# summary for network NT31

timeperiod chosen: from 2026-10-25-00:00:00 until 2026-10-25-23:59:59

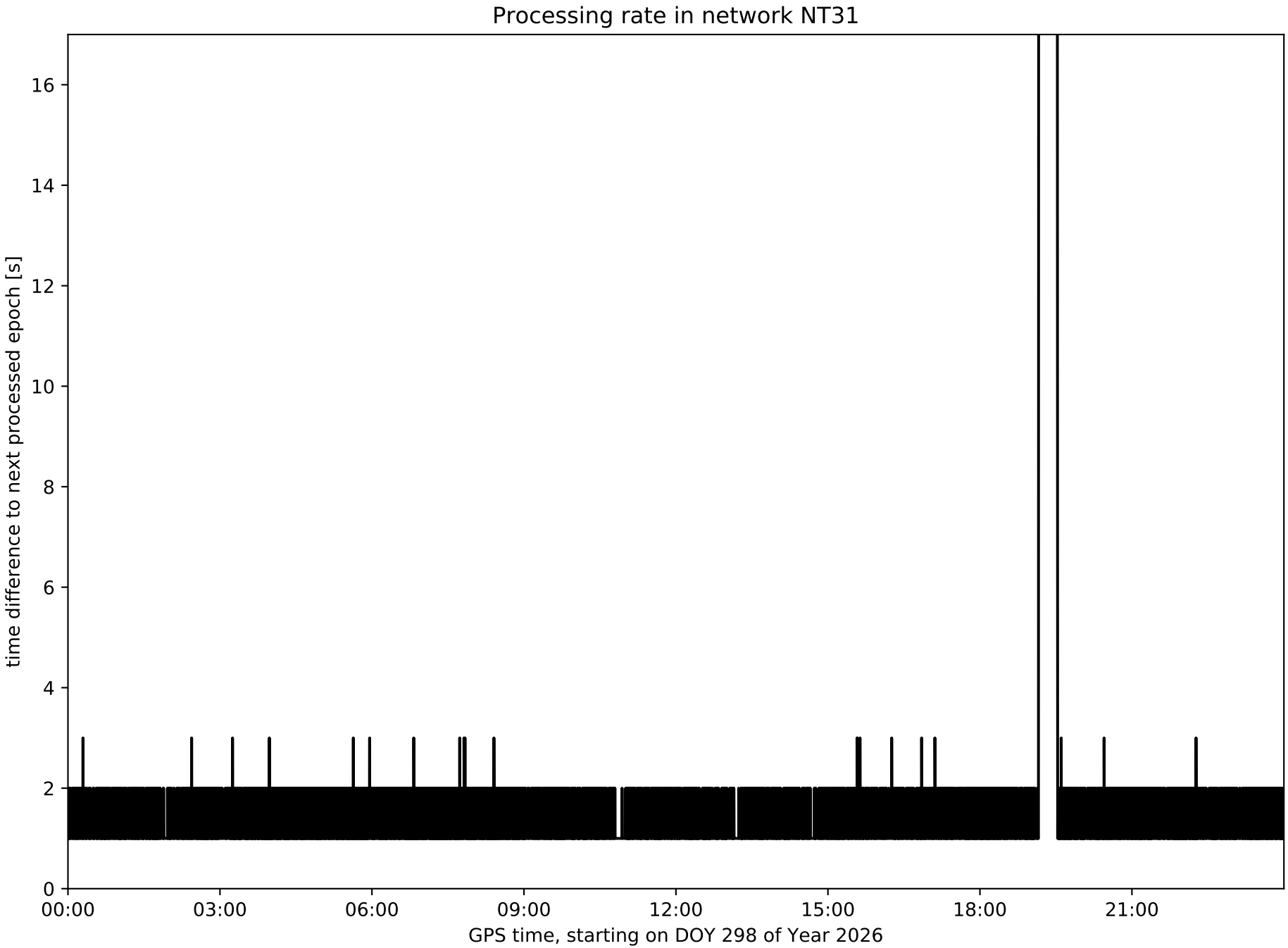
average update rate (durations larger than 15 seconds considered as observation gap): 1.1 seconds

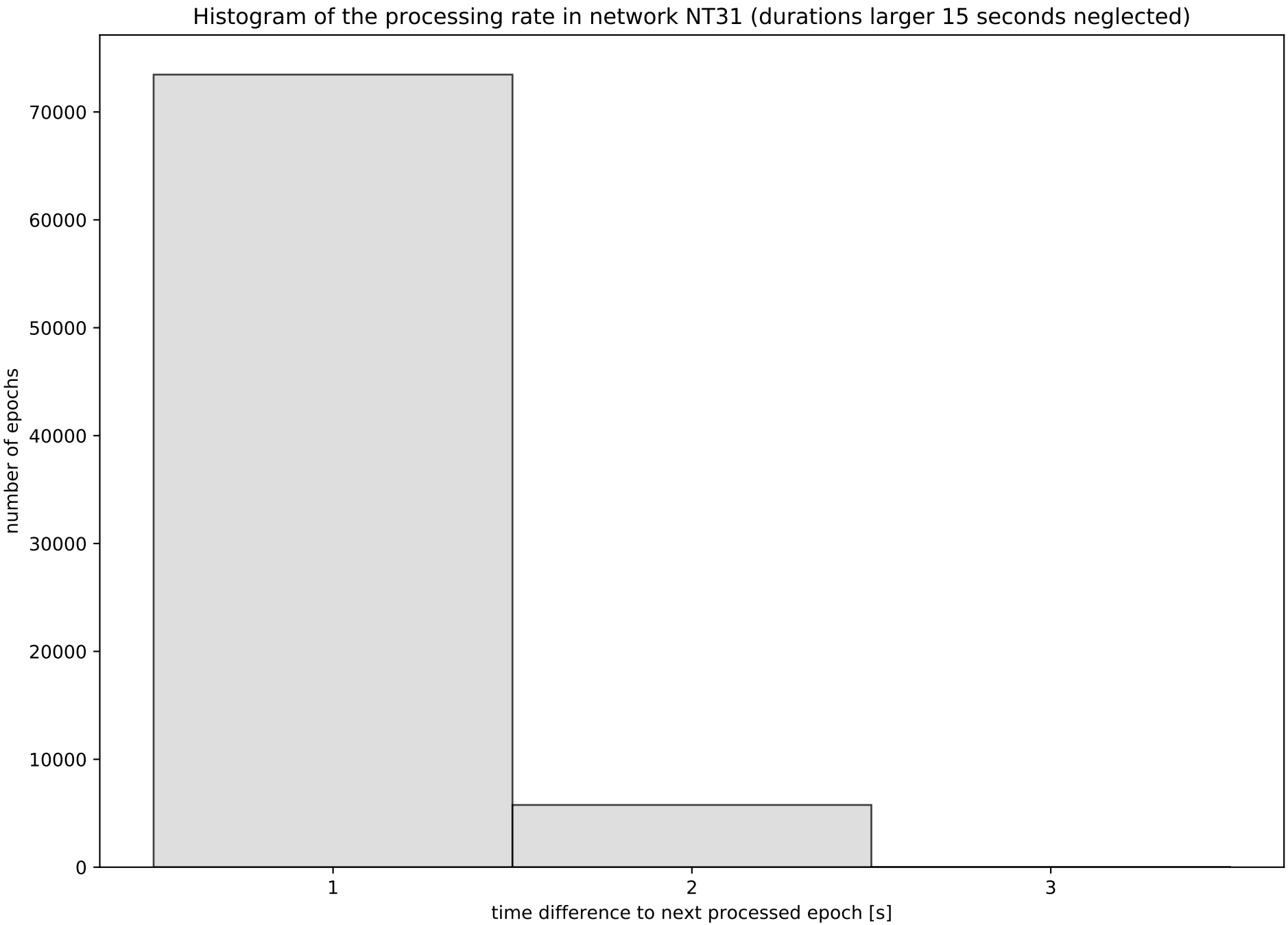
average fixing percentage with threshold set to 0.3: 87.5 percent

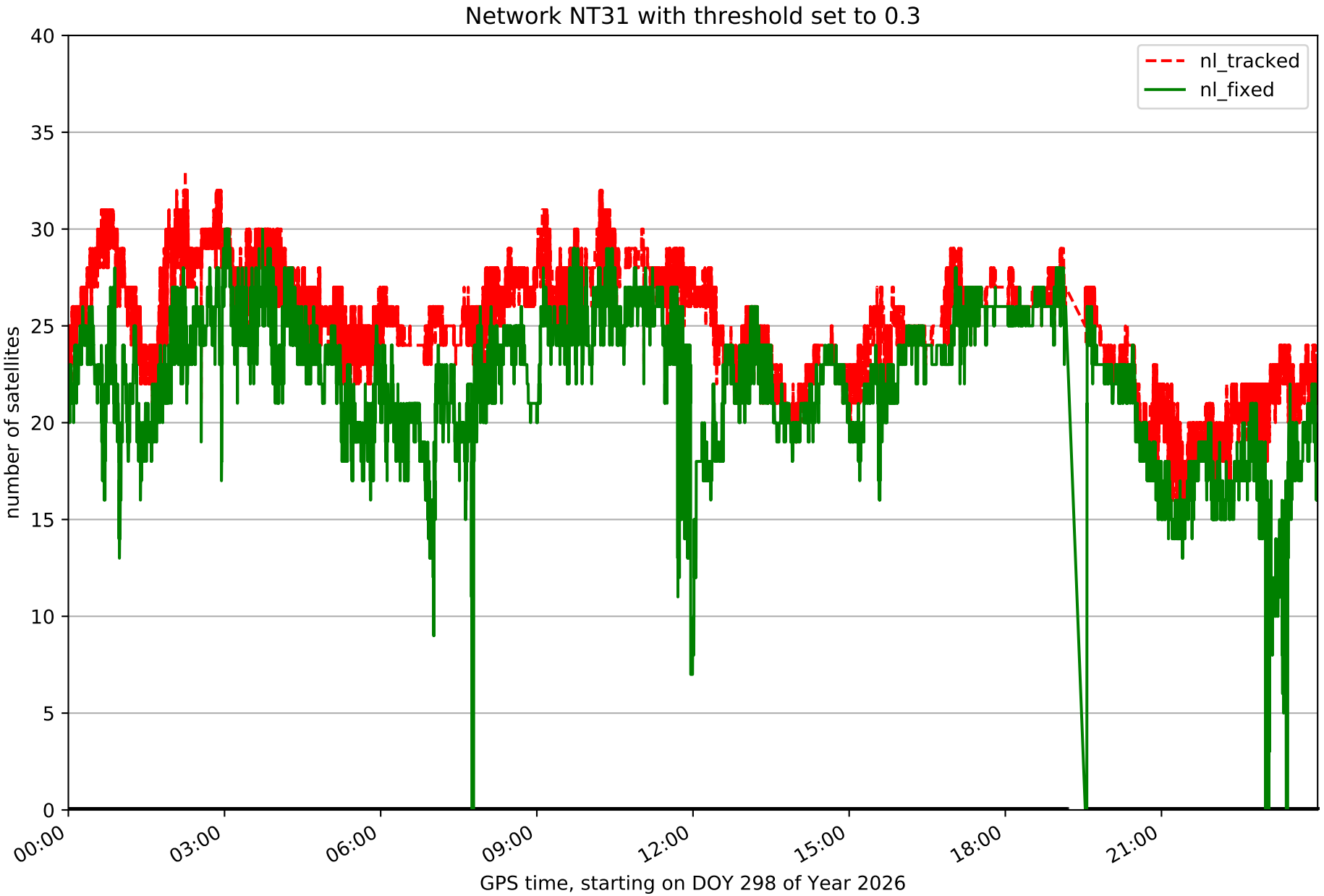
stations available: 7 of 7

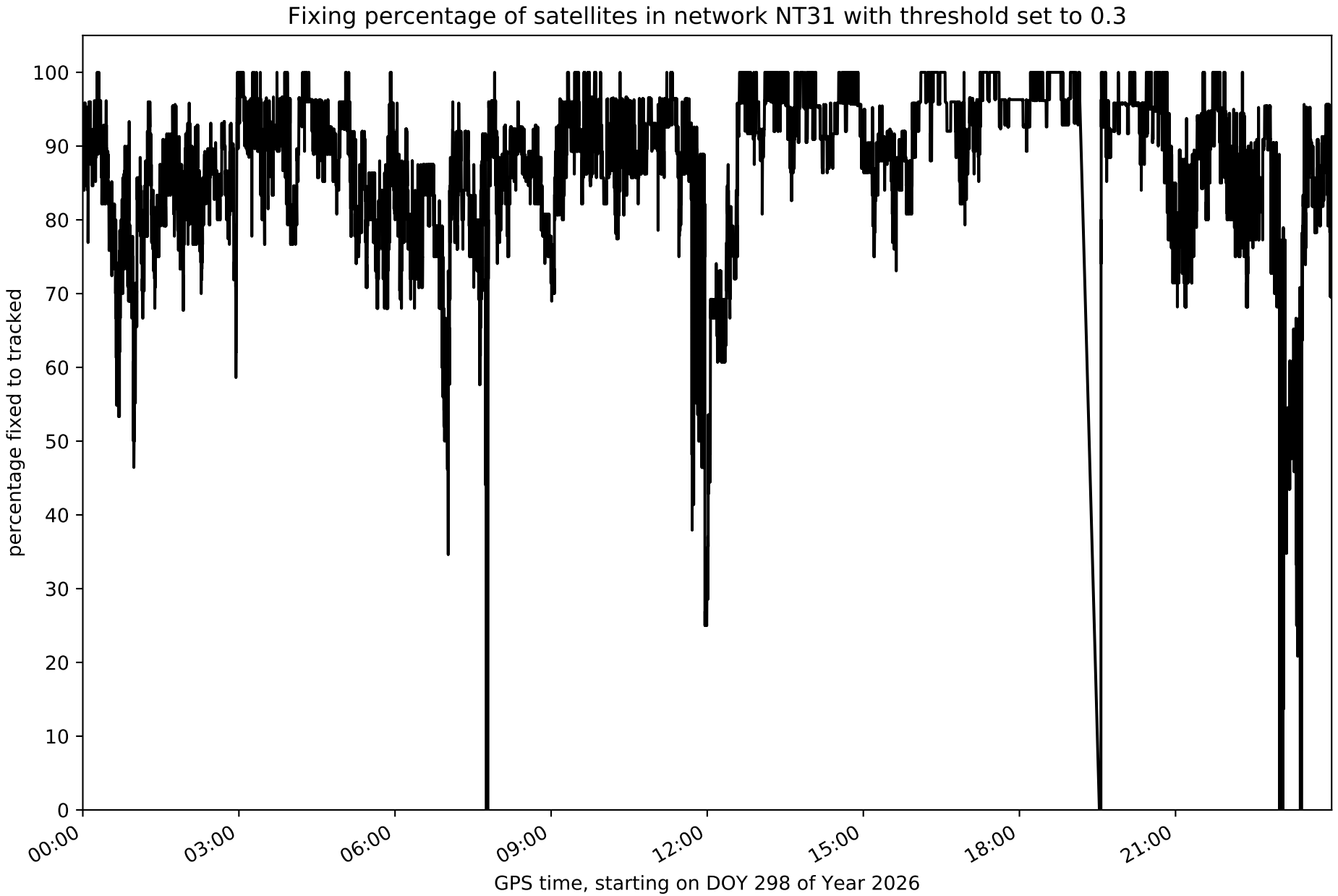
station information:

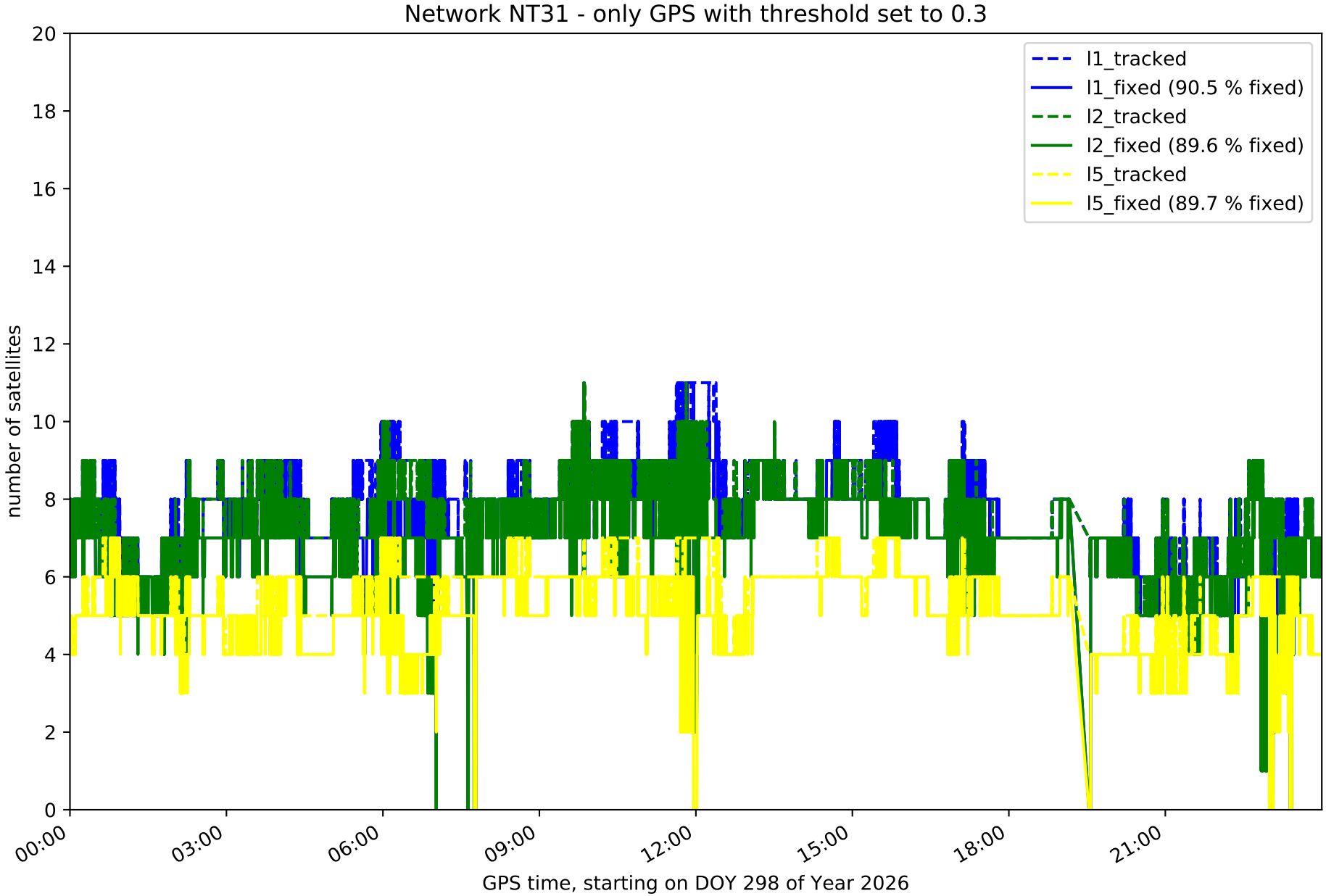
| | | | | |
|---|---|---|---|---|
| station FUER: | antenna: LEIAR20 | LEIM | receiver: LEICA GR50 | height: 76.887 |
| station LALA: | antenna: TRM59900.00 | SCIS | receiver: TRIMBLE NETR9 | height: 62.306 |
| station LZ01: | antenna: TRM159900.00 | SCIS | receiver: TRIMBLE NETR9 | height: 52.693 |
| station LZ02: | antenna: LEIAR20 | NONE | receiver: LEICA GR25 | height: 58.039 |
| station LZ03: | antenna: LEIAR20 | NONE | receiver: LEICA GR50 | height: 314.762 |
| station MASP: | antenna: TRM159900.00 | SCIS | receiver: TRIMBLE NETR9 | height: 198.846 |
| station ULP2: | antenna: TRM59900.00 | SCIS | receiver: TRIMBLE ALLOY | height: 375.129 |

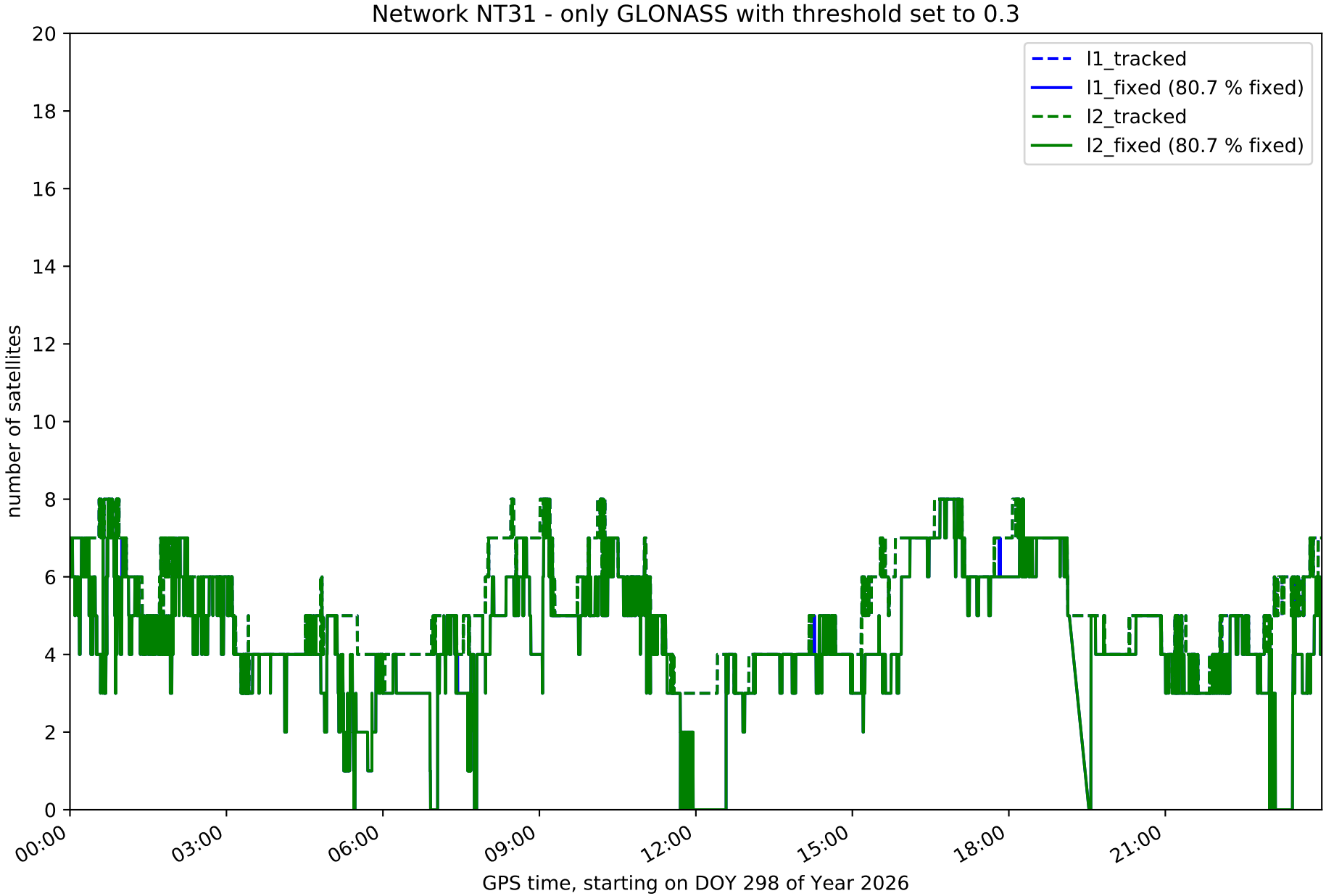

Processing rate in network NT31
time difference to next processed epoch [s]
0
2
4
6
8
10
12
14
16
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 298 of Year 2026

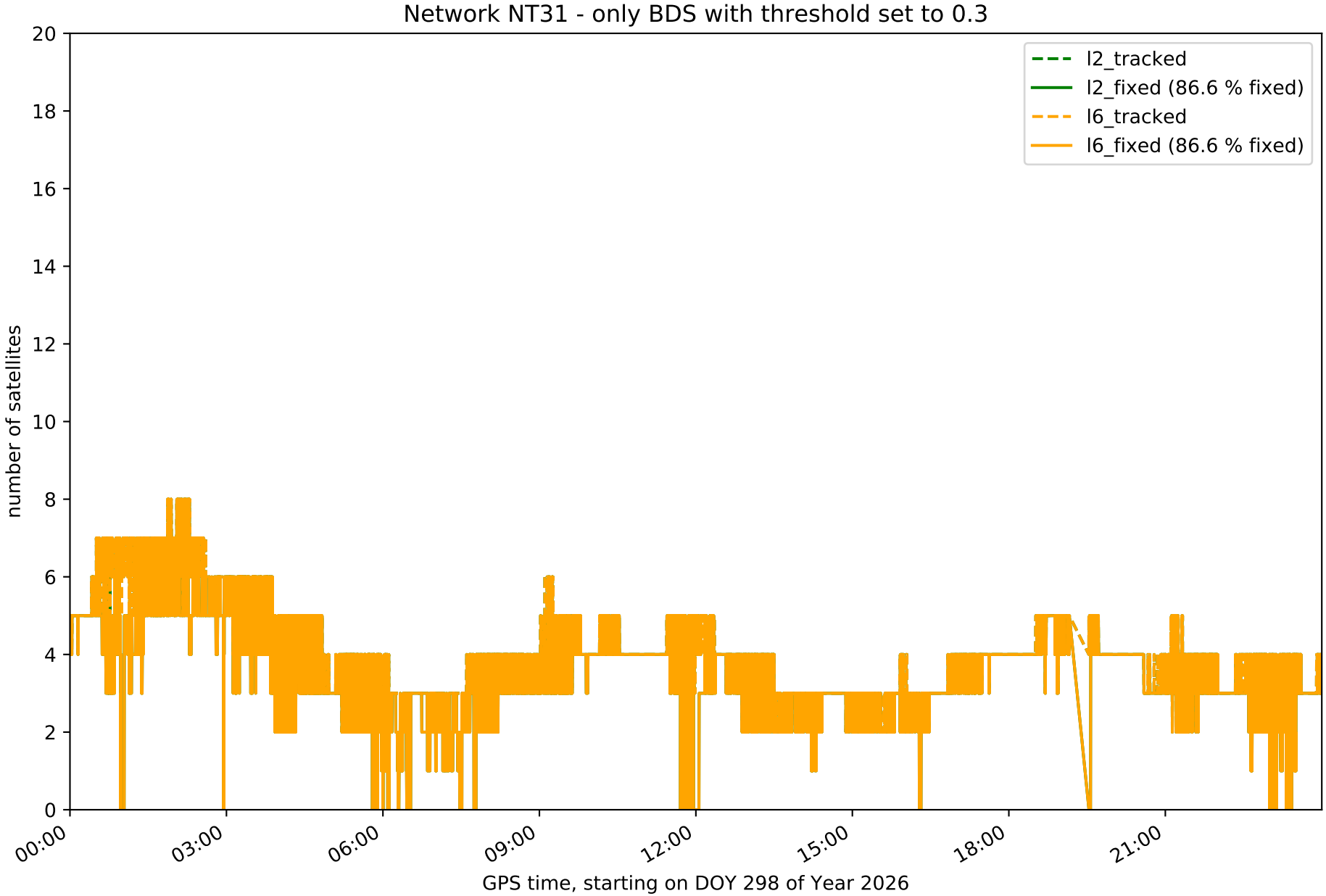

Histogram of the processing rate in network NT31 (durations larger 15 seconds neglected)
number of epochs
70000
60000
50000
40000
30000
20000
10000
0
1
2
3
time difference to next processed epoch [s]

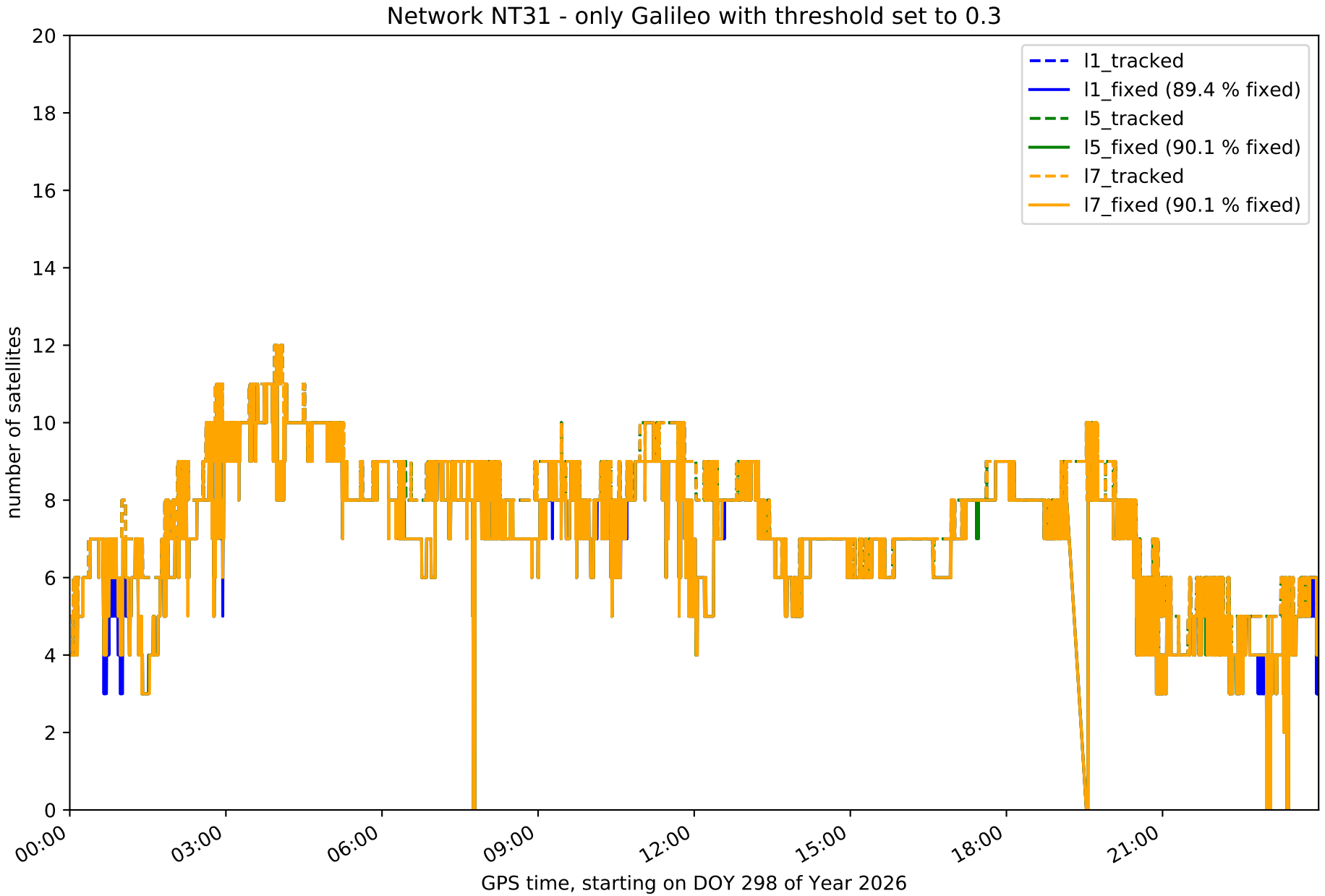

Network NT31 with threshold set to 0.3
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
40
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 298 of Year 2026

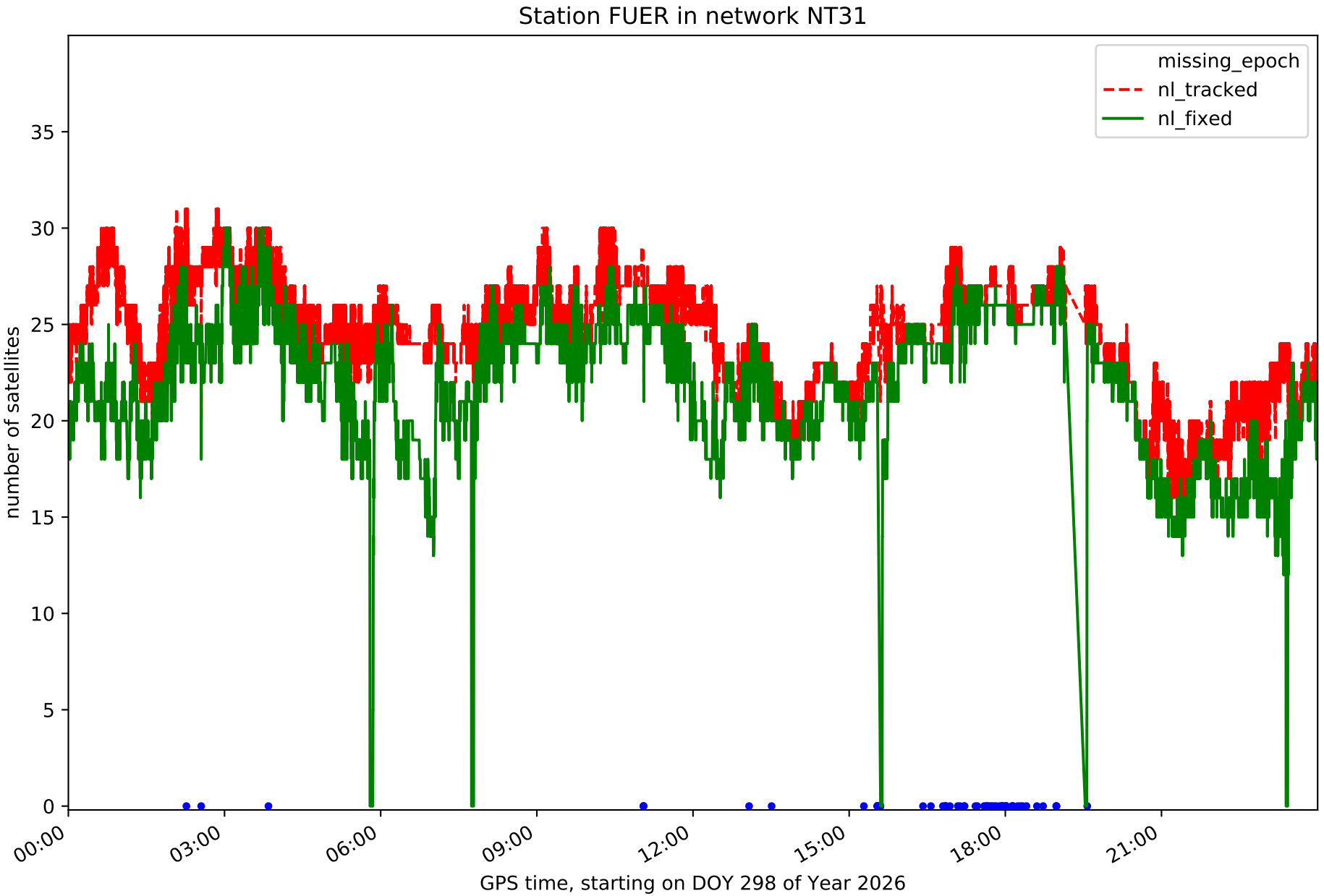

Fixing percentage of satellites in network NT31 with threshold set to 0.3
percentage fixed to tracked
100
90
80
70
60
50
40
30
20
10
0
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 298 of Year 2026

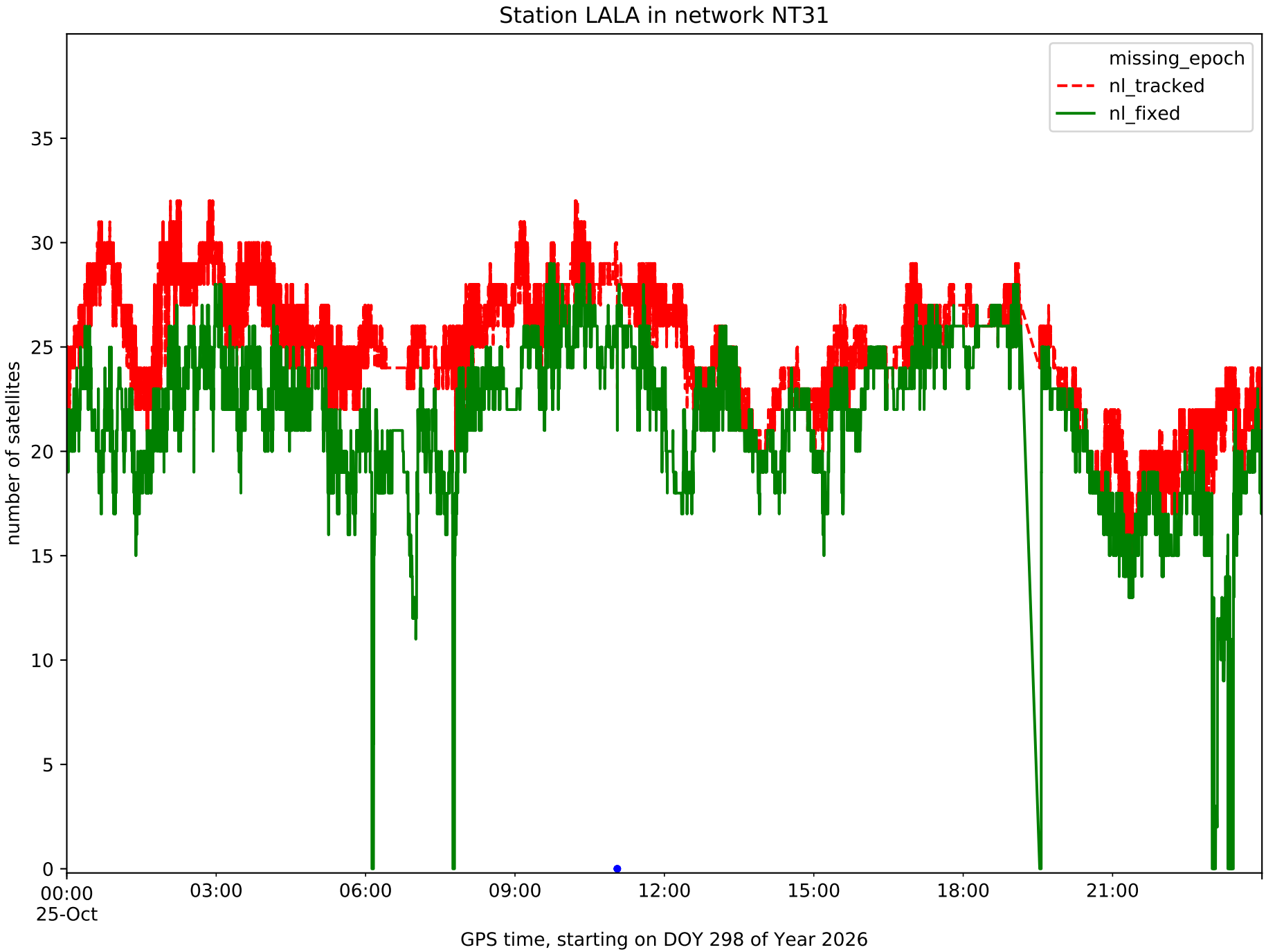

Network NT31 - only GPS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 298 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
l1_tracked
l1_fixed (90.5 % fixed)
l2_tracked
l2_fixed (89.6 % fixed)
l5_tracked
l5_fixed (89.7 % fixed)

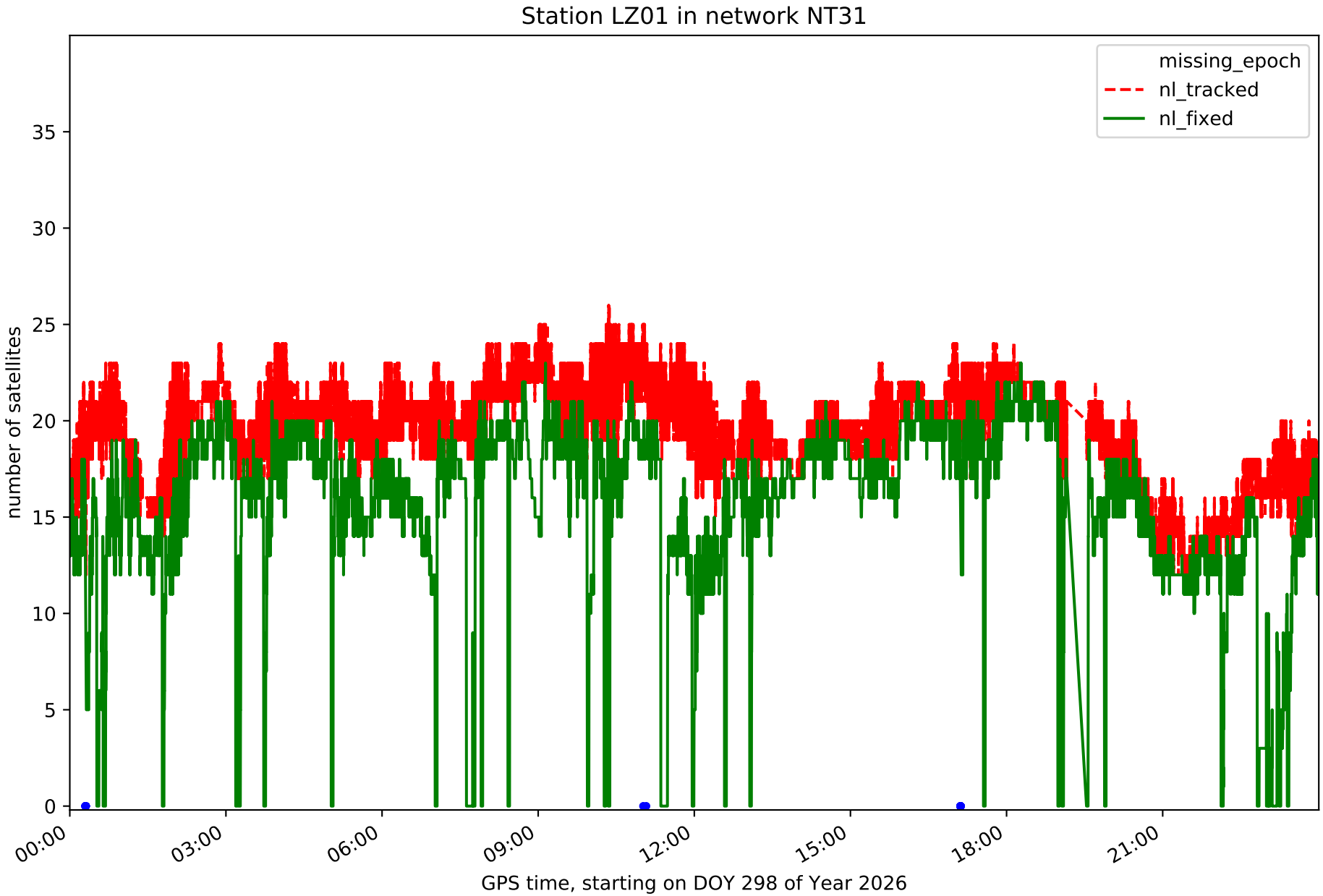

Network NT31 - only GLONASS with threshold set to 0.3
l1_tracked
l1_fixed (80.7 % fixed)
l2_tracked
l2_fixed (80.7 % fixed)
number of satellites
0
2
4
6
8
10
12
14
16
18
20
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 298 of Year 2026

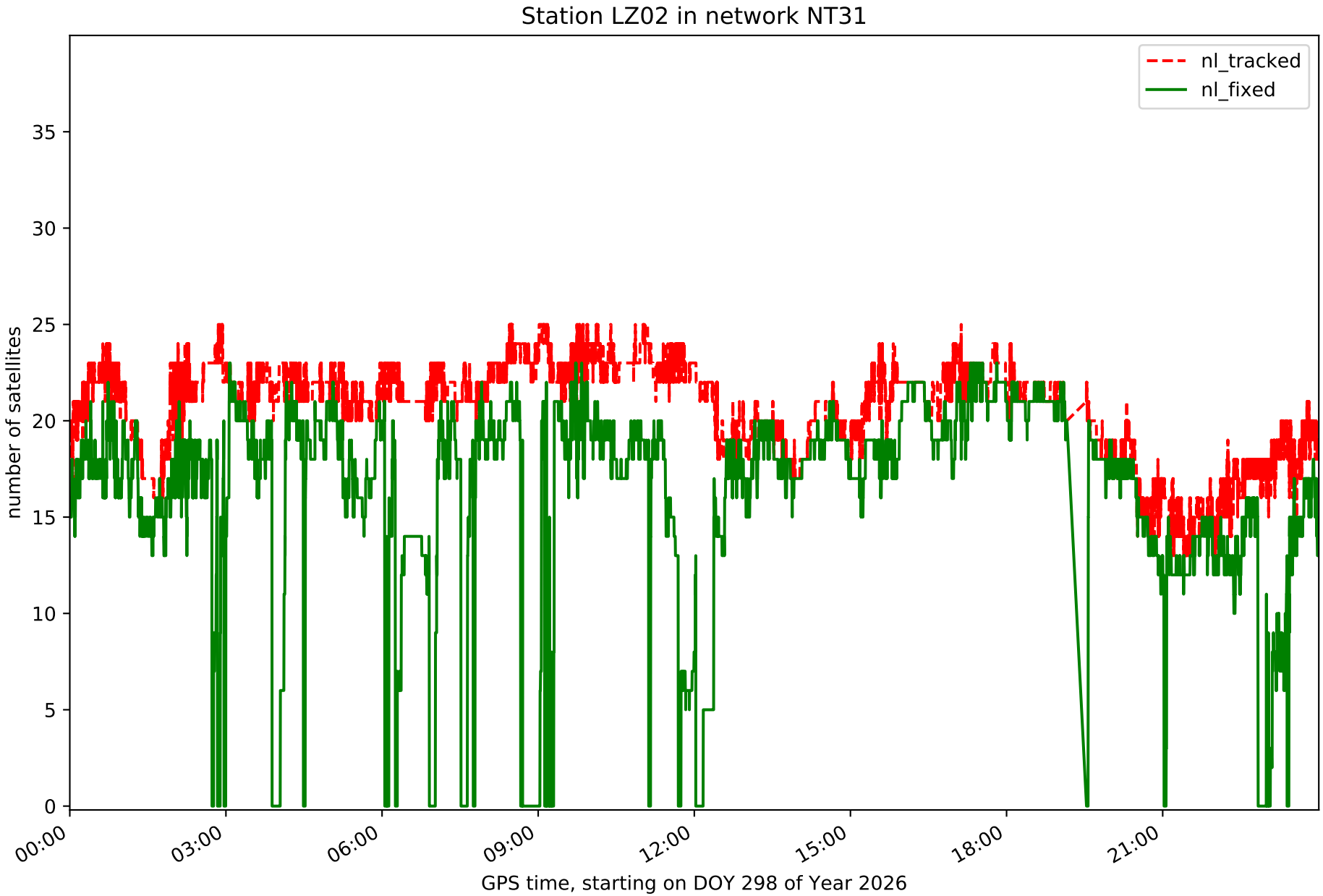

Network NT31 - only BDS with threshold set to 0.3
l2_tracked
l2_fixed (86.6 % fixed)
l6_tracked
l6_fixed (86.6 % fixed)
number of satellites
0
2
4
6
8
10
12
14
16
18
20
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 298 of Year 2026

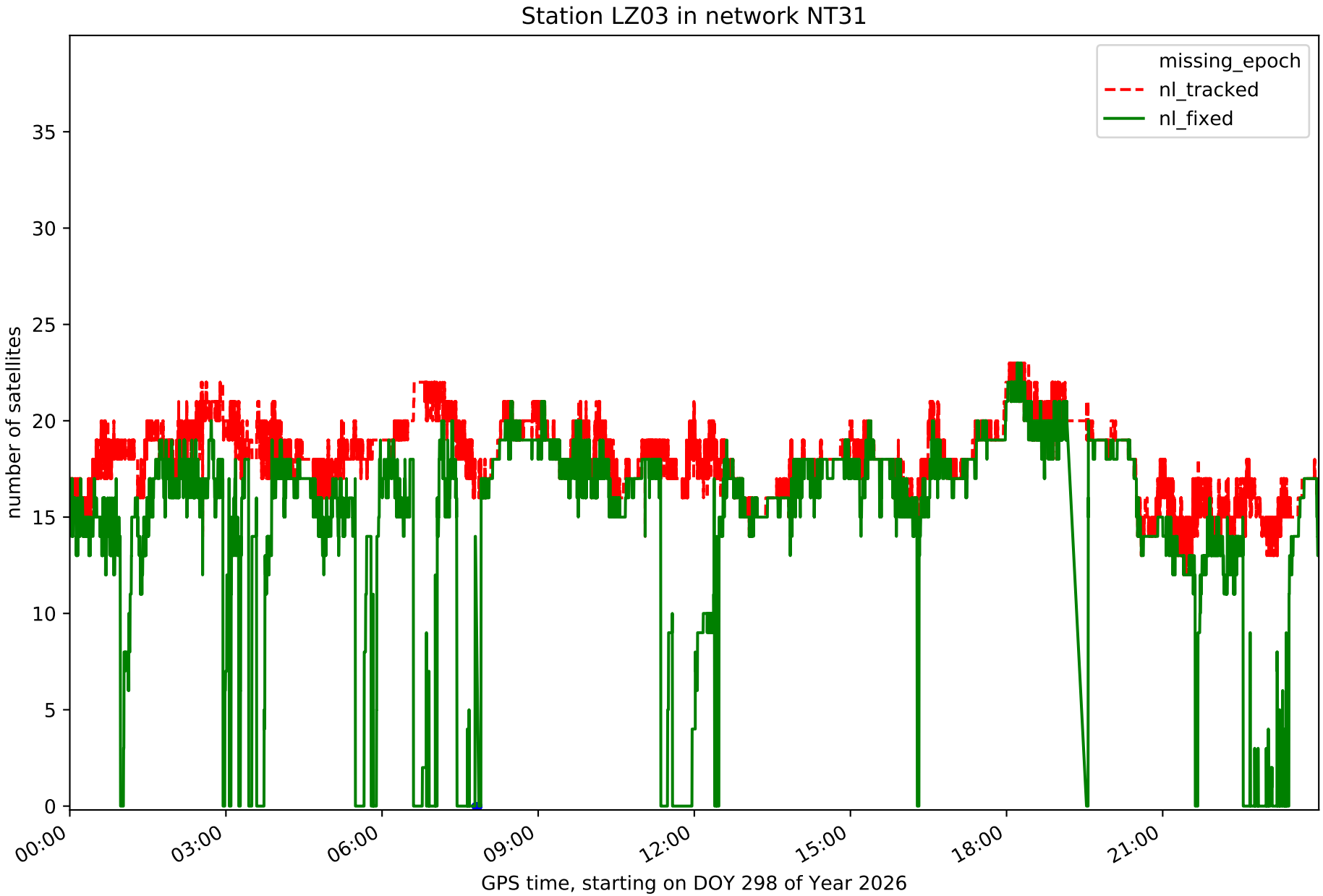

Network NT31 - only Galileo with threshold set to 0.3
number of satellites
GPS time, starting on DOY 298 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
l1_tracked
l1_fixed (89.4 % fixed)
l5_tracked
l5_fixed (90.1 % fixed)
l7_tracked
l7_fixed (90.1 % fixed)

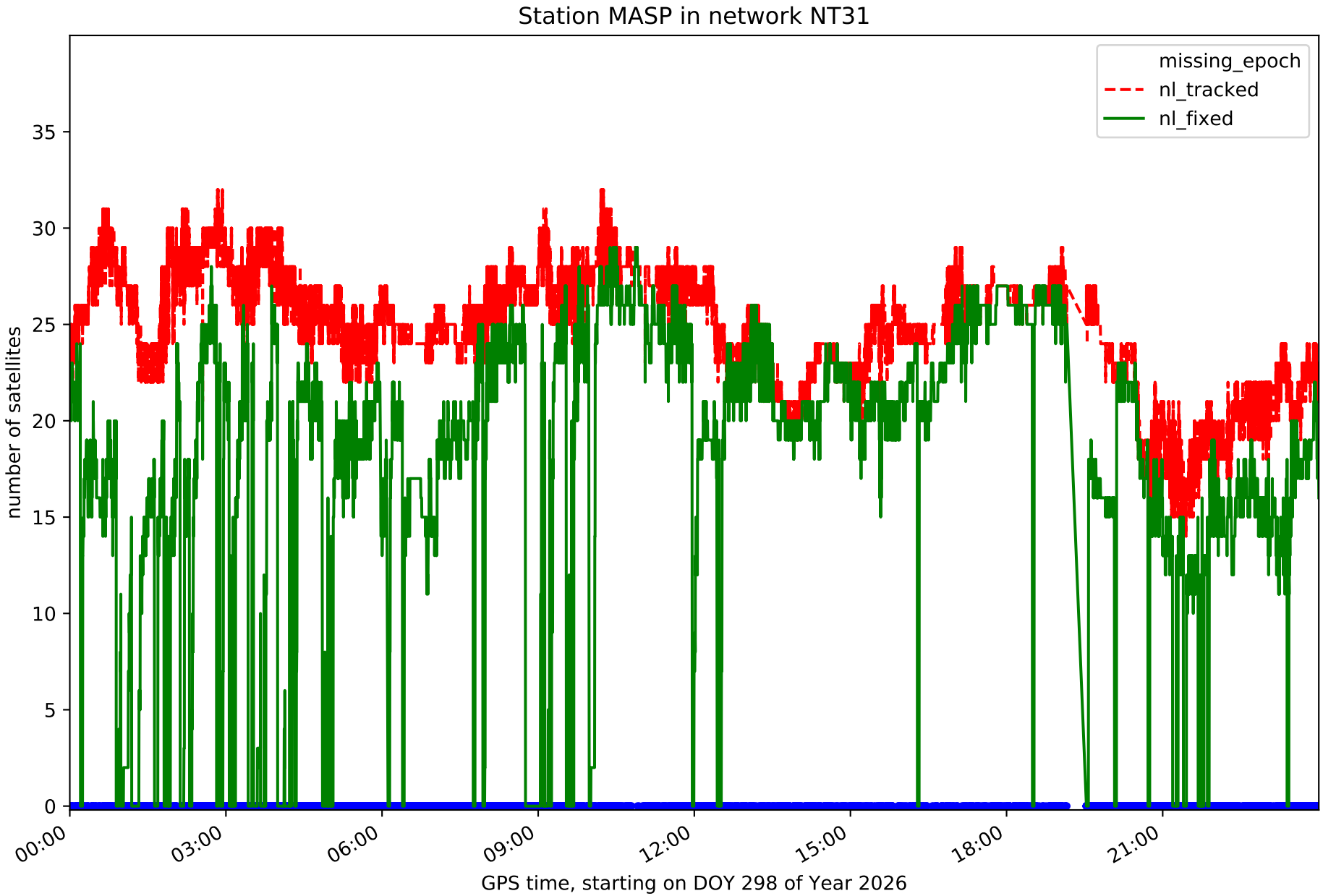

Station FUER in network NT31
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 298 of Year 2026

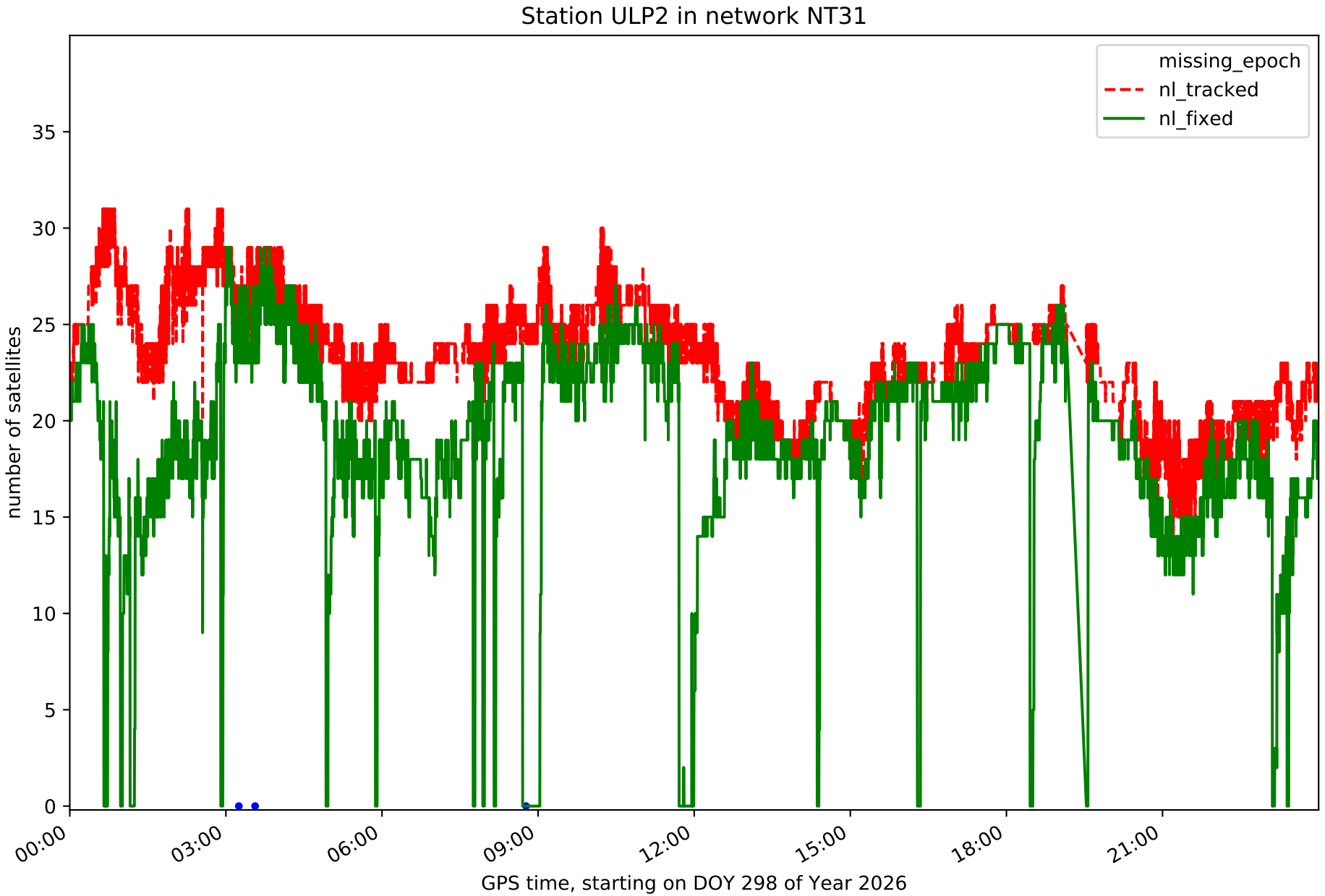

Station LALA in network NT31
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
25-Oct
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 298 of Year 2026

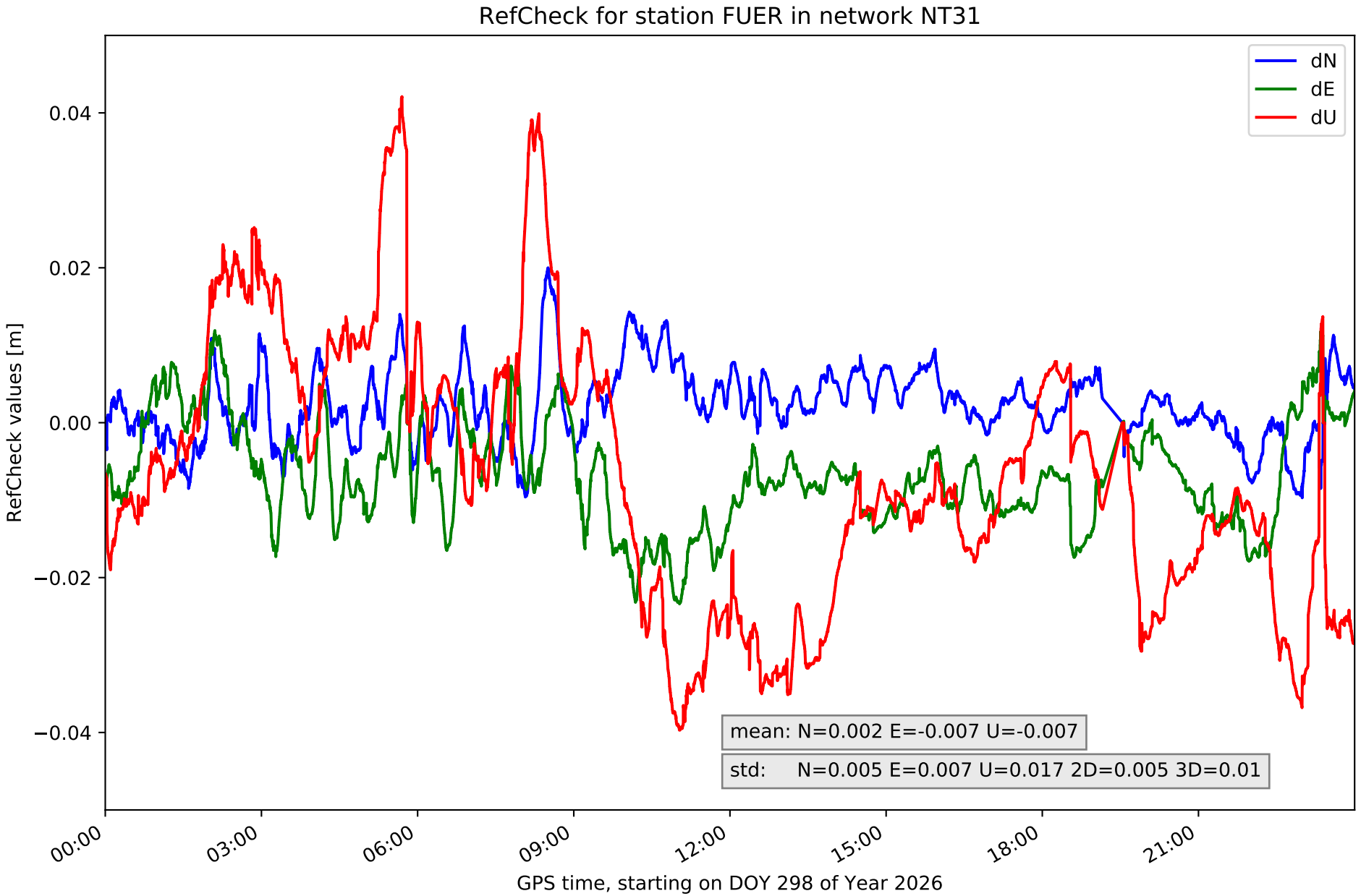

Station LZ01 in network NT31
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 298 of Year 2026

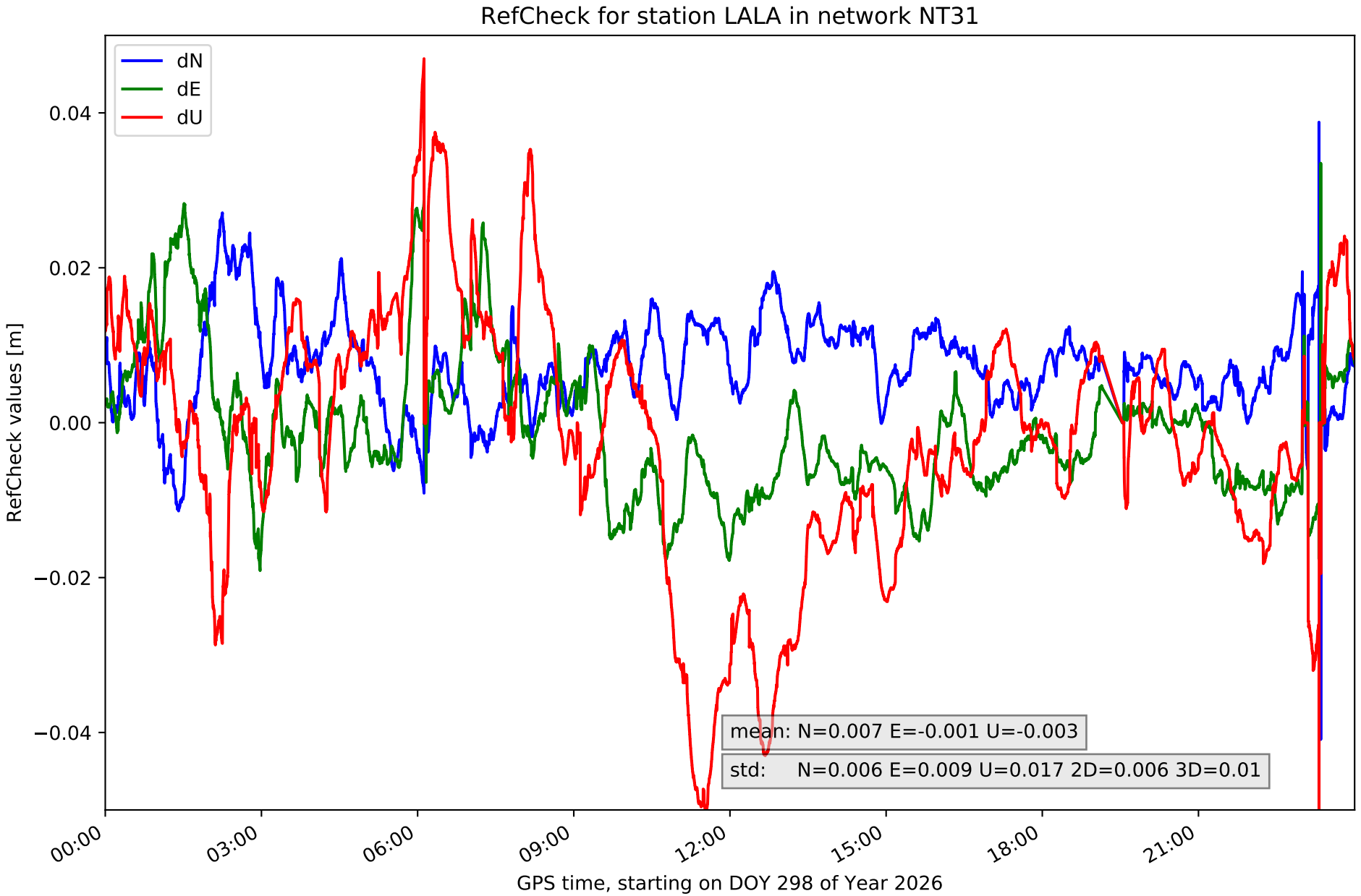

Station LZ02 in network NT31
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 298 of Year 2026

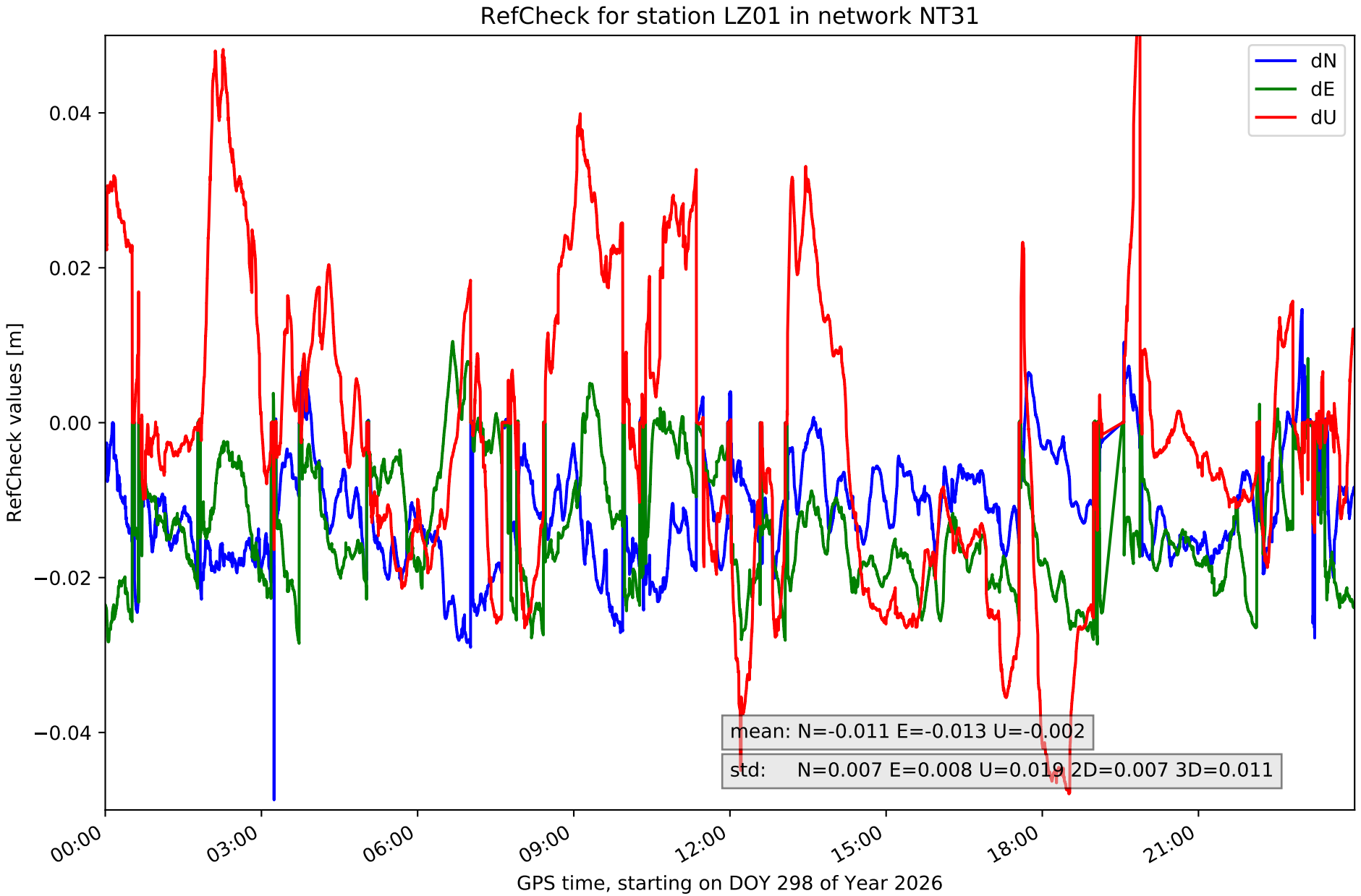

Station LZ03 in network NT31
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 298 of Year 2026

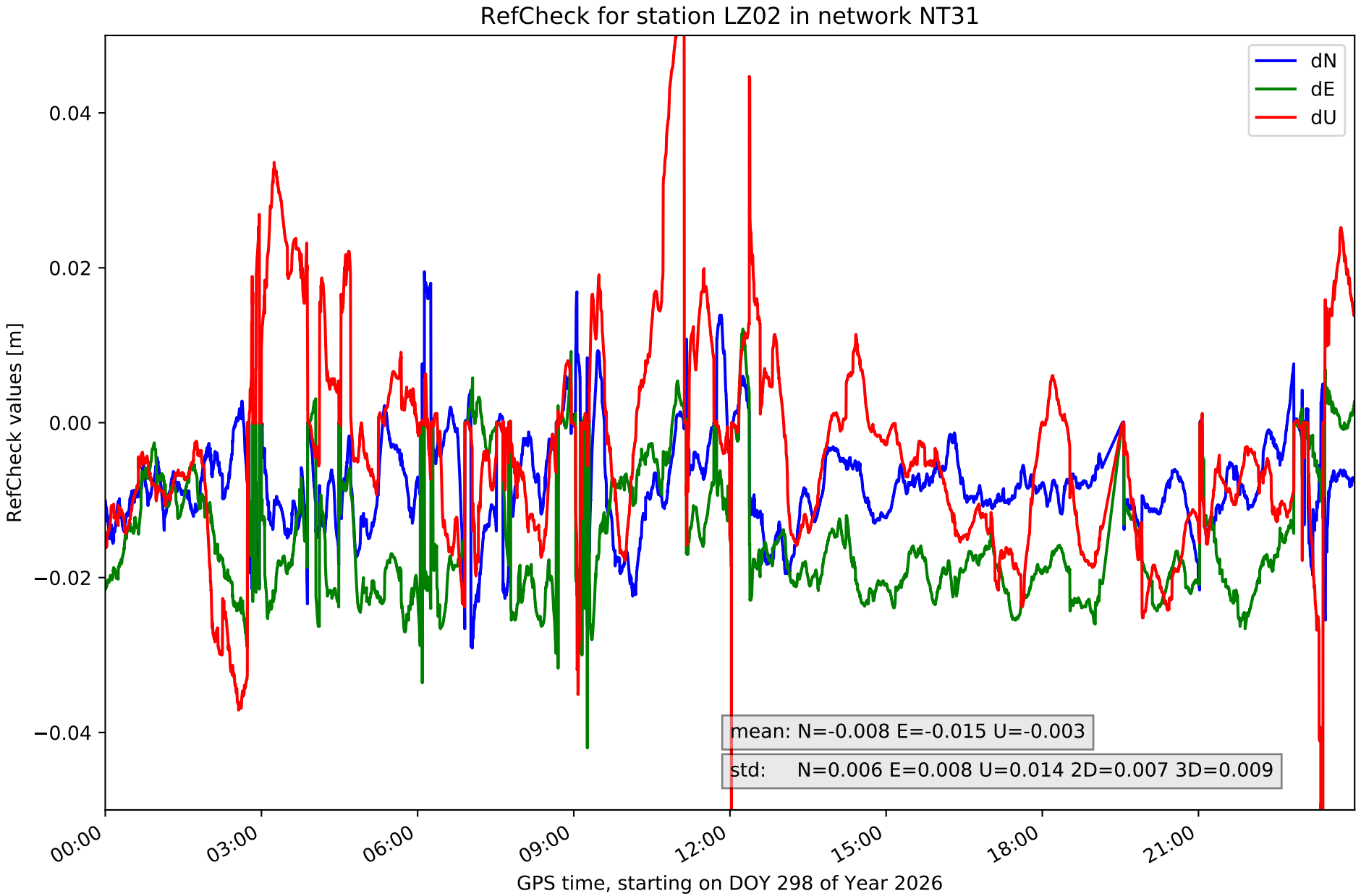

Station MASP in network NT31
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 298 of Year 2026

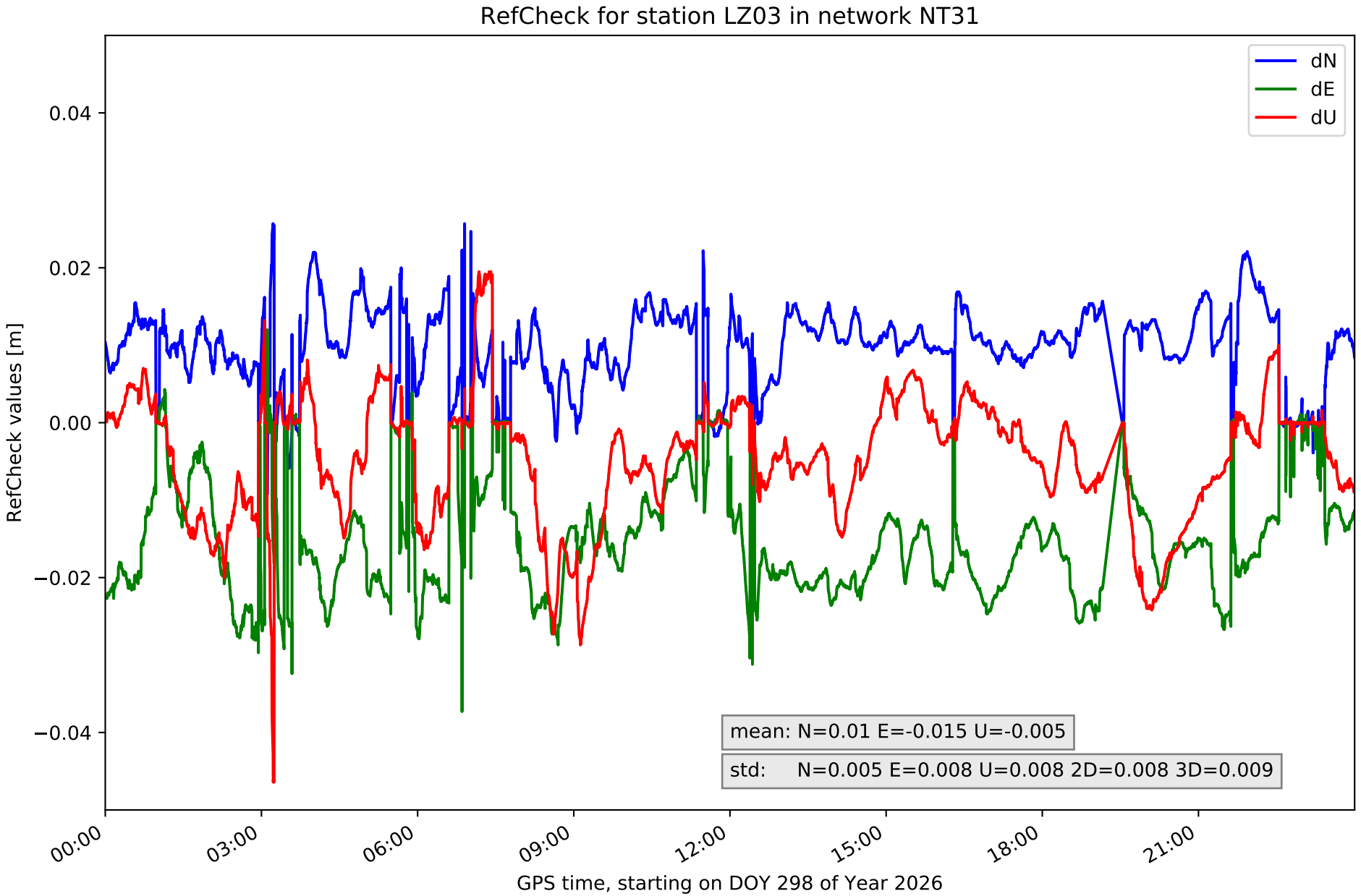

Station ULP2 in network NT31
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 298 of Year 2026

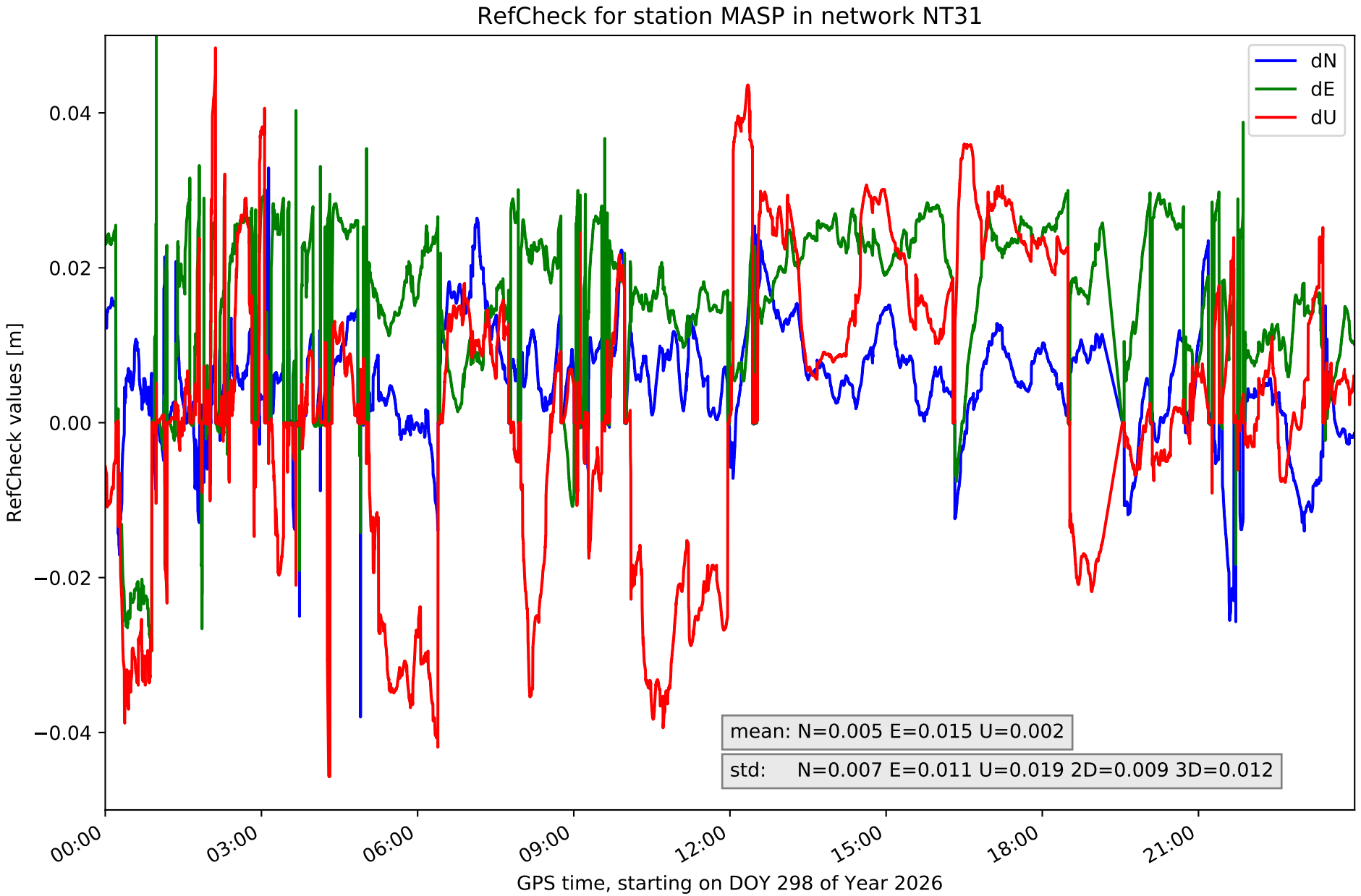

RefCheck for station FUER in network NT31
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=-0.007 U=-0.007
std: N=0.005 E=0.007 U=0.017 2D=0.005 3D=0.01
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 298 of Year 2026

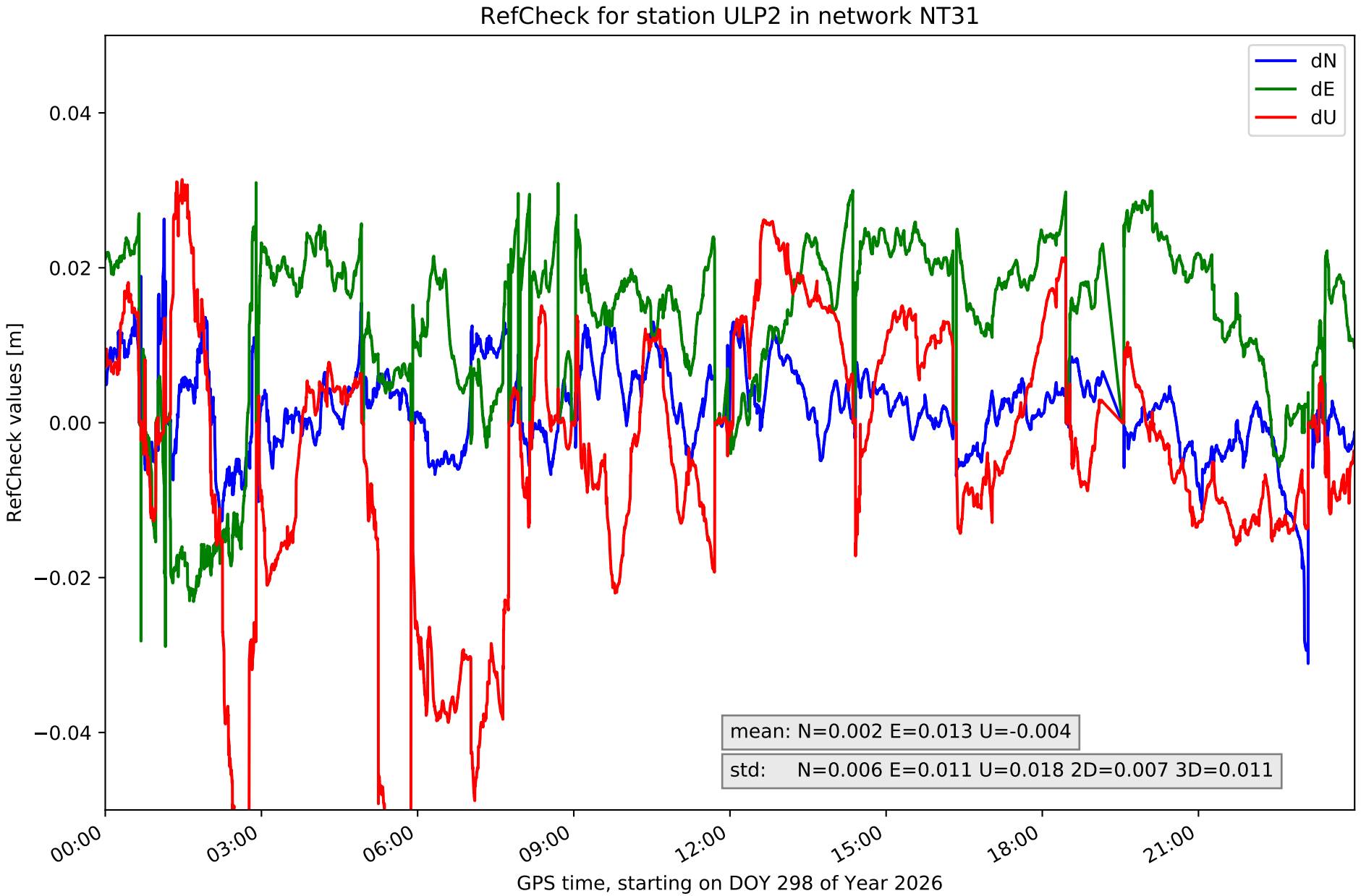

RefCheck for station LALA in network NT31
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.007 E=-0.001 U=-0.003
std: N=0.006 E=0.009 U=0.017 2D=0.006 3D=0.01
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 298 of Year 2026


RefCheck for station LZ01 in network NT31
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.011 E=-0.013 U=-0.002
std: N=0.007 E=0.008 U=0.019 2D=0.007 3D=0.011
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 298 of Year 2026


RefCheck for station LZ02 in network NT31
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.008 E=-0.015 U=-0.003
std: N=0.006 E=0.008 U=0.014 2D=0.007 3D=0.009
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 298 of Year 2026


RefCheck for station LZ03 in network NT31
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.01 E=-0.015 U=-0.005
std: N=0.005 E=0.008 U=0.008 2D=0.008 3D=0.009
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 298 of Year 2026


RefCheck for station MASP in network NT31
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.005 E=0.015 U=0.002
std: N=0.007 E=0.011 U=0.019 2D=0.009 3D=0.012
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 298 of Year 2026


RefCheck for station ULP2 in network NT31
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=0.013 U=-0.004
std: N=0.006 E=0.011 U=0.018 2D=0.007 3D=0.011
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 298 of Year 2026

# RefCheck values for network NT31

| Station | Nmin | Nmax | Nstd | Emin | Emax | Estd | Umin | Umax | Ustd | std2D | std3D | #2D > 0.01 | % 2D > 0.01 | #3D > 0.02 | % 3D > 0.02 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FUER | -0.01 | 0.02 | 0.005 | -0.023 | 0.012 | 0.007 | -0.04 | 0.042 | 0.017 | 0.005 | 0.01 | 33662 | 42.5 | 31344 | 39.5 |
| LALA | -0.041 | **0.039** | 0.006 | -0.019 | 0.034 | 0.009 | **-0.087** | 0.047 | 0.017 | 0.006 | 0.01 | 43347 | 54.7 | 25533 | 32.2 |
| LZ01 | **-0.049** | 0.015 | **0.007** | -0.029 | 0.011 | 0.008 | -0.048 | **0.06** | **0.019** | 0.007 | 0.011 | **71178** | **89.8** | **62387** | **78.7** |
| LZ02 | -0.029 | 0.019 | 0.006 | **-0.042** | 0.012 | 0.008 | -0.061 | 0.058 | 0.014 | 0.007 | 0.009 | 67958 | 85.7 | 53328 | 67.3 |
| LZ03 | -0.009 | 0.026 | 0.005 | -0.037 | 0.012 | 0.008 | -0.046 | 0.019 | 0.008 | 0.008 | 0.009 | 68856 | 86.9 | 49146 | 62.0 |
| MASP | -0.038 | 0.033 | **0.007** | -0.029 | **0.06** | **0.011** | -0.046 | 0.048 | **0.019** | **0.009** | **0.012** | 64610 | 81.5 | 57624 | 72.7 |
| ULP2 | -0.031 | 0.026 | 0.006 | -0.029 | 0.031 | **0.011** | -0.06 | 0.031 | 0.018 | 0.007 | 0.011 | 64600 | 81.5 | 49303 | 62.2 |
| **Mean** | **-0.03** | **0.025** | **0.006** | **-0.03** | **0.025** | **0.009** | **-0.055** | **0.044** | **0.016** | **0.007** | **0.01** | **59173.0** | **74.7** | **46952.1** | **59.2** |
| **Min/Max** | **-0.049** | **0.039** | **0.007** | **-0.042** | **0.06** | **0.011** | **-0.087** | **0.06** | **0.019** | **0.009** | **0.012** | **71178** | **89.8** | **62387** | **78.7** |

# fixing statistic for network NT31

| fixing percentage of | all GNSS | G | R | E | C |
|---|---|---|---|---|---|
| using threshold 0.3 | 87.5 | 90.5 | 80.7 | 89.4 | 86.5 |
| considering satellites with dual-frequency fixed | 79.8 | 82.0 | 72.5 | 81.9 | 81.7 |
| considering all signals separately | 80.7 | 82.3 | 72.5 | 82.7 | 81.7 |