# summary for network N01T

timeperiod chosen: from 2026-11-05-00:00:00 until 2026-11-05-23:59:59

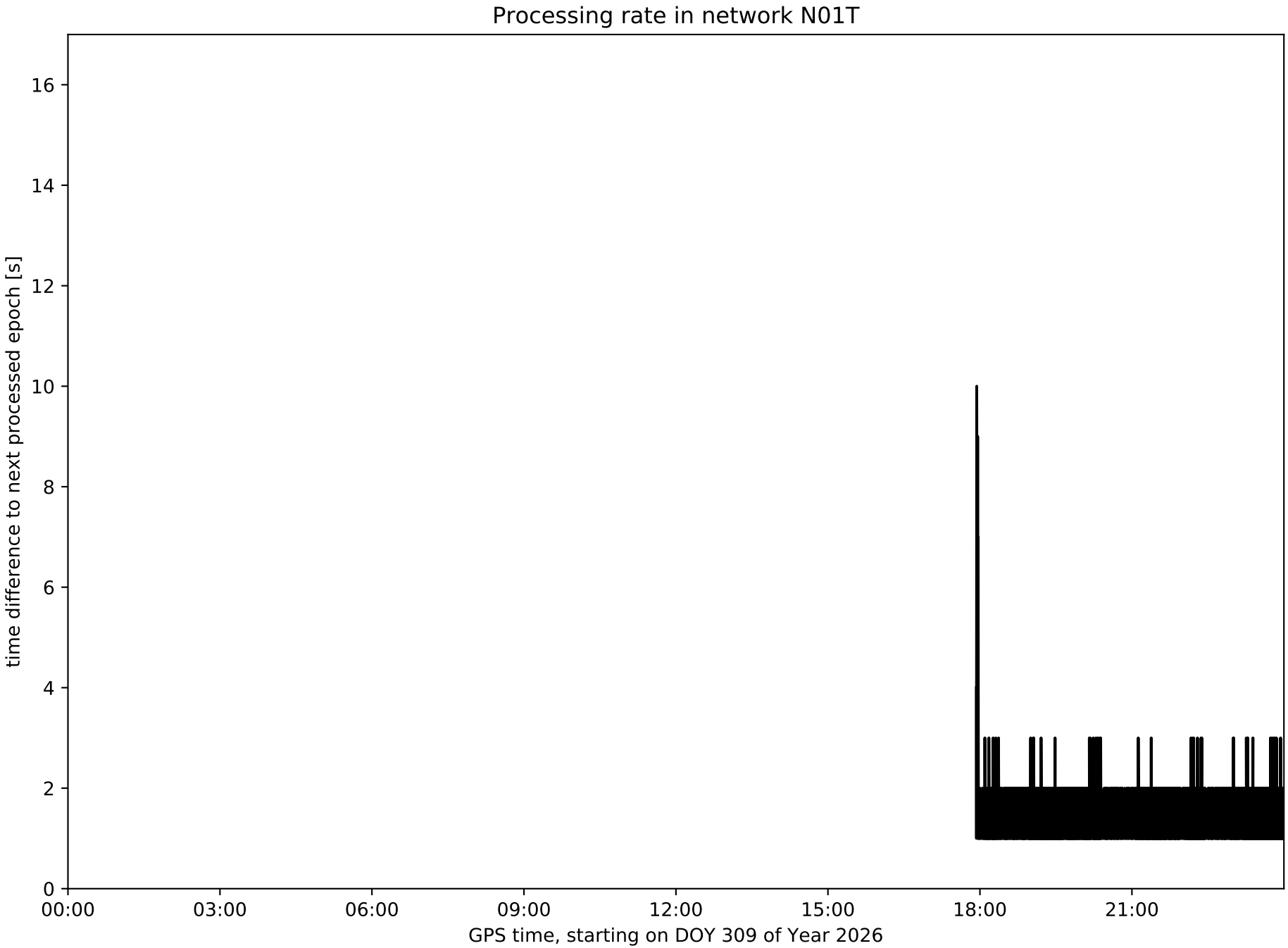
average update rate (durations larger than 15 seconds considered as observation gap): 1.2 seconds

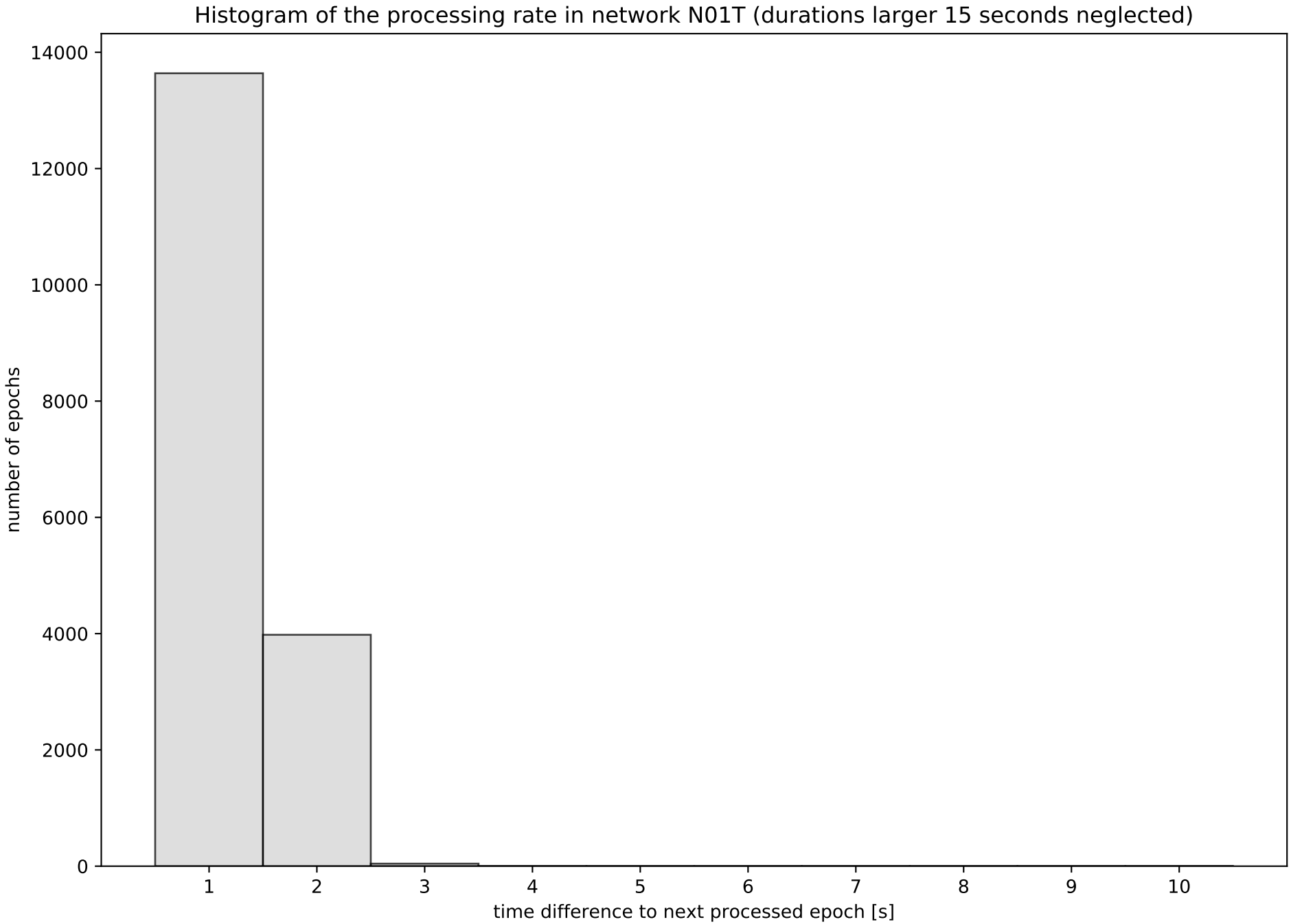
average fixing percentage with threshold set to 0.3: 94.6 percent

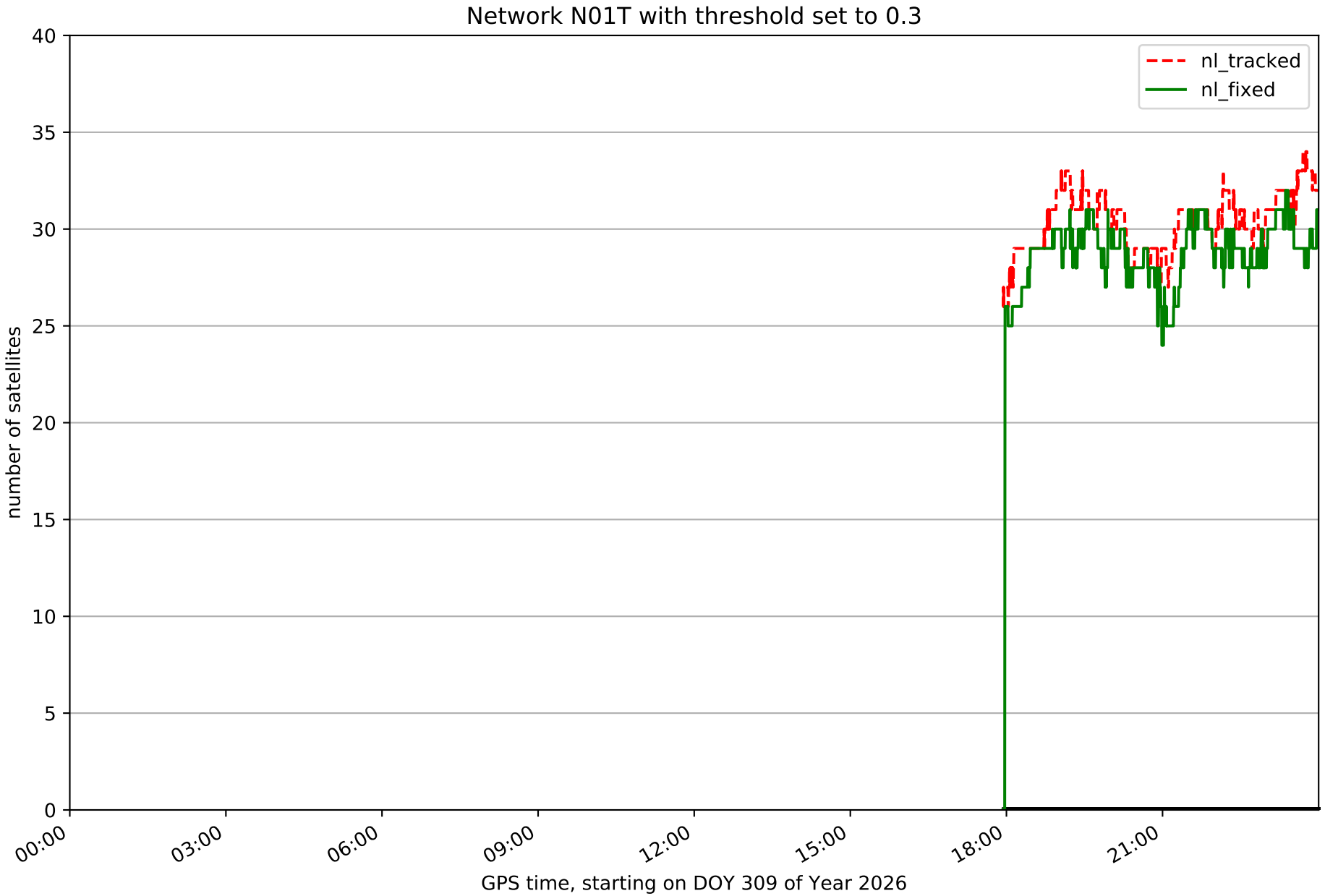
stations available: 19 of 20

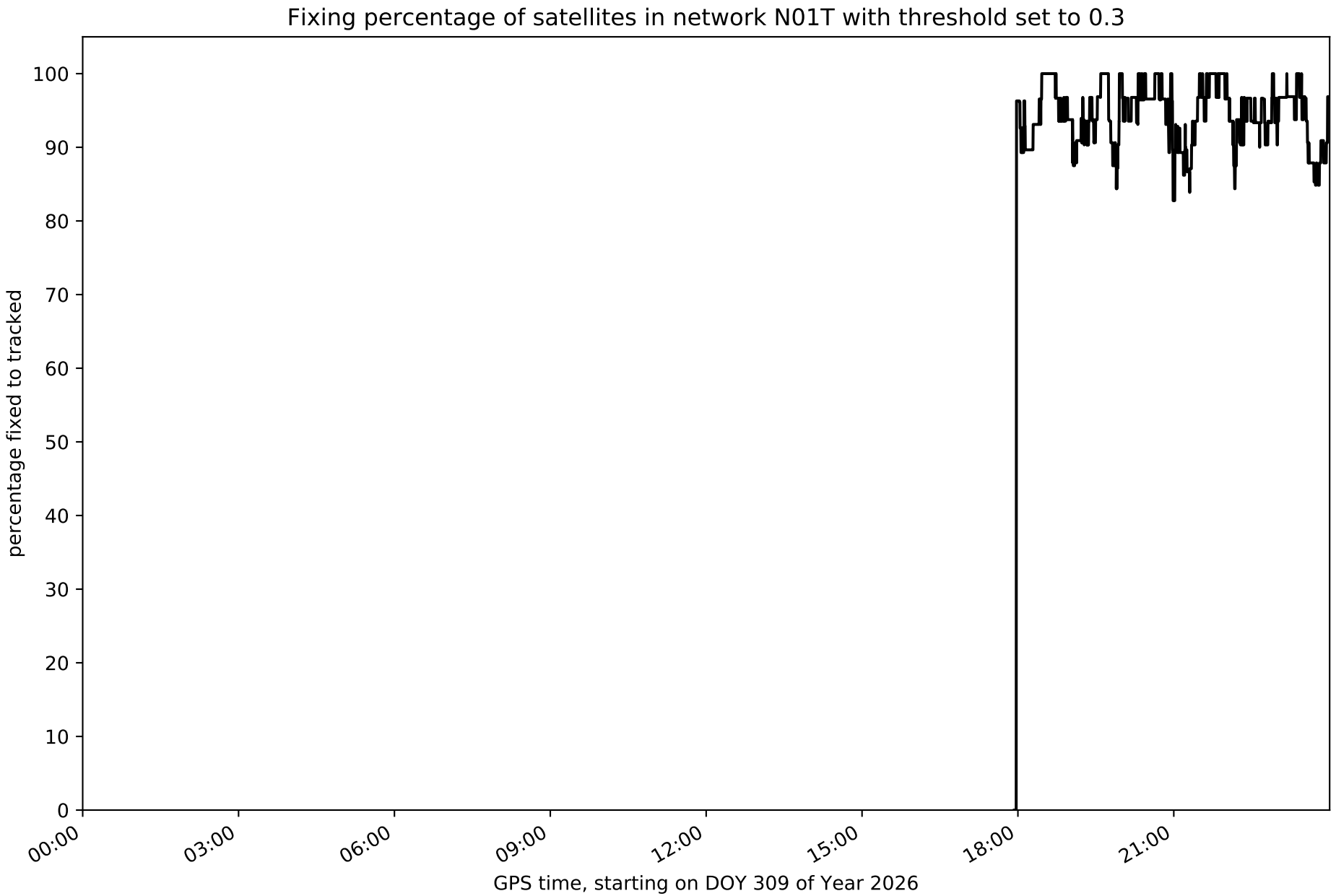
station information:

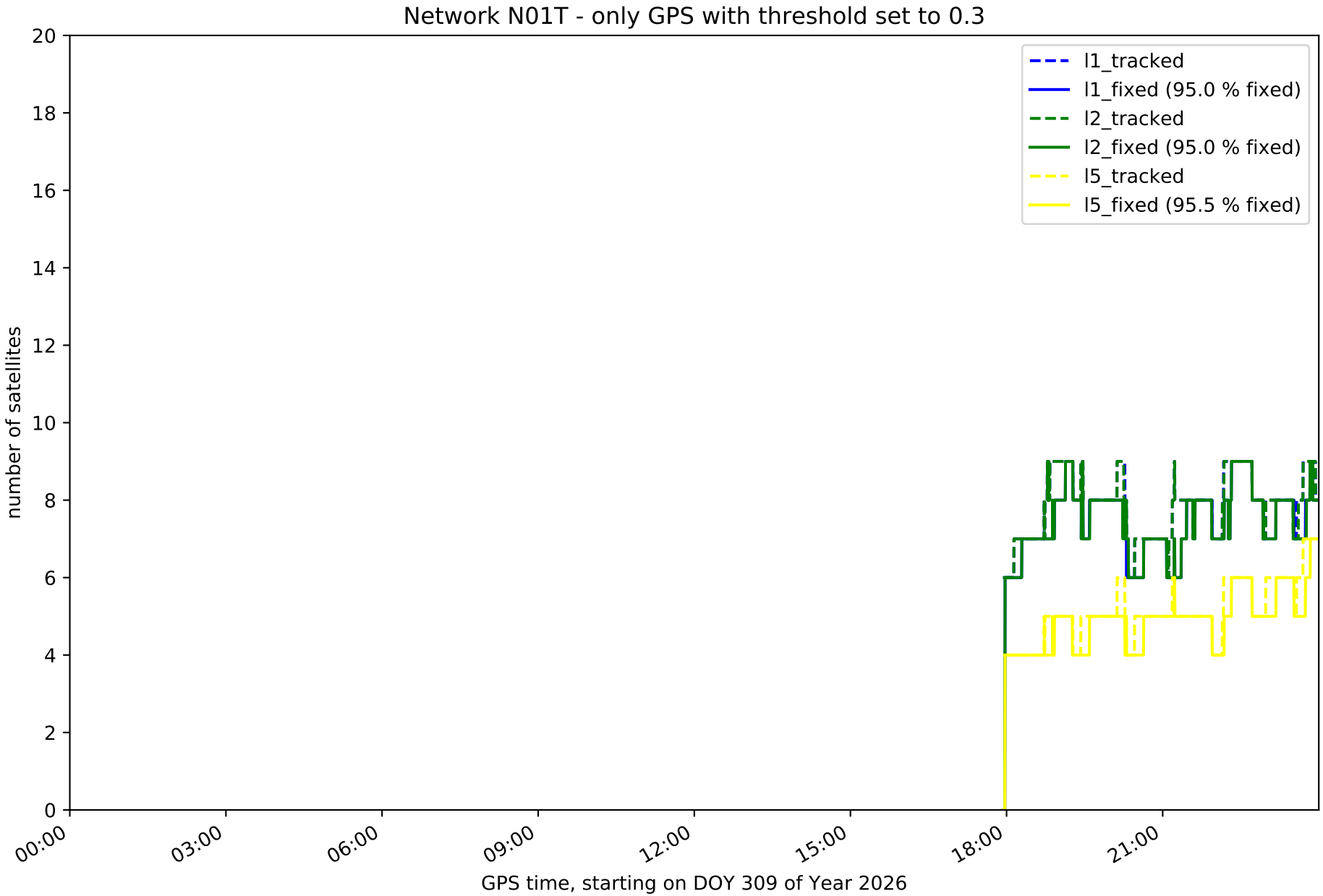
| | | | |
|---|---|---|---|
| station ALMZ: | antenna: LEIAR20 LEIM | receiver: LEICA GR50 | height: 1019.454 |
| station ARAJ: | antenna: LEIAR20 LEIM | receiver: LEICA GR50 | height: 580.917 |
| station ARSP: | antenna: GPPNULLANTENNA NONE | receiver: LEICA GR50 | height: 638.139 |
| station AVI2: | antenna: TRM59900.00 SCIS | receiver: TRIMBLE NETR9 | height: 1206.511 |
| station BUIT: | antenna: SEPCHOKE_B3E6 SPKE | receiver: SEPT POLARX5 | height: 1032.704 |
| station GMSR: | antenna: GPPNULLANTENNA NONE | receiver: TRIMBLE R750 | height: 864.047 |
| station IGNE: | antenna: LEIAT504GG LEIS | receiver: LEICA GR50 | height: 766.956 |
| station LABG: | antenna: LEIAR20 LEIM | receiver: LEICA GR50 | height: 763.865 |
| station LAB1: | antenna: LEIAR20 LEIM | receiver: LEICA GR50 | height: 763.865 |
| station OLM1: | antenna: TRM59900.00 SCIS | receiver: TRIMBLE NETR9 | height: 829.126 |
| station ORUS: | antenna: TRM57971.00 TZGD | receiver: TRIMBLE NETR9 | height: 862.752 |
| station MAD1: | antenna: LEIAR20 LEIM | receiver: LEICA GR50 | height: 724.477 |
| station NVDA: | antenna: GPPNULLANTENNA NONE | receiver: TRIMBLE R750 | height: 933.477 |
| station PEN1: | antenna: GPPNULLANTENNA NONE | receiver: LEICA GR30 | height: 814.545 |
| station RIA1: | antenna: TRM59900.00 SCIS | receiver: TRIMBLE NETR9 | height: 1263.773 |
| station SGVA: | antenna: GPPNULLANTENNA NONE | receiver: LEICA GR50 | height: 1076.311 |
| station SMDV: | antenna: TPSCR.G3 TPSH | receiver: TPS NET-G5 | height: 670.78 |
| station TALV: | antenna: TPSCR.G5 TPSH | receiver: TPS NET-G5 | height: 458.345 |
| station YEB1: | antenna: LEIAR25 NONE | receiver: LEICA GR25 | height: 975.396 |

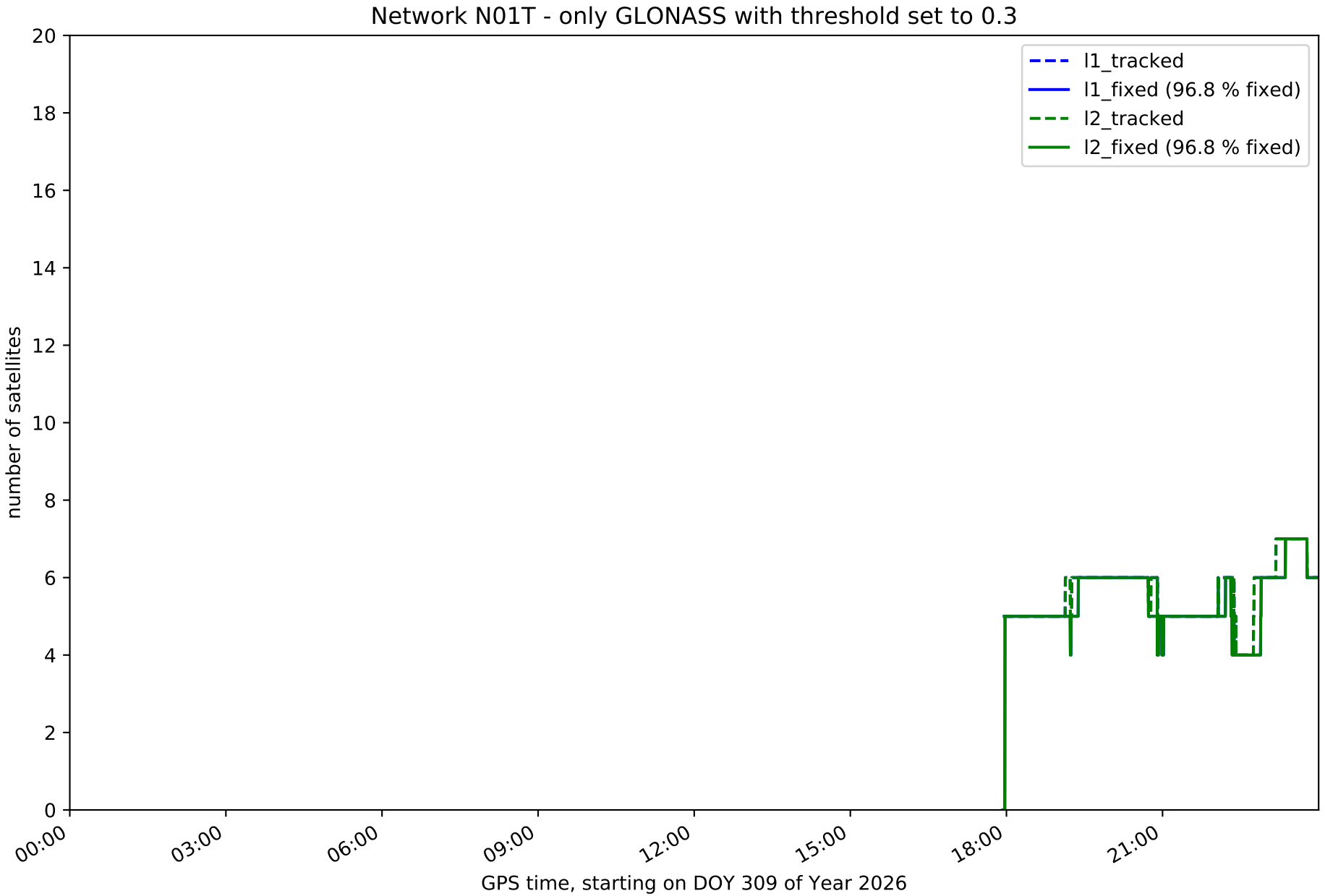

Processing rate in network N01T
time difference to next processed epoch [s]
0
2
4
6
8
10
12
14
16
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

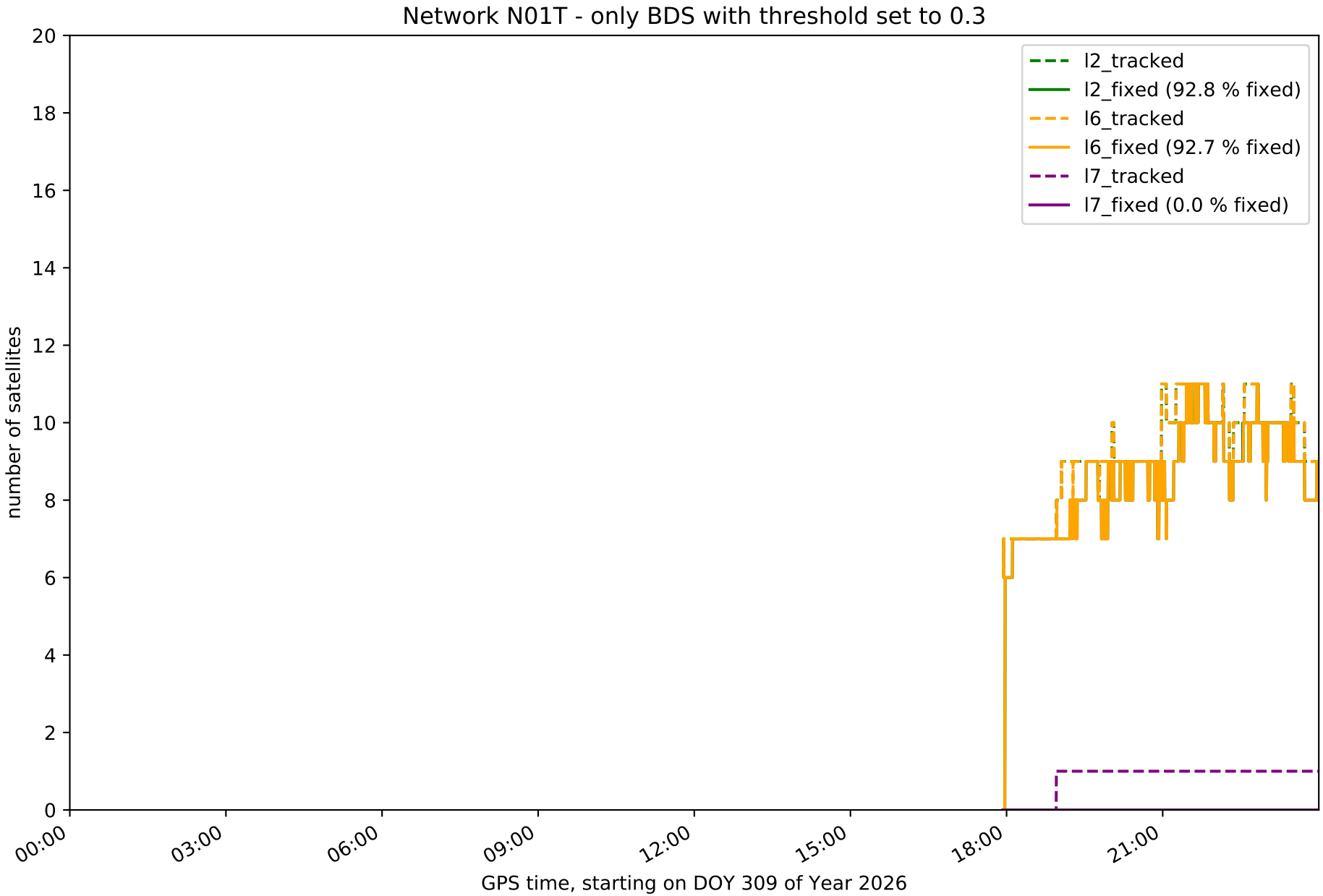

Histogram of the processing rate in network N01T (durations larger 15 seconds neglected)
number of epochs
0
2000
4000
6000
8000
10000
12000
14000
1
2
3
4
5
6
7
8
9
10
time difference to next processed epoch [s]

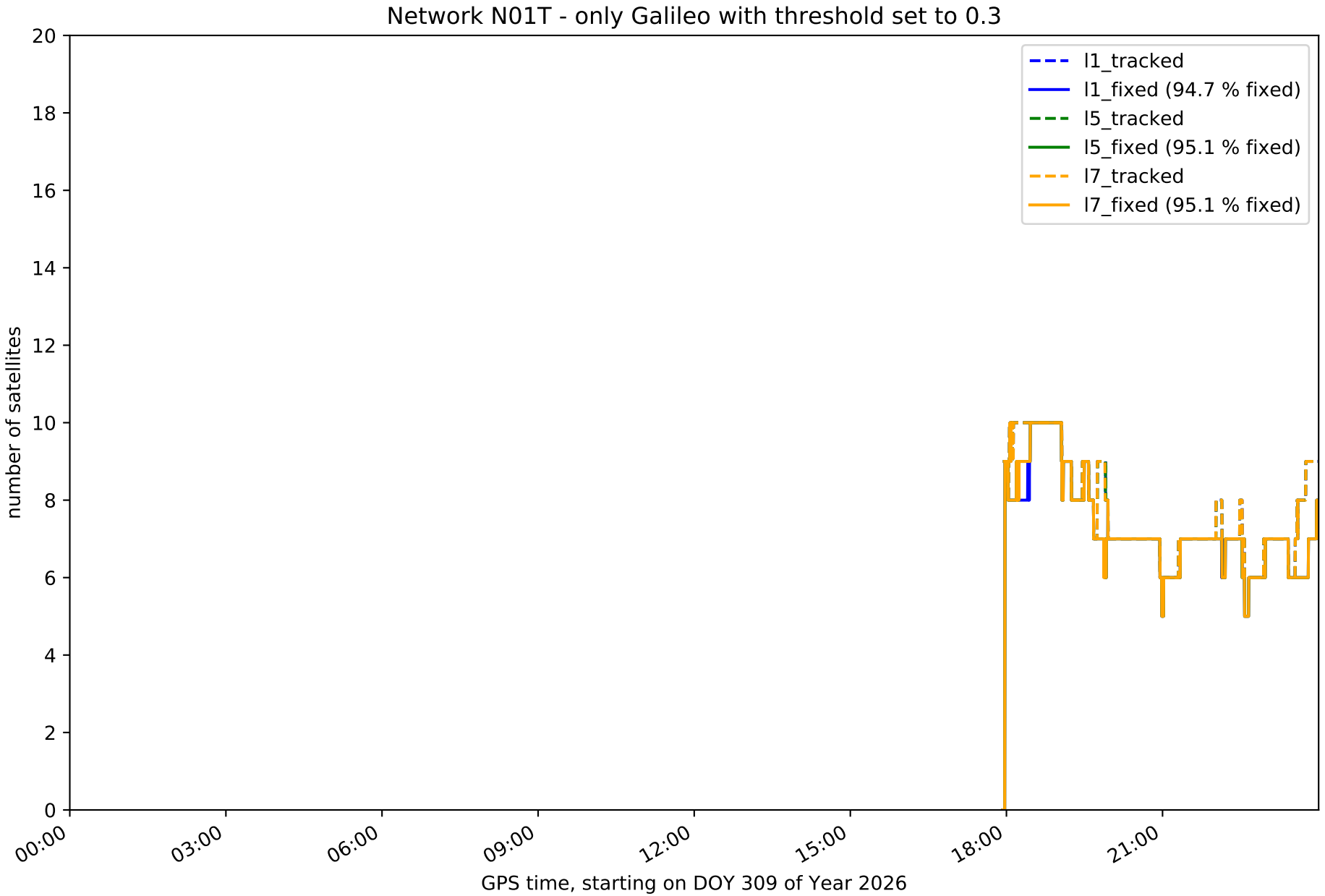

Network N01T with threshold set to 0.3
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
40
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

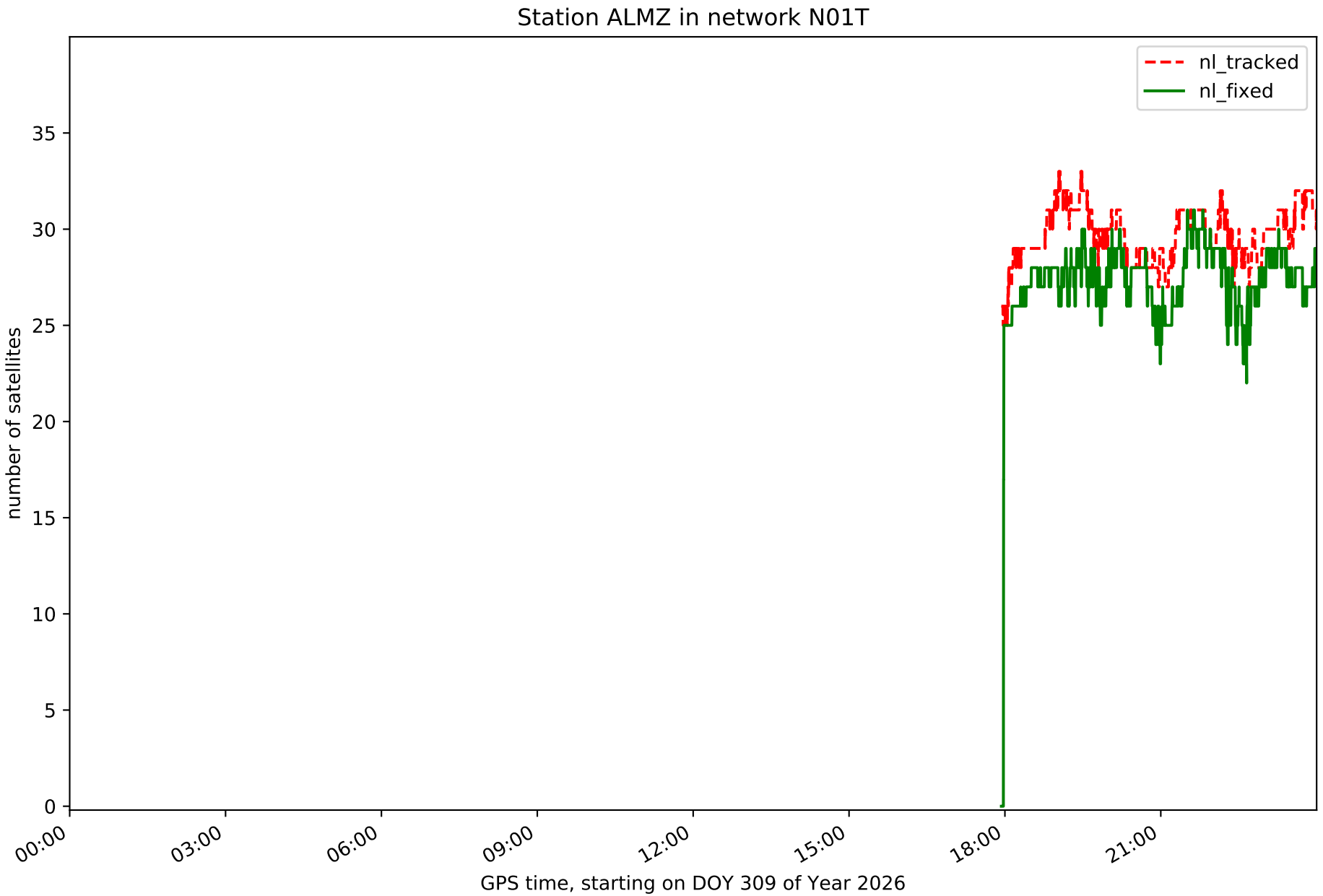

Fixing percentage of satellites in network N01T with threshold set to 0.3
percentage fixed to tracked
100
90
80
70
60
50
40
30
20
10
0
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

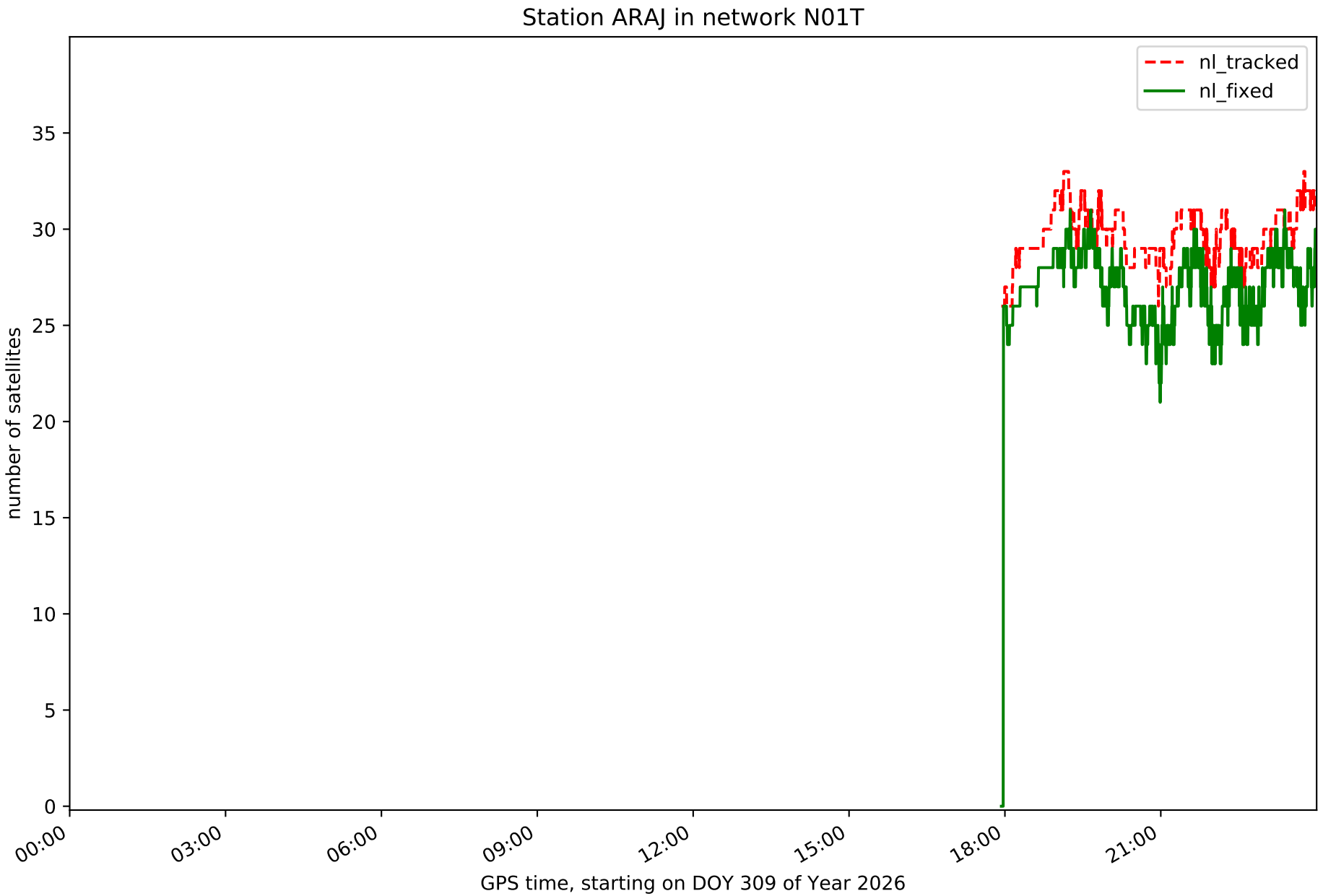

Network N01T - only GPS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 309 of Year 2026
l1_tracked
l1_fixed (95.0 % fixed)
l2_tracked
l2_fixed (95.0 % fixed)
l5_tracked
l5_fixed (95.5 % fixed)
0
2
4
6
8
10
12
14
16
18
20
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00

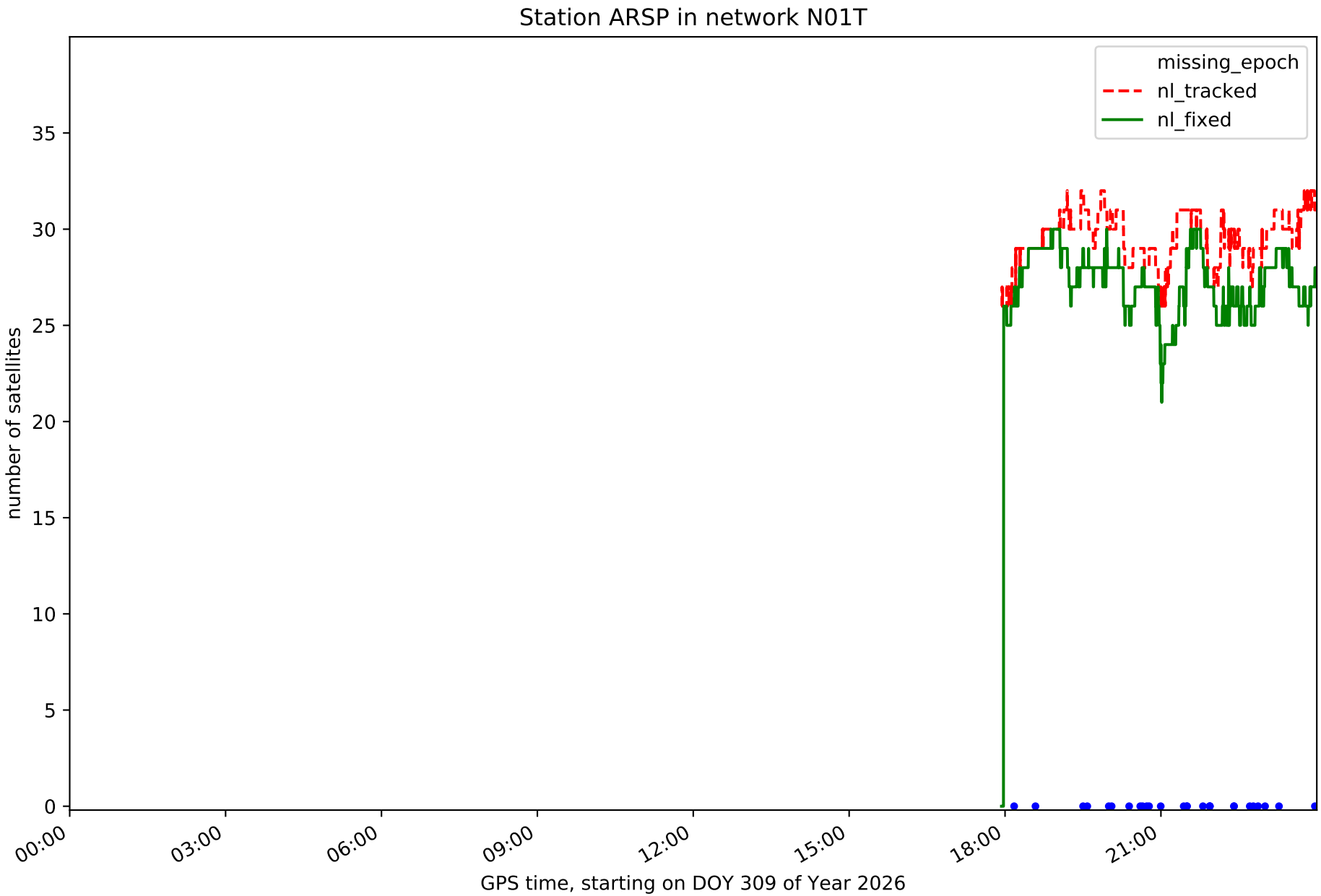

Network N01T - only GLONASS with threshold set to 0.3
l1_tracked
l1_fixed (96.8 % fixed)
l2_tracked
l2_fixed (96.8 % fixed)
number of satellites
0
2
4
6
8
10
12
14
16
18
20
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

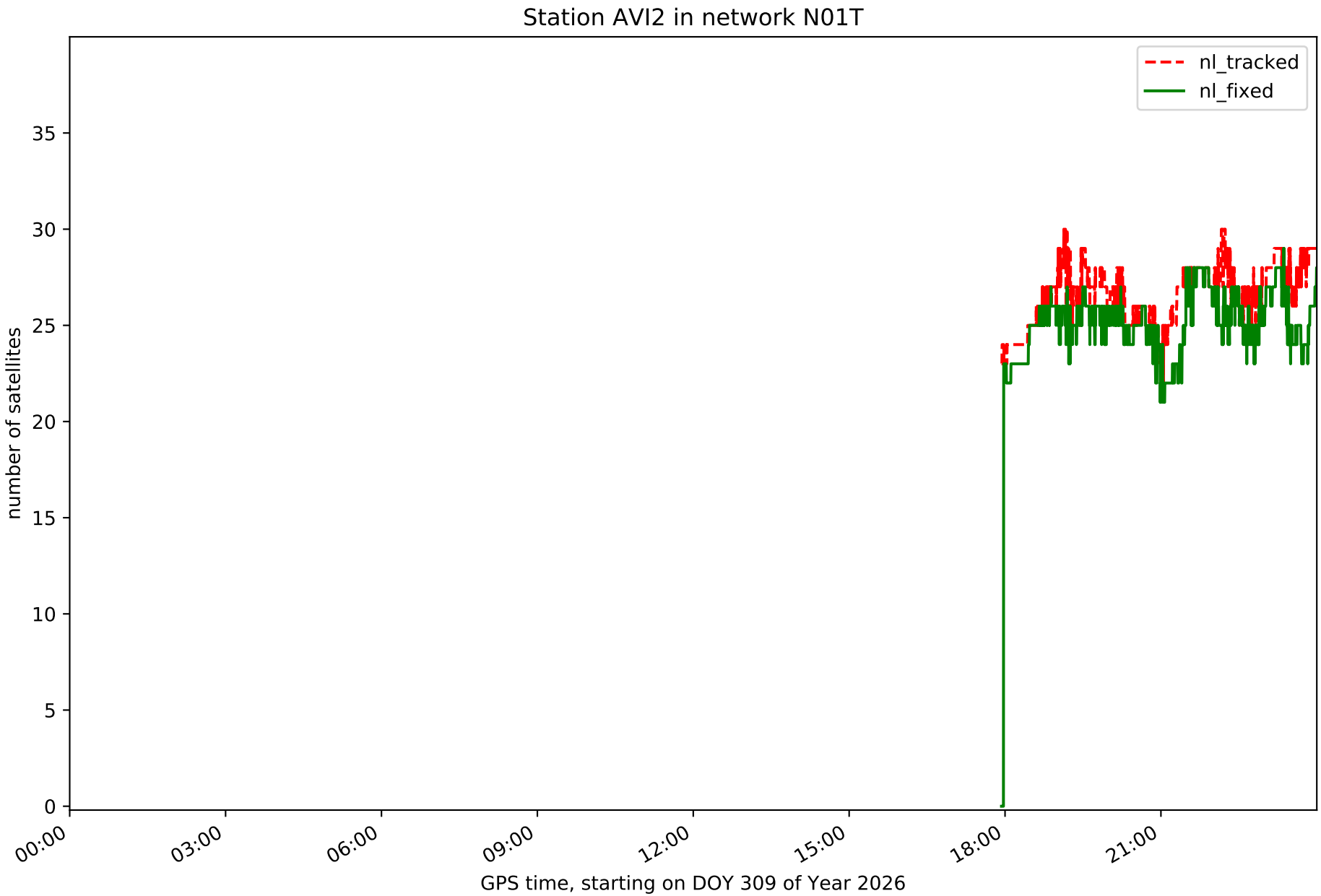

Network N01T - only BDS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 309 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
I2_tracked
I2_fixed (92.8 % fixed)
I6_tracked
I6_fixed (92.7 % fixed)
I7_tracked
I7_fixed (0.0 % fixed)

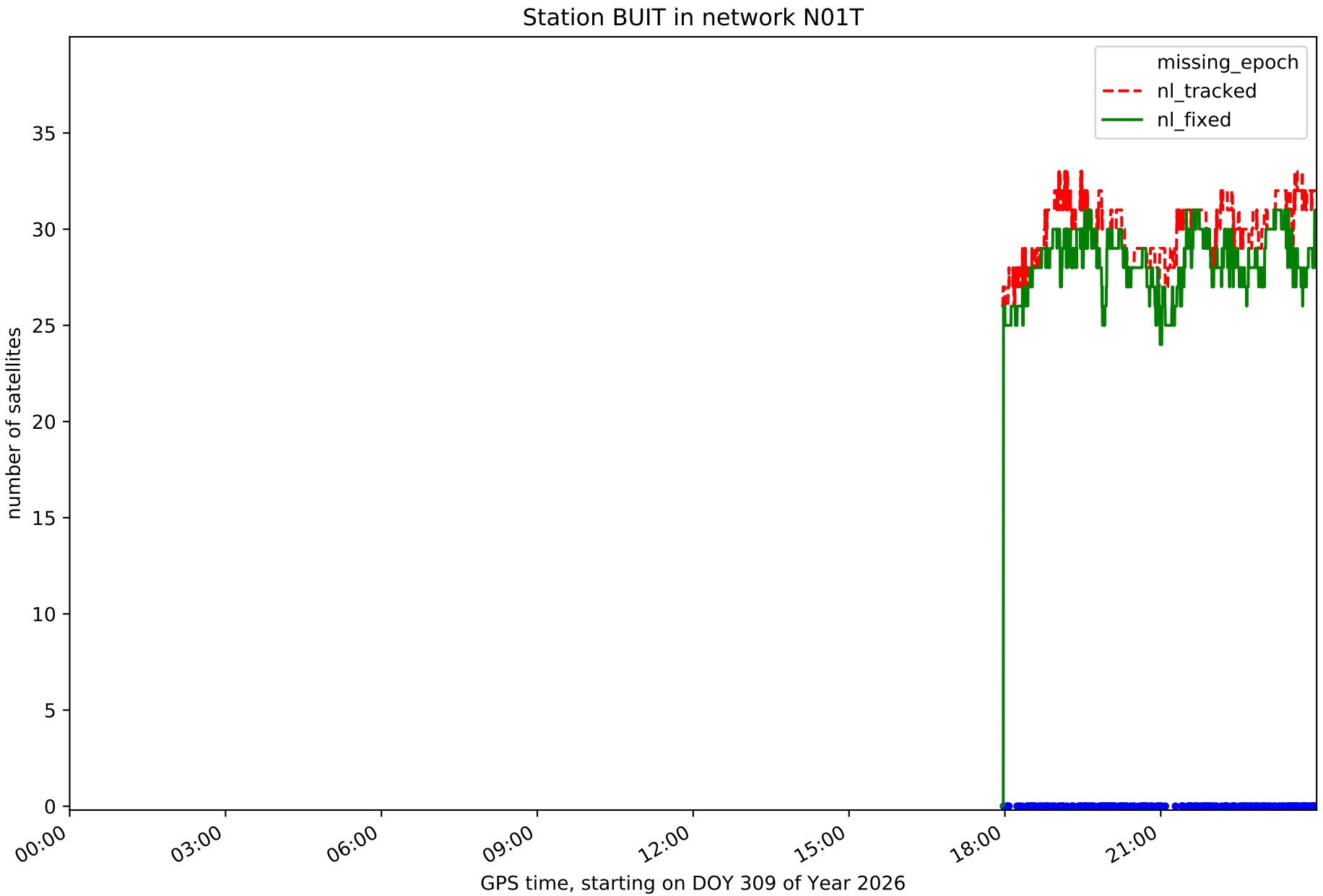

Network N01T - only Galileo with threshold set to 0.3
number of satellites
GPS time, starting on DOY 309 of Year 2026
l1_tracked
l1_fixed (94.7 % fixed)
l5_tracked
l5_fixed (95.1 % fixed)
l7_tracked
l7_fixed (95.1 % fixed)
0
2
4
6
8
10
12
14
16
18
20
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00

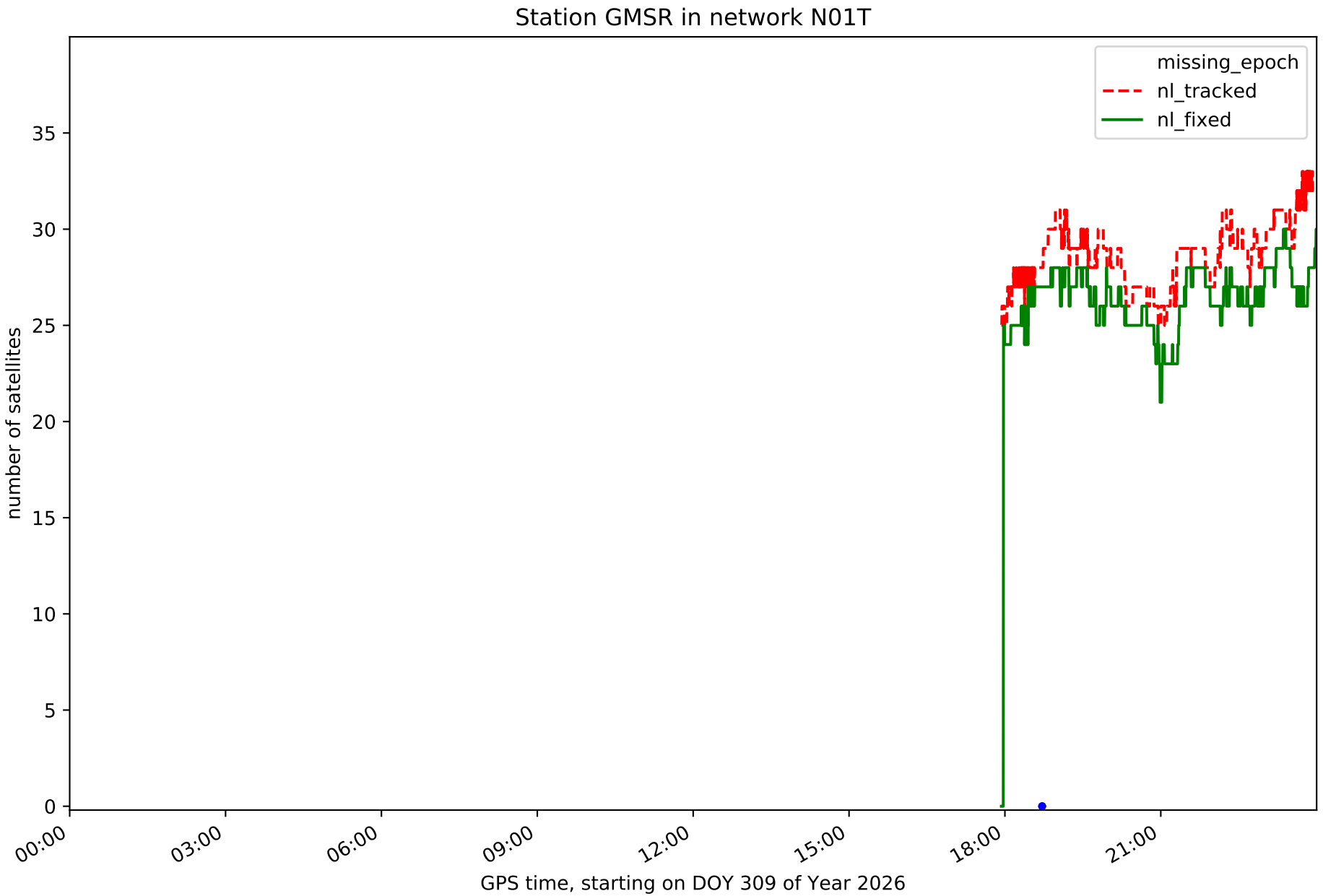

Station ALMZ in network N01T
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

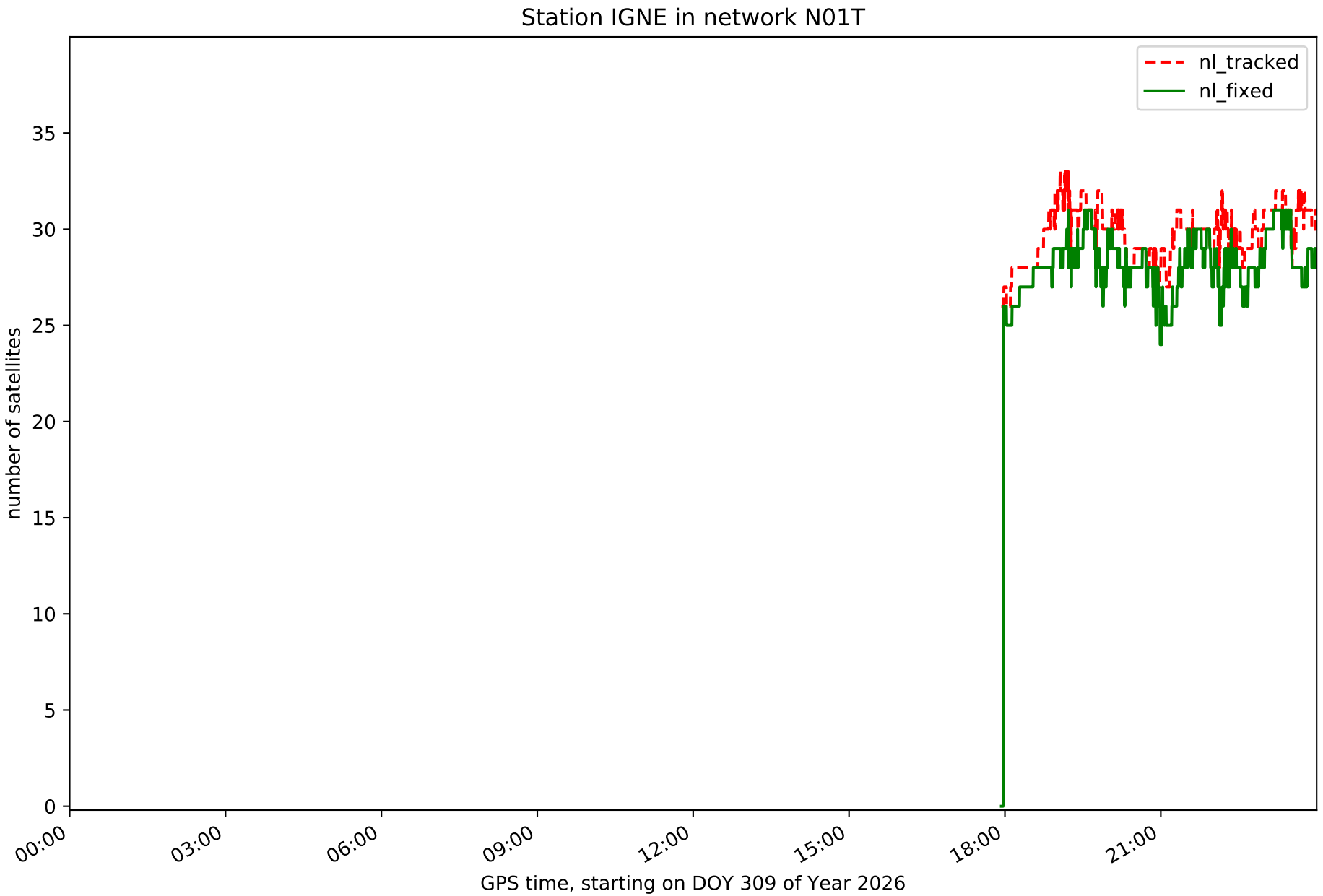

Station ARAJ in network N01T
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

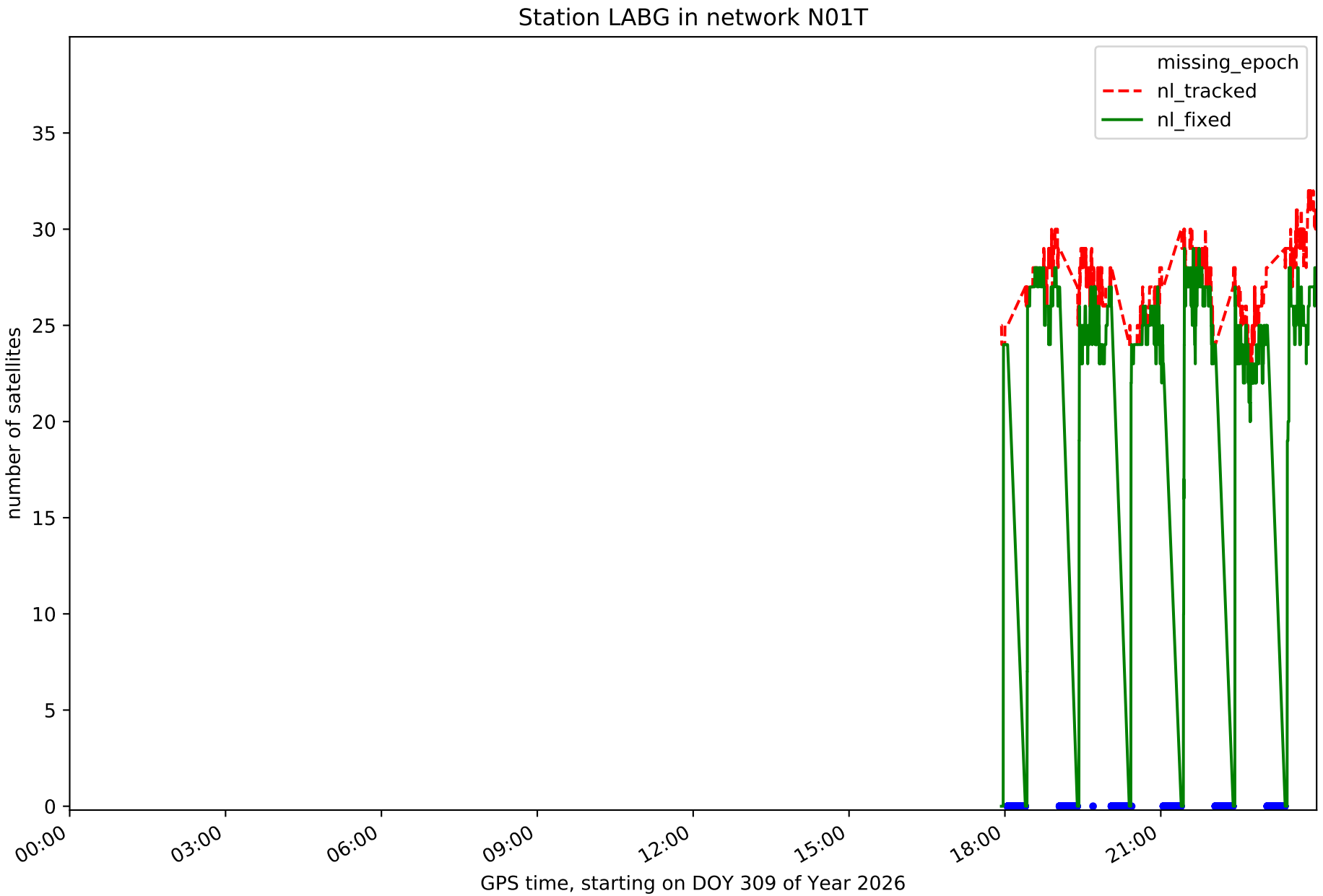

Station ARSP in network N01T
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

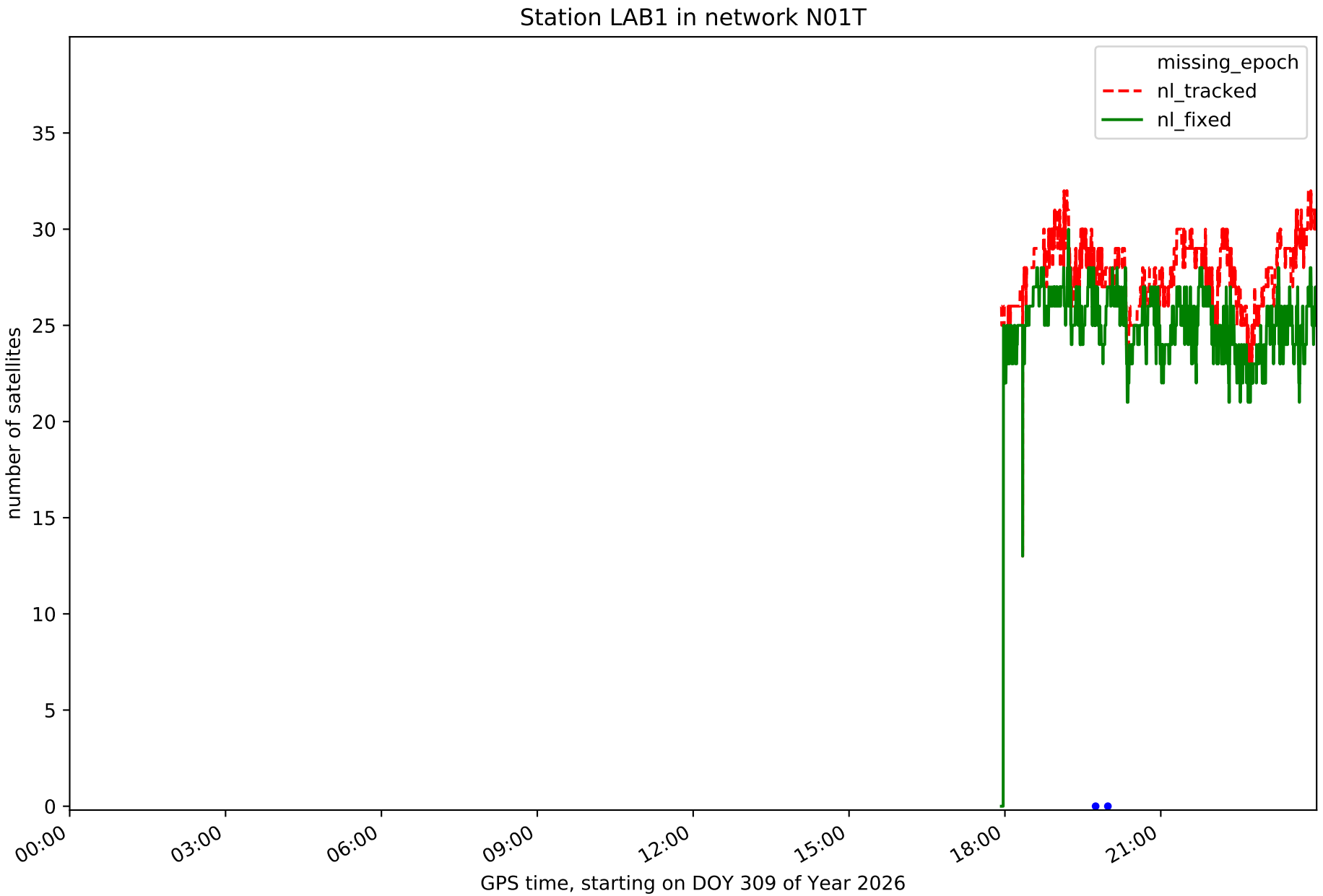

Station AVI2 in network N01T
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

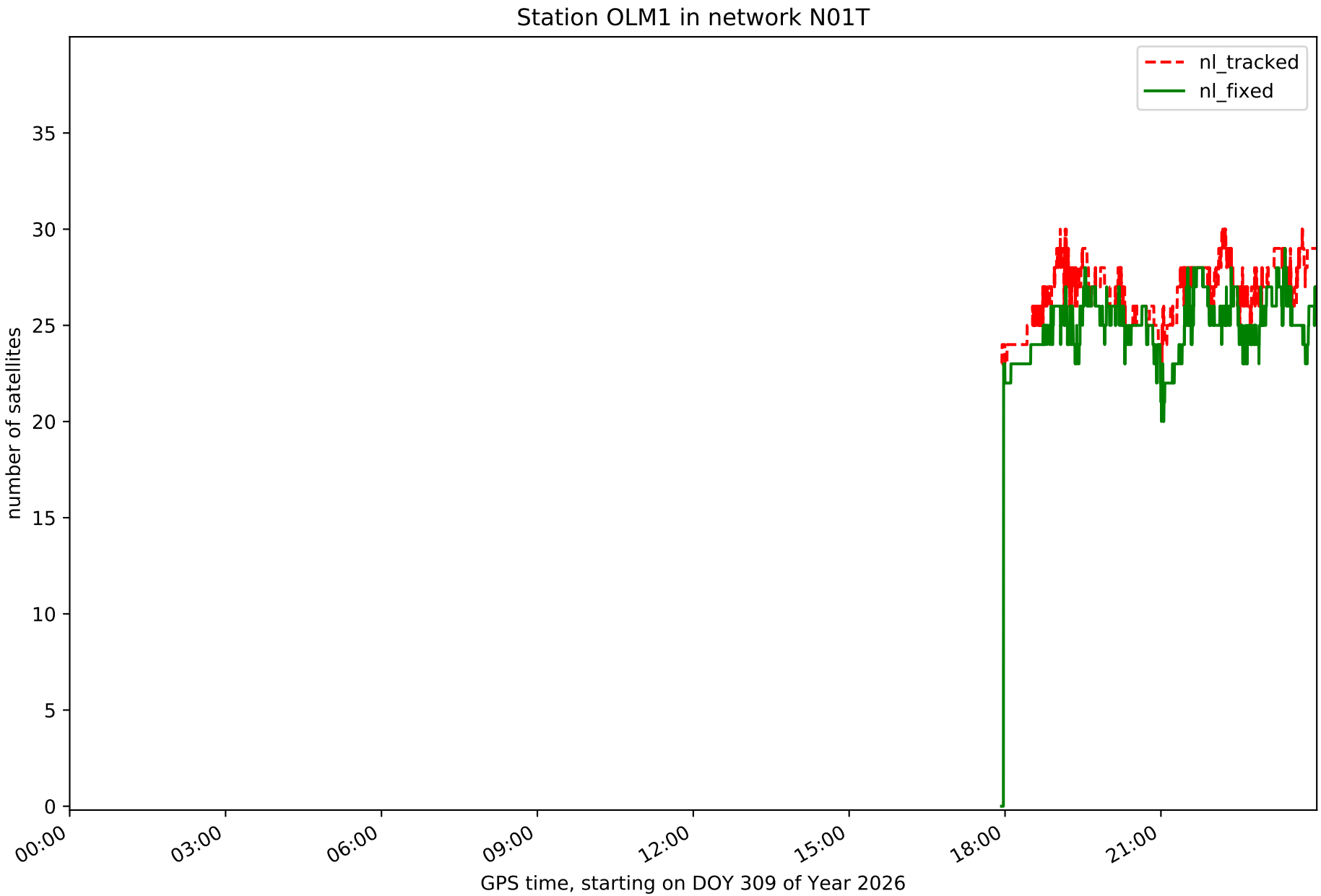

Station BUIT in network N01T
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

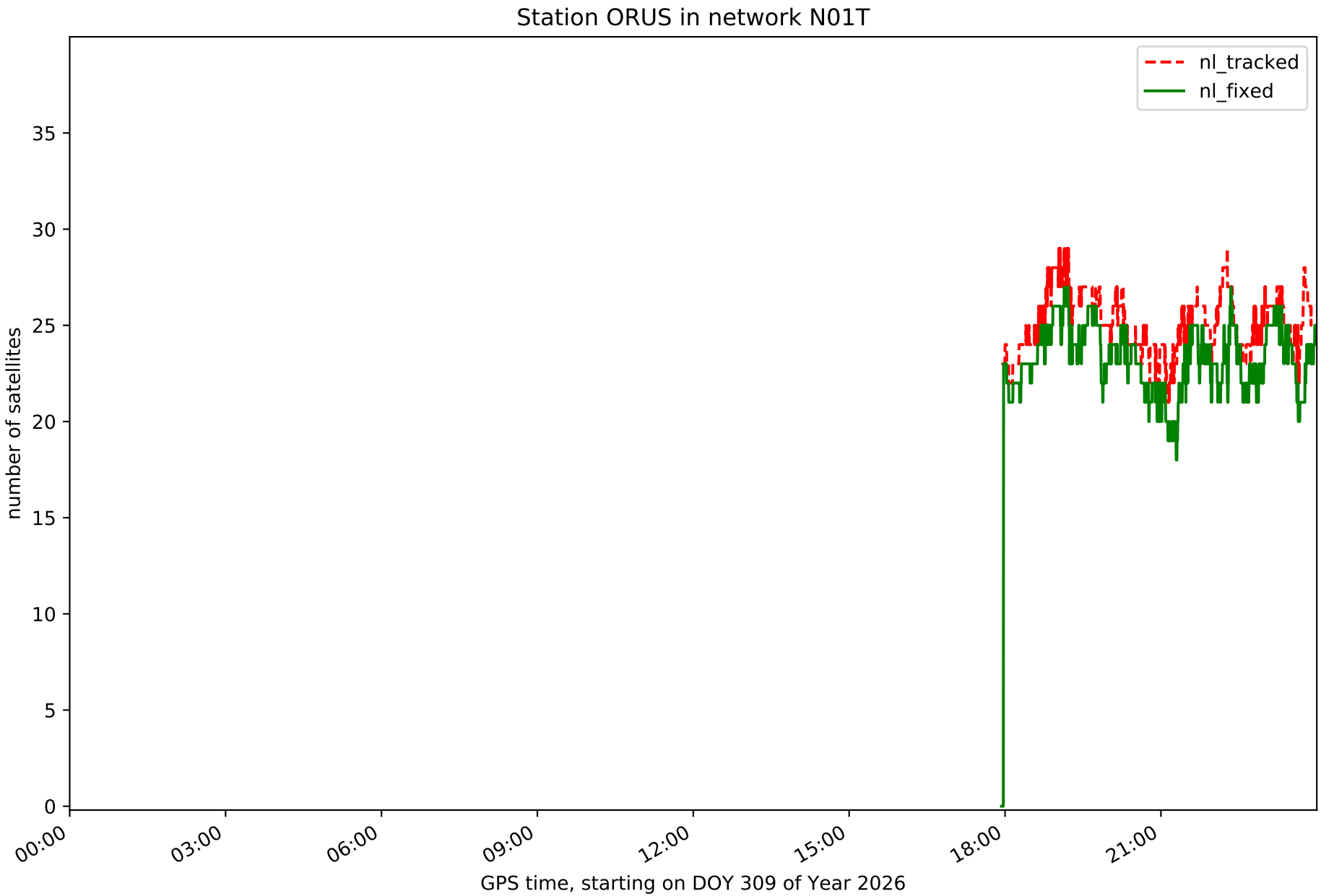

Station GMSR in network N01T
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

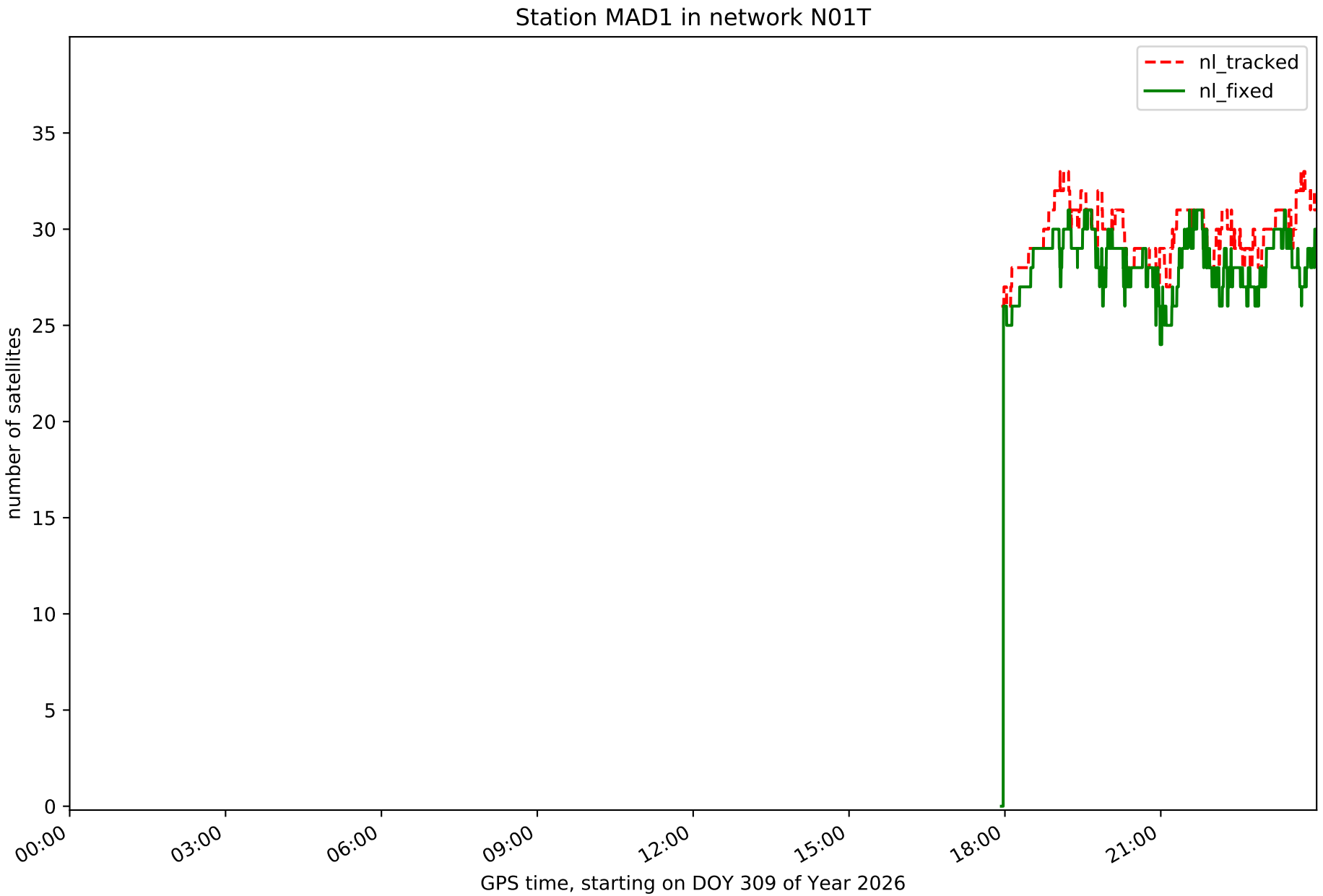

Station IGNE in network N01T
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

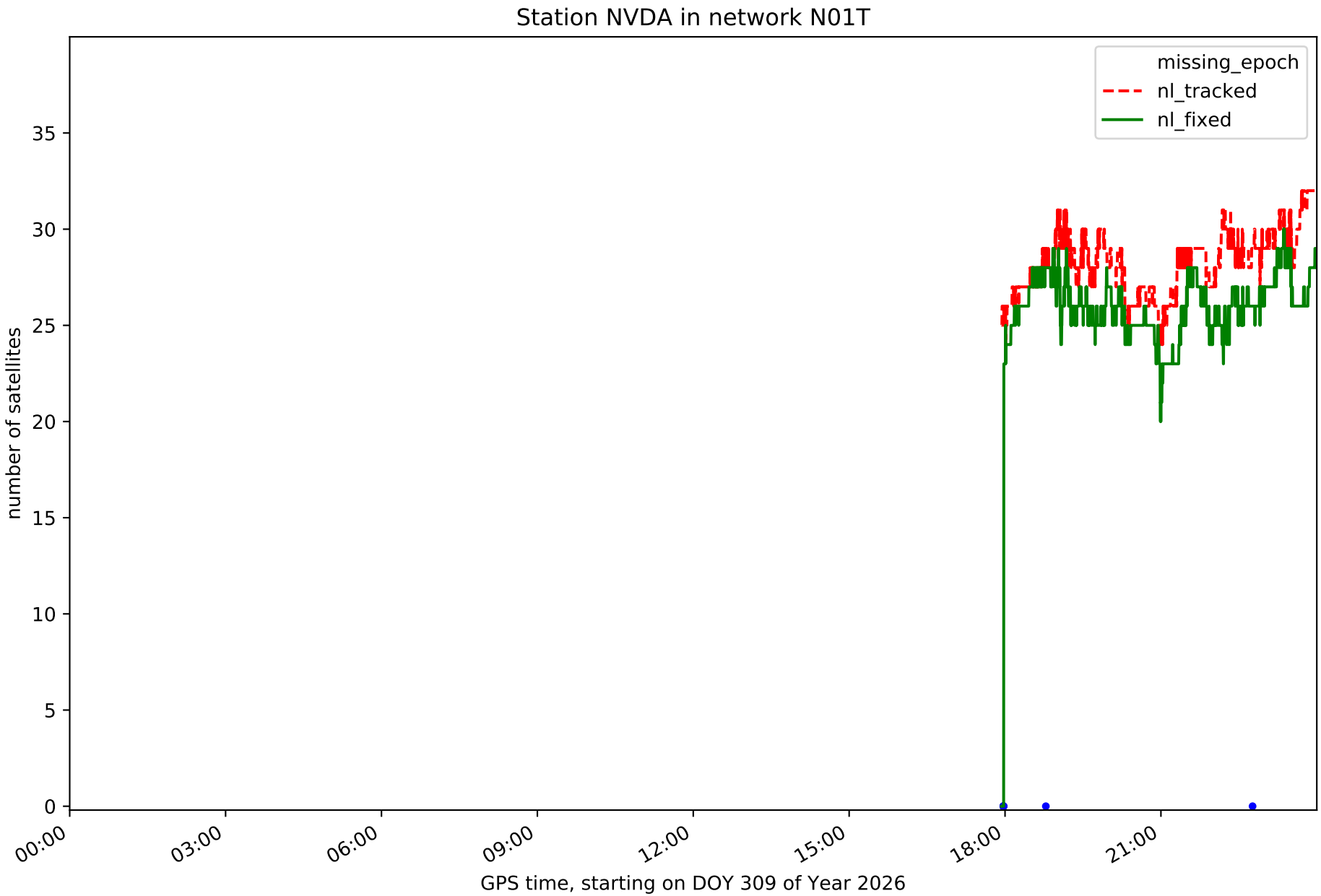

Station LABG in network N01T
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

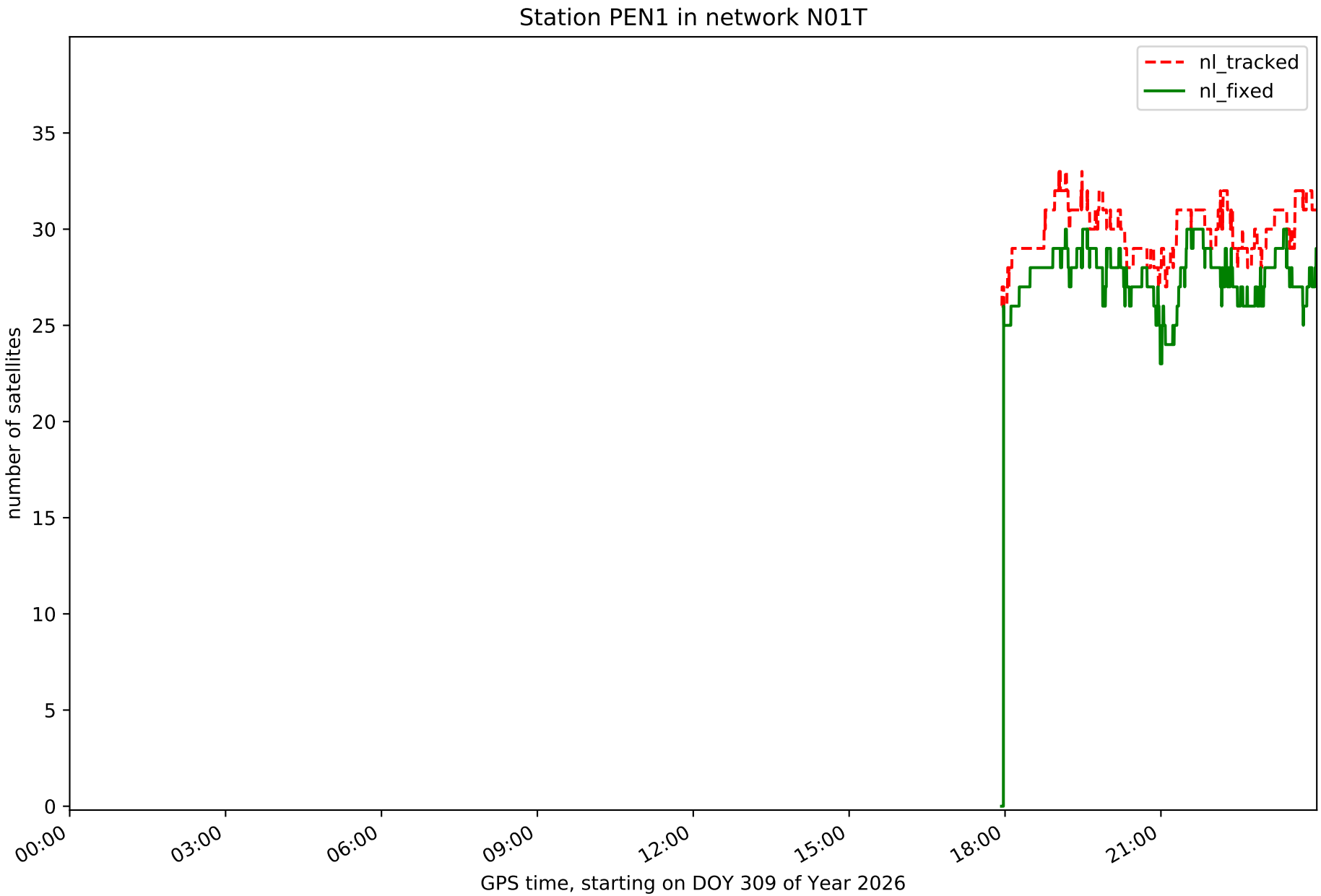

Station LAB1 in network N01T
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

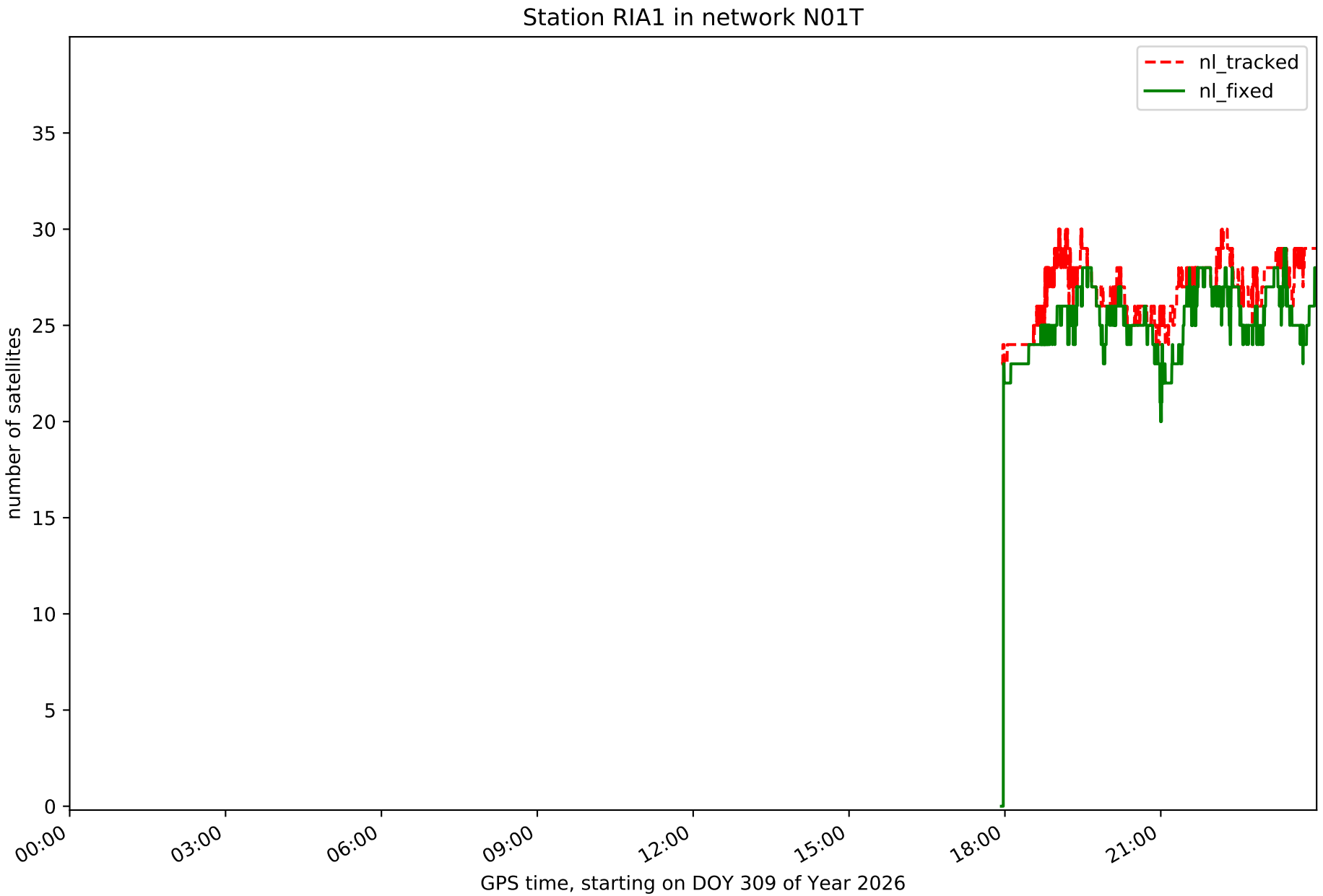

Station OLM1 in network N01T
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

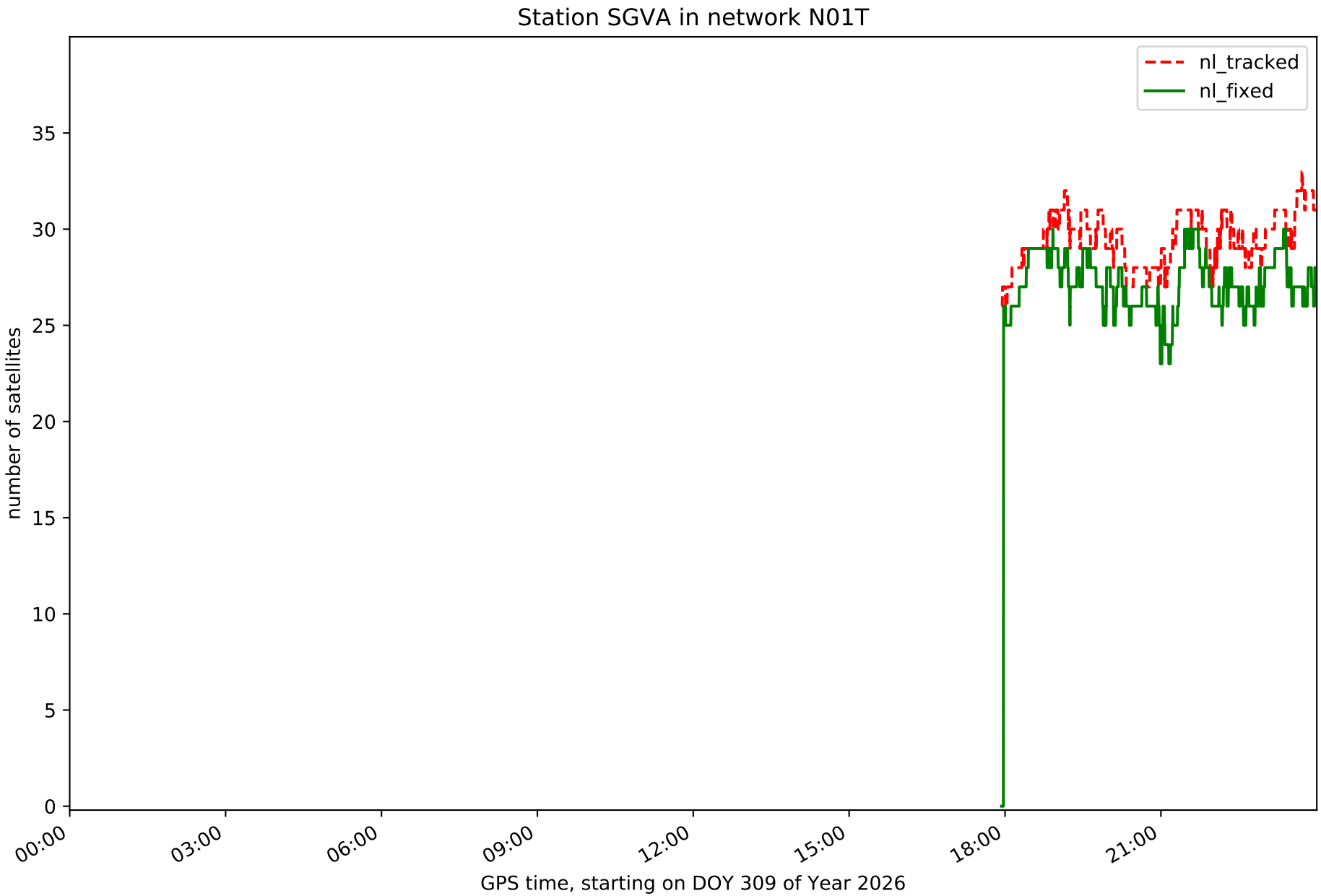

Station ORUS in network N01T
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

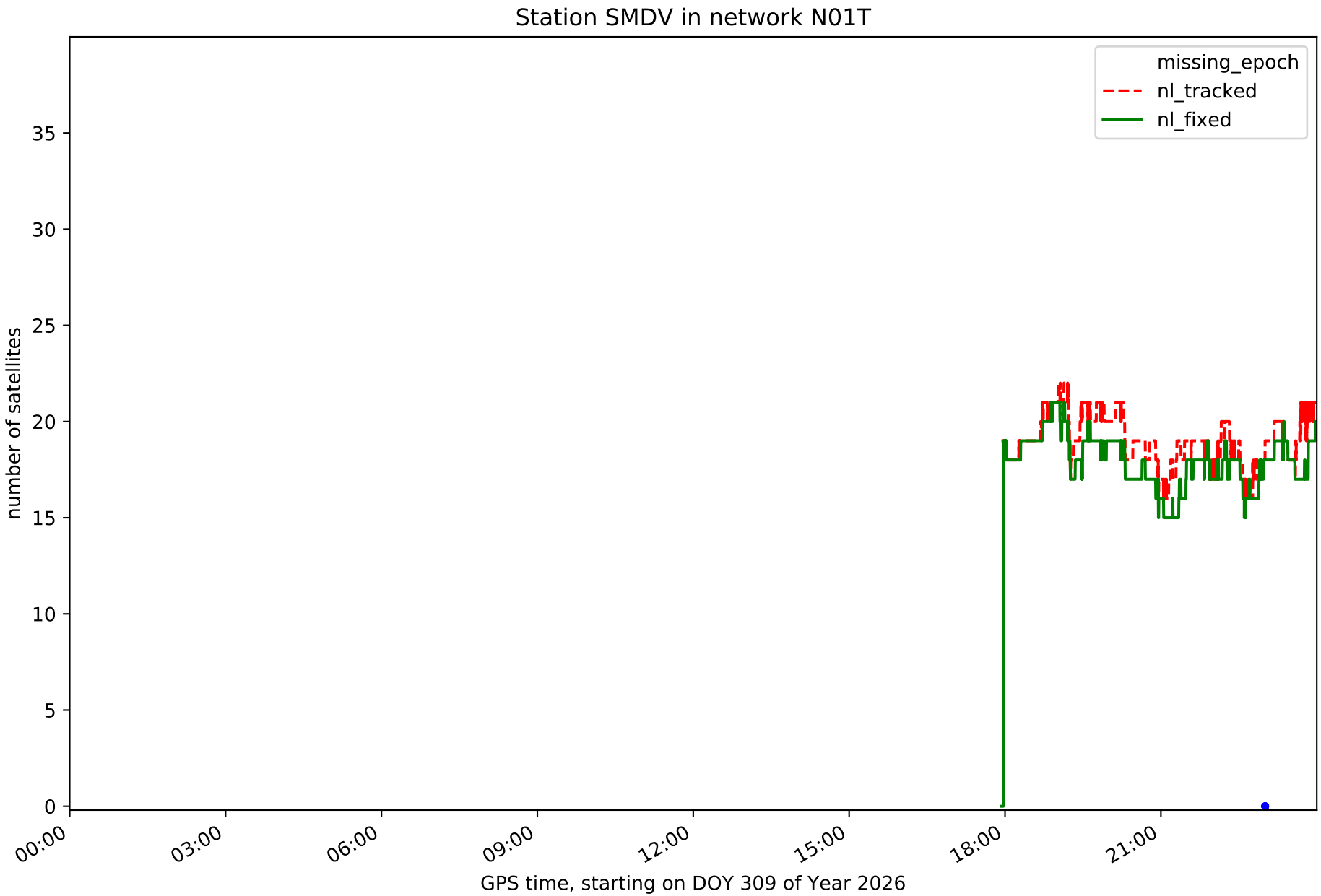

Station MAD1 in network N01T
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

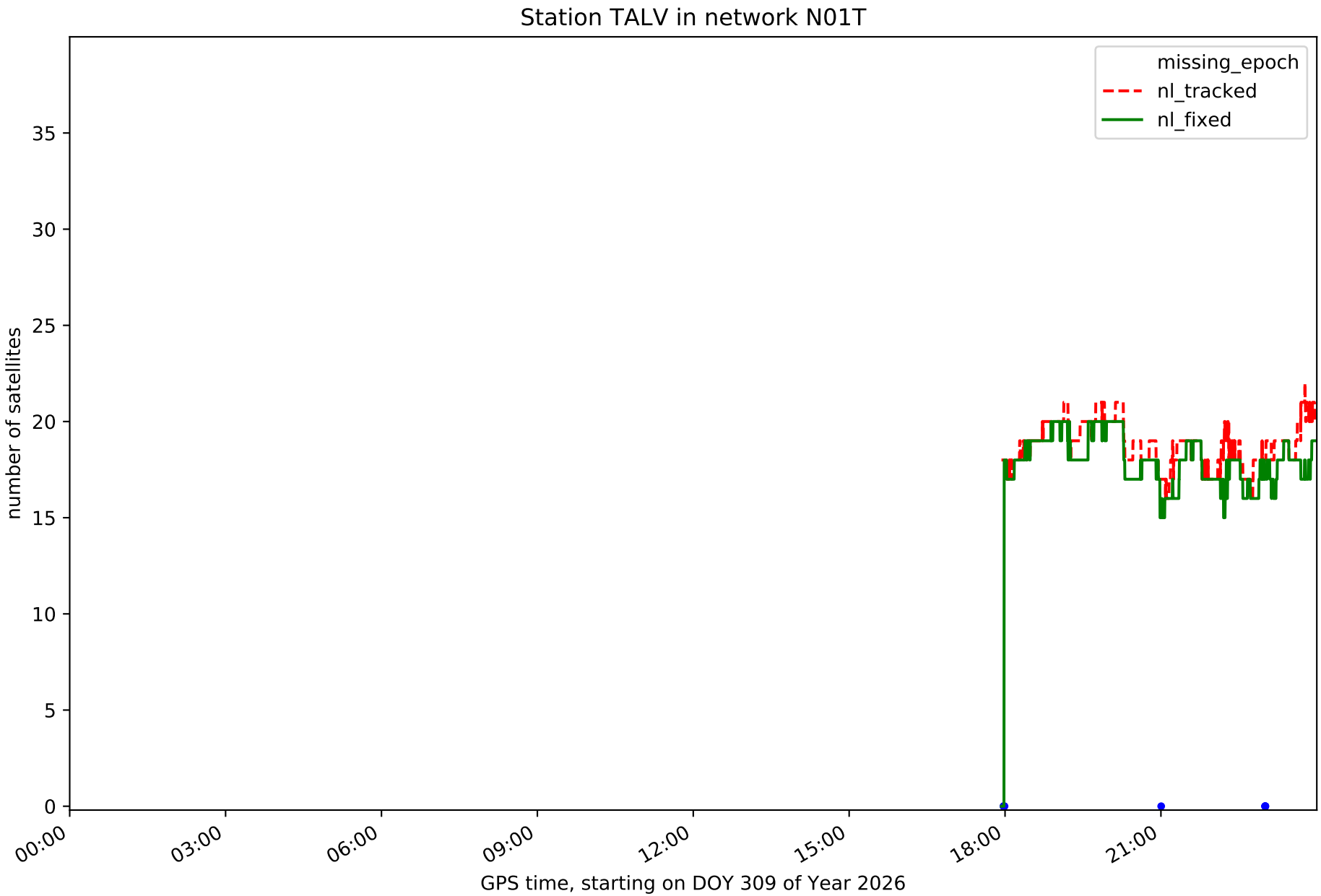

Station NVDA in network N01T
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

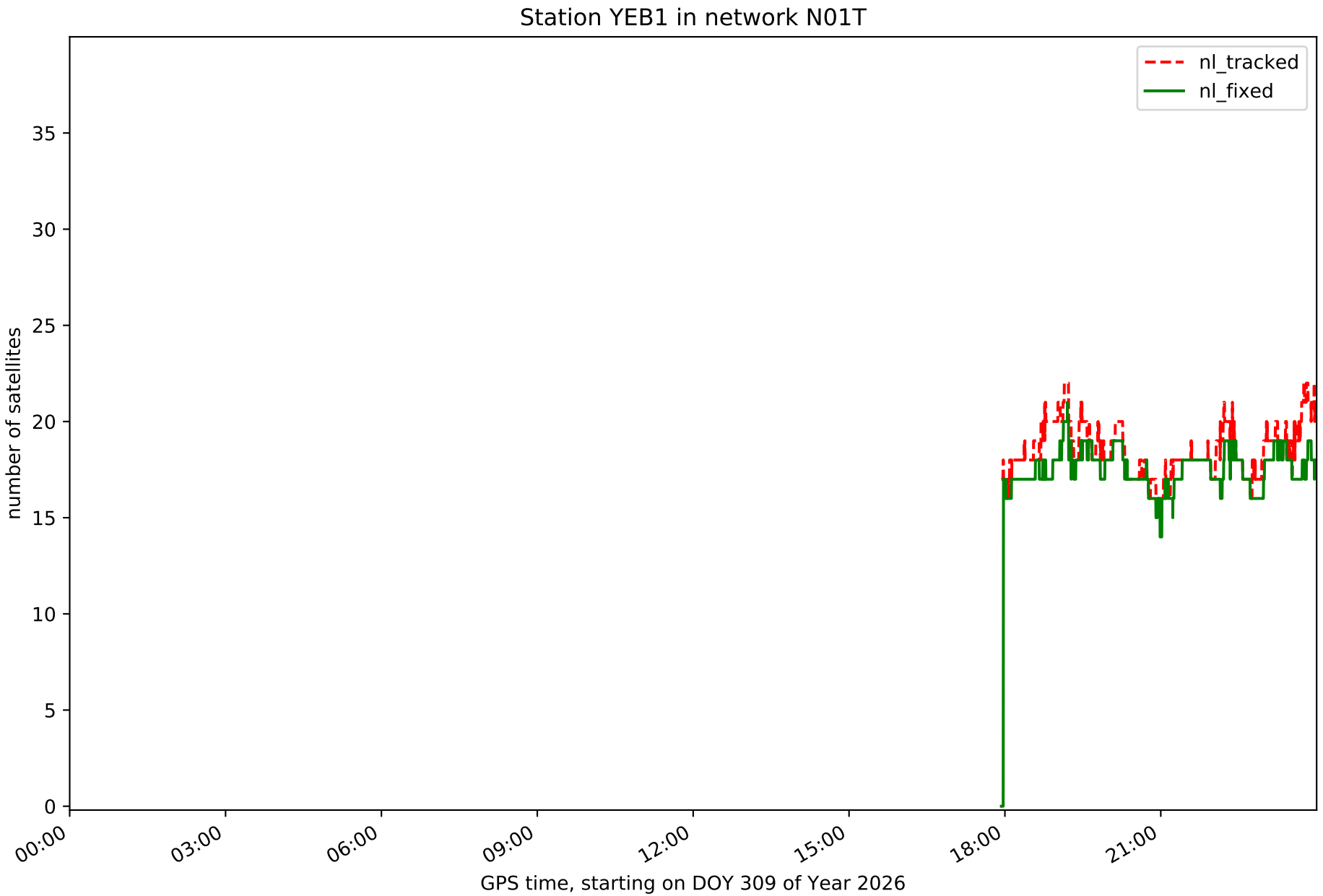

Station PEN1 in network N01T
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

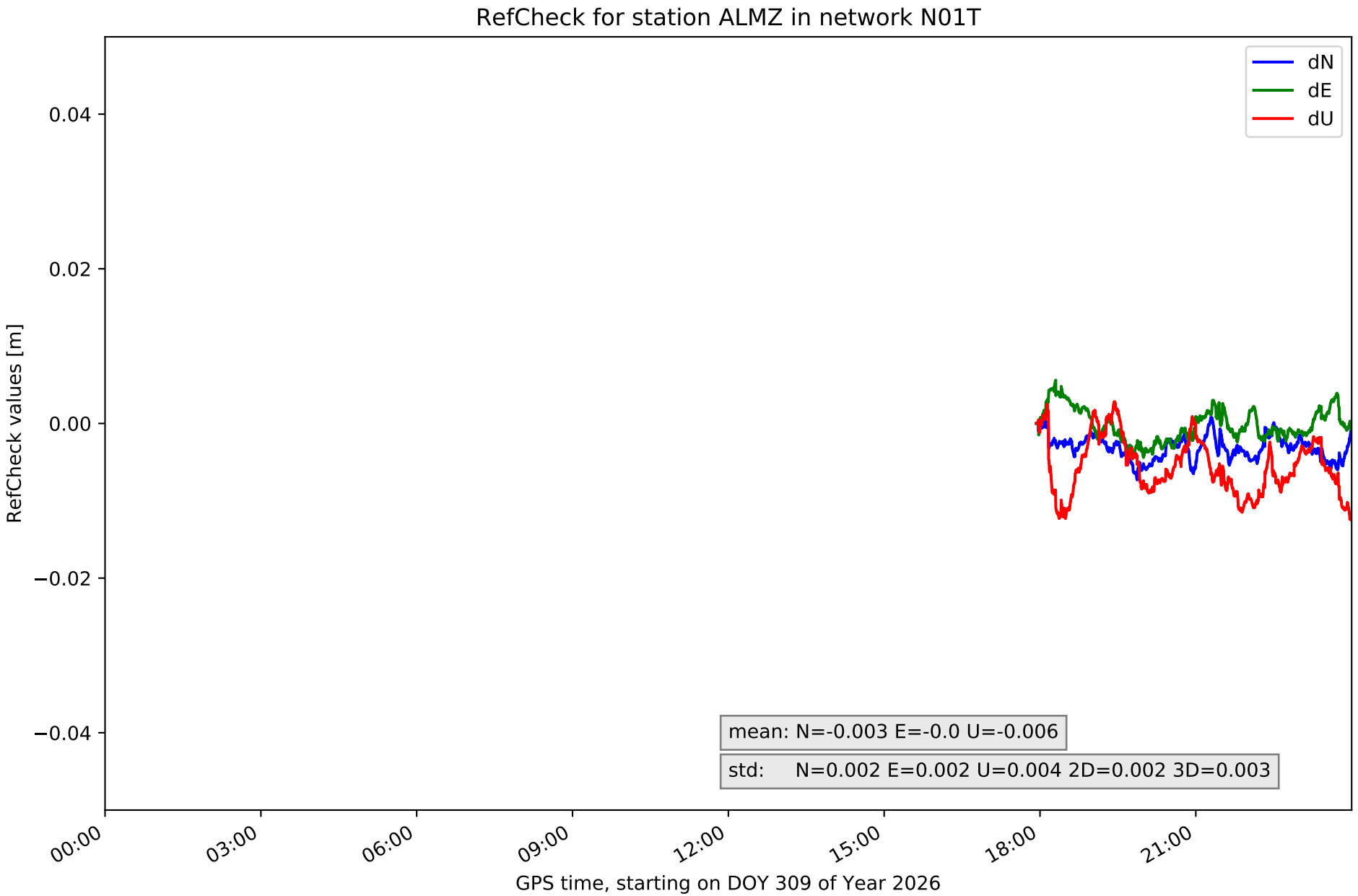

Station RIA1 in network N01T
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

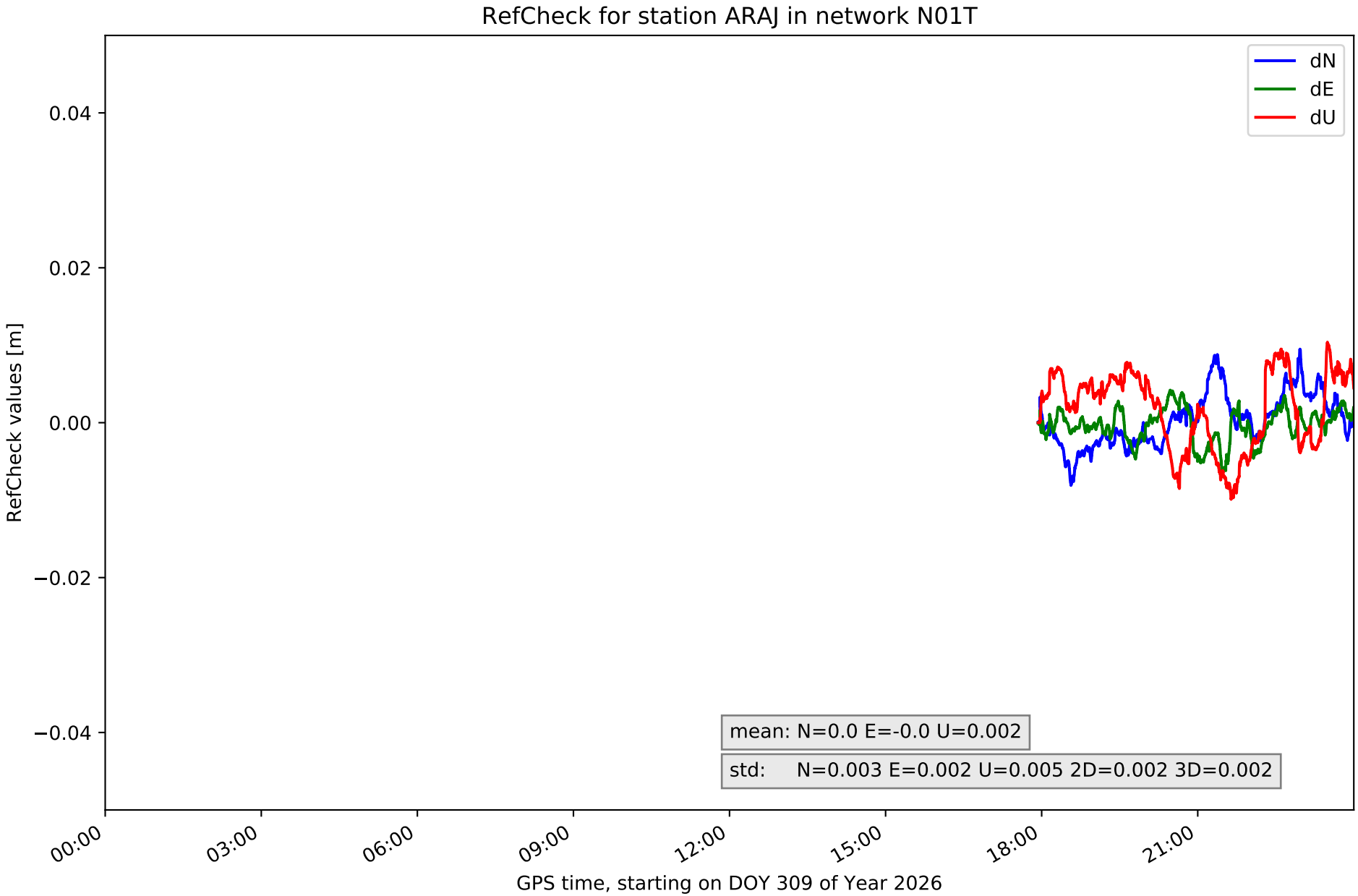

Station SGVA in network N01T
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

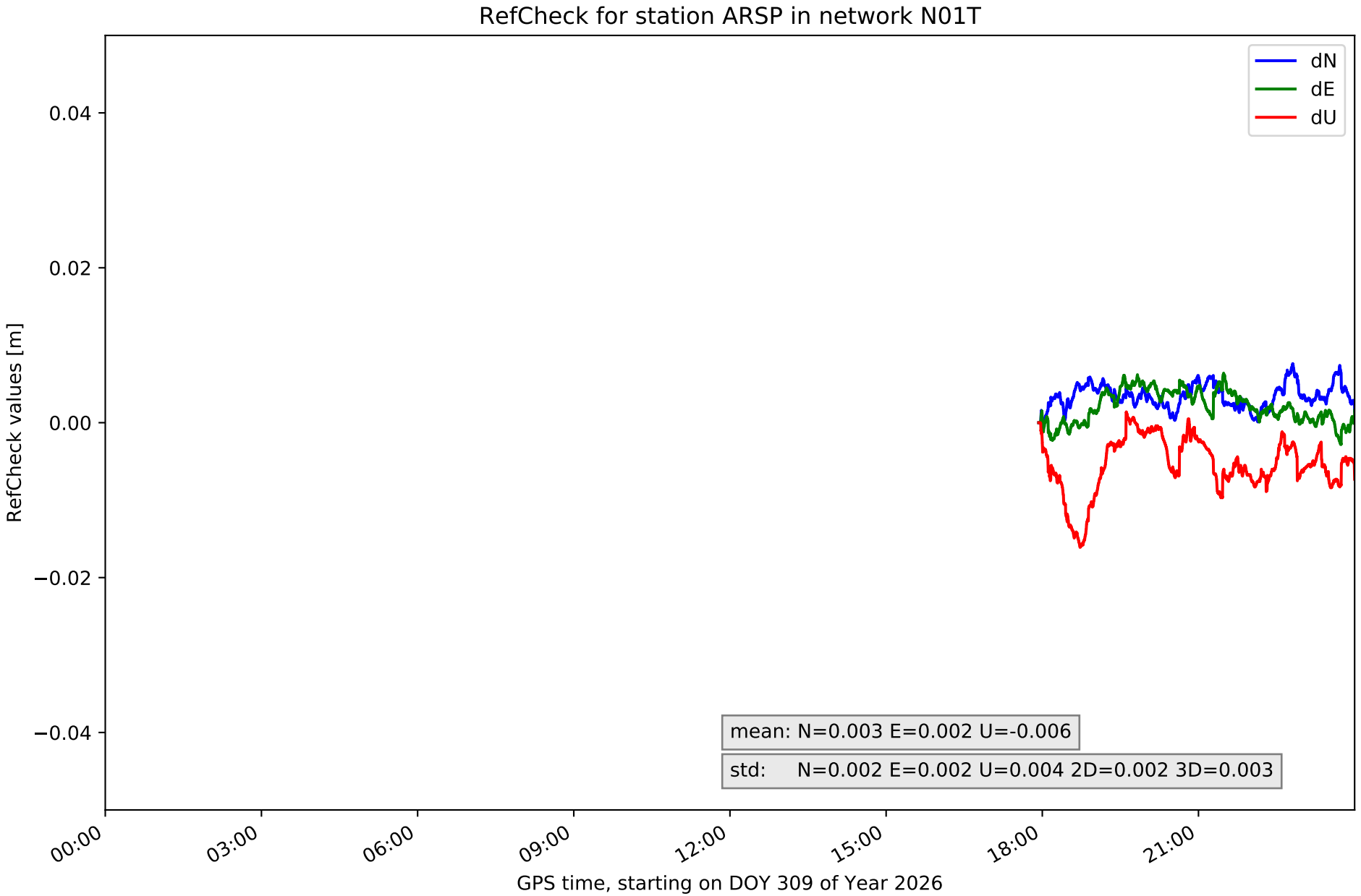

Station SMDV in network N01T
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

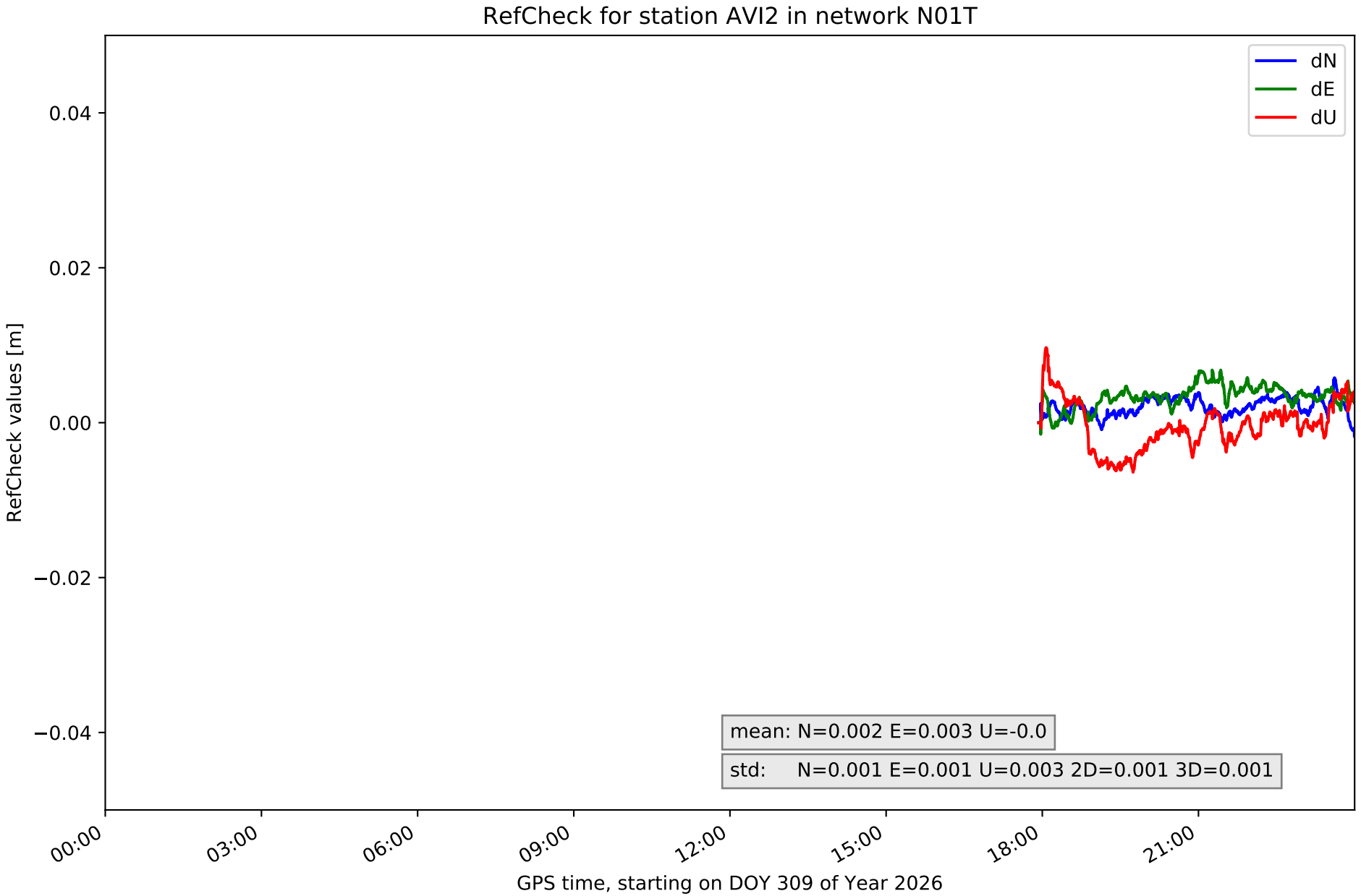

Station TALV in network N01T
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

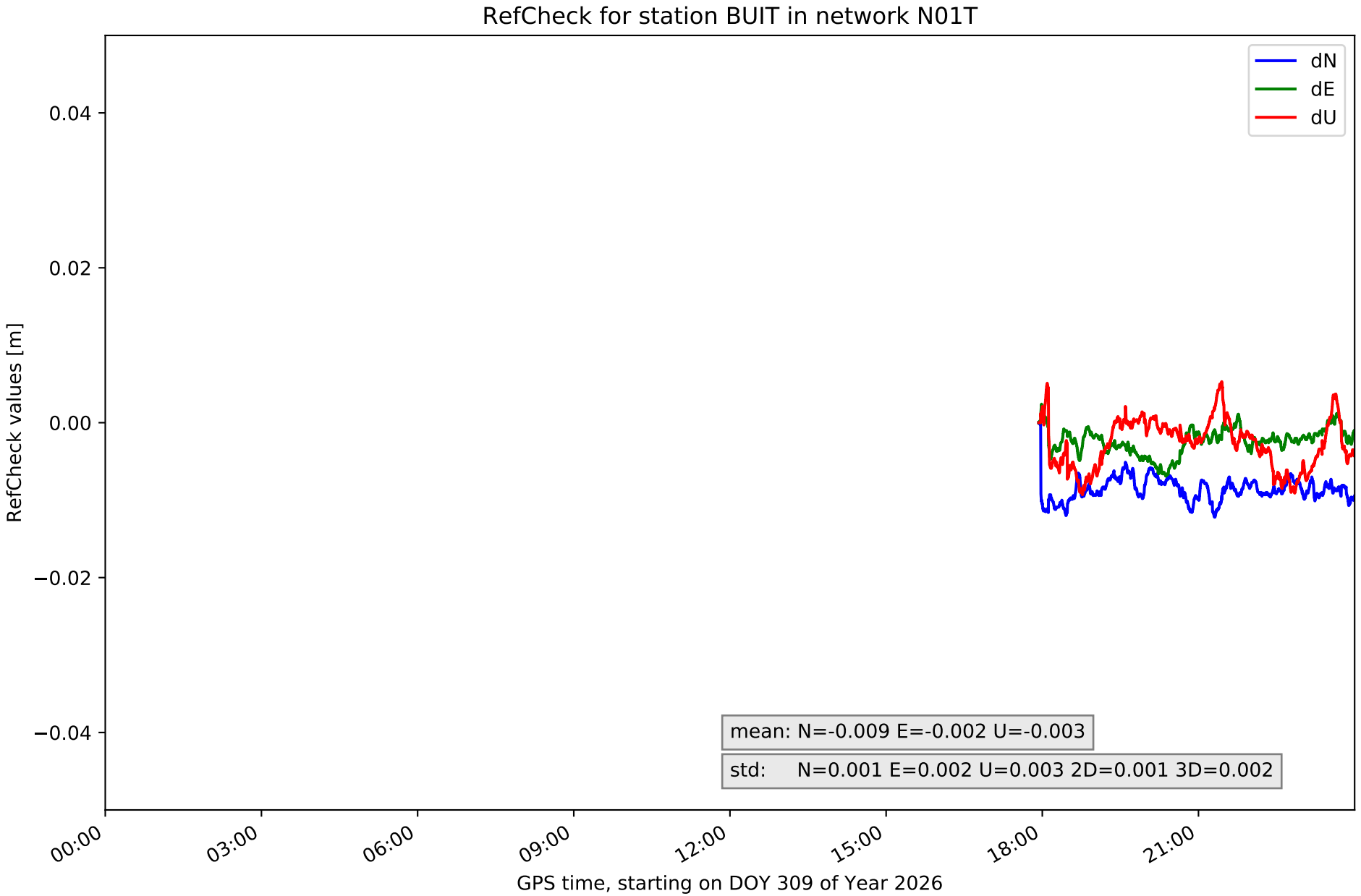

Station YEB1 in network N01T
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

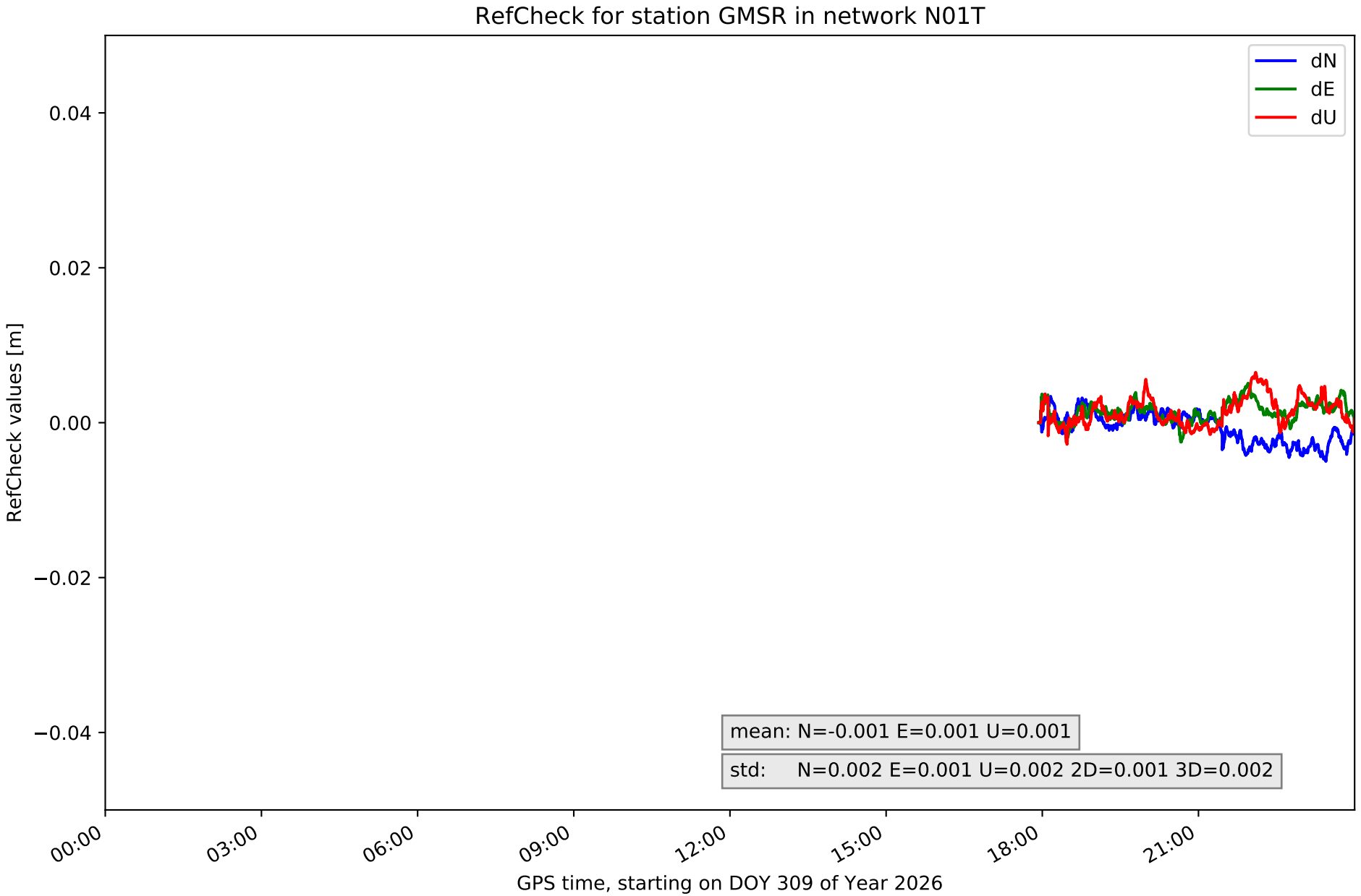

RefCheck for station ALMZ in network N01T
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.003 E=-0.0 U=-0.006
std: N=0.002 E=0.002 U=0.004 2D=0.002 3D=0.003
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

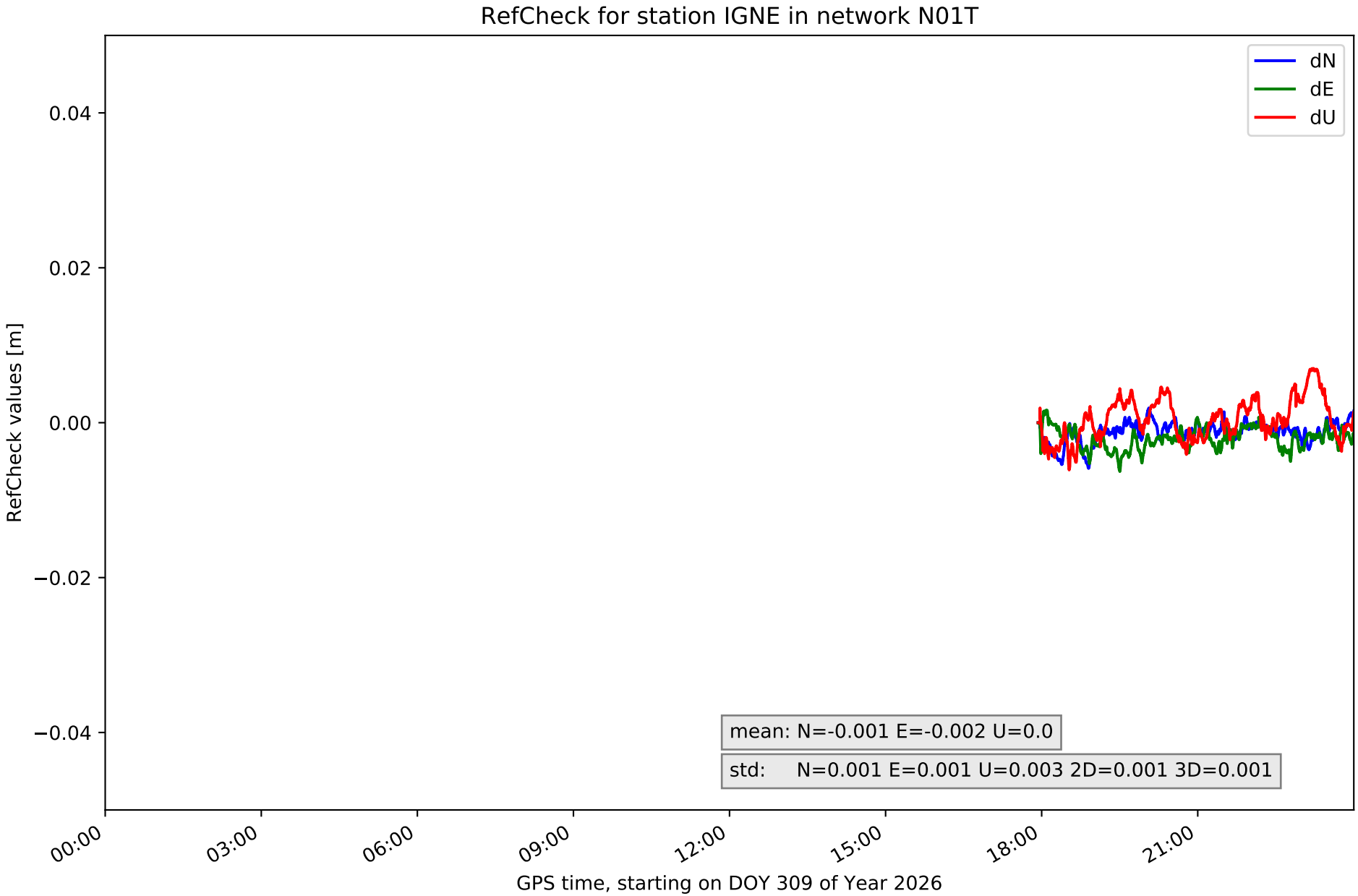

RefCheck for station ARAJ in network N01T
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.0 E=-0.0 U=0.002
std: N=0.003 E=0.002 U=0.005 2D=0.002 3D=0.002
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

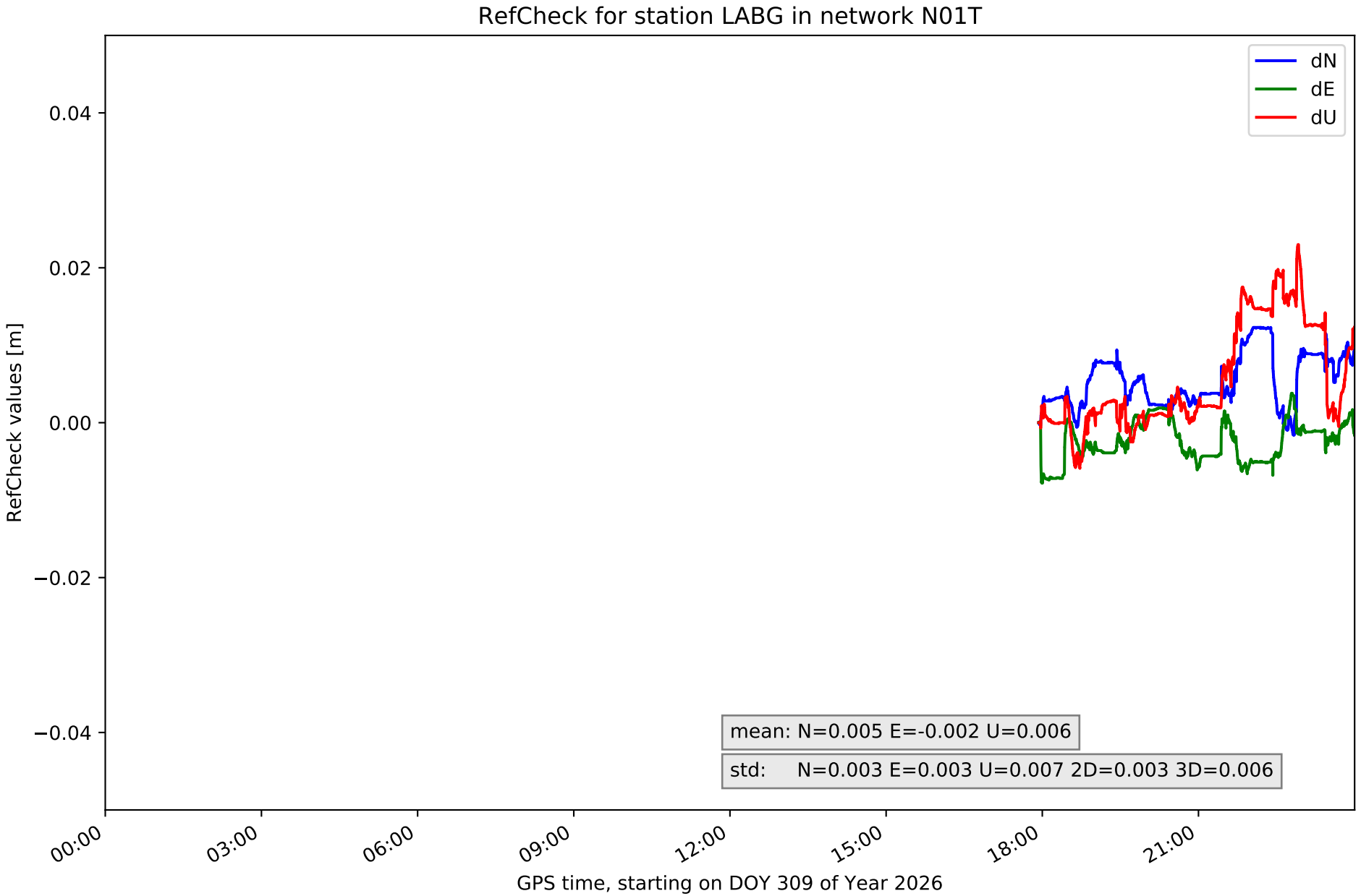

RefCheck for station ARSP in network N01T
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.003 E=0.002 U=-0.006
std: N=0.002 E=0.002 U=0.004 2D=0.002 3D=0.003
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

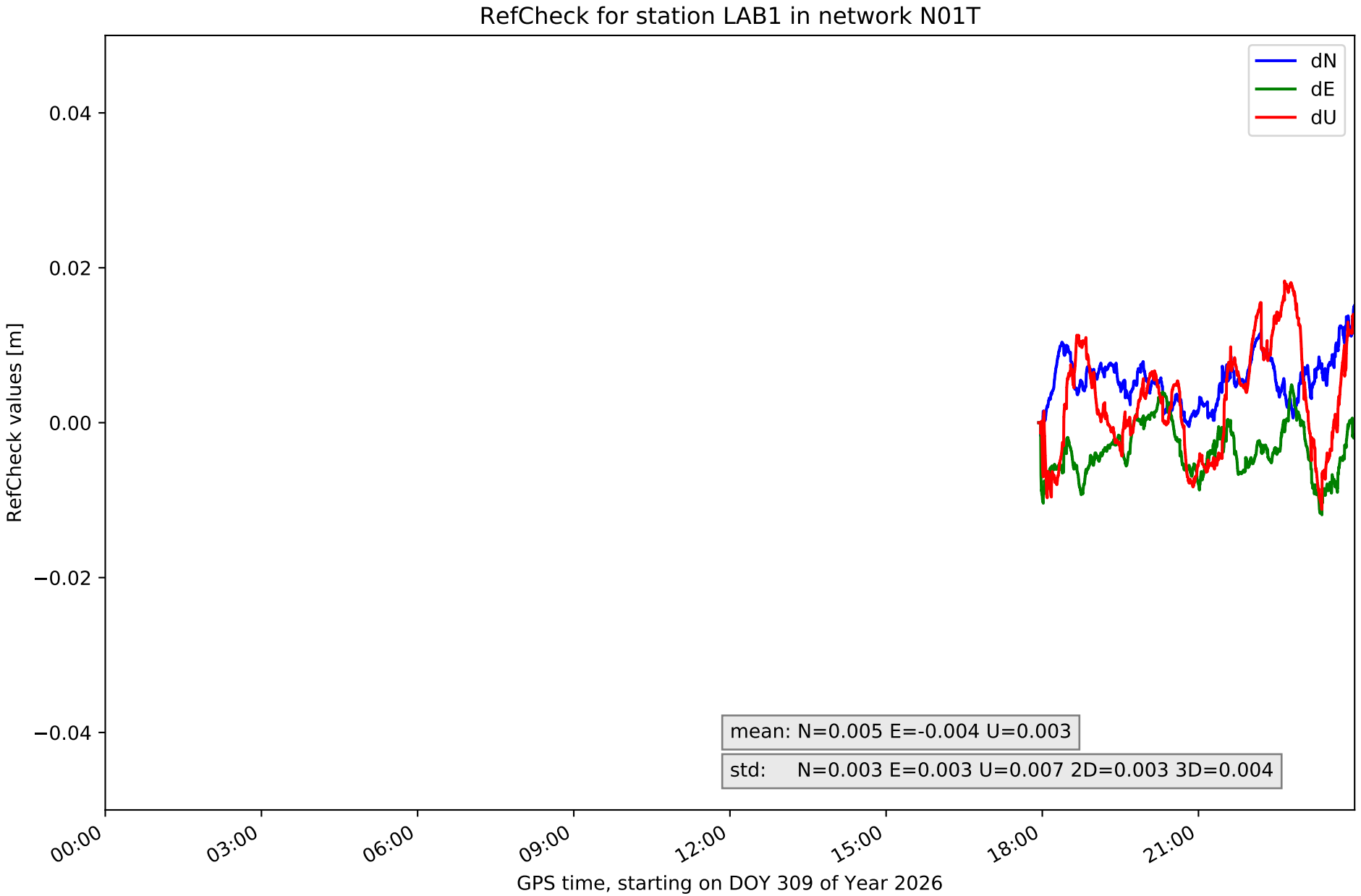

RefCheck for station AVI2 in network N01T
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=0.003 U=-0.0
std: N=0.001 E=0.001 U=0.003 2D=0.001 3D=0.001
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

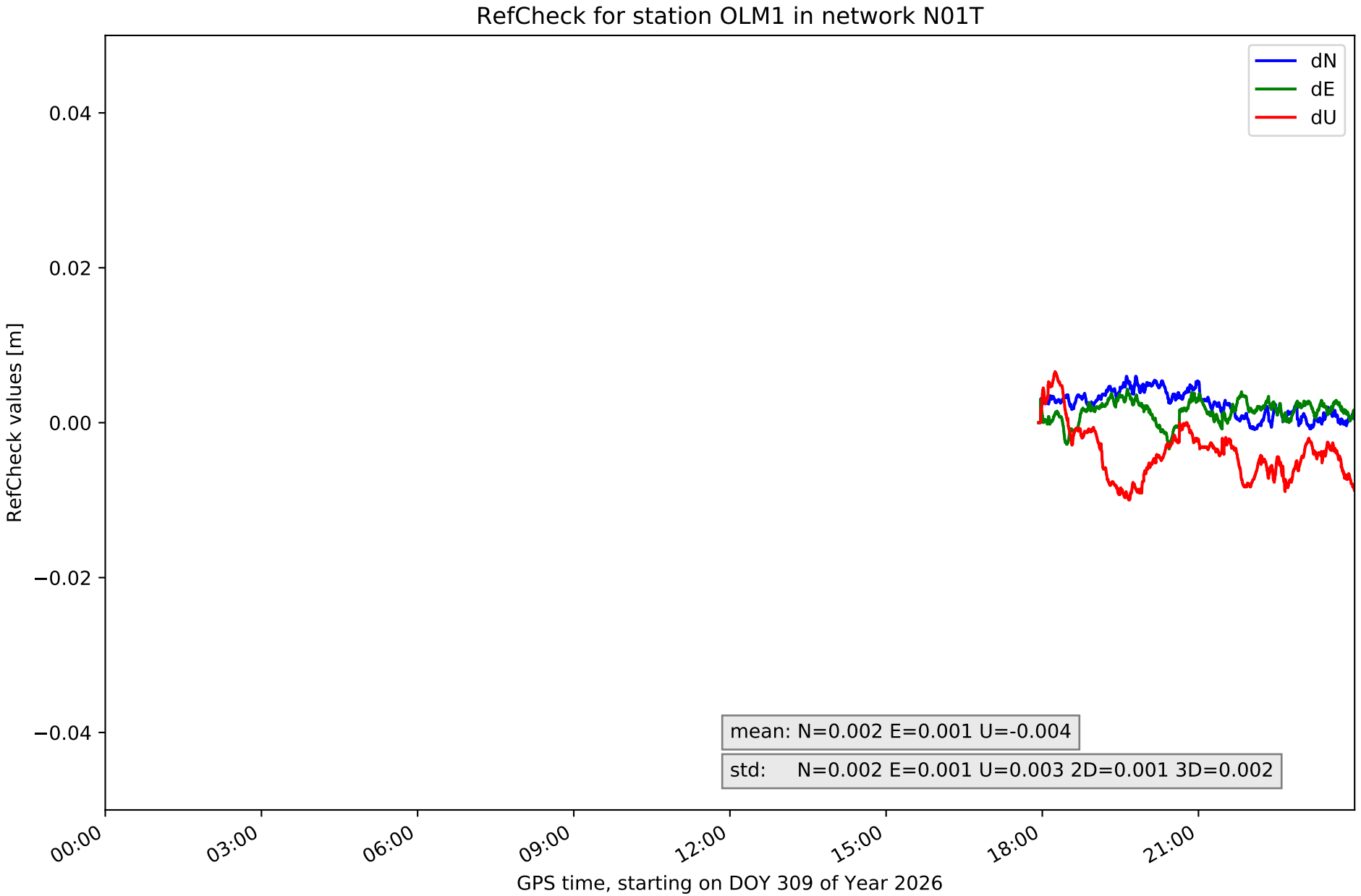

RefCheck for station BUIT in network N01T
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.009 E=-0.002 U=-0.003
std: N=0.001 E=0.002 U=0.003 2D=0.001 3D=0.002
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

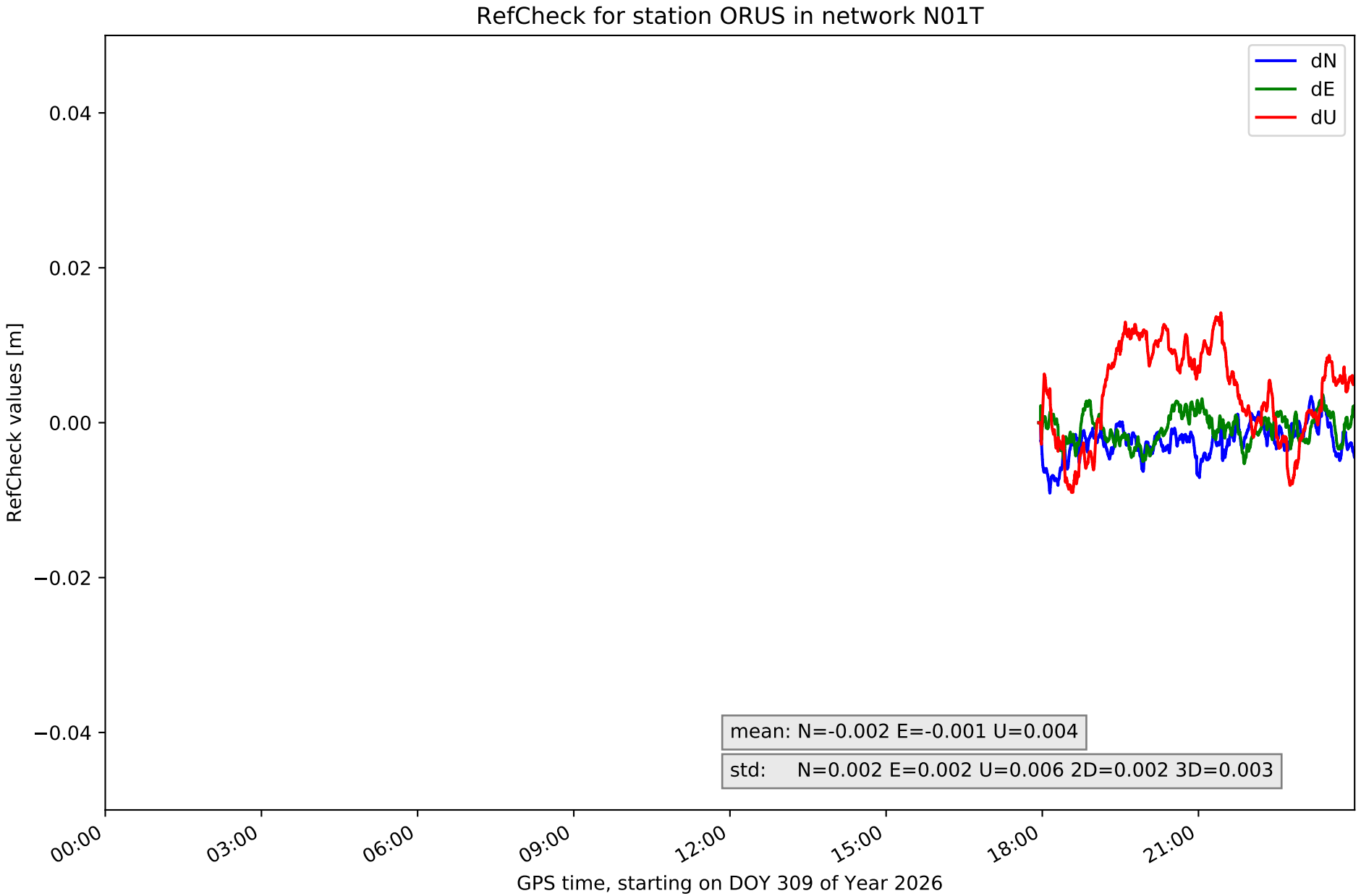

RefCheck for station GMSR in network N01T
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.001 E=0.001 U=0.001
std: N=0.002 E=0.001 U=0.002 2D=0.001 3D=0.002
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

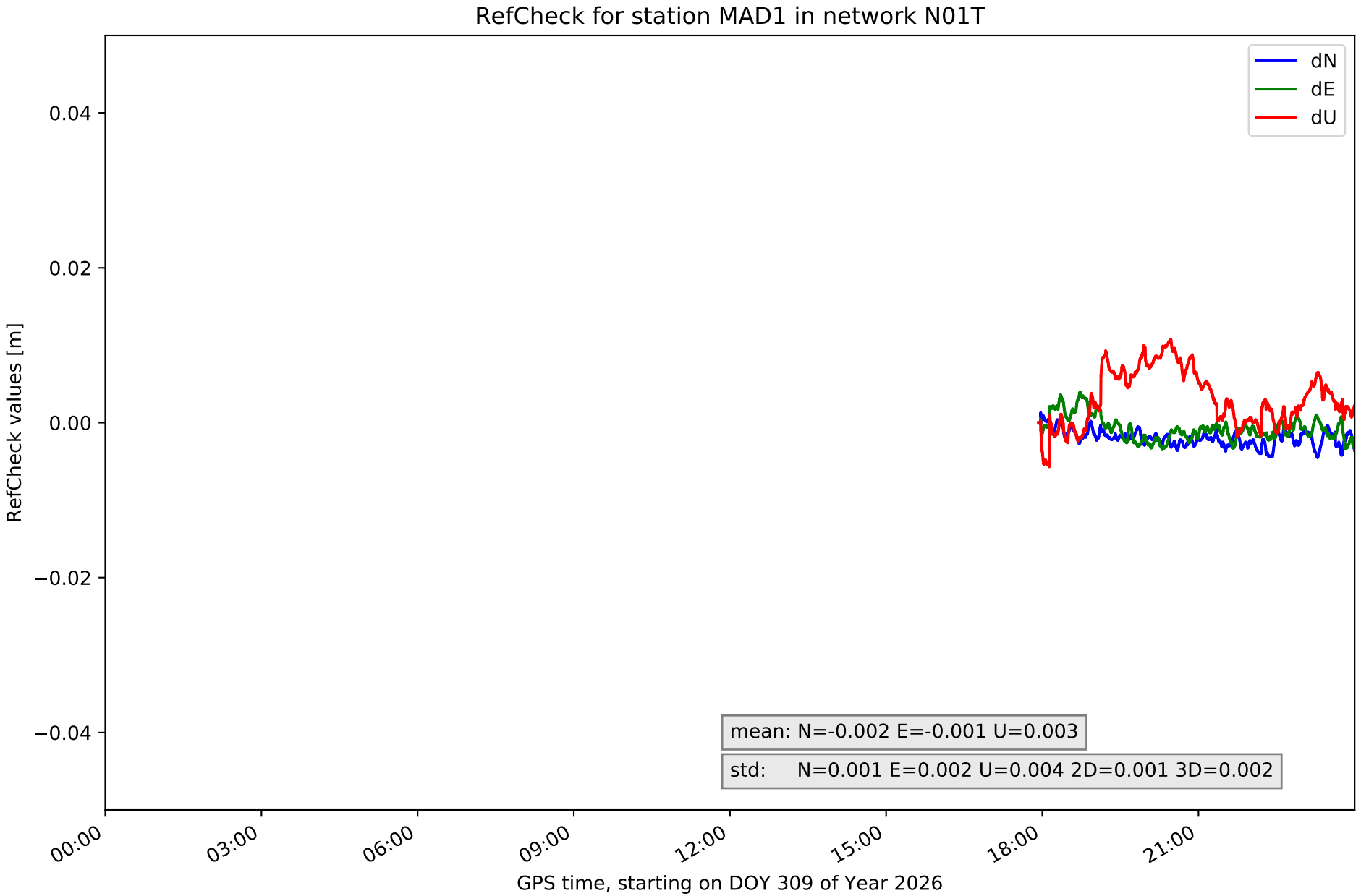

RefCheck for station IGNE in network N01T
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.001 E=-0.002 U=0.0
std: N=0.001 E=0.001 U=0.003 2D=0.001 3D=0.001
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

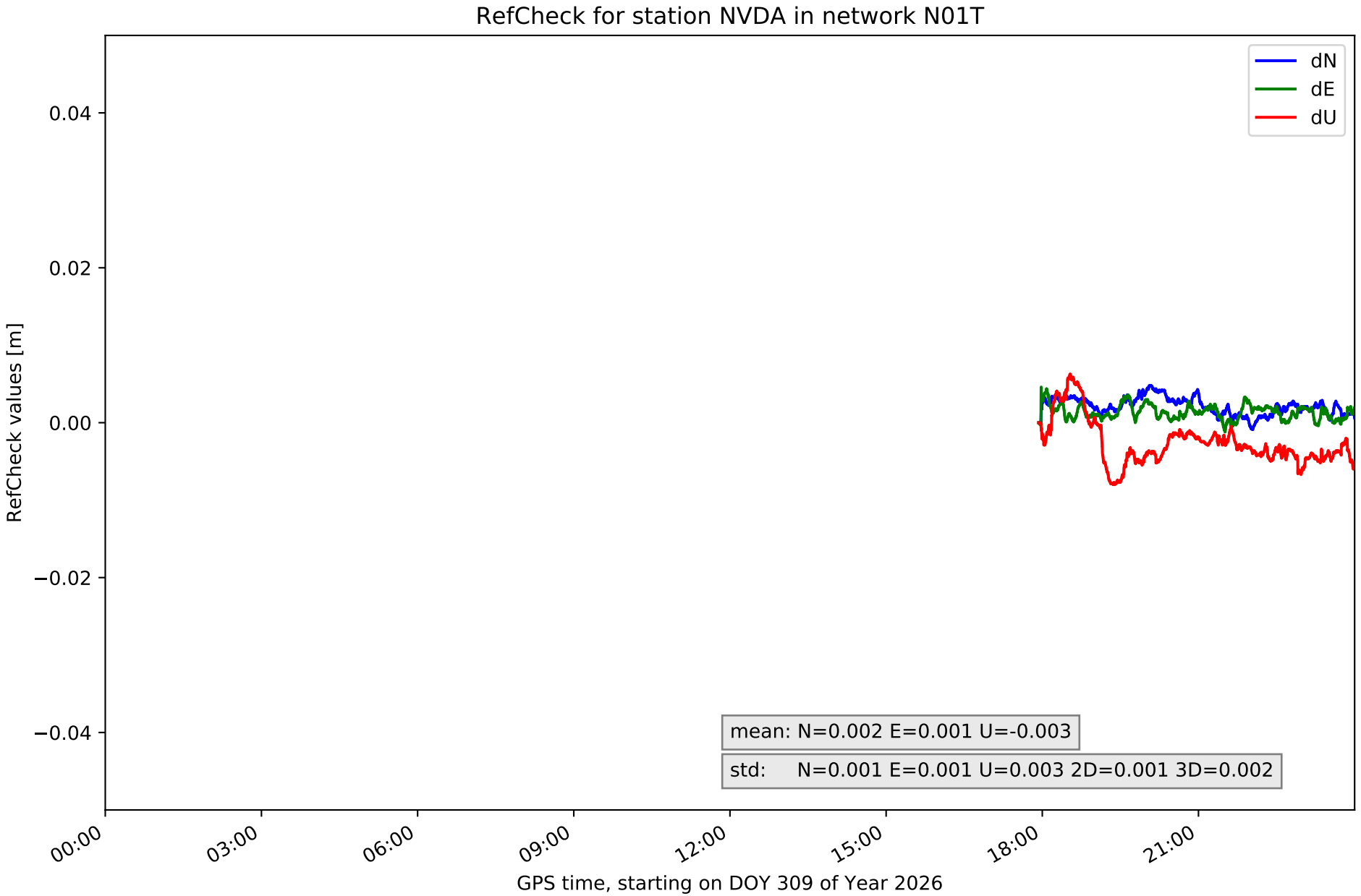

RefCheck for station LABG in network N01T
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.005 E=-0.002 U=0.006
std: N=0.003 E=0.003 U=0.007 2D=0.003 3D=0.006
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

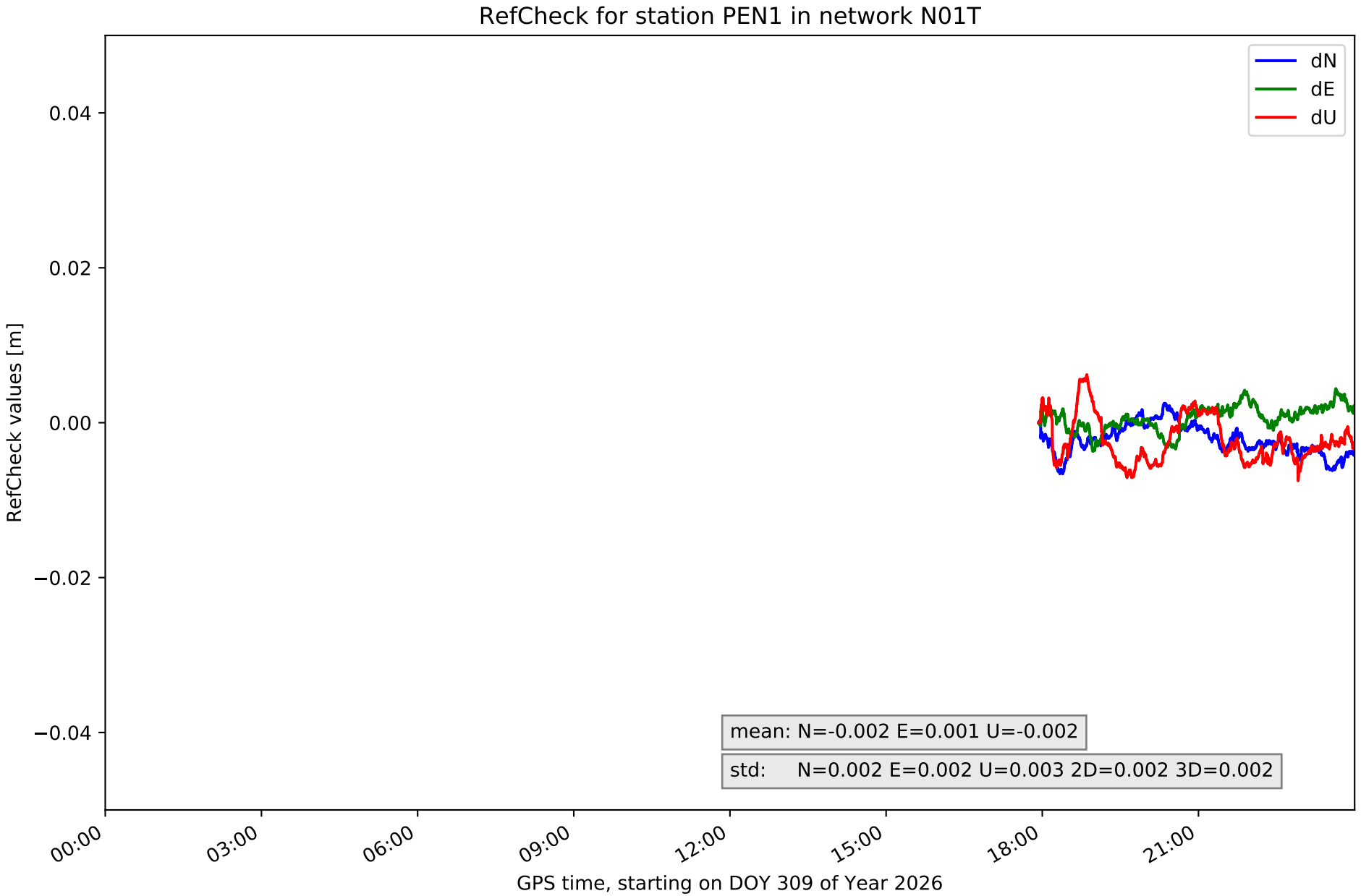

RefCheck for station LAB1 in network N01T
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.005 E=-0.004 U=0.003
std: N=0.003 E=0.003 U=0.007 2D=0.003 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

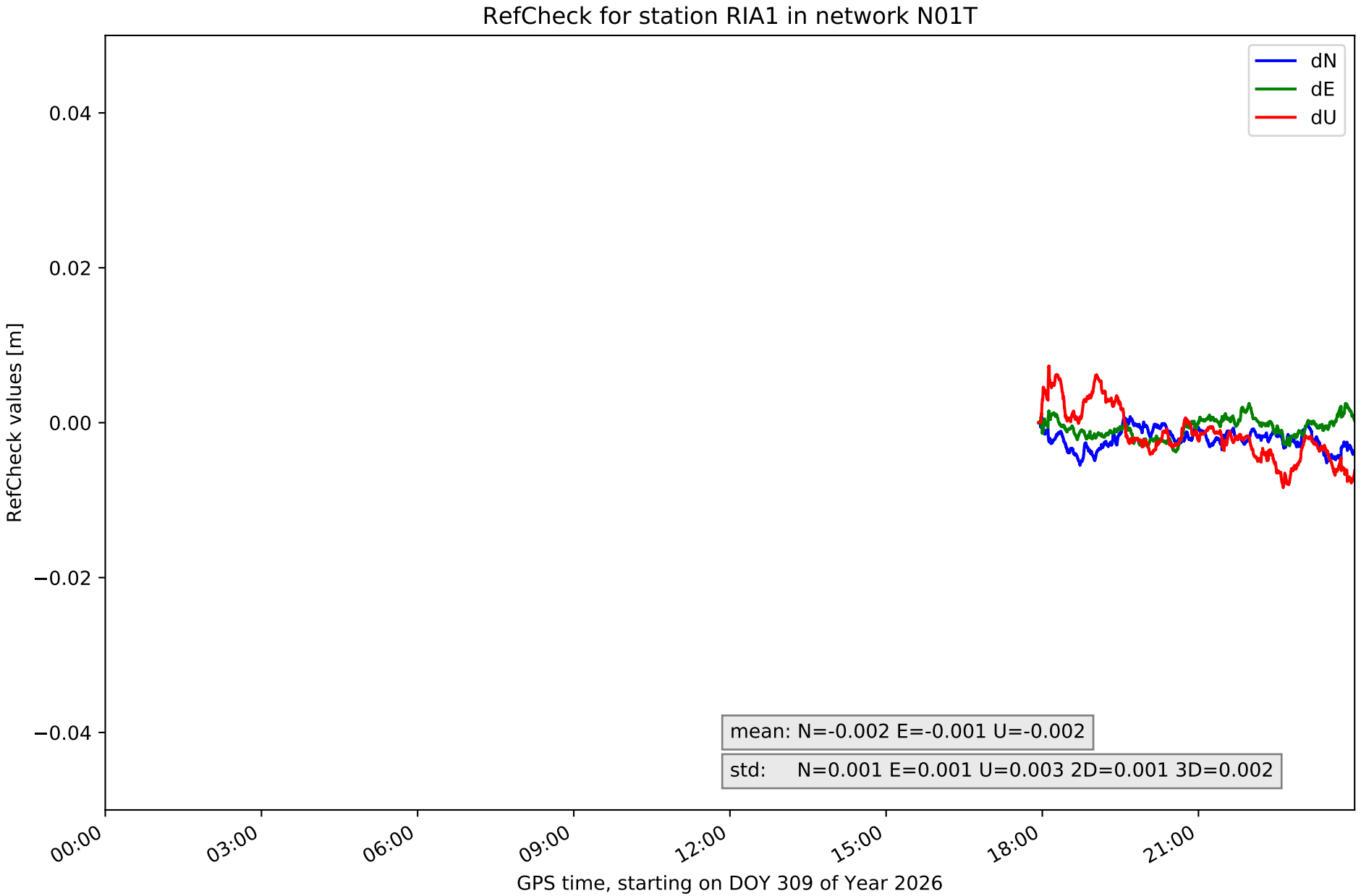

RefCheck for station OLM1 in network N01T
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=0.001 U=-0.004
std: N=0.002 E=0.001 U=0.003 2D=0.001 3D=0.002
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

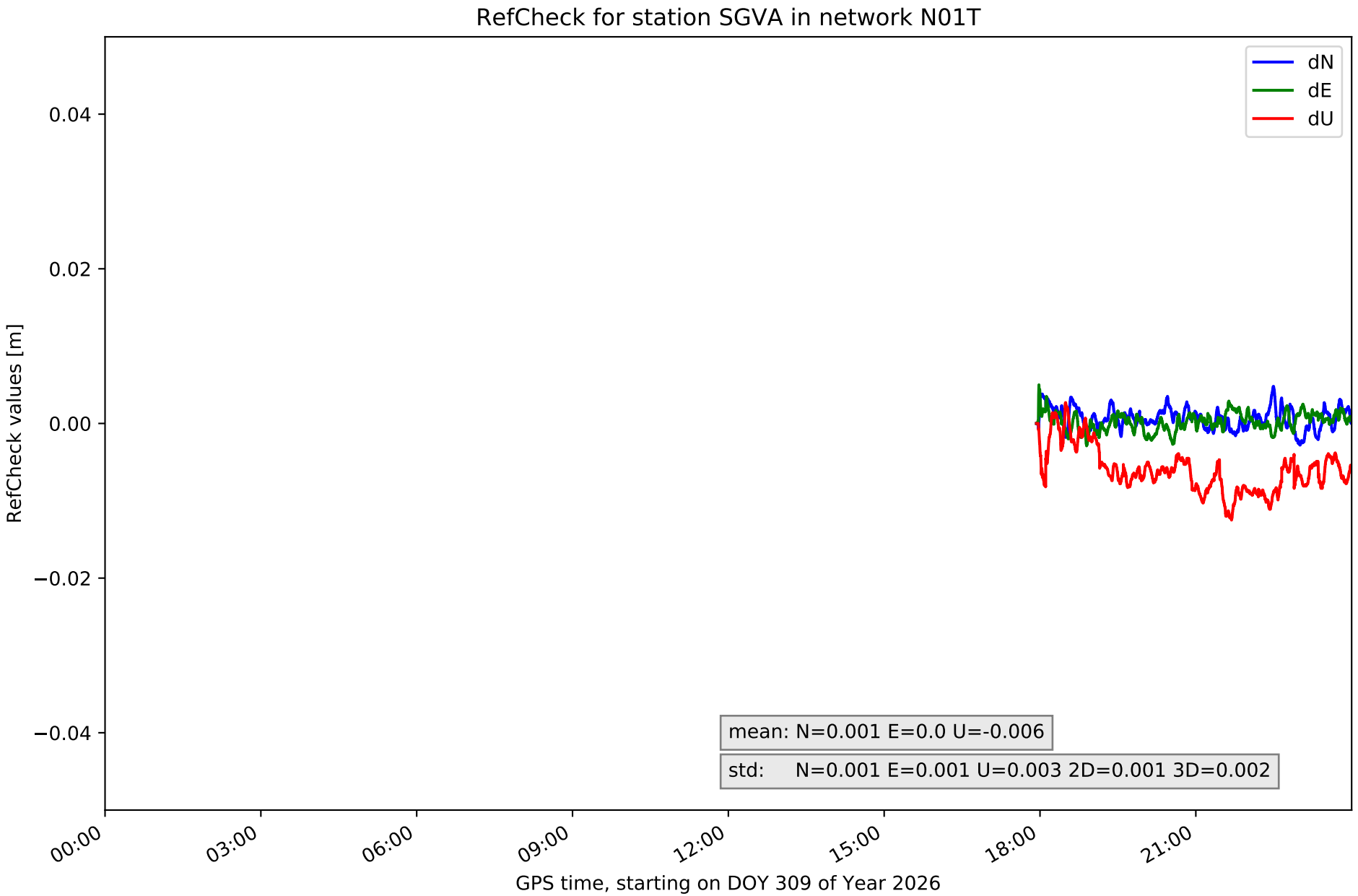

RefCheck for station ORUS in network N01T
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.002 E=-0.001 U=0.004
std: N=0.002 E=0.002 U=0.006 2D=0.002 3D=0.003
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

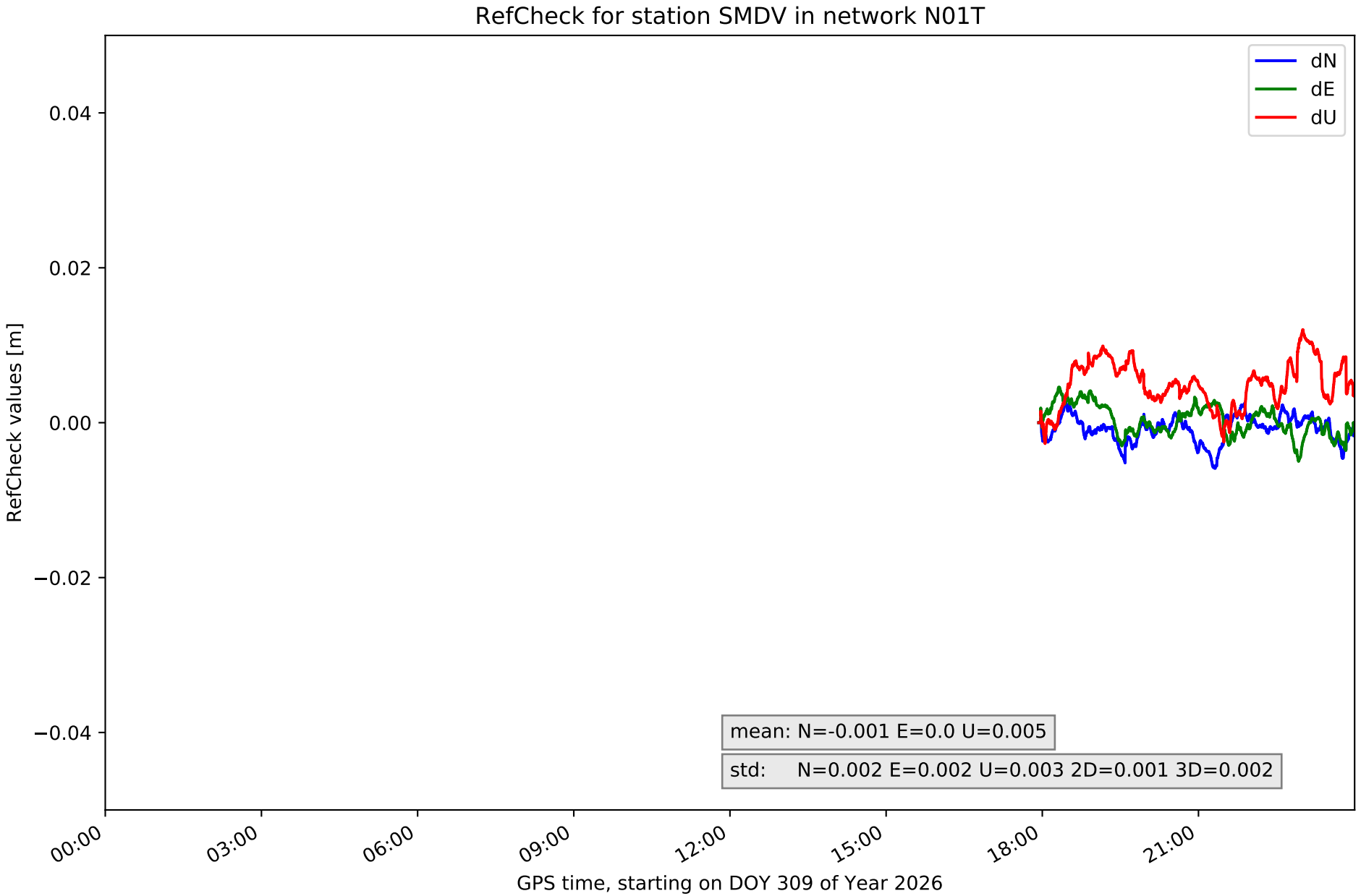

RefCheck for station MAD1 in network N01T
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.002 E=-0.001 U=0.003
std: N=0.001 E=0.002 U=0.004 2D=0.001 3D=0.002
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

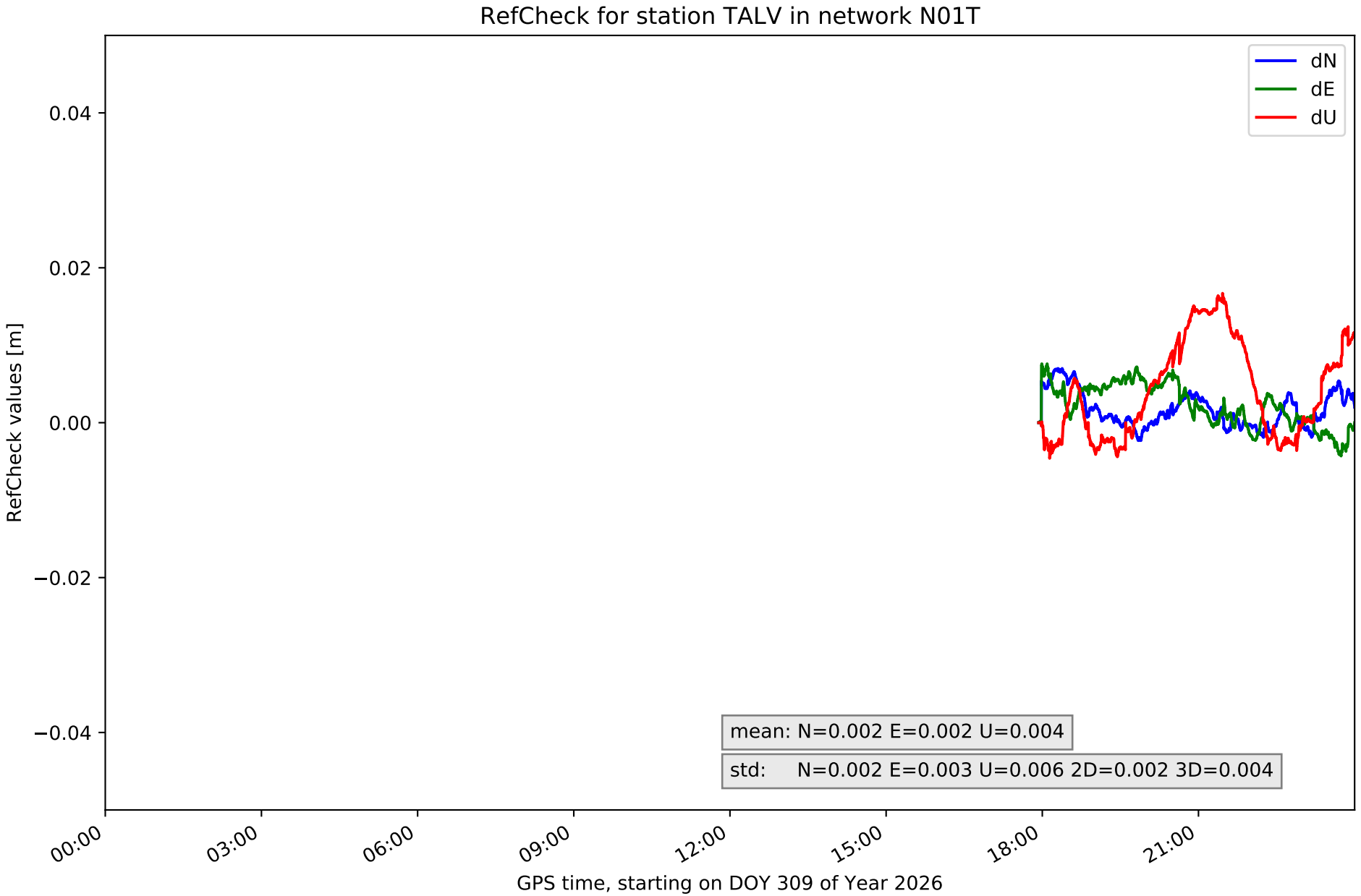

RefCheck for station NVDA in network N01T
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=0.001 U=-0.003
std: N=0.001 E=0.001 U=0.003 2D=0.001 3D=0.002
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

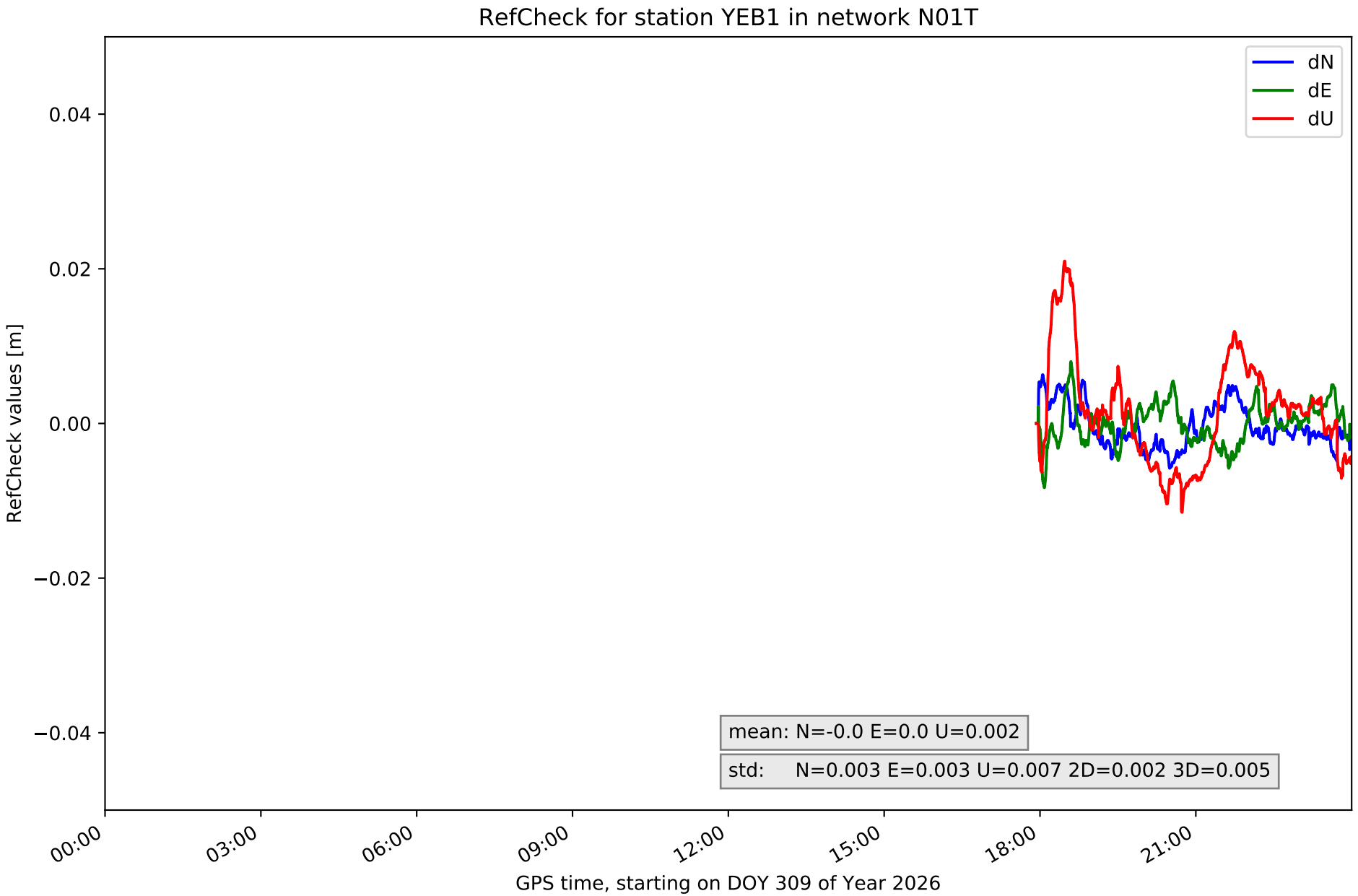

RefCheck for station PEN1 in network N01T
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.002 E=0.001 U=-0.002
std: N=0.002 E=0.002 U=0.003 2D=0.002 3D=0.002
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026


RefCheck for station RIA1 in network N01T
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.002 E=-0.001 U=-0.002
std: N=0.001 E=0.001 U=0.003 2D=0.001 3D=0.002
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026


RefCheck for station SGVA in network N01T
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.001 E=0.0 U=-0.006
std: N=0.001 E=0.001 U=0.003 2D=0.001 3D=0.002
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026


RefCheck for station SMDV in network N01T
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.001 E=0.0 U=0.005
std: N=0.002 E=0.002 U=0.003 2D=0.001 3D=0.002
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026


RefCheck for station TALV in network N01T
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=0.002 U=0.004
std: N=0.002 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 309 of Year 2026


RefCheck for station YEB1 in network N01T
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.0 E=0.0 U=0.002
std: N=0.003 E=0.003 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 309 of Year 2026

# RefCheck values for network N01T

| Station | Nmin | Nmax | Nstd | Emin | Emax | Estd | Umin | Umax | Ustd | std2D | std3D | #2D > 0.01 | % 2D > 0.01 | #3D > 0.02 | % 3D > 0.02 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ALMZ | -0.007 | 0.001 | 0.002 | -0.004 | 0.006 | 0.002 | -0.013 | 0.003 | 0.004 | 0.002 | 0.003 | 0 | 0.0 | 0 | 0.0 |
| ARAJ | -0.008 | 0.009 | **0.003** | -0.007 | 0.004 | 0.002 | -0.01 | 0.01 | 0.005 | 0.002 | 0.002 | 0 | 0.0 | 0 | 0.0 |
| ARSP | -0.001 | 0.008 | 0.002 | -0.003 | 0.006 | 0.002 | **-0.016** | 0.001 | 0.004 | 0.002 | 0.003 | 0 | 0.0 | 0 | 0.0 |
| AVI2 | -0.002 | 0.006 | 0.001 | -0.002 | 0.007 | 0.001 | -0.006 | 0.01 | 0.003 | 0.001 | 0.001 | 0 | 0.0 | 0 | 0.0 |
| BUIT | **-0.012** | -0.0 | 0.001 | -0.007 | 0.002 | 0.002 | -0.009 | 0.005 | 0.003 | 0.001 | 0.002 | **3970** | **22.5** | 0 | 0.0 |
| GMSR | -0.005 | 0.003 | 0.002 | -0.003 | 0.005 | 0.001 | -0.003 | 0.006 | 0.002 | 0.001 | 0.002 | 0 | 0.0 | 0 | 0.0 |
| IGNE | -0.006 | 0.002 | 0.001 | -0.006 | 0.002 | 0.001 | -0.006 | 0.007 | 0.003 | 0.001 | 0.001 | 0 | 0.0 | 0 | 0.0 |
| LABG | -0.002 | 0.012 | **0.003** | -0.008 | 0.004 | **0.003** | -0.006 | **0.023** | **0.007** | **0.003** | **0.006** | 1801 | 10.2 | **1072** | **6.1** |
| LAB1 | -0.002 | **0.015** | **0.003** | **-0.012** | 0.005 | **0.003** | -0.011 | 0.018 | **0.007** | **0.003** | 0.004 | 3202 | 18.1 | 0 | 0.0 |
| OLM1 | -0.001 | 0.006 | 0.002 | -0.003 | 0.004 | 0.001 | -0.01 | 0.007 | 0.003 | 0.001 | 0.002 | 0 | 0.0 | 0 | 0.0 |
| ORUS | -0.009 | 0.003 | 0.002 | -0.005 | 0.004 | 0.002 | -0.009 | 0.014 | 0.006 | 0.002 | 0.003 | 0 | 0.0 | 0 | 0.0 |
| MAD1 | -0.004 | 0.001 | 0.001 | -0.004 | 0.004 | 0.002 | -0.006 | 0.011 | 0.004 | 0.001 | 0.002 | 0 | 0.0 | 0 | 0.0 |
| NVDA | -0.001 | 0.005 | 0.001 | -0.001 | 0.005 | 0.001 | -0.008 | 0.006 | 0.003 | 0.001 | 0.002 | 0 | 0.0 | 0 | 0.0 |
| PEN1 | -0.007 | 0.003 | 0.002 | -0.004 | 0.004 | 0.002 | -0.007 | 0.006 | 0.003 | 0.002 | 0.002 | 0 | 0.0 | 0 | 0.0 |
| RIA1 | -0.005 | 0.001 | 0.001 | -0.004 | 0.003 | 0.001 | -0.008 | 0.007 | 0.003 | 0.001 | 0.002 | 0 | 0.0 | 0 | 0.0 |
| SGVA | -0.003 | 0.005 | 0.001 | -0.003 | 0.005 | 0.001 | -0.013 | 0.003 | 0.003 | 0.001 | 0.002 | 0 | 0.0 | 0 | 0.0 |
| SMDV | -0.006 | 0.003 | 0.002 | -0.005 | 0.005 | 0.002 | -0.003 | 0.012 | 0.003 | 0.001 | 0.002 | 0 | 0.0 | 0 | 0.0 |
| TALV | -0.002 | 0.007 | 0.002 | -0.004 | **0.008** | **0.003** | -0.005 | 0.017 | 0.006 | 0.002 | 0.004 | 0 | 0.0 | 0 | 0.0 |
| YEB1 | -0.006 | 0.006 | **0.003** | -0.008 | **0.008** | **0.003** | -0.011 | 0.021 | **0.007** | 0.002 | 0.005 | 0 | 0.0 | 489 | 2.8 |
| **Mean** | **-0.005** | **0.005** | **0.002** | **-0.005** | **0.005** | **0.002** | **-0.008** | **0.01** | **0.004** | **0.002** | **0.003** | **472.3** | **2.7** | **82.2** | **0.5** |
| **Min/Max** | **-0.012** | **0.015** | **0.003** | **-0.012** | **0.008** | **0.003** | **-0.016** | **0.023** | **0.007** | **0.003** | **0.006** | **3970** | **22.5** | **1072** | **6.1** |

# fixing statistic for network N01T

| fixing percentage of | all GNSS | G | R | E | C |
|---|---|---|---|---|---|
| using threshold 0.3 | 94.6 | 95.0 | 96.8 | 94.7 | 92.7 |
| considering satellites with dual-frequency fixed | 92.5 | 93.9 | 95.6 | 93.2 | 87.6 |
| considering all signals separately | 92.3 | 94.1 | 95.6 | 93.7 | 85.1 |