

## summary for network NET7

timeperiod chosen: from 2025-04-18-00:00:00 until 2025-04-18-23:59:58

average update rate (durations larger than 15 seconds considered as observation gap): 2.3 seconds

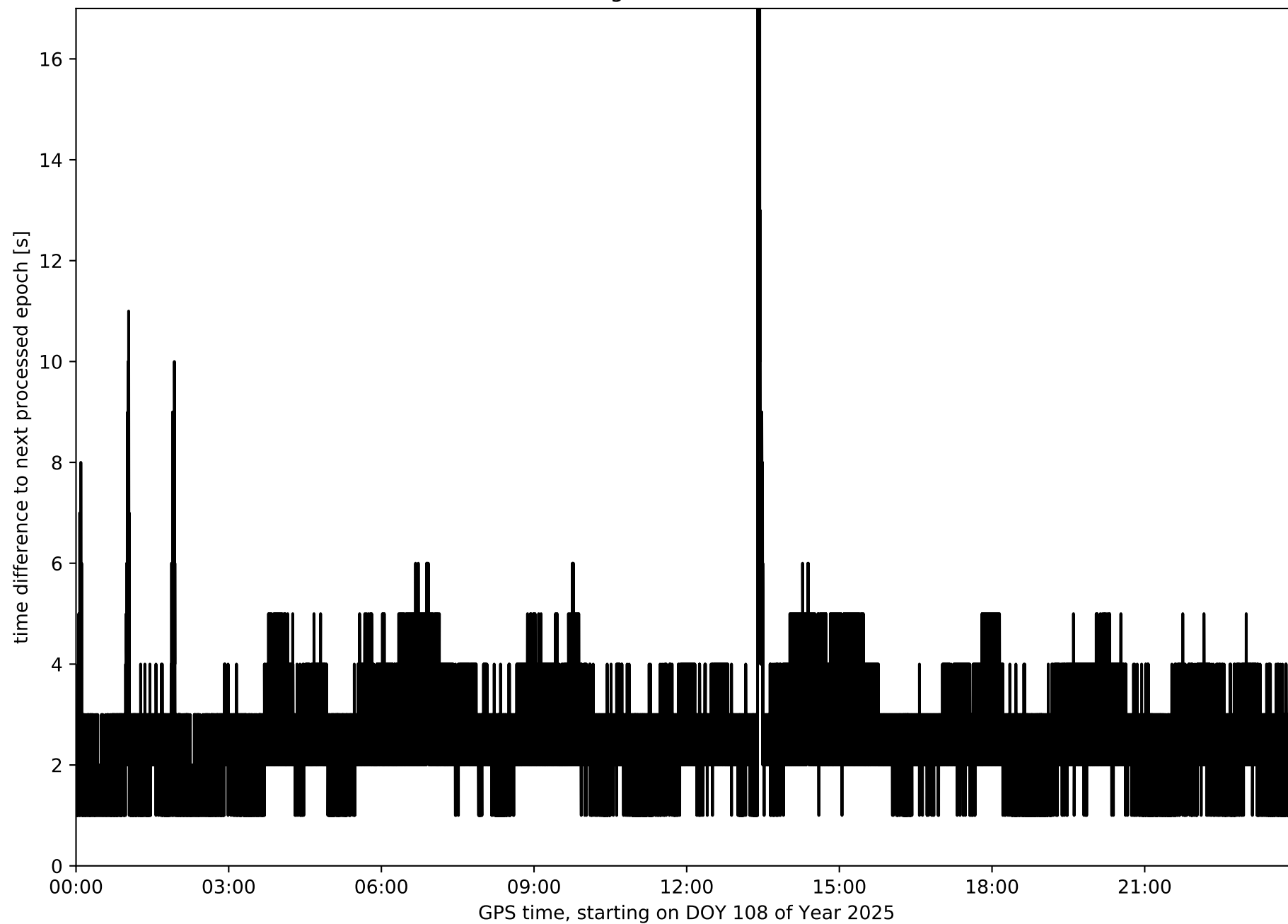
average fixing percentage with threshold set to 0.3: 90.5 percent

stations available: 18 of 18

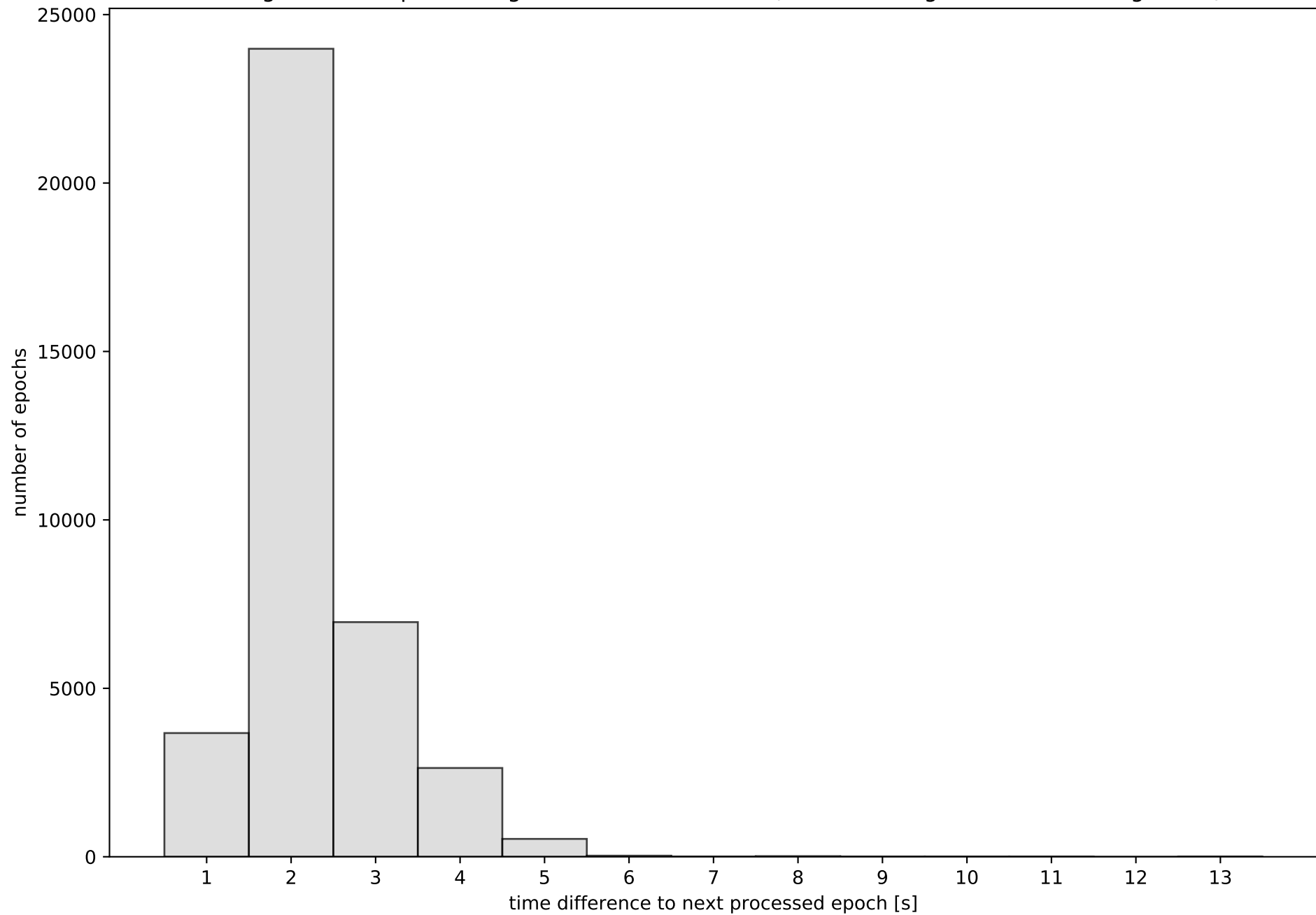
station information:

|               |                         |      |                         |                  |
|---------------|-------------------------|------|-------------------------|------------------|
| station AVL1: | antenna: LEIAR20        | LEIM | receiver: LEICA GR50    | height: 78.448   |
| station CANT: | antenna: LEIAR25.R4     | LEIT | receiver: LEICA GR50    | height: 102.294  |
| station FUDE: | antenna: TRM59900.00    | SCIS | receiver: TRIMBLE NETR9 | height: 1903.209 |
| station LARE: | antenna: GPPNULLANTENNA | NONE | receiver: LEICA GR50    | height: 65.068   |
| station LENA: | antenna: TPSCR.G5C      | TPSH | receiver: TPS NET-G5    | height: 382.176  |
| station LEON: | antenna: LEIAR25        | NONE | receiver: LEICA GR50    | height: 970.294  |
| station MDPM: | antenna: GPPNULLANTENNA | NONE | receiver: LEICA GR50    | height: 658.901  |
| station MIBR: | antenna: LEIAR25        | LEIT | receiver: TRIMBLE NETR9 | height: 526.687  |
| station RENS: | antenna: GPPNULLANTENNA | NONE | receiver: LEICA GR50    | height: 908.687  |
| station RIAN: | antenna: GPPNULLANTENNA | NONE | receiver: LEICA GR50    | height: 1209.255 |
| station RIBE: | antenna: LEIAR20        | LEIM | receiver: LEICA GR50    | height: 69.646   |
| station RNAN: | antenna: GPPNULLANTENNA | NONE | receiver: LEICA GR50    | height: 587.162  |
| station SALS: | antenna: TPSCR.G5       | TPSH | receiver: TPS NET-G5    | height: 294.418  |
| station TRLV: | antenna: GPPNULLANTENNA | NONE | receiver: LEICA GR30    | height: 79.815   |
| station VBLO: | antenna: LEIAR20        | LEIM | receiver: LEICA GR50    | height: 1056.603 |
| station VCRD: | antenna: GPPNULLANTENNA | NONE | receiver: LEICA GR50    | height: 256.934  |
| station VDGO: | antenna: LEIAR20        | LEIM | receiver: LEICA GR50    | height: 906.145  |
| station XIXO: | antenna: LEIAR20        | LEIM | receiver: LEICA GR50    | height: 156.56   |

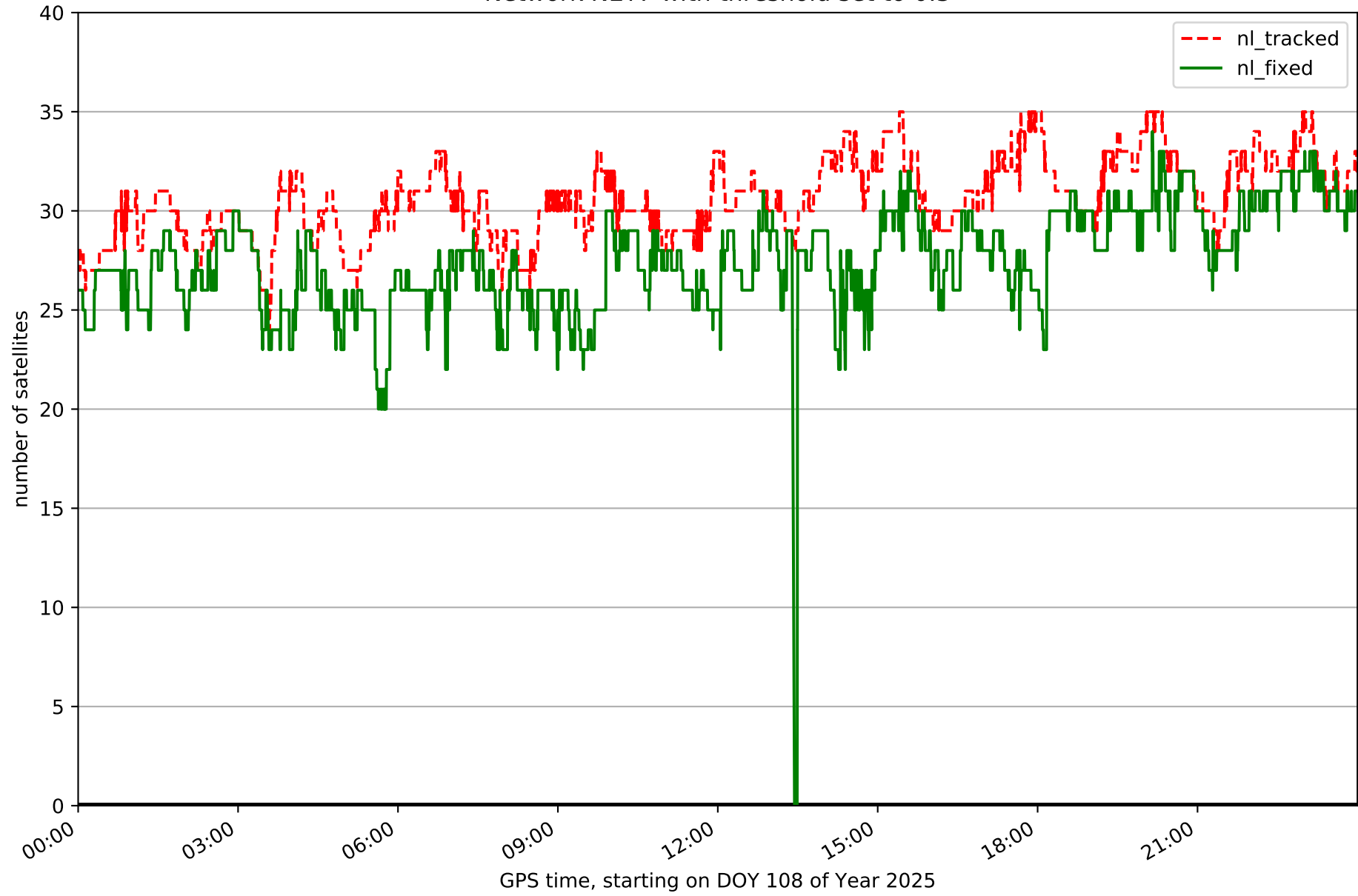
Processing rate in network NET7



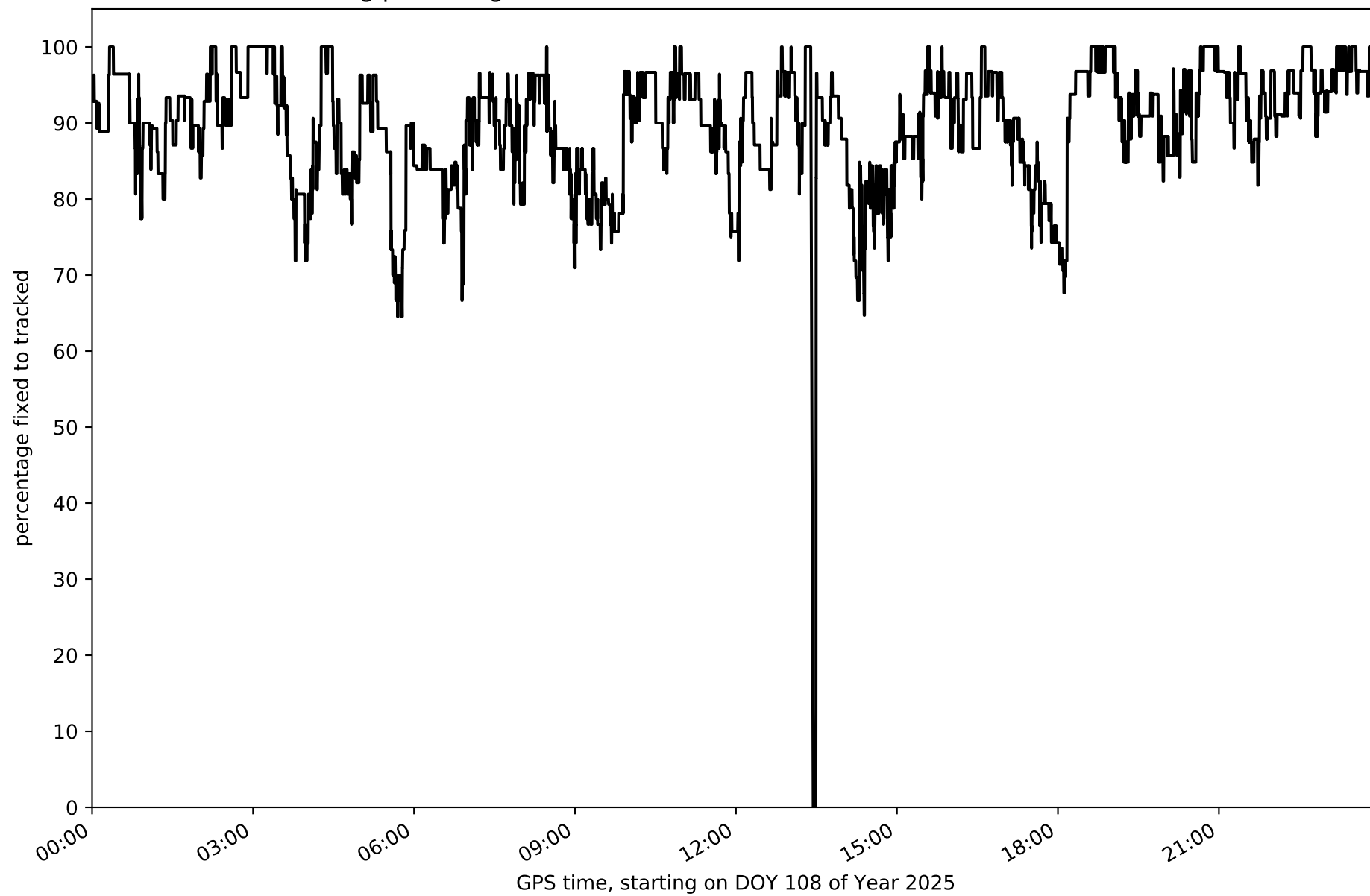
Histogram of the processing rate in network NET7 (durations larger 15 seconds neglected)



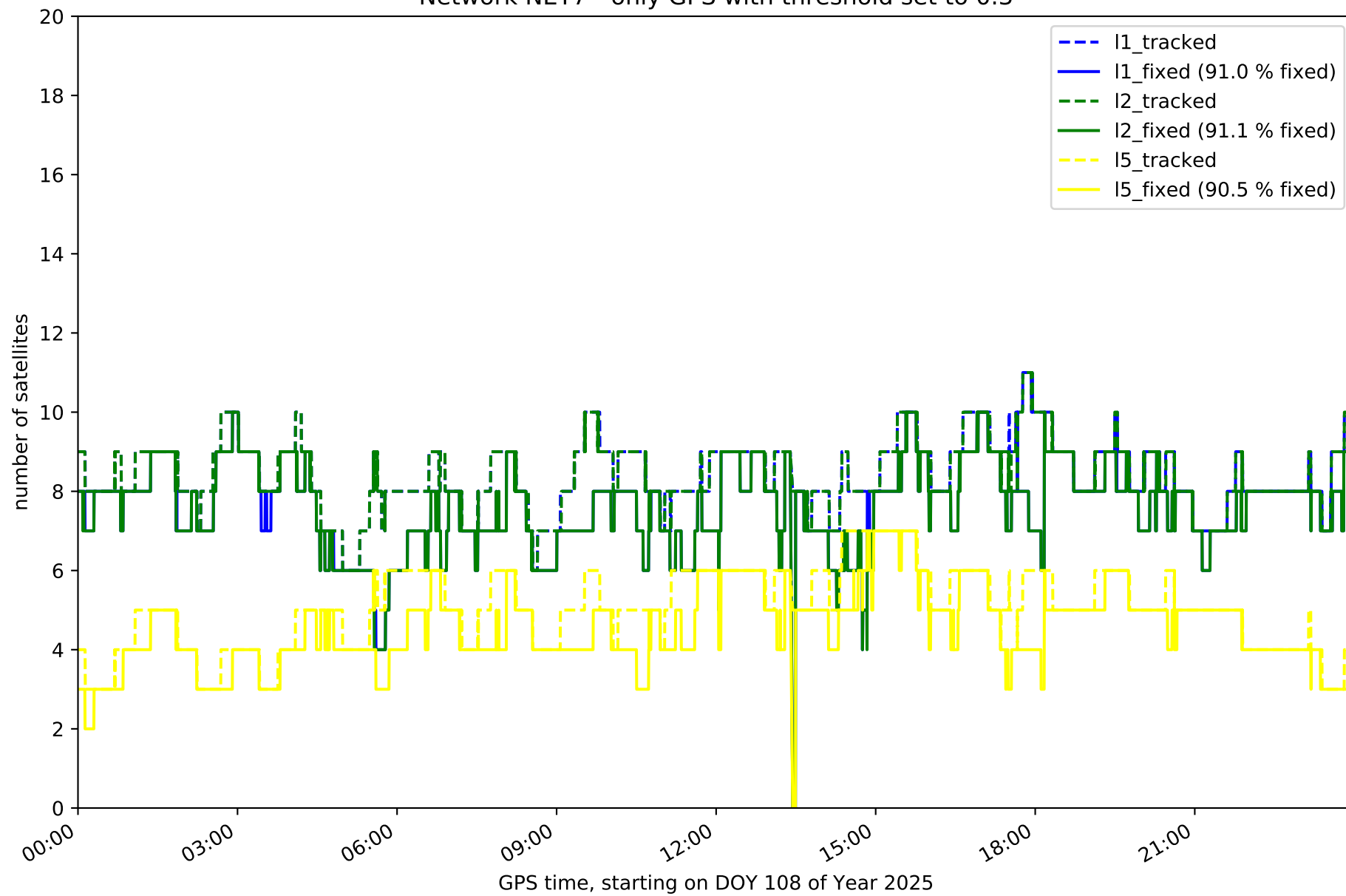
Network NET7 with threshold set to 0.3



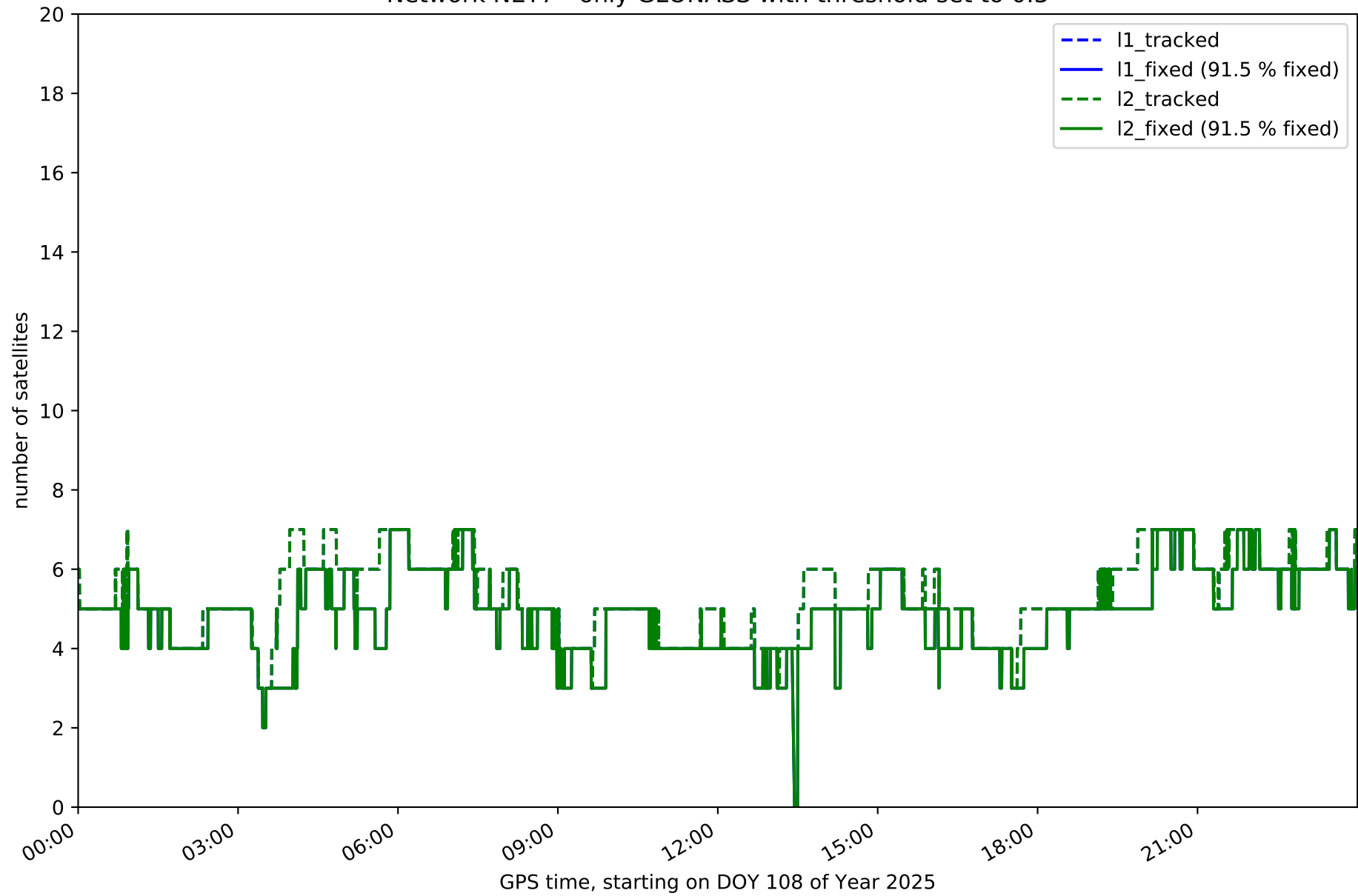
Fixing percentage of satellites in network NET7 with threshold set to 0.3



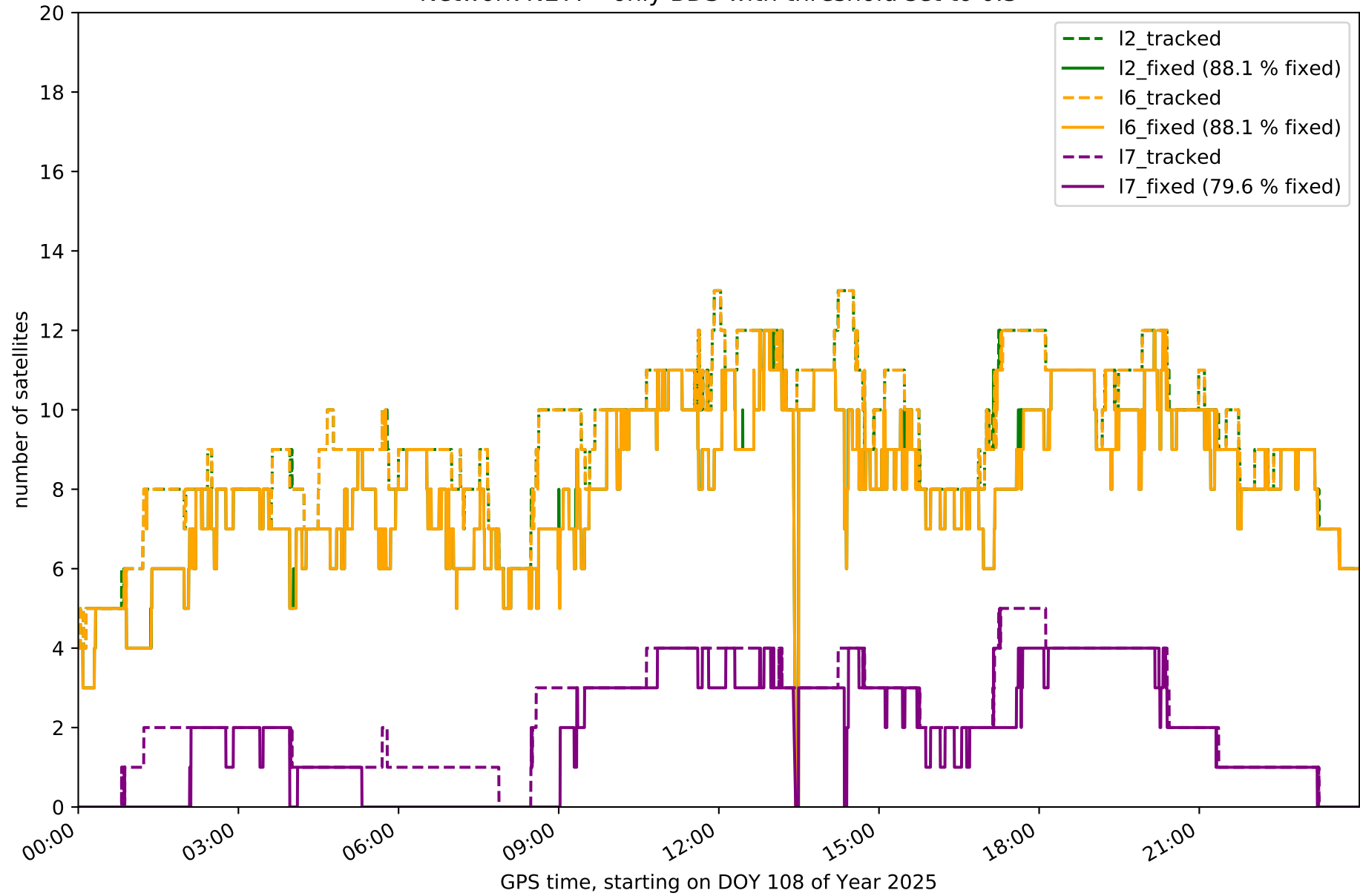
Network NET7 - only GPS with threshold set to 0.3



Network NET7 - only GLONASS with threshold set to 0.3

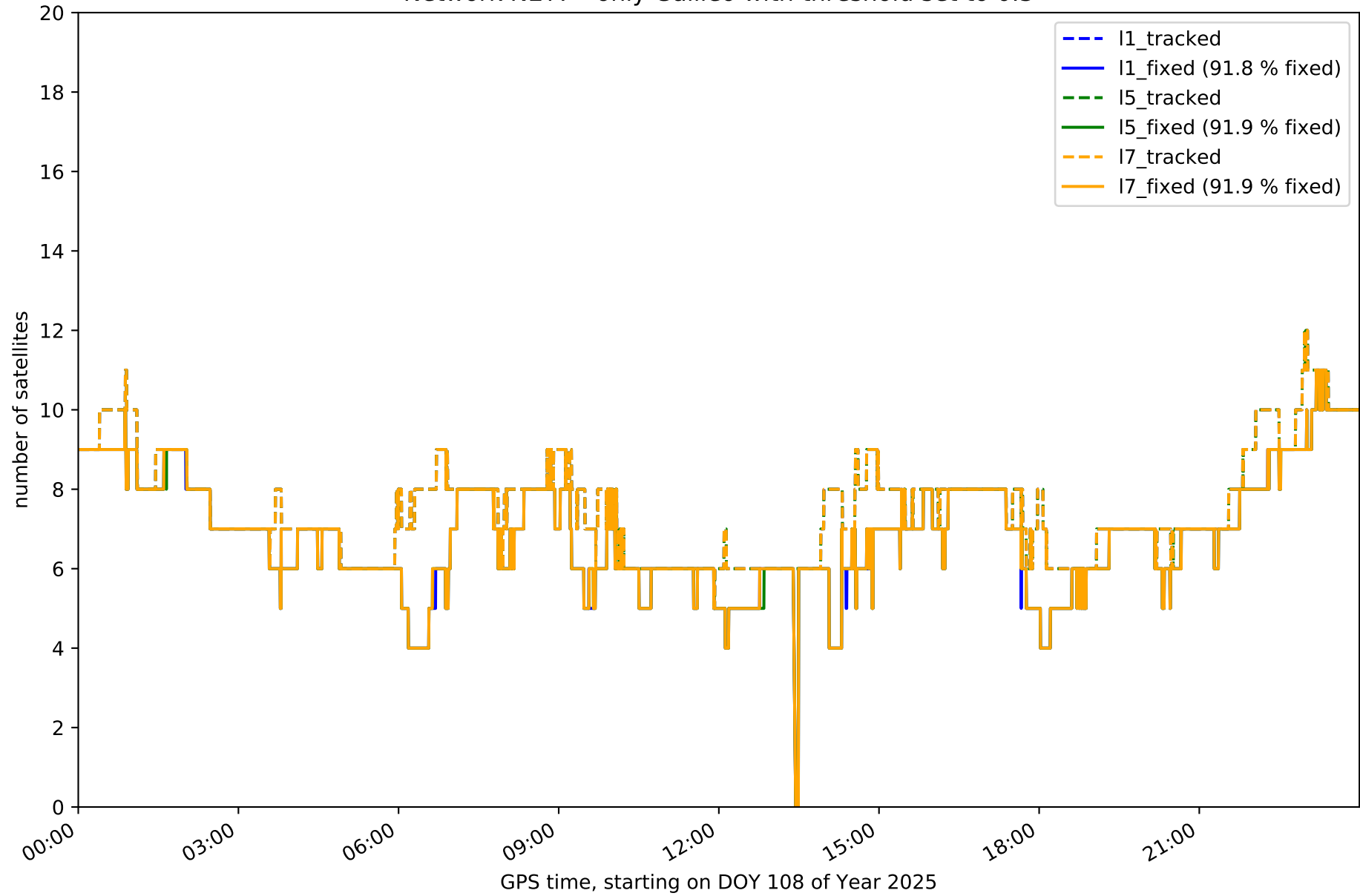


Network NET7 - only BDS with threshold set to 0.3

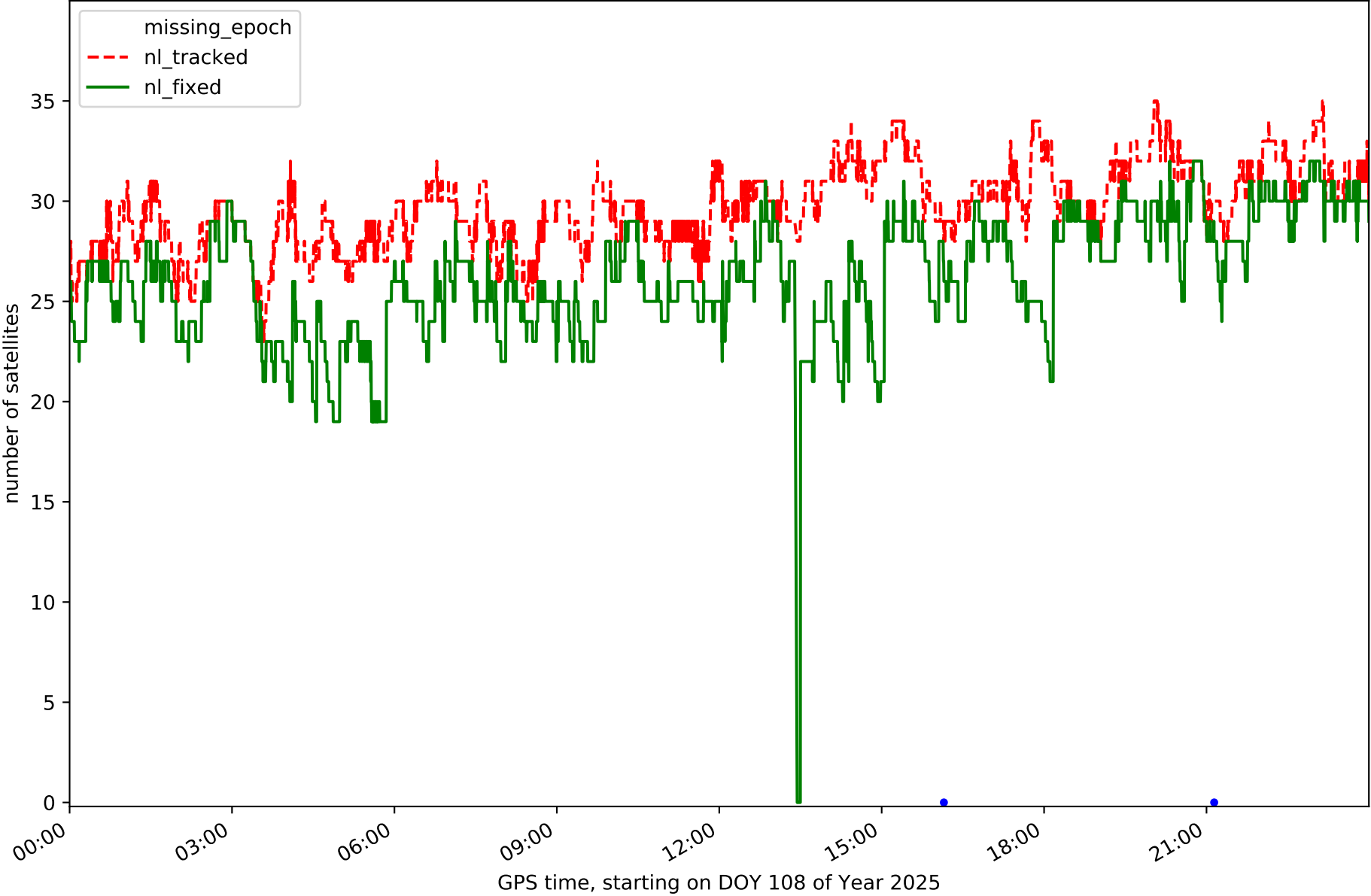




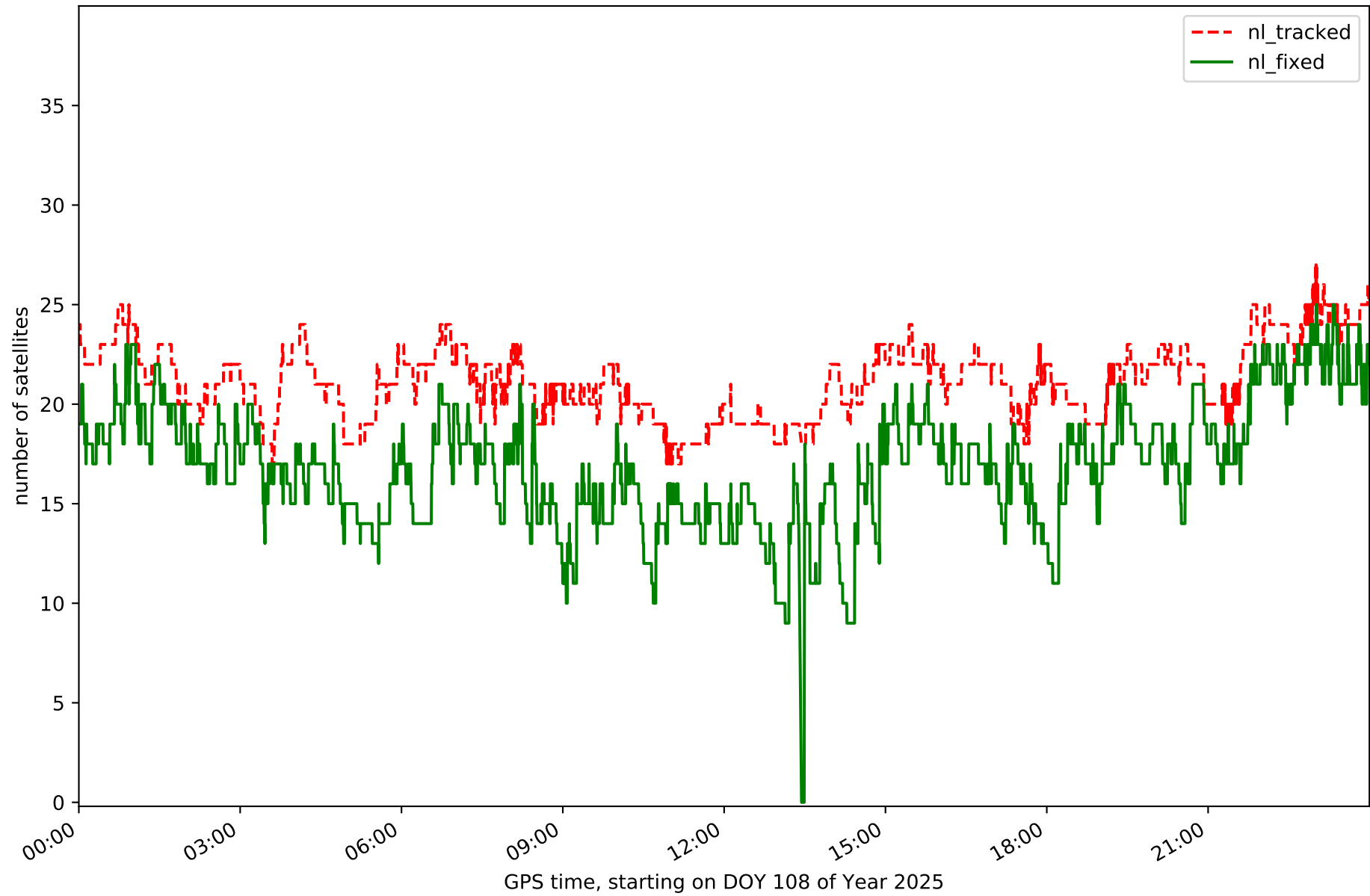
Network NET7 - only Galileo with threshold set to 0.3



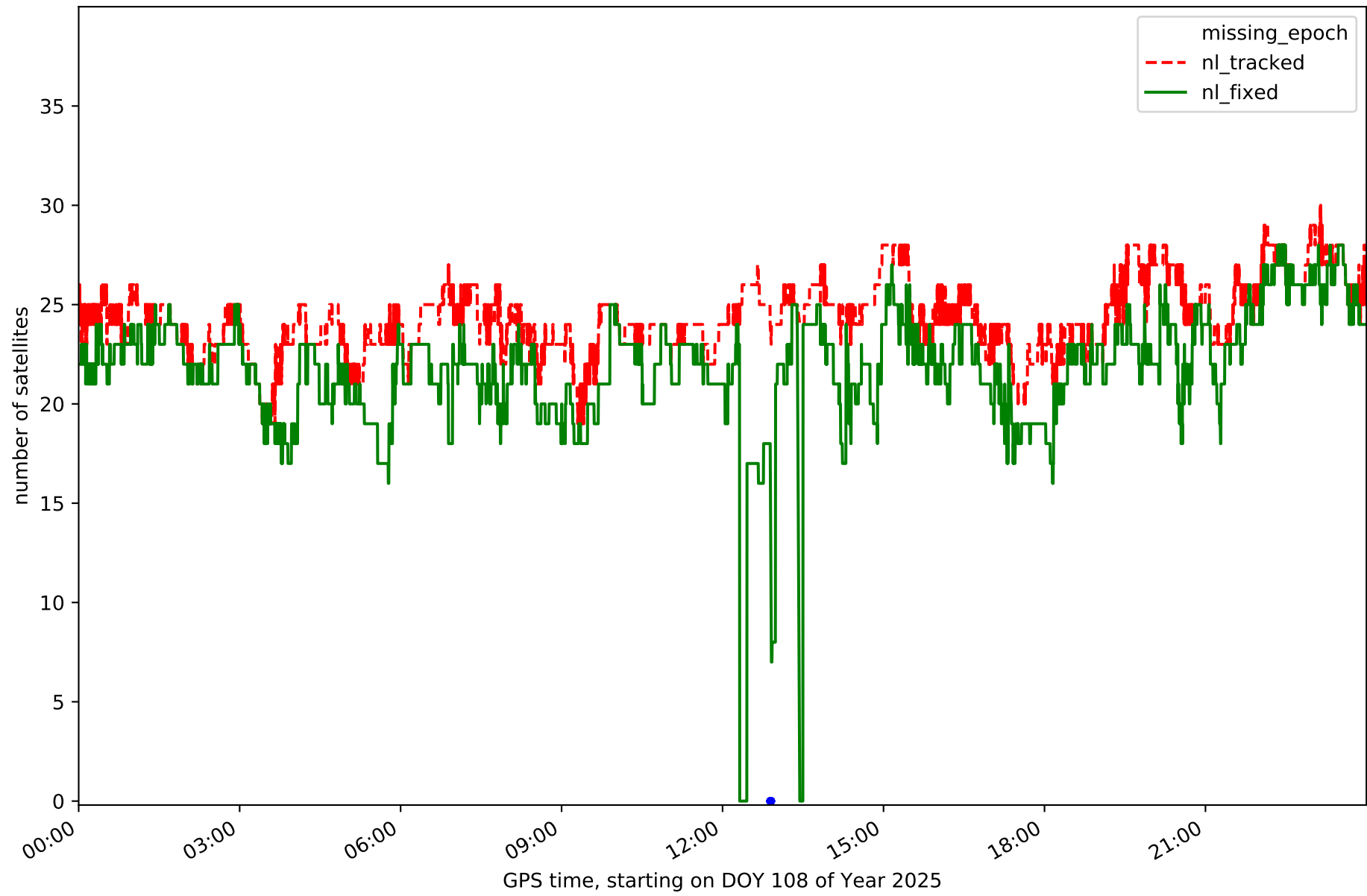
Station AVL1 in network NET7



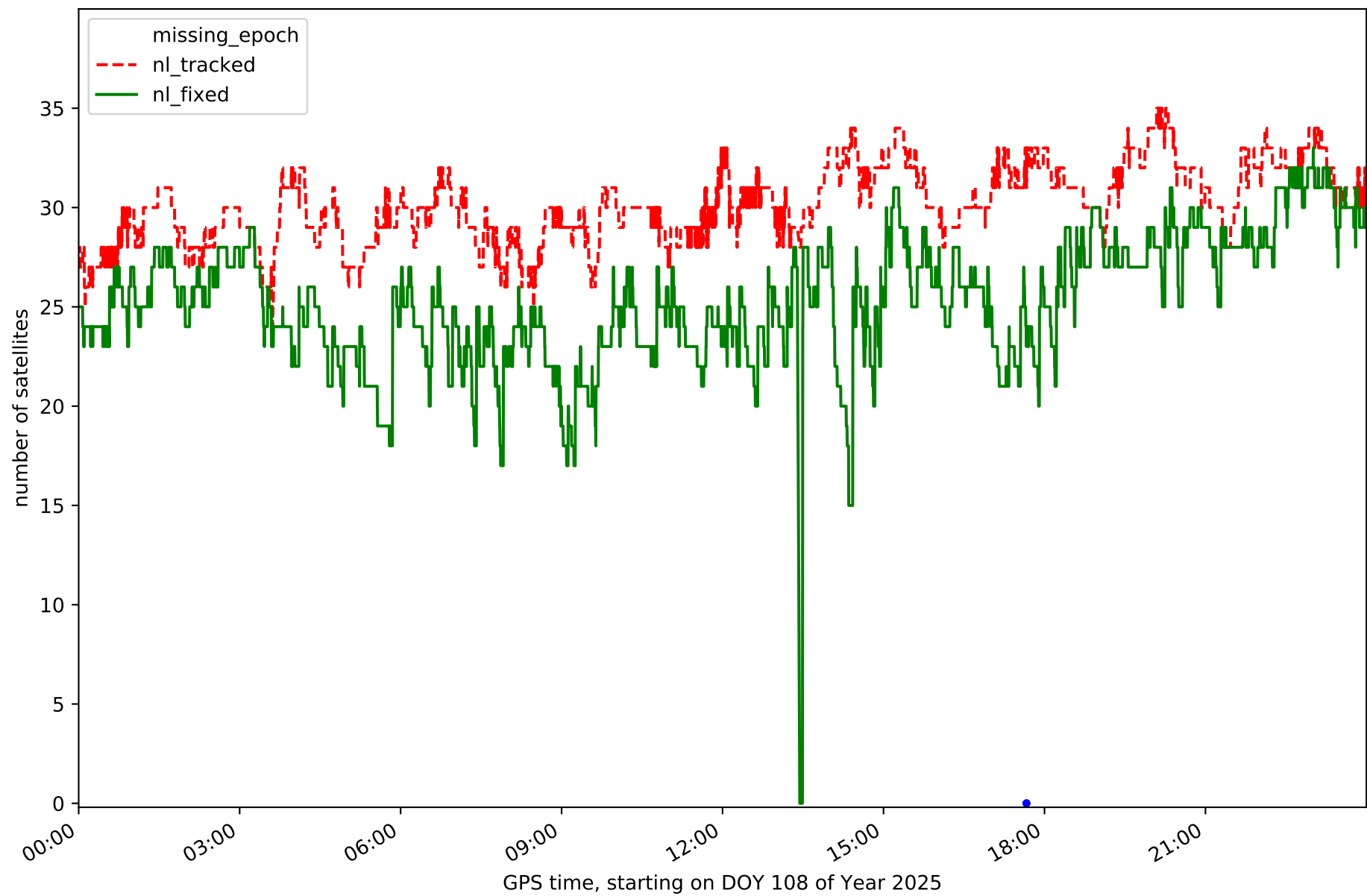
Station CANT in network NET7



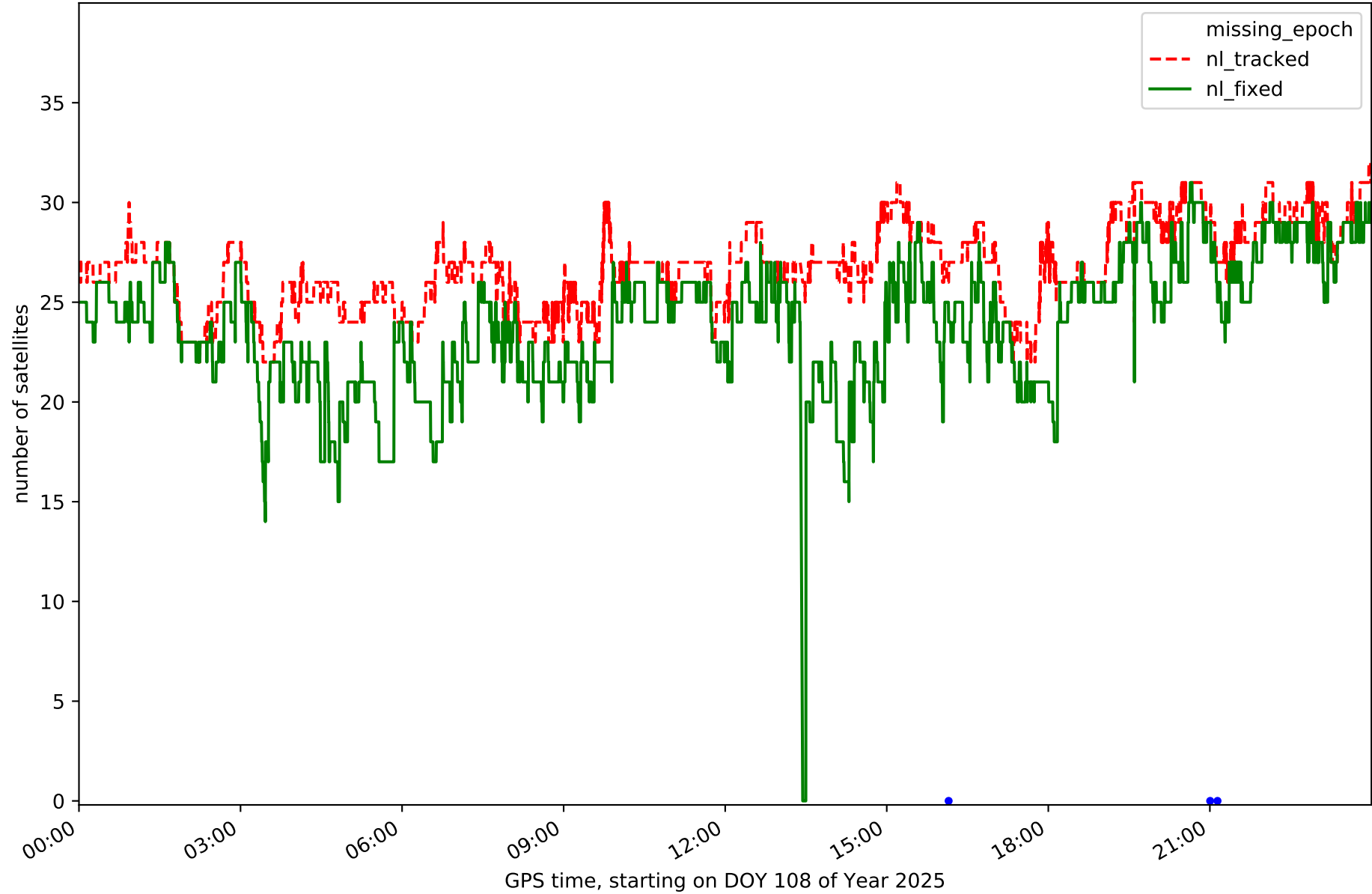
Station FUDE in network NET7



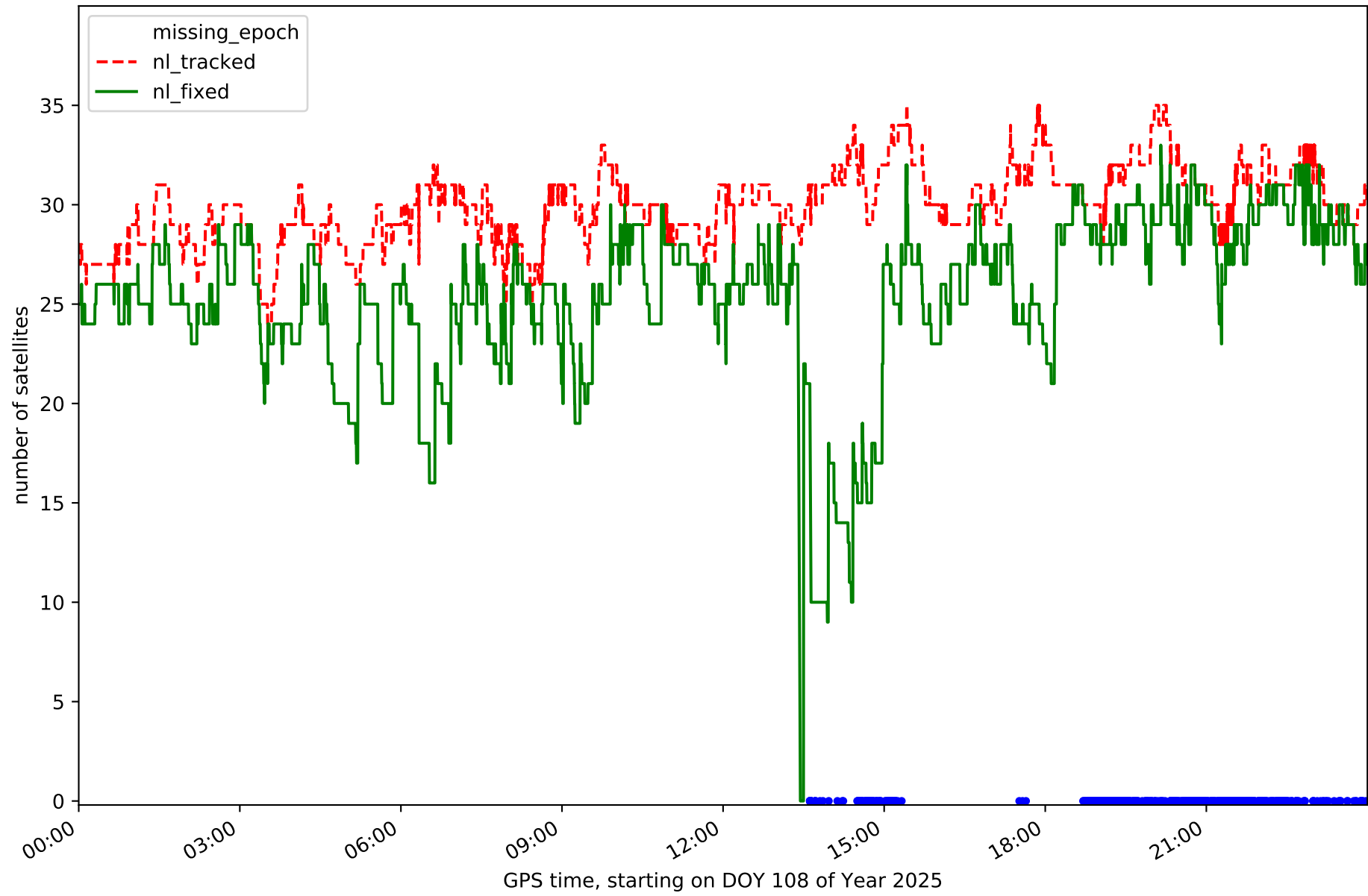
Station LARE in network NET7



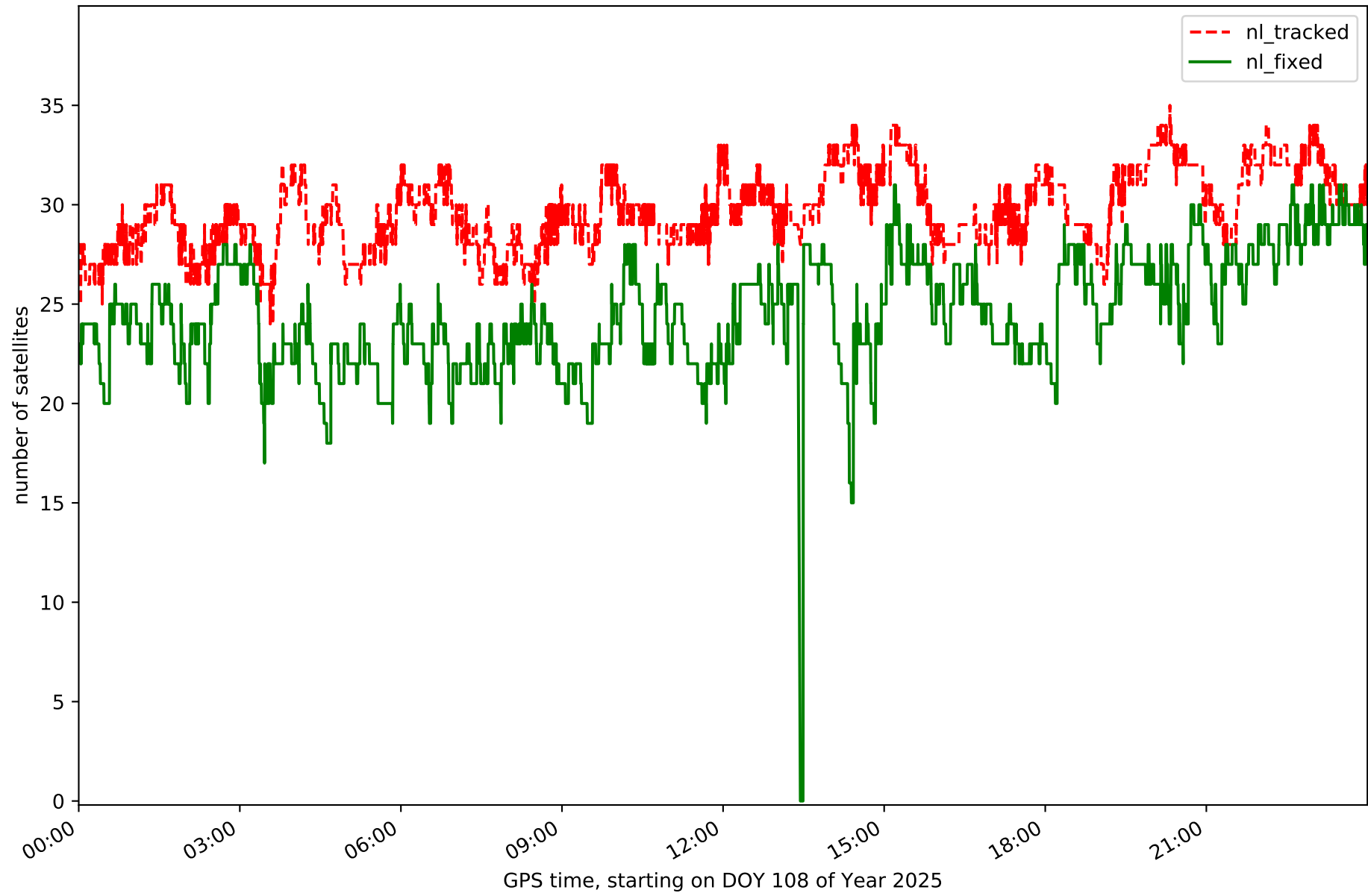
Station LENA in network NET7



Station LEON in network NET7

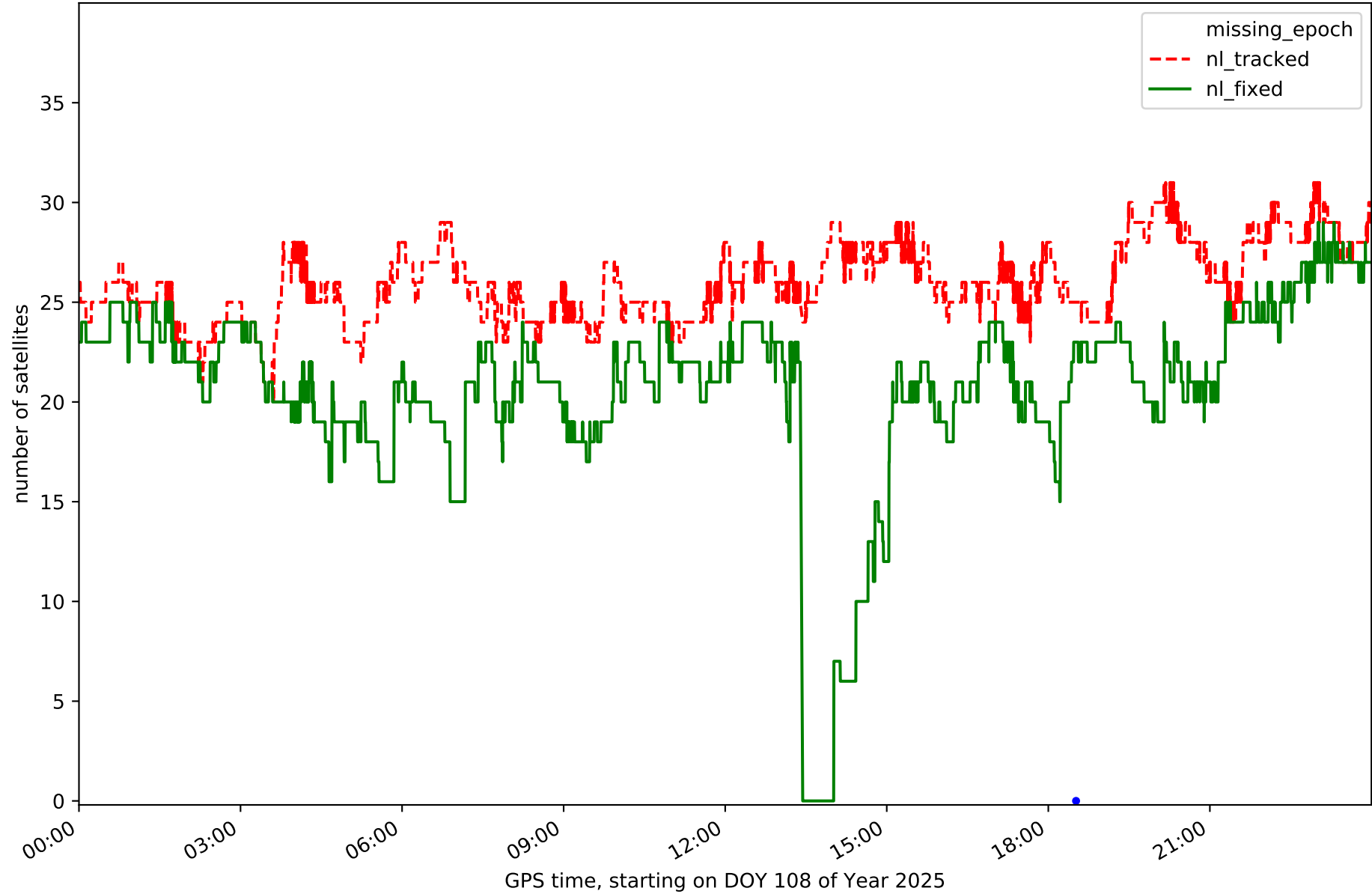


Station MDPM in network NET7

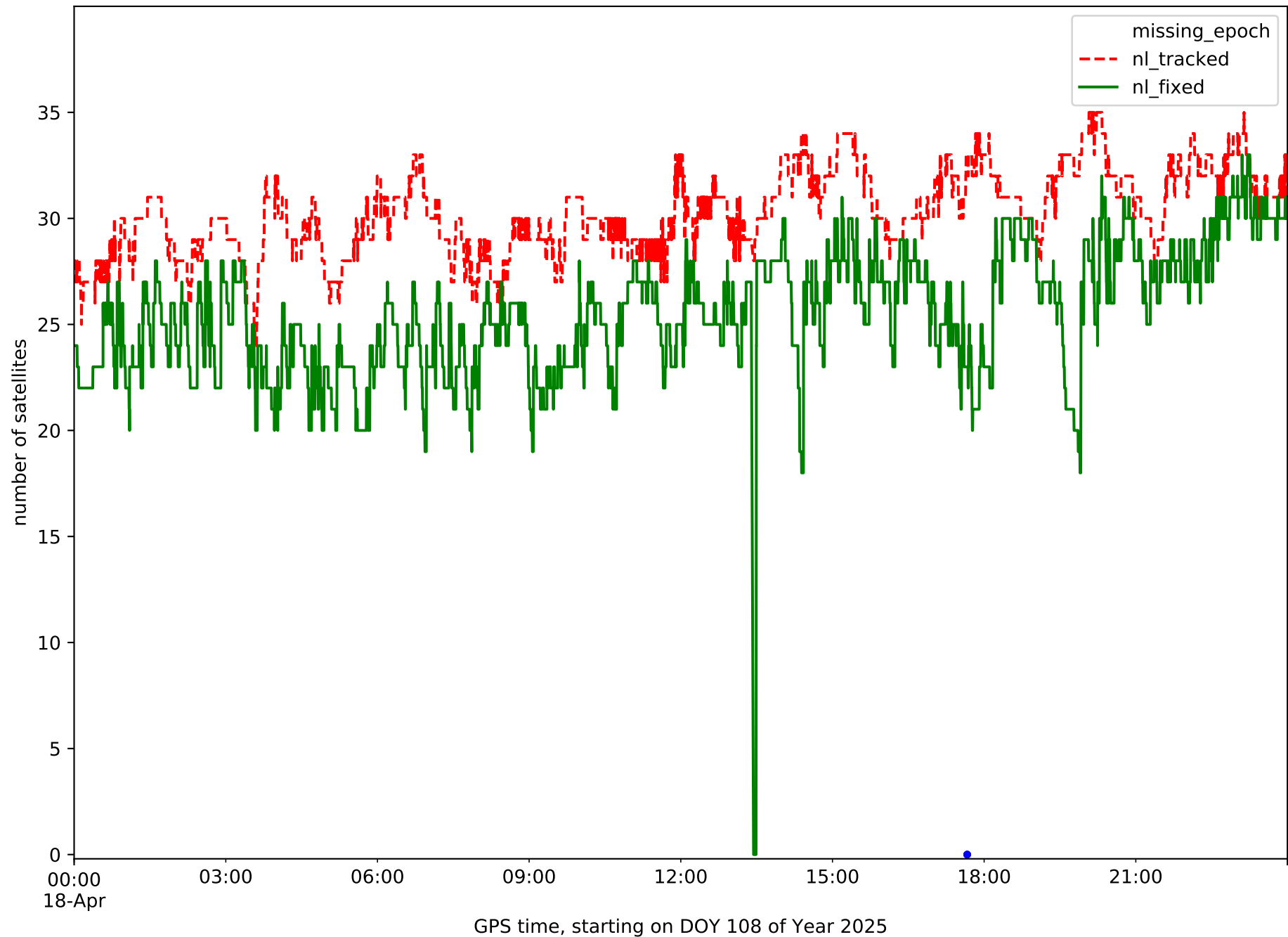




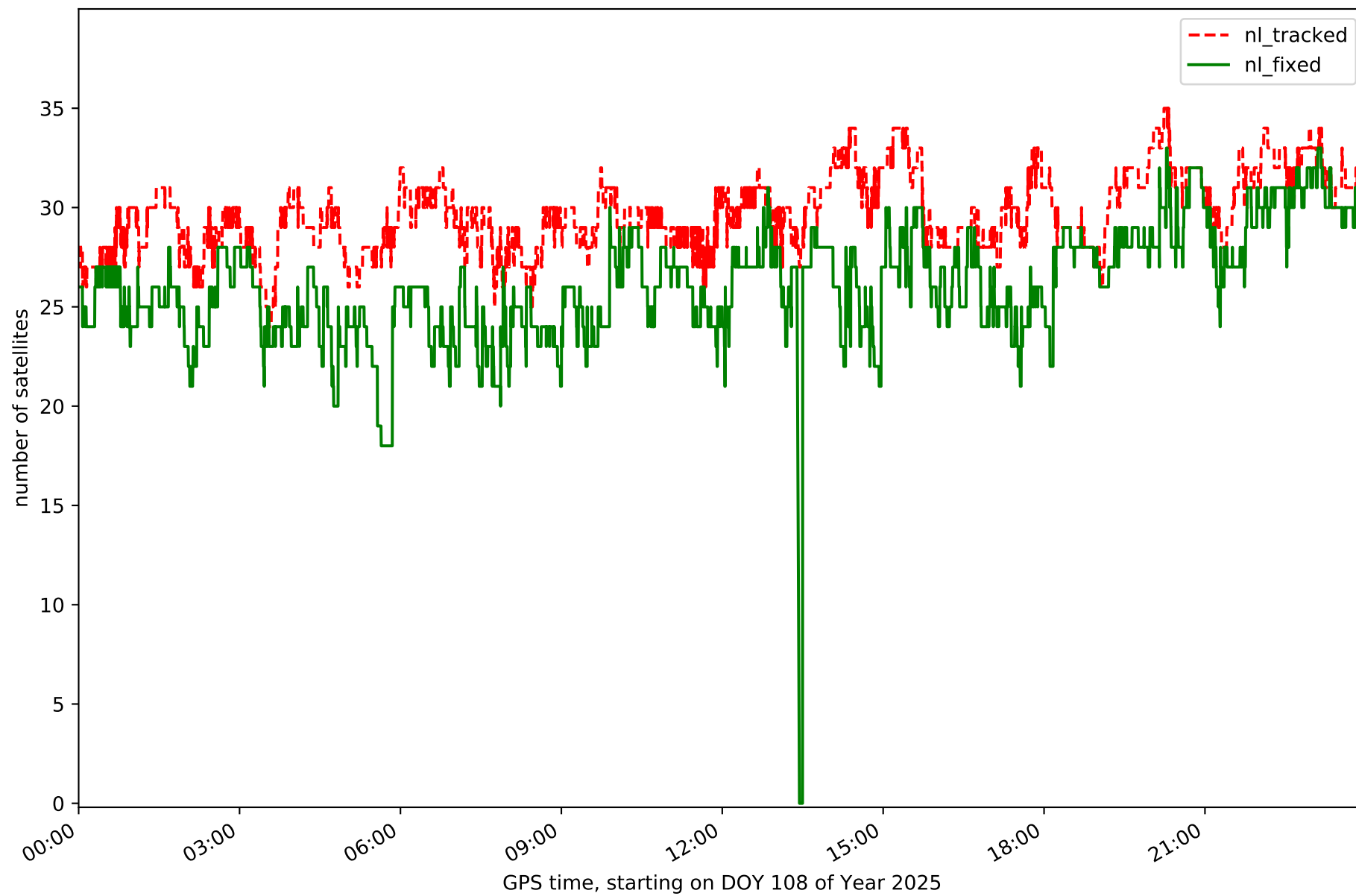
Station MIBR in network NET7



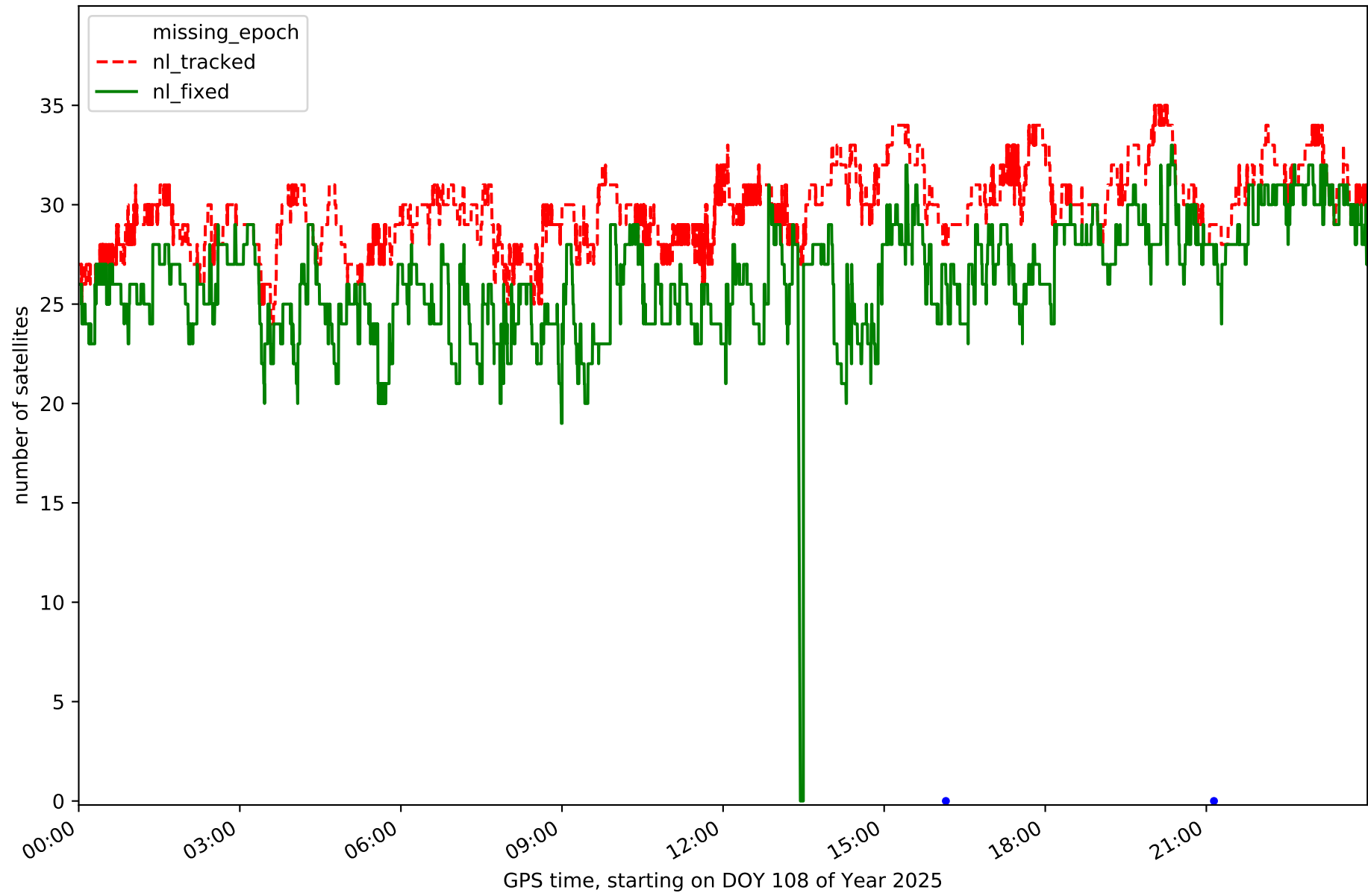
Station RENS in network NET7



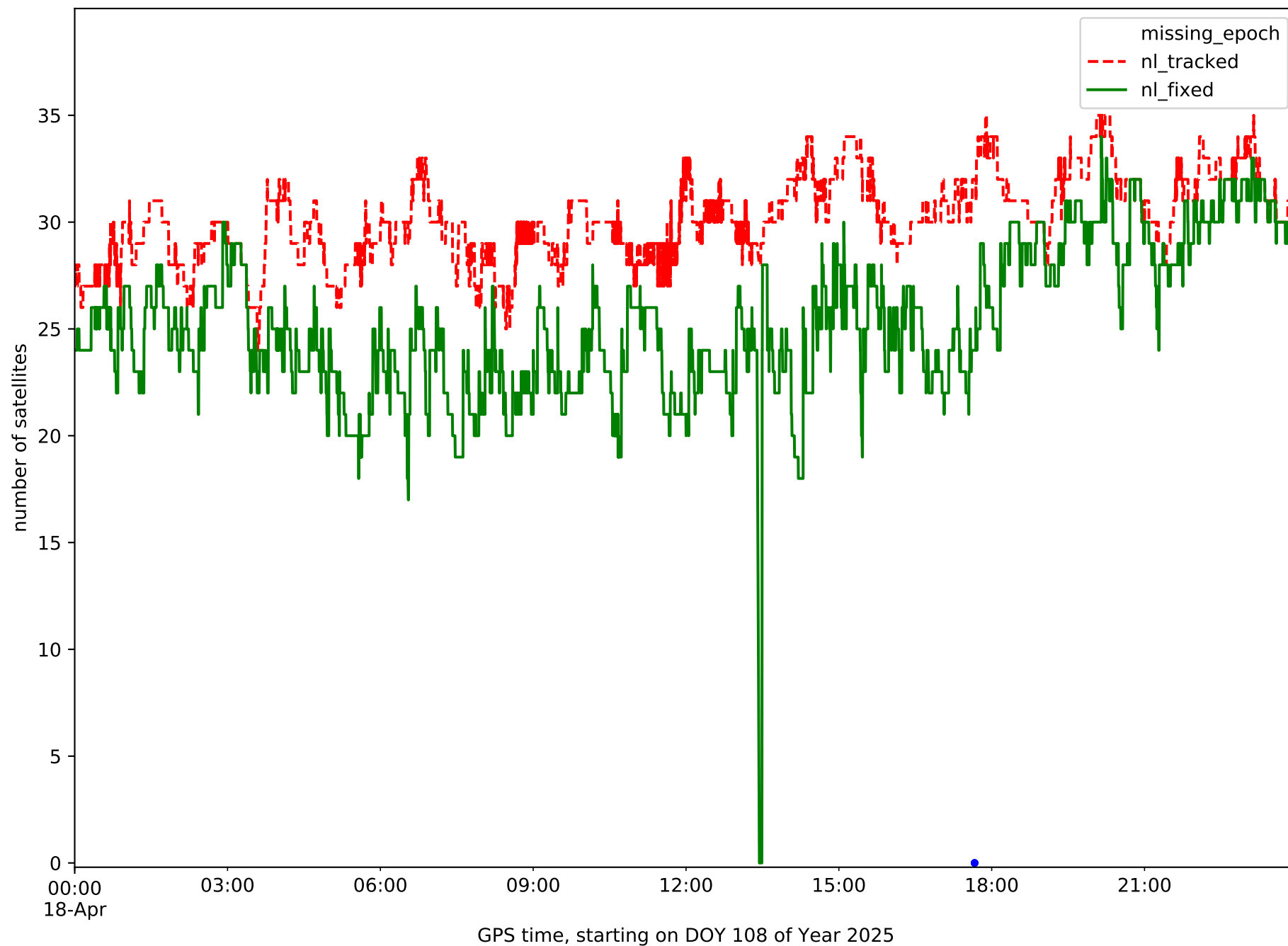
Station RIAN in network NET7



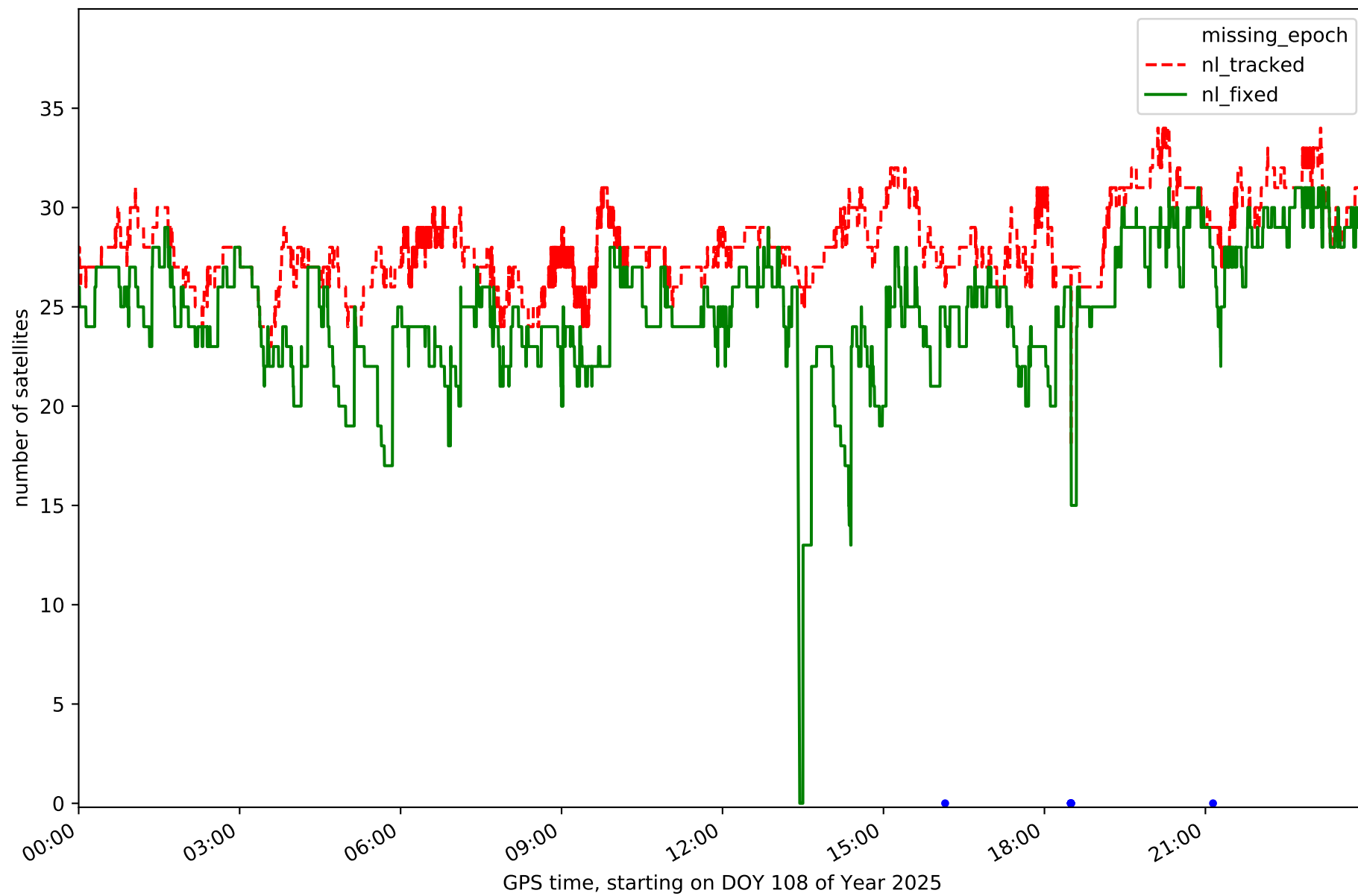
Station RIBE in network NET7



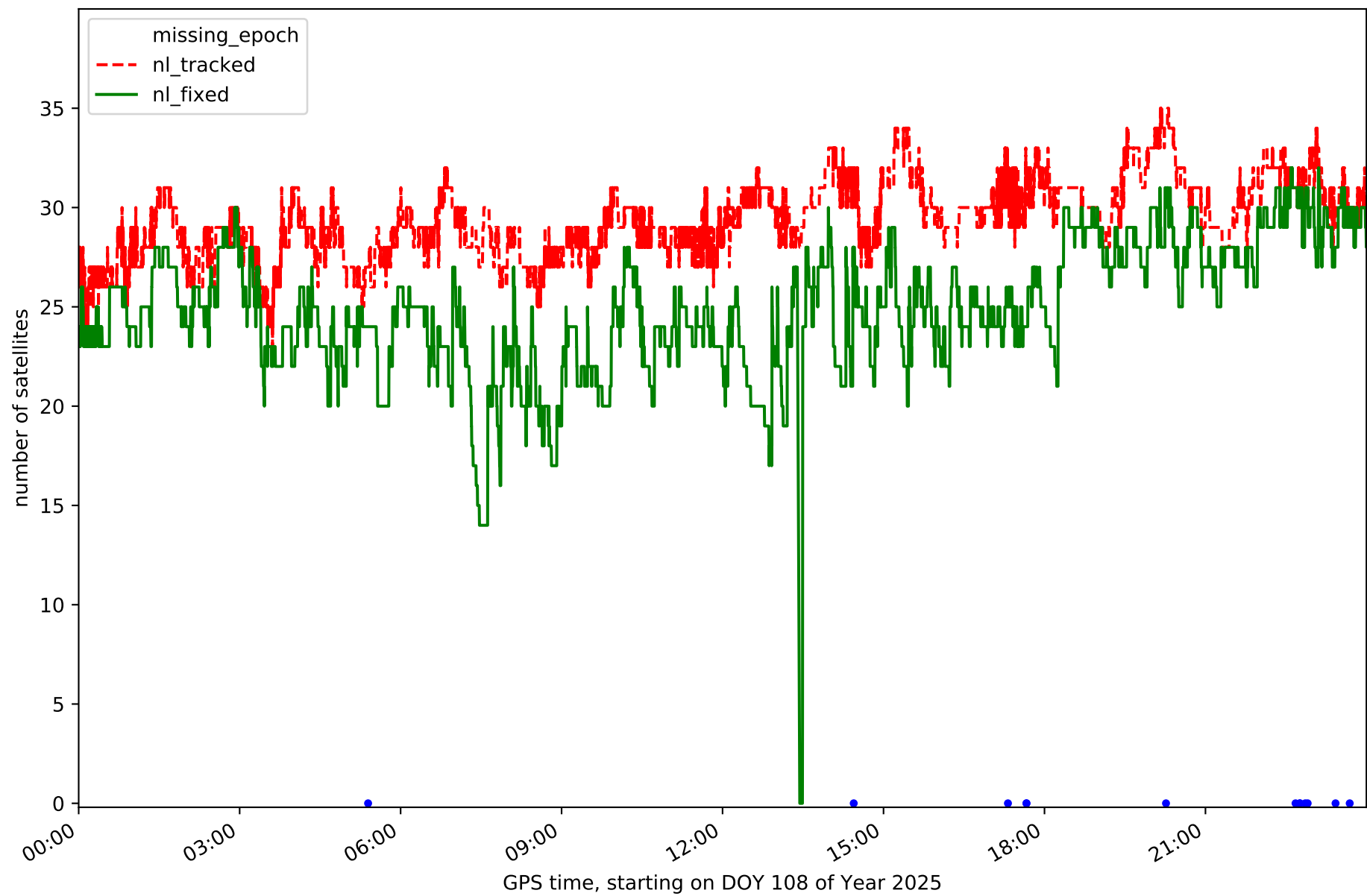
Station RNAN in network NET7



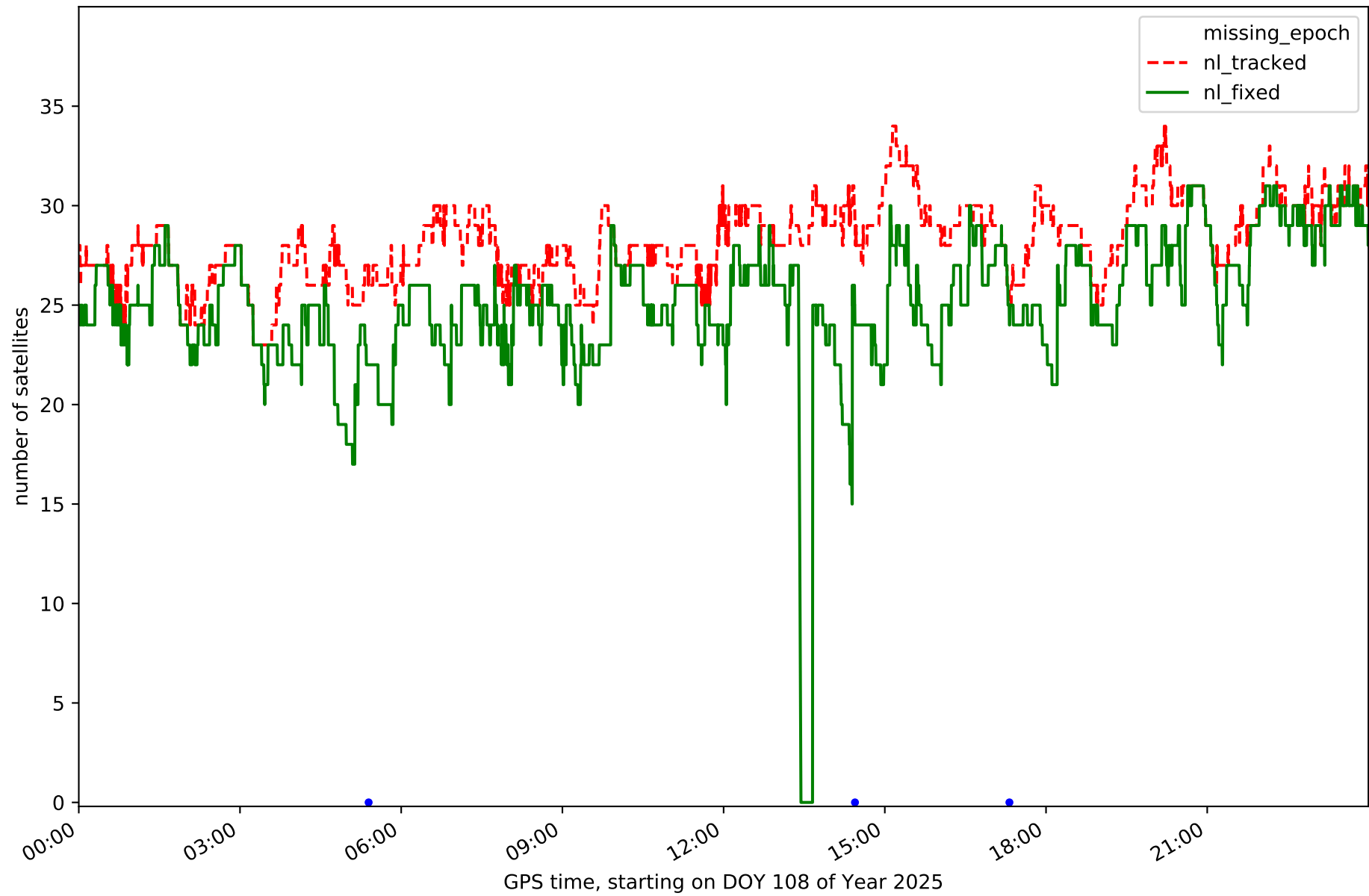
Station SALS in network NET7



Station TRLV in network NET7

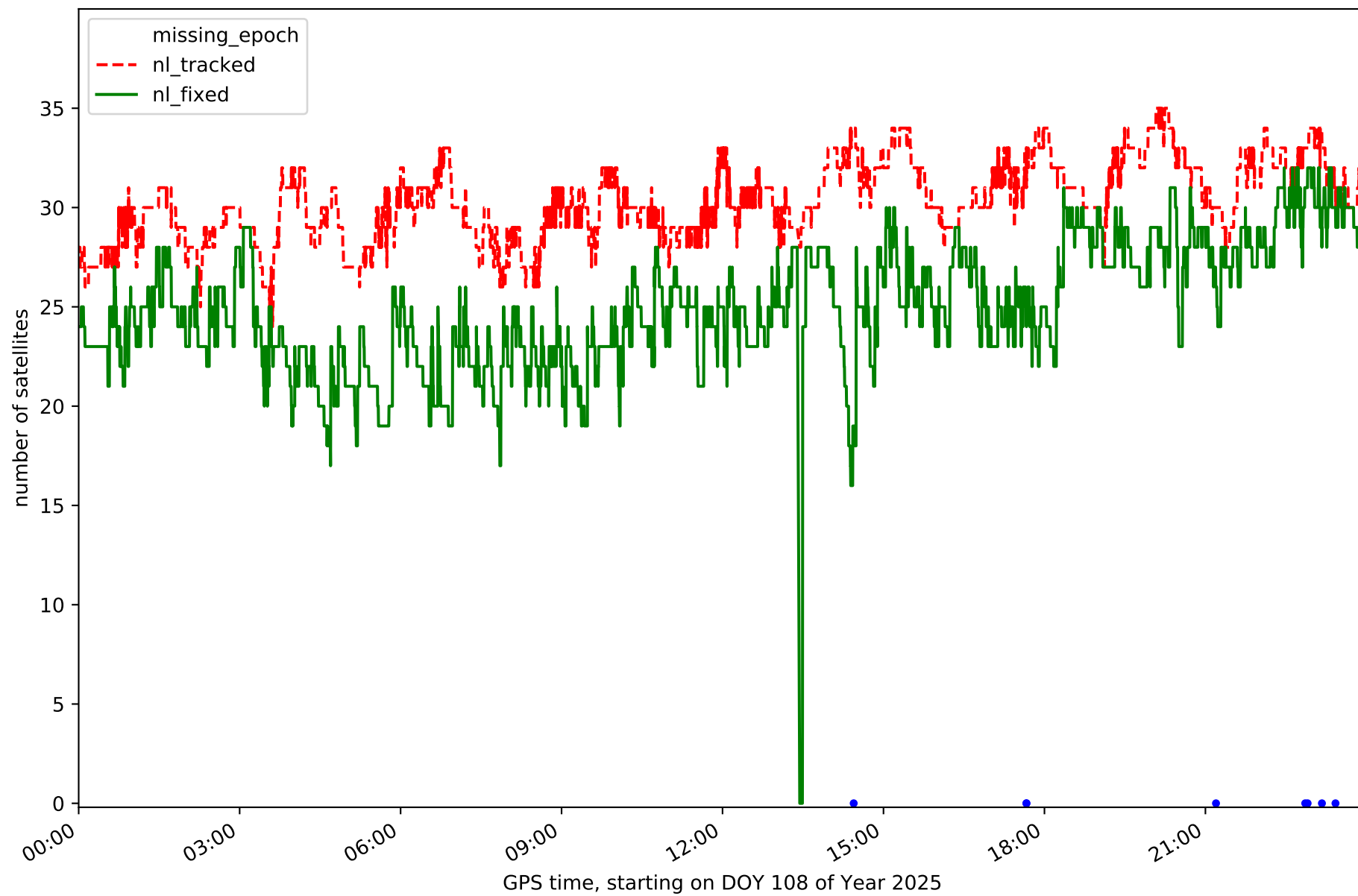


Station VBLO in network NET7

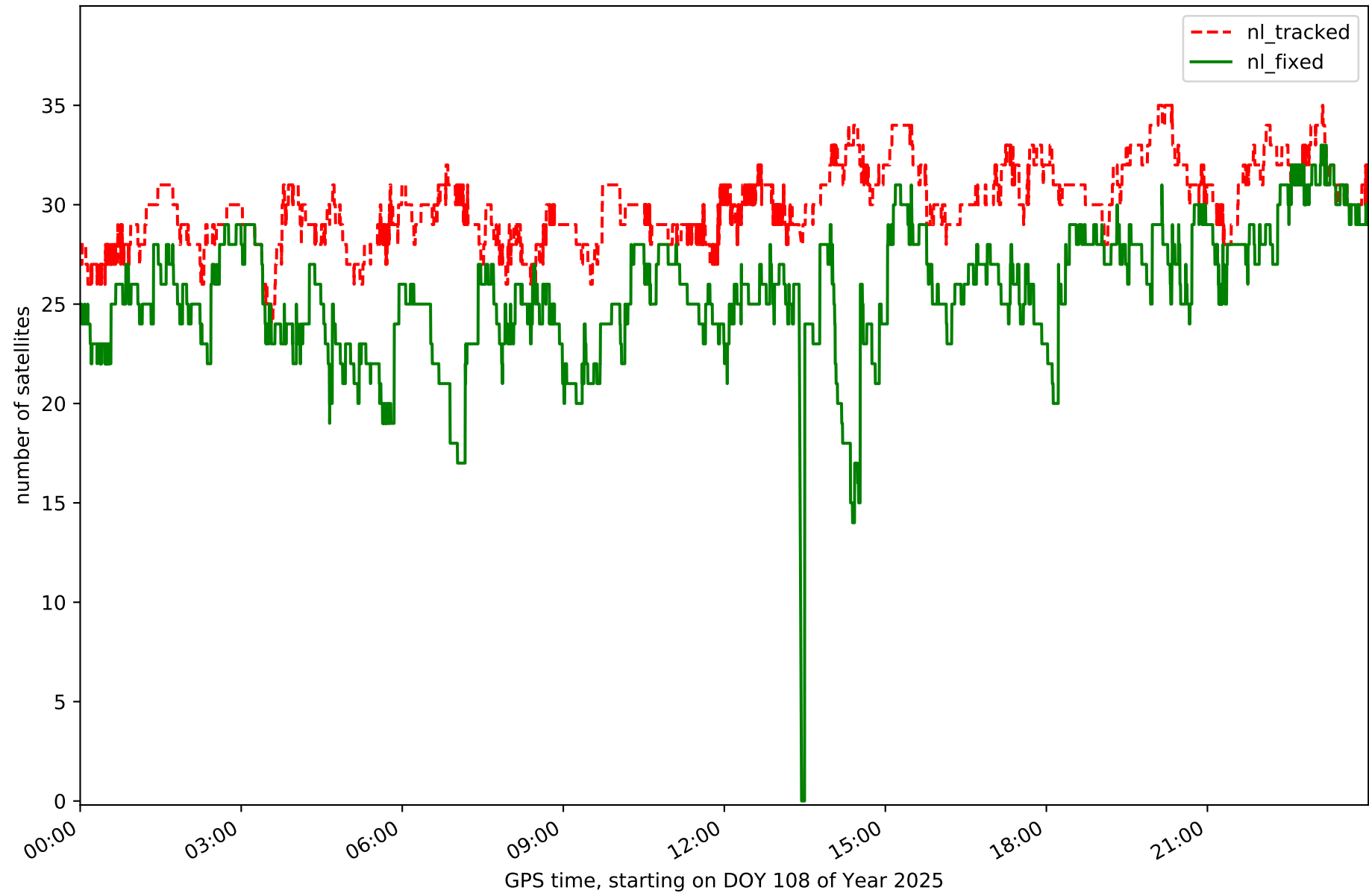




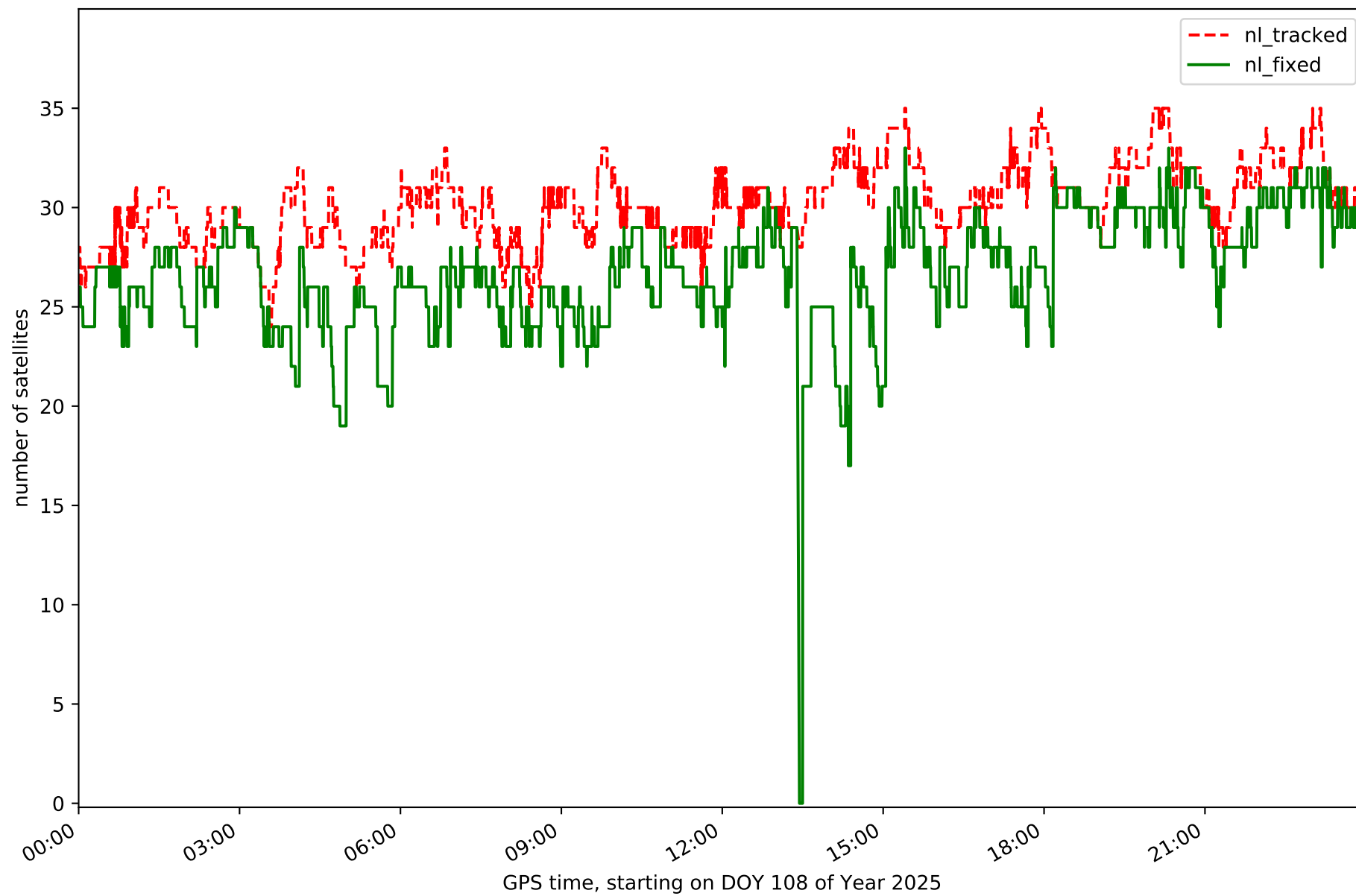
Station VCRD in network NET7



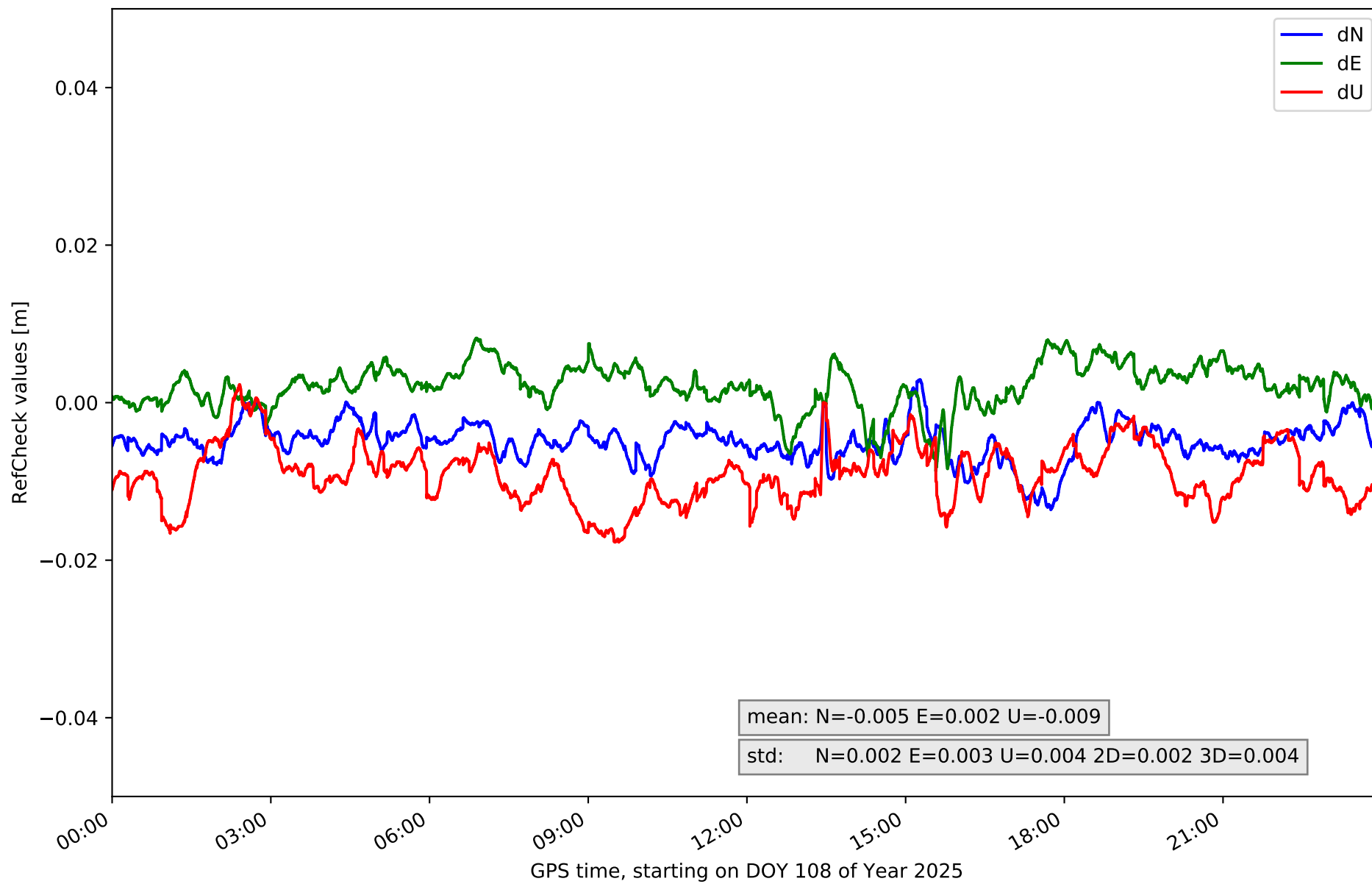
Station VDGO in network NET7



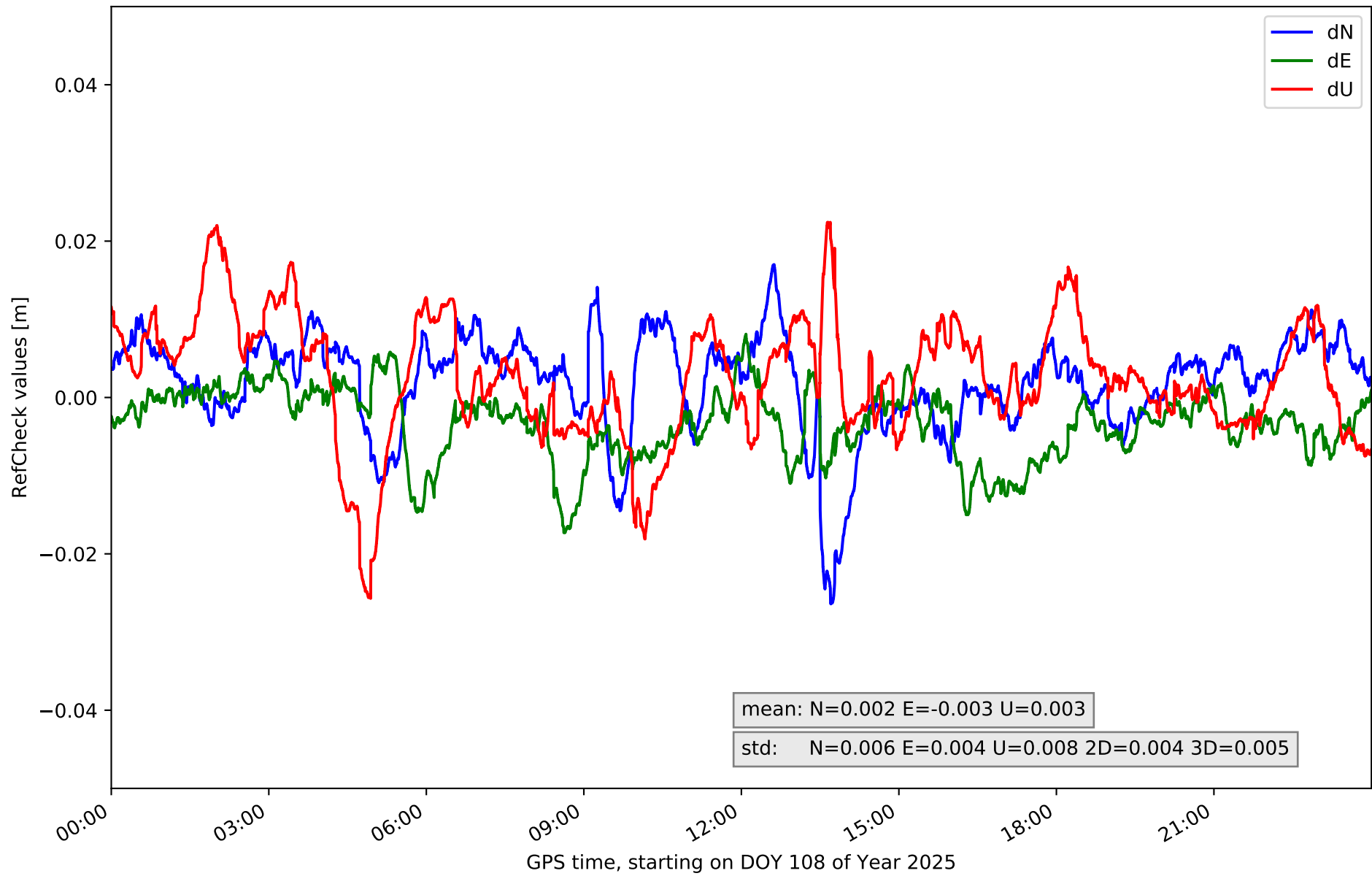
Station XIXO in network NET7



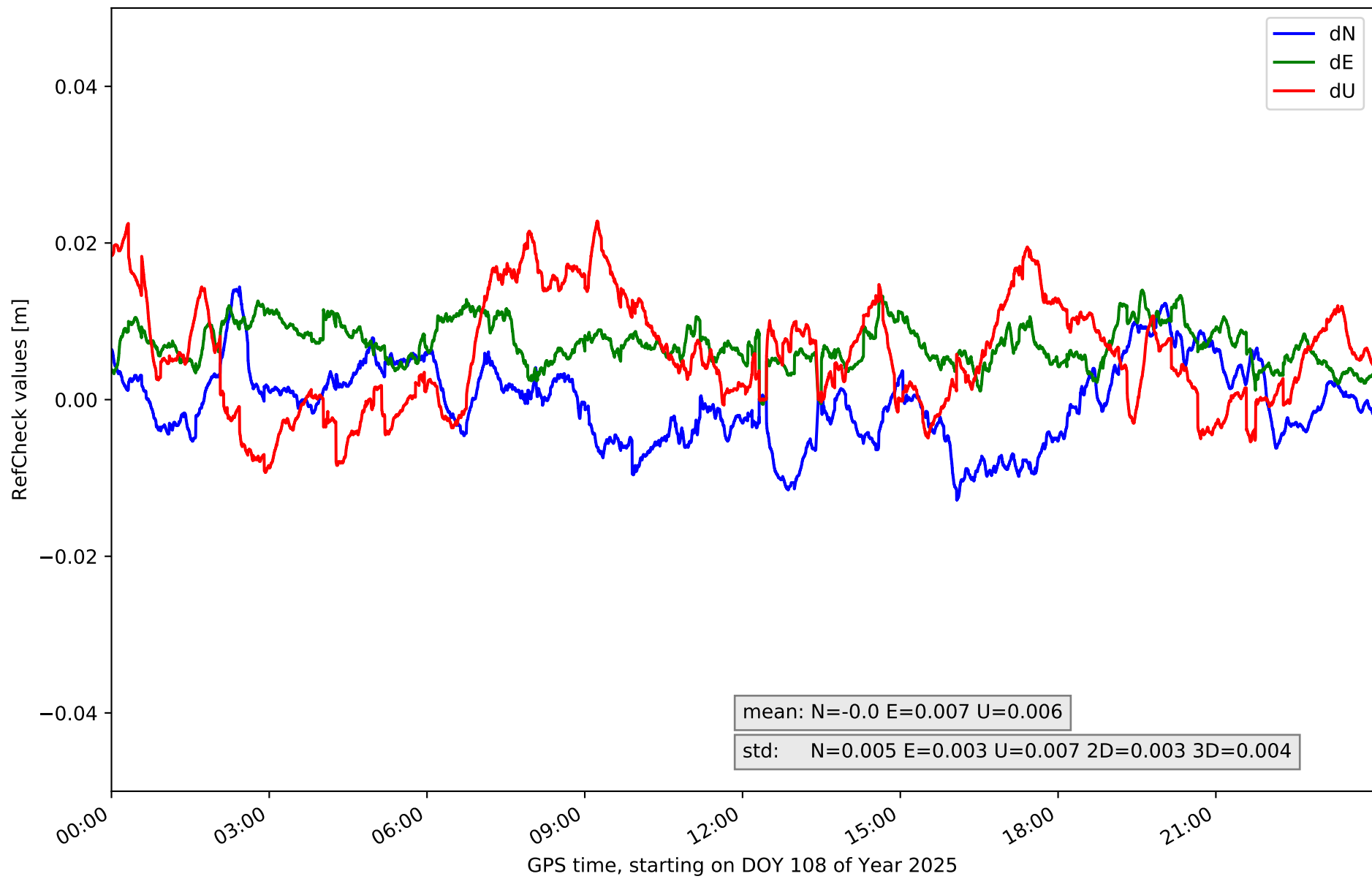
RefCheck for station AVL1 in network NET7



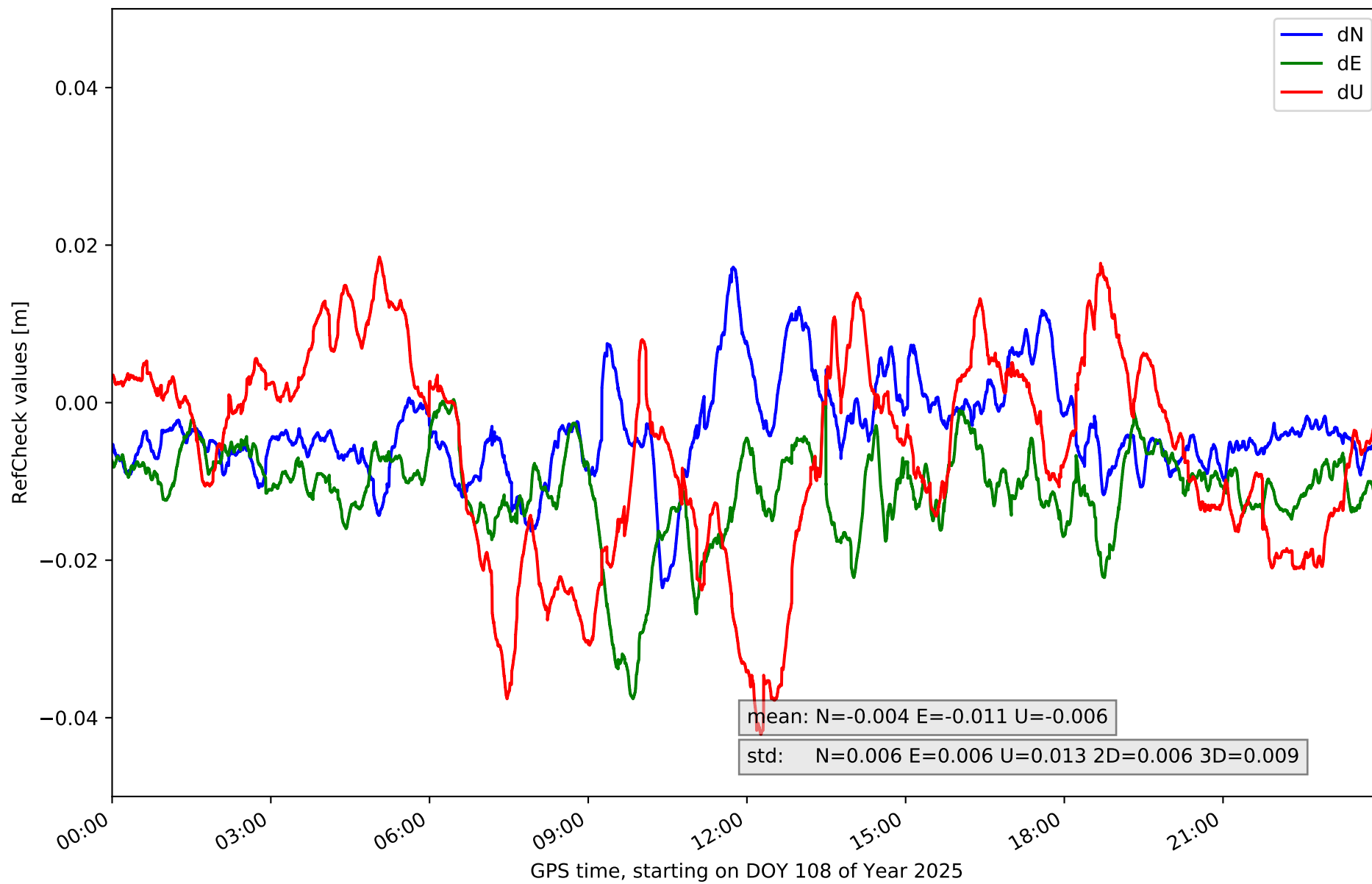
RefCheck for station CANT in network NET7



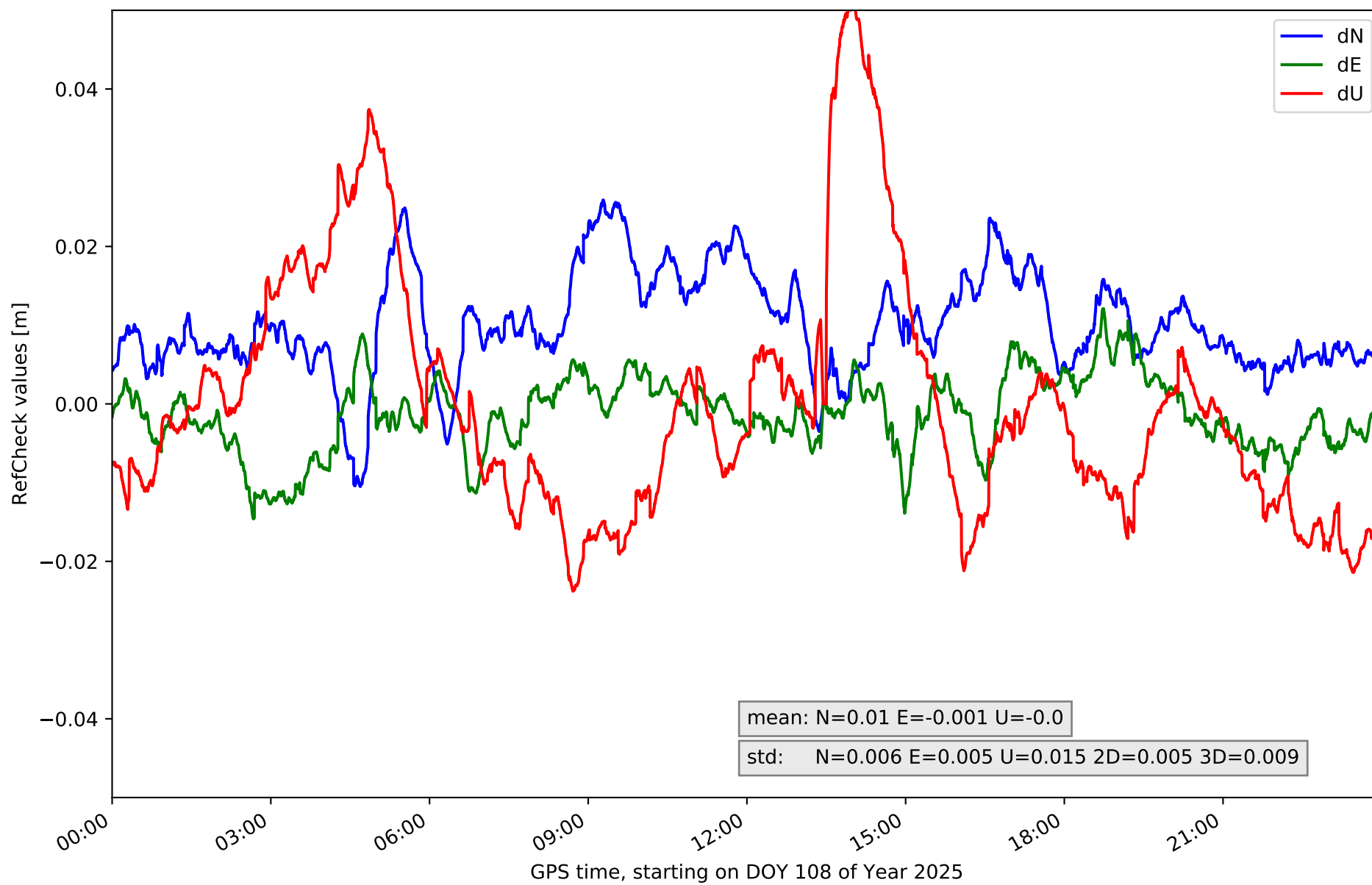
RefCheck for station FUDE in network NET7



RefCheck for station LARE in network NET7

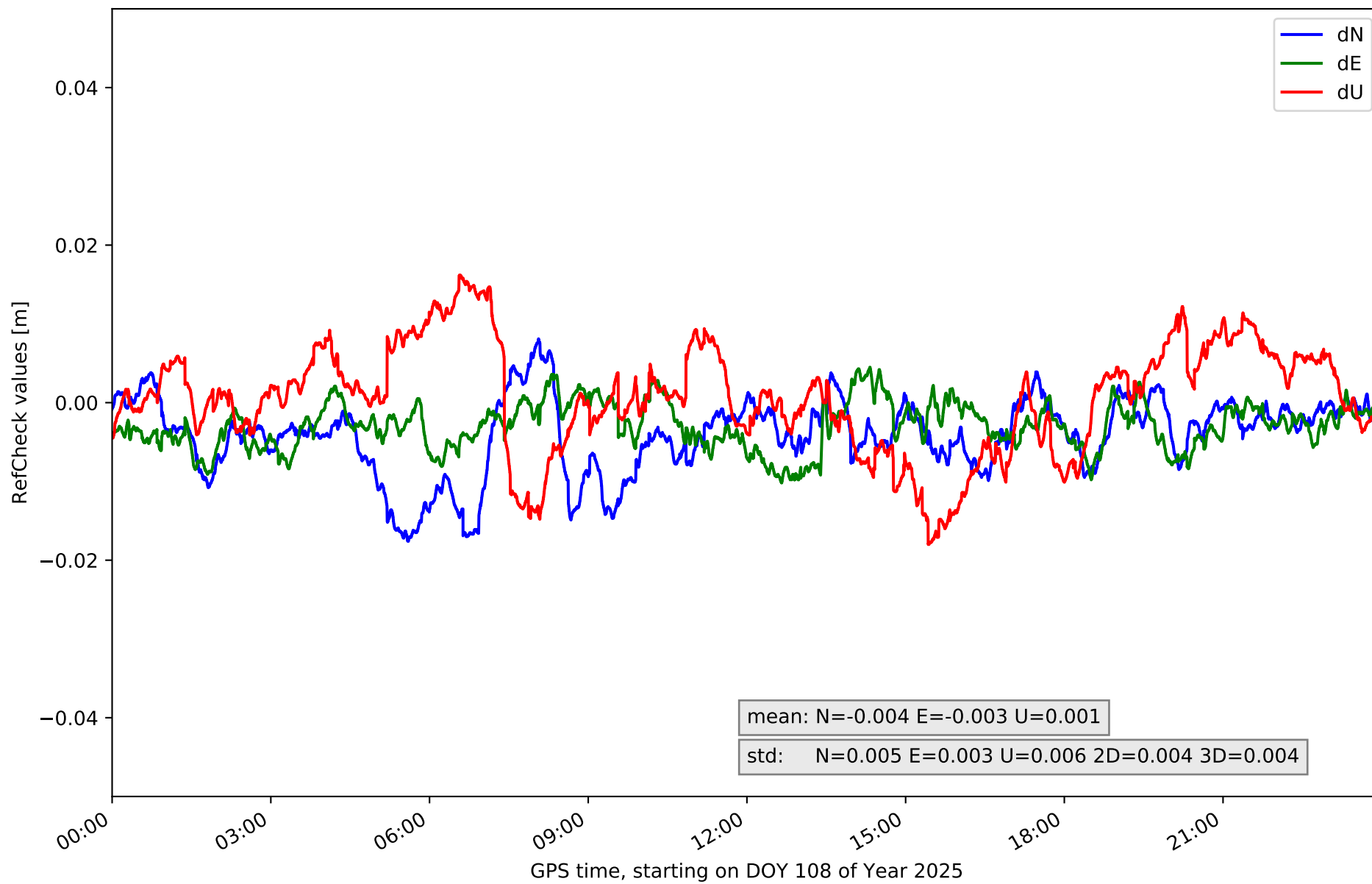


RefCheck for station LENA in network NET7

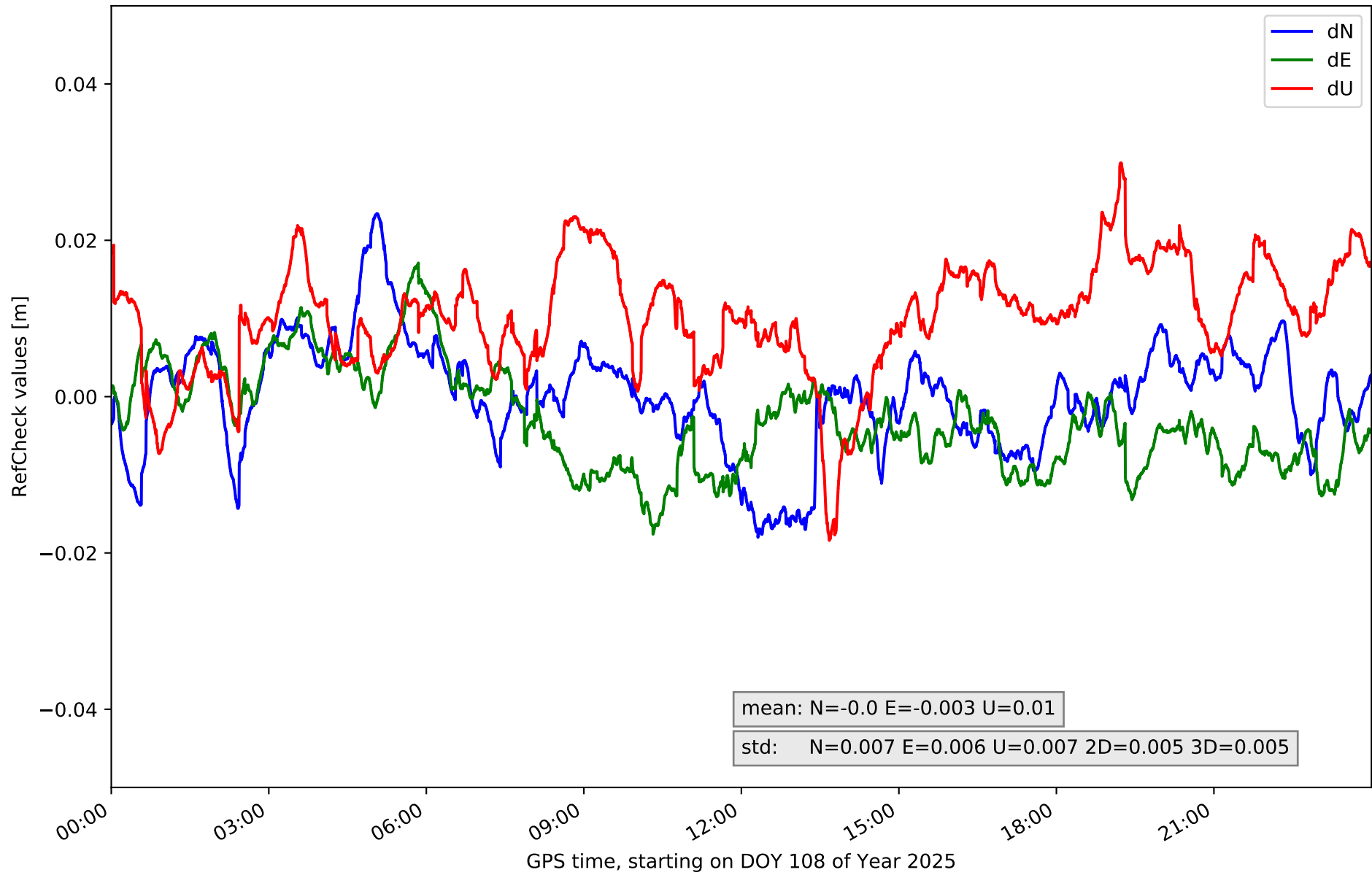




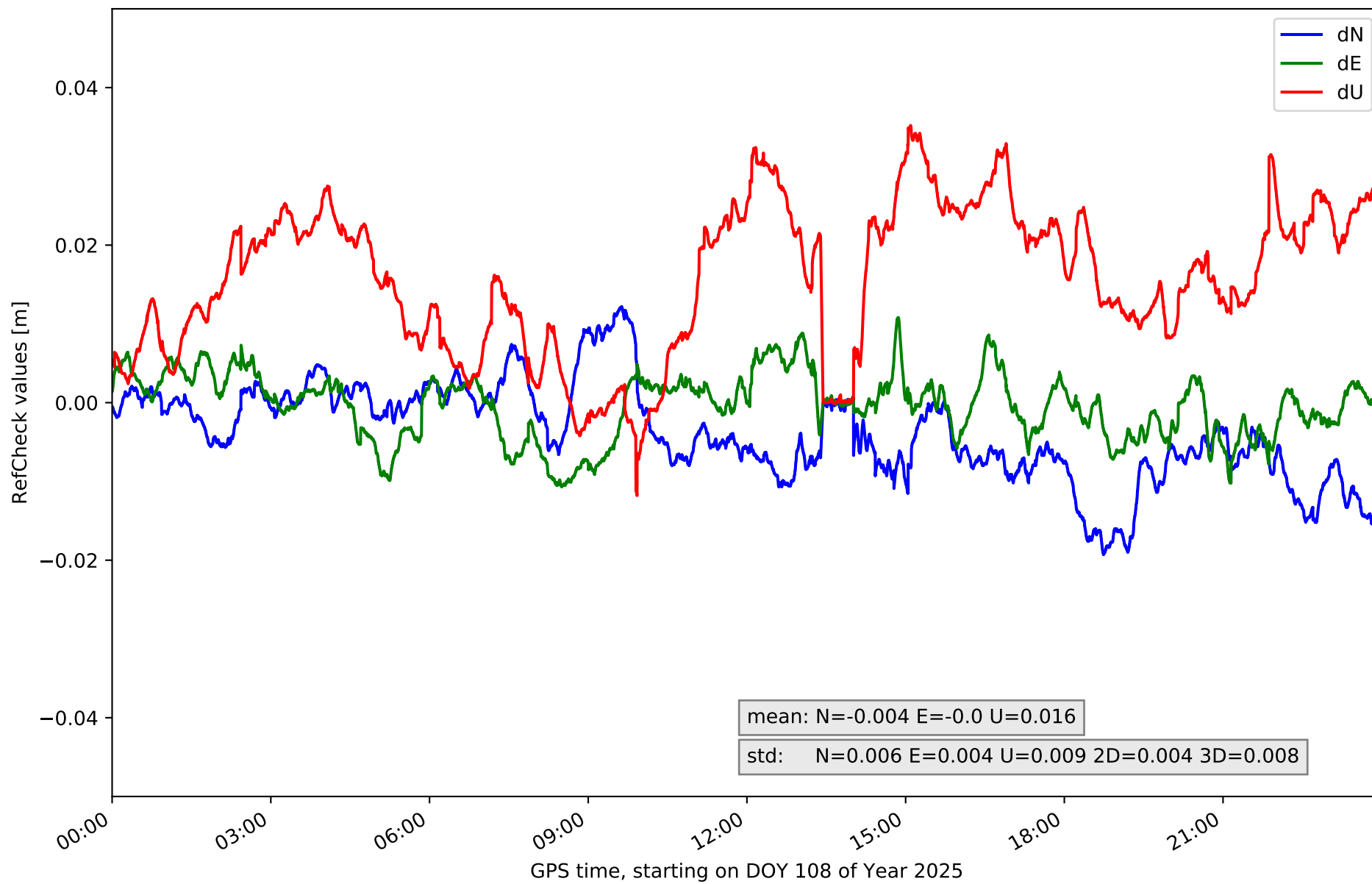
RefCheck for station LEON in network NET7



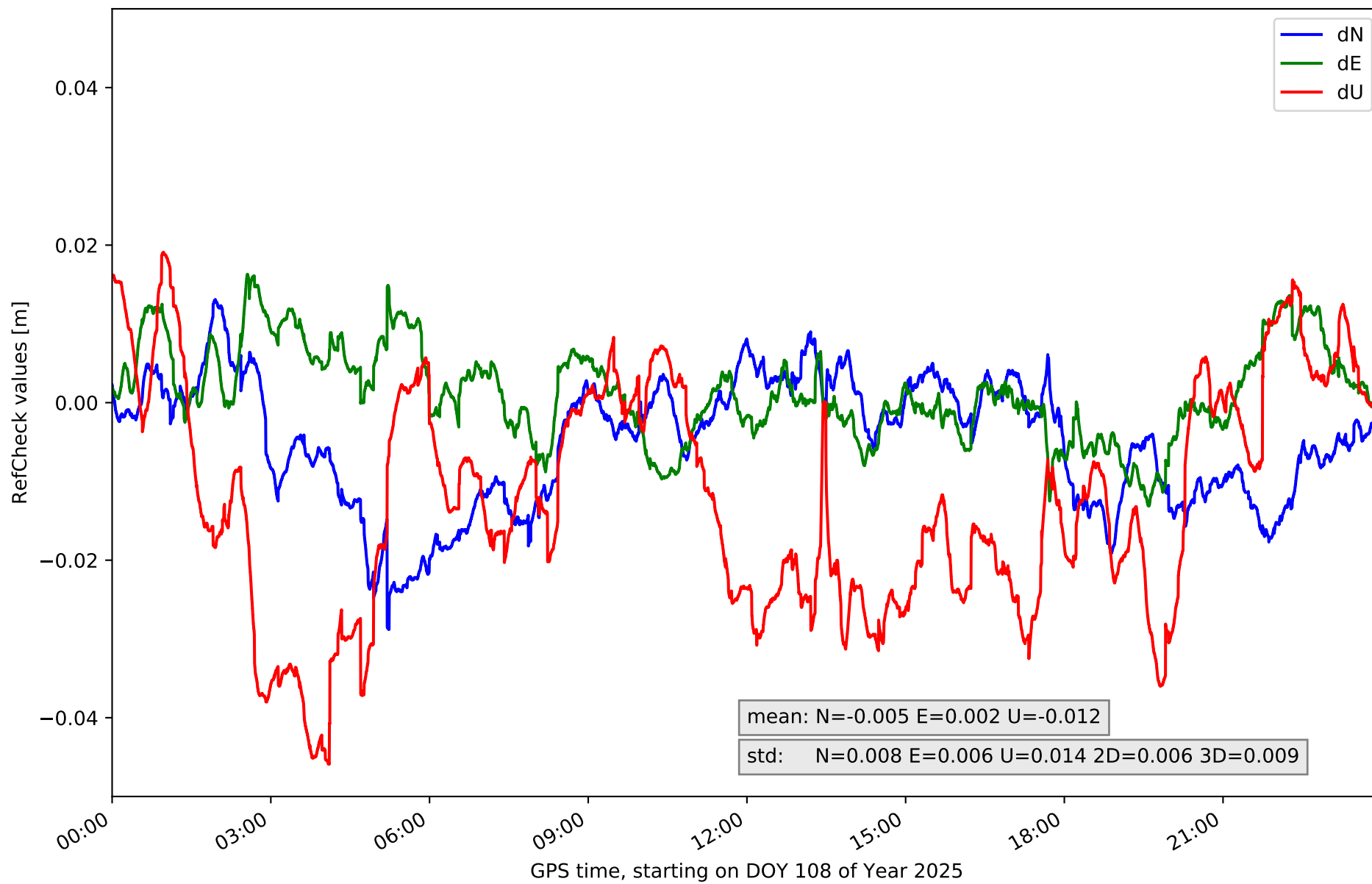
RefCheck for station MDPM in network NET7



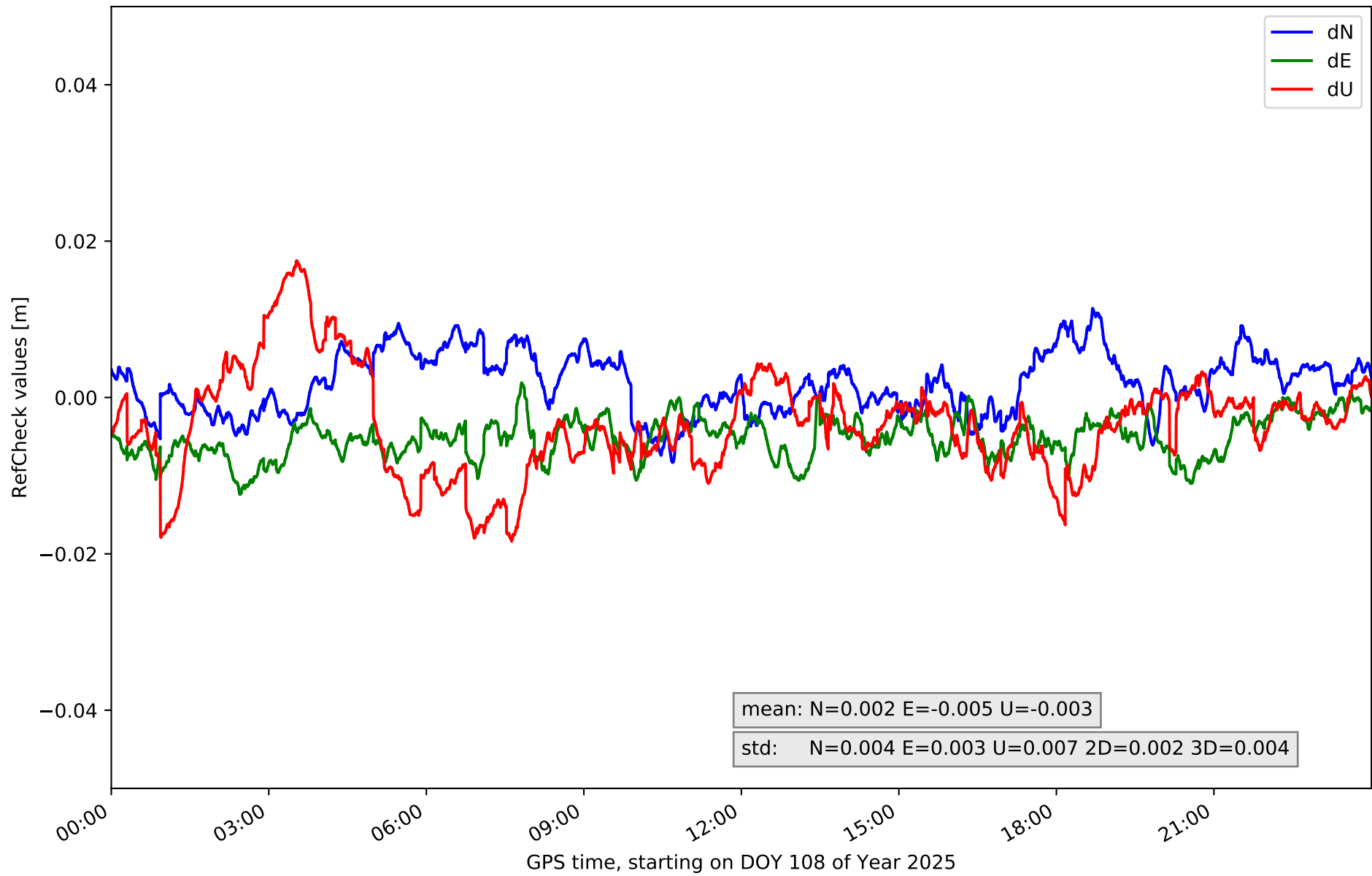
RefCheck for station MIBR in network NET7



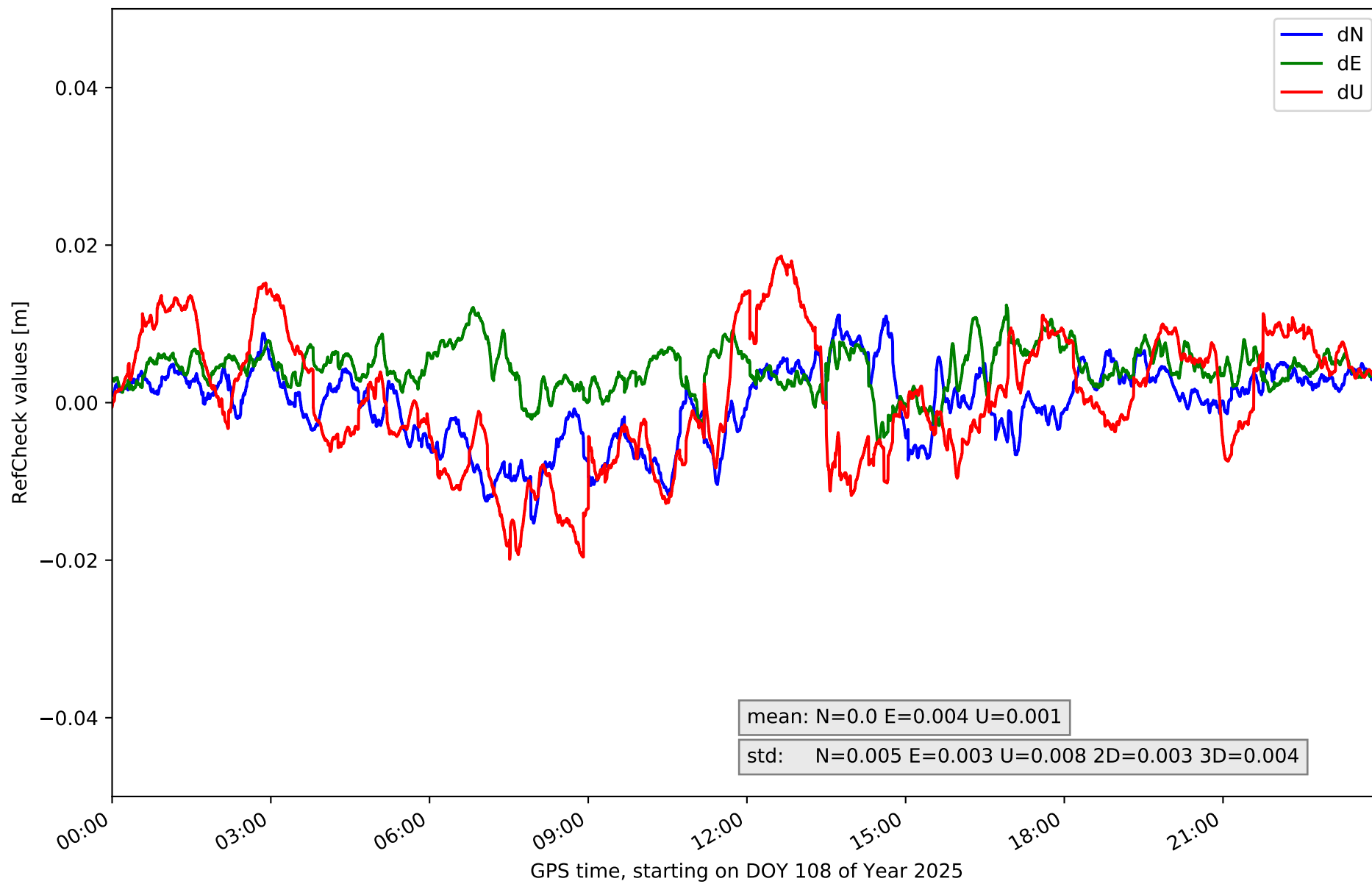
RefCheck for station RENS in network NET7



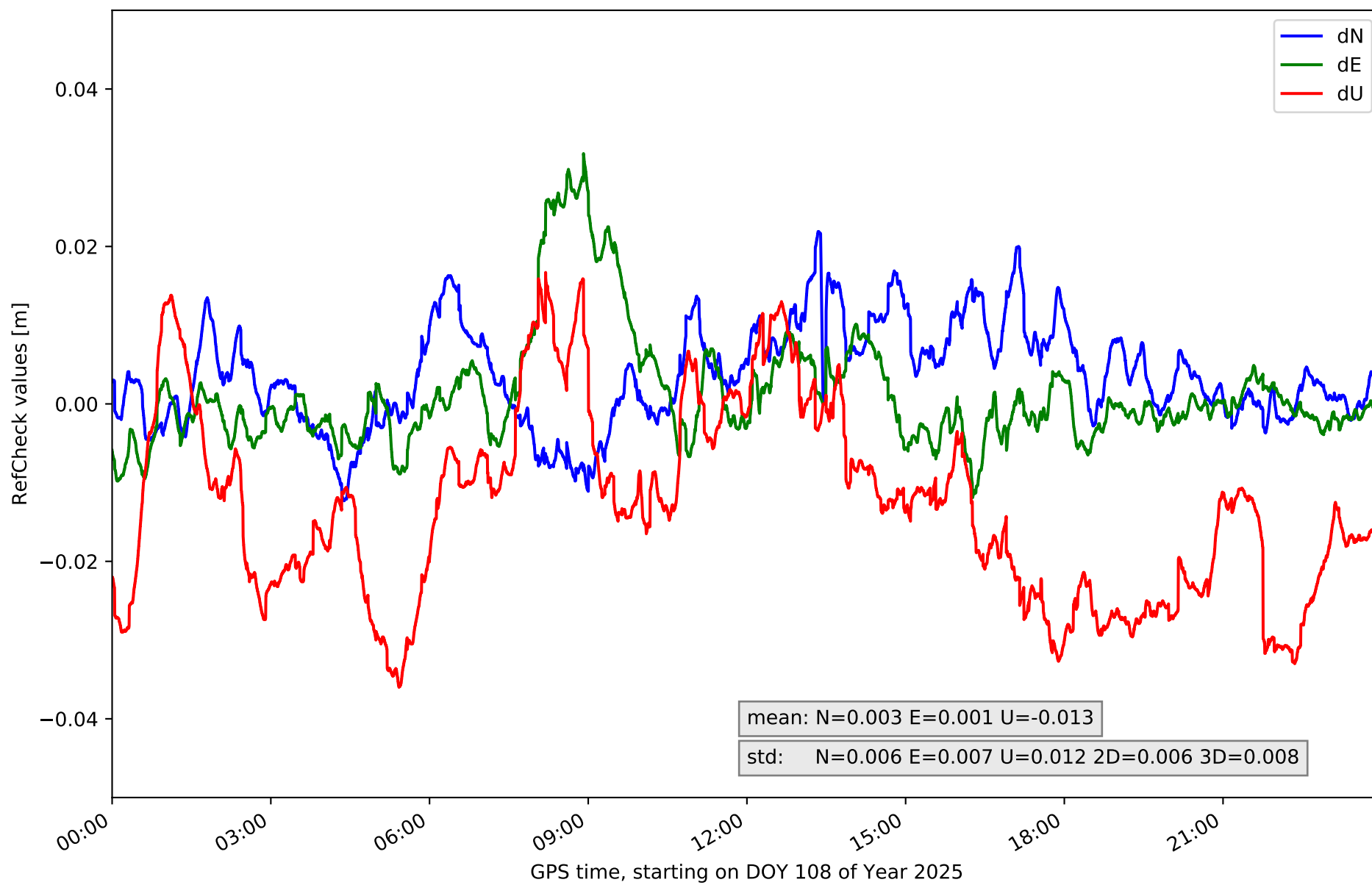
RefCheck for station RIAN in network NET7



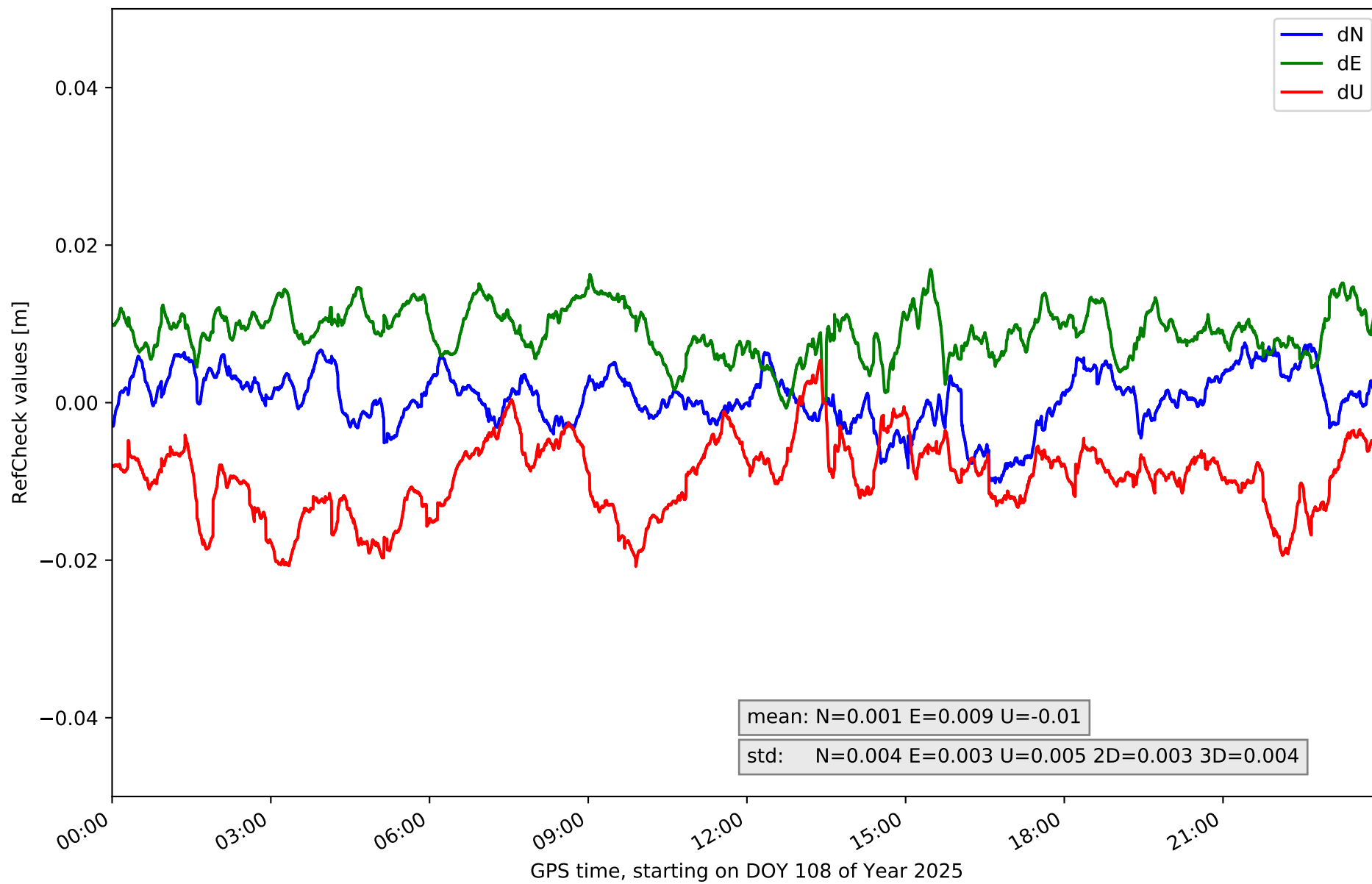
RefCheck for station RIBE in network NET7



RefCheck for station RNAN in network NET7

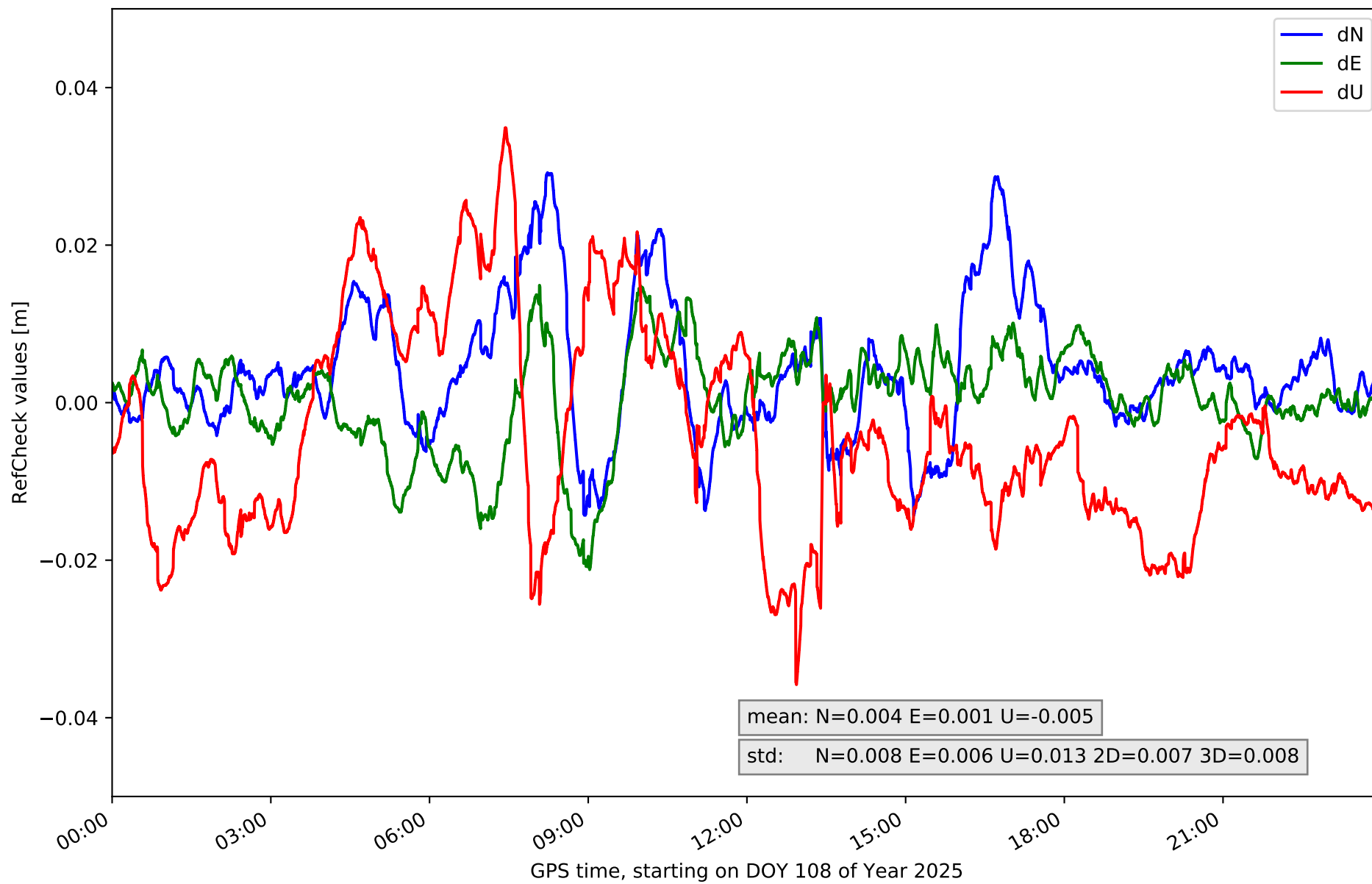


RefCheck for station SALS in network NET7

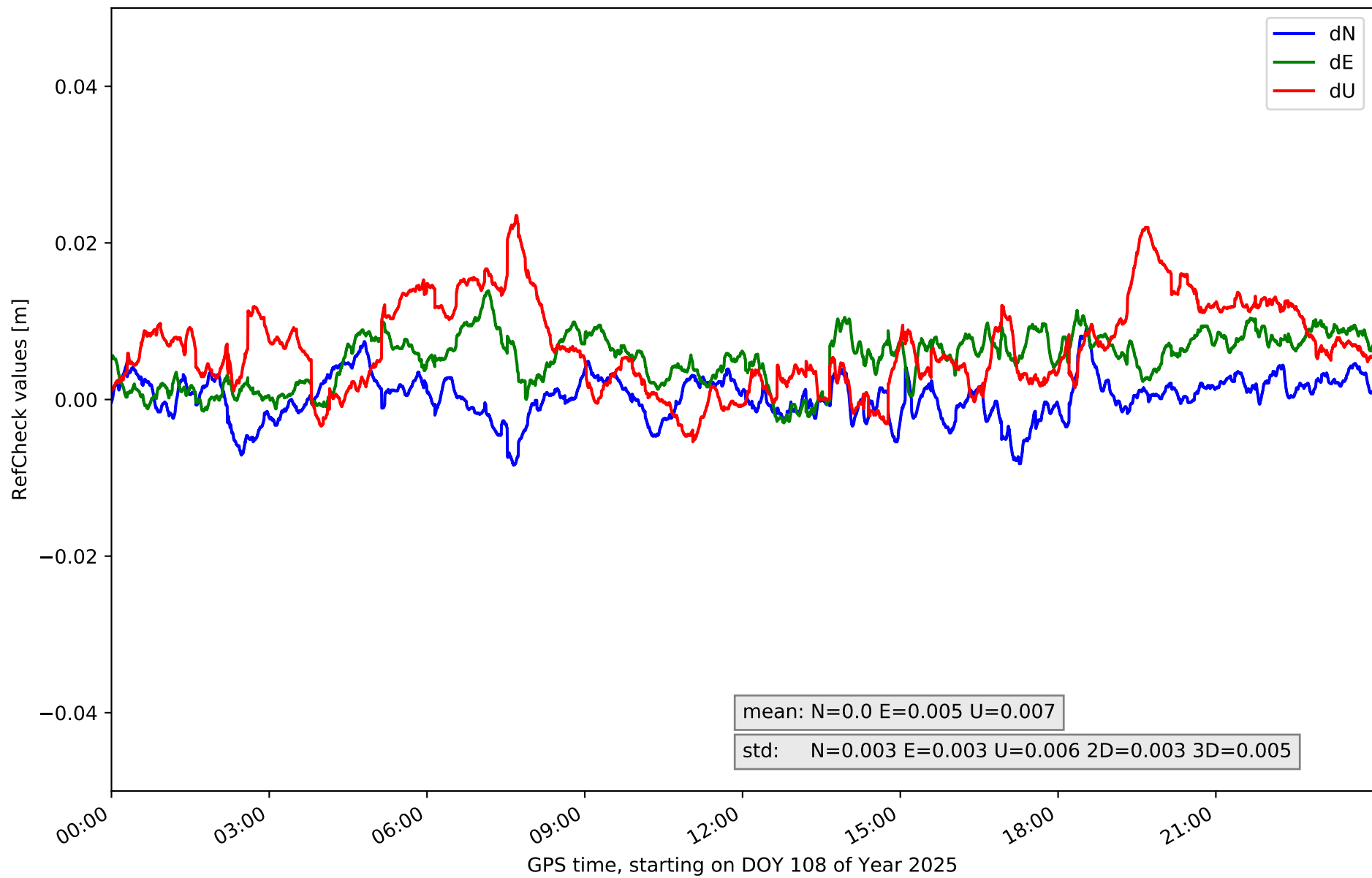




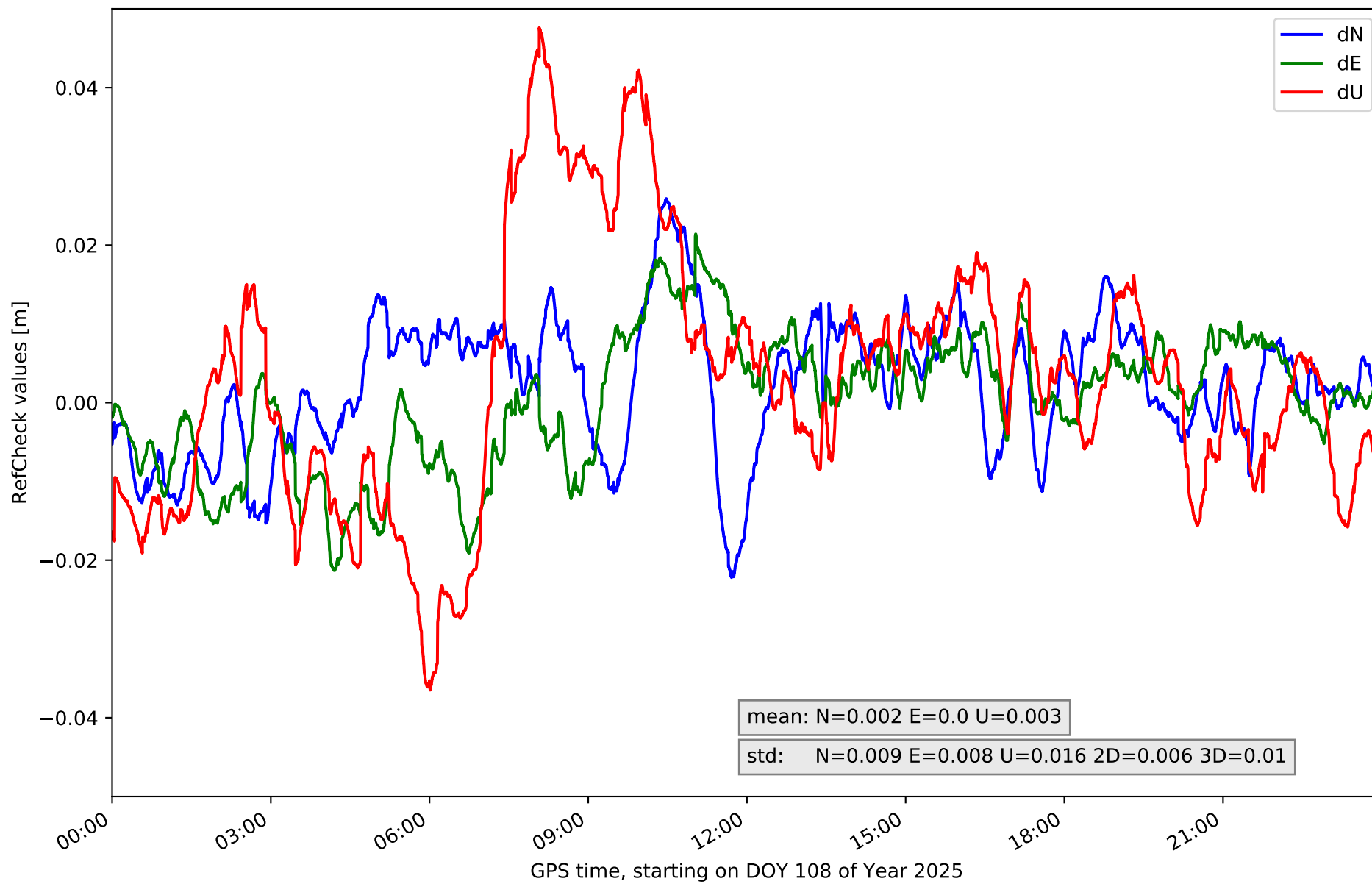
RefCheck for station TRLV in network NET7



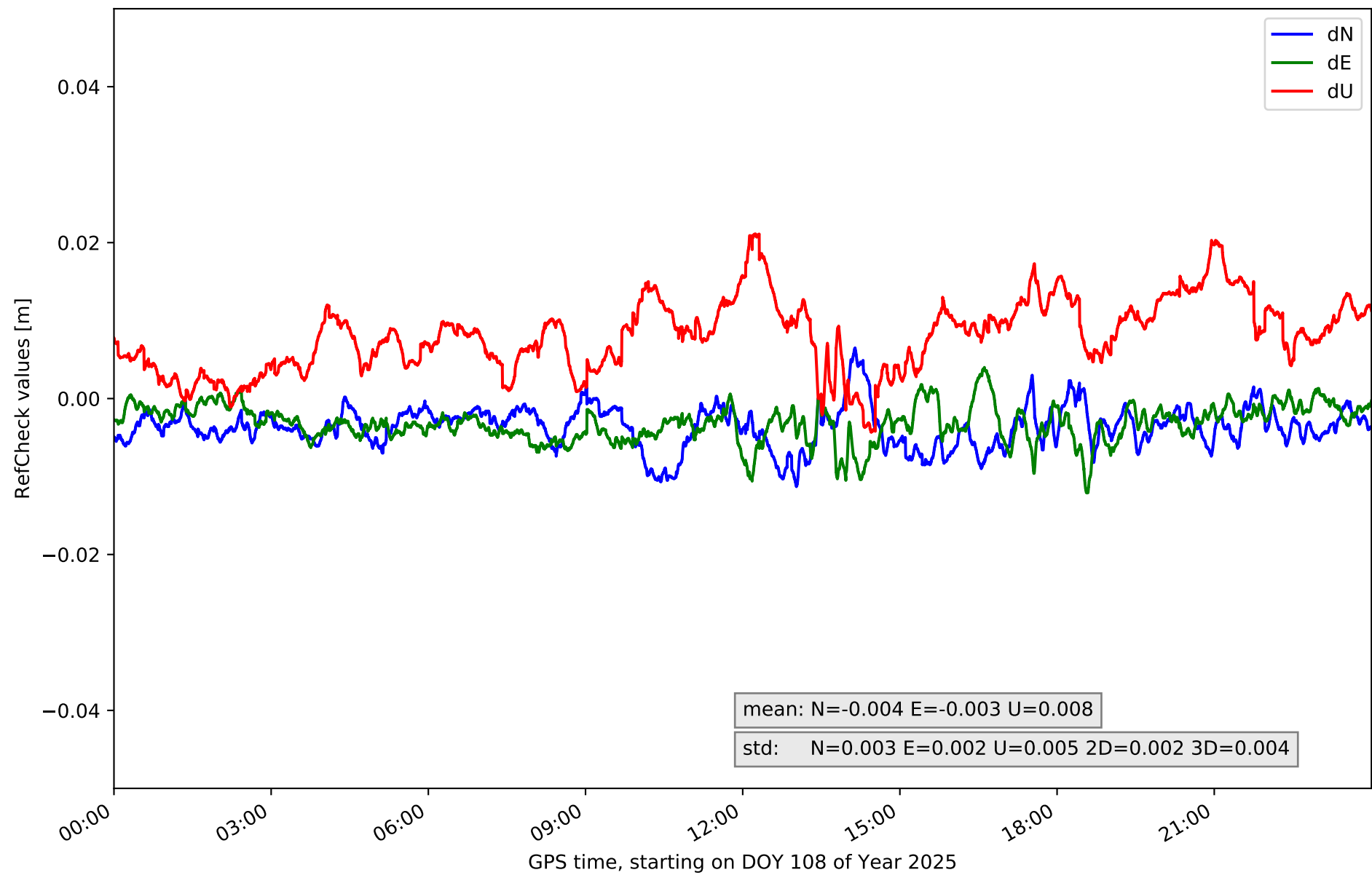
RefCheck for station VBLO in network NET7



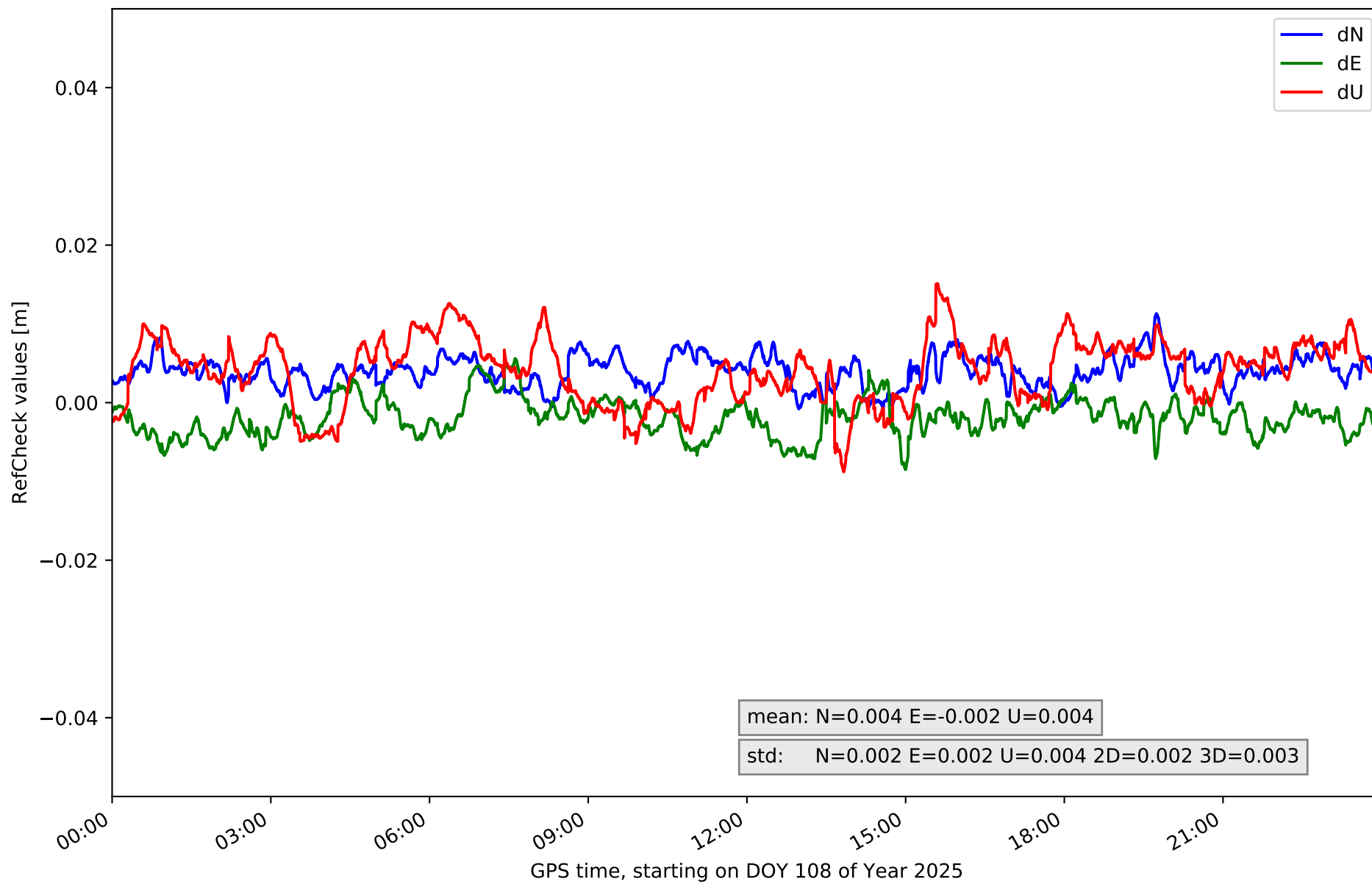
RefCheck for station VCRD in network NET7



RefCheck for station VDGO in network NET7



RefCheck for station XIXO in network NET7



# RefCheck values for network NET7

| Station | Nmin   | Nmax  | Nstd  | Emin   | Emax  | Estd  | Umin   | Umax  | Ustd  | std2D | std3D | #2D > 0.01 | % 2D > 0.01 | #3D > 0.02 | % 3D > 0.02 |
|---------|--------|-------|-------|--------|-------|-------|--------|-------|-------|-------|-------|------------|-------------|------------|-------------|
| AVL1    | -0.014 | 0.003 | 0.002 | -0.009 | 0.008 | 0.003 | -0.018 | 0.002 | 0.004 | 0.002 | 0.004 | 1822       | 4.8         | 0          | 0.0         |
| CANT    | -0.026 | 0.017 | 0.006 | -0.017 | 0.008 | 0.004 | -0.026 | 0.022 | 0.008 | 0.004 | 0.005 | 8714       | 23.0        | 1798       | 4.7         |
| FUDE    | -0.013 | 0.014 | 0.005 | -0.001 | 0.014 | 0.003 | -0.009 | 0.023 | 0.007 | 0.003 | 0.004 | 12929      | 34.1        | 2142       | 5.7         |
| LARE    | -0.024 | 0.017 | 0.006 | -0.038 | 0.0   | 0.006 | -0.042 | 0.018 | 0.013 | 0.006 | 0.009 | 26976      | 71.2        | 13263      | 35.0        |
| LENA    | -0.011 | 0.026 | 0.006 | -0.015 | 0.012 | 0.005 | -0.024 | 0.054 | 0.015 | 0.005 | 0.009 | 19798      | 52.3        | 12175      | 32.2        |
| LEON    | -0.018 | 0.008 | 0.005 | -0.01  | 0.004 | 0.003 | -0.018 | 0.016 | 0.006 | 0.004 | 0.004 | 6252       | 16.5        | 462        | 1.2         |
| MDPM    | -0.018 | 0.023 | 0.007 | -0.018 | 0.017 | 0.006 | -0.018 | 0.03  | 0.007 | 0.005 | 0.005 | 15412      | 40.7        | 6677       | 17.6        |
| MIBR    | -0.019 | 0.012 | 0.006 | -0.011 | 0.011 | 0.004 | -0.012 | 0.035 | 0.009 | 0.004 | 0.008 | 9272       | 24.5        | 18499      | 48.9        |
| RENS    | -0.029 | 0.013 | 0.008 | -0.013 | 0.016 | 0.006 | -0.046 | 0.019 | 0.014 | 0.006 | 0.009 | 17116      | 45.2        | 17964      | 47.4        |
| RIAN    | -0.008 | 0.011 | 0.004 | -0.012 | 0.002 | 0.003 | -0.018 | 0.018 | 0.007 | 0.002 | 0.004 | 3989       | 10.5        | 340        | 0.9         |
| RIBE    | -0.015 | 0.011 | 0.005 | -0.005 | 0.012 | 0.003 | -0.02  | 0.019 | 0.008 | 0.003 | 0.004 | 4524       | 11.9        | 323        | 0.9         |
| RNAN    | -0.012 | 0.022 | 0.006 | -0.012 | 0.032 | 0.007 | -0.036 | 0.017 | 0.012 | 0.006 | 0.008 | 10478      | 27.7        | 16734      | 44.2        |
| SALS    | -0.01  | 0.008 | 0.004 | -0.001 | 0.017 | 0.003 | -0.021 | 0.005 | 0.005 | 0.003 | 0.004 | 19179      | 50.7        | 3774       | 10.0        |
| TRLV    | -0.014 | 0.029 | 0.008 | -0.021 | 0.015 | 0.006 | -0.036 | 0.035 | 0.013 | 0.007 | 0.008 | 12342      | 32.6        | 10387      | 27.4        |
| VBLO    | -0.008 | 0.009 | 0.003 | -0.003 | 0.014 | 0.003 | -0.005 | 0.024 | 0.006 | 0.003 | 0.005 | 2710       | 7.2         | 980        | 2.6         |
| VCRD    | -0.022 | 0.026 | 0.009 | -0.021 | 0.021 | 0.008 | -0.036 | 0.048 | 0.016 | 0.006 | 0.01  | 19215      | 50.8        | 11817      | 31.2        |
| VDGO    | -0.011 | 0.006 | 0.003 | -0.012 | 0.004 | 0.002 | -0.004 | 0.021 | 0.005 | 0.002 | 0.004 | 2025       | 5.3         | 666        | 1.8         |
| XIXO    | -0.001 | 0.011 | 0.002 | -0.009 | 0.006 | 0.002 | -0.009 | 0.015 | 0.004 | 0.002 | 0.003 | 219        | 0.6         | 0          | 0.0         |
| Mean    | -0.015 | 0.015 | 0.005 | -0.013 | 0.012 | 0.004 | -0.022 | 0.023 | 0.009 | 0.004 | 0.006 | 10720.7    | 28.3        | 6555.6     | 17.3        |
| Min/Max | -0.029 | 0.029 | 0.009 | -0.038 | 0.032 | 0.008 | -0.046 | 0.054 | 0.016 | 0.007 | 0.01  | 26976      | 71.2        | 18499      | 48.9        |

## fixing statistic for network NET7

| fixing percentage of                             | all GNSS | G    | R    | E    | C    |
|--------------------------------------------------|----------|------|------|------|------|
| using threshold 0.3                              | 90.5     | 91.0 | 91.5 | 91.8 | 88.1 |
| considering satellites with dual-frequency fixed | 86.2     | 86.4 | 86.3 | 88.9 | 83.4 |
| considering all signals separately               | 86.2     | 86.4 | 86.3 | 88.9 | 82.6 |