summary for network NET5

timeperiod chosen: from 2026-09-29-00:00:00 until 2026-09-29-23:59:58

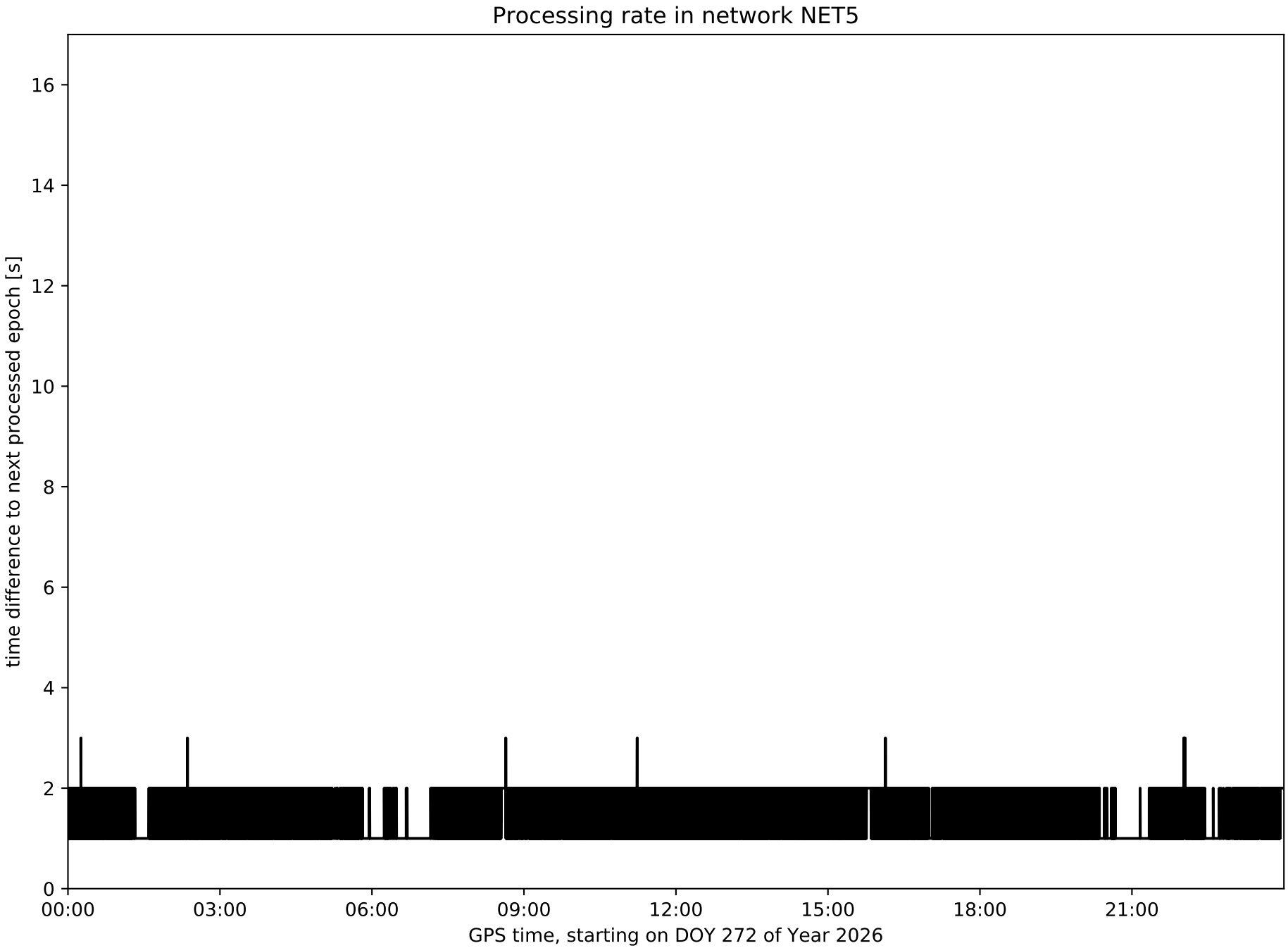
average update rate (durations larger than 15 seconds considered as observation gap): 1.1 seconds

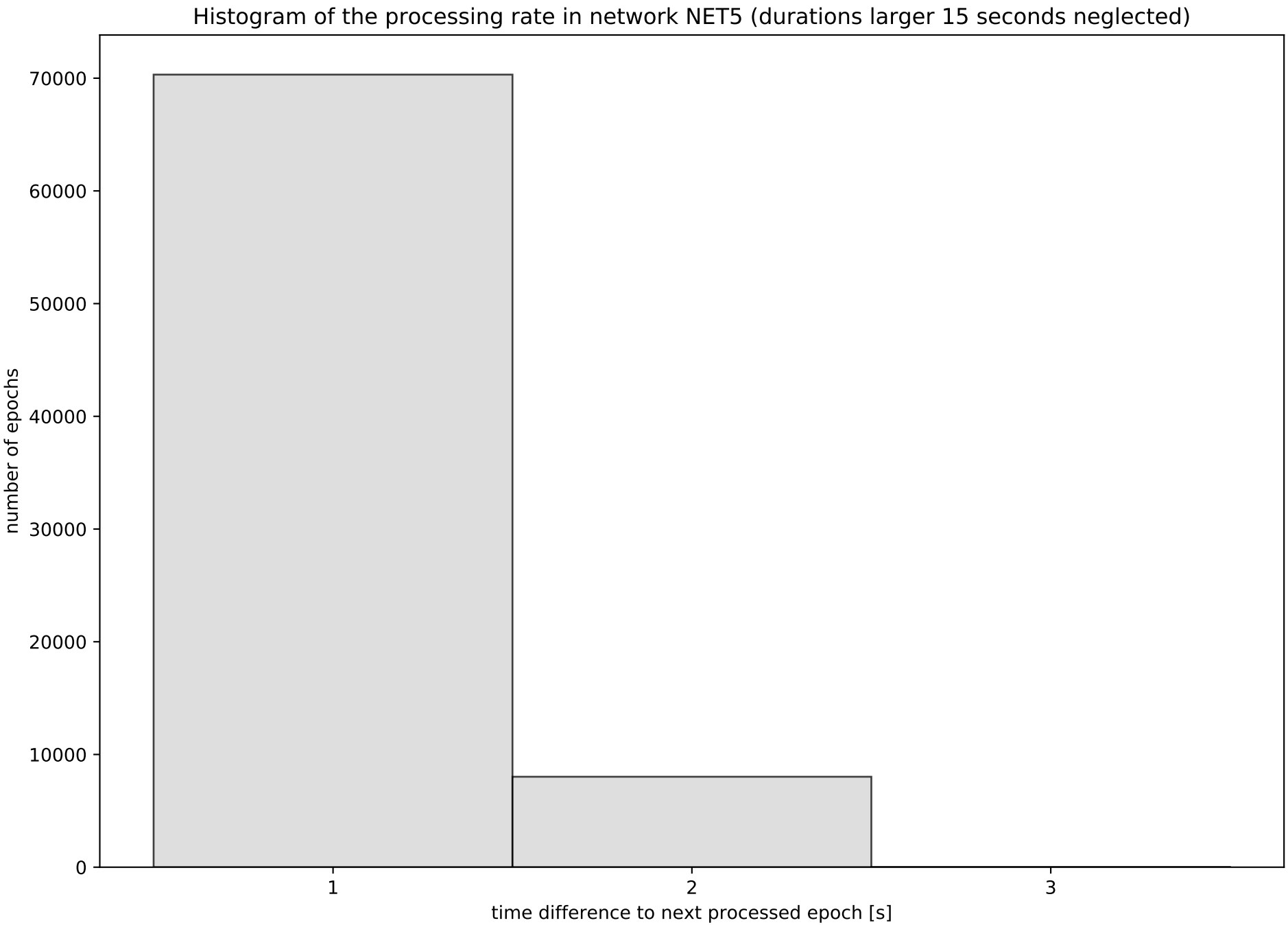
average fixing percentage with threshold set to 0.3: 93.2 percent

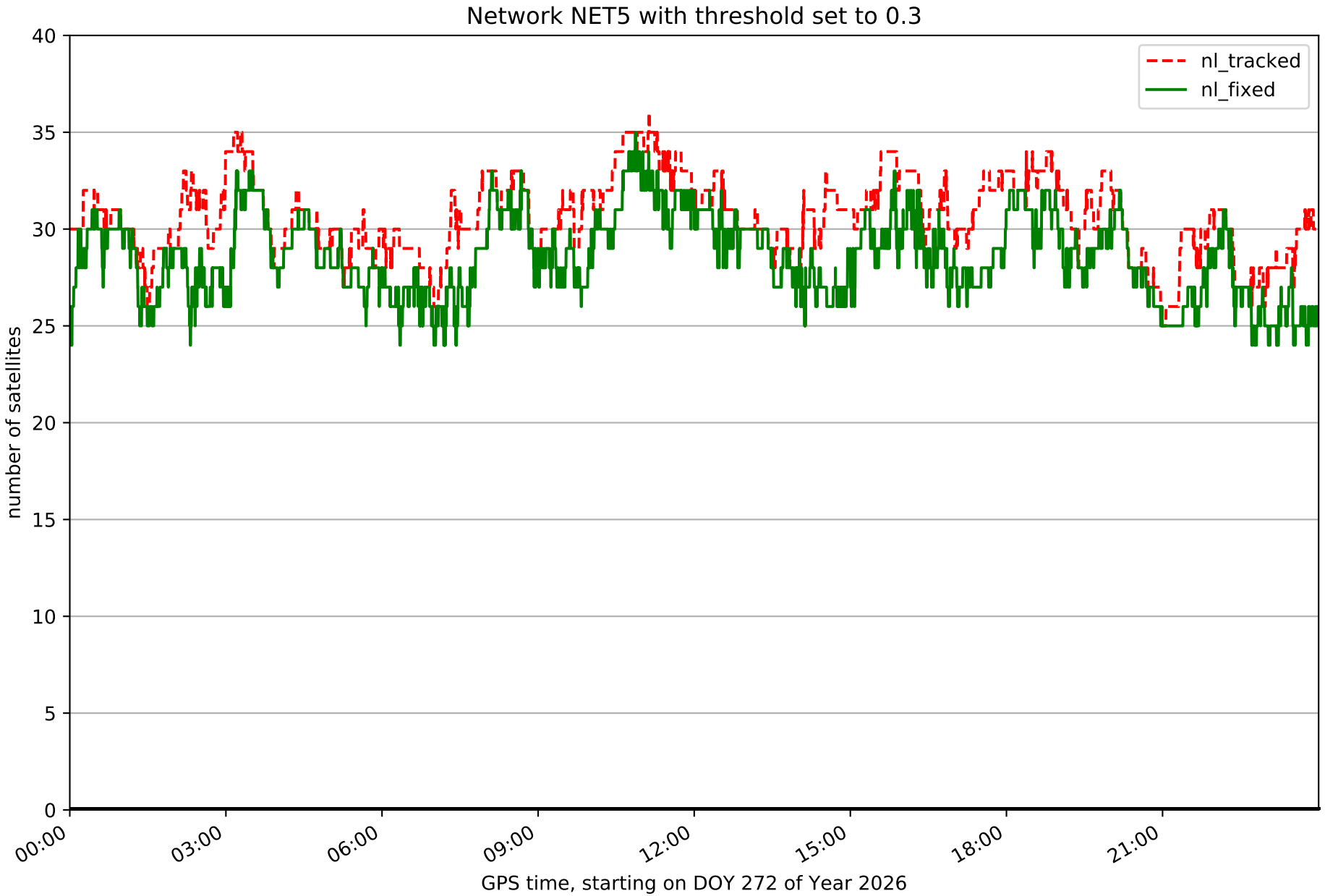
stations available: 14 of 14

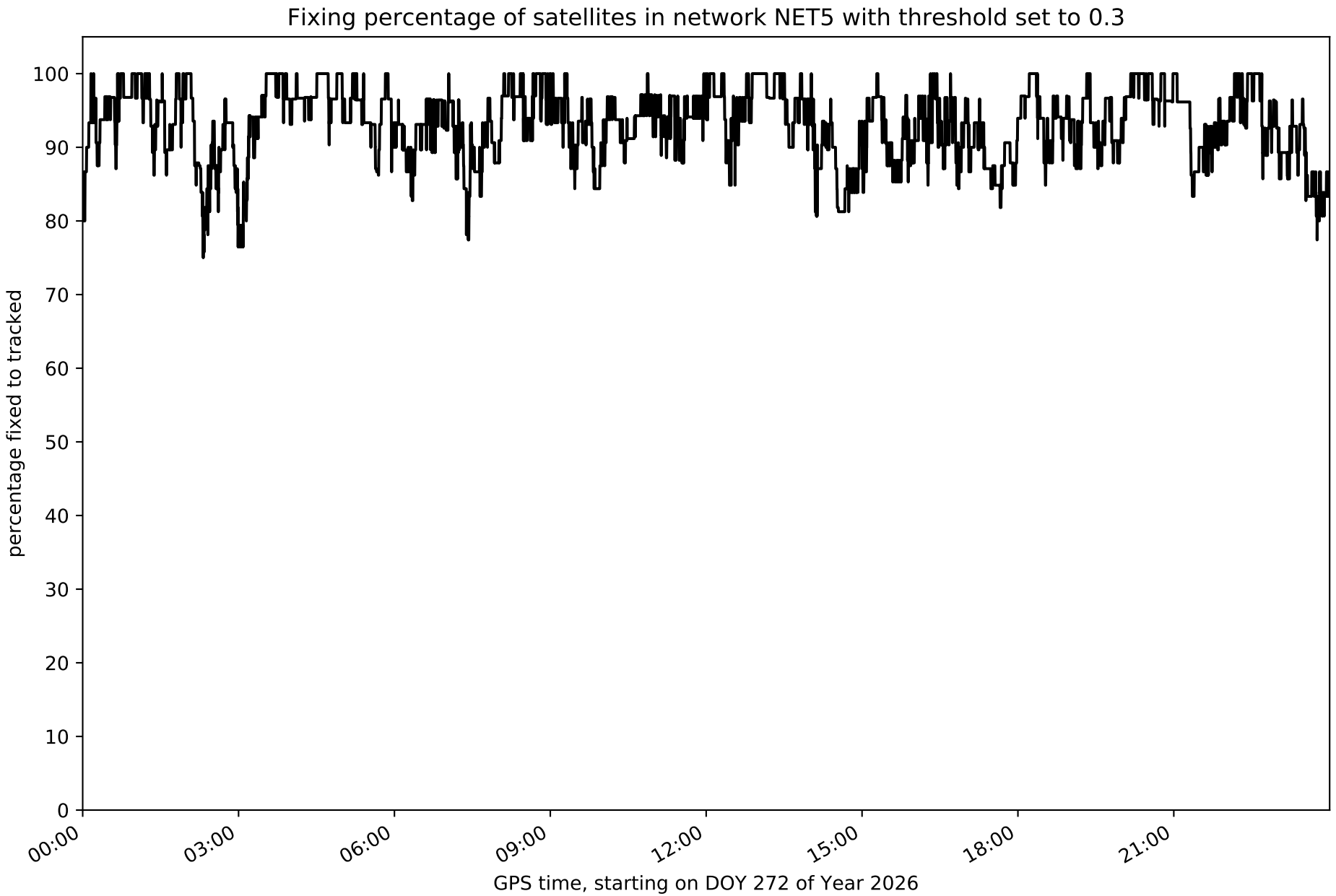
station information:

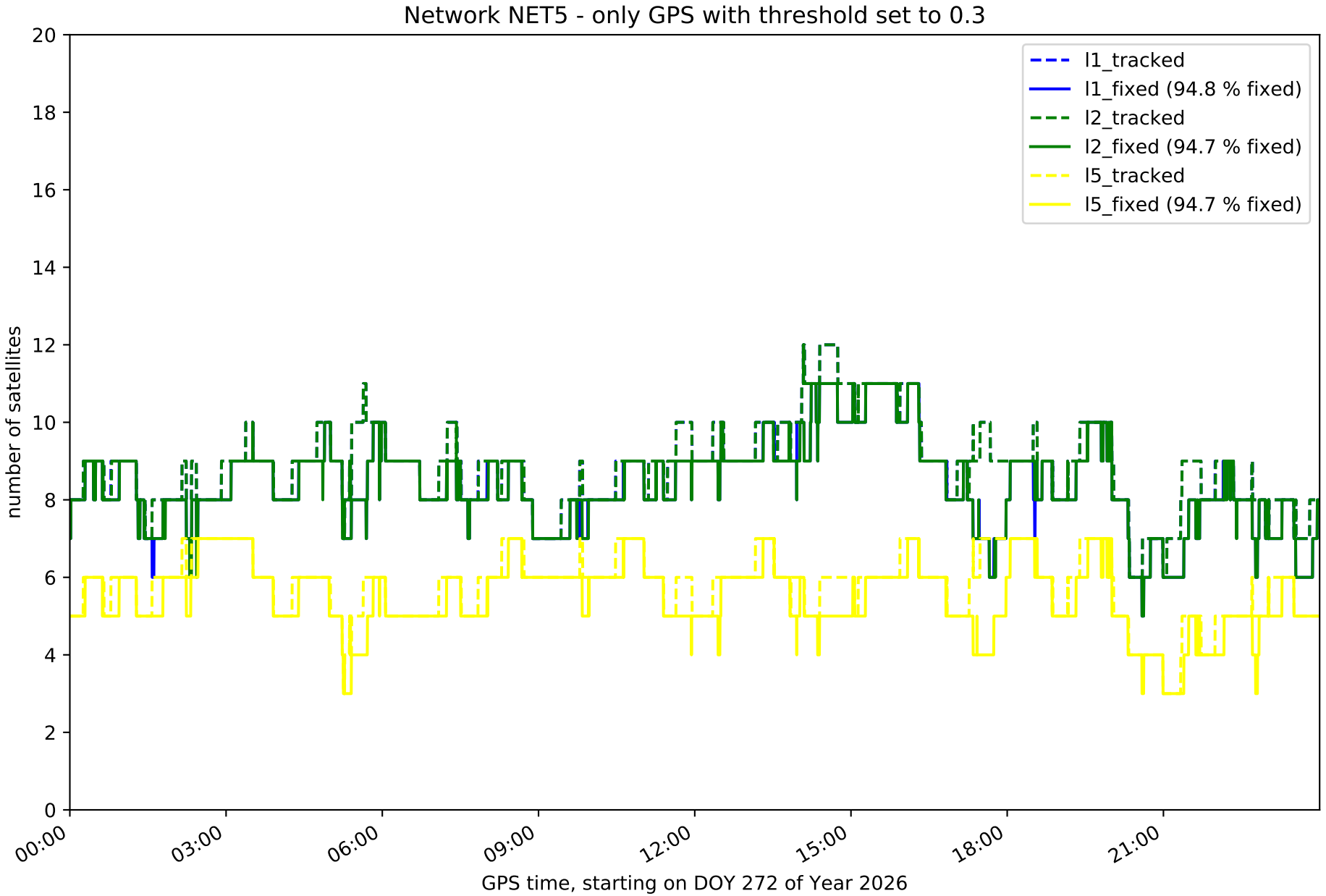
station ARDU:	antenna: LEIAR20 LEIM	receiver: LEICA GR50	height: 844.47
station BUOS:	antenna: TRM59900.00 SCIS	receiver: TRIMBLE NETR9	height: 963.892
station BURG:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 939.518
station CALH:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 411.39
station CAS0:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR30	height: 564.199
station CERV:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 723.308
station ELCI:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR30	height: 525.686
station LOSA:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 510.249
station QINT:	antenna: TRM59900.00 SCIS	receiver: TRIMBLE NETR9	height: 1191.824
station RIO1:	antenna: LEIAR25.R4 LEIT	receiver: LEICA GR50	height: 450.419
station SANR:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 361.505
station SORI:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 1135.68
station SROM:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 1150.482
station VTRO:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 1626.171

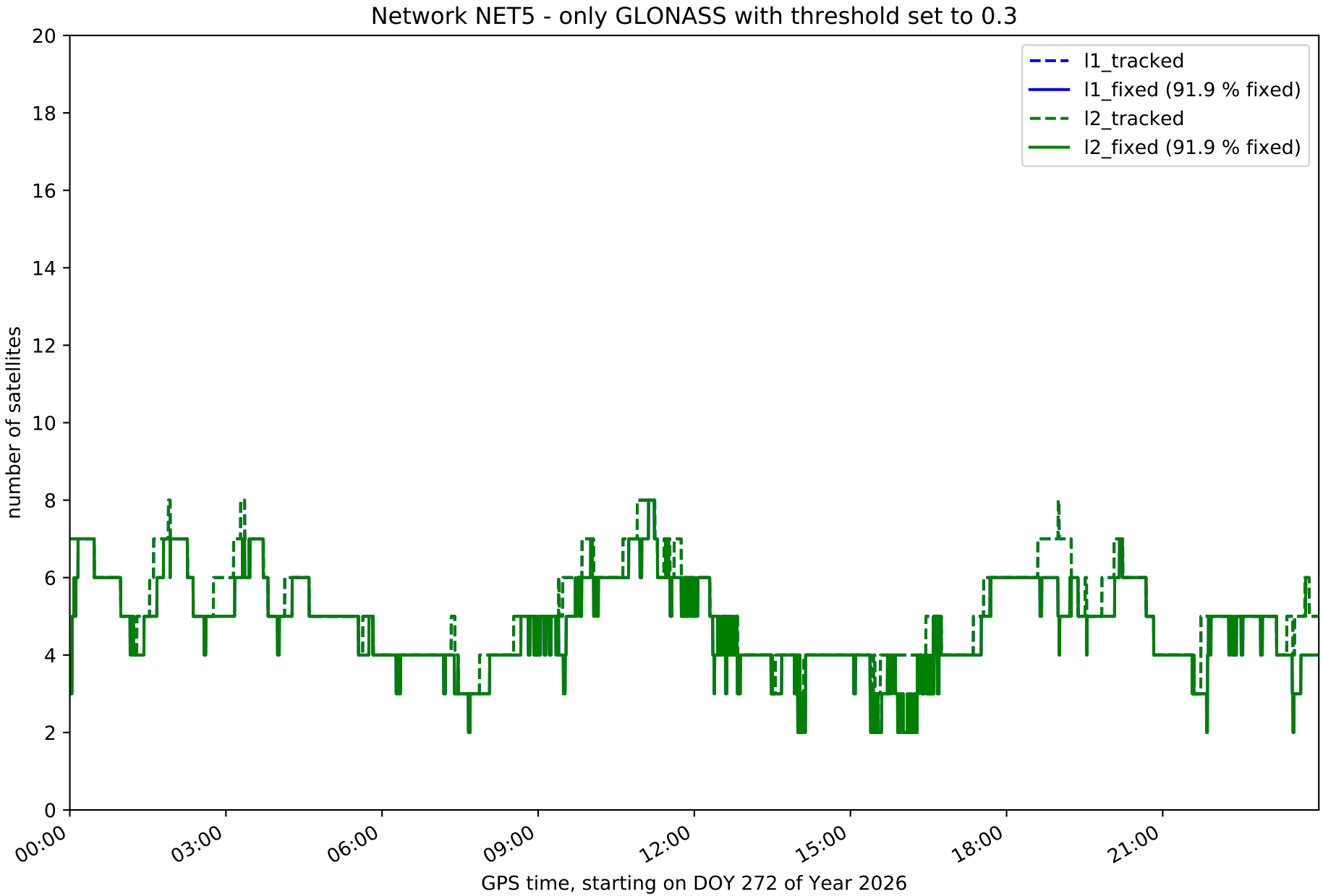

Processing rate in network NET5
time difference to next processed epoch [s]
0
2
4
6
8
10
12
14
16
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 272 of Year 2026

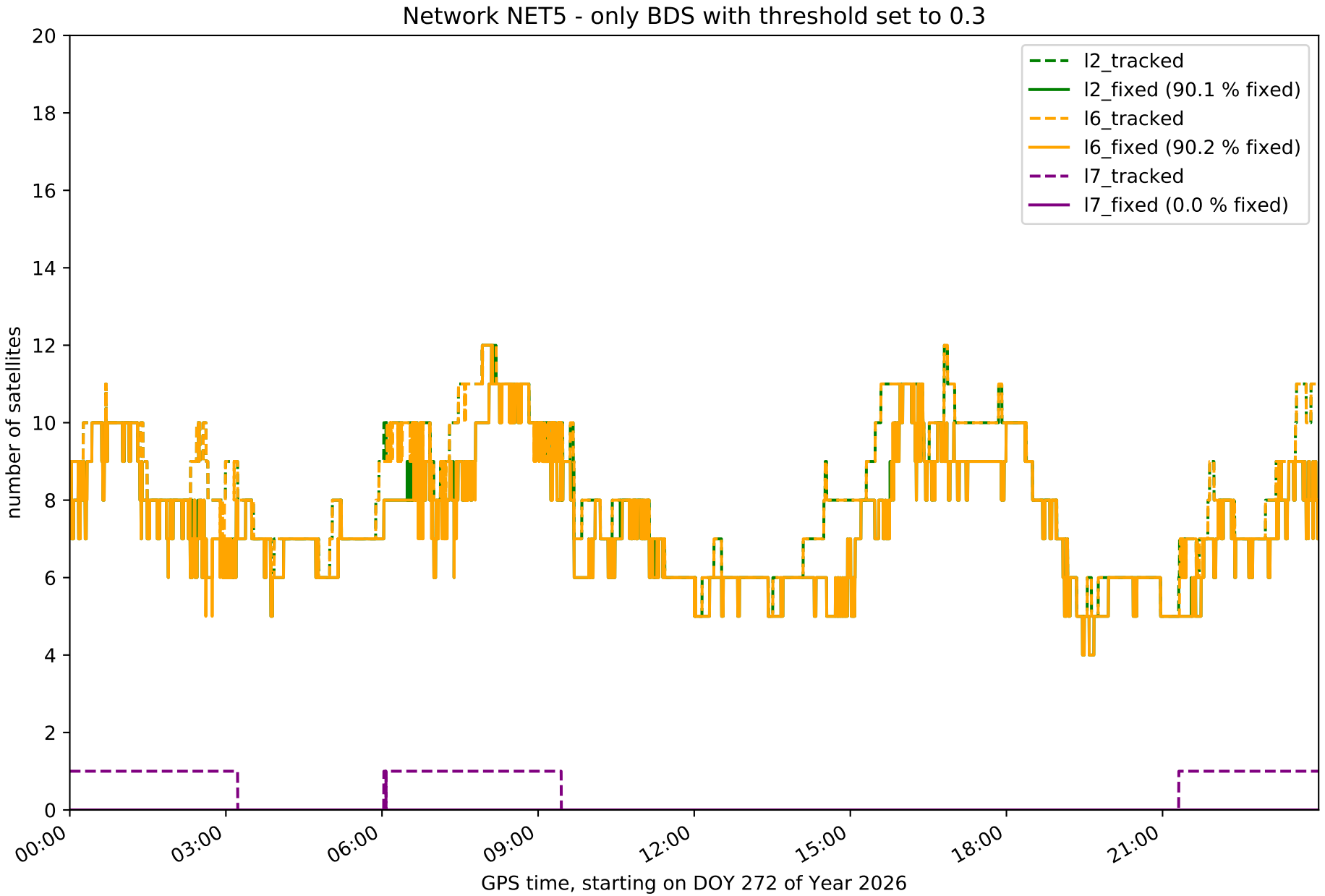

Histogram of the processing rate in network NET5 (durations larger 15 seconds neglected)
number of epochs
70000
60000
50000
40000
30000
20000
10000
0
1
2
3
time difference to next processed epoch [s]

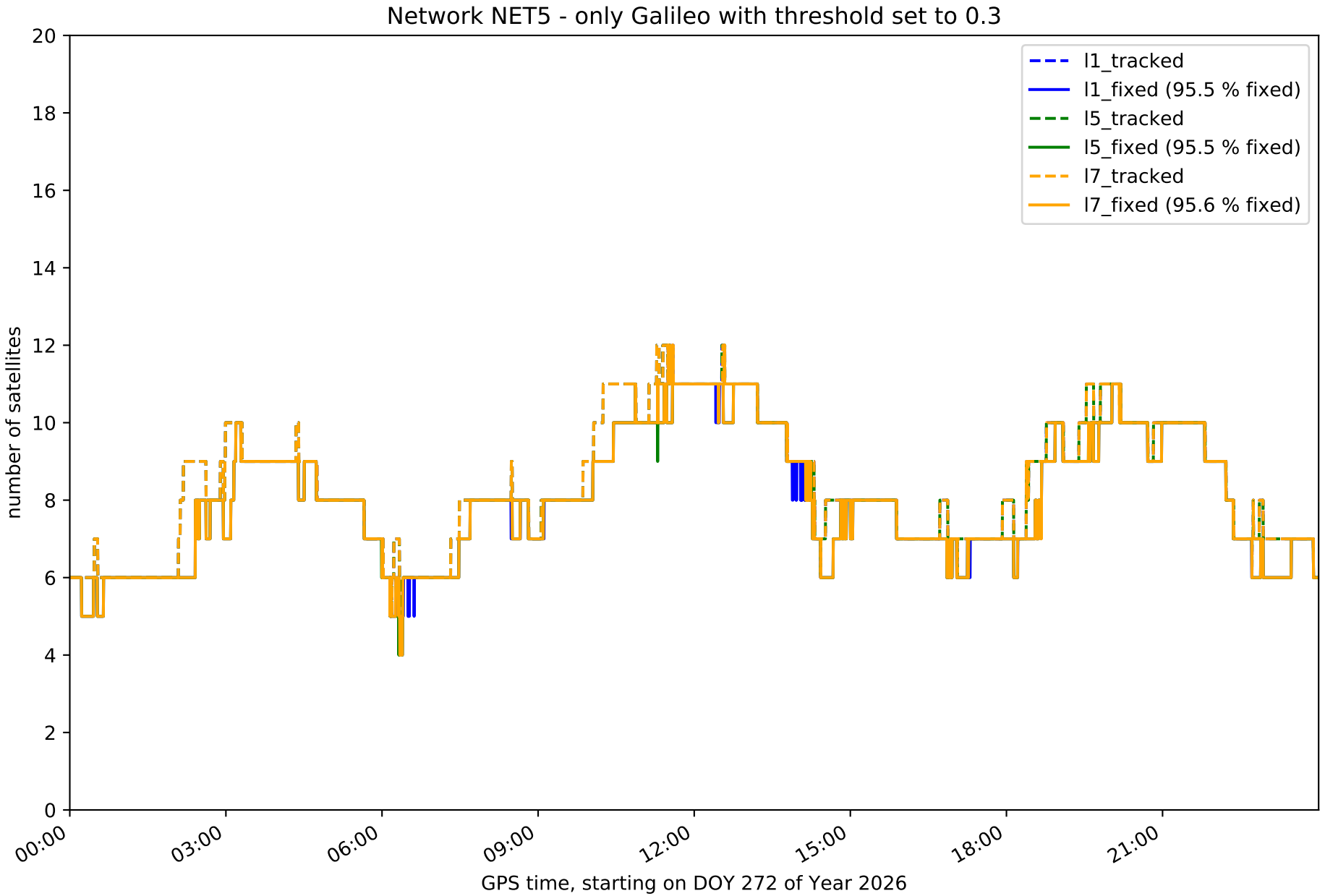

Network NET5 with threshold set to 0.3
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
40
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 272 of Year 2026

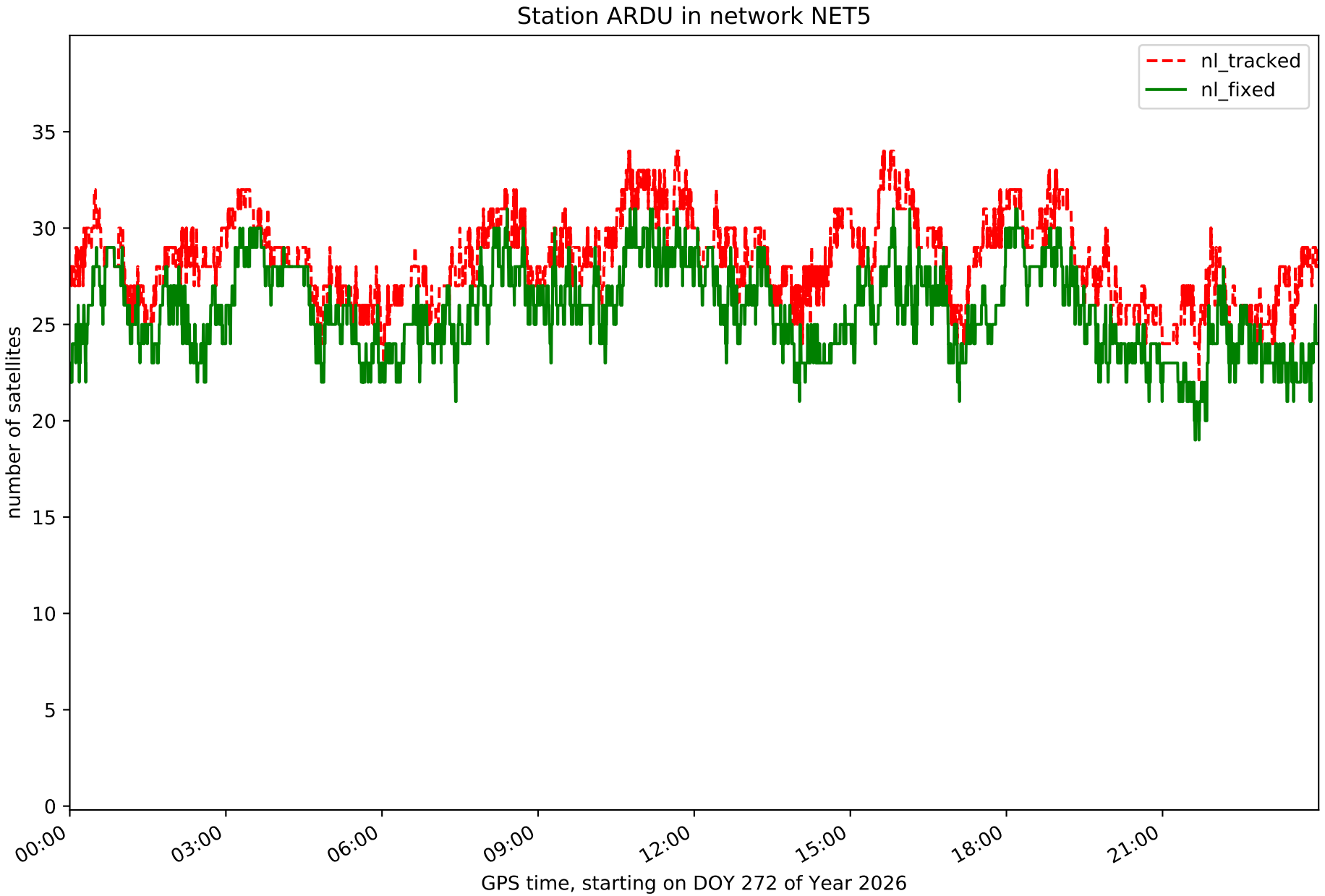

Fixing percentage of satellites in network NET5 with threshold set to 0.3
percentage fixed to tracked
100
90
80
70
60
50
40
30
20
10
0
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 272 of Year 2026

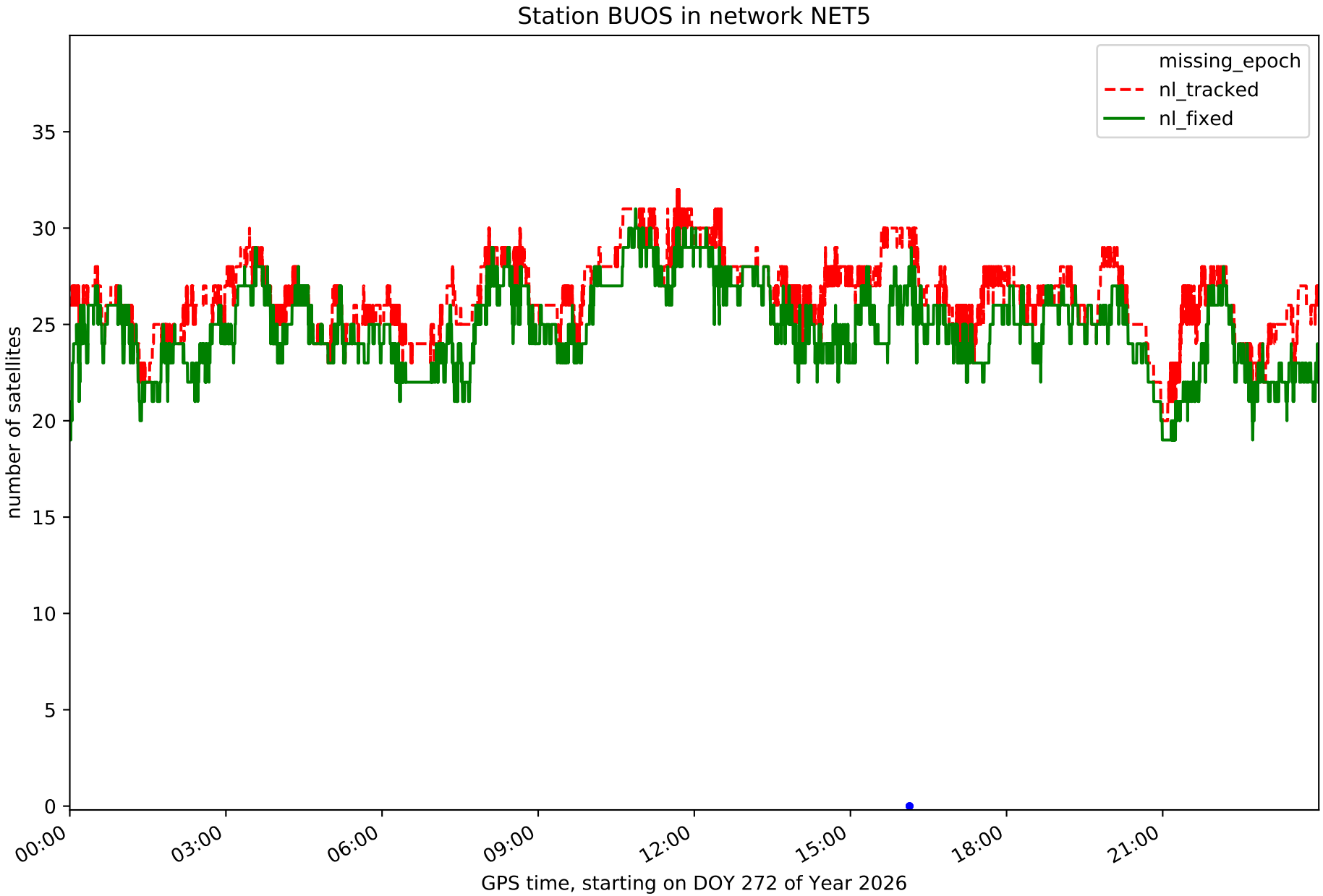

Network NET5 - only GPS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 272 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
l1_tracked
l1_fixed (94.8 % fixed)
l2_tracked
l2_fixed (94.7 % fixed)
l5_tracked
l5_fixed (94.7 % fixed)

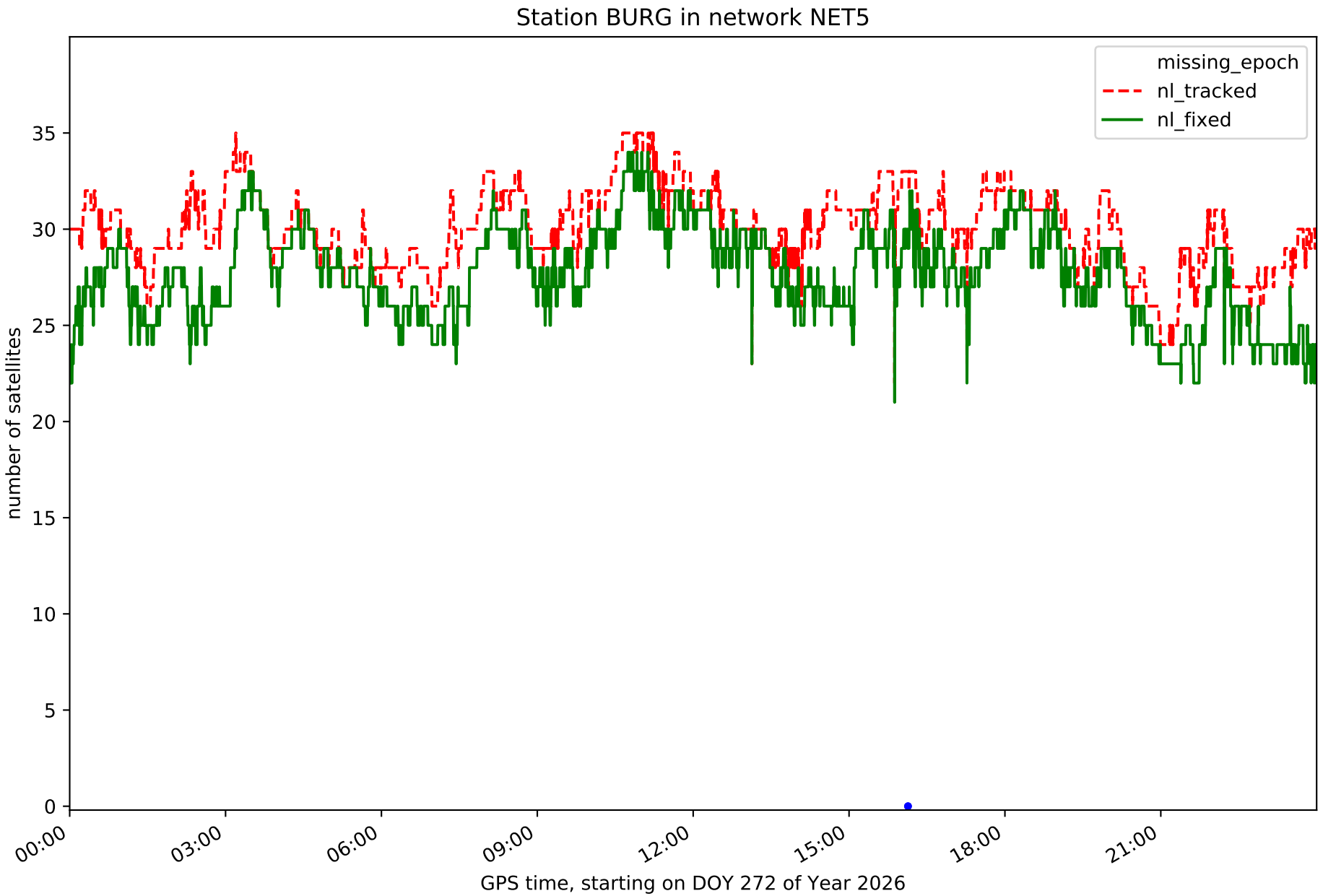

Network NET5 - only GLONASS with threshold set to 0.3
l1_tracked
l1_fixed (91.9 % fixed)
l2_tracked
l2_fixed (91.9 % fixed)
number of satellites
0
2
4
6
8
10
12
14
16
18
20
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 272 of Year 2026

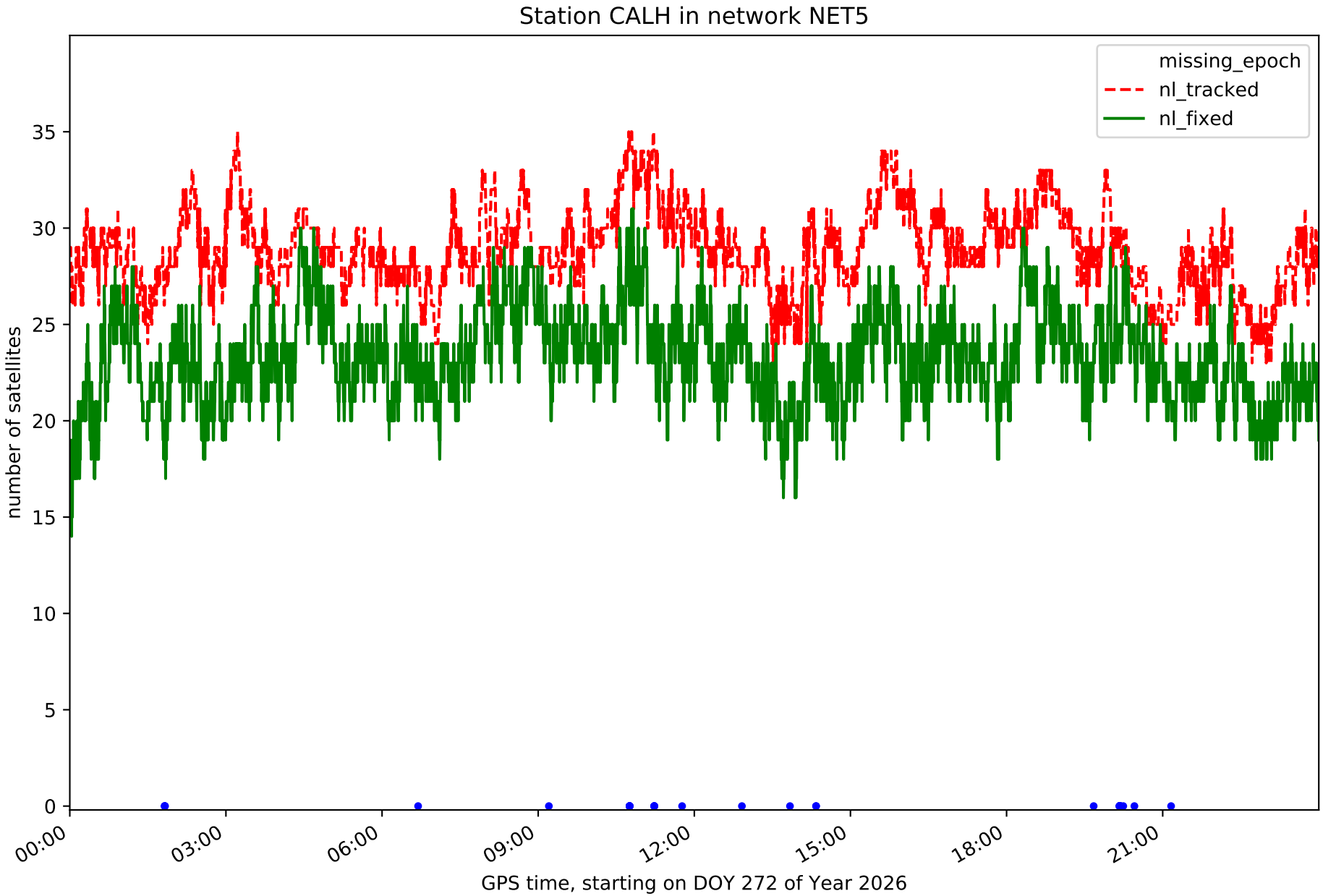

Network NET5 - only BDS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 272 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
I2_tracked
I2_fixed (90.1 % fixed)
I6_tracked
I6_fixed (90.2 % fixed)
I7_tracked
I7_fixed (0.0 % fixed)

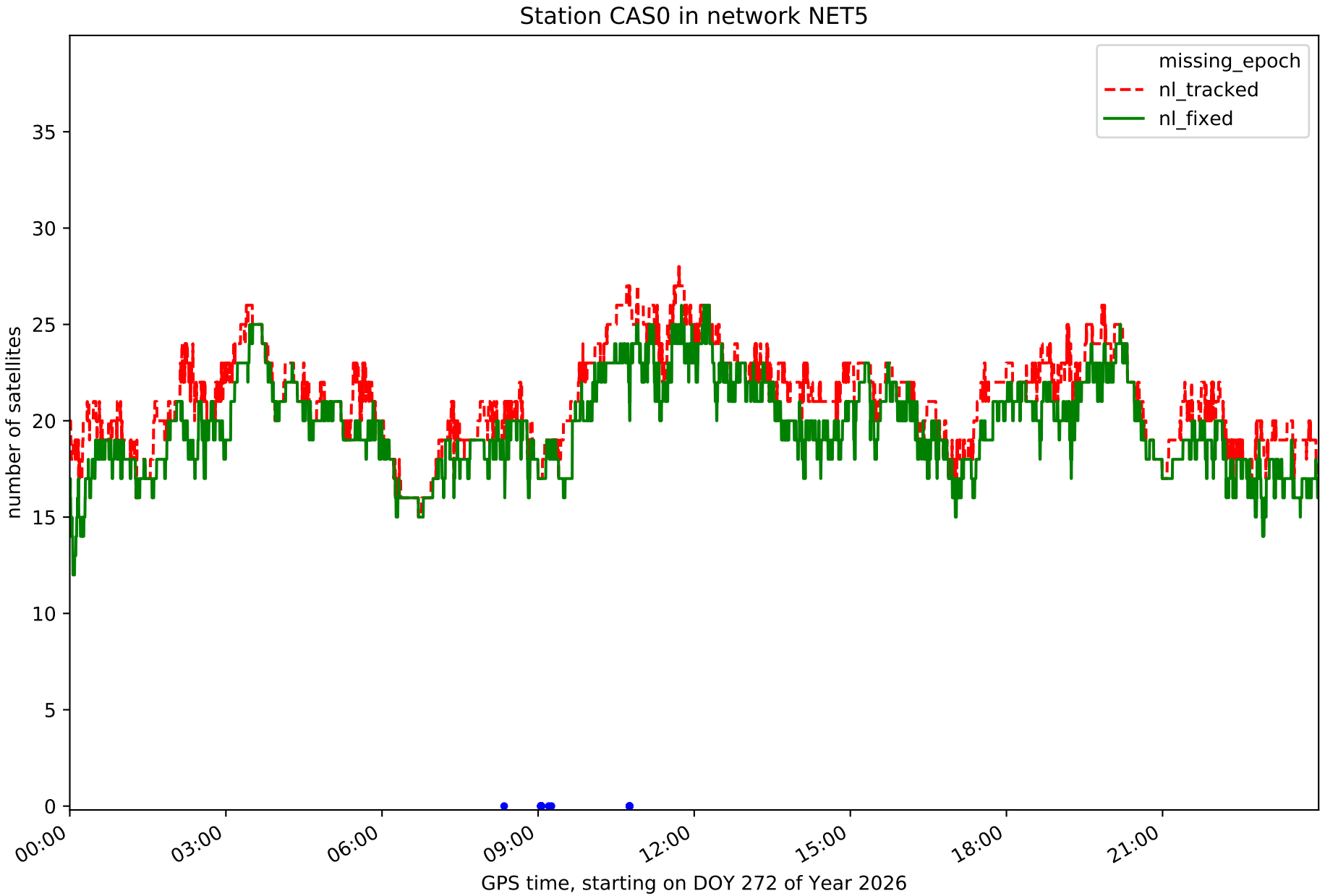

Network NET5 - only Galileo with threshold set to 0.3
number of satellites
GPS time, starting on DOY 272 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
l1_tracked
l1_fixed (95.5 % fixed)
l5_tracked
l5_fixed (95.5 % fixed)
l7_tracked
l7_fixed (95.6 % fixed)

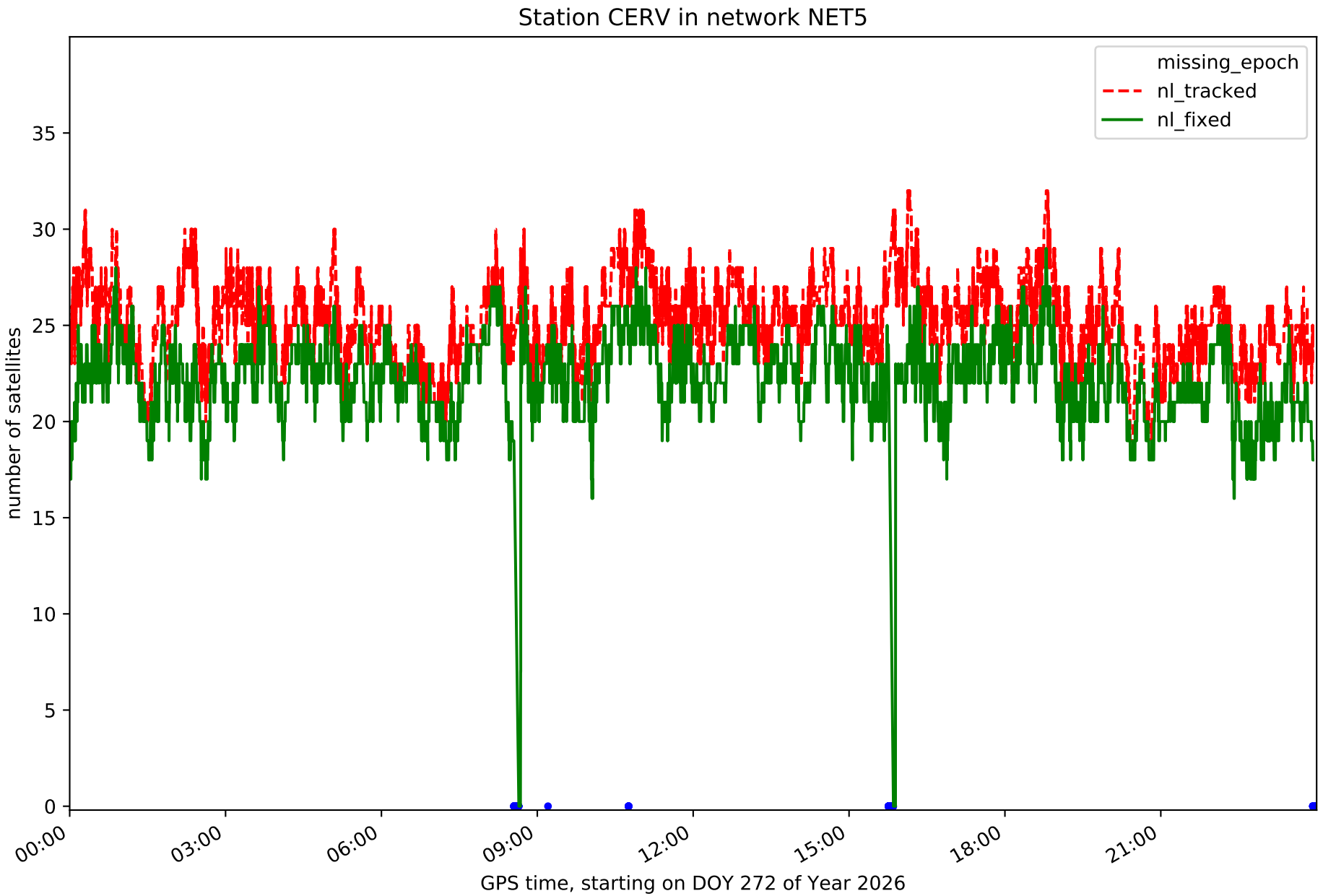

Station ARDU in network NET5
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 272 of Year 2026

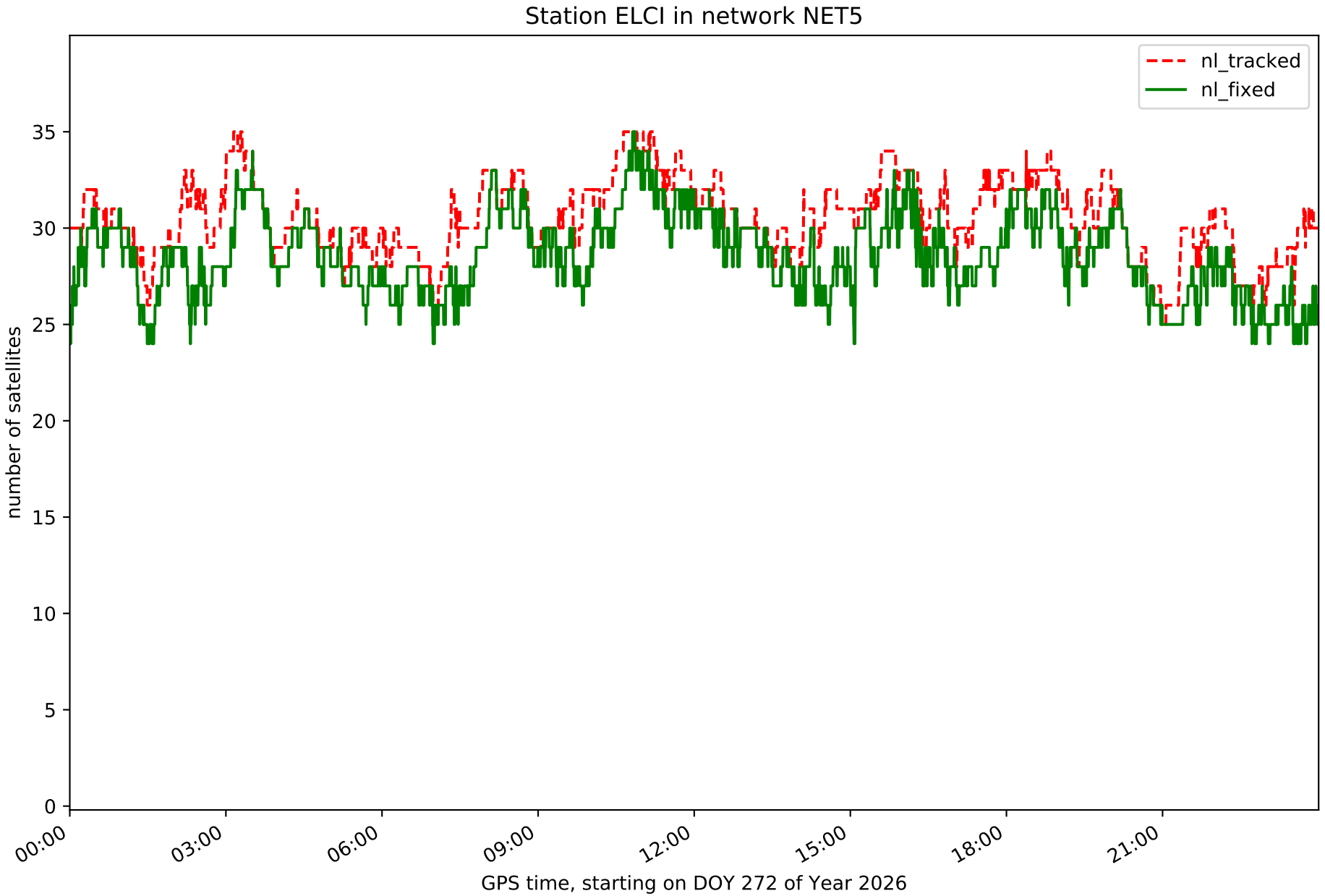

Station BUOS in network NET5
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 272 of Year 2026

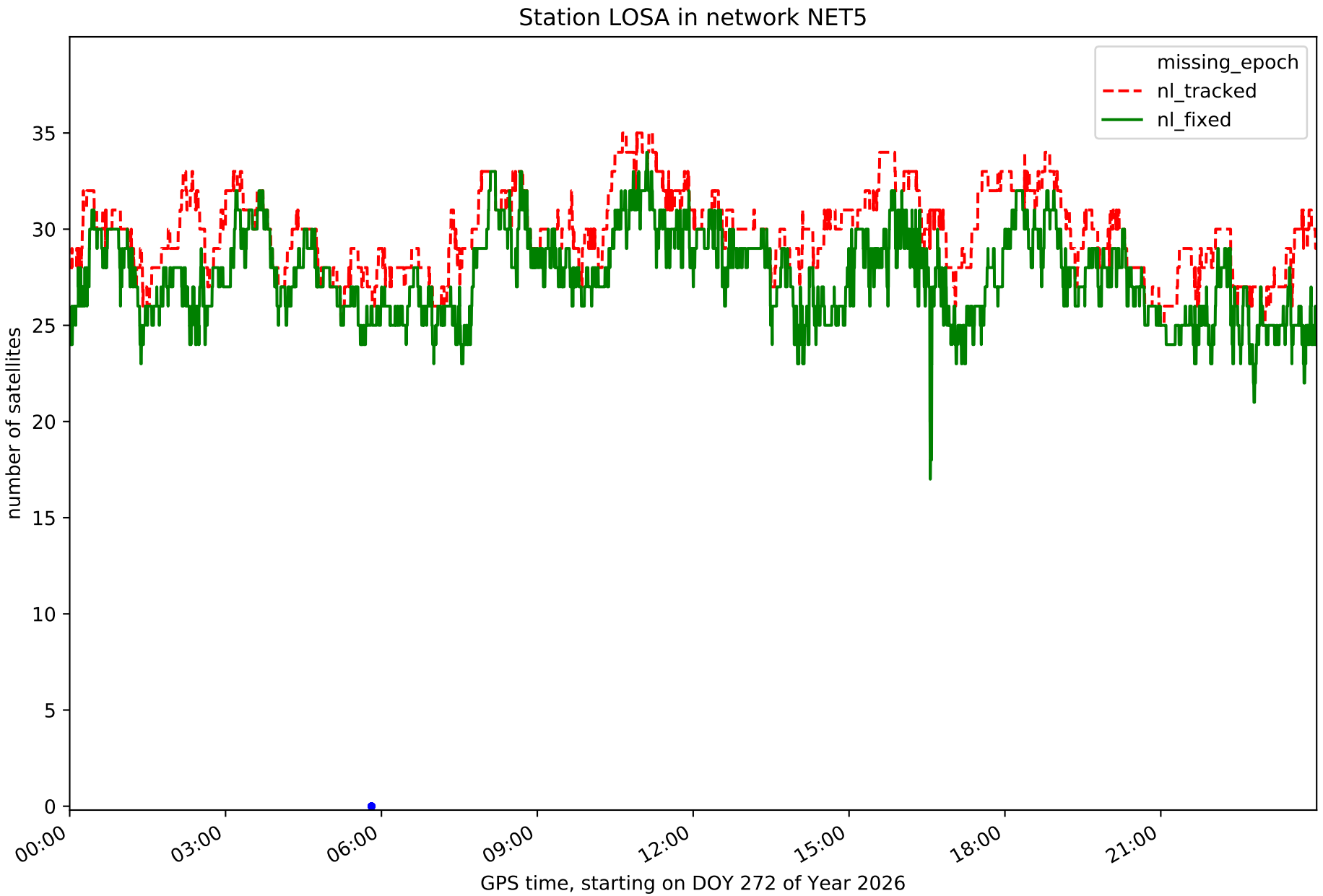

Station BURG in network NET5
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 272 of Year 2026

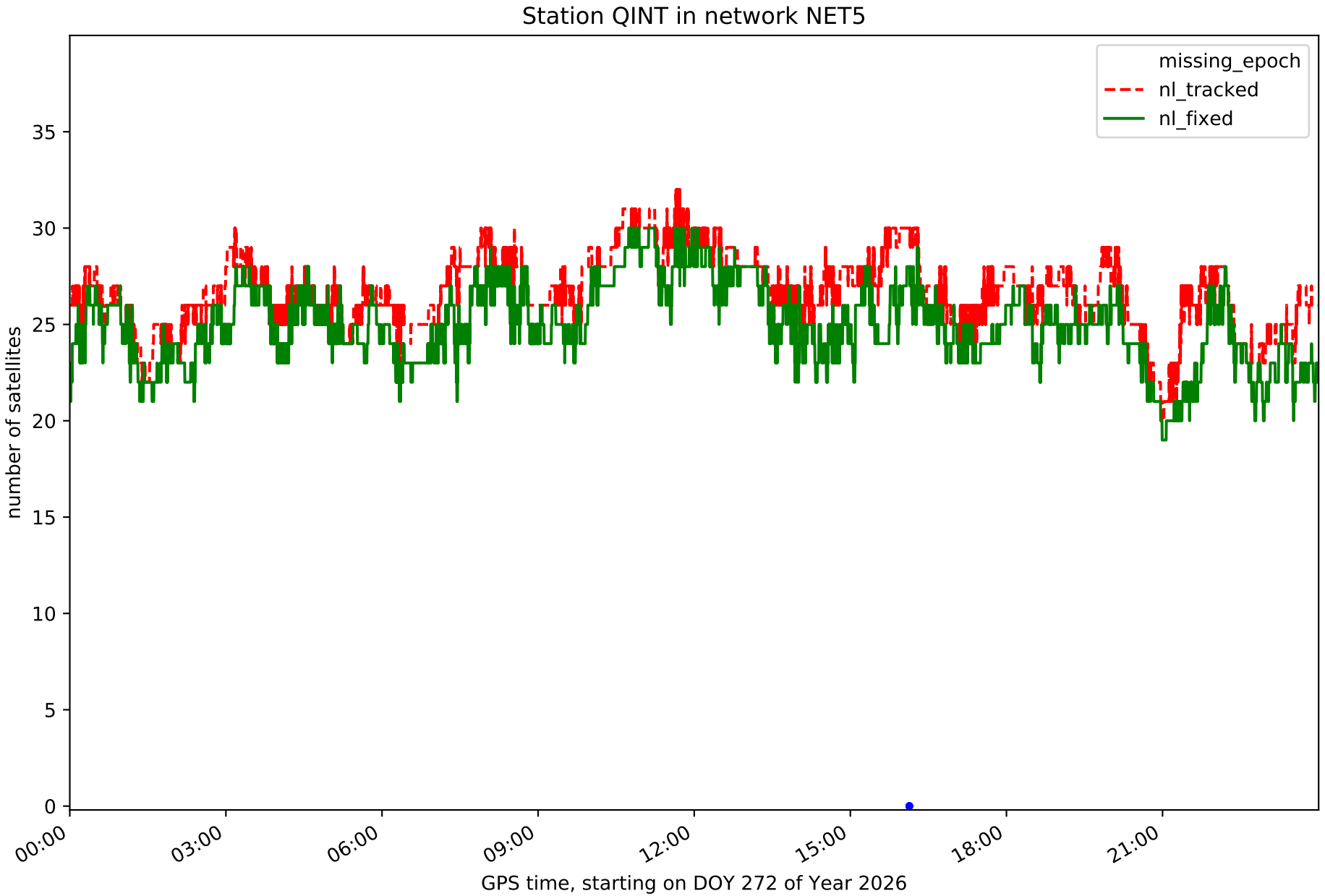

Station CALH in network NET5
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 272 of Year 2026

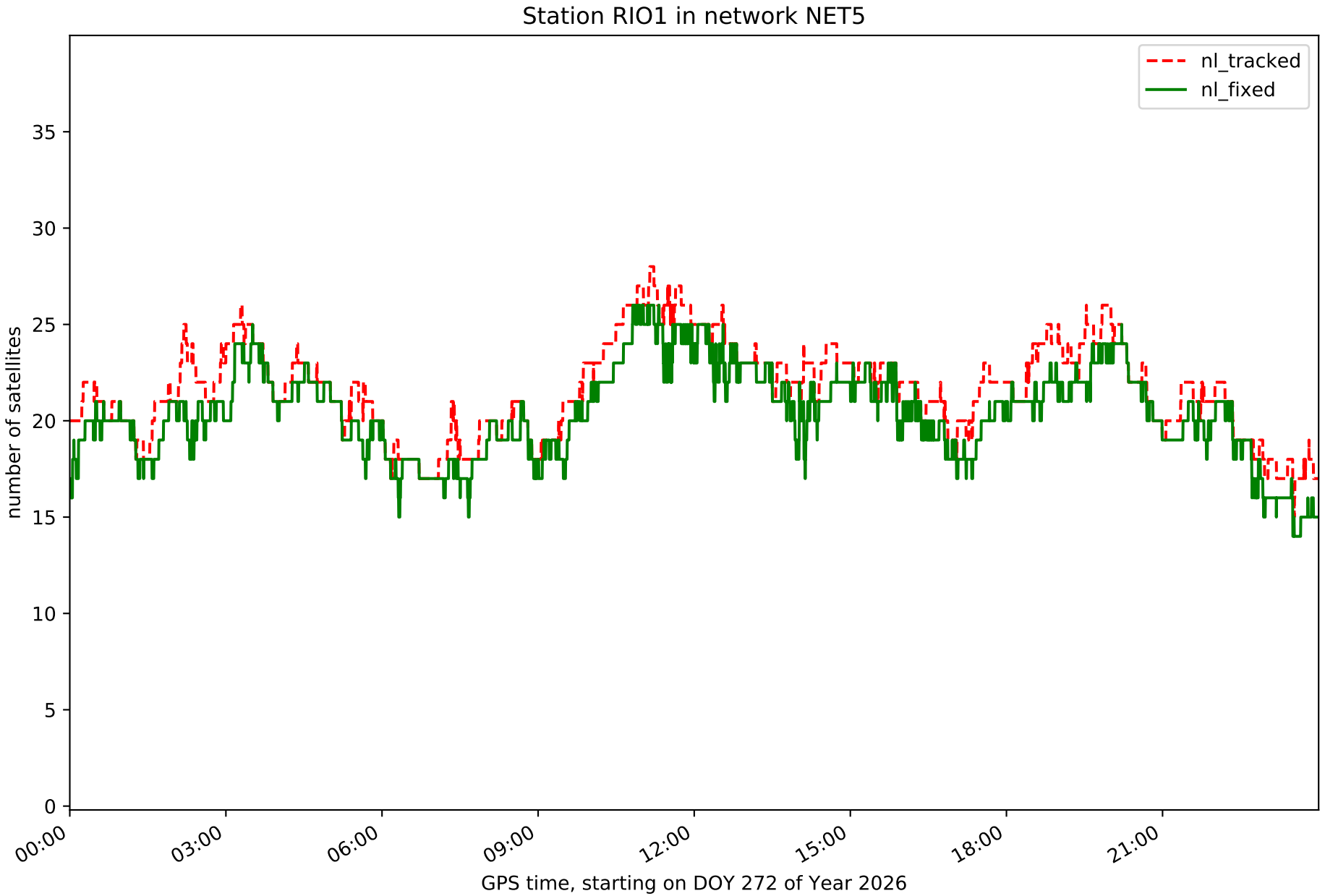

Station CAS0 in network NET5
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 272 of Year 2026

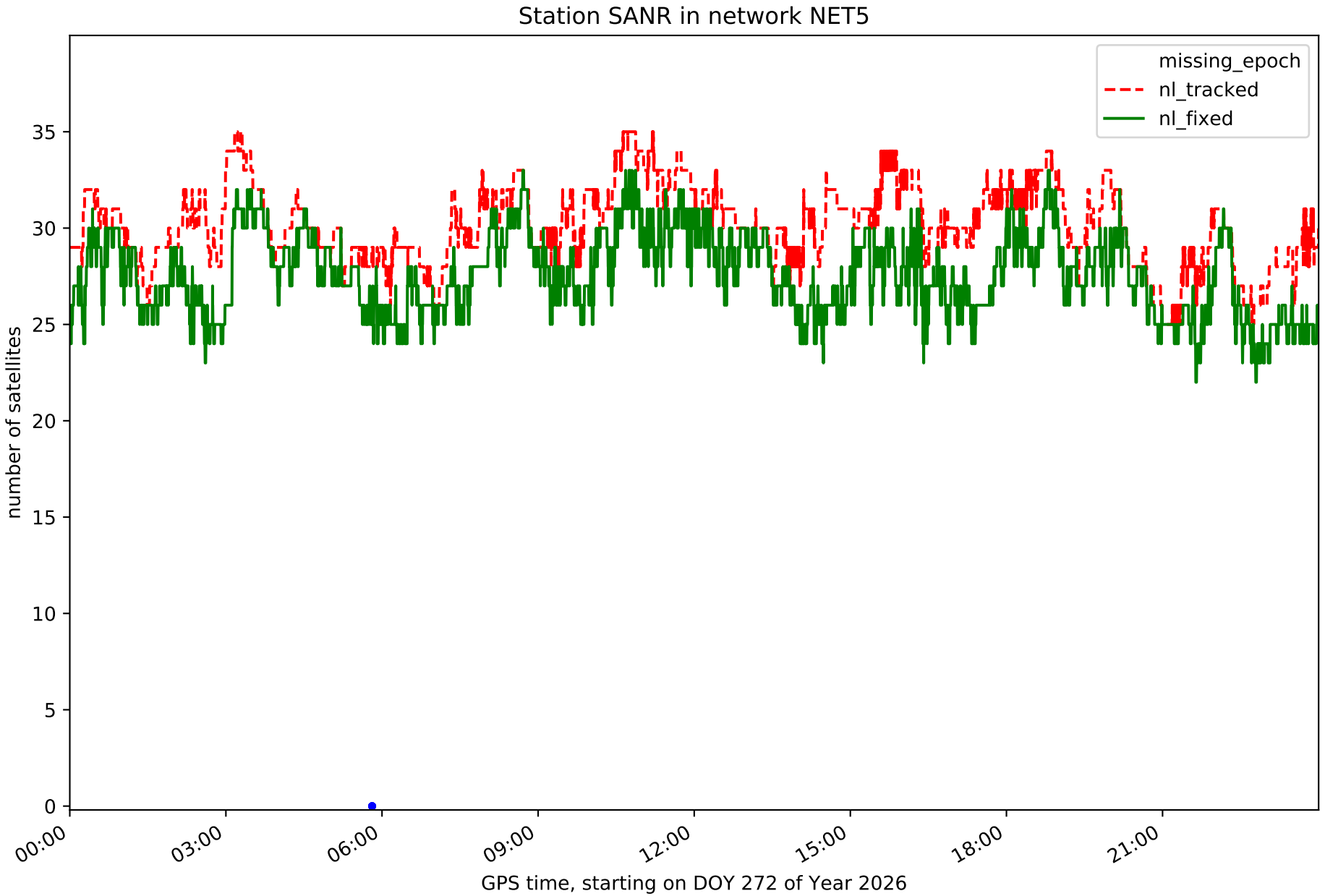

Station CERV in network NET5
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 272 of Year 2026

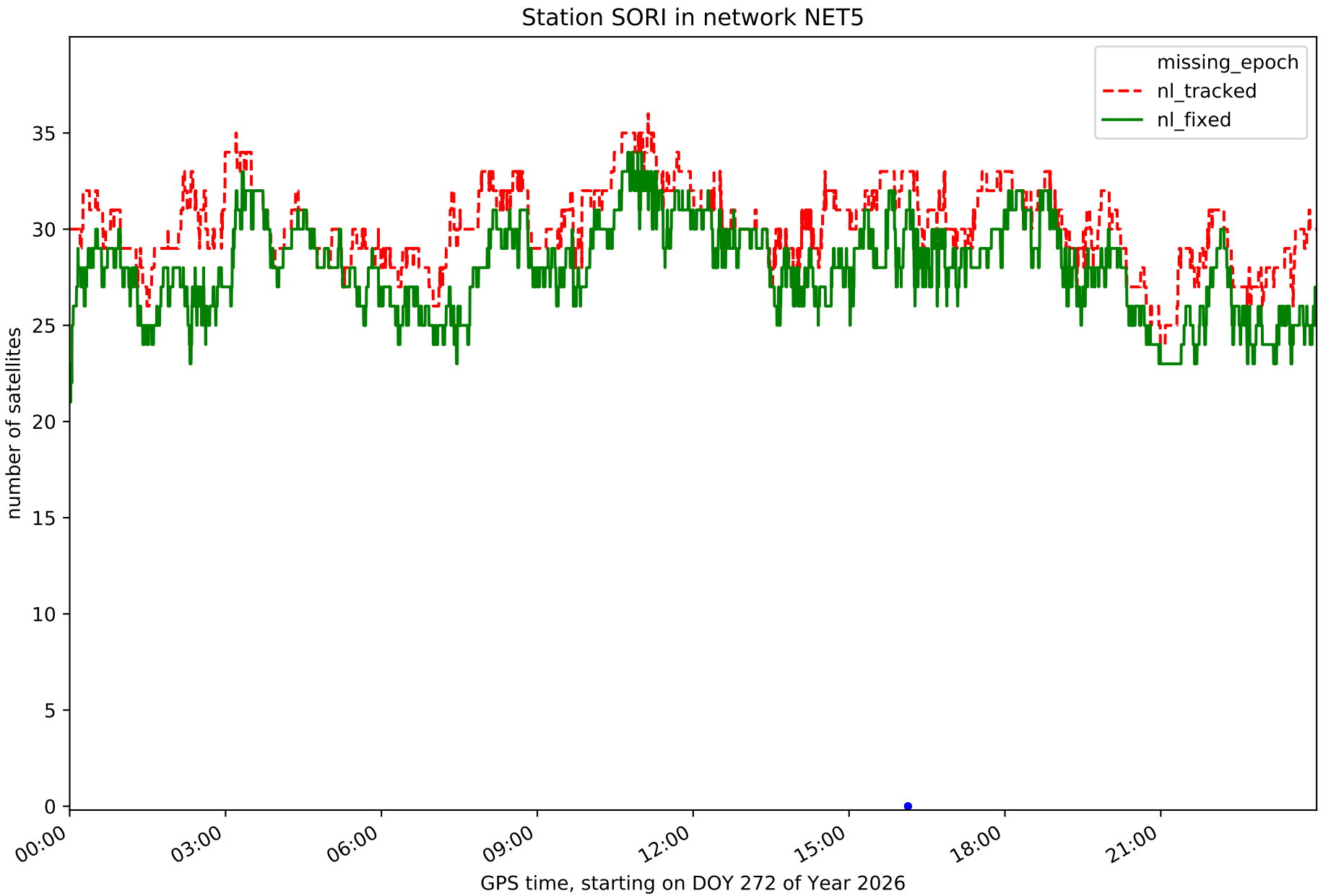

Station ELCI in network NET5
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 272 of Year 2026

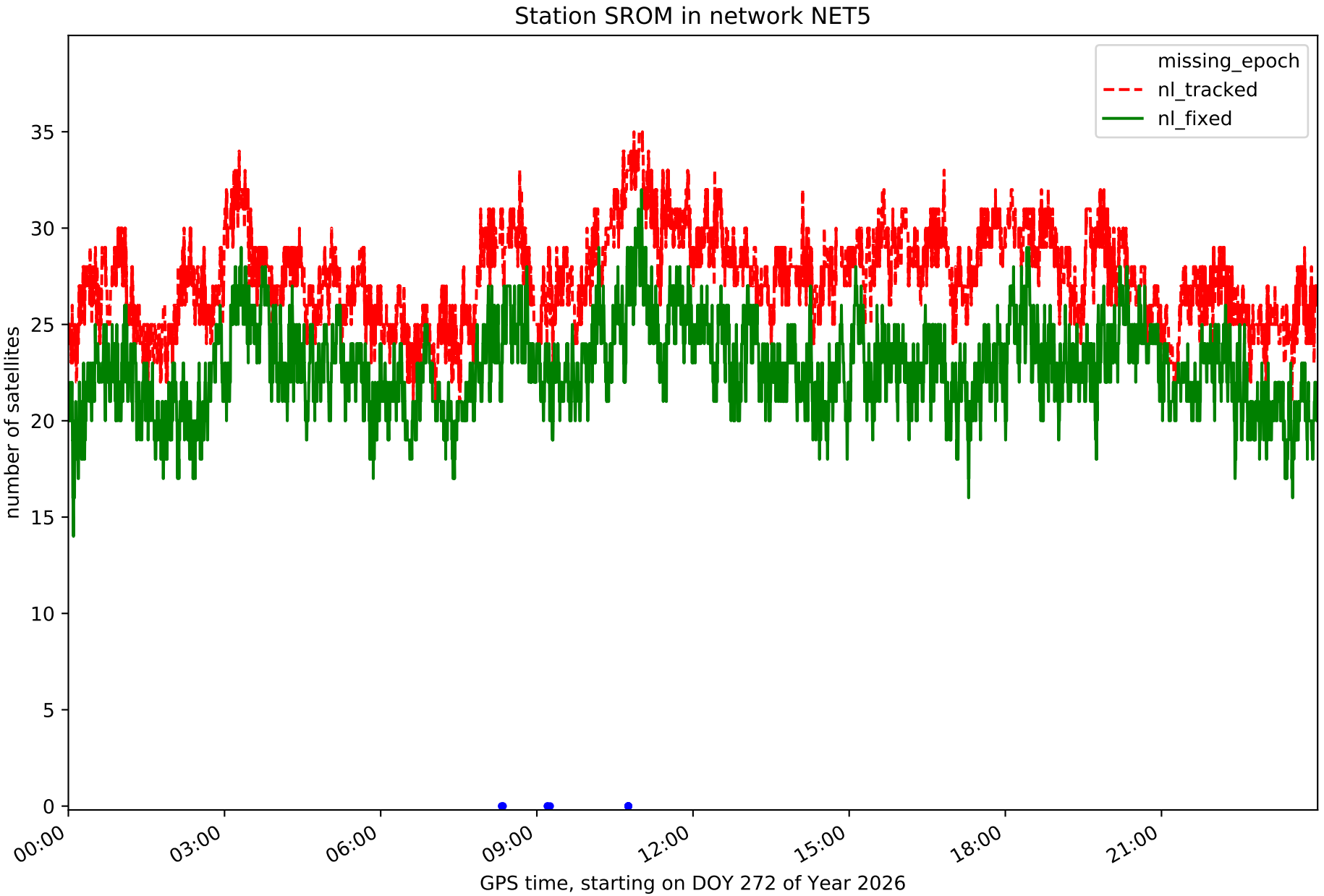

Station LOSA in network NET5
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 272 of Year 2026

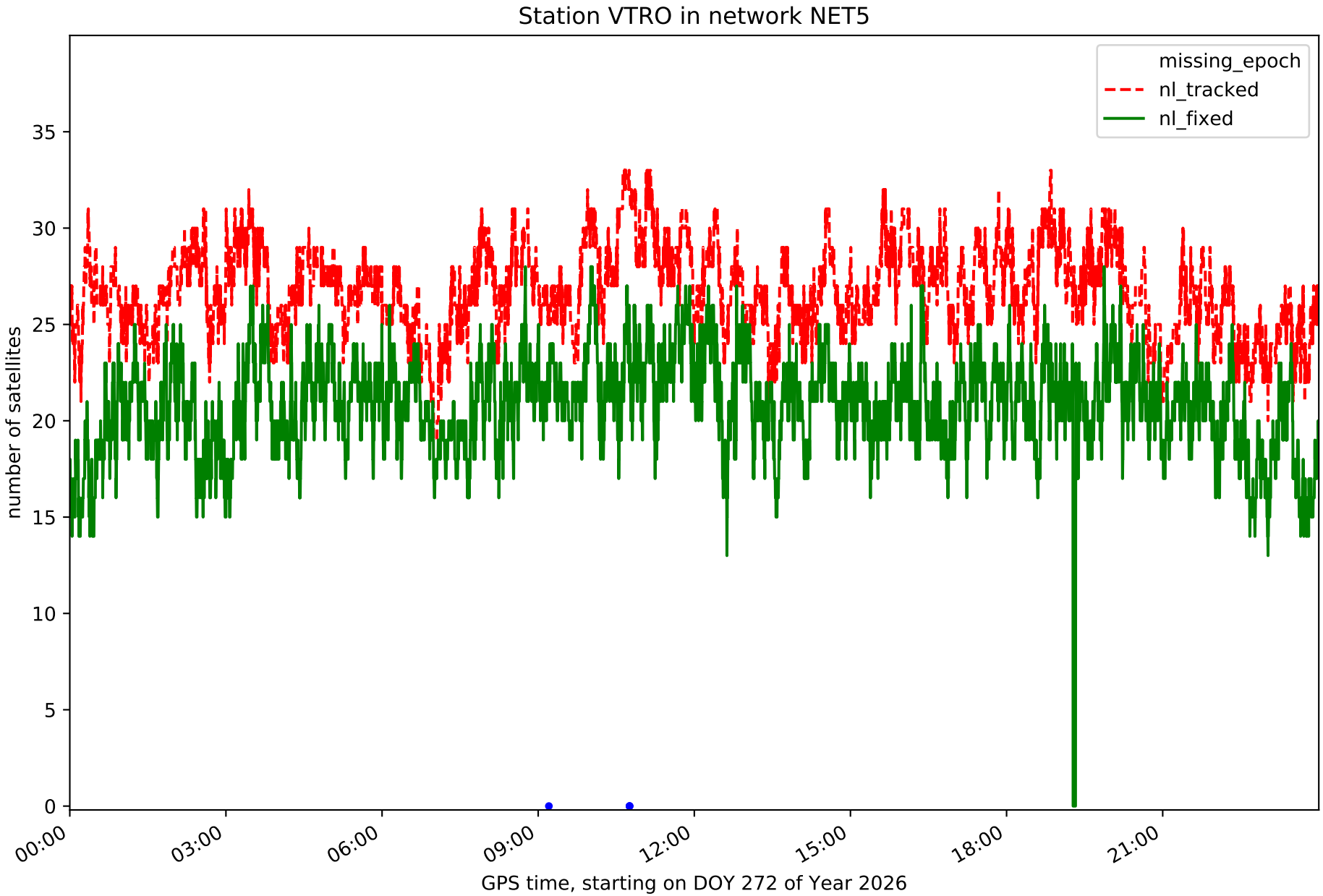

Station QINT in network NET5
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 272 of Year 2026

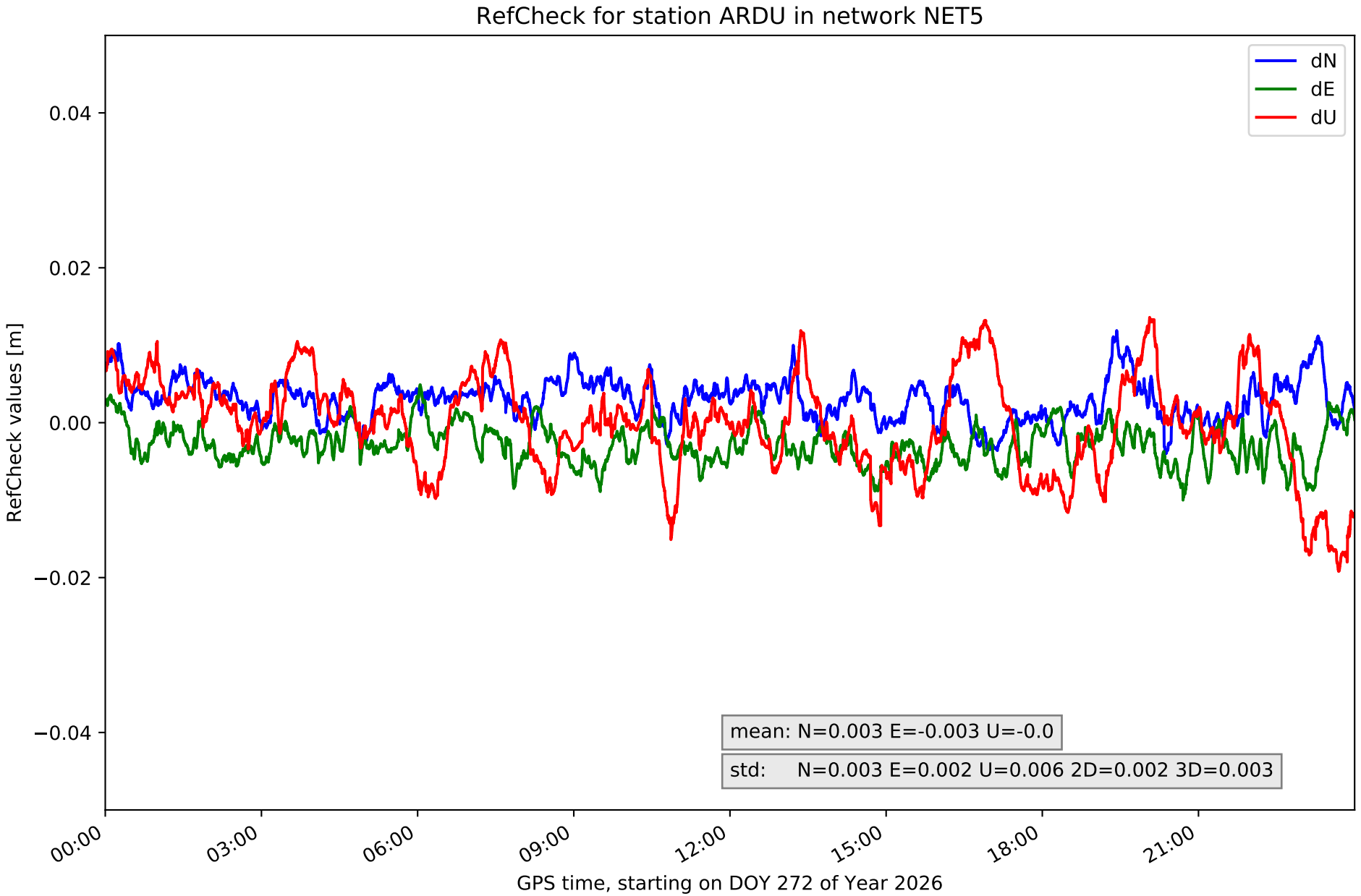

Station RIO1 in network NET5
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 272 of Year 2026

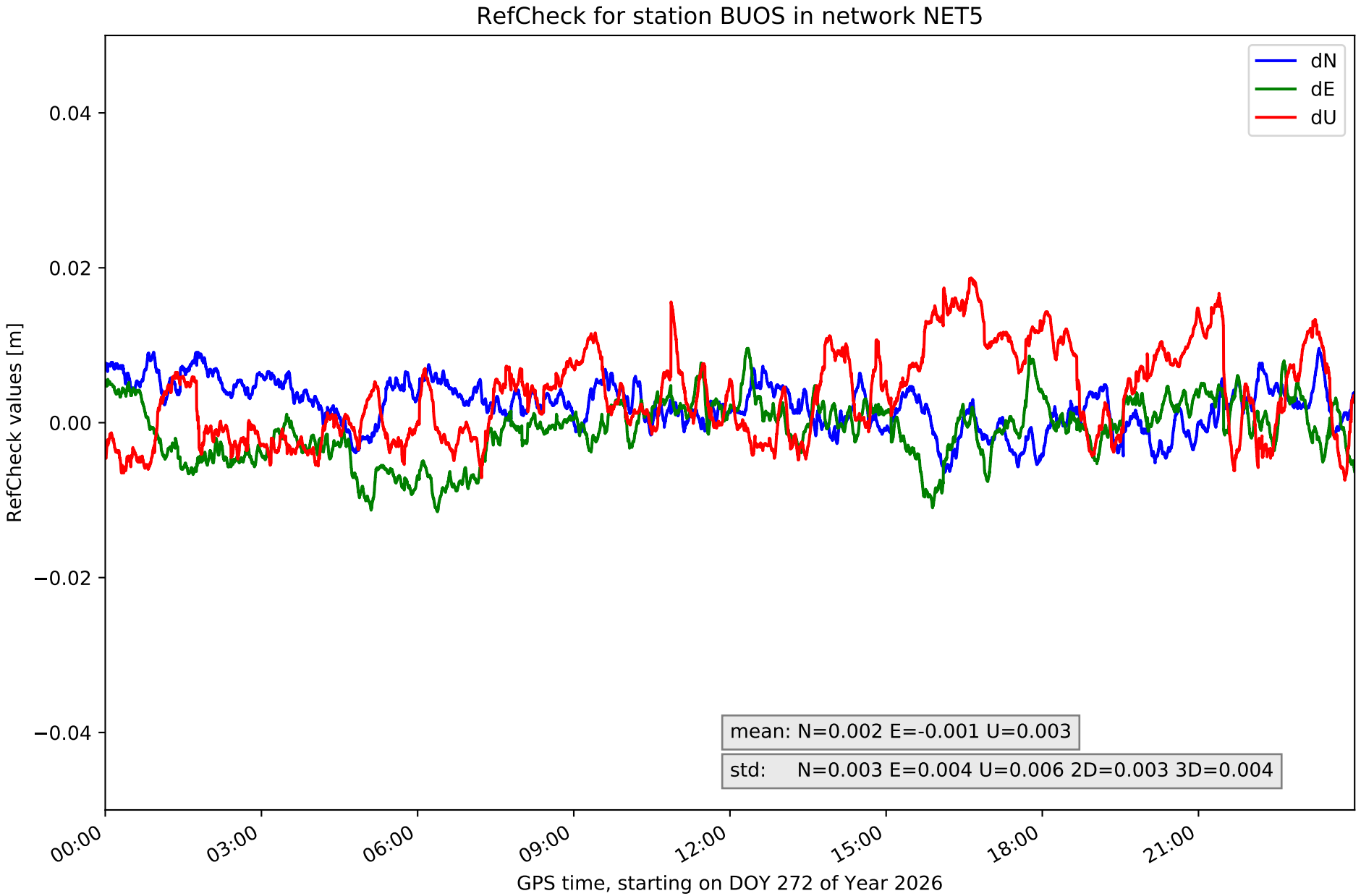

Station SANR in network NET5
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 272 of Year 2026

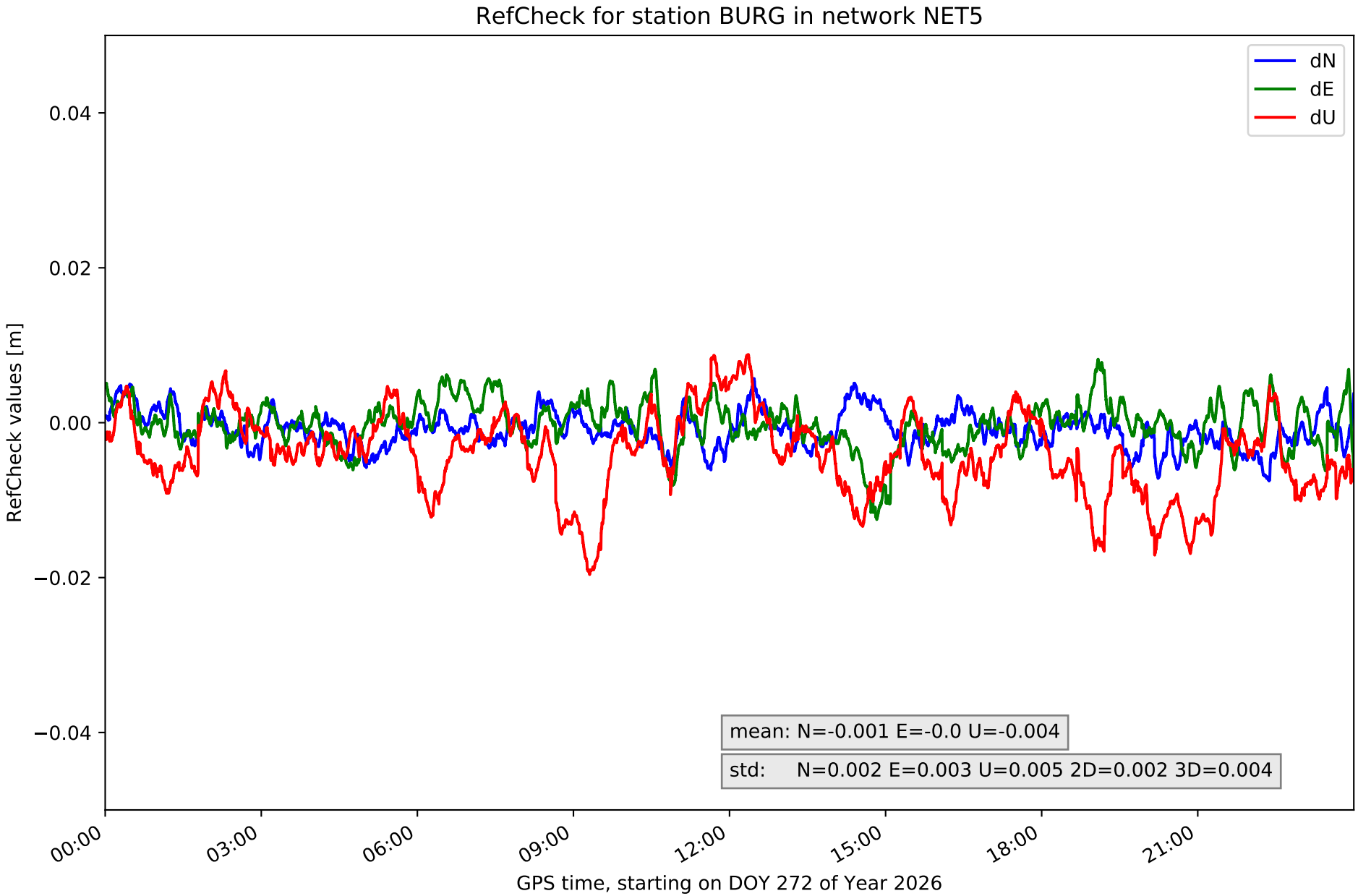

Station SORI in network NET5
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 272 of Year 2026

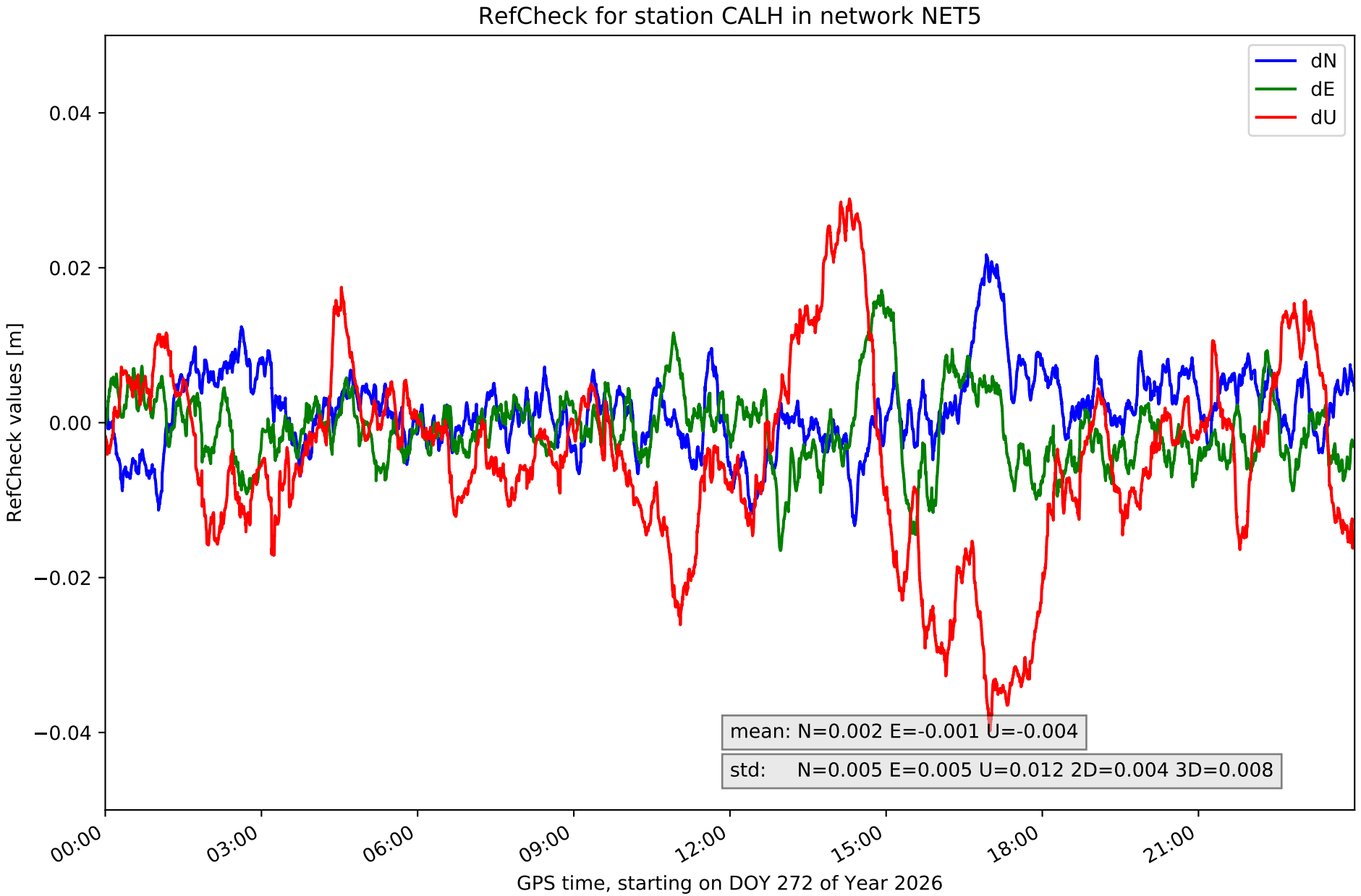

Station SROM in network NET5
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 272 of Year 2026

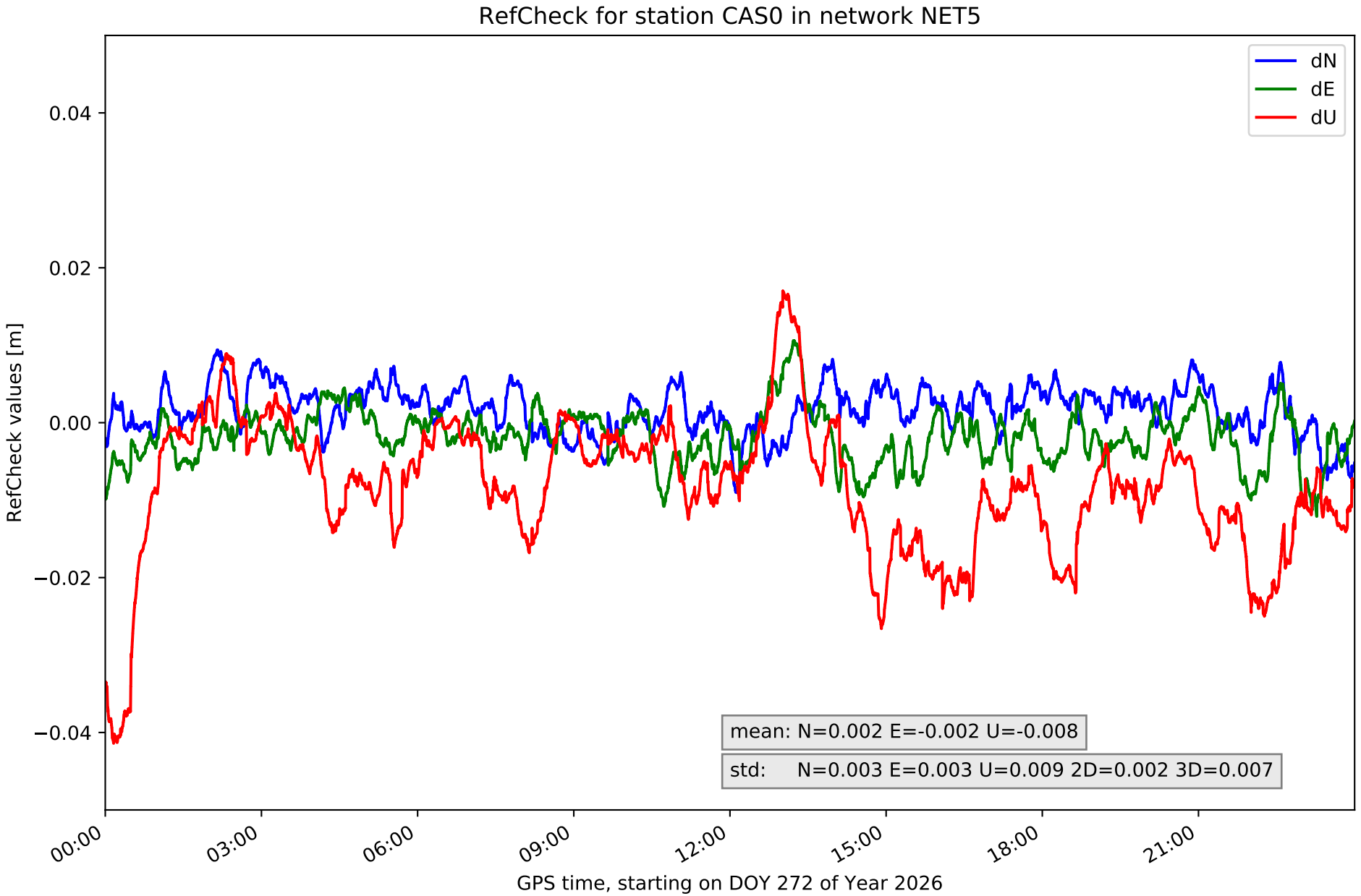

Station VTRO in network NET5
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 272 of Year 2026

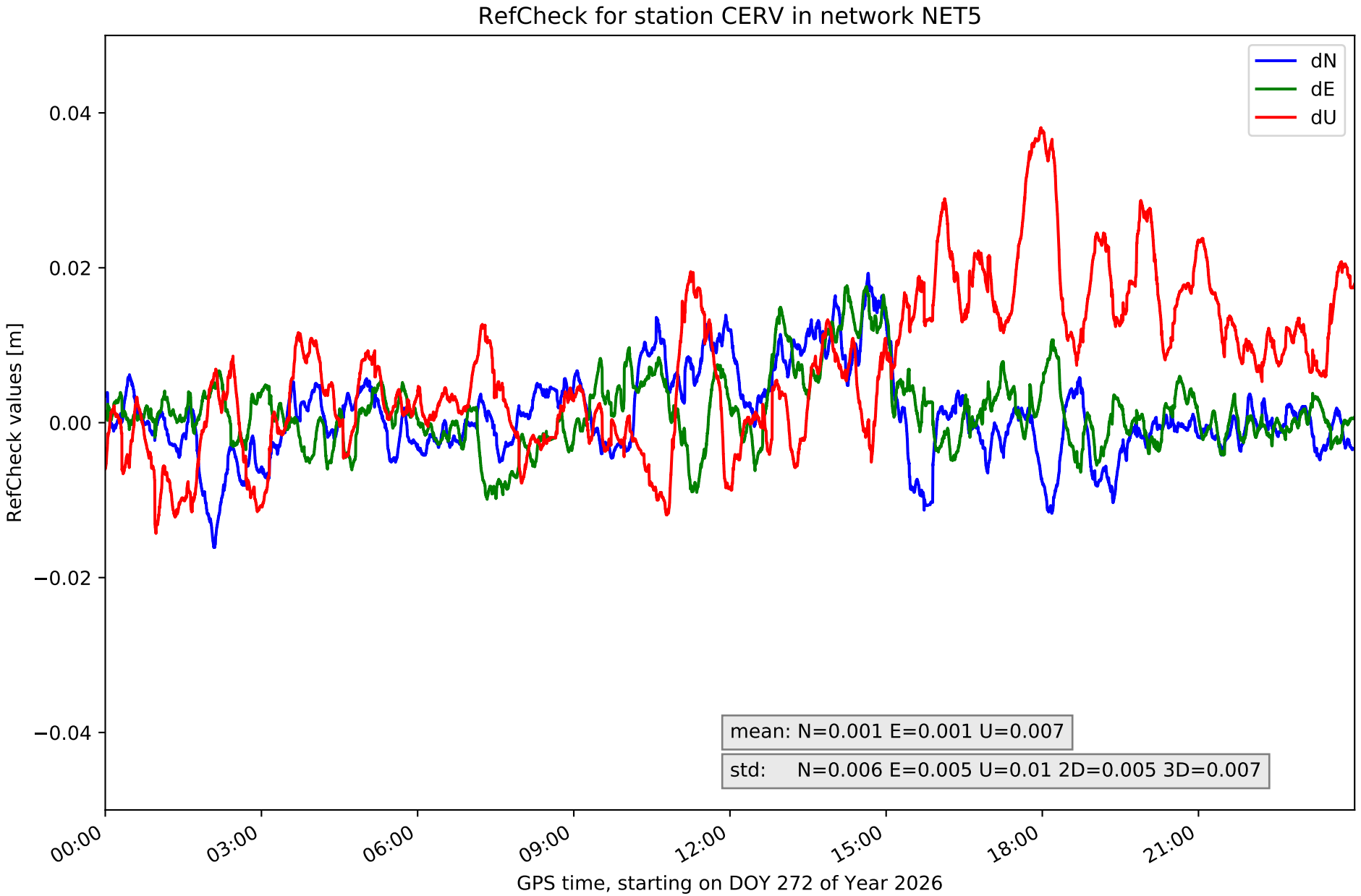

RefCheck for station ARDU in network NET5
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.003 E=-0.003 U=-0.0
std: N=0.003 E=0.002 U=0.006 2D=0.002 3D=0.003
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 272 of Year 2026

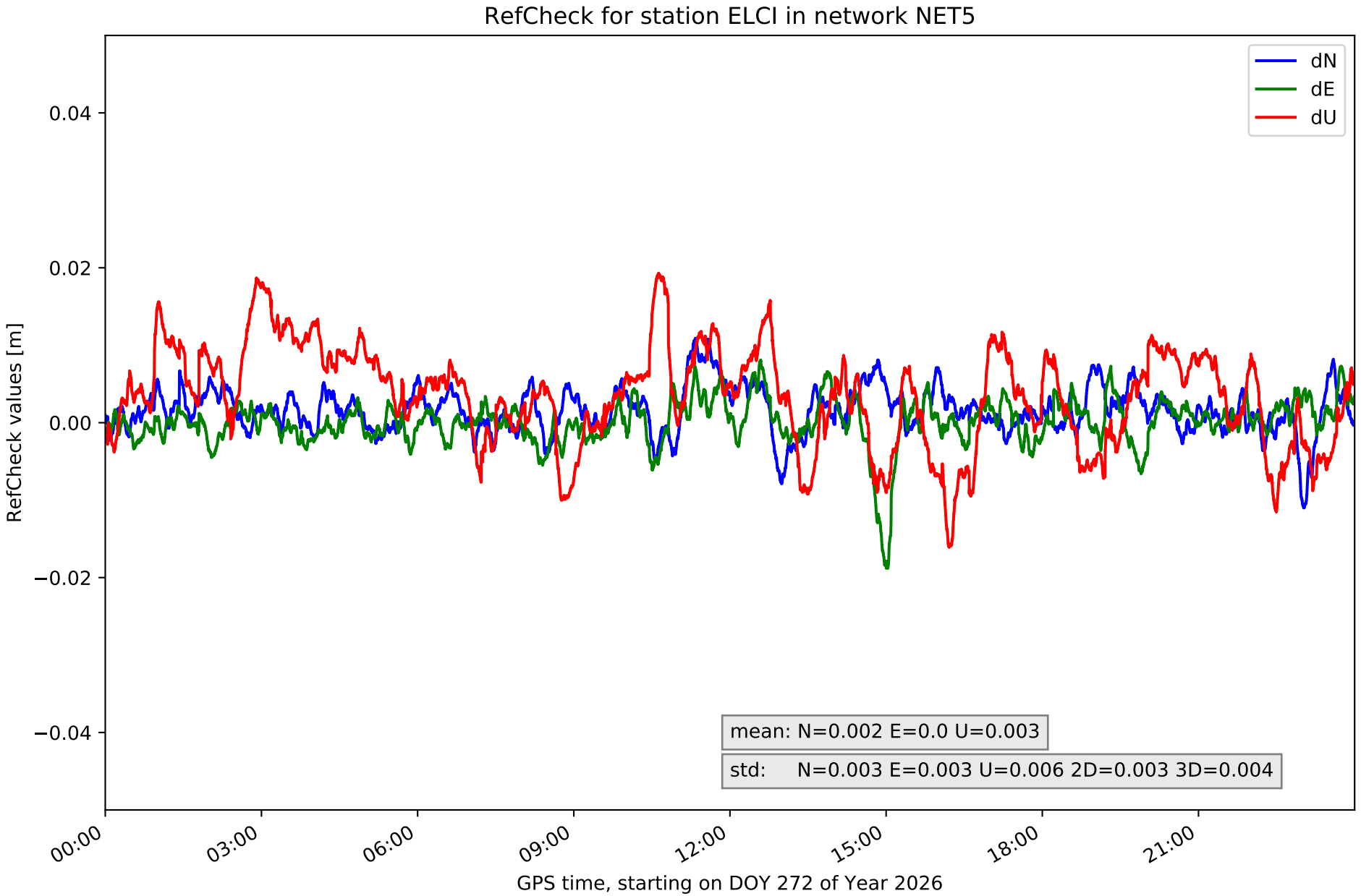

RefCheck for station BUOS in network NET5
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=-0.001 U=0.003
std: N=0.003 E=0.004 U=0.006 2D=0.003 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 272 of Year 2026

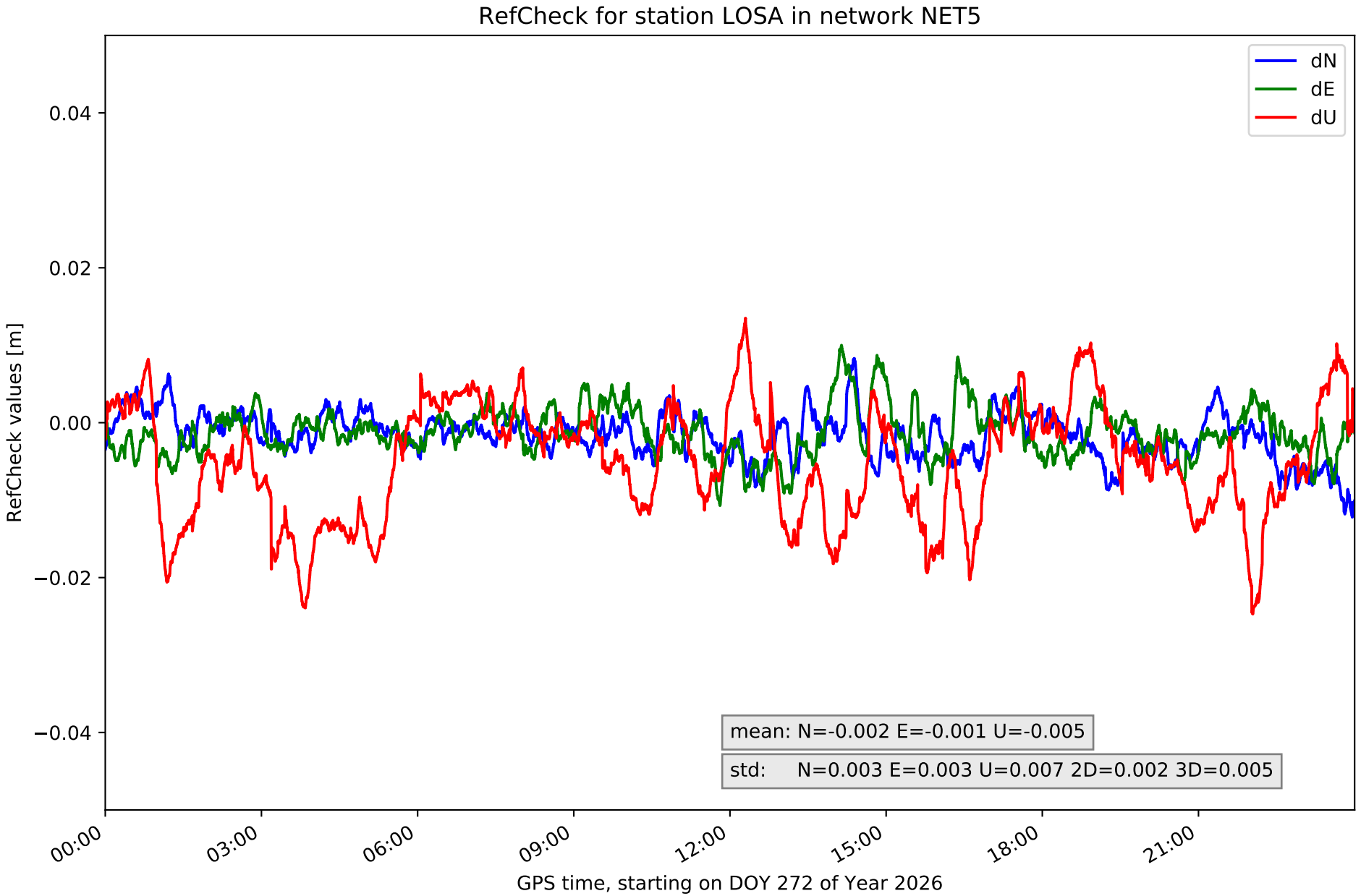

RefCheck for station BURG in network NET5
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.001 E=-0.0 U=-0.004
std: N=0.002 E=0.003 U=0.005 2D=0.002 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 272 of Year 2026

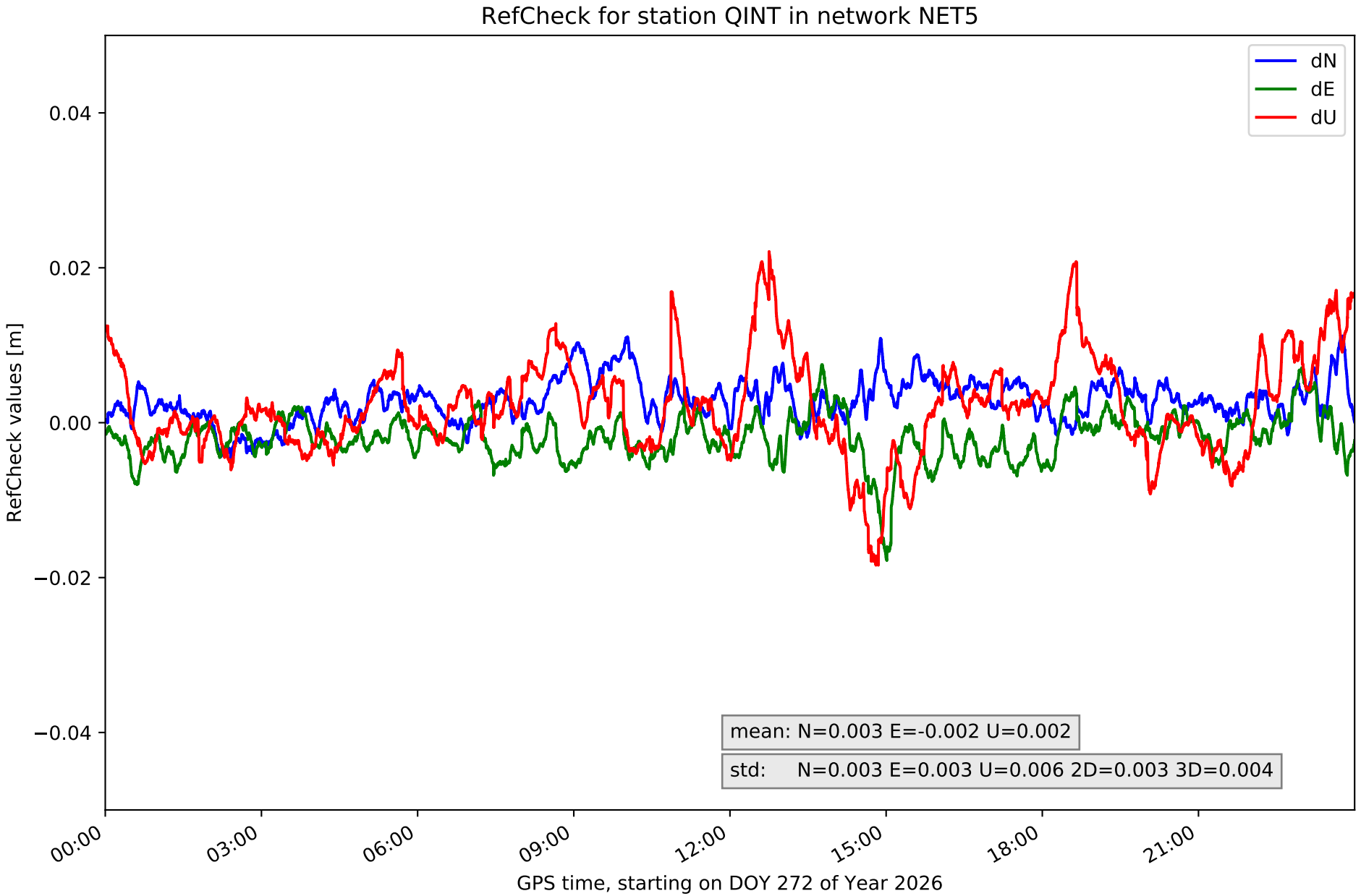

RefCheck for station CALH in network NET5
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=-0.001 U=-0.004
std: N=0.005 E=0.005 U=0.012 2D=0.004 3D=0.008
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 272 of Year 2026

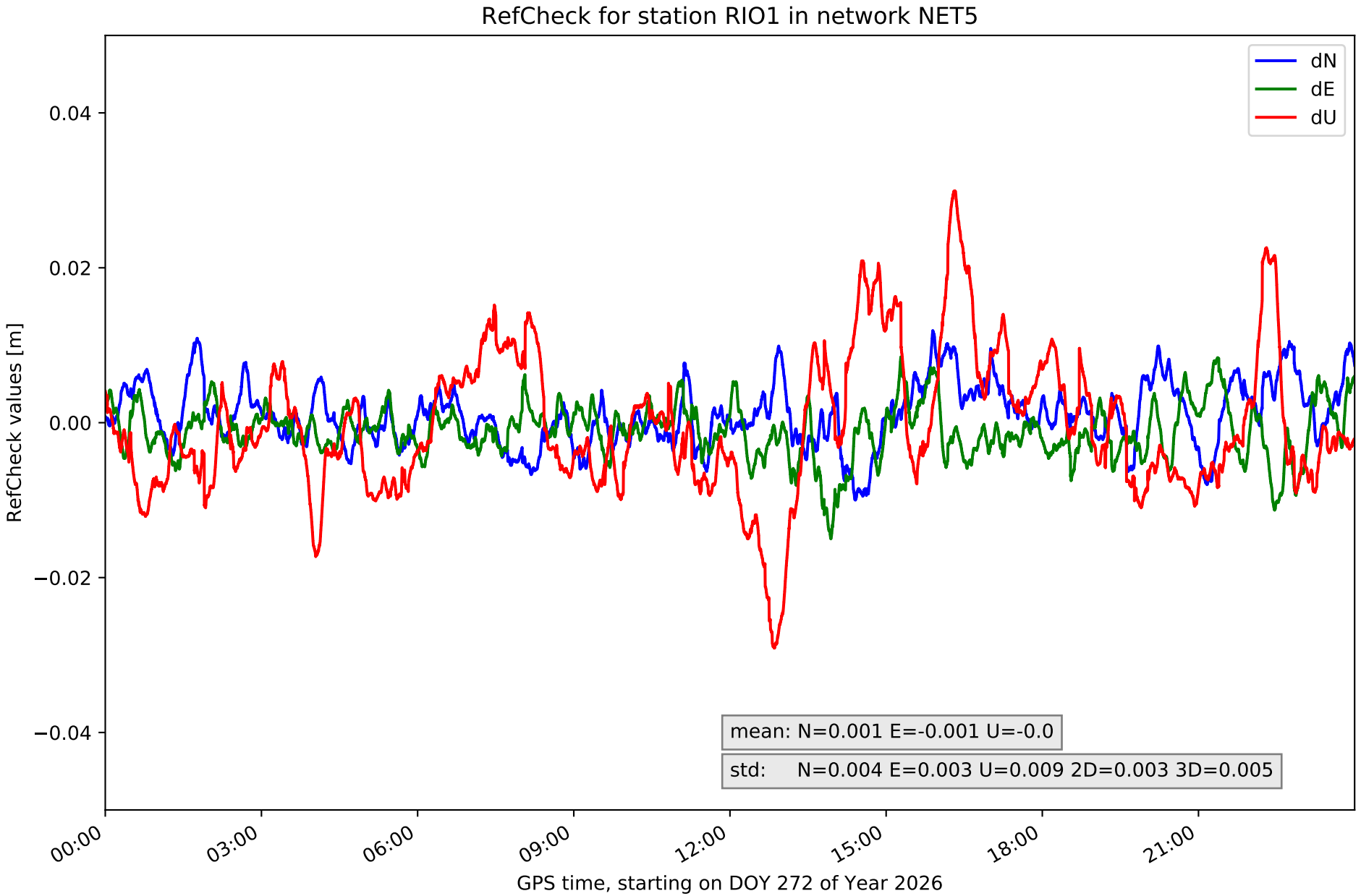

RefCheck for station CAS0 in network NET5
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=-0.002 U=-0.008
std: N=0.003 E=0.003 U=0.009 2D=0.002 3D=0.007
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 272 of Year 2026

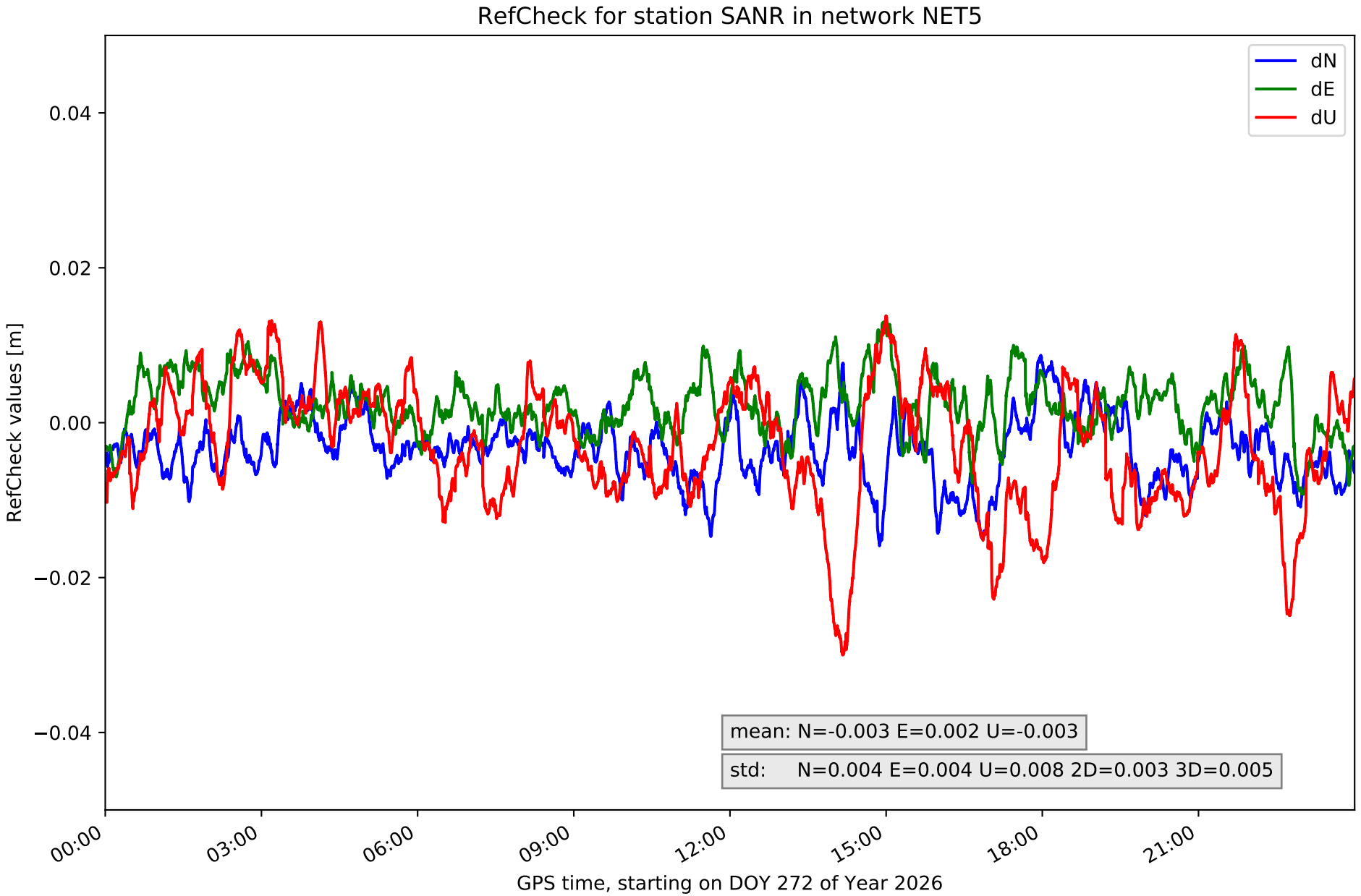

RefCheck for station CERV in network NET5
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.001 E=0.001 U=0.007
std: N=0.006 E=0.005 U=0.01 2D=0.005 3D=0.007
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 272 of Year 2026

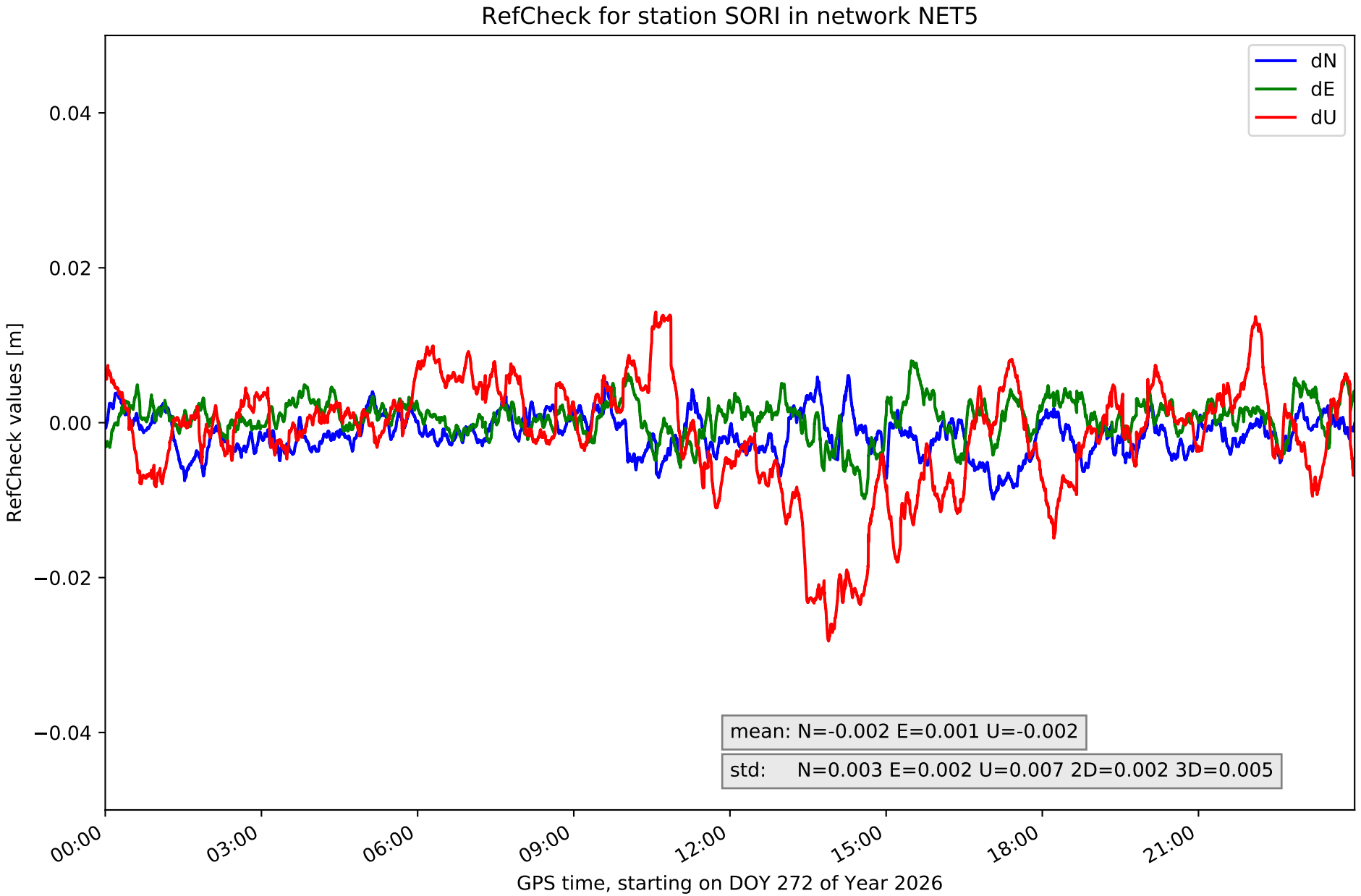

RefCheck for station ELCI in network NET5
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=0.0 U=0.003
std: N=0.003 E=0.003 U=0.006 2D=0.003 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 272 of Year 2026

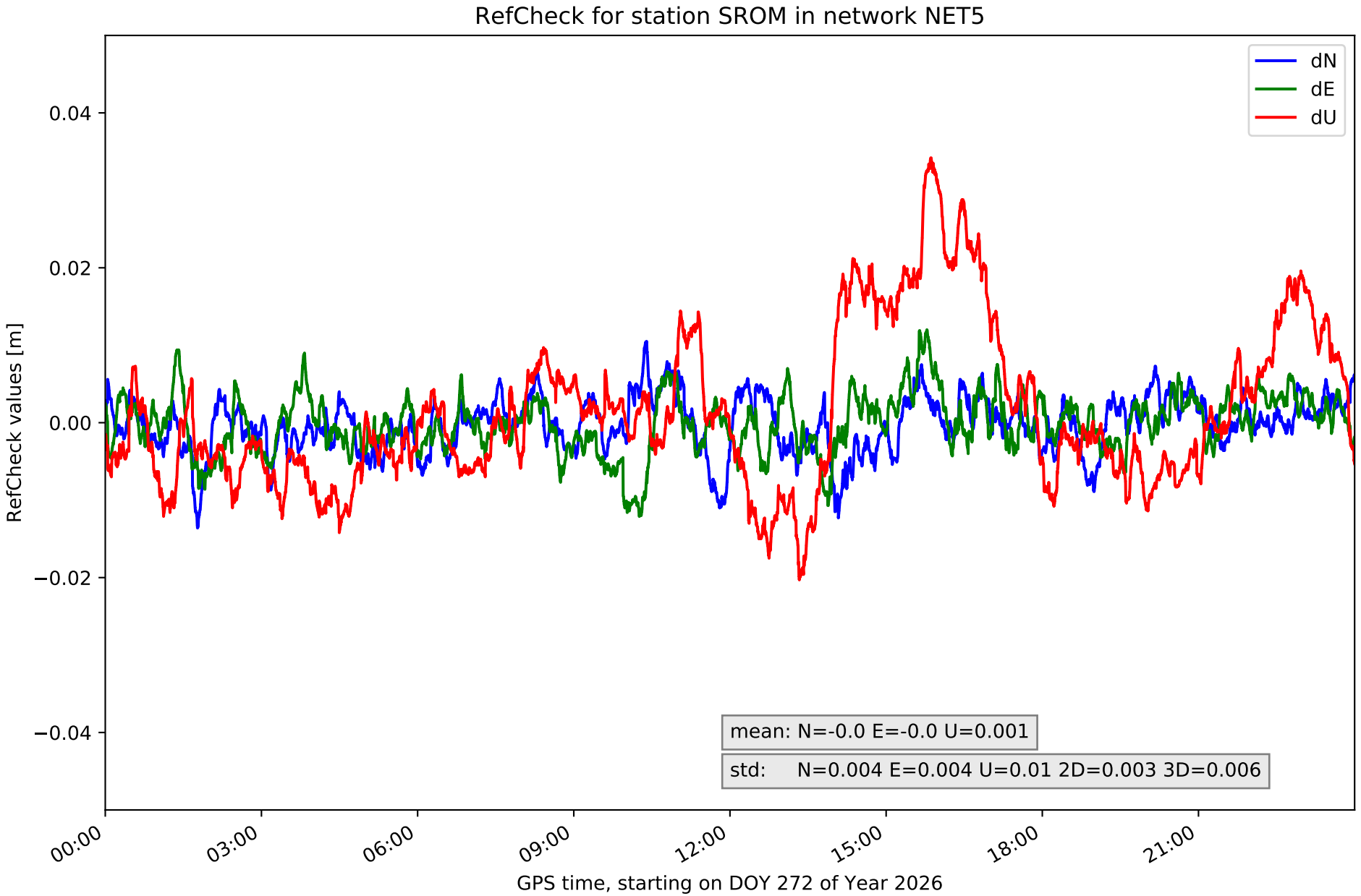

RefCheck for station LOSA in network NET5
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.002 E=-0.001 U=-0.005
std: N=0.003 E=0.003 U=0.007 2D=0.002 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 272 of Year 2026

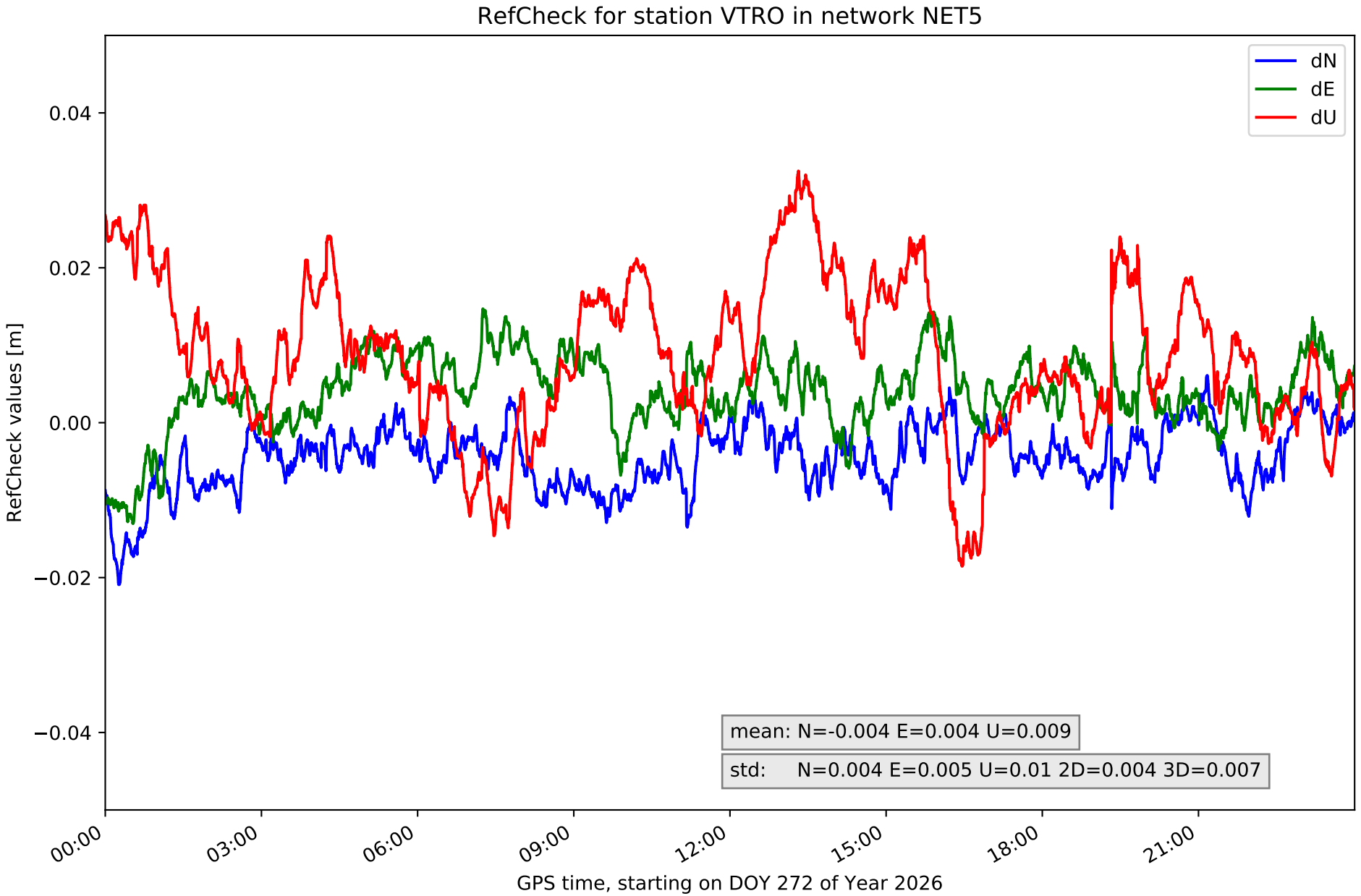

RefCheck for station QINT in network NET5
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.003 E=-0.002 U=0.002
std: N=0.003 E=0.003 U=0.006 2D=0.003 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 272 of Year 2026


RefCheck for station RIO1 in network NET5
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=0.004 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 272 of Year 2026


RefCheck for station SANR in network NET5
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=0.004 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 272 of Year 2026


RefCheck for station SORI in network NET5
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=0.003 E=0.002 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 272 of Year 2026


RefCheck for station SROM in network NET5
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.0 E=-0.0 U=0.001
std: N=0.004 E=0.004 U=0.01 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 272 of Year 2026


RefCheck for station VTRO in network NET5
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.004 E=0.004 U=0.009
std: N=0.004 E=0.005 U=0.01 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 272 of Year 2026

RefCheck values for network NET5

Station	Nmin	Nmax	Nstd	Emin	Emax	Estd	Umin	Umax	Ustd	std2D	std3D	#2D > 0.01	% 2D > 0.01	#3D > 0.02	% 3D > 0.02
ARDU	-0.004	0.012	0.003	-0.01	0.005	0.002	-0.019	0.014	0.006	0.002	0.003	2324	3.0	176	0.2
BUOS	-0.006	0.01	0.003	-0.011	0.01	0.004	-0.007	0.019	0.006	0.003	0.004	2236	2.9	0	0.0
BURG	-0.007	0.006	0.002	-0.013	0.008	0.003	-0.02	0.009	0.005	0.002	0.004	967	1.2	0	0.0
CALH	-0.013	**0.022**	0.005	-0.017	0.017	**0.005**	-0.04	0.029	**0.012**	0.004	**0.008**	9834	12.6	12105	15.4
CAS0	-0.009	0.009	0.003	-0.012	0.011	0.003	**-0.041**	0.017	0.009	0.002	0.007	1267	1.6	8484	10.8
CERV	-0.016	0.019	**0.006**	-0.01	**0.018**	**0.005**	-0.014	**0.038**	0.01	**0.005**	0.007	14019	17.9	11328	14.5
ELCI	-0.011	0.011	0.003	**-0.019**	0.008	0.003	-0.016	0.019	0.006	0.003	0.004	1895	2.4	364	0.5
LOSA	-0.012	0.008	0.003	-0.011	0.01	0.003	-0.025	0.013	0.007	0.002	0.005	1959	2.5	1743	2.2
QINT	-0.004	0.011	0.003	-0.018	0.007	0.003	-0.018	0.022	0.006	0.003	0.004	2494	3.2	1492	1.9
RIO1	-0.01	0.012	0.004	-0.015	0.009	0.003	-0.029	0.03	0.009	0.003	0.005	4209	5.4	4381	5.6
SANR	-0.016	0.009	0.004	-0.009	0.013	0.004	-0.03	0.014	0.008	0.003	0.005	9566	12.2	4050	5.2
SORI	-0.01	0.006	0.003	-0.01	0.008	0.002	-0.028	0.014	0.007	0.002	0.005	127	0.2	3819	4.9
SROM	-0.014	0.011	0.004	-0.012	0.012	0.004	-0.02	0.034	0.01	0.003	0.006	3770	4.8	5272	6.7
VTRO	**-0.021**	0.006	0.004	-0.013	0.015	**0.005**	-0.018	0.033	0.01	0.004	0.007	**20468**	**26.1**	**15251**	**19.5**
Mean	**-0.011**	**0.011**	**0.004**	**-0.013**	**0.011**	**0.004**	**-0.023**	**0.022**	**0.008**	**0.003**	**0.005**	**5366.8**	**6.9**	**4890.4**	**6.2**
Min/Max	**-0.021**	**0.022**	**0.006**	**-0.019**	**0.018**	**0.005**	**-0.041**	**0.038**	**0.012**	**0.005**	**0.008**	**20468**	**26.1**	**15251**	**19.5**

fixing statistic for network NET5

fixing percentage of	all GNSS	G	R	E	C
using threshold 0.3	93.2	94.8	91.9	95.4	89.9
considering satellites with dual-frequency fixed	89.4	89.5	88.3	92.5	86.0
considering all signals separately	89.5	89.4	88.3	92.7	84.7