



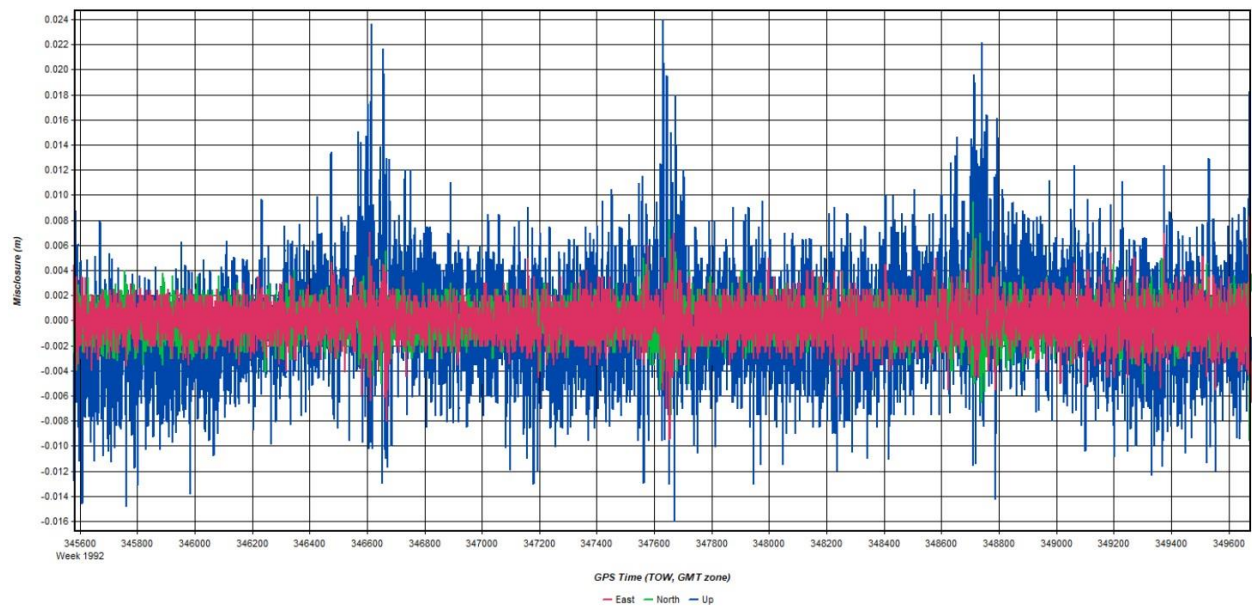
### Mission 22. PDOP



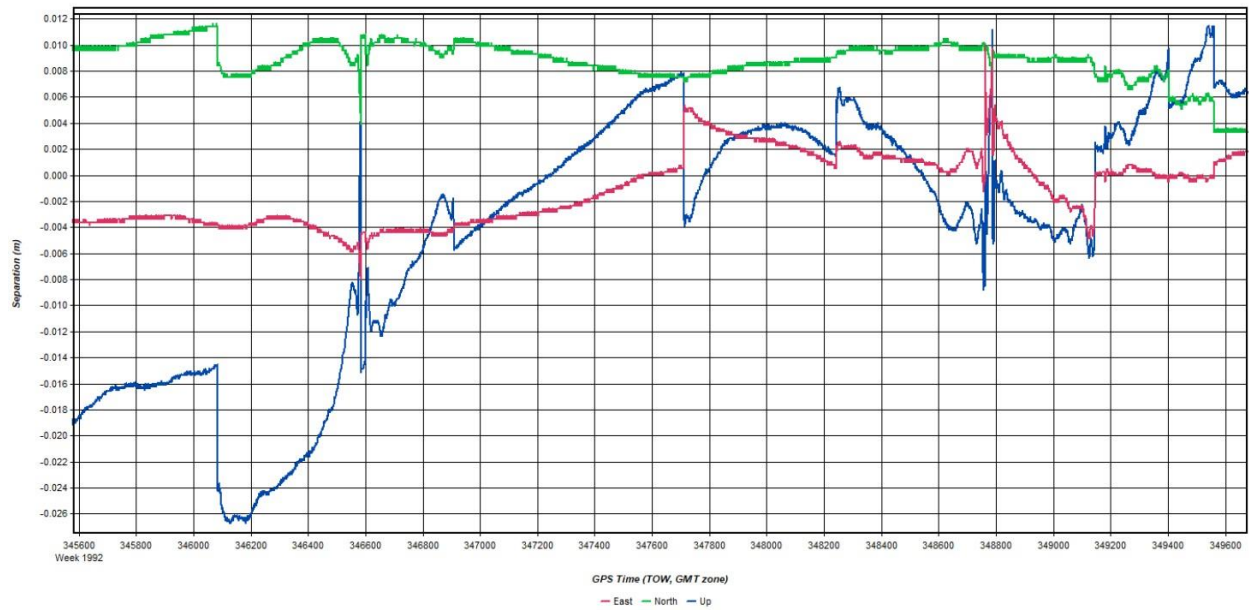
### Mission 22. Number of satellites



### Mission 22. GPS misclosure



### Mission 22. GPS separation



## Mission 22. Processing summary

### Processing Summary Information

Program: Inertial Explorer  
Version: 8.60.6717

Solution Type: Combined

#### Number of Epochs:

Total in GPB file:	12702
No processed position:	1
Missing Fwd or Rev:	14
With bad C/A code:	0
With bad L1 Phase:	0

#### Measurement RMS Values:

L1 Phase:	0.0137 (m)
C/A Code:	0.53 (m)
L1 Doppler:	0.031 (m/s)

#### Fwd/Rev Separation RMS Values:

East:	0.003 (m)
North:	0.008 (m)
Height:	0.012 (m)

#### Fwd/Rev Sep. RMS for dual FWD/REV fixes (12686 occurrences):

East:	0.003 (m)
North:	0.008 (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 %

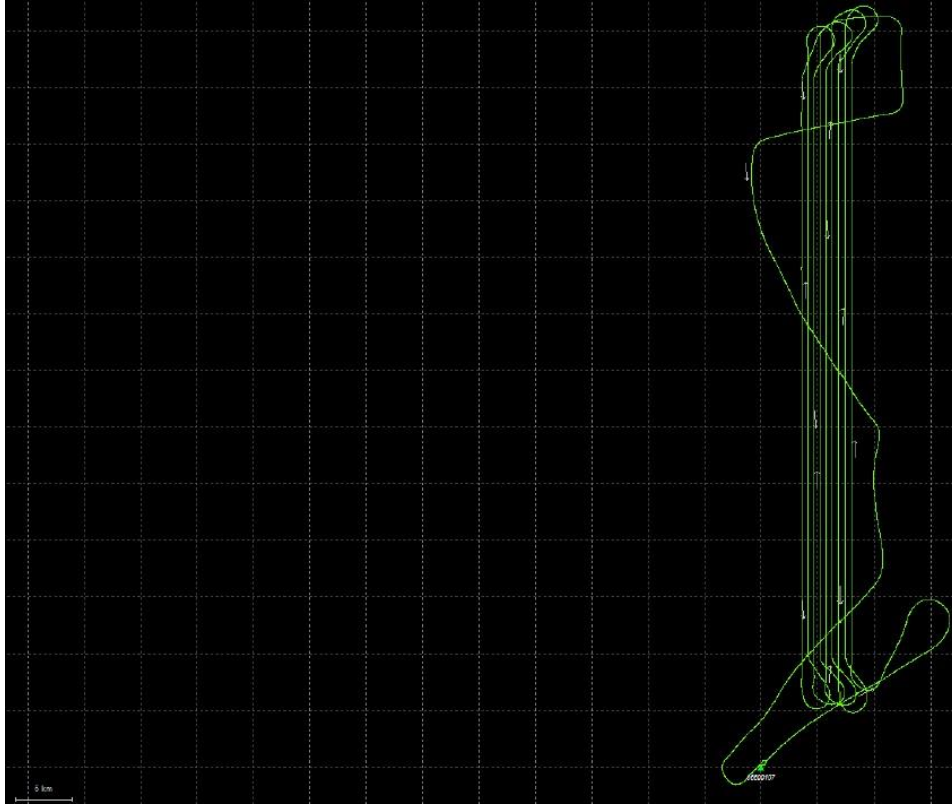
#### Percentages of epochs with DD\_DOP over 10.00:

DOP over Tol:	0.0 %
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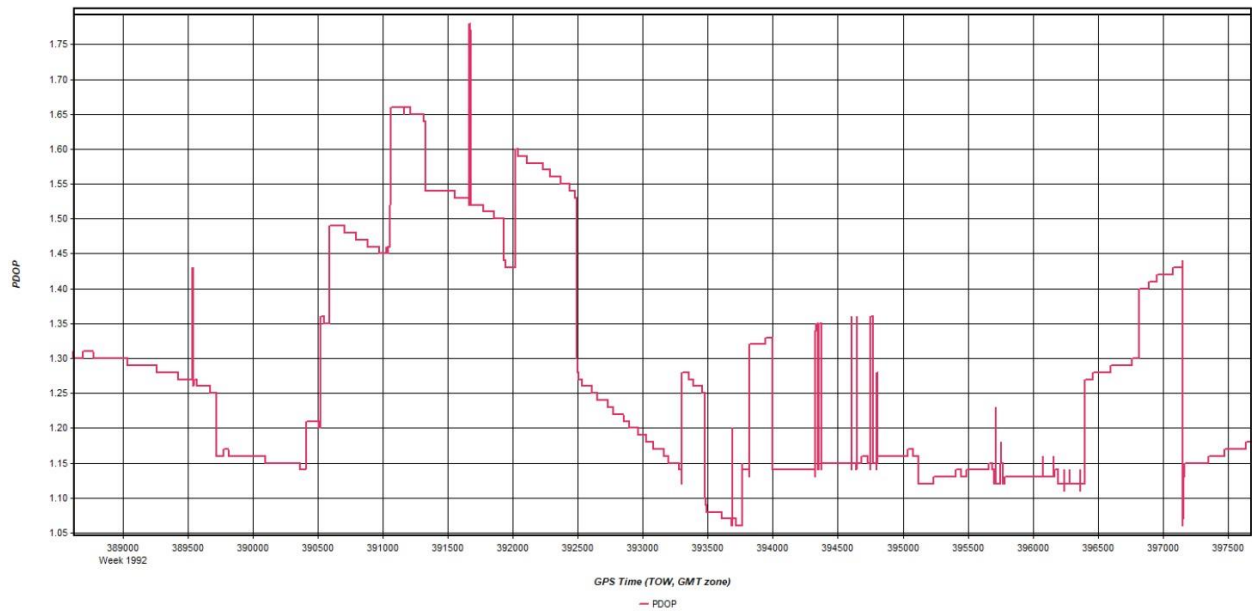
#### Baseline Distances:

Maximum:	67.657 (km)
Minimum:	0.101 (km)
Average:	26.327 (km)
First Epoch:	0.101 (km)
Last Epoch:	0.171 (km)

### Mission 23. Flight line trajectory



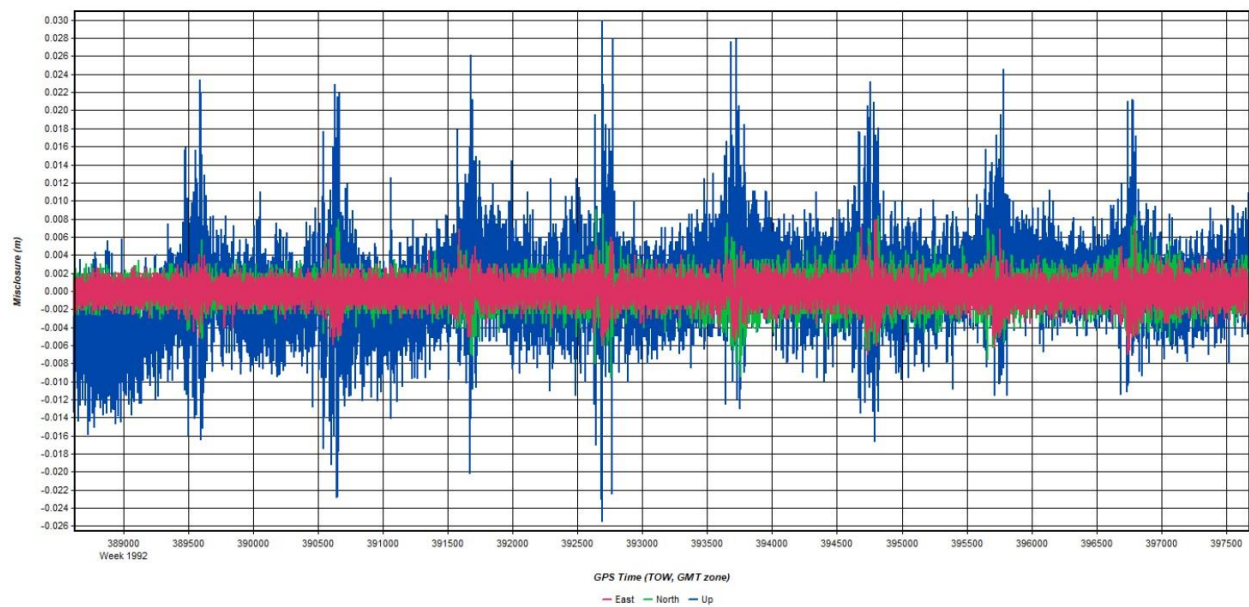
### Mission 23. PDOP



### Mission 23. Number of satellites

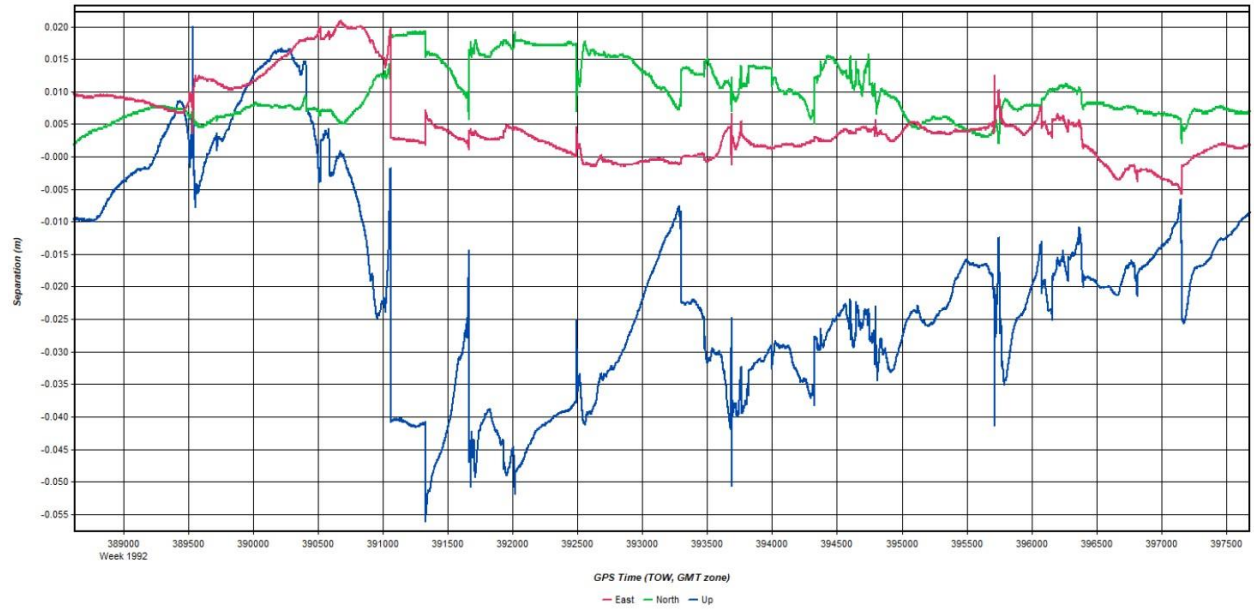


### Mission 23. GPS misclosure



### Mission 23. GPS separation





## Mission 23. Processing summary

| Processing Summary Information

Program: Inertial Explorer  
Version: 8.60.6717

Solution Type: Combined

Number of Epochs:

Total in GPB file:	24504
No processed position:	1
Missing Fwd or Rev:	3
With bad C/A code:	0
With bad L1 Phase:	0

Measurement RMS Values:

L1 Phase:	0.0144 (m)
C/A Code:	0.52 (m)
L1 Doppler:	0.028 (m/s)

Fwd/Rev Separation RMS Values:

East:	0.008 (m)
North:	0.010 (m)
Height:	0.024 (m)

Fwd/Rev Sep. RMS for dual FWD/REV fixes (24500 occurrences):

East:	0.008 (m)
North:	0.010 (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:	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 %

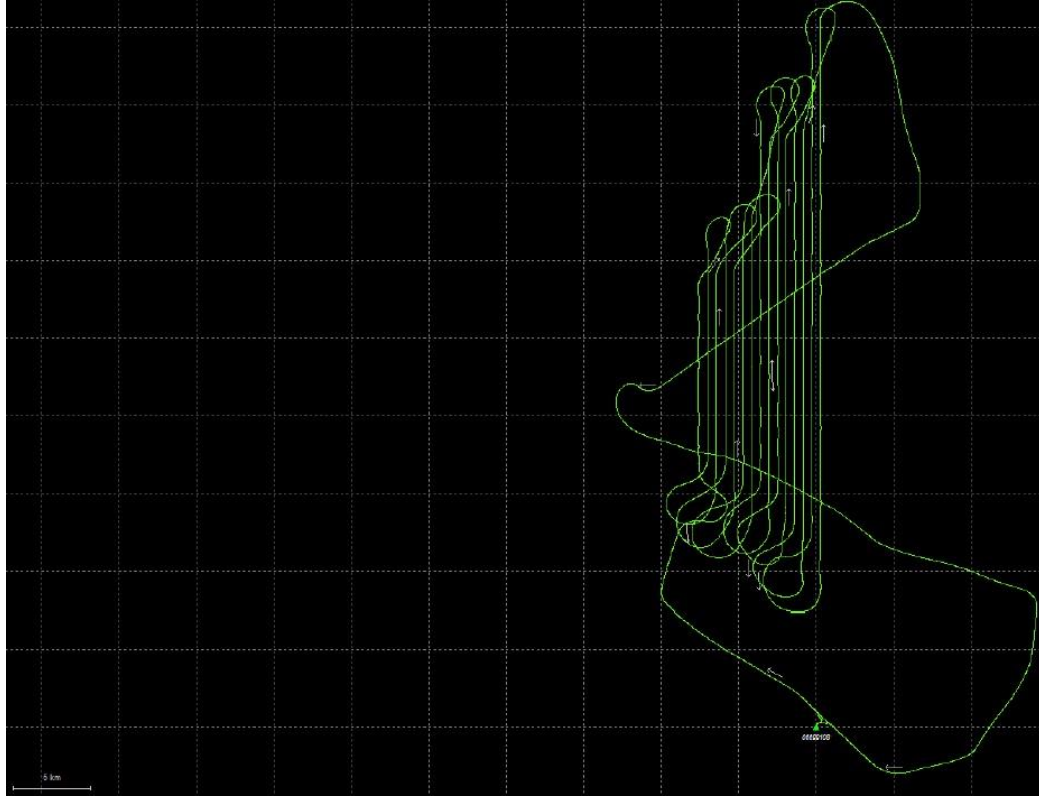
Percentages of epochs with DD\_DOP over 10.00:

DOP over Tol:	0.0 %
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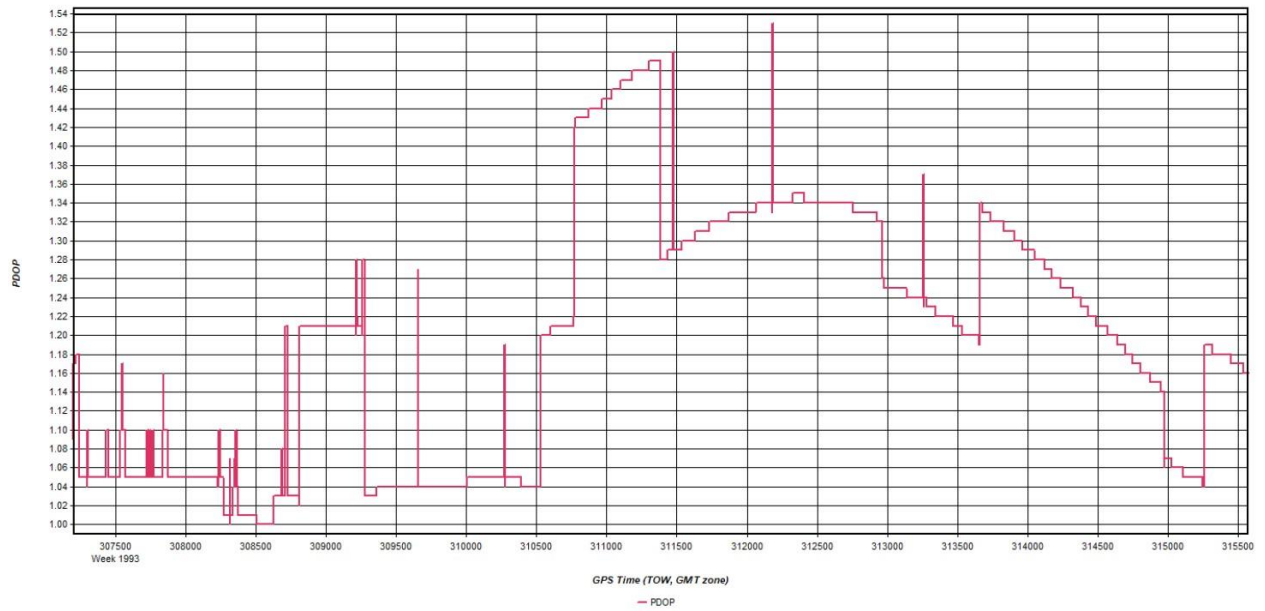
Baseline Distances:

Maximum:	66.946 (km)
Minimum:	0.210 (km)
Average:	32.390 (km)
First Epoch:	0.210 (km)
Last Epoch:	0.260 (km)

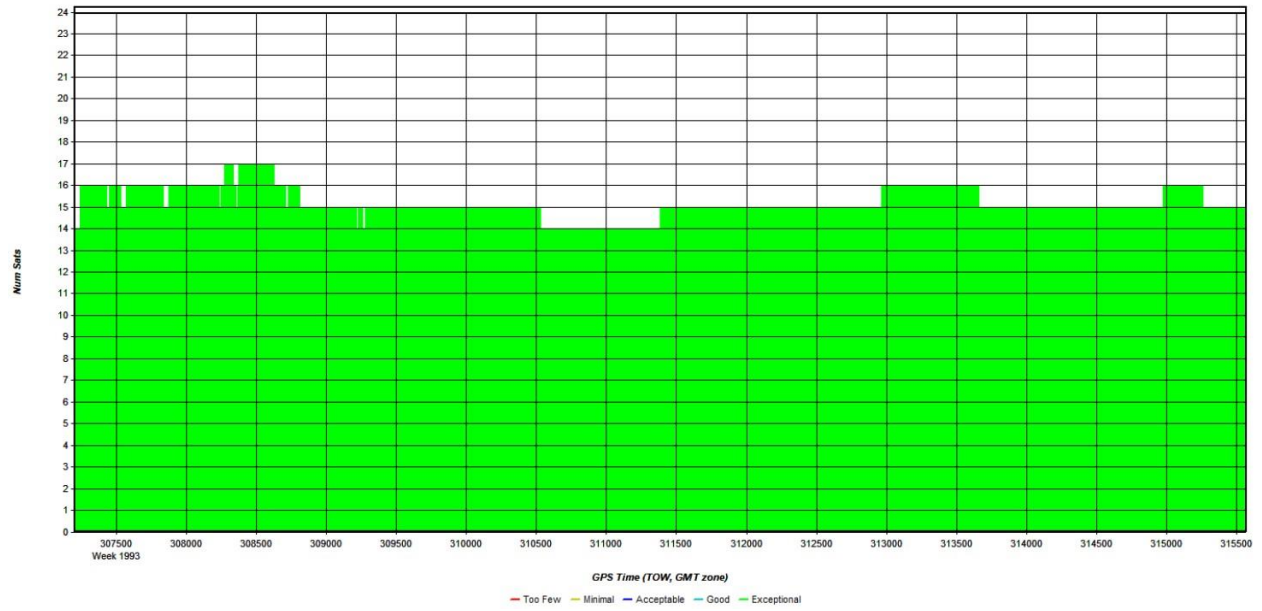
### Mission 24. Flight line trajectory



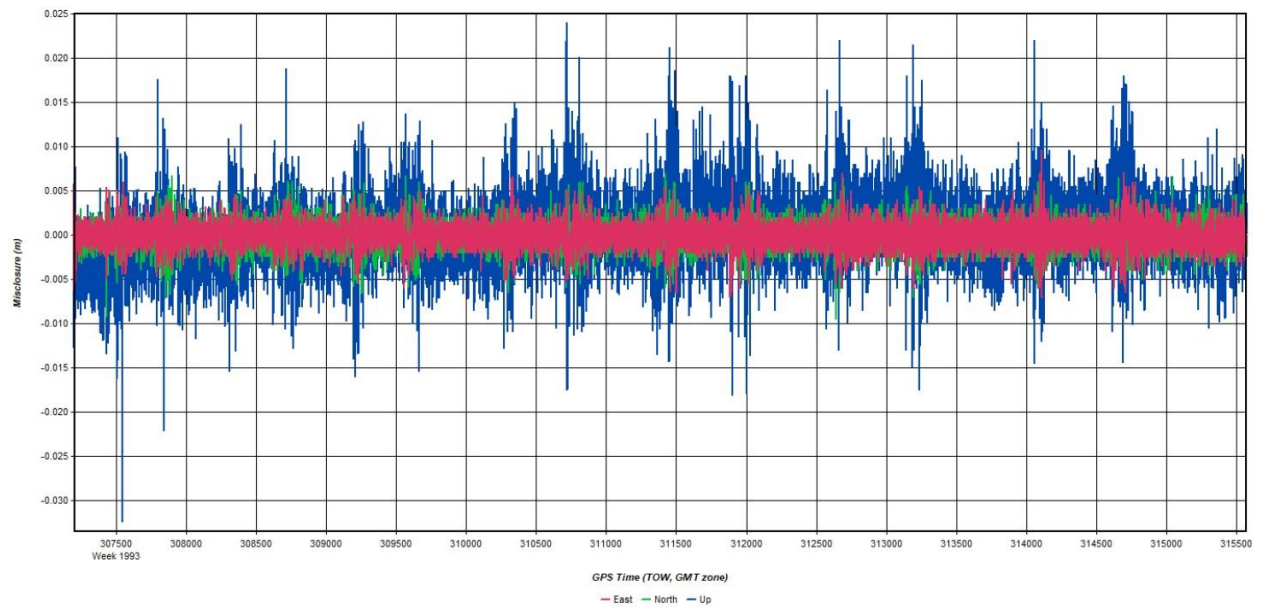
### Mission 24. PDOP



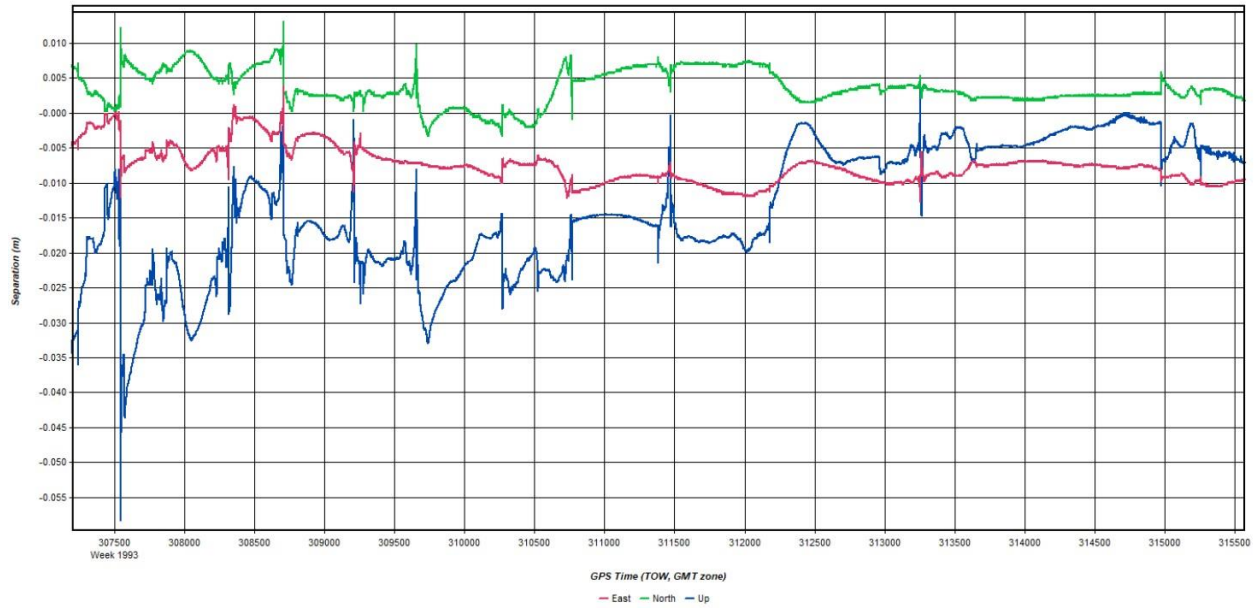
### Mission 24. Number of satellites



### Mission 24. GPS misclosure



### Mission 24. GPS separation



## Mission 24. Processing summary

### Processing Summary Information

Program: Inertial Explorer  
Version: 8.60.6717

Solution Type: Combined

#### Number of Epochs:

Total in GPB file:	22793
No processed position:	2
Missing Fwd or Rev:	3
With bad C/A code:	0
With bad L1 Phase:	0

#### Measurement RMS Values:

L1 Phase:	0.0142 (m)
C/A Code:	0.51 (m)
L1 Doppler:	0.029 (m/s)

#### Fwd/Rev Separation RMS Values:

East:	0.007 (m)
North:	0.005 (m)
Height:	0.018 (m)

#### Fwd/Rev Sep. RMS for dual FWD/REV fixes (22787 occurrences):

East:	0.007 (m)
North:	0.004 (m)
Height:	0.018 (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 %
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#### Baseline Distances:

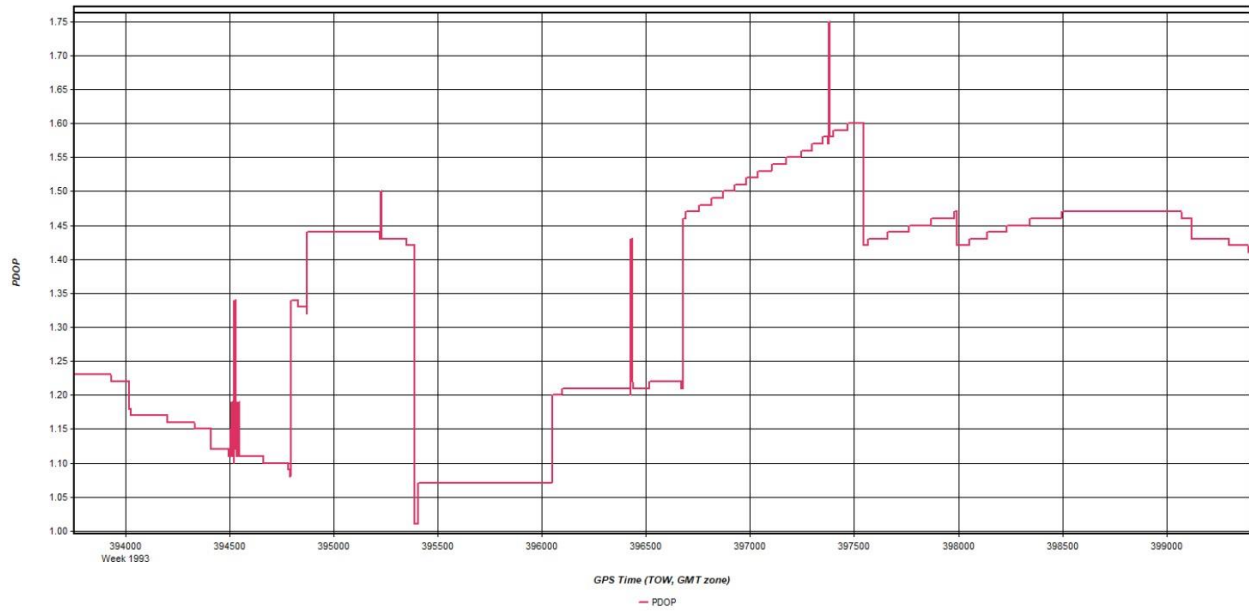
Maximum:	46.569 (km)
Minimum:	0.105 (km)
Average:	21.946 (km)
First Epoch:	0.105 (km)
Last Epoch:	0.239 (km)



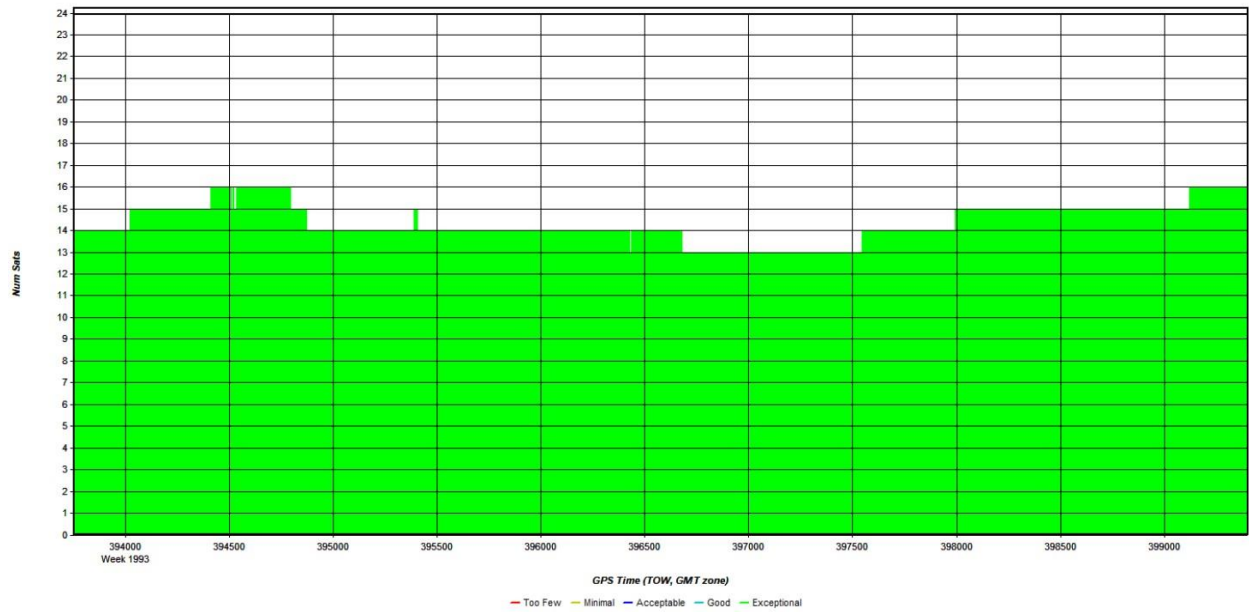
### Mission 25. Flight line trajectory



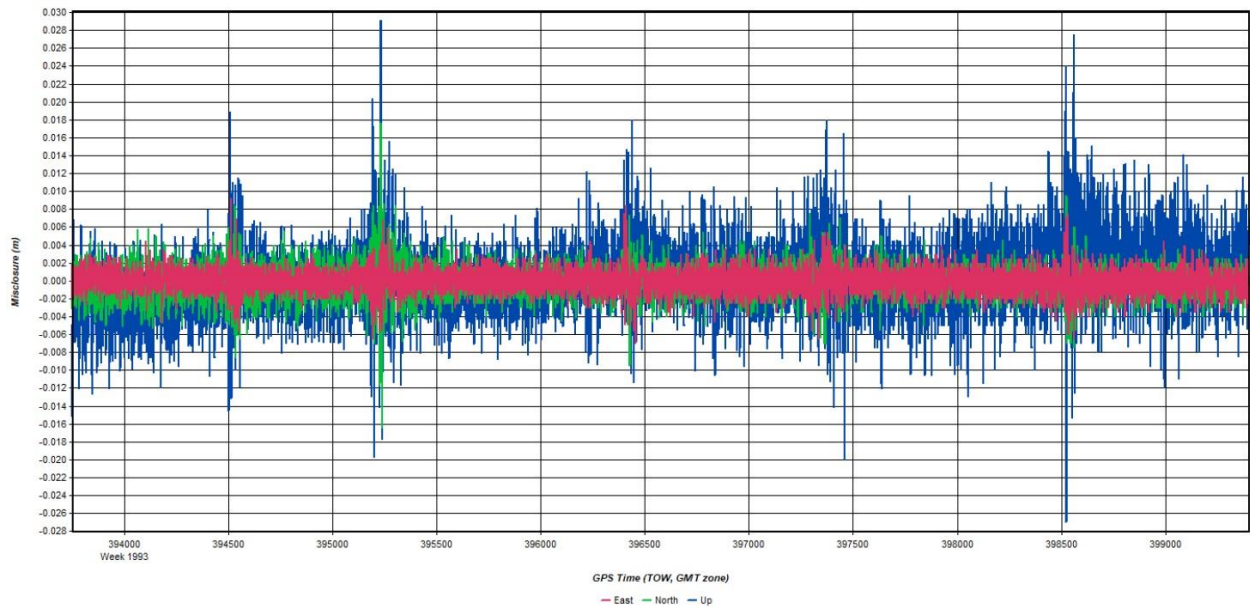
### Mission 25. PDOP



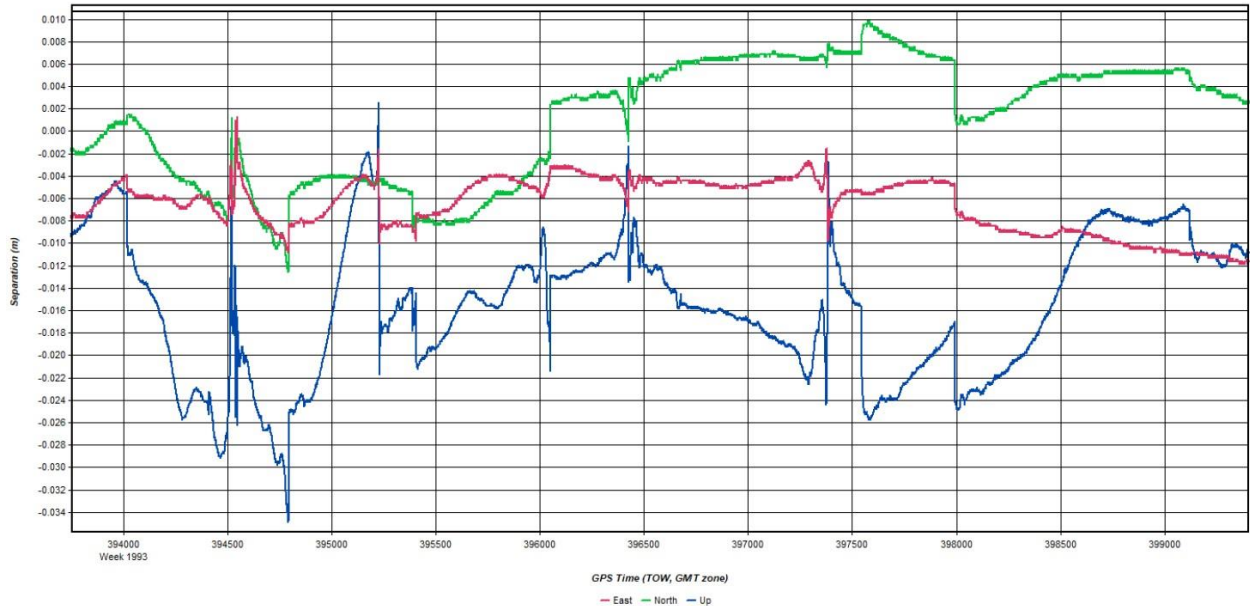
Mission 25. Number of satellites



Mission 25. GPS misclosure



### Mission 25. GPS separation



## Mission 25. Processing summary

### Processing Summary Information

Program: Inertial Explorer  
Version: 8.60.6717

Solution Type: Combined

#### Number of Epochs:

Total in GPB file:	16563
No processed position:	6
Missing Fwd or Rev:	244
With bad C/A code:	0
With bad L1 Phase:	0

#### Measurement RMS Values:

L1 Phase:	0.0156 (m)
C/A Code:	0.65 (m)
L1 Doppler:	0.030 (m/s)

#### Fwd/Rev Separation RMS Values:

East:	0.014 (m)
North:	0.013 (m)
Height:	0.008 (m)

#### Fwd/Rev Sep. RMS for dual FWD/REV fixes (16313 occurrences):

East:	0.014 (m)
North:	0.013 (m)
Height:	0.008 (m)

#### Quality Number Percentages:

Q 1:	55.2 %
Q 2:	39.2 %
Q 3:	5.5 %
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 %

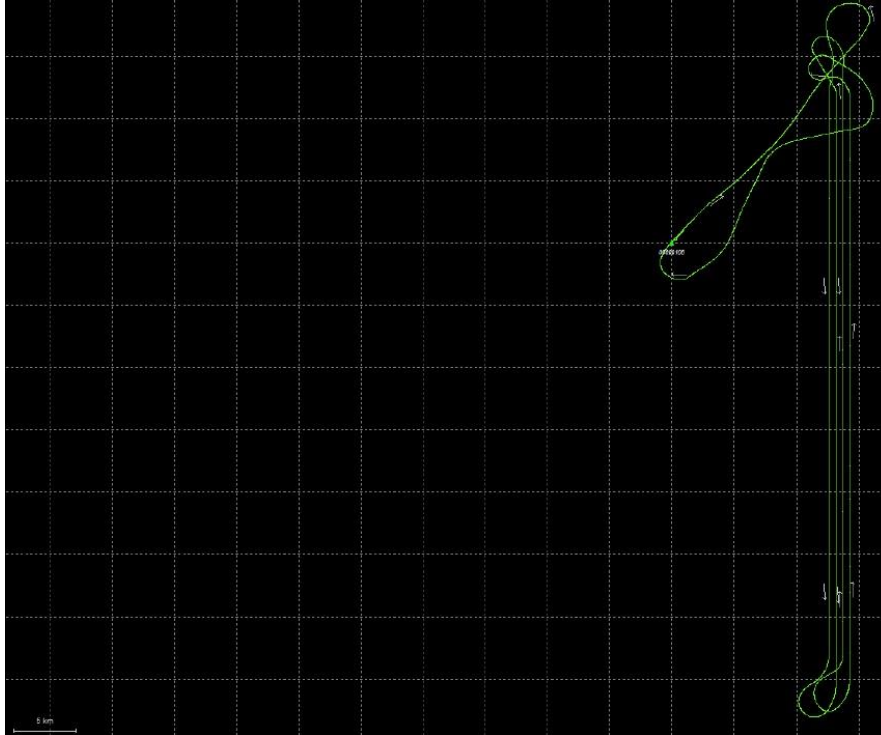
#### Percentages of epochs with DD\_DOP over 10.00:

DOP over Tol:	0.0 %
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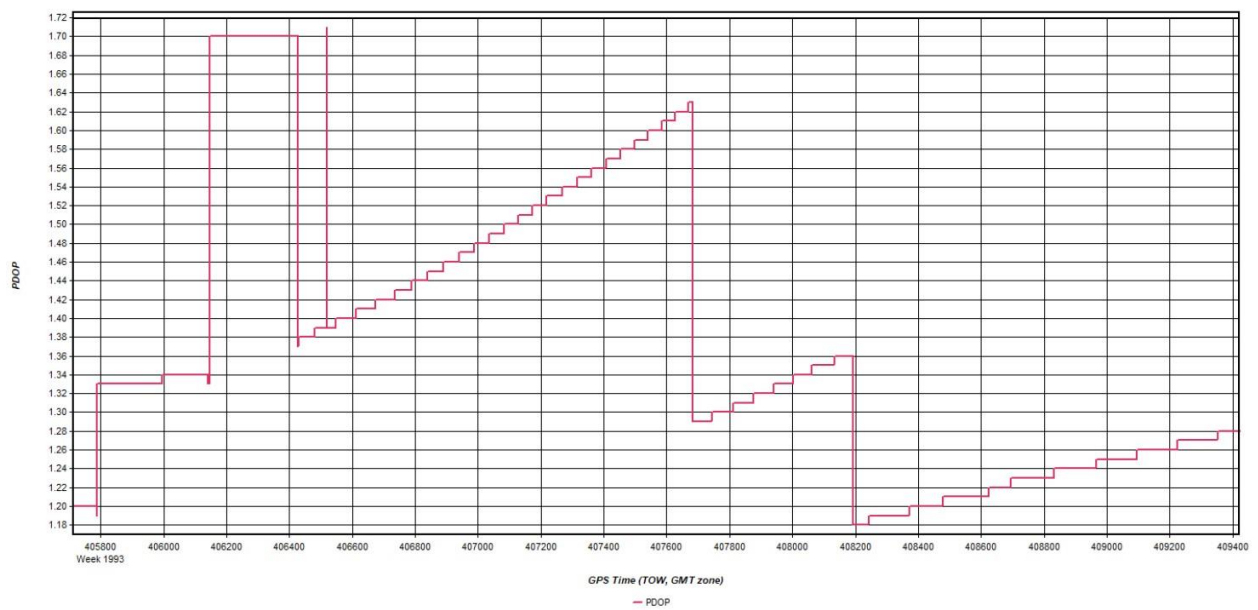
#### Baseline Distances:

Maximum:	63.869 (km)
Minimum:	0.104 (km)
Average:	23.549 (km)
First Epoch:	0.104 (km)
Last Epoch:	0.104 (km)

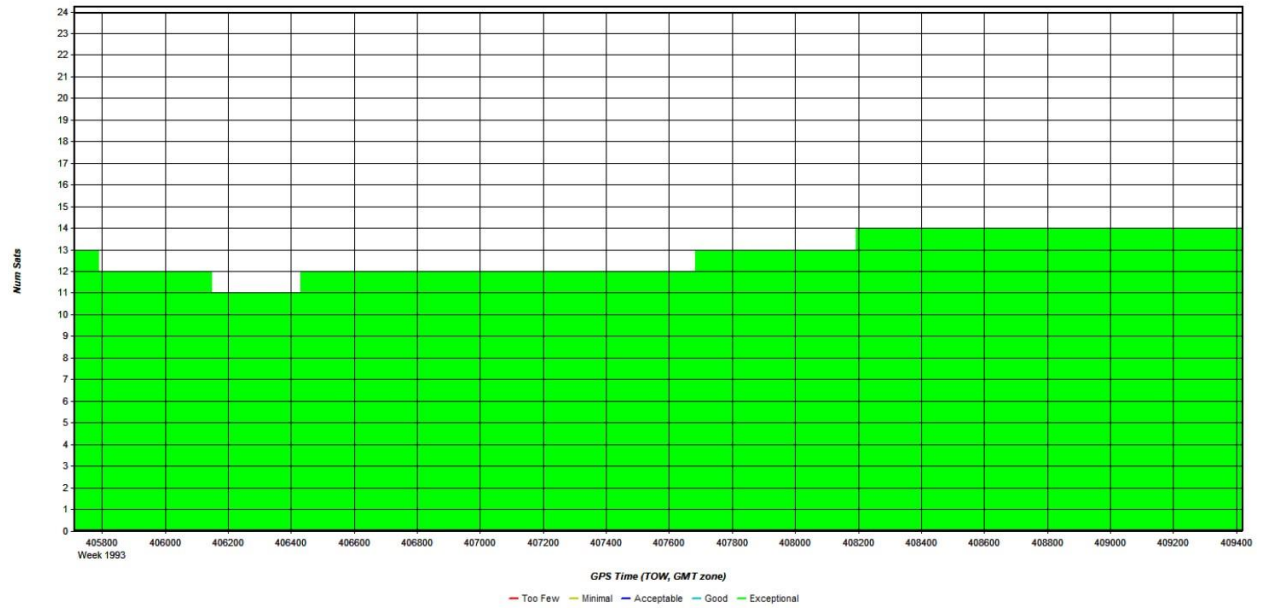
### Mission 26. Flight line trajectory



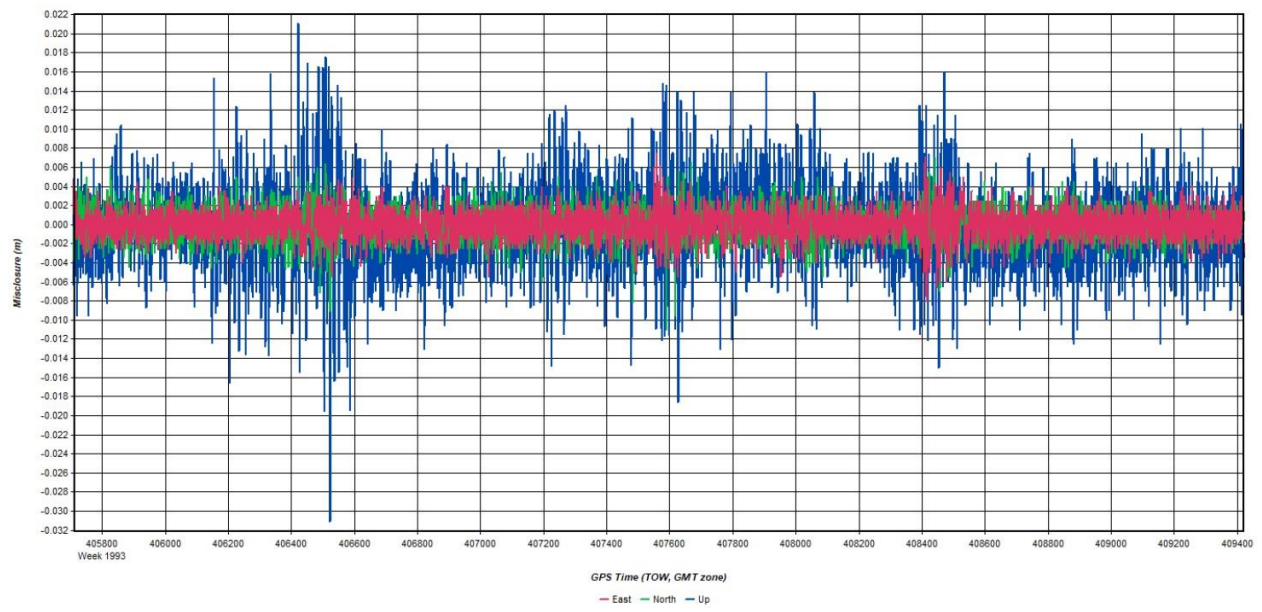
### Mission 26. PDOP



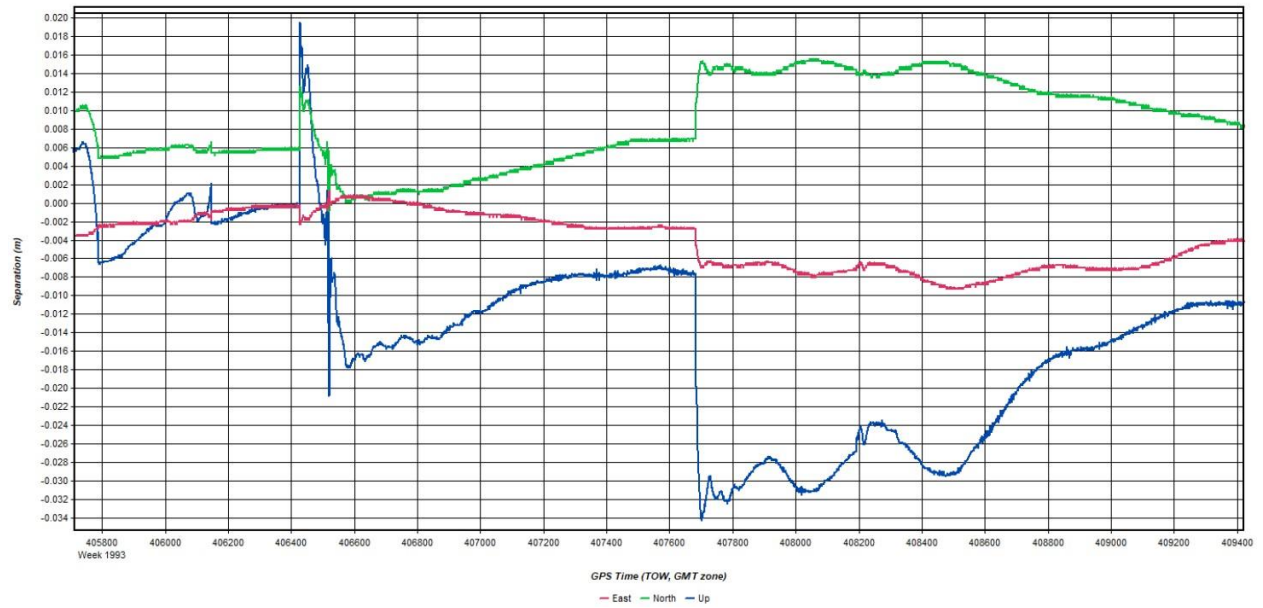
### Mission 26. Number of satellites



### Mission 26. GPS misclosure



### Mission 26. GPS separation





## Mission 26. Processing summary

### | Processing Summary Information

Program: Inertial Explorer  
Version: 8.60.6717

Solution Type: Combined

#### Number of Epochs:

Total in GPB file:	12234
No processed position:	2
Missing Fwd or Rev:	3
With bad C/A code:	0
With bad L1 Phase:	0

#### Measurement RMS Values:

L1 Phase:	0.0151 (m)
C/A Code:	0.55 (m)
L1 Doppler:	0.030 (m/s)

#### Fwd/Rev Separation RMS Values:

East:	0.007 (m)
North:	0.009 (m)
Height:	0.017 (m)

#### Fwd/Rev Sep. RMS for dual FWD/REV fixes (12228 occurrences):

East:	0.004 (m)
North:	0.008 (m)
Height:	0.015 (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 %

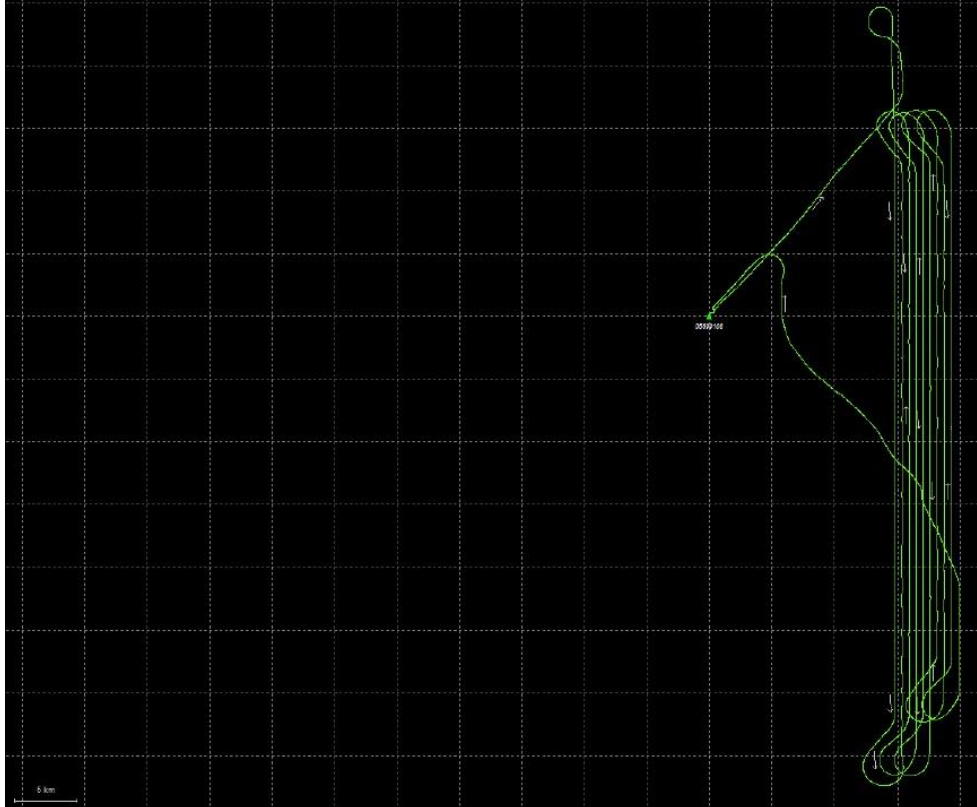
#### Percentages of epochs with DD\_DOP over 10.00:

DOP over Tol:	0.0 %
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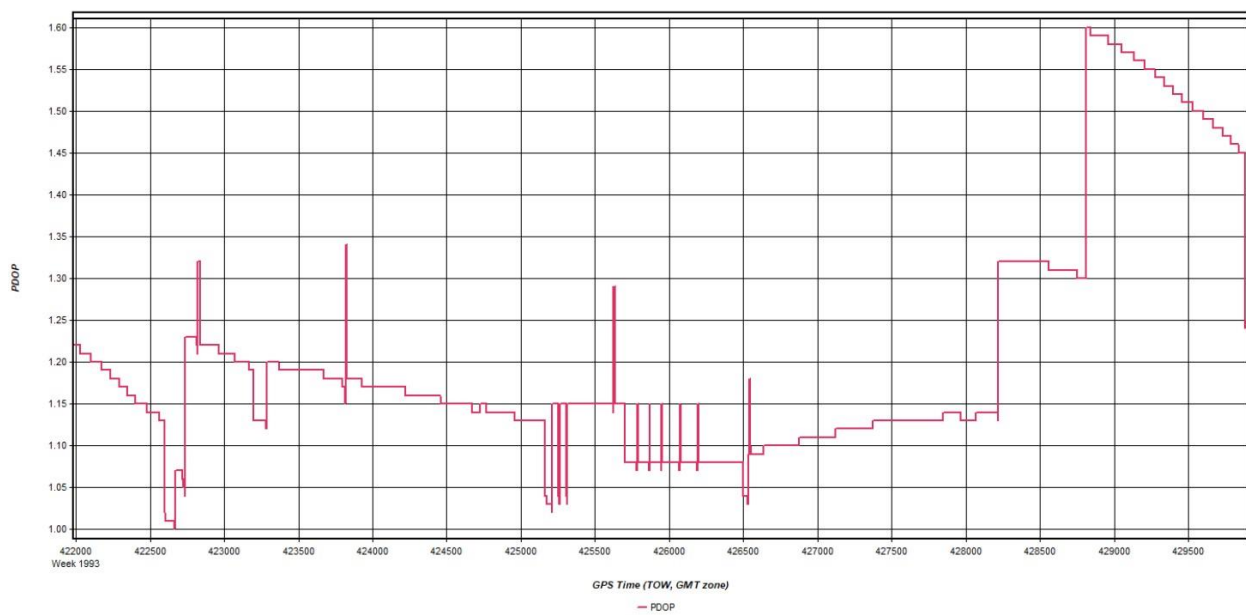
#### Baseline Distances:

Maximum:	39.226 (km)
Minimum:	0.074 (km)
Average:	16.214 (km)
First Epoch:	0.104 (km)
Last Epoch:	0.105 (km)

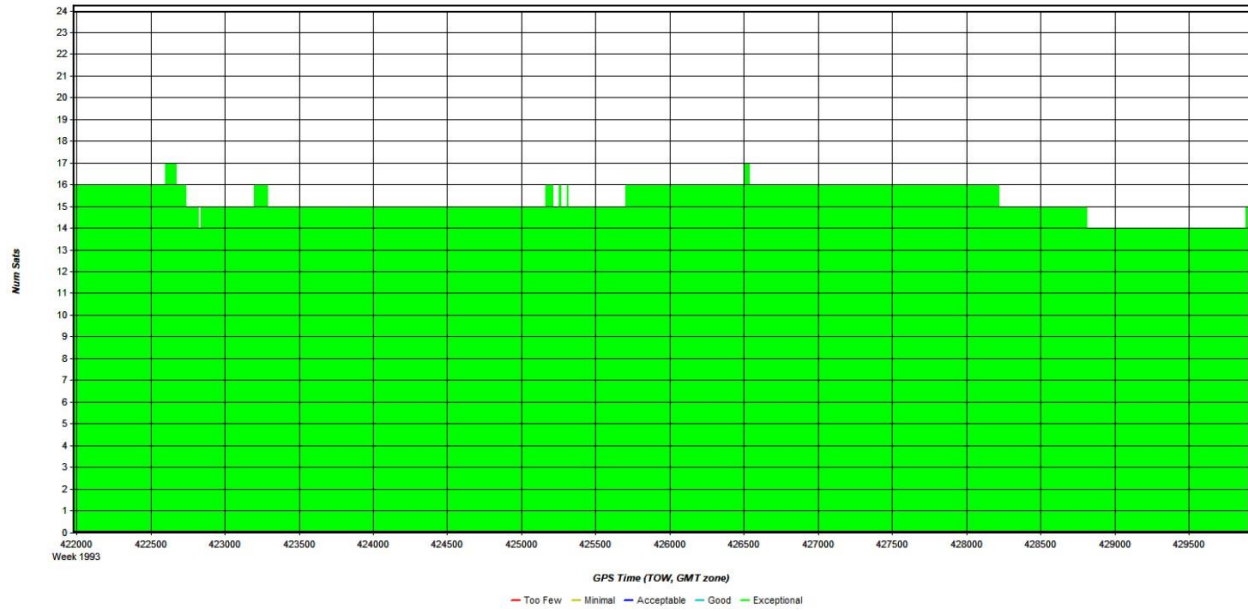
### Mission 27. Flight line trajectory



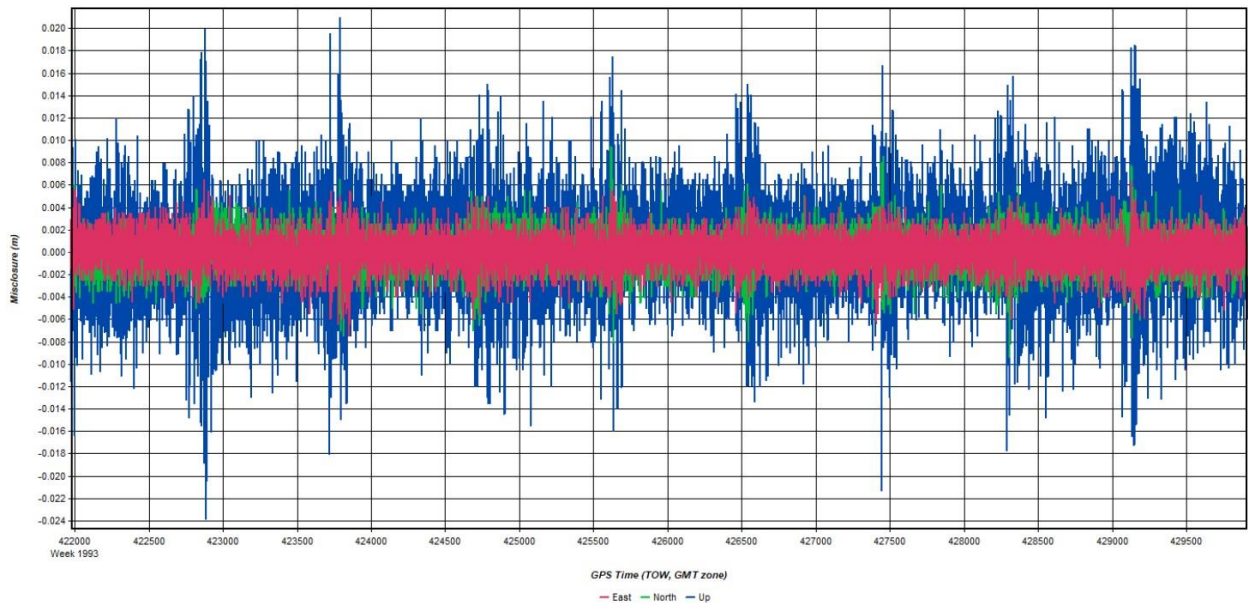
### Mission 27. PDOP



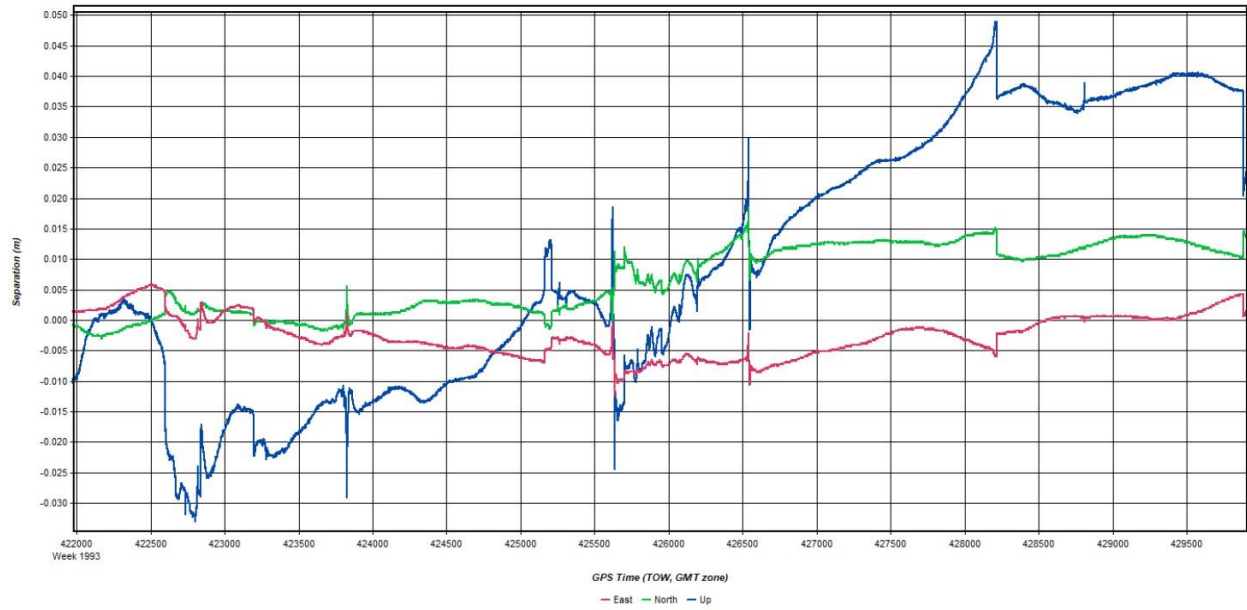
### Mission 27. Number of satellites



### Mission 27. GPS misclosure



### Mission 27. GPS separation



## Mission 27. Processing summary

| Processing Summary Information

Program: Inertial Explorer  
Version: 8.60.6717

Solution Type: Combined

Number of Epochs:

Total in GPB file:	20624
No processed position:	1
Missing Fwd or Rev:	3
With bad C/A code:	0
With bad L1 Phase:	0

Measurement RMS Values:

L1 Phase:	0.0145 (m)
C/A Code:	0.46 (m)
L1 Doppler:	0.029 (m/s)

Fwd/Rev Separation RMS Values:

East:	0.005 (m)
North:	0.008 (m)
Height:	0.023 (m)

Fwd/Rev Sep. RMS for dual FWD/REV fixes (20620 occurrences):

East:	0.005 (m)
North:	0.008 (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 %

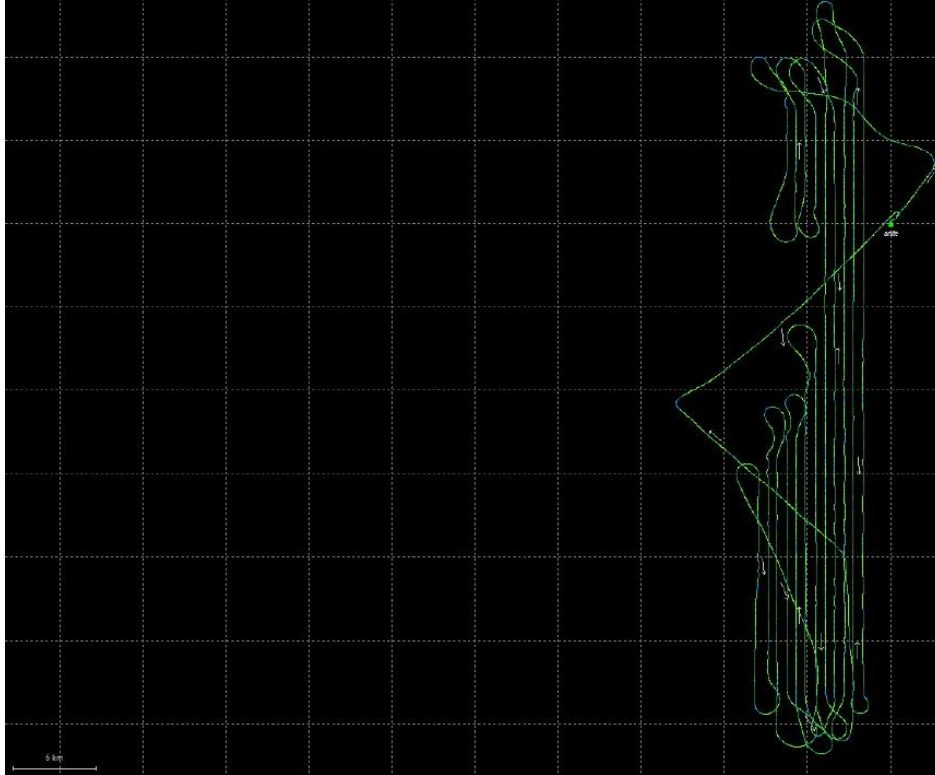
Percentages of epochs with DD\_DOP over 10.00:

DOP over Tol:	0.0 %
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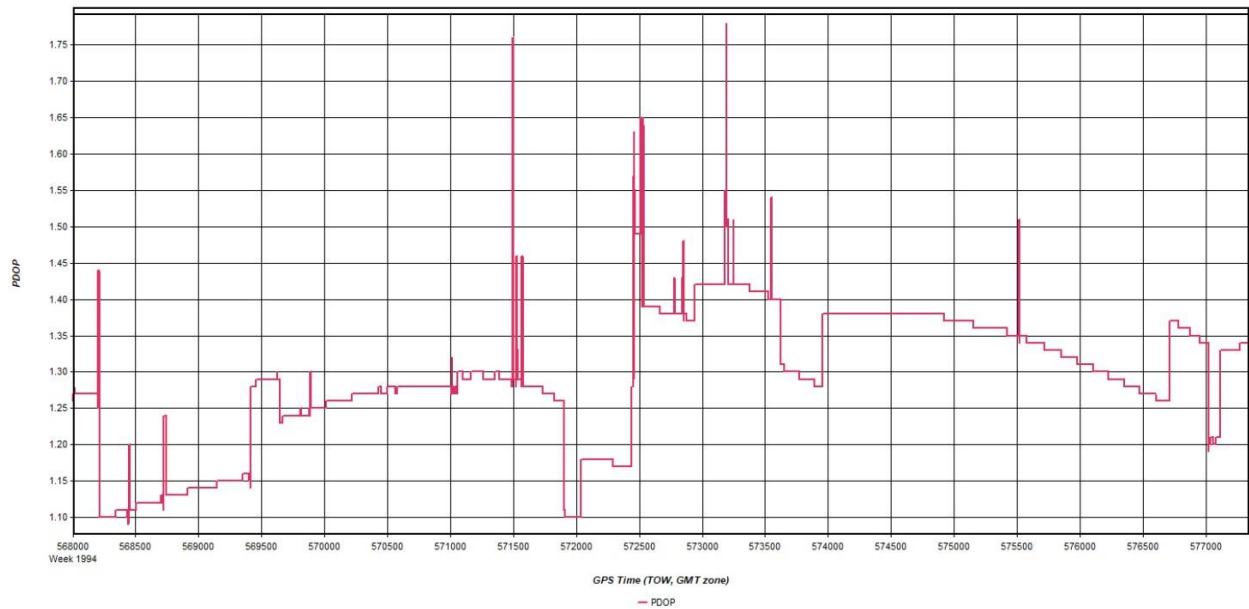
Baseline Distances:

Maximum:	39.690 (km)
Minimum:	0.103 (km)
Average:	21.189 (km)
First Epoch:	0.105 (km)
Last Epoch:	0.103 (km)

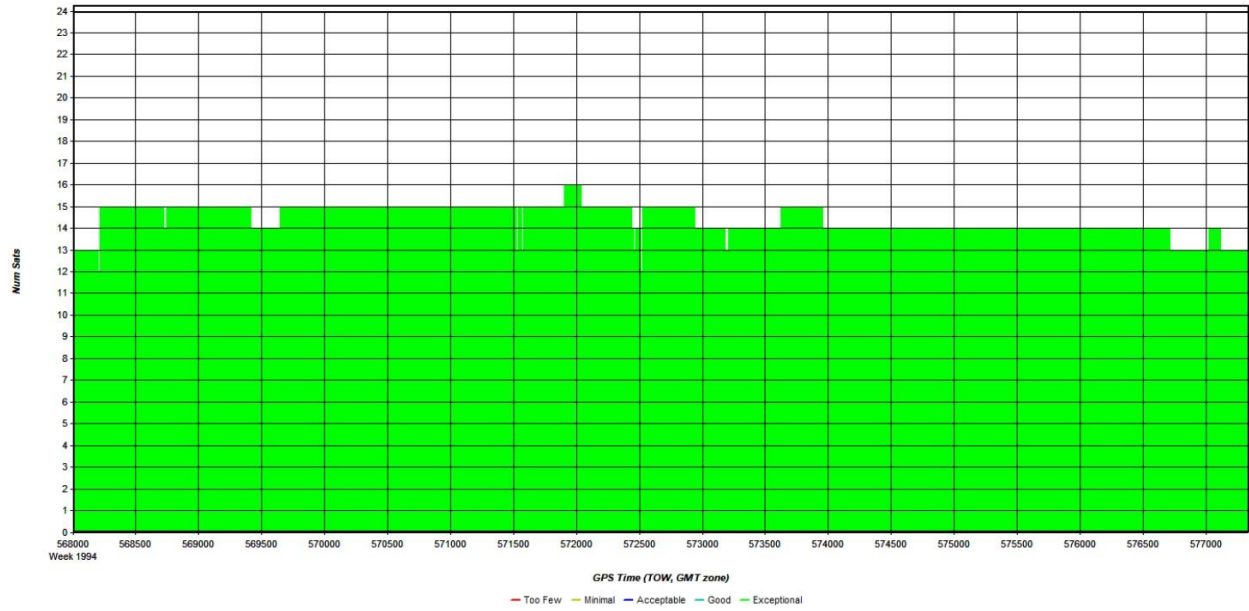
### Mission 28. Flight line trajectory



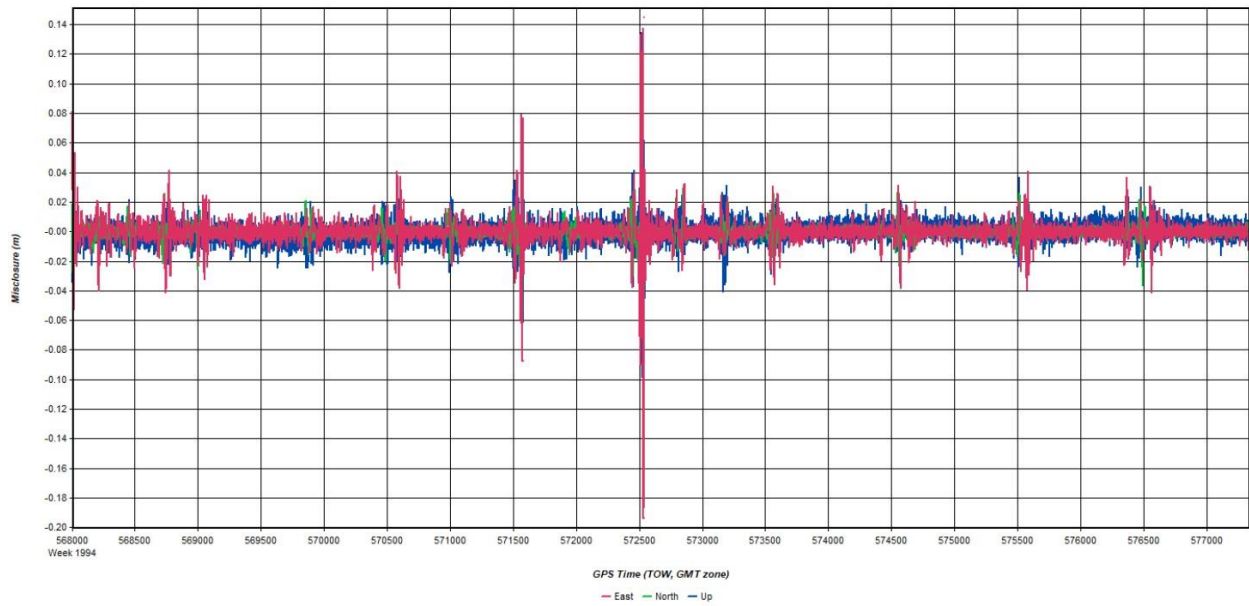
### Mission 28. PDOP



### Mission 28. Number of satellites

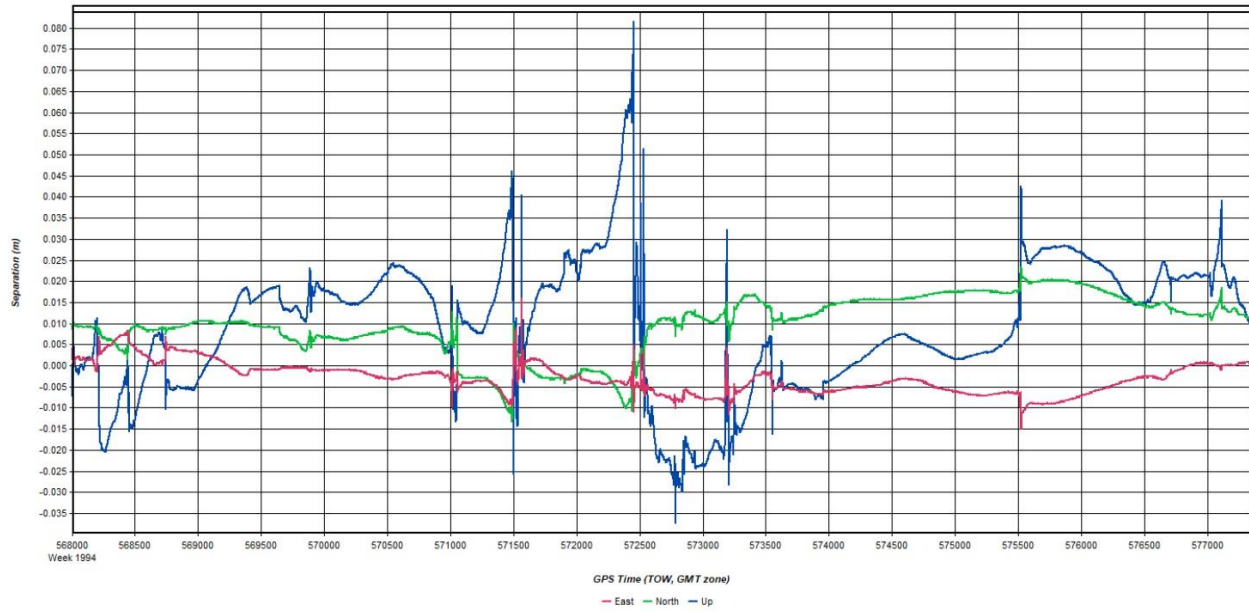


### Mission 28. GPS misclosure



### Mission 28. GPS separation





## Mission 28. Processing summary

Processing Summary Information

Program: Inertial Explorer  
Version: 8.60.6717

Solution Type: Combined

Number of Epochs:

Total in GPB file:	22944
No processed position:	1
Missing Fwd or Rev:	3
With bad C/A code:	0
With bad L1 Phase:	0

Measurement RMS Values:

L1 Phase:	0.0185 (m)
C/A Code:	1.02 (m)
L1 Doppler:	0.030 (m/s)

Fwd/Rev Separation RMS Values:

East:	0.004 (m)
North:	0.012 (m)
Height:	0.018 (m)

Fwd/Rev Sep. RMS for dual FWD/REV fixes (22940 occurrences):

East:	0.004 (m)
North:	0.012 (m)
Height:	0.018 (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 %

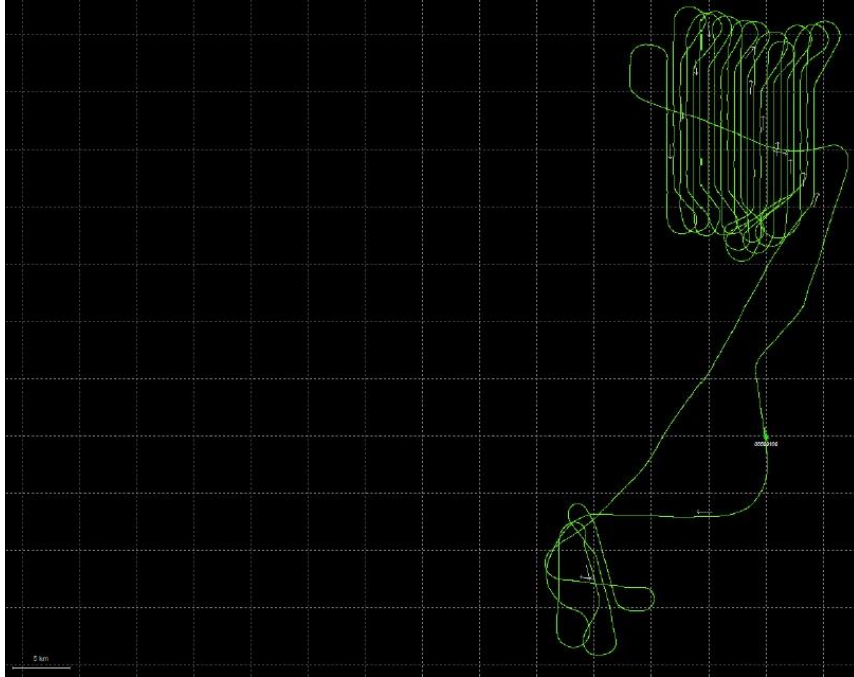
Percentages of epochs with DD\_DOP over 10.00:

DOP over Tol:	0.0 %
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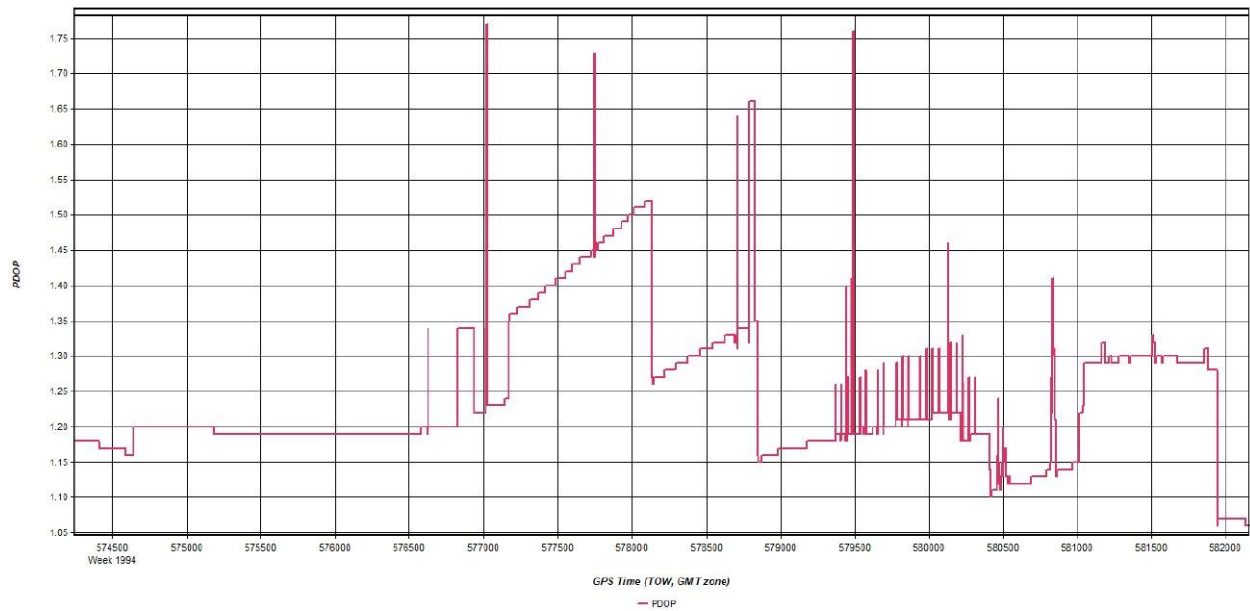
Baseline Distances:

Maximum:	31.804 (km)
Minimum:	0.200 (km)
Average:	14.411 (km)
First Epoch:	0.202 (km)
Last Epoch:	0.408 (km)

### Mission 30 . Flight line trajectory



### Mission 30. PDOP

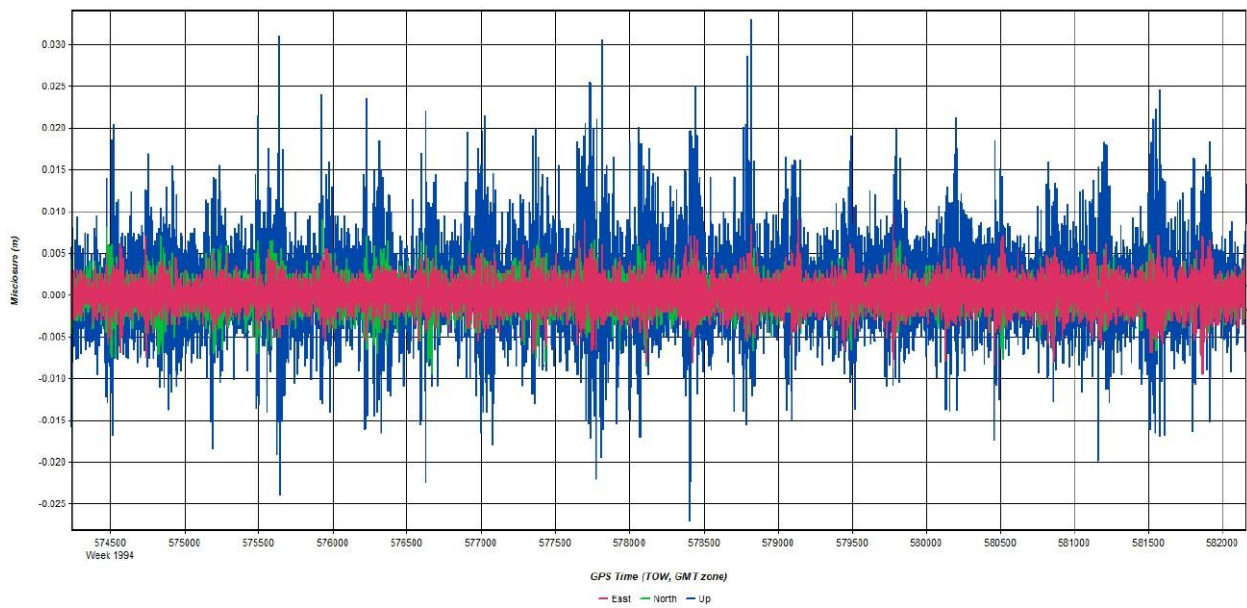


### . Number of satellites

### Mission 30

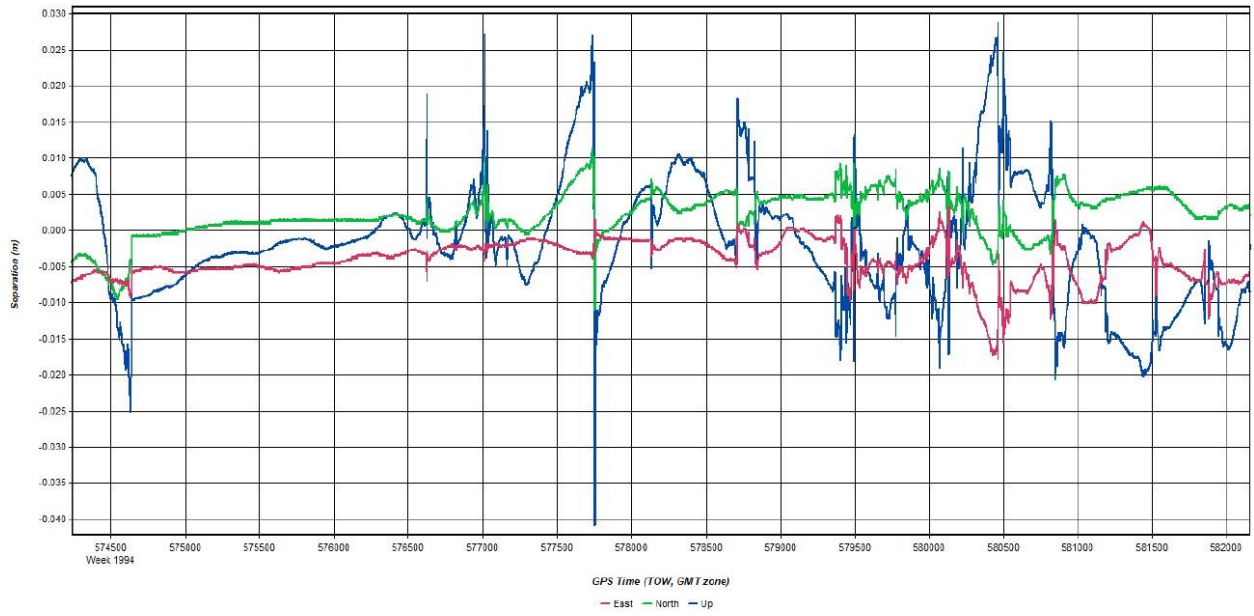


### Mission 30. GPS misclosure



. GPS separation

### Mission 30



## Mission 30

. Processing summary

## Mission 30

### Processing Summary Information

Program: Inertial Explorer  
Version: 8.60.6717

Solution Type: Combined

#### Number of Epochs:

Total in GPB file:	24068
No processed position:	1
Missing Fwd or Rev:	3
With bad C/A code:	0
With bad L1 Phase:	0

#### Measurement RMS Values:

L1 Phase:	0.0148 (m)
C/A Code:	0.37 (m)
L1 Doppler:	0.030 (m/s)

#### Fwd/Rev Separation RMS Values:

East:	0.006 (m)
North:	0.003 (m)
Height:	0.009 (m)

#### Fwd/Rev Sep. RMS for dual FWD/REV fixes (24064 occurrences):

East:	0.006 (m)
North:	0.003 (m)
Height:	0.009 (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:

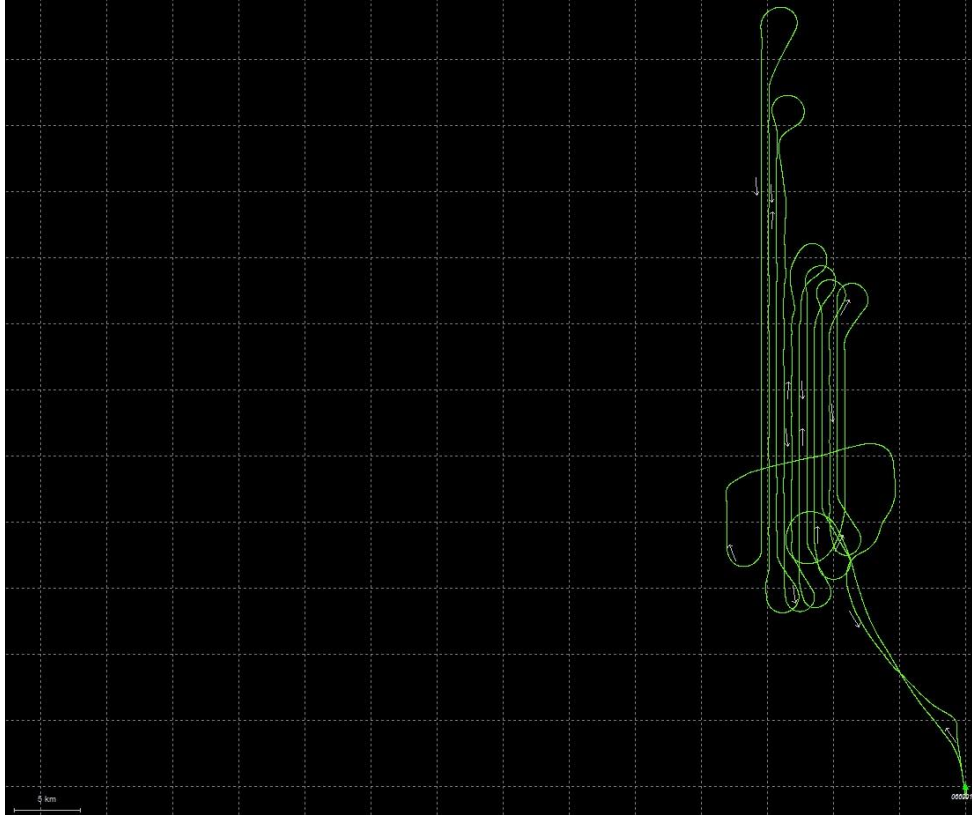
DOP over Tol:	0.0 %
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#### Baseline Distances:

Maximum:	37.717 (km)
Minimum:	0.014 (km)
Average:	22.451 (km)
First Epoch:	0.014 (km)
Last Epoch:	0.050 (km)

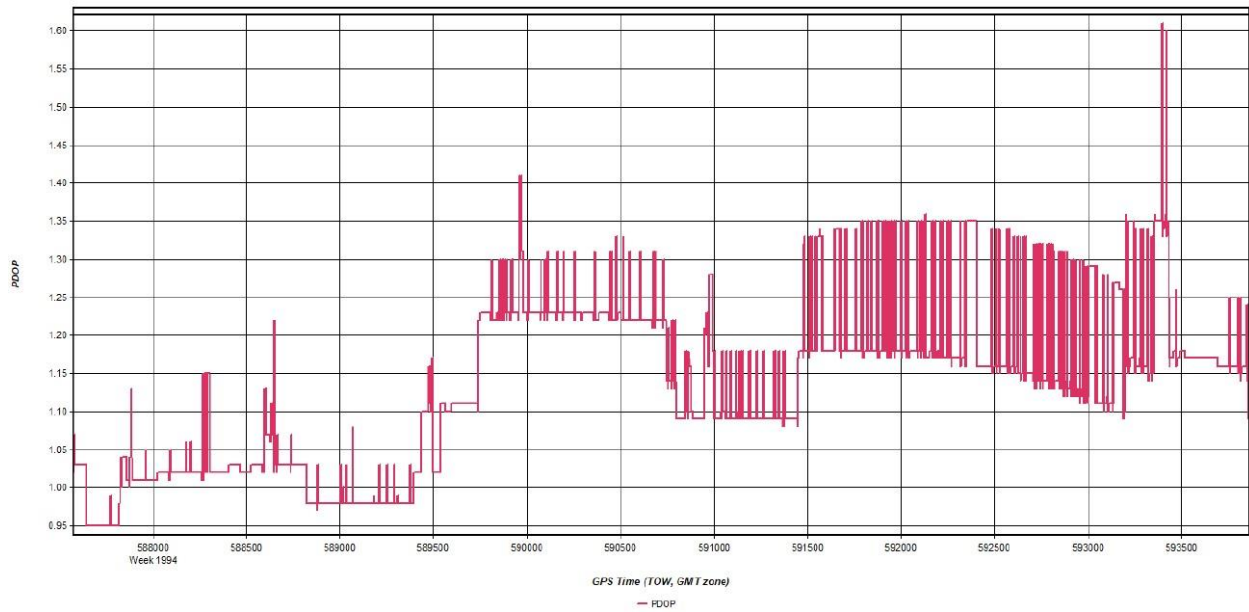


Mission 31  
. Flight line trajectory



Mission 31. PDOP

### Mission 31

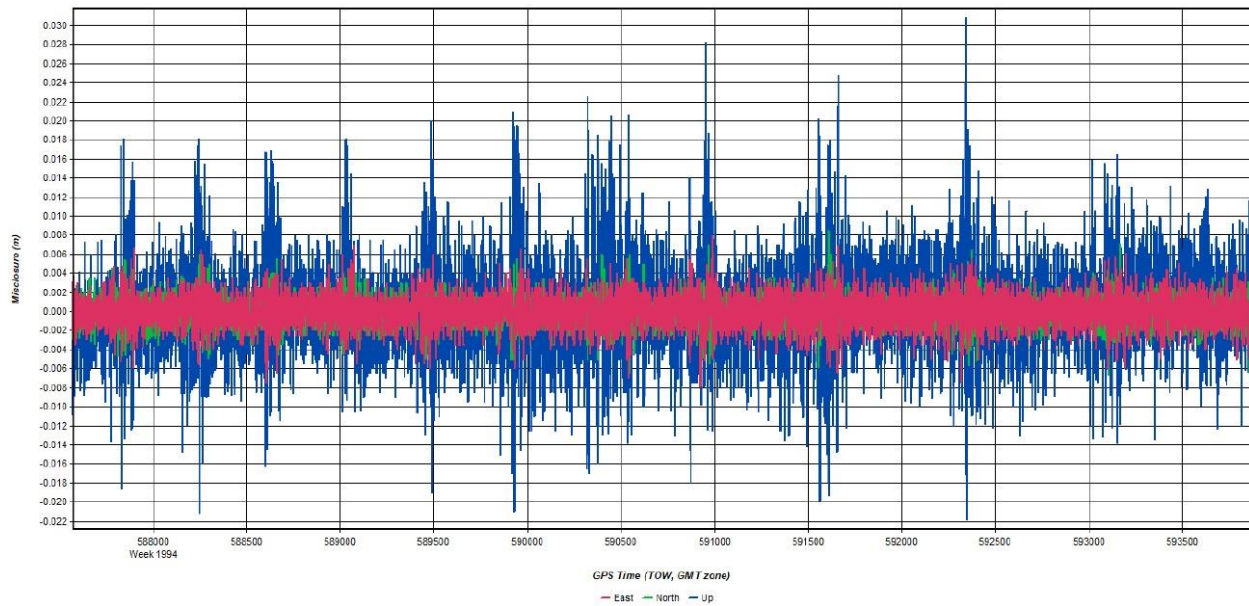


### . Number of satellites

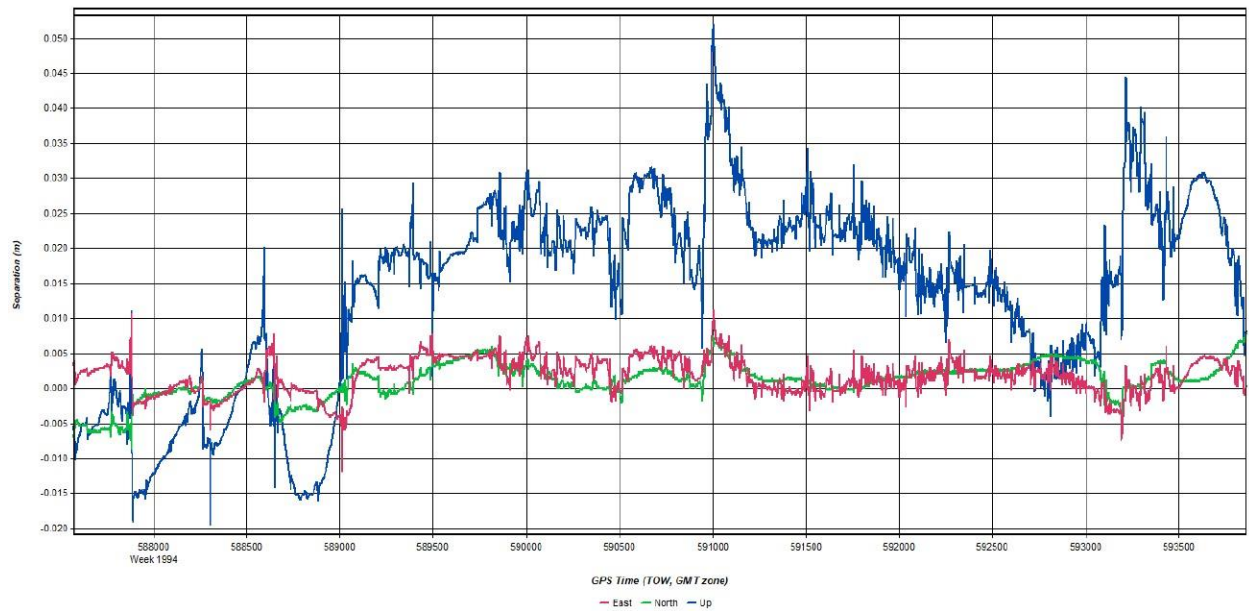


### Mission 31. GPS misclosure

### Mission 31



### . GPS separation



Mission 31  
. Processing summary

## Mission 31

### Processing Summary Information

Program: Inertial Explorer  
Version: 8.60.6717

Solution Type: Combined

#### Number of Epochs:

Total in GPB file:	17043
No processed position:	1
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:	0.40 (m)
L1 Doppler:	0.036 (m/s)

#### Fwd/Rev Separation RMS Values:

East:	0.004 (m)
North:	0.007 (m)
Height:	0.026 (m)

#### Fwd/Rev Sep. RMS for dual FWD/REV fixes (17038 occurrences):

East:	0.004 (m)
North:	0.007 (m)
Height:	0.026 (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:

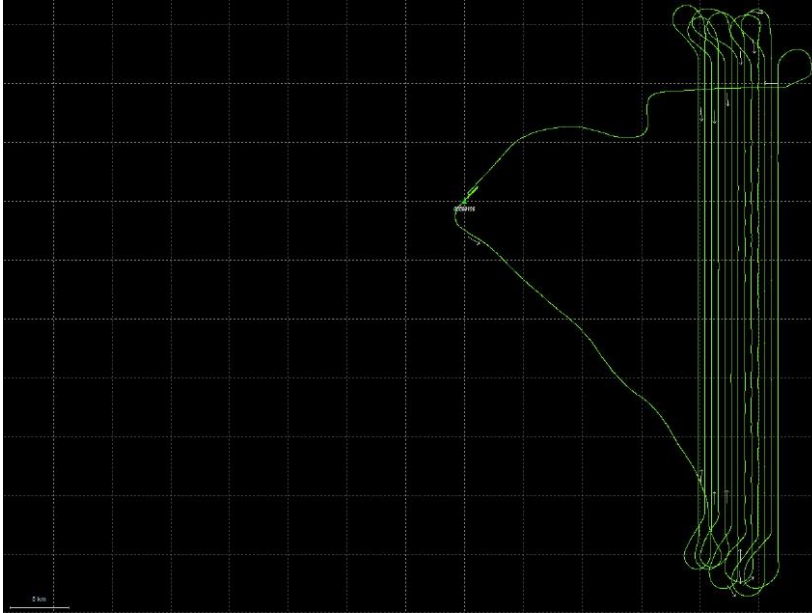
DOP over Tol:	0.0 %
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#### Baseline Distances:

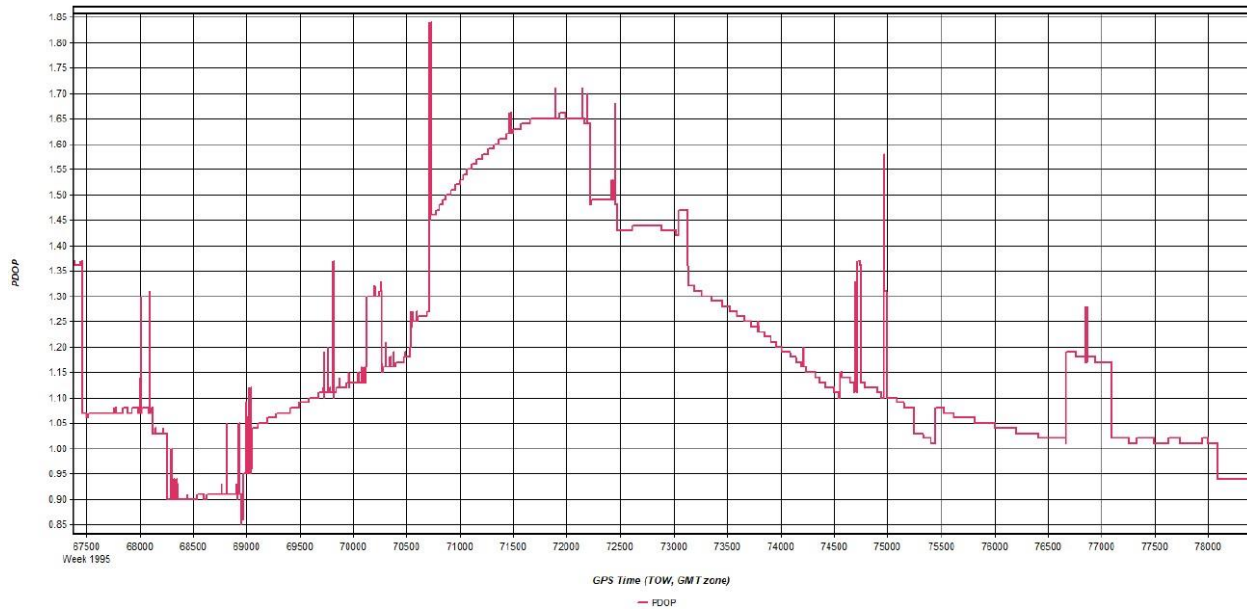
Maximum:	60.110 (km)
Minimum:	0.009 (km)
Average:	27.875 (km)
First Epoch:	0.077 (km)
Last Epoch:	0.010 (km)

## Mission

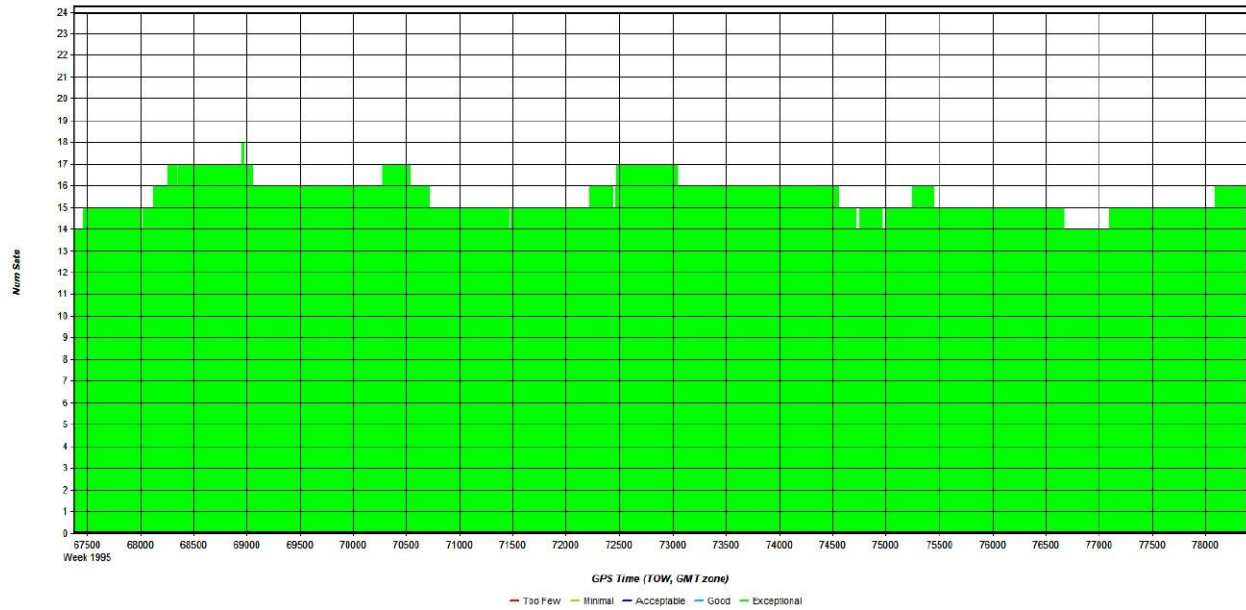
### 32. Flight line trajectory



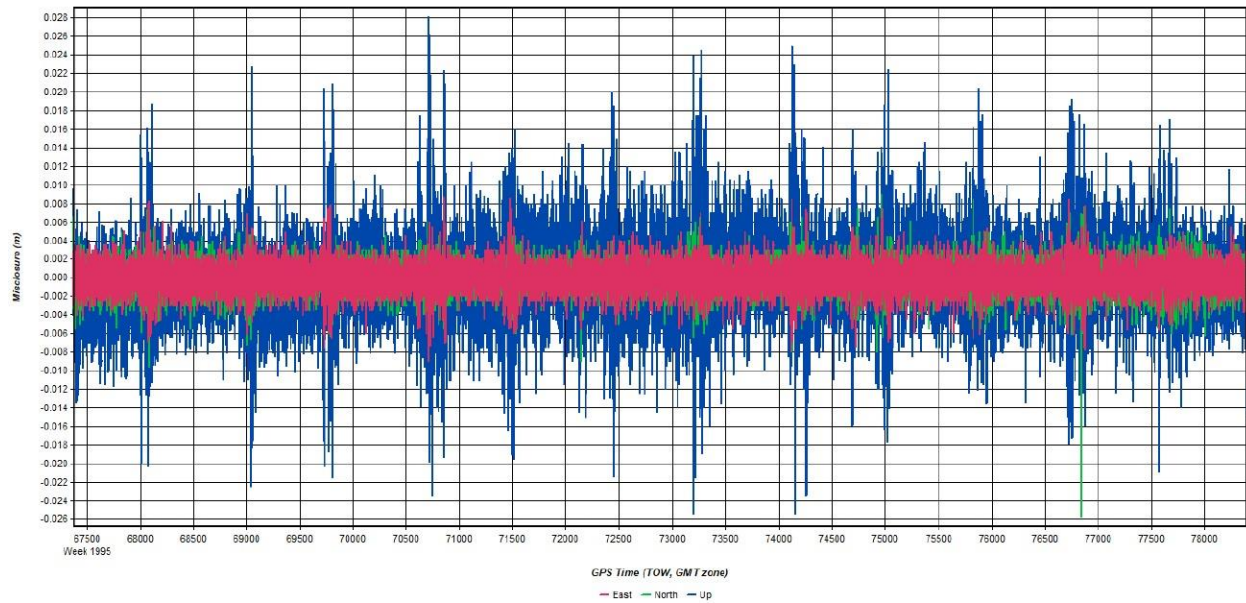
### Mission 32. PDOP



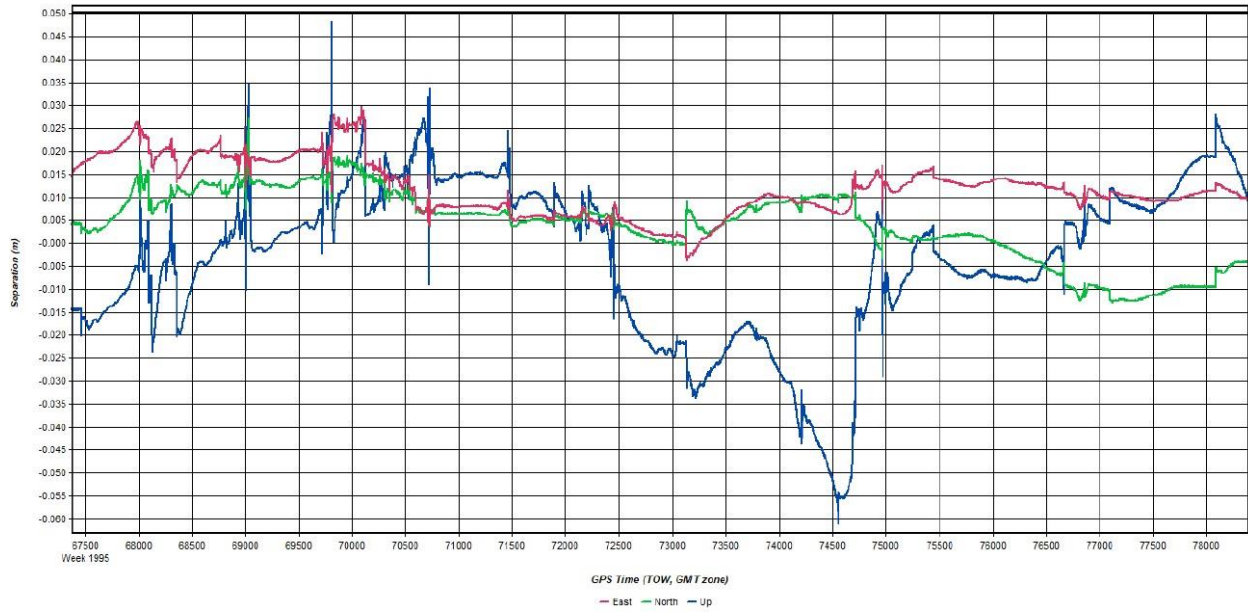
### Mission 32. Number of satellites



### Mission 32. GPS misclosure



### Mission 32. GPS separation





## Mission

### 32. Processing summary

## Mission 33

### Processing Summary Information

Program: Inertial Explorer  
Version: 8.60.6717

Solution Type: Combined

#### Number of Epochs:

Total in GPB file:	27073
No processed position:	2
Missing Fwd or Rev:	3
With bad C/A code:	0
With bad L1 Phase:	0

#### Measurement RMS Values:

L1 Phase:	0.0160 (m)
C/A Code:	0.50 (m)
L1 Doppler:	0.034 (m/s)

#### Fwd/Rev Separation RMS Values:

East:	0.014 (m)
North:	0.008 (m)
Height:	0.018 (m)

#### Fwd/Rev Sep. RMS for dual FWD/REV fixes (27068 occurrences):

East:	0.014 (m)
North:	0.008 (m)
Height:	0.018 (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:

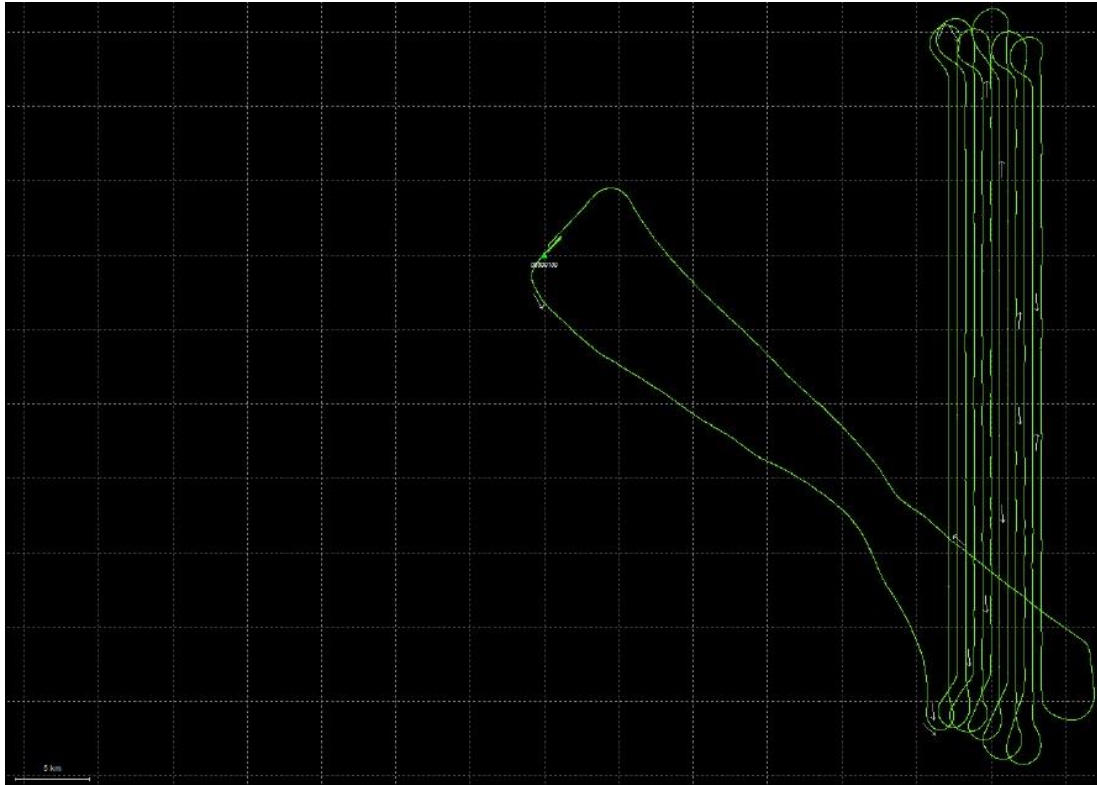
DOP over Tol:	0.0 %
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#### Baseline Distances:

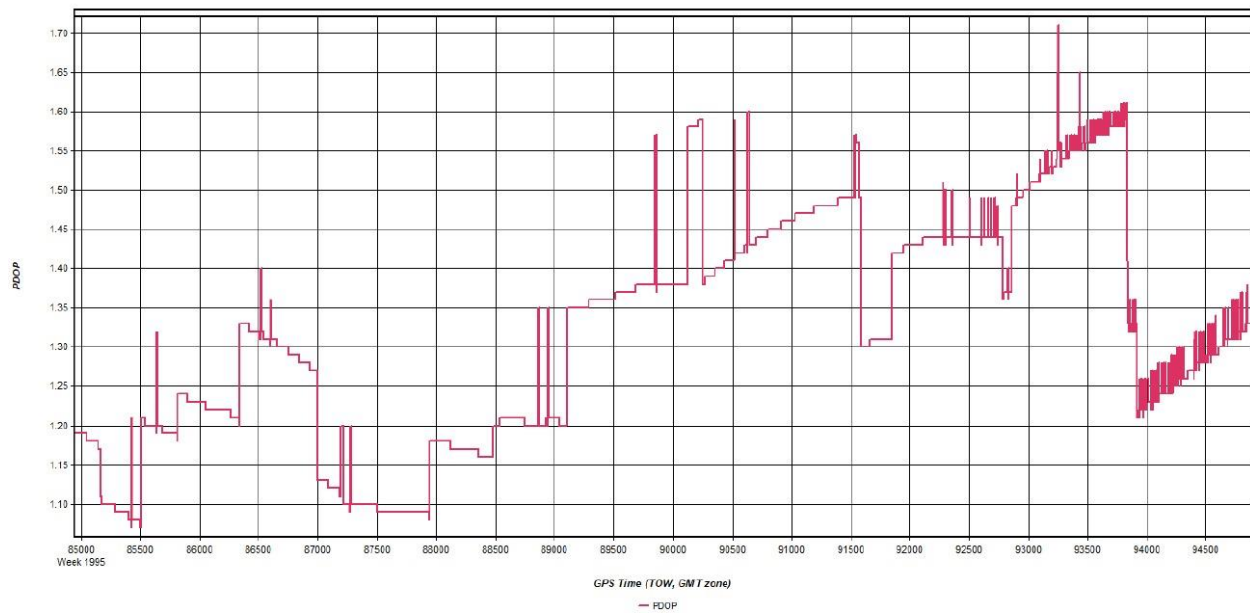
Maximum:	41.296 (km)
Minimum:	0.057 (km)
Average:	24.852 (km)
First Epoch:	0.105 (km)
Last Epoch:	0.105 (km)

. Flight line trajectory

### Mission 33



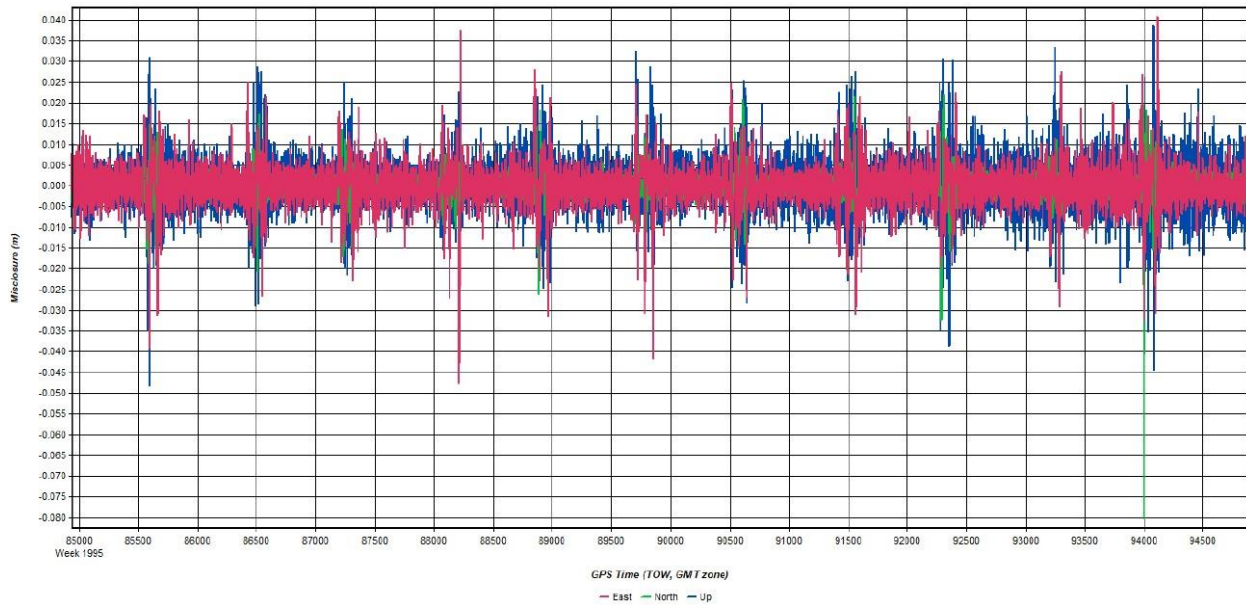
### Mission 33. PDOP



### Mission 33 . Number of satellites

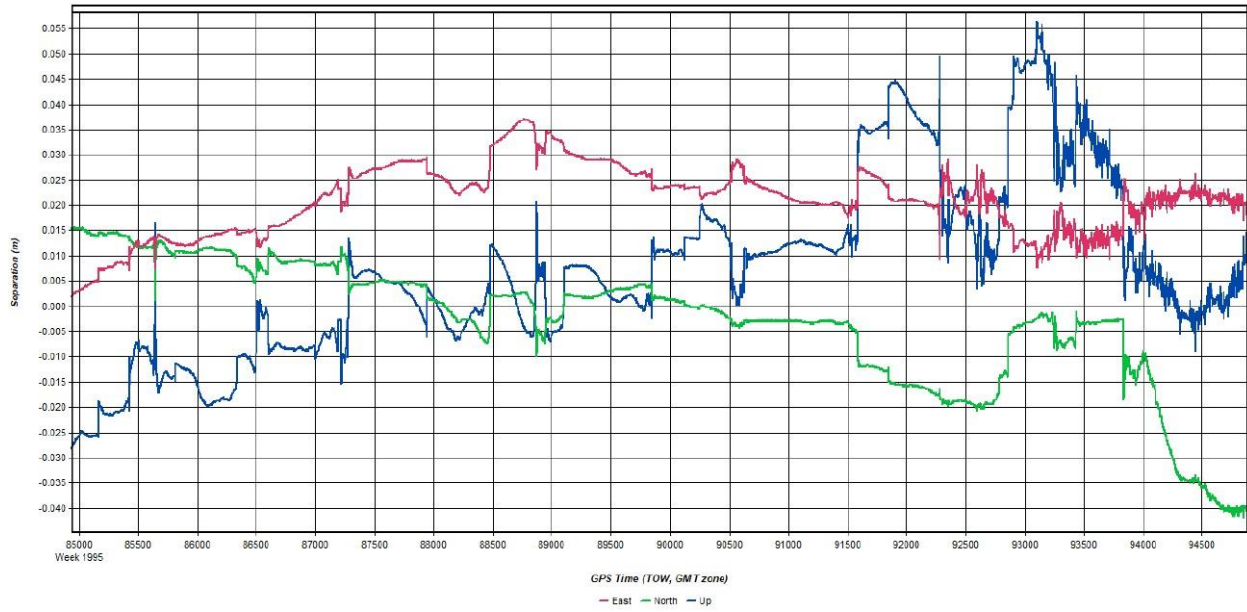


### Mission 33. GPS misclosure



### . GPS separation

### Mission 33



Mission 33  
. Processing summary

## Mission 33

### Processing Summary Information

Program: Inertial Explorer  
Version: 8.60.6717

Solution Type: Combined

#### Number of Epochs:

Total in GPB file:	25125
No processed position:	2
Missing Fwd or Rev:	3
With bad C/A code:	0
With bad L1 Phase:	0

#### Measurement RMS Values:

L1 Phase:	0.0181 (m)
C/A Code:	0.48 (m)
L1 Doppler:	0.033 (m/s)

#### Fwd/Rev Separation RMS Values:

East:	0.021 (m)
North:	0.016 (m)
Height:	0.024 (m)

#### Fwd/Rev Sep. RMS for dual FWD/REV fixes (25119 occurrences):

East:	0.021 (m)
North:	0.016 (m)
Height:	0.024 (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 %

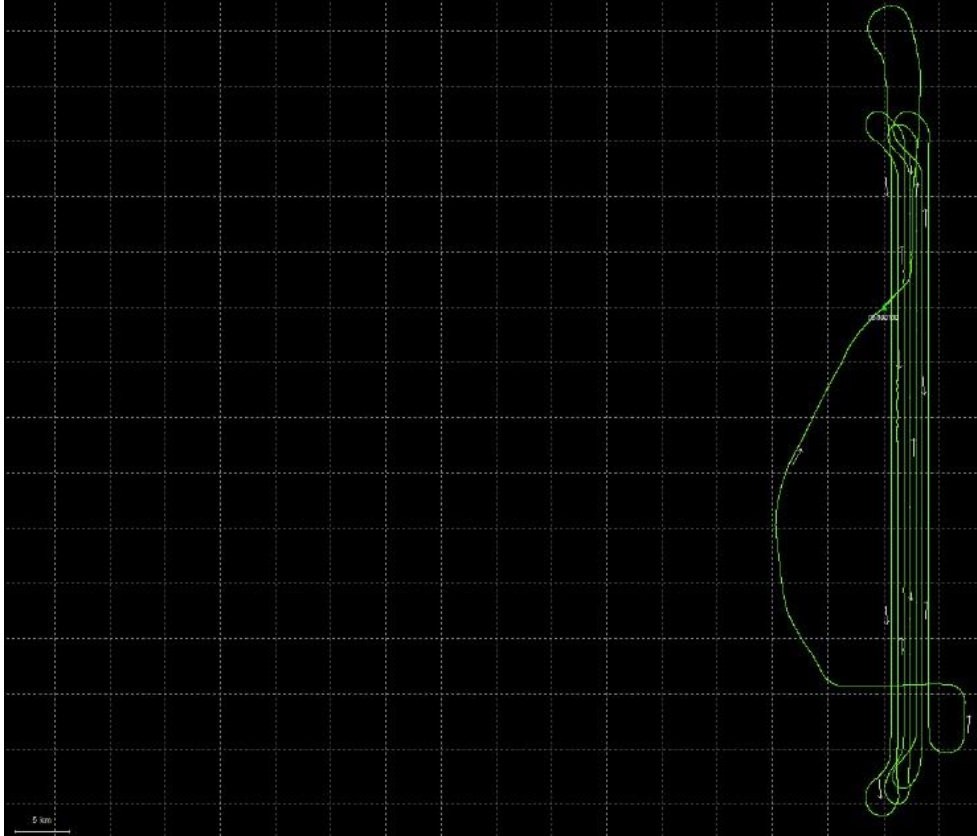
#### Percentages of epochs with DD\_DOP over 10.00:

DOP over Tol:	0.0 %
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#### Baseline Distances:

Maximum:	47.542 (km)
Minimum:	0.053 (km)
Average:	30.359 (km)
First Epoch:	0.202 (km)
Last Epoch:	0.682 (km)

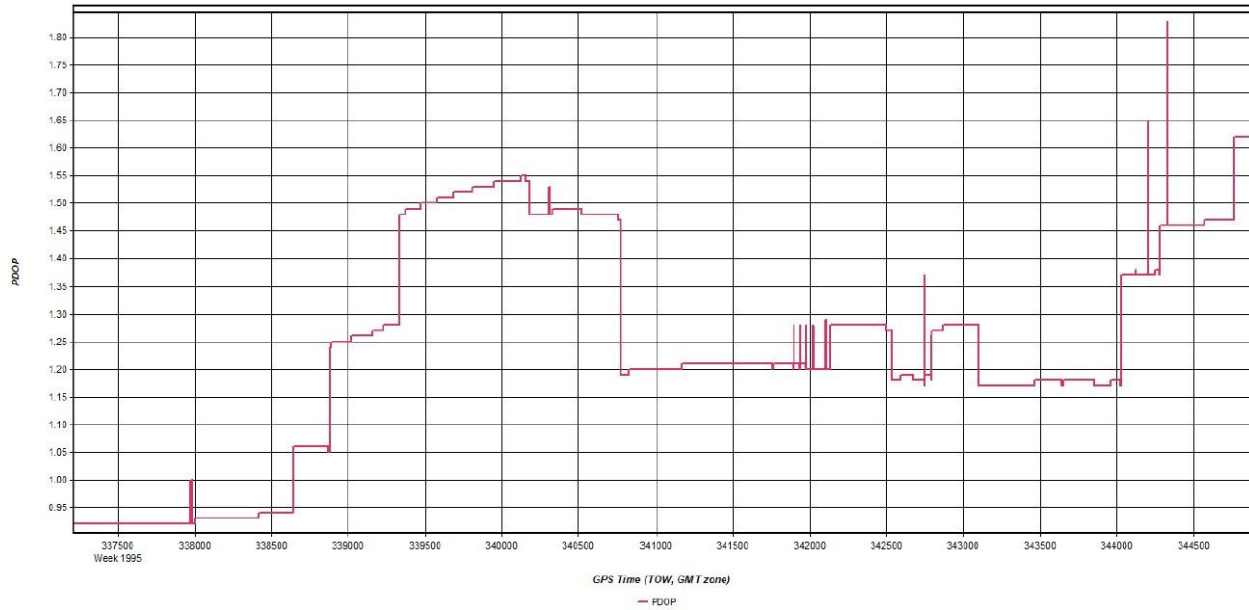
Mission 34  
. Flight line trajectory



Mission 34. PDOP



### Mission 34

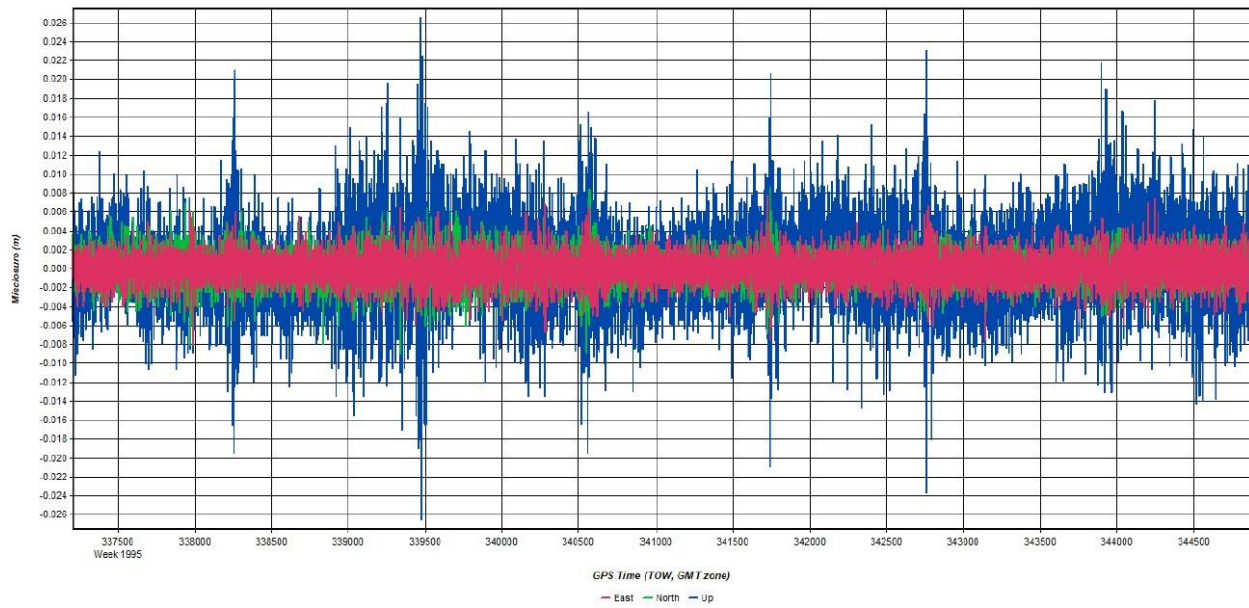


. Number of satellites

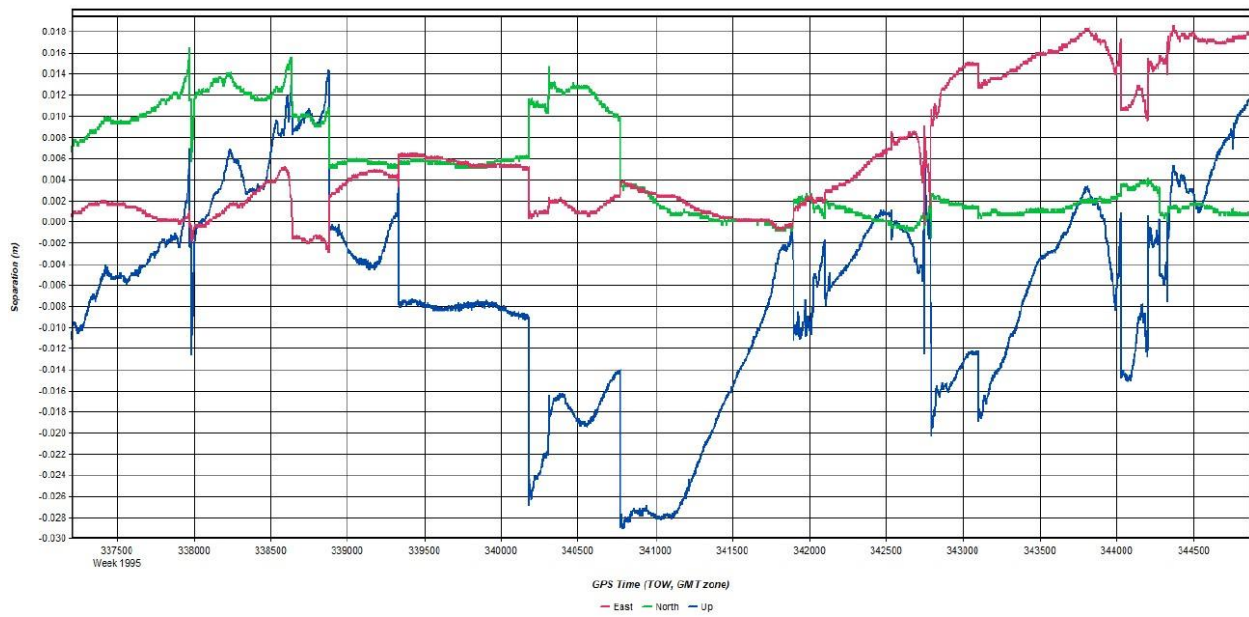


Mission 34. GPS misclosure

### Mission 34



### . GPS separation



Mission 34  
. Processing summary

## Mission 34

### Processing Summary Information

Program: Inertial Explorer  
Version: 8.60.6717

Solution Type: Combined

#### Number of Epochs:

Total in GPB file:	20242
No processed position:	1
Missing Fwd or Rev:	3
With bad C/A code:	0
With bad L1 Phase:	0

#### Measurement RMS Values:

L1 Phase:	0.0157 (m)
C/A Code:	0.46 (m)
L1 Doppler:	0.030 (m/s)

#### Fwd/Rev Separation RMS Values:

East:	0.009 (m)
North:	0.007 (m)
Height:	0.011 (m)

#### Fwd/Rev Sep. RMS for dual FWD/REV fixes (20238 occurrences):

East:	0.009 (m)
North:	0.007 (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 %
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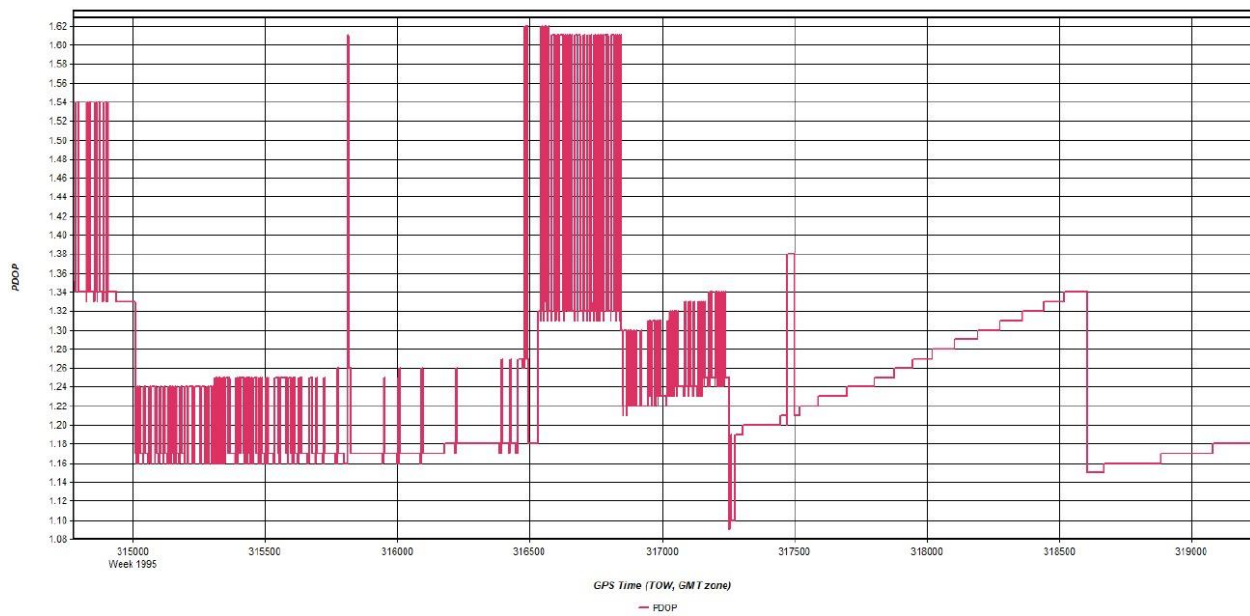
#### Baseline Distances:

Maximum:	45.569 (km)
Minimum:	0.073 (km)
Average:	18.011 (km)
First Epoch:	0.189 (km)
Last Epoch:	0.428 (km)

### Mission 35 . Flight line trajectory

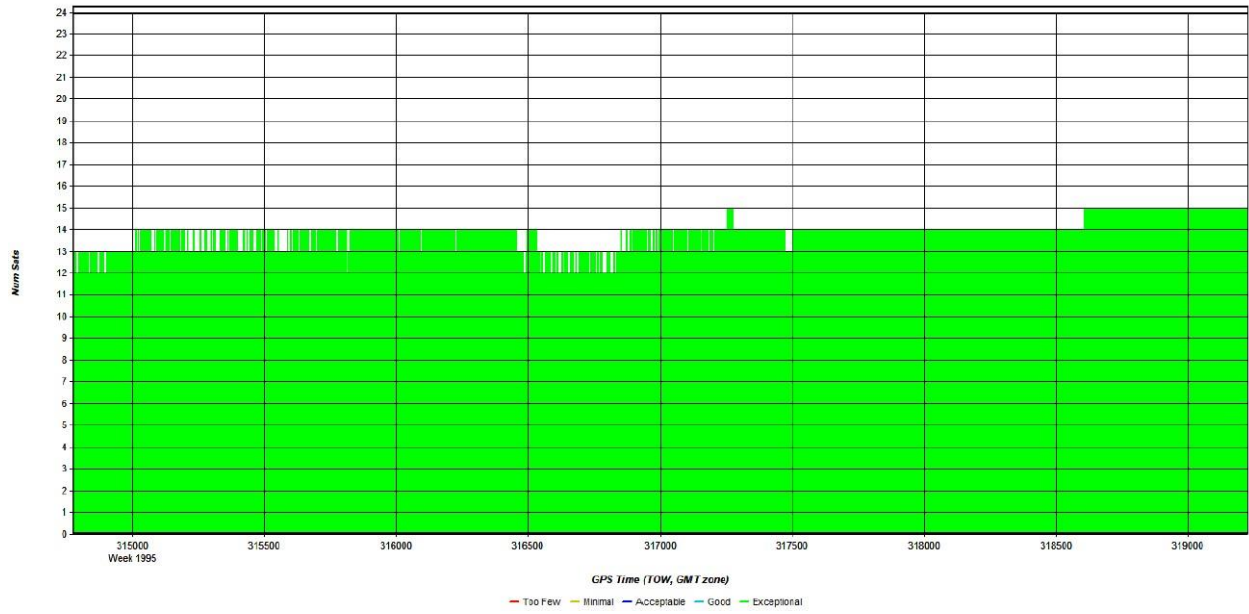


### Mission 35. PDOP

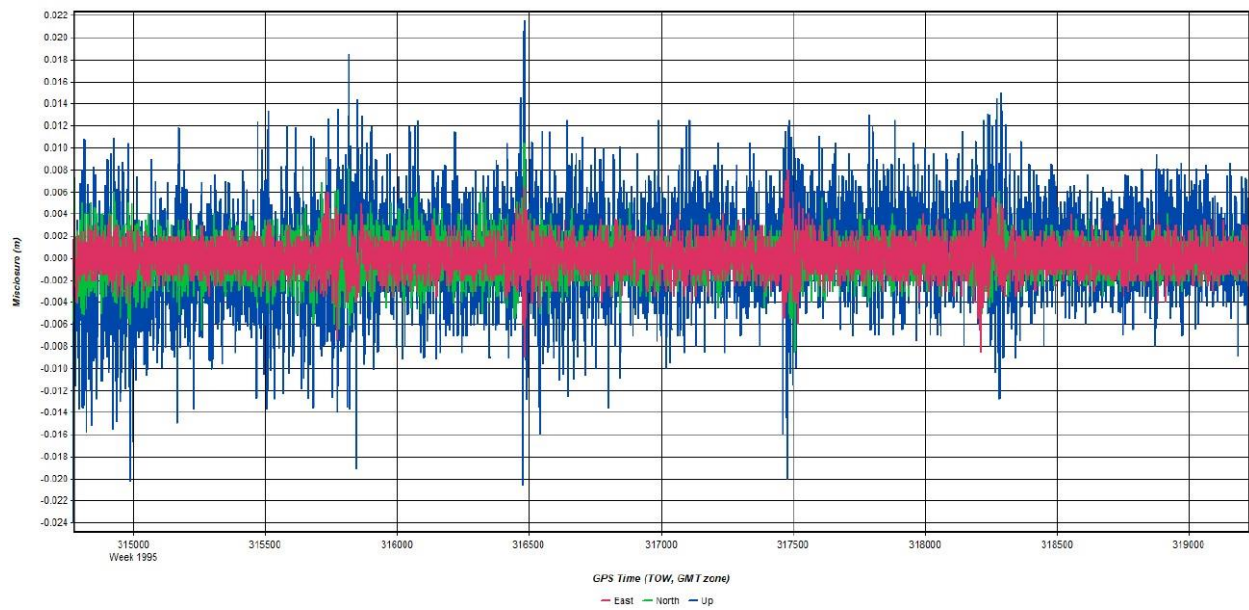


### . Number of satellites

### Mission 35

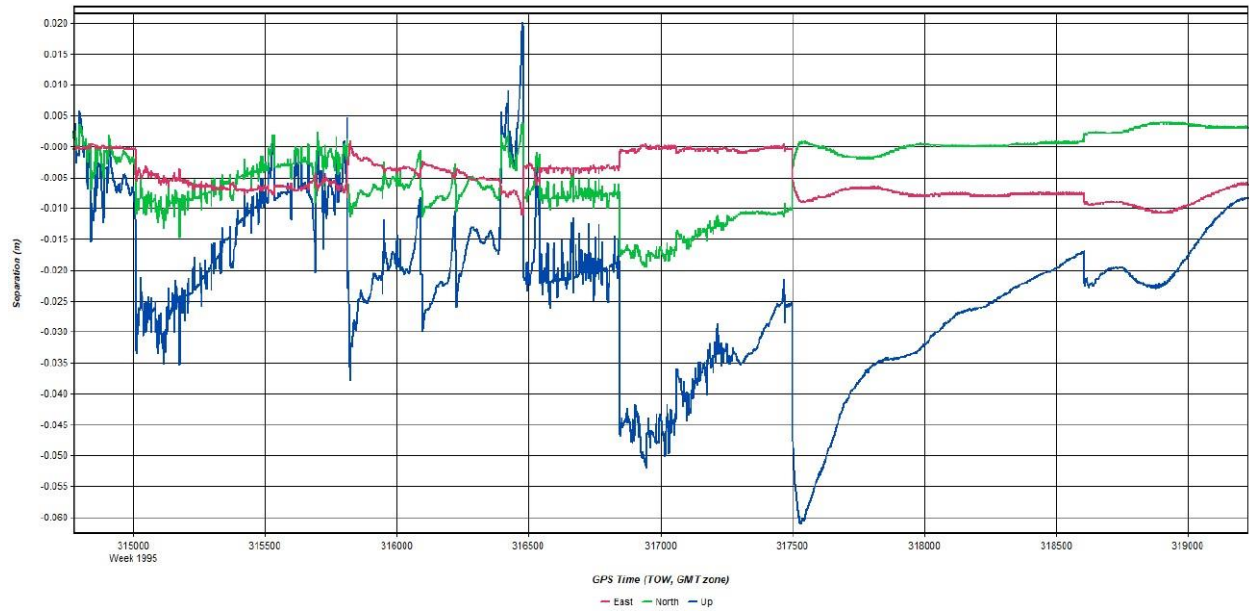


### Mission 35. GPS misclosure



. GPS separation

### Mission 35



Mission 35  
. Processing summary



## Mission 35

### Processing Summary Information

Program: Inertial Explorer  
Version: 8.60.6717

Solution Type: Combined

#### Number of Epochs:

Total in GPB file:	14834
No processed position:	2
Missing Fwd or Rev:	3
With bad C/A code:	0
With bad L1 Phase:	0

#### Measurement RMS Values:

L1 Phase:	0.0148 (m)
C/A Code:	0.51 (m)
L1 Doppler:	0.032 (m/s)

#### Fwd/Rev Separation RMS Values:

East:	0.005 (m)
North:	0.006 (m)
Height:	0.022 (m)

#### Fwd/Rev Sep. RMS for dual FWD/REV fixes (14829 occurrences):

East:	0.005 (m)
North:	0.006 (m)
Height:	0.022 (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 %

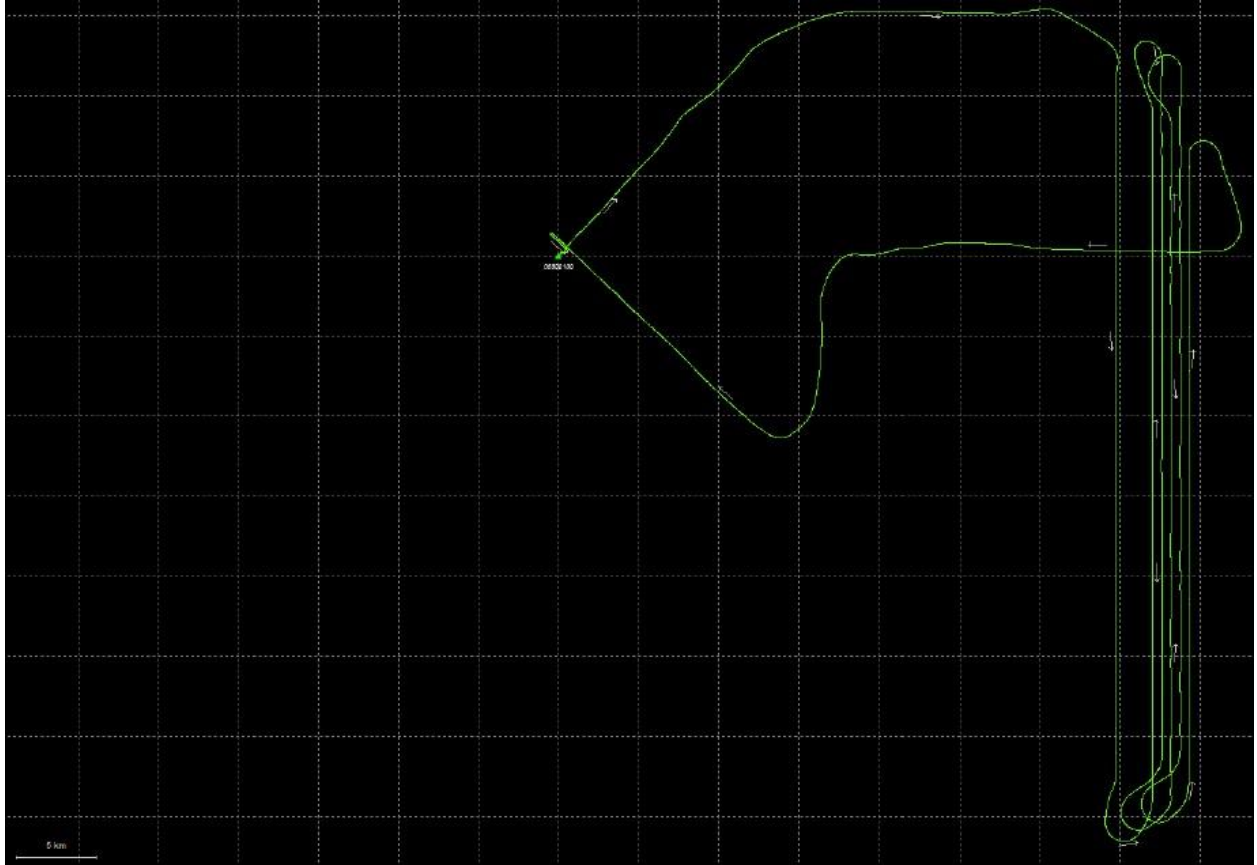
#### Percentages of epochs with DD\_DOP over 10.00:

DOP over Tol:	0.0 %
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#### Baseline Distances:

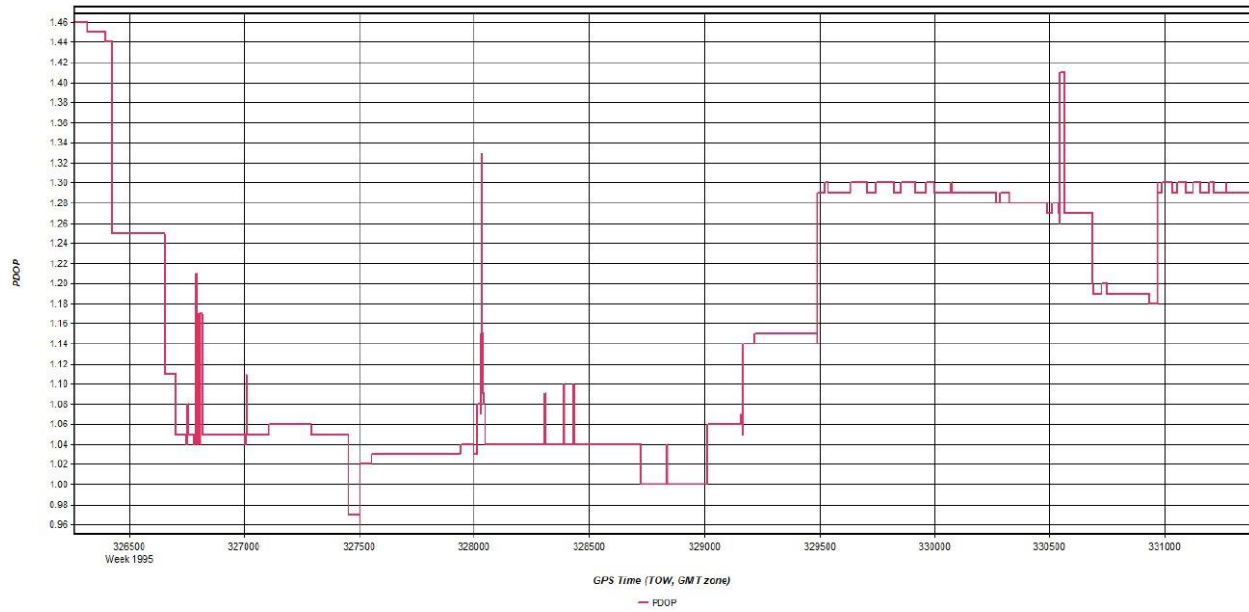
Maximum:	49.134 (km)
Minimum:	0.066 (km)
Average:	29.475 (km)
First Epoch:	0.104 (km)
Last Epoch:	0.105 (km)

Mission 36  
. Flight line trajectory

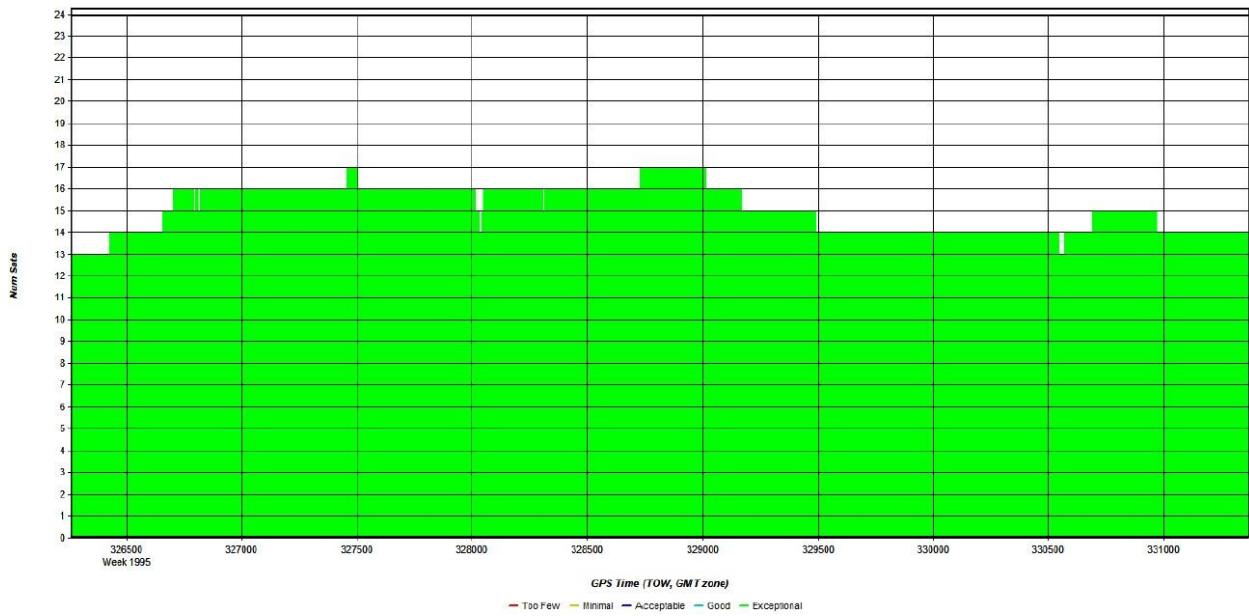


Mission 36. PDOP

### Mission 36

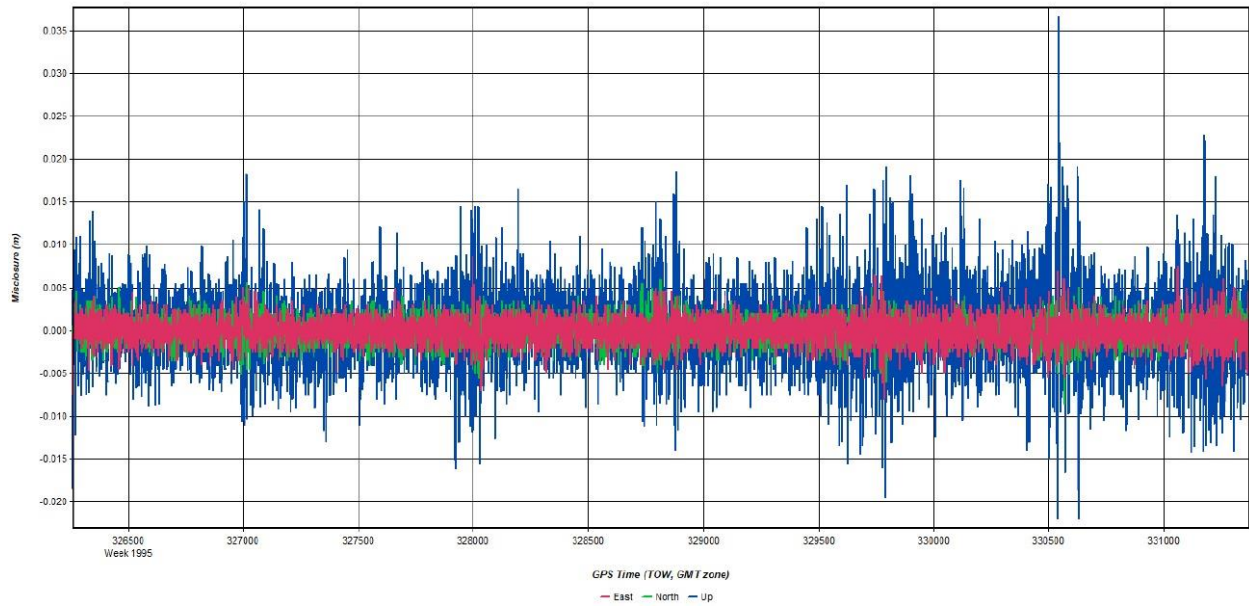


. Number of satellites

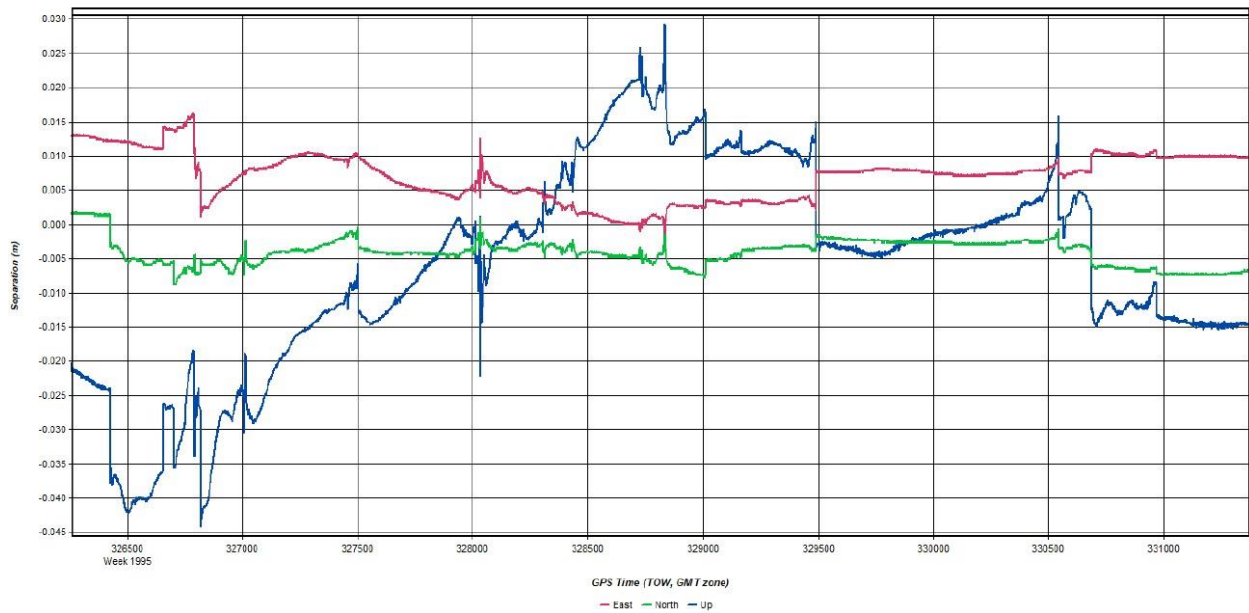


Mission 36. GPS misclosure

### Mission 36



### . GPS separation



Mission 36  
. Processing summary

## Mission 36

### Processing Summary Information

Program: Inertial Explorer  
Version: 8.60.6717

Solution Type: Combined

#### Number of Epochs:

Total in GPB file:	16243
No processed position:	2
Missing Fwd or Rev:	3
With bad C/A code:	0
With bad L1 Phase:	0

#### Measurement RMS Values:

L1 Phase:	0.0155 (m)
C/A Code:	0.53 (m)
L1 Doppler:	0.029 (m/s)

#### Fwd/Rev Separation RMS Values:

East:	0.009 (m)
North:	0.005 (m)
Height:	0.016 (m)

#### Fwd/Rev Sep. RMS for dual FWD/REV fixes (16237 occurrences):

East:	0.009 (m)
North:	0.005 (m)
Height:	0.014 (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 %
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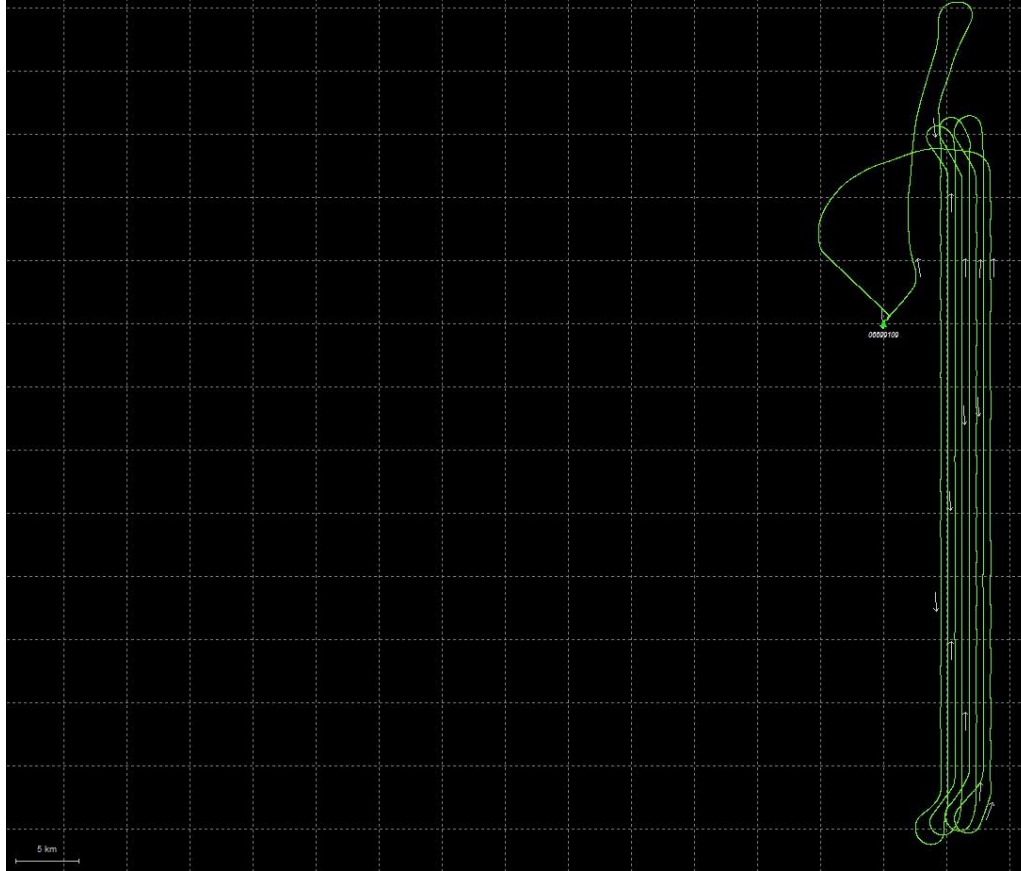
#### Baseline Distances:

Maximum:	51.336 (km)
Minimum:	0.104 (km)
Average:	31.015 (km)
First Epoch:	0.104 (km)
Last Epoch:	0.189 (km)

## Mission 36

## Mission

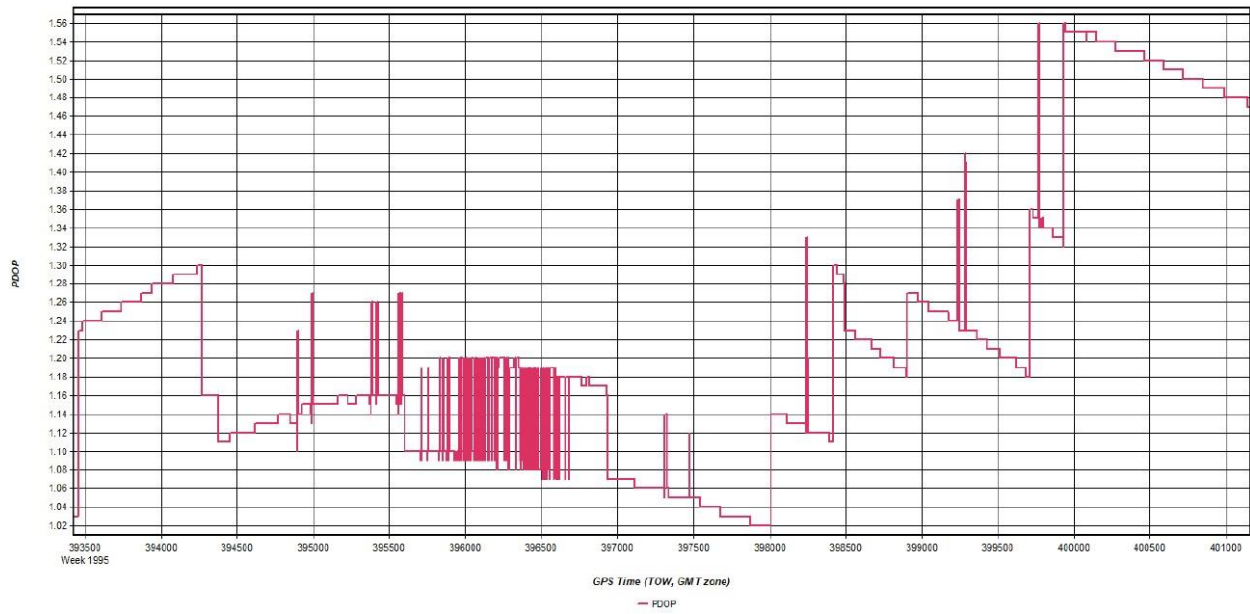
### 37. Flight line trajectory



Mission 37. PDOP



### Mission

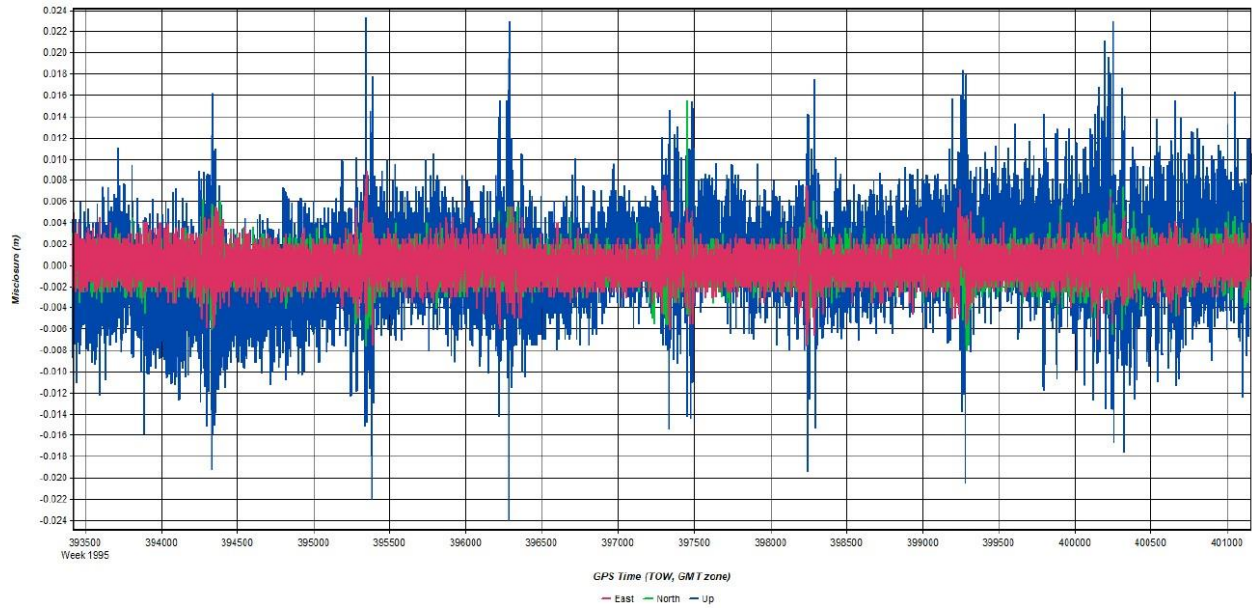


### 37. Number of satellites

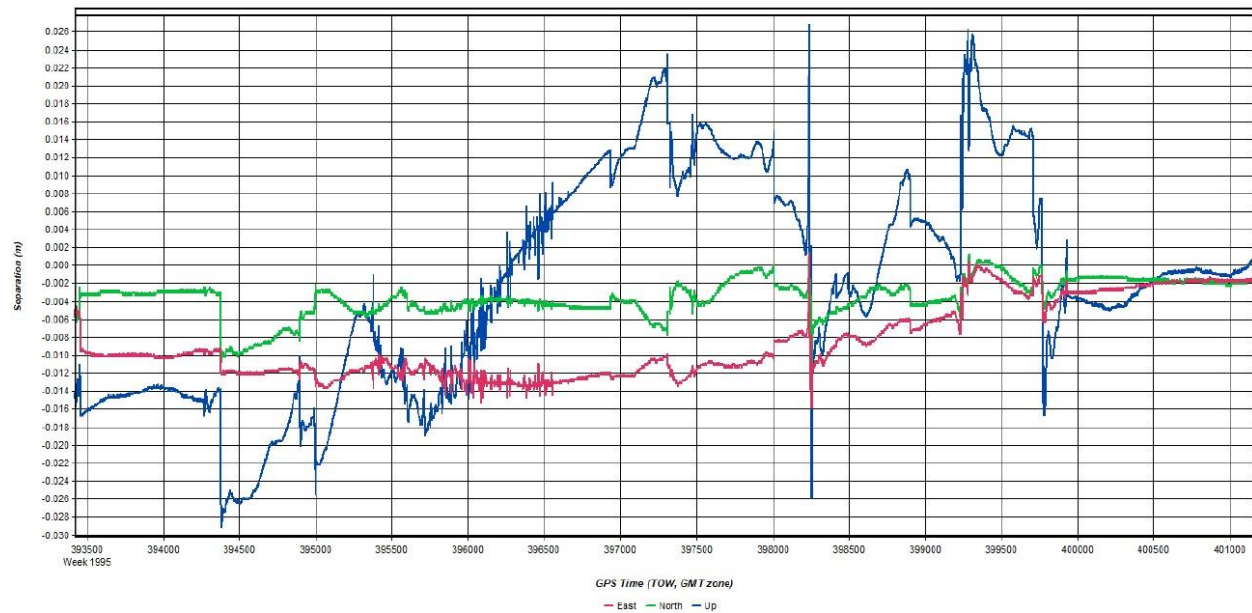


### Mission 37. GPS misclosure

### Mission



### Mission 37. GPS separation



## Mission 37. Processing summary

### Processing Summary Information

Program: Inertial Explorer  
Version: 8.60.6717

Solution Type: Combined

#### Number of Epochs:

Total in GPB file:	19654
No processed position:	2
Missing Fwd or Rev:	3
With bad C/A code:	0
With bad L1 Phase:	0

#### Measurement RMS Values:

L1 Phase:	0.0138 (m)
C/A Code:	0.50 (m)
L1 Doppler:	0.030 (m/s)

#### Fwd/Rev Separation RMS Values:

East:	0.009 (m)
North:	0.004 (m)
Height:	0.013 (m)

#### Fwd/Rev Sep. RMS for dual FWD/REV fixes (19649 occurrences):

East:	0.009 (m)
North:	0.004 (m)
Height:	0.013 (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 %

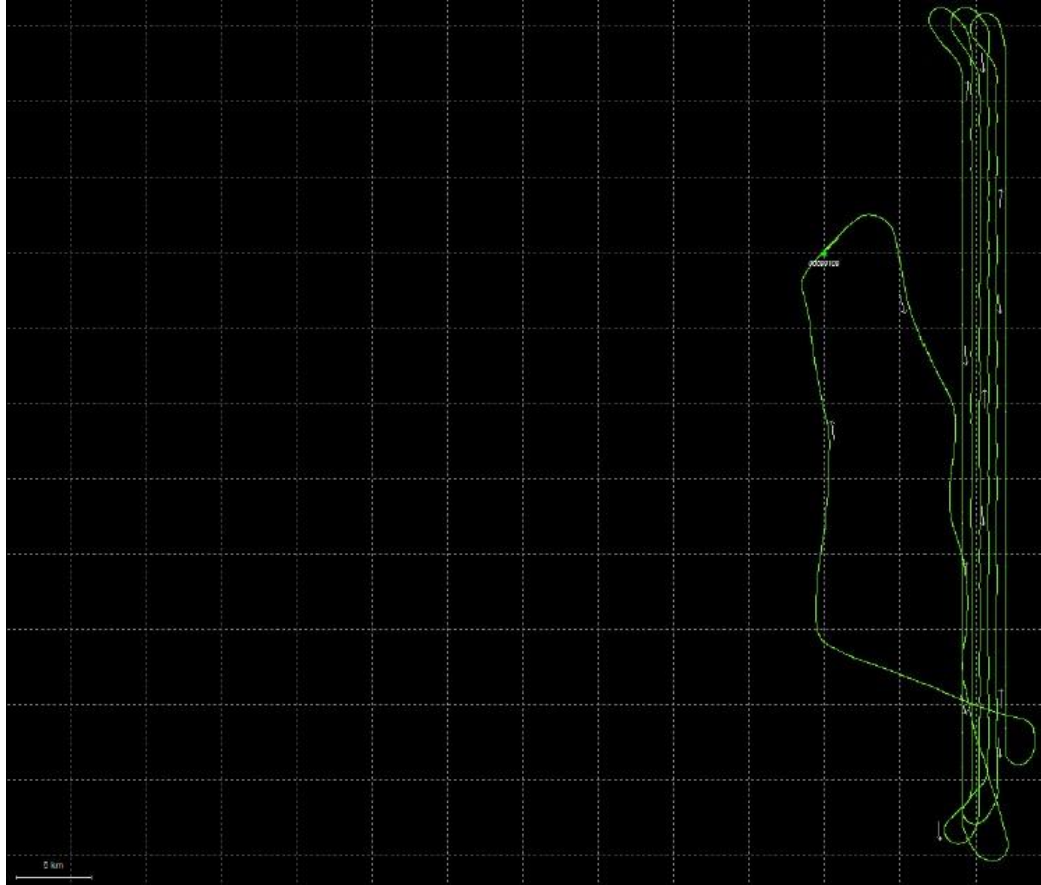
#### Percentages of epochs with DD\_DOP over 10.00:

DOP over Tol:	0.0 %
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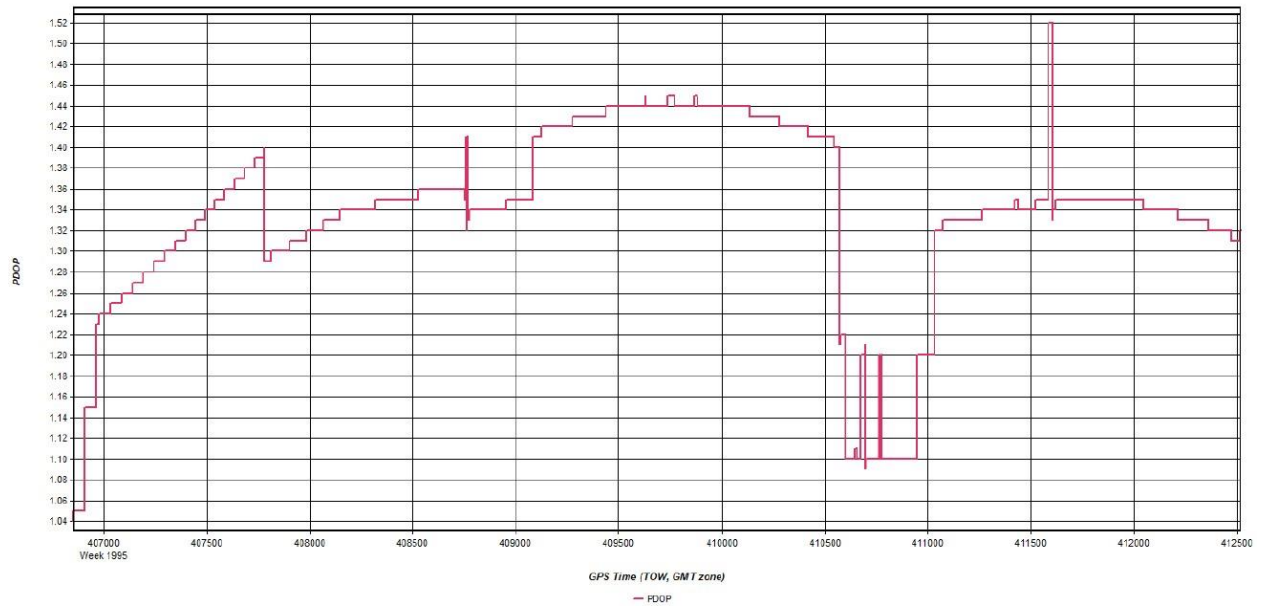
#### Baseline Distances:

Maximum:	41.244 (km)
Minimum:	0.104 (km)
Average:	16.608 (km)
First Epoch:	0.202 (km)
Last Epoch:	0.105 (km)

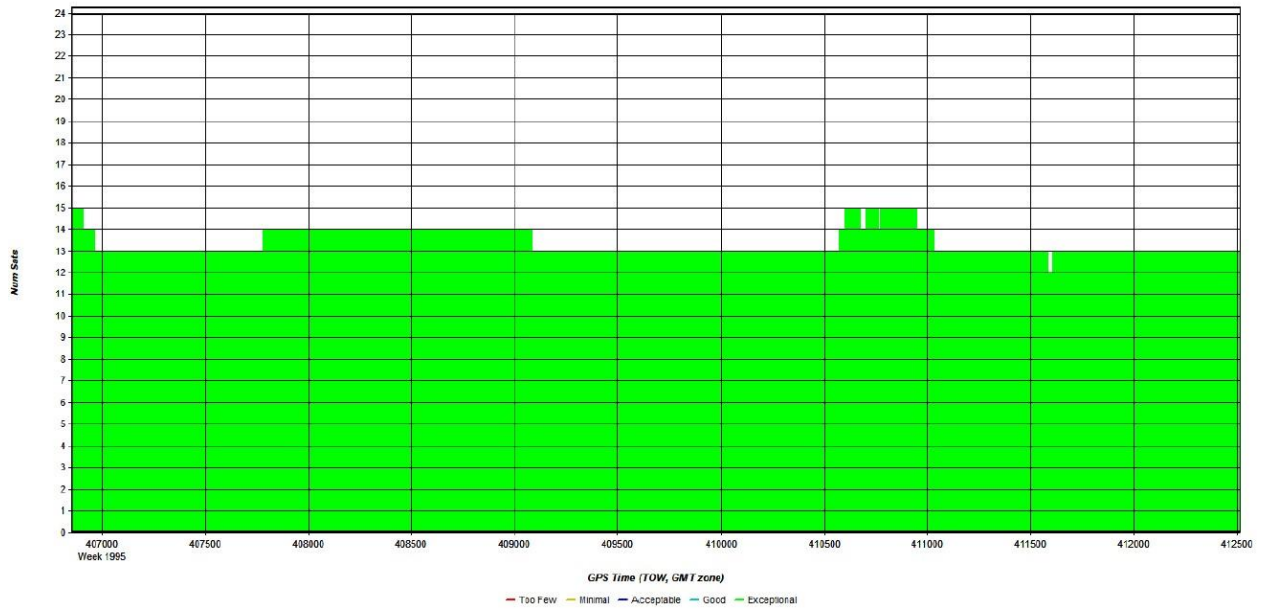
### Mission 38. Flight line trajectory



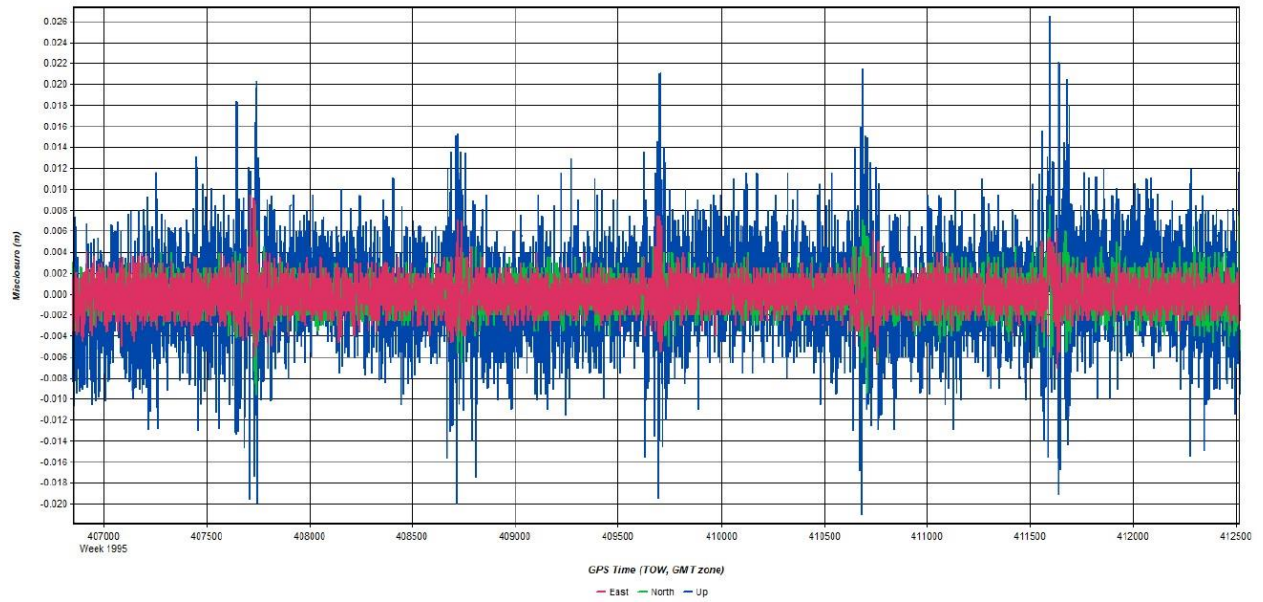
### Mission 38. PDOP



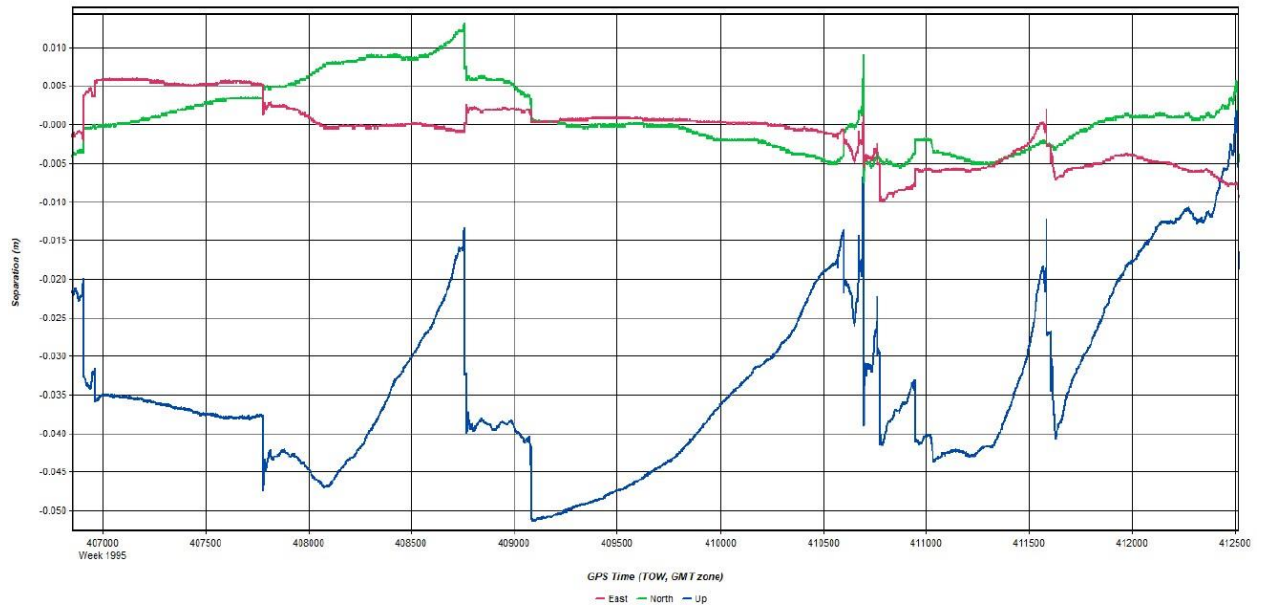
Mission 38. Number of satellites



Mission 38. GPS misclosure



### Mission 38. GPS separation



## Mission 38. Processing summary



### Processing Summary Information

Program: Inertial Explorer  
Version: 8.60.6717

Solution Type: Combined

#### Number of Epochs:

Total in GPB file:	17033
No processed position:	1
Missing Fwd or Rev:	3
With bad C/A code:	0
With bad L1 Phase:	0

#### Measurement RMS Values:

L1 Phase:	0.0168 (m)
C/A Code:	0.66 (m)
L1 Doppler:	0.030 (m/s)

#### Fwd/Rev Separation RMS Values:

East:	0.005 (m)
North:	0.005 (m)
Height:	0.040 (m)

#### Fwd/Rev Sep. RMS for dual FWD/REV fixes (17029 occurrences):

East:	0.005 (m)
North:	0.005 (m)
Height:	0.040 (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 %

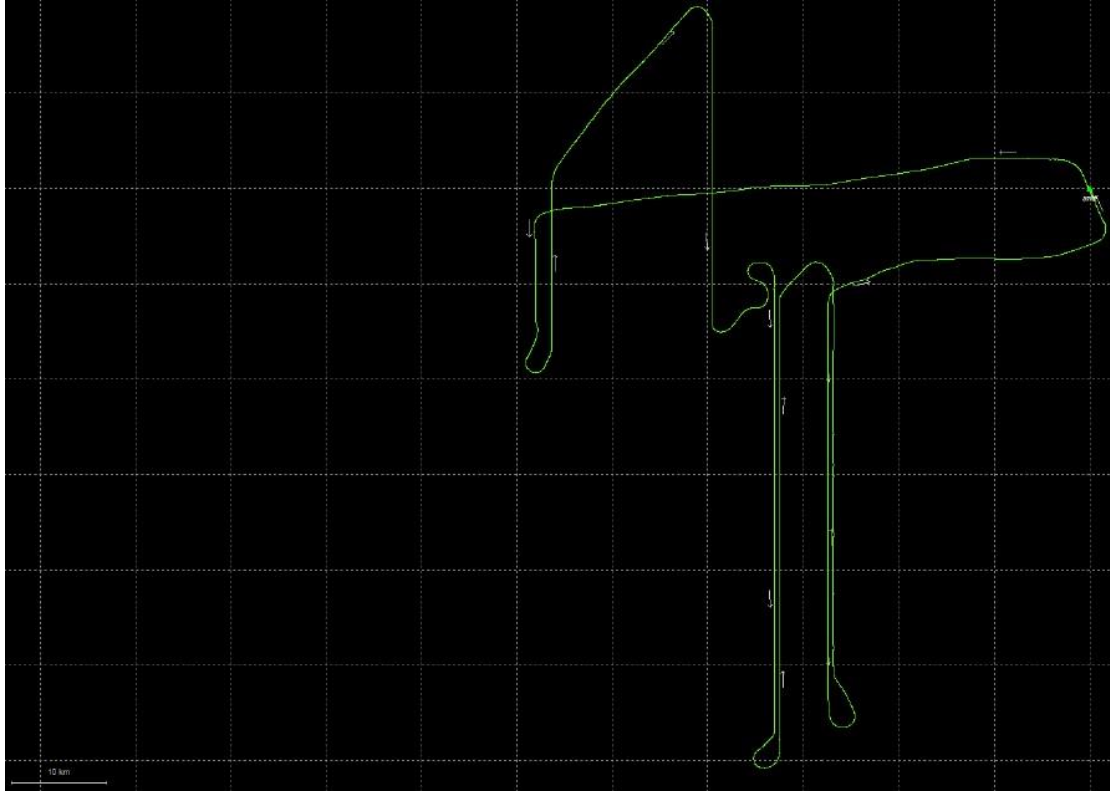
#### Percentages of epochs with DD\_DOP over 10.00:

DOP over Tol:	0.0 %
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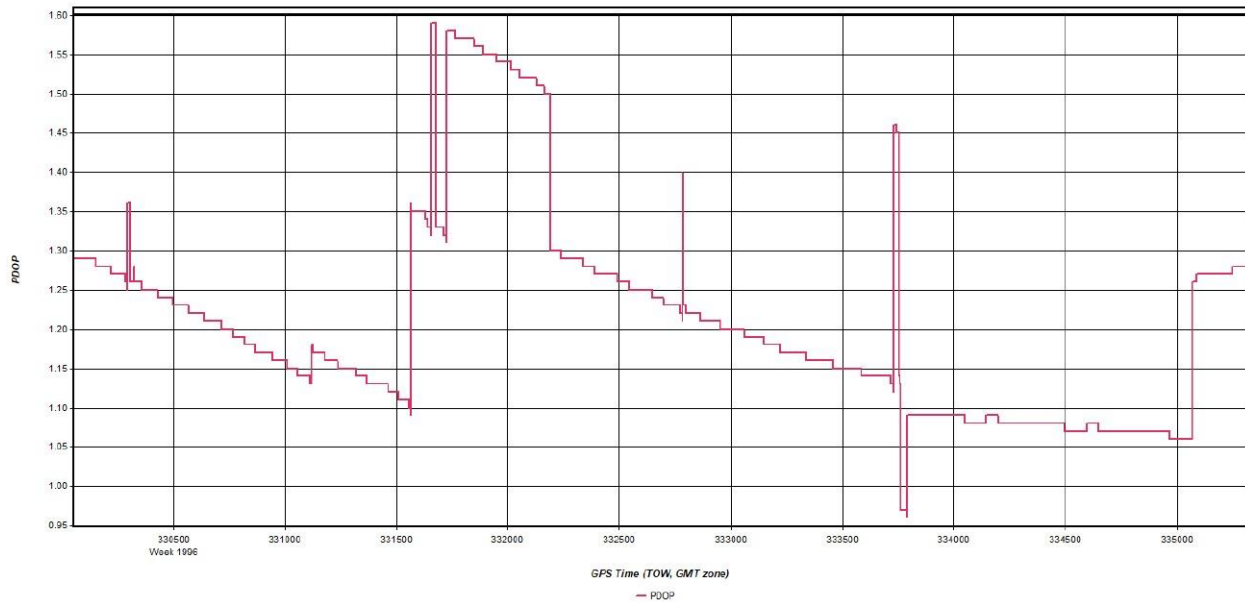
#### Baseline Distances:

Maximum:	41.397 (km)
Minimum:	0.071 (km)
Average:	17.427 (km)
First Epoch:	0.105 (km)
Last Epoch:	0.189 (km)

### Mission 39 . Flight line trajectory

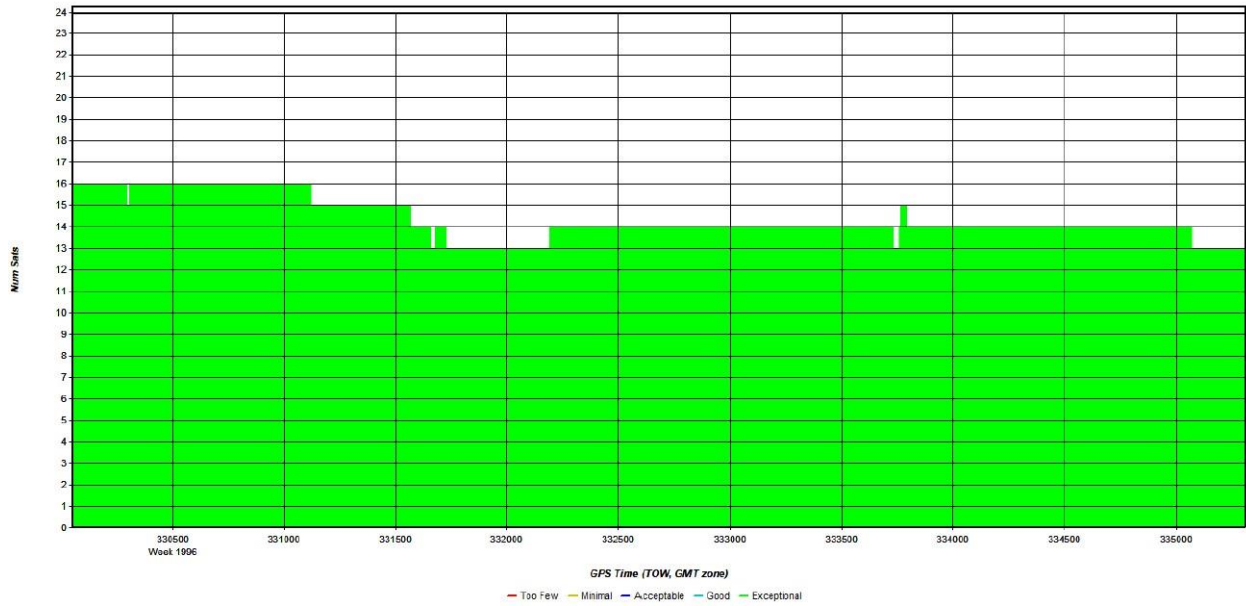


### Mission 39. PDOP

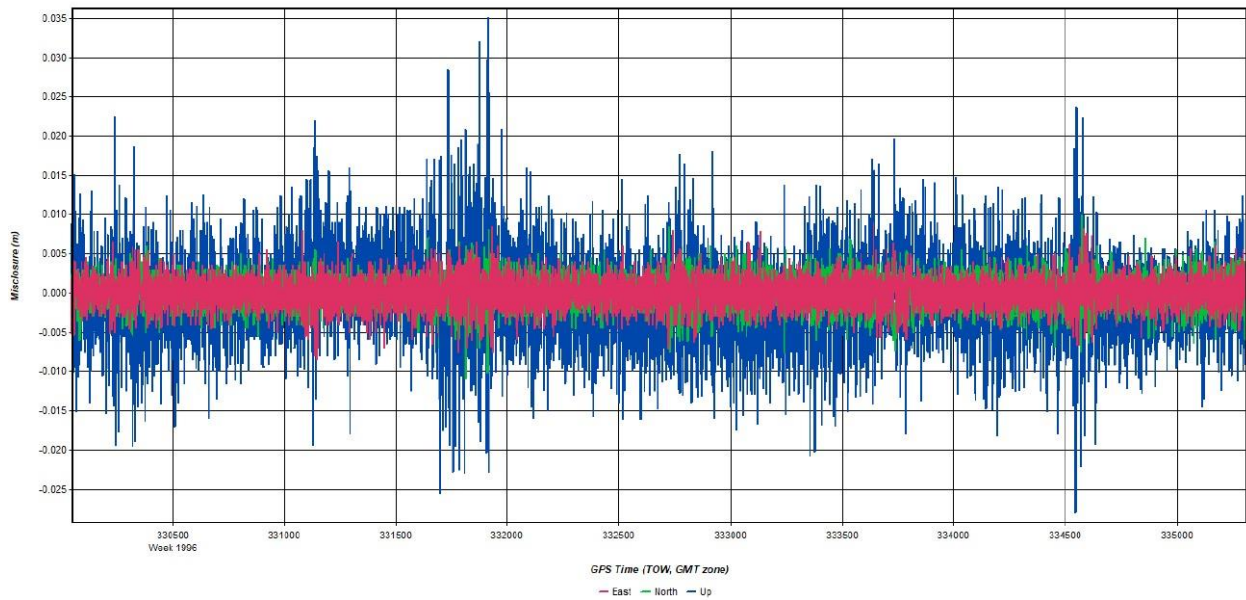


### Mission 39

. Number of satellites

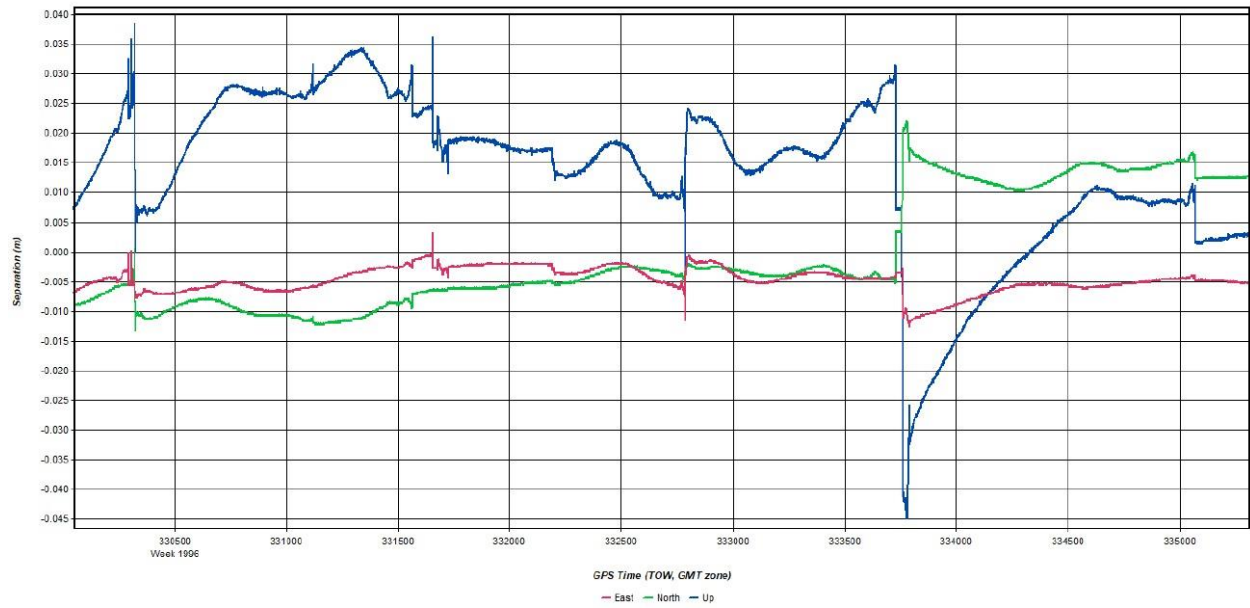


### Mission 39. GPS misclosure



. GPS separation

### Mission 39



Mission 39  
. Processing summary

## Mission 39

### Processing Summary Information

Program: Inertial Explorer  
Version: 8.60.6717

Solution Type: Combined

#### Number of Epochs:

Total in GPB file:	15395
No processed position:	1
Missing Fwd or Rev:	3
With bad C/A code:	0
With bad L1 Phase:	0

#### Measurement RMS Values:

L1 Phase:	0.0181 (m)
C/A Code:	0.80 (m)
L1 Doppler:	0.028 (m/s)

#### Fwd/Rev Separation RMS Values:

East:	0.006 (m)
North:	0.009 (m)
Height:	0.016 (m)

#### Fwd/Rev Sep. RMS for dual FWD/REV fixes (15391 occurrences):

East:	0.006 (m)
North:	0.009 (m)
Height:	0.016 (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:

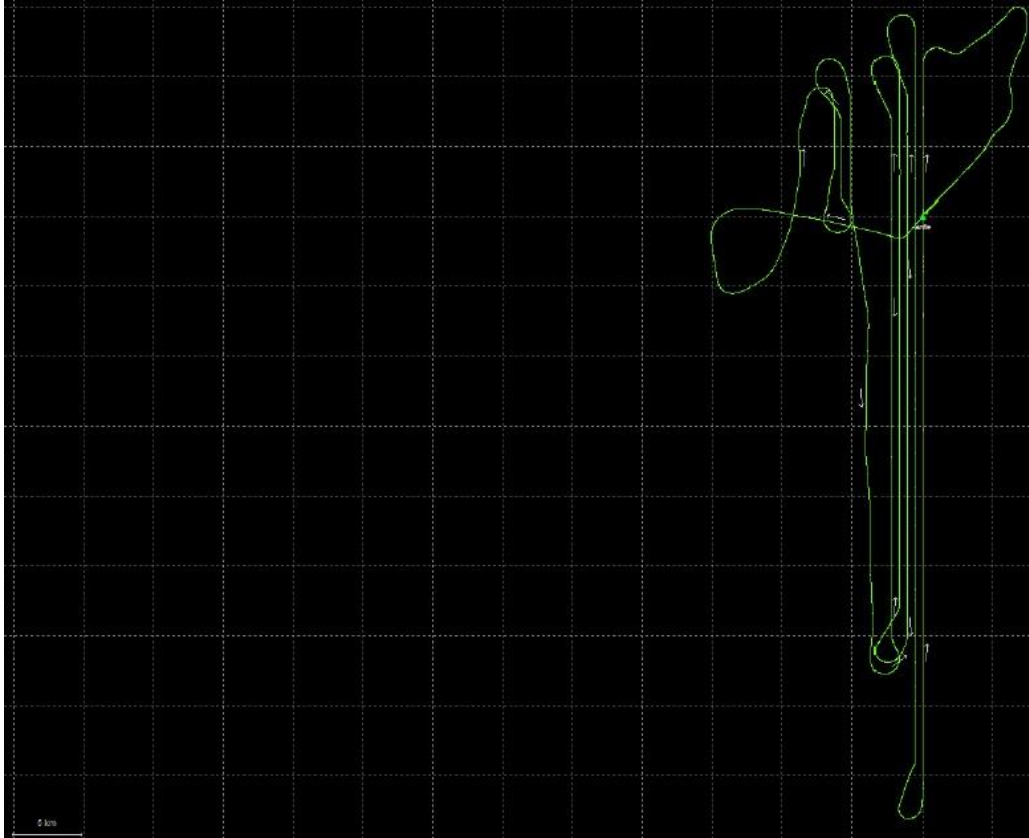
DOP over Tol:	0.0 %
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#### Baseline Distances:

Maximum:	69.589 (km)
Minimum:	0.018 (km)
Average:	37.101 (km)
First Epoch:	0.051 (km)
Last Epoch:	0.048 (km)

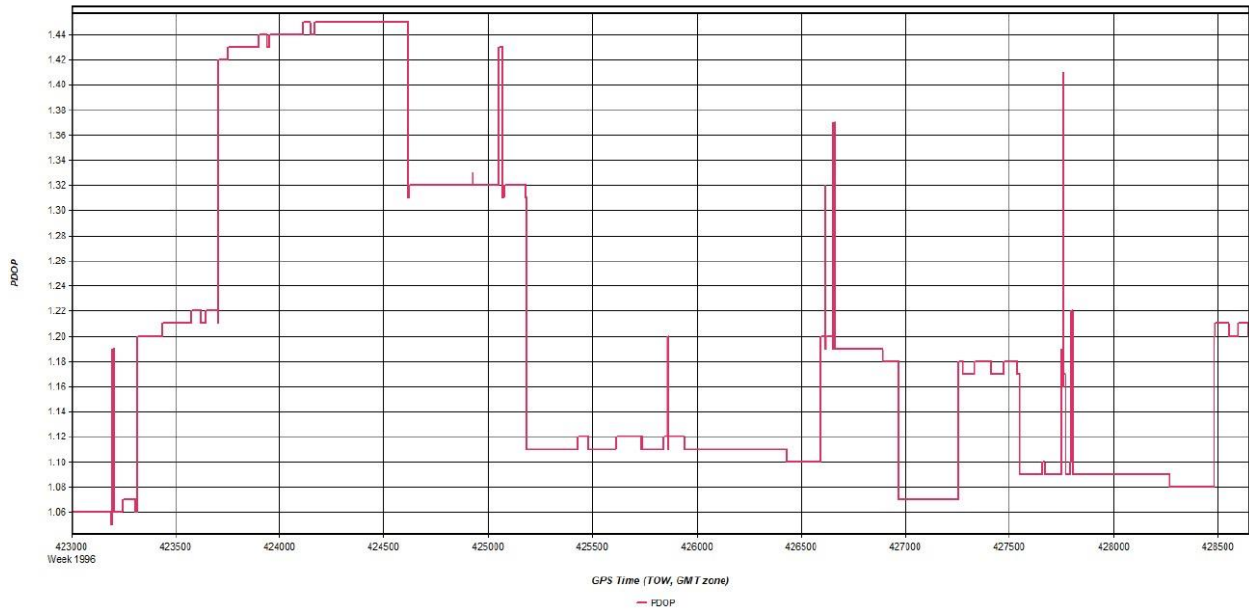
## Mission

### 40. Flight line trajectory

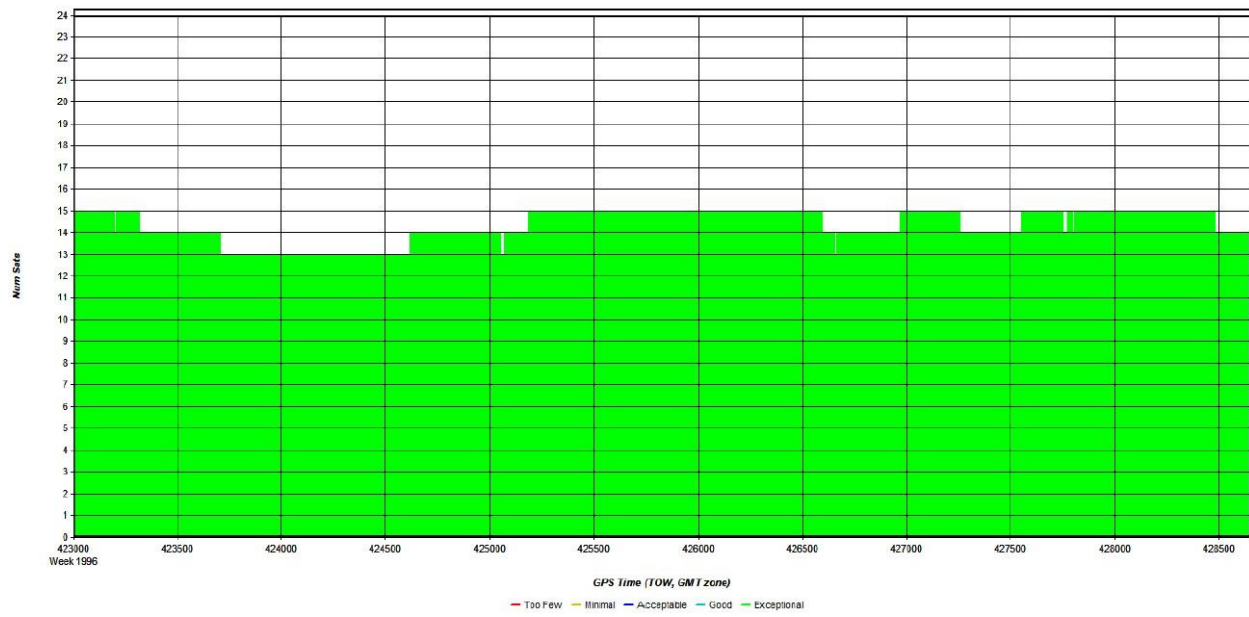


Mission 40. PDOP

### Mission



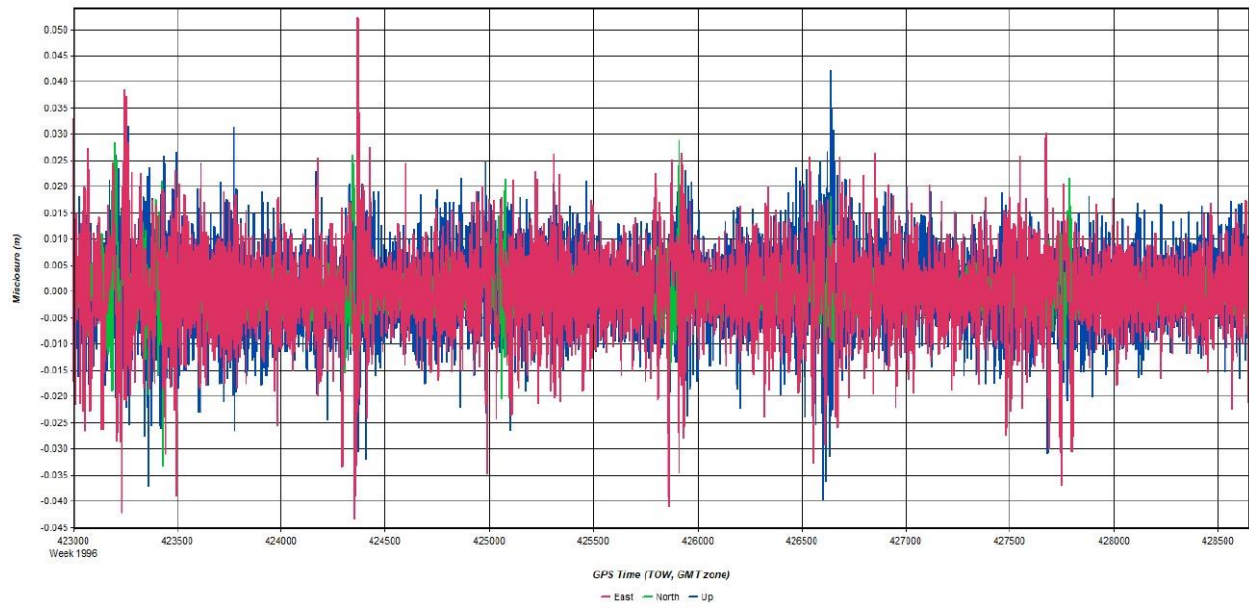
### 40. Number of satellites



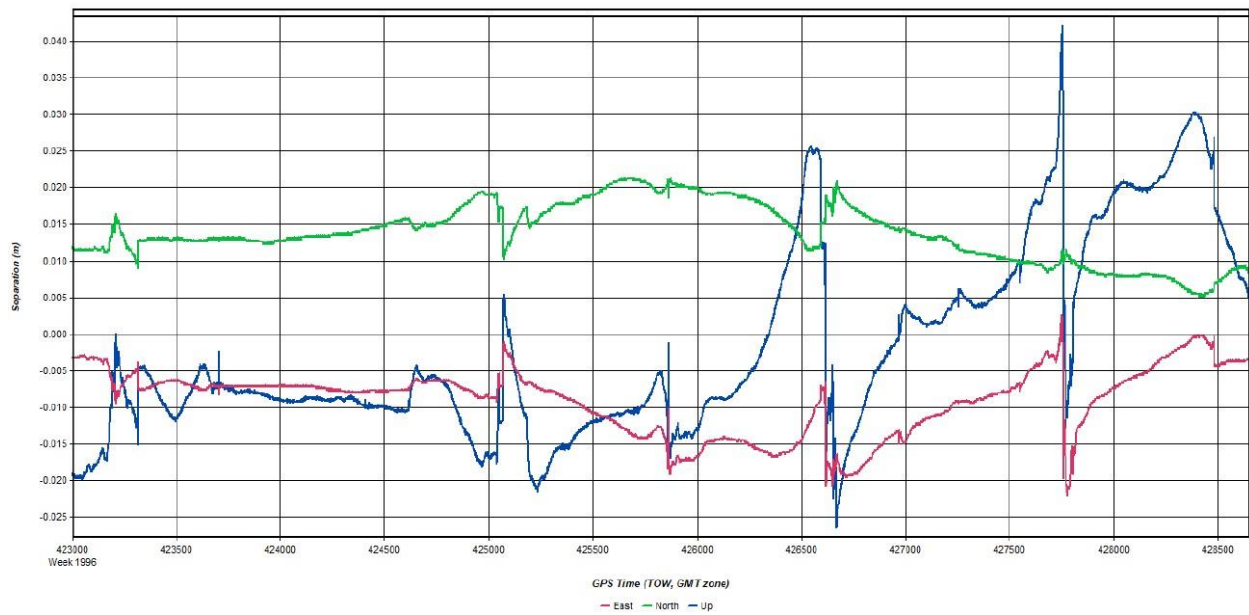
### Mission 40. GPS misclosure



### Mission



### Mission 40. GPS separation



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June 1, 2018  
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Mission  
Mission 40. Processing summary

## Mission

### Processing Summary Information

Program: Inertial Explorer  
Version: 8.60.6717

Solution Type: Combined

#### Number of Epochs:

Total in GPB file:	15589
No processed position:	1
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:	0.87 (m)
L1 Doppler:	0.032 (m/s)

#### Fwd/Rev Separation RMS Values:

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

#### Fwd/Rev Sep. RMS for dual FWD/REV fixes (15584 occurrences):

East:	0.009 (m)
North:	0.014 (m)
Height:	0.013 (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 %
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#### Baseline Distances:

Maximum:	42.622 (km)
Minimum:	0.034 (km)
Average:	12.559 (km)
First Epoch:	0.265 (km)
Last Epoch:	0.204 (km)





## Mission

### Mission 9

PAR LLC PRECISION AERIAL RECONNAISSANCE P.O. Box 72357 Bossier City, LA 72357	Field Crew	LIDAR Daily Log										GPS Information		Metereological Conditions																				
P.O. Box 72357 Bossier City, LA 72357 Flight Date (UTC) 3/4/2018	Project #		TBA		Lever Arm		GPS (m)		x		y		z		Base 1	0669105342 HCN	AGC	Auto	Base 2	Auto	Base 3	Auto	Base 1	0669105342 HCN	2.05m	OPUS	Conditions/Comments							
	Project Description		Amite Watershed		Location		McComb, MS		Sensor		ALS70		N799AC		SENSOR NAVIGATION FILE NAME		20180304_181657		Start Time		16:28:00		Stop Time		13:45:00		Conditions/Comments							
	RCD B		DRIVE 012		GPS (m)		x		y		z		Base 1		0669105342 HCN		AGC		Auto		Base 2		Base 3		Base 1		0669105342 HCN		2.05m		OPUS		Conditions/Comments	
	MISSION 9		McComb, MS		Location		McComb, MS		Sensor		ALS70		N799AC		SENSOR NAVIGATION FILE NAME		20180304_181657		Start Time		16:28:00		Stop Time		13:45:00		Conditions/Comments							
Reflight	Line	Dir	Start	Stop	Total Time	FOV	Scan Rate	Pulse Rate Hz	Roll Comp	Multi Pulse (Y/N)	Altitude ellipsoid (m)	Altitude ellipsoid (ft)	Speed	Neutical Miles Flow	Void "Y"	PDOP	Operator	Conditions/Comments																
	10	LDR180304_185003	18:50:25	18:55:33	0:05:08	3.4	45.1	17500	YES	N	854	8508						Shealy	0000															
	8	LDR180304_185004	18:50:22	18:55:02	0:04:40	3.4	45.1	17500	YES	N	851	8466						Shealy	0000															
	9	LDR180304_185005	18:50:26	18:55:30	0:05:04	3.4	45.0	17500	YES	N	851	8509						Shealy	0000															
	7	LDR180304_185057	18:50:18	18:20:54	0:04:40	3.4	45.1	17500	YES	N	856	8158						Shealy	0000															
	14.001	LDR180304_182056	18:22:06	18:24:48	0:02:00	3.4	45.1	17500	YES	N	821	8263						Shealy	0000															

### Mission 10

PAR LLC PRECISION AERIAL RECONNAISSANCE P.O. Box 72357 Bossier City, LA 72357	Field Crew	LIDAR Daily Log										GPS Information		Metereological Conditions																				
P.O. Box 72357 Bossier City, LA 72357 Flight Date (UTC) 3/4/2018	Project #		TBA		Lever Arm		GPS (m)		x		y		z		Base 1	0669105342 HCN	AGC	Auto	Base 2	Auto	Base 3	Auto	Base 1	0669105342 HCN	2.05m	OPUS	Conditions/Comments							
	Project Description		Amite Watershed		Location		McComb, MS		Sensor		ALS70		N799AC		SENSOR NAVIGATION FILE NAME		20180304_223424		Start Time		22:37:55		Stop Time		0:17:00		Conditions/Comments							
	RCD B		DRIVE 012		GPS (m)		x		y		z		Base 1		0669105342 HCN		AGC		Auto		Base 2		Base 3		Base 1		0669105342 HCN		2.05m		OPUS		Conditions/Comments	
	MISSION 10		McComb, MS		Location		McComb, MS		Sensor		ALS70		N799AC		SENSOR NAVIGATION FILE NAME		20180304_223424		Start Time		22:37:55		Stop Time		0:17:00		Conditions/Comments							
Reflight	Line	Dir	Start	Stop	Total Time	FOV	Scan Rate	Pulse Rate Hz	Roll Comp	Multi Pulse (Y/N)	Altitude ellipsoid (m)	Altitude ellipsoid (ft)	Speed	Neutical Miles Flow	Void "Y"	PDOP	Operator	Conditions/Comments																
	6	LDR180304_230854	23:09:13	23:13:25	0:04:12	3.4	45.1	17500	YES	N	154	5098						Shealy	0000															
	6	LDR180304_231605	23:17:18	23:20:56	0:03:41	3.4	45.1	17500	YES	N	160	5148						Shealy	0000															
	4	LDR180304_232476	23:24:35	23:28:23	0:03:48	3.4	45.0	17500	YES	N	151	5089						Shealy	0000															
	3	LDR180304_233167	23:32:04	23:35:42	0:03:38	3.4	45.1	17500	YES	N	156	5138						Shealy	0000															
	2	LDR180304_233955	23:40:15	23:42:55	0:02:40	3.4	45.1	17500	YES	N	153	5049						Shealy	0000															
	165	LDR180304_244444	23:45:04	23:46:17	0:01:13	3.3	45.0	17500	YES	N	160	5138						Shealy	0000															
	14.001	LDR180304_244026	23:48:47	23:50:38	0:01:51	3.4	45.1	17500	YES	N	153	5046						Shealy	0000															

### Mission 11

PAR LLC PRECISION AERIAL RECONNAISSANCE P.O. Box 72357 Bossier City, LA 72357	Field Crew	LIDAR Daily Log										GPS Information		Metereological Conditions																
P.O. Box 72357 Bossier City, LA 72357 Flight Date (UTC) 3/5/2018	Project #		TBA		Lever Arm		GPS (m)		x		y		z		Base 1	Auto	AGC	Auto	Base 2	Auto	Base 3	Auto	Base 1	Auto	Base 2	Auto	Base 3	Auto	Conditions/Comments	
	Project Description		Amite Watershed		Location		McComb, MS		Sensor		ALS70		N799AC		SENSOR NAVIGATION FILE NAME		20180305_141459		Start Time		14:17:48		Stop Time		16:10:00		Conditions/Comments			
	RCD B		DRIVE 12		GPS (m)		x		y		z		Base 1		Auto		AGC		Auto		Base 2		Base 3		Base 1		Auto		Conditions/Comments	
	MISSION 11		McComb, MS		Location		McComb, MS		Sensor		ALS70		N799AC		SENSOR NAVIGATION FILE NAME		20180305_141459		Start Time		14:17:48		Stop Time		16:10:00		Conditions/Comments			
Reflight	Line	Dir	Start	Stop	Total Time	FOV	Scan Rate	Pulse Rate Hz	Roll Comp	Multi Pulse (Y/N)	Altitude ellipsoid (m)	Altitude ellipsoid (ft)	Speed	Neutical Miles Flow	Void "Y"	PDOP	Operator	Conditions/Comments												
	163	180305_144640	14:47:00	15:01:31	0:14:31	38.6	48.4	225000	YES	Y	1146.029	3768						Shealy	0000											
	164	180305_150426	15:04:47	15:18:14	0:11:27	38.4	48.4	225000	YES	Y	1146.026	3773						Shealy	0000											
	165	180305_152002	15:20:23	15:34:31	0:14:09	38.4	48.4	225000	YES	Y	1145.962	3758						Shealy	0000											
	166	180305_153725	15:37:46	15:49:35	0:11:50	38.2	48.4	225000	YES	Y	1144.102	3754						Shealy	0000											
	14.001	180305_153237	15:52:37	15:54:16	0:01:39	38.3	48.4	225000	YES	Y	1093.618	3558						Shealy	0000											

### Mission 12

PAR LLC PRECISION AERIAL RECONNAISSANCE P.O. Box 72357 Bossier City, LA 72357	Field Crew	LIDAR Daily Log										GPS Information		Metereological Conditions																
P.O. Box 72357 Bossier City, LA 72357 Flight Date (UTC) 3/6/2018	Project #		TBA		Lever Arm		GPS (m)		x		y		z		Base 1	Auto	AGC	Auto	Base 2	Auto	Base 3	Auto	Base 1	Auto	Base 2	Auto	Base 3	Auto	Conditions/Comments	
	Project Description		Amite Watershed		Location		McComb, MS		Sensor		ALS70		N799AC		SENSOR NAVIGATION FILE NAME		20180306_151047		Start Time		15:14:10		Stop Time		18:07:00		Conditions/Comments			
	RCD B		DRIVE 013		GPS (m)		x		y		z		Base 1		Auto		AGC		Auto		Base 2		Base 3		Base 1		Auto		Conditions/Comments	
	MISSION 12		McComb, MS		Location		McComb, MS		Sensor		ALS70		N799AC		SENSOR NAVIGATION FILE NAME		20180306_151047		Start Time		15:14:10		Stop Time		18:07:00		Conditions/Comments			
Reflight	Line	Dir	Start	Stop	Total Time	FOV	Scan Rate	Pulse Rate Hz	Roll Comp	Multi Pulse (Y/N)	Altitude ellipsoid (m)	Altitude ellipsoid (ft)	Speed	Neutical Miles Flow	Void "Y"	PDOP	Operator	Conditions/Comments												
	167	180306_153647	15:37:07	15:48:03	0:10:56	38.2	48.4	225000	YES	Y	1146.416	3761						Shealy	0000											
	168	180306_155136	15:51:55	16:06:34	0:14:39	38.1	48.4	225000	YES	Y	1146.296	3761						Shealy	0000											
	169	180306_160952	16:10:11	16:20:50	0:10:39	38.4	48.4	225000	YES	Y	1147.871	3766						Shealy	0000											
	170	180306_162447	16:25:06	16:40:09	0:15:04	38.3	48.4	225000	YES	Y	1142.351	3748						Shealy	0000											
	171	180306_164323	16:43:42	16:54:34	0:10:52	38.2	48.4	225000	YES	Y	1168.372	3833						Shealy	0000											
	172	180306_165810	16:58:29	17:13:18	0:14:50	38.3	48.4	225000	YES	Y	1192.787	3913						Shealy	0000											
	173	180306_171654	17:16:53	17:27:00	0:10:12	38.6	48.4	225000	YES	Y	1192.144	3911						Shealy	0000											
	174	180306_173107	17:31:25	17:45:13	0:13:48	38.7	48.4	225000	YES	Y	1195.862	3923						Shealy	0000											
	14.001	180306_174755	17:48:14	17:50:06	0:01:51	39.5	48.4	225000	YES	Y	1167.436	3830						Shealy	0000											

### Mission 13

Mission

Field Crew												LIDAR Daily Log												GPS Information			Meteorological Conditions			
Project# TBA												Project Description TBA												Base 1 06699106540 HCN			Elevation			
RCD B DRIVE 13												Amite Watershed												Base 2 Auto			Temp			
Location												GPS (m)												Base 3			Pressure			
MISSION 13												McComb,MS												MU Information			GPS Base Station Information			
Sensor												Aircraft N799AC												Start Time 21:49:05			File Name			
Pilot Griffin												Operator Shealy												Stop Time 00:24:30			Base 1 06699106540 HCN			
Flight Date (UTC) 3/8/2018												SENSOR NAVIGATION FILE NAME 20180308_214546												Base 2			Base 3			
ReFlight	Line	Dir	Start	Stop	Total Time	FOV	Scan Rate	Pulse Rate Hz	Roll Comp	Mult Pulse (Y/N)	Altitude ellipsoid (m)	Altitude ellipsoid (ft)	Speed	Nadir/Mis Flow	Void "Y"	PDOF	Operator	Conditions/Comments												
	187	180306	221109	22:11:28	22:13:38	0:02:10	39.2	48.4	225000	YES	Y	1200.611	3939				Shealy	GOOD												
	186	180306	221705	22:17:25	22:20:09	0:02:44	39.2	48.4	225000	YES	Y	1183.55	3883				Shealy	GOOD												
	185	180306	222345	22:24:04	22:27:44	0:03:39	39.2	48.4	225000	YES	Y	1203.679	3949				Shealy	GOOD												
	184	180306	223115	22:31:34	22:37:00	0:05:26	39.1	48.4	225000	YES	Y	1175.491	3857				Shealy	GOOD												
	183	180306	223953	22:40:13	22:46:31	0:06:19	39.1	48.4	225000	YES	Y	1208.629	3965				Shealy	GOOD												
	182	180306	224514	22:49:33	22:56:09	0:06:36	39.4	48.4	225000	YES	Y	1195.877	3923				Shealy	GOOD												
	181	180306	225900	22:58:20	23:06:48	0:07:28	39.5	48.4	225000	YES	Y	1189.998	3904				Shealy	GOOD												
	180	180306	230906	23:09:26	23:16:18	0:06:52	38.3	48.4	225000	YES	Y	1184.474	3886				Shealy	GOOD												
	179	180306	232155	23:22:14	23:33:04	0:10:50	38.6	48.4	225000	YES	Y	1146.847	3763				Shealy	GOOD												
	178	180306	233815	23:38:34	23:48:16	0:09:42	38.3	48.4	225000	YES	Y	1179.995	3871				Shealy	GOOD												
	177	180306	235657	23:51:16	0:01:53	0:10:36	38.5	48.4	225000	YES	Y	1174.794	3854				Shealy	GOOD												
	UK001	180307	000456	0:05:15	0:07:07	0:01:51	38.3	48.4	225000	YES	Y	1198.994	3934				Shealy	GOOD												

Mission 14

Field Crew												LIDAR Daily Log												GPS Information			Meteorological Conditions			
Project# TBA												Project Description TBA												Base 1 06699106540 HCN			Elevation			
RCD B DRIVE 11												Amite Watershed												Base 2 Auto			Temp			
Location												GPS (m)												Base 3			Pressure			
MISSION 14												McComb,MS												MU Information			GPS Base Station Information			
Sensor												Aircraft N799AC												Start Time 14:17:53			File Name			
Pilot Griffin												Operator Shealy												Stop Time 17:27:42			Base 1 06699106540 HCN			
Flight Date (UTC) 3/7/2018												SENSOR NAVIGATION FILE NAME 20180307_141513												Base 2			Base 3			
ReFlight	Line	Dir	Start	Stop	Total Time	FOV	Scan Rate	Pulse Rate Hz	Roll Comp	Mult Pulse (Y/N)	Altitude ellipsoid (m)	Altitude ellipsoid (ft)	Speed	Nadir/Mis Flow	Void "Y"	PDOF	Operator	Conditions/Comments												
	176	180307	144131	14:41:49	14:51:44	0:09:56	38.2	48.4	225000	YES	Y	1173.140	3969				Shealy	GOOD												
	175	180307	145414	14:54:32	14:58:01	0:03:29	38.2	48.4	225000	YES	Y	1214.077	3983				Shealy	GOOD												
	174	180307	150422	15:04:40	15:17:33	0:12:33	38.4	48.4	225000	YES	Y	1175.53	3857				Shealy	GOOD												
	173	180307	151941	15:19:59	15:30:20	0:10:21	38.4	48.4	225000	YES	Y	1130.099	3708				Shealy	GOOD												
	172	180307	153256	15:33:14	15:46:08	0:12:52	38.4	48.4	225000	YES	Y	1175.263	3856				Shealy	GOOD												
	171	180307	154449	15:49:07	15:59:50	0:10:43	38.6	48.4	225000	YES	Y	1132.636	3716				Shealy	GOOD												
	170	180307	160307	16:03:25	16:17:01	0:13:36	38.4	48.4	225000	YES	Y	1156.161	3793				Shealy	GOOD												
	169	180307	161945	16:20:03	16:30:56	0:10:52	38.4	48.4	225000	YES	Y	1202.099	3944				Shealy	GOOD												
	168	180307	163337	16:33:55	16:47:09	0:13:14	38.7	48.4	225000	YES	Y	1168.496	3834				Shealy	GOOD												
	167	180307	165025	16:50:43	17:01:48	0:11:05	38.8	48.4	225000	YES	Y	1155.52	3791				Shealy	GOOD												
	UK001	180307	170454	17:05:12	17:07:37	0:02:25	38.6	48.4	225000	YES	Y	1198.874	3907				Shealy	GOOD												

Mission 15

Field Crew												LIDAR Daily Log												GPS Information			Meteorological Conditions			
Project# TBA												Project Description TBA												Base 1 06699106540 HCN			Elevation			
RCD B DRIVE 11												Amite Watershed												Base 2 Auto			Temp			
Location												GPS (m)												Base 3			Pressure			
MISSION 15												McComb,MS												MU Information			GPS Base Station Information			
Sensor												Aircraft N799AC												Start Time 20:58:50			File Name			
Pilot Griffin												Operator Shealy												Stop Time 23:57:00			Base 1 06699106540 HCN			
Flight Date (UTC) 3/8/2018												SENSOR NAVIGATION FILE NAME 20180308_205516												Base 2			Base 3			
ReFlight	Line	Dir	Start	Stop	Total Time	FOV	Scan Rate	Pulse Rate Hz	Roll Comp	Mult Pulse (Y/N)	Altitude ellipsoid (m)	Altitude ellipsoid (ft)	Speed	Nadir/Mis Flow	Void "Y"	PDOF	Operator	Conditions/Comments												
	166	180308	212843	21:29:03	21:42:11	0:13:08	38.8	48.4	225000	YES	Y	1172.54	3847				Shealy	reflex												
	165	180308	214456	21:45:16	21:57:13	0:11:58	38.5	48.4	225000	YES	Y	1162.302	3813				Shealy	reflex												
	162	180308	220208	22:02:28	22:17:15	0:14:47	39.4	48.4	225000	YES	Y	1153.703	3785				Shealy	GOOD												
	161	180308	221950	22:20:10	22:34:22	0:14:12	39.3	48.4	225000	YES	Y	1148.24	3741				Shealy	GOOD												
	160	180308	223712	22:37:32	22:52:02	0:14:29	39.3	48.4	225000	YES	Y	1142.367	3748				Shealy	GOOD												
	159	180308	225491	22:55:32	23:09:59	0:14:27	38.3	48.4	225000	YES	Y	1125.077	3691				Shealy	GOOD												
	158	180308	231230	23:12:49	23:27:10	0:14:20	38.4	48.4	225000	YES	Y	1120.072	3675				Shealy	GOOD												
	UK001	180308	233041	23:31:01	23:32:57	0:01:56	38.7	48.4	225000	YES	Y	1040.307	3413				Shealy	GOOD												

Mission 16

### Mission

PAR LLC PRECISION AERIAL RECONNAISSANCE P.O. Box 72357 Bossier City, LA 72357															LIDAR Daily Log										GPS Information				Meteorological Conditions																																							
Field Crew															Project # TBA										Base 1 066991065A0 HCN				AGC				Elevation				Temp				Pressure																											
RCD B DRIVE 11															Project Description Amite Watershed										Base 2 Auto				Airport				Elevation				Temp				Pressure																											
MISSION 16															Location McComb, MS										Base 3 @ Altitude				Aero 1 @ Altitude				GPS Base Station Information				File Name				Ant Hgt				Ant Type																							
Flight Date (UTC)															Sensor										Start Time 13:34:36				Stop Time 17:16:00				Base 1 066991065A0 HCN				Base 2 2.00 m				CHC9005																											
Pilot Griffin															Operator Shealy										Aircraft N799AC				SENSOR NAVIGATION FILE NAME 20180309_133138				Multi Pulse (Y/N)				Altitude ellipsoid (m)				Altitude ellipsoid (ft)				Speed				Nautical Miles Flown				Void "Y"				PDOP				Operator				Conditions/Comments			
Reflight	Line	Dir	Start	Stop	Total Time	FOV	Scan Rate	Pulse Rate Hz	Roll Comp	Multi Pulse (Y/N)	Altitude ellipsoid (m)	Altitude ellipsoid (ft)	Speed	Nautical Miles Flown	Void "Y"	PDOP	Operator	Conditions/Comments																																																		
	157	180309	135907	13:59:27	0:14:08	38.6	48.4	225000	YES	Y	1136.958	3730						Shealy	GOOD																																																	
	156	180309	141709	14:17:29	0:15:16	38.2	48.4	225000	YES	Y	1155.056	3790						Shealy	GOOD																																																	
	155	180309	143506	14:35:26	0:14:29	38.3	48.4	225000	YES	Y	1150.946	3645						Shealy	GOOD																																																	
	154	180309	145220	14:52:40	0:15:25	38.4	48.4	225000	YES	Y	1129.296	3705						Shealy	GOOD																																																	
	153	180309	151037	15:10:56	0:14:04	38.7	48.4	225000	YES	Y	1142.295	3748						Shealy	GOOD																																																	
	152	180309	152730	15:27:49	0:15:42	38.3	48.4	225000	YES	Y	1153.813	3785						Shealy	GOOD																																																	
	151	180309	154615	15:46:35	0:13:58	38.8	48.4	225000	YES	Y	1128.257	3702						Shealy	GOOD																																																	
	150	180309	160320	16:03:40	0:15:53	38.4	48.4	225000	YES	Y	1129.017	3704						Shealy	GOOD																																																	
	149	180309	162200	16:22:20	0:13:58	38.4	48.4	225000	YES	Y	1127.76	3700						Shealy	GOOD																																																	
	148	180309	163859	16:39:18	0:16:08	38.3	48.4	225000	YES	Y	1134.076	3721						Shealy	GOOD																																																	
	14,001	180309	165869	16:58:19	0:16:52	38.5	48.4	225000	YES	Y	1127.705	3700						Shealy	GOOD																																																	

### Mission 17

PAR LLC PRECISION AERIAL RECONNAISSANCE P.O. Box 72357 Bossier City, LA 72357															LIDAR Daily Log										GPS Information				Meteorological Conditions																																							
Field Crew															Project # TBA										Base 1 066991065A0 HCN				AGC				Elevation				Temp				Pressure																											
RCD B DRIVE 11															Project Description Amite Watershed										Base 2 Auto				Airport				Elevation				Temp				Pressure																											
MISSION 17															Location McComb, MS										Base 3 @ Altitude				Aero 1 @ Altitude				GPS Base Station Information				File Name				Ant Hgt				Ant Type																							
Flight Date (UTC)															Sensor										Start Time 18:40:11				Stop Time 19:55:00				Base 1 066991065A0 HCN				Base 2 2.00 m				CHC9005																											
Pilot Griffin															Operator Shealy										Aircraft AL570				SENSOR NAVIGATION FILE NAME 20180309_183557				Multi Pulse (Y/N)				Altitude ellipsoid (m)				Altitude ellipsoid (ft)				Speed				Nautical Miles Flown				Void "Y"				PDOP				Operator				Conditions/Comments			
Reflight	Line	Dir	Start	Stop	Total Time	FOV	Scan Rate	Pulse Rate Hz	Roll Comp	Multi Pulse (Y/N)	Altitude ellipsoid (m)	Altitude ellipsoid (ft)	Speed	Nautical Miles Flown	Void "Y"	PDOP	Operator	Conditions/Comments																																																		
	147	180309	190357	19:04:17	0:13:55	40.4	48.4	225000	YES	Y	1107.581	3634						Shealy	GOOD																																																	
	146	180309	192216	19:22:36	0:15:58	38.4	48.4	225000	YES	Y	1113.585	3653						Shealy	GOOD																																																	
	14,001	180309	194034	19:40:53	0:19:41	40	48.4	225000	YES	Y	1104.956	3625						Shealy	GOOD																																																	

### Mission 18

PAR LLC PRECISION AERIAL RECONNAISSANCE P.O. Box 72357 Bossier City, LA 72357															LIDAR Daily Log										GPS Information				Meteorological Conditions																																							
Field Crew															Project # TBA										Base 1 066991065A0 HCN				AGC				Elevation				Temp				Pressure																											
RCD B DRIVE 13															Project Description Amite Watershed										Base 2 Auto				Airport				Elevation				Temp				Pressure																											
MISSION 18															Location Baton Rouge, LA										Base 3 @ Altitude				Aero 1 @ Altitude				GPS Base Station Information				File Name				Ant Hgt				Ant Type																							
Flight Date (UTC)															Sensor										Start Time 19:35:27				Stop Time 21:14:20				Base 1 066991065A0 HCN				Base 2 2.00 m				CHC9005																											
Pilot Griffin															Operator Shealy										Aircraft AL570				SENSOR NAVIGATION FILE NAME 20180312_192411				Multi Pulse (Y/N)				Altitude ellipsoid (m)				Altitude ellipsoid (ft)				Speed				Nautical Miles Flown				Void "Y"				PDOP				Operator				Conditions/Comments			
Reflight	Line	Dir	Start	Stop	Total Time	FOV	Scan Rate	Pulse Rate Hz	Roll Comp	Multi Pulse (Y/N)	Altitude ellipsoid (m)	Altitude ellipsoid (ft)	Speed	Nautical Miles Flown	Void "Y"	PDOP	Operator	Conditions/Comments																																																		
	145	180312	195615	19:56:33	0:15:55	38.8	53.4	234000	YES	Y	1117.214	3672						Shealy	GOOD																																																	
	144	180312	201436	20:14:54	0:13:25	38.1	53.4	233900	YES	Y	1136.685	3729						Shealy	GOOD																																																	
	143	180312	201213	20:11:42	0:15:30	38.3	53.4	233800	YES	Y	1169.311	3836						Shealy	GOOD																																																	
	142	180312	205604	20:50:22	0:13:32	38.2	53.4	234000	YES	Y	1113.618	3654						Shealy	GOOD																																																	
	14,001	180312	210621	21:06:39	0:17:25	39.5	53.4	233900	YES	Y	1107.615	3615						Shealy	GOOD																																																	

### Mission 19

PAR LLC PRECISION AERIAL RECONNAISSANCE P.O. Box 72357 Bossier City, LA 72357															LIDAR Daily Log										GPS Information				Meteorological Conditions																																							
Field Crew															Project # TBA										Base 1 066991065A0 HCN				AGC				Elevation				Temp				Pressure																											
RCD B DRIVE 03															Project Description Amite Watershed										Base 2 Auto				Airport				Elevation				Temp				Pressure																											
MISSION 19															Location Baton Rouge, LA										Base 3 @ Altitude				Aero 1 @ Altitude				GPS Base Station Information				File Name				Ant Hgt				Ant Type																							
Flight Date (UTC)															Sensor										Start Time 12:01:21				Stop Time 16:03:03				Base 1 066991065A0 HCN				Base 2 2.00 m				CHC9005																											
Pilot Griffin															Operator Shealy										Aircraft N799AC				SENSOR NAVIGATION FILE NAME 20180313_122935				Multi Pulse (Y/N)				Altitude ellipsoid (m)				Altitude ellipsoid (ft)				Speed				Nautical Miles Flown				Void "Y"				PDOP				Operator				Conditions/Comments			
Reflight	Line	Dir	Start	Stop	Total Time	FOV	Scan Rate	Pulse Rate Hz	Roll Comp	Multi Pulse (Y/N)	Altitude ellipsoid (m)	Altitude ellipsoid (ft)	Speed	Nautical Miles Flown	Void "Y"	PDOP	Operator	Conditions/Comments																																																		
	141	180313	057576	05:75:36	0:15:31	38.4	53.4	233800	YES	N	1057	3501	101440	117				Shealy	GOOD																																																	
	140	180313	09548	09:54:08	0:19:25	37.8	53.4	233800	YES	N	1056	3783	124776	144				Shealy	GOOD																																																	
	139	180313	132447	13:20:07	0:14:04	38.5	53.4	233800	YES	N	1071	3524	101097	116				Shealy	GOOD																																																	
	138	180313	167576	16:57:36	0:15:09	37.9	53.4	233800	YES	N	1051	3783	125290	146				Shealy	GOOD																																																	
	137	180313	211554	21:14:54	0:16:00	39.6	53.4	233800	YES	N	1037	3698	117195	131				Shealy	GOOD																																																	
	136	180313	242768	24:27:30	0:14:47	38	53.4	233800	YES	N	1050	3773	118256	137				Shealy	GOOD																																																	
	135	180313	244562	24:50:12	0:16:04	38.2	53.4	233800	YES	N	1033	3563	111755	118				Shealy	GOOD																																																	
	134	180313	260623	26:04:43	0:15:14	38.2	53.4	233800	YES	N	1059	3788	121644	142				Shealy	GOOD																																																	
	133	180313	262130	26:20:50	0:14:51	37.9	53.4	233800	YES	N	1051	3489	100554	118				Shealy	GOOD																																																	
	14,001	180313	264549	26:46:09	0:16:35	38	53.4	234000	YES	N	1036	3593	112363	130				Shealy	GOOD																																																	

### Mission 20



Mission

Field Crew										LIDAR Daily Log								GPS Information		Meteorological Conditions			
Project #		TBA		Lever Arm		GPS (m)		X		Y		Z		AGC	Elevation	Temp	Pressure						
Project Description		Amite Watershed		GPS (m)		X		Y		Z		AGC	Elevation	Temp	Pressure								
Location		Baton Rouge, LA		GPS (m)		X		Y		Z		AGC	Elevation	Temp	Pressure								
MISSION 20		Sector		SENSOR NAVIGATION FILE NAME		20180313_205756																	
Flight Date (UTC)		Pilot		Operator		Aircraft		Sensor		Start Time		Stop Time		GPS Base Station Information									
03/26/09		Giffels		Shady		AL870		NTR9AC		20:53:40		22:05:10		File Name									
Reflight		Line		Dir		Start		Stop		Total Time		FOV		Scan Rate									
	101	180313	21952	2195.41	0:00:00	37.9	53.4	233800	YES	N	1067	3560	107.257	138	23.46	840							
	102	180313	21959	2195.50	0:00:00	38.1	53.4	233800	YES	N	1061	3709	107.762	137	23.46	840							
	103	180313	21962	2195.61	0:00:00	37.9	53.4	233800	YES	N	1049	3442	107.628	138	23.46	840							
	104	180313	21970	2195.70	0:00:00	38.1	53.4	233800	YES	N	1061	3707	107.633	138	23.46	840							
	107	180313	21976	2195.79	0:00:00	37.9	53.4	233800	YES	N	1061	3448	107.338	138	23.46	840							
	108	180313	21987	2195.88	0:00:00	38.1	53.4	233800	YES	N	1061	3682	106.957	138	23.46	840							
	109	180313	21994	2195.97	0:00:00	38.1	53.4	233800	YES	N	1060	3478	106.705	137	23.46	840							
	110	180313	21998	2196.06	0:00:00	37.9	53.4	233800	YES	N	1072	3583	107.432	137	23.46	840							

Mission 21

Field Crew										LIDAR Daily Log								GPS Information		Meteorological Conditions			
Project #		TBA		Lever Arm		GPS (m)		X		Y		Z		AGC	Elevation	Temp	Pressure						
Project Description		Amite Watershed		GPS (m)		X		Y		Z		AGC	Elevation	Temp	Pressure								
Location		Baton Rouge, LA		GPS (m)		X		Y		Z		AGC	Elevation	Temp	Pressure								
MISSION 21		Sector		SENSOR NAVIGATION FILE NAME		20180314_151443																	
Flight Date (UTC)		Pilot		Operator		Aircraft		Sensor		Start Time		Stop Time		GPS Base Station Information									
3/4/2009		Giffels		Shady		AL870		NTR9AC		16:15:25		16:15:45		File Name									
Reflight		Line		Dir		Start		Stop		Total Time		FOV		Scan Rate									
	111	180314	18431	1842.30	0:00:00	37.9	53.4	233800	YES	N	1067	3560	108.047	138	23.46	840							
	112	180314	18439	1842.39	0:00:00	38.1	53.4	233800	YES	N	1060	3740	107.893	138	23.46	840							
	113	180314	18442	1842.41	0:00:00	37.9	53.4	233800	YES	N	1049	3442	108.628	138	23.46	840							
	114	180314	18450	1842.50	0:00:00	38.1	53.4	233800	YES	N	1061	3707	107.633	138	23.46	840							
	117	180314	18456	1842.59	0:00:00	37.9	53.4	233800	YES	N	1061	3448	107.338	138	23.46	840							
	118	180314	18467	1842.68	0:00:00	38.1	53.4	233800	YES	N	1061	3682	106.957	138	23.46	840							
	119	180314	18474	1842.77	0:00:00	38.1	53.4	233800	YES	N	1060	3478	106.705	137	23.46	840							
	120	180314	18481	1842.86	0:00:00	37.9	53.4	233800	YES	N	1072	3583	107.432	137	23.46	840							

Mission 22

Field Crew										LIDAR Daily Log								GPS Information		Meteorological Conditions			
Project #		TBA		Lever Arm		GPS (m)		X		Y		Z		AGC	Elevation	Temp	Pressure						
Project Description		Amite Watershed		GPS (m)		X		Y		Z		AGC	Elevation	Temp	Pressure								
Location		Baton Rouge, LA		GPS (m)		X		Y		Z		AGC	Elevation	Temp	Pressure								
MISSION 22		Sector		SENSOR NAVIGATION FILE NAME		20180314_233240																	
Flight Date (UTC)		Pilot		Operator		Aircraft		Sensor		Start Time		Stop Time		GPS Base Station Information									
3/4/2009		Giffels		Shady		AL870		NTR9AC		23:34:23		23:34:03		File Name									
Reflight		Line		Dir		Start		Stop		Total Time		FOV		Scan Rate									
	124	180314	23929	2329.50	0:14:32	37.9	53.4	233800	YES	N	1054	3458	112.054	139	23.46	840							
	125	180315	00197	0:18:27	0:32:36	37.9	53.4	233800	YES	N	1131	3514	116.907	138	23.46	840							
	127	180315	00203	0:38:57	0:50:24	37.9	53.4	233800	YES	N	1050	3445	117.525	138	23.46	840							
	128	180315	00213	0:51:15	1:07:40	38.1	53.4	233800	YES	N	1124	3694	120.107	138	23.46	840							
	130	180315	01106	1:10:26	1:11:34	38.1	53.4	233800	YES	N	1051	3586	124.576	143	23.46	840							

Mission 23

Field Crew										LIDAR Daily Log								GPS Information		Meteorological Conditions			
Project #		TBA		Lever Arm		GPS (m)		X		Y		Z		AGC	Elevation	Temp	Pressure						
Project Description		Amite Watershed		GPS (m)		X		Y		Z		AGC	Elevation	Temp	Pressure								
Location		Baton Rouge, LA		GPS (m)		X		Y		Z		AGC	Elevation	Temp	Pressure								
MISSION 23		Sector		SENSOR NAVIGATION FILE NAME		20180315_113231																	
Flight Date (UTC)		Pilot		Operator		Aircraft		Sensor		Start Time		Stop Time		GPS Base Station Information									
3/5/2009		Giffels		Shady		AL870		NTR9AC		11:34:15		11:36:08		File Name									
Reflight		Line		Dir		Start		Stop		Total Time		FOV		Scan Rate									
	130	180315	11944	1157.62	0:30:02	38.1	53.4	233800	YES	N	1071	3547	119.862	138	23.95	840							
	131	180315	11946	1158.54	0:32:07	37.9	53.4	233800	YES	N	1044	3763	119.546	138	23.95	840							
	132	180315	11950	1159.23	0:46:00	38.1	53.4	233800	YES	N	1051	3448	119.927	138	23.95	840							
	133	180315	11948	1159.43	0:49:00	37.9	53.4	233800	YES	N	1073	3737	118.748	138	23.95	840							
	134	180315	11952	1160.44	0:53:04	37.9	53.4	233800	YES	N	1049	3442	118.277	138	23.95	840							
	135	180315	11952	1162.48	0:57:07	38.1	53.4	233800	YES	N	1075	3728	117.697	138	23.95	840							
	136	180315	11953	1163.39	0:58:06	38.1	53.4	233800	YES	N	1071	3481	118.407	138	23.95	840							
	137	180315	11952	1165.30	0:58:18	38.1	53.4	233700	YES	N	1076	3727	116.263	138	23.95	840							
	138	180315	11956	1168.24	0:59:25	38.1	53.4	233800	YES	N	1064	3466	117.972	138	23.95	840							
	140	180315	11949	1168.20	0:59:20	38.1	53.4	233800	YES	N	1071	3584	119.327	139	23.95	840							

Mission 24

Mission

Field Crew		LIDAR Daily Log										GPS Information		Meteorological Conditions							
Project #		TDA										AGC		Elevation				Temp	Pressure		
Project Description		Amite Watershed										Level Area		Airport		3500AGL					
Location		Baton Rouge, LA										GPS (m)		AGC		@ Altitude					
MISSION 24		SENIOR NAVIGATION FILE NAME										Start Time		AGC		GPS Base Station Information					
Flight Date (UTC)		Pilot	Operator	Seasor	Aircraft	SENSOR NAVIGATION FILE NAME					Step Time		AGC		GPS Base Station Information						
3/24/2018		Griffis	Shady	AL70	NTRAC	20180322_161438					16:09:20		AGC		GPS Base Station Information						
Reflight	Line	Dir	Start	Stop	Total Time	FOV	Scan Rate	Pulse Rate Hz	Roll Comp	Mag Pace (Y,M)	Altitude ellipsoid (m)	Altitude ellipsoid (ft)	Speed	Vertical MSL Flow	Void "Y"	PDP	Operator	Conditions/Comments			
93	180321	12582	13:26:30	13:27:30	0:01:00	37.9	53.4	233900	YES	N	1130	3734	89.312	114 mph			Shady	0000			
94	180321	12626	13:28:43	13:29:30	0:00:46	38.1	53.4	233900	YES	N	1147	3783	103.429	142 mph			Shady	0000			
95	180321	13039	13:31:23	13:36:56	0:05:32	38.5	53.4	233700	YES	N	1144	3783	93.495	109 mph			Shady	0000			
96	180321	13405	13:43:24	13:43:24	0:00:00	37.9	53.4	233700	YES	N	1143	3780	122.259	141 mph			Shady	0000			
97	180321	13476	13:43:42	13:45:26	0:01:43	37.9	53.4	233900	YES	N	1131	3814	97.959	110 mph			Shady	0000			
98	180321	13503	13:55:21	13:58:48	0:03:27	38.1	53.4	233700	YES	N	1151	3783	115.843	140 mph			Shady	0000			
99	180321	14054	14:03:12	14:08:10	0:04:58	37.9	53.4	233900	YES	N	1144	3800	97.047	110 mph			Shady	0000			
100	180321	14128	14:12:56	14:18:21	0:05:25	38.1	53.4	233900	YES	N	1159	3825	121.844	139 mph			Shady	0000			
101	180321	14248	14:21:00	14:28:53	0:07:52	38.1	53.4	233900	YES	N	1157	3855	96.217	110 mph			Shady	0000			
102	180321	14354	14:32:12	14:37:52	0:05:40	37.9	53.4	233900	YES	N	1150	3773	119.769	139 mph			Shady	0000			
103	180321	14438	14:41:44	14:49:11	0:07:27	38.2	53.4	233900	YES	N	1194	3822	90.377	109 mph			Shady	0000			
104	180321	14559	14:55:27	14:59:42	0:04:15	38.1	53.4	233700	YES	N	1157	3796	103.144	143 mph			Shady	0000			
105	180321	14626	15:02:44	15:10:30	0:07:46	37.9	53.4	233900	YES	N	1194	3822	89.137	103 mph			Shady	0000			
106	180321	14651	15:15:40	15:23:24	0:07:43	38.5	53.4	233700	YES	N	1161	3780	122.881	144 mph			Shady	0000			
107	180321	14675	15:23:54	15:30:31	0:06:37	37.9	53.4	233900	YES	N	1193	3853	94.531	109 mph			Shady	0000			
108	180321	14749	15:40:07	15:45:51	0:05:43	38.1	53.4	233900	YES	N	1197	3859	103.052	147 mph			Shady	0000			

Mission 25

Field Crew		LIDAR Daily Log										GPS Information		Meteorological Conditions							
Project #		TDA										AGC		Elevation				Temp	Pressure		
Project Description		Amite Watershed										Level Area		Airport		3500AGL					
Location		Baton Rouge, LA										GPS (m)		AGC		@ Altitude					
MISSION 25		SENIOR NAVIGATION FILE NAME										Start Time		AGC		GPS Base Station Information					
Flight Date (UTC)		Pilot	Operator	Seasor	Aircraft	SENSOR NAVIGATION FILE NAME					Step Time		AGC		GPS Base Station Information						
3/22/2018		Griffis	Shady	AL70	NTRAC	20180322_124837					12:51:10		AGC		GPS Base Station Information						
Reflight	Line	Dir	Start	Stop	Total Time	FOV	Scan Rate	Pulse Rate Hz	Roll Comp	Mag Pace (Y,M)	Altitude ellipsoid (m)	Altitude ellipsoid (ft)	Speed	Vertical MSL Flow	Void "Y"	PDP	Operator	Conditions/Comments			
107	180322	13432	13:36:31	13:46:02	0:09:31	37.9	53.4	234000	YES	N	1136	3727	122.726	141 mph			Shady	0000			
108	180322	13483	13:50:03	14:04:22	0:14:19	37.9	53.4	234200	YES	N	1161	3947	90.930	110 mph			Shady	0000			
109	180322	14059	14:05:24	14:21:13	0:15:49	38.1	53.4	234200	YES	N	1157	3837	101.101	110 mph			Shady	0000			
110	180322	14237	14:24:56	14:40:24	0:15:28	37.9	53.4	233900	YES	N	1166	3487	80.709	103 mph			Shady	0000			
111	180322	14421	14:44:39	14:56:59	0:12:19	38.1	53.4	233700	YES	N	1161	3780	122.881	144 mph			Shady	0000			
112	180322	14577	14:55:24	15:05:09	0:09:45	37.9	53.4	233900	YES	N	1201	4039	110.561	130 mph			Shady	0000			

Mission 26

Field Crew		LIDAR Daily Log										GPS Information		Meteorological Conditions							
Project #		TDA										AGC		Elevation				Temp	Pressure		
Project Description		Amite Watershed										Level Area		Airport		3500AGL					
Location		Baton Rouge, LA										GPS (m)		AGC		@ Altitude					
MISSION 26		SENIOR NAVIGATION FILE NAME										Start Time		AGC		GPS Base Station Information					
Flight Date (UTC)		Pilot	Operator	Seasor	Aircraft	SENSOR NAVIGATION FILE NAME					Step Time		AGC		GPS Base Station Information						
3/22/2018		Griffis	Shady	AL70	NTRAC	20180322_161438					16:06:43		AGC		GPS Base Station Information						
Reflight	Line	Dir	Start	Stop	Total Time	FOV	Scan Rate	Pulse Rate Hz	Roll Comp	Mag Pace (Y,M)	Altitude ellipsoid (m)	Altitude ellipsoid (ft)	Speed	Vertical MSL Flow	Void "Y"	PDP	Operator	Conditions/Comments			
228	180322	21046	18:44:51	18:53:33	0:08:41	37.9	53.4	233900	YES	N	1142	3747	101.842	142 mph			Shady	0000			
229	180322	21070	18:57:19	19:01:00	0:03:41	38.1	53.4	233900	YES	N	1134	3730	105.286	151 mph			Shady	0000			
230	180322	21042	19:04:40	19:26:28	0:21:48	38.1	53.4	233900	YES	N	1139	3737	110.711	133 mph			Shady	0000			
231	180322	21051	19:27:01	19:42:31	0:15:30	49.2	53.4	233900	YES	N	1181	3811	100.271	105 mph			Shady	0000			
232	180322	21043	19:43:09	19:43:09	0:00:00	37.9	53.4	234100	YES	N	1124	3688	118.931	137 mph			Shady	0000			

Mission 27

Field Crew		LIDAR Daily Log										GPS Information		Meteorological Conditions							
Project #		TDA										AGC		Elevation				Temp	Pressure		
Project Description		Amite Watershed										Level Area		Airport		3500AGL					
Location		Baton Rouge, LA										GPS (m)		AGC		@ Altitude					
MISSION 27		SENIOR NAVIGATION FILE NAME										Start Time		AGC		GPS Base Station Information					
Flight Date (UTC)		Pilot	Operator	Seasor	Aircraft	SENSOR NAVIGATION FILE NAME					Step Time		AGC		GPS Base Station Information						
3/22/2018		Griffis	Shady	AL70	NTRAC	20180322_204848					20:50:00		AGC		GPS Base Station Information						
Reflight	Line	Dir	Start	Stop	Total Time	FOV	Scan Rate	Pulse Rate Hz	Roll Comp	Mag Pace (Y,M)	Altitude ellipsoid (m)	Altitude ellipsoid (ft)	Speed	Vertical MSL Flow	Void "Y"	PDP	Operator	Conditions/Comments			
233	180322	21046	21:05:41	21:25:41	0:20:00	38.4	53.4	234300	YES	N	1127	3389	115.281	139 mph			Shady	0000			
234	180322	21028	21:29:44	21:44:22	0:14:38	38.1	53.4	233900	YES	N	1131	3717	113.949	133 mph			Shady	0000			
235	180322	21049	21:45:00	21:59:50	0:14:50	38.6	53.4	233900	YES	N	1121	3691	108.744	135 mph			Shady	0000			
236	180322	23009	22:00:23	22:12:20	0:11:57	38.3	53.4	233900	YES	N	1143	3770	112.885	139 mph			Shady	0000			
237	180322	23051	22:18:40	22:37:14	0:18:34	39.7	53.4	233900	YES	N	1151	3852	118.449	134 mph			Shady	0000			
238	180322	23048	22:50:06	23:04:30	0:14:24	38.9	53.4	233900	YES	N	1148	3788	115.541	139 mph			Shady	0000			
239	180322	23002	23:06:21	23:26:58	0:20:37	38.1	53.4	233900	YES	N	1198	3892	122.722	141 mph			Shady	0000			
240	180322	23007	23:09:44	23:19:00	0:09:15	38.2	53.4	233900	YES	N	1150	3773	116.461	133 mph			Shady	0000			
241	180322	23049	23:18:27	23:24:72	0:05:45	38.1	53.4	233900	YES	N	1157	3855	118.073	138 mph			Shady	0000			
242	180322	23058	23:26:34	23:45:03	0:18:29	37.9	53.4	234000	YES	N	1141	3743	115.201	139 mph			Shady	0000			

Mission 28

### Mission

LIDAR Daily Log												GPS Information		Meteorological Conditions					
Field Crew		Project #		Project Description		Level Arm		GPS (m)		Base 1	AGC	Base 2	Elevation	Temp	Pressure				
RCD B DRIVE 012		TBA		Amite Watershed		1 2		-0.25 0.840 1.509	Base 1	Auto	Base 2	3300AGL							
MISSION 29												GPS Base Station Information							
Flight Date (UTC)		Pilot	Operator	Season	Aircraft	SENSOR NAVIGATION FILE NAME		Start Time		Stop Time		Base 1	File Name	RINX File	Ant Hgt	Ant Typ			
03/30/08		Griffin	Shady	AL170	Delc	20180331_132447		13:26:02		16:40:33		Base 1	19820302.T02		2.05m	R-10			
Reflight	Line	Dir	Start	Stop	Total Time	FOV	Scan Rate	Pulse Rate Hz	Roll Comp	Mean Pulse (Y,M)	Altitude ellipsoid (m)	Altitude ellipsoid (ft)	Speed	Vertical Misc. Flows	Void **	PDOP	Operator	Conditions/Comments	
189	180331	144643	13:47:02	13:47:02	0:00:47	52.2	53.4	234000	YES	N	1194	3877	912.365 mph	0.00				Shady	0000
189	180331	145017	13:47:37	13:47:37	0:00:00	42.5	53.4	234000	YES	N	1211	4046	90.680 184 mph	1.51				Shady	0000
189	180331	145529	13:48:06	13:48:06	0:00:51	40.1	53.4	233900	YES	N	1242	4076	52.401 106 mph	1.39				Shady	0000
189	180331	145844	14:00:03	14:00:03	0:00:21	41.4	53.4	233800	YES	N	1206	3957	37.796 100 mph	1.46				Shady	0000
189	180331	146124	14:01:43	14:01:43	0:00:06	41.1	53.4	233900	YES	N	1184	3763	59.423 102 mph	1.63				Shady	0000
189	180331	146327	14:03:27	14:03:27	0:00:27	41.5	53.4	233800	YES	N	1210	3859	43.603 96 mph	3.76				Shady	0000
189	180331	146540	14:05:00	14:05:00	0:00:30	40.3	53.4	234000	YES	N	1172	3846	36.502 101 mph	0.84				Shady	0000
189	180331	146752	14:06:30	14:06:30	0:00:11	45.3	53.4	234000	YES	N	1195	3769	32.202 102 mph	1.03				Shady	0000
189	180331	146965	14:08:00	14:08:00	0:00:29	40.3	53.4	234000	YES	N	1195	3802	36.824 101 mph	6.46				Shady	0000
189	180331	147178	14:09:30	14:09:30	0:00:26	42.4	53.4	233900	YES	N	1162	3878	30.021 102 mph	1.53				Shady	0000
189	180331	147391	14:11:00	14:11:00	0:00:49	47.2	53.4	233800	YES	N	1193	3834	40.192 107 mph	5.09				Shady	0000
189	180331	147604	14:12:30	14:12:30	0:00:30	40.5	53.4	233900	YES	N	1161	3876	37.288 101 mph	1.47				Shady	0000
189	180331	147817	14:14:00	14:14:00	0:00:21	43.6	53.4	234000	YES	N	1144	3743	38.362 103 mph	17.40				Shady	0000
189	180331	148030	14:15:30	14:15:30	0:00:59	41.5	53.4	234000	YES	N	1175	3855	31.904 105 mph	16.72				Shady	0000
189	180331	148243	14:17:00	14:17:00	0:00:29	44.8	53.4	233900	YES	N	1108	3861	38.701 103 mph	17.74				Shady	0000
189	180331	148456	14:18:30	14:18:30	0:00:12	42.9	53.4	234000	YES	N	1183	3881	31.456 106 mph	18.29				Shady	0000

### Mission 29

LIDAR Daily Log												GPS Information		Meteorological Conditions					
Field Crew		Project #		Project Description		Level Arm		GPS (m)		Base 1	AGC	Base 2	Elevation	Temp	Pressure				
RCD B DRIVE 012		TBA		Amite Watershed		1 2		-0.25 0.840 1.509	Base 1	Auto	Base 2	3300AGL							
MISSION 29												GPS Base Station Information							
Flight Date (UTC)		Pilot	Operator	Season	Aircraft	SENSOR NAVIGATION FILE NAME		Start Time		Stop Time		Base 1	File Name	RINX File	Ant Hgt	Ant Typ			
03/30/08		Griffin	Shady	AL170	Delc	20180331_101521		10:16:45		20:05:31		Base 1	19820301.T02		2.05m	R-10			
Reflight	Line	Dir	Start	Stop	Total Time	FOV	Scan Rate	Pulse Rate Hz	Roll Comp	Mean Pulse (Y,M)	Altitude ellipsoid (m)	Altitude ellipsoid (ft)	Speed	Vertical Misc. Flows	Void **	PDOP	Operator	Conditions/Comments	
209	180331	148405	10:16:25	10:16:25	0:01:08	44	53.4	234000	YES	N	1107	3933	38.171 101 mph	17.76				Shady	0000
209	180331	149049	10:16:59	10:16:59	0:00:42	40.3	53.4	233900	YES	N	1101	3976	38.097 101 mph	19.09				Shady	0000
209	180331	149693	10:17:33	10:17:33	0:00:39	44.8	53.4	233900	YES	N	1107	3832	34.936 103 mph	25.29				Shady	0000
209	180331	149337	10:18:07	10:18:07	0:00:11	46	53.4	233900	YES	N	1122	3849	39.813 102 mph	27.95				Shady	0000

### Mission 30

LIDAR Daily Log												GPS Information		Meteorological Conditions					
Field Crew		Project #		Project Description		Level Arm		GPS (m)		Base 1	AGC	Base 2	Elevation	Temp	Pressure				
RCD B DRIVE 012		TBA		Amite Watershed		1 2		-0.110 0.210 -1.220	Base 1	Auto	Base 2	3300AGL							
MISSION 30												GPS Base Station Information							
Flight Date (UTC)		Pilot	Operator	Season	Aircraft	SENSOR NAVIGATION FILE NAME		Start Time		Stop Time		Base 1	File Name	RINX File	Ant Hgt	Ant Typ			
03/30/08		Griffin	Shady	AL170	N798AC	20180331_143545		14:37:25		16:00:46		Base 1	064593030A0.H2A		2.00m	OR15			
Reflight	Line	Dir	Start	Stop	Total Time	FOV	Scan Rate	Pulse Rate Hz	Roll Comp	Mean Pulse (Y,M)	Altitude ellipsoid (m)	Altitude ellipsoid (ft)	Speed	Vertical Misc. Flows	Void **	PDOP	Operator	Conditions/Comments	
330	180331	163007	16:31:25	16:31:25	0:00:32	37.3	53.4	234000	YES	N	1161	3809	114.667 102 mph	1.91				Shady	0000
300	180331	162825	16:28:51	16:28:51	0:00:05	38.2	53.4	233800	YES	N	1142	3747	121.495 104 mph	2.02				Shady	0000
300	180331	164249	16:45:06	16:45:06	0:00:30	39	53.4	233900	YES	N	1171	3798	116.26 104 mph	3.96				Shady	0000
307	180331	164832	16:48:50	16:48:50	0:00:25	38.1	53.4	233900	YES	N	1162	3789	115.379 103 mph	3.87				Shady	0000
306	180331	165432	16:54:30	16:54:30	0:00:39	38.1	53.4	233900	YES	N	1144	3755	116.434 104 mph	3.88				Shady	0000
306	180331	166036	16:00:54	16:00:54	0:00:32	37.3	53.4	233900	YES	N	1171	3842	121.186 104 mph	4.04				Shady	0000
304	180331	166628	16:06:54	16:06:54	0:00:34	39	53.4	233800	YES	N	1162	3780	114.504 102 mph	3.62				Shady	0000
301	180331	166570	16:05:20	16:05:20	0:00:29	38.1	53.4	233900	YES	N	1161	3783	122.316 104 mph	4.06				Shady	0000
302	180331	166920	16:10:47	16:10:47	0:00:23	38.2	53.4	233800	YES	N	1179	3856	119.881 107 mph	3.96				Shady	0000
301	180331	167421	16:16:41	16:16:41	0:00:27	37.3	53.4	233900	YES	N	1160	3832	123.134 109 mph	4.04				Shady	0000
304	180331	167008	16:20:34	16:20:34	0:00:44	38.1	53.4	233900	YES	N	1140	3740	116.273 104 mph	3.88				Shady	0000
299	180331	167498	16:26:34	16:26:34	0:00:41	38.2	53.4	233900	YES	N	1161	3788	126.395 106 mph	4.22				Shady	0000
298	180331	167849	16:28:34	16:28:34	0:00:40	39	53.4	233900	YES	N	1161	3809	121.662 104 mph	4.06				Shady	0000
297	180331	167762	16:49:18	16:49:18	0:00:29	38.1	53.4	233900	YES	N	1173	3793	121.236 104 mph	4.04				Shady	0000
296	180331	168336	16:53:33	16:53:33	0:00:36	39	53.4	233900	YES	N	1161	3776	120.486 103 mph	4.02				Shady	0000
296	180331	168934	16:59:23	16:59:23	0:00:32	37.3	53.4	233900	YES	N	1143	3780	120.673 109 mph	4.02				Shady	0000
294	180331	170441	17:04:59	17:04:59	0:00:27	37.3	53.4	233900	YES	N	1161	3806	116.441 104 mph	3.96				Shady	0000
293	180331	170465	17:05:03	17:05:03	0:00:24	38.2	53.4	233900	YES	N	1164	3793	120.364 109 mph	4.03				Shady	0000
292	180331	170638	17:06:34	17:06:34	0:00:23	38.1	53.4	233800	YES	N	1188	3868	122.972 102 mph	4.10				Shady	0000
291	180331	172007	17:20:26	17:20:26	0:00:42	39	53.4	233900	YES	N	1162	3780	117.261 106 mph	3.92				Shady	0000
290	180331	172741	17:27:59	17:27:59	0:00:44	38.1	53.4	233800	YES	N	1156	3727	119.881 107 mph	3.96				Shady	0000
289	180331	173242	17:36:00	17:36:00	0:00:41	37.3	53.4	233900	YES	N	1161	3807	119.342 106 mph	3.96				Shady	0000
288	180331	173933	17:39:50	17:39:50	0:00:43	39	53.4	234000	YES	N	1164	3793	117.794 106 mph	3.93				Shady	0000
UL001	180331	174511	17:45:29	17:45:29	0:00:49	37.3	53.4	233800	YES	N	1123	3707	114.636 102 mph	7.65				Shady	0000

### Mission 31

Mission

PAR LLC PRECISION AERIAL RECONNAISSANCE P.O. Box 72357 Bossier City, LA 72357										LIDAR Daily Log										GPS Information				Meteorological Conditions				
Field Crew										Project # TBA										Lever Arm				AGC				
RCB B DRIVE 01Z										Project Description Amite Watershed										GPS (m)				Airport				
Location										Baton Rouge, LA										Base 1				Elevation				
MISSION 31										Aircraft AL570										Base 2				Temp				
Sensor AL570										SENSOR NAVIGATION FILE NAME										Base 3				Pressure				
Flight Date (UTC)										Sensor										Base 1				File Name				
3/31/2018										N799AC										Base 2				06899109040.HCN				
Pilot Griffin										Operator Shealy										Base 3				Ant Hgt				
Reflight										Total Time										Base 1				Ant Typ				
Line										FOV										Base 2				OPUS				
Dir										Scan Rate										Base 3				Conditions/Comments				
Start										Pulse Rate										Base 1								
Stop										Hz										Base 2								
Total Time										Roll Comp										Base 3								
FOV										Multi Pulse										Base 1								
Scan Rate										(Y/N)										Base 2								
Pulse Rate										Altitude										Base 3								
Hz										ellipsoid (m)										Base 1								
Roll Comp										(ft)										Base 2								
Multi Pulse										Speed										Base 3								
(Y/N)										Nautical Miles										Base 1								
Altitude										Void **										Base 2								
ellipsoid (m)										POOP										Base 3								
(ft)										Operator										Base 1								
Speed										Conditions/Comments										Base 2								
Nautical Miles																				Base 3								
Void **																				Base 1								
POOP																				Base 2								
Operator																				Base 3								
Conditions/Comments																				Base 1								
287	180331	191244	19 13 09	19 15 56	0:02 51	37.9	53.4	233800	YES	N	1154	3786	113 206 130 mph	3.77	Shealy	GOOD	Base 1				Base 2				Base 3			
286	180331	191856	19 19 16	19 22 22	0:03 07	38.2	53.4	233800	YES	N	1130	3707	111 126 128 mph	4.56	Shealy	GOOD	Base 1				Base 2				Base 3			
285	180331	192517	19 25 37	19 28 58	0:03 21	38	53.4	233800	YES	N	1156	3793	116 265 134 mph	5.81	Shealy	GOOD	Base 1				Base 2				Base 3			
284	180331	193125	19 31 45	19 35 24	0:03 39	38.2	53.4	233800	YES	N	1157	3796	112 492 129 mph	5.62	Shealy	GOOD	Base 1				Base 2				Base 3			
283	180331	193842	19 39 00	19 44 44	0:05 42	37.9	53.4	234100	YES	N	1124	3688	119 645 139 mph	5.98	Shealy	GOOD	Base 1				Base 2				Base 3			
282	180331	194552	19 46 12	19 50 42	0:04 30	37.9	53.4	234000	YES	N	1121	3678	110 536 127 mph	7.37	Shealy	GOOD	Base 1				Base 2				Base 3			
281	180331	195348	19 54 08	19 58 22	0:04 14	38	53.4	233800	YES	N	1127	3730	116 999 135 mph	7.80	Shealy	GOOD	Base 1				Base 2				Base 3			
280	180331	200511	20 03 11	20 07 33	0:04 22	38	53.4	234000	YES	N	1147	3763	113 805 131 mph	7.50	Shealy	GOOD	Base 1				Base 2				Base 3			
279	180331	201027	20 10 47	20 16 11	0:05 24	37.9	53.4	233900	YES	N	1116	3661	121 667 140 mph	10 14	Shealy	GOOD	Base 1				Base 2				Base 3			
278	180331	202236	20 22 56	20 30 41	0:07 45	37.9	53.4	233900	YES	N	1140	3740	111 262 128 mph	12 98	Shealy	GOOD	Base 1				Base 2				Base 3			
277	180331	203338	20 33 58	20 43 19	0:09 21	38	53.4	233900	YES	N	1113	3652	116 274 134 mph	17 44	Shealy	GOOD	Base 1				Base 2				Base 3			
276	180331	204448	20 47 08	20 57 26	0:10 18	37.9	53.4	233900	YES	N	1144	3753	111 751 129 mph	18 63	Shealy	GOOD	Base 1				Base 2				Base 3			
UL001	180401	210026	21 00 46	21 03 09	0:02 23	38	53.4	234000	YES	N	1179	3888	113 559 131 mph	3 79	Shealy	GOOD	Base 1				Base 2				Base 3			

Mission 32

PAR LLC PRECISION AERIAL RECONNAISSANCE P.O. Box 72357 Bossier City, LA 72357										LIDAR Daily Log										GPS Information				Meteorological Conditions				
Field Crew										Project # TBA										Lever Arm				AGC				
RCB B DRIVE 01Z										Project Description Amite Watershed										GPS (m)				Airport				
Location										Baton Rouge, LA										Base 1				Elevation				
MISSION 32										Aircraft AL570										Base 2				Temp				
Sensor AL570										SENSOR NAVIGATION FILE NAME										Base 3				Pressure				
Flight Date (UTC)										Sensor										Base 1				File Name				
4/1/2018										N799AC										Base 2				06899109140.HCN				
Pilot Griffin										Operator Shealy										Base 3				Ant Hgt				
Reflight										Total Time										Base 1				Ant Typ				
Line										FOV										Base 2				OPUS				
Dir										Scan Rate										Base 3				Conditions/Comments				
Start										Pulse Rate										Base 1								
Stop										Hz										Base 2								
Total Time										Roll Comp										Base 3								
FOV										Multi Pulse										Base 1								
Scan Rate										(Y/N)										Base 2								
Pulse Rate										Altitude										Base 3								
Hz										ellipsoid (m)										Base 1								
Roll Comp										(ft)										Base 2								
Multi Pulse										Speed										Base 3								
(Y/N)										Nautical Miles										Base 1								
Altitude										Void **										Base 2								
ellipsoid (m)										POOP										Base 3								
(ft)										Operator										Base 1								
Speed										Conditions/Comments										Base 2								
Nautical Miles																				Base 3								
Void **																				Base 1								
POOP																				Base 2								
Operator																				Base 3								
Conditions/Comments																				Base 1								
241	180401	184244	18 43 03	18 53 03	0:10 00	38.3	53.4	234000	YES	N	1135	3724	125 195 144 mph	20 87	Shealy	GOOD	Base 1				Base 2				Base 3			
242	180401	185634	18 56 53	19 08 39	0:11 46	37.9	53.4	233900	YES	N	1159	3802	106 355 122 mph	19 50	Shealy	GOOD	Base 1				Base 2				Base 3			
243	180401	191145	19 12 06	19 21 46	0:09 41	37.9	53.4	233900	YES	N	1125	3691	121 671 140 mph	19 25	Shealy	GOOD	Base 1				Base 2				Base 3			
244	180401	192442	19 25 01	19 36 48	0:11 46	38.1	53.4	233800	YES	N	1172	3845	100 565 116 mph	18 44	Shealy	GOOD	Base 1				Base 2				Base 3			
245	180401	193936	19 39 56	19 49 55	0:10 00	38.3	53.4	233800	YES	N	1157	3796	125 084 144 mph	20 85	Shealy	GOOD	Base 1				Base 2				Base 3			
246	180401	195223	19 52 42	20 05 38	0:12 56	38	53.4	234100	YES	N	1157	3796	107 851 128 mph	19 77	Shealy	GOOD	Base 1				Base 2				Base 3			
247	180401	200908	20 09 28	20 19 38	0:10 11	38.8	53.4	234200	YES	N	1125	3691	119 625 137 mph	19 77	Shealy	GOOD	Base 1				Base 2				Base 3			
248	180401	202253	20 23 12	20 34 49	0:11 36	39.3	53.4	234100	YES	N	1155	3789	107 132 123 mph	19 64	Shealy	GOOD	Base 1				Base 2				Base 3			
249	180401	203352	20 38 11	20 48 27	0:10 16	38.5	53.4	233900	YES	N	1134	3720	124 375 143 mph	20 73	Shealy	GOOD	Base 1				Base 2				Base 3			
250	180401	205124	20 51 43	21 03 30	0:11 48	38.5	53.4	233900	YES	N	1128	3751	106 683 123 mph	19 66	Shealy	GOOD	Base 1				Base 2				Base 3			
251	180401	210700	21 07 19	21 17 33	0:10 14	37.9	53.4	233800	YES	N	1127	3697	121 770 140 mph	20 30	Shealy	GOOD	Base 1				Base 2				Base 3			
252	180401	212040	21 20 59	21 32 50	0:11 51	38	53.4	233900	YES	N	1139	3737	105 193 121 mph	19 29	Shealy	GOOD	Base 1				Base 2				Base 3			
253	180401	213605	21 36 26	21 46 31	0:10 07	38.6	53.4	234000	YES	N	1144	3753	121 044 142 mph	20 60	Shealy	GOOD	Base 1				Base 2				Base 3			
UL001	180401	214448	21 49 07	21 51 16	0:02 09	38.1	53.4	234000	YES	N	1026	3366	116 712 134 mph	3 89	Shealy	GOOD	Base 1				Base 2				Base 3			

Mission 33

PAR LLC PRECISION AERIAL RECONNAISSANCE P.O. Box 72357 Bossier City, LA 72357										LIDAR Daily Log										GPS Information				Meteorological Conditions				
Field Crew										Project # TBA										Lever Arm				AGC				
RCB B DRIVE 01Z										Project Description Amite Watershed										GPS (m)				Airport				
Location										Baton Rouge, LA										Base 1				Elevation				
MISSION 33										Aircraft AL570										Base 2				Temp				
Sensor AL570										SENSOR NAVIGATION FILE NAME										Base 3				Pressure				
Flight Date (UTC)										Sensor										Base 1				File Name				
4/1/2018										Zulu										Base 2				06899109141.HCN				
Pilot Griffin										Operator Shealy										Base 3				Ant Hgt				
Reflight										Total Time										Base 1				Ant Typ				
Line										FOV										Base 2				OPUS				
Dir										Scan Rate										Base 3				Conditions/Comments				
Start										Pulse Rate										Base 1								
Stop										Hz										Base 2								
Total Time										Roll Comp										Base 3								
FOV										Multi Pulse										Base 1								
Scan Rate										(Y/N)										Base 2								
Pulse Rate										Altitude										Base 3								
Hz										ellipsoid (m)										Base 1								
Roll Comp										(ft)										Base 2								
Multi Pulse										Speed										Base 3								
(Y/N)										Nautical Miles										Base 1								
Altitude										Void **										Base 2								
ellipsoid (m)										POOP										Base 3								
(ft)										Operator										Base 1								
Speed										Conditions/Comments										Base 2								
Nautical Miles																				Base 3								
Void **																				Base 1								
POOP																				Base 2								
Operator																				Base 3								
Conditions/Comments																				Base 1								
254	180401	213521	21 35 40	21 45 47	0:10 07	41.2	53.4	234000	YES	N	1141	3743	125 993 145 mph	21 00	Shealy	GOOD	Base 1				Base 2				Base 3			
255	180401	214820	21 48 49	0:00 26	0:00 26	42.3	53.4	234200	YES	N	1169	3832	105 549 123 mph	19 53	Shealy	GOOD	Base 1				Base 2				Base 3			
256	180402	200256	0 03 16	0 13 14	0:09 59	40.7	53.4	233																				

Mission

Mission 35

Field Crew										LIDAR Daily Log										GPS Information			Meteorological Conditions													
Project # TBA										Lever Arm										Base 1	AGC	Elevation	Temp	Pressure												
Project Description RCD B DRIVE 011										GPS (m)										Base 2	Auto	Altitude @ Altitude	Altitude @ Altitude	Temp	Pressure											
Location Amite Watershed										x	y	z	Base 3	Altitude @ Altitude	Altitude @ Altitude	Temp	Pressure																			
MISSION 35										Location Baton Rouge, LA										IMU Information			GPS Base Station Information													
Sensor ALS70										Aircraft N799AC										SENSOR NAVIGATION FILE NAME			Start Time	File Name	File Name	Ant Hgt	Ant Type									
20180404_145511										20180404_145511										14:56:42	066991095A0.HCN	066991095A0.HCN	2.00m	OPUS												
Flight Date (UTC) 4/4/2018										Pilot Griffin										Operator Shealy										Stop Time			Conditions/Comments			
Reflight										Line	Dir	Start	Stop	Total Time	FOV	Scan Rate	Pulse Rate Hz	Roll Comp	Multi Pulse (Y/N)	Altitude ellipsoid (m)	Altitude ellipsoid (ft)	Speed	Nautical Miles Flown	Void "Y"	PDOP	Operator	Conditions/Comments									
266	180404	92628	15:26:45	15:40:53	0:15:42	38.3	53.4	233900	YES	N	1104	3294	94.071502 mph	22.54	Shealy	GOOD																				
267	180404	94227	15:44:35	15:49:49	0:05:49	37.9	53.4	233900	YES	N	1065	3434	140.171161 mph	0.09	Shealy	GOOD																				
268	180404	95584	15:56:04	16:04:42	0:08:38	38	53.4	233900	YES	N	1121	3639	100.365118 mph	21.75	Shealy	GOOD																				
269	180404	96218	16:12:37	16:23:01	0:10:24	38.1	53.4	233900	YES	N	1100	3642	124.421149 mph	21.53	Shealy	GOOD																				
270	180404	96295	16:28:23	16:40:09	0:11:46	37.9	53.4	233900	YES	N	1141	3768	104.381102 mph	22.61	Shealy	GOOD																				
271	180404	96420	16:42:59	16:43:39	0:00:20	37.9	53.4	233900	YES	N	1091	3639	116.311102 mph	0.00	Shealy	GOOD																				
271	180404	96453	16:45:51	16:46:06	0:00:15	38	53.4	233900	YES	N	1055	3485	144.931187 mph	0.00	Shealy	GOOD																				

Mission 36

Field Crew										LIDAR Daily Log										GPS Information			Meteorological Conditions													
Project # TBA										Lever Arm										Base 1	AGC	Elevation	Temp	Pressure												
Project Description RCD B DRIVE 011										GPS (m)										Base 2	Auto	Altitude @ Altitude	Altitude @ Altitude	Temp	Pressure											
Location Amite Watershed										x	y	z	Base 3	Altitude @ Altitude	Altitude @ Altitude	Temp	Pressure																			
MISSION 36										Location Baton Rouge, LA										IMU Information			GPS Base Station Information													
Sensor ALS70										Aircraft N799AC										SENSOR NAVIGATION FILE NAME			Start Time	File Name	File Name	Ant Hgt	Ant Type									
20180404_181134										20180404_181134										18:13:17	066991095A0.HCN	066991095A0.HCN	2.00m	OPUS												
Flight Date (UTC) 4/4/2018										Pilot Griffin										Operator Shealy										Stop Time			Conditions/Comments			
Reflight										Line	Dir	Start	Stop	Total Time	FOV	Scan Rate	Pulse Rate Hz	Roll Comp	Multi Pulse (Y/N)	Altitude ellipsoid (m)	Altitude ellipsoid (ft)	Speed	Nautical Miles Flown	Void "Y"	PDOP	Operator	Conditions/Comments									
267	180404	183737	18:37:56	18:48:29	0:10:33	38.2	53.4	233900	YES	N	1126	3694	119.454137 mph	19.91	Shealy	GOOD																				
271	180404	185234	18:52:23	19:05:13	0:12:50	37.9	53.4	233900	YES	N	1114	3655	96.255111 mph	19.25	Shealy	GOOD																				
272	180404	190759	19:08:17	19:18:41	0:10:24	37.9	53.4	233900	YES	N	1141	3770	121.037139 mph	20.17	Shealy	GOOD																				
273	180404	192159	19:22:18	19:34:46	0:12:28	38.1	53.4	233900	YES	N	1121	3678	106.623116 mph	20.12	Shealy	GOOD																				
274	180404	193737	19:37:56	19:47:53	0:09:57	38.4	53.4	234000	YES	N	1153	3783	123.325142 mph	19.50	Shealy	GOOD																				
275	180404	195109	19:51:27	20:00:41	0:09:14	38	53.4	233900	YES	N	1169	3638	105.159122 mph	19.39	Shealy	GOOD																				
UL001	180404	200527	20:05:46	20:07:43	0:01:57	38.8	53.4	233900	YES	N	1116	3681	123.367142 mph	2.06	Shealy	GOOD																				

Mission 37


Field Crew										LIDAR Daily Log										GPS Information			Meteorological Conditions													
Project # TBA										Lever Arm										Base 1	AGC	Elevation	Temp	Pressure												
Project Description RCD B DRIVE 014										GPS (m)										Base 2	Auto	Altitude @ Altitude	Altitude @ Altitude	Temp	Pressure											
Location Amite Watershed										x	y	z	Base 3	Altitude @ Altitude	Altitude @ Altitude	Temp	Pressure																			
MISSION 37										Location Baton Rouge, LA										IMU Information			GPS Base Station Information													
Sensor ALS70										Aircraft N799AC										SENSOR NAVIGATION FILE NAME			Start Time	File Name	File Name	Ant Hgt	Ant Type									
20180405_124839										20180405_124839										12:50:22	066991095A0.HCN	066991095A0.HCN	2.00m	OPUS												
Flight Date (UTC) 4/5/2018										Pilot Griffin										Operator Shealy										Stop Time			Conditions/Comments			
Reflight										Line	Dir	Start	Stop	Total Time	FOV	Scan Rate	Pulse Rate Hz	Roll Comp	Multi Pulse (Y/N)	Altitude ellipsoid (m)	Altitude ellipsoid (ft)	Speed	Nautical Miles Flown	Void "Y"	PDOP	Operator	Conditions/Comments									
214	180405	131722	13:17:42	13:30:42	0:13:00	37.9	53.4	233900	YES	N	1167	3612	117.222135 mph	22.40	Shealy	GOOD																				
215	180405	133363	13:34:03	13:47:46	0:13:43	37.9	53.4	233900	YES	N	1158	3734	110.096127 mph	23.85	Shealy	GOOD																				
216	180405	135026	13:50:46	14:03:29	0:12:43	37.9	53.4	233900	YES	N	1118	3668	116.261134 mph	23.25	Shealy	GOOD																				
217	180405	140628	14:06:48	14:20:19	0:13:32	37.9	53.4	233900	YES	N	1129	3704	111.033128 mph	24.06	Shealy	GOOD																				
218	180405	142301	14:23:40	14:36:17	0:12:37	37.9	53.4	234100	YES	N	1168	3635	112.988135 mph	22.68	Shealy	GOOD																				
219	180405	143917	14:39:36	14:52:51	0:13:15	37.9	53.4	234000	YES	N	1136	3727	112.017129 mph	24.27	Shealy	GOOD																				
220	180405	145555	14:56:14	15:08:47	0:12:33	38.1	53.4	233900	YES	N	1099	3606	118.786137 mph	23.76	Shealy	GOOD																				
221	180405	151207	15:12:26	15:25:43	0:13:17	38	53.4	233900	YES	N	1123	3684	114.771132 mph	24.87	Shealy	GOOD																				

Mission 38


Field Crew										LIDAR Daily Log										GPS Information			Meteorological Conditions													
Project # TBA										Lever Arm										Base 1	AGC	Elevation	Temp	Pressure												
Project Description RCD B DRIVE 014										GPS (m)										Base 2	Auto	Altitude @ Altitude	Altitude @ Altitude	Temp	Pressure											
Location Amite Watershed										x	y	z	Base 3	Altitude @ Altitude	Altitude @ Altitude	Temp	Pressure																			
MISSION 38										Location Baton Rouge, LA										IMU Information			GPS Base Station Information													
Sensor ALS70										Aircraft N799AC										SENSOR NAVIGATION FILE NAME			Start Time	File Name	File Name	Ant Hgt	Ant Type									
20180405_162905										20180405_162905										16:00:00	066991095A0.HCN	066991095A0.HCN	2.00m	OPUS												
Flight Date (UTC) 4/5/2018										Pilot Griffin										Operator Shealy										Stop Time			Conditions/Comments			
Reflight										Line	Dir	Start	Stop	Total Time	FOV	Scan Rate	Pulse Rate Hz	Roll Comp	Multi Pulse (Y/N)	Altitude ellipsoid (m)	Altitude ellipsoid (ft)	Speed	Nautical Miles Flown	Void "Y"	PDOP	Operator	Conditions/Comments									
222	180405	170659	17:06:59	17:13:35	0:06:56	38.3	53.4	233900	YES	N	1077	3533	107.607135 mph	23.52	Shealy	GOOD																				
223	180405	172795	17:27:25	17:31:02	0:03:37	37.9	53.4	233900	YES	N	1020	3634	100.953133 mph	24.04	Shealy	GOOD																				
224	180405	172744	17:24:06	17:46:51	0:24:45	38	53.4	233900	YES	N	1107	3685	116.242133 mph	21.66	Shealy	GOOD																				
225	180405	174964	17:58:14	18:03:38	0:05:24	38.2	53.4	233900	YES	N	1025	3631	109.101138 mph	23.64	Shealy	GOOD																				
226	180405	180618	18:06:34	18:13:41	0:07:07	37.9	53.4	234100	YES	N	1007	3566	117.135138 mph	23.64	Shealy	GOOD																				
227	180405	182136	18:21:55	18:25:15	0:03:19	38	53.4	233900	YES	N	1102	3648	105.255131 mph	22.81	Shealy	GOOD																				
UL001	180405	182646	18:27:06	18:29:47	0:02:41	37.9	53.4	233900	YES	N	1111	3645	119.967139 mph	4.00	Shealy	GOOD																				

Mission 39

Mission

 P.O. Box 72357 Bossier City, LA 72357	LIDAR Daily Log										GPS Information		Meteorological Conditions												
	Field Crew		Project #			Lever Arm			Base 1		Base 2		Base 3		Temp		Pressure								
	Project Description		GPS (m)			Base 1		Base 2		Base 3		Altitude		Elevation		Temp									
	RCD ID		Amite Watershed			-0.70		0.20		1.220		Auto		Airport		2000AGL									
	DRIVE RED X		Location			Base Range, LA		Start Time		19:03:43		Stop Time		21:02:25		File Name		RMX File		Ant Hgt		Ant Type			
MISSION 39		Aircraft			SENSOR NAVIGATION FILE NAME			Med Pace		Altitude ellipsoid (m)		Altitude ellipsoid (ft)		Speed		Vertical Mtrc Flow		Yield "Y"		PDDP		Operator		Conditions/Comments	
Flight Date (UTC)		Pilot		Operator		Sensor		Aircraft			SENSOR NAVIGATION FILE NAME			Start Time		Stop Time		Base 1		Base 2		Base 3			
4/16/2018		Goffa		Shoop		AL570		N759AC			20180411_190517			19:03:43		21:02:25		19021012102		2.05m		R-10			
Reflight	Line	Dir	Start	Stop	Total Time	FOV	Scan Rate	Pulse Rate Hz	Roll Comp	Med Pace (T.M)	Altitude ellipsoid (m)	Altitude ellipsoid (ft)	Speed	Vertical Mtrc Flow	Yield "Y"	PDDP	Operator	Conditions/Comments							
2	180411	184135	18:41:54	0:02:00	4:20:08	38.4	53.4	233700	YES	N	955	3156	103.00	125 mph	472.41			Shoop	6000						
5	180411	184654	18:47:13	0:01:54	4:18:41	38.2	53.4	233800	YES	N	950	2470	116.42	120 mph	433.3			Shoop	6000						
15	180411	185524	18:53:43	0:01:57	4:05:34	38.3	53.4	233900	YES	N	954	3385	116.90	120 mph	431.0			Shoop	6000						
16	180411	202545	20:13:04	0:01:53	3:48:56	38.3	53.4	233700	YES	N	935	3399	116.26	120 mph	437.82			Shoop	6000						
16	180411	202611	20:13:20	0:01:53	3:53:29	38.4	53.4	233900	YES	N	978	3527	117.25	140 mph	431.19			Shoop	6000						
17	180411	204330	20:43:49	0:02:42	3:18:13	38	53.4	233800	YES	N	1043	3504	119.72	138 mph	385.18			Shoop	6000						
17	180411	205722	20:51:43	0:01:53	3:04:38	38	53.4	233800	YES	N	893	3586	115.14	130 mph	345.94			Shoop	6000						

Mission 40

 P.O. Box 72357 Bossier City, LA 72357	LIDAR Daily Log										GPS Information		Meteorological Conditions												
	Field Crew		Project #			Lever Arm			Base 1		Base 2		Base 3		Temp		Pressure								
	Project Description		GPS (m)			Base 1		Base 2		Base 3		Altitude		Elevation		Temp									
	RCD ID		Amite Watershed			-0.25		0.840		1.509		Auto		Airport		2000AGL									
	DRIVE BLUE		Location			Base Range, LA		Start Time		21:03:51		Stop Time		23:15:06		File Name		RMX File		Ant Hgt		Ant Type			
MISSION 40		Aircraft			SENSOR NAVIGATION FILE NAME			Med Pace		Altitude ellipsoid (m)		Altitude ellipsoid (ft)		Speed		Vertical Mtrc Flow		Yield "Y"		PDDP		Operator		Conditions/Comments	
Flight Date (UTC)		Pilot		Operator		Sensor		Aircraft			SENSOR NAVIGATION FILE NAME			Start Time		Stop Time		Base 1		Base 2		Base 3			
4/16/2018		Goffa		Shoop		AL570		Del			20180412_210239			21:03:51		23:15:06		19021012102		2.05m		R-10			
Reflight	Line	Dir	Start	Stop	Total Time	FOV	Scan Rate	Pulse Rate Hz	Roll Comp	Med Pace (T.M)	Altitude ellipsoid (m)	Altitude ellipsoid (ft)	Speed	Vertical Mtrc Flow	Yield "Y"	PDDP	Operator	Conditions/Comments							
18	180412	215007	21:50:27	0:00:45	42.3	53.4	234600	YES	N	959	3806	100.41	116 mph	0.00			Shoop	6000							
18	180412	214607	21:34:27	0:00:40	50.5	53.4	234900	YES	N	832	3398	113.42	140 mph	0.00			Shoop	6000							
18	180412	215258	21:52:55	0:01:18	41.4	53.4	232900	YES	N	1085	3623	117.40	100 mph	1.56			Shoop	6000							
20	180412	215309	21:53:29	0:08:19	41.3	53.4	233800	YES	N	899	3806	113.52	142 mph	11.47			Shoop	6000							
20	180412	220525	22:05:44	0:01:44	42.5	53.4	234300	YES	N	894	3956	110.42	118 mph	17.88			Shoop	6000							
20	180412	215939	21:59:28	0:08:32	48.2	53.4	234300	YES	N	971	3630	119.76	124 mph	17.97			Shoop	6000							
20	180412	223144	22:32:04	0:16:49	43.5	53.4	233900	YES	N	892	3953	118.07	134 mph	27.82			Shoop	6000							
20	180412	225557	22:55:43	0:15:20	48.7	53.4	232900	YES	N	114	3720	119.69	127 mph	23.59			Shoop	6000							