summary for network NET1

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

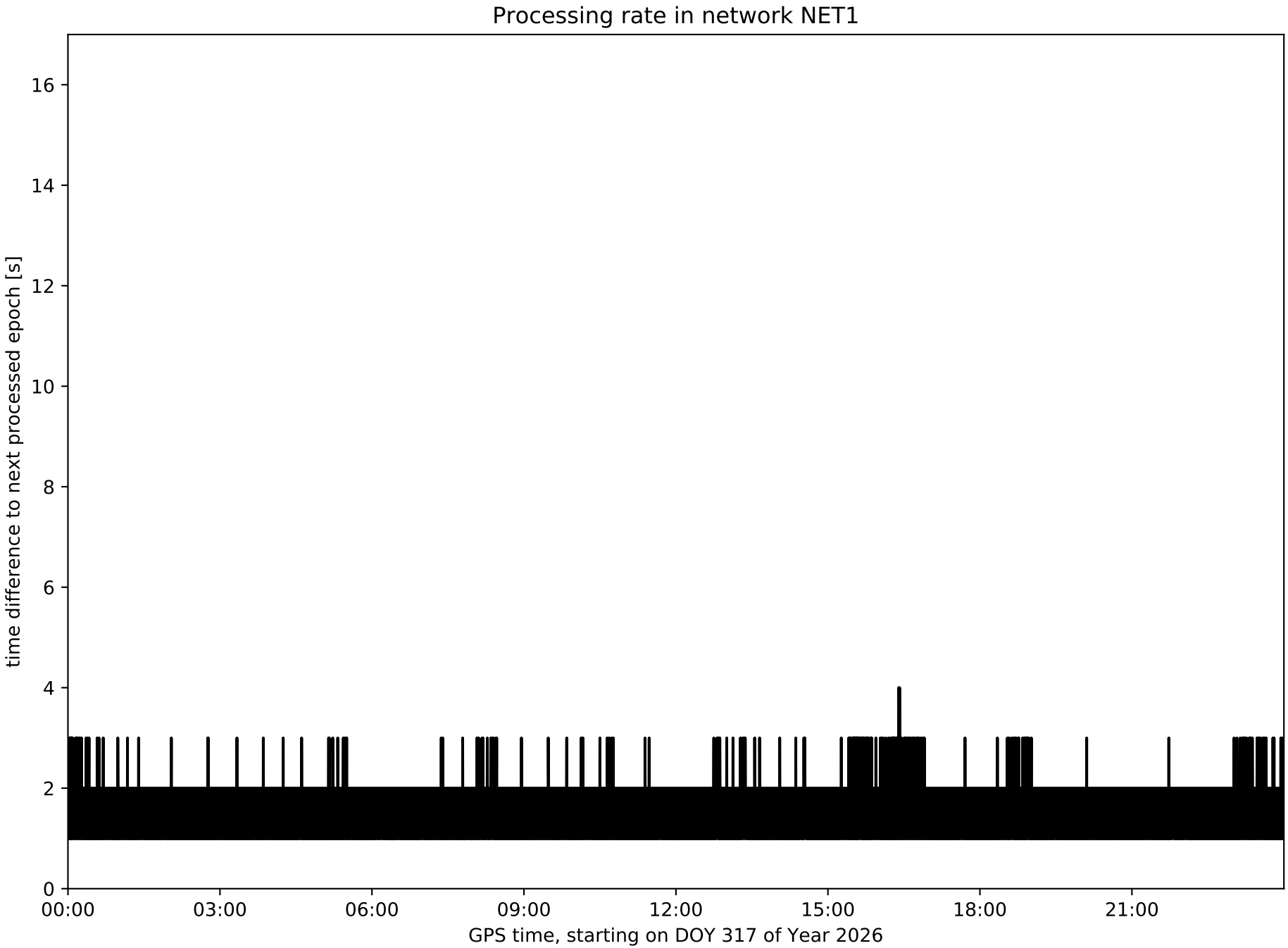
average update rate (durations larger than 15 seconds considered as observation gap): 1.2 seconds

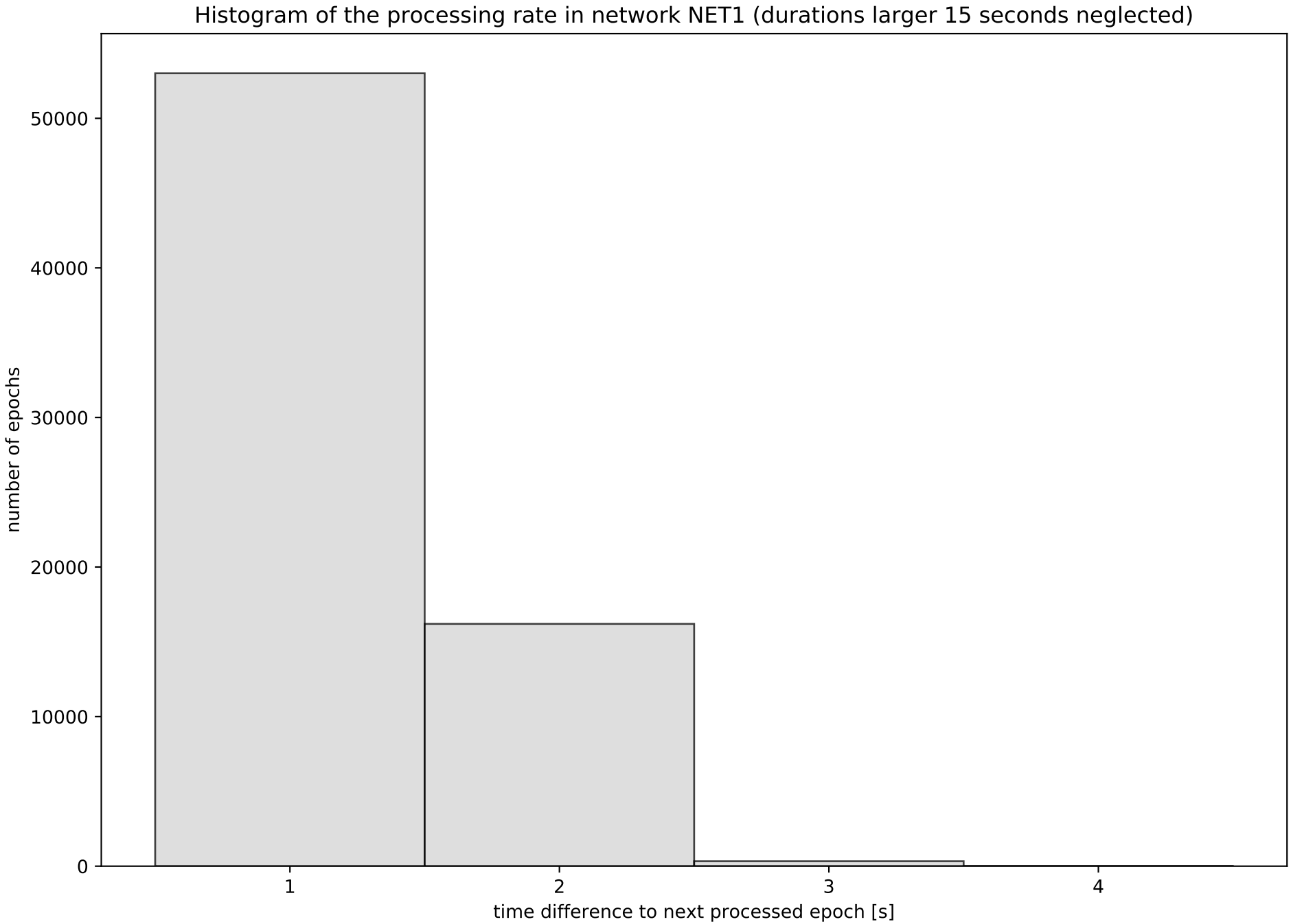
average fixing percentage with threshold set to 0.3: 94.6 percent

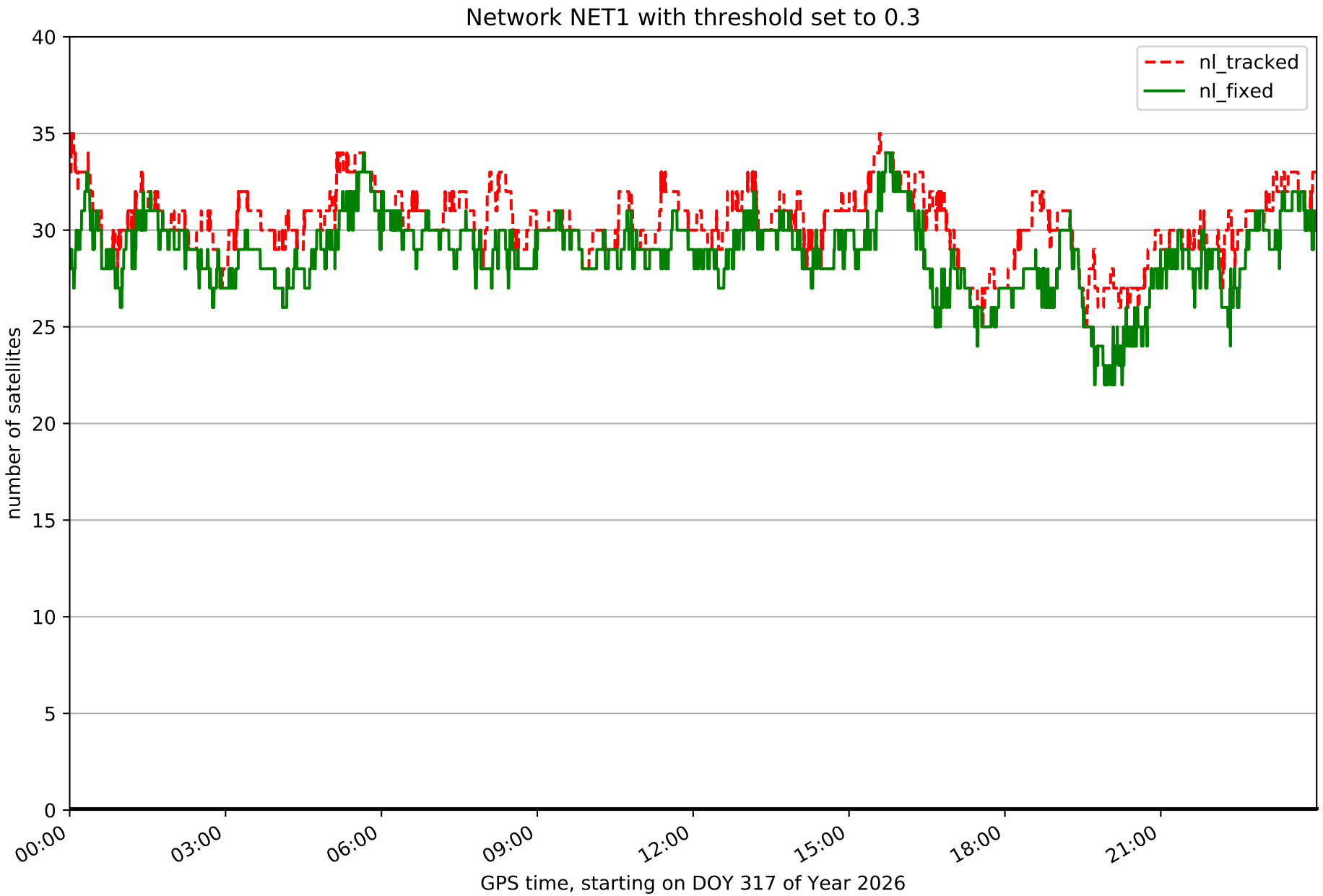
stations available: 17 of 17

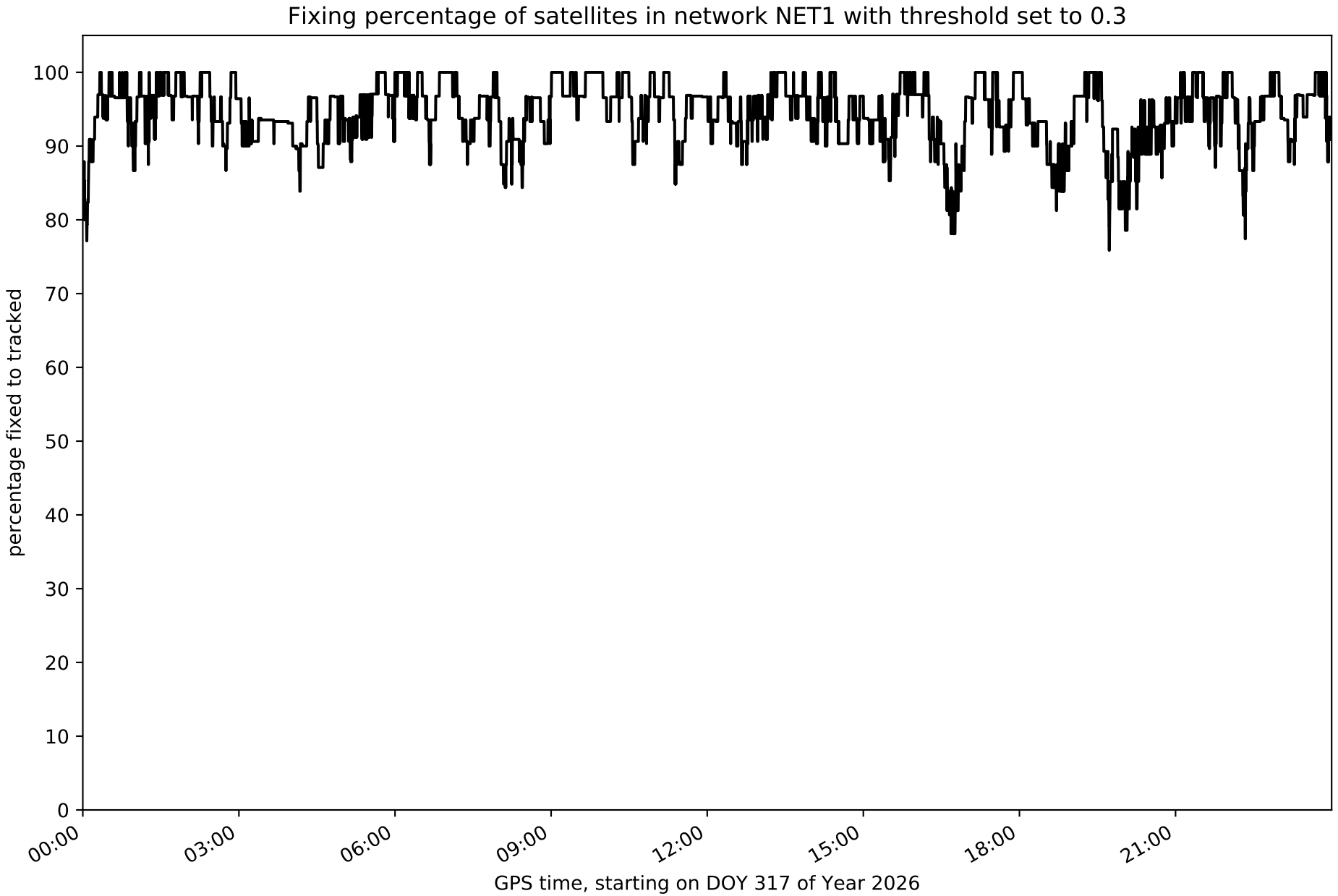
station information:

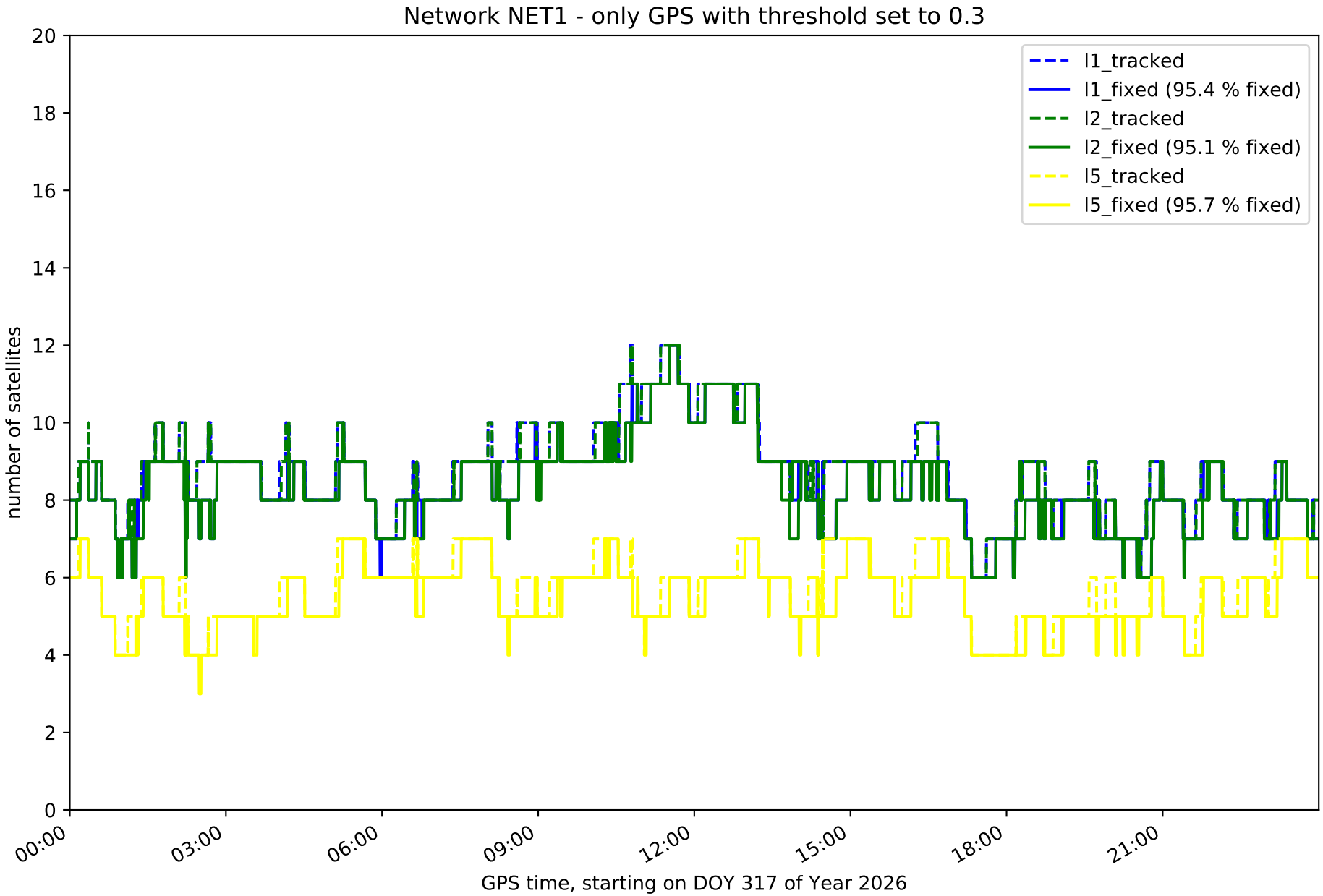
station ALMZ:	antenna: LEIAR20	LEIM	receiver: LEICA GR50	height: 1019.454
station ARAJ:	antenna: LEIAR20	LEIM	receiver: LEICA GR50	height: 580.917
station ARSP:	antenna: GPPNULLANTENNA	NONE	receiver: LEICA GR50	height: 638.139
station AVI2:	antenna: TRM59900.00	SCIS	receiver: TRIMBLE NETR9	height: 1206.511
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 MAD1:	antenna: LEIAR20	LEIM	receiver: LEICA GR50	height: 724.477
station NVDA:	antenna: GPPNULLANTENNA	NONE	receiver: TRIMBLE R750	height: 933.477
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 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

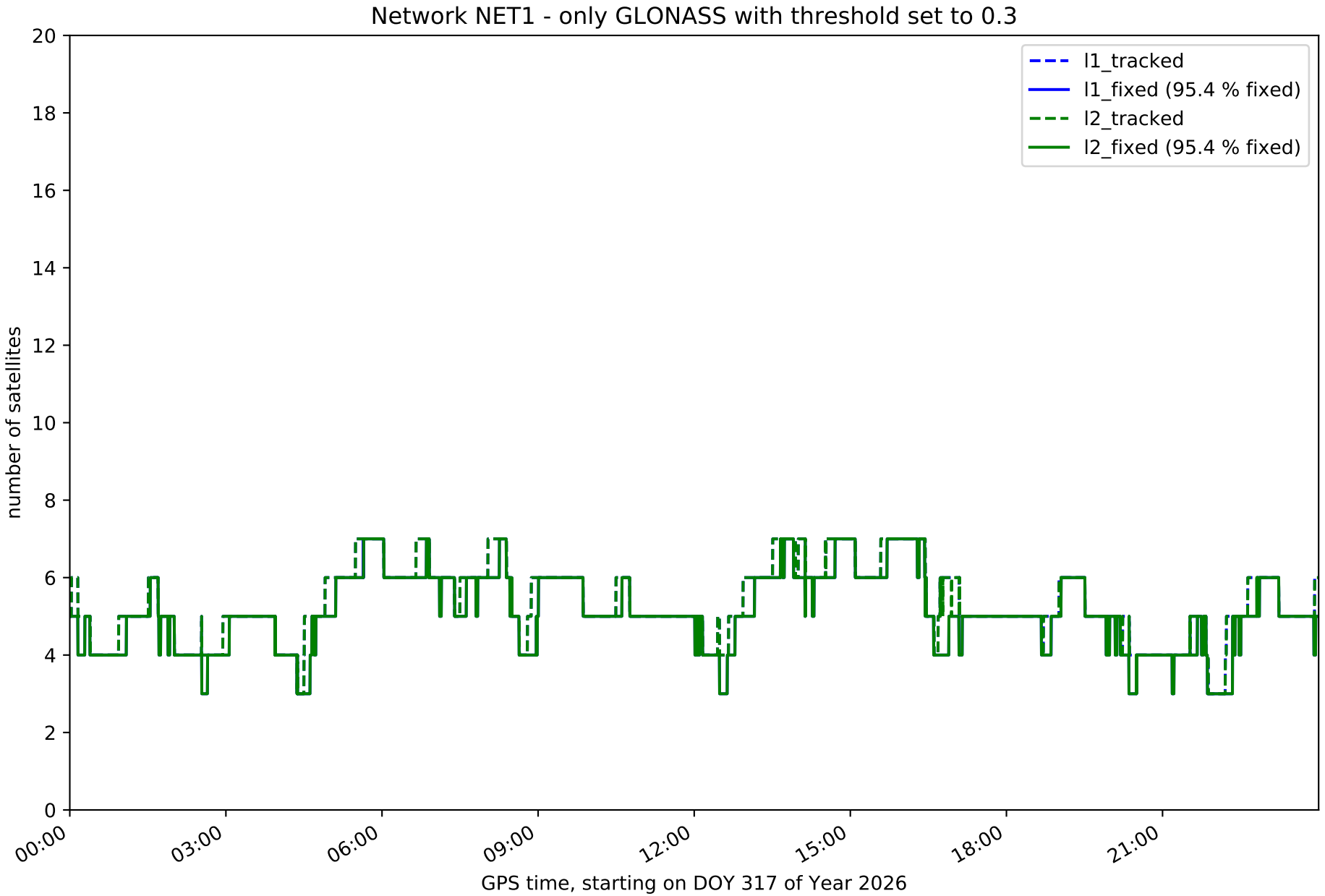

Processing rate in network NET1
time difference to next processed epoch [s]
0
2
4
6
8
10
12
14
16
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

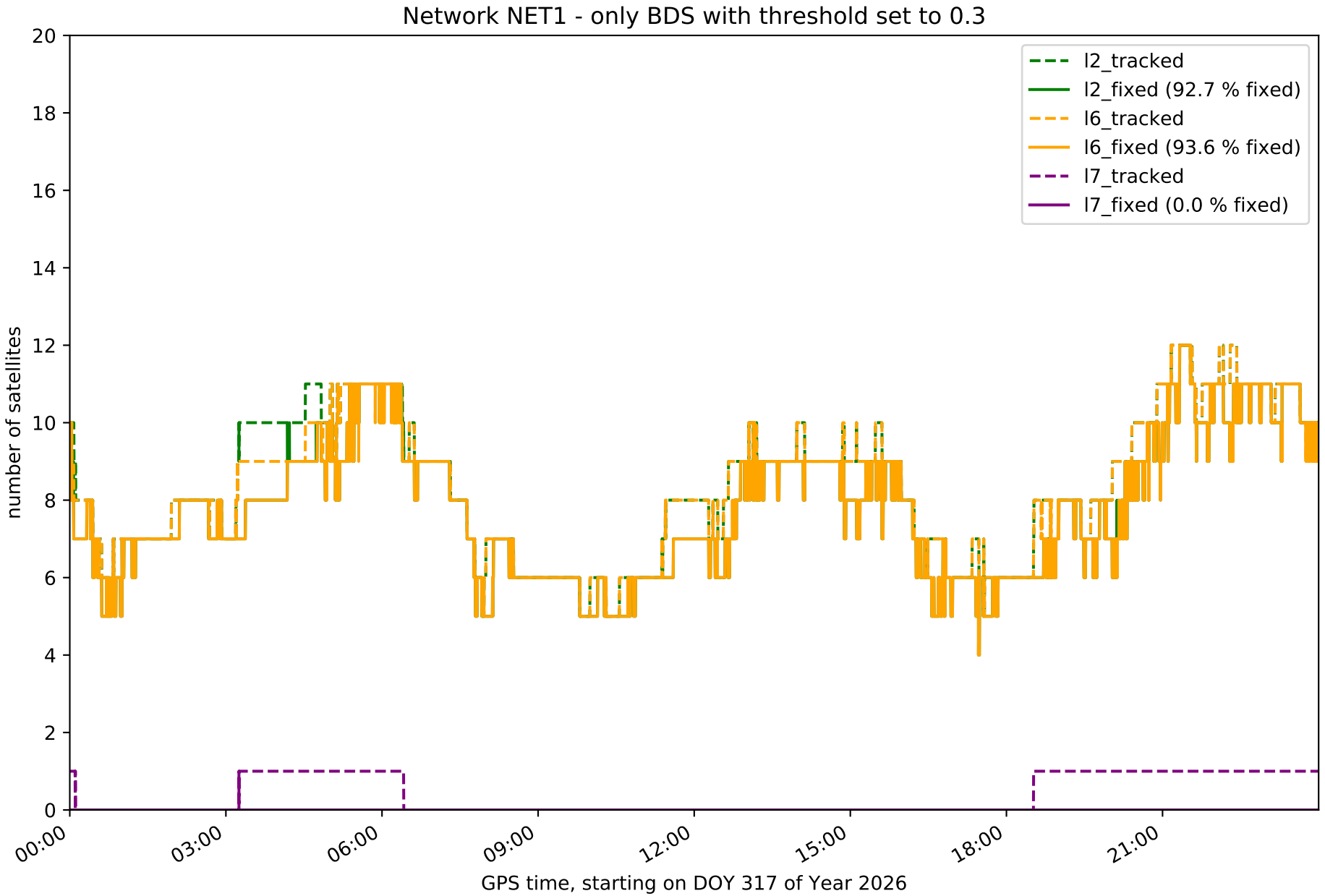

Histogram of the processing rate in network NET1 (durations larger 15 seconds neglected)
number of epochs
0
10000
20000
30000
40000
50000
1
2
3
4
time difference to next processed epoch [s]

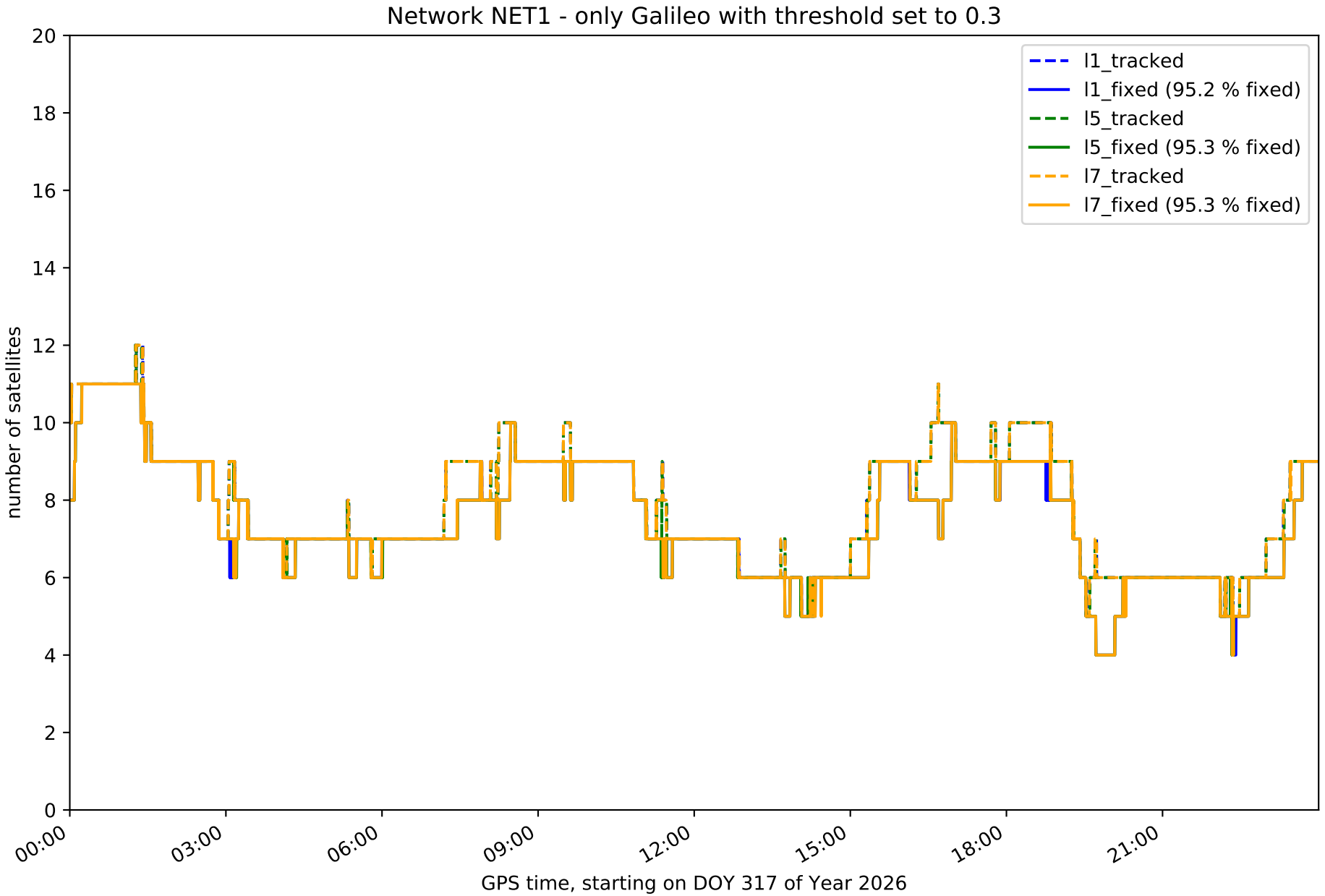

Network NET1 with threshold set to 0.3
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
40
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

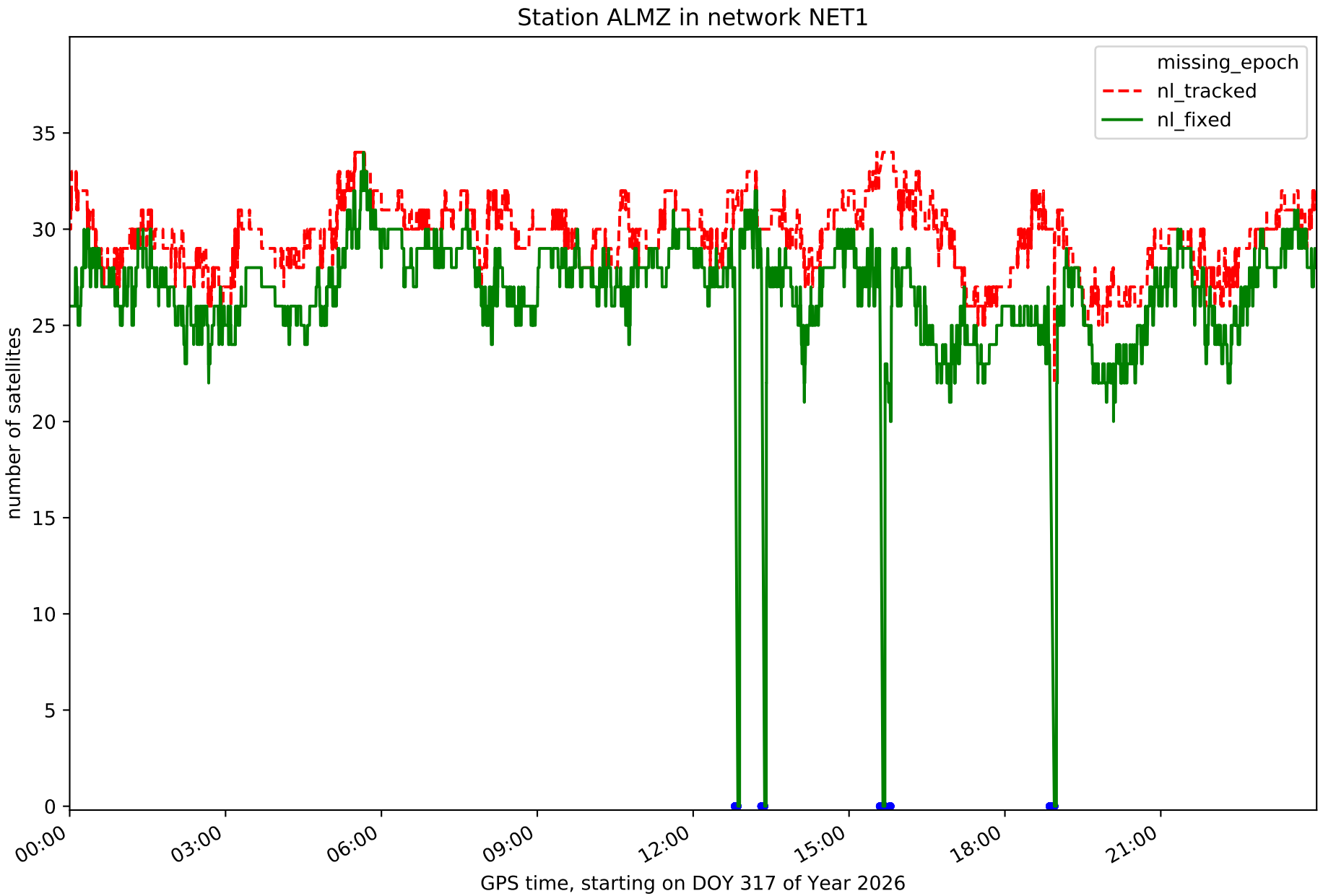

Fixing percentage of satellites in network NET1 with threshold set to 0.3
percentage fixed to tracked
0
10
20
30
40
50
60
70
80
90
100
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

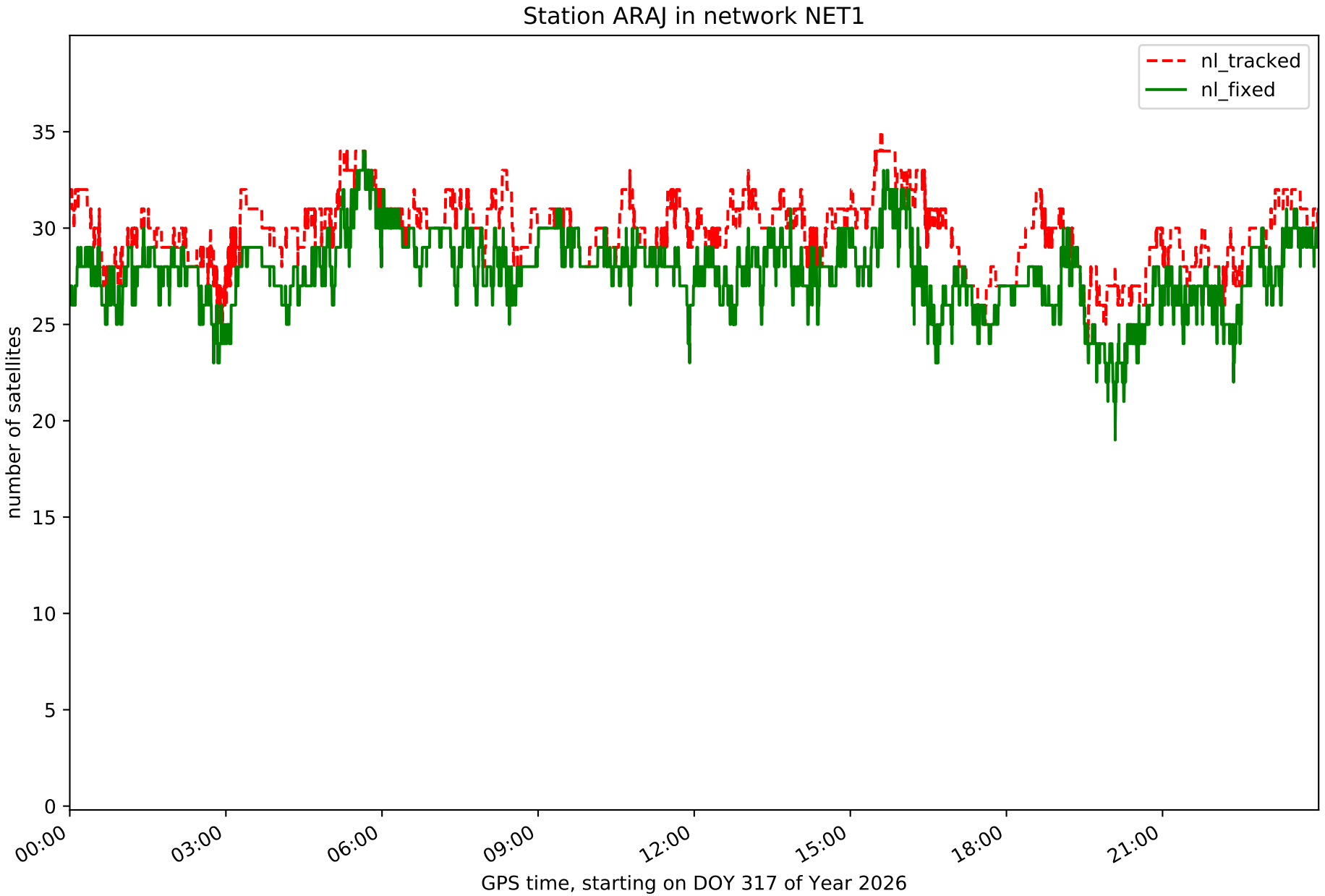

Network NET1 - only GPS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 317 of Year 2026
l1_tracked
l1_fixed (95.4 % fixed)
l2_tracked
l2_fixed (95.1 % fixed)
l5_tracked
l5_fixed (95.7 % fixed)
0
2
4
6
8
10
12
14
16
18
20
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00

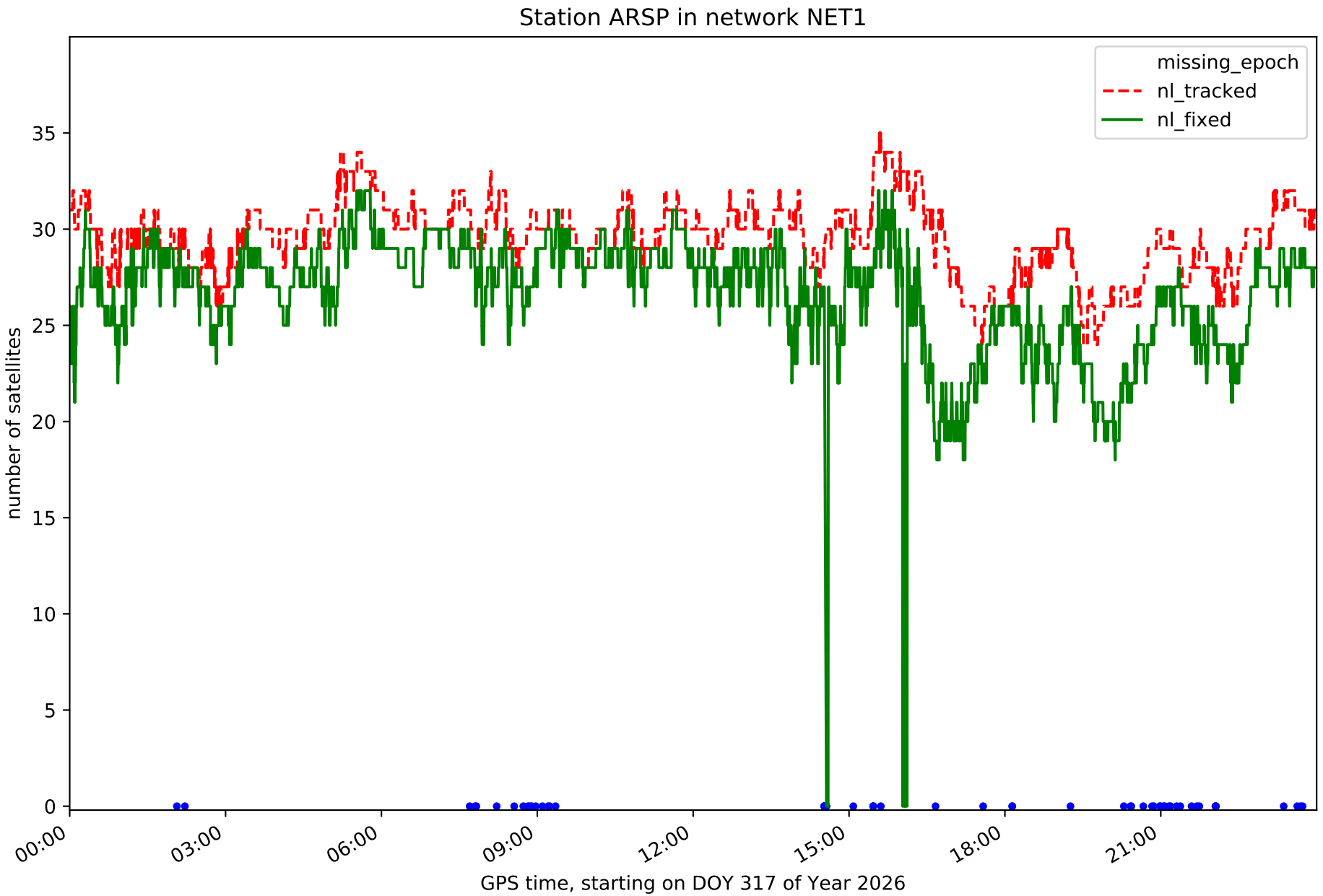

Network NET1 - only GLONASS with threshold set to 0.3
l1_tracked
l1_fixed (95.4 % fixed)
l2_tracked
l2_fixed (95.4 % fixed)
number of satellites
0
2
4
6
8
10
12
14
16
18
20
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

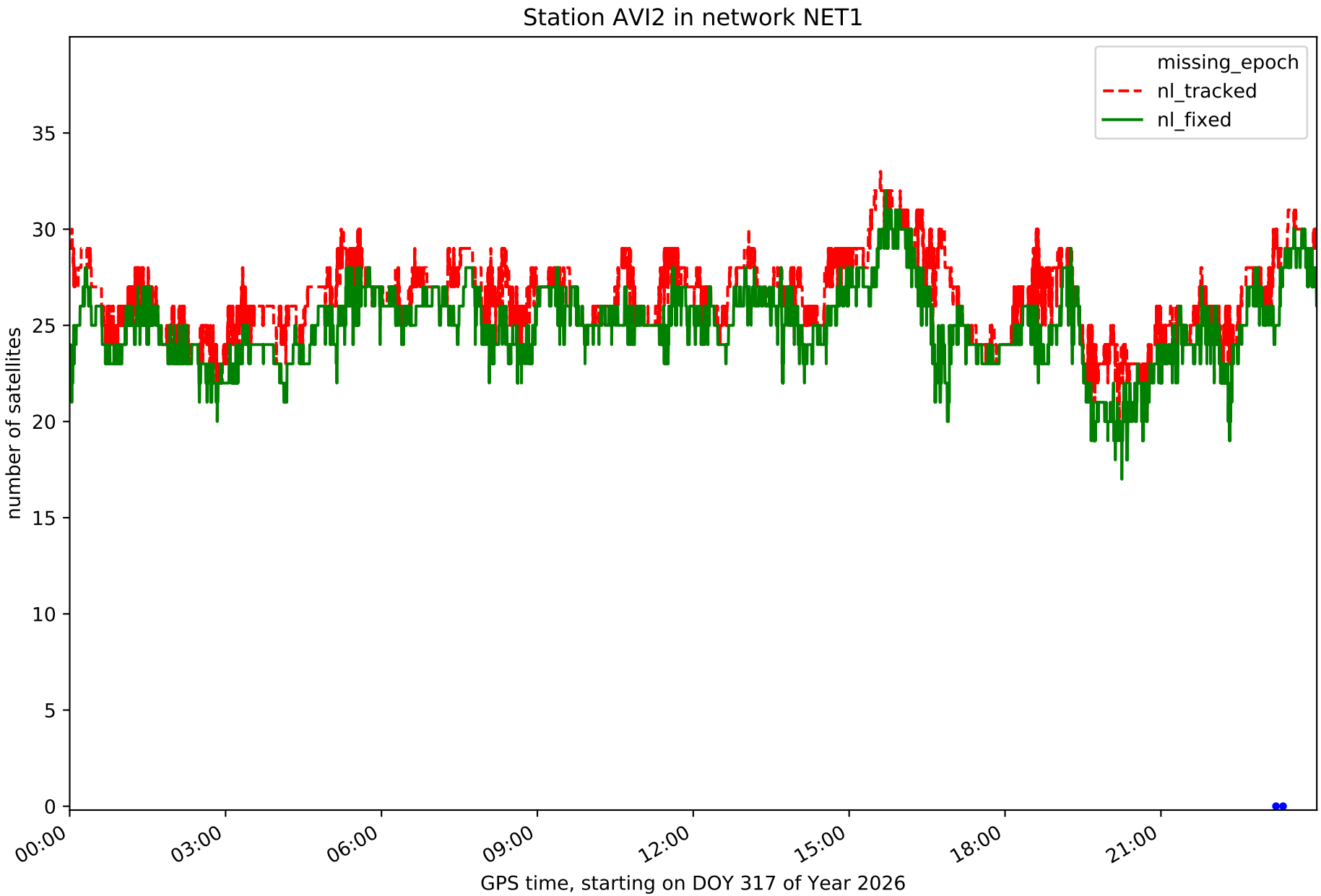

Network NET1 - only BDS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 317 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
I2_tracked
I2_fixed (92.7 % fixed)
I6_tracked
I6_fixed (93.6 % fixed)
I7_tracked
I7_fixed (0.0 % fixed)

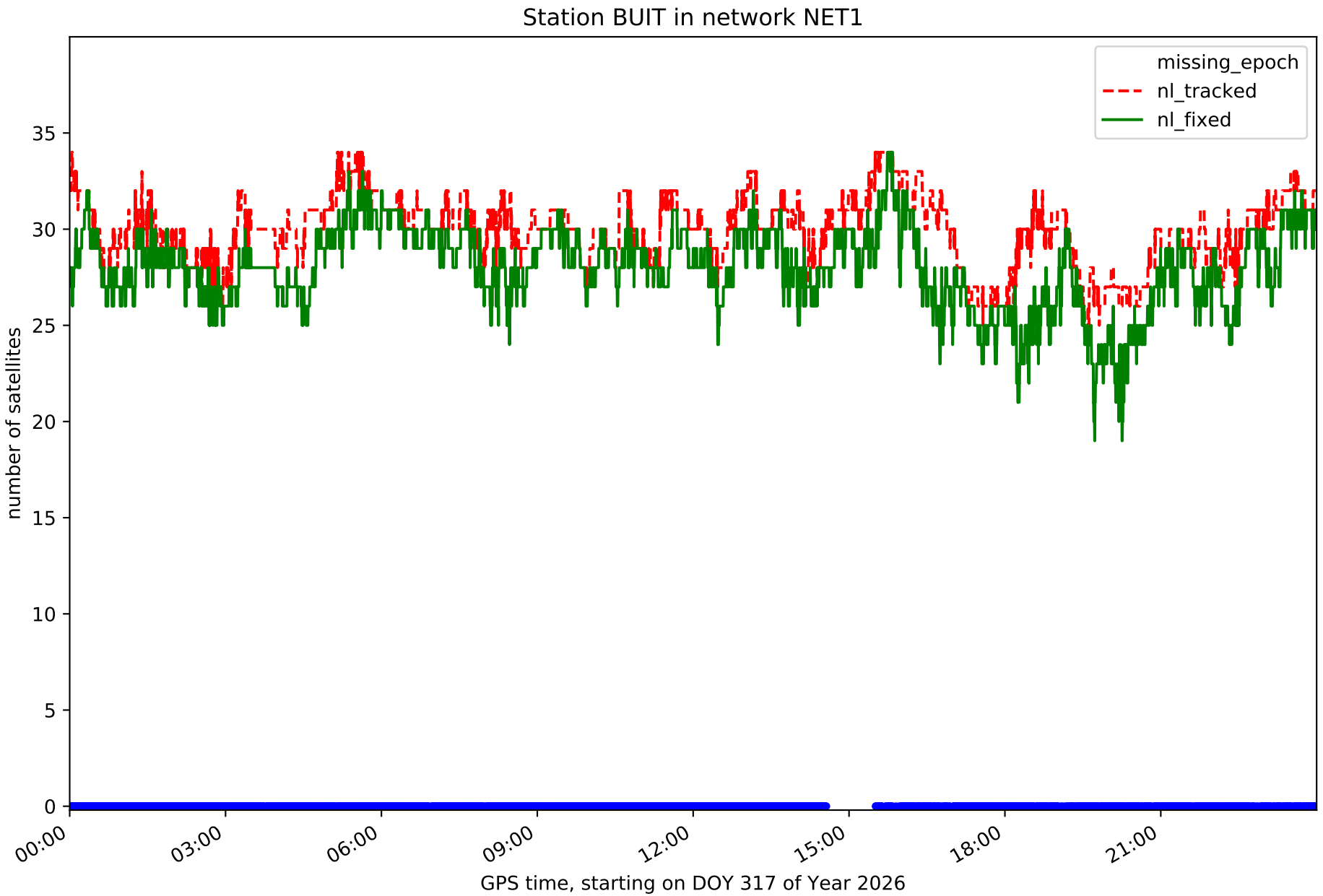

Network NET1 - only Galileo with threshold set to 0.3
number of satellites
GPS time, starting on DOY 317 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
l1_tracked
l1_fixed (95.2 % fixed)
l5_tracked
l5_fixed (95.3 % fixed)
l7_tracked
l7_fixed (95.3 % fixed)

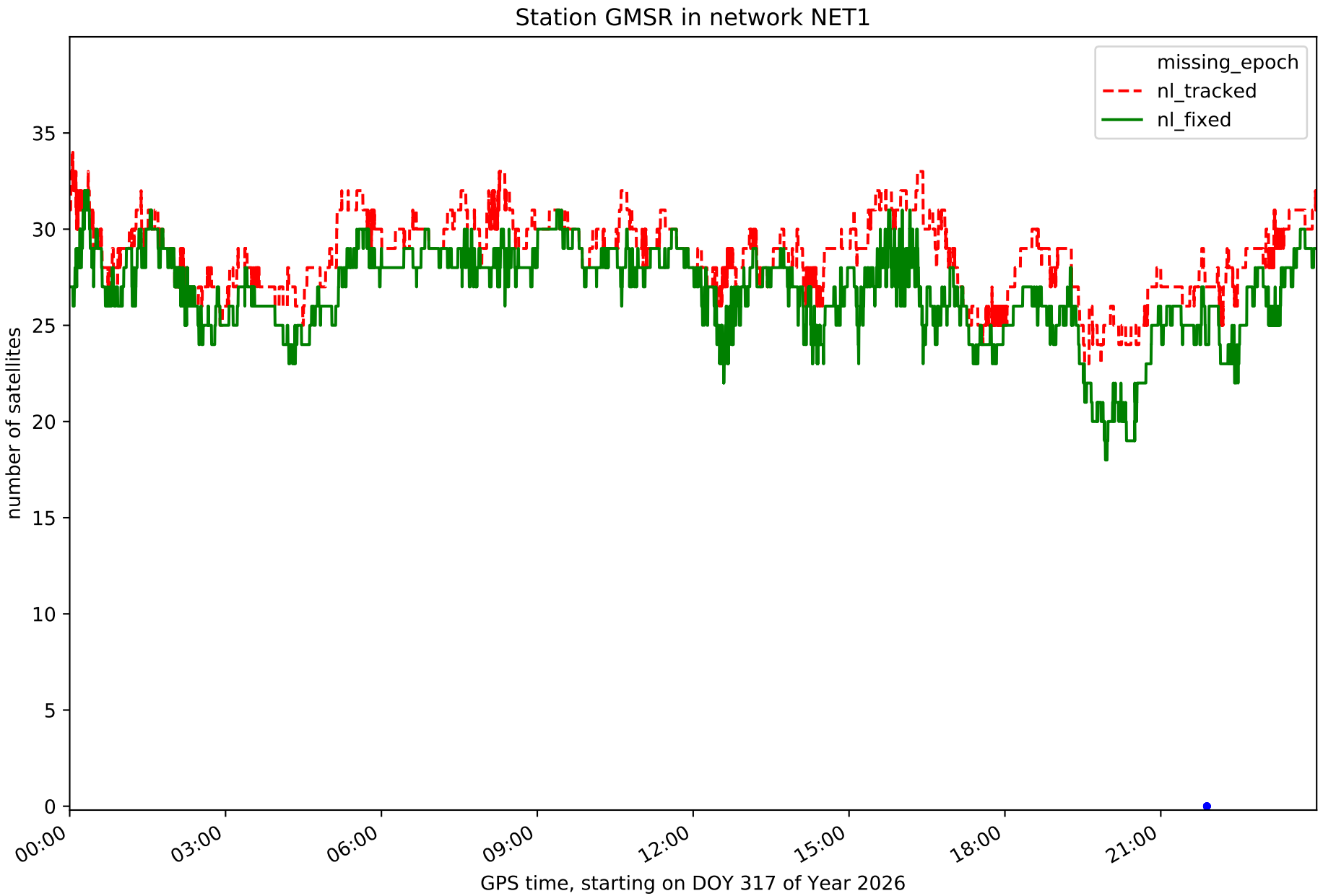

Station ALMZ in network NET1
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

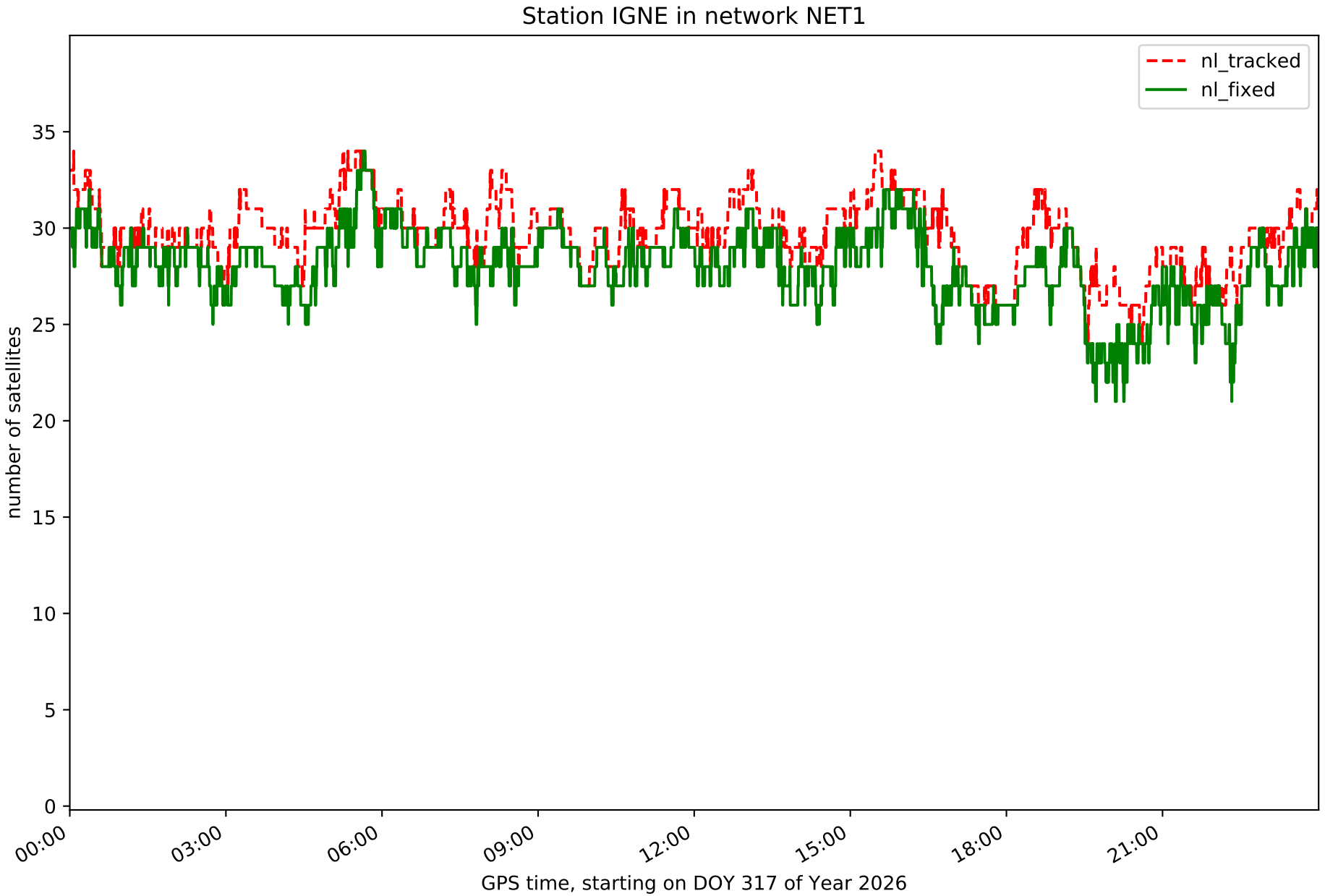

Station ARAJ in network NET1
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

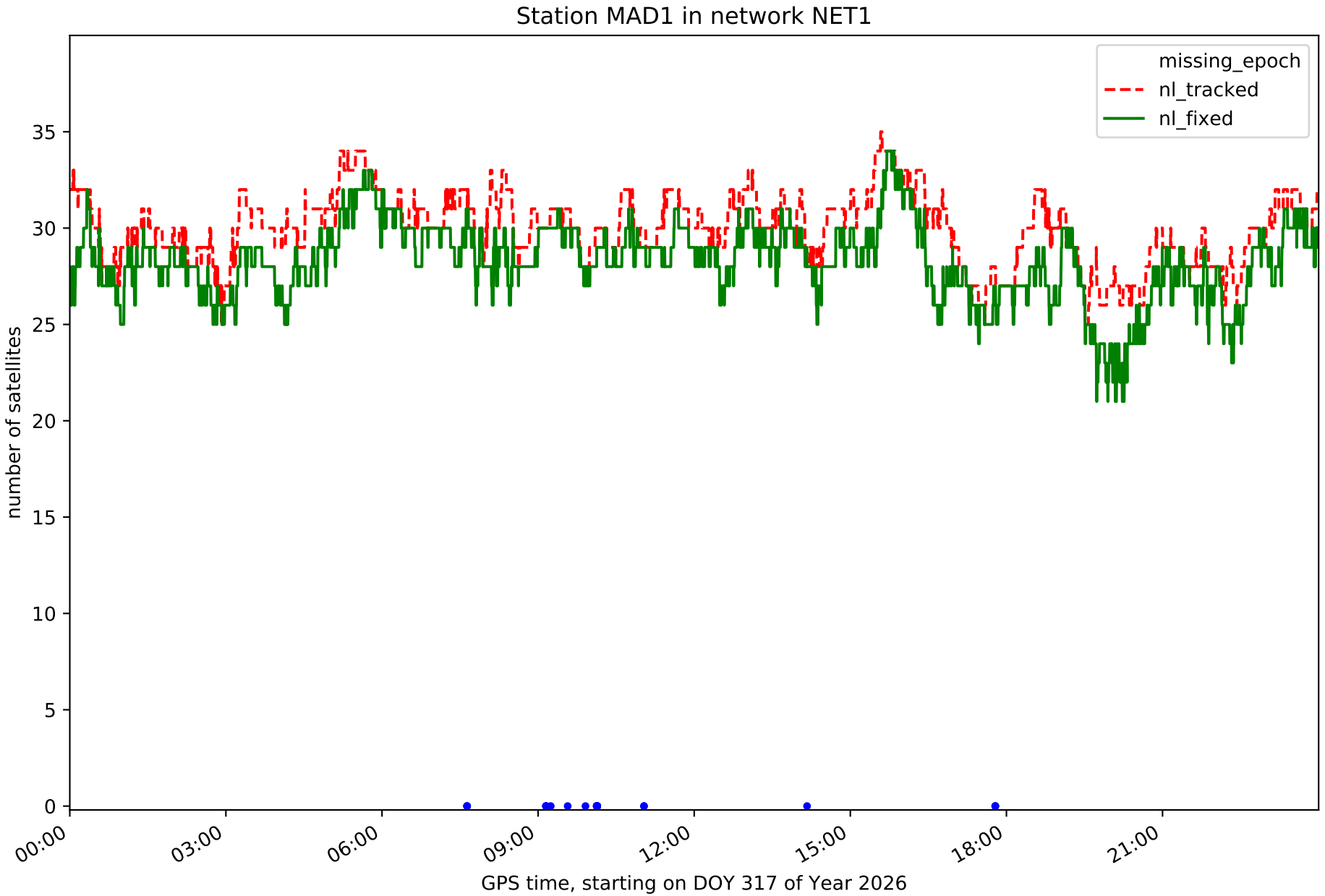

Station ARSP in network NET1
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

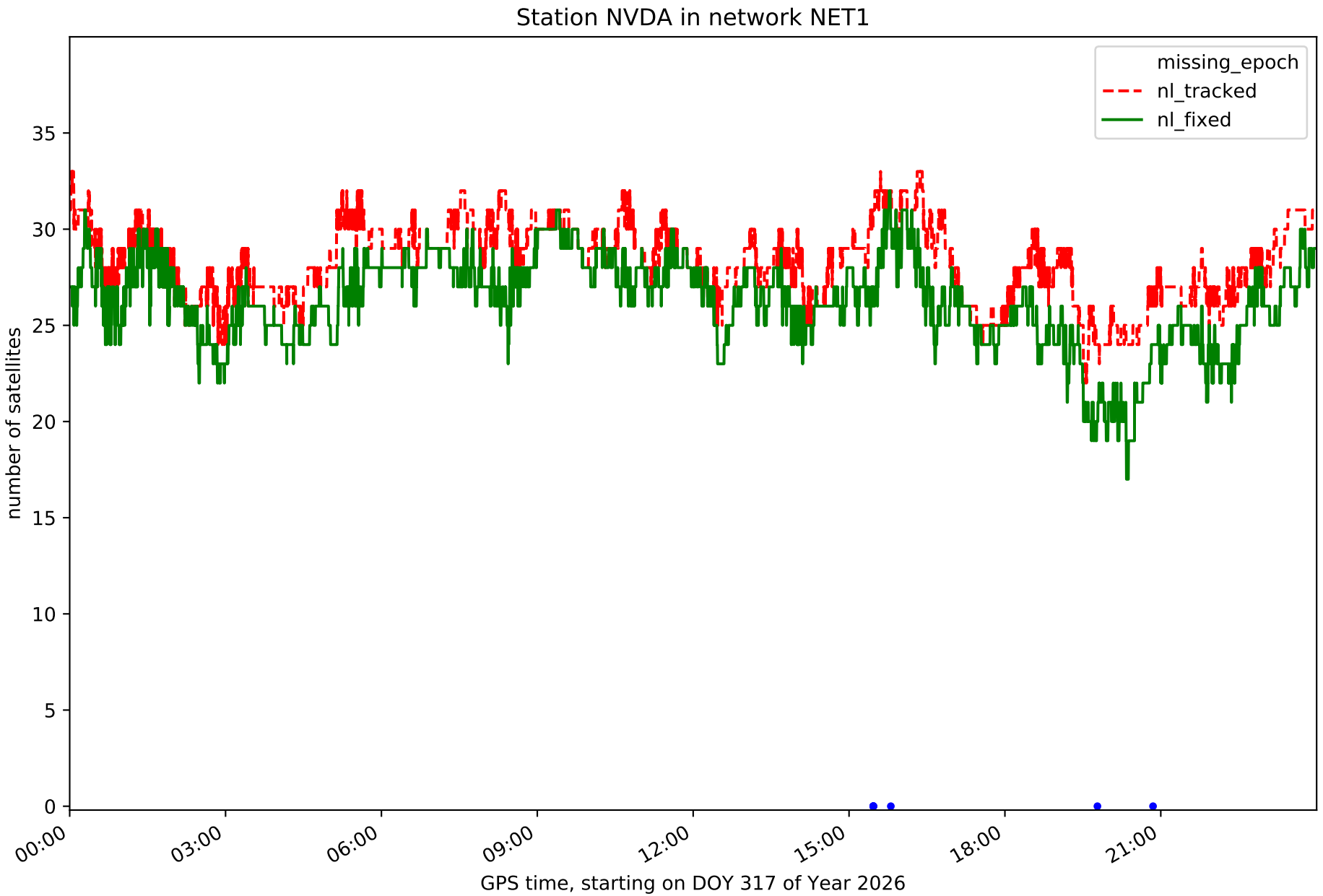

Station AVI2 in network NET1
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

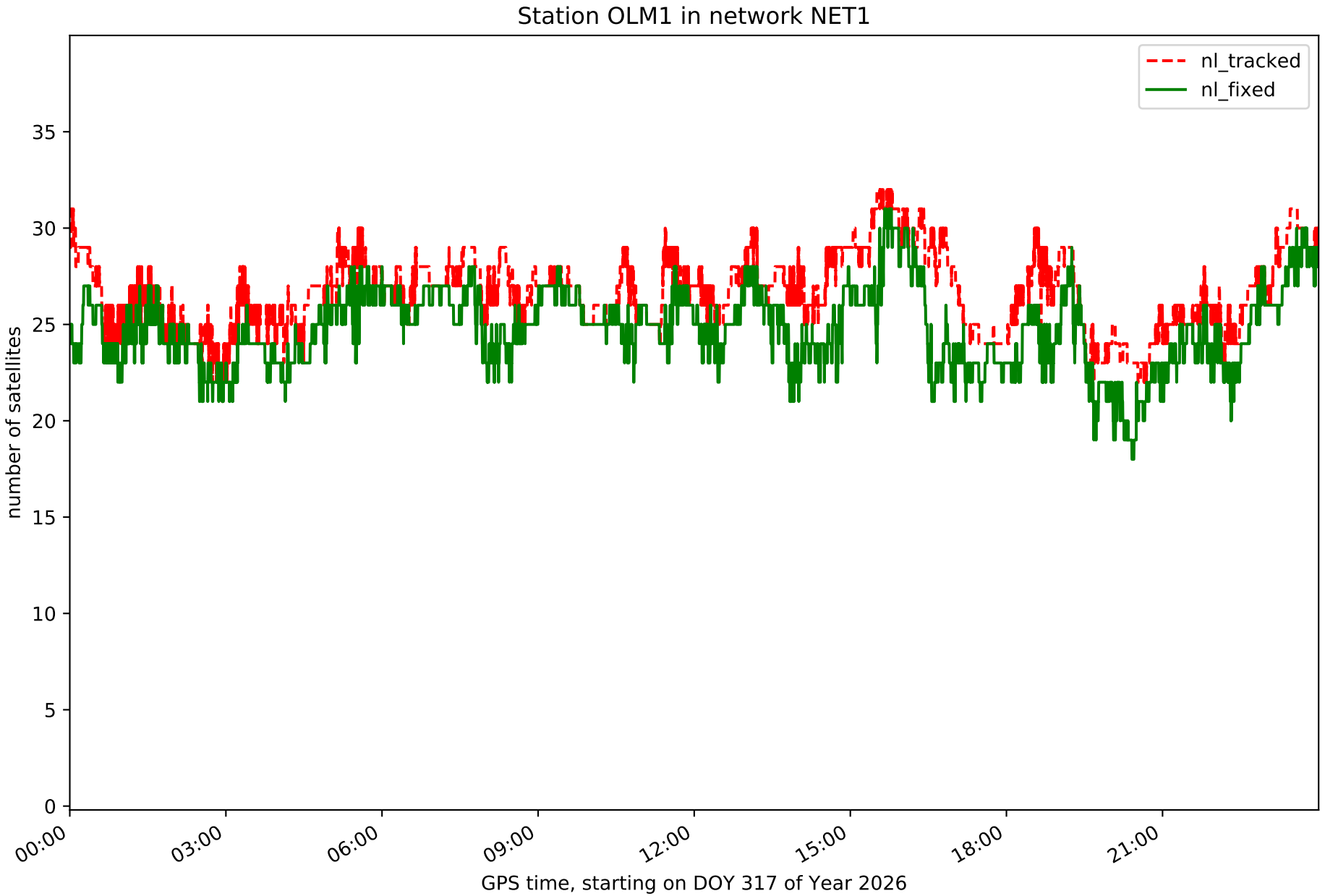

Station BUIT in network NET1
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

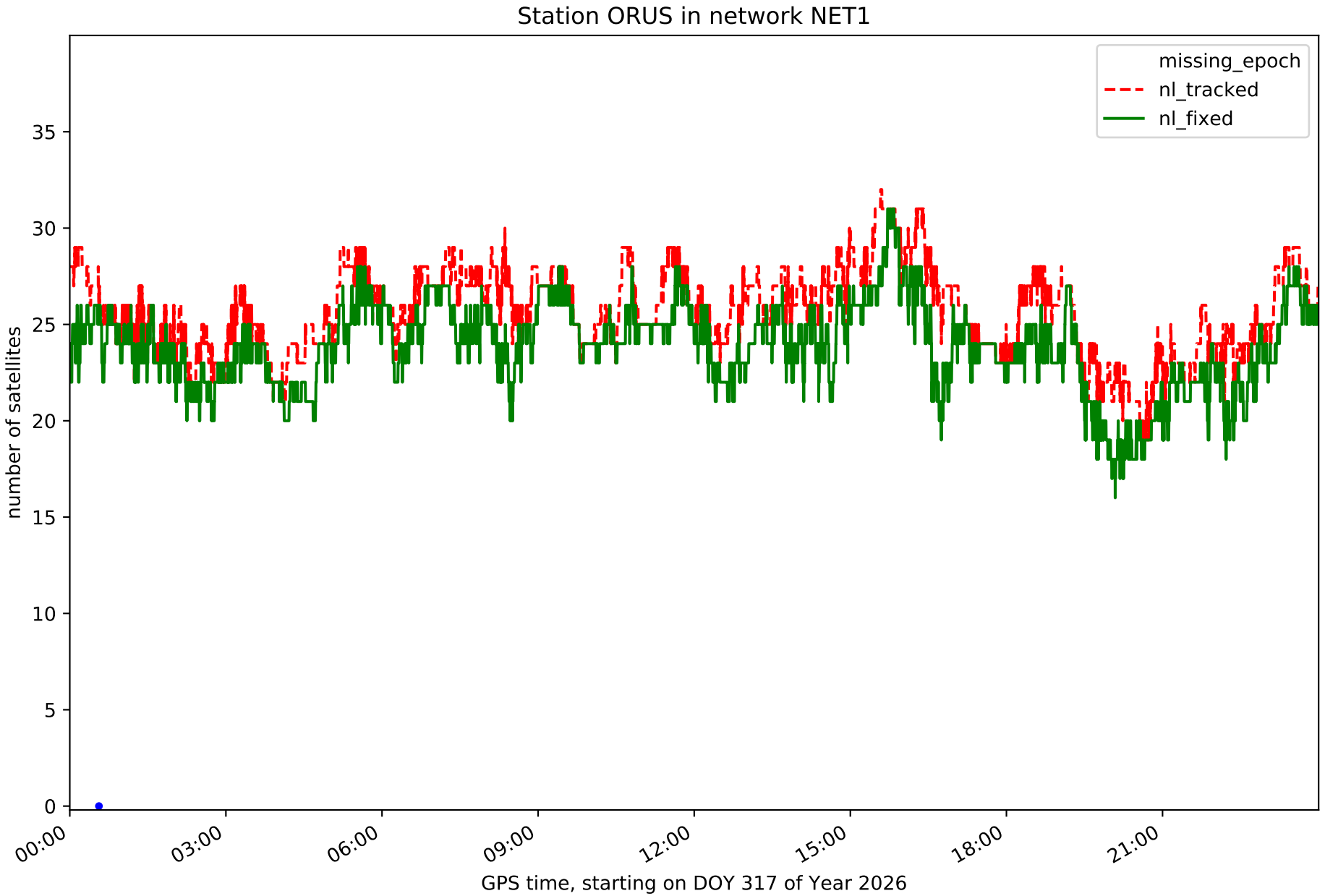

Station GMSR in network NET1
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

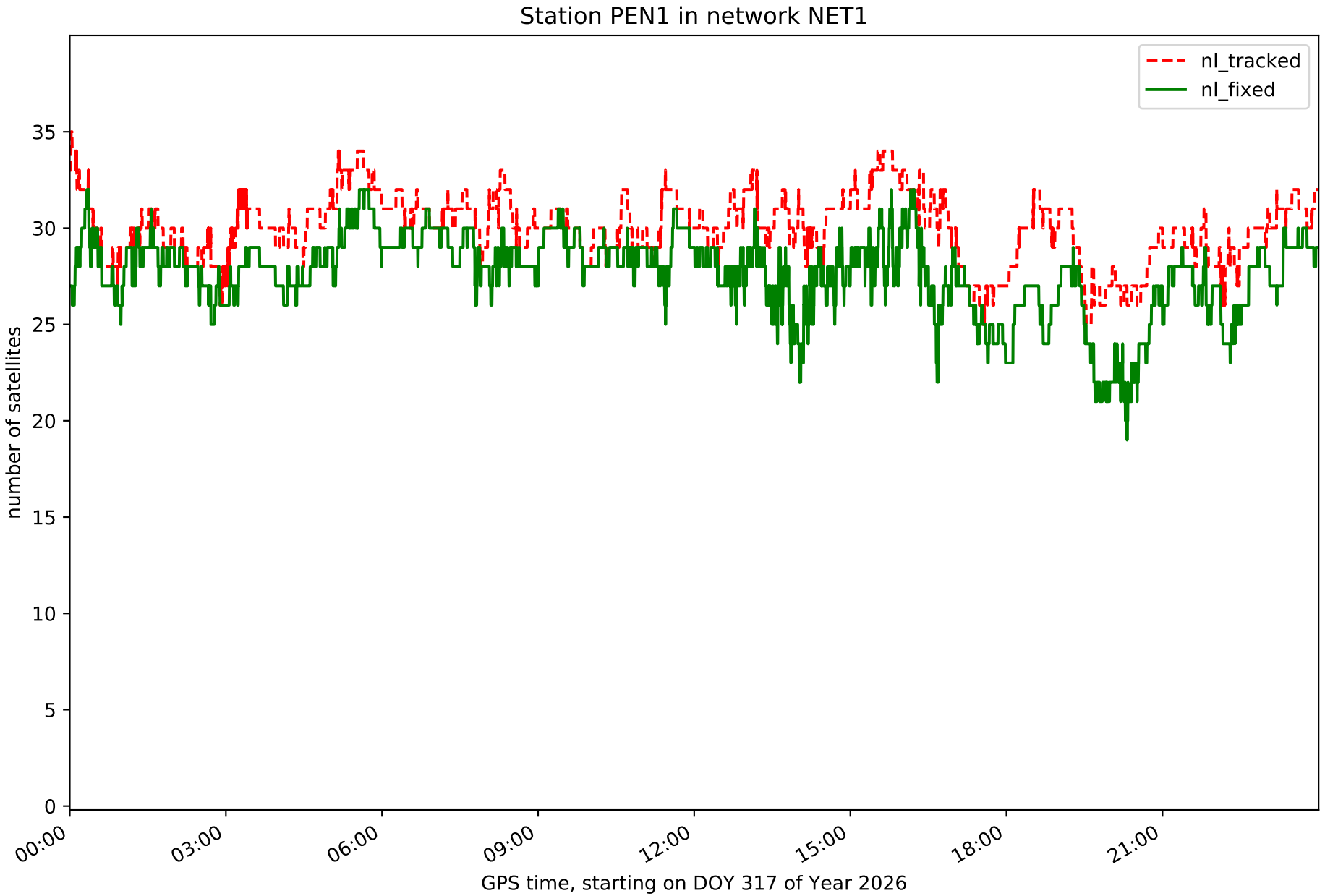

Station IGNE in network NET1
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

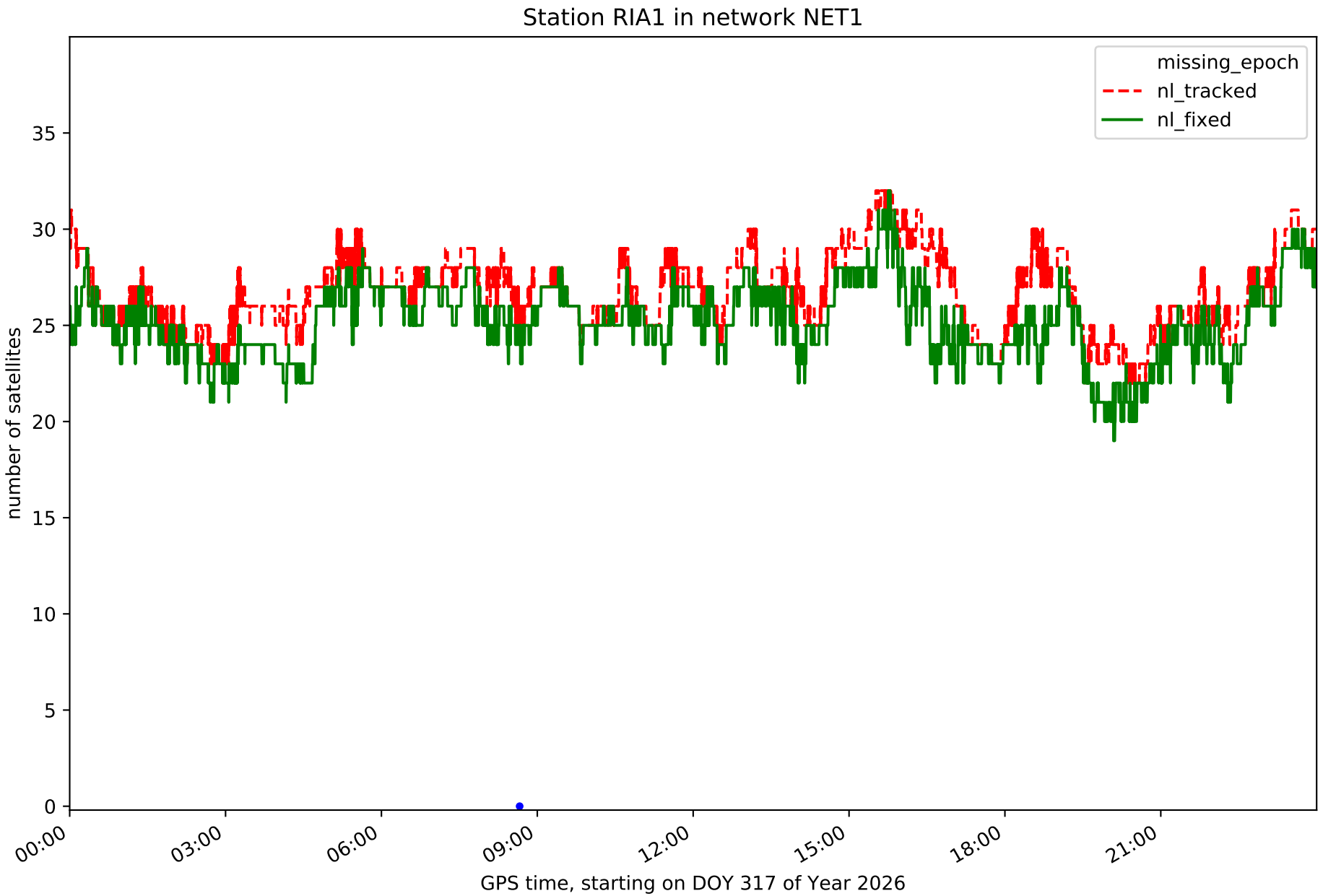

Station MAD1 in network NET1
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

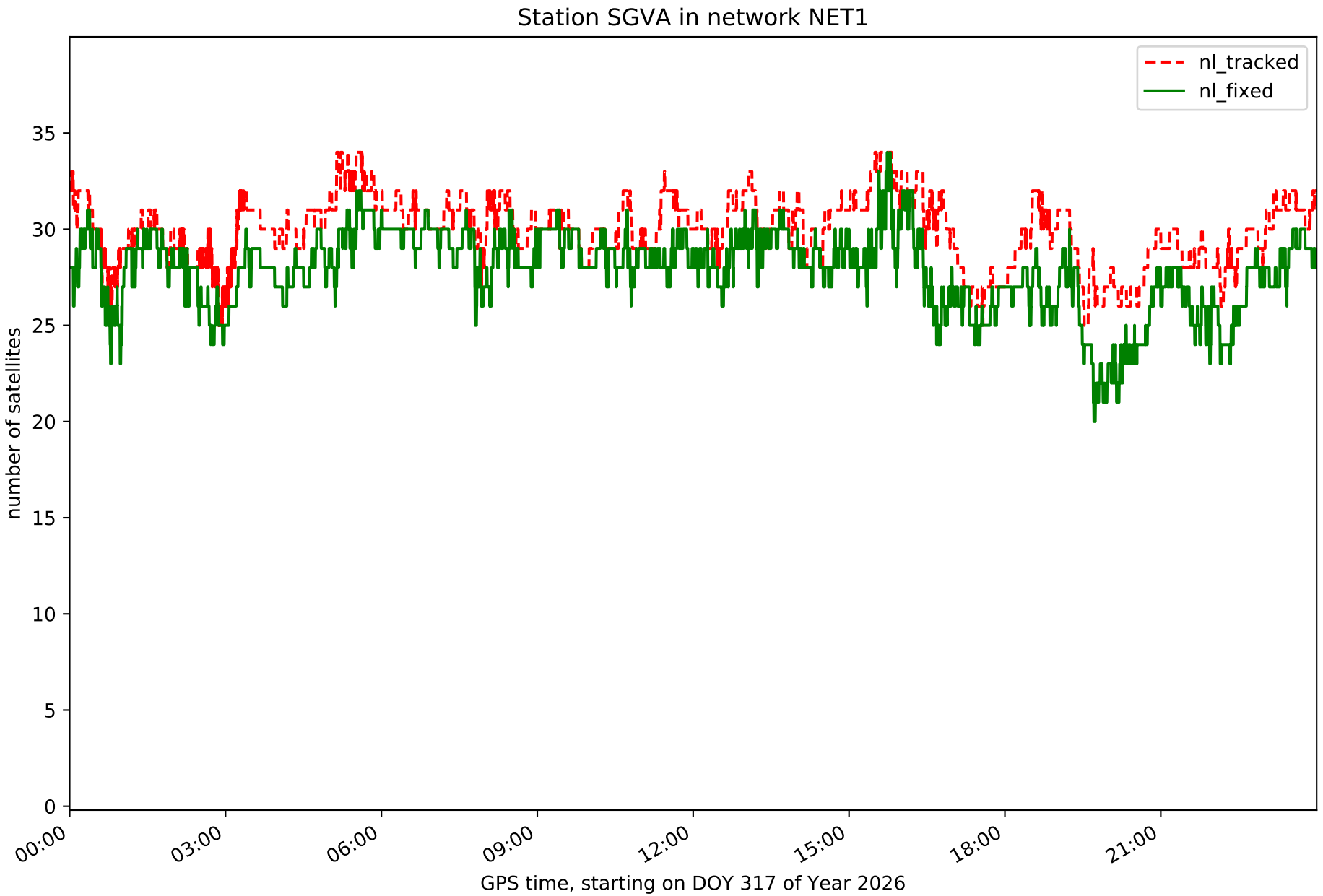

Station NVDA in network NET1
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

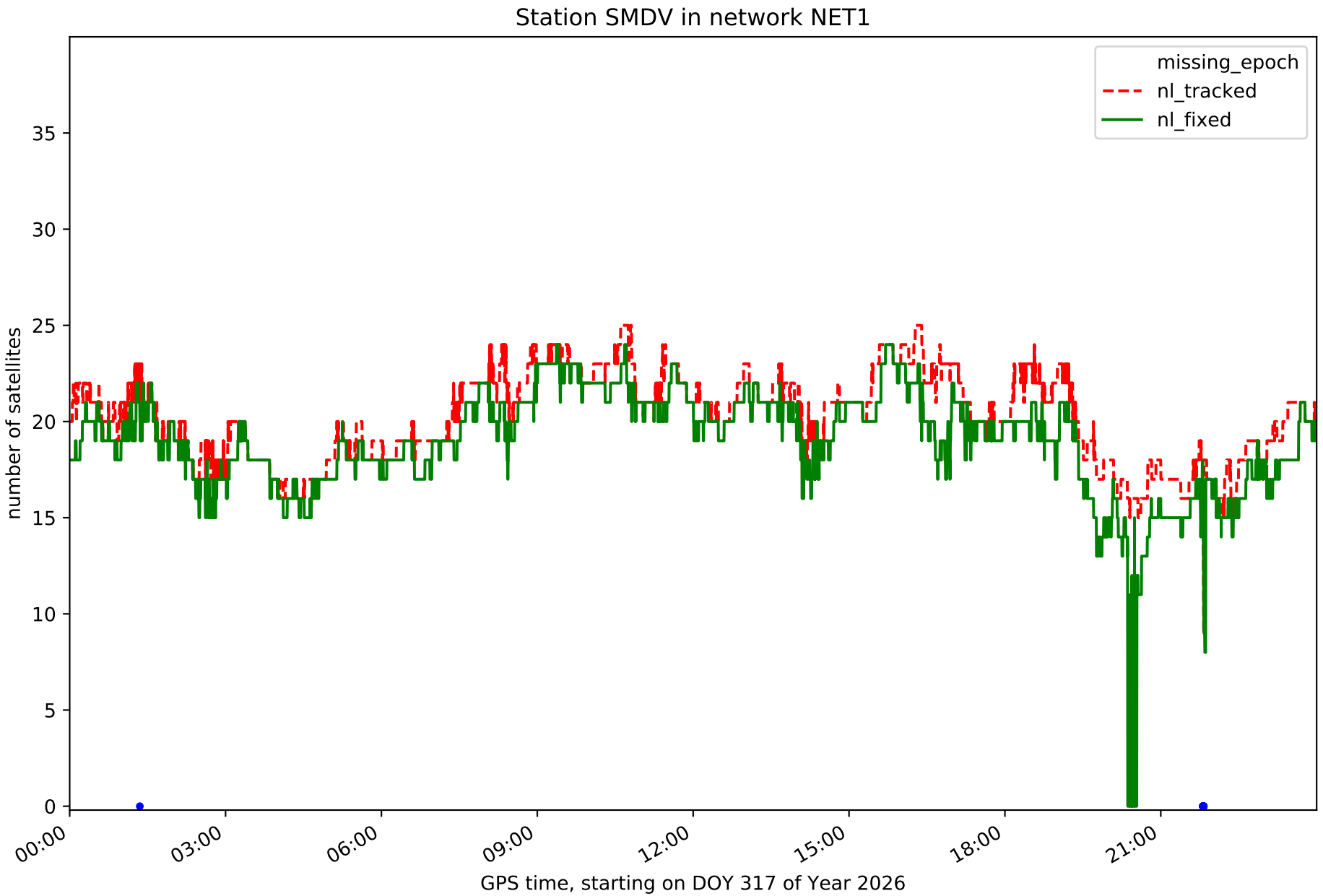

Station OLM1 in network NET1
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

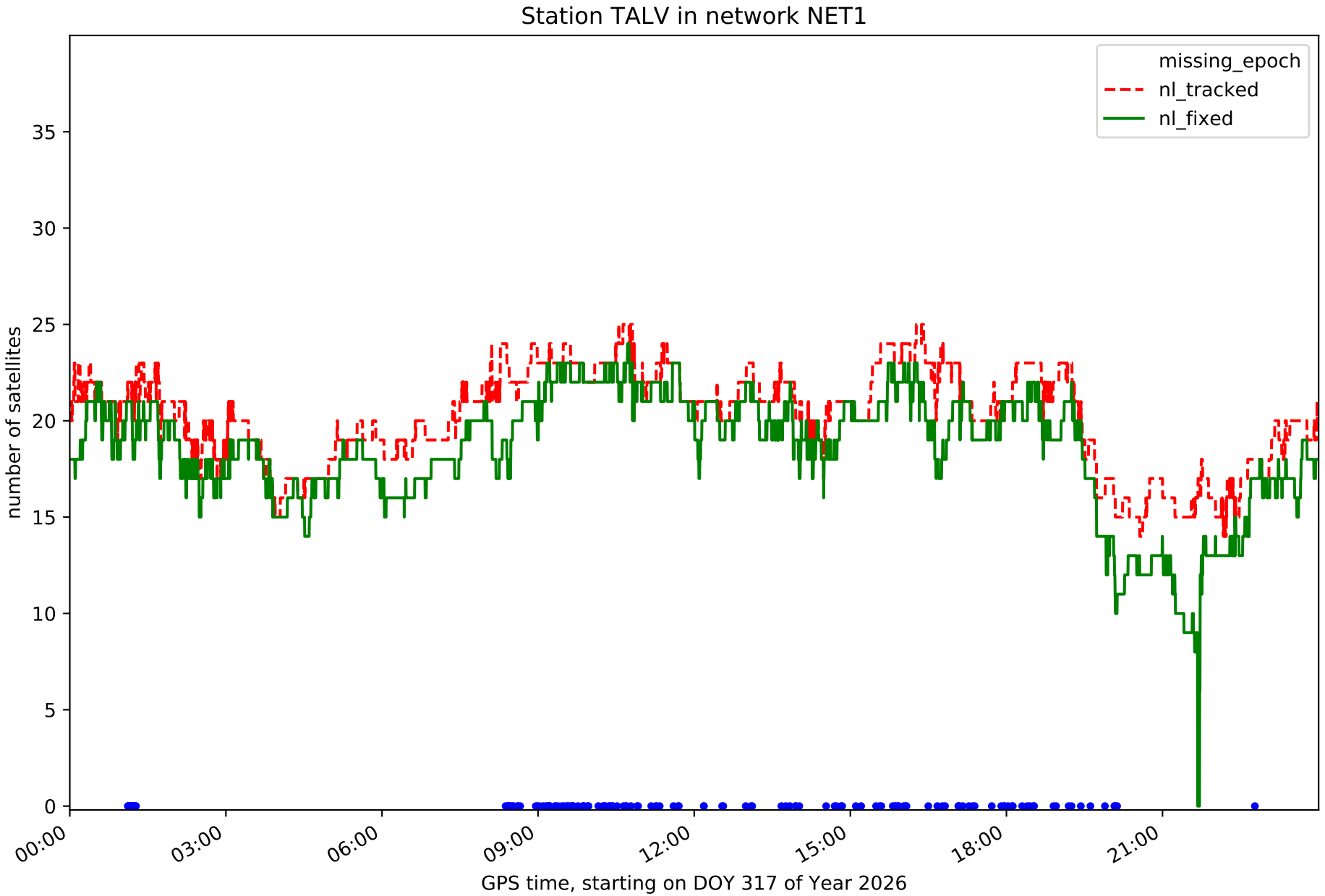

Station ORUS in network NET1
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

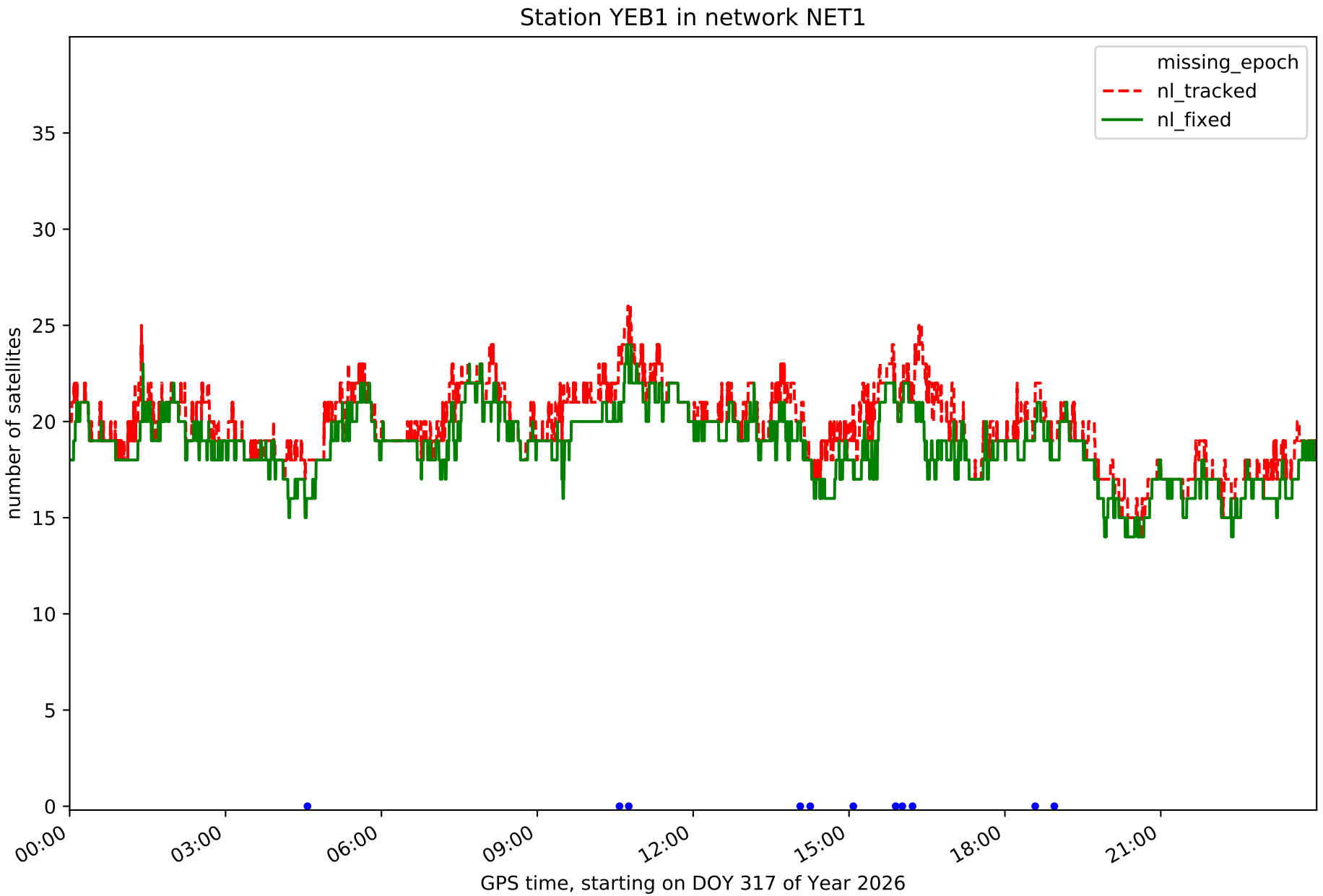

Station PEN1 in network NET1
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

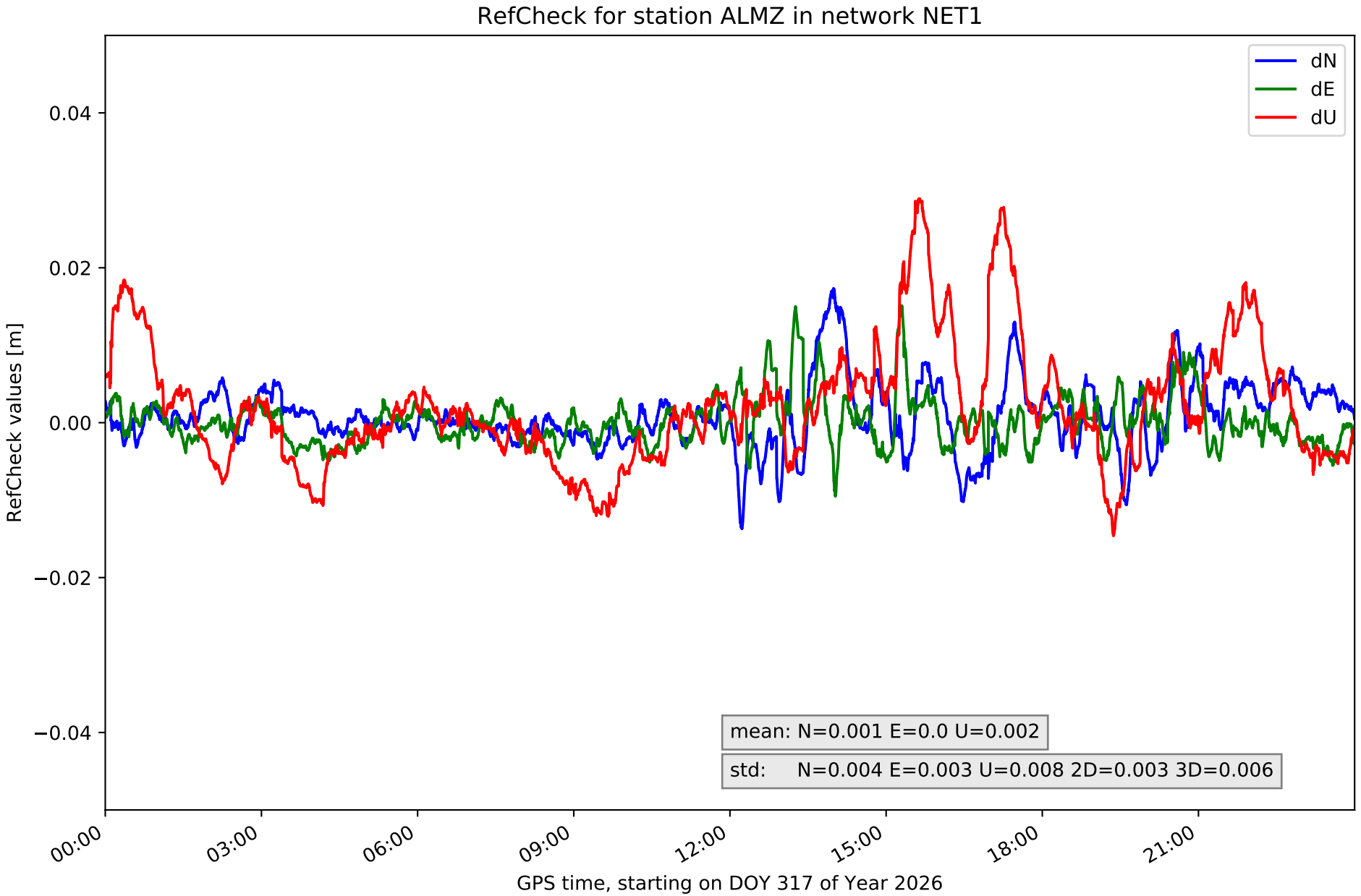

Station RIA1 in network NET1
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

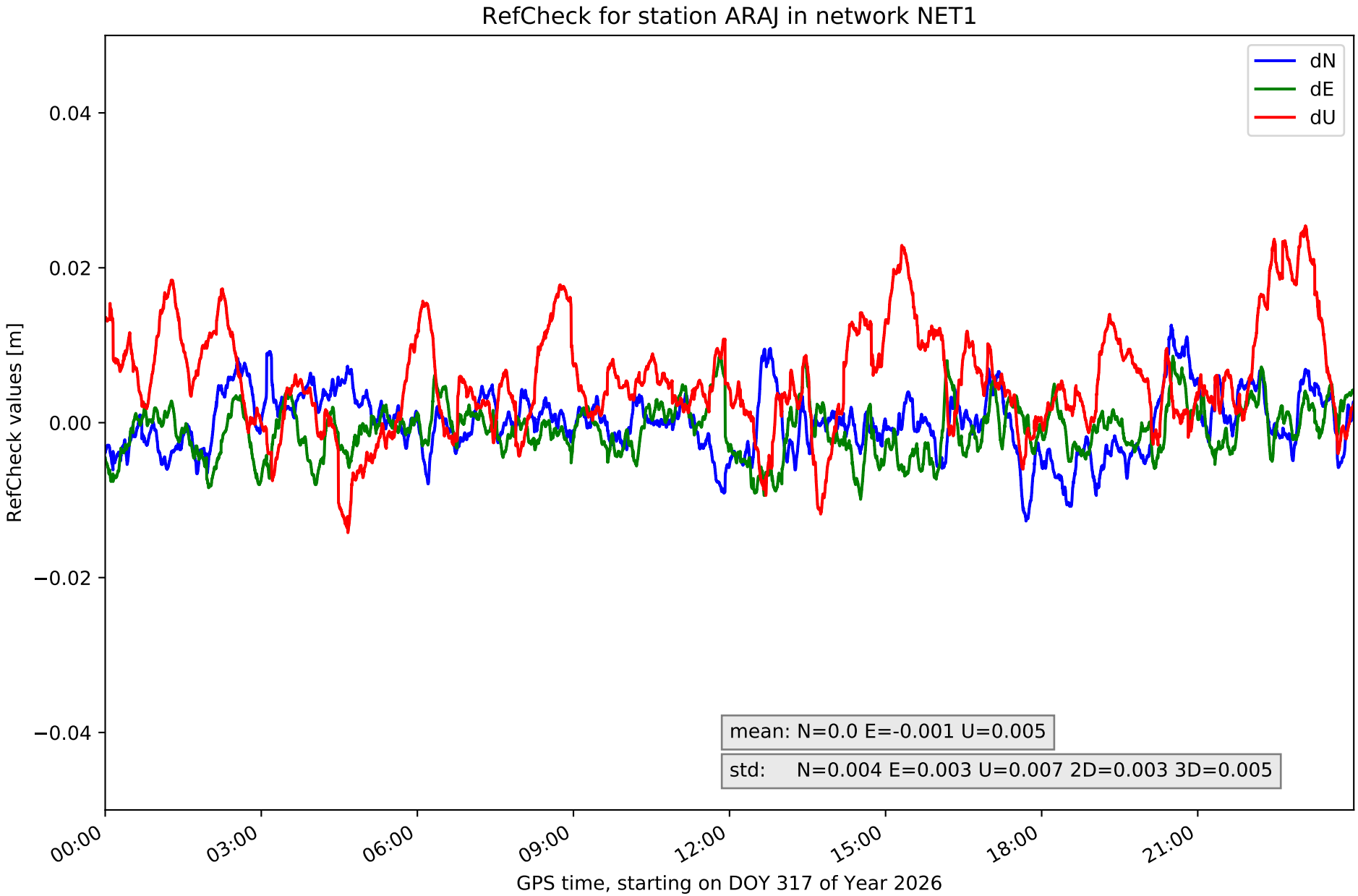

Station SGVA in network NET1
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

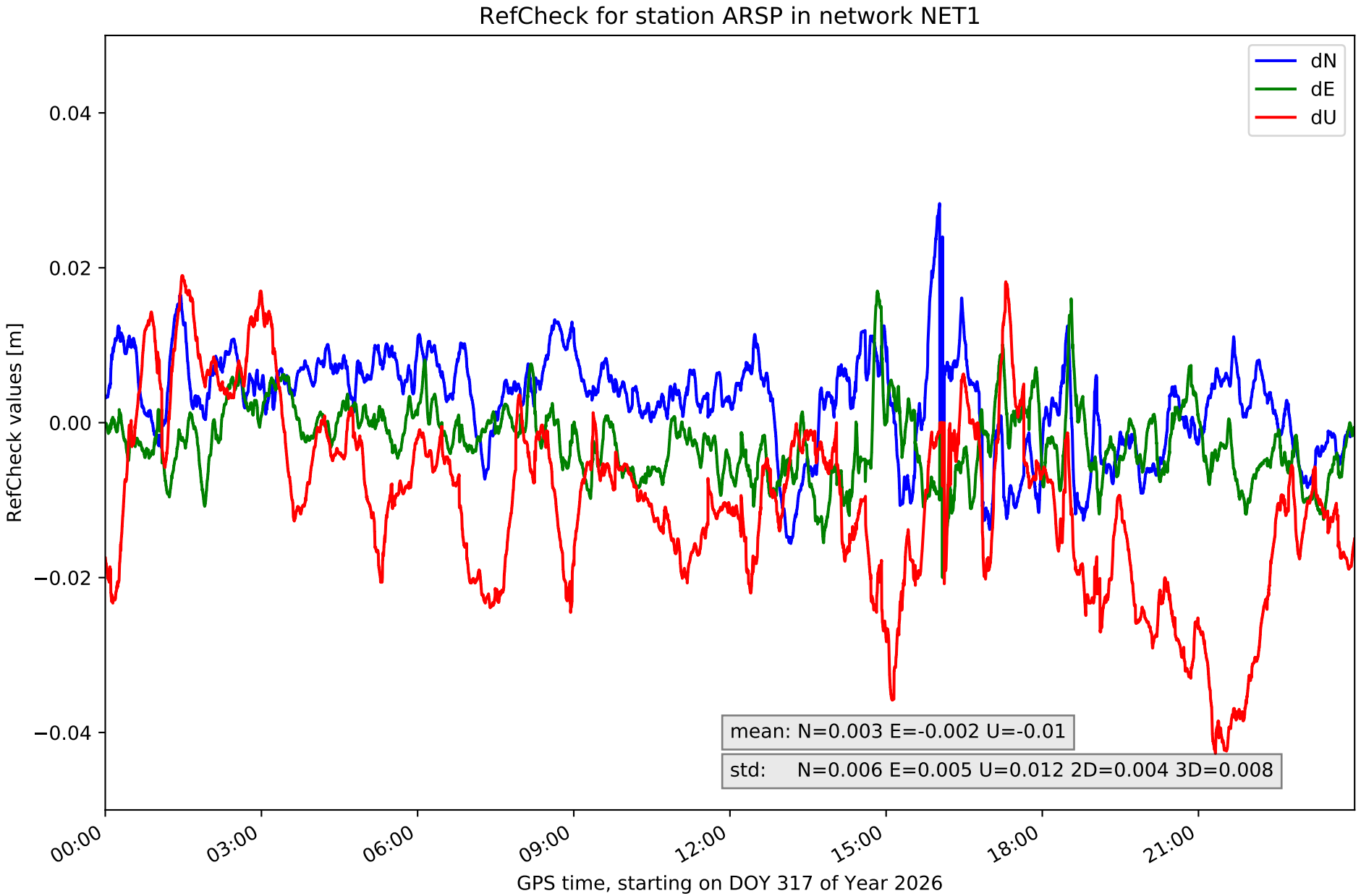

Station SMDV in network NET1
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

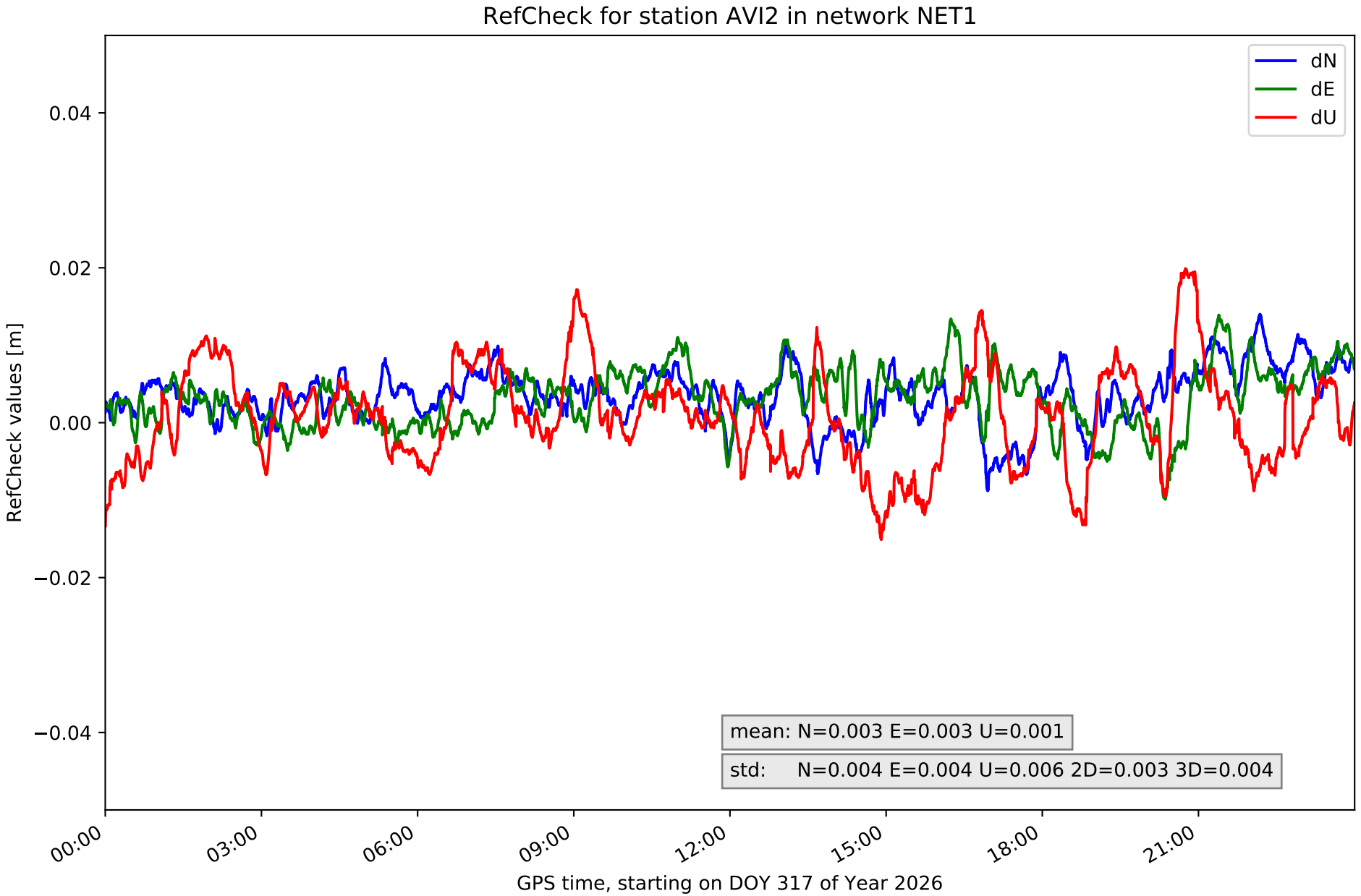

Station TALV in network NET1
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

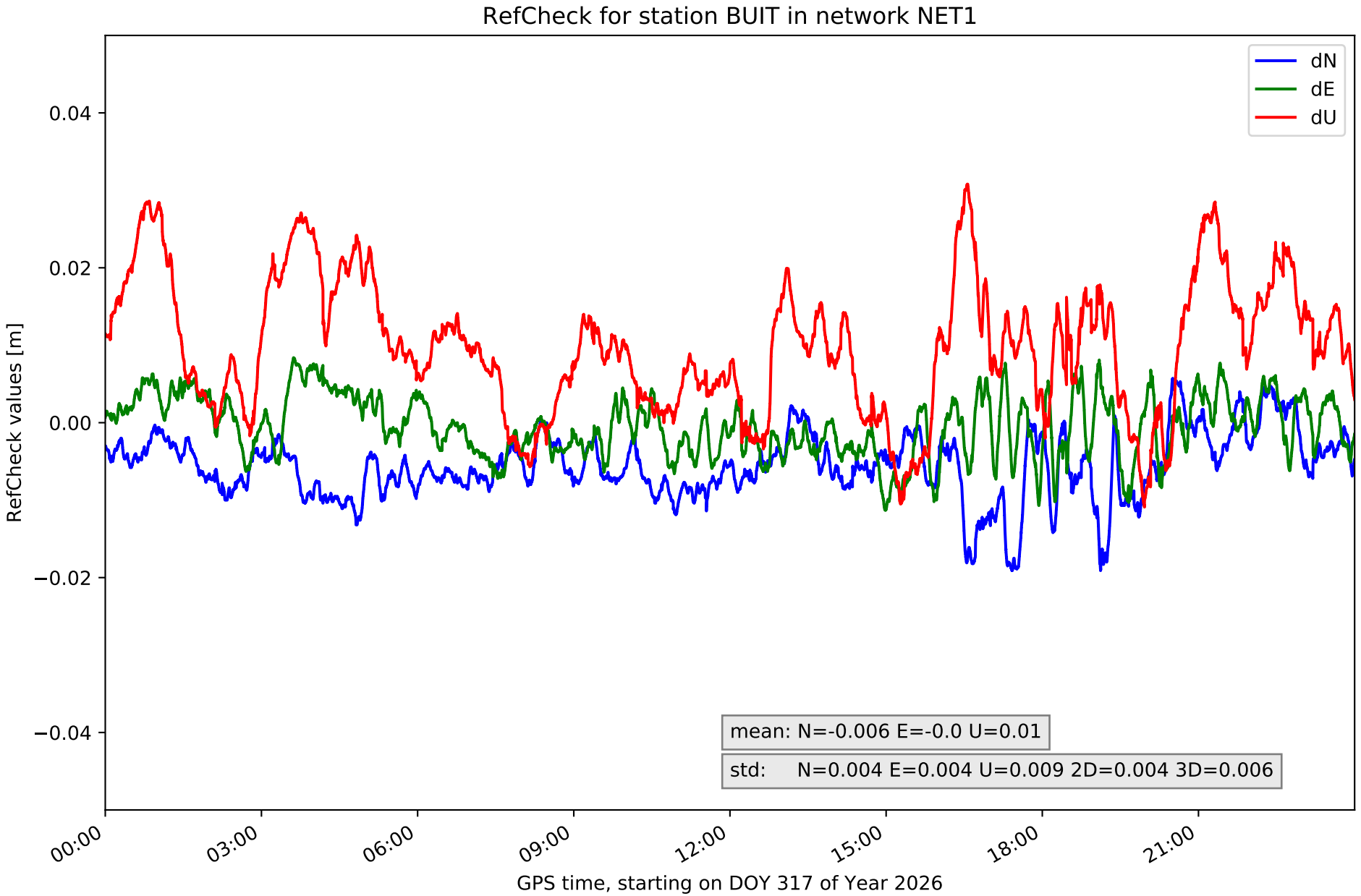

Station YEB1 in network NET1
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

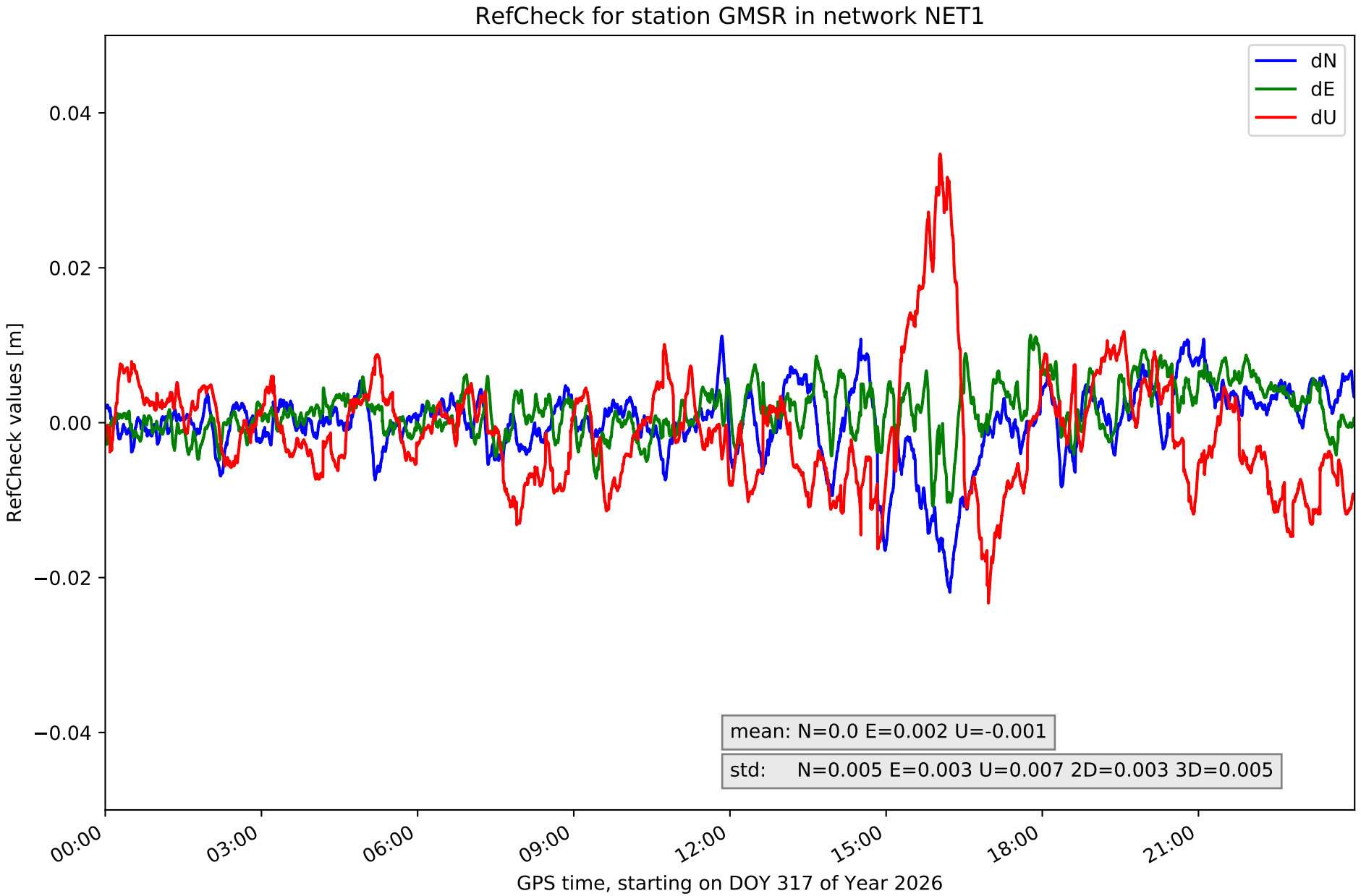

RefCheck for station ALMZ in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.001 E=0.0 U=0.002
std: N=0.004 E=0.003 U=0.008 2D=0.003 3D=0.006
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

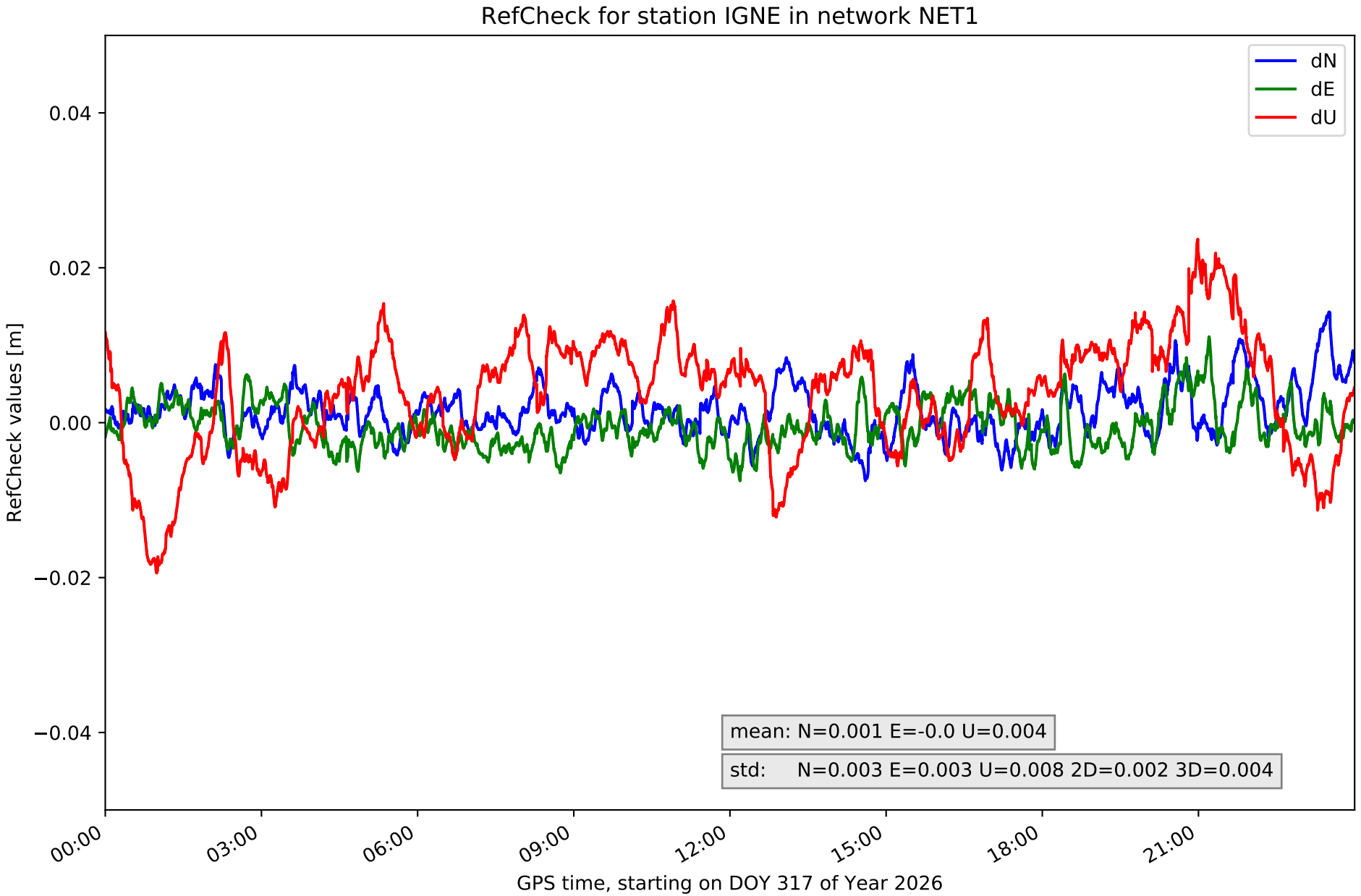

RefCheck for station ARAJ in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.0 E=-0.001 U=0.005
std: N=0.004 E=0.003 U=0.007 2D=0.003 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

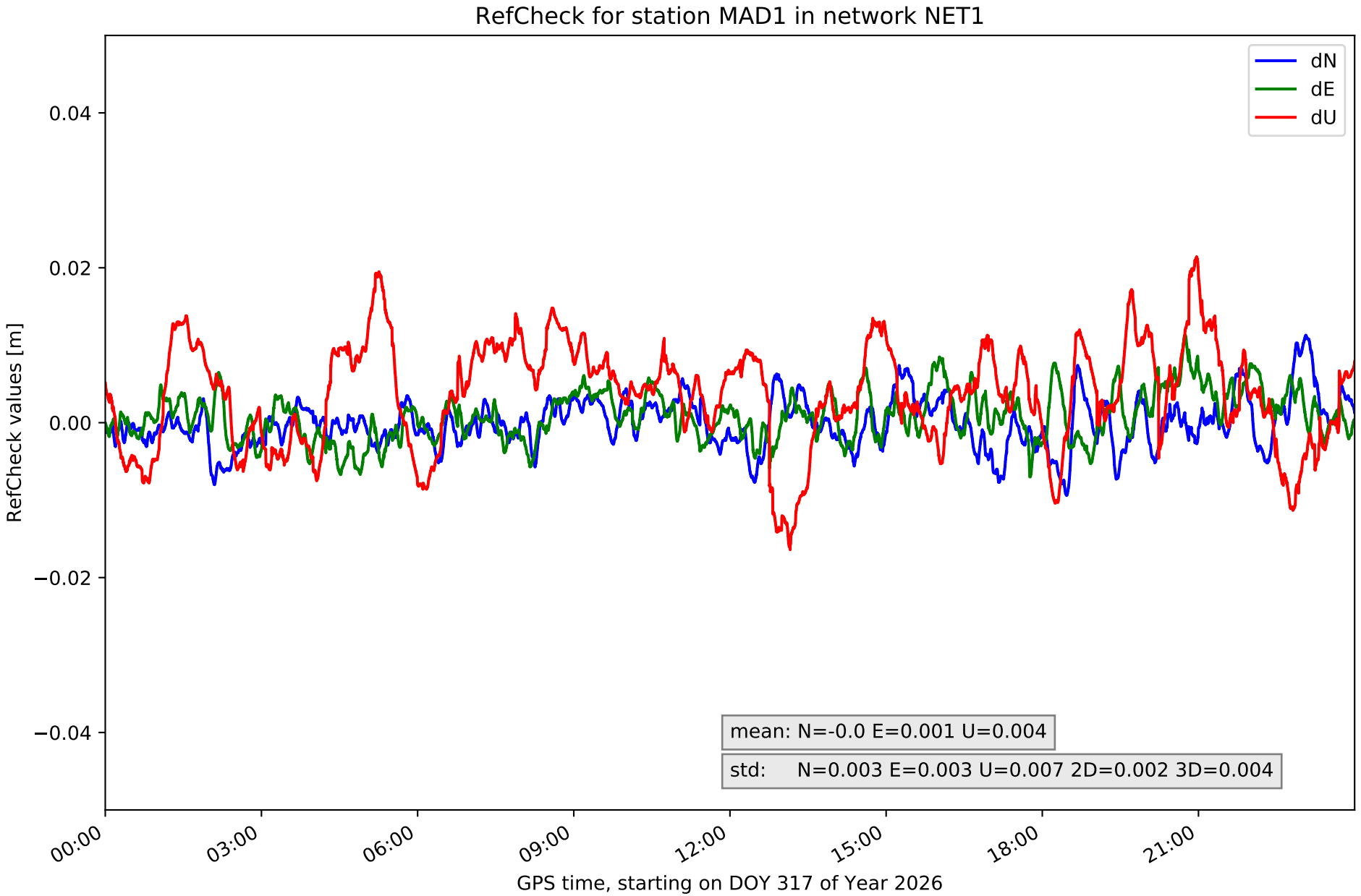

RefCheck for station ARSP in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.003 E=-0.002 U=-0.01
std: N=0.006 E=0.005 U=0.012 2D=0.004 3D=0.008
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

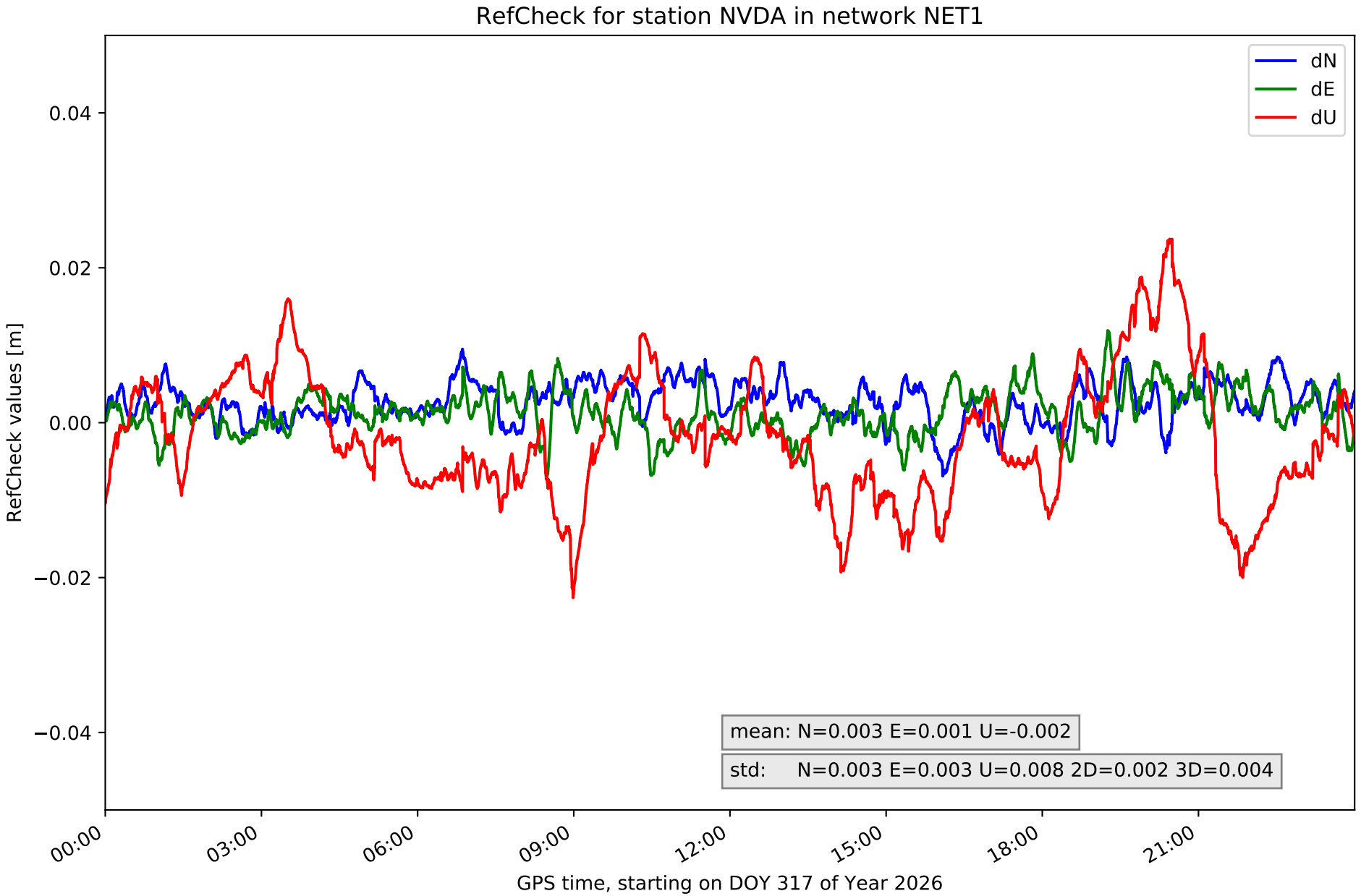

RefCheck for station AVI2 in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.003 E=0.003 U=0.001
std: N=0.004 E=0.004 U=0.006 2D=0.003 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

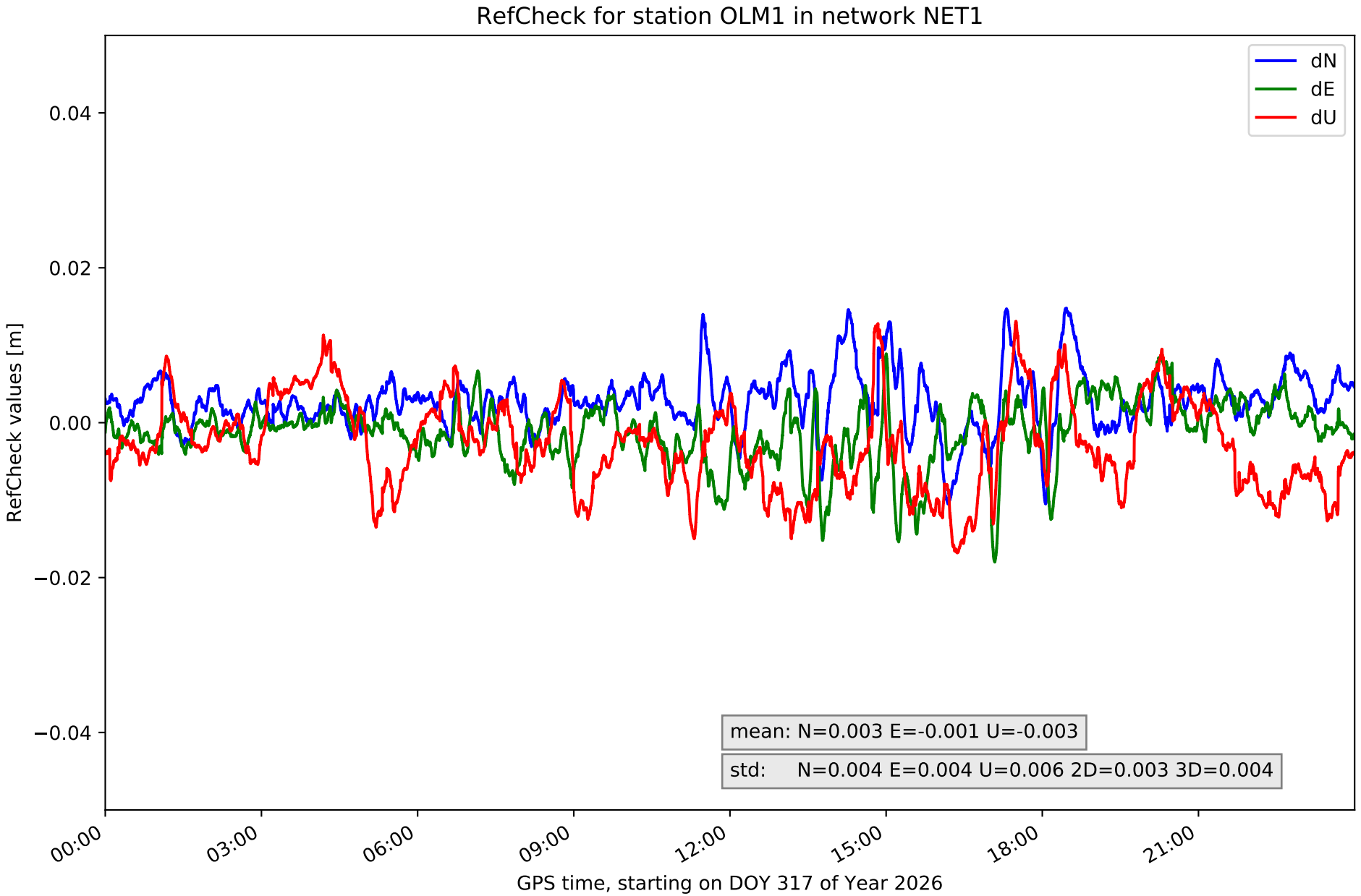

RefCheck for station BUIT in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.006 E=-0.0 U=0.01
std: N=0.004 E=0.004 U=0.009 2D=0.004 3D=0.006
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

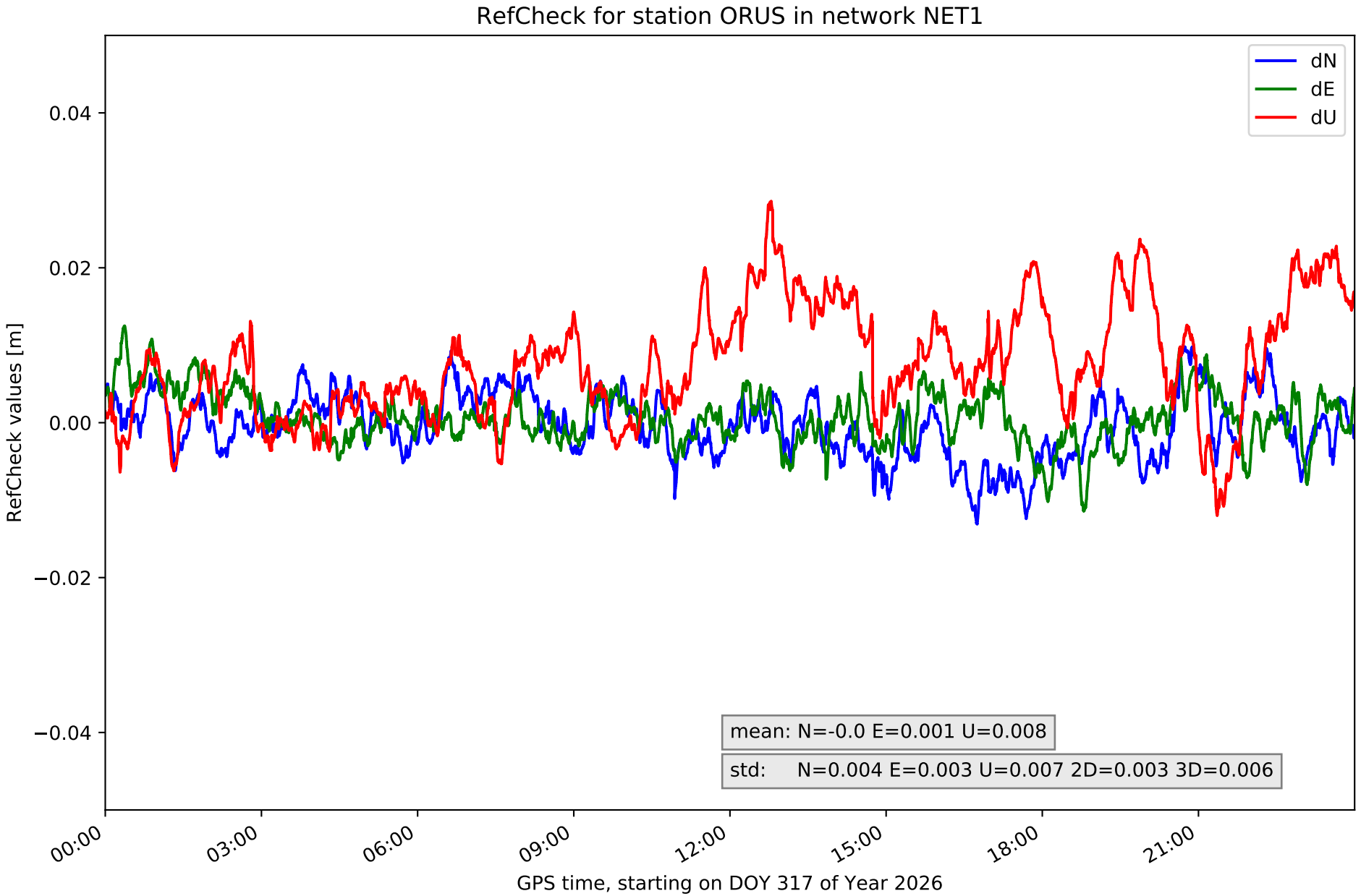

RefCheck for station GMSR in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.0 E=0.002 U=-0.001
std: N=0.005 E=0.003 U=0.007 2D=0.003 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

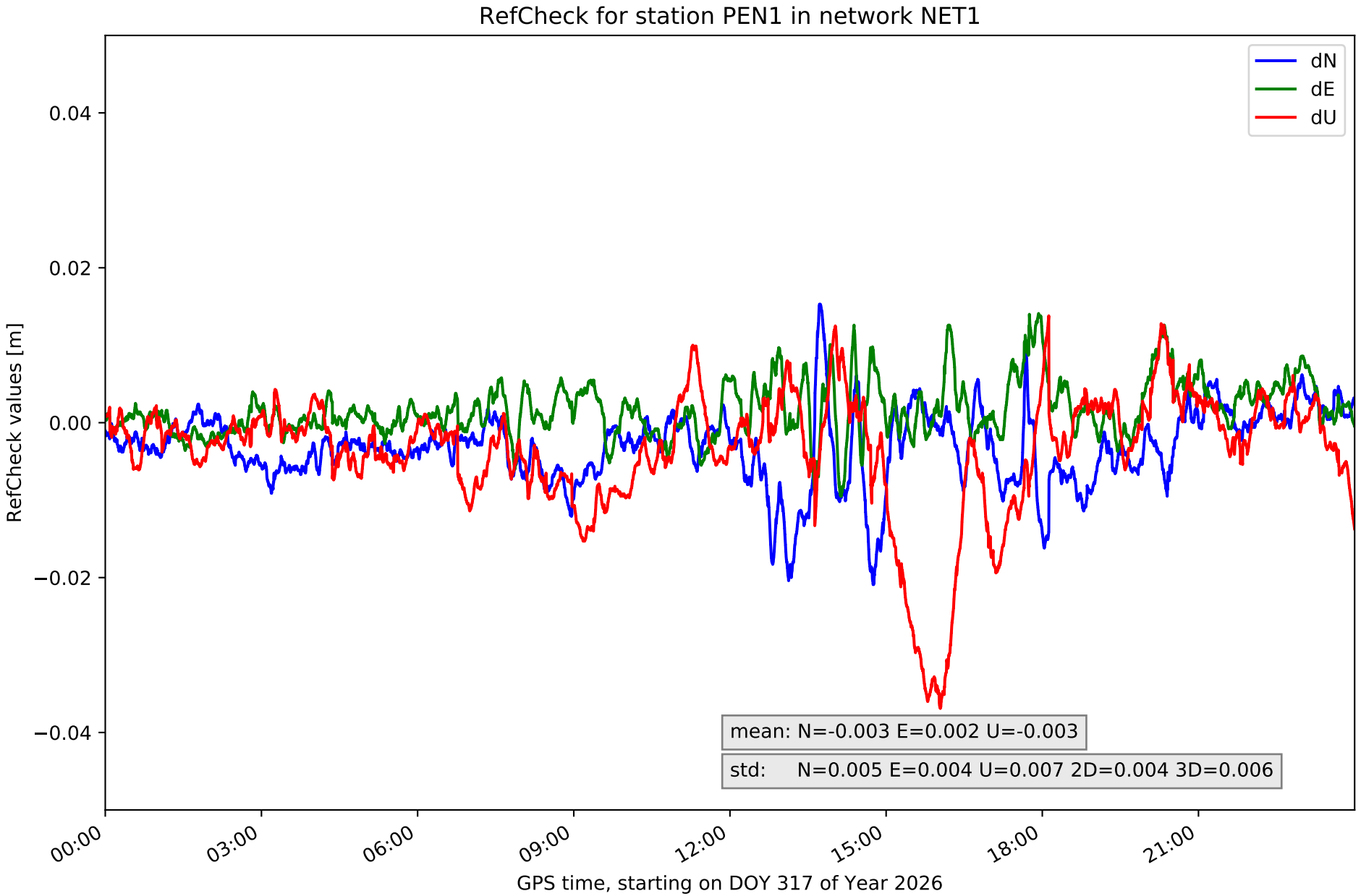

RefCheck for station IGNE in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.001 E=-0.0 U=0.004
std: N=0.003 E=0.003 U=0.008 2D=0.002 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

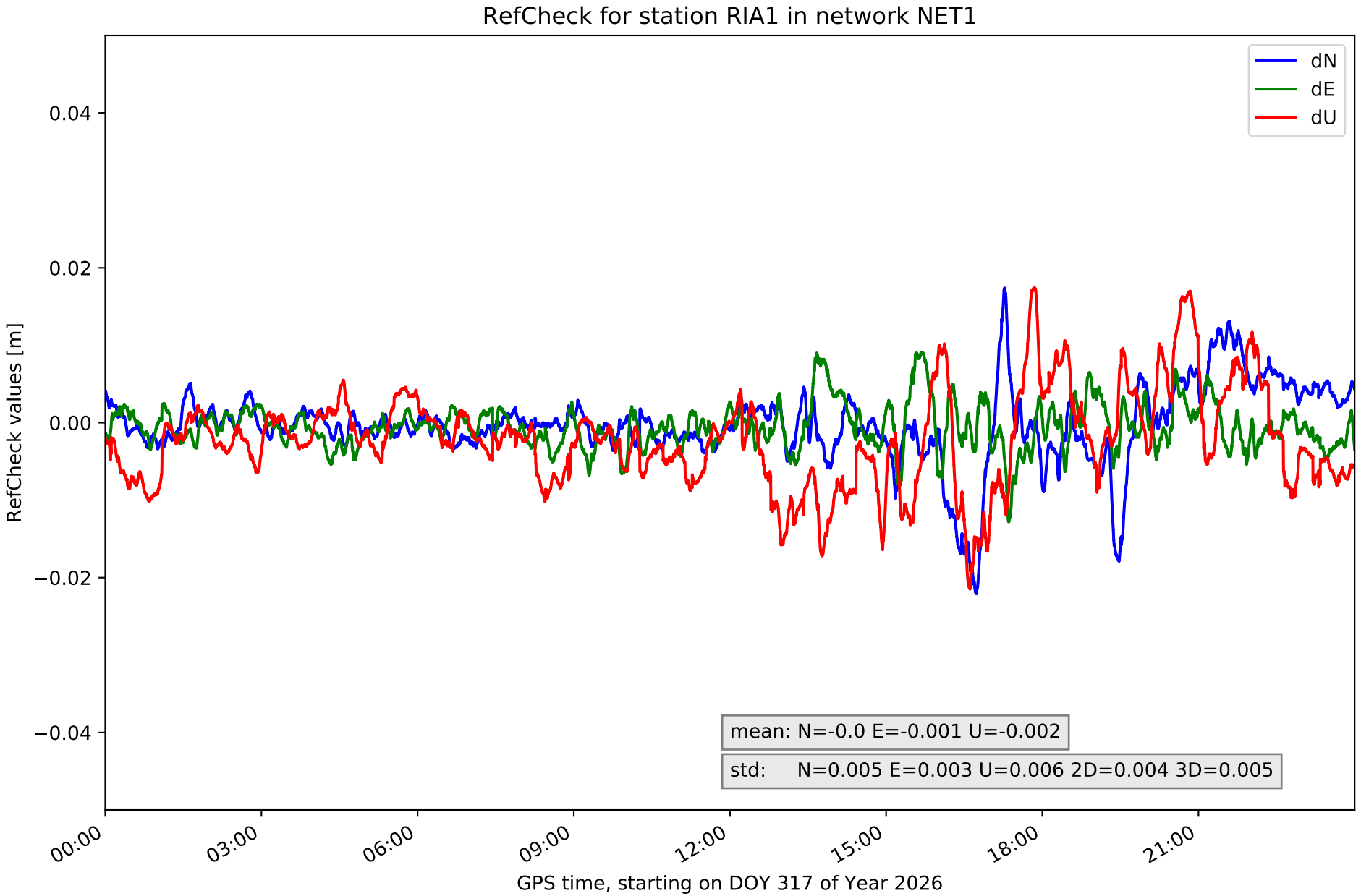

RefCheck for station MAD1 in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.0 E=0.001 U=0.004
std: N=0.003 E=0.003 U=0.007 2D=0.002 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

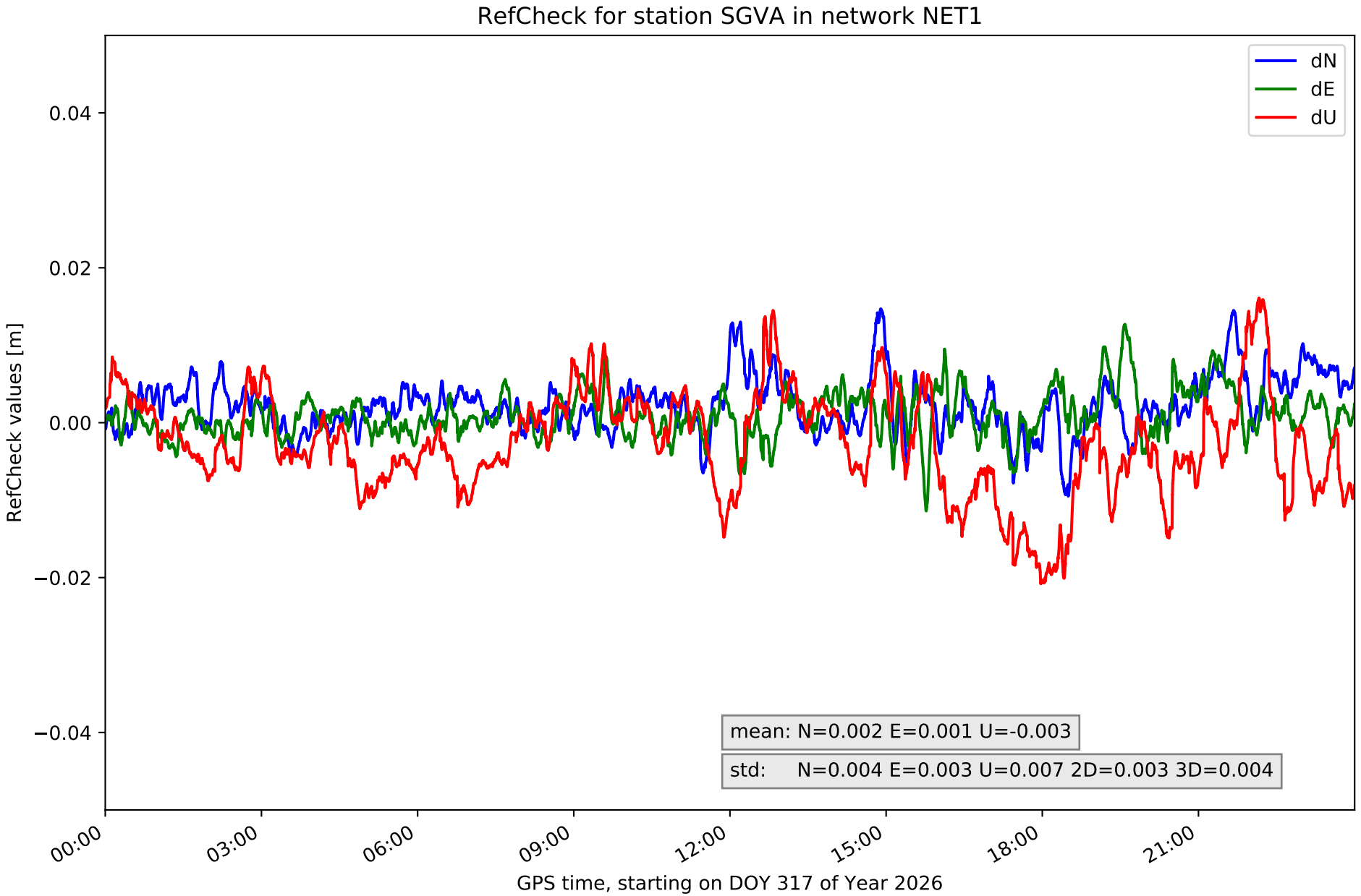

RefCheck for station NVDA in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.003 E=0.001 U=-0.002
std: N=0.003 E=0.003 U=0.008 2D=0.002 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

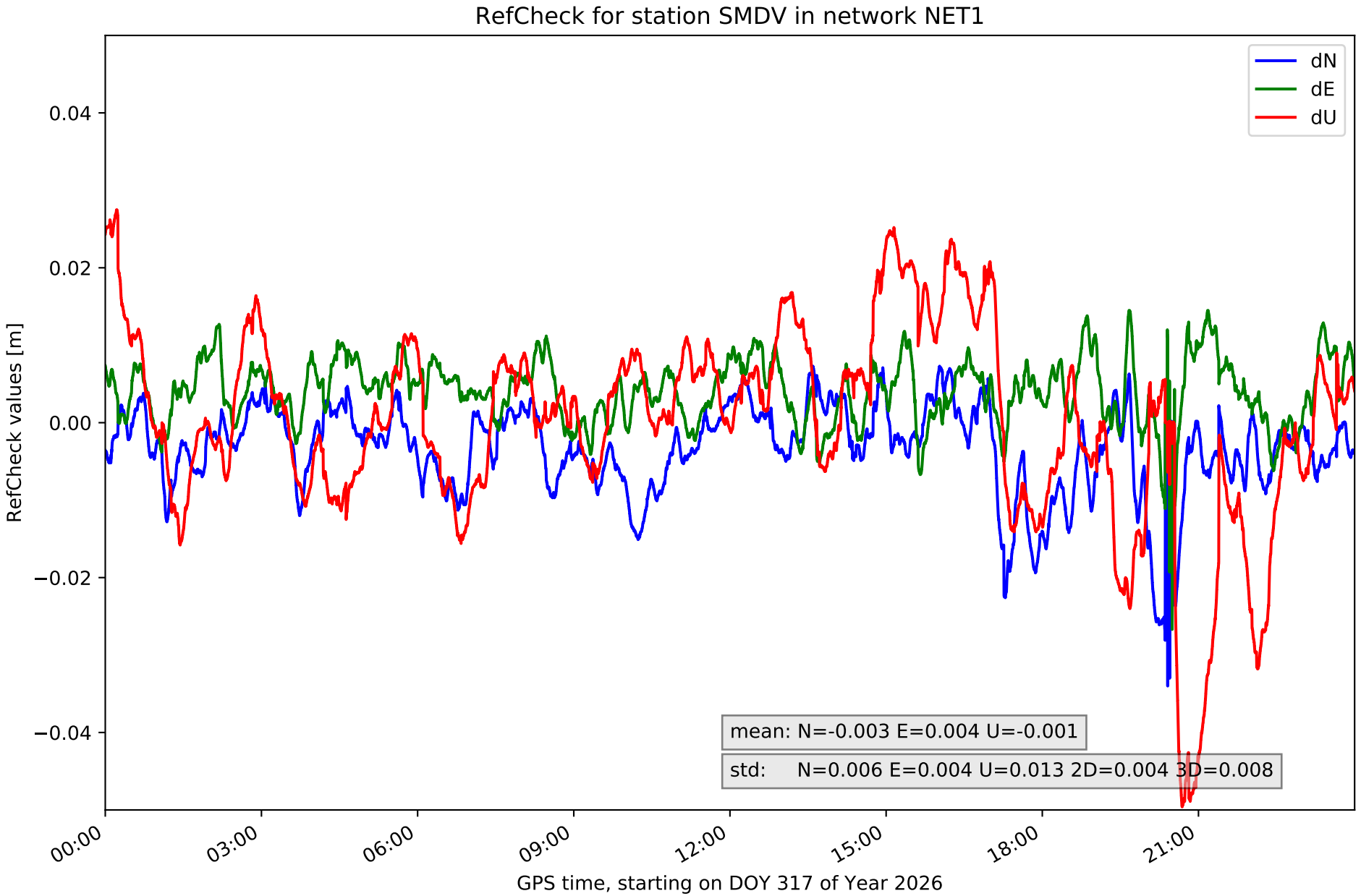

RefCheck for station OLM1 in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.003 E=-0.001 U=-0.003
std: N=0.004 E=0.004 U=0.006 2D=0.003 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

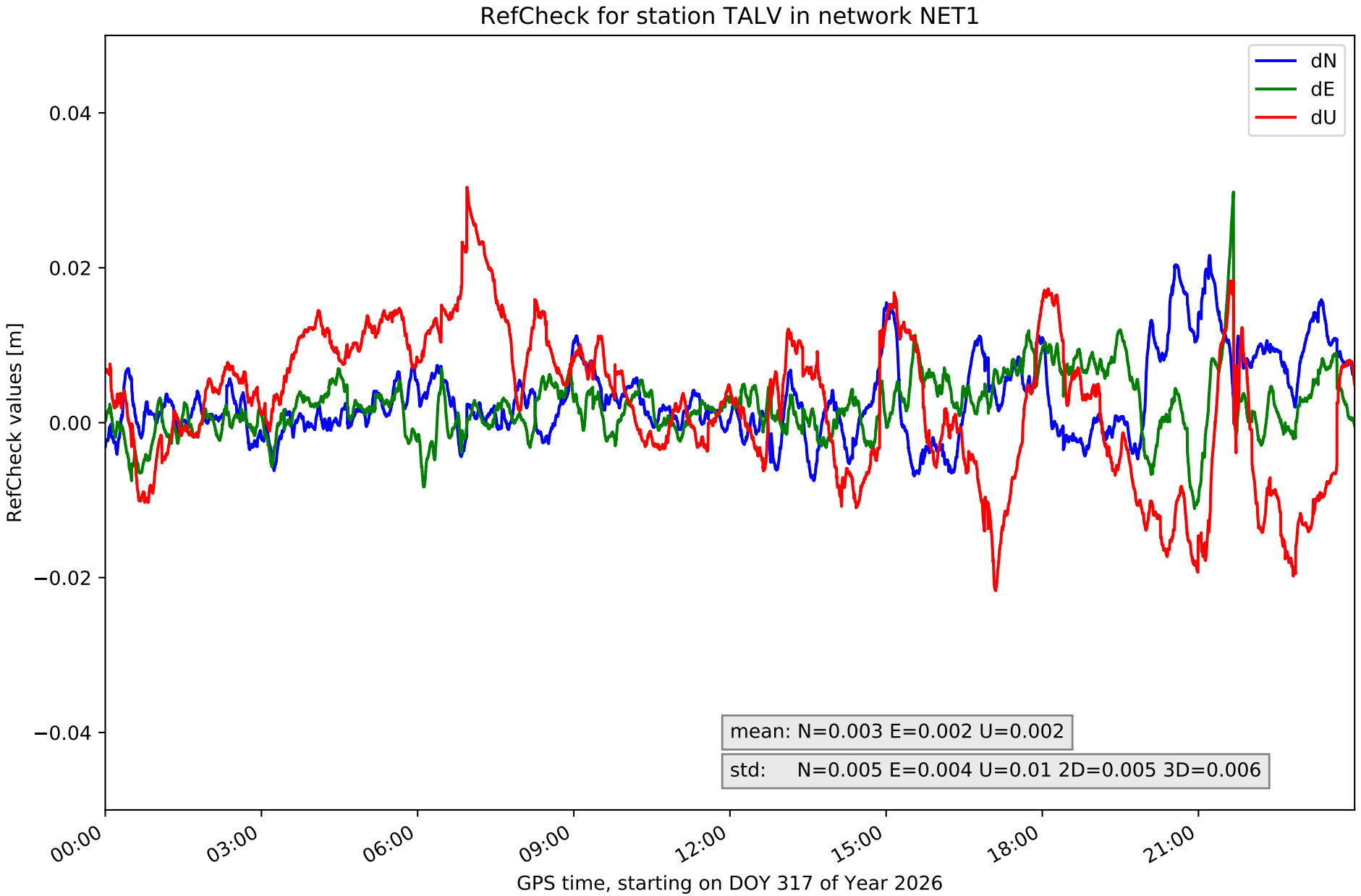

RefCheck for station ORUS in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.0 E=0.001 U=0.008
std: N=0.004 E=0.003 U=0.007 2D=0.003 3D=0.006
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026

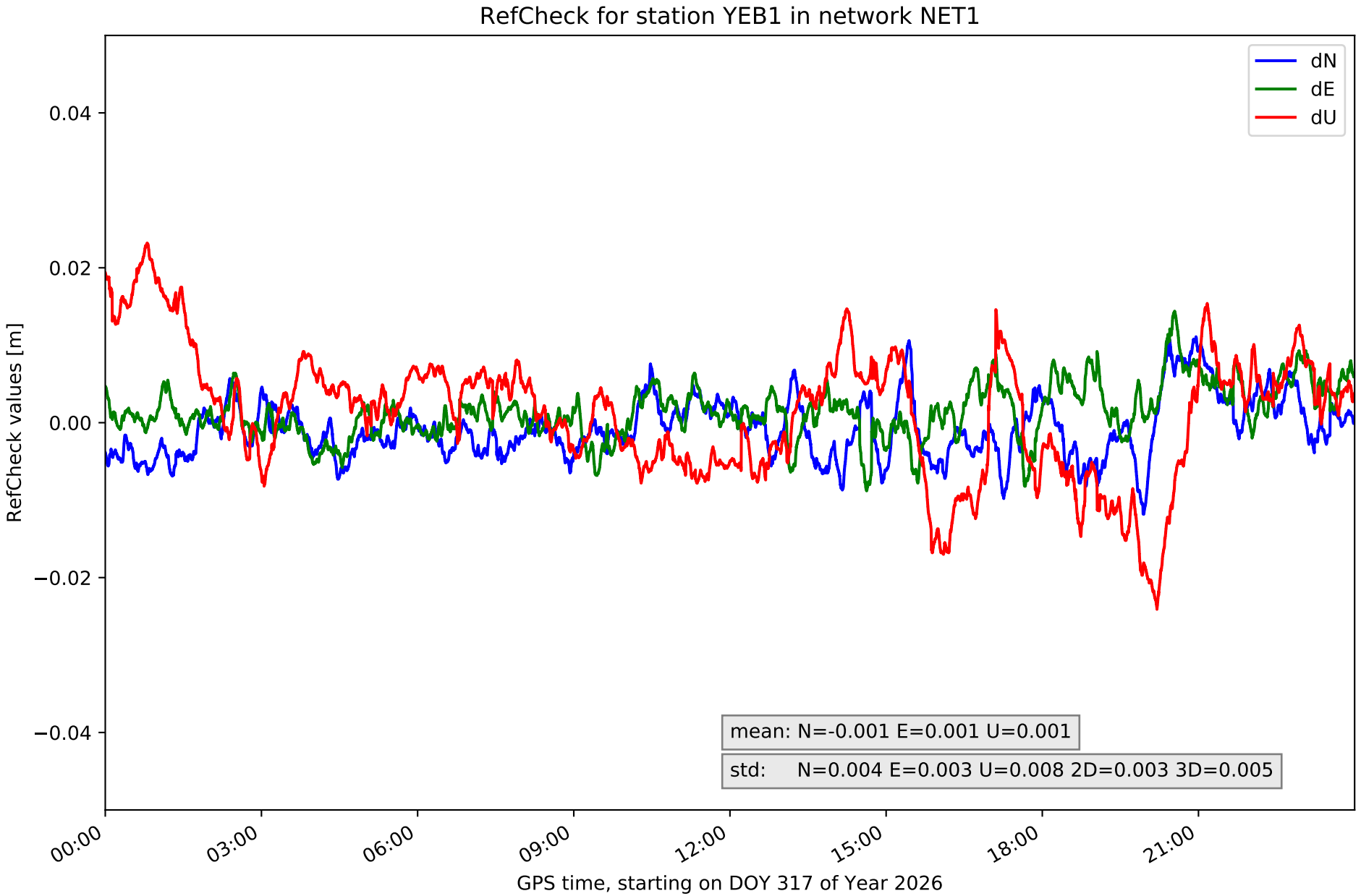

RefCheck for station PEN1 in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.003 E=0.002 U=-0.003
std: N=0.005 E=0.004 U=0.007 2D=0.004 3D=0.006
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 317 of Year 2026


RefCheck for station RIA1 in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.0 E=-0.001 U=-0.002
std: N=0.005 E=0.003 U=0.006 2D=0.004 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 SGVA in network NET1
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=0.004 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 SMDV in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.003 E=0.004 U=-0.001
std: N=0.006 E=0.004 U=0.013 2D=0.004 3D=0.008
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 TALV in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.003 E=0.002 U=0.002
std: N=0.005 E=0.004 U=0.01 2D=0.005 3D=0.006
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 YEB1 in network NET1
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=0.004 E=0.003 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 values for network NET1

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	-0.014	0.017	0.004	-0.009	0.015	0.003	-0.015	0.029	0.008	0.003	0.006	4982	7.2	2915	4.2
ARAJ	-0.013	0.013	0.004	-0.01	0.009	0.003	-0.014	0.025	0.007	0.003	0.005	3615	5.2	2467	3.5
ARSP	-0.016	**0.028**	**0.006**	-0.02	0.017	**0.005**	-0.043	0.019	0.012	0.004	**0.008**	**17357**	**25.0**	**19016**	**27.3**
AVI2	-0.009	0.014	0.004	-0.01	0.014	0.004	-0.015	0.02	0.006	0.003	0.004	9340	13.4	648	0.9
BUIT	-0.019	0.006	0.004	-0.011	0.008	0.004	-0.011	0.031	0.009	0.004	0.006	12931	18.6	13462	19.4
GMSR	-0.022	0.011	0.005	-0.011	0.011	0.003	-0.023	**0.035**	0.007	0.003	0.005	4871	7.0	1826	2.6
IGNE	-0.007	0.014	0.003	-0.007	0.011	0.003	-0.019	0.024	0.008	0.002	0.004	1524	2.2	1393	2.0
MAD1	-0.009	0.011	0.003	-0.007	0.011	0.003	-0.016	0.021	0.007	0.002	0.004	1082	1.6	616	0.9
NVDA	-0.007	0.009	0.003	-0.007	0.012	0.003	-0.023	0.024	0.008	0.002	0.004	616	0.9	1032	1.5
OLM1	-0.011	0.015	0.004	-0.018	0.009	0.004	-0.017	0.013	0.006	0.003	0.004	7863	11.3	163	0.2
ORUS	-0.013	0.01	0.004	-0.011	0.013	0.003	-0.012	0.029	0.007	0.003	0.006	2548	3.7	5327	7.7
PEN1	-0.021	0.015	0.005	-0.009	0.014	0.004	-0.037	0.014	0.007	0.004	0.006	8378	12.0	3226	4.6
RIA1	-0.022	0.017	0.005	-0.013	0.009	0.003	-0.021	0.017	0.006	0.004	0.005	5396	7.8	1093	1.6
SGVA	-0.009	0.015	0.004	-0.011	0.013	0.003	-0.021	0.016	0.007	0.003	0.004	3883	5.6	932	1.3
SMDV	**-0.034**	0.007	**0.006**	**-0.027**	0.015	0.004	**-0.05**	0.028	**0.013**	0.004	**0.008**	16550	23.8	10964	15.8
TALV	-0.007	0.022	0.005	-0.011	**0.03**	0.004	-0.022	0.03	0.01	**0.005**	0.006	11776	16.9	5931	8.5
YEB1	-0.012	0.011	0.004	-0.009	0.014	0.003	-0.024	0.023	0.008	0.003	0.005	3248	4.7	2364	3.4
Mean	**-0.014**	**0.014**	**0.004**	**-0.012**	**0.013**	**0.003**	**-0.023**	**0.023**	**0.008**	**0.003**	**0.005**	**6821.2**	**9.8**	**4316.2**	**6.2**
Min/Max	**-0.034**	**0.028**	**0.006**	**-0.027**	**0.03**	**0.005**	**-0.05**	**0.035**	**0.013**	**0.005**	**0.008**	**17357**	**25.0**	**19016**	**27.3**

fixing statistic for network NET1

fixing percentage of	all GNSS	G	R	E	C
using threshold 0.3	94.6	95.4	95.4	95.2	92.7
considering satellites with dual-frequency fixed	92.7	93.7	93.2	93.5	89.8
considering all signals separately	92.8	93.9	93.2	93.7	88.8