

Global View

program Pegasus
 version 4.8.4
 site Laboratory satellite systems
 abbreviation NAU
 country Ukraine
 city Kiev
 comment Konin V., Shyshkov F. InsideGNSS, Jan-Feb 2015,
 P.50 - 54
 date 16/03/2017

SBAS Messages

start: 10:34:37.129 22.02.2017 (week: 1937 sec: 297277.129)
end: 14:37:38.129 22.02.2017 (week: 1937 sec: 311858.129)
duration: 04:03:01 ..

quality

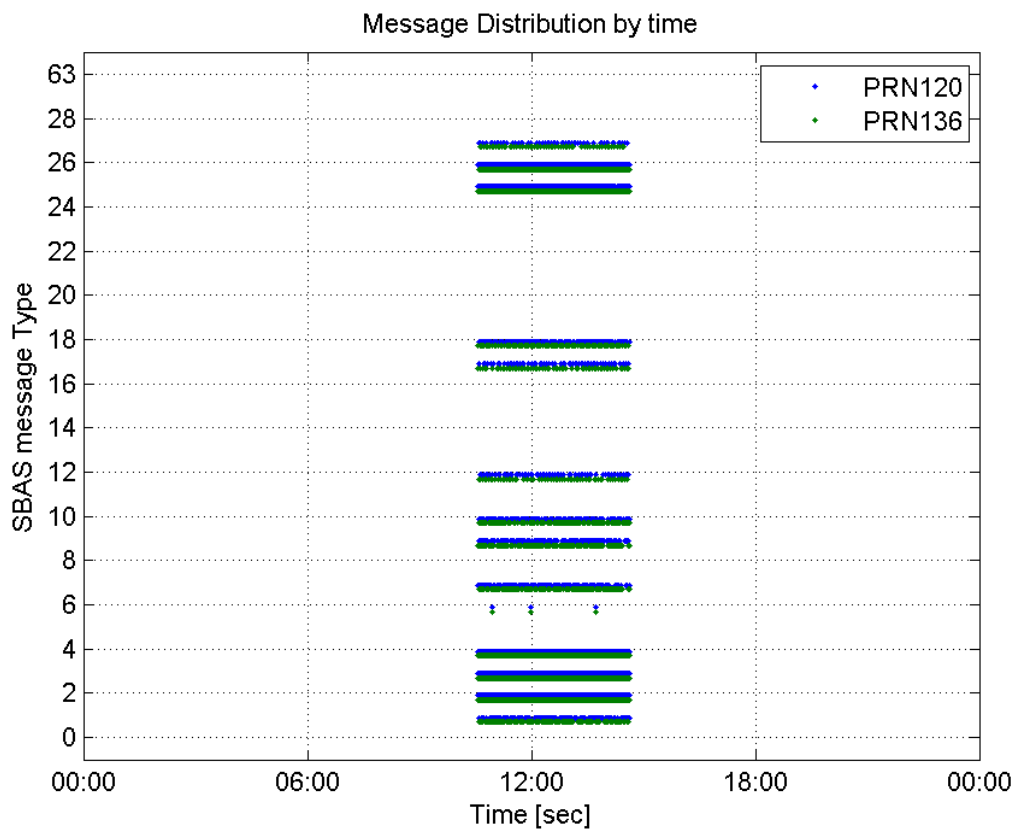
valid samples 22483
total samples 22483
number of SBAS PRNs 2

SBAS SIS Overview

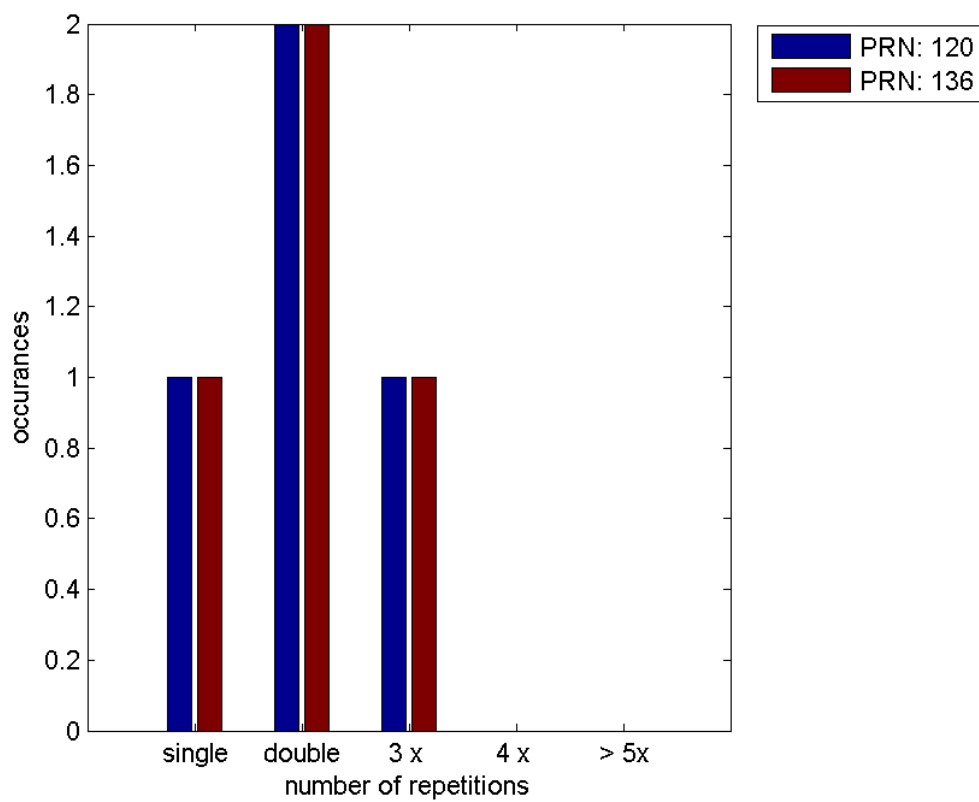
Message Type 6 repetitions :

| | single | double | 3 x | 4 x | > 5x |
|----------------|--------|--------|-----|-----|------|
| PRN 120 | 1 | 2 | 1 | 0 | 0 |
| PRN 136 | 1 | 2 | 1 | 0 | 0 |

Message Distribution by time:



Message Type 6 repetitions:



Broadcast SBAS Messages :

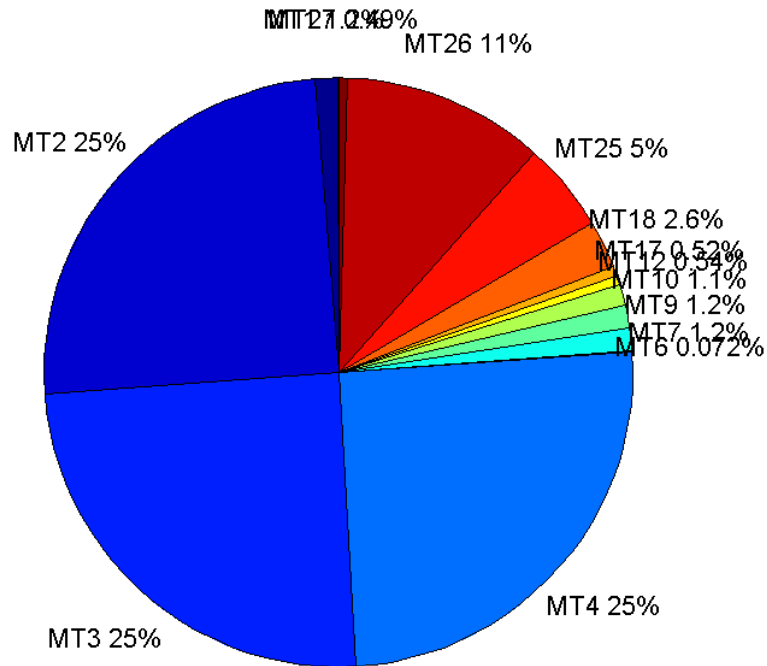
| | number of messages | % |
|--------------|--------------------|-----------|
| MT 0 | 0 | 0 |
| MT 1 | 139 | 1.24485 |
| MT 2 | 2784 | 24.9328 |
| MT 3 | 2767 | 24.7806 |
| MT 4 | 2810 | 25.1657 |
| MT 5 | 0 | 0 |
| MT 6 | 8 | 0.0716461 |
| MT 7 | 137 | 1.22694 |
| MT 9 | 137 | 1.22694 |
| MT 10 | 128 | 1.14634 |
| MT 12 | 60 | 0.537346 |
| MT 17 | 58 | 0.519434 |
| MT 18 | 289 | 2.58821 |
| MT 24 | 0 | 0 |
| MT 25 | 554 | 4.96149 |
| MT 26 | 1240 | 11.1051 |
| MT 27 | 55 | 0.492567 |
| MT 28 | 0 | 0 |
| MT 62 | 0 | 0 |
| MT 63 | 0 | 0 |
| Total | 11166 | 100 |

Update intervals :

| | Minimum [s] | Maximum [s] | Mean value | Exceed Max update | Exceed NPA timeout | Exceed PA timeout |
|-------|-------------|-------------|------------|-------------------|--------------------|-------------------|
| MT 0 | -- | -- | -- | -- | -- | -- |
| MT 1 | 76 | 400 | 104.717 | 26 | 0 | 0 |
| MT 2 | 4 | 92 | 5.23751 | 739 | 3 | 9 |
| MT 3 | 4 | 92 | 5.27079 | 759 | 2 | 8 |
| MT 4 | 4 | 92 | 5.18761 | 714 | 3 | 7 |
| MT 5 | -- | -- | -- | -- | -- | -- |
| MT 6 | 1 | 6284 | 1428.71 | 2 | 2 | 2 |
| MT 7 | 76 | 559 | 106.824 | 27 | 2 | 4 |
| MT 9 | 75 | 480 | 106.074 | 0 | 0 | 0 |
| MT 10 | 77 | 401 | 114.394 | 38 | 1 | 3 |
| MT 12 | 190 | 786 | 242.356 | 59 | 11 | 11 |
| MT 17 | 191 | 600 | 250.86 | 0 | 0 | 0 |
| MT 18 | 4 | 184 | 50.4896 | 0 | 0 | 0 |
| MT 24 | -- | -- | -- | -- | -- | -- |
| MT 25 | 2 | 128 | 26.3599 | 0 | 0 | 0 |
| MT 26 | 4 | 120 | 11.7554 | 0 | 0 | 0 |
| MT | | | | | | |

| | | | | | | |
|-------|-----|-----|---------|----|----|----|
| 27 | 189 | 590 | 264.648 | 0 | 0 | 0 |
| MT 28 | -- | -- | -- | -- | -- | -- |
| MT 62 | -- | -- | -- | -- | -- | -- |
| MT 63 | -- | -- | -- | -- | -- | -- |

Message Distribution PRN 120:



SBAS SIS Analysis

PRN 136

Broadcast SBAS Messages :

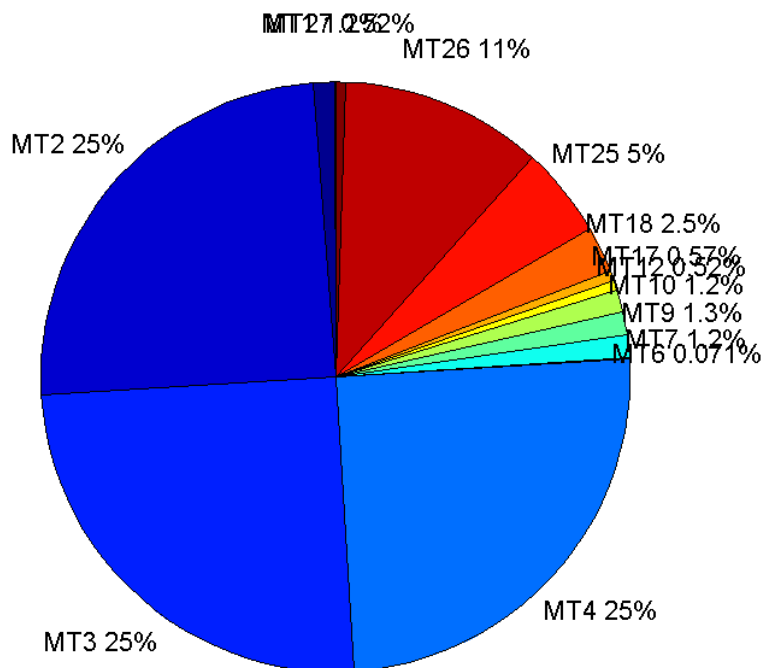
| | number of messages | % |
|-------|--------------------|-----------|
| MT 0 | 0 | 0 |
| MT 1 | 134 | 1.18406 |
| MT 2 | 2804 | 24.7769 |
| MT 3 | 2838 | 25.0773 |
| MT 4 | 2823 | 24.9448 |
| MT 5 | 0 | 0 |
| MT 6 | 8 | 0.0706901 |
| MT 7 | 138 | 1.2194 |
| MT 9 | 142 | 1.25475 |
| MT 10 | 139 | 1.22824 |
| MT 12 | 59 | 0.52134 |
| MT 17 | 64 | 0.565521 |

| | | |
|--------------|-------|---------|
| MT 18 | 286 | 2.52717 |
| MT 24 | 0 | 0 |
| MT 25 | 568 | 5.019 |
| MT 26 | 1255 | 11.0895 |
| MT 27 | 59 | 0.52134 |
| MT 28 | 0 | 0 |
| MT 62 | 0 | 0 |
| MT 63 | 0 | 0 |
| Total | 11317 | 100 |

Update intervals :

| | Minimum [s] | Maximum [s] | Mean value | Exceed Max update | Exceed NPA timeout | Exceed PA timeout |
|-------|-------------|-------------|------------|-------------------|--------------------|-------------------|
| MT 0 | -- | -- | -- | -- | -- | -- |
| MT 1 | 77 | 400 | 107.992 | 27 | 0 | 0 |
| MT 2 | 4 | 16 | 5.20086 | 776 | 0 | 4 |
| MT 3 | 4 | 17 | 5.13712 | 740 | 0 | 4 |
| MT 4 | 4 | 20 | 5.16584 | 742 | 1 | 5 |
| MT 5 | -- | -- | -- | -- | -- | -- |
| MT 6 | 1 | 6284 | 1428.71 | 2 | 2 | 2 |
| MT 7 | 76 | 560 | 105.518 | 26 | 1 | 5 |
| MT 9 | 76 | 560 | 103.035 | 0 | 0 | 0 |
| MT 10 | 77 | 321 | 105.333 | 28 | 0 | 5 |
| MT 12 | 192 | 585 | 246.81 | 58 | 12 | 12 |
| MT 17 | 192 | 588 | 230.127 | 0 | 0 | 0 |
| MT 18 | 4 | 200 | 50.8421 | 0 | 0 | 0 |
| MT 24 | -- | -- | -- | -- | -- | -- |
| MT 25 | 2 | 148 | 25.6825 | 0 | 0 | 0 |
| MT 26 | 4 | 69 | 11.614 | 0 | 0 | 0 |
| MT 27 | 190 | 781 | 239.983 | 0 | 0 | 0 |
| MT 28 | -- | -- | -- | -- | -- | -- |
| MT 62 | -- | -- | -- | -- | -- | -- |
| MT 63 | -- | -- | -- | -- | -- | -- |

Message Distribution PRN 136:



Parameters

System

| Name | Section | Value |
|------------|---------|--|
| Name | System | Convertor |
| Version | System | 4.3 |
| Inputfile | System | D:/PegasusDateJob/job/2017_02_22EGNOS2Hz/01_User/01_User |
| Outputfile | System | D:/PegasusDateJob/job/2017_02_22EGNOS2Hz/02_Convertor/02_Convertor |

Configuration

| Name | Section | Value |
|-----------------|---------------|---------------|
| Receiver | Configuration | Novatel OEM4 |
| Leap_Seconds | Configuration | 17 |
| Correction_mode | Configuration | SBAS MODE 0/2 |
| Dual_Frequency | Configuration | no |

Position Domain

start: 10:34:37.5 22.02.2017 (week: 1937 sec: 297277.5)
end: 14:37:39 22.02.2017 (week: 1937 sec: 311859)
duration: 04:03:02 ..

quality

valid samples 26068
total samples 26737

Event tables

| | |
|---|-------------|
| Position discontinuity events type | long |
| APV-I discontinuity events type | independent |
| APV-35m discontinuity events type | independent |
| LPV-200 discontinuity events type | independent |
| CAT-I discontinuity events type | nothing |

extremes :

| | Epoch | HPE | HPL | HPE/HPL | VPE | VPL | VPE/VPL |
|--------------------|--------|----------|---------|-----------|-----------|---------|------------|
| max normHor | 305587 | 1.48628 | 10.126 | 0.146778 | 0.486511 | 14.1353 | 0.0344181 |
| max normVer | 298752 | 0.995599 | 20.2119 | 0.049258 | 2.16232 | 19.1089 | 0.113158 |
| max HPE | 311783 | 9.30764 | 161.215 | 0.0577344 | -4.16793 | 64.059 | 0.065064 |
| max VPE | 309432 | 4.74117 | 90.9703 | 0.0521178 | 9.87268 | 175.136 | 0.0563715 |
| min HPL | 311027 | 1.30536 | 9.40365 | 0.138814 | -0.140986 | 19.0345 | 0.00740685 |
| min VPL | 305748 | 1.24689 | 10.0275 | 0.124348 | 0.73682 | 13.9093 | 0.0529732 |

Position discontinuity events :

| # | Epoch | duration | stable period |
|---|--------|----------|---------------|
| 1 | 300429 | 372.5 | 1369.5 |
| 2 | 308171 | 4.5 | 453.5 |
| 3 | 308760 | 64.5 | 144 |
| 4 | 309382 | 20.5 | 66.5 |
| 5 | 310563 | 78.5 | 820.5 |
| 6 | 311049 | 6.5 | 407.5 |
| 7 | 311390 | 21 | 180.5 |
| 8 | 311521 | 5.5 | 23.5 |

APV-I discontinuity events :

| # | Epoch | duration | stable period |
|----|--------|----------|---------------|
| 1 | 298502 | 8.5 | 103.5 |
| 2 | 298589 | 5.5 | 78.5 |
| 3 | 298664 | 13.5 | 37.5 |
| 4 | 299426 | 9.5 | 25.5 |
| 5 | 300429 | 372.5 | 73.5 |
| 6 | 304070 | 77.5 | 35.5 |
| 7 | 304708 | 79.5 | 295.5 |
| 8 | 306930 | 87 | 92 |
| 9 | 308171 | 8.5 | 453.5 |
| 10 | 308760 | 68.5 | 144 |
| 11 | 309202 | 5.5 | 108.5 |
| 12 | 309382 | 49.5 | 66.5 |
| 13 | 309579 | 160.5 | 147.5 |
| 14 | 310132 | 318.5 | 39.5 |
| 15 | 310561 | 85 | 110 |
| 16 | 311048 | 9.5 | 66.5 |
| 17 | 311251 | 346.5 | 41.5 |
| 18 | 311742 | 40.5 | 22.5 |

APV-35m discontinuity events :

| # | Epoch | duration | stable period |
|----|--------|----------|---------------|
| 1 | 298502 | 8.5 | 103.5 |
| 2 | 298589 | 5.5 | 78.5 |
| 3 | 298664 | 13.5 | 37.5 |
| 4 | 299426 | 9.5 | 25.5 |
| 5 | 300429 | 372.5 | 73.5 |
| 6 | 304070 | 125.5 | 35.5 |
| 7 | 304371 | 100.5 | 32.5 |
| 8 | 304708 | 79.5 | 236.5 |
| 9 | 306930 | 539 | 92 |
| 10 | 307637 | 39.5 | 18.5 |
| 11 | 308171 | 8.5 | 453.5 |
| 12 | 308760 | 68.5 | 144 |
| 13 | 309202 | 5.5 | 108.5 |
| 14 | 309382 | 49.5 | 15.5 |
| 15 | 309579 | 160.5 | 147.5 |
| 16 | 310132 | 318.5 | 39.5 |
| 17 | 310561 | 85 | 110 |
| 18 | 311046 | 12 | 64 |

LPV-200 discontinuity events :

| # | Epoch | duration | stable period |
|----|--------|----------|---------------|
| 1 | 298502 | 8.5 | 103.5 |
| 2 | 298589 | 5.5 | 78.5 |
| 3 | 298664 | 13.5 | 37.5 |
| 4 | 299426 | 9.5 | 25.5 |
| 5 | 300429 | 372.5 | 73.5 |
| 6 | 304070 | 125.5 | 35.5 |
| 7 | 304371 | 100.5 | 32.5 |
| 8 | 304708 | 79.5 | 236.5 |
| 9 | 306930 | 539 | 92 |
| 10 | 307637 | 39.5 | 18.5 |
| 11 | 308171 | 8.5 | 453.5 |
| 12 | 308760 | 68.5 | 144 |
| 13 | 309202 | 5.5 | 108.5 |
| 14 | 309382 | 49.5 | 15.5 |
| 15 | 309579 | 160.5 | 147.5 |
| 16 | 310132 | 318.5 | 39.5 |
| 17 | 310561 | 85 | 110 |
| 18 | 311046 | 12 | 64 |

First Glance analysis

| | |
|---|-------|
| Duration | 14582 |
| Number of Samples | 26737 |
| Number of invalid sample | 669 |
| Number of no position solution samples | 1233 |
| Number of missing sample | 2427 |

| | |
|----------------------------------|--------|
| Logging Loss | 8.3219 |
| Processing Loss | 2.5022 |
| Number of Misleading Information | 0 |
| Data gaps | 7 |
| Discontinuities | 43 |

Number of Samples :

| Valid | APV-1 | LPV-200 | CAT-1 | APV-35m |
|-------|-------|---------|-------|---------|
| 24835 | 20838 | 19162 | 0 | 19162 |

Accuracy statistics :

| | Valid | APV-1 | LPV-200 | CAT-1 | APV-35m |
|--------------|---------|---------|---------|-------|---------|
| HPE 95% | 1.60551 | 1.53668 | 1.50842 | NaN | 1.50842 |
| HPEscale 95% | NaN | 4.69748 | 4.73391 | NaN | 4.73391 |
| VPE 95% | 1.5228 | 1.41141 | 1.39288 | NaN | 1.39288 |
| VPEscale 95% | NaN | 3.34594 | 2.37764 | NaN | 2.37764 |

Availability :

| | Valid | APV-1 | LPV-200 | CAT-1 | APV-35m |
|-----------------|----------|----------|----------|-------|----------|
| Signal in Space | 0.952701 | 0.799371 | 0.735077 | 0 | 0.735077 |
| measurements | 0.928863 | 0.779369 | 0.716685 | 0 | 0.716685 |
| Operational | 1.70313 | 1.42902 | 1.31409 | 0 | 1.31409 |

Discontinuity events :

| | Valid | APV-1 | LPV-200 | CAT-1 | APV-35m |
|-------------|------------|-----------|-----------|-------|-----------|
| All | 37 | 76 | 125 | -- | 125 |
| Long | 8 | 26 | 37 | -- | 37 |
| Independent | 8 | 18 | 18 | -- | 18 |
| P(disc.) | 0.00483189 | 0.0129571 | 0.0140904 | NaN | 0.0140904 |
| P(slide) | 0.021522 | 0.0467895 | 0.0685993 | NaN | 0.0685993 |

Integrity events :

| | MI | HMI APV-1 | HMI LPV-200 | HMI CAT-1 | HMI APV-35m |
|------------|----|-----------|-------------|-----------|-------------|
| Total | 0 | 0 | 0 | 0 | 0 |
| Horizontal | 0 | 0 | 0 | 0 | 0 |
| Vertical | 0 | 0 | 0 | 0 | 0 |

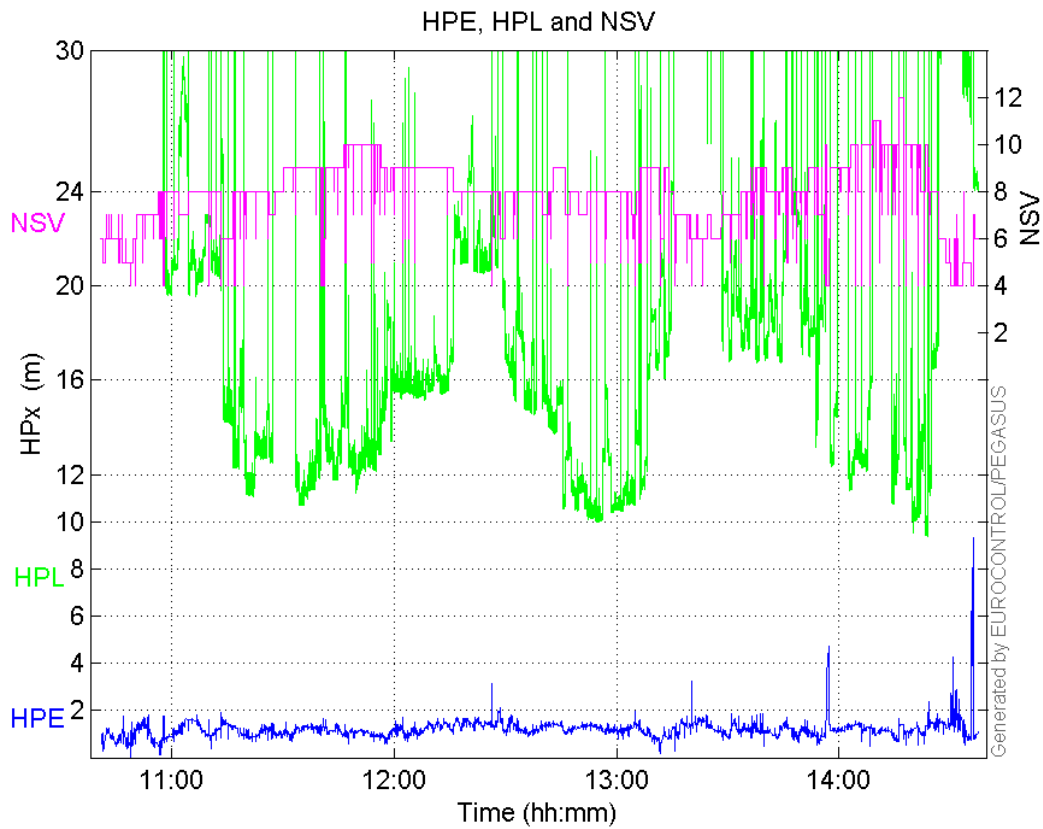
Performance Summary :

| | Valid | APV-1 | LPV-200 | CAT-1 | APV-35m |
|--------------------------|----------|----------|----------|-------|----------|
| Samples | 24835 | 20838 | 19162 | 0 | 19162 |
| SIS Availability | 0.952701 | 0.799371 | 0.735077 | 0 | 0.735077 |
| Local Availability | 0.928863 | 0.779369 | 0.716685 | 0 | 0.716685 |
| Operational Availability | 1.70313 | 1.42902 | 1.31409 | 0 | 1.31409 |
| HPE 95% | 1.60551 | 1.53668 | 1.50842 | NaN | 1.50842 |
| HPEscale 95% | NaN | 4.69748 | 4.73391 | NaN | 4.73391 |
| VPE 95% | 1.5228 | 1.41141 | 1.39288 | NaN | 1.39288 |
| VPEscale 95% | NaN | 3.34594 | 2.37764 | NaN | 2.37764 |
| All Discontinuity Events | 37 | 76 | 125 | -- | 125 |

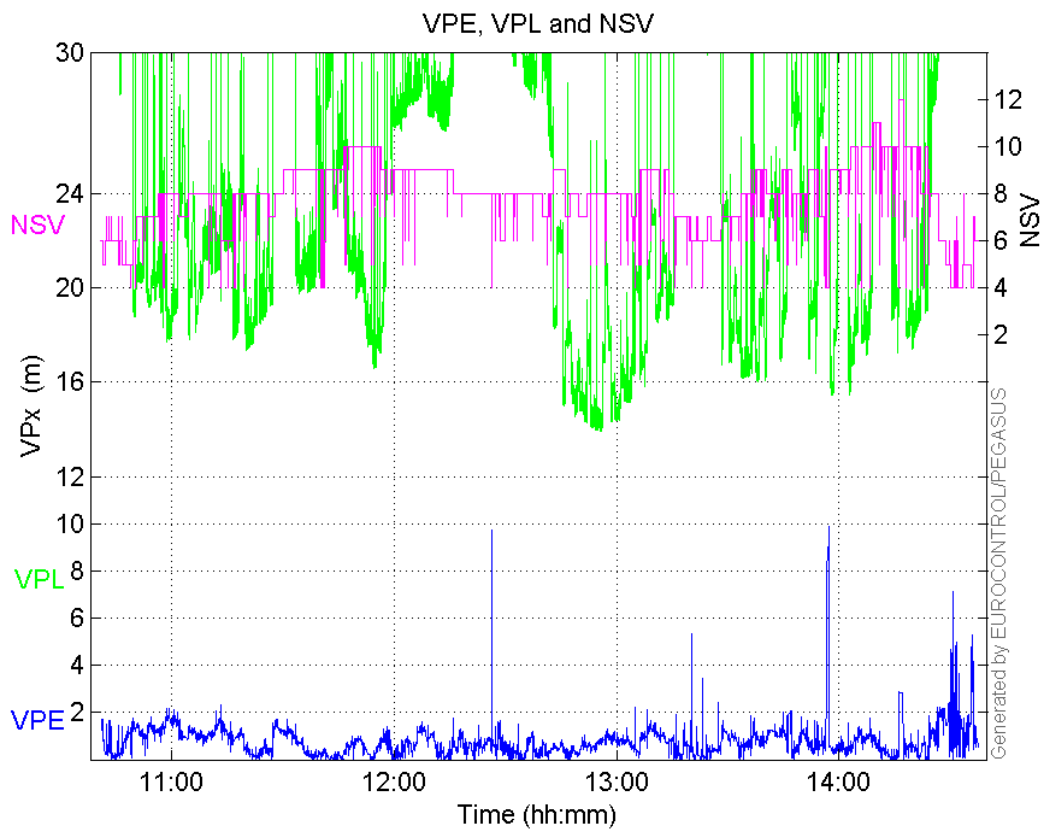
| | | | | | |
|---|------------|-----------|-----------|-----|-----------|
| Long Discontinuity Events | 8 | 26 | 37 | -- | 37 |
| Independent Discontinuity Events | 8 | 18 | 18 | -- | 18 |
| P(discontinuity) | 0.00483189 | 0.0129571 | 0.0140904 | NaN | 0.0140904 |
| P(sliding window) | 0.021522 | 0.0467895 | 0.0685993 | NaN | 0.0685993 |
| All Integrity Events | 0 | 0 | 0 | 0 | 0 |
| Horizontal Integrity Events | 0 | 0 | 0 | 0 | 0 |
| Vertical Integrity Events | 0 | 0 | 0 | 0 | 0 |

Time Series

HPE, HPL and NSV:

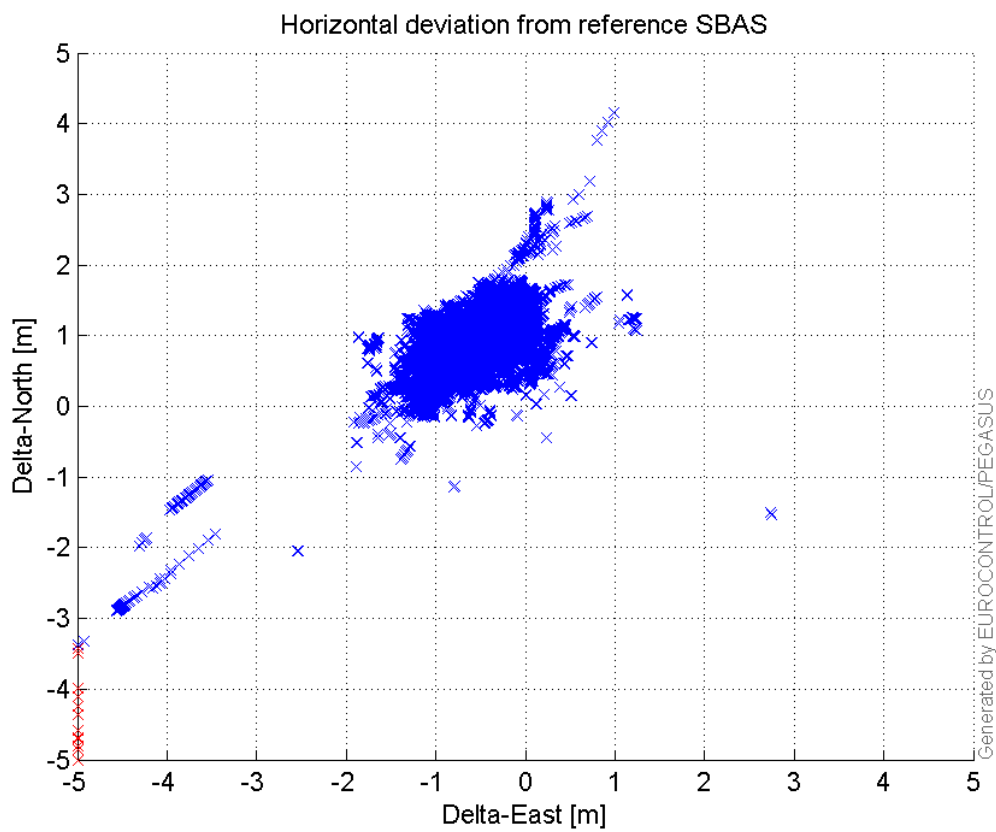


VPE, VPL and NSV:



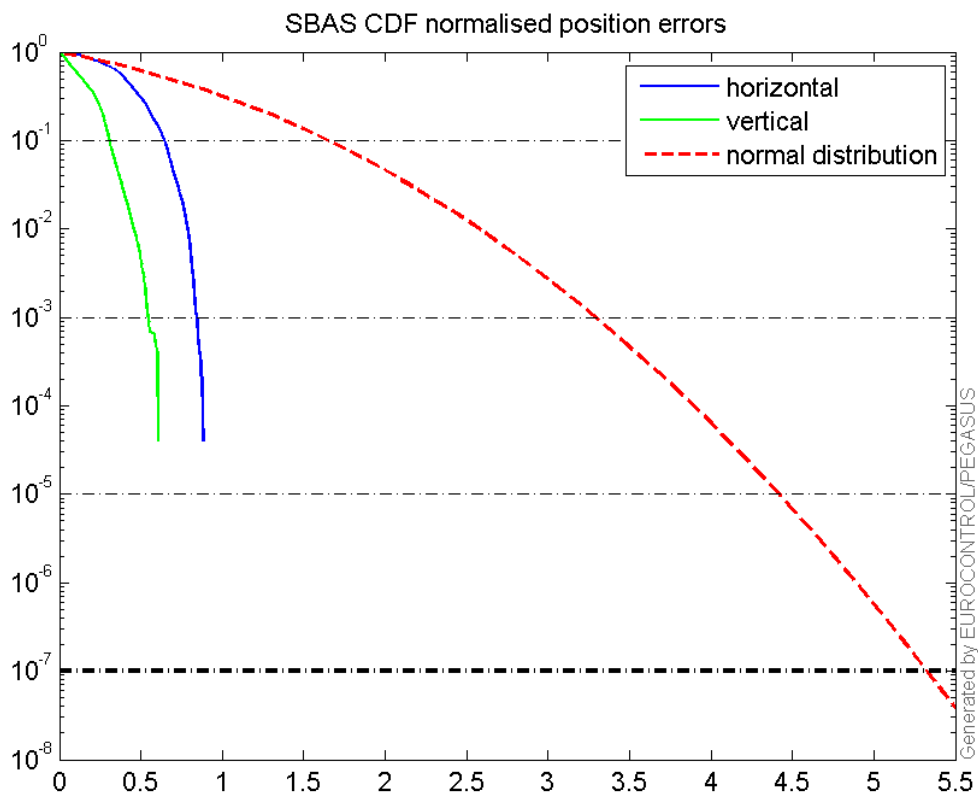
Horizontal deviation

Horizontal deviation from reference SBAS:



CDF position

SBAS CDF position domain:



Statistics

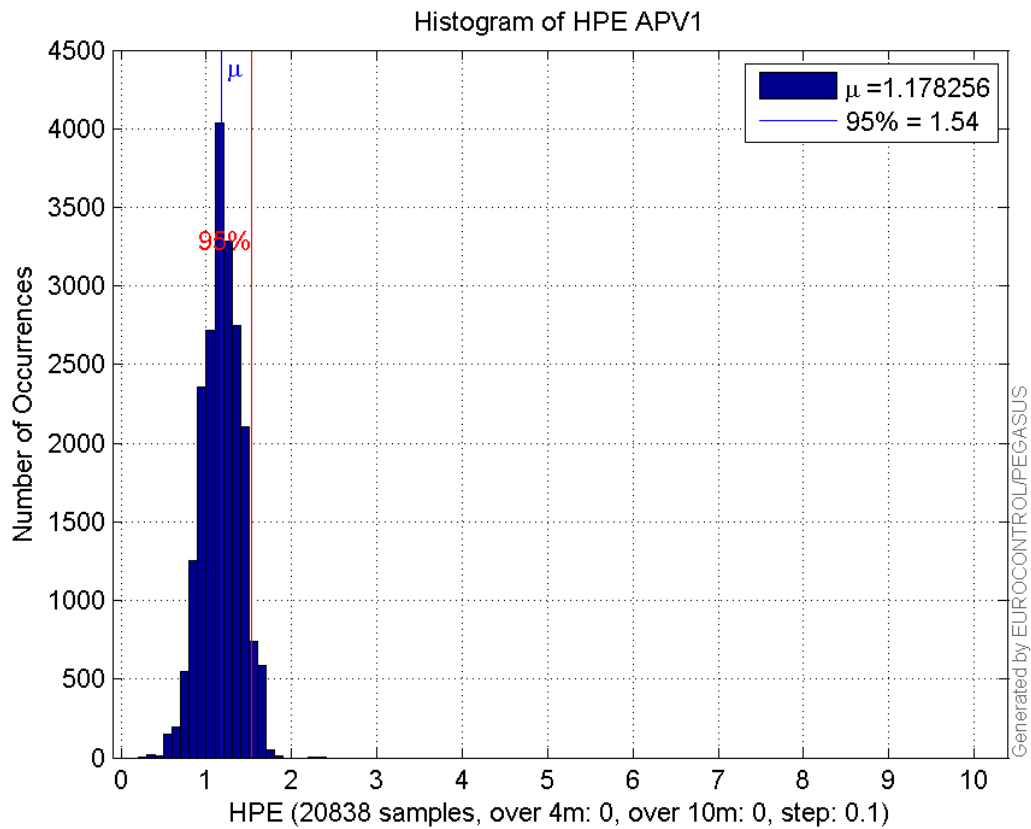
| | |
|------------------|------------|
| number | 20838 |
| sum | 24552.492 |
| sum2 | 29968.565 |
| prctile95 | 1.5366839 |
| prctile99 | 1.6406155 |
| number | 20838 |
| sum | 14723.151 |
| sum2 | 13953.221 |
| prctile95 | 1.4114142 |
| prctile99 | 1.7717709 |
| number | 20838 |
| sum | 361760.27 |
| sum2 | 7033701 |
| prctile95 | 32.32916 |
| prctile99 | 35.82466 |
| number | 20838 |
| sum | 493326.44 |
| sum2 | 12720044 |
| prctile95 | 38.30542 |
| prctile99 | 46.018036 |
| number | 20838 |
| sum | 1559.1321 |
| sum2 | 129.95092 |
| prctile95 | 0.11743695 |

prctile99 0.13230037
number 20838
sum 677.47292
sum2 30.914239
prctile95 0.066918734
prctile99 0.087481543
number 19162
sum 22415.818
sum2 27148.6
prctile95 1.5084239
prctile99 1.6362827
number 19162
sum 13614.385
sum2 12895.632
prctile95 1.3928772
prctile99 1.7272014
number 19162
sum 319250.67
sum2 5909724.4
prctile95 30.22264
prctile99 35.50838
number 19162
sum 425359.23
sum2 9937916
prctile95 32.62542
prctile99 34.483292
number 19162
sum 1471.1685
sum2 124.98733
prctile95 0.11834787
prctile99 0.13272597
number 19162
sum 650.51932
sum2 30.316841
prctile95 0.067932556
prctile99 0.088310023

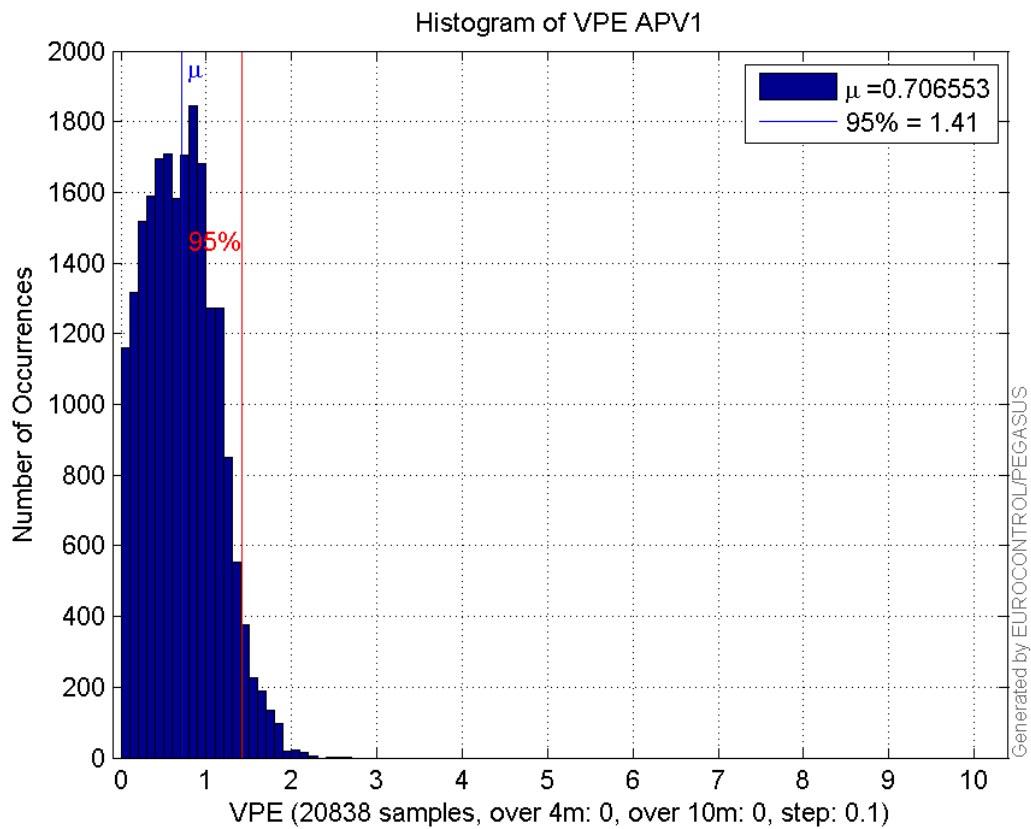
Error and XPL Statistics :

| | Mean Value | Standard Deviation | 50% Value | 95% Value | 99% Value | RMS Value |
|------------|------------|--------------------|-----------|-----------|-----------|-----------|
| HPE | 1.17826 | 0.223349 | 1.17748 | 1.53668 | 1.64062 | 1.19924 |
| HPL | 17.3606 | 6.01275 | 15.8667 | 32.3292 | 35.8247 | 18.3723 |
| VPE | 0.706553 | 0.41279 | 0.690603 | 1.41141 | 1.77177 | 0.818294 |
| VPL | 23.6744 | 7.06769 | 21.3175 | 38.3054 | 46.018 | 24.7068 |

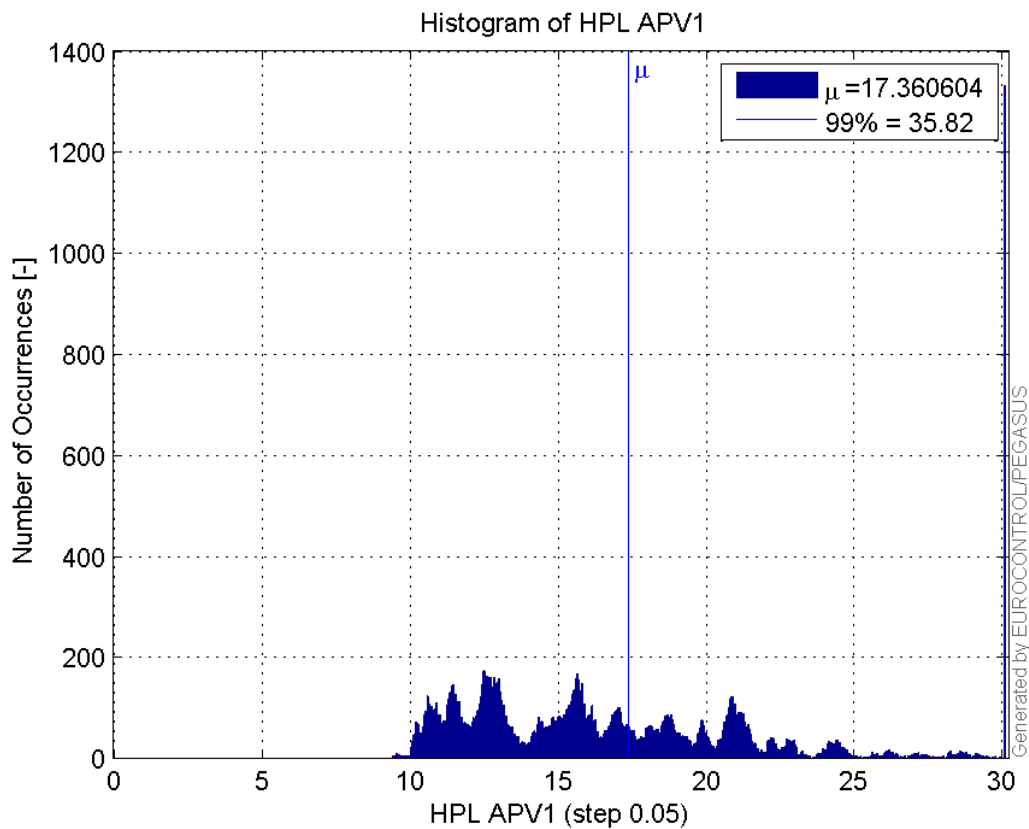
Histogram of HPE APV1:



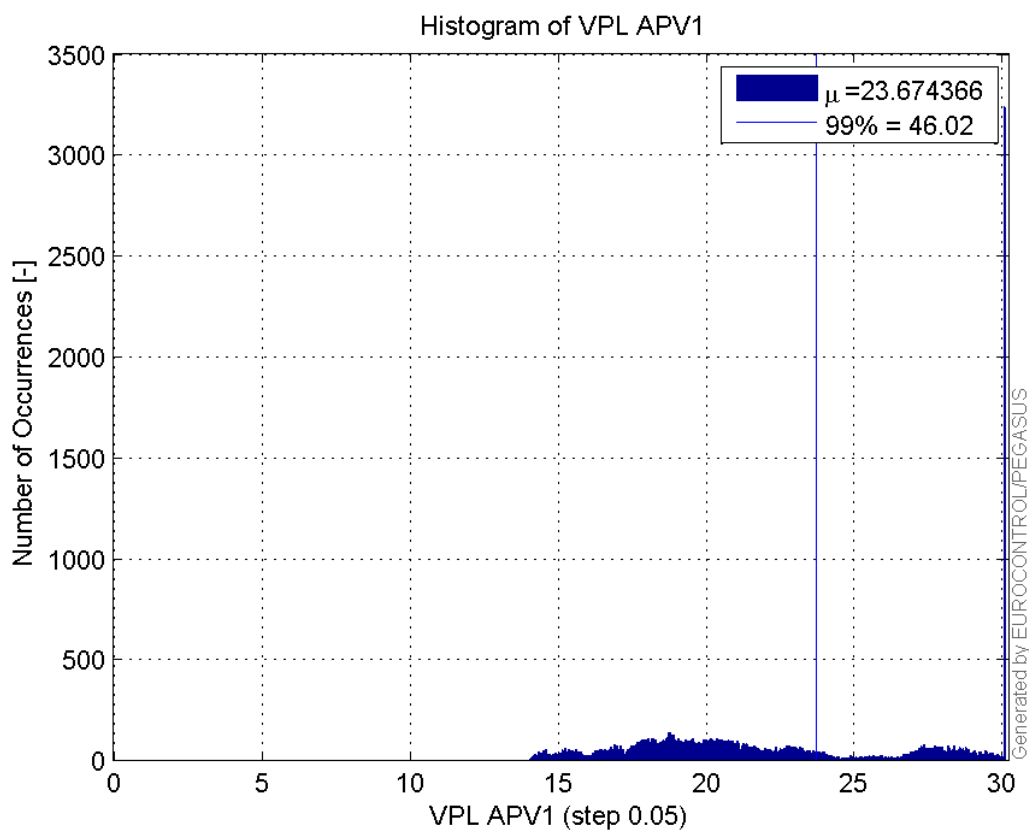
Histogram of VPE APV1:



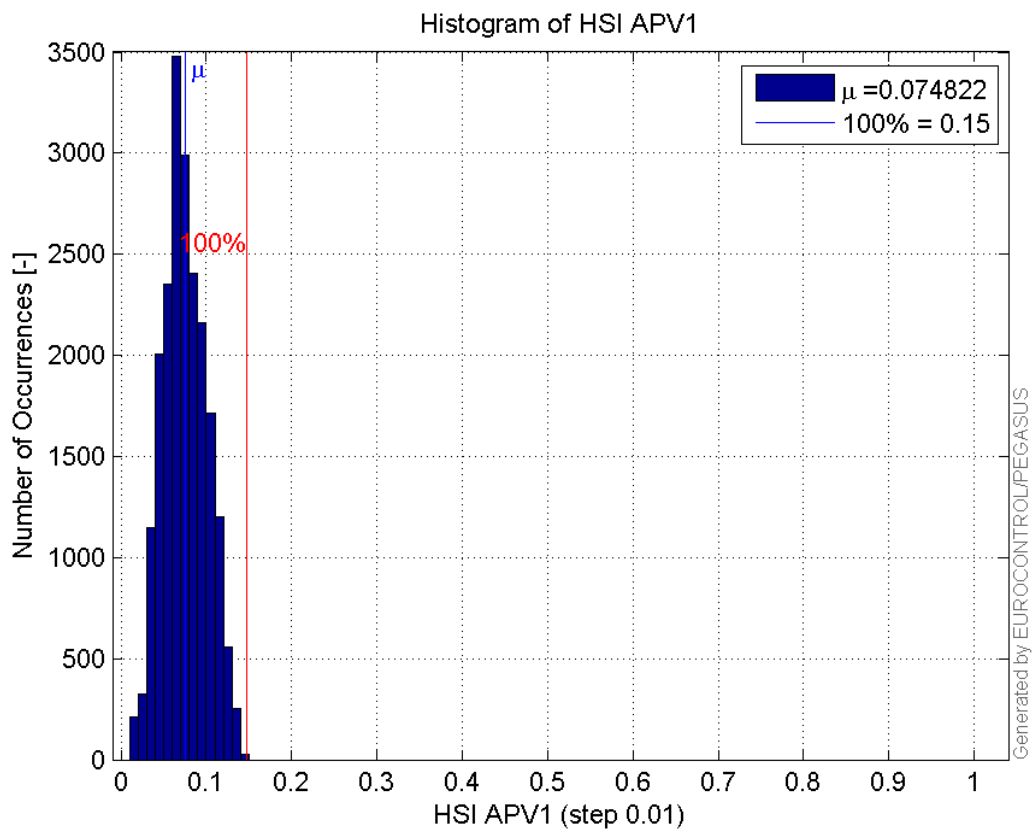
Histogram of HPL APV1:



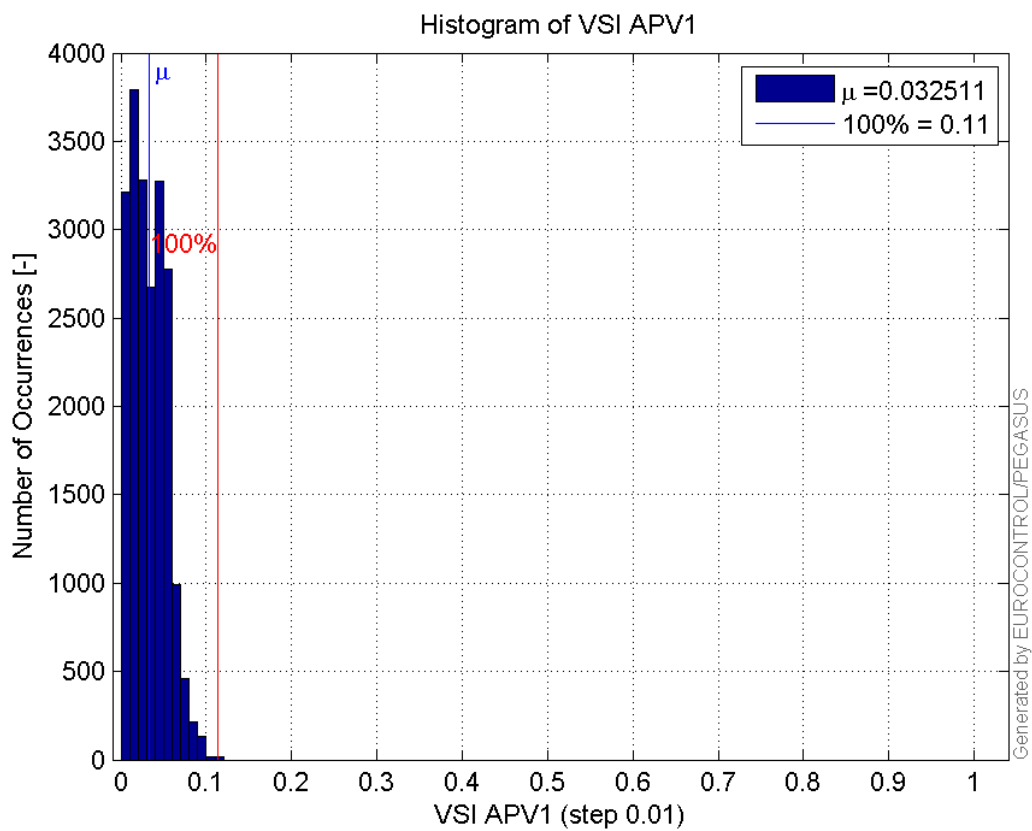
Histogram of VPL APV1:



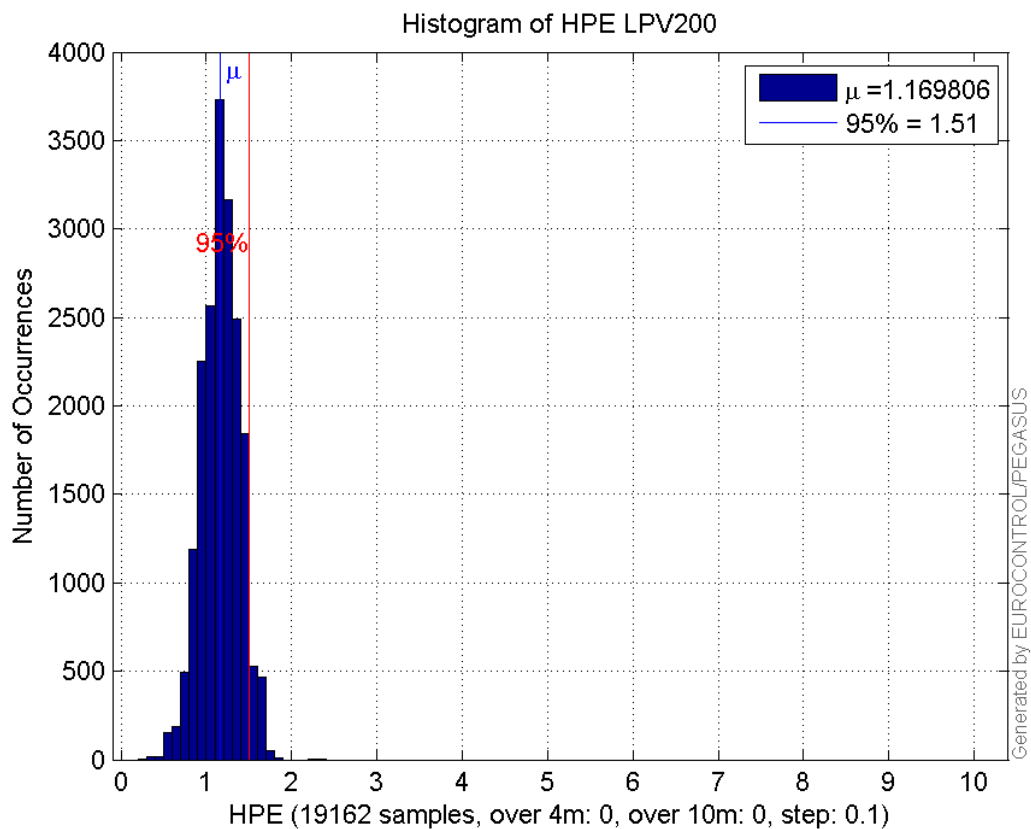
Histogram of HSI APV1:



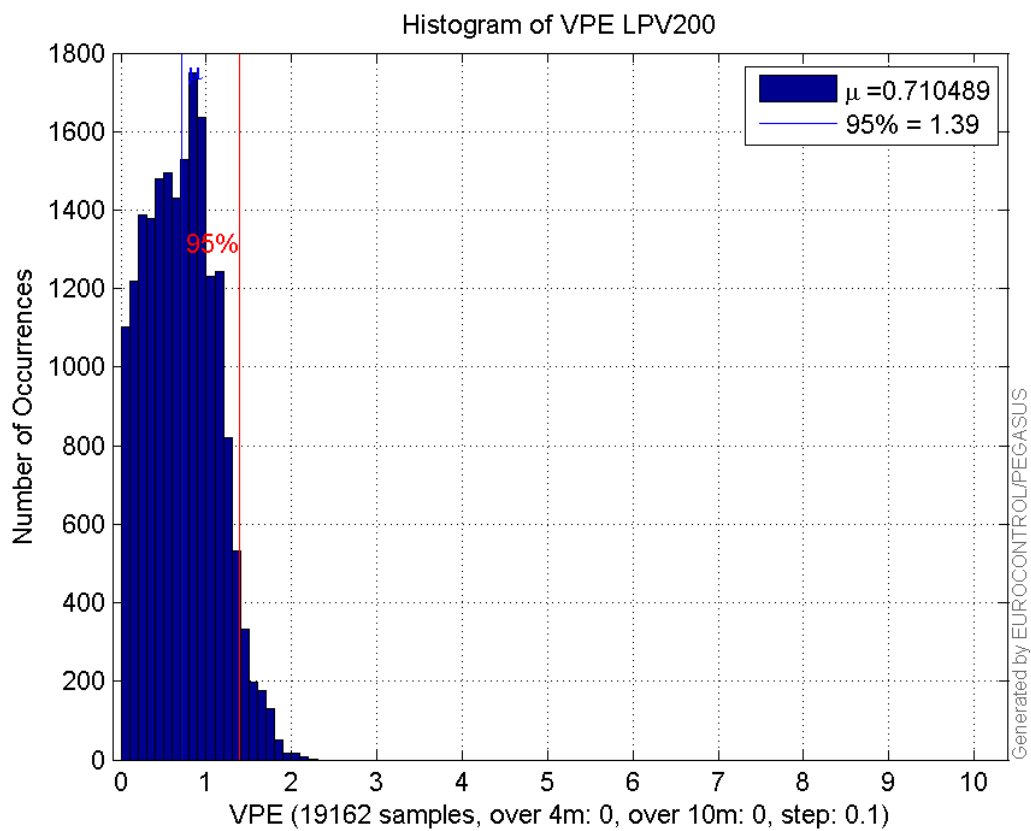
Histogram of VSI APV1:



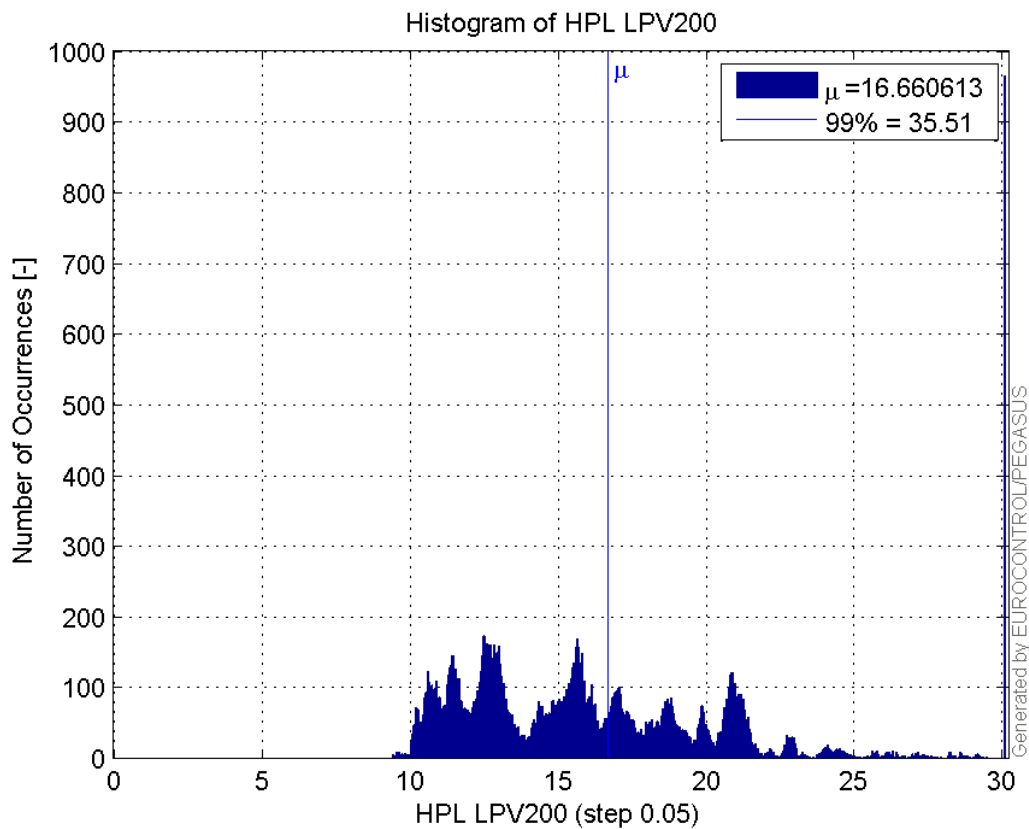
Histogram of HPE LPV200:



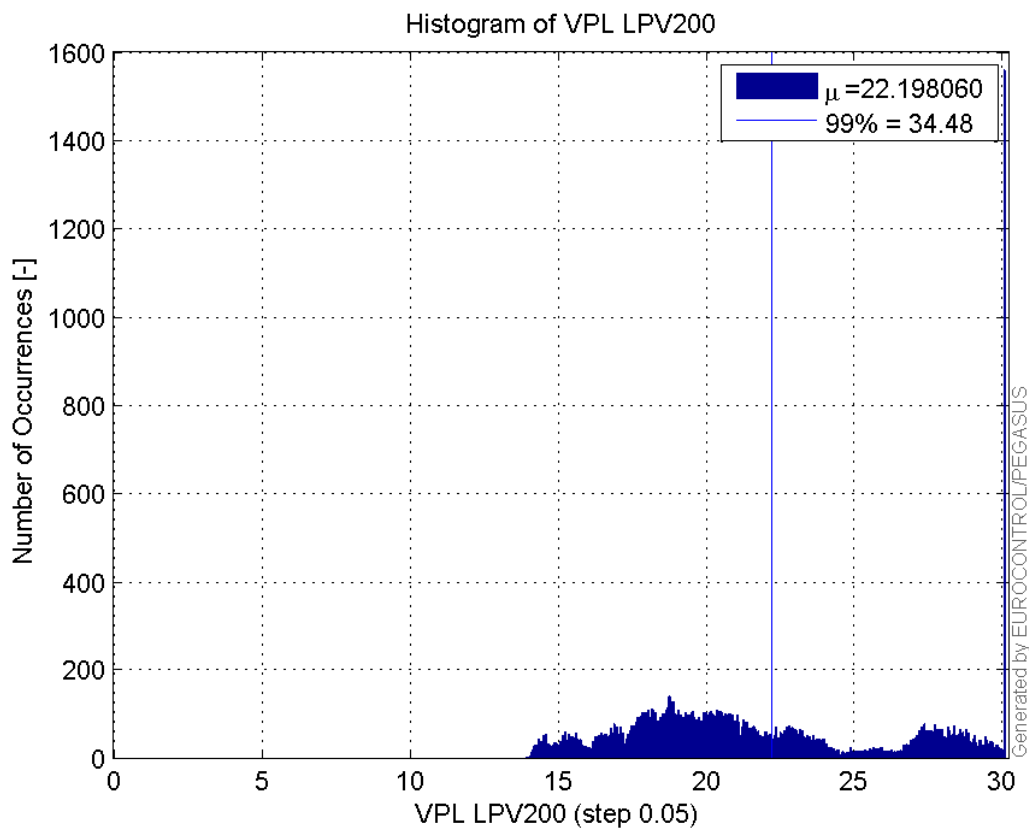
Histogram of VPE LPV200:



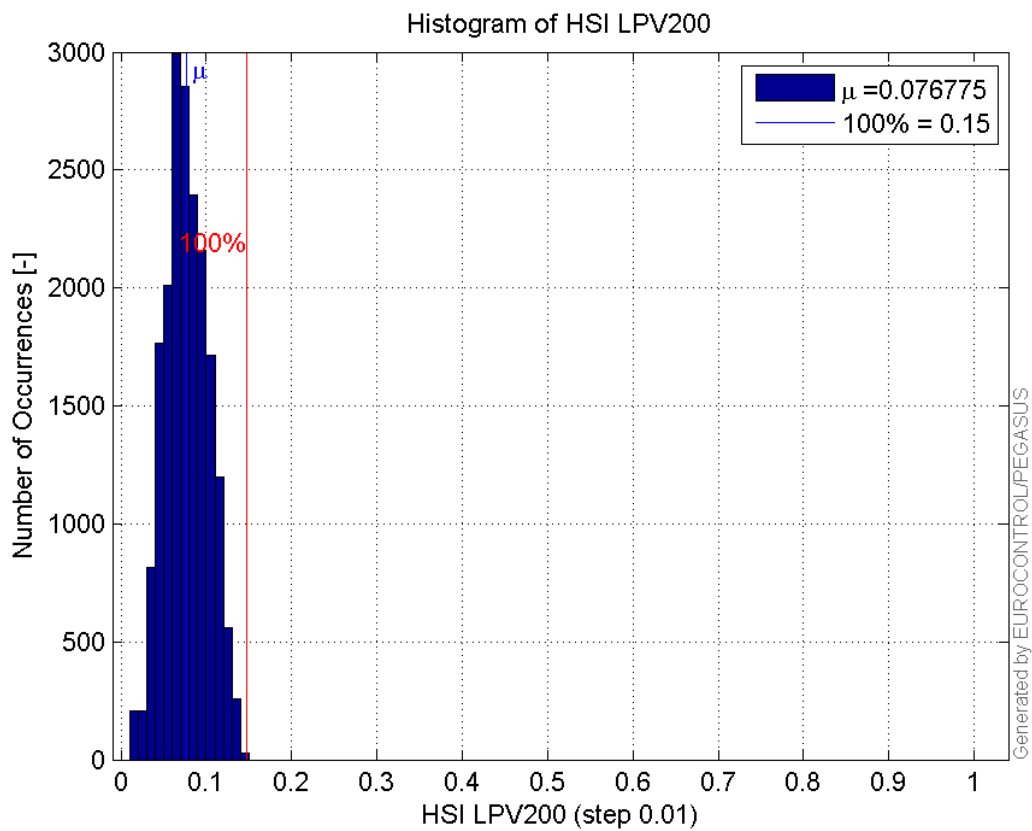
Histogram of HPL LPV200:



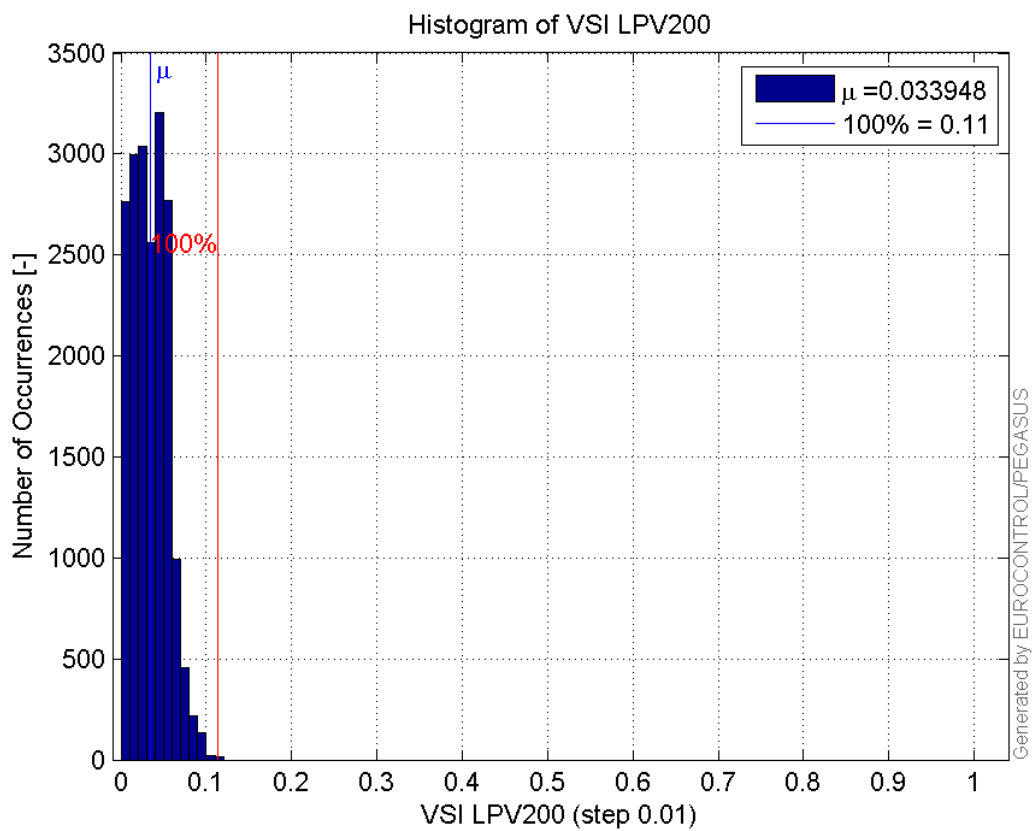
Histogram of VPL LPV200:



Histogram of HSI LPV200:

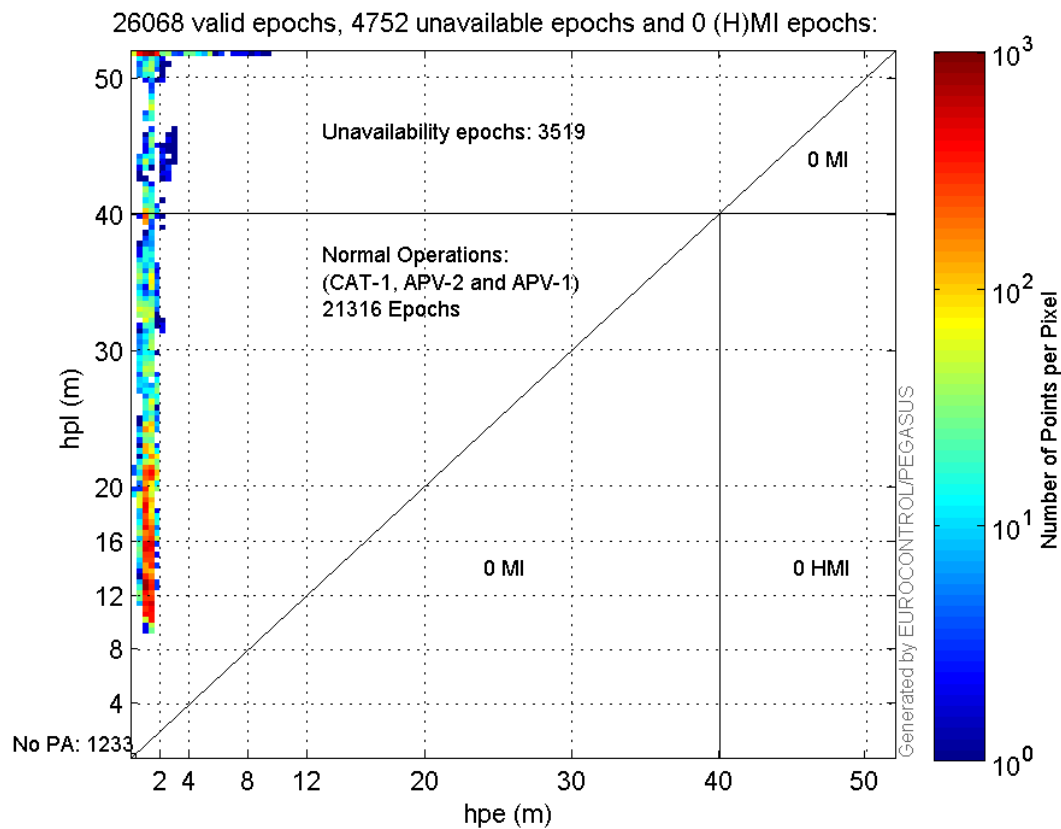


Histogram of VSI LPV200:

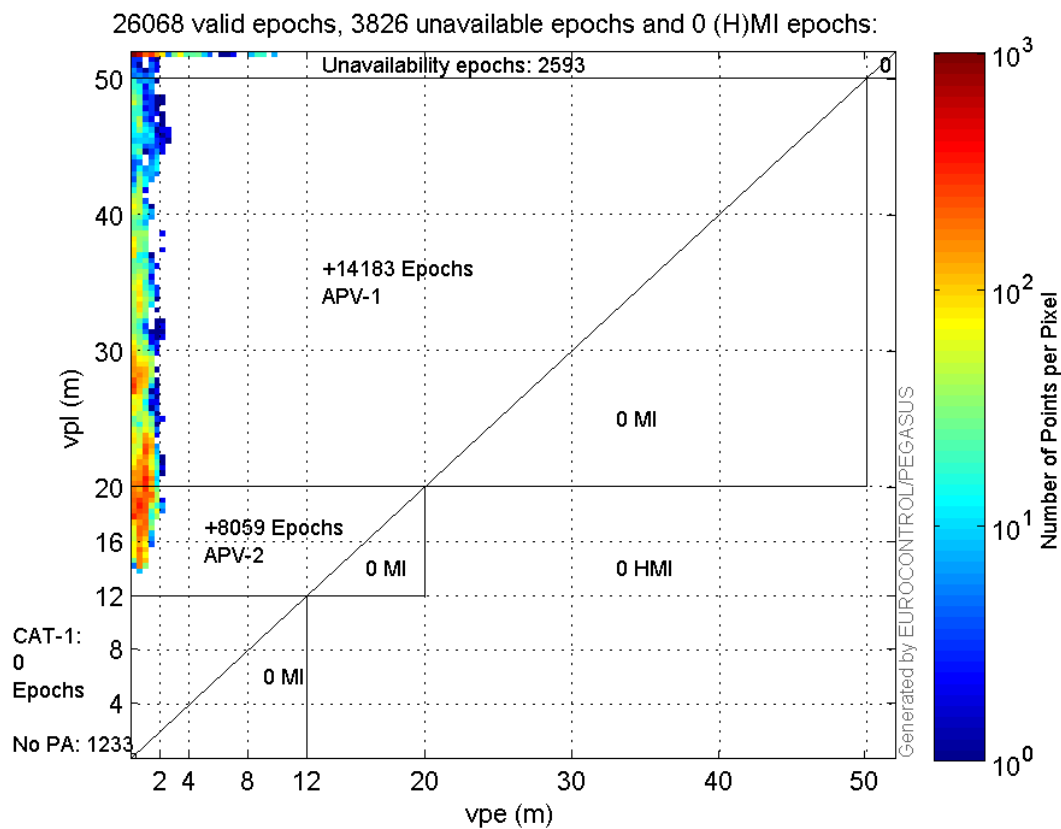


Stanford Plots

Horizontal_Stanford_Plot_SBAS:



Vertical_Stanford_Plot_SBAS:



Parameters

system

| Name | Section | Value |
|---------------|---------|--|
| name | system | GNSS_Solution |
| version | system | 4.8.4.0 |
| input_prefix | system | D:/PegasusDateJob/job/2017_02_22EGNOS2Hz/02_Convertor/02_Convertor |
| output_prefix | system | D:/PegasusDateJob/job/2017_02_22EGNOS2Hz/03_GNSS_Solution/03_GNSS_Solution_sol |

settings

| Name | Section | Value |
|--------------------------|----------|---------|
| ref_lat | settings | 50.439 |
| ref_lon | settings | 30.4297 |
| ref_alt | settings | 215.271 |
| smoothing | settings | yes |
| smoothing_constant | settings | 100 |
| smoothing_max_gap | settings | 10 |
| smoothing_max_divergence | settings | 3 |
| min_elevation | settings | 5 |
| aad_model | settings | a |
| output_range_file | settings | yes |
| sbas_prn | settings | 120 |
| gnss_mode | settings | sbas |

results

| Name | Section | Value |
|------------|---------|---------|
| init_lat | results | 50.439 |
| init_lon | results | 30.4297 |
| init_alt | results | 228.149 |
| mi_numbers | results | 0 |

Range Domain

start: 10:34:37.5 22.02.2017 (week: 1937 sec: 297277.5)
end: 14:37:39 22.02.2017 (week: 1937 sec: 311859)
duration: 04:03:02 ..

quality

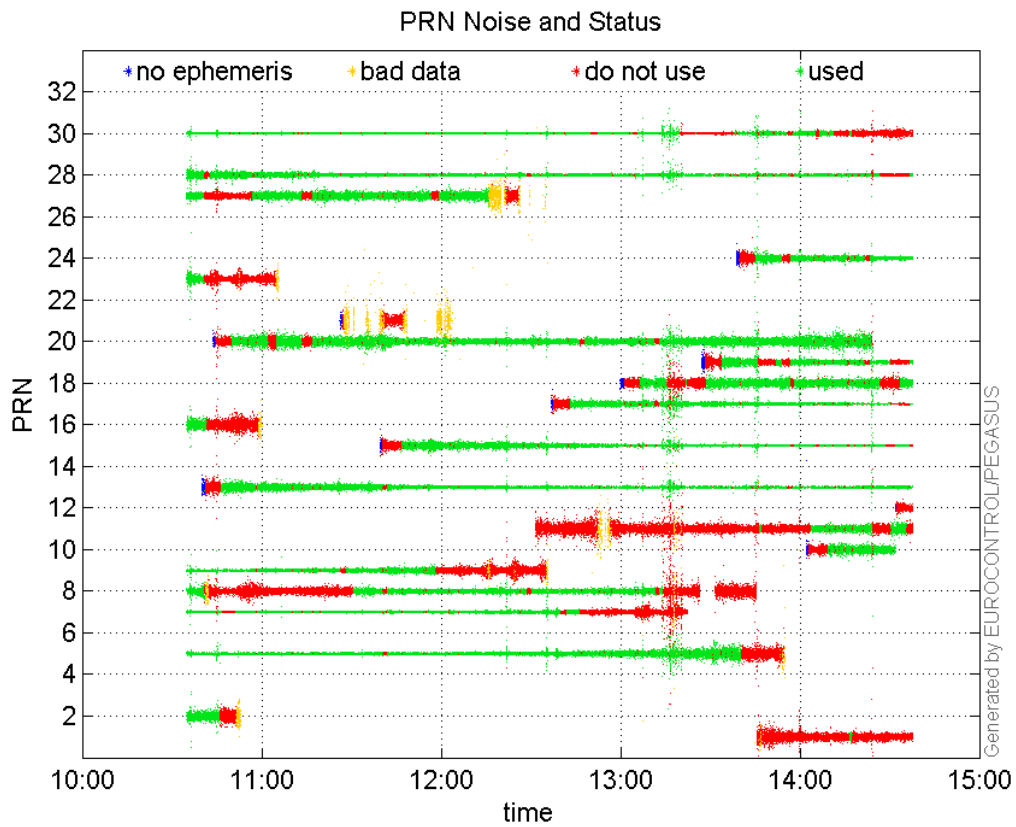
valid samples 26737
total samples 26737

PRN overview

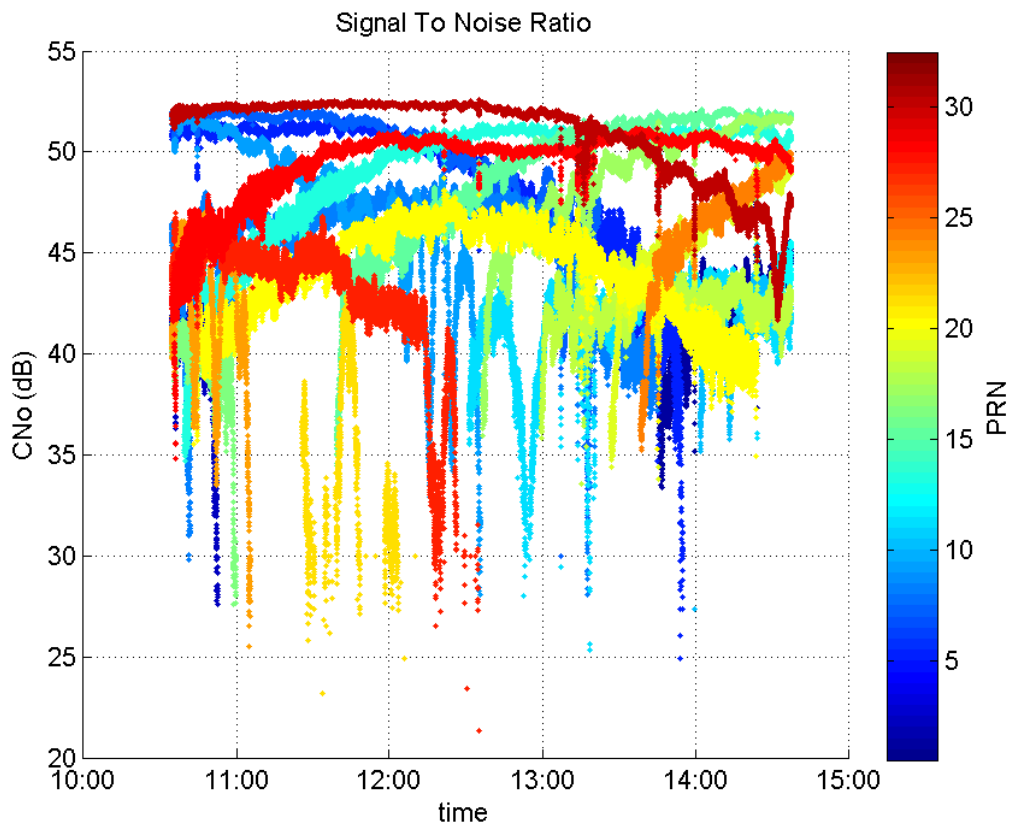
Number of Visible GPS Satellites 22
Number of Visible SBAS Satellites 2

signal quality and status

PRN Noise and Status:



Signal To Noise Ratio:



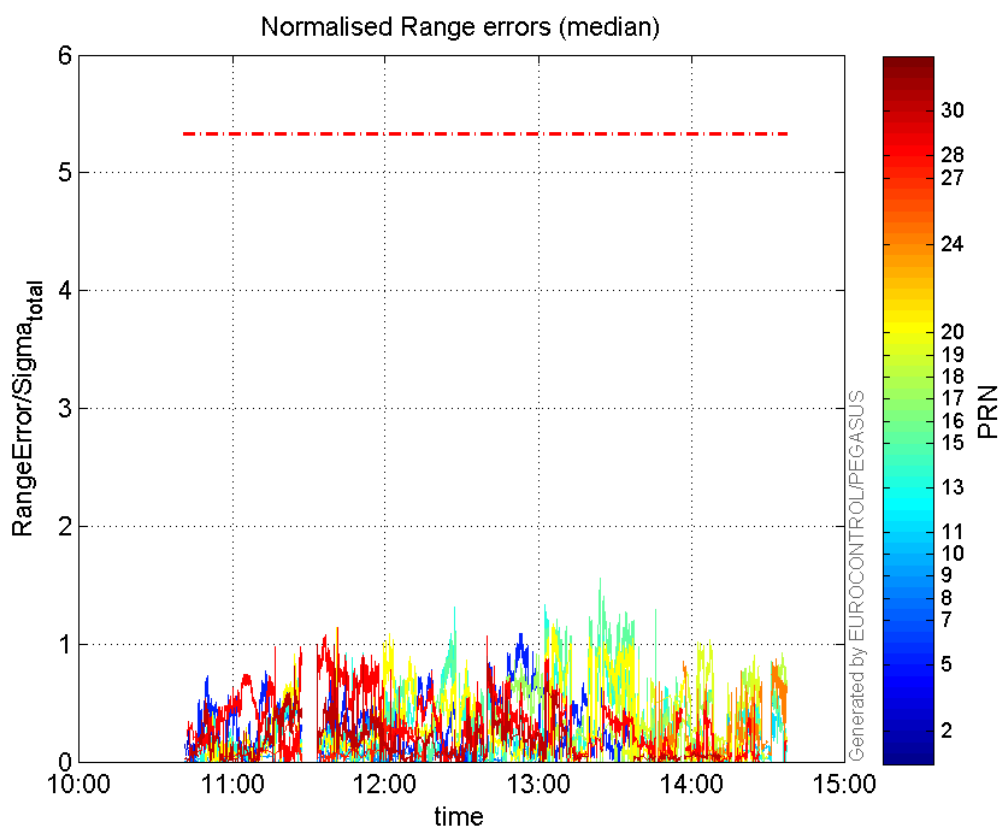
range errors

Number of Overbounding Norm Errors 0

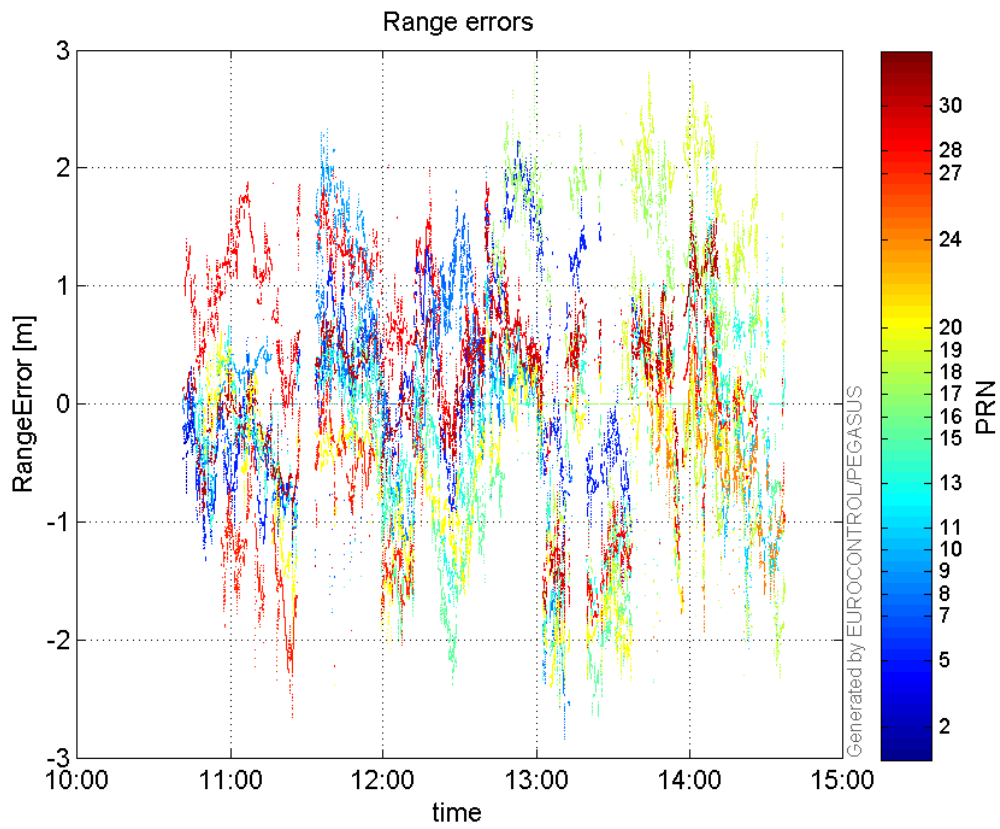
Max Norm Errors :

| GPS Week | GPS Second | PRN | Norm Error | Range Error | Sigma |
|----------|------------|-----|------------|-------------|---------|
| 1937 | 297764 | 2 | 0.265328 | -0.760729 | 2.86712 |
| 1937 | 305587 | 5 | 1.09223 | 2.2083 | 2.02183 |
| 1937 | 301126 | 7 | 0.839172 | -1.61167 | 1.92055 |
| 1937 | 306186 | 8 | 0.808673 | -2.29952 | 2.84357 |
| 1937 | 301968 | 9 | 0.387082 | 1.37019 | 3.5398 |
| 1937 | 310905 | 10 | 0.516862 | -1.72174 | 3.33115 |
| 1937 | 311661 | 11 | 0.558397 | -2.00628 | 3.59292 |
| 1937 | 306164 | 13 | 1.33163 | -2.26235 | 1.69894 |
| 1937 | 307469 | 15 | 1.56167 | -2.52293 | 1.61553 |
| 1937 | 297638 | 16 | NaN | NaN | 17.6712 |
| 1937 | 305963 | 17 | 0.915781 | 2.89564 | 3.16193 |
| 1937 | 311742 | 18 | 0.922872 | -2.25862 | 2.44738 |
| 1937 | 310053 | 19 | 1.0338 | 2.53949 | 2.45647 |
| 1937 | 306363 | 20 | 1.1741 | -2.40001 | 2.04413 |
| 1937 | 311609 | 24 | 0.877044 | -1.49815 | 1.70817 |
| 1937 | 301254 | 27 | 0.423224 | -2.23309 | 5.27637 |
| 1937 | 301277 | 28 | 1.14096 | 1.92537 | 1.6875 |
| 1937 | 300808 | 30 | 0.998426 | -1.3679 | 1.37005 |

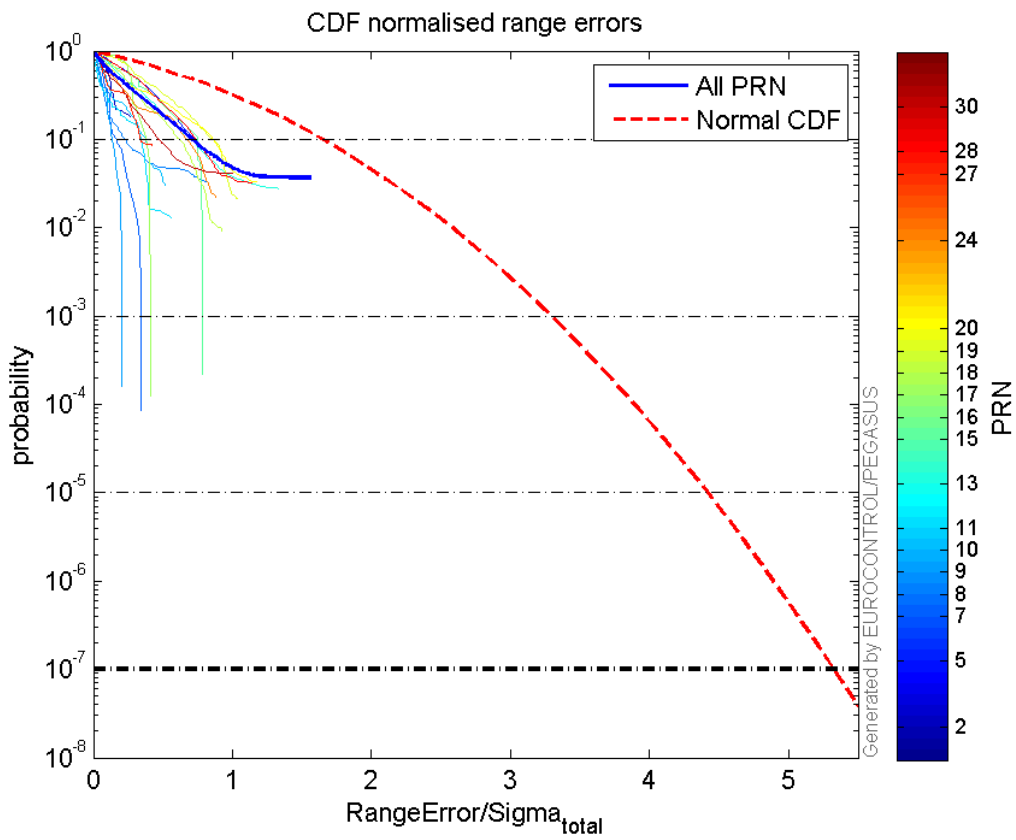
Normalised Range errors (median):



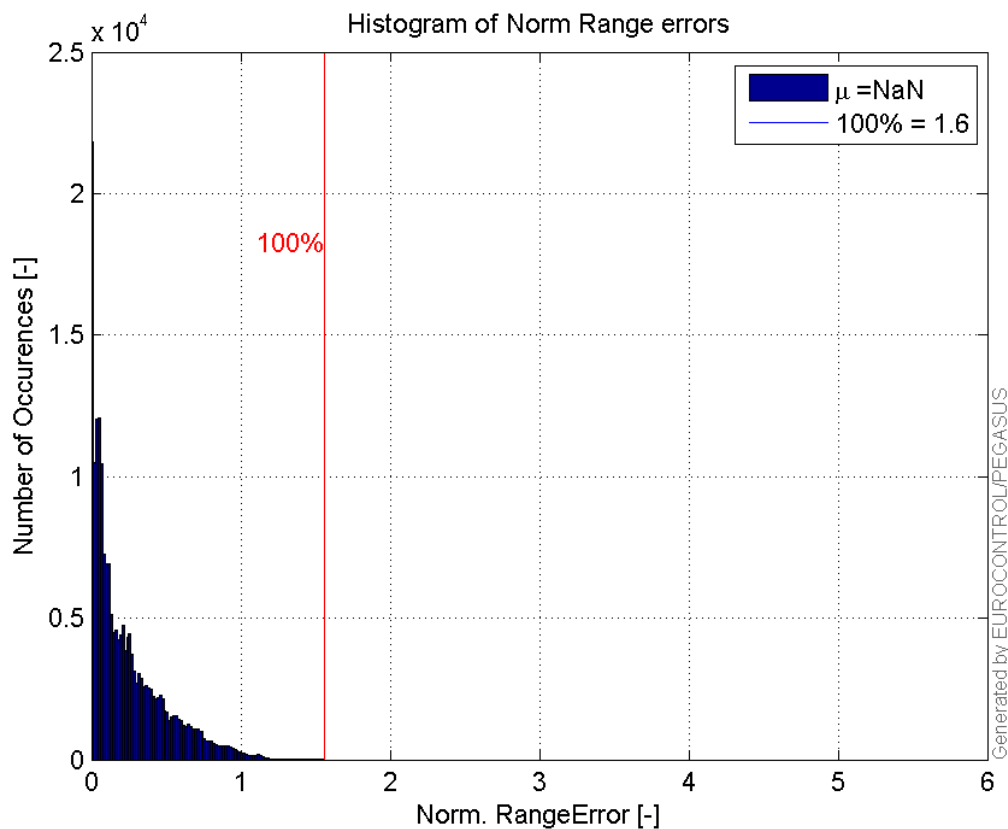
Range errors:



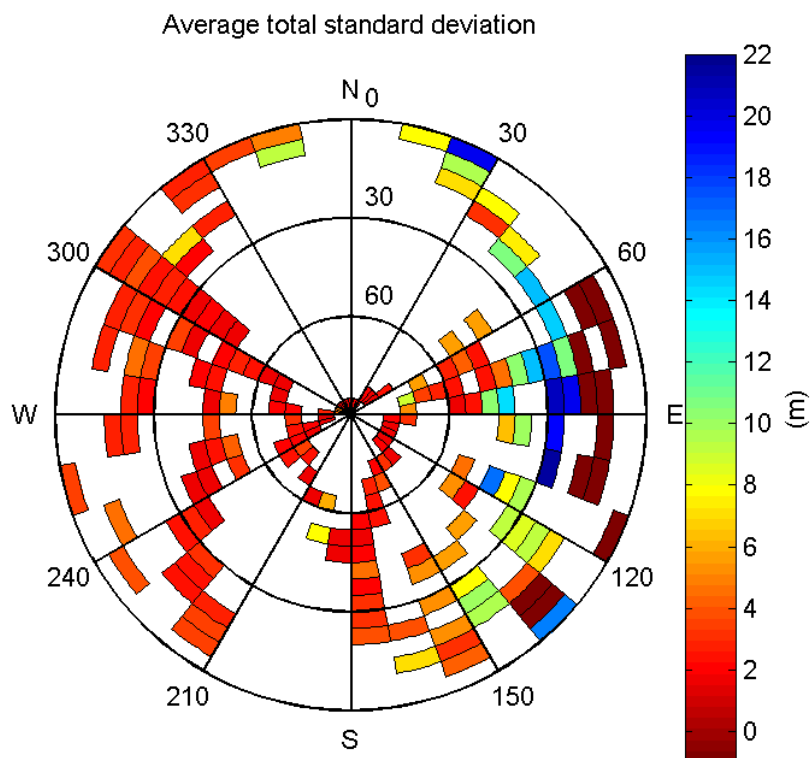
CDF normalised range errors:



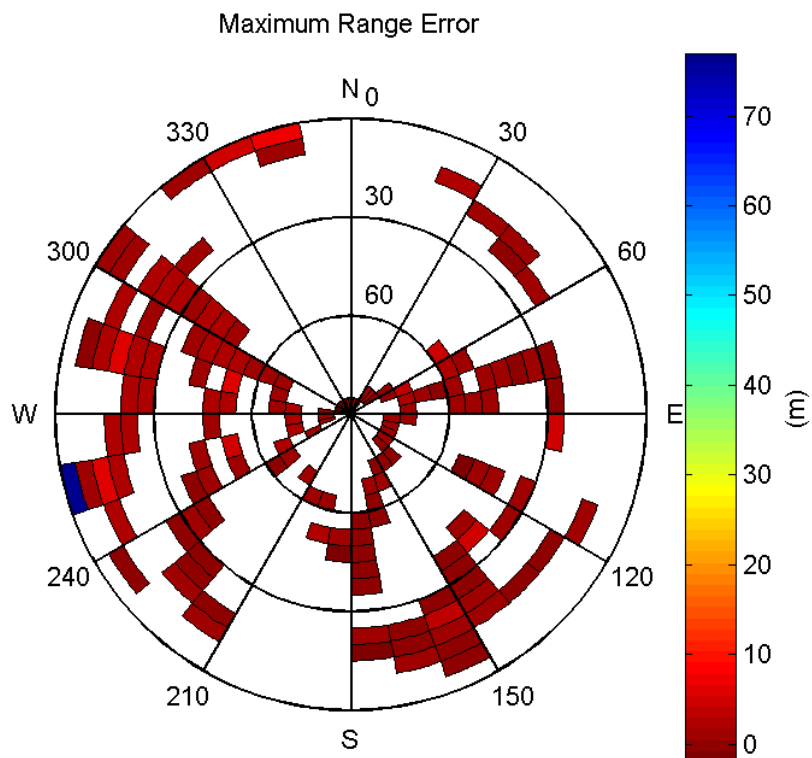
Histogram of Norm Range errors:



Sigma Sky Plot:

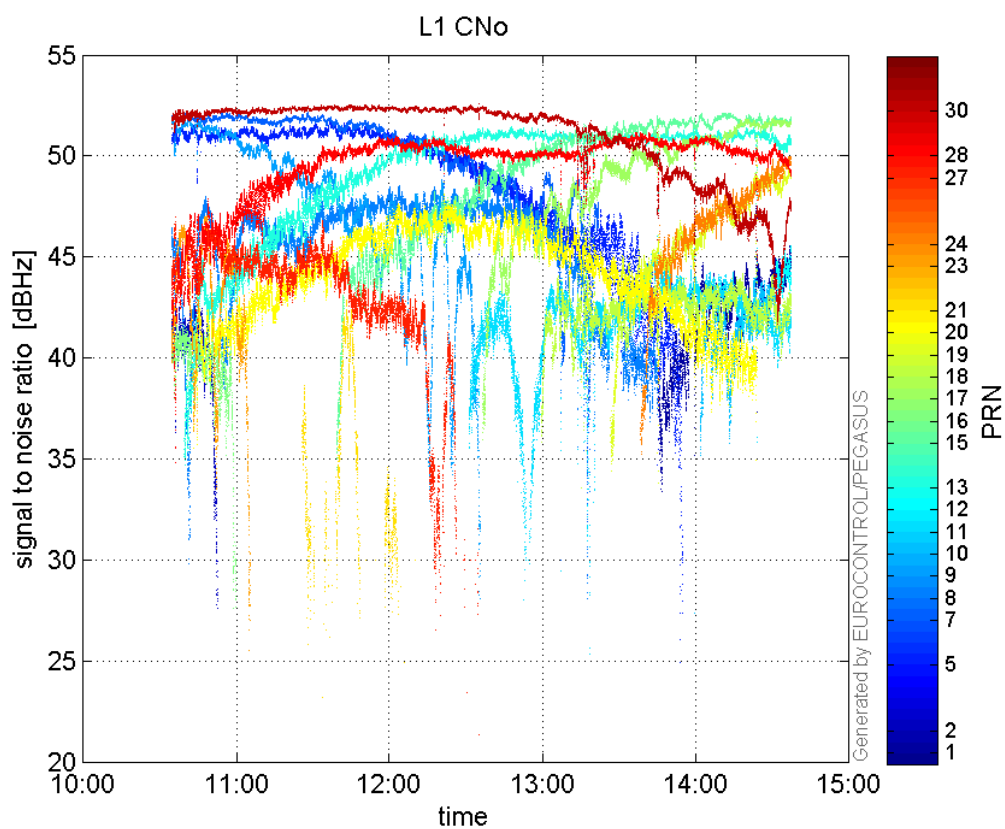


Norm Error Sky Plot:

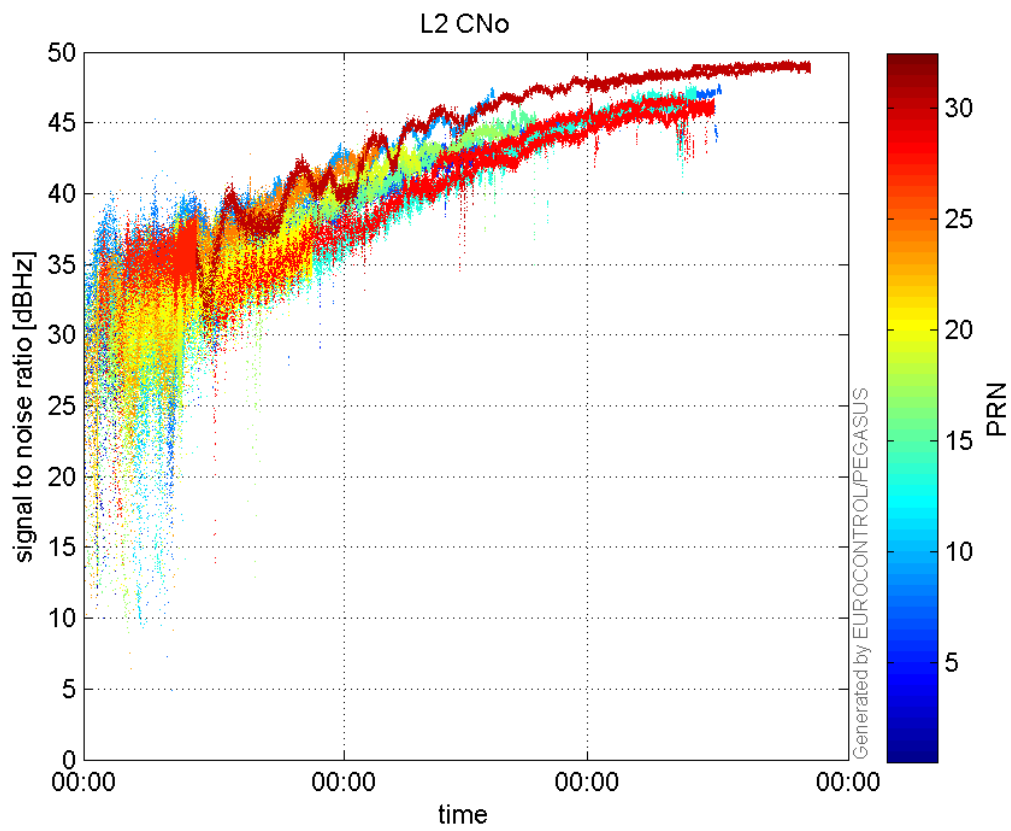


signal quality

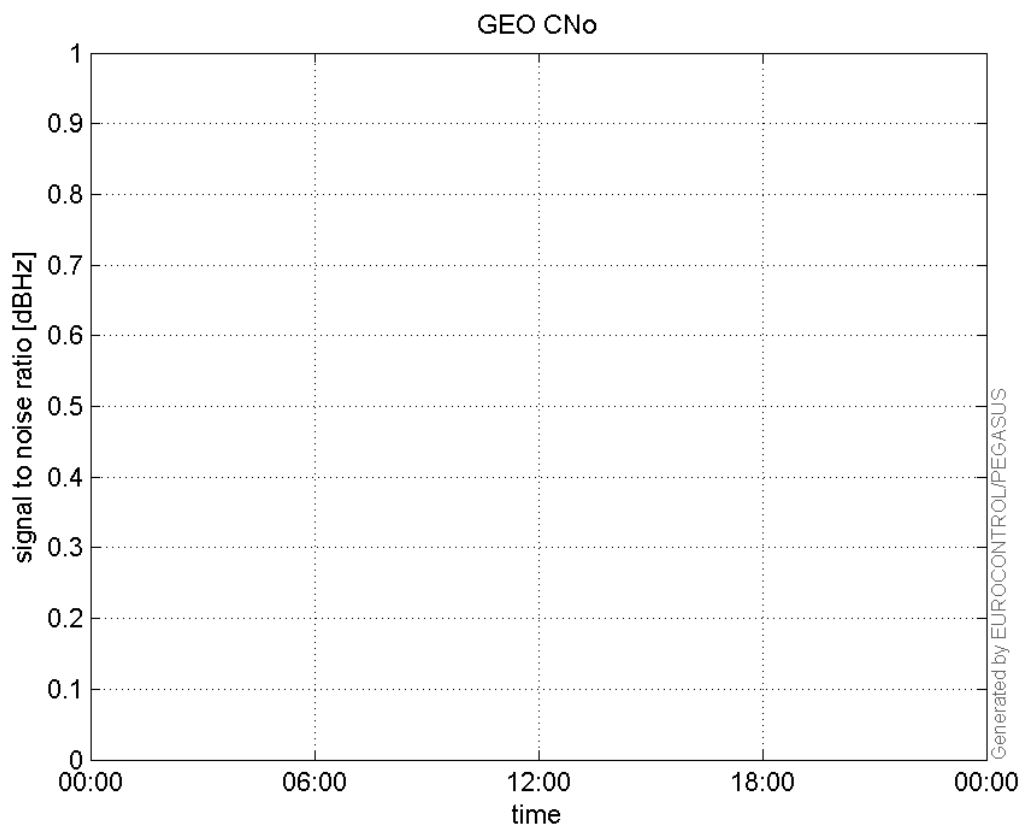
L1 CNo:



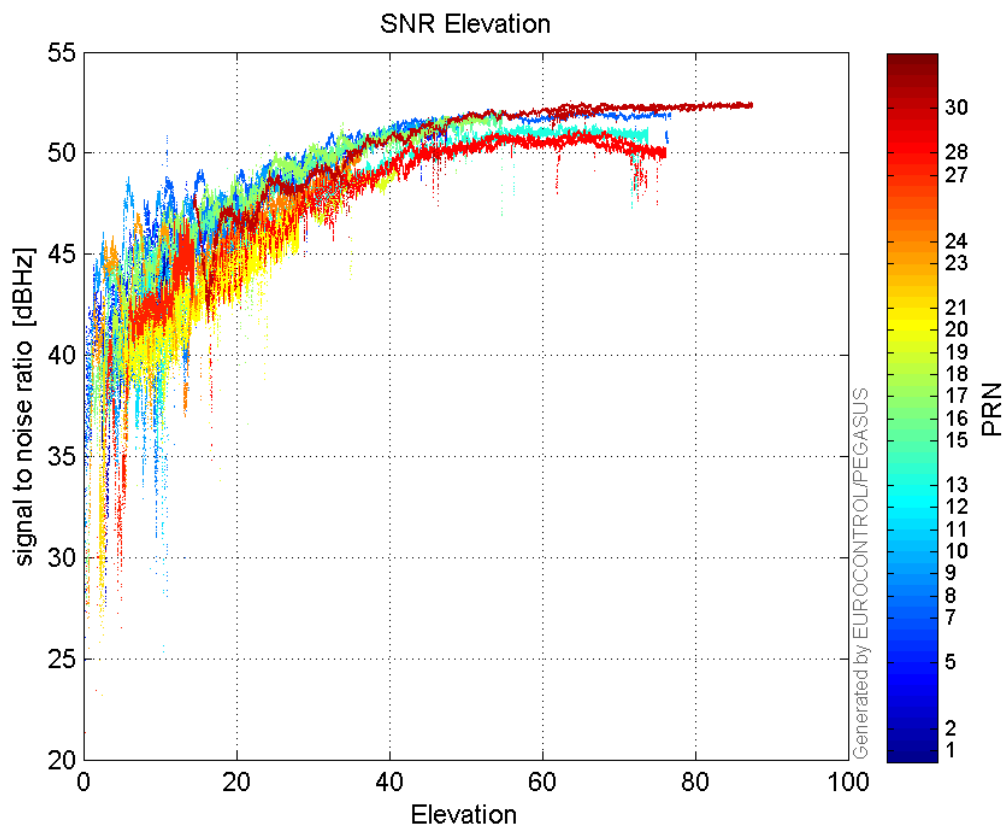
L2 CNo:



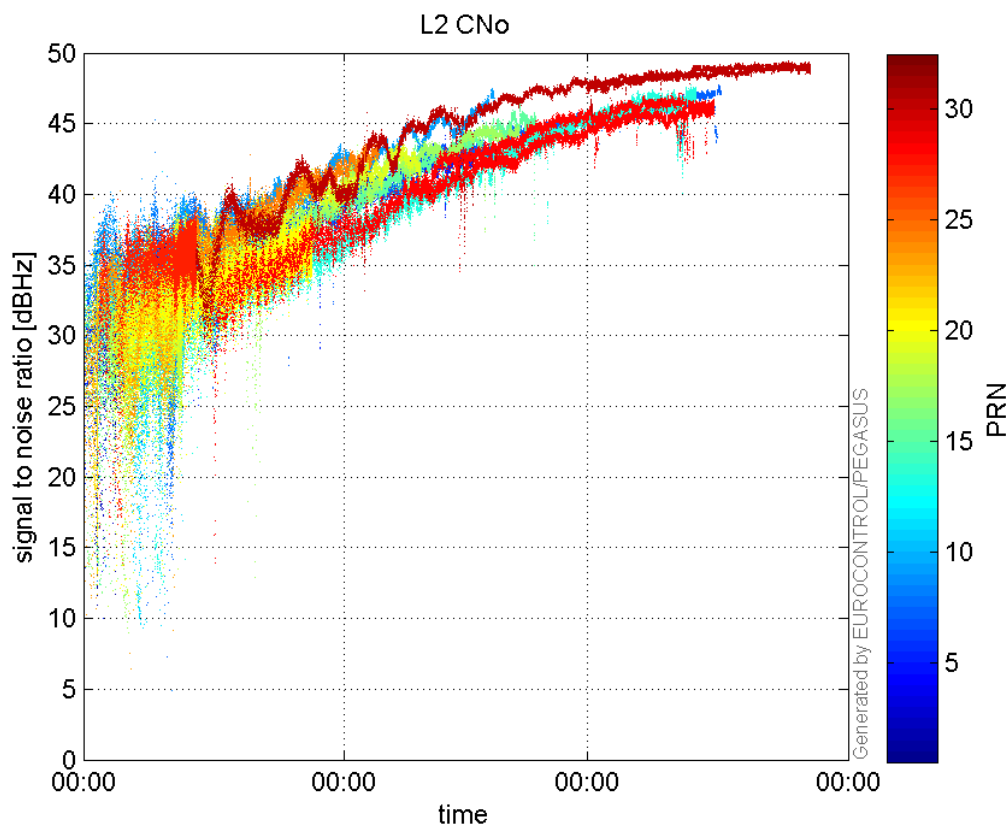
GEO CNo:



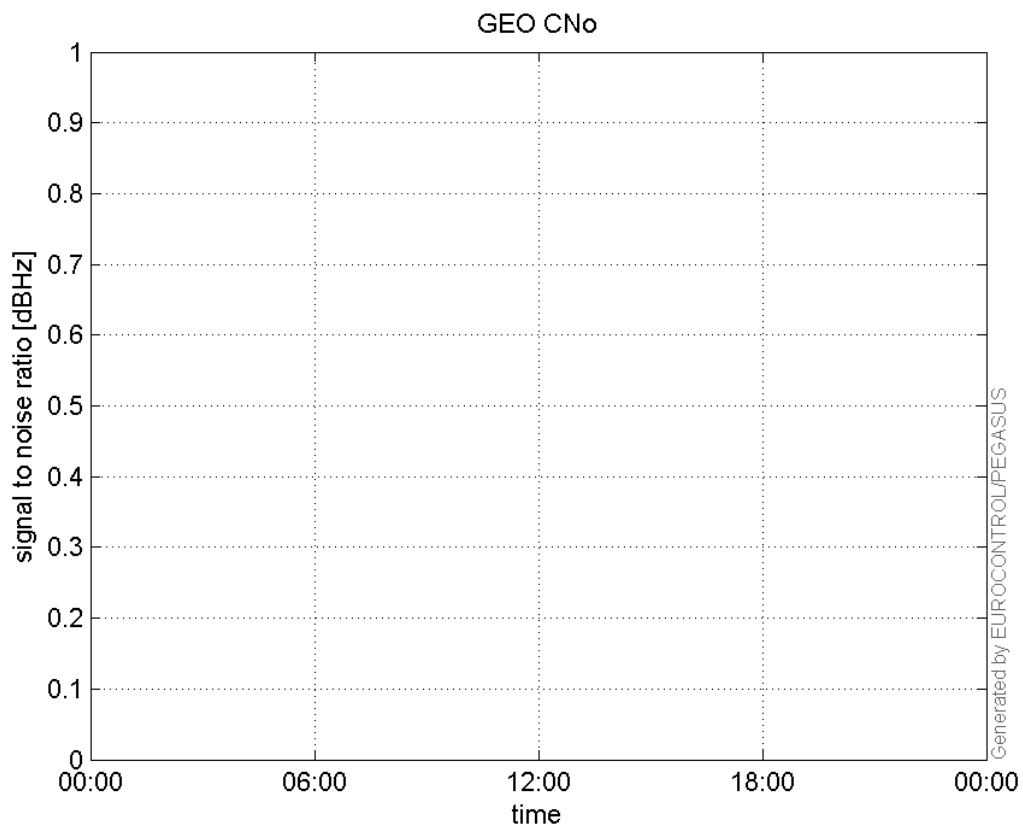
SNR Elevation:



L2 CNo:

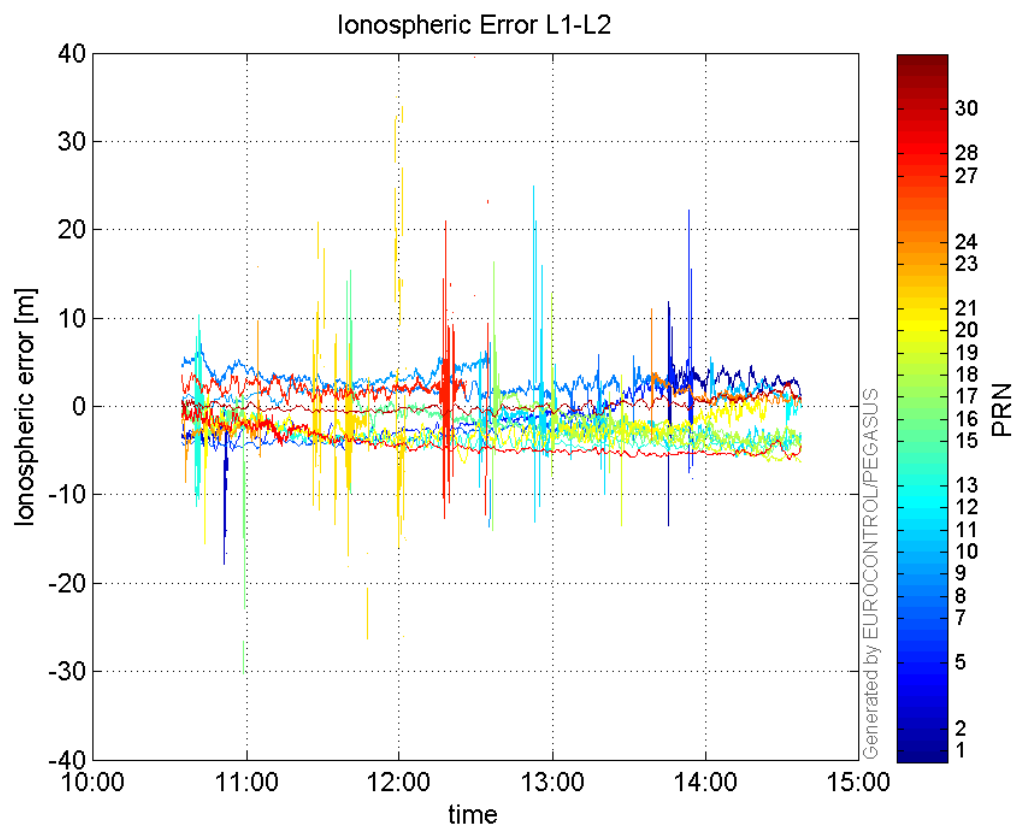


GEO CNo:



dual frequency

Ionospheric Error L1-L2:



Parameters

system

| Name | Section | Value |
|---------------|---------|--|
| name | system | GNSS_Solution |
| version | system | 4.8.4.0 |
| input_prefix | system | D:/PegasusDateJob/job/2017_02_22EGNOS2Hz/02_Convertor/02_Convertor |
| output_prefix | system | D:/PegasusDateJob/job/2017_02_22EGNOS2Hz/03_GNSS_Solution/03_GNSS_Solution_sol |

settings

| Name | Section | Value |
|--------------------------|----------|---------|
| ref_lat | settings | 50.439 |
| ref_lon | settings | 30.4297 |
| ref_alt | settings | 215.271 |
| smoothing | settings | yes |
| smoothing_constant | settings | 100 |
| smoothing_max_gap | settings | 10 |
| smoothing_max_divergence | settings | 3 |
| min_elevation | settings | 5 |
| aad_model | settings | a |
| output_range_file | settings | yes |
| sbas_prn | settings | 120 |
| gnss_mode | settings | sbas |

results

| Name | Section | Value |
|------------|---------|---------|
| init_lat | results | 50.439 |
| init_lon | results | 30.4297 |
| init_alt | results | 228.149 |
| mi_numbers | results | 0 |