# summary for network NT15

timeperiod chosen: from 2026-11-13-00:00:00 until 2026-11-13-23:59:59

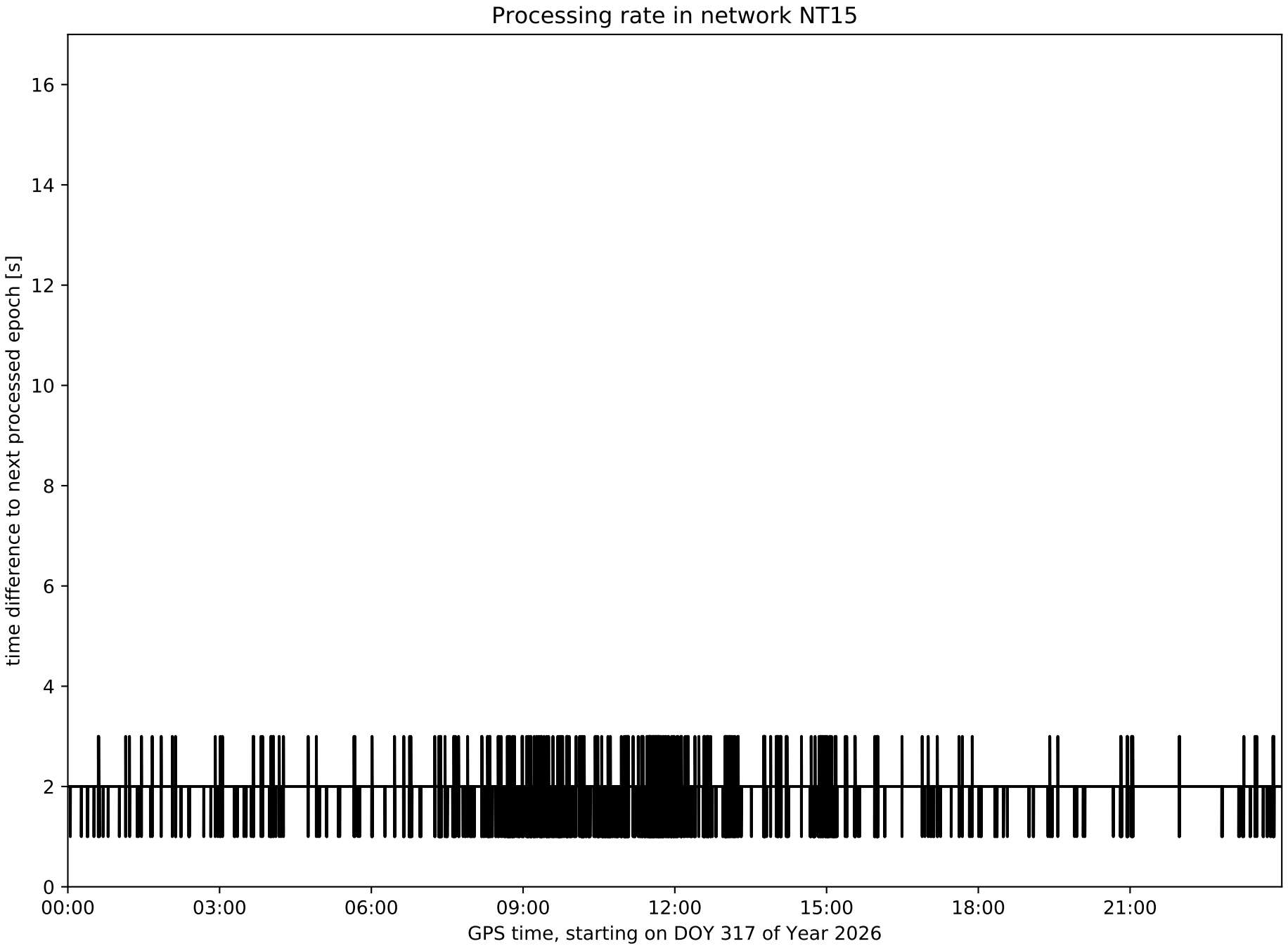
average update rate (durations larger than 15 seconds considered as observation gap): 2.0 seconds

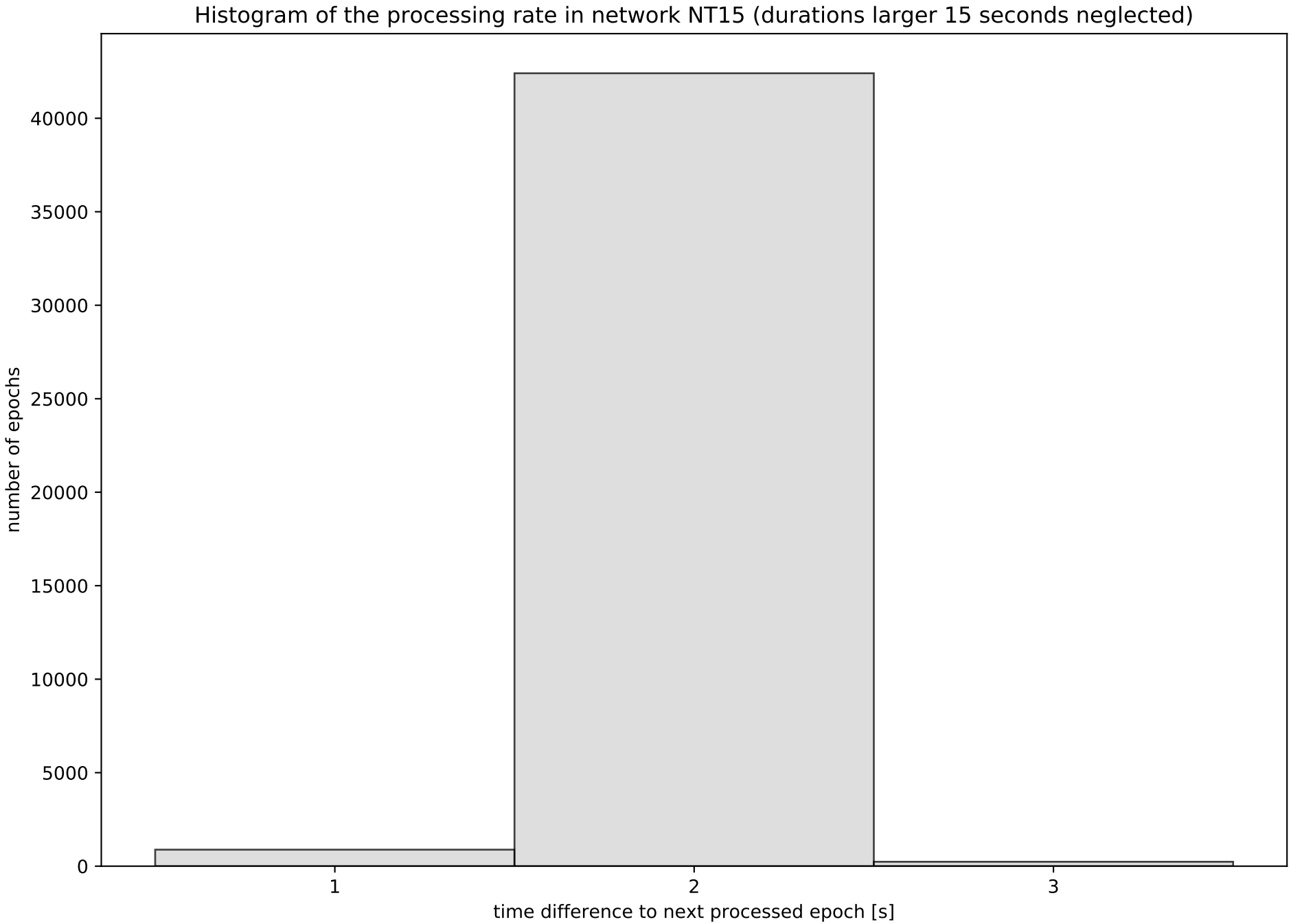
average fixing percentage with threshold set to 0.3: 94.3 percent

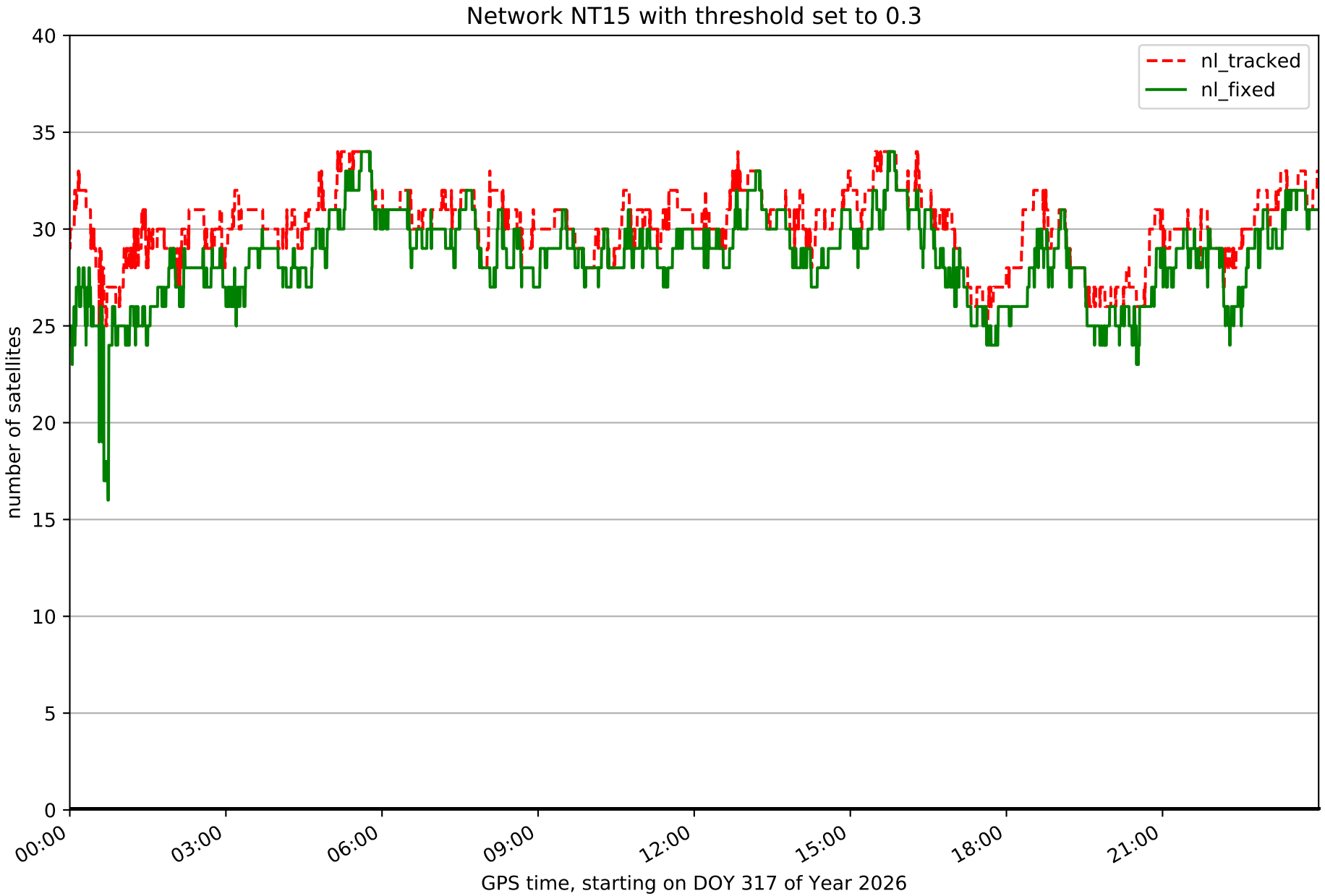
stations available: 14 of 16

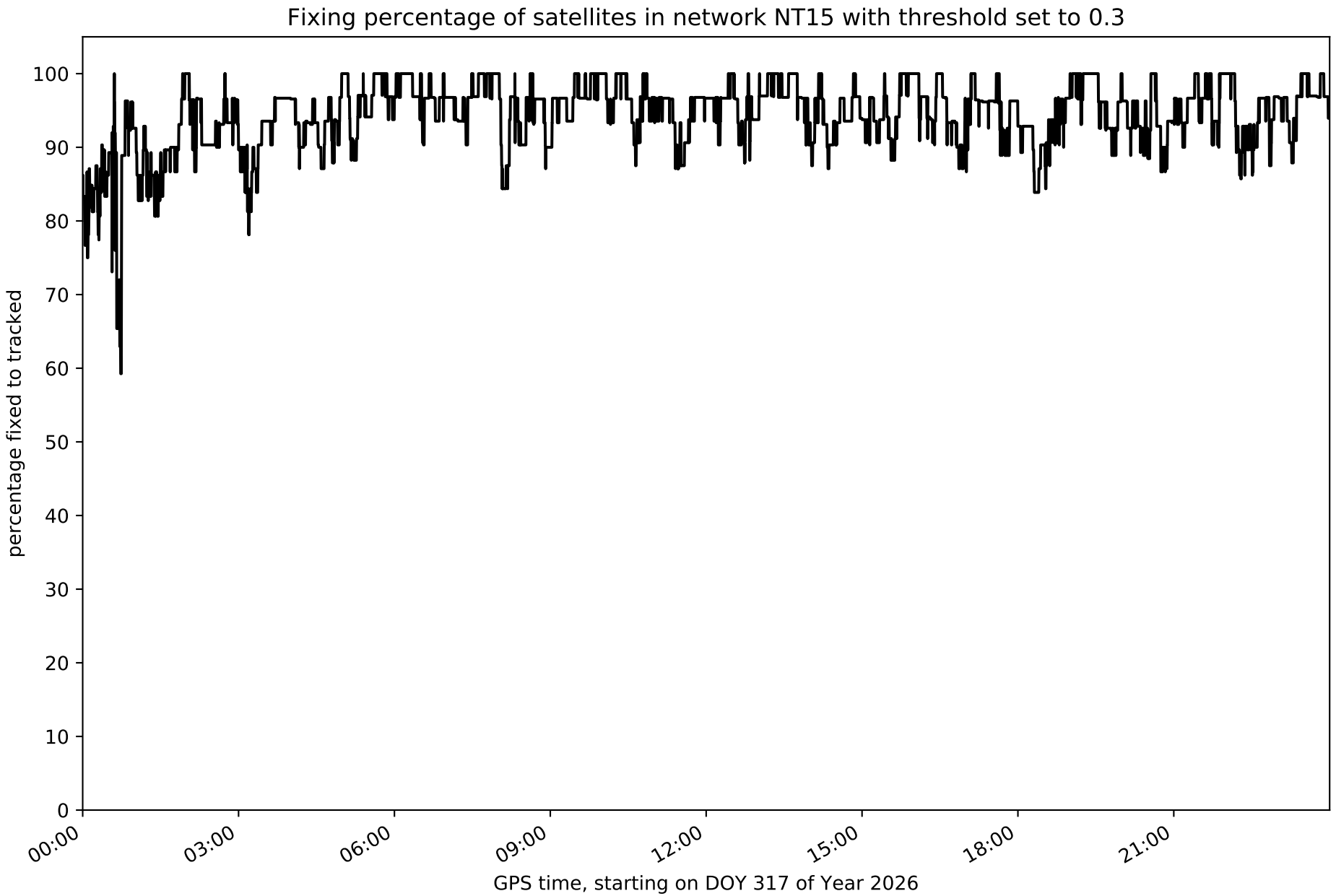
station information:

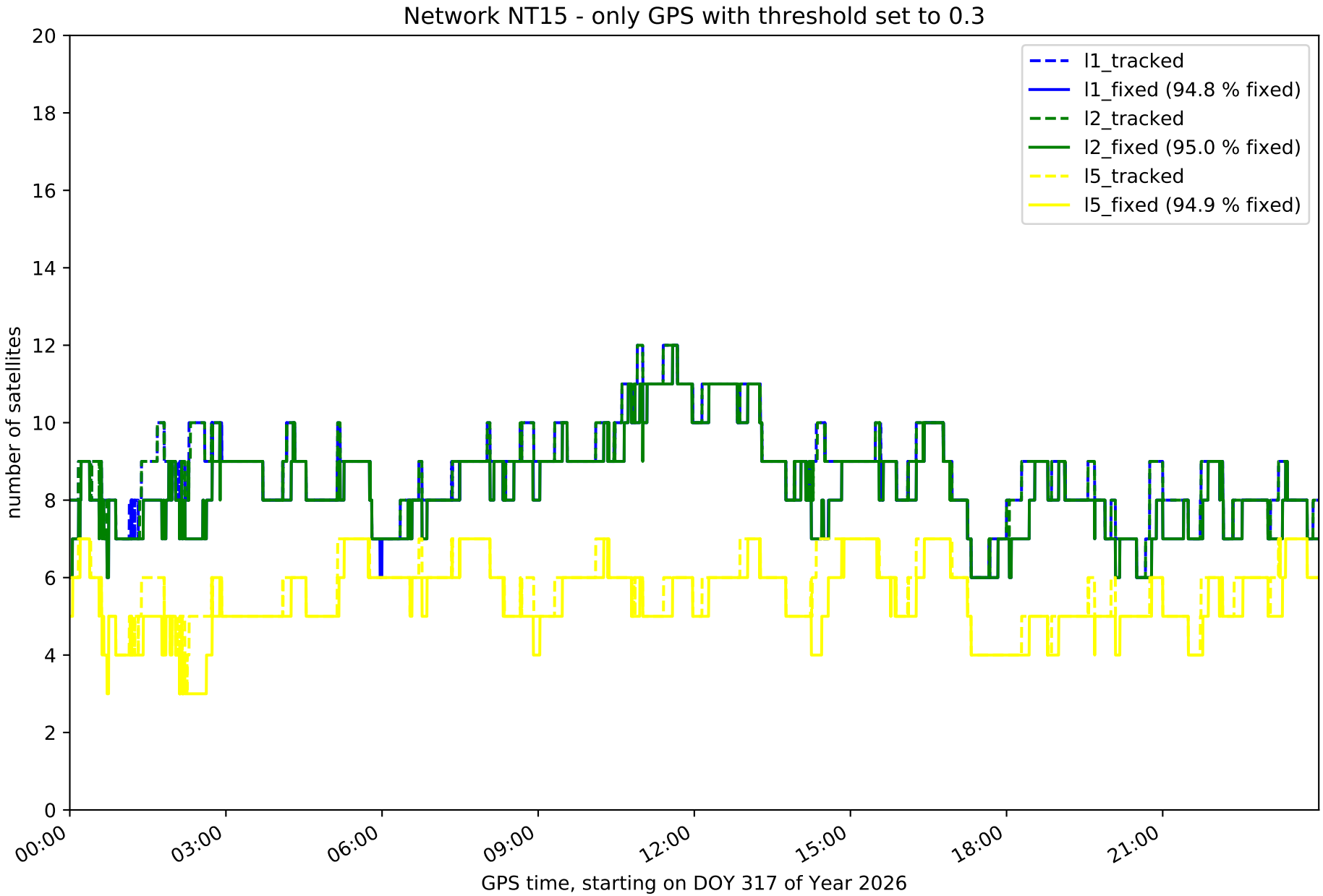
| | | | |
|---|---|---|---|
| station ACIN: | antenna: GPPNULLANTENNA NONE | receiver: LEICA GR50 | height: 1178.467 |
| station AGRD: | antenna: GPPNULLANTENNA NONE | receiver: LEICA GR50 | height: 1010.817 |
| station AJAL: | antenna: GPPNULLANTENNA NONE | receiver: LEICA GR50 | height: 884.142 |
| station ALC1: | antenna: TRM57971.00 TZGD | receiver: TRIMBLE NETR9 | height: 397.678 |
| station ALIA: | antenna: GPPNULLANTENNA NONE | receiver: LEICA GR50 | height: 1169.271 |
| station ARAS: | antenna: GPPNULLANTENNA NONE | receiver: LEICA GR50 | height: 1325.84 |
| station BERG: | antenna: GPPNULLANTENNA NONE | receiver: LEICA GR30 | height: 892.809 |
| station CALA: | antenna: GPPNULLANTENNA NONE | receiver: LEICA GR50 | height: 942.218 |
| station CATY: | antenna: GPPNULLANTENNA NONE | receiver: LEICA GR10 | height: 597.715 |
| station CRNA: | antenna: GPPNULLANTENNA NONE | receiver: TPS NET-G3A | height: 649.422 |
| station JADR: | antenna: LEIAR20 LEIM | receiver: LEICA GR50 | height: 943.791 |
| station MOLI: | antenna: LEIAR20 LEIM | receiver: LEICA GR25 | height: 1119.434 |
| station MUNI: | antenna: GPPNULLANTENNA NONE | receiver: TPS NET-G3 | height: 854.935 |
| station QNTO: | antenna: GPPNULLANTENNA NONE | receiver: LEICA GR50 | height: 216.734 |
| station TERU: | antenna: LEIAR20 LEIM | receiver: LEICA GR50 | height: 956.219 |
| station YEBE: | antenna: LEIAR20 LEIM | receiver: LEICA GR50 | height: 972.811 |

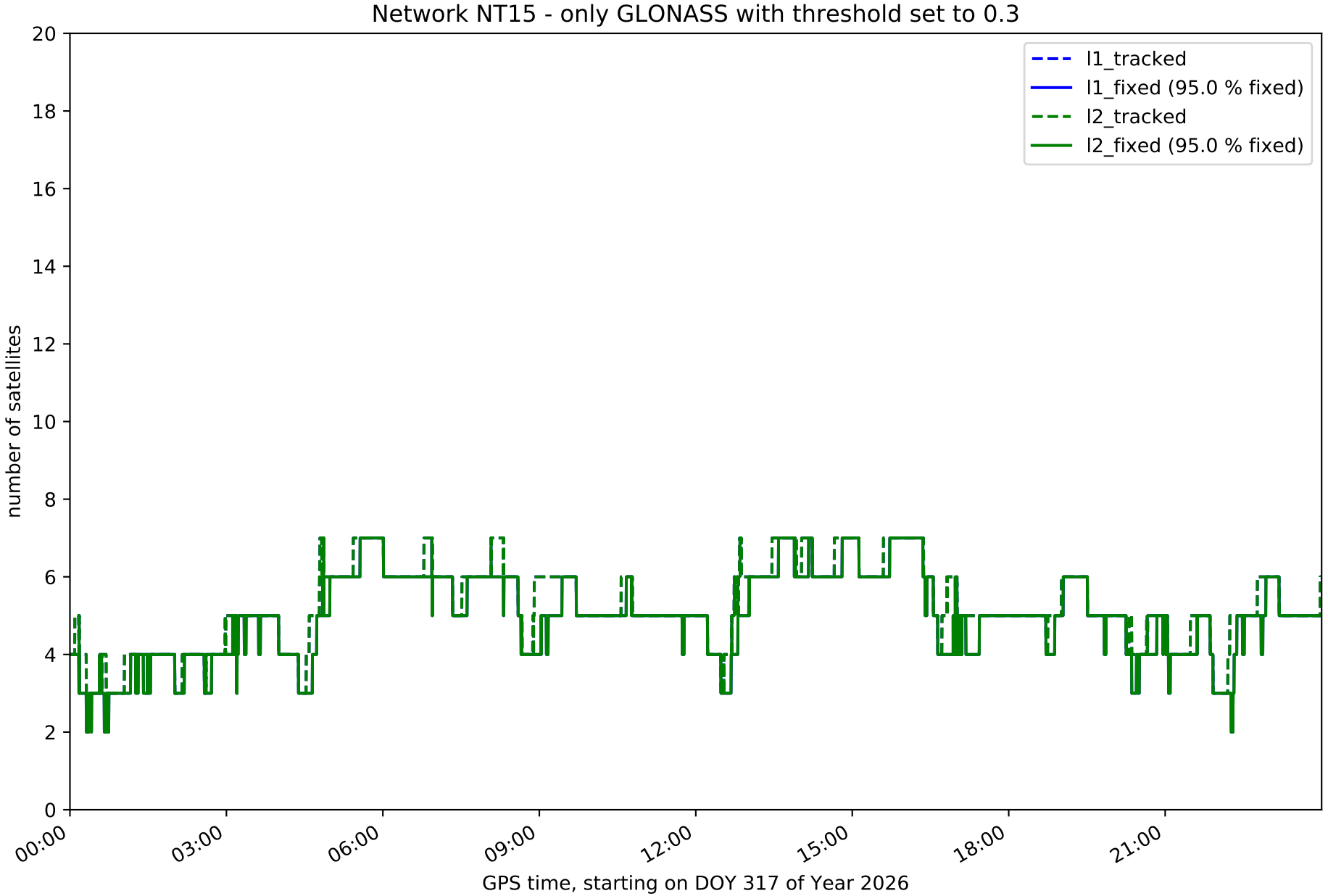

Processing rate in network NT15
time difference to next processed epoch [s]
0
2
4
6
8
10
12
14
16
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

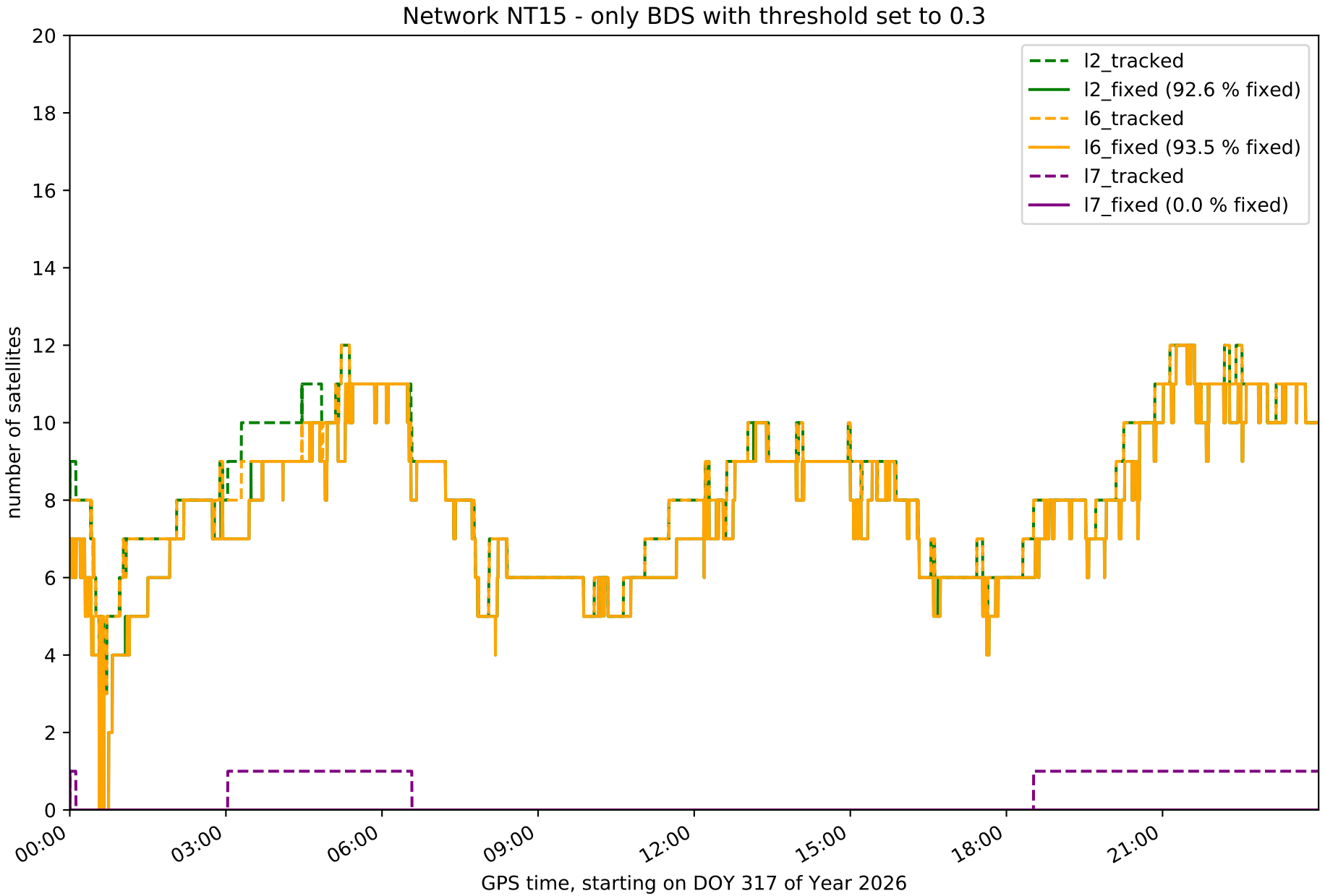

Histogram of the processing rate in network NT15 (durations larger 15 seconds neglected)
number of epochs
0
5000
10000
15000
20000
25000
30000
35000
40000
1
2
3
time difference to next processed epoch [s]

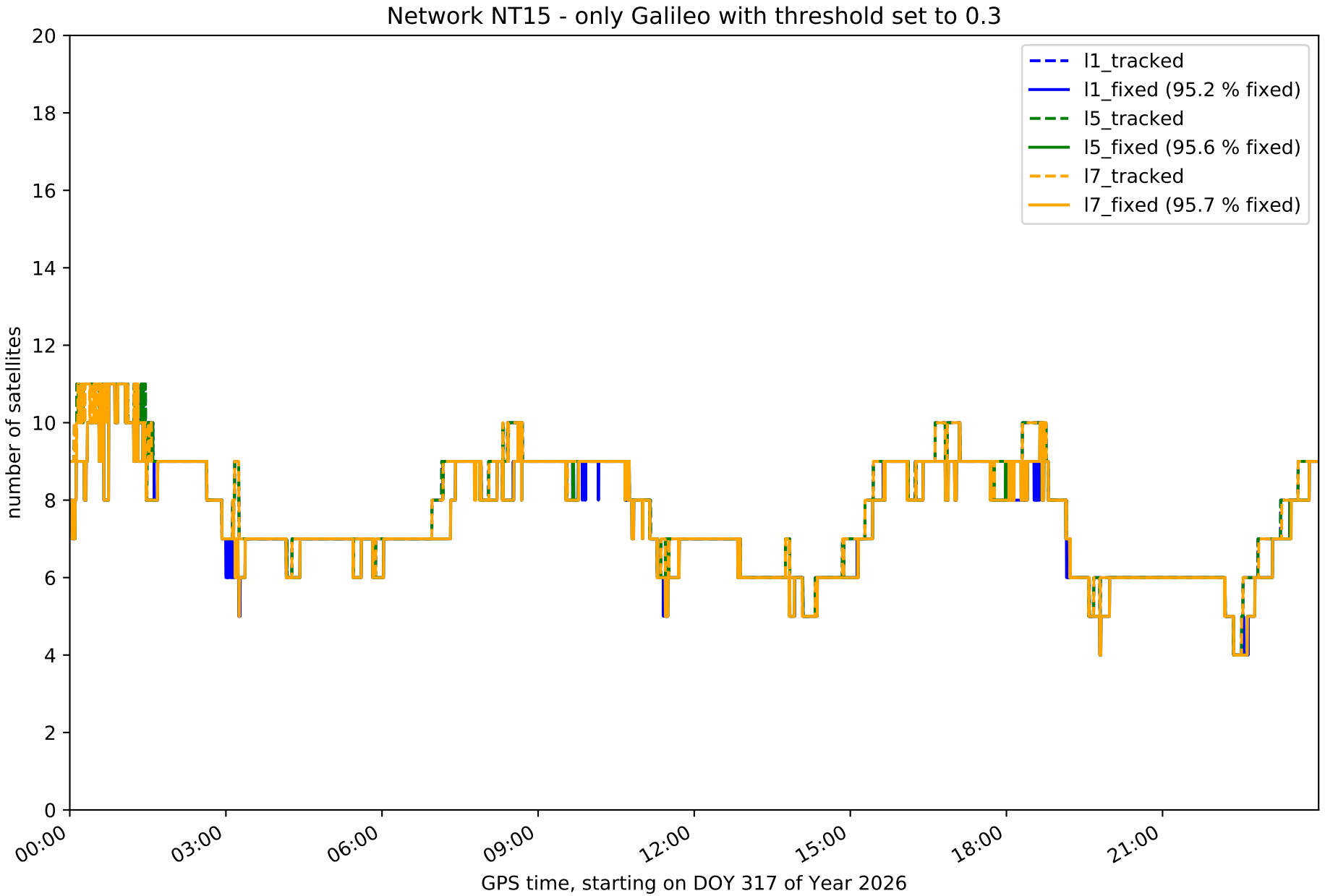

Network NT15 with threshold set to 0.3
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
40
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

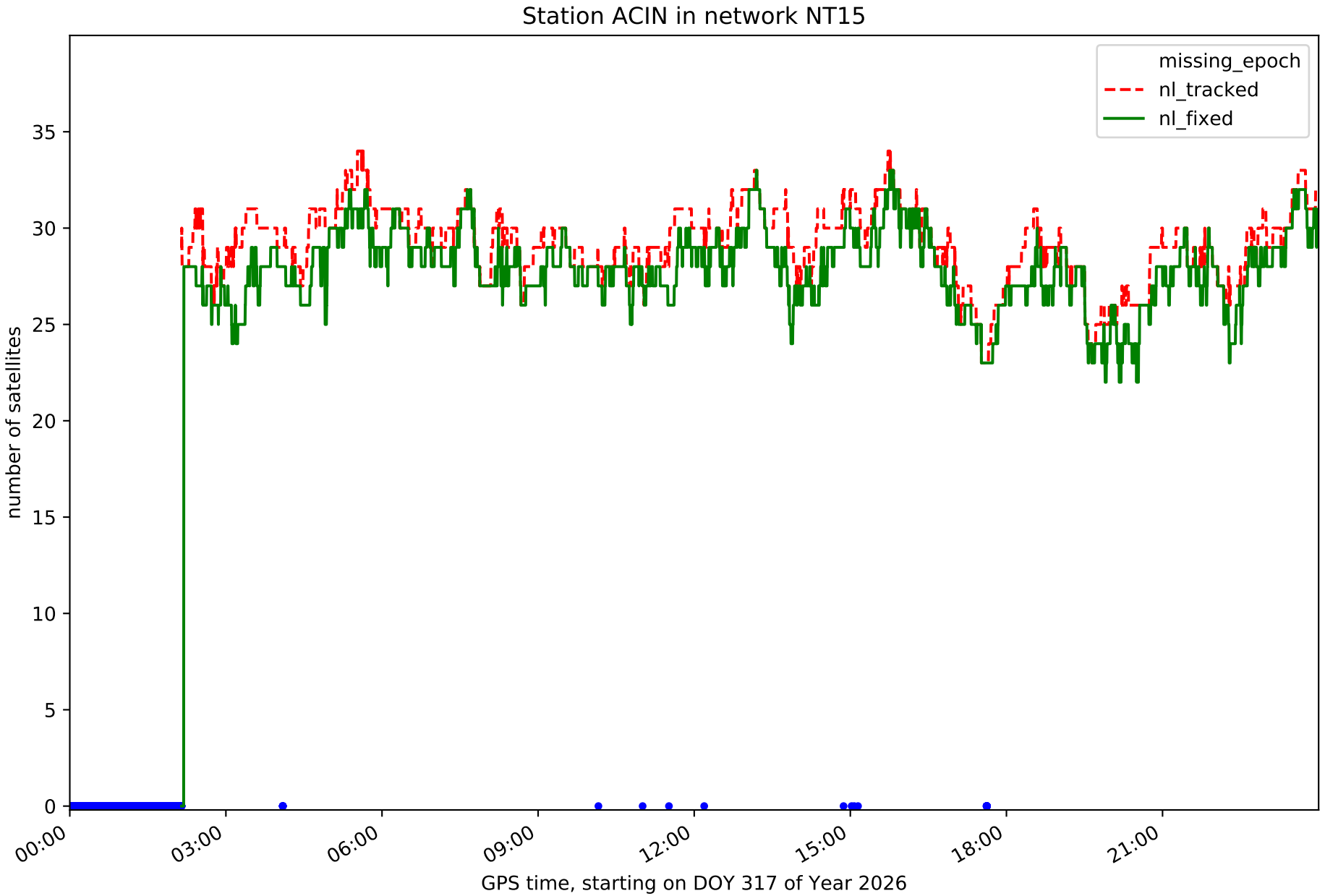

Fixing percentage of satellites in network NT15 with threshold set to 0.3
percentage fixed to tracked
100
90
80
70
60
50
40
30
20
10
0
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

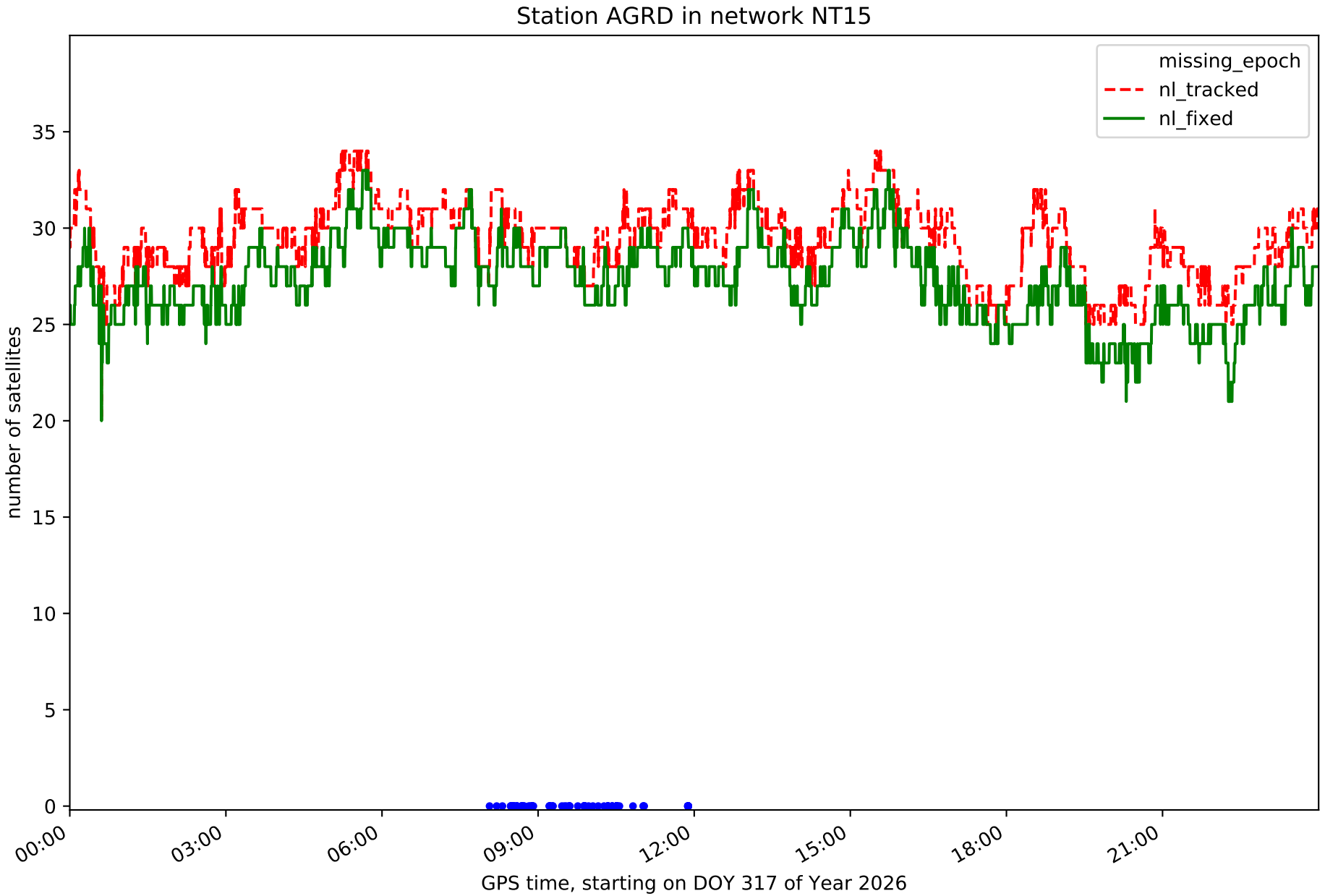

Network NT15 - only GPS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 317 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
l1_tracked
l1_fixed (94.8 % fixed)
l2_tracked
l2_fixed (95.0 % fixed)
l5_tracked
l5_fixed (94.9 % fixed)

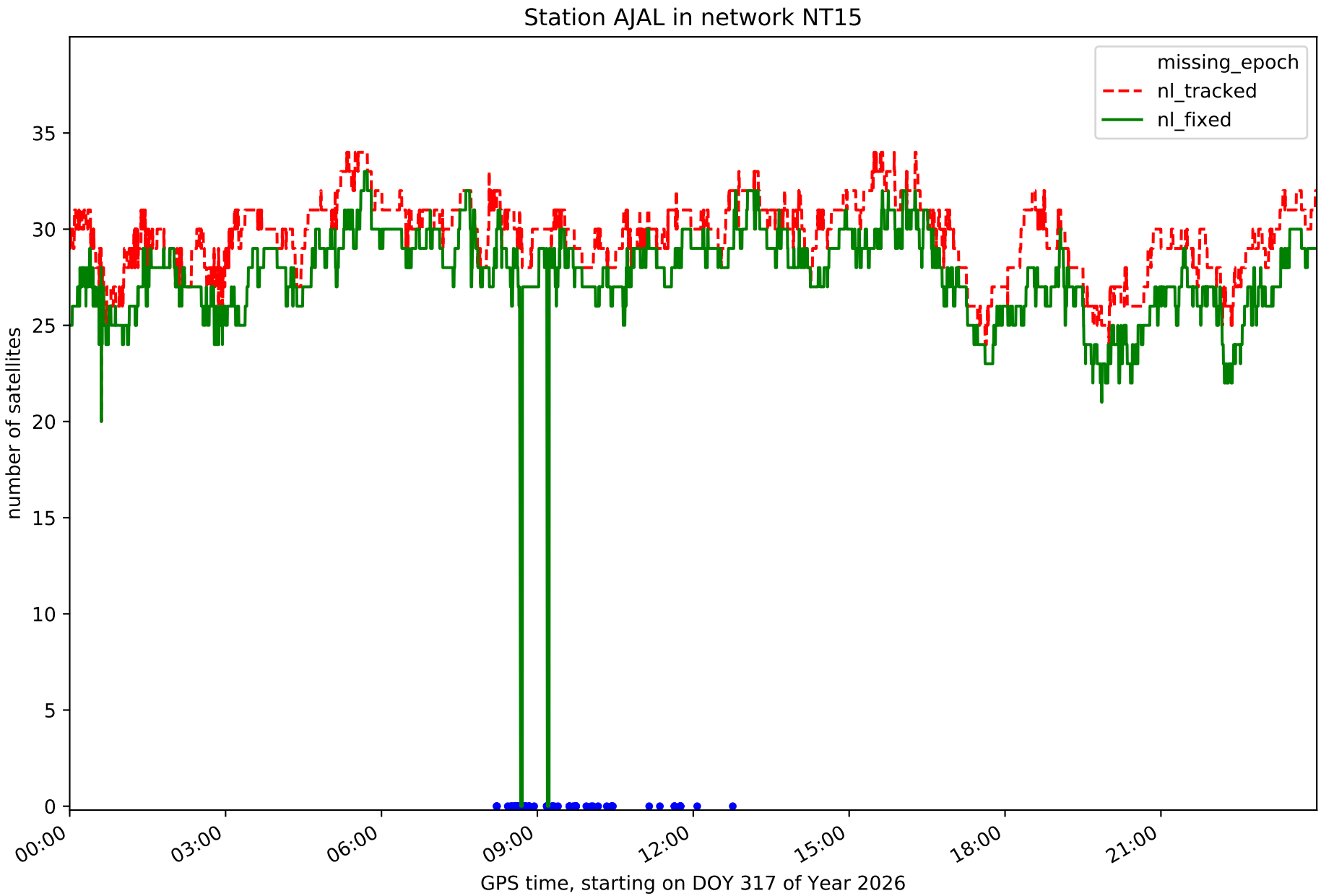

Network NT15 - only GLONASS with threshold set to 0.3
l1_tracked
l1_fixed (95.0 % fixed)
l2_tracked
l2_fixed (95.0 % fixed)
number of satellites
0
2
4
6
8
10
12
14
16
18
20
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

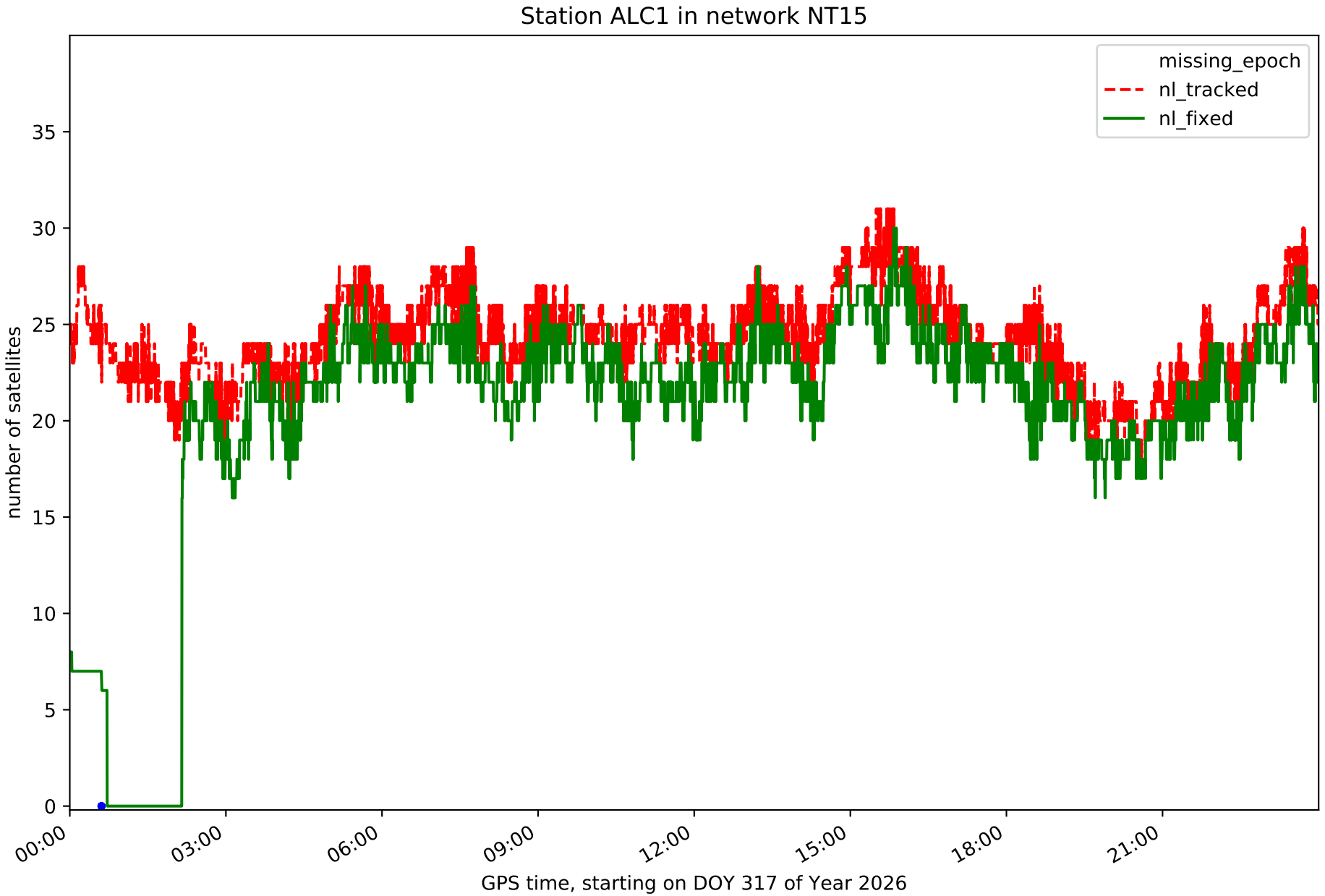

Network NT15 - only BDS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 317 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
I2_tracked
I2_fixed (92.6 % fixed)
I6_tracked
I6_fixed (93.5 % fixed)
I7_tracked
I7_fixed (0.0 % fixed)

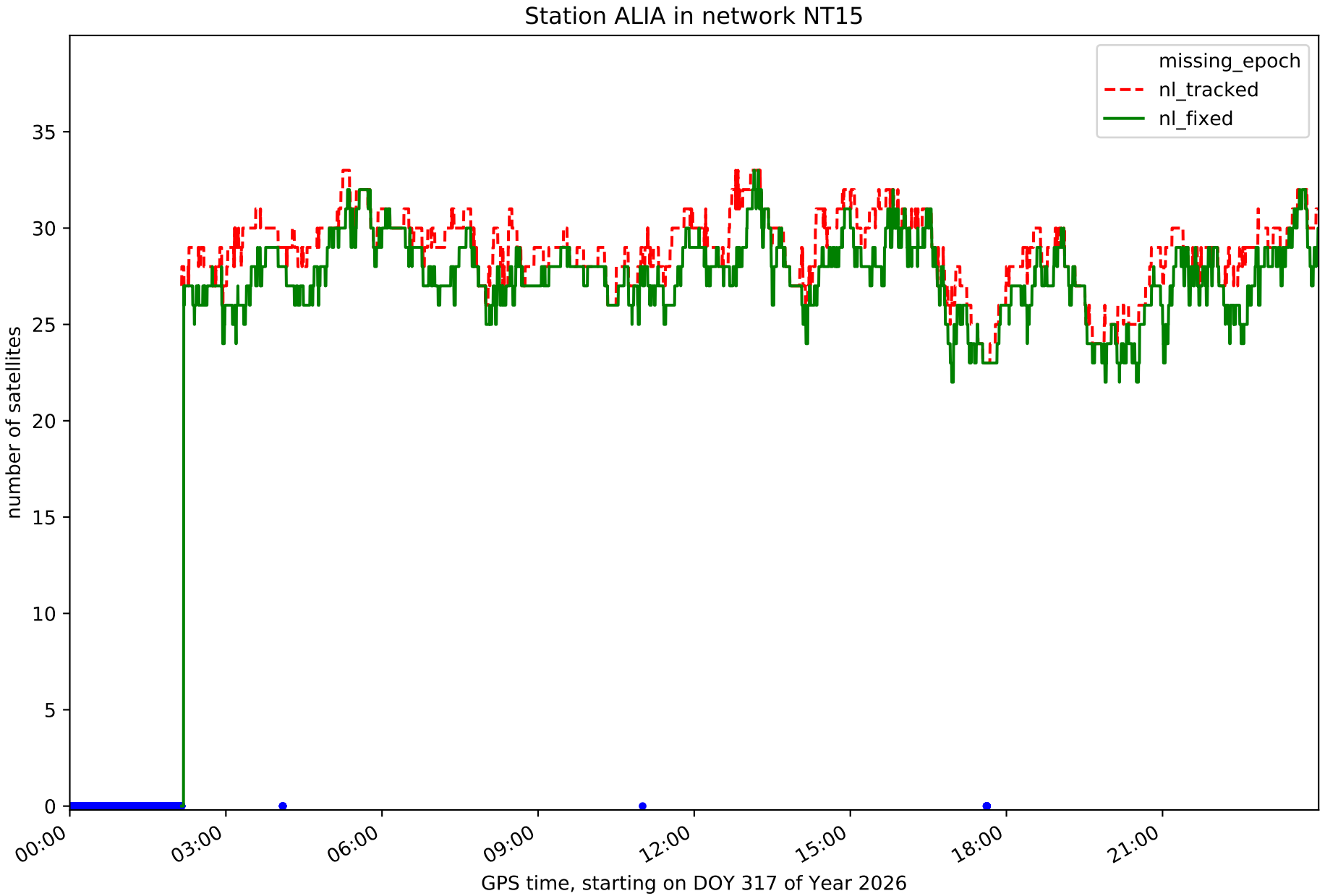

Network NT15 - only Galileo with threshold set to 0.3
number of satellites
GPS time, starting on DOY 317 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
l1_tracked
l1_fixed (95.2 % fixed)
l5_tracked
l5_fixed (95.6 % fixed)
l7_tracked
l7_fixed (95.7 % fixed)

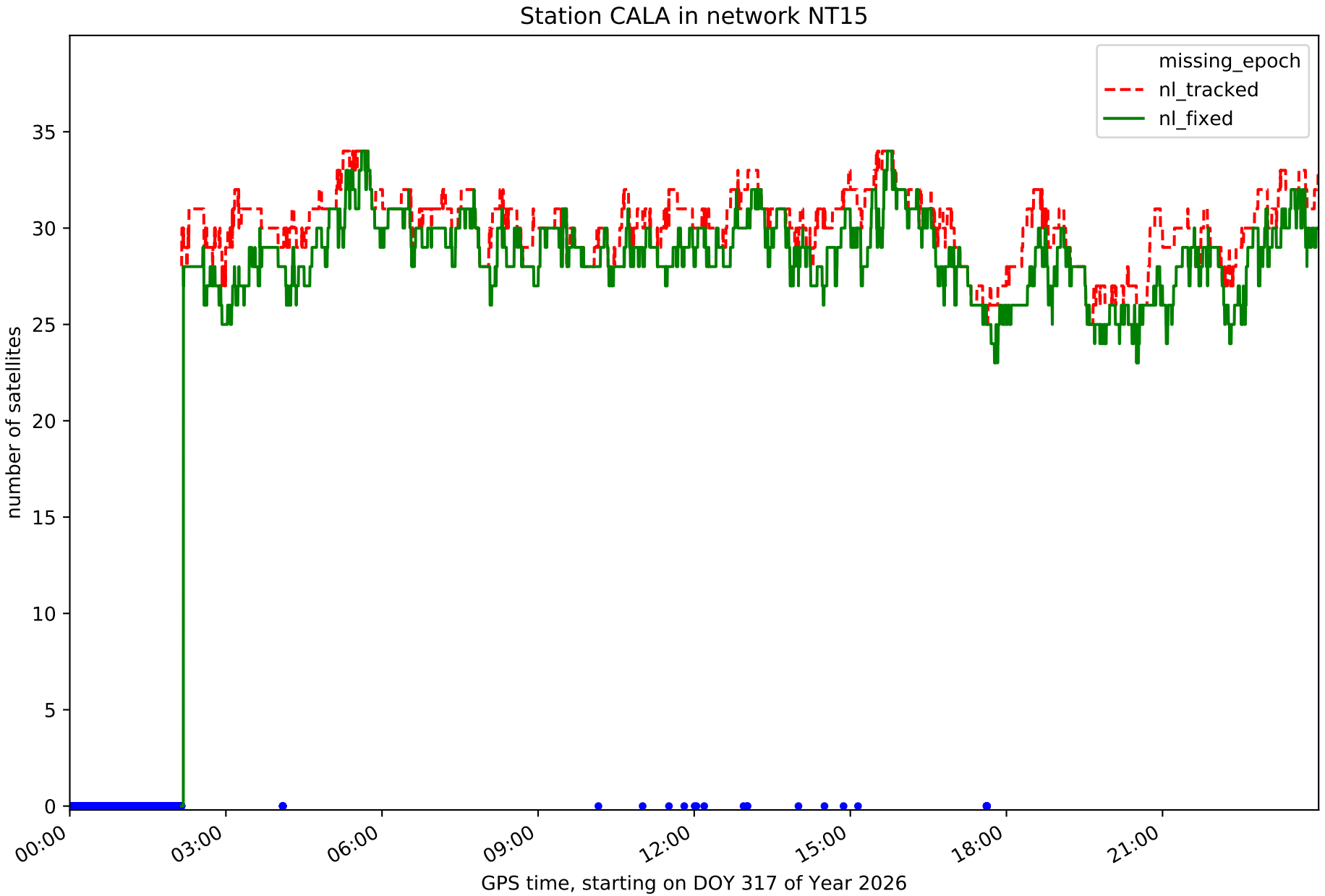

Station ACIN in network NT15
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

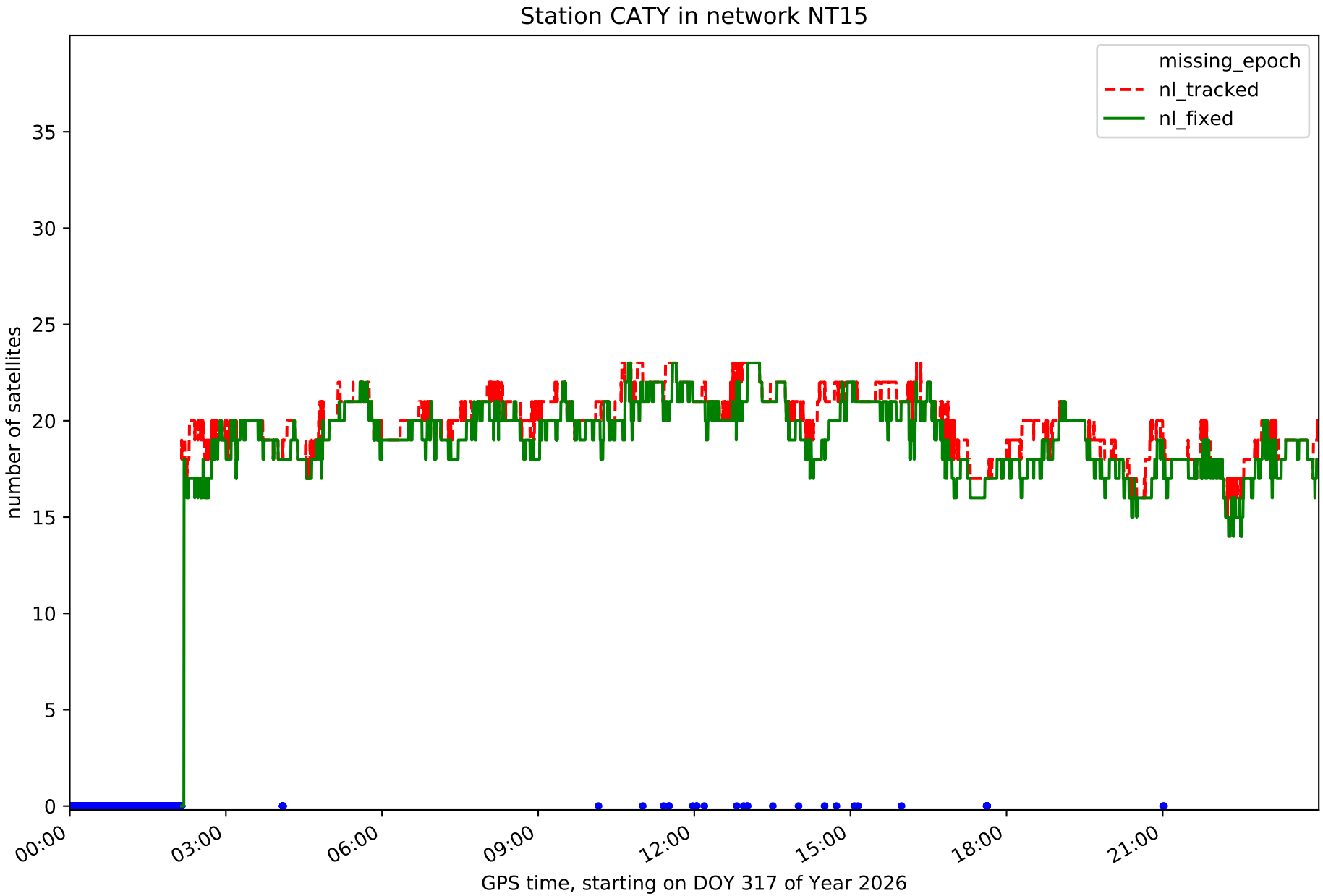

Station AGRD in network NT15
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

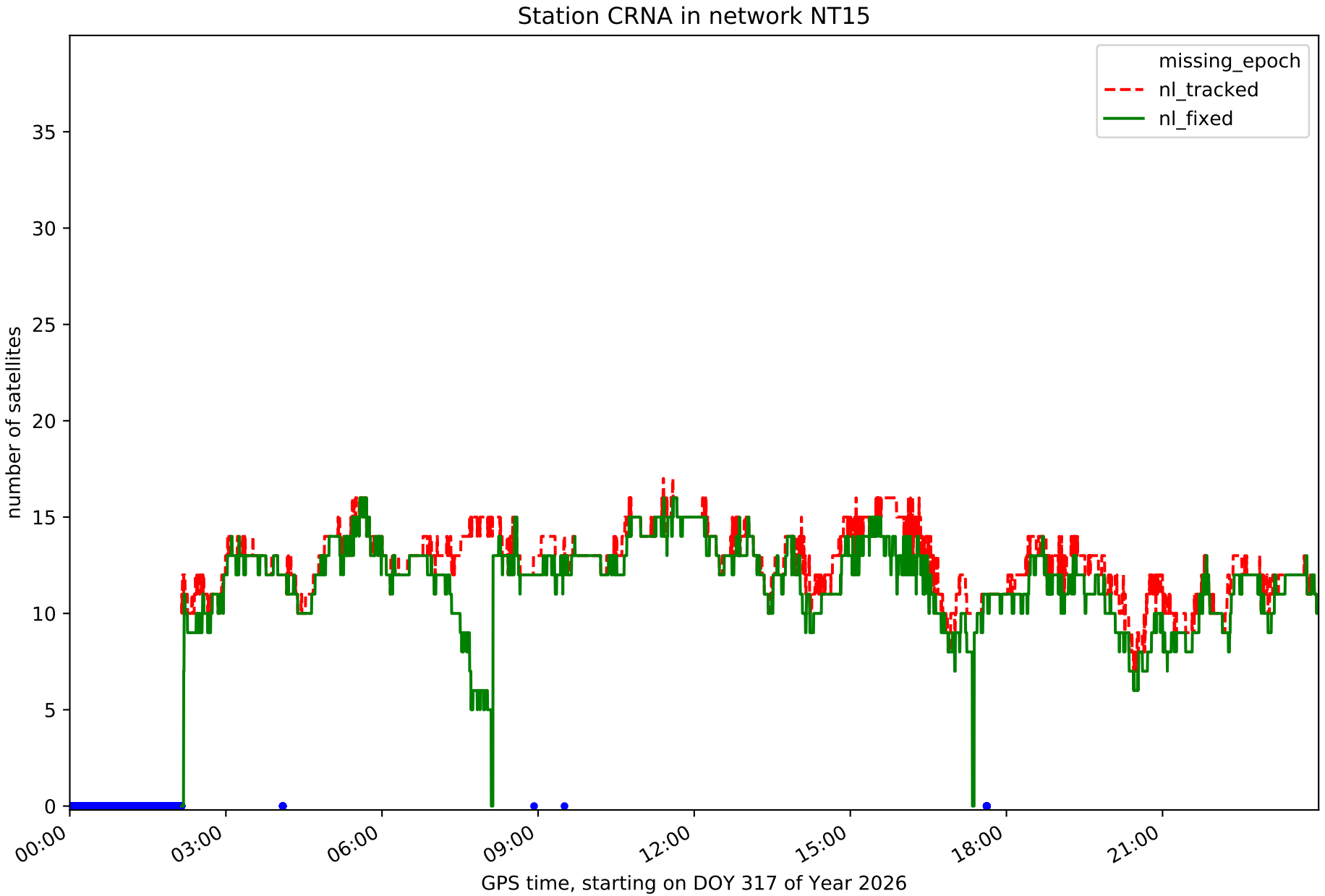

Station AJAL in network NT15
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

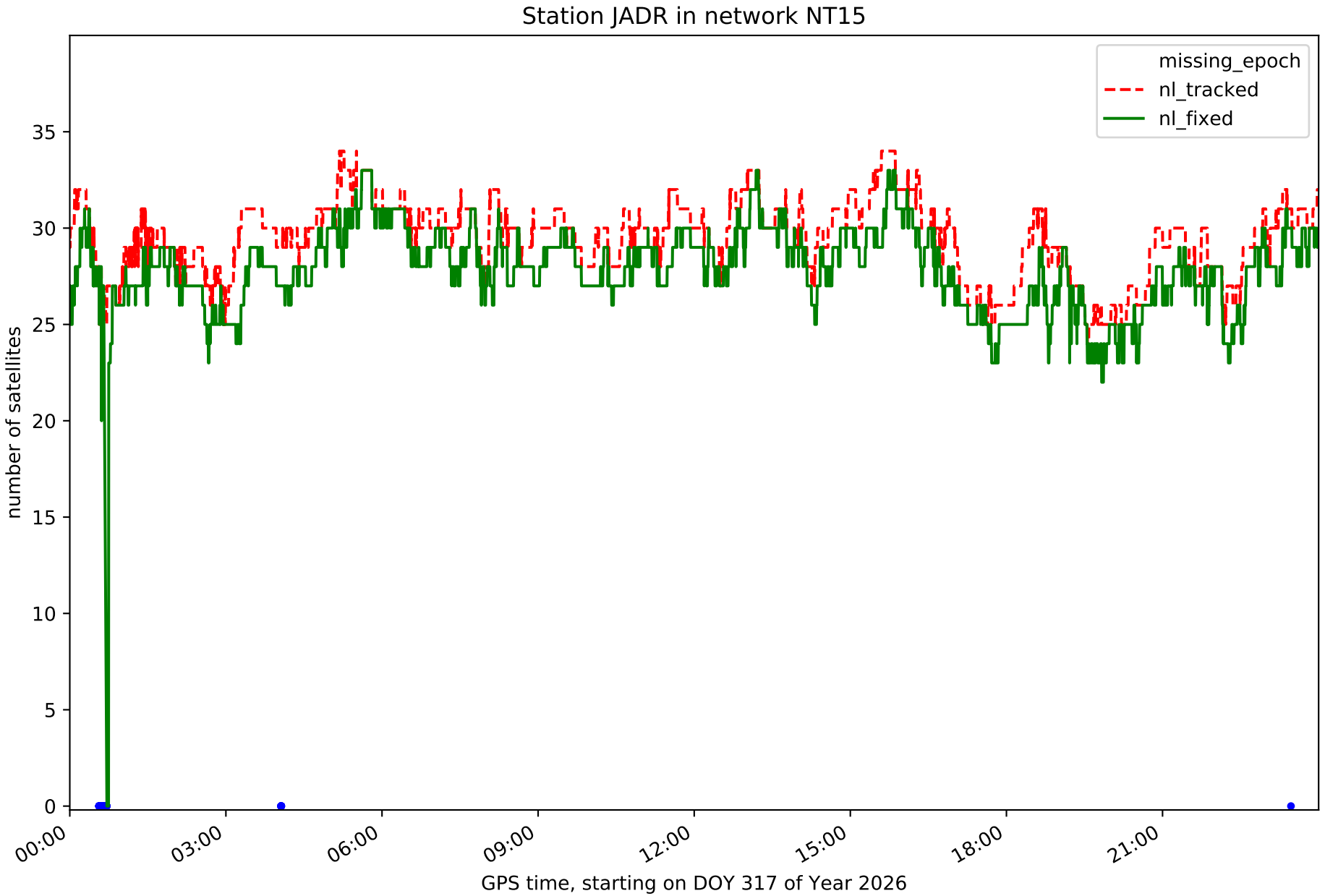

Station ALC1 in network NT15
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

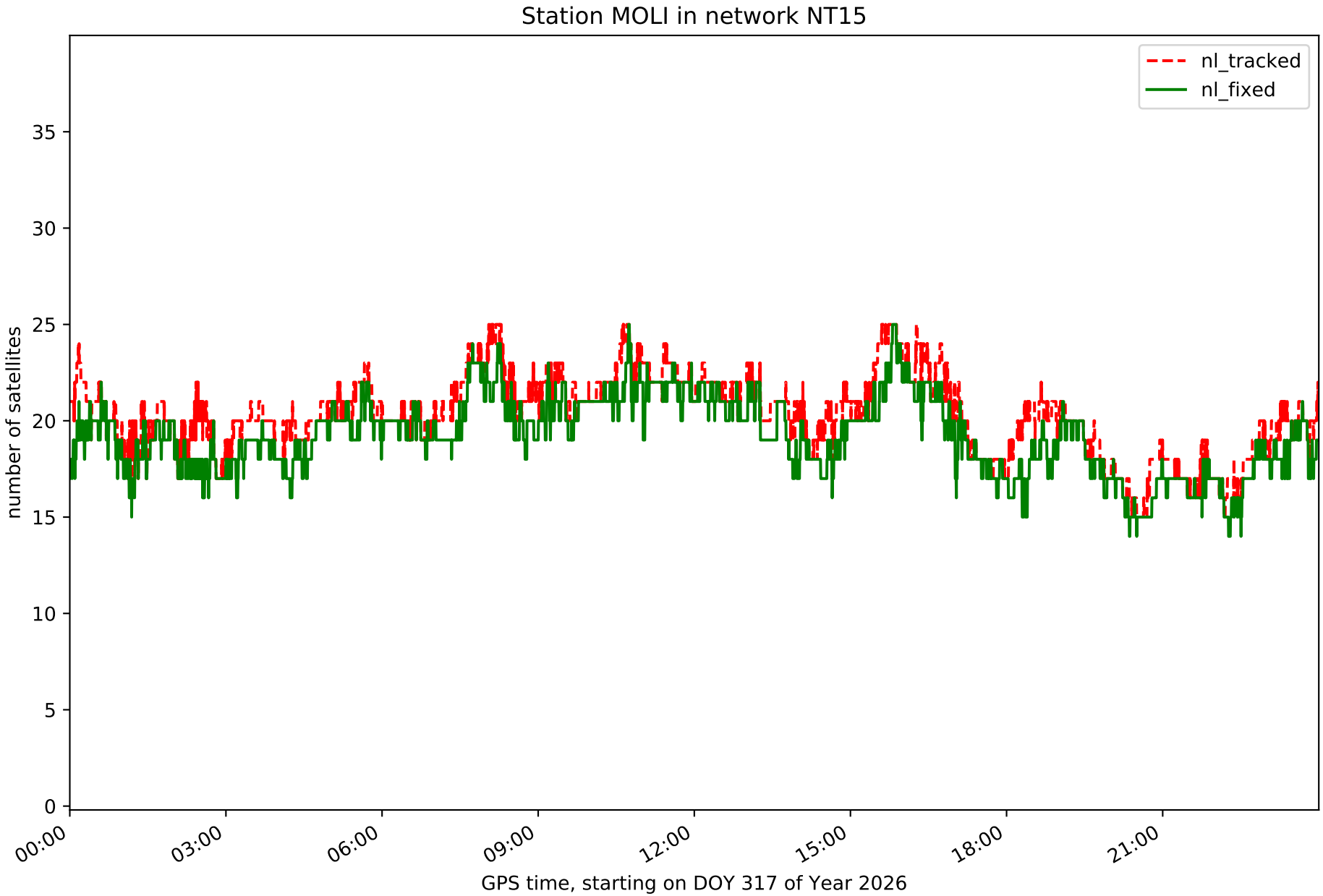

Station ALIA in network NT15
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

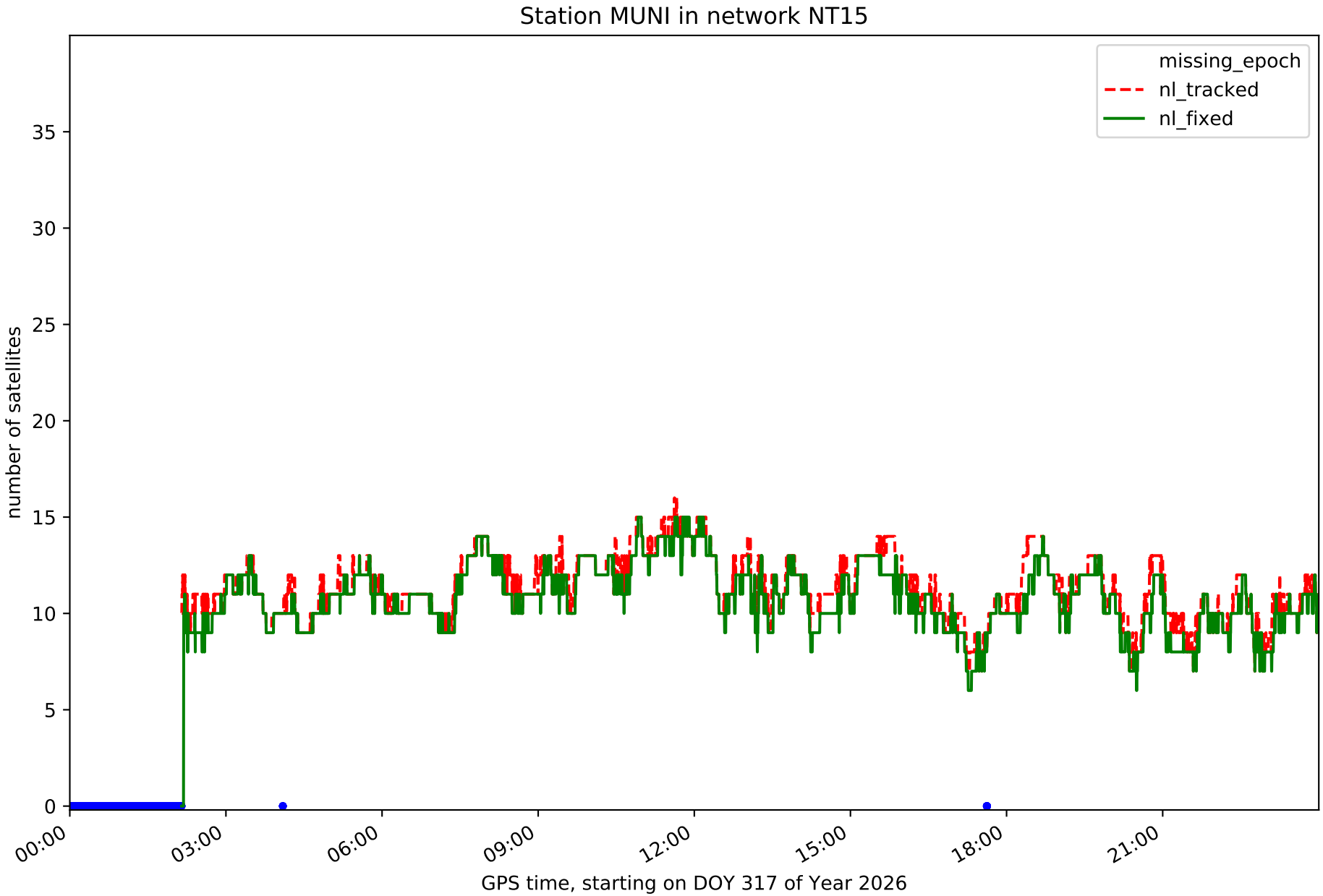

Station CALA in network NT15
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

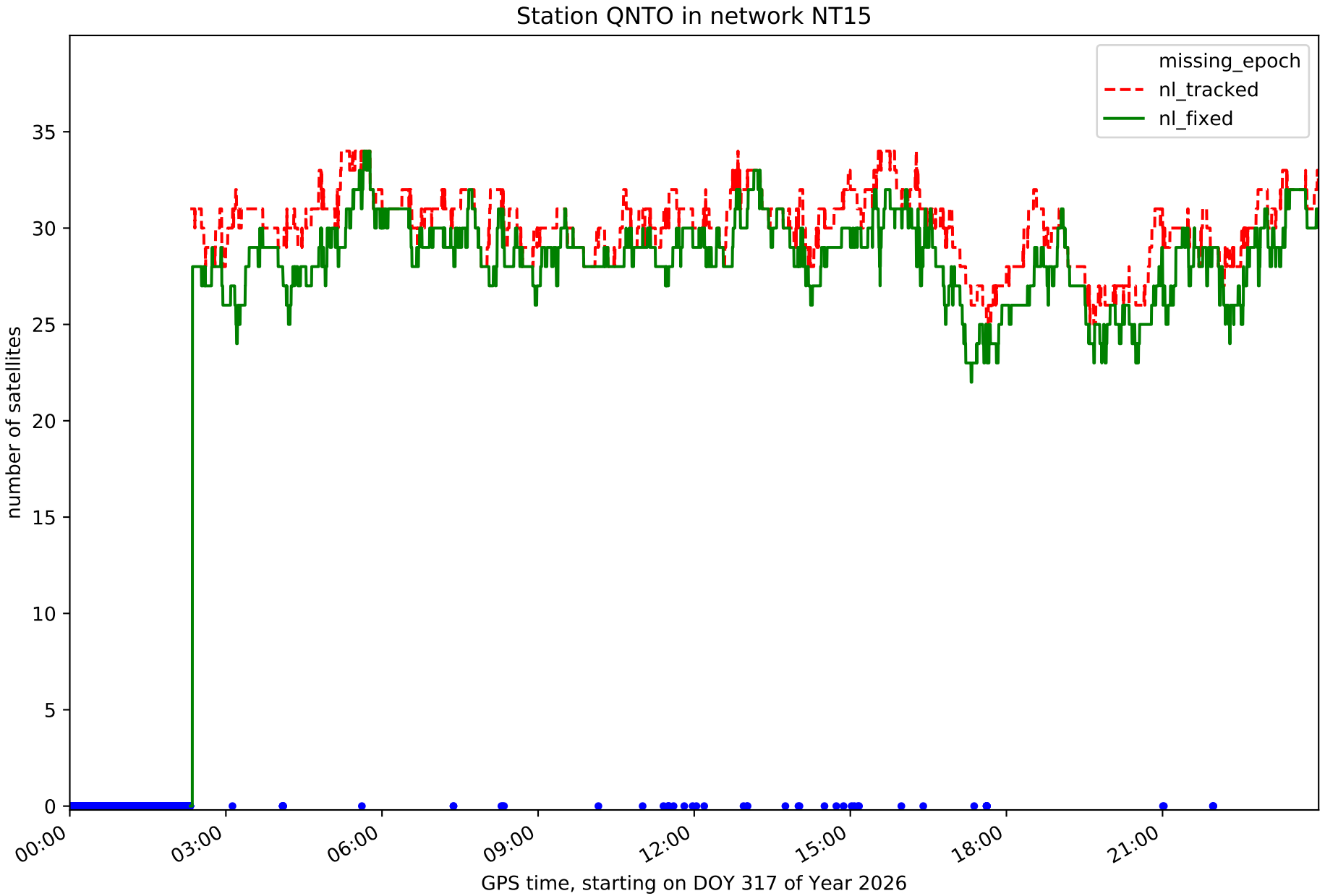

Station CATY in network NT15
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

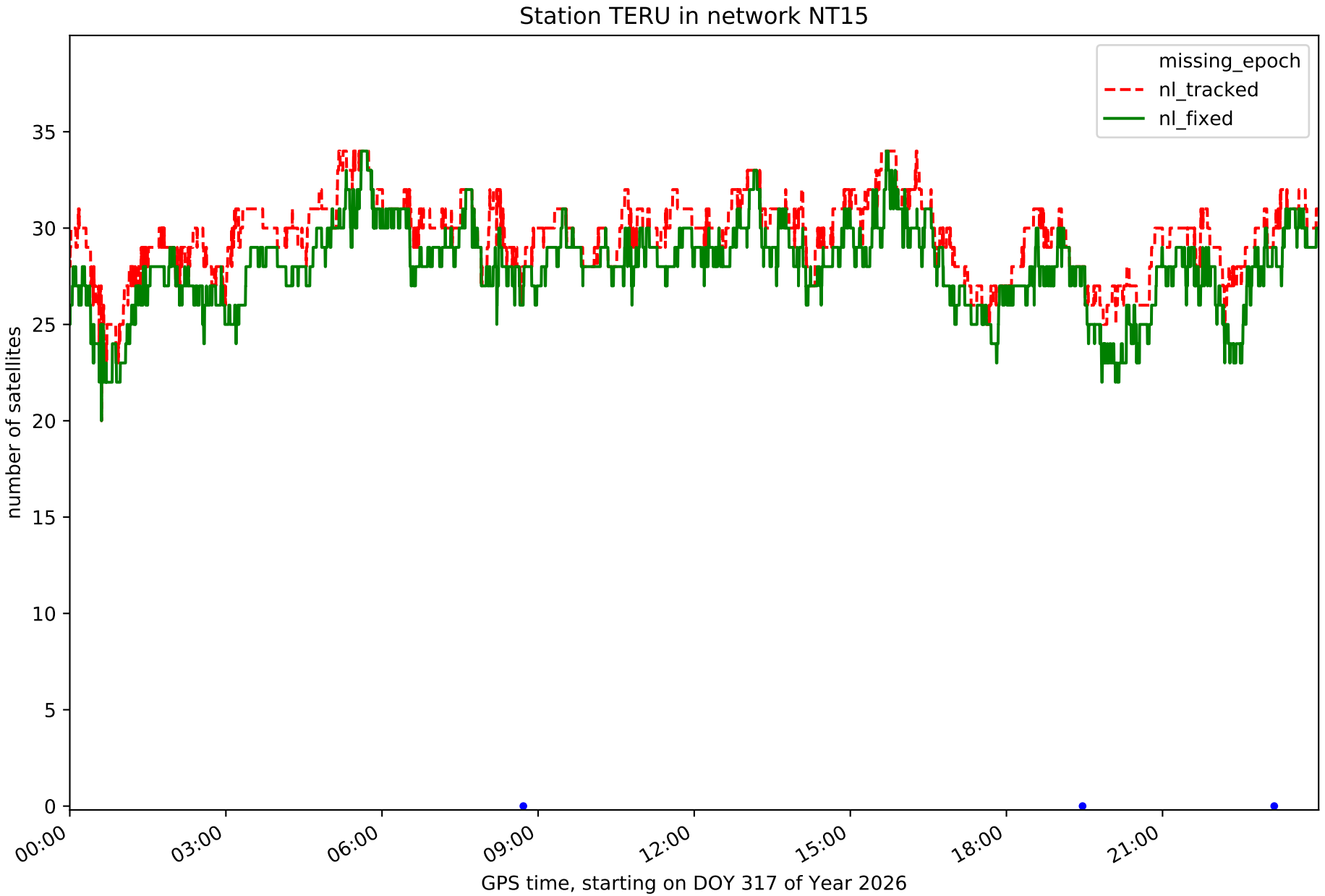

Station CRNA in network NT15
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

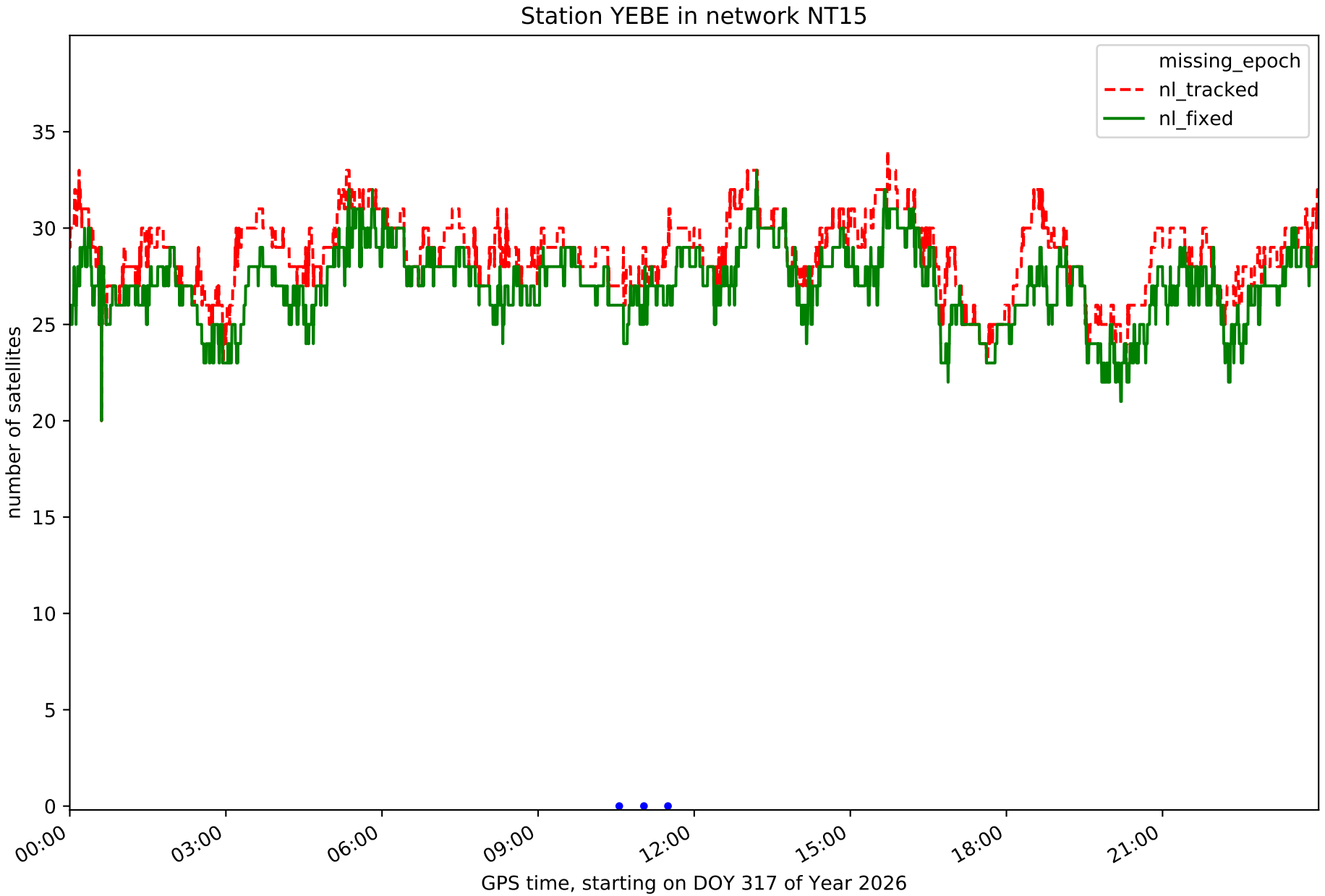

Station JADR in network NT15
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

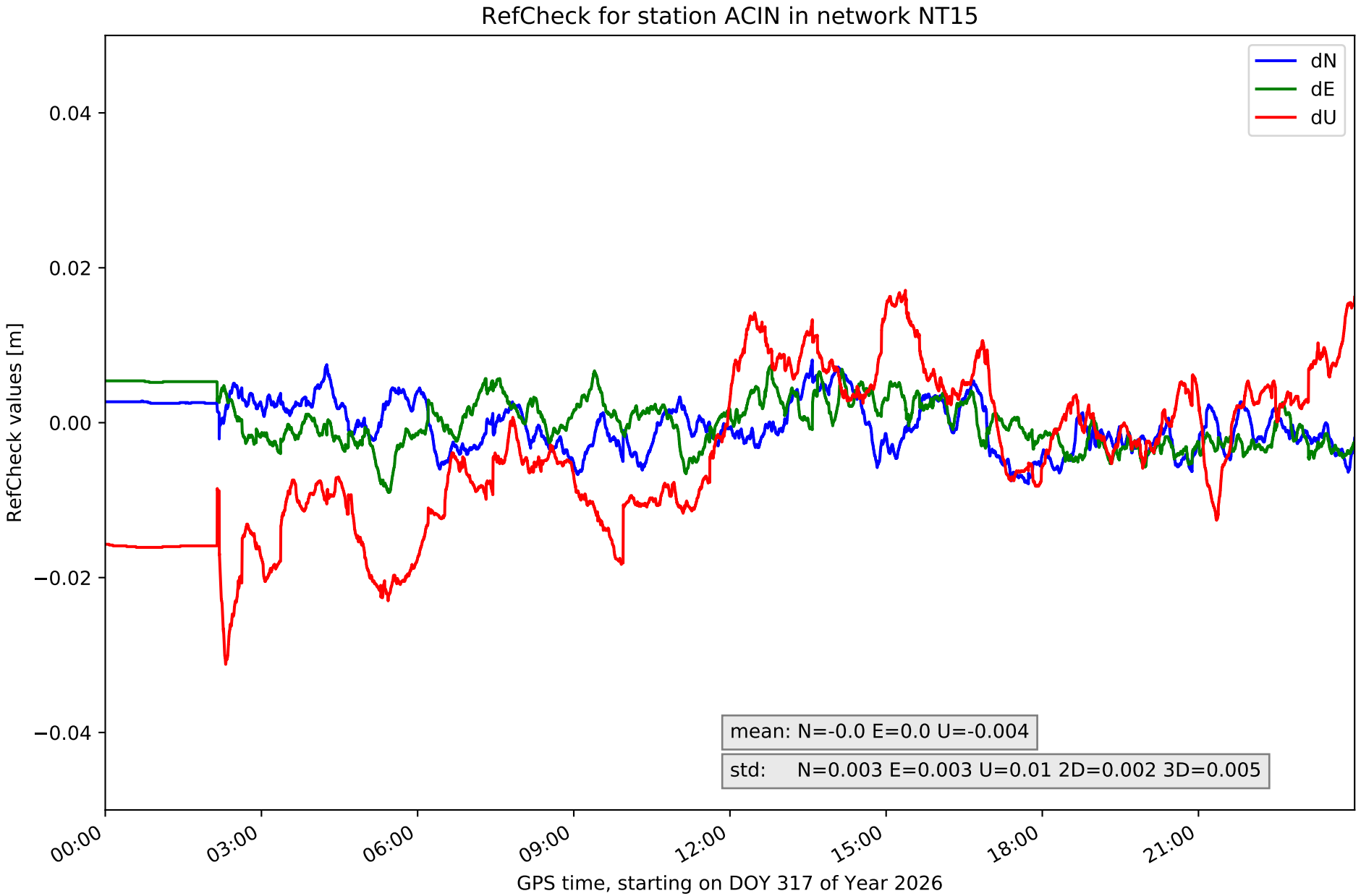

Station MOLI in network NT15
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

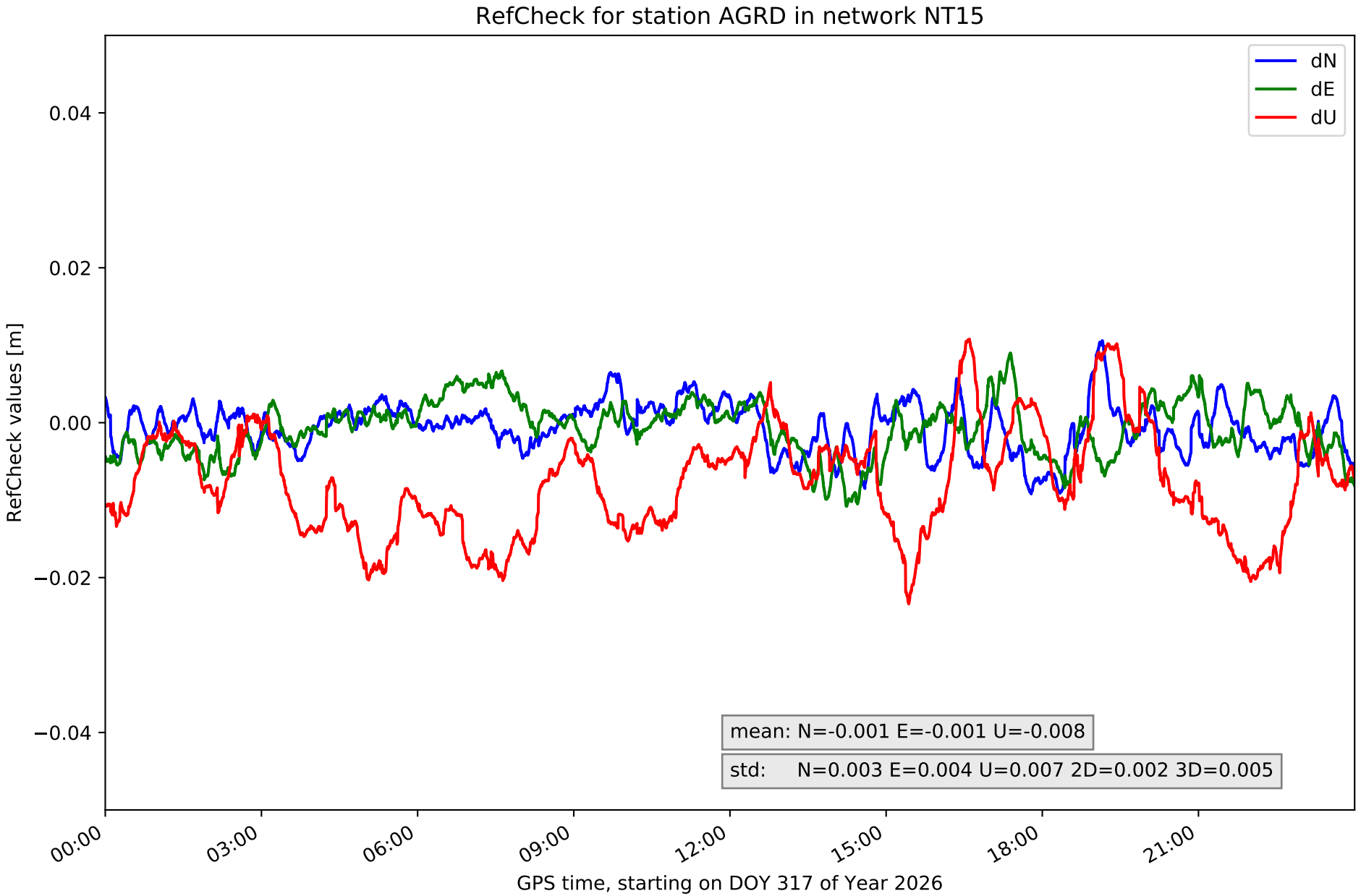

Station MUNI in network NT15
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

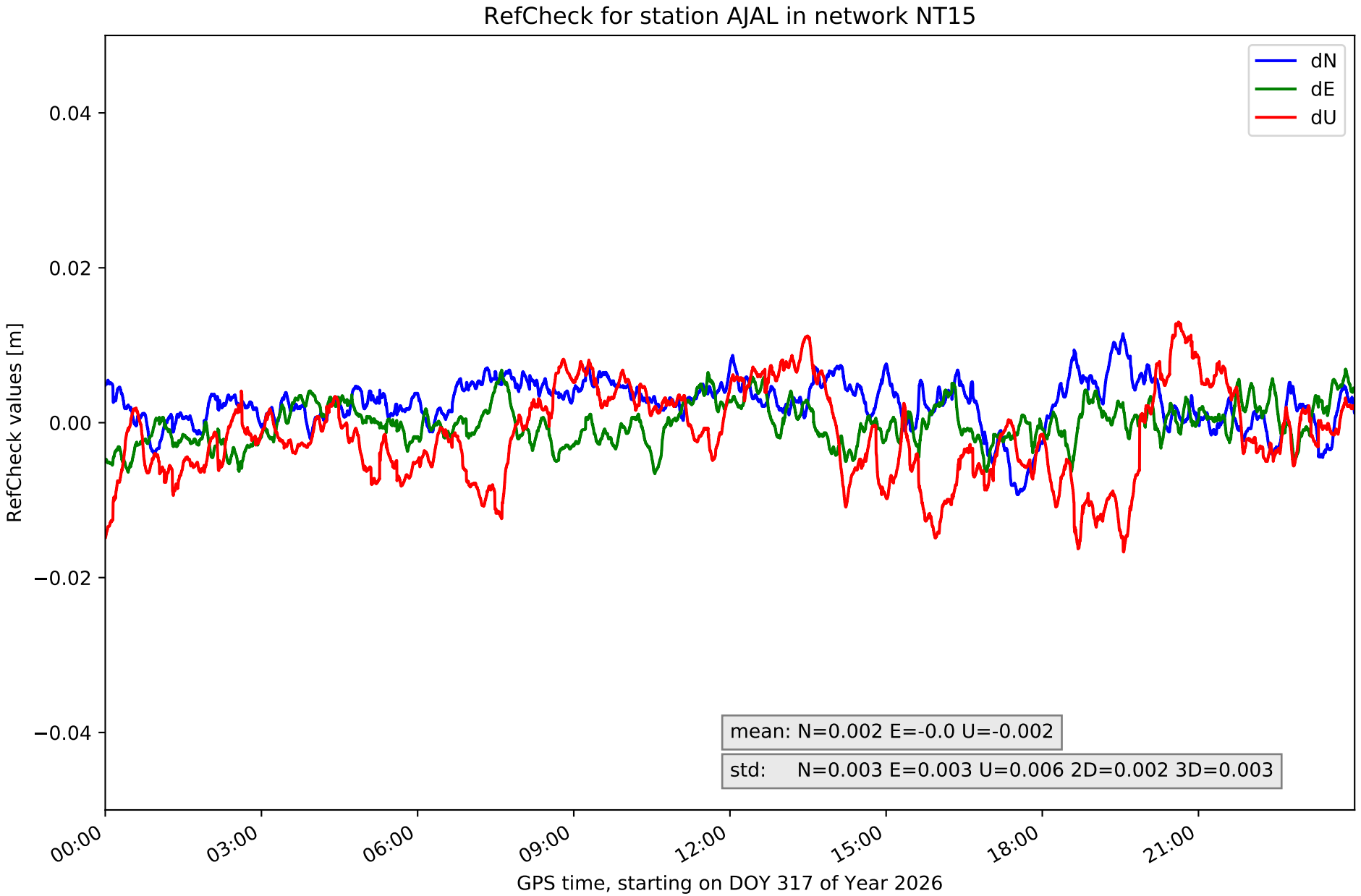

Station QNTO in network NT15
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

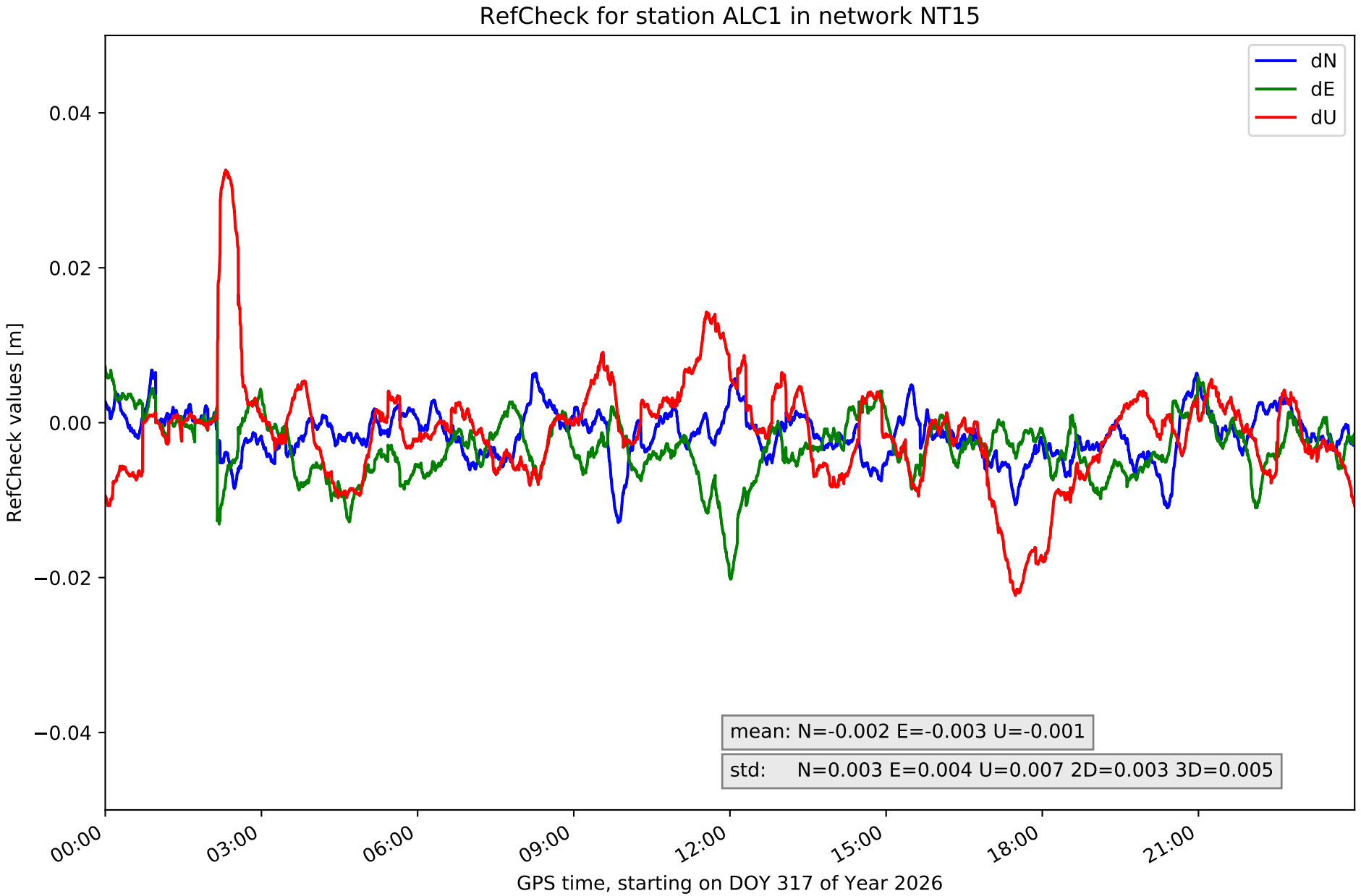

Station TERU in network NT15
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

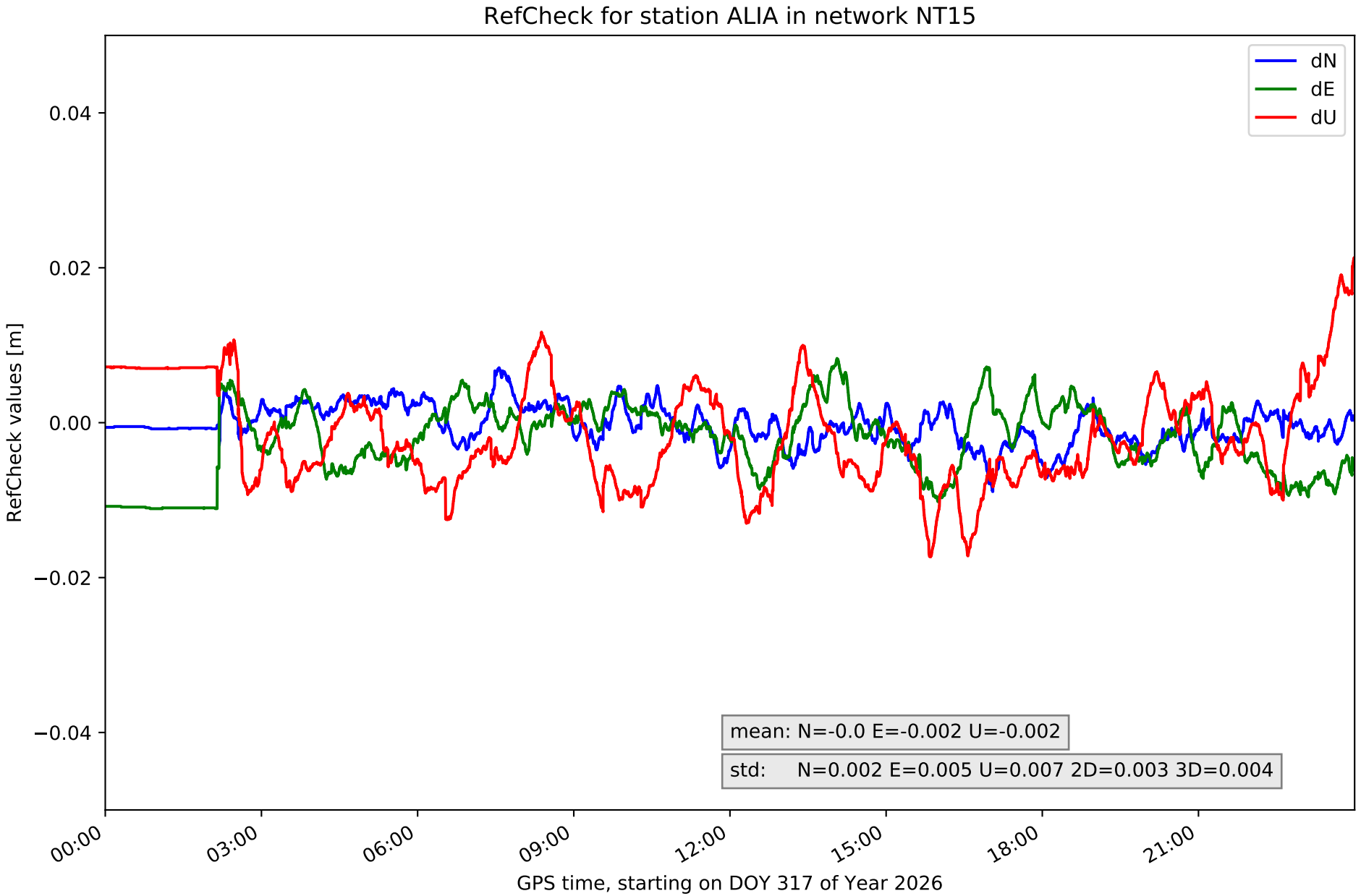

Station YEBE in network NT15
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

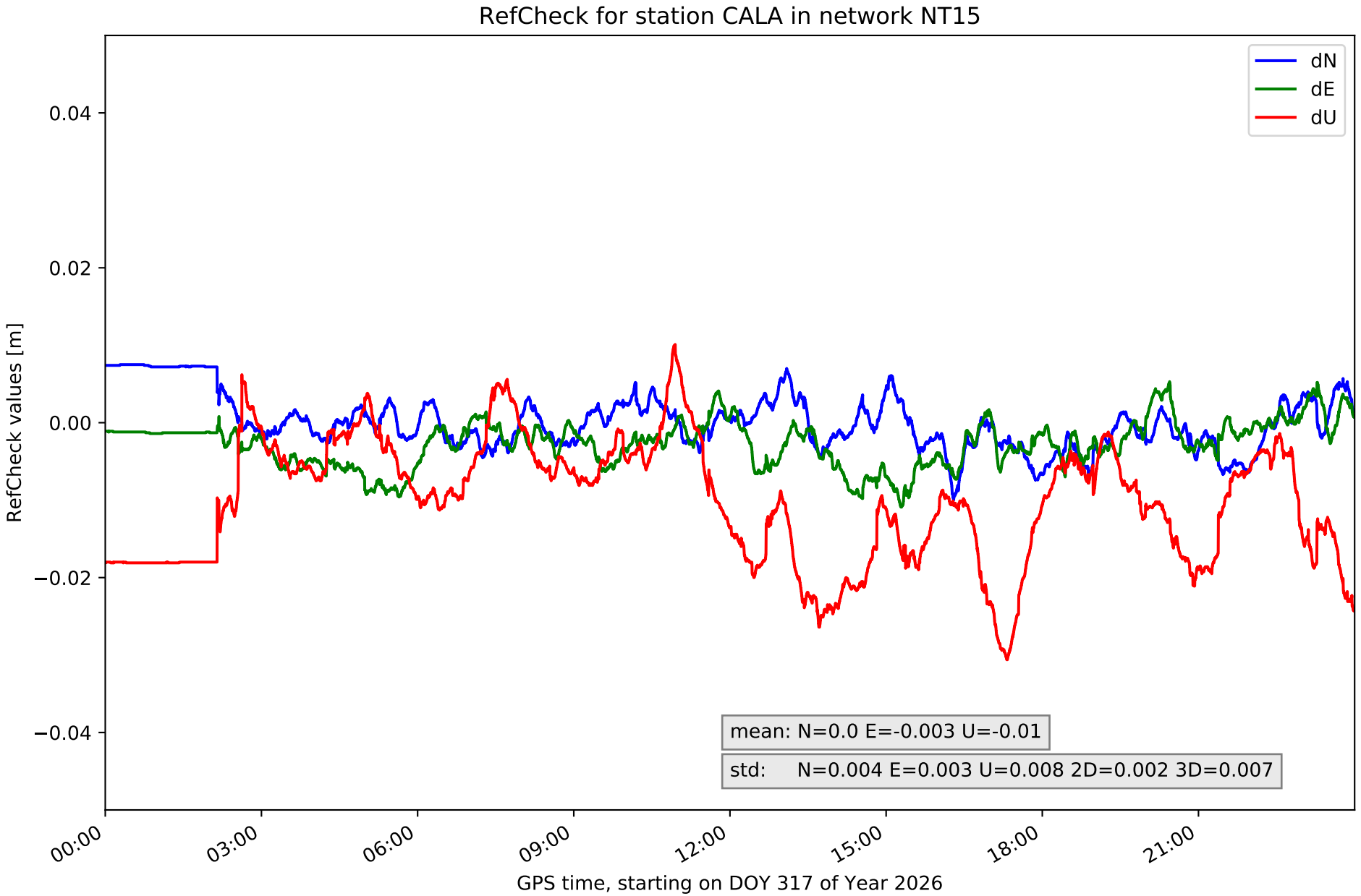

RefCheck for station ACIN in network NT15
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.0 E=0.0 U=-0.004
std: N=0.003 E=0.003 U=0.01 2D=0.002 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

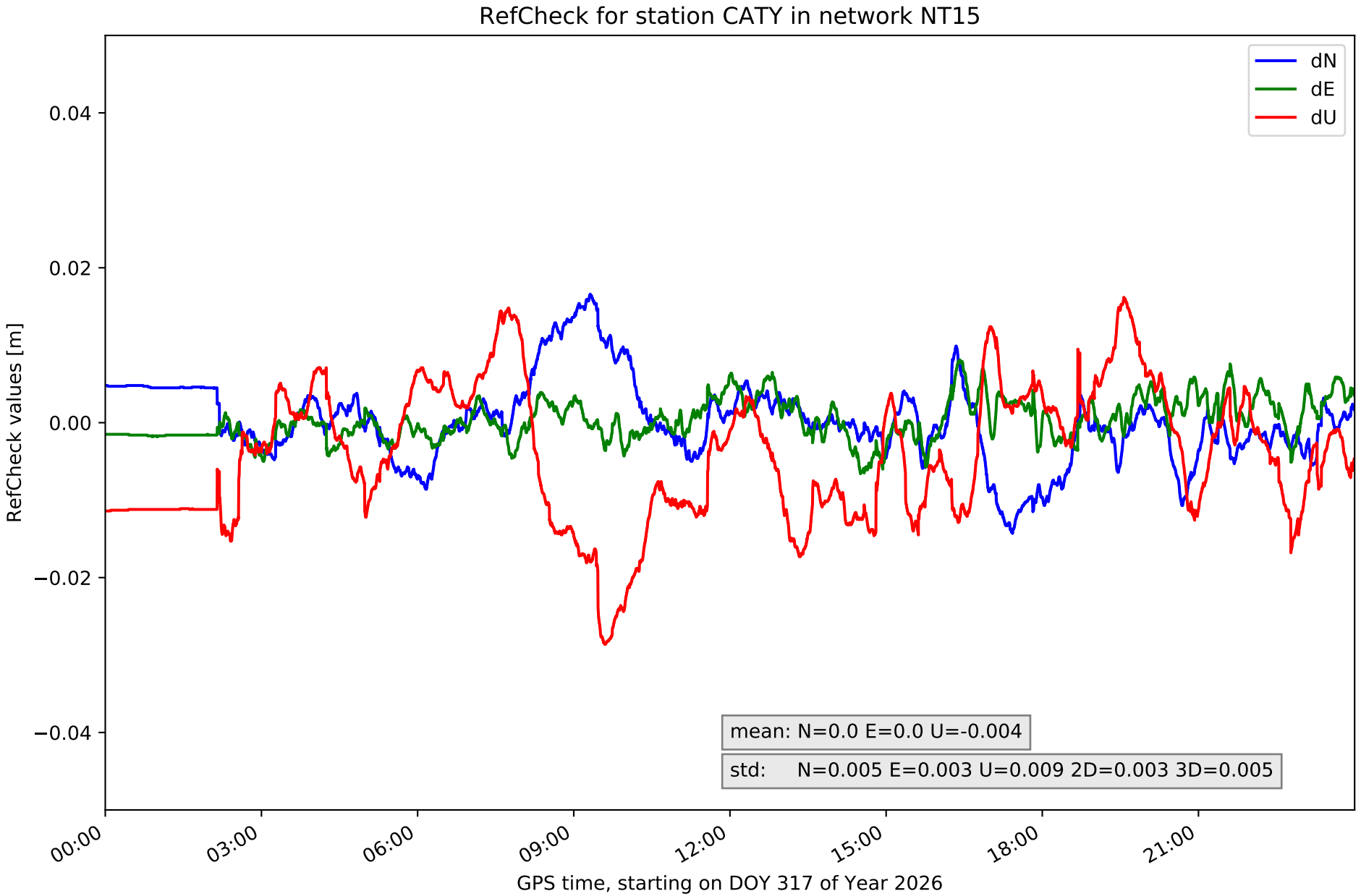

RefCheck for station AGRD in network NT15
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.001 E=-0.001 U=-0.008
std: N=0.003 E=0.004 U=0.007 2D=0.002 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

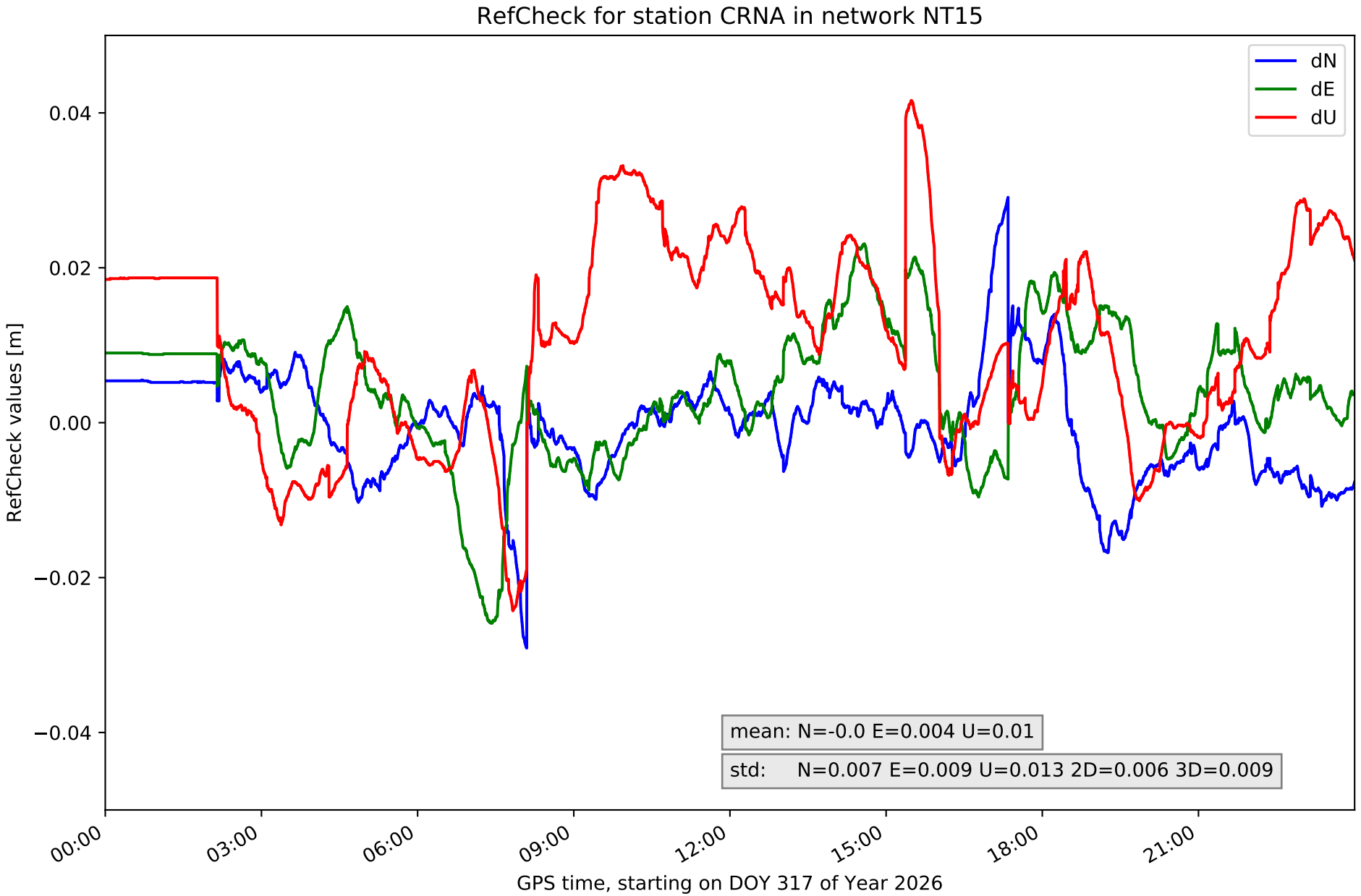

RefCheck for station AJAL in network NT15
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=-0.0 U=-0.002
std: N=0.003 E=0.003 U=0.006 2D=0.002 3D=0.003
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

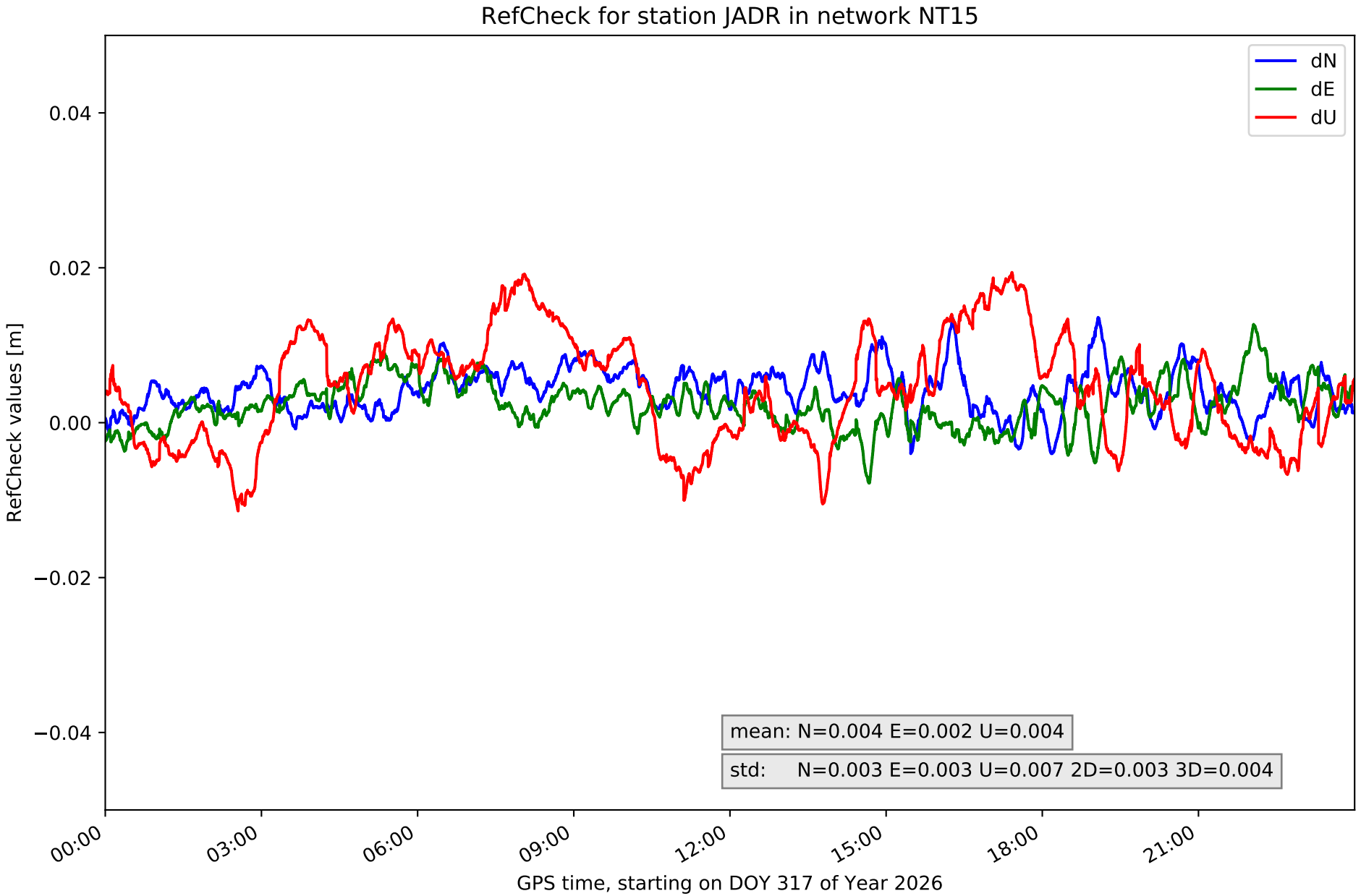

RefCheck for station ALC1 in network NT15
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.002 E=-0.003 U=-0.001
std: N=0.003 E=0.004 U=0.007 2D=0.003 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

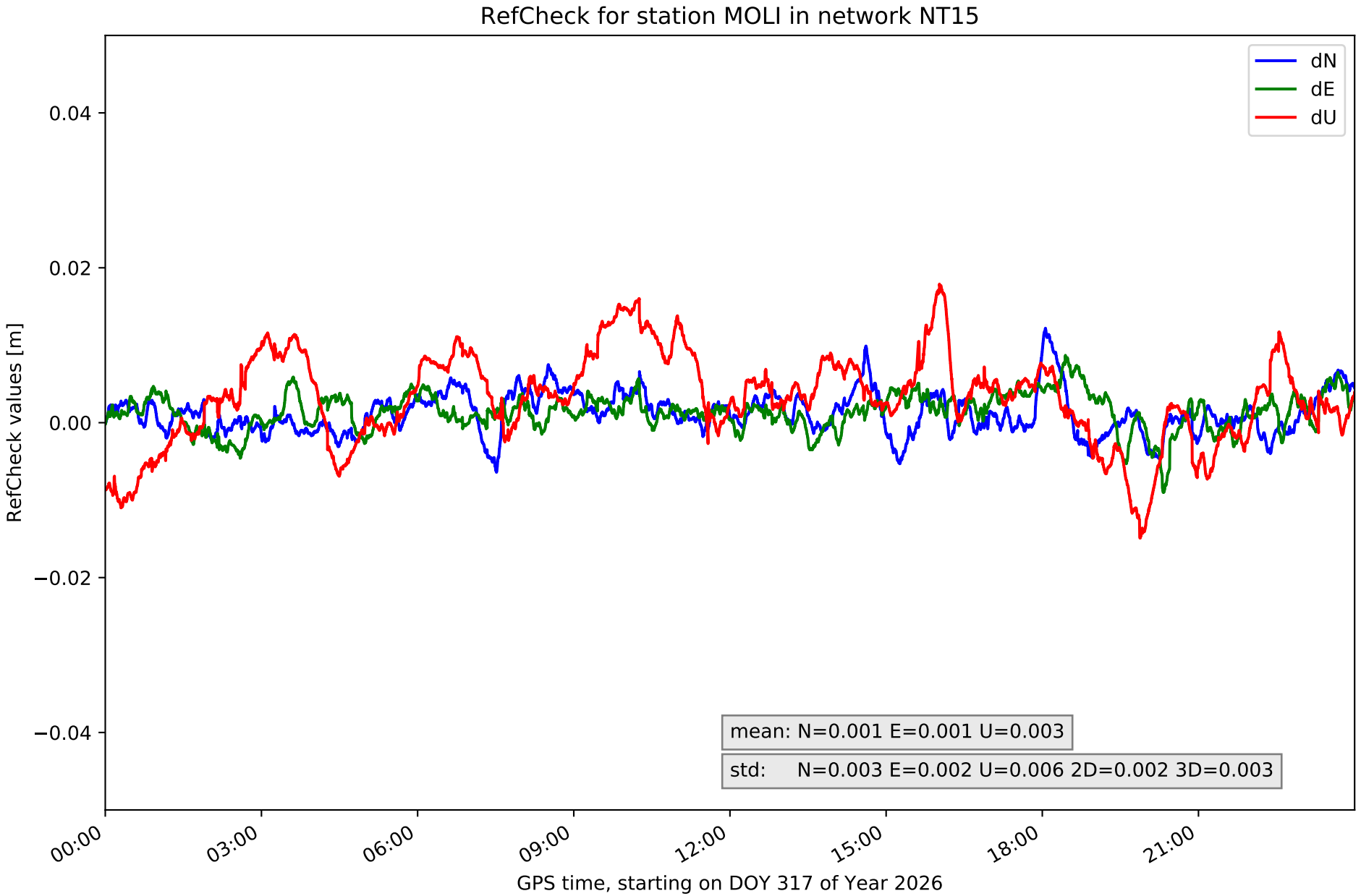

RefCheck for station ALIA in network NT15
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.0 E=-0.002 U=-0.002
std: N=0.002 E=0.005 U=0.007 2D=0.003 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

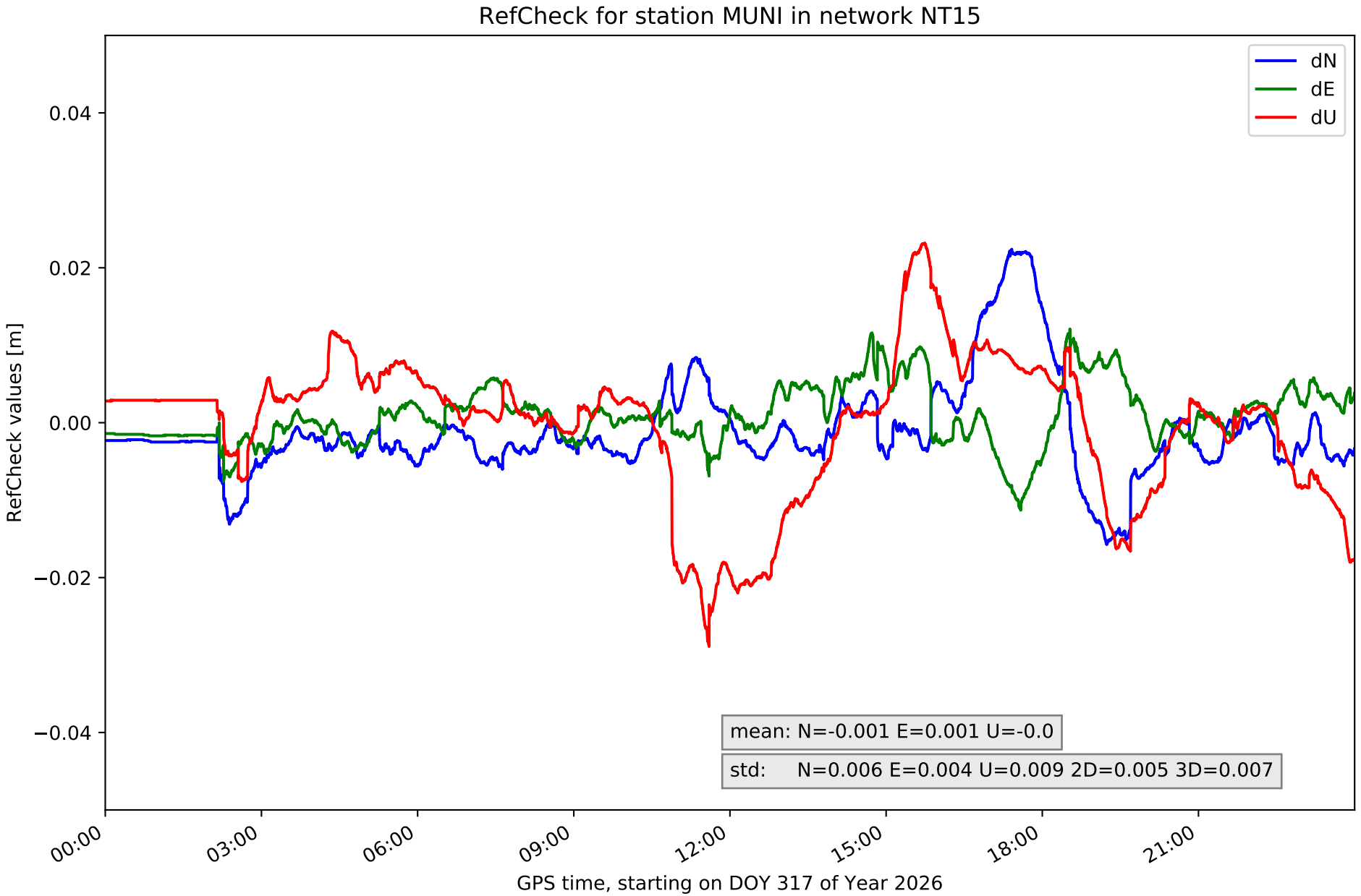

RefCheck for station CALA in network NT15
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.0 E=-0.003 U=-0.01
std: N=0.004 E=0.003 U=0.008 2D=0.002 3D=0.007
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

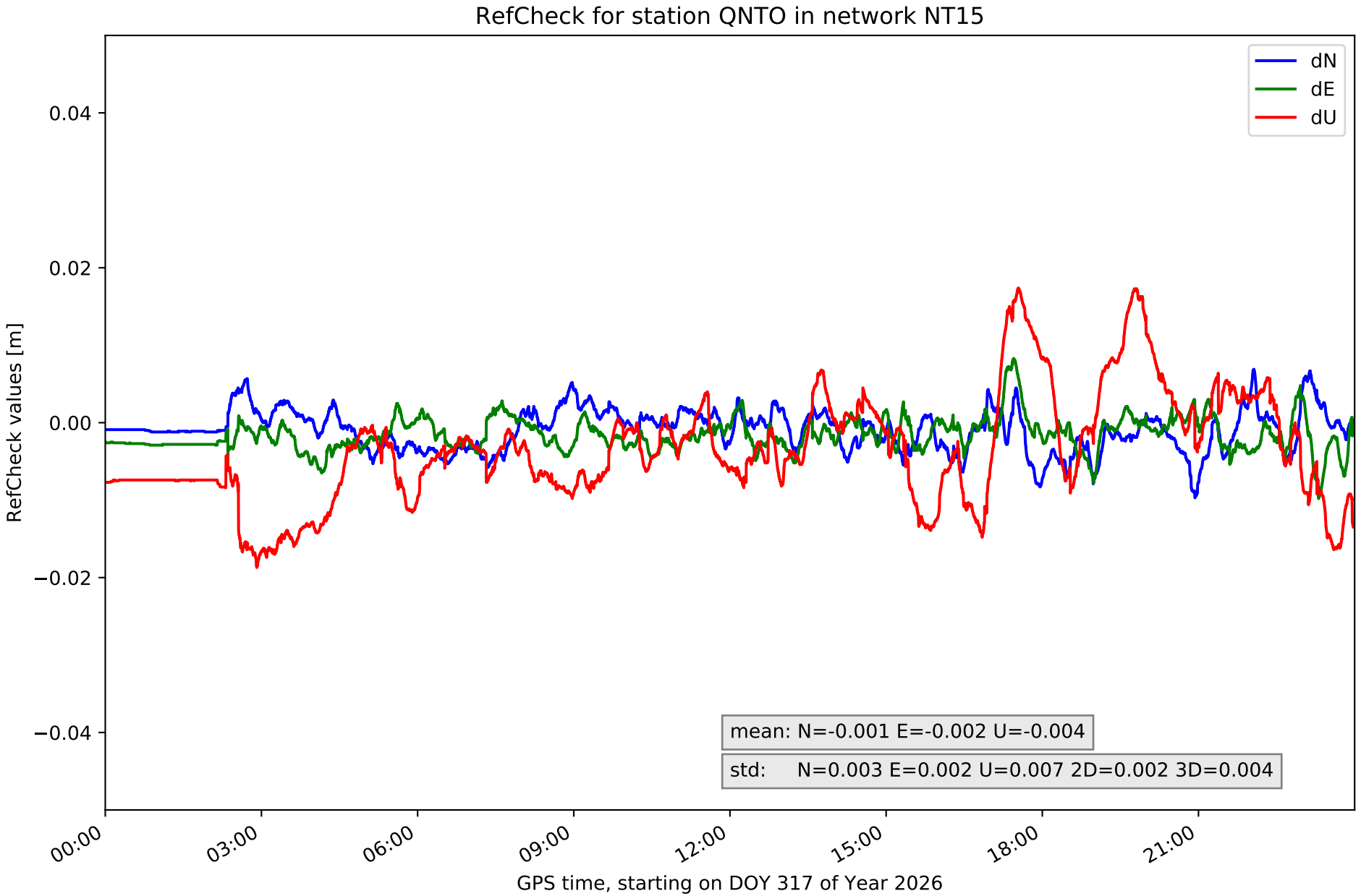

RefCheck for station CATY in network NT15
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.0 E=0.0 U=-0.004
std: N=0.005 E=0.003 U=0.009 2D=0.003 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

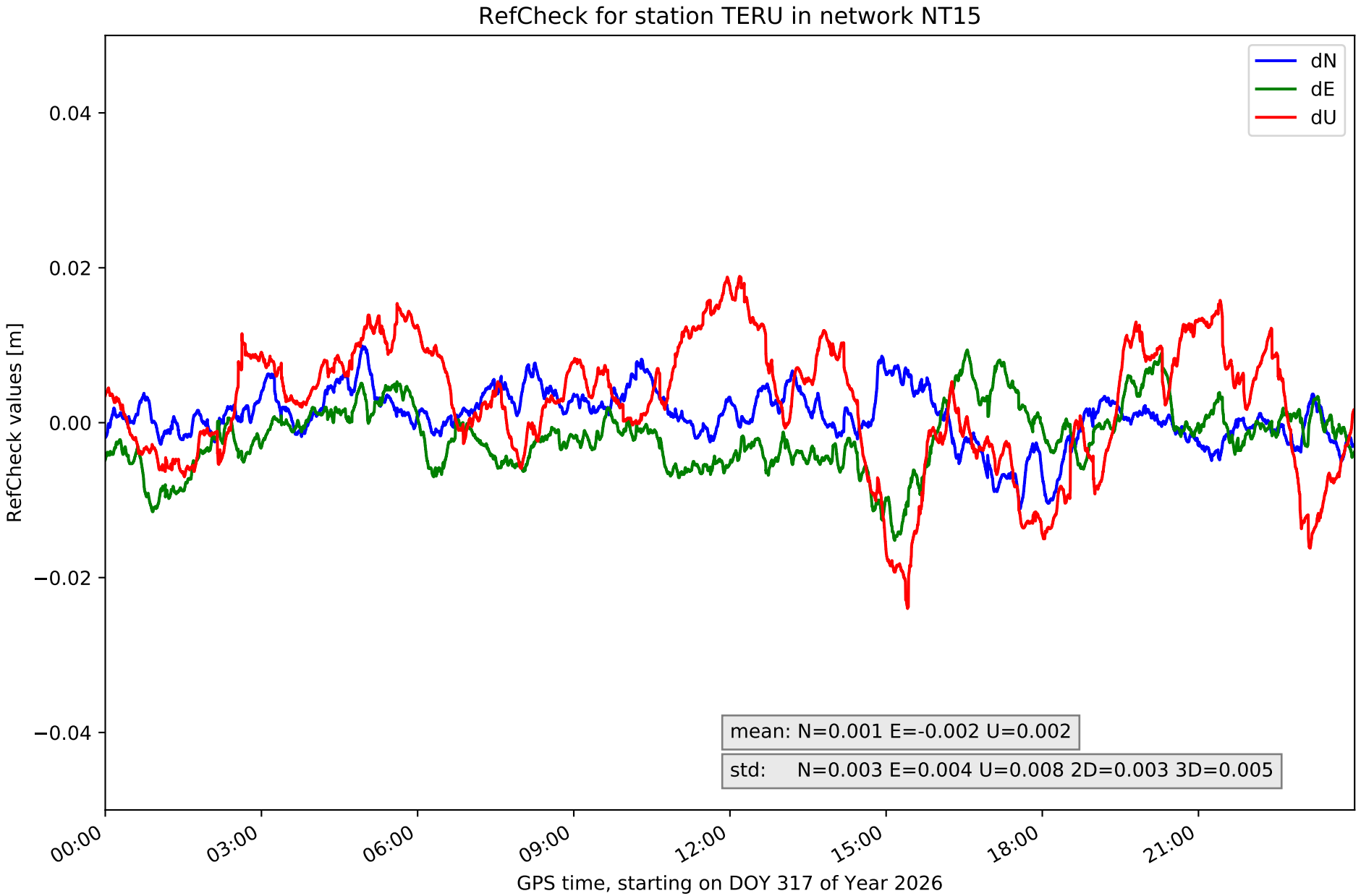

RefCheck for station CRNA in network NT15
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.0 E=0.004 U=0.01
std: N=0.007 E=0.009 U=0.013 2D=0.006 3D=0.009
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

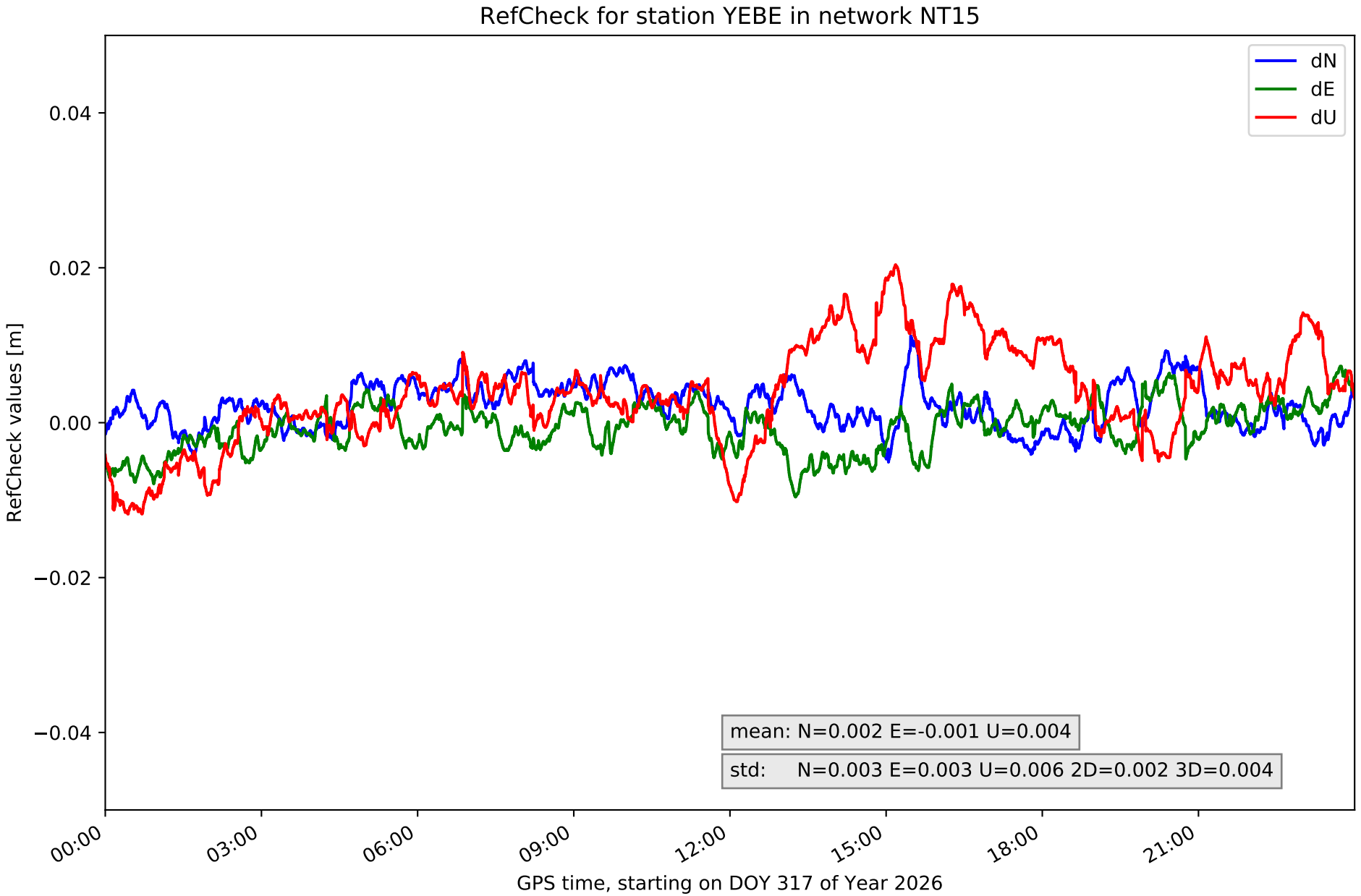

RefCheck for station JADR in network NT15
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.004 E=0.002 U=0.004
std: N=0.003 E=0.003 U=0.007 2D=0.003 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026


RefCheck for station MOLI in network NT15
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.001 E=0.001 U=0.003
std: N=0.003 E=0.002 U=0.006 2D=0.002 3D=0.003
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026


RefCheck for station MUNI in network NT15
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.001 E=0.001 U=-0.0
std: N=0.006 E=0.004 U=0.009 2D=0.005 3D=0.007
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026


RefCheck for station QNTO in network NT15
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.001 E=-0.002 U=-0.004
std: N=0.003 E=0.002 U=0.007 2D=0.002 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026


RefCheck for station TERU in network NT15
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.001 E=-0.002 U=0.002
std: N=0.003 E=0.004 U=0.008 2D=0.003 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026


RefCheck for station YEBE in network NT15
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=-0.001 U=0.004
std: N=0.003 E=0.003 U=0.006 2D=0.002 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

# RefCheck values for network NT15

| Station | Nmin | Nmax | Nstd | Emin | Emax | Estd | Umin | Umax | Ustd | std2D | std3D | #2D > 0.01 | % 2D > 0.01 | #3D > 0.02 | % 3D > 0.02 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ACIN | -0.008 | 0.008 | 0.003 | -0.009 | 0.007 | 0.003 | **-0.031** | 0.017 | 0.01 | 0.002 | 0.005 | 0 | 0.0 | 2241 | 5.1 |
| AGRD | -0.009 | 0.011 | 0.003 | -0.011 | 0.009 | 0.004 | -0.023 | 0.011 | 0.007 | 0.002 | 0.005 | 1247 | 2.9 | 1053 | 2.4 |
| AJAL | -0.009 | 0.011 | 0.003 | -0.007 | 0.007 | 0.003 | -0.017 | 0.013 | 0.006 | 0.002 | 0.003 | 336 | 0.8 | 17 | 0.0 |
| ALC1 | -0.013 | 0.007 | 0.003 | -0.02 | 0.007 | 0.004 | -0.022 | 0.033 | 0.007 | 0.003 | 0.005 | 2799 | 6.4 | 1465 | 3.4 |
| ALIA | -0.009 | 0.007 | 0.002 | -0.011 | 0.008 | 0.005 | -0.017 | 0.021 | 0.007 | 0.003 | 0.004 | 3993 | 9.2 | 109 | 0.3 |
| CALA | -0.01 | 0.007 | 0.004 | -0.011 | 0.005 | 0.003 | **-0.031** | 0.01 | 0.008 | 0.002 | 0.007 | 532 | 1.2 | 4995 | 11.5 |
| CATY | -0.014 | 0.017 | 0.005 | -0.007 | 0.008 | 0.003 | -0.029 | 0.016 | 0.009 | 0.003 | 0.005 | 4442 | 10.2 | 2181 | 5.0 |
| CRNA | **-0.029** | **0.029** | **0.007** | **-0.026** | **0.023** | **0.009** | -0.024 | **0.042** | **0.013** | **0.006** | **0.009** | **19949** | **45.8** | **20441** | **47.0** |
| JADR | -0.004 | 0.014 | 0.003 | -0.008 | 0.013 | 0.003 | -0.011 | 0.019 | 0.007 | 0.003 | 0.004 | 2417 | 5.6 | 103 | 0.2 |
| MOLI | -0.006 | 0.012 | 0.003 | -0.009 | 0.009 | 0.002 | -0.015 | 0.018 | 0.006 | 0.002 | 0.003 | 442 | 1.0 | 0 | 0.0 |
| MUNI | -0.016 | 0.022 | 0.006 | -0.011 | 0.012 | 0.004 | -0.029 | 0.023 | 0.009 | 0.005 | 0.007 | 6128 | 14.1 | 5668 | 13.0 |
| QNTO | -0.01 | 0.007 | 0.003 | -0.01 | 0.008 | 0.002 | -0.019 | 0.017 | 0.007 | 0.002 | 0.004 | 65 | 0.1 | 0 | 0.0 |
| TERU | -0.011 | 0.01 | 0.003 | -0.015 | 0.009 | 0.004 | -0.024 | 0.019 | 0.008 | 0.003 | 0.005 | 2770 | 6.4 | 880 | 2.0 |
| YEBE | -0.005 | 0.011 | 0.003 | -0.01 | 0.007 | 0.003 | -0.012 | 0.02 | 0.006 | 0.002 | 0.004 | 676 | 1.6 | 119 | 0.3 |
| **Mean** | **-0.011** | **0.012** | **0.004** | **-0.012** | **0.009** | **0.004** | **-0.022** | **0.02** | **0.008** | **0.003** | **0.005** | **3271.1** | **7.5** | **2805.1** | **6.4** |
| **Min/Max** | **-0.029** | **0.029** | **0.007** | **-0.026** | **0.023** | **0.009** | **-0.031** | **0.042** | **0.013** | **0.006** | **0.009** | **19949** | **45.8** | **20441** | **47.0** |

# fixing statistic for network NT15

| fixing percentage of | all GNSS | G | R | E | C |
|---|---|---|---|---|---|
| using threshold 0.3 | 94.3 | 94.8 | 95.0 | 95.2 | 92.5 |
| considering satellites with dual-frequency fixed | 93.3 | 93.7 | 93.6 | 94.5 | 91.2 |
| considering all signals separately | 93.4 | 93.8 | 93.6 | 94.8 | 90.0 |