summary for network NET1

timeperiod chosen: from 2026-11-09-00:00:00 until 2026-11-09-23:59:59

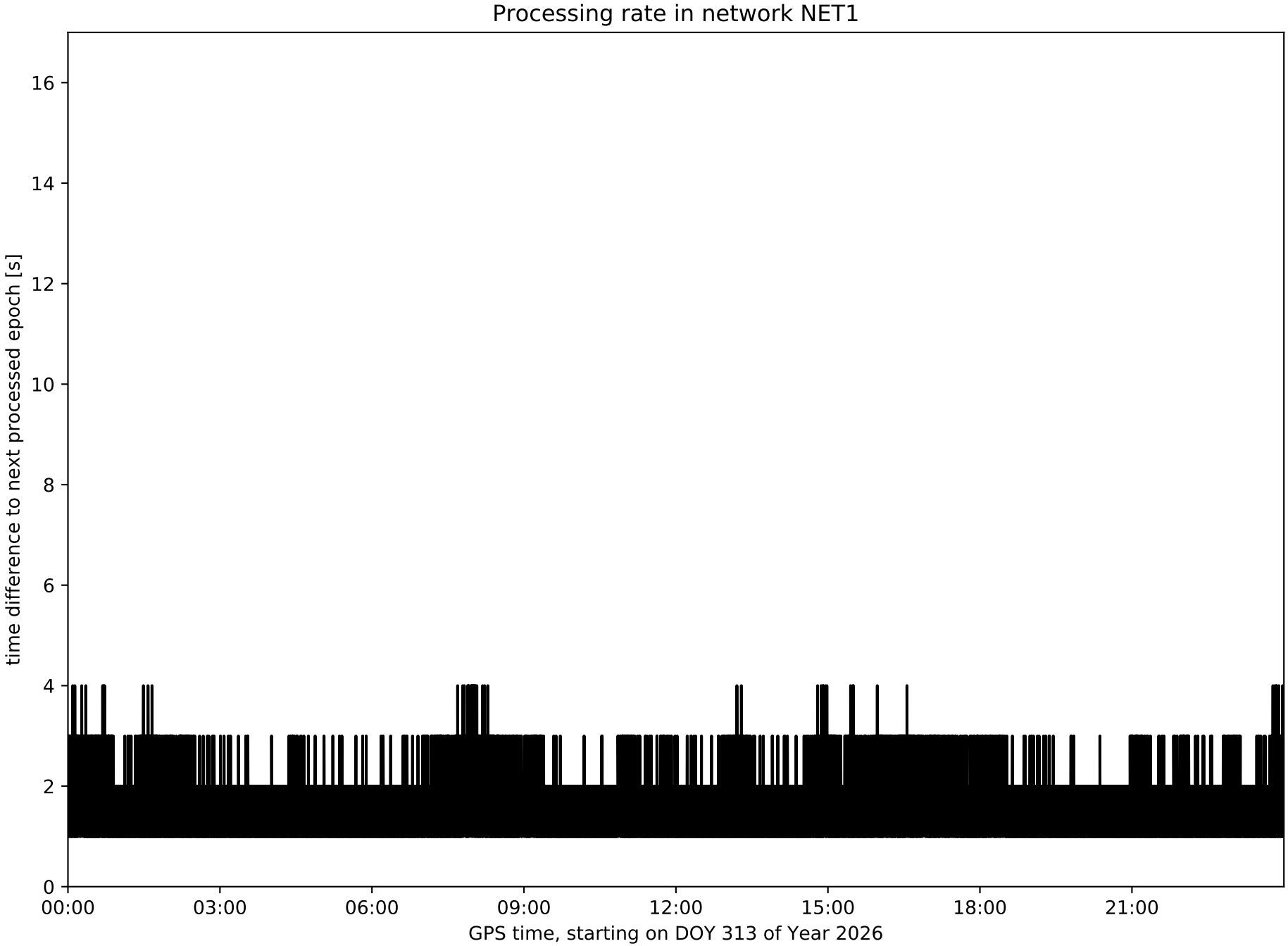
average update rate (durations larger than 15 seconds considered as observation gap): 1.5 seconds

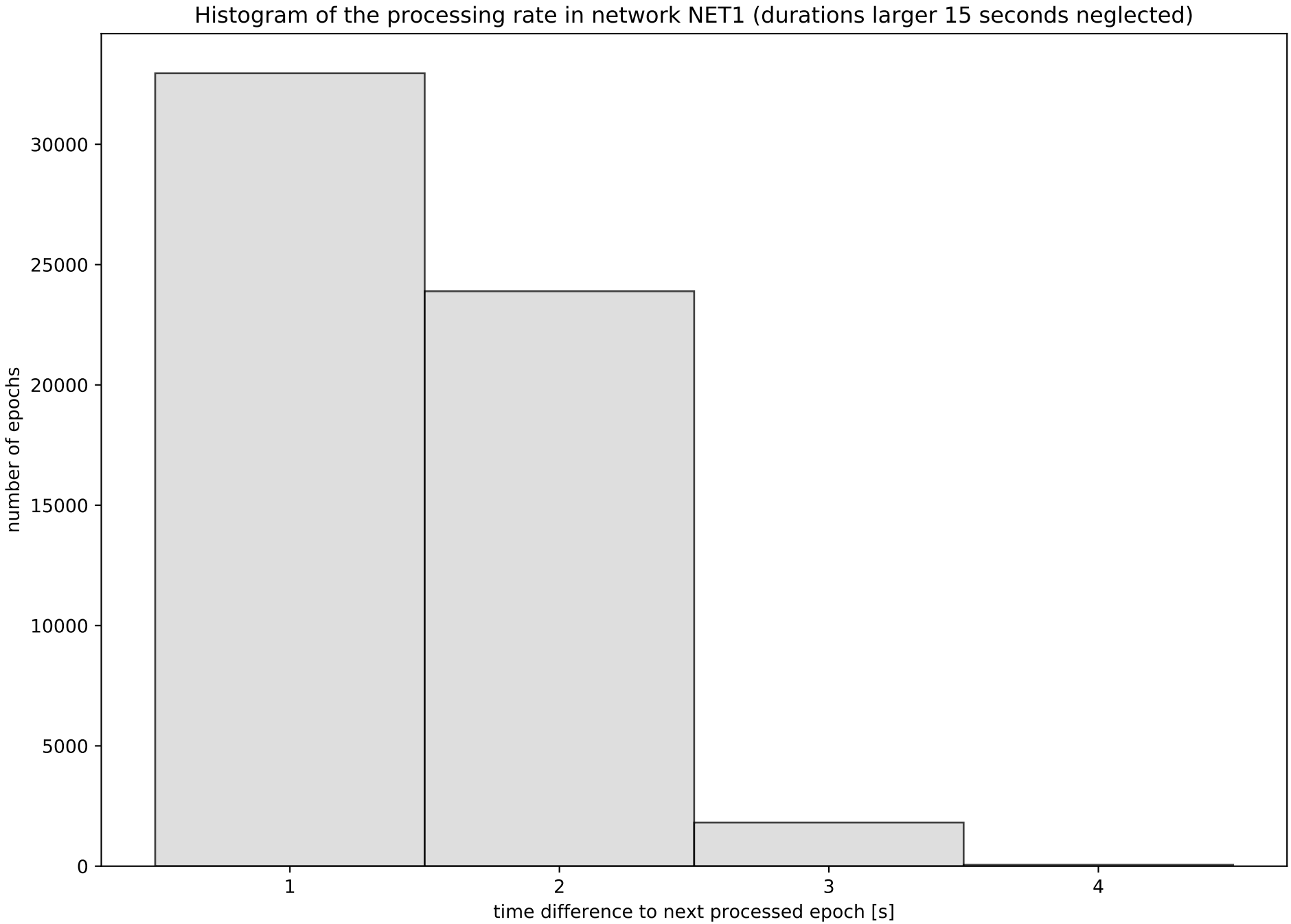
average fixing percentage with threshold set to 0.3: 93.1 percent

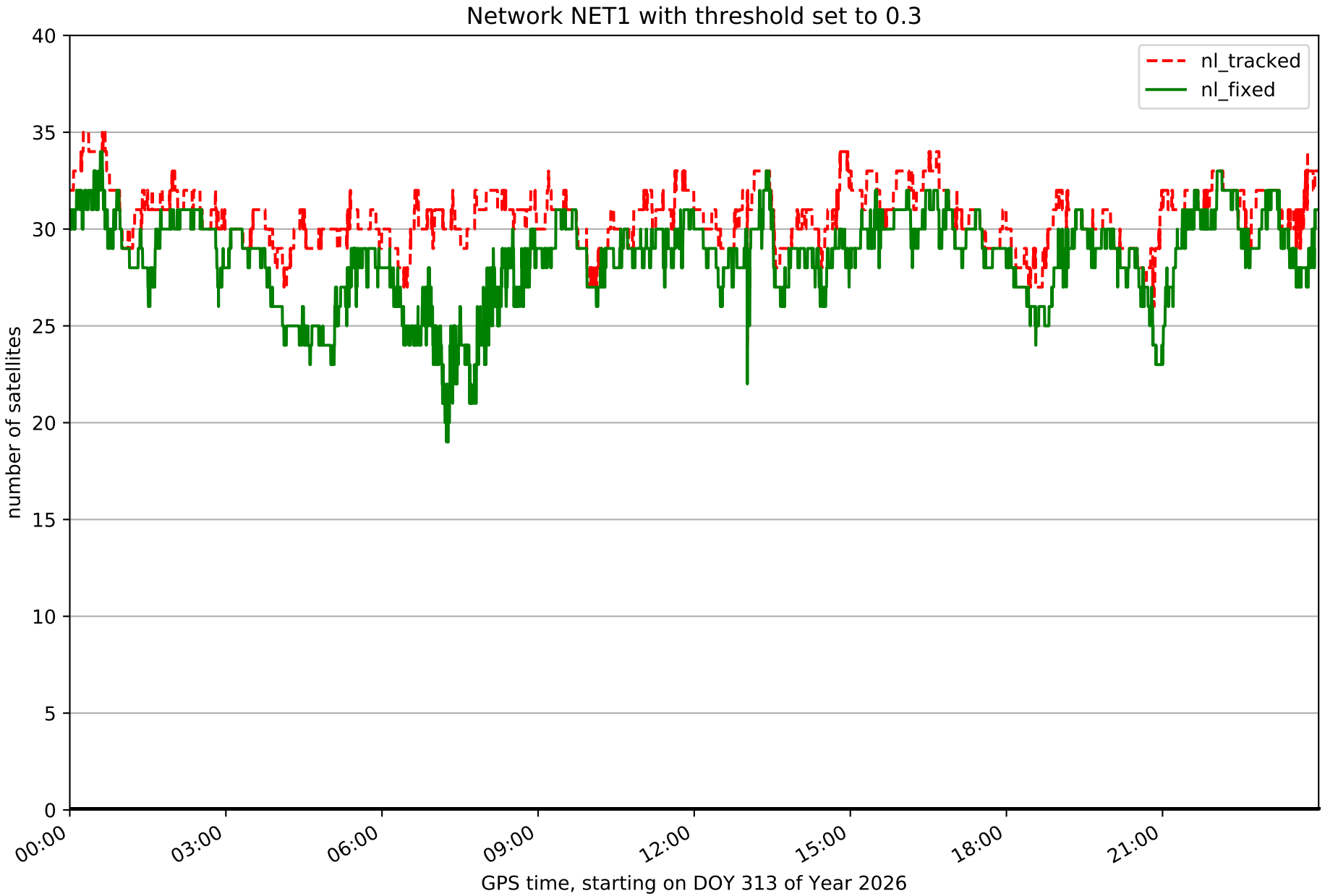
stations available: 17 of 17

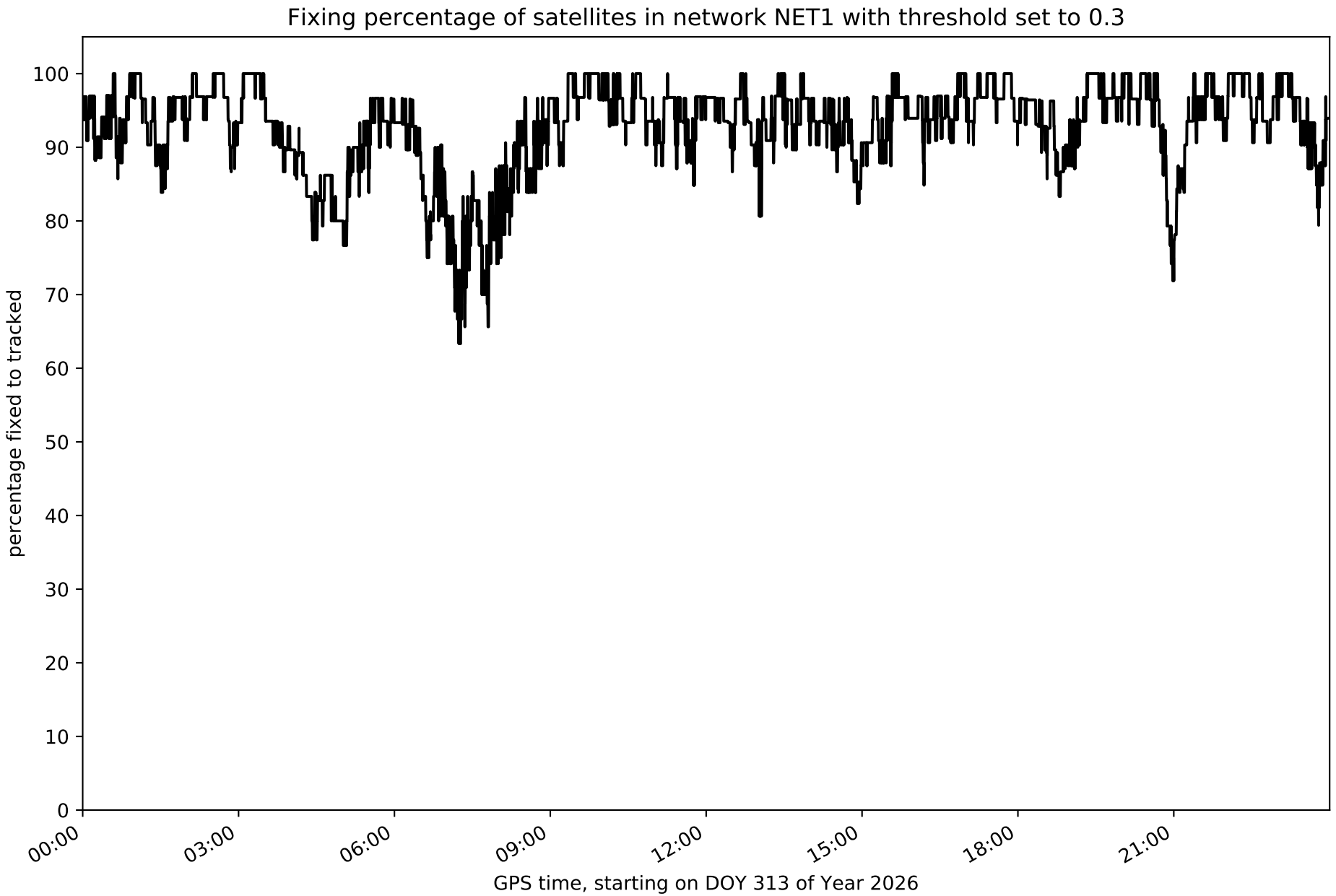
station information:

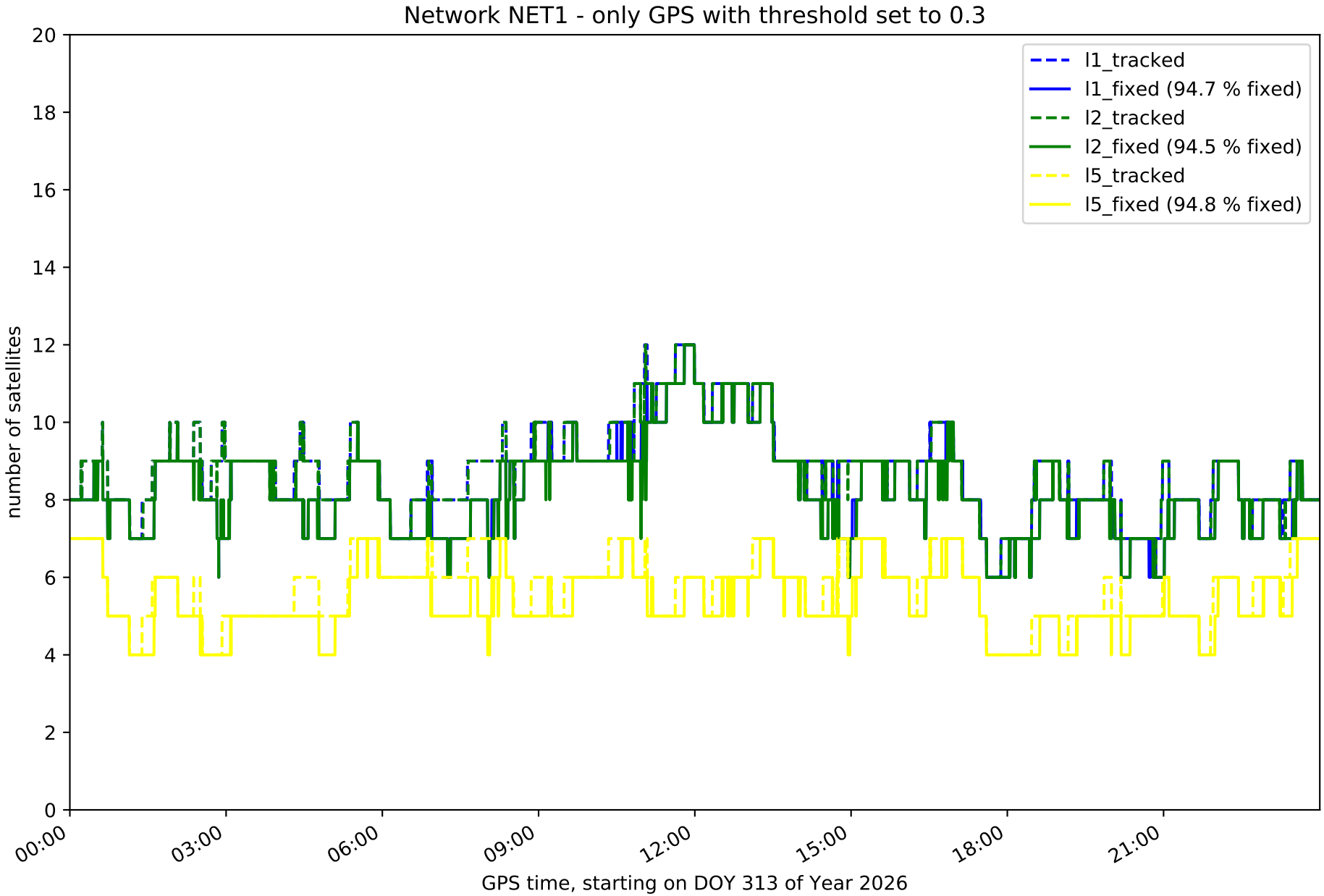
station ALMZ:	antenna: LEIAR20 LEIM	receiver: LEICA GR50	height: 1019.454
station ARAJ:	antenna: LEIAR20 LEIM	receiver: LEICA GR50	height: 580.917
station ARSP:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 638.139
station AVI2:	antenna: TRM59900.00 SCIS	receiver: TRIMBLE NETR9	height: 1206.511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

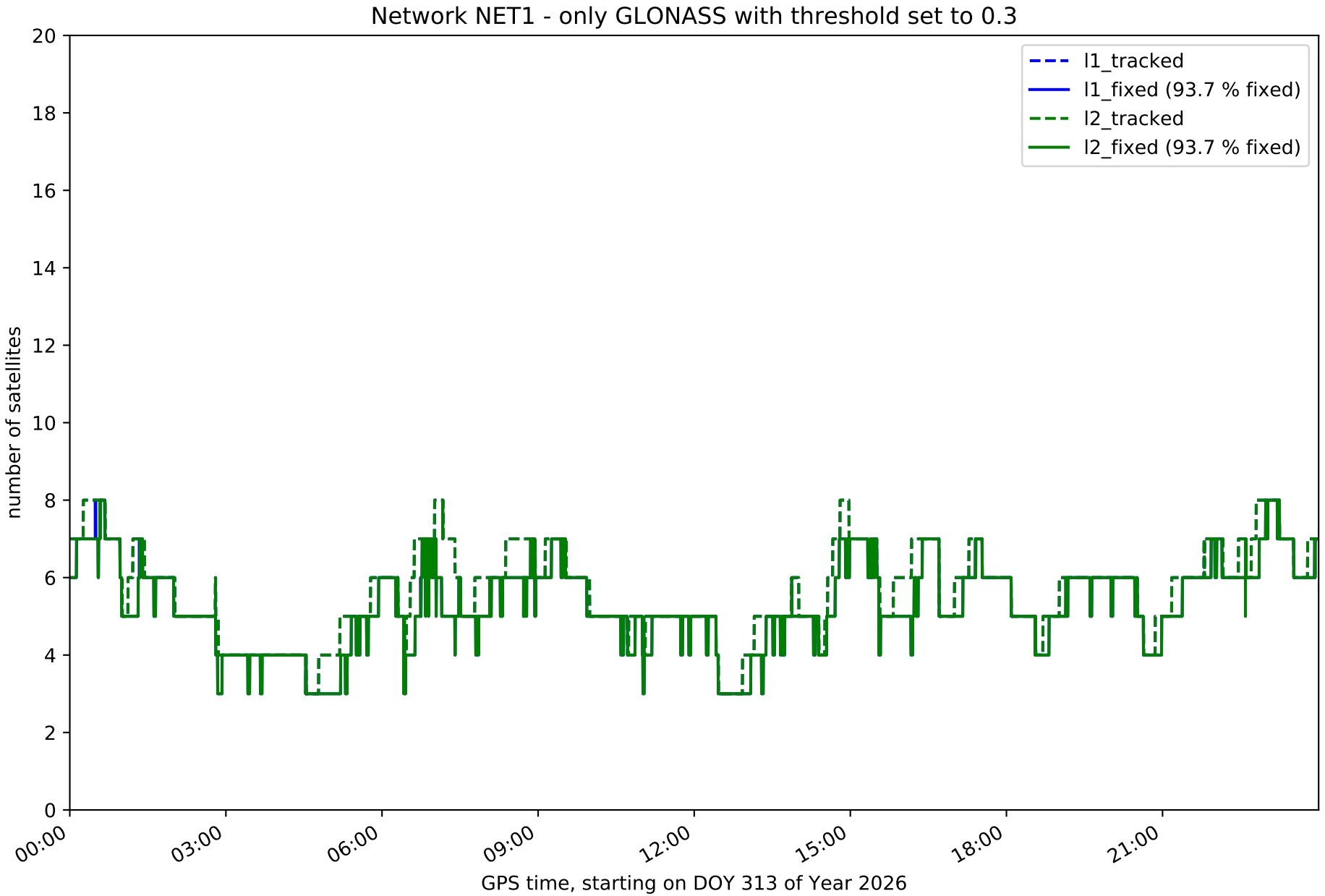

Processing rate in network NET1
time difference to next processed epoch [s]
0
2
4
6
8
10
12
14
16
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

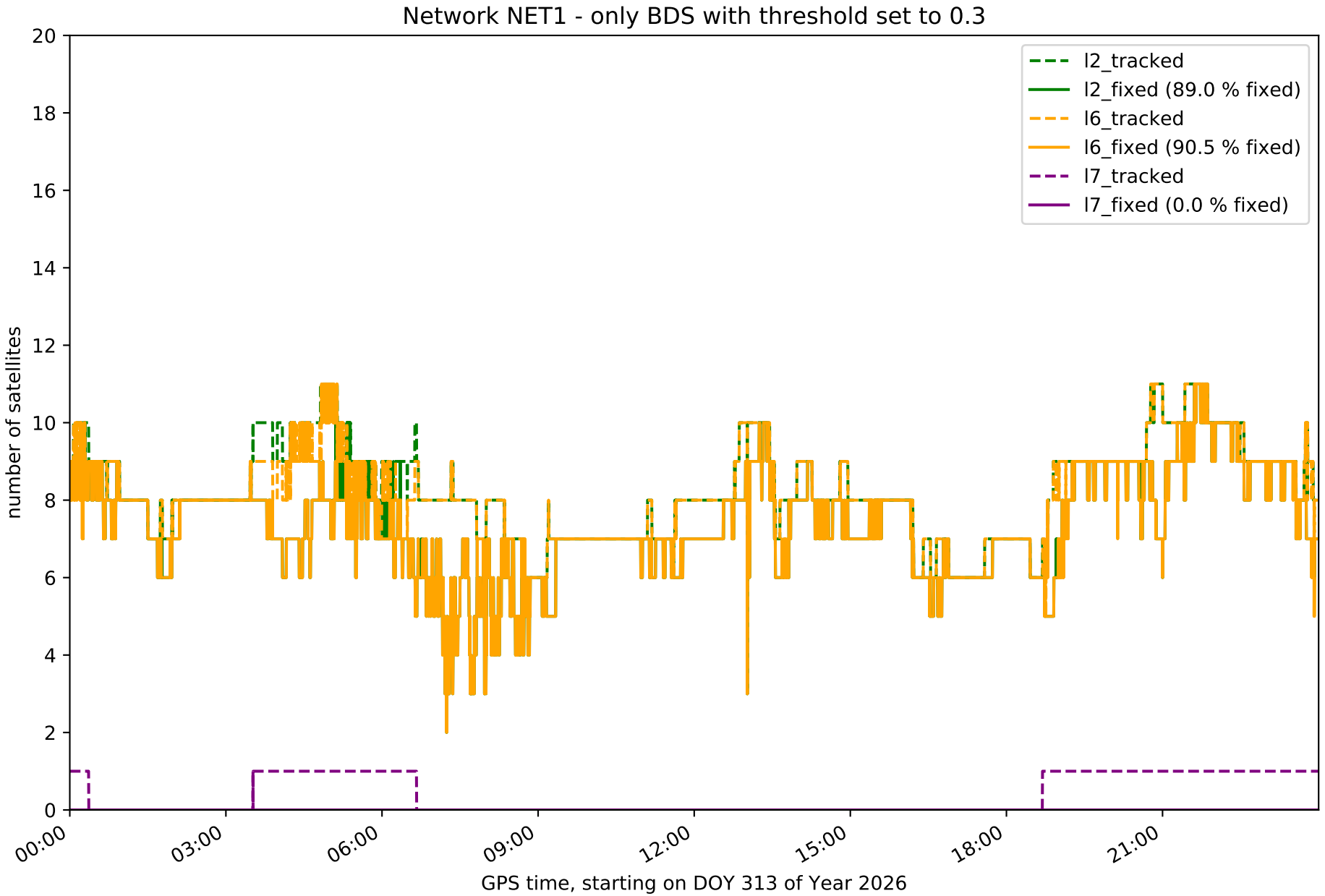

Histogram of the processing rate in network NET1 (durations larger 15 seconds neglected)
number of epochs
0
5000
10000
15000
20000
25000
30000
1
2
3
4
time difference to next processed epoch [s]

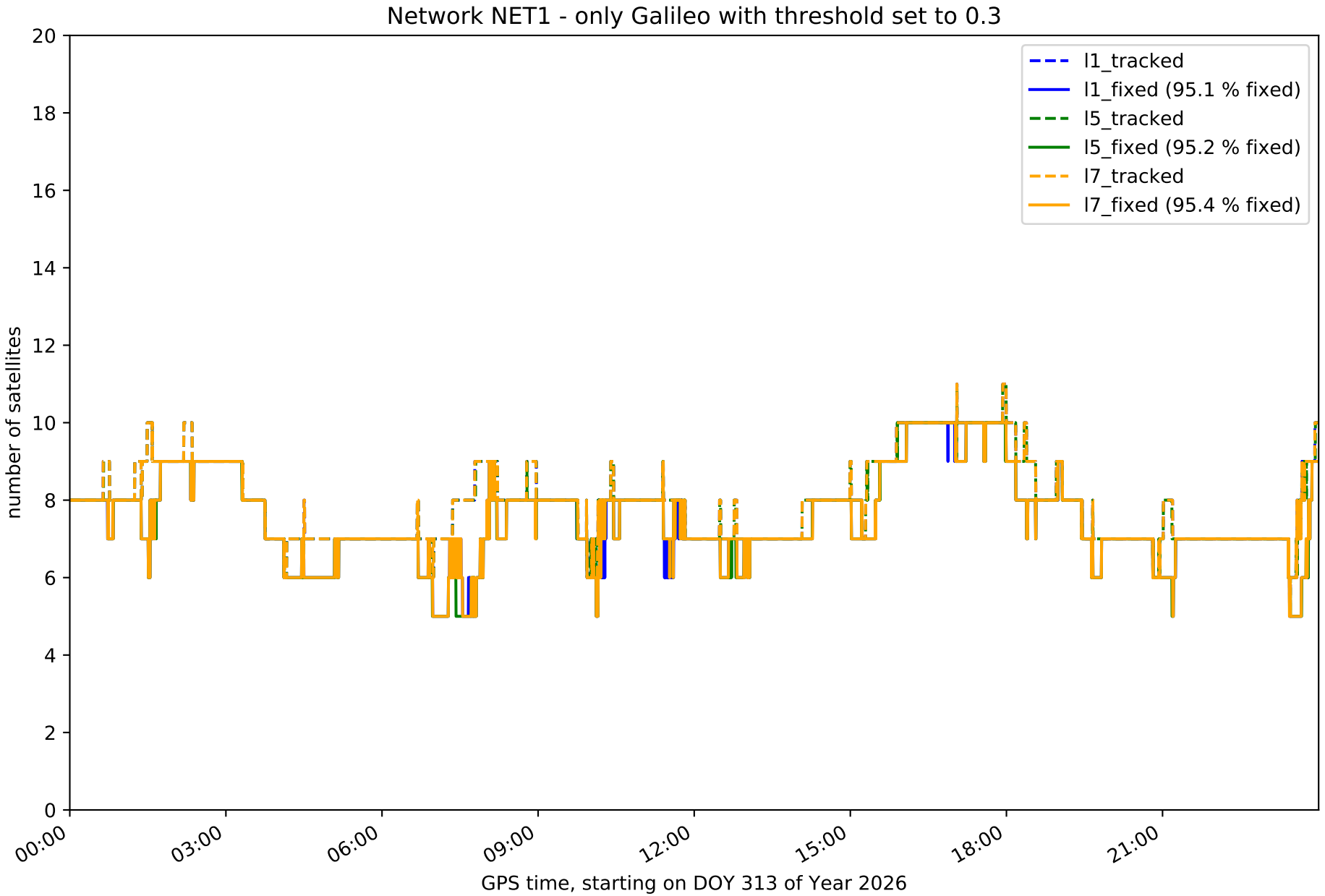

Network NET1 with threshold set to 0.3
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
40
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

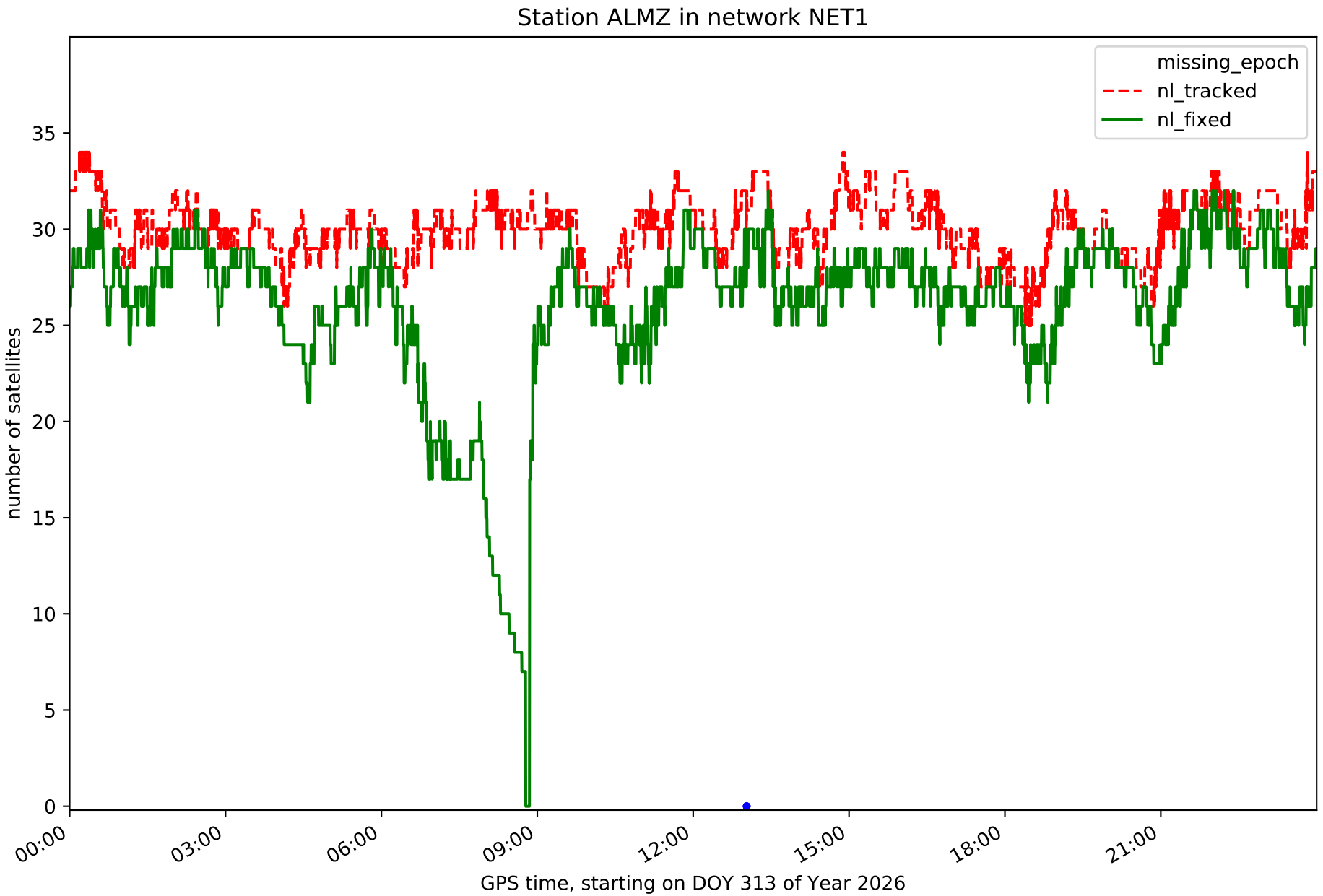

Fixing percentage of satellites in network NET1 with threshold set to 0.3
percentage fixed to tracked
100
90
80
70
60
50
40
30
20
10
0
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

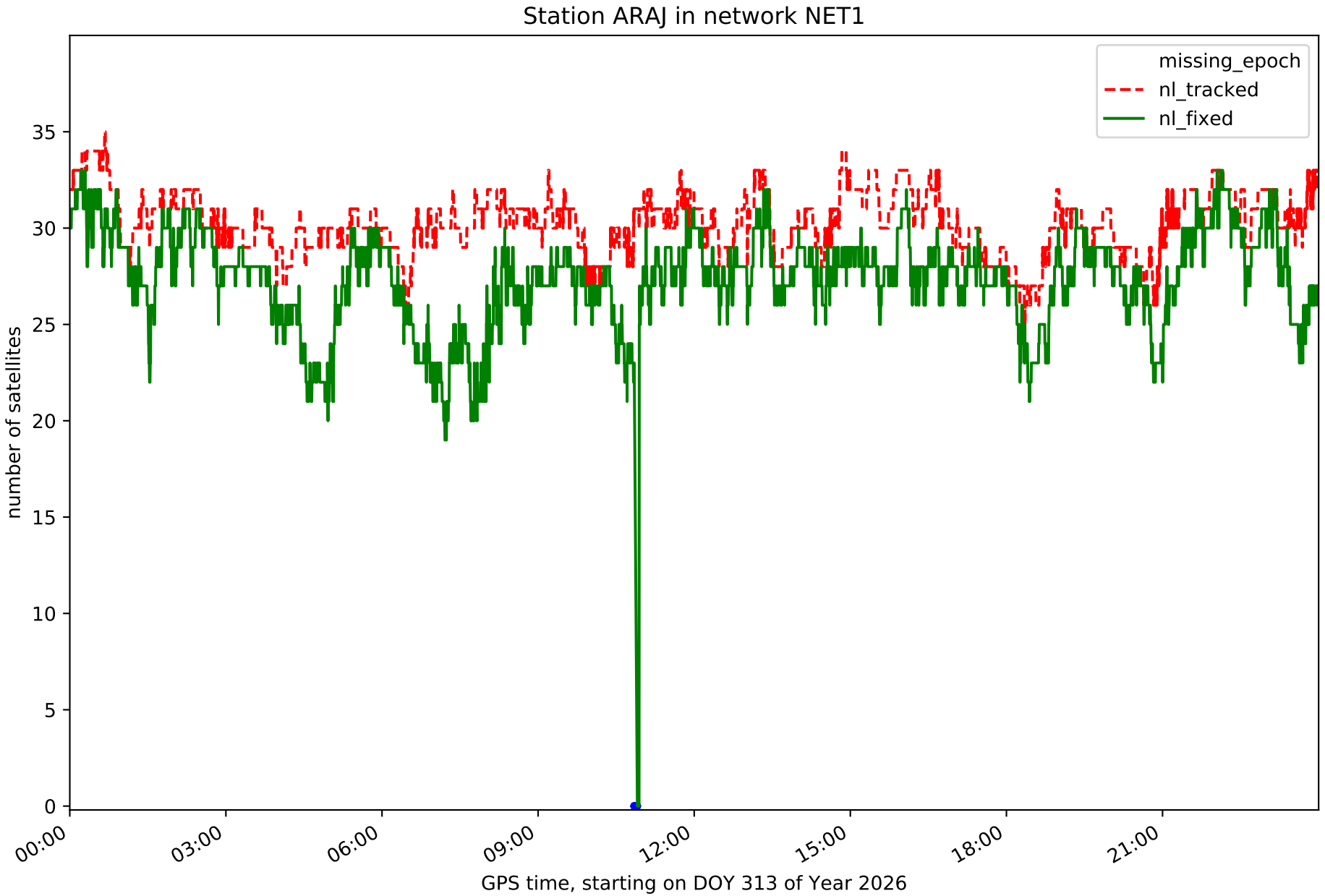

Network NET1 - only GPS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 313 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
l1_tracked
l1_fixed (94.7 % fixed)
l2_tracked
l2_fixed (94.5 % fixed)
l5_tracked
l5_fixed (94.8 % fixed)

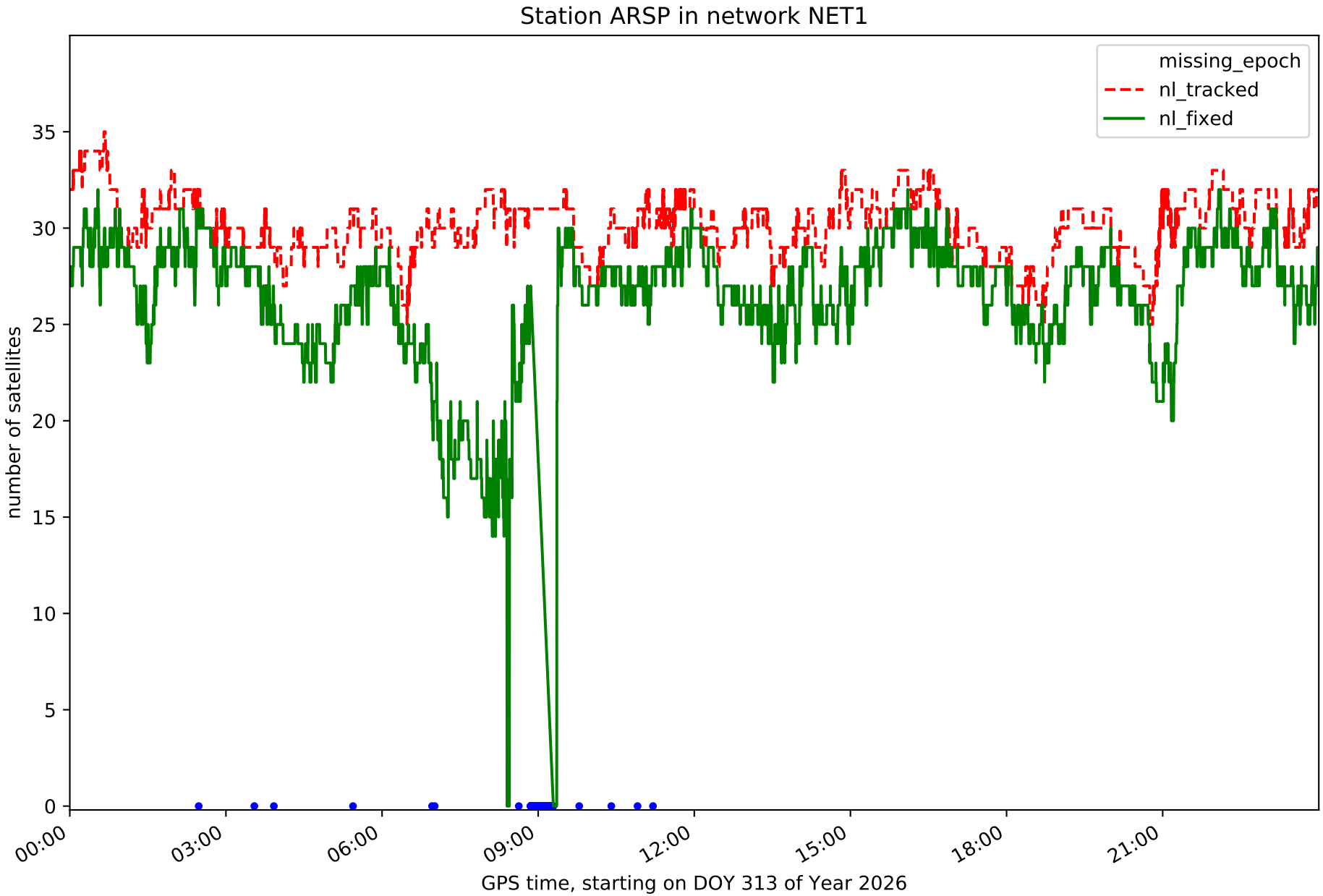

Network NET1 - only GLONASS with threshold set to 0.3
l1_tracked
l1_fixed (93.7 % fixed)
l2_tracked
l2_fixed (93.7 % fixed)
number of satellites
0
2
4
6
8
10
12
14
16
18
20
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

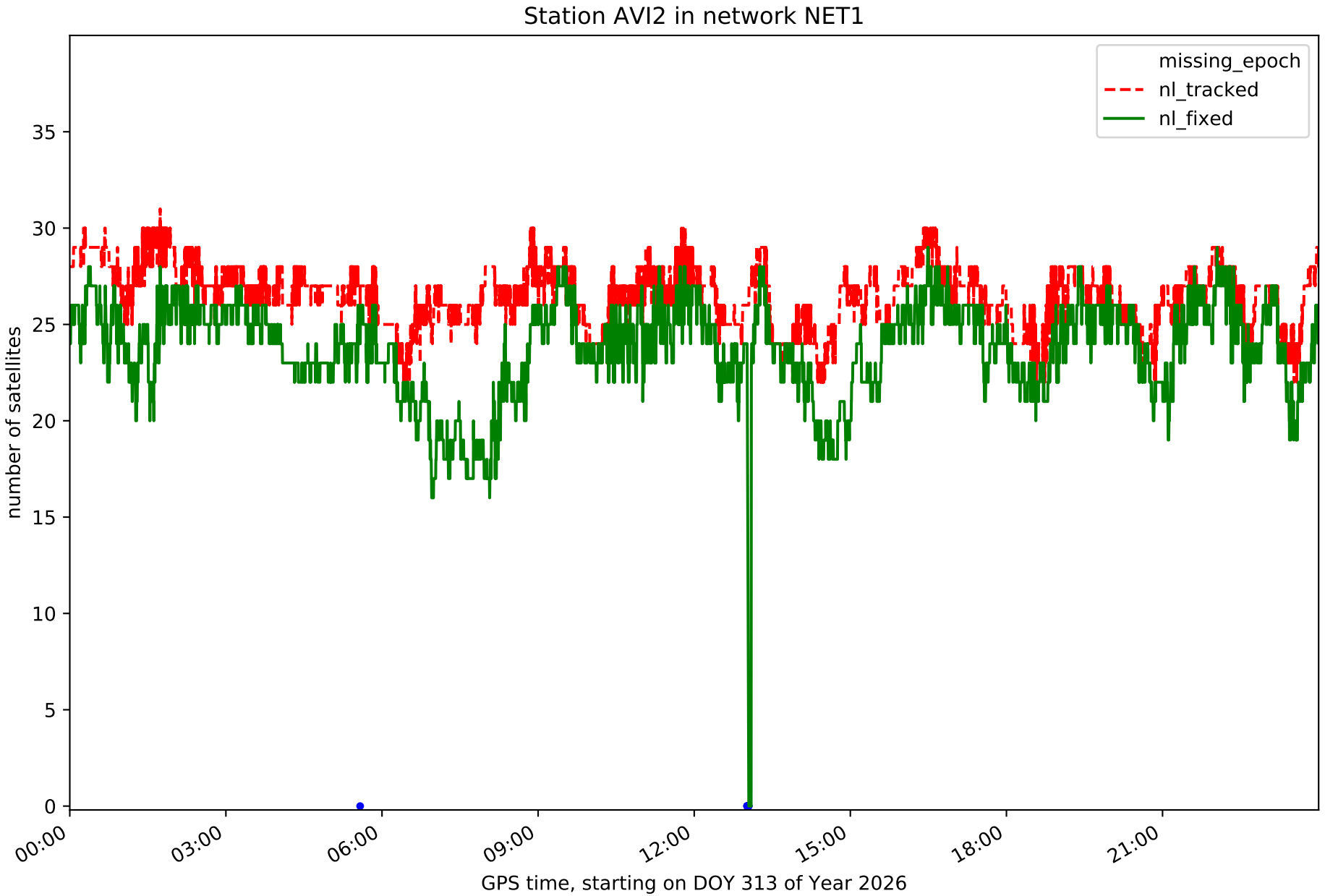

Network NET1 - only BDS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 313 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
I2_tracked
I2_fixed (89.0 % fixed)
I6_tracked
I6_fixed (90.5 % fixed)
I7_tracked
I7_fixed (0.0 % fixed)

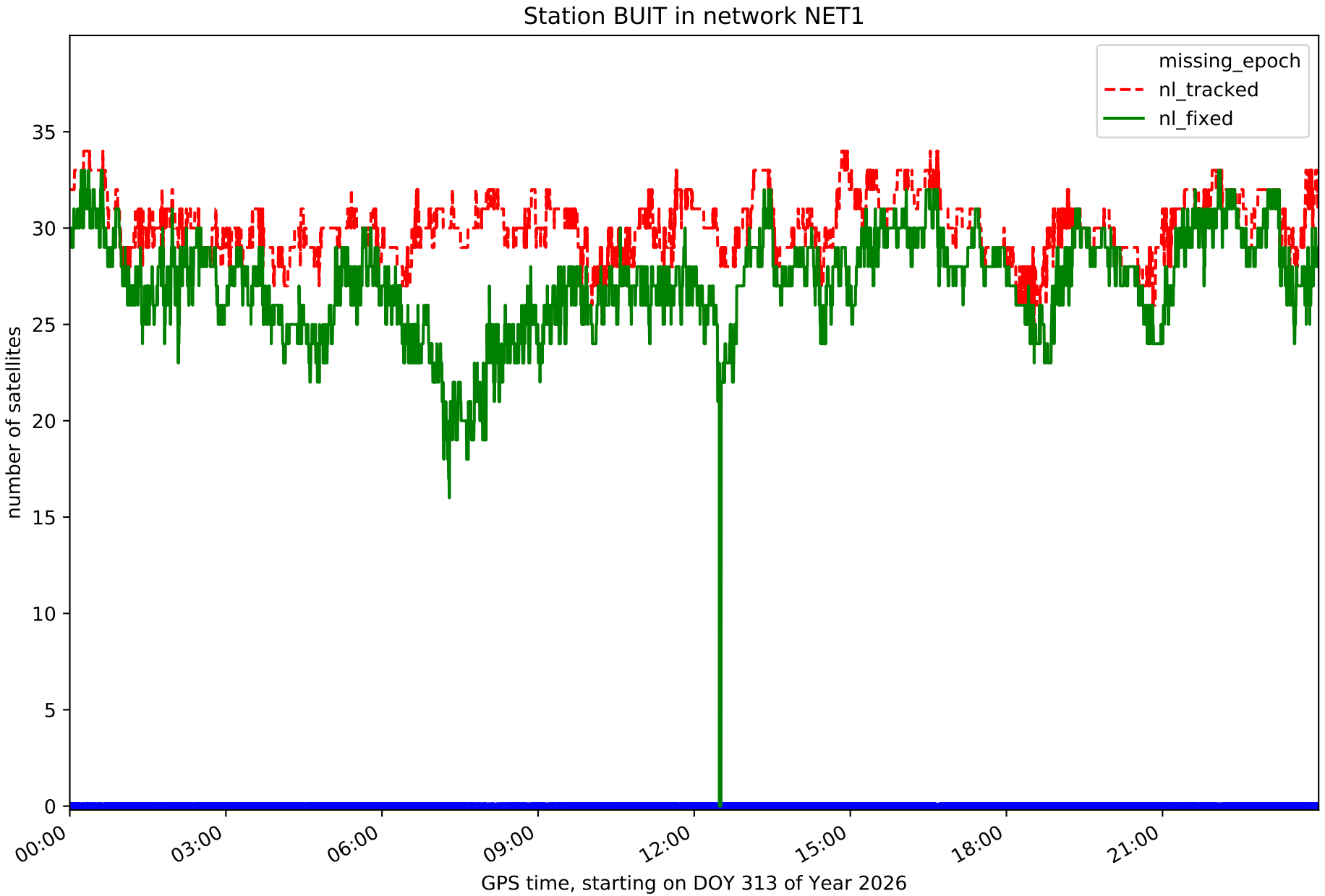

Network NET1 - only Galileo with threshold set to 0.3
number of satellites
GPS time, starting on DOY 313 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
l1_tracked
l1_fixed (95.1 % fixed)
l5_tracked
l5_fixed (95.2 % fixed)
l7_tracked
l7_fixed (95.4 % fixed)

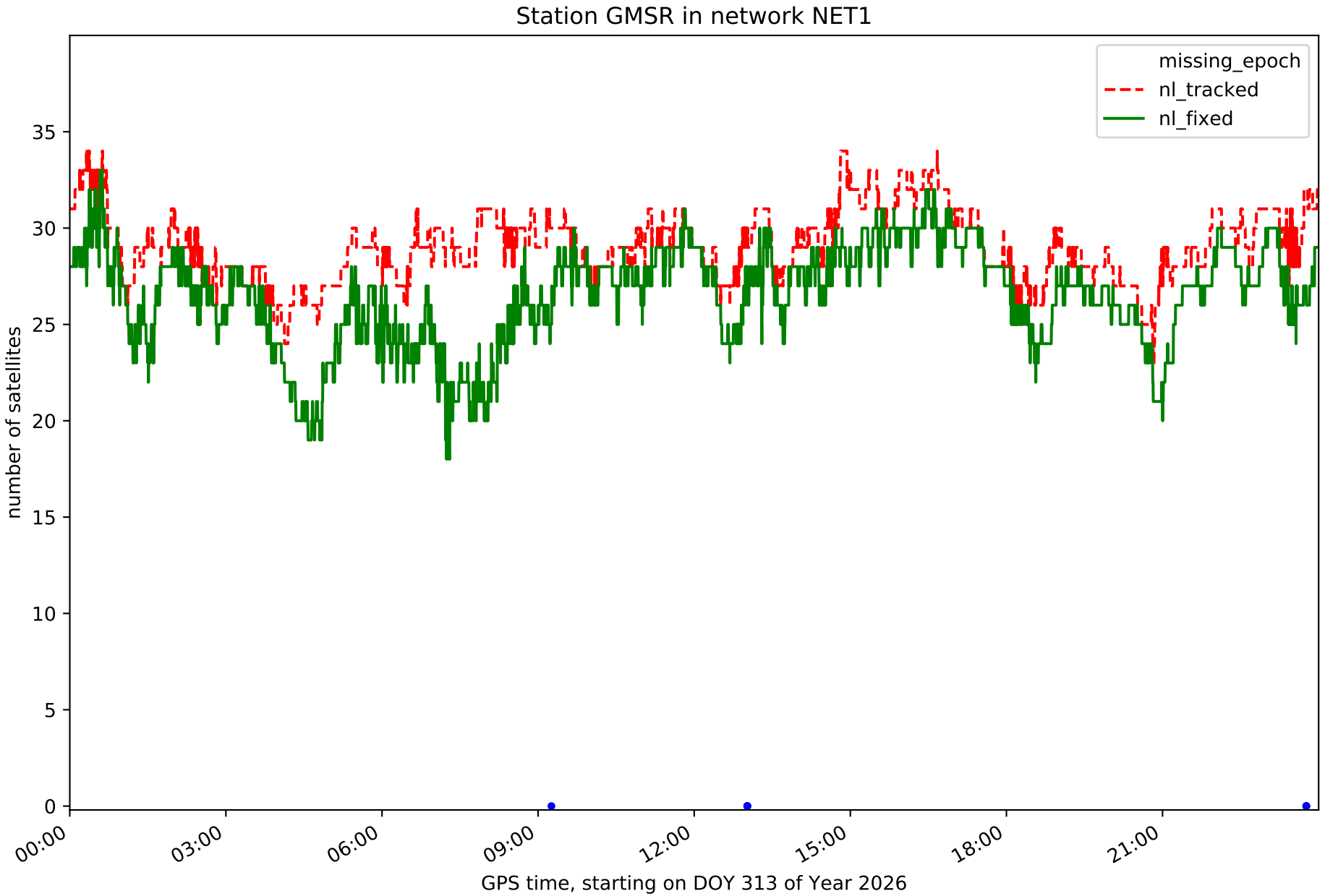

Station ALMZ in network NET1
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

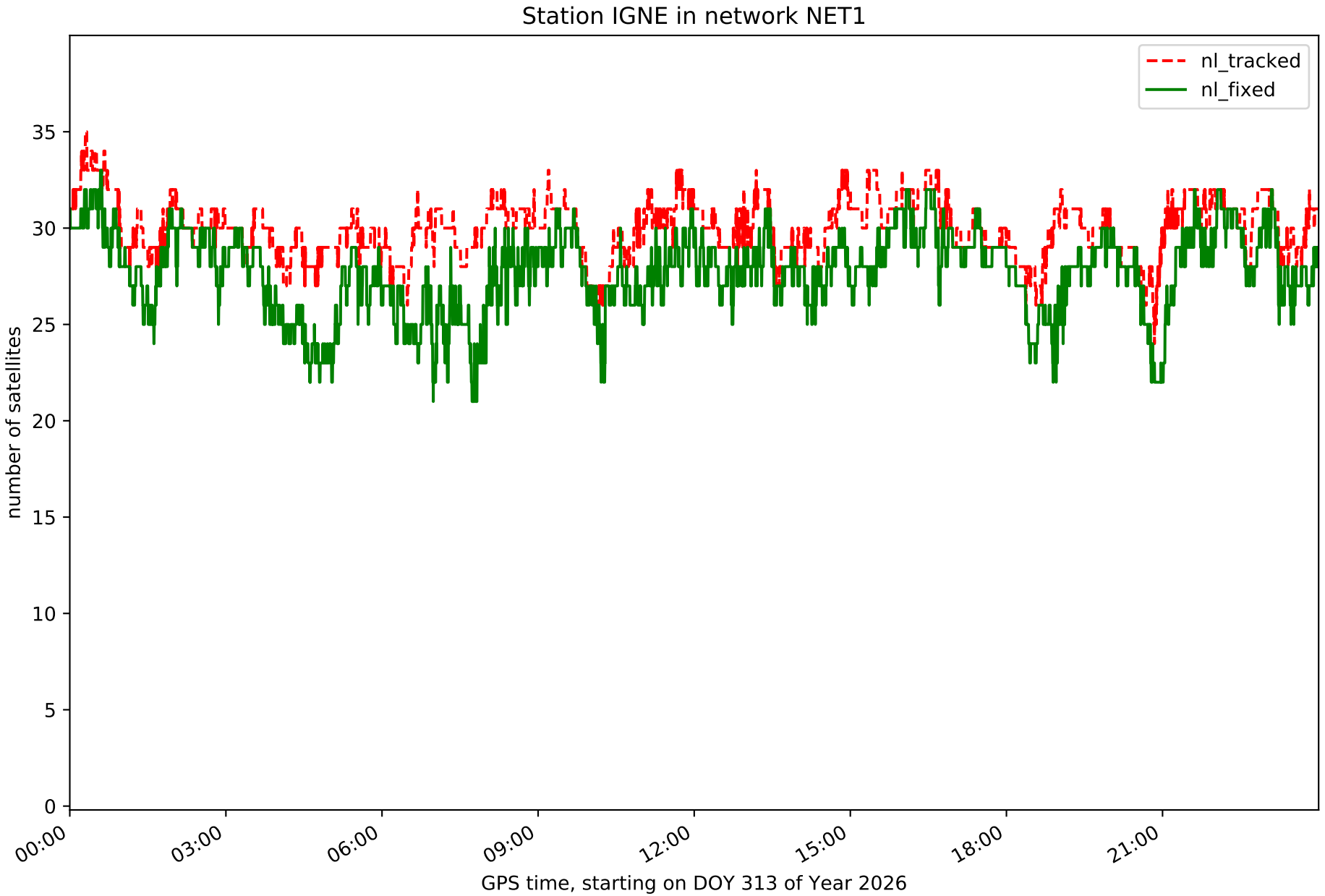

Station ARAJ in network NET1
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

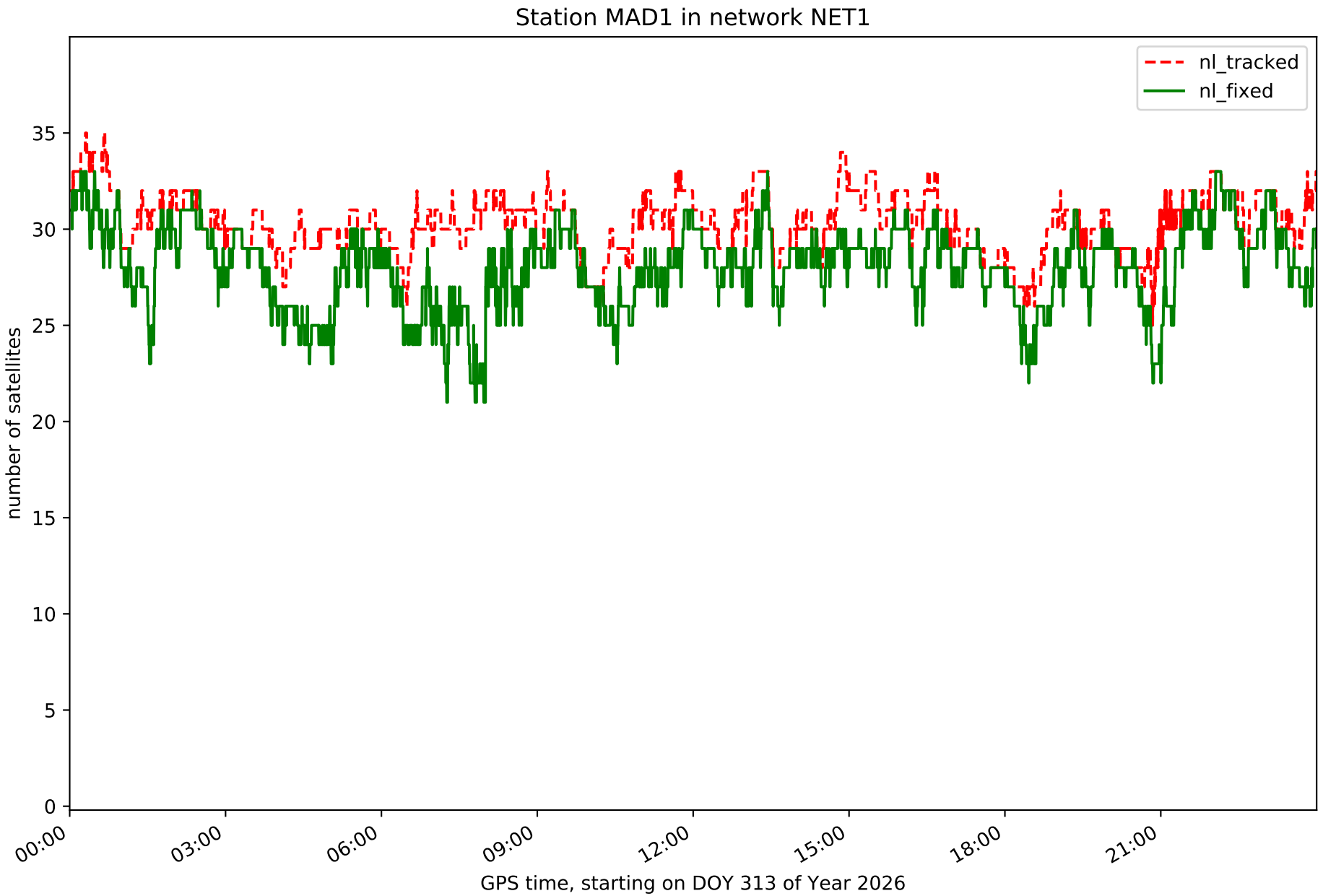

Station ARSP in network NET1
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

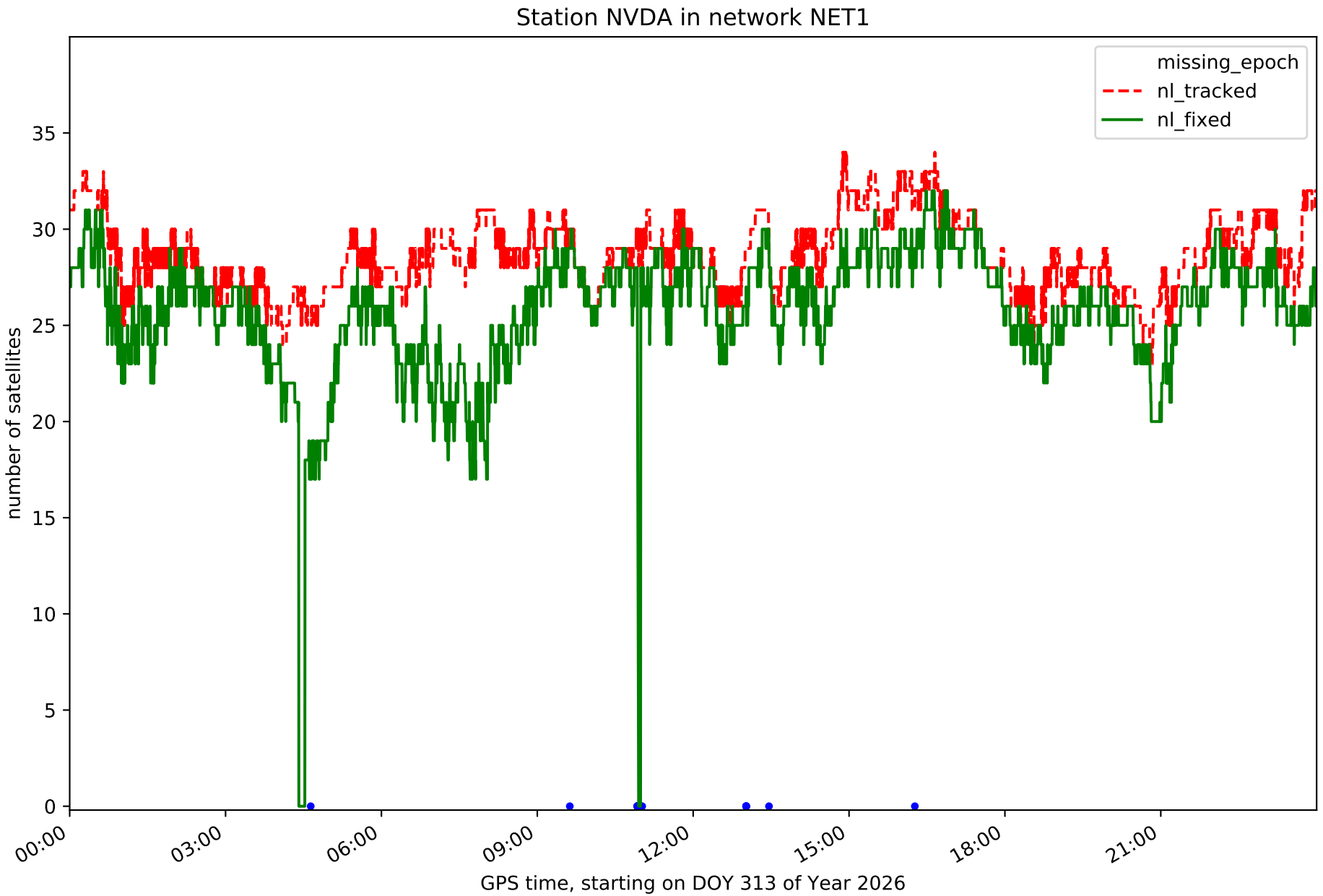

Station AVI2 in network NET1
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

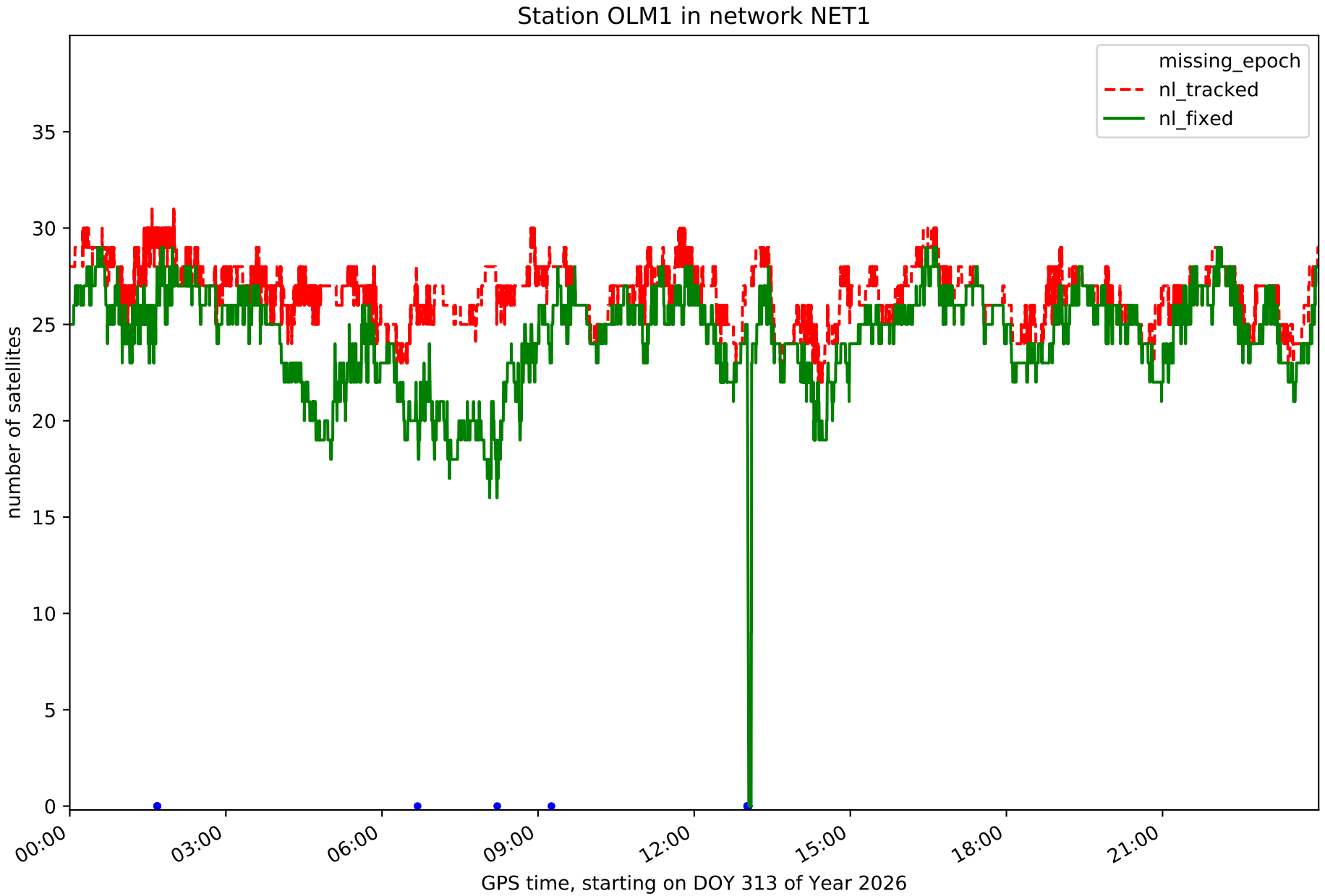

Station BUIT in network NET1
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

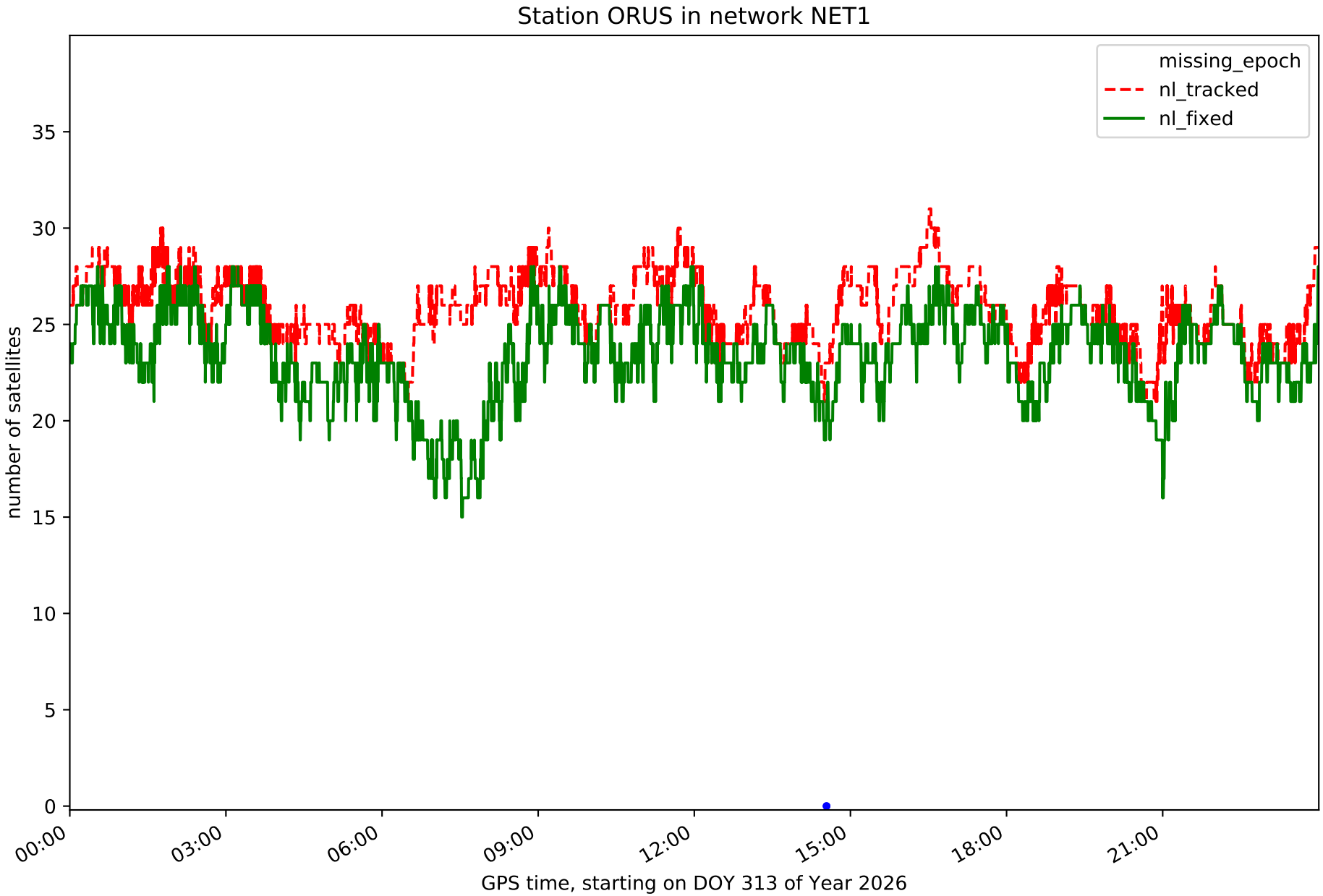

Station GMSR in network NET1
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

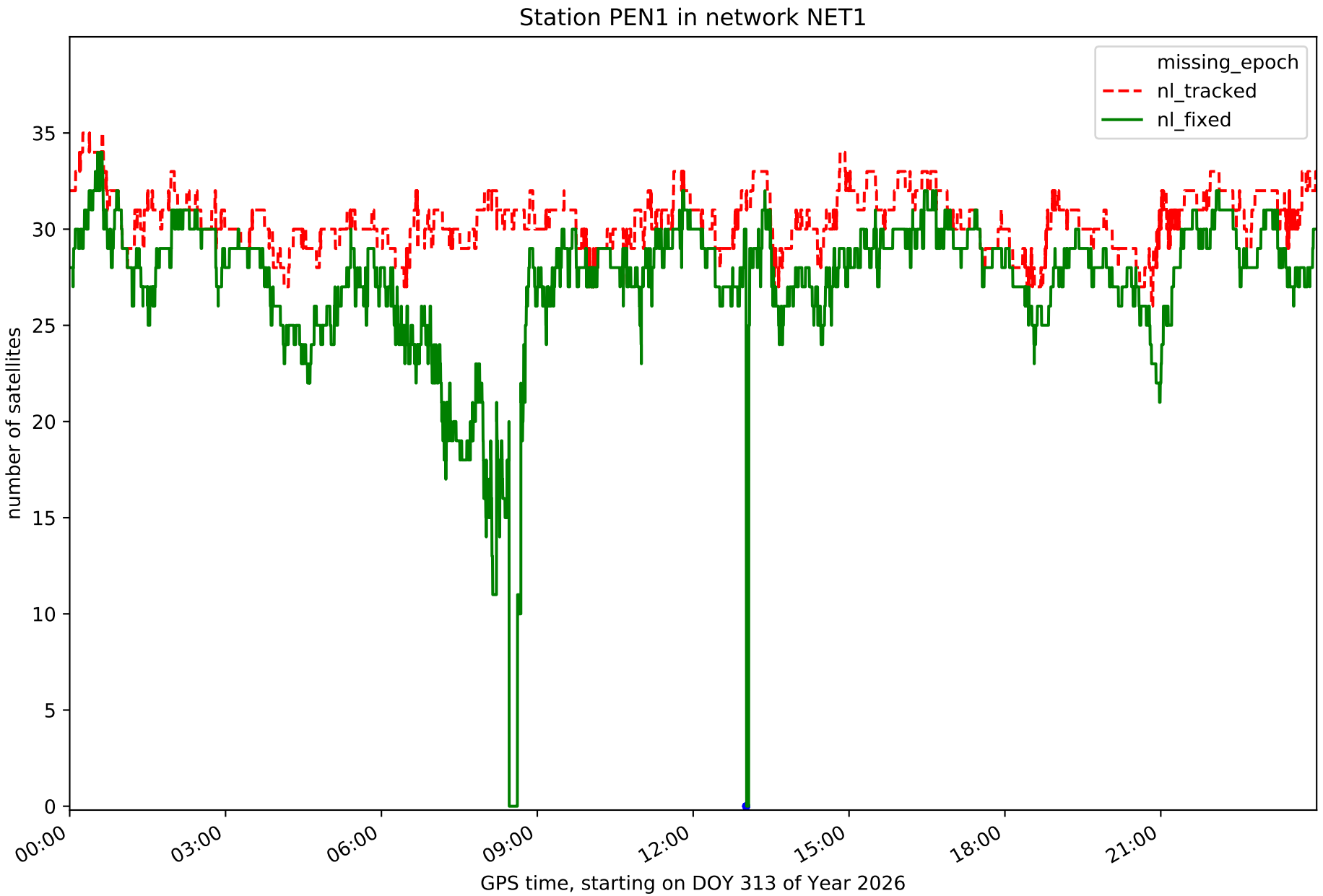

Station IGNE in network NET1
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

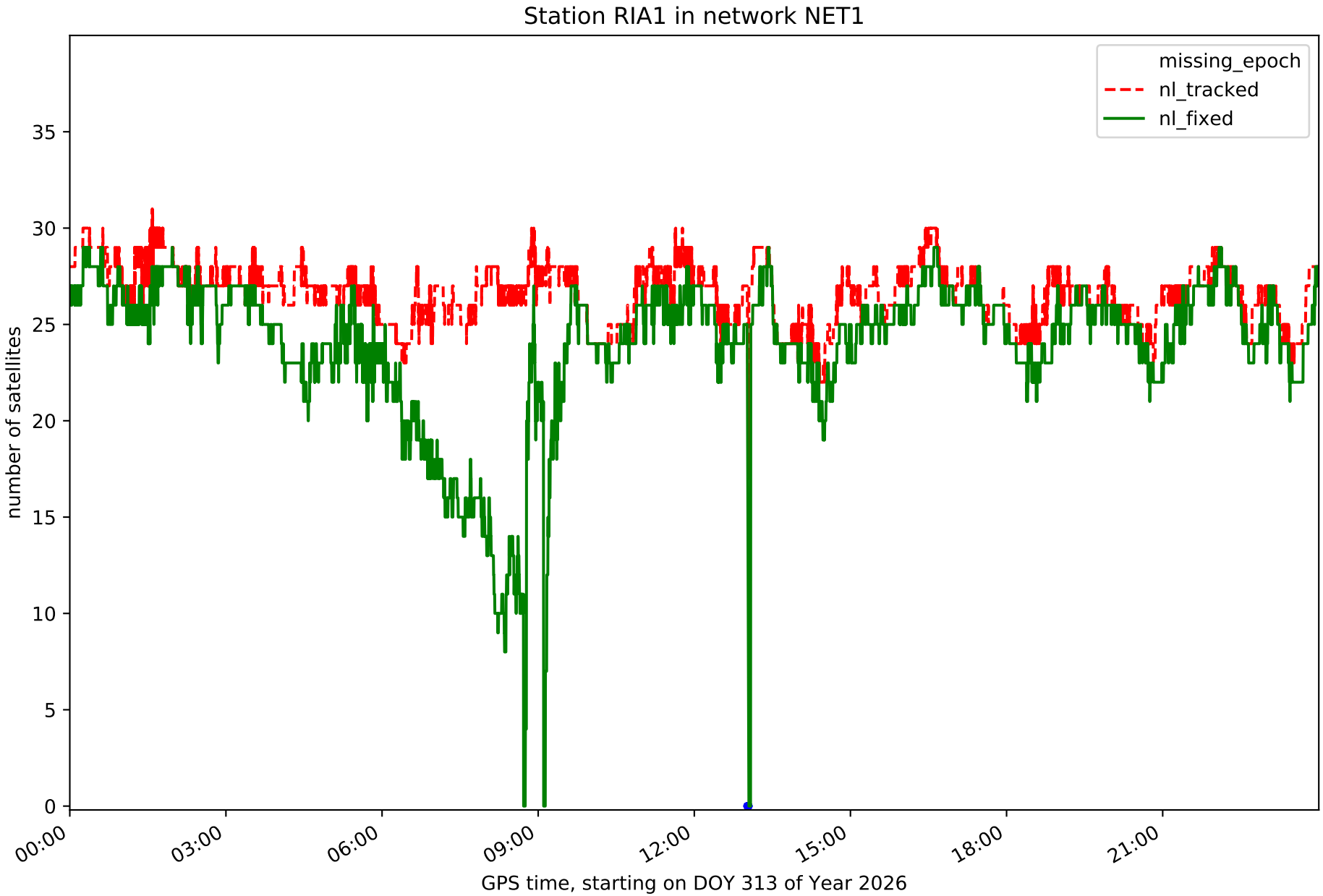

Station MAD1 in network NET1
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

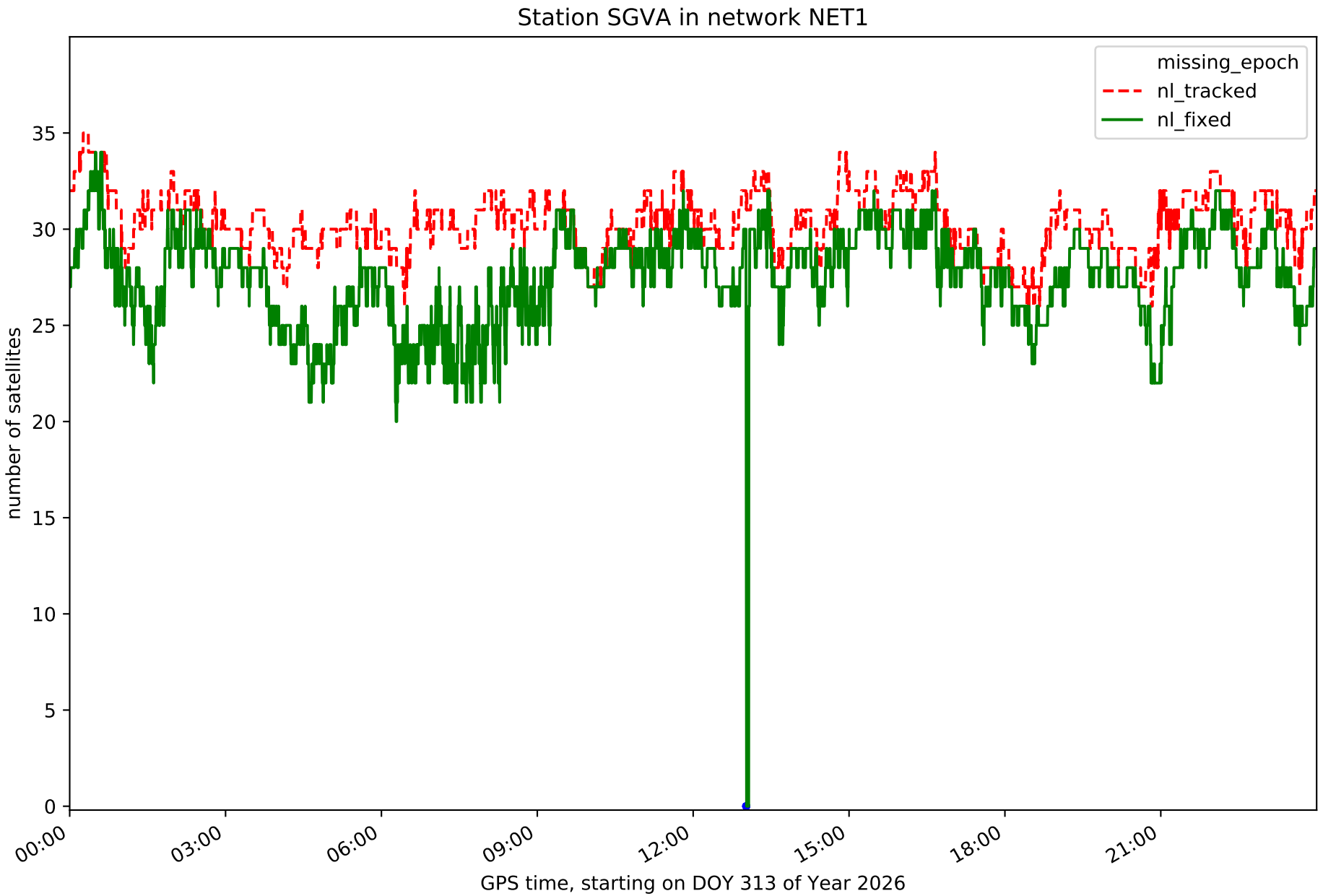

Station NVDA in network NET1
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

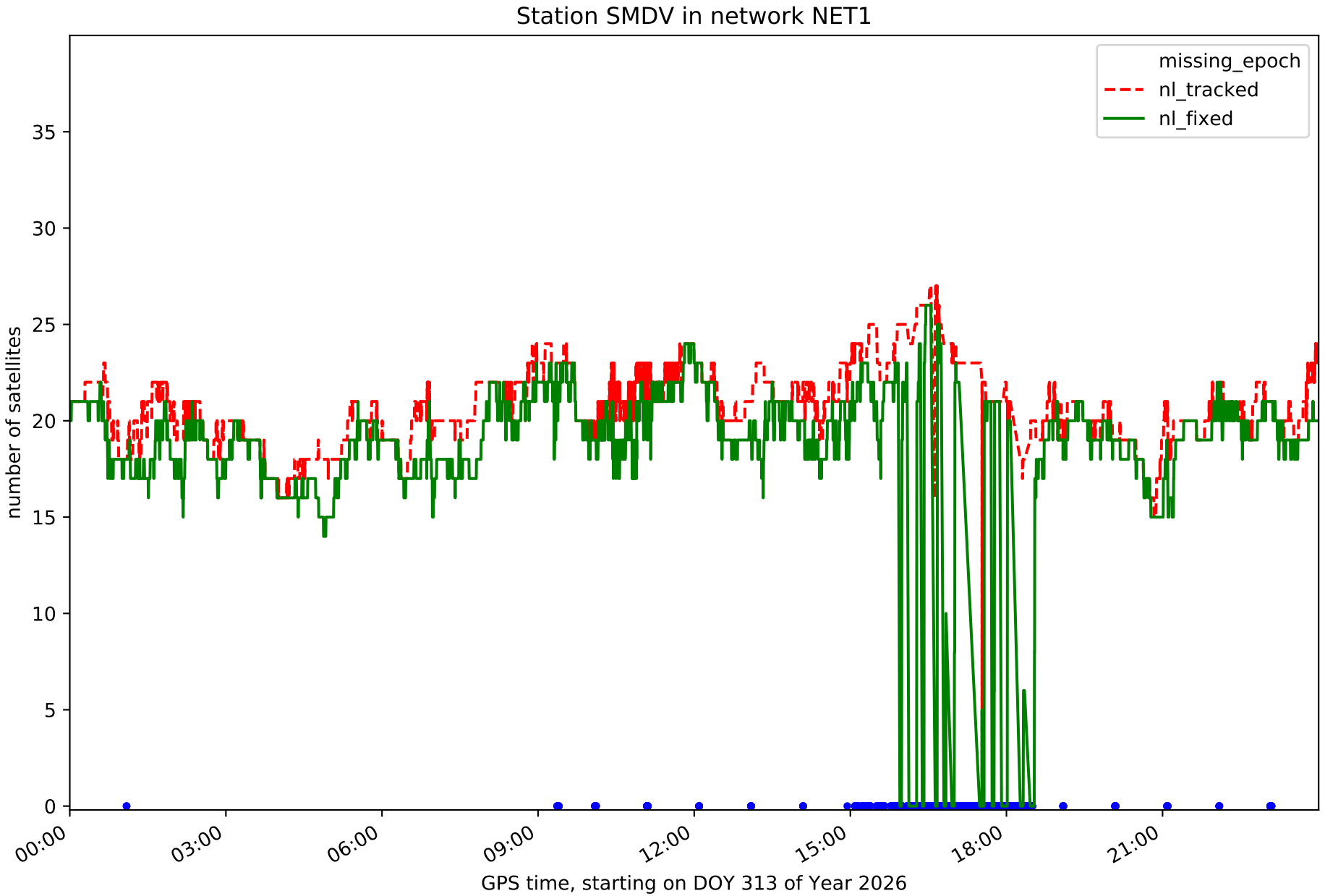

Station OLM1 in network NET1
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

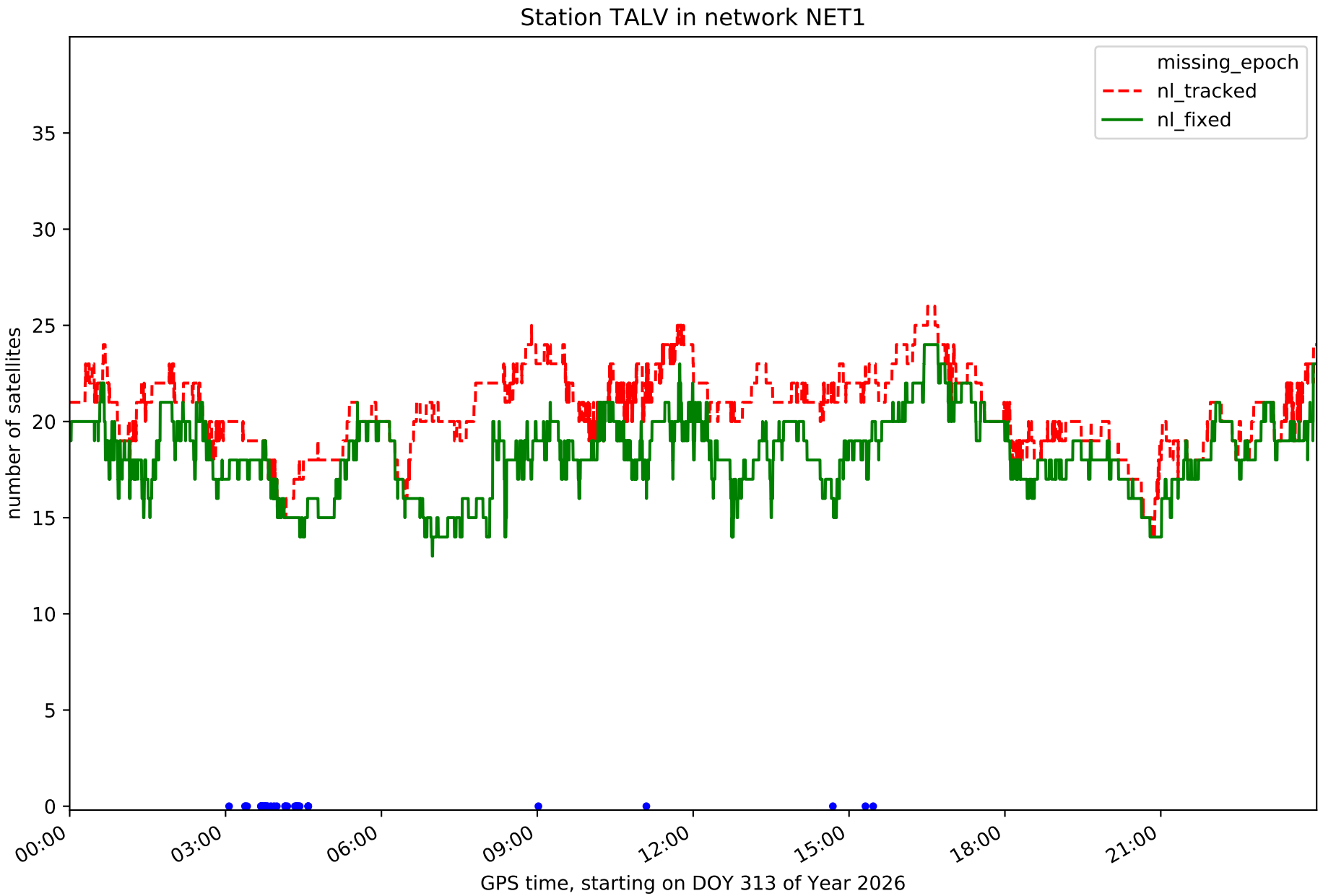

Station ORUS in network NET1
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

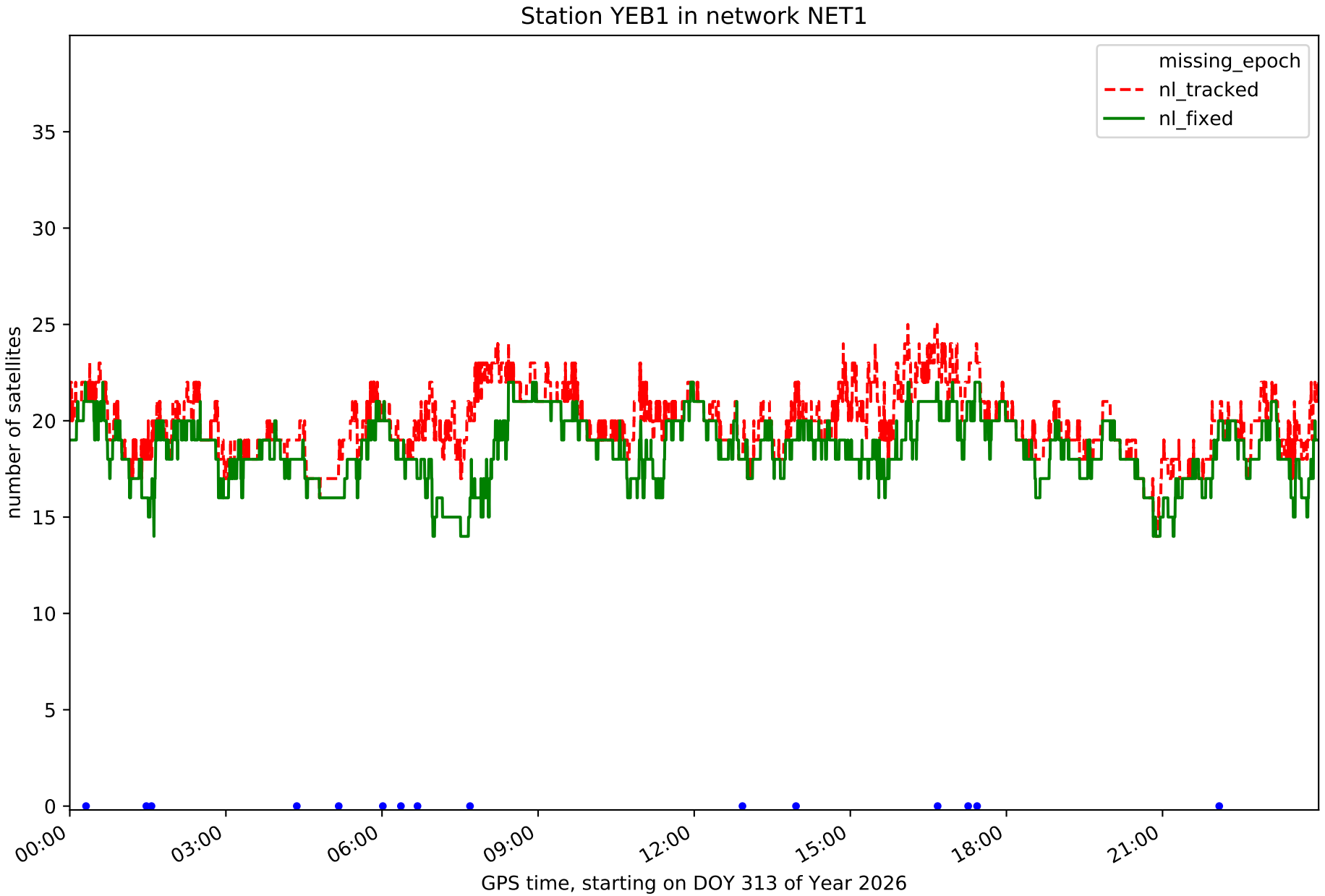

Station PEN1 in network NET1
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

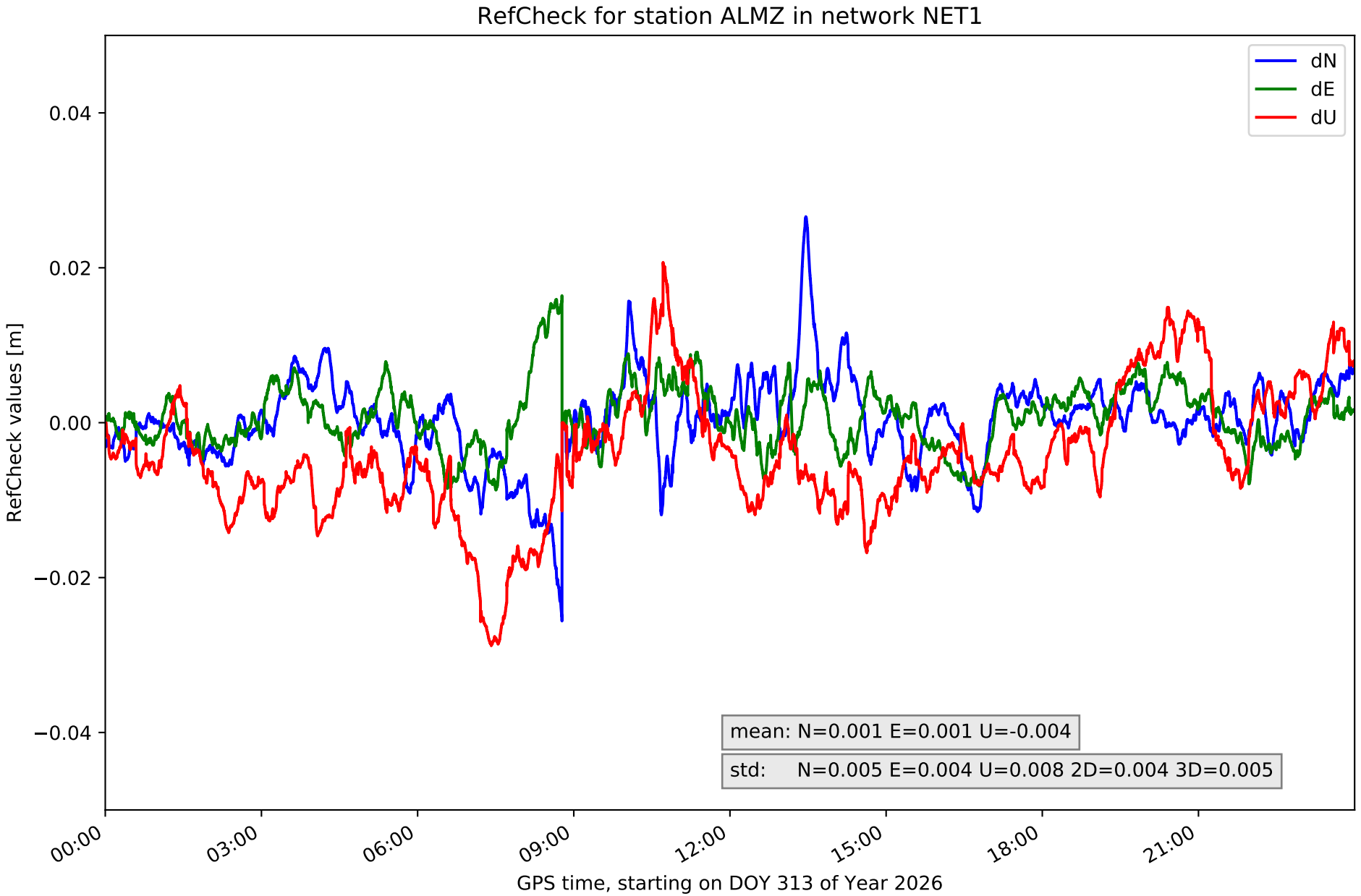

Station RIA1 in network NET1
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

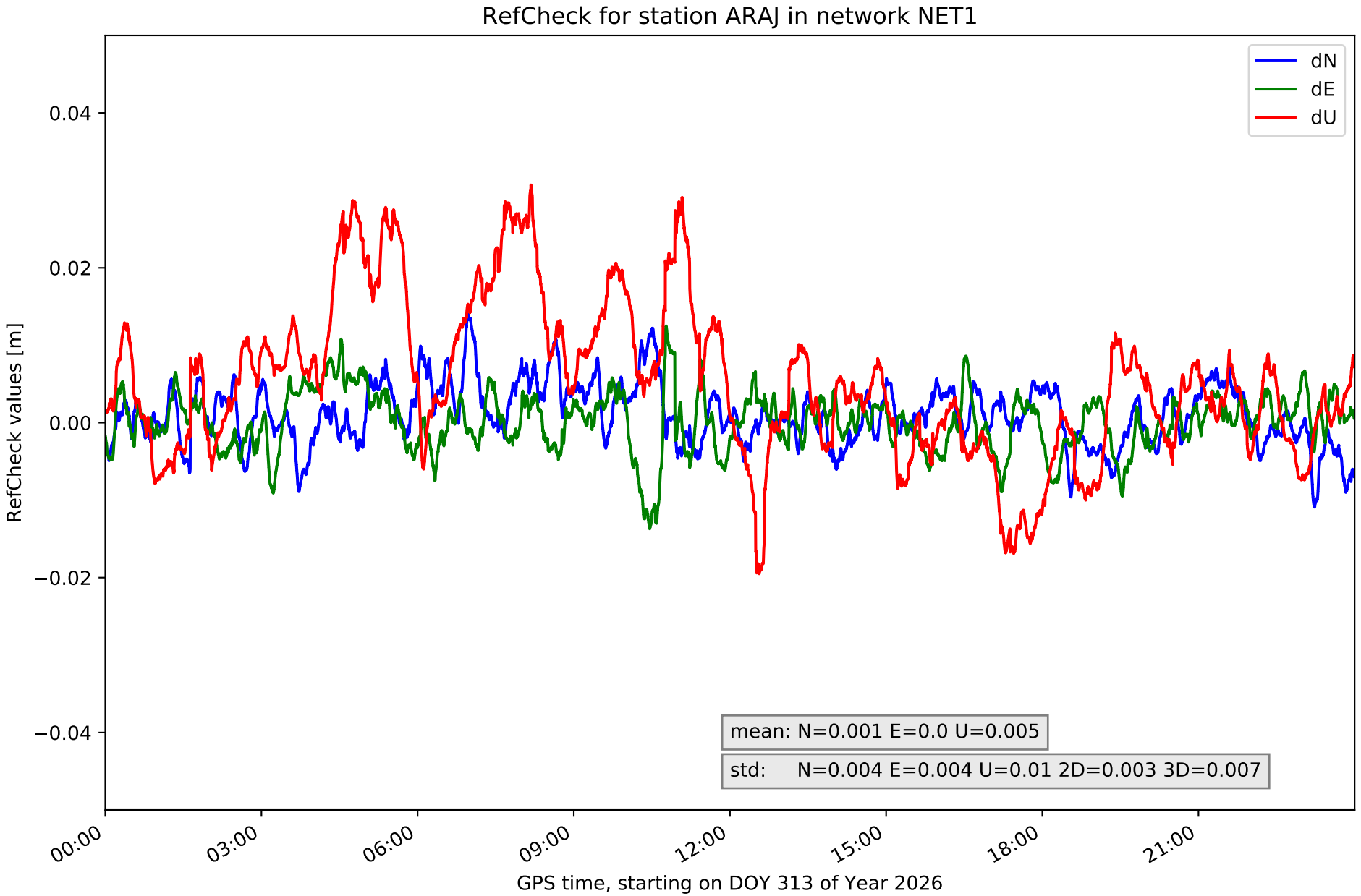

Station SGVA in network NET1
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

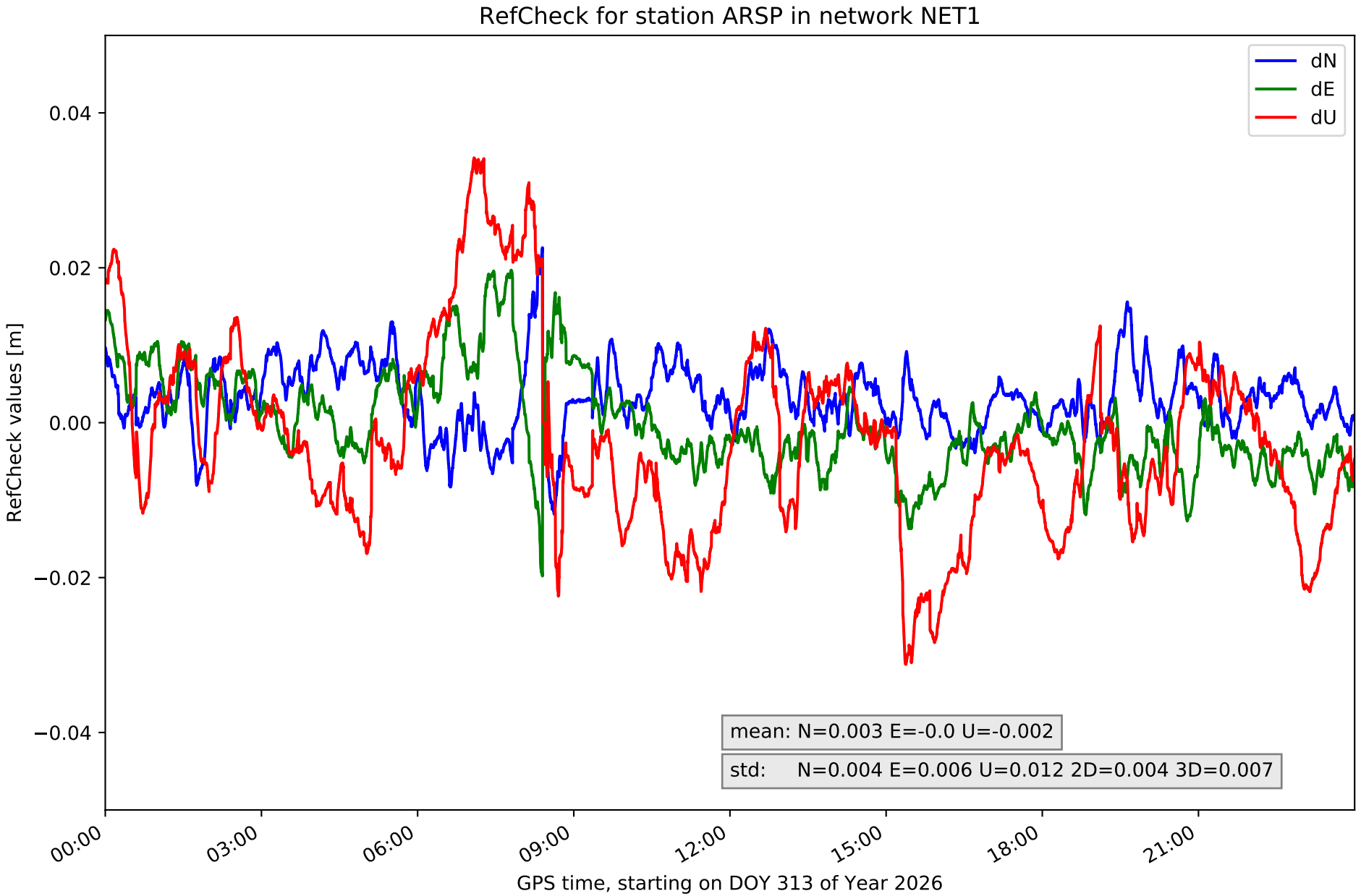

Station SMDV in network NET1
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

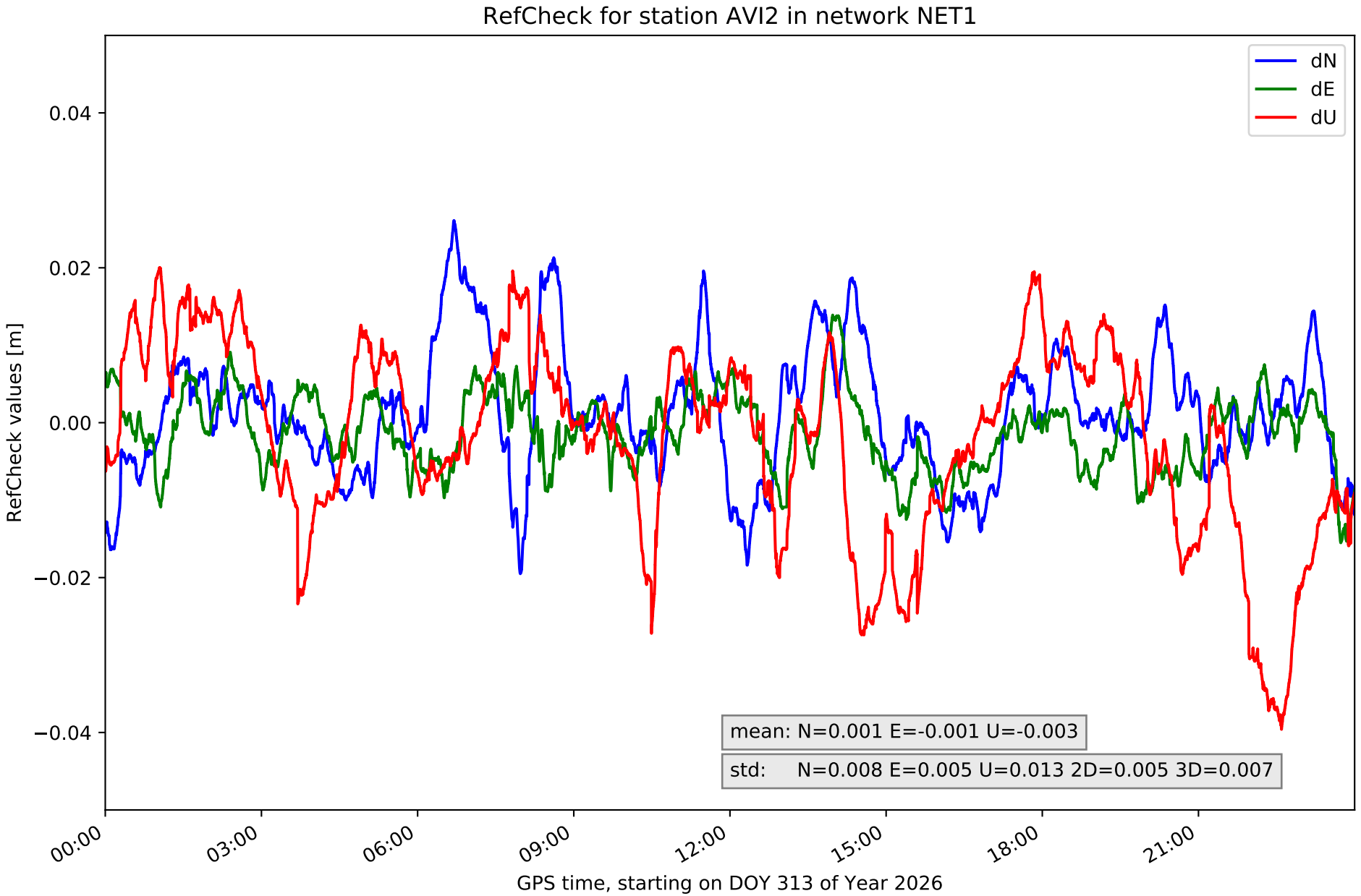

Station TALV in network NET1
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

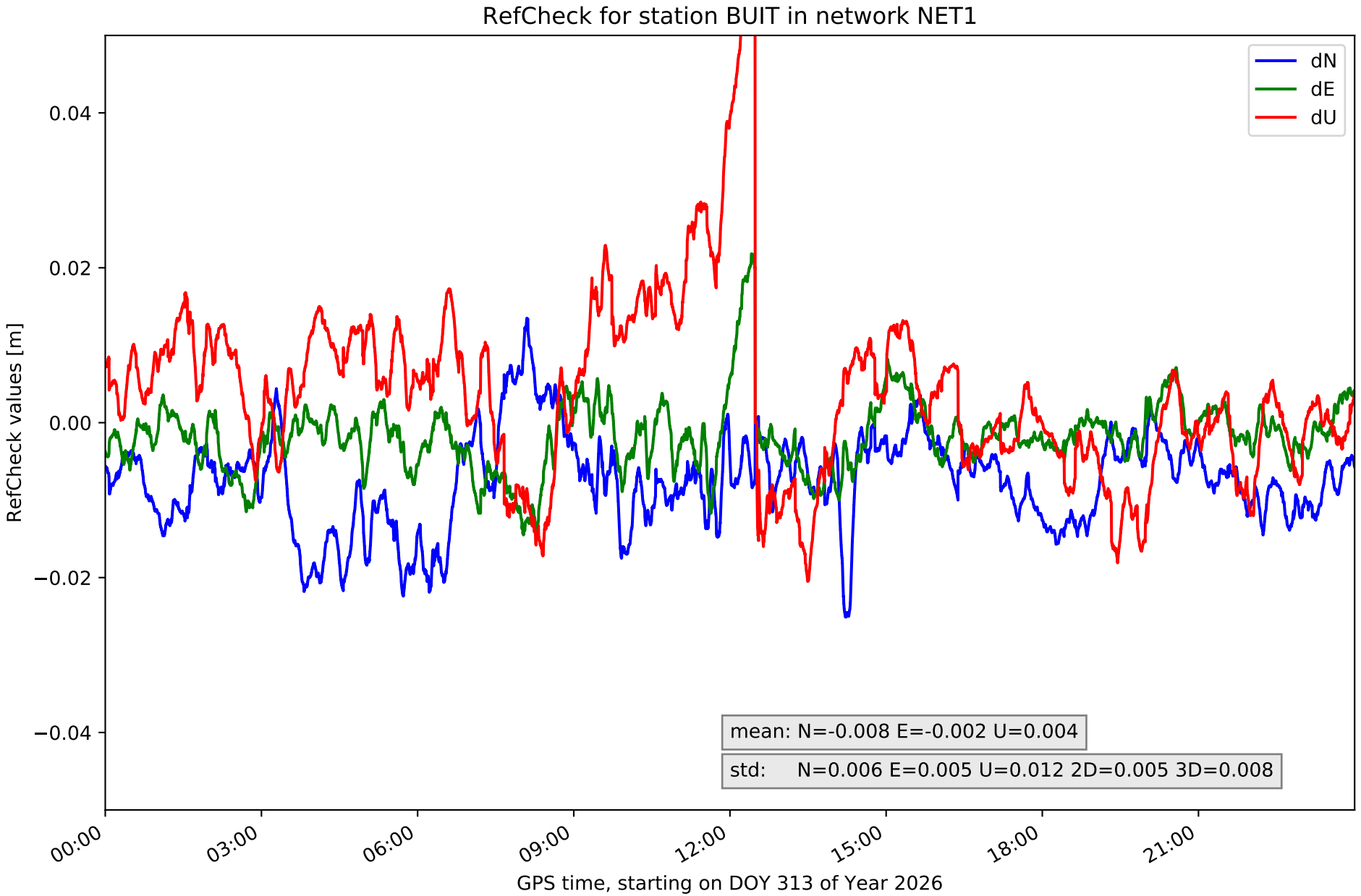

Station YEB1 in network NET1
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

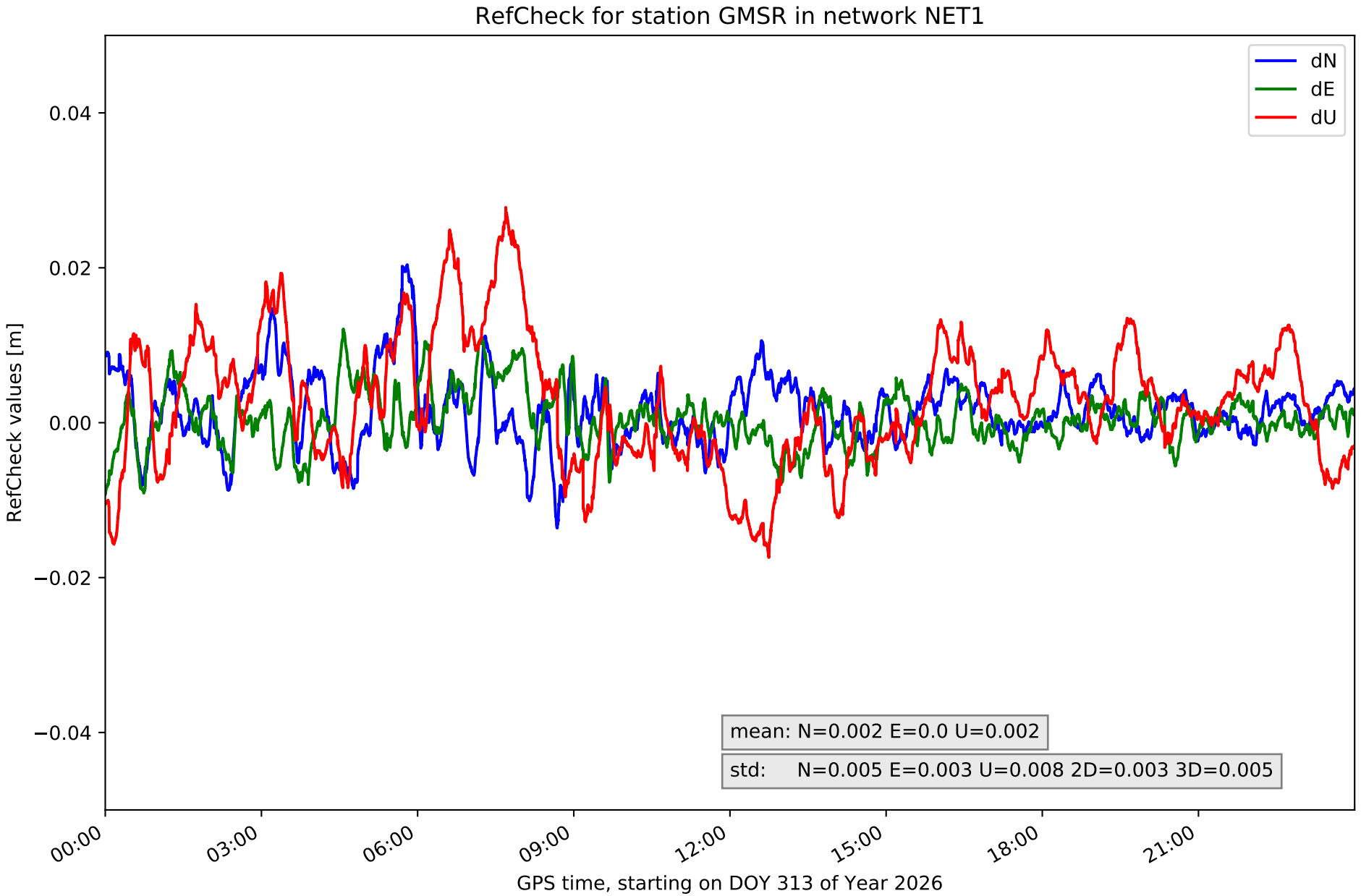

RefCheck for station ALMZ in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.001 E=0.001 U=-0.004
std: N=0.005 E=0.004 U=0.008 2D=0.004 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

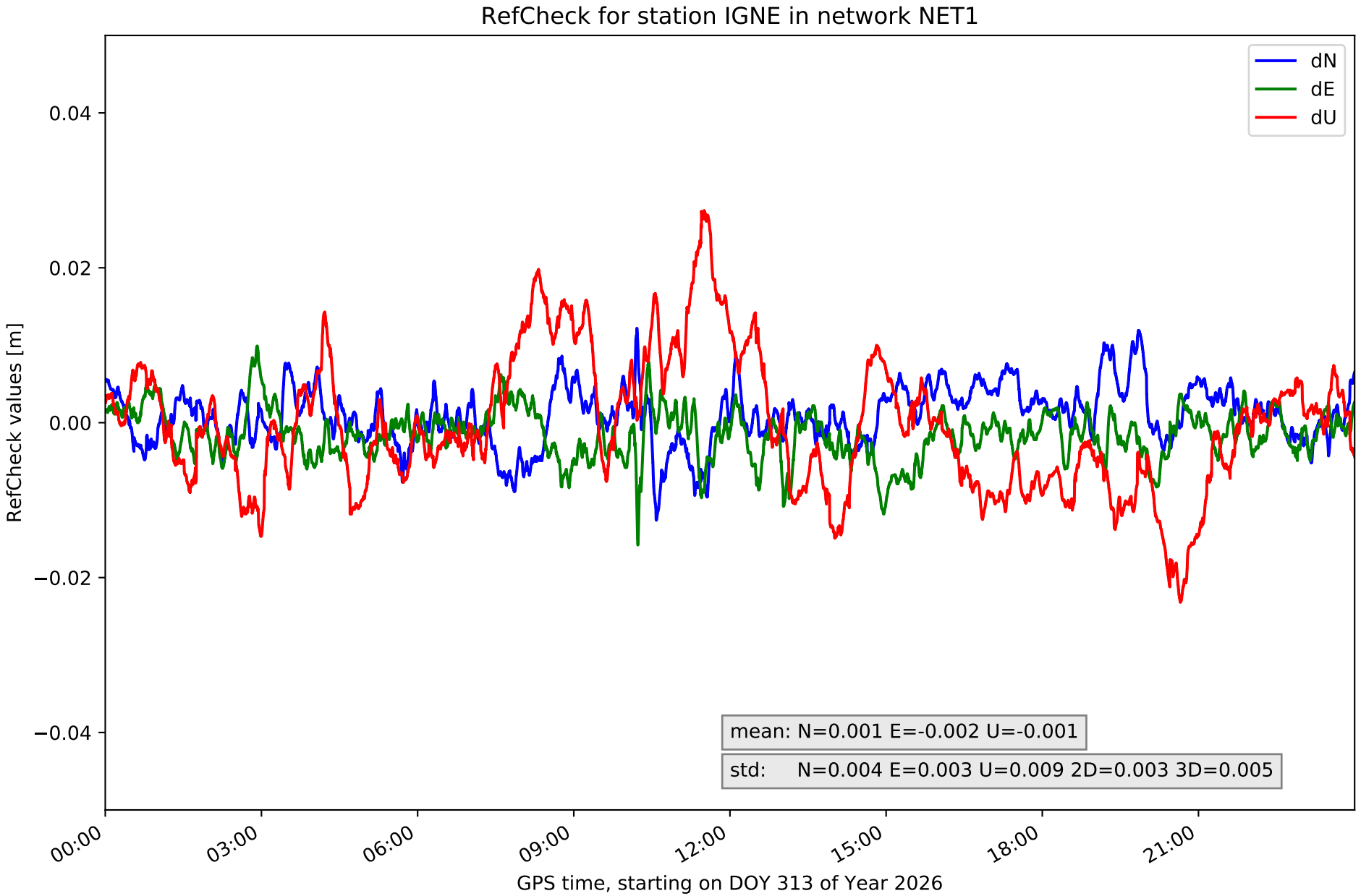

RefCheck for station ARAJ in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.001 E=0.0 U=0.005
std: N=0.004 E=0.004 U=0.01 2D=0.003 3D=0.007
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

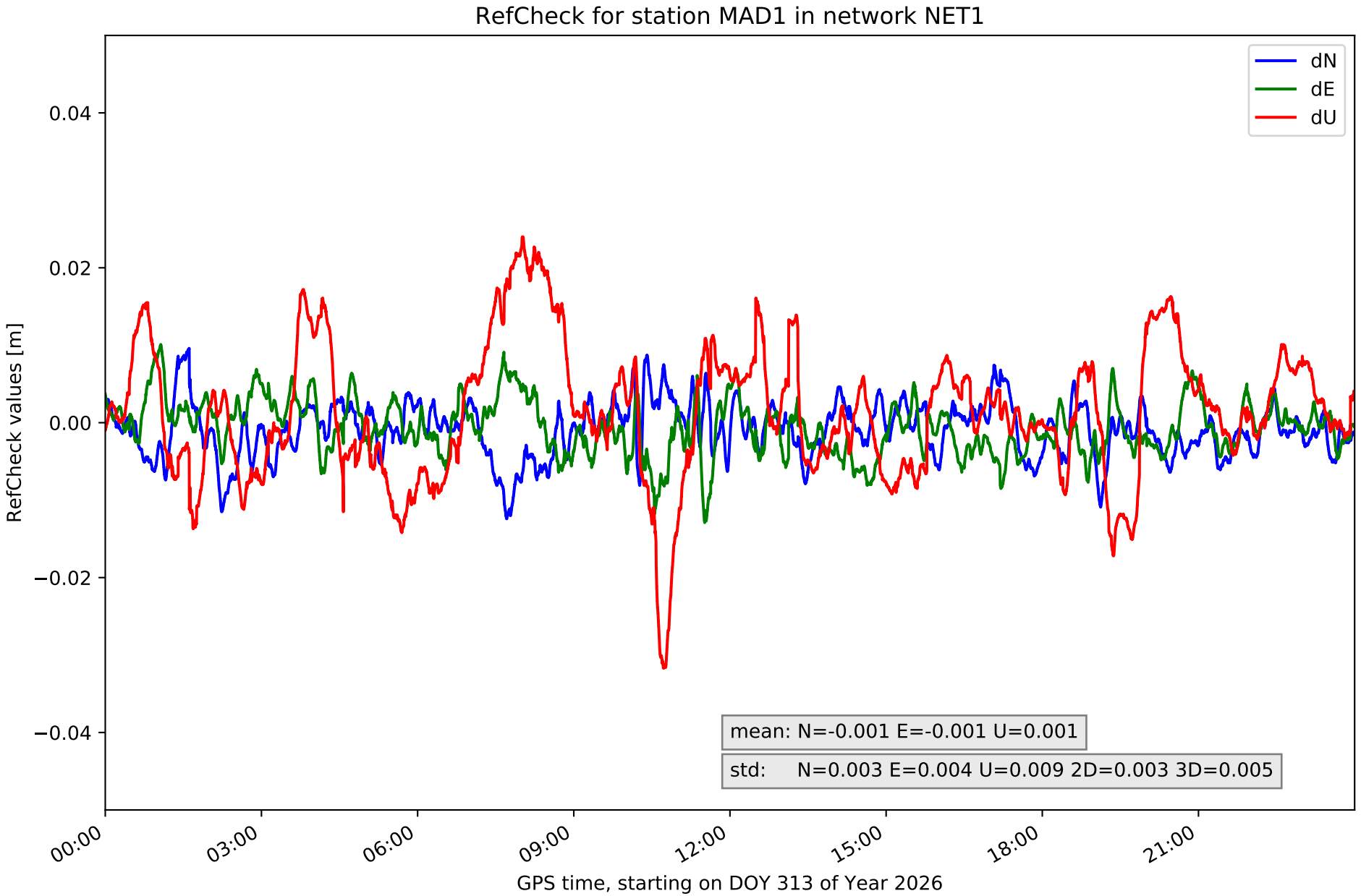

RefCheck for station ARSP in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.003 E=-0.0 U=-0.002
std: N=0.004 E=0.006 U=0.012 2D=0.004 3D=0.007
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

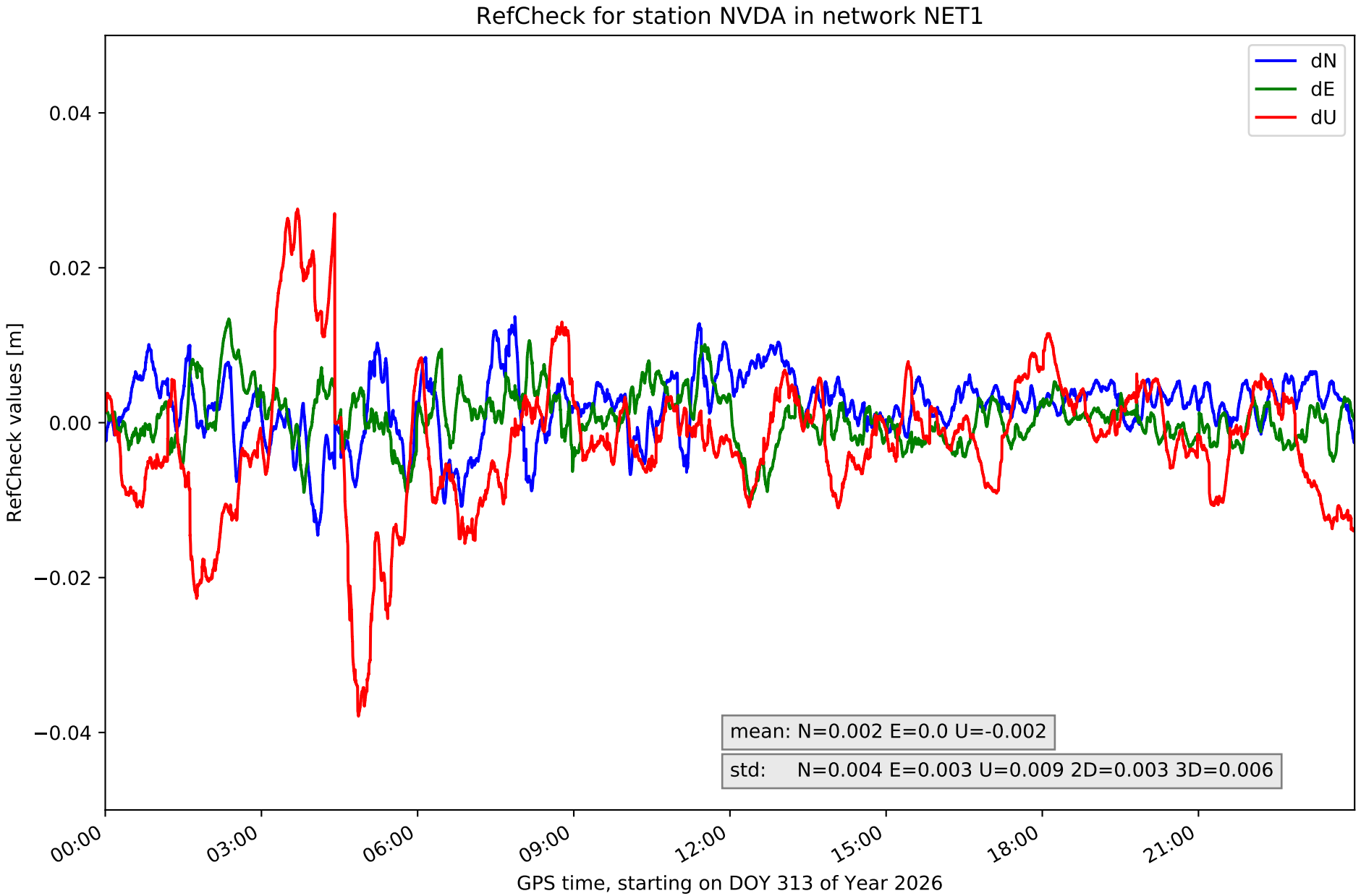

RefCheck for station AVI2 in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.001 E=-0.001 U=-0.003
std: N=0.008 E=0.005 U=0.013 2D=0.005 3D=0.007
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

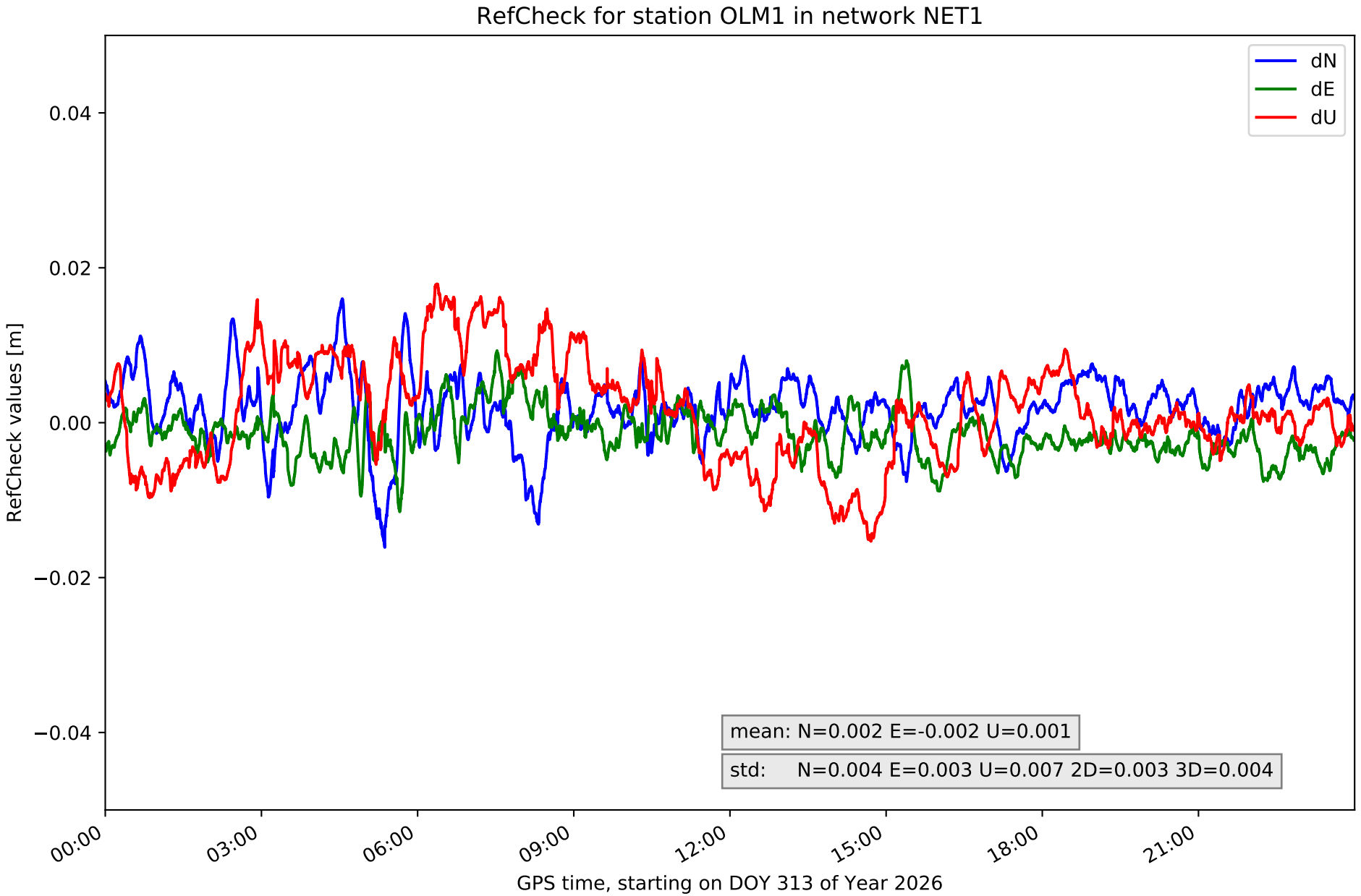

RefCheck for station BUIT in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.008 E=-0.002 U=0.004
std: N=0.006 E=0.005 U=0.012 2D=0.005 3D=0.008
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

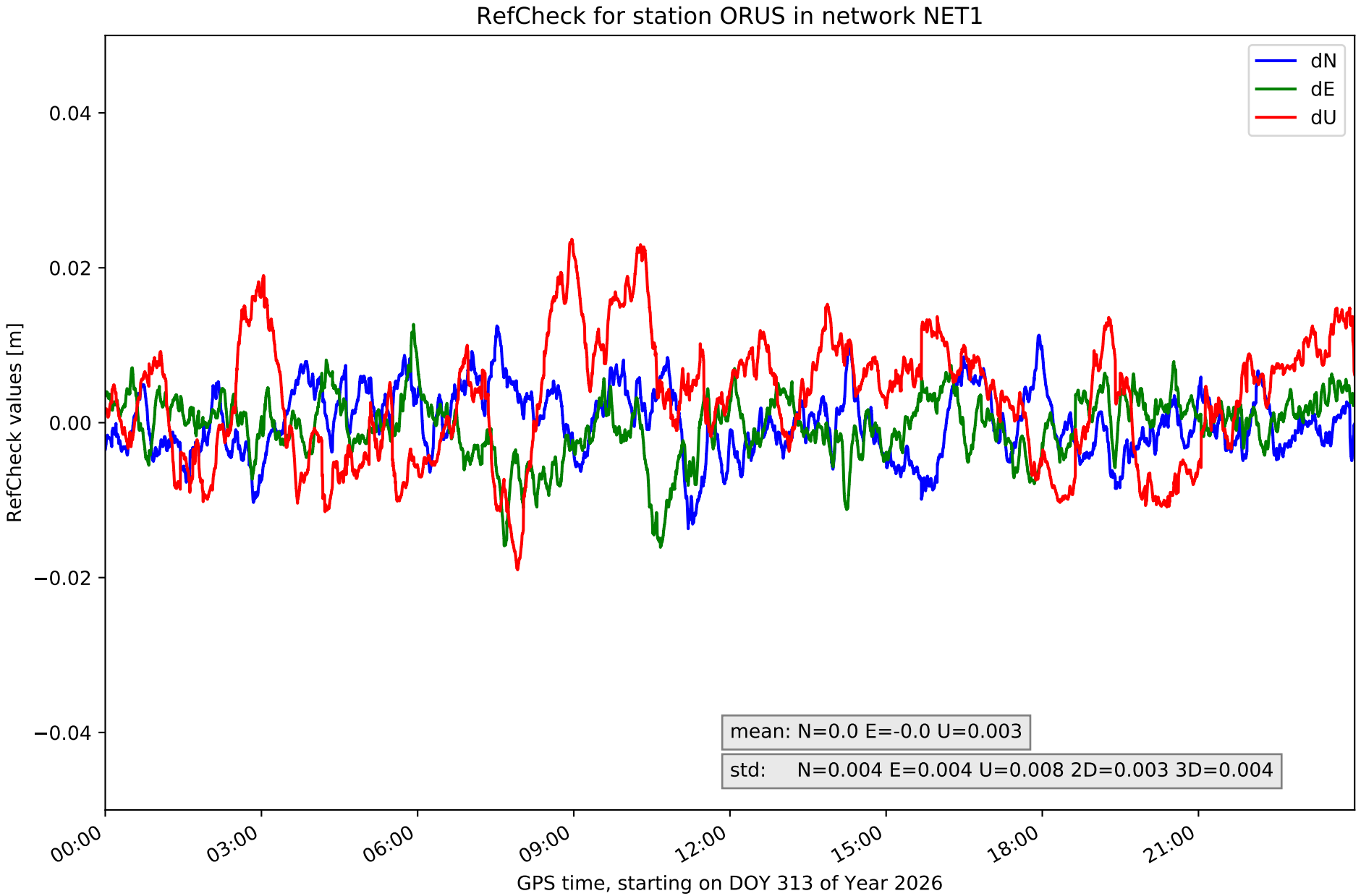

RefCheck for station GMSR in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=0.0 U=0.002
std: N=0.005 E=0.003 U=0.008 2D=0.003 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

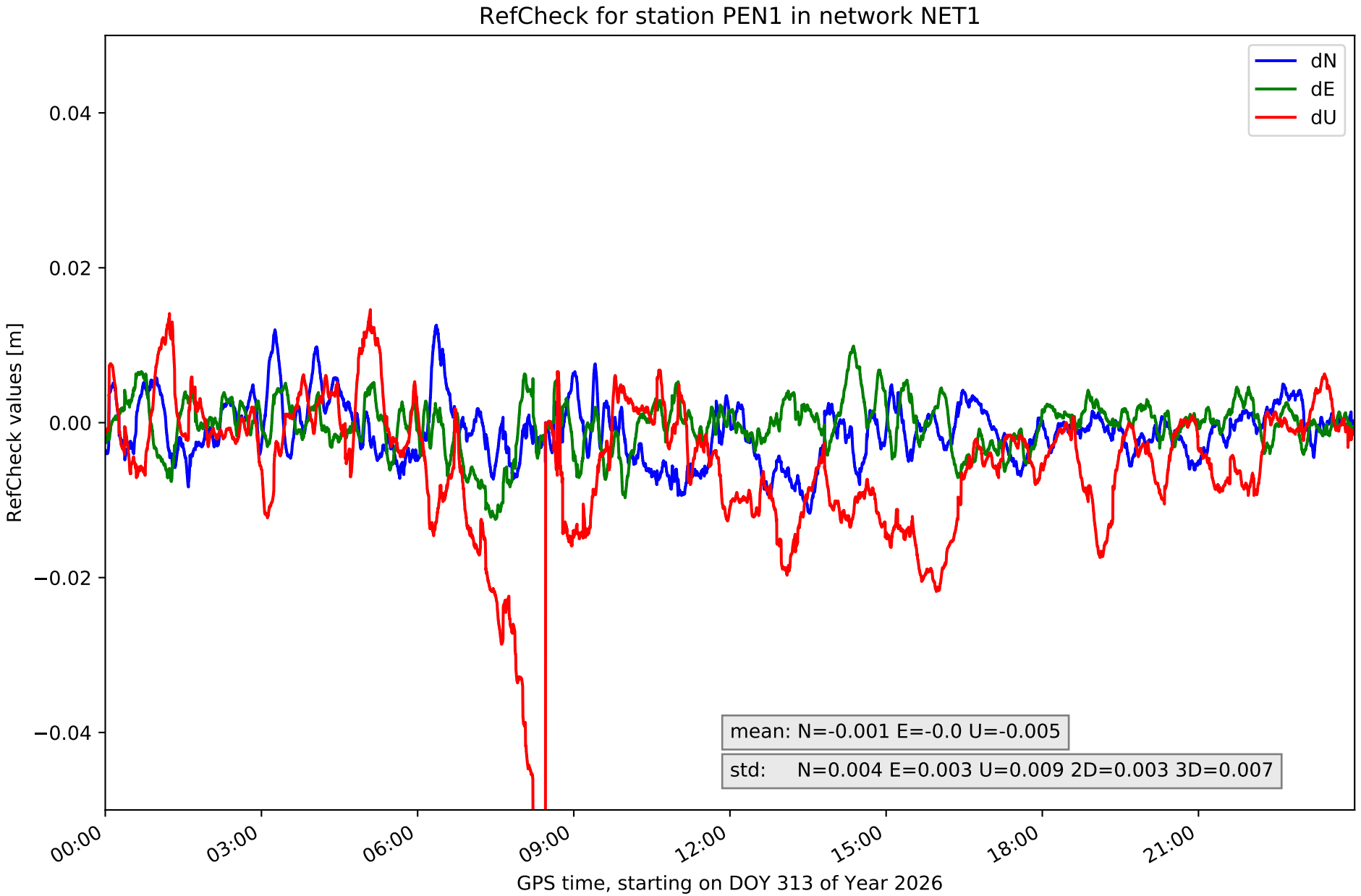

RefCheck for station IGNE in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.001 E=-0.002 U=-0.001
std: N=0.004 E=0.003 U=0.009 2D=0.003 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

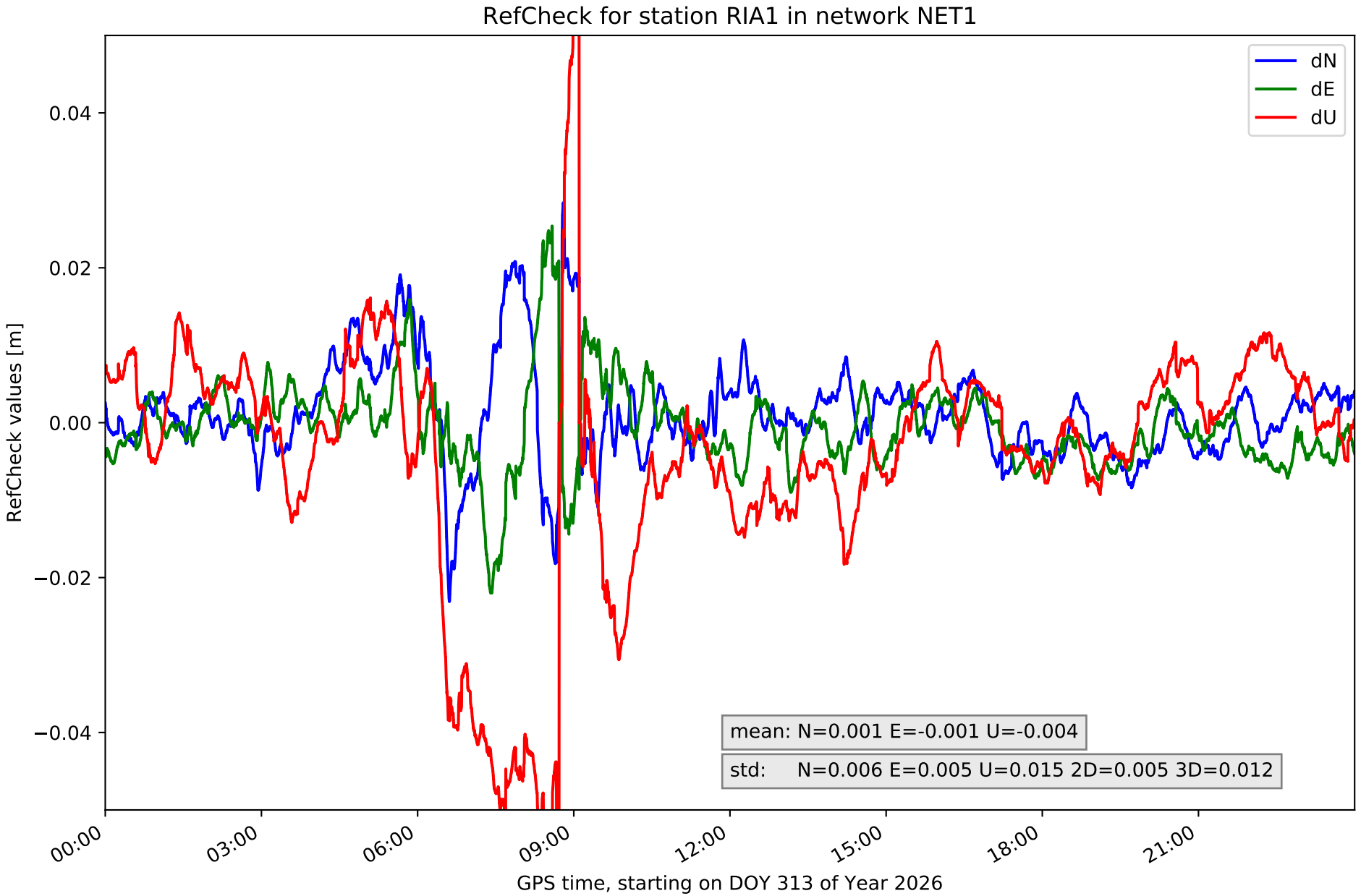

RefCheck for station MAD1 in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.001 E=-0.001 U=0.001
std: N=0.003 E=0.004 U=0.009 2D=0.003 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

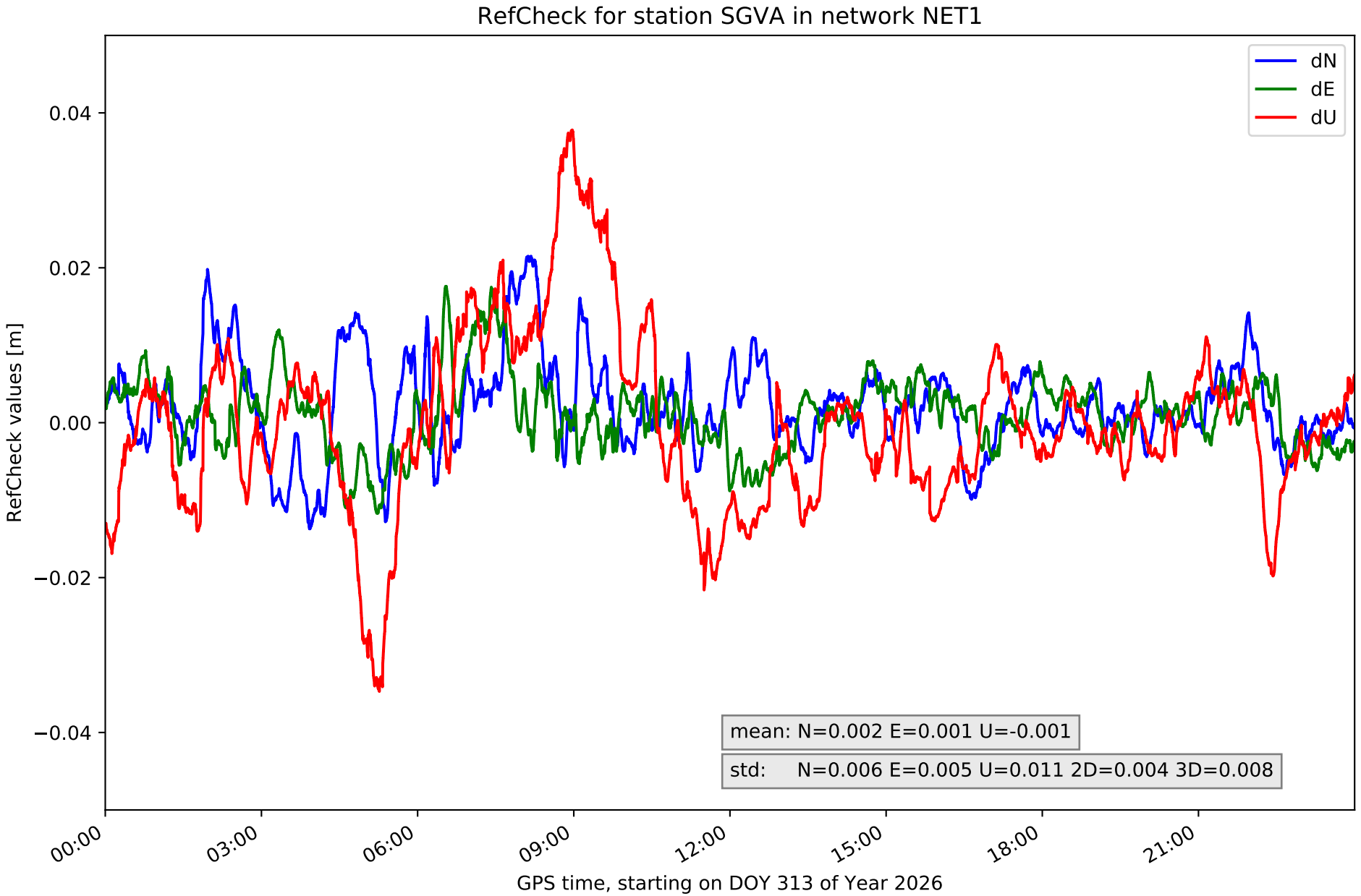

RefCheck for station NVDA in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=0.0 U=-0.002
std: N=0.004 E=0.003 U=0.009 2D=0.003 3D=0.006
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

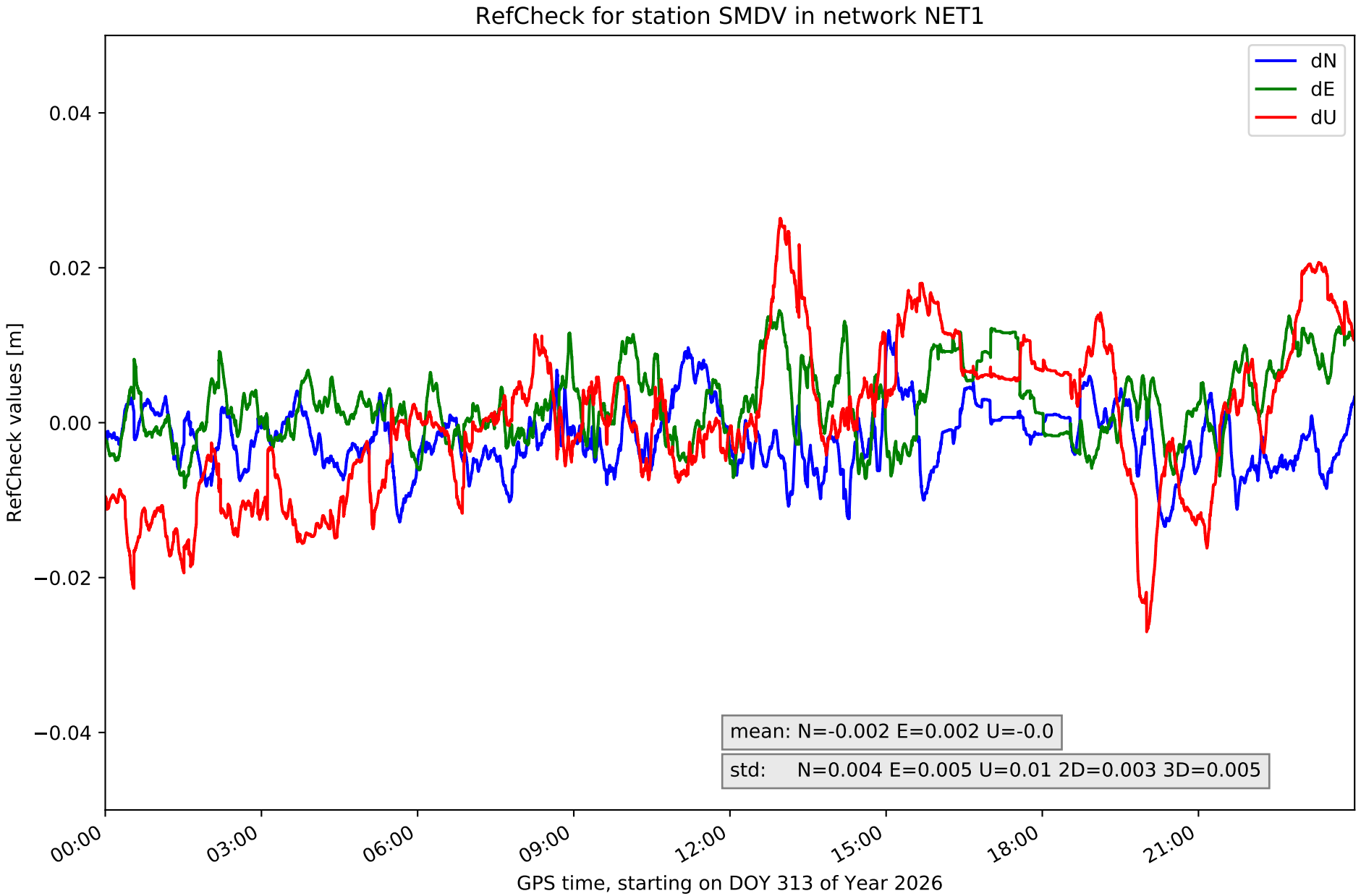

RefCheck for station OLM1 in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=-0.002 U=0.001
std: N=0.004 E=0.003 U=0.007 2D=0.003 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

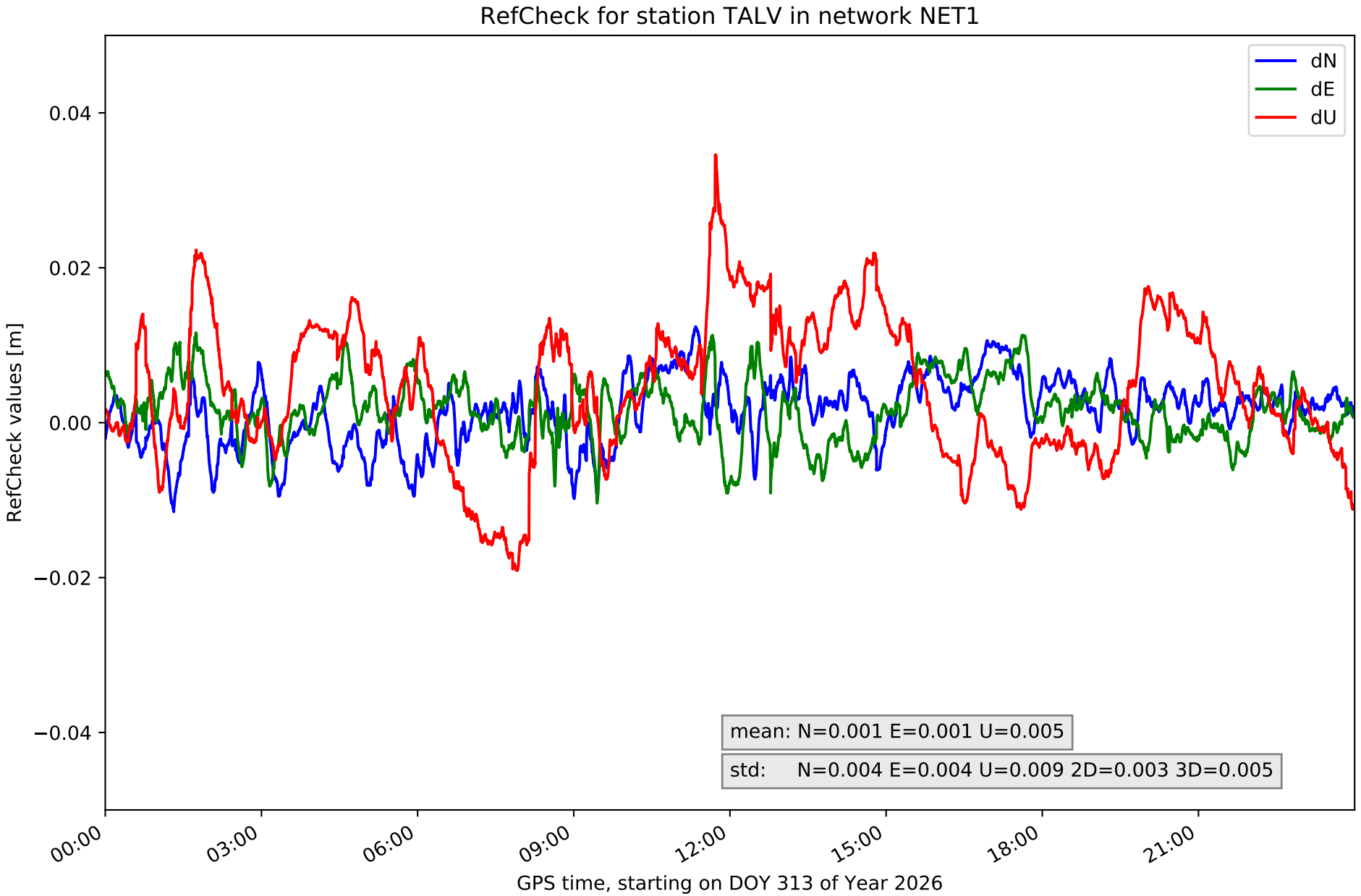

RefCheck for station ORUS in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.0 E=-0.0 U=0.003
std: N=0.004 E=0.004 U=0.008 2D=0.003 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

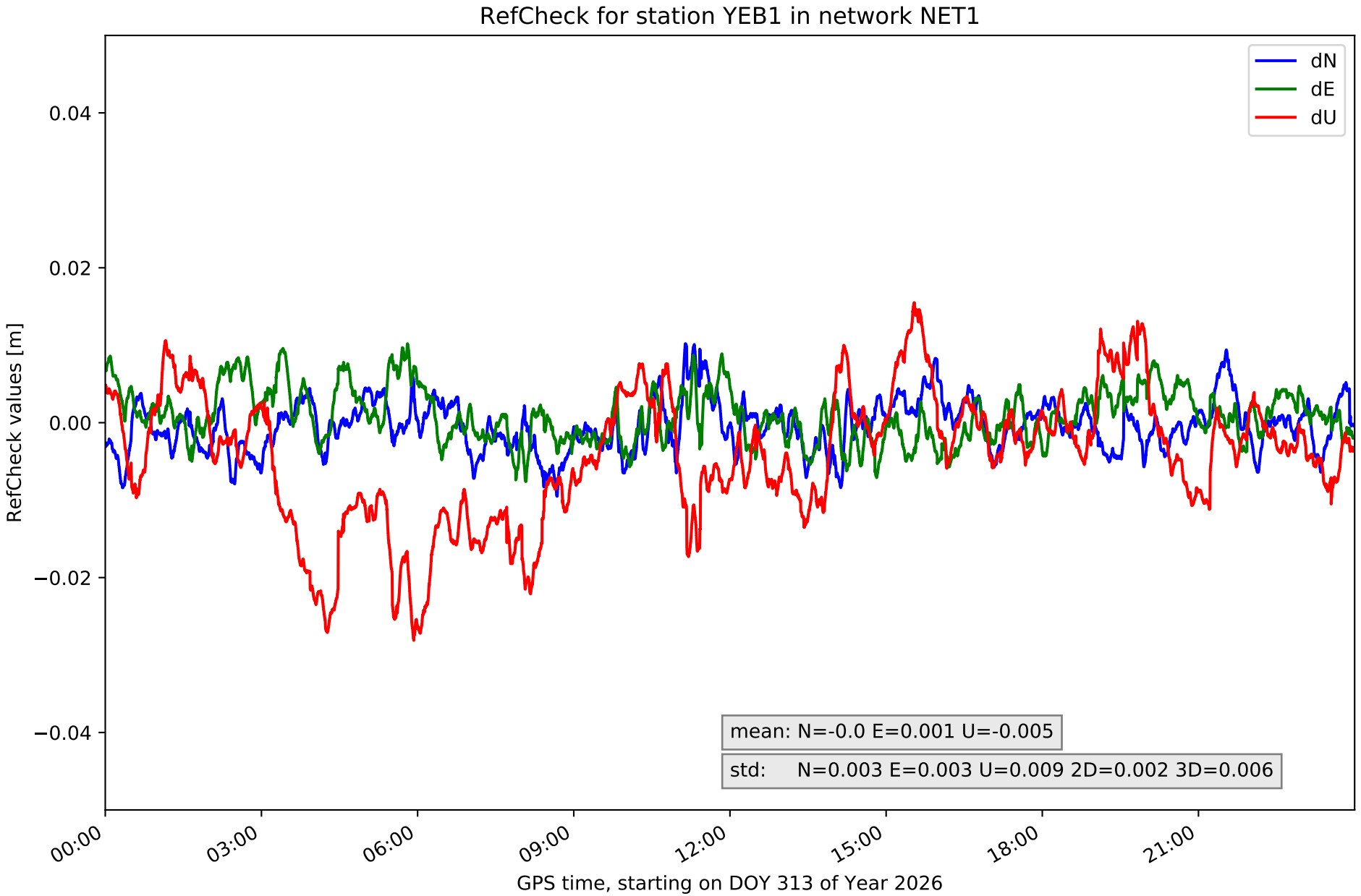

RefCheck for station PEN1 in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.001 E=-0.0 U=-0.005
std: N=0.004 E=0.003 U=0.009 2D=0.003 3D=0.007
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026


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=0.001 E=-0.001 U=-0.004
std: N=0.006 E=0.005 U=0.015 2D=0.005 3D=0.012
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 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=-0.001
std: N=0.006 E=0.005 U=0.011 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 313 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=-0.002 E=0.002 U=-0.0
std: N=0.004 E=0.005 U=0.01 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 313 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=0.001 E=0.001 U=0.005
std: N=0.004 E=0.004 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 313 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=-0.0 E=0.001 U=-0.005
std: N=0.003 E=0.003 U=0.009 2D=0.002 3D=0.006
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 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	**-0.026**	0.027	0.005	-0.009	0.016	0.004	-0.029	0.021	0.008	0.004	0.005	4375	7.5	3385	5.8
ARAJ	-0.011	0.014	0.004	-0.014	0.013	0.004	-0.019	0.031	0.01	0.003	0.007	2310	3.9	6581	11.2
ARSP	-0.012	0.023	0.004	-0.02	0.02	**0.006**	-0.031	0.034	0.012	0.004	0.007	10245	17.4	8112	13.8
AVI2	-0.019	0.026	**0.008**	-0.015	0.014	0.005	-0.04	0.02	0.013	**0.005**	0.007	16875	28.7	**10817**	**18.4**
BUIT	-0.025	0.013	0.006	-0.015	0.022	0.005	-0.021	0.06	0.012	**0.005**	0.008	**26031**	**44.3**	10802	**18.4**
GMSR	-0.014	0.02	0.005	-0.009	0.012	0.003	-0.017	0.028	0.008	0.003	0.005	4542	7.7	3183	5.4
IGNE	-0.013	0.012	0.004	-0.016	0.01	0.003	-0.023	0.027	0.009	0.003	0.005	1964	3.3	1686	2.9
MAD1	-0.012	0.01	0.003	-0.013	0.01	0.004	-0.032	0.024	0.009	0.003	0.005	1791	3.1	2236	3.8
NVDA	-0.015	0.014	0.004	-0.01	0.013	0.003	-0.038	0.028	0.009	0.003	0.006	5100	8.7	4497	7.7
OLM1	-0.016	0.016	0.004	-0.011	0.009	0.003	-0.015	0.018	0.007	0.003	0.004	3135	5.3	0	0.0
ORUS	-0.014	0.013	0.004	-0.016	0.013	0.004	-0.019	0.024	0.008	0.003	0.004	3885	6.6	1257	2.1
PEN1	-0.012	0.013	0.004	-0.013	0.01	0.003	-0.06	0.015	0.009	0.003	0.007	2110	3.6	2849	4.9
RIA1	-0.023	**0.028**	0.006	**-0.022**	**0.025**	0.005	**-0.061**	**0.061**	**0.015**	**0.005**	**0.012**	8150	13.9	7807	13.3
SGVA	-0.014	0.021	0.006	-0.012	0.018	0.005	-0.035	0.038	0.011	0.004	0.008	12033	20.5	6873	11.7
SMDV	-0.013	0.012	0.004	-0.008	0.015	0.005	-0.027	0.026	0.01	0.003	0.005	9767	16.6	3603	6.1
TALV	-0.011	0.012	0.004	-0.01	0.012	0.004	-0.019	0.035	0.009	0.003	0.005	4809	8.2	2575	4.4
YEB1	-0.009	0.01	0.003	-0.008	0.01	0.003	-0.028	0.015	0.009	0.002	0.006	478	0.8	3810	6.5
Mean	**-0.015**	**0.017**	**0.005**	**-0.013**	**0.014**	**0.004**	**-0.03**	**0.03**	**0.01**	**0.003**	**0.006**	**6917.6**	**11.8**	**4710.2**	**8.0**
Min/Max	**-0.026**	**0.028**	**0.008**	**-0.022**	**0.025**	**0.006**	**-0.061**	**0.061**	**0.015**	**0.005**	**0.012**	**26031**	**44.3**	**10817**	**18.4**

fixing statistic for network NET1

fixing percentage of	all GNSS	G	R	E	C
using threshold 0.3	93.1	94.7	93.7	95.1	89.0
considering satellites with dual-frequency fixed	90.3	92.1	89.5	92.0	86.4
considering all signals separately	90.6	92.3	89.5	92.3	85.3