

## summary for network NET9

timeperiod chosen: from 2025-08-16-00:00:00 until 2025-08-16-23:59:59

average update rate (durations larger than 15 seconds considered as observation gap): 2.1 seconds

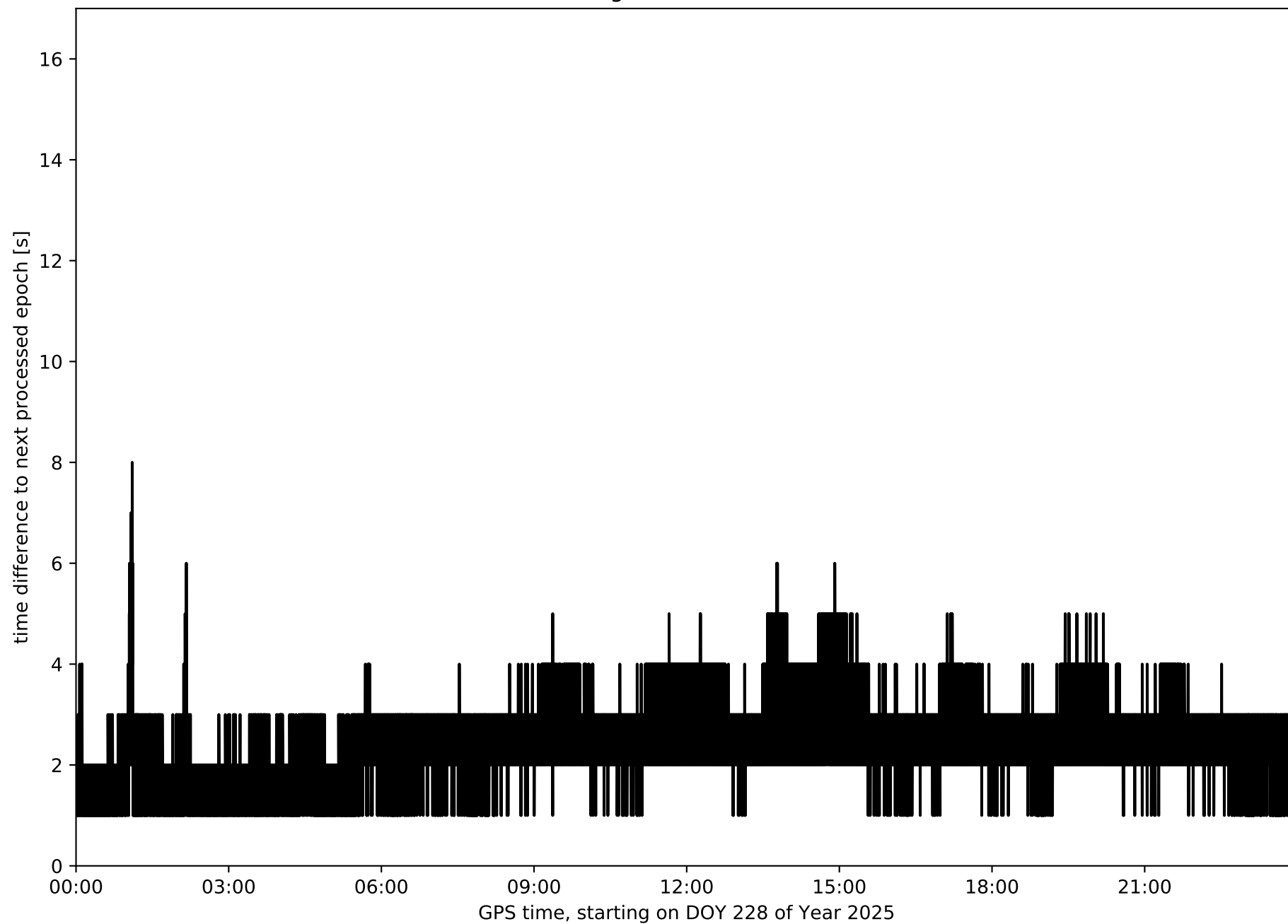
average fixing percentage with threshold set to 0.3: 94.4 percent

stations available: 17 of 17

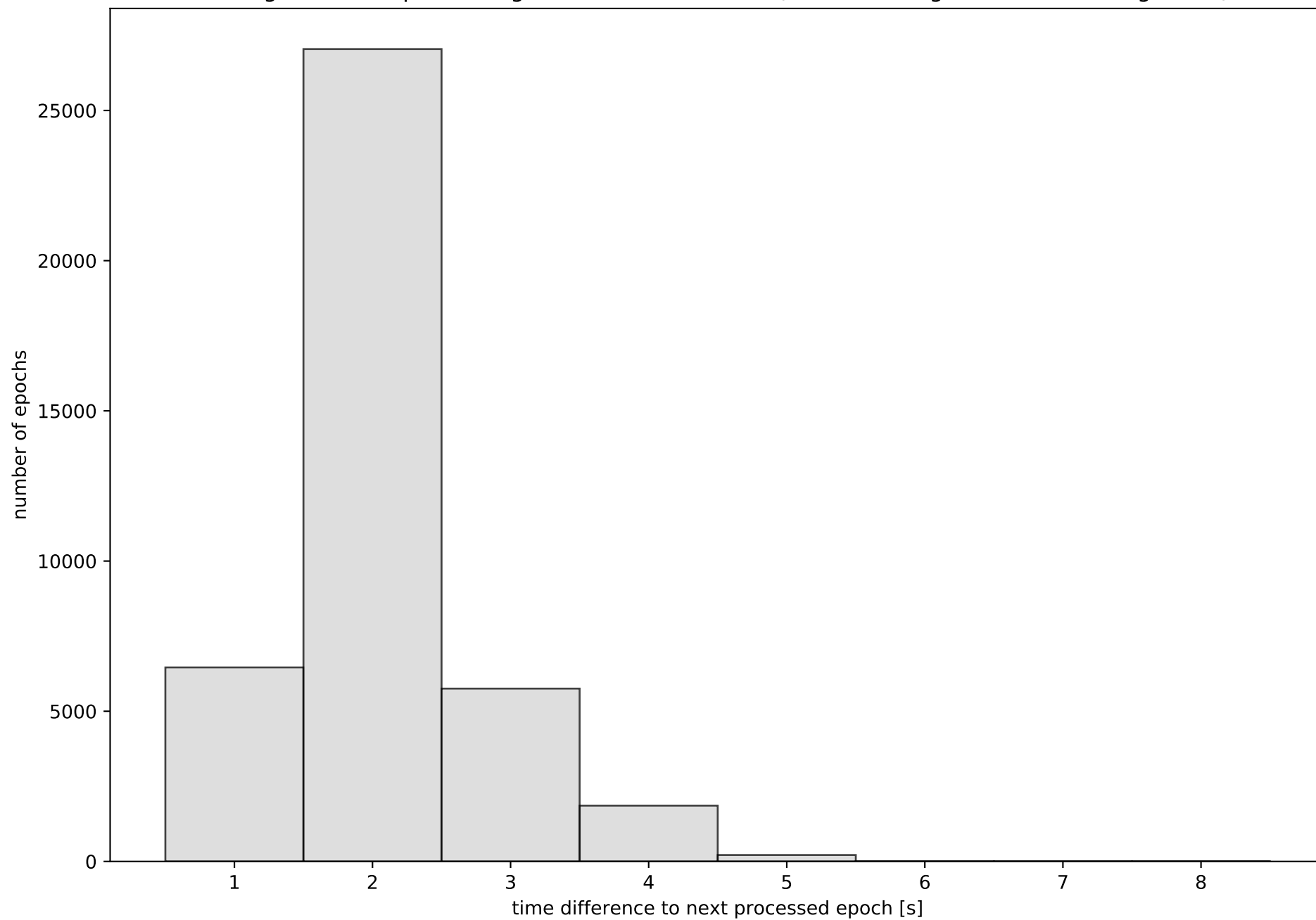
station information:

|               |                              |                         |                  |
|---------------|------------------------------|-------------------------|------------------|
| station ARIB: | antenna: GPPNULLANTENNA NONE | receiver: LEICA GR50    | height: 1037.401 |
| station BINE: | antenna: GPPNULLANTENNA NONE | receiver: LEICA GR50    | height: 346.97   |
| station BLGU: | antenna: TRM59900.00 SCIS    | receiver: TRIMBLE NETR9 | height: 1649.267 |
| station BRJA: | antenna: GPPNULLANTENNA NONE | receiver: LEICA GR50    | height: 493.665  |
| station CARC: | antenna: GPPNULLANTENNA NONE | receiver: LEICA GR50    | height: 420.371  |
| station CSOS: | antenna: LEIAR20 LEIM        | receiver: LEICA GR50    | height: 957.891  |
| station EJE:  | antenna: GPPNULLANTENNA NONE | receiver: LEICA GR50    | height: 384.595  |
| station FRAG: | antenna: LEIAR25.R4 LEIT     | receiver: LEICA GR10    | height: 181.849  |
| station JACA: | antenna: LEIAR25.R3 LEIT     | receiver: LEICA GR10    | height: 738.987  |
| station OSCA: | antenna: GPPNULLANTENNA NONE | receiver: LEICA GR30    | height: 546.703  |
| station RONL: | antenna: GPPNULLANTENNA NONE | receiver: LEICA GR50    | height: 760.433  |
| station SABI: | antenna: GPPNULLANTENNA NONE | receiver: LEICA GR50    | height: 850.531  |
| station SANS: | antenna: GPPNULLANTENNA NONE | receiver: LEICA GR50    | height: 459.179  |
| station SRNA: | antenna: GPPNULLANTENNA NONE | receiver: LEICA GR50    | height: 355.166  |
| station TUD1: | antenna: LEIAR20 LEIM        | receiver: LEICA GR50    | height: 340.794  |
| station ZARA: | antenna: TRM29659.00 NONE    | receiver: TRIMBLE NETR9 | height: 299.353  |
| station ZUER: | antenna: GPPNULLANTENNA NONE | receiver: LEICA GR50    | height: 339.228  |

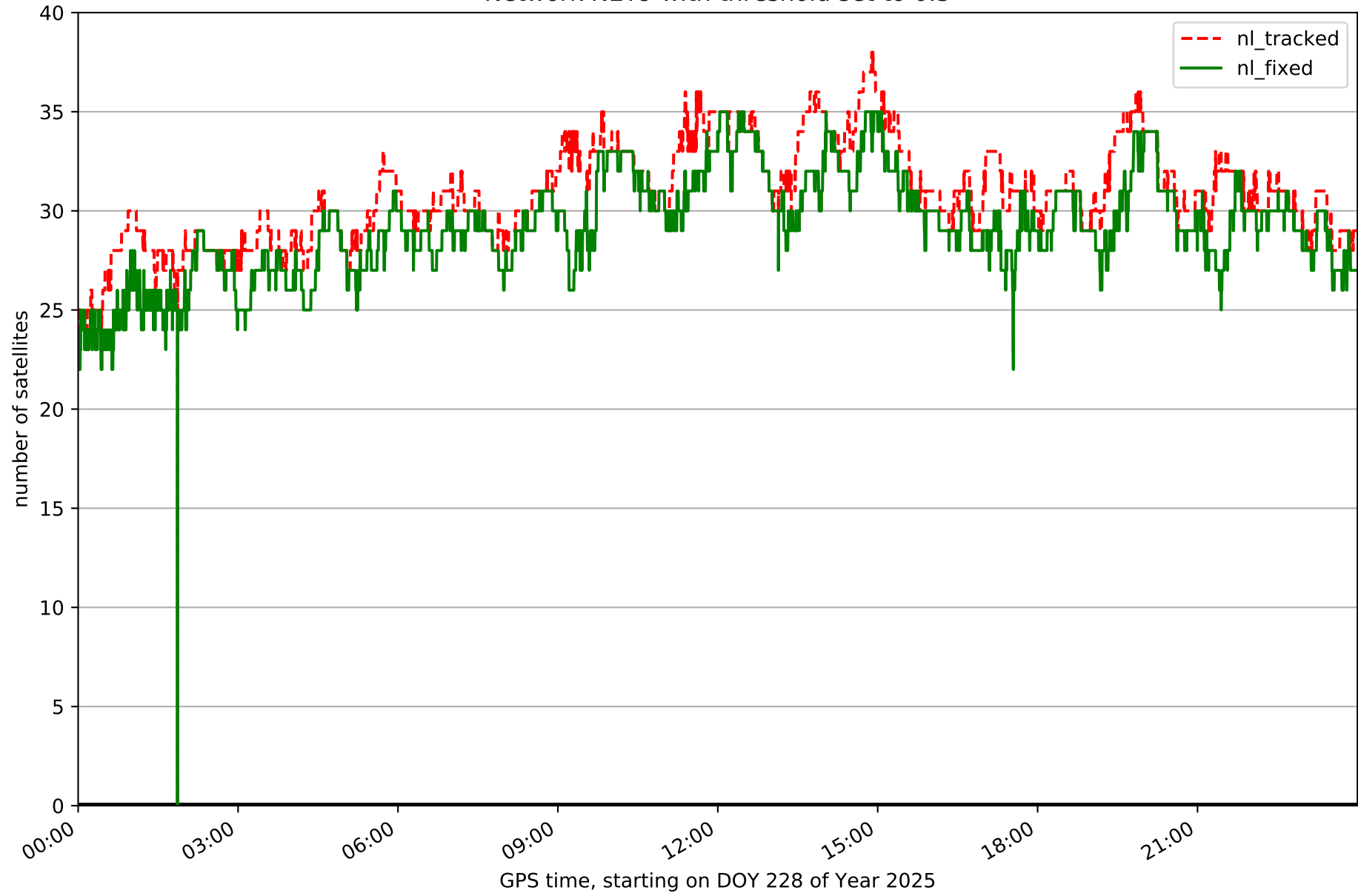
Processing rate in network NET9



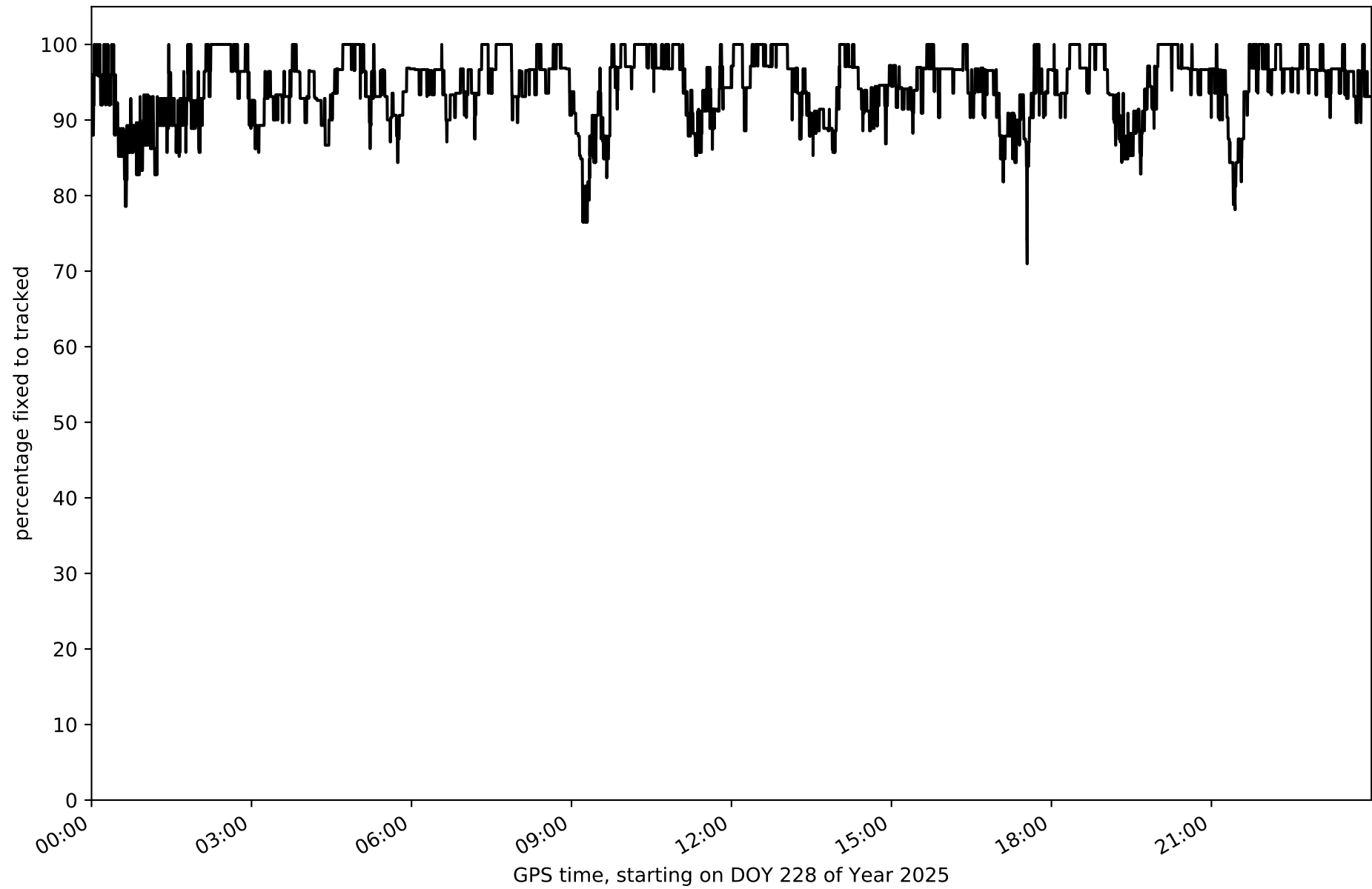
Histogram of the processing rate in network NET9 (durations larger 15 seconds neglected)



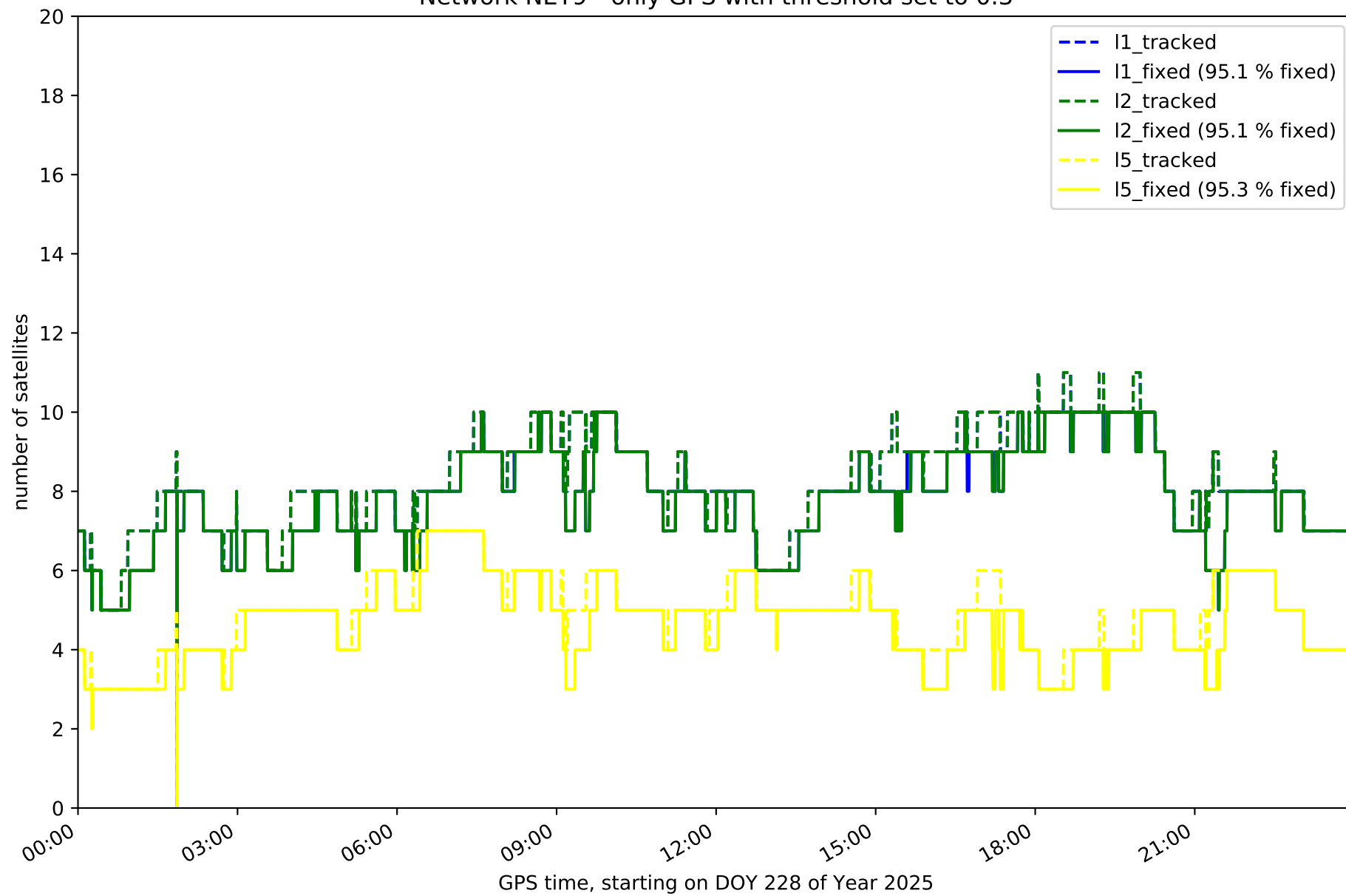
Network NET9 with threshold set to 0.3



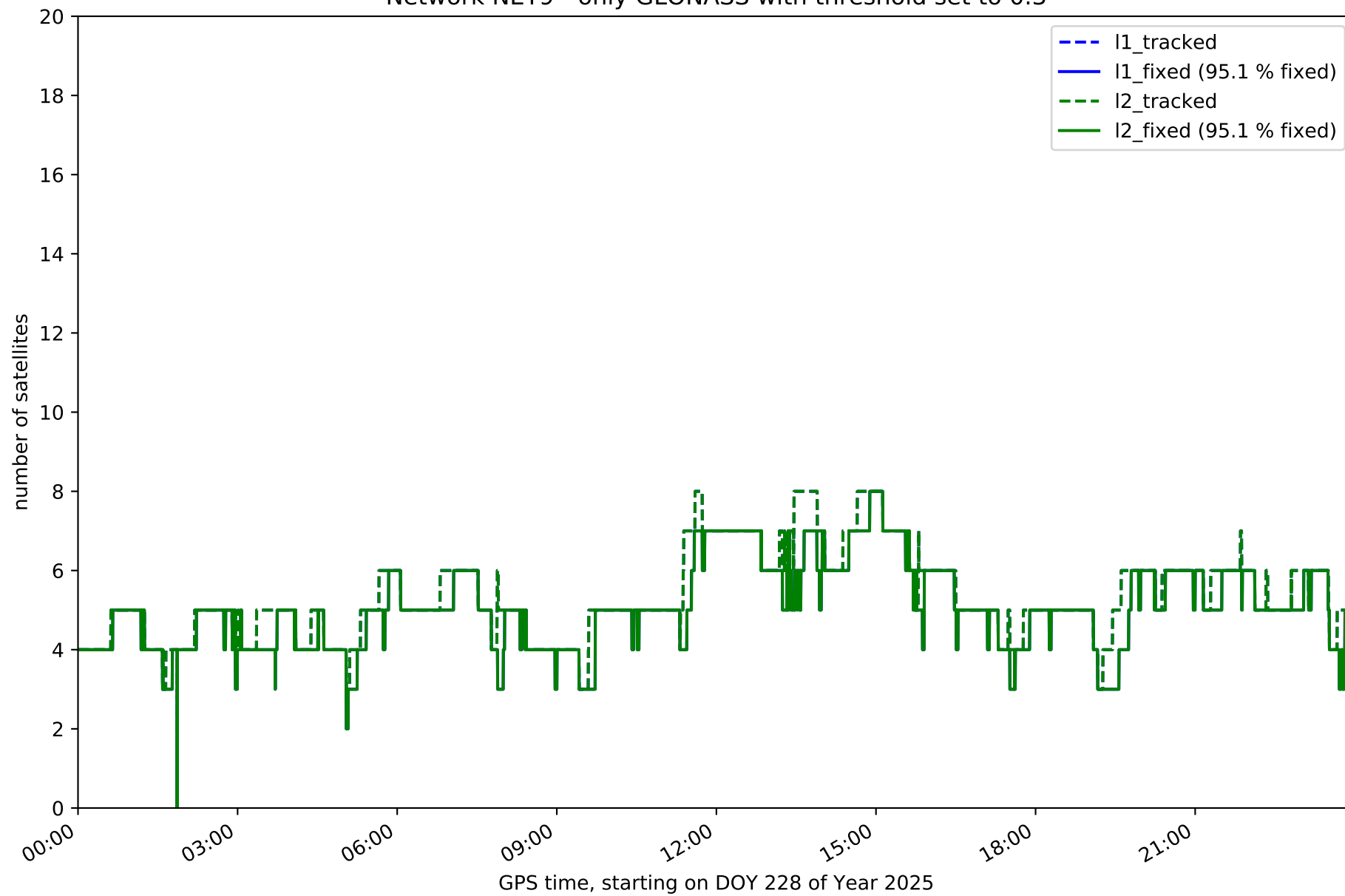
Fixing percentage of satellites in network NET9 with threshold set to 0.3



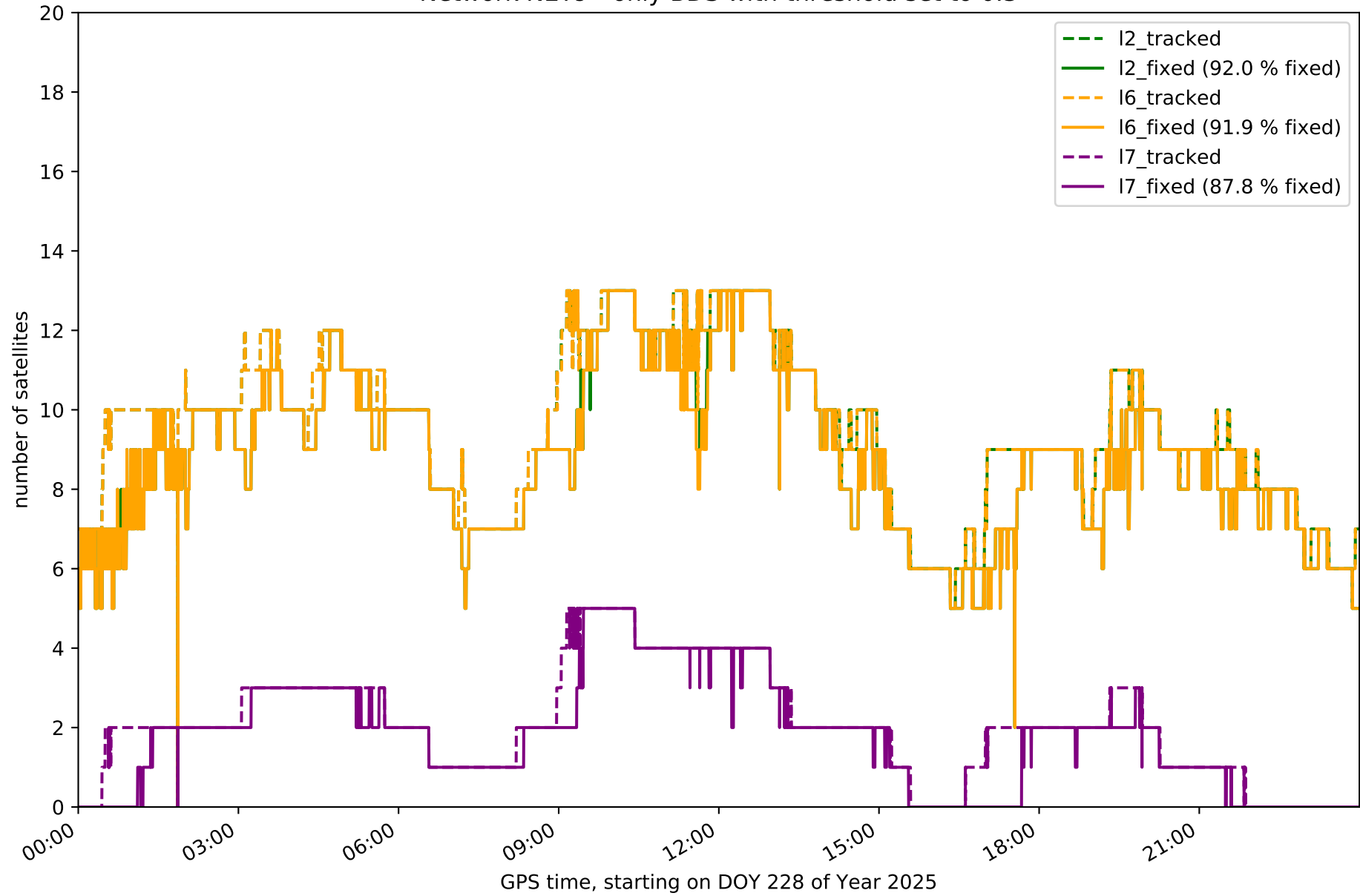
Network NET9 - only GPS with threshold set to 0.3



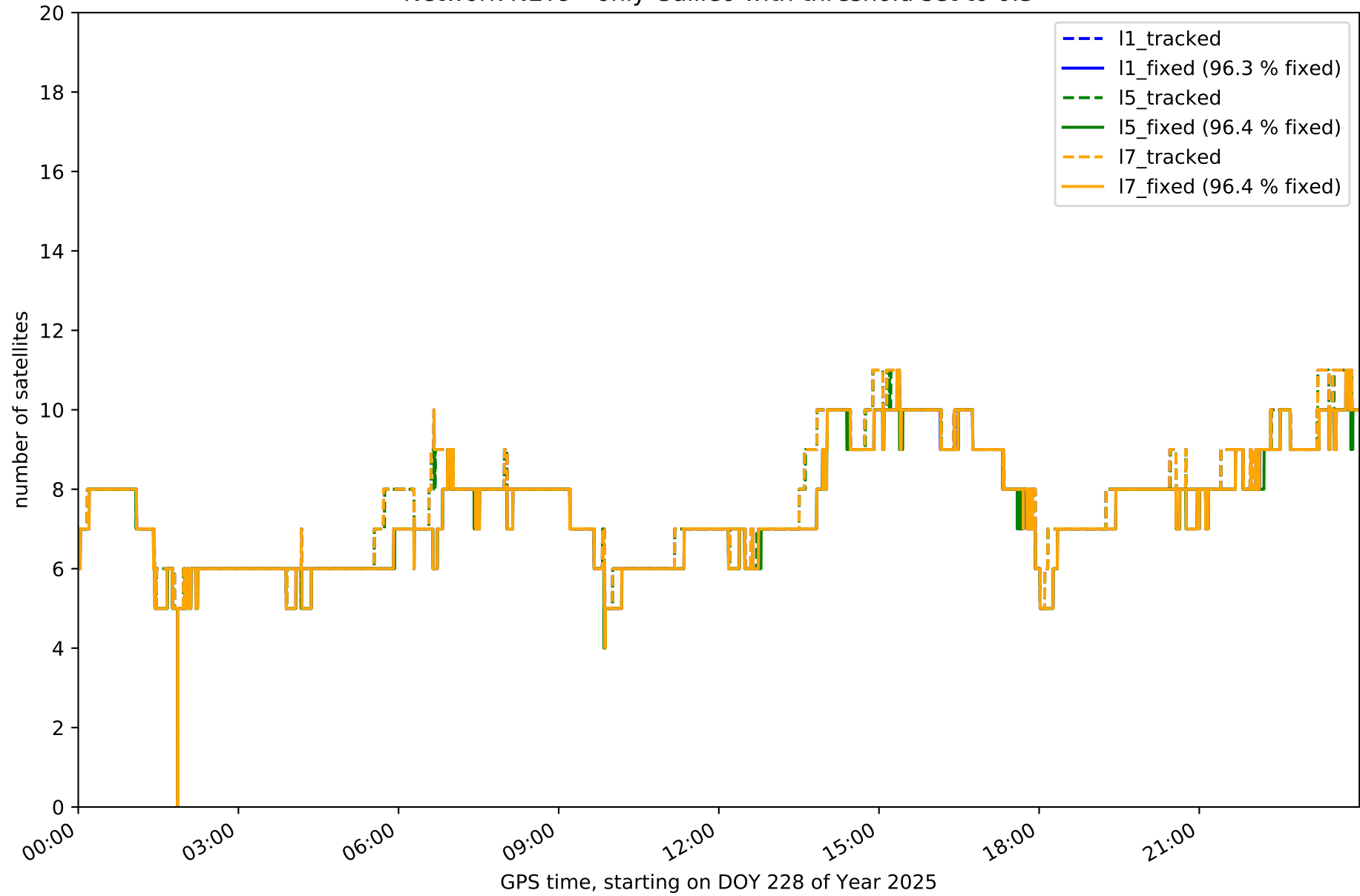
Network NET9 - only GLONASS with threshold set to 0.3



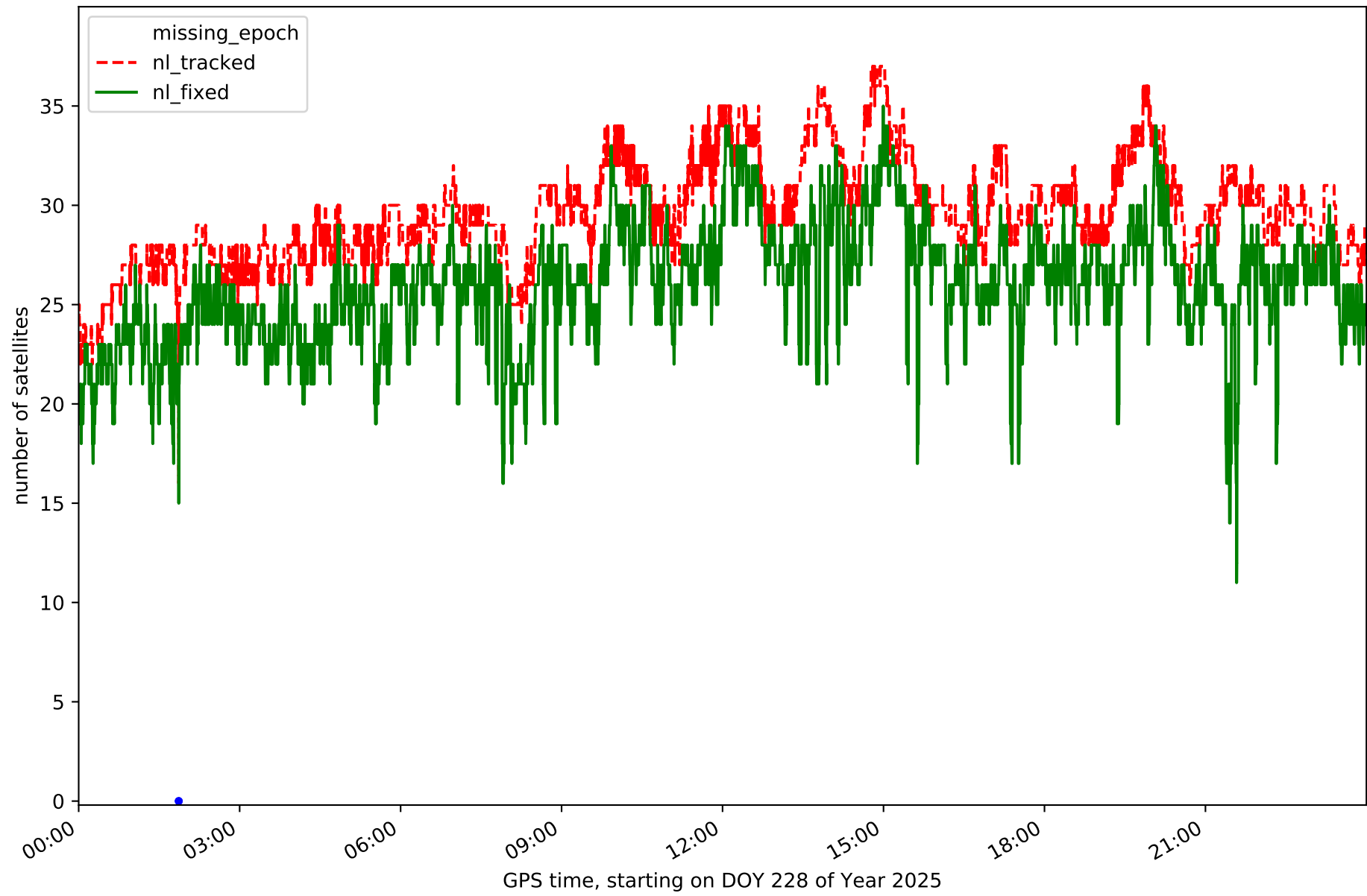
Network NET9 - only BDS with threshold set to 0.3



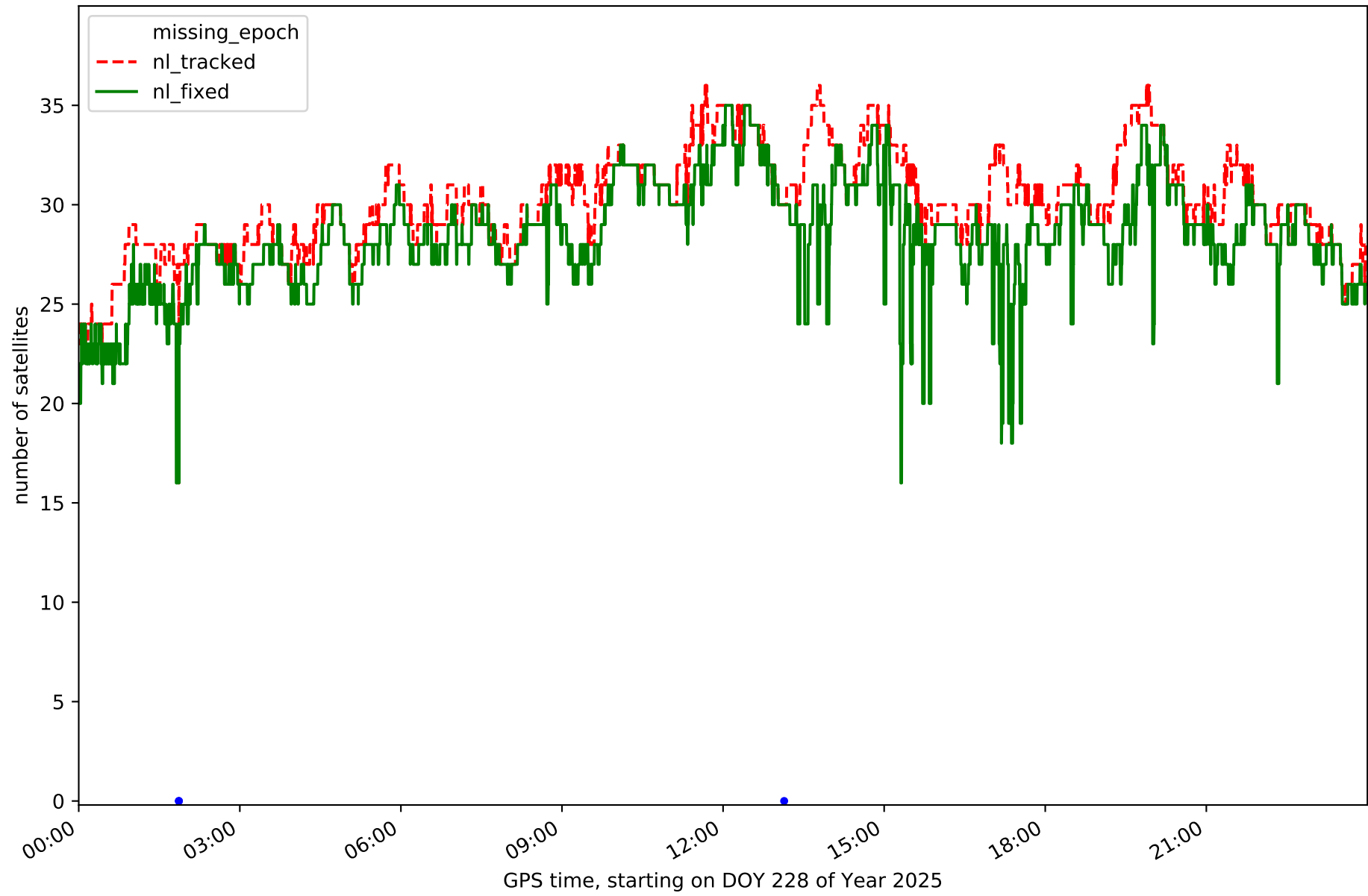
Network NET9 - only Galileo with threshold set to 0.3



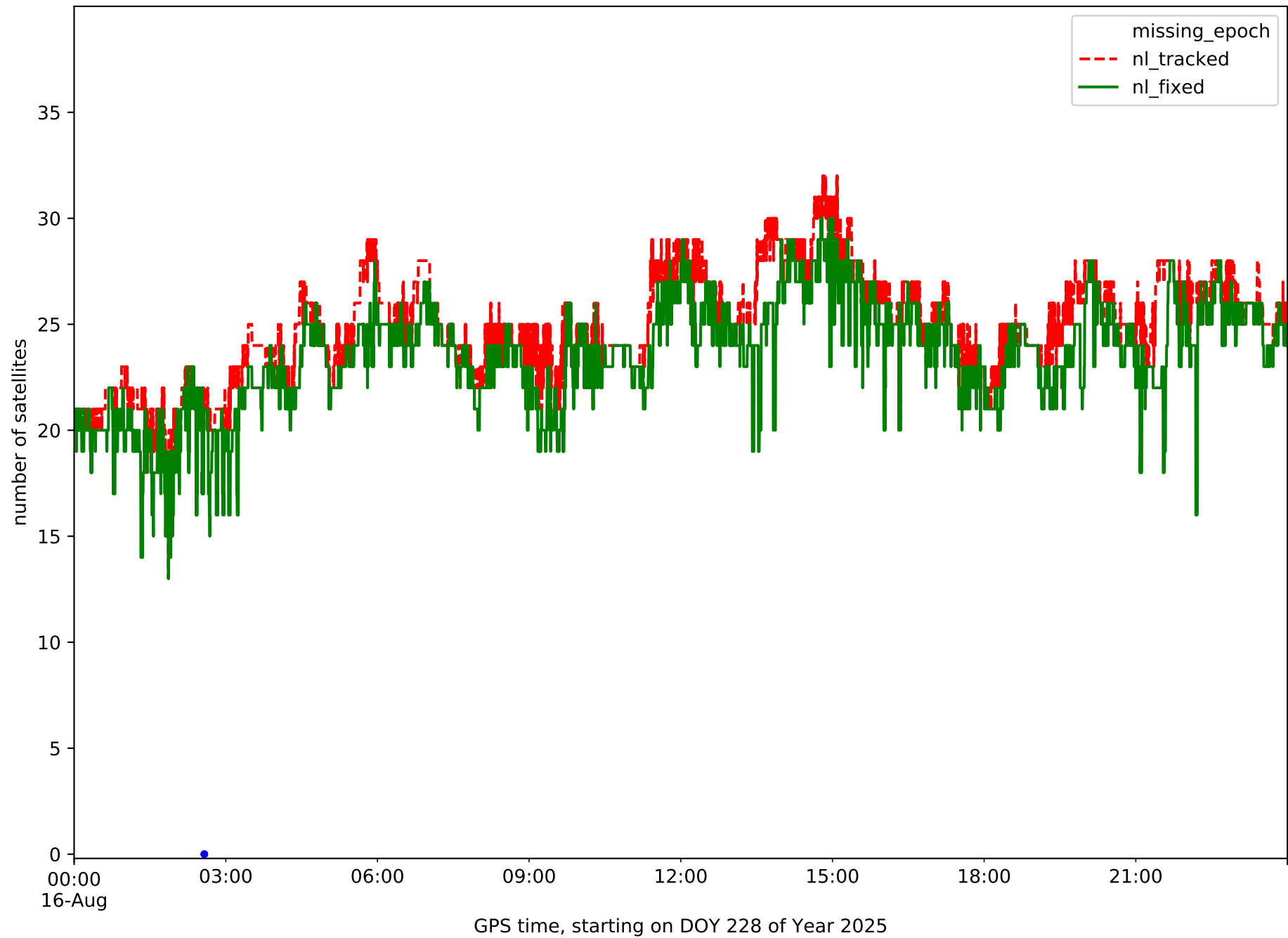
Station ARIB in network NET9



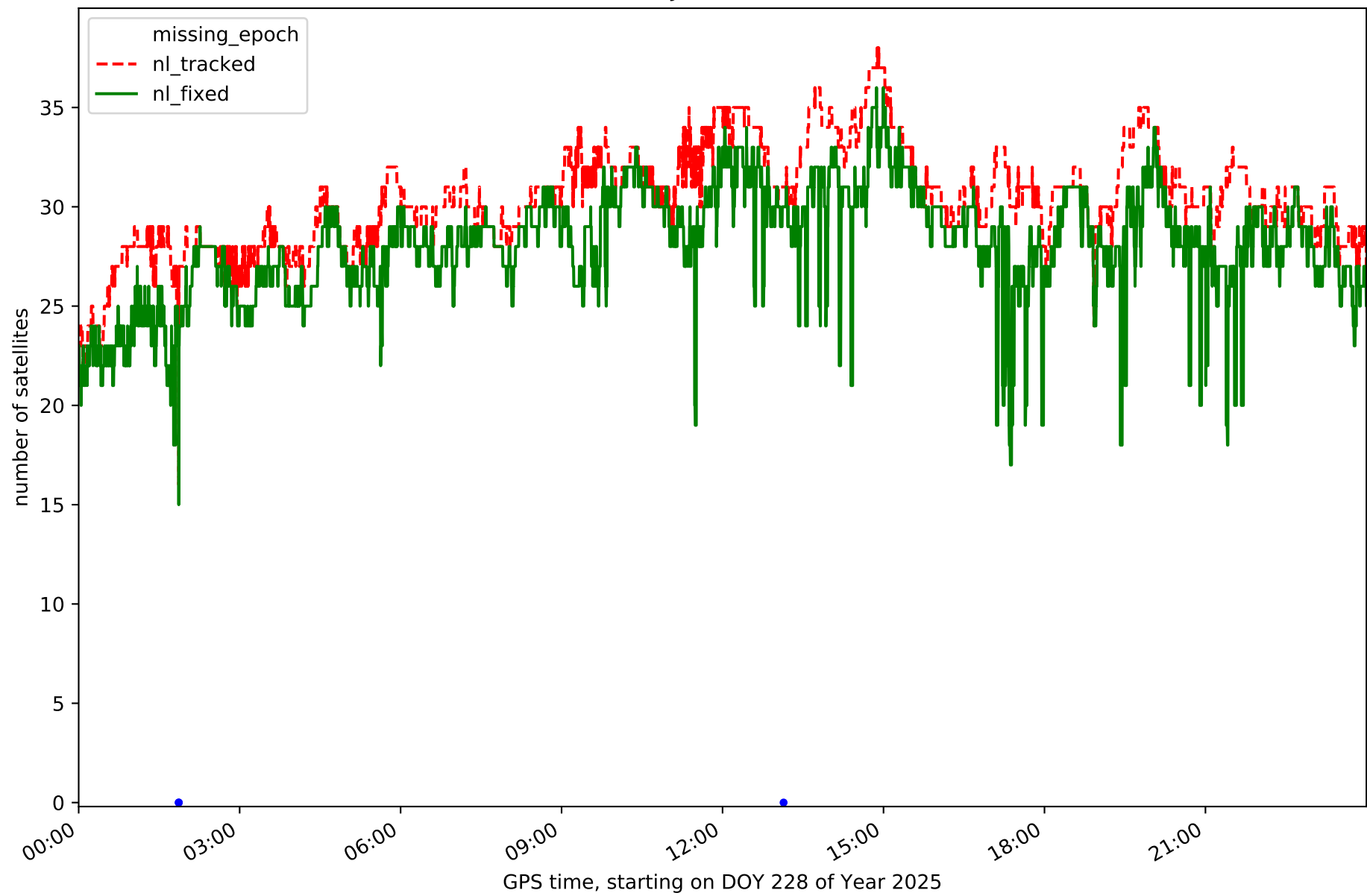
Station BINE in network NET9



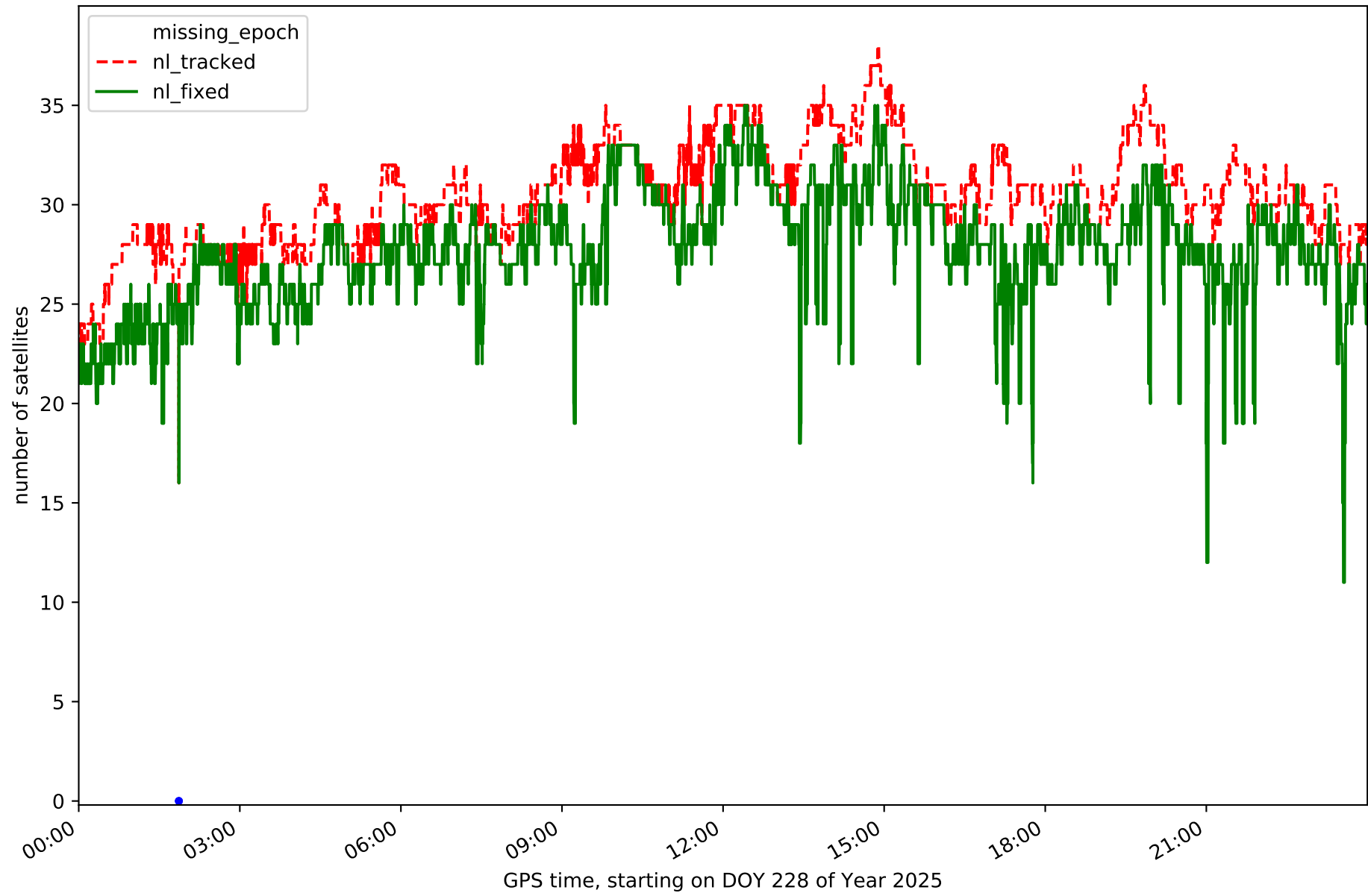
Station BLGU in network NET9



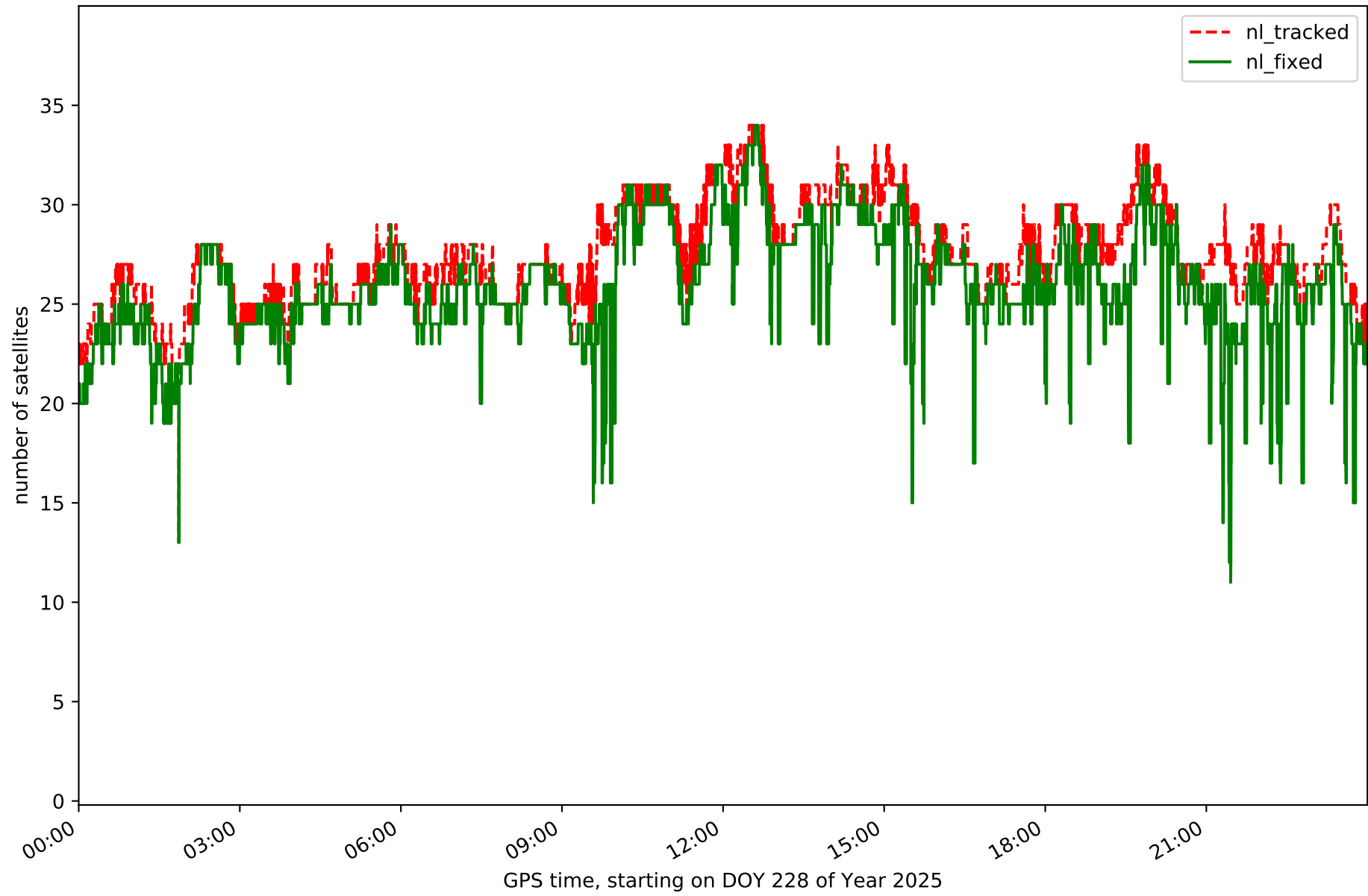
Station BRJA in network NET9



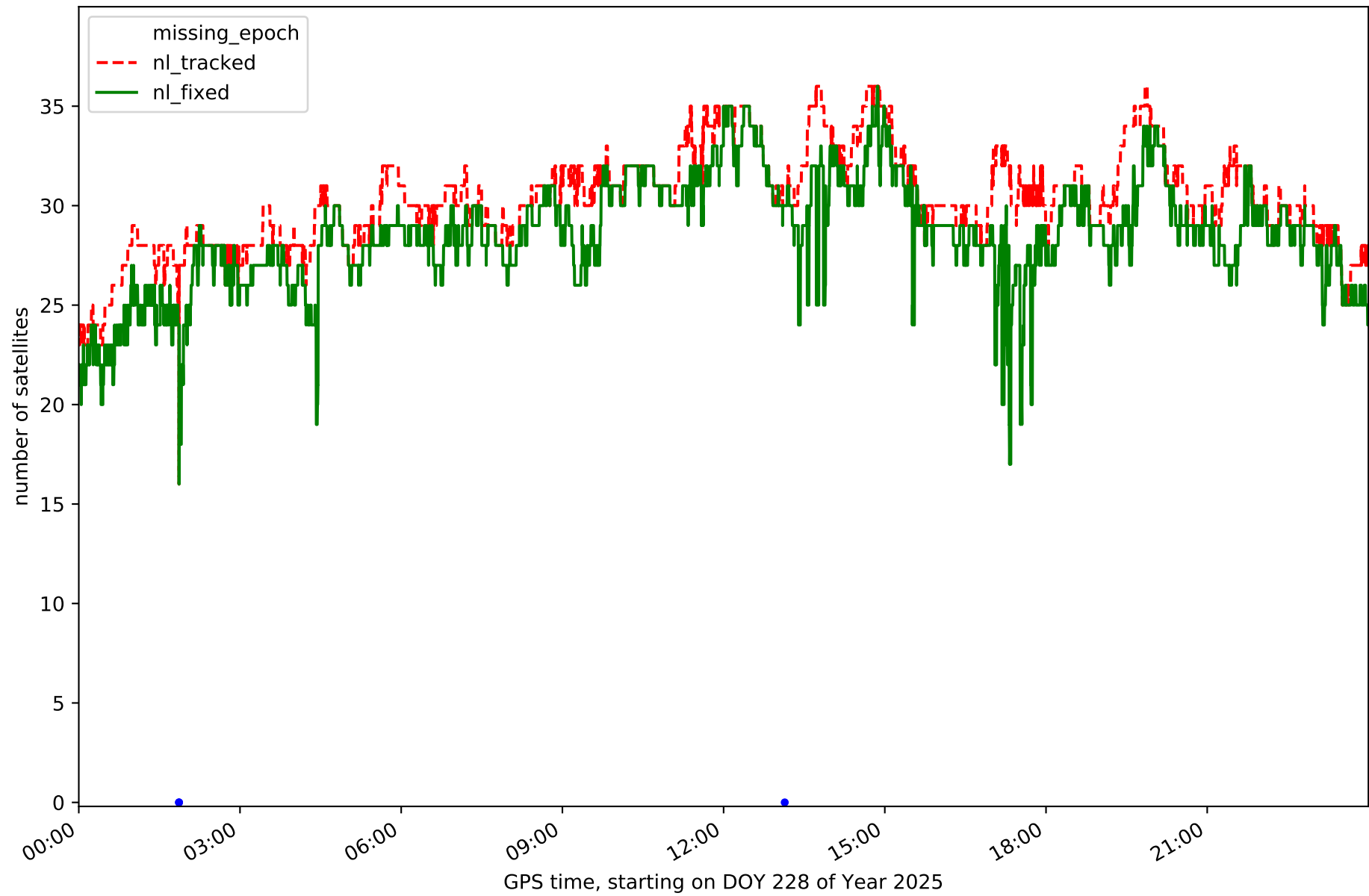
Station CARC in network NET9



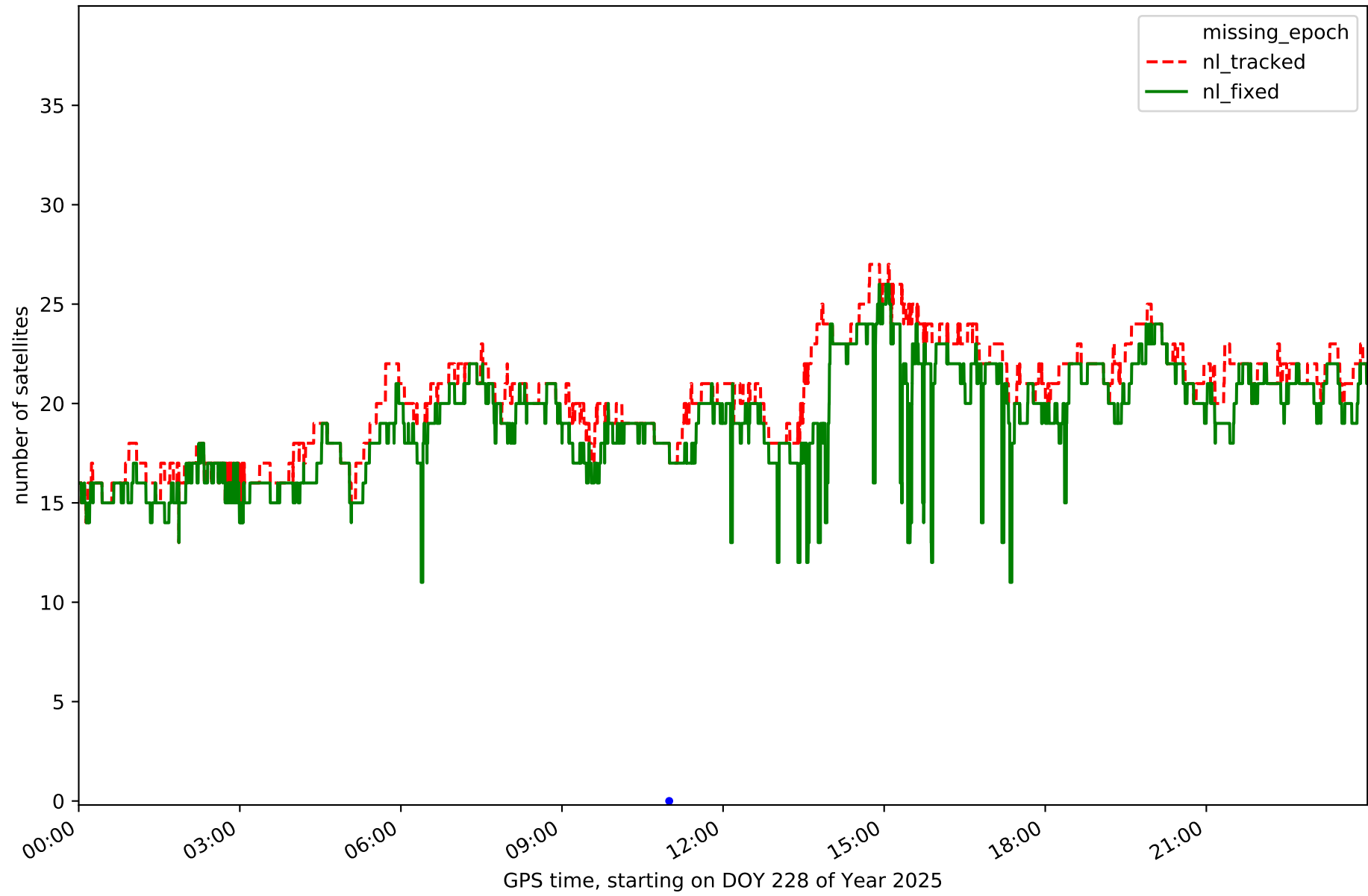
Station CSOS in network NET9



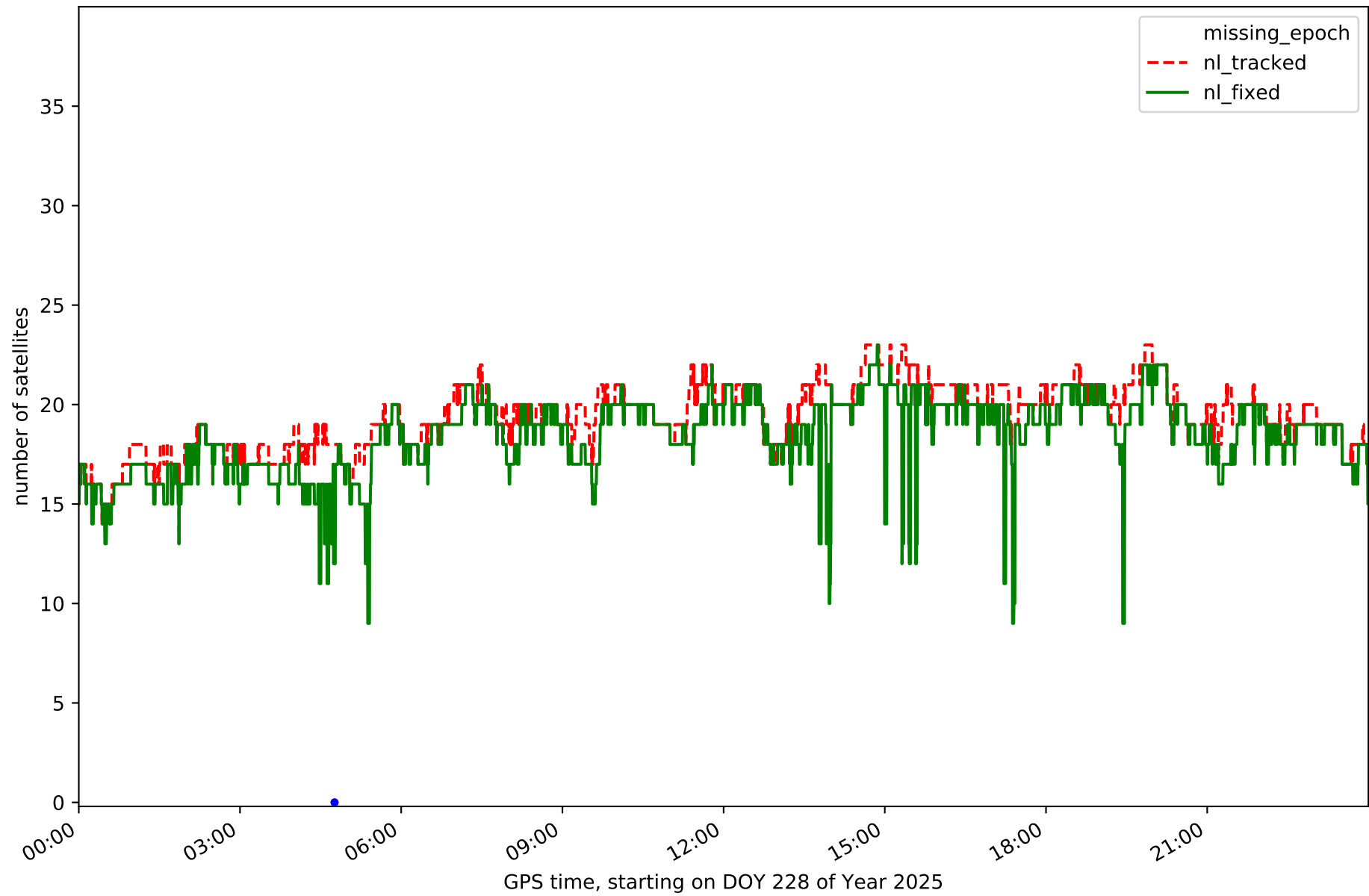
Station EJEa in network NET9



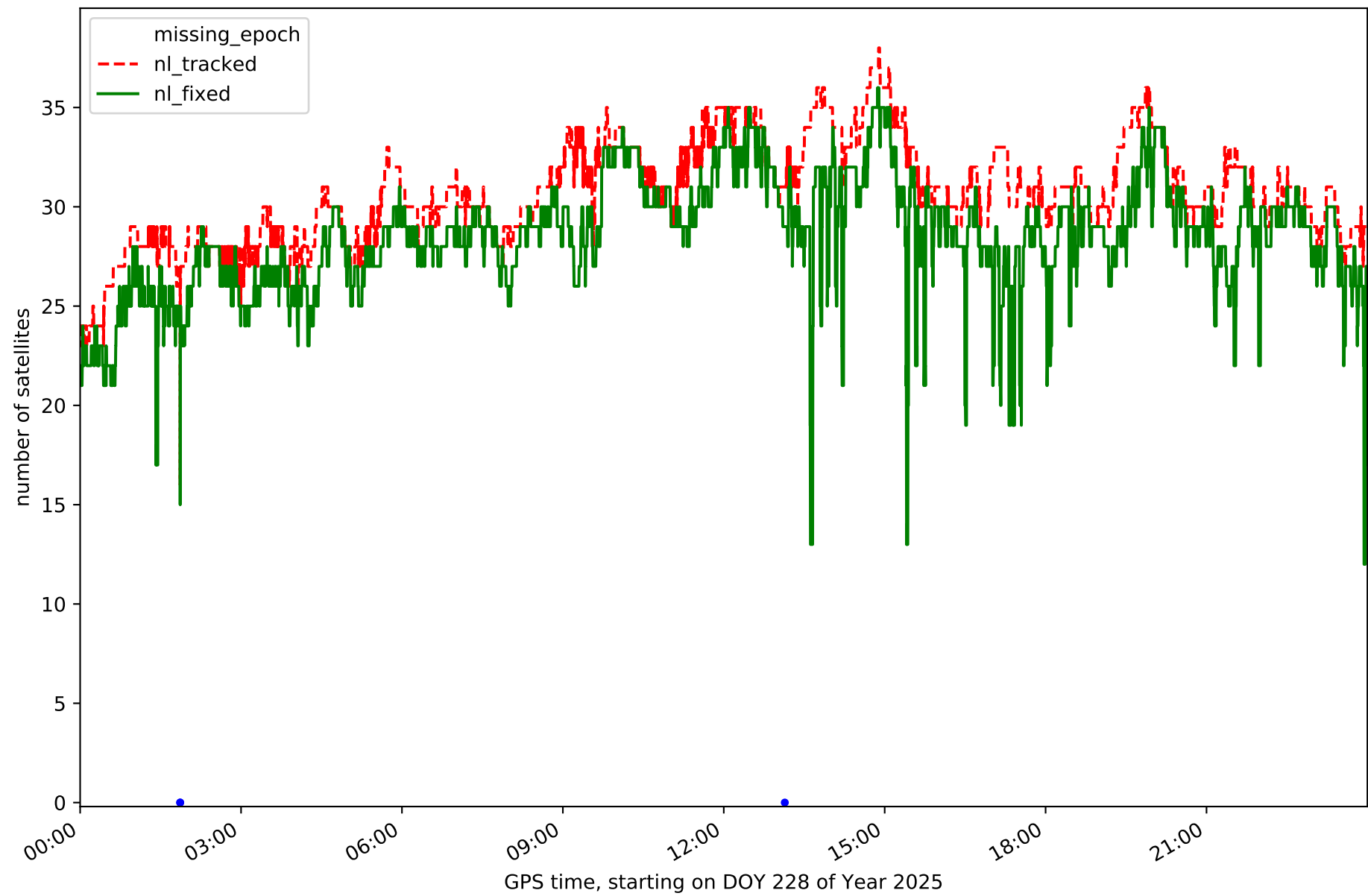
Station FRAG in network NET9



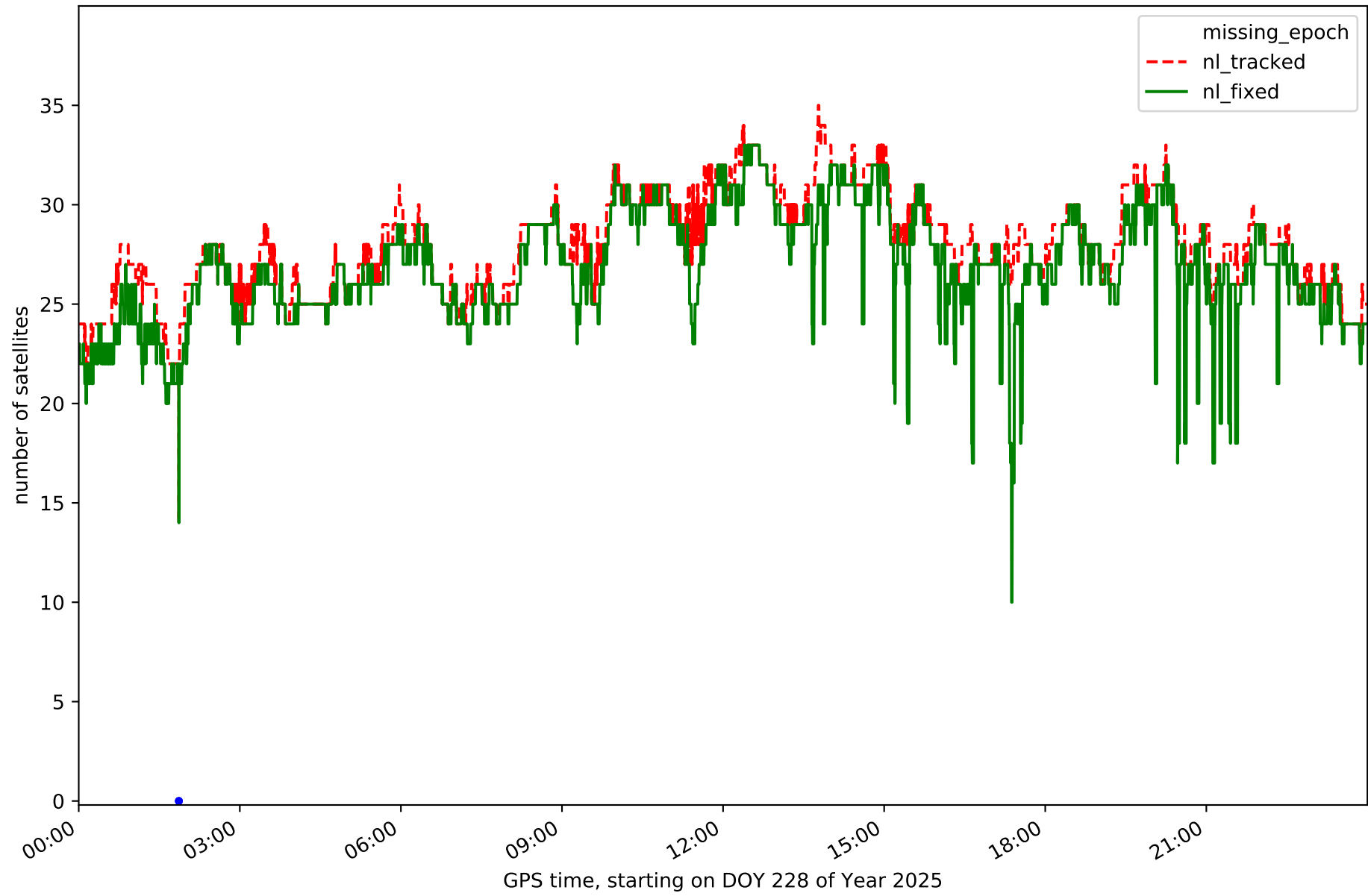
Station JACA in network NET9



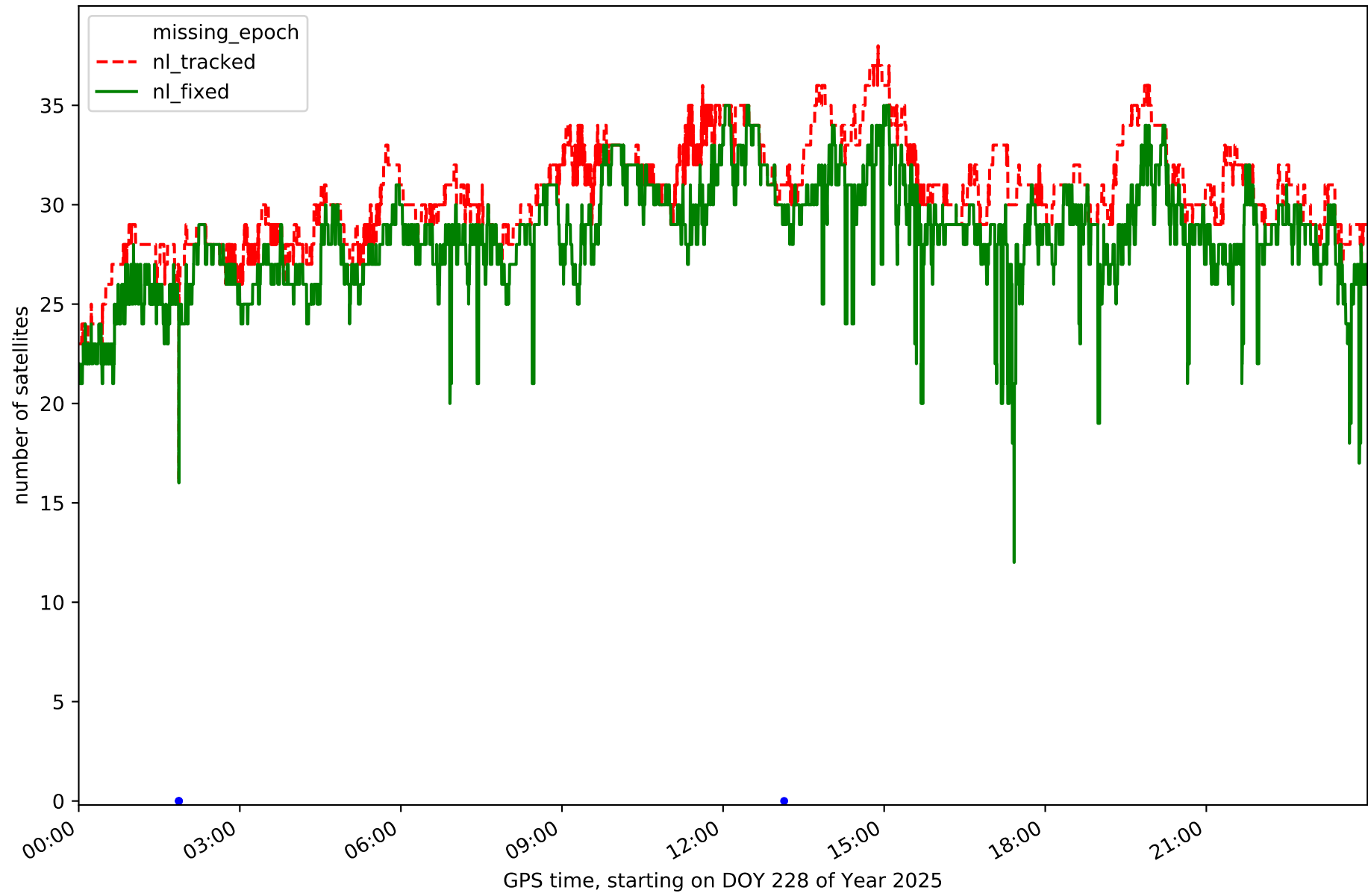
Station OSCA in network NET9



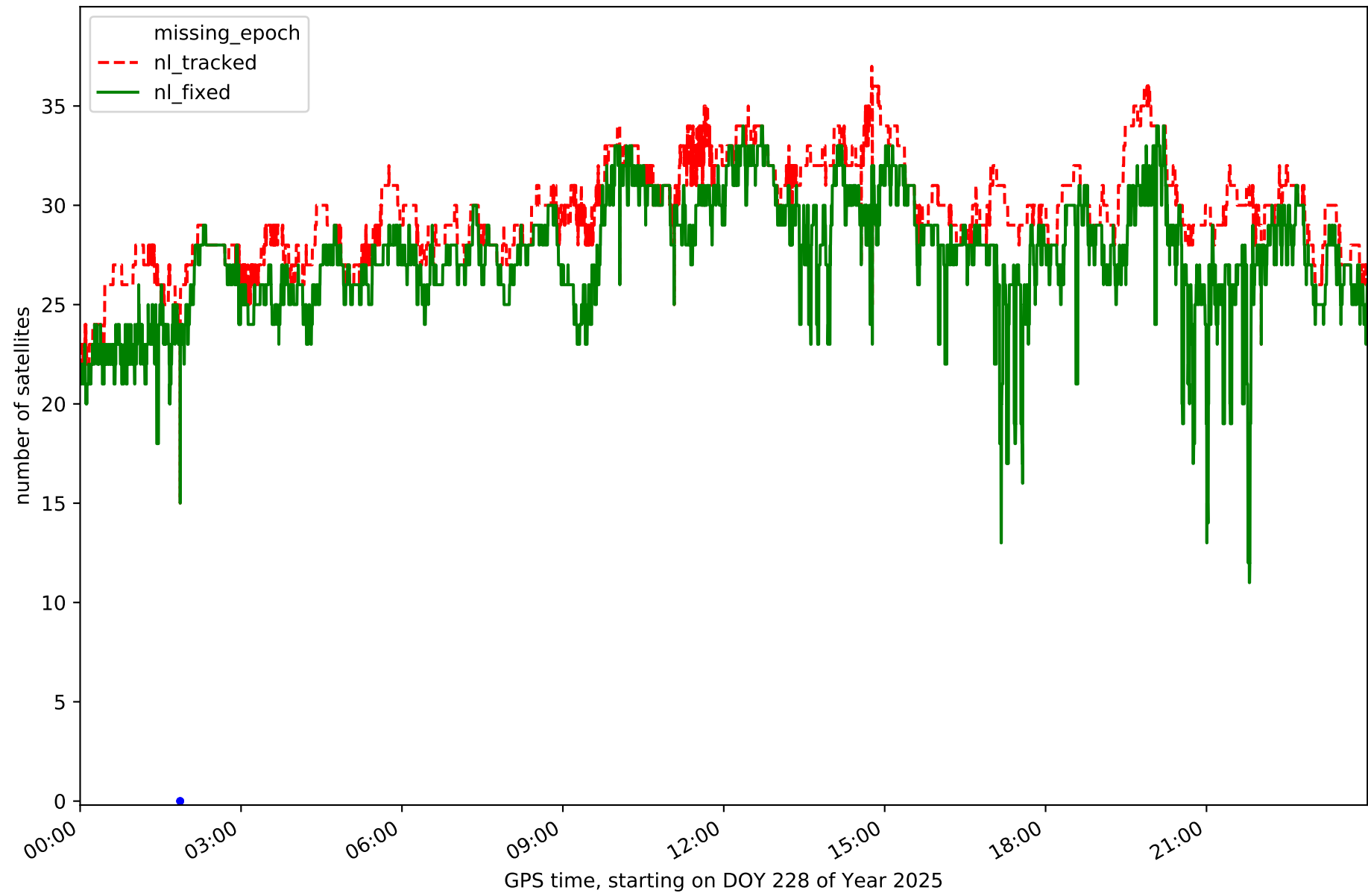
Station RONL in network NET9



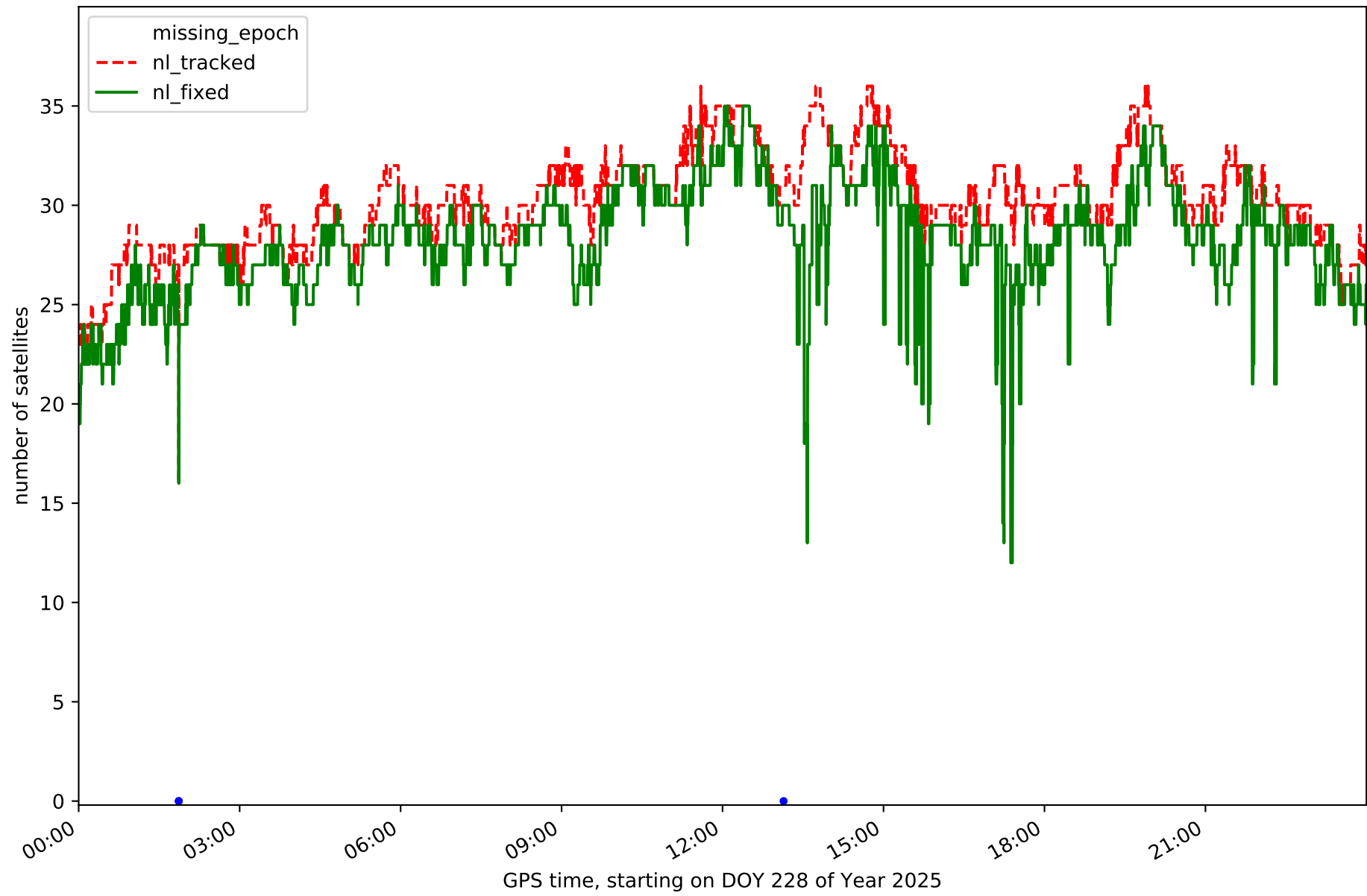
Station SABI in network NET9



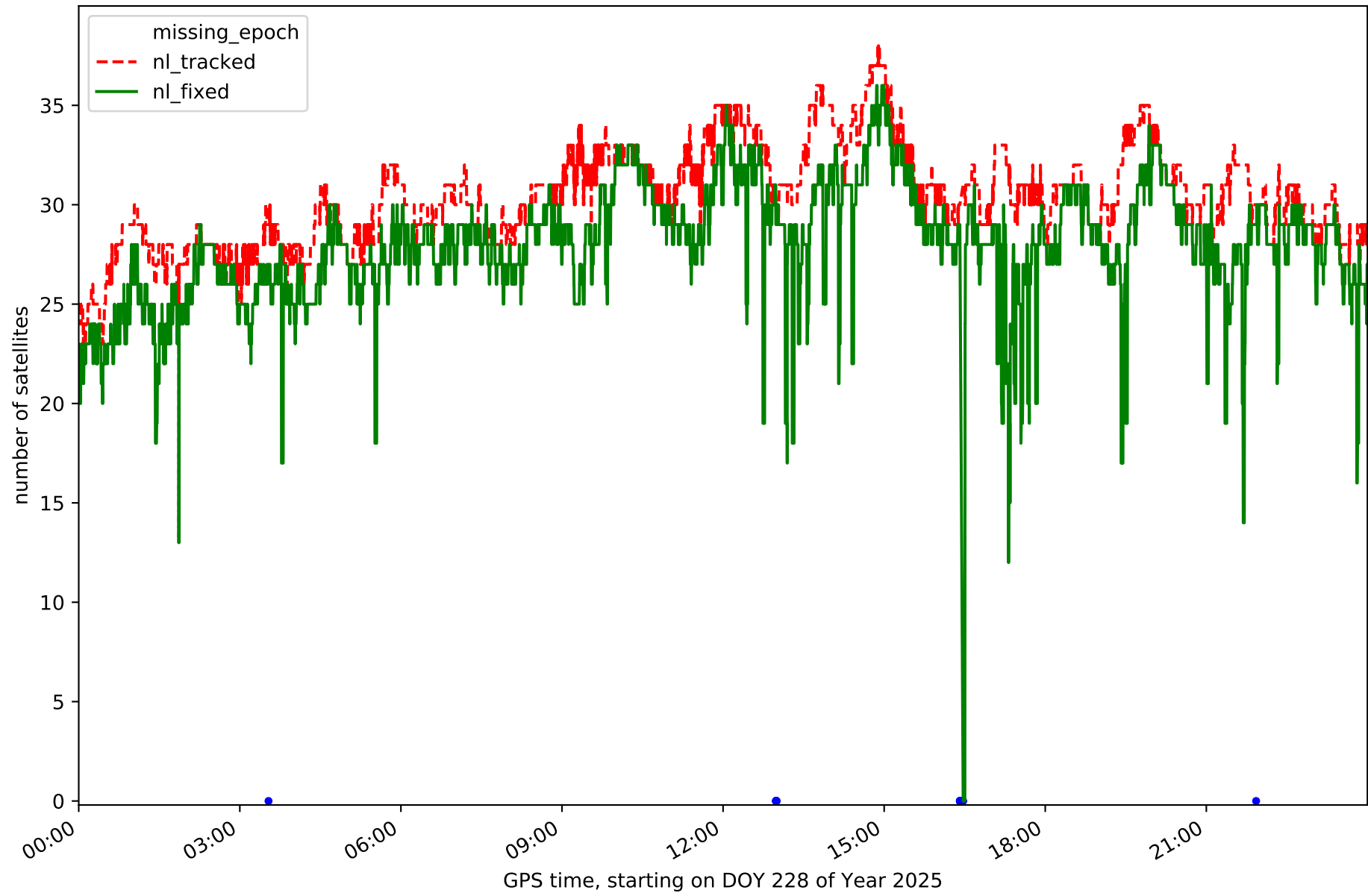
Station SANS in network NET9



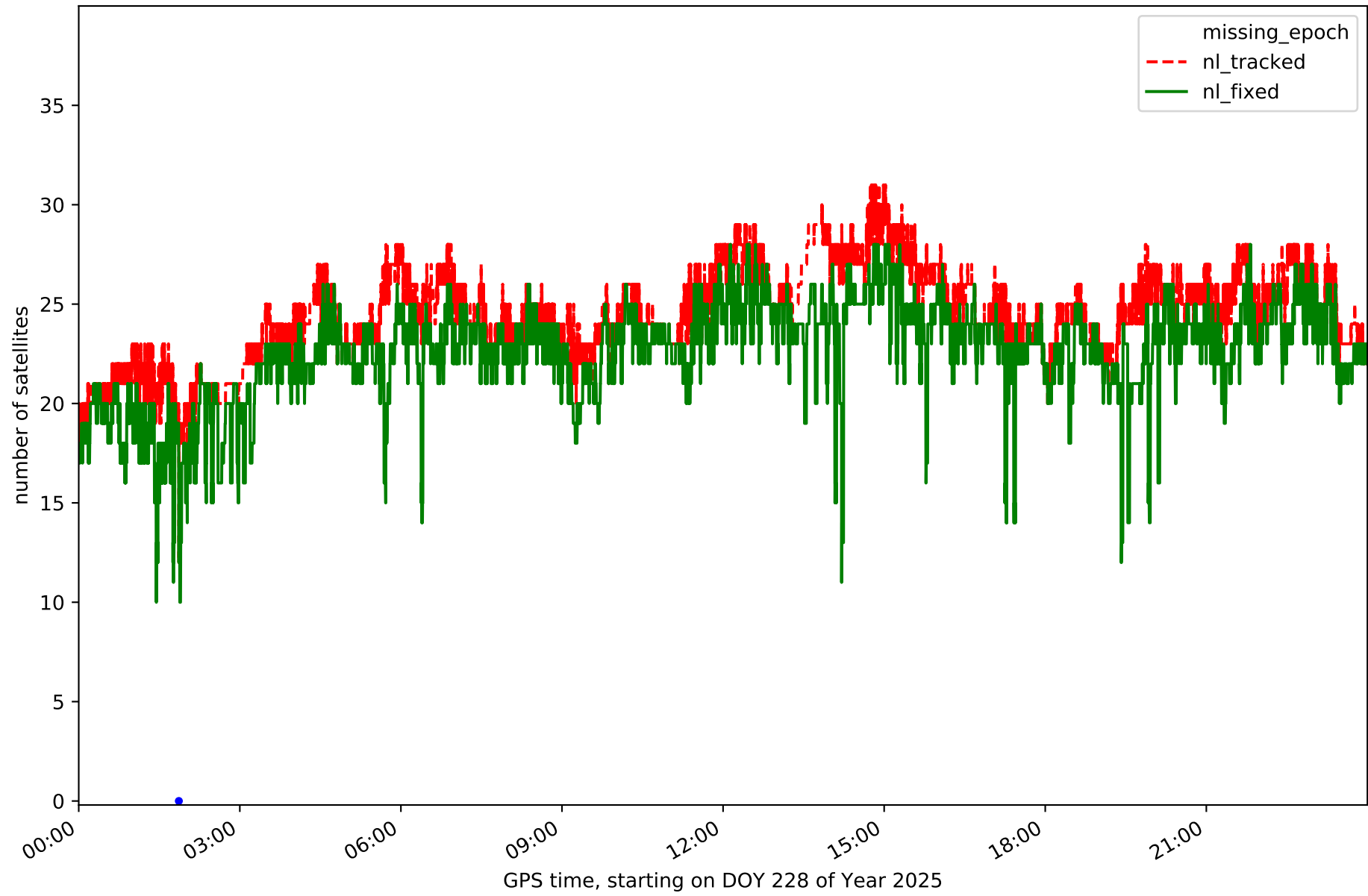
Station SRNA in network NET9



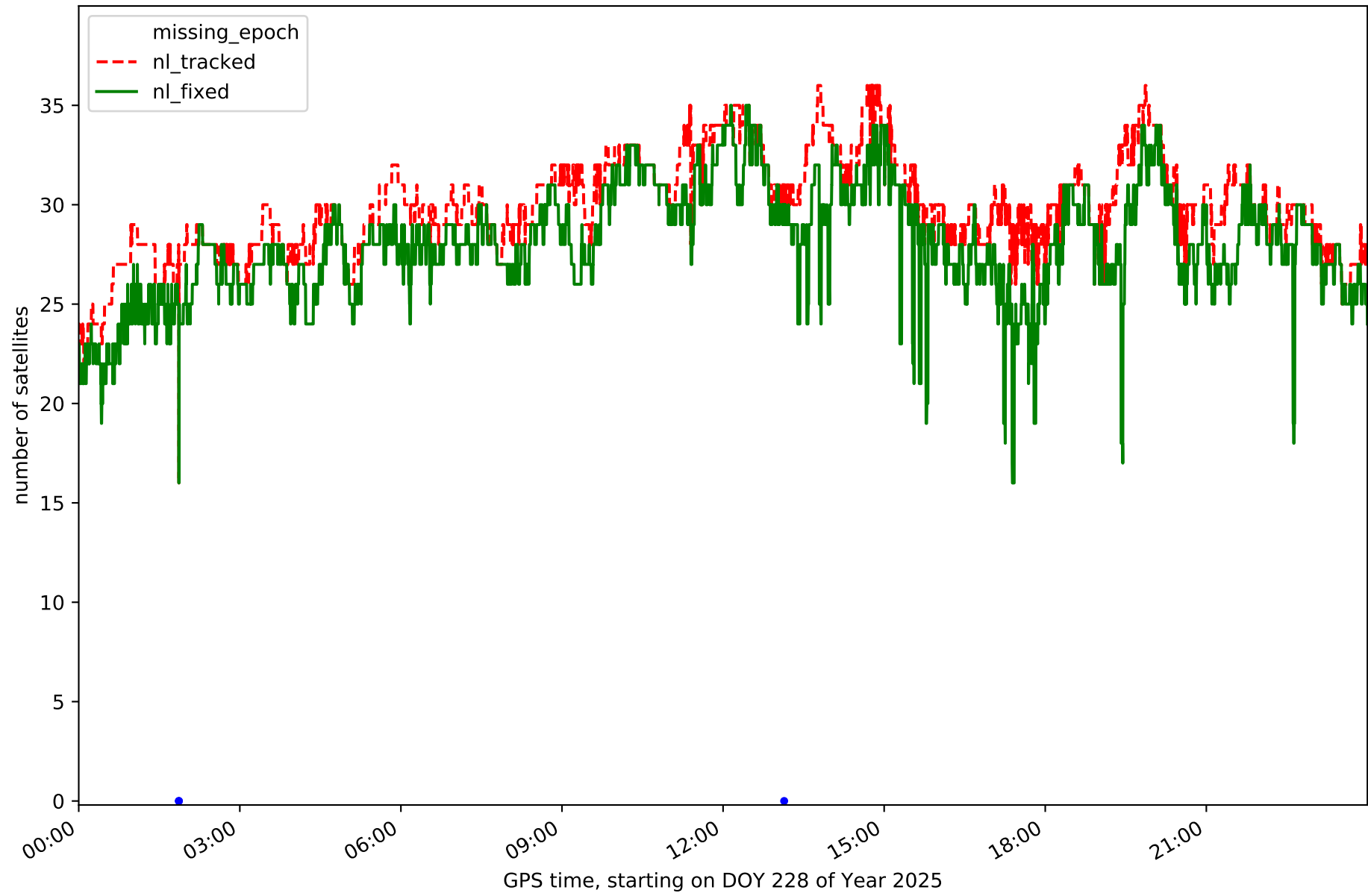
Station TUD1 in network NET9



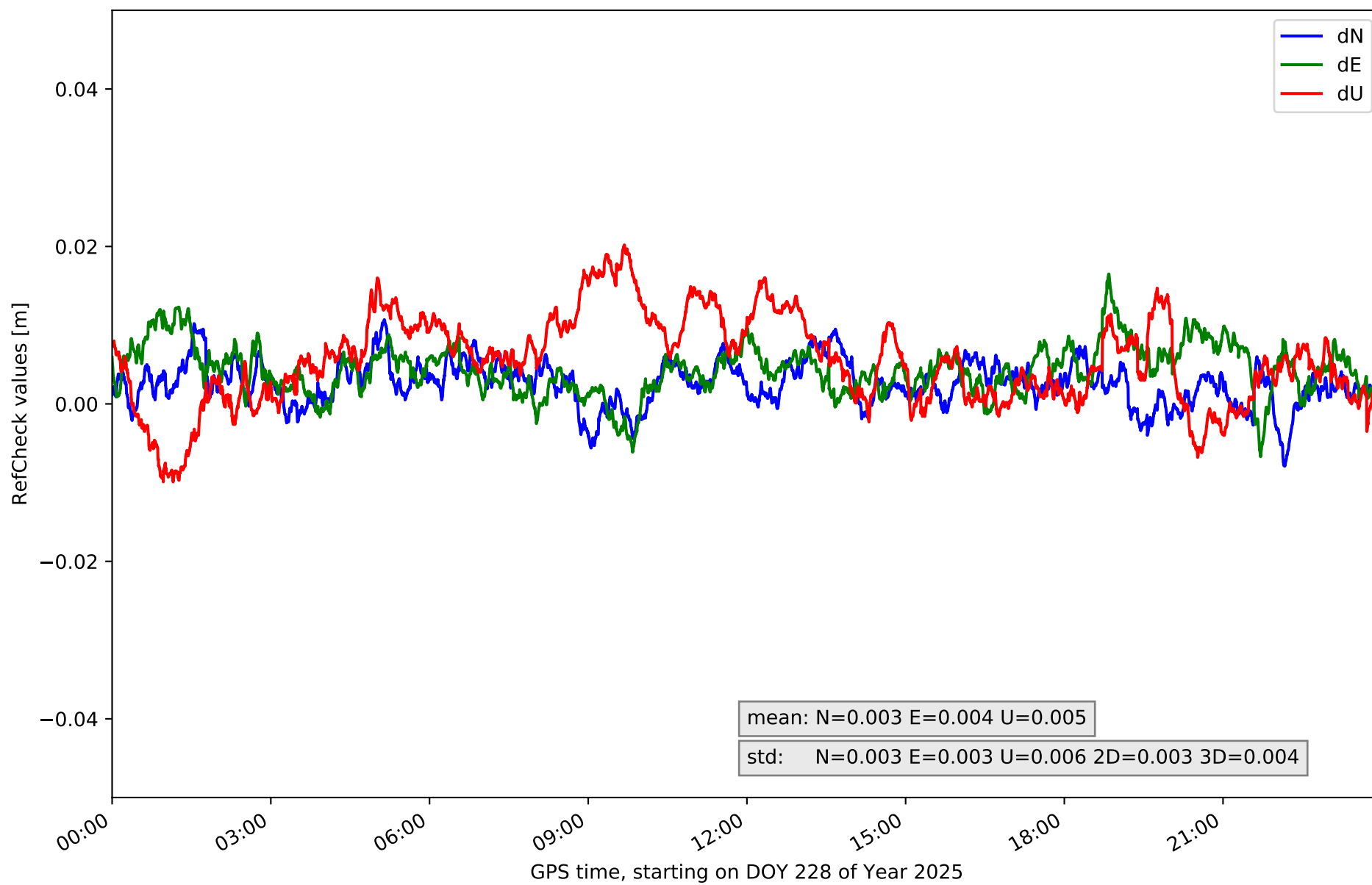
Station ZARA in network NET9



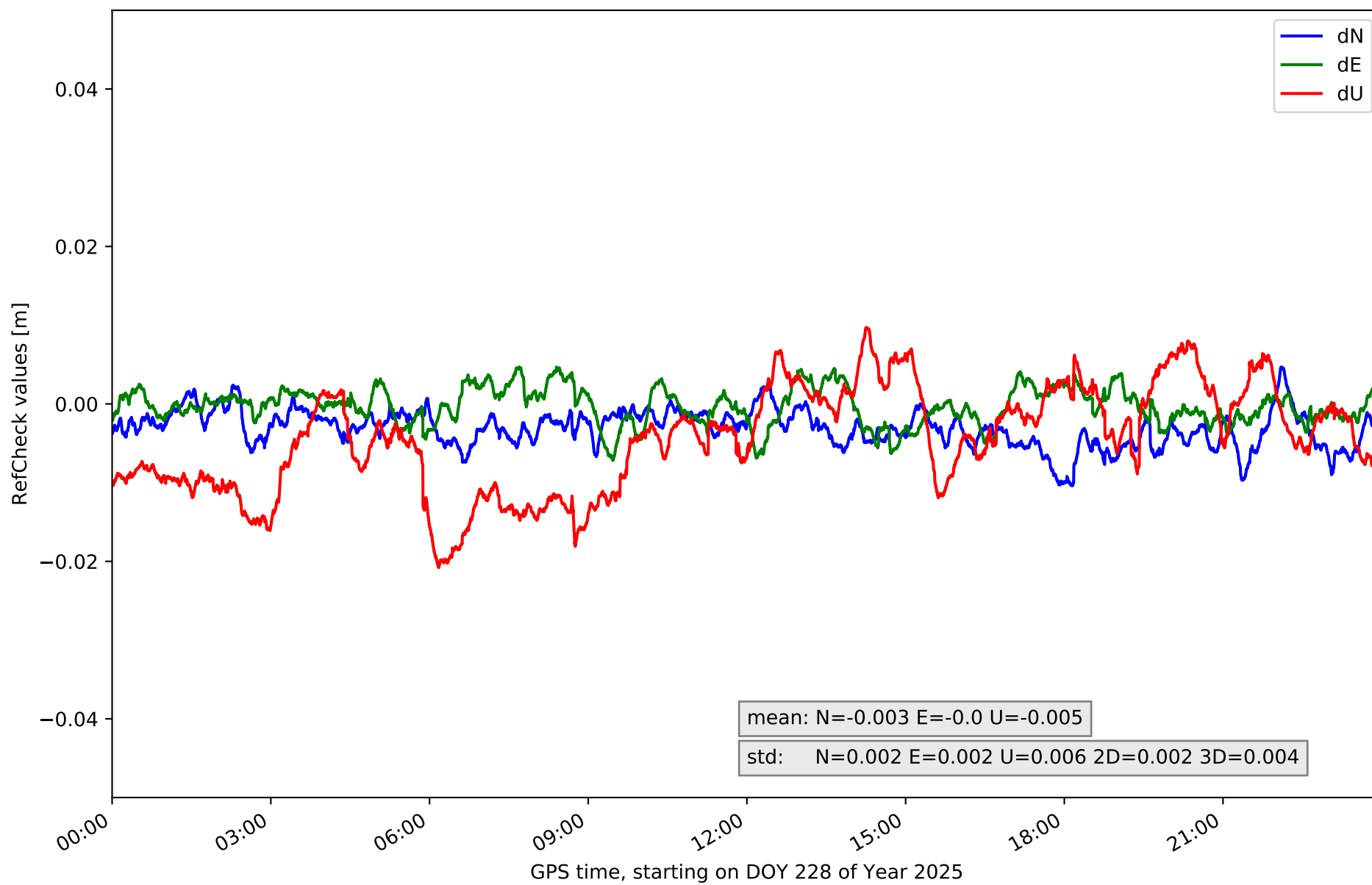
Station ZUER in network NET9



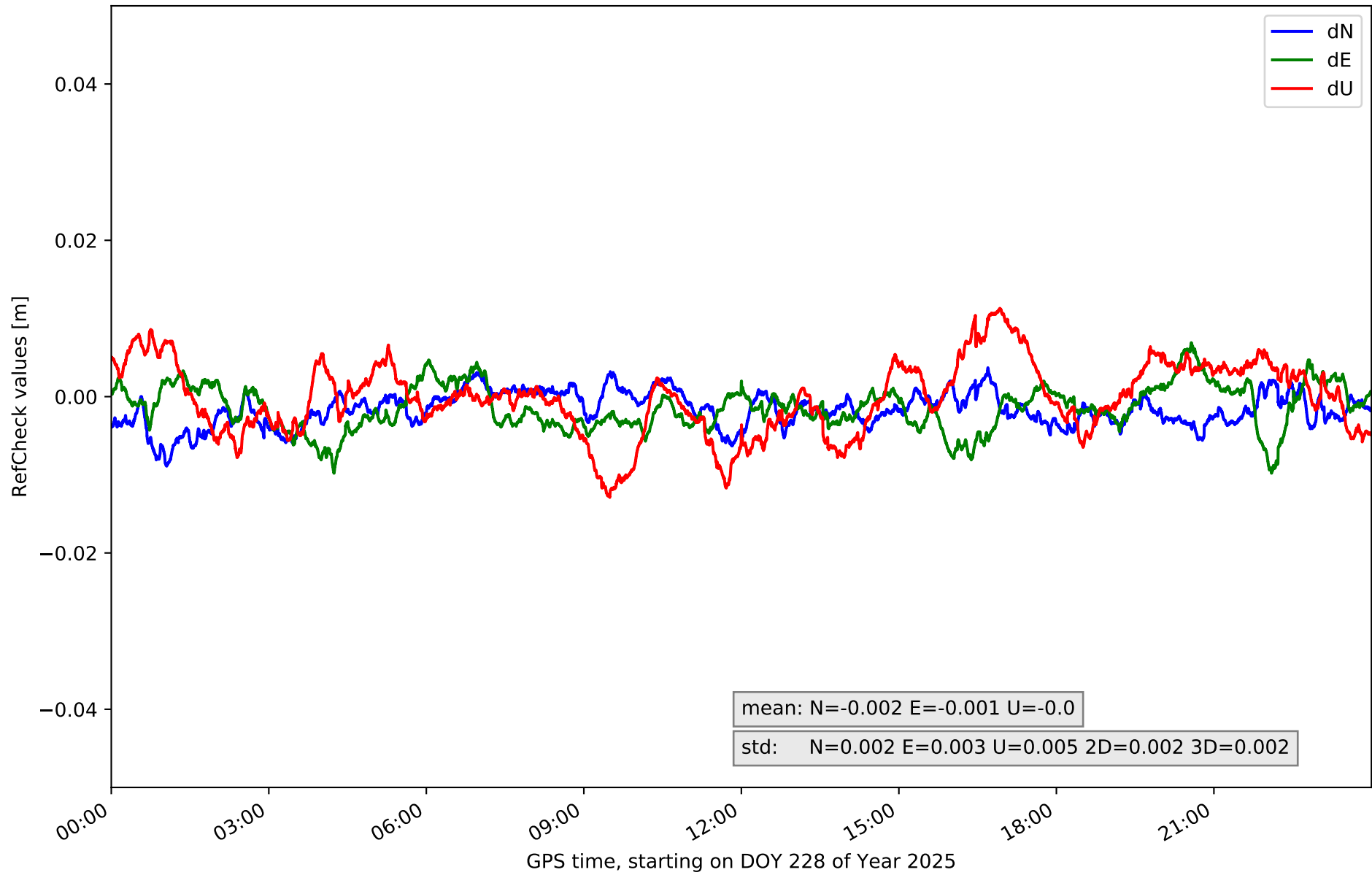
RefCheck for station ARIB in network NET9



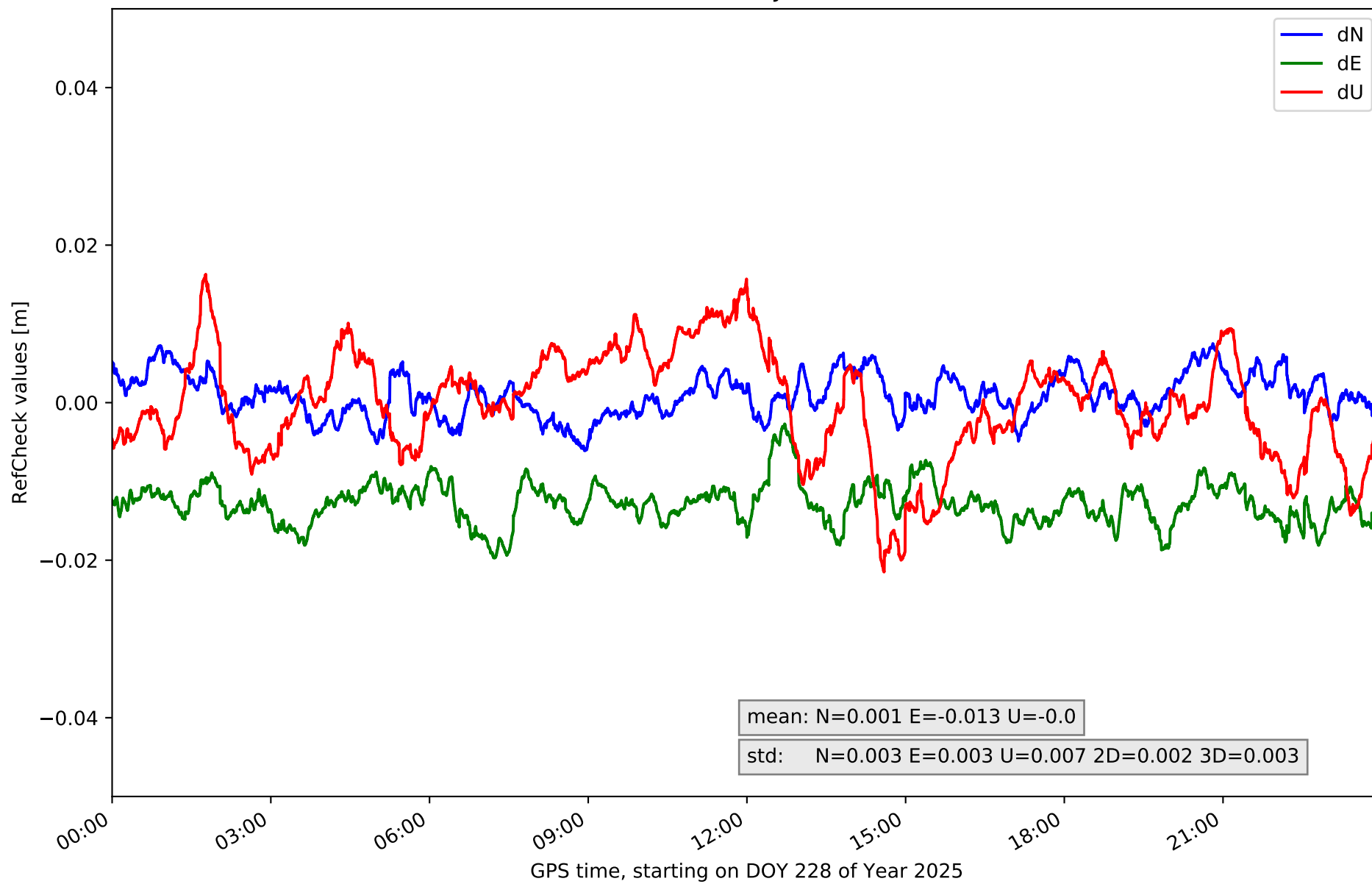
RefCheck for station BINE in network NET9



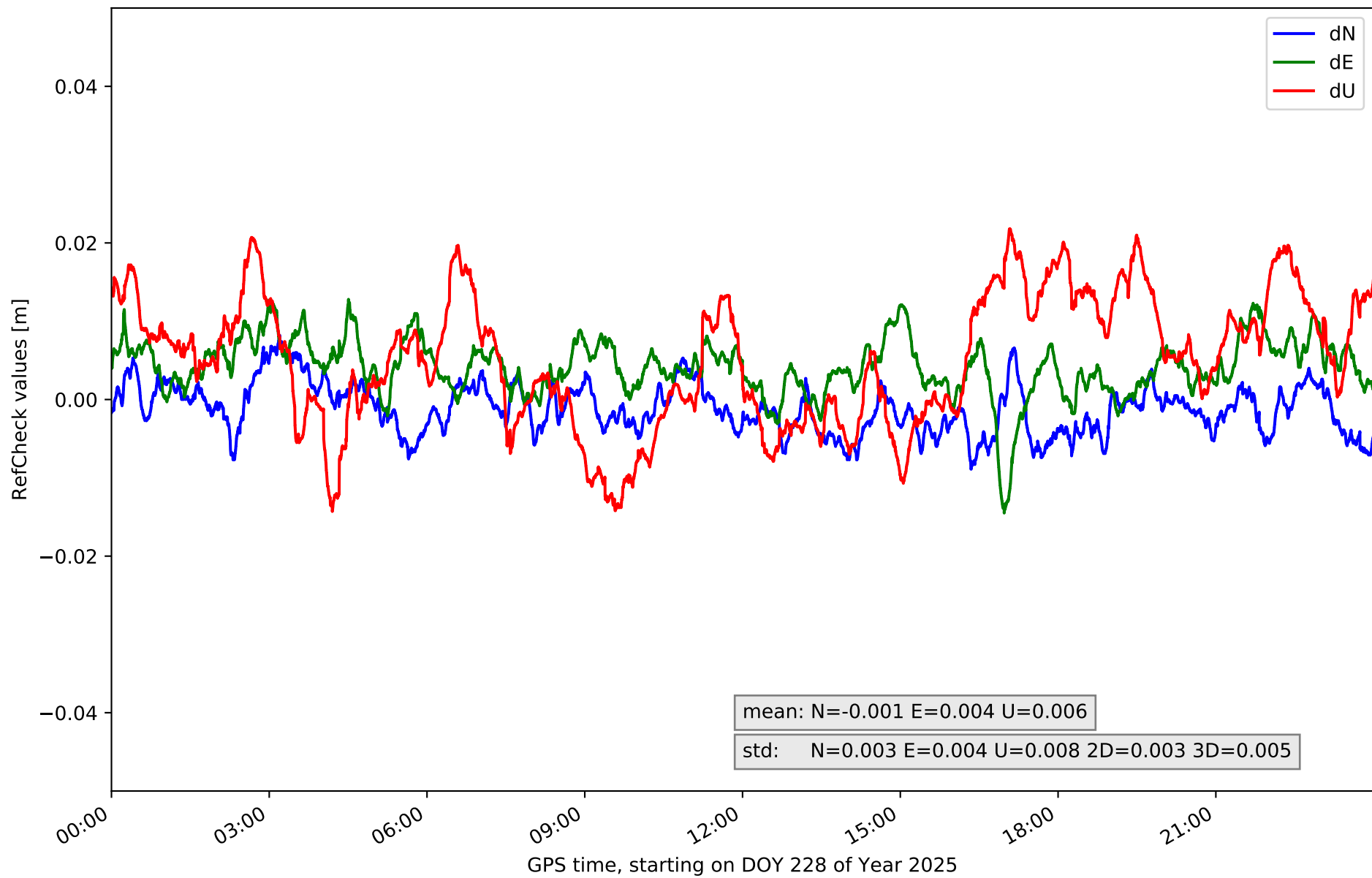
RefCheck for station BLGU in network NET9



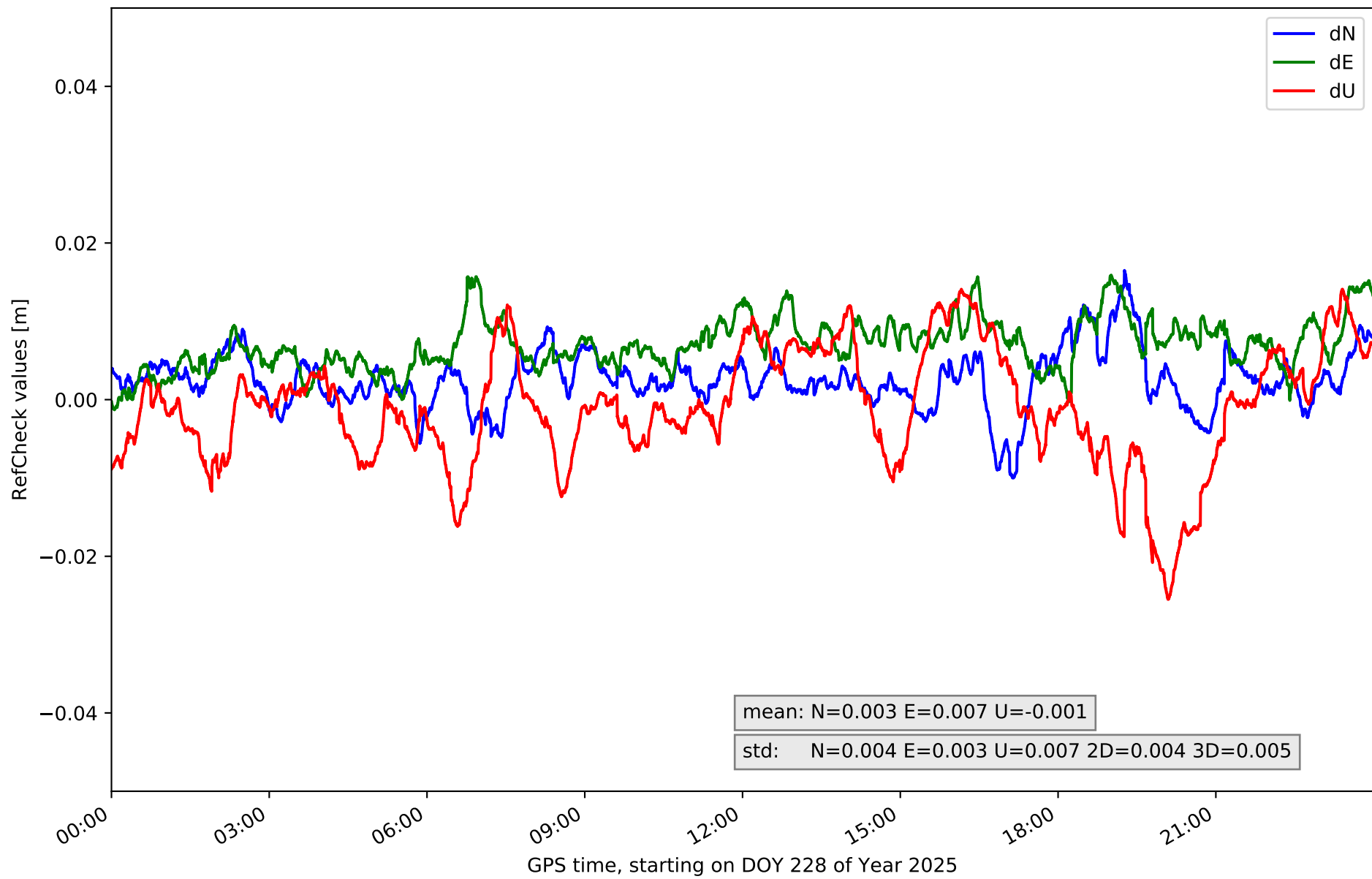
RefCheck for station BRJA in network NET9



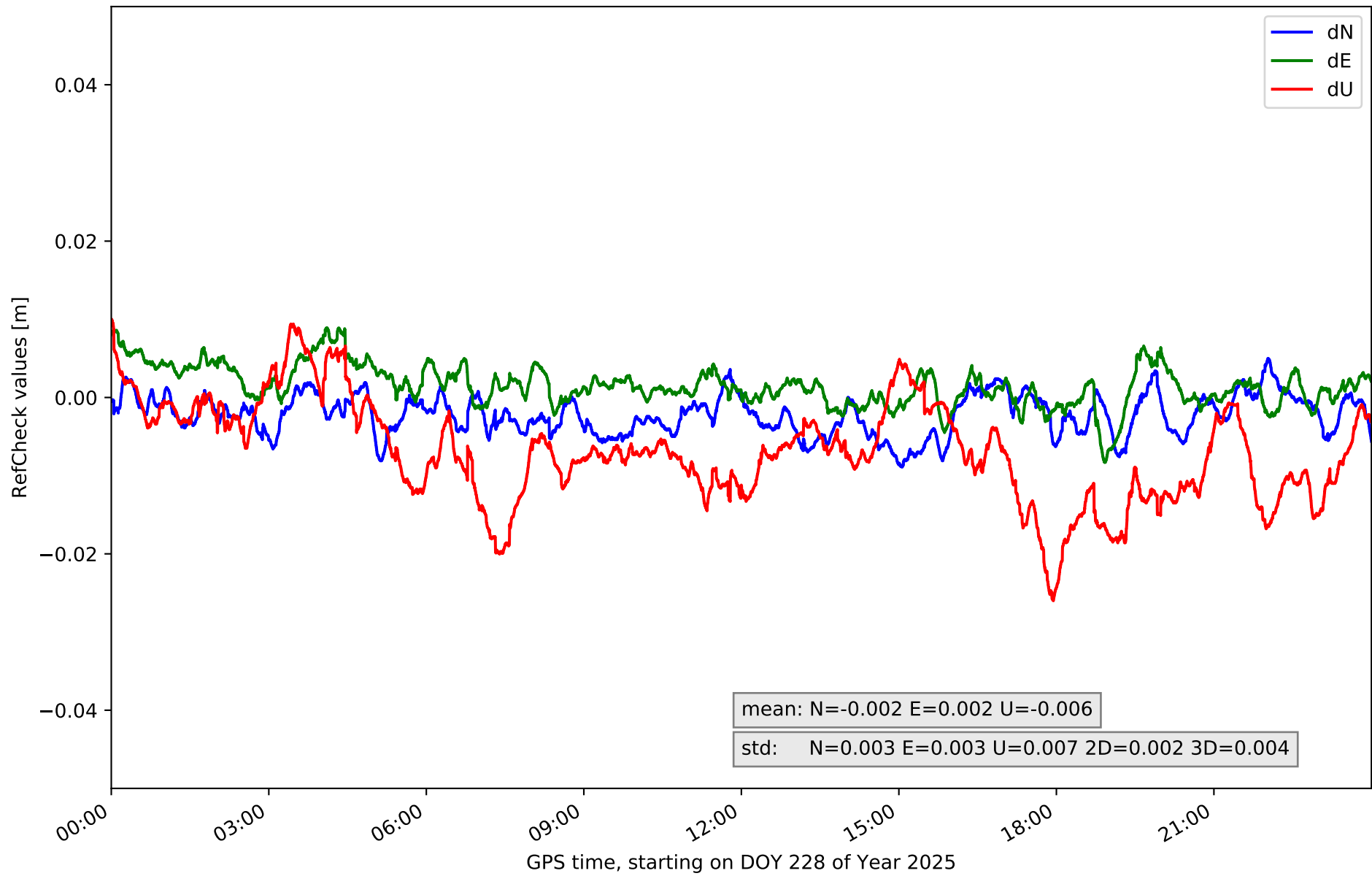
RefCheck for station CARC in network NET9



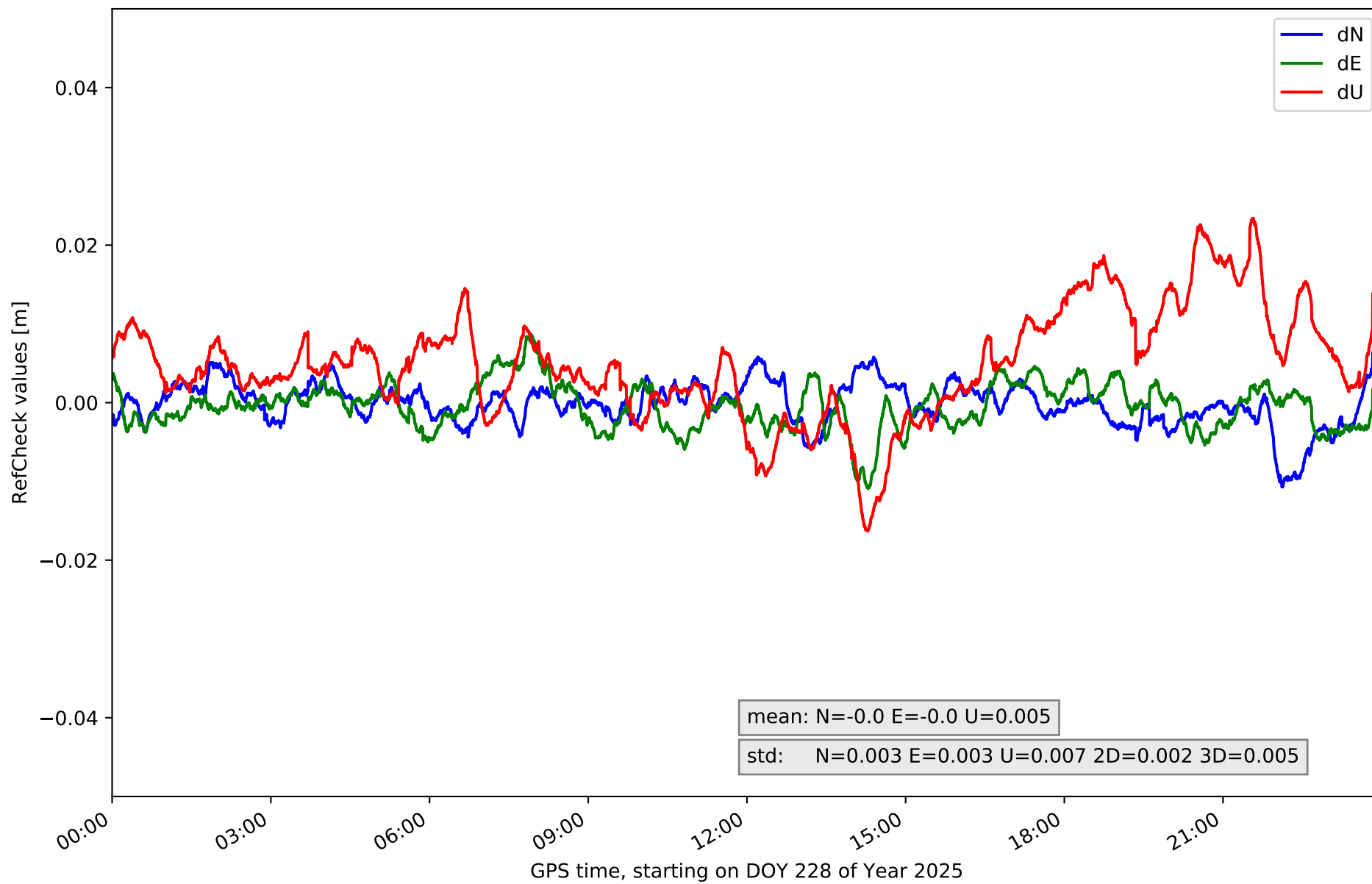
RefCheck for station CSOS in network NET9



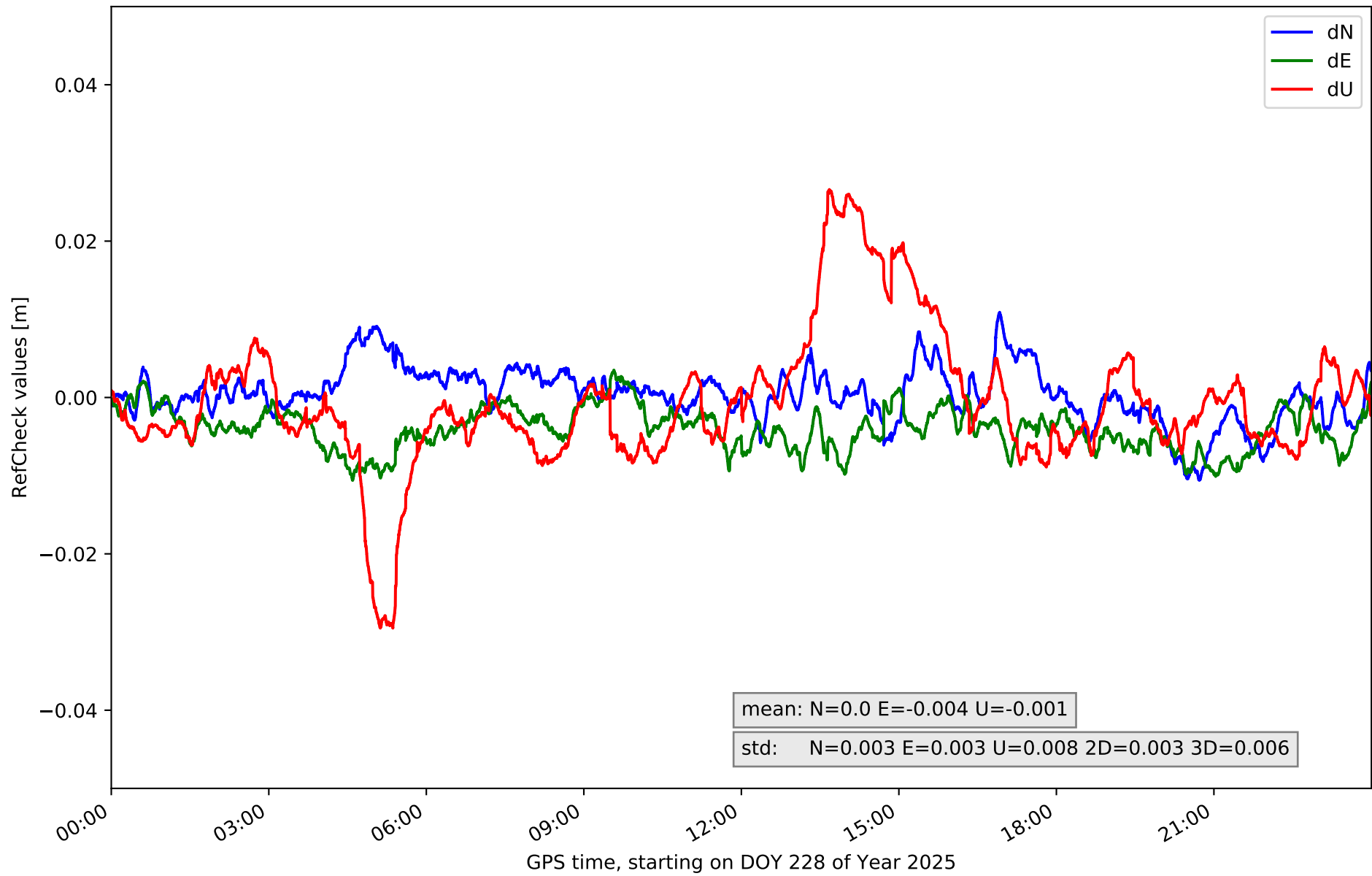
RefCheck for station EJEA in network NET9



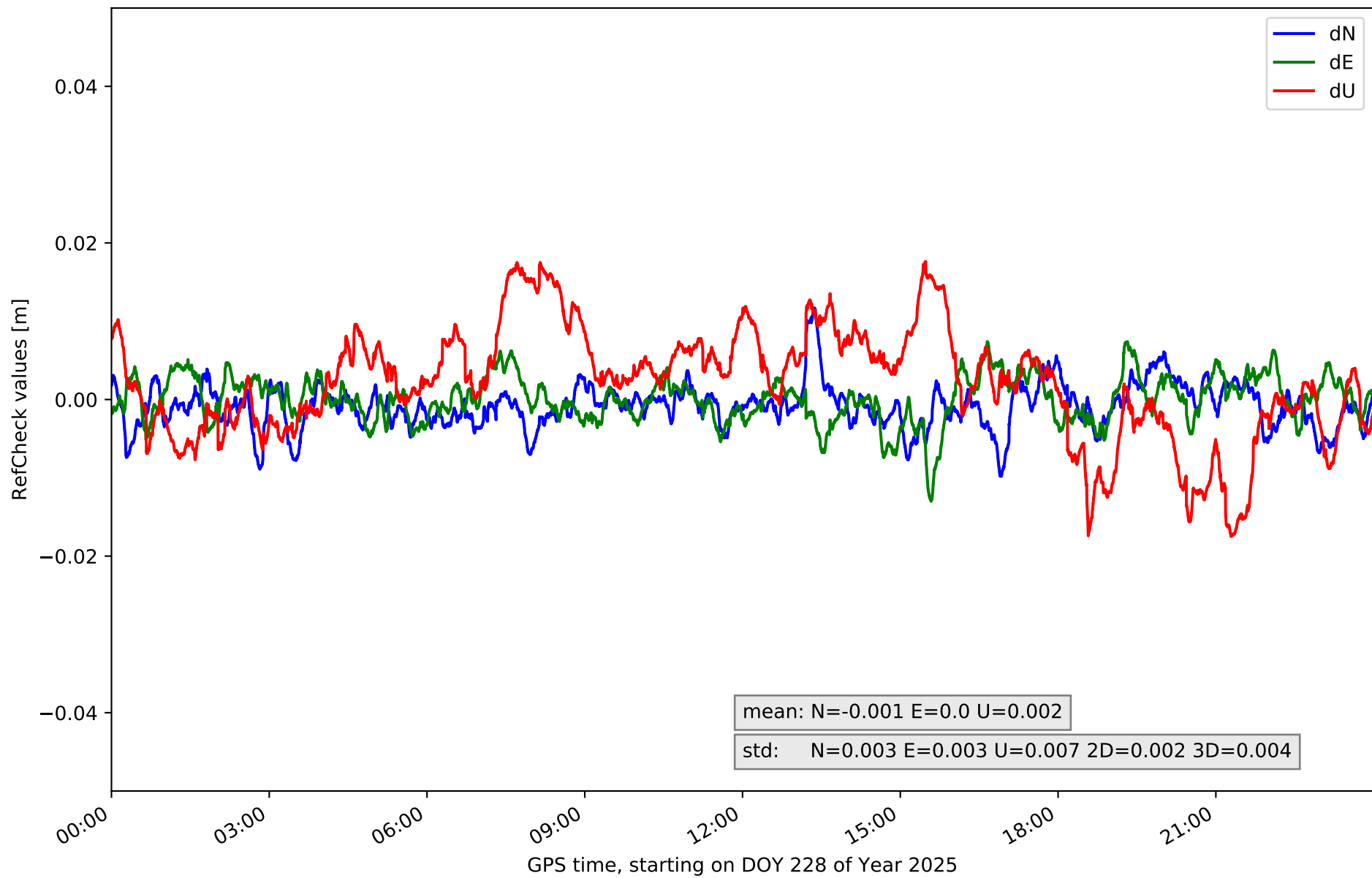
RefCheck for station FRAG in network NET9



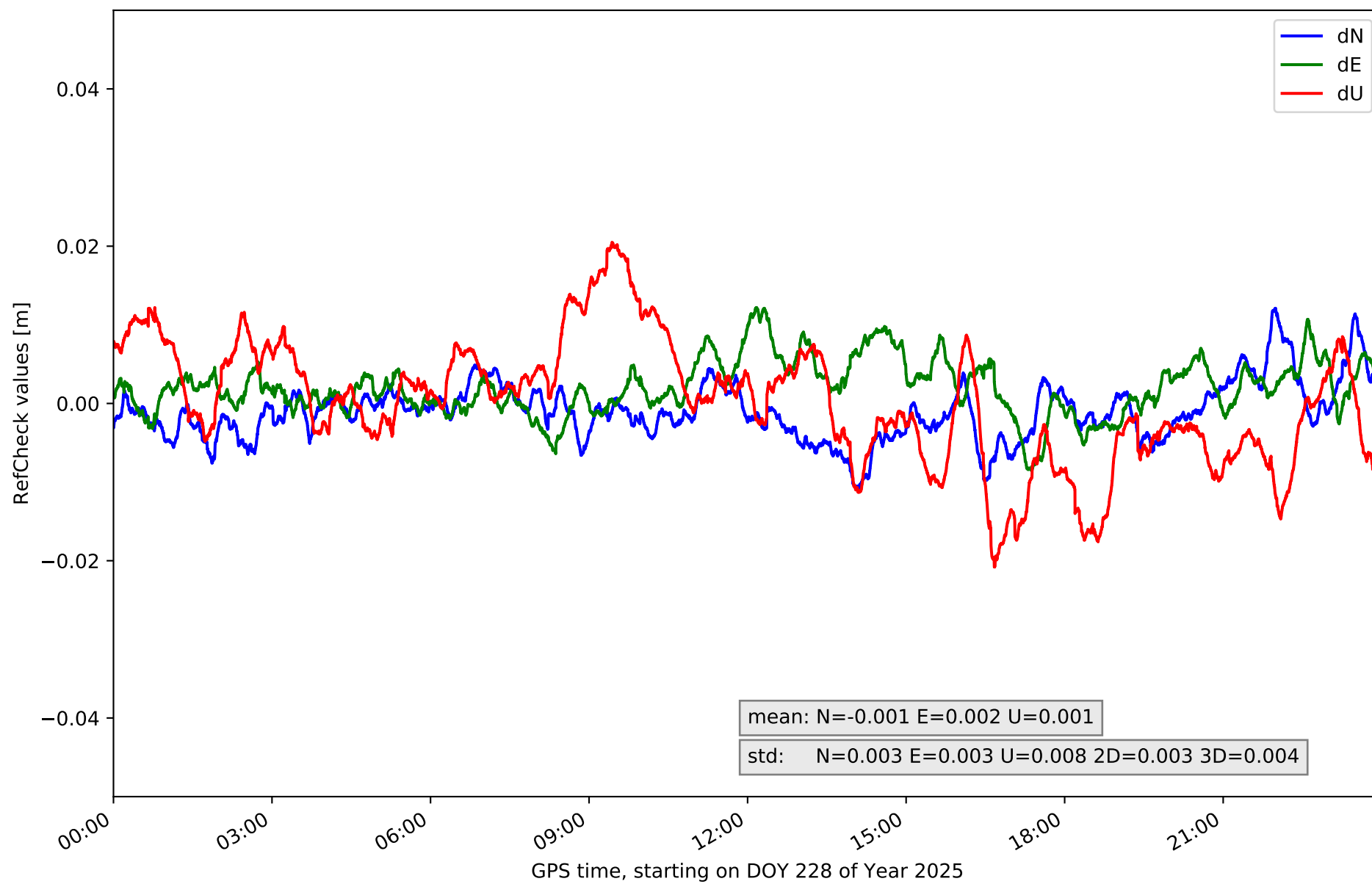
RefCheck for station JACA in network NET9



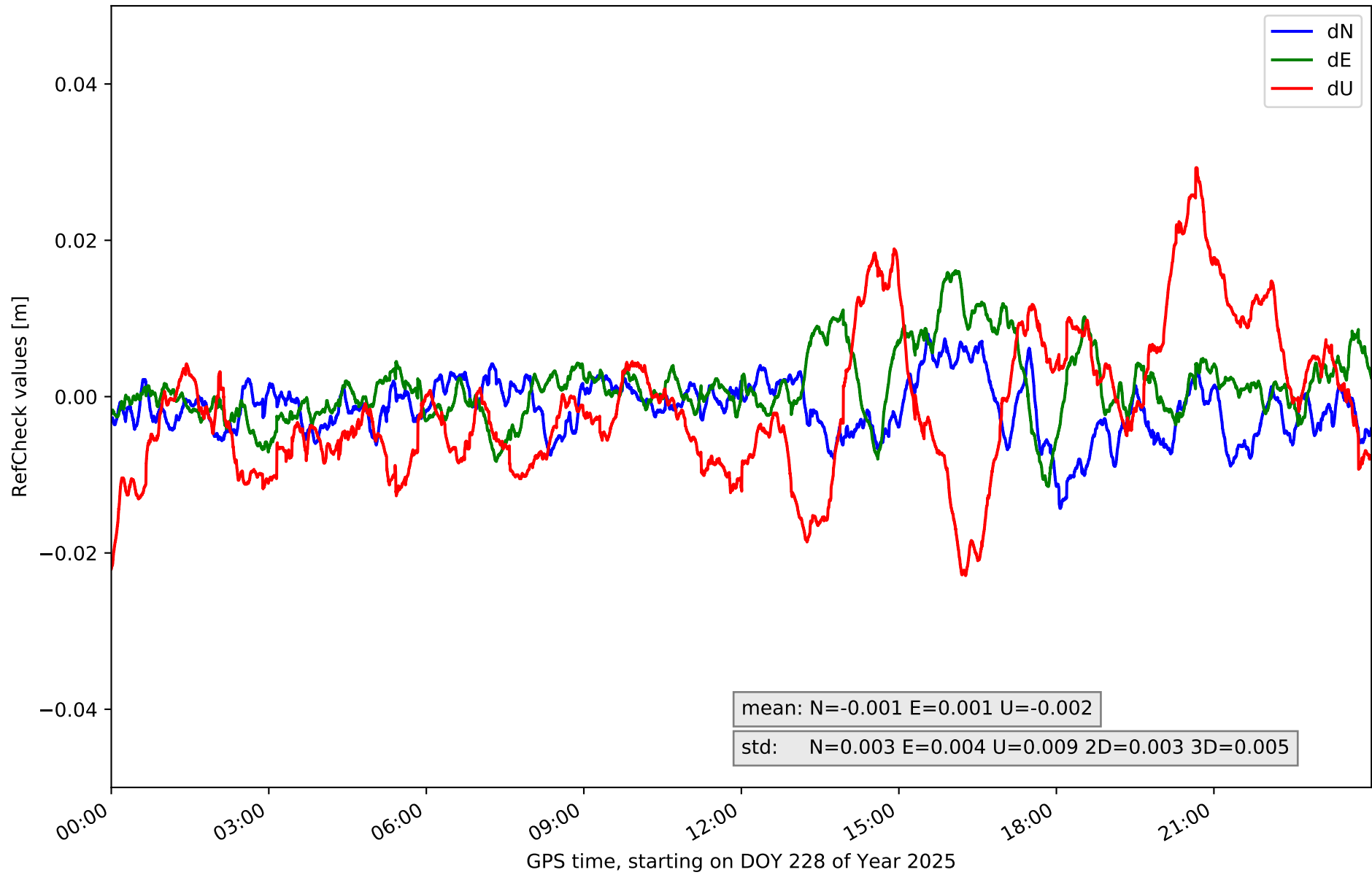
RefCheck for station OSCA in network NET9



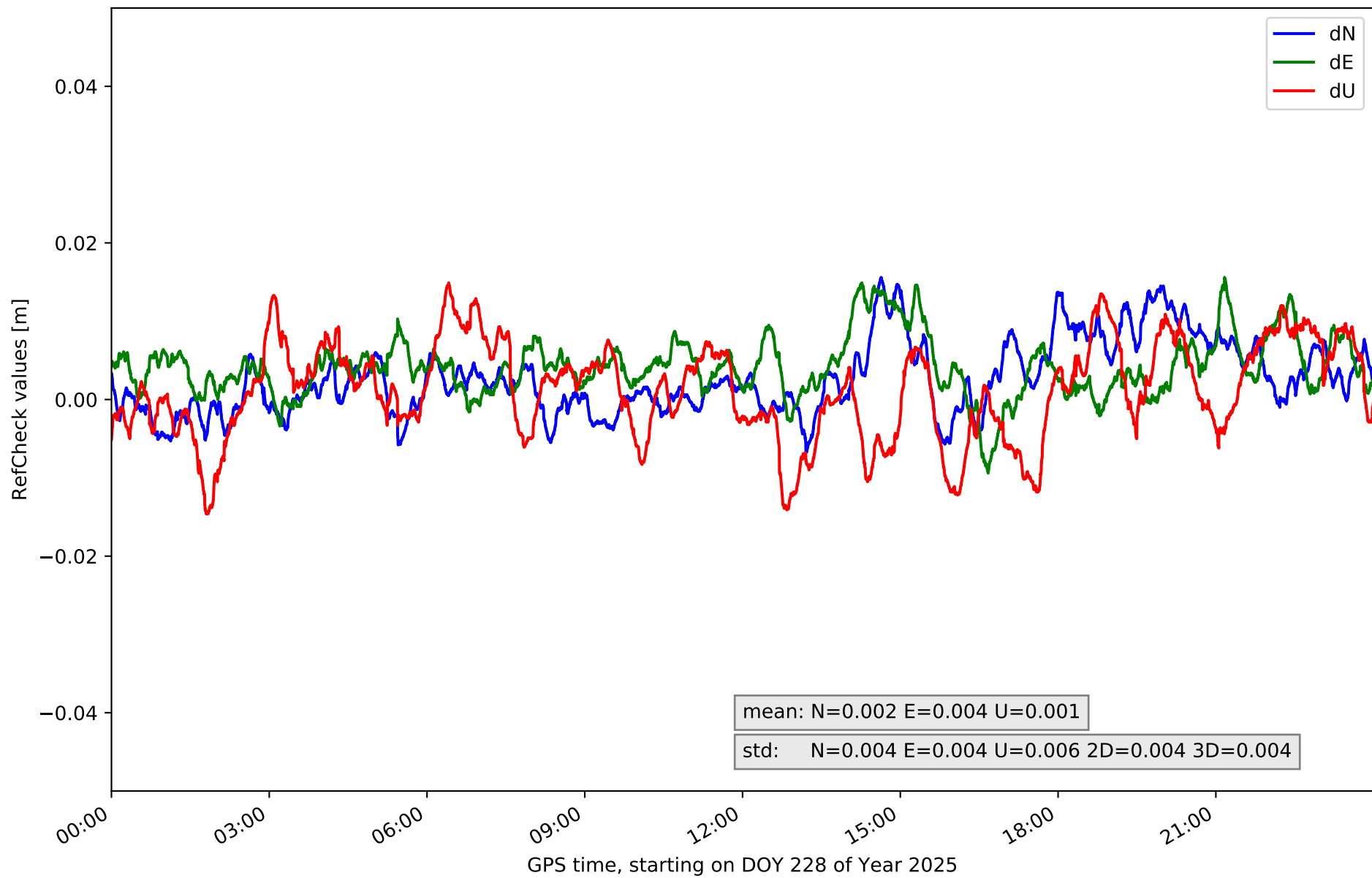
RefCheck for station RONL in network NET9



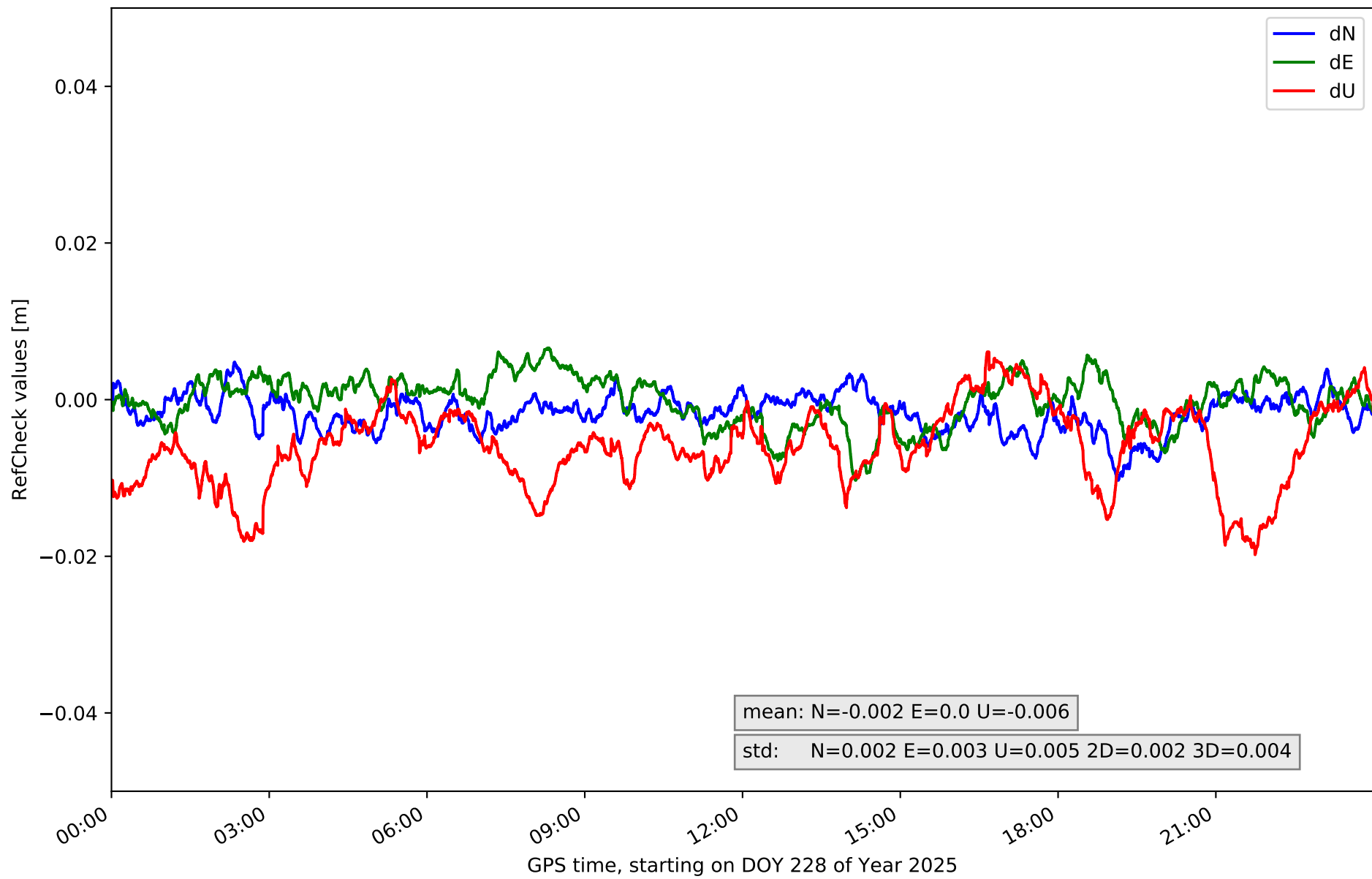
RefCheck for station SABI in network NET9



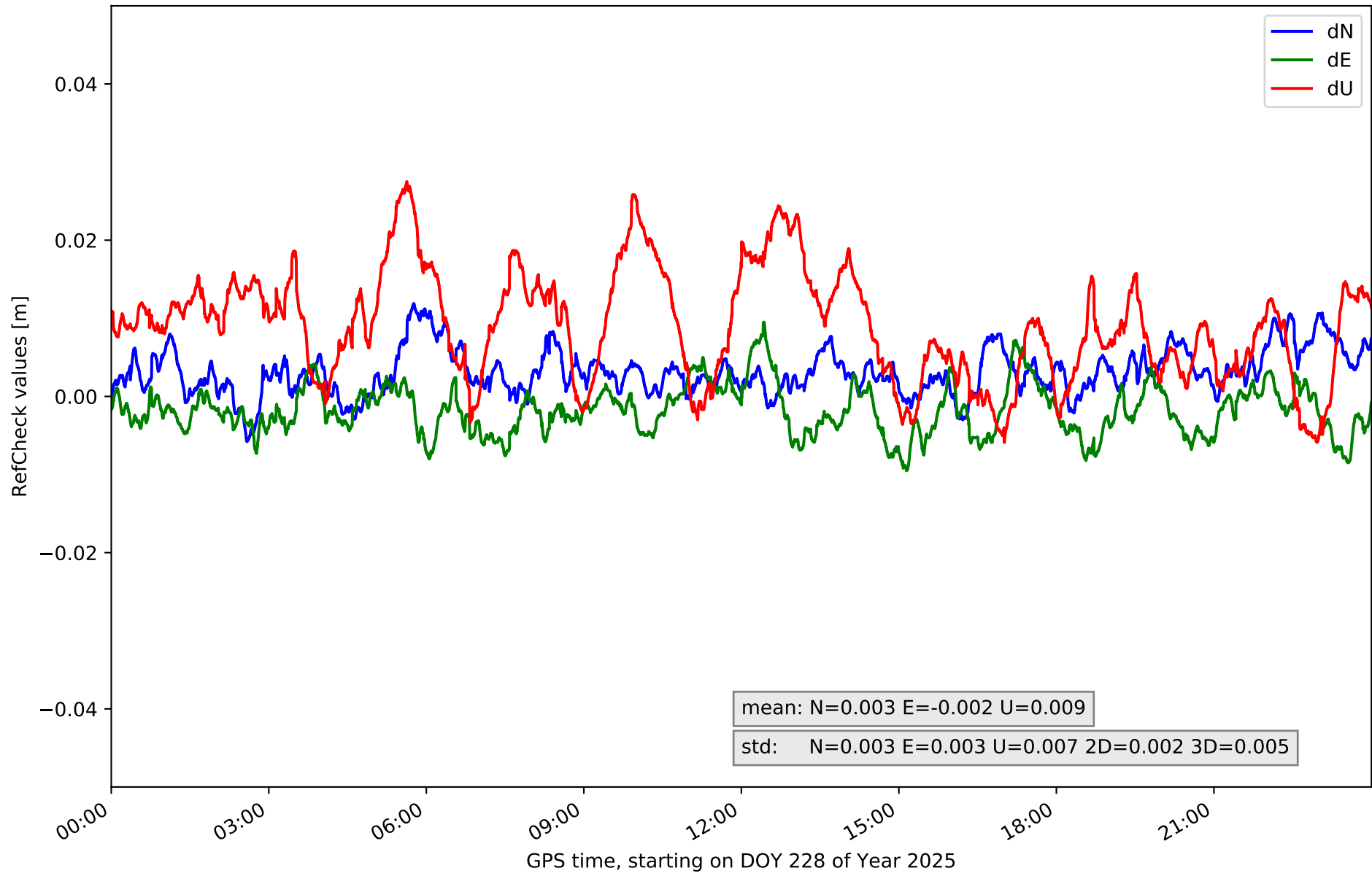
RefCheck for station SANS in network NET9



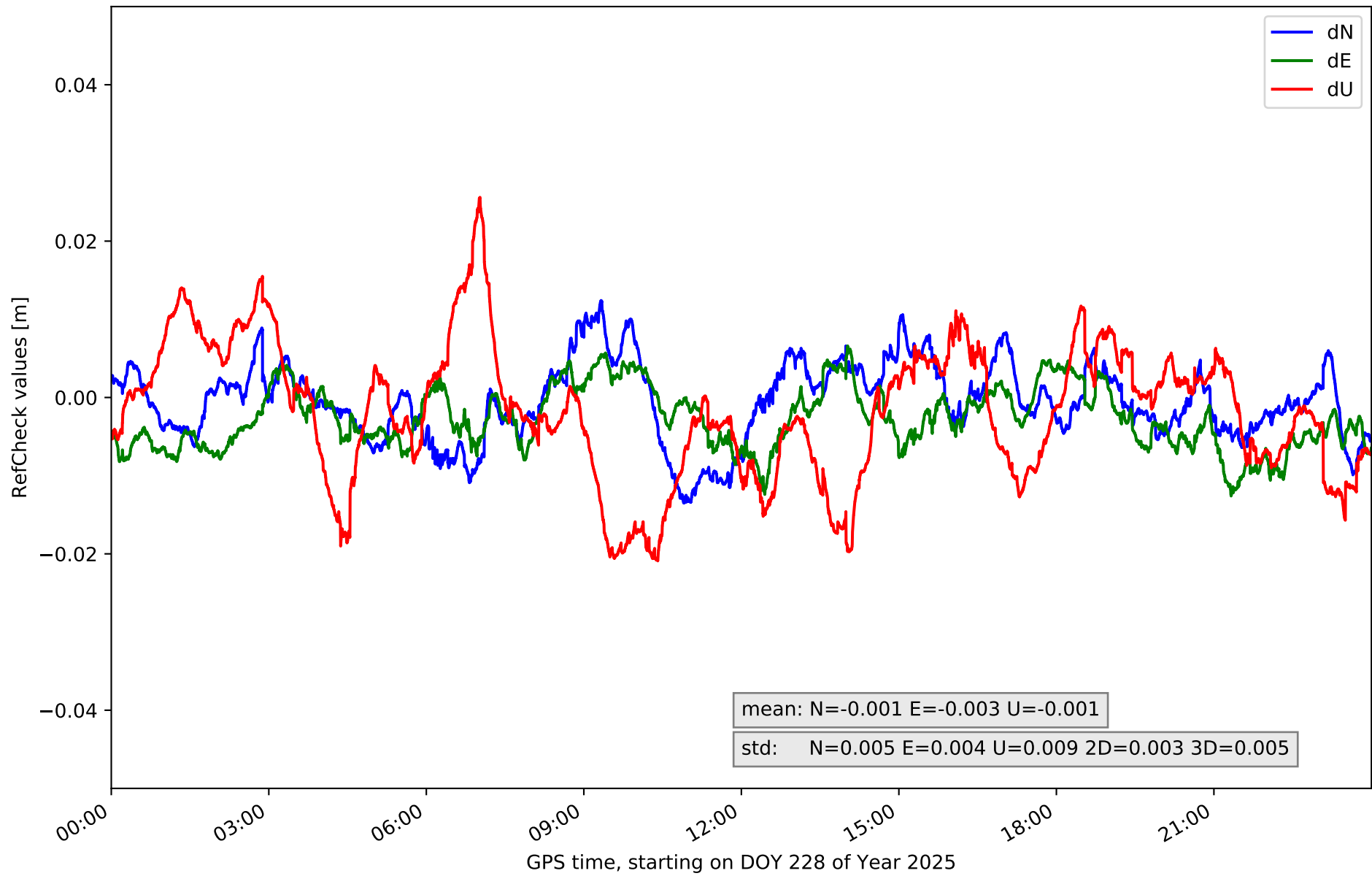
RefCheck for station SRNA in network NET9



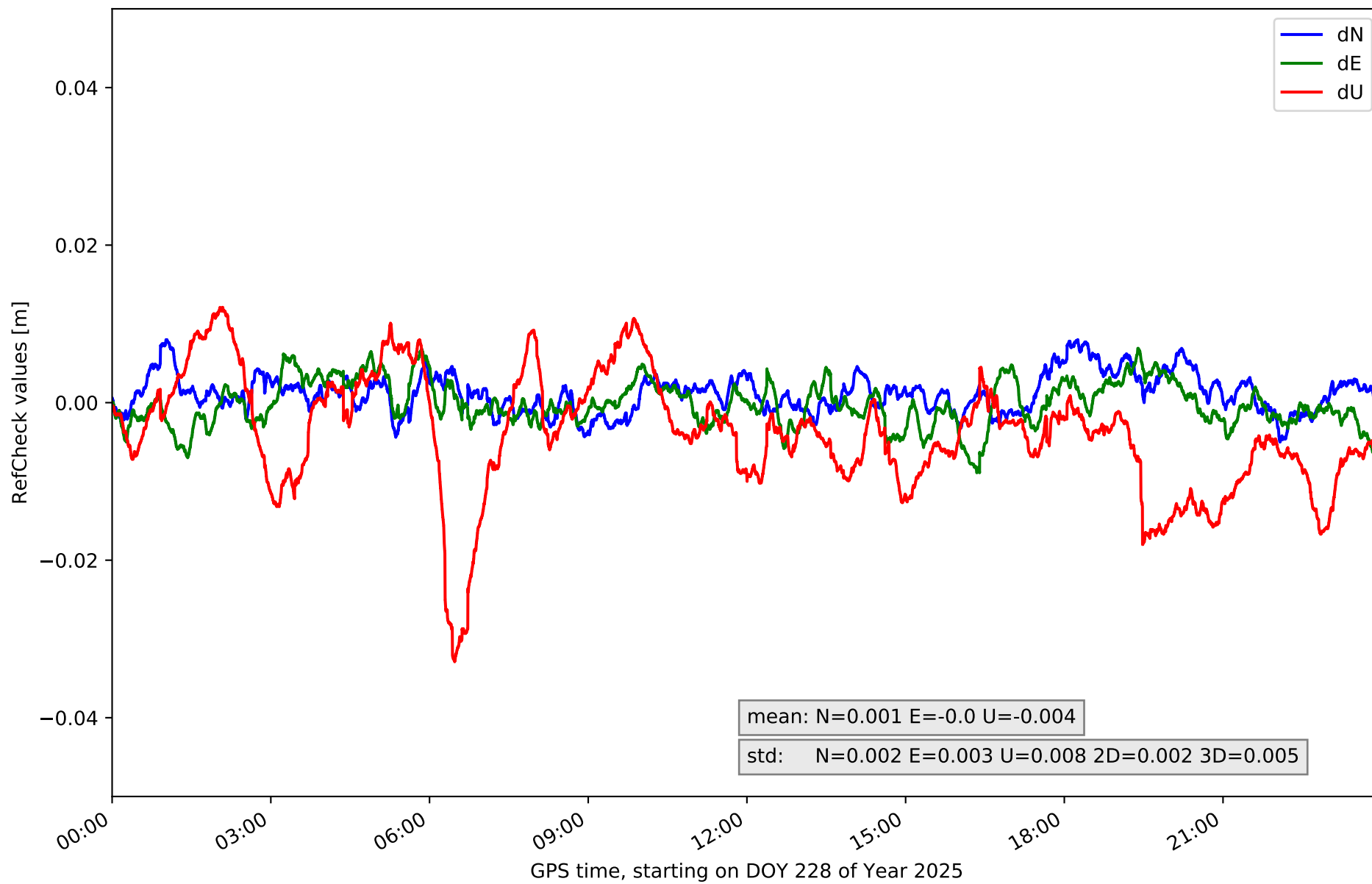
RefCheck for station TUD1 in network NET9



RefCheck for station ZARA in network NET9



RefCheck for station ZUER in network NET9



# RefCheck values for network NET9

| Station | Nmin   | Nmax  | Nstd  | Emin   | Emax   | Estd  | Umin   | Umax  | Ustd  | std2D | std3D | #2D > 0.01 | % 2D > 0.01 | #3D > 0.02 | % 3D > 0.02 |
|---------|--------|-------|-------|--------|--------|-------|--------|-------|-------|-------|-------|------------|-------------|------------|-------------|
| ARIB    | -0.008 | 0.011 | 0.003 | -0.007 | 0.017  | 0.003 | -0.01  | 0.02  | 0.006 | 0.003 | 0.004 | 3871       | 9.4         | 60         | 0.1         |
| BINE    | -0.01  | 0.005 | 0.002 | -0.007 | 0.005  | 0.002 | -0.021 | 0.01  | 0.006 | 0.002 | 0.004 | 489        | 1.2         | 499        | 1.2         |
| BLGU    | -0.009 | 0.004 | 0.002 | -0.01  | 0.007  | 0.003 | -0.013 | 0.011 | 0.005 | 0.002 | 0.002 | 0          | 0.0         | 0          | 0.0         |
| BRJA    | -0.006 | 0.007 | 0.003 | -0.02  | -0.003 | 0.003 | -0.021 | 0.016 | 0.007 | 0.002 | 0.003 | 38763      | 93.8        | 1012       | 2.4         |
| CARC    | -0.009 | 0.008 | 0.003 | -0.015 | 0.013  | 0.004 | -0.014 | 0.022 | 0.008 | 0.003 | 0.005 | 3636       | 8.8         | 1467       | 3.5         |
| CSOS    | -0.01  | 0.017 | 0.004 | -0.001 | 0.016  | 0.003 | -0.025 | 0.014 | 0.007 | 0.004 | 0.005 | 9527       | 23.0        | 1434       | 3.5         |
| EJEA    | -0.009 | 0.005 | 0.003 | -0.008 | 0.009  | 0.003 | -0.026 | 0.01  | 0.007 | 0.002 | 0.004 | 0          | 0.0         | 998        | 2.4         |
| FRAG    | -0.011 | 0.006 | 0.003 | -0.011 | 0.009  | 0.003 | -0.016 | 0.023 | 0.007 | 0.002 | 0.005 | 563        | 1.4         | 801        | 1.9         |
| JACA    | -0.011 | 0.011 | 0.003 | -0.011 | 0.004  | 0.003 | -0.029 | 0.027 | 0.008 | 0.003 | 0.006 | 3716       | 9.0         | 2522       | 6.1         |
| OSCA    | -0.01  | 0.012 | 0.003 | -0.013 | 0.007  | 0.003 | -0.018 | 0.018 | 0.007 | 0.002 | 0.004 | 636        | 1.5         | 109        | 0.3         |
| RONL    | -0.011 | 0.012 | 0.003 | -0.009 | 0.012  | 0.003 | -0.021 | 0.021 | 0.008 | 0.003 | 0.004 | 2499       | 6.0         | 341        | 0.8         |
| SABI    | -0.014 | 0.008 | 0.003 | -0.011 | 0.016  | 0.004 | -0.023 | 0.029 | 0.009 | 0.003 | 0.005 | 4082       | 9.9         | 2391       | 5.8         |
| SANS    | -0.007 | 0.016 | 0.004 | -0.009 | 0.016  | 0.004 | -0.015 | 0.015 | 0.006 | 0.004 | 0.004 | 5684       | 13.7        | 164        | 0.4         |
| SRNA    | -0.01  | 0.005 | 0.002 | -0.01  | 0.007  | 0.003 | -0.02  | 0.006 | 0.005 | 0.002 | 0.004 | 263        | 0.6         | 10         | 0.0         |
| TUD1    | -0.006 | 0.012 | 0.003 | -0.009 | 0.009  | 0.003 | -0.006 | 0.028 | 0.007 | 0.002 | 0.005 | 1333       | 3.2         | 3393       | 8.2         |
| ZARA    | -0.013 | 0.012 | 0.005 | -0.013 | 0.007  | 0.004 | -0.021 | 0.026 | 0.009 | 0.003 | 0.005 | 4621       | 11.2        | 1602       | 3.9         |
| ZUER    | -0.005 | 0.008 | 0.002 | -0.009 | 0.007  | 0.003 | -0.033 | 0.012 | 0.008 | 0.002 | 0.005 | 0          | 0.0         | 923        | 2.2         |
| Mean    | -0.009 | 0.009 | 0.003 | -0.01  | 0.009  | 0.003 | -0.02  | 0.018 | 0.007 | 0.003 | 0.004 | 4687.2     | 11.3        | 1042.7     | 2.5         |
| Min/Max | -0.014 | 0.017 | 0.005 | -0.02  | 0.017  | 0.004 | -0.033 | 0.029 | 0.009 | 0.004 | 0.006 | 38763      | 93.8        | 3393       | 8.2         |

## fixing statistic for network NET9

| fixing percentage of                             | all GNSS | G    | R    | E    | C    |
|--------------------------------------------------|----------|------|------|------|------|
| using threshold 0.3                              | 94.4     | 95.1 | 95.1 | 96.3 | 92.0 |
| considering satellites with dual-frequency fixed | 92.6     | 93.5 | 92.7 | 94.9 | 89.2 |
| considering all signals separately               | 92.7     | 93.6 | 92.7 | 95.0 | 88.8 |