summary for network NT13

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

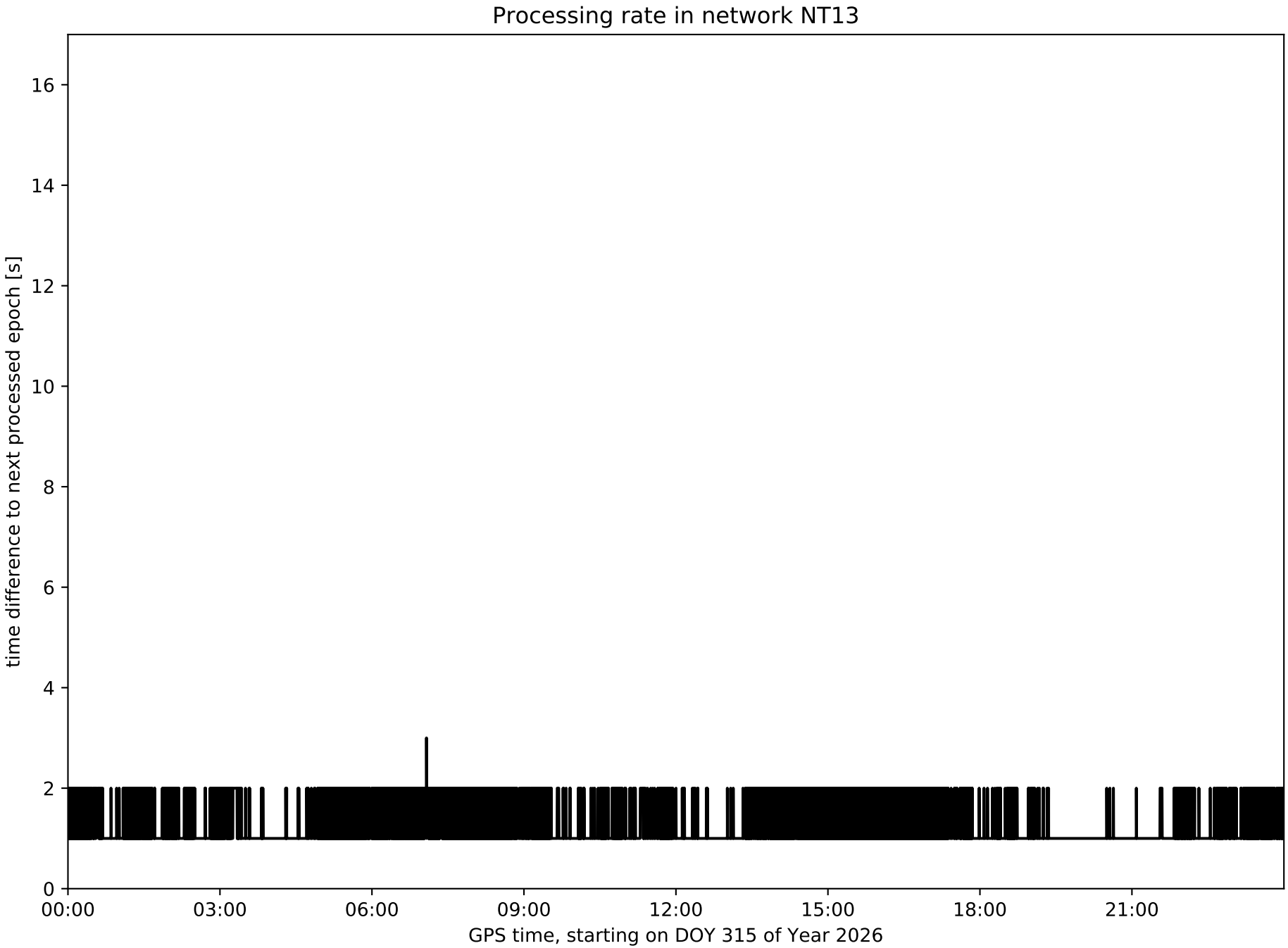
average update rate (durations larger than 15 seconds considered as observation gap): 1.1 seconds

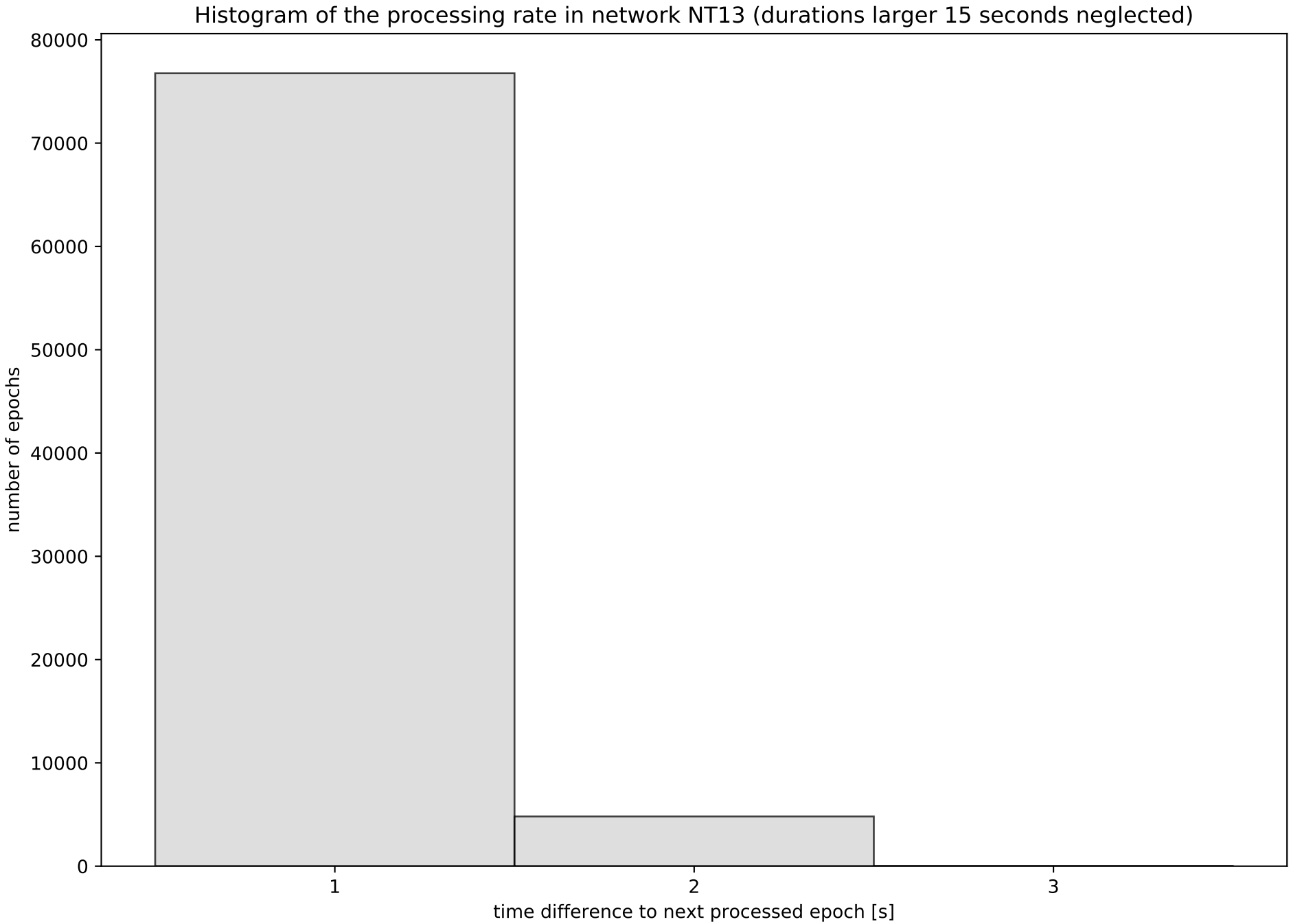
average fixing percentage with threshold set to 0.3: 90.3 percent

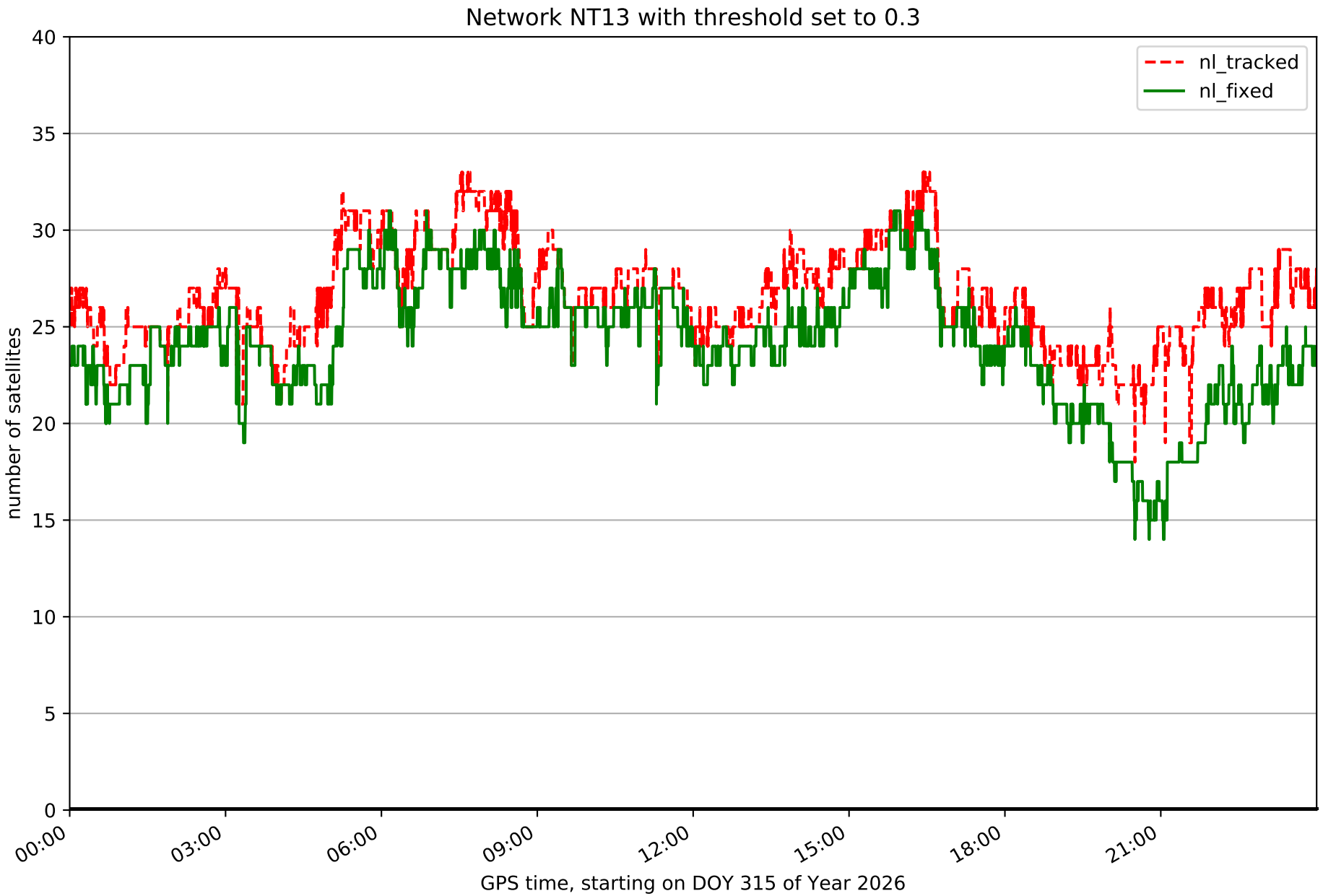
stations available: 17 of 17

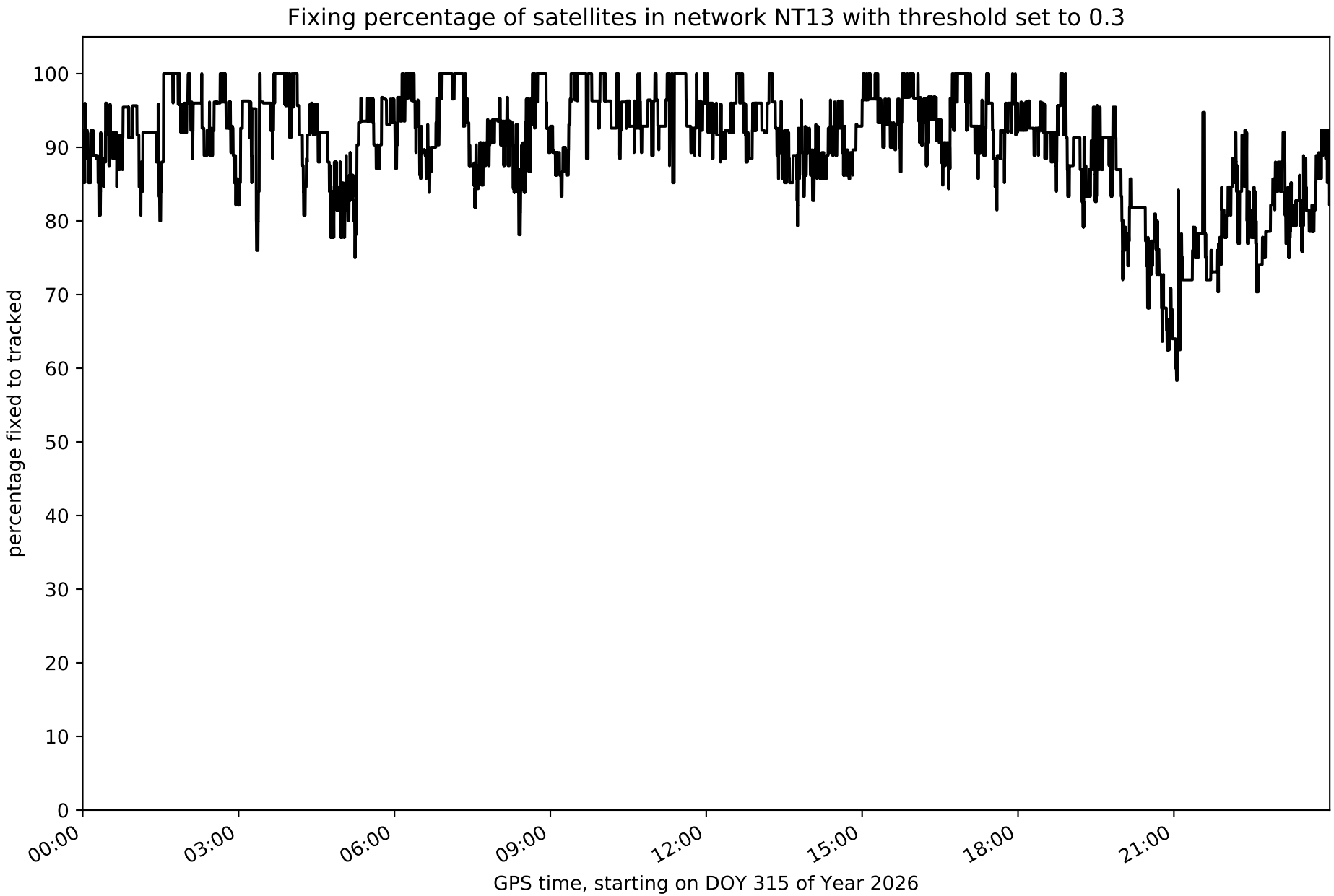
station information:

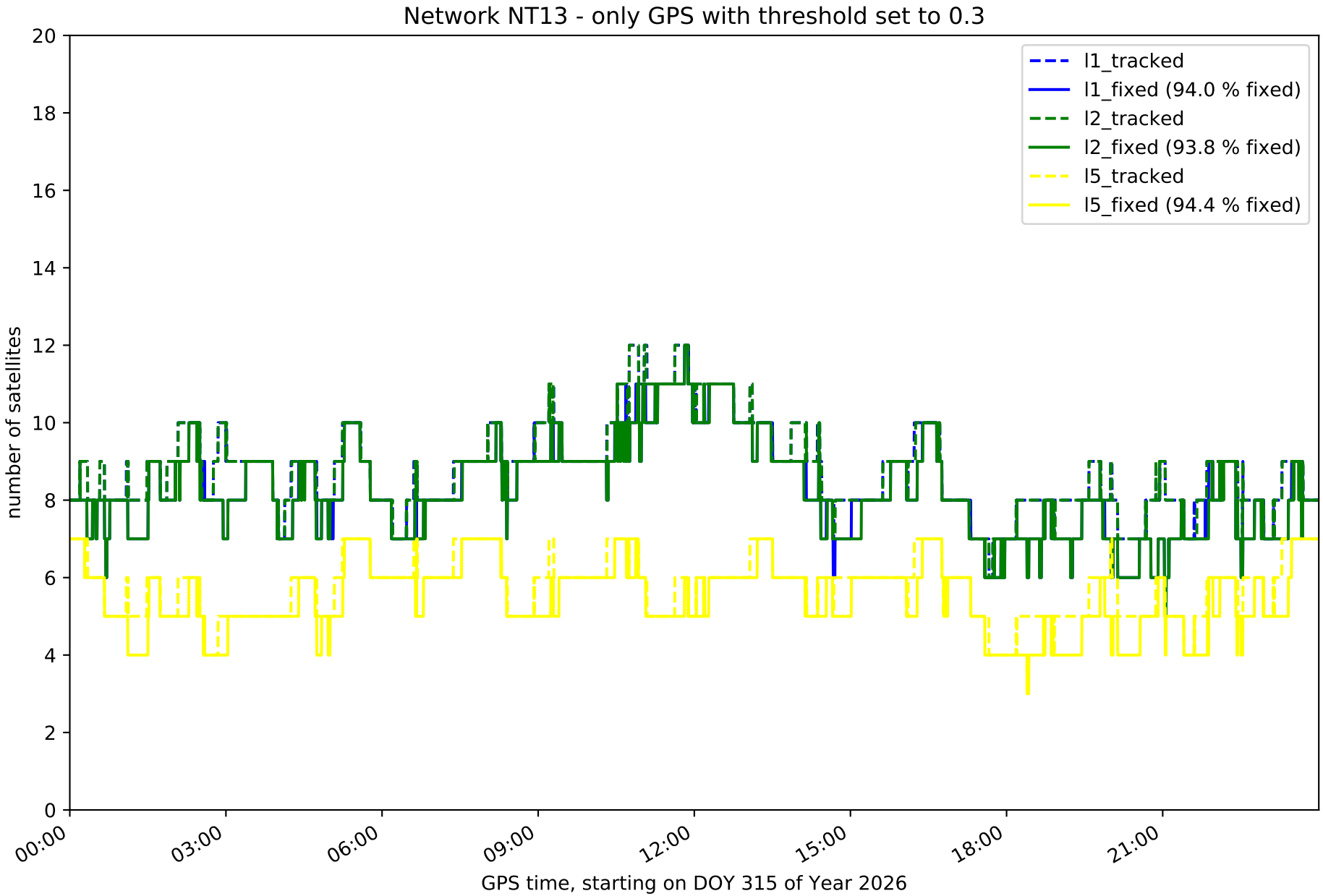
station ALGC:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 117.174
station AND2:	antenna: LEIAR20 LEIM	receiver: LEICA GR50	height: 284.271
station ARAC:	antenna: LEIAR20 LEIM	receiver: LEICA GR25	height: 725.109
station CABR:	antenna: LEIAT504_____LEIS	receiver: LEICA GR25	height: 572.14
station CAZA:	antenna: LEIAR20 LEIM	receiver: LEICA GR25	height: 663.118
station CEU1:	antenna: TRM59900.00 SCIS	receiver: TRIMBLE NETR9	height: 52.522
station CRDB:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 196.085
station HUEL:	antenna: LEIAR20 LEIM	receiver: LEICA GR50	height: 81.911
station LEBR:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 77.6
station MALA:	antenna: LEIAR25.R4 LEIT	receiver: LEICA GR25	height: 122.872
station MOFR:	antenna: TRM57971.00 TZGD	receiver: TRIMBLE NETR9	height: 276.416
station MOTR:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 166.935
station OSUN:	antenna: GPPNULLANTENNA NONE	receiver: TRIMBLE NETR9	height: 363.146
station RON1:	antenna: GPPNULLANTENNA NONE	receiver: TRIMBLE NETR9	height: 820.775
station SEV1:	antenna: TRM59900.00 SCIS	receiver: TRIMBLE NETR9	height: 69.741
station TAR0:	antenna: LEIAR20 LEIM	receiver: LEICA GR25	height: 50.072
station UCA1:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 67.722

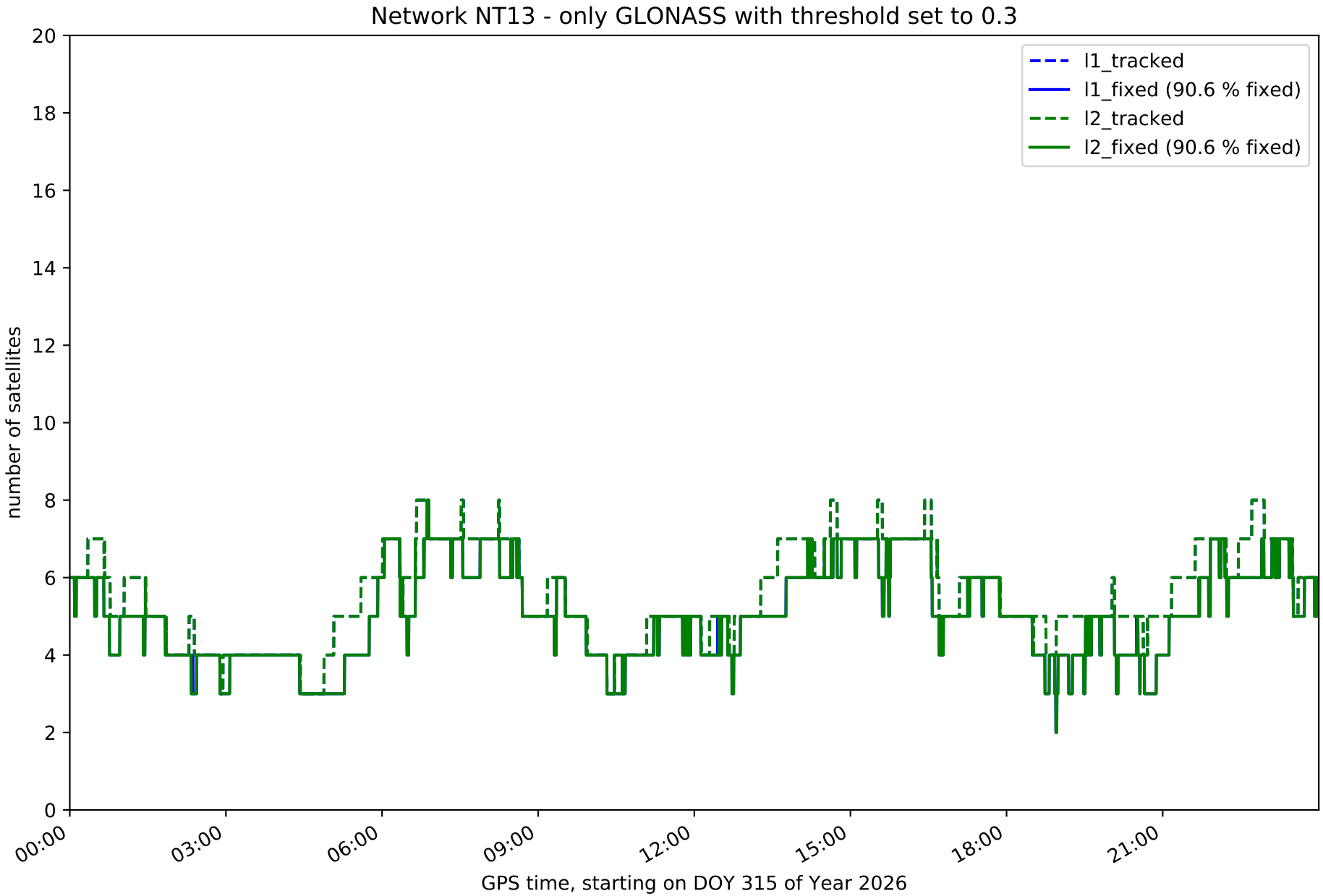

Processing rate in network NT13
time difference to next processed epoch [s]
0
2
4
6
8
10
12
14
16
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 315 of Year 2026

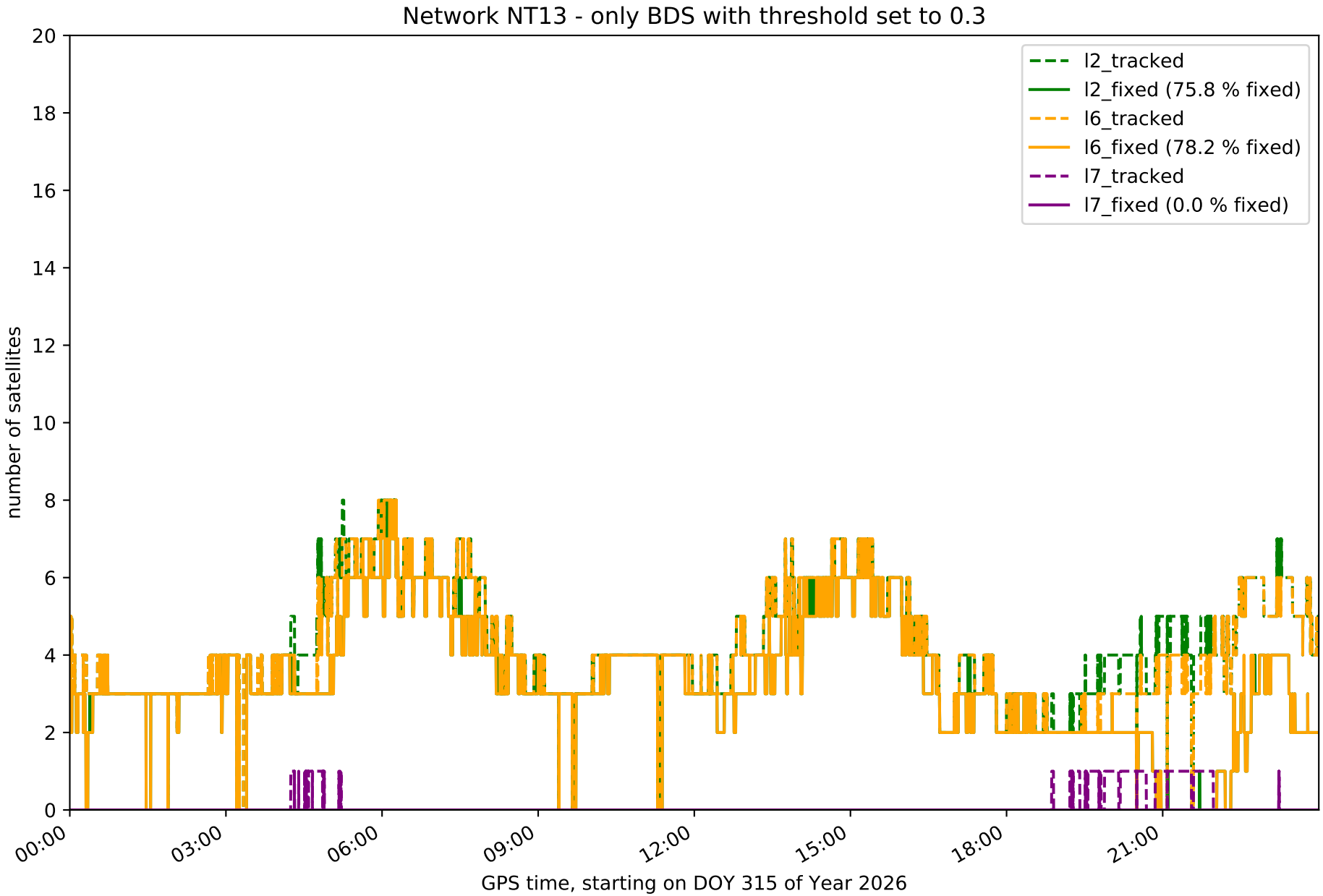

Histogram of the processing rate in network NT13 (durations larger 15 seconds neglected)
80000
70000
60000
50000
40000
30000
20000
10000
0
number of epochs
1
2
3
time difference to next processed epoch [s]

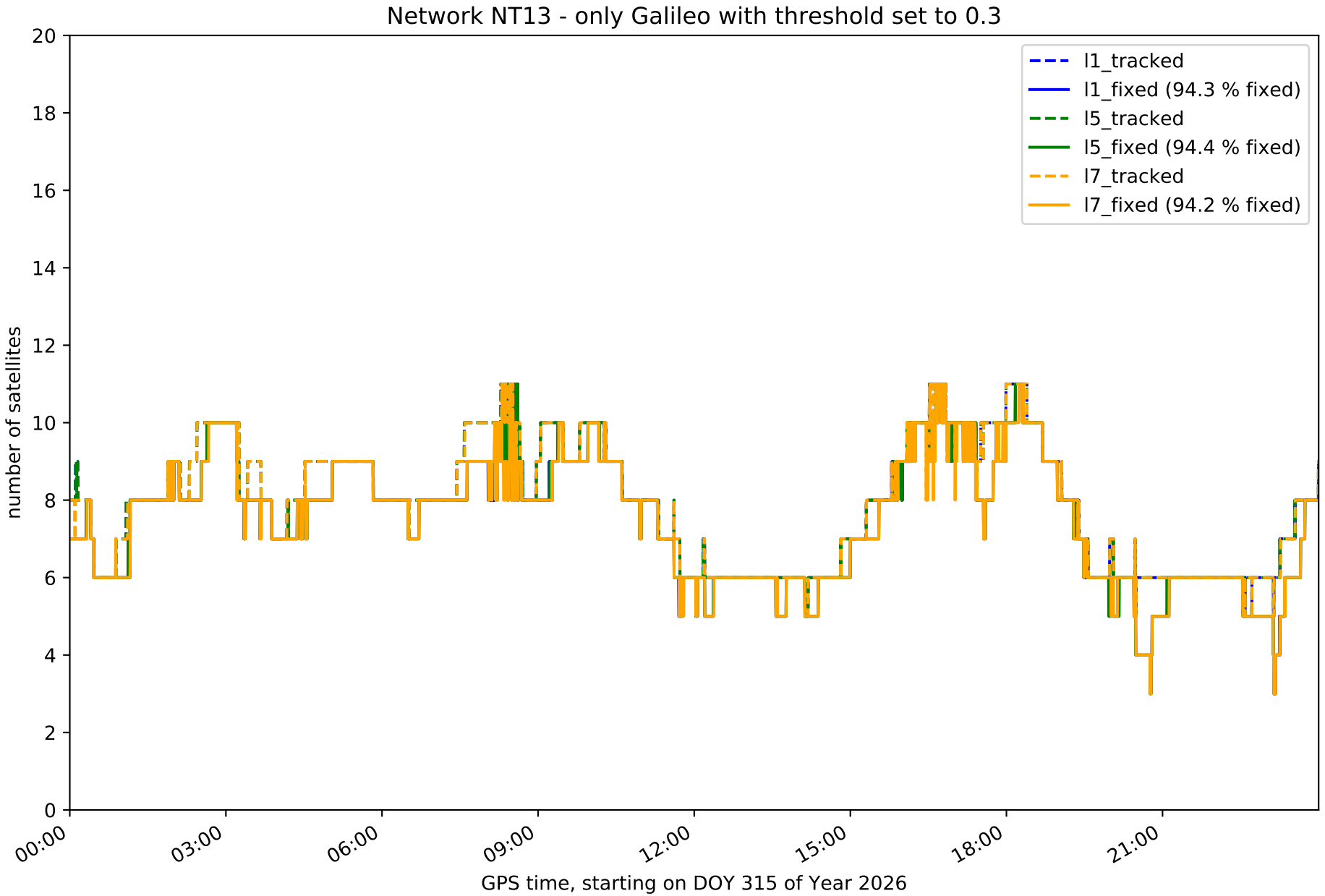

Network NT13 with threshold set to 0.3
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
40
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 315 of Year 2026

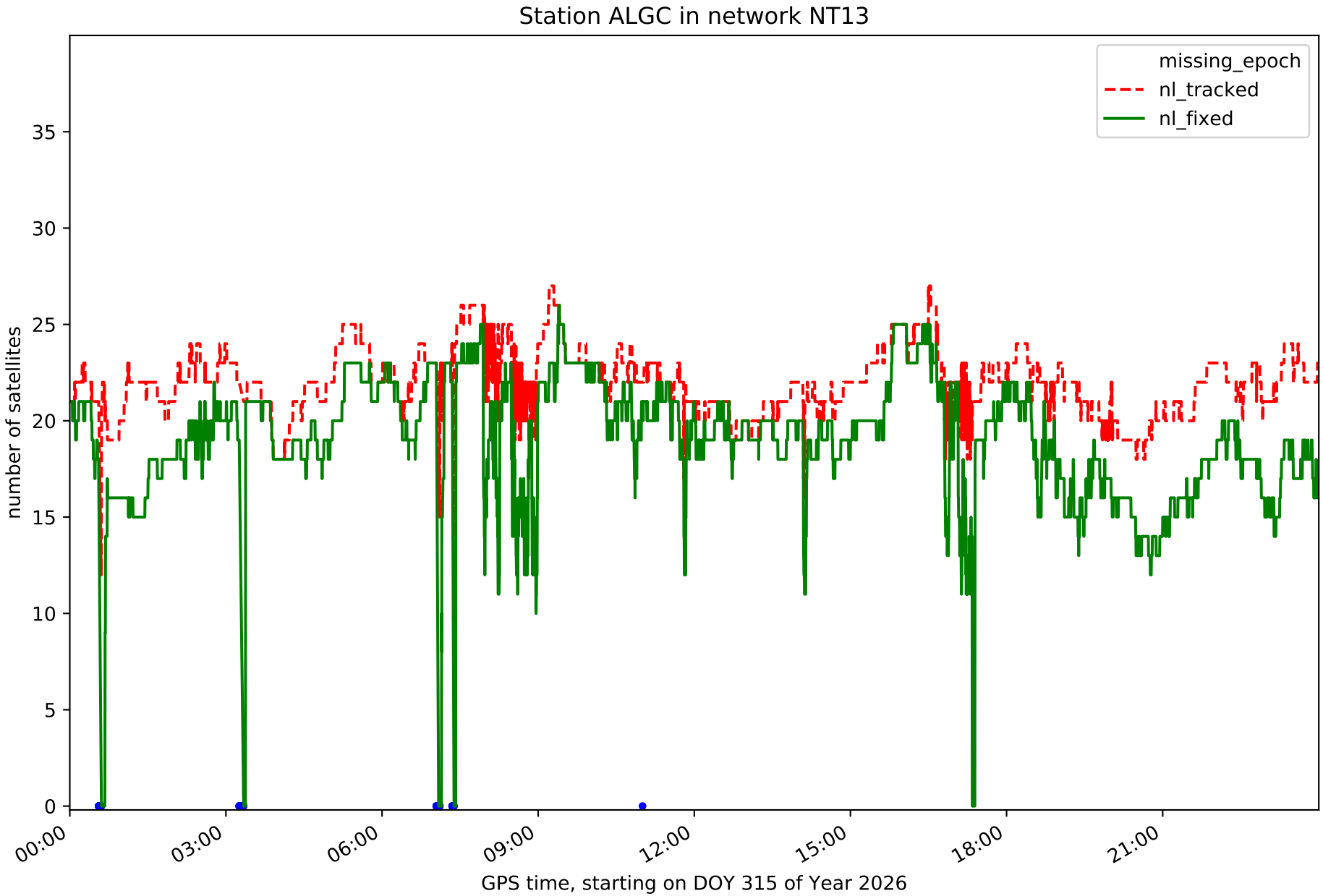

Fixing percentage of satellites in network NT13 with threshold set to 0.3
percentage fixed to tracked
100
90
80
70
60
50
40
30
20
10
0
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 315 of Year 2026

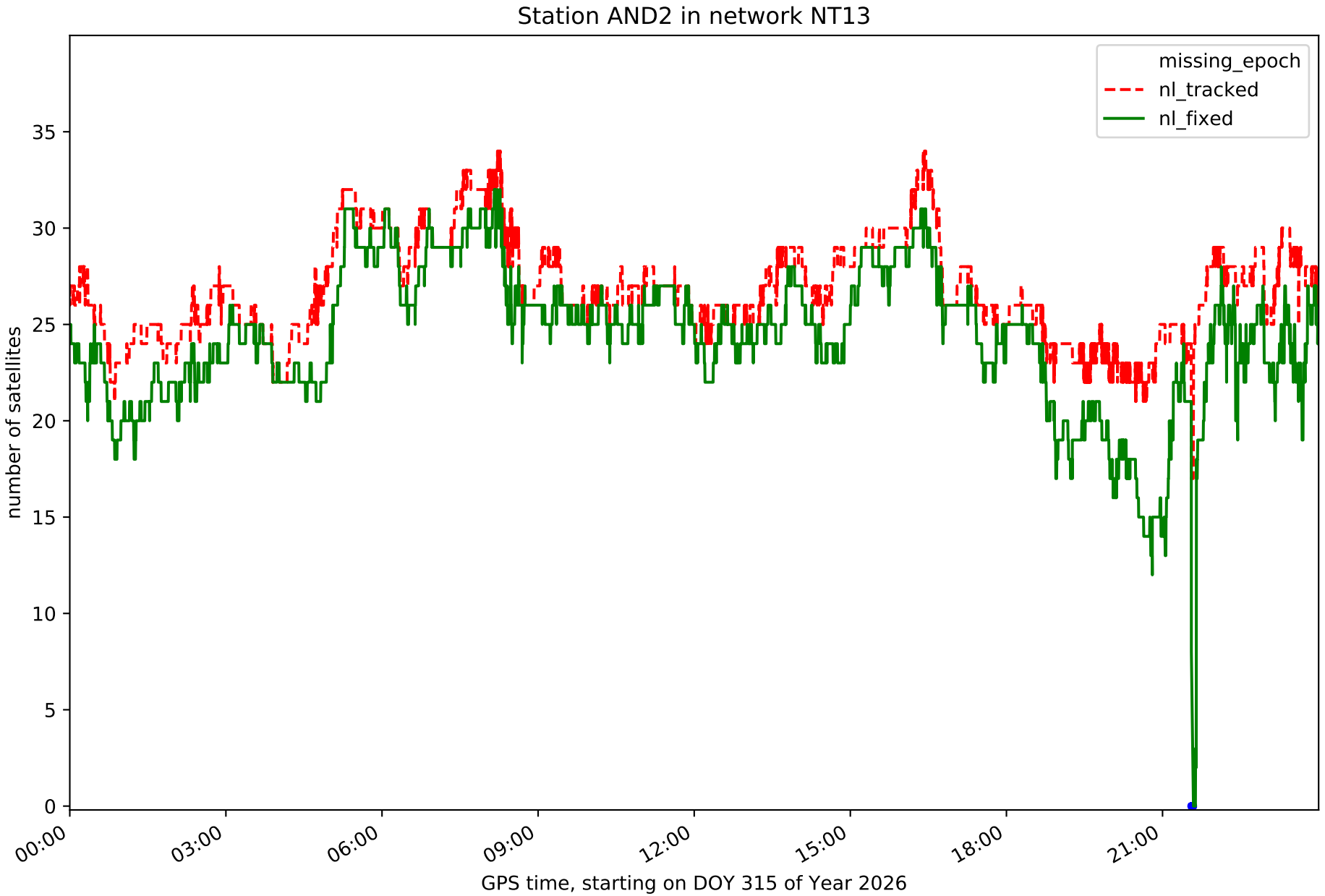

Network NT13 - only GPS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 315 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
l1_tracked
l1_fixed (94.0 % fixed)
l2_tracked
l2_fixed (93.8 % fixed)
l5_tracked
l5_fixed (94.4 % fixed)

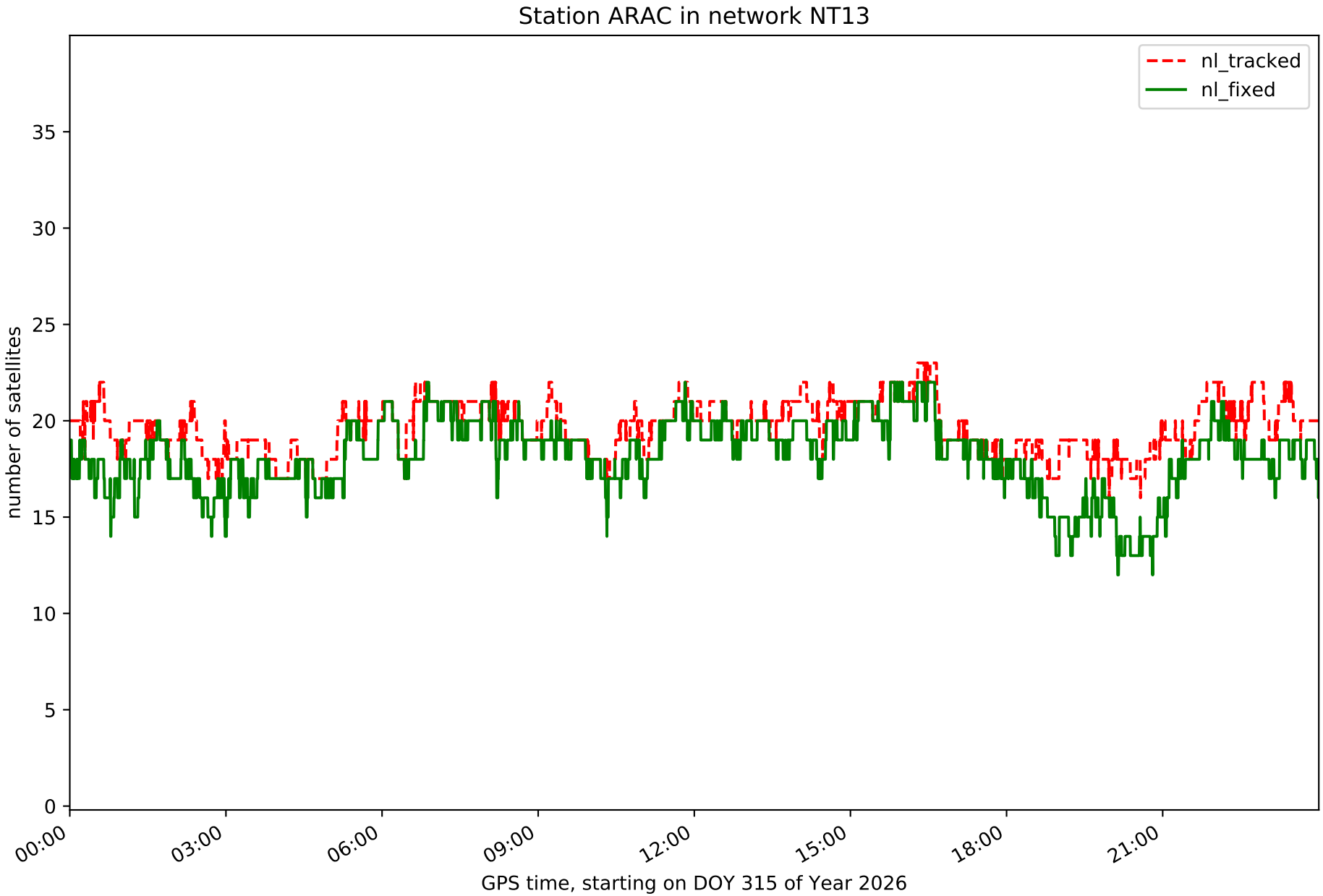

Network NT13 - only GLONASS with threshold set to 0.3
l1_tracked
l1_fixed (90.6 % fixed)
l2_tracked
l2_fixed (90.6 % fixed)
number of satellites
0
2
4
6
8
10
12
14
16
18
20
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 315 of Year 2026

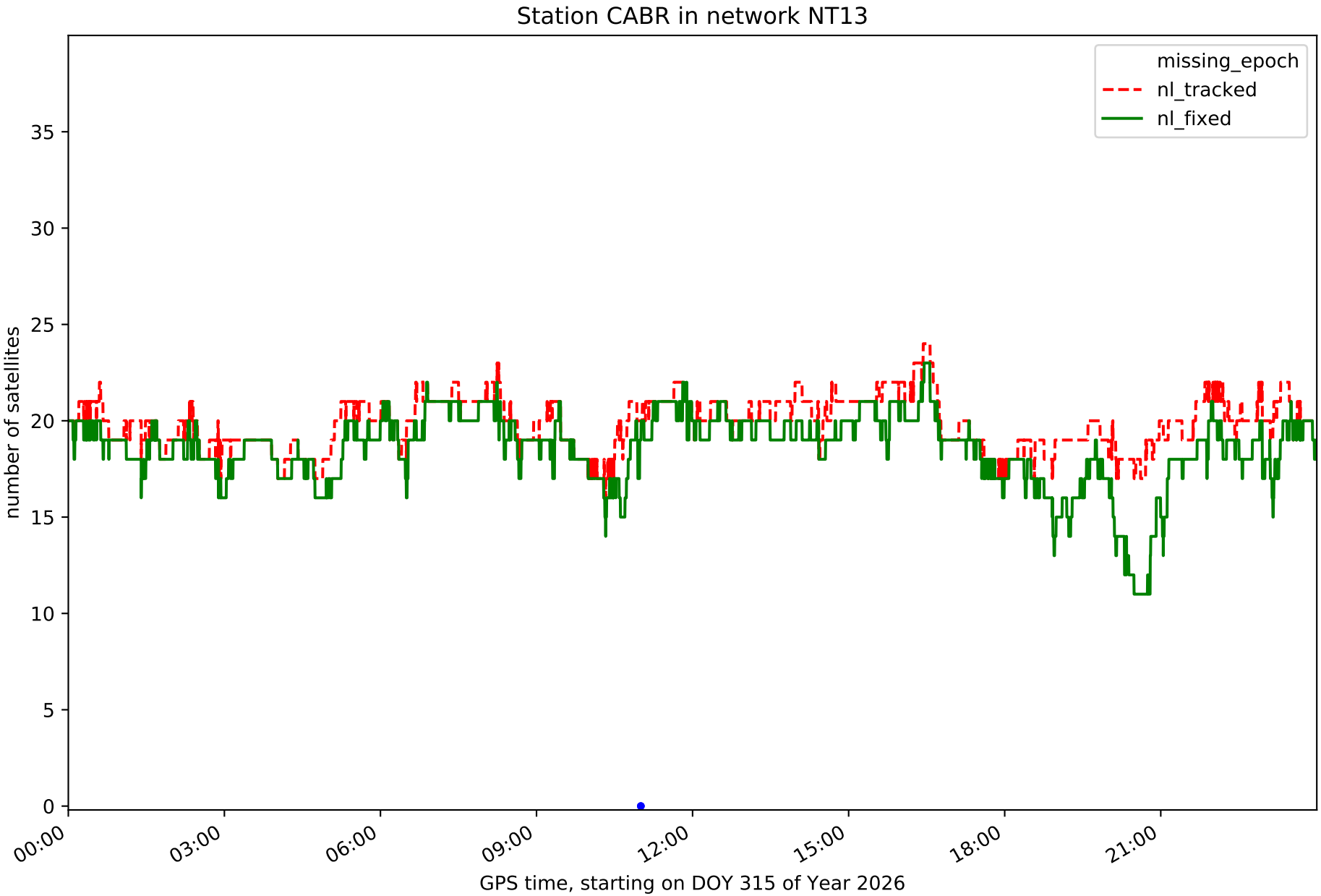

Network NT13 - only BDS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 315 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
I2_tracked
I2_fixed (75.8 % fixed)
I6_tracked
I6_fixed (78.2 % fixed)
I7_tracked
I7_fixed (0.0 % fixed)

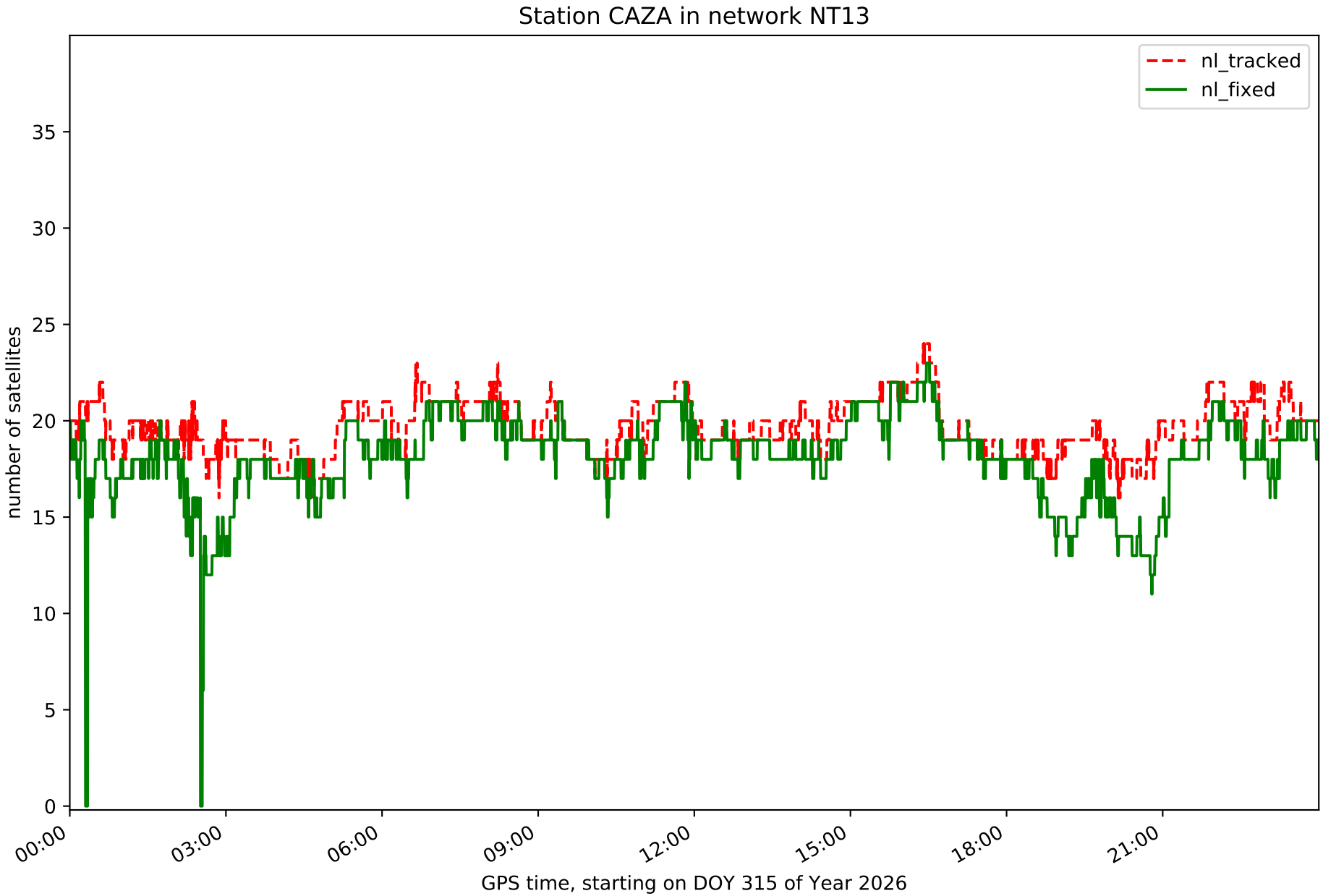

Network NT13 - only Galileo with threshold set to 0.3
number of satellites
GPS time, starting on DOY 315 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
l1_tracked
l1_fixed (94.3 % fixed)
l5_tracked
l5_fixed (94.4 % fixed)
l7_tracked
l7_fixed (94.2 % fixed)

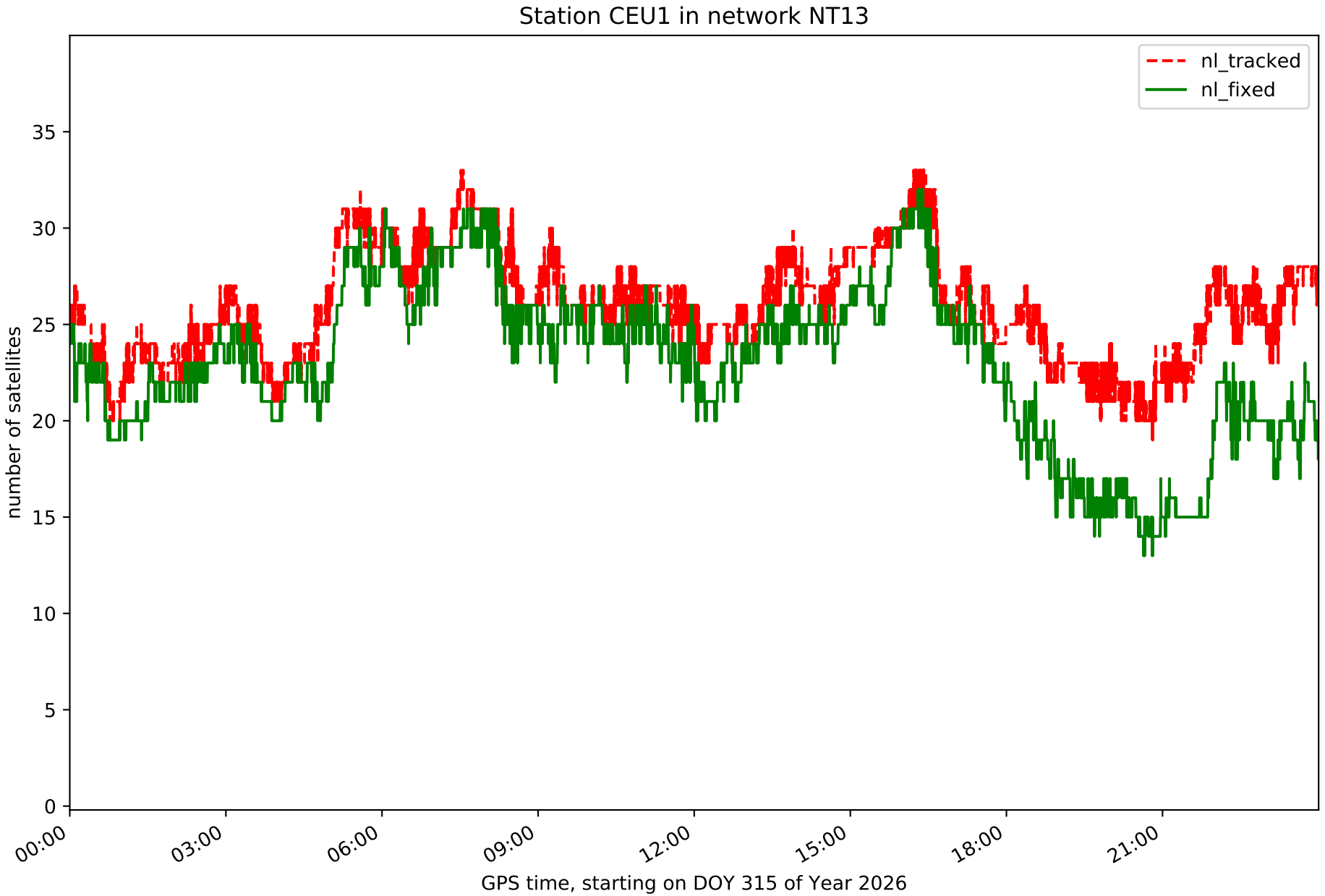

Station ALGC in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 315 of Year 2026

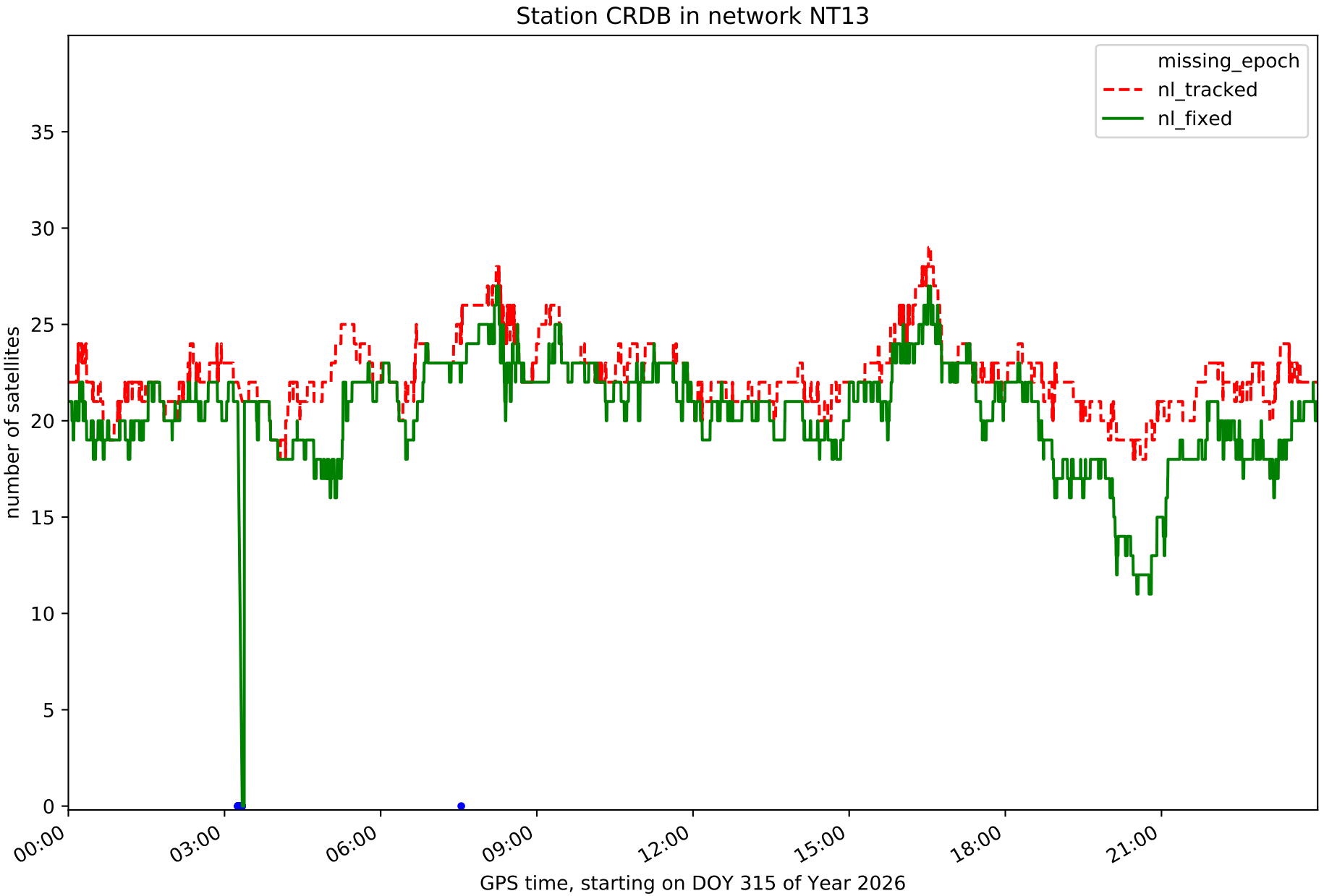

Station AND2 in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 315 of Year 2026

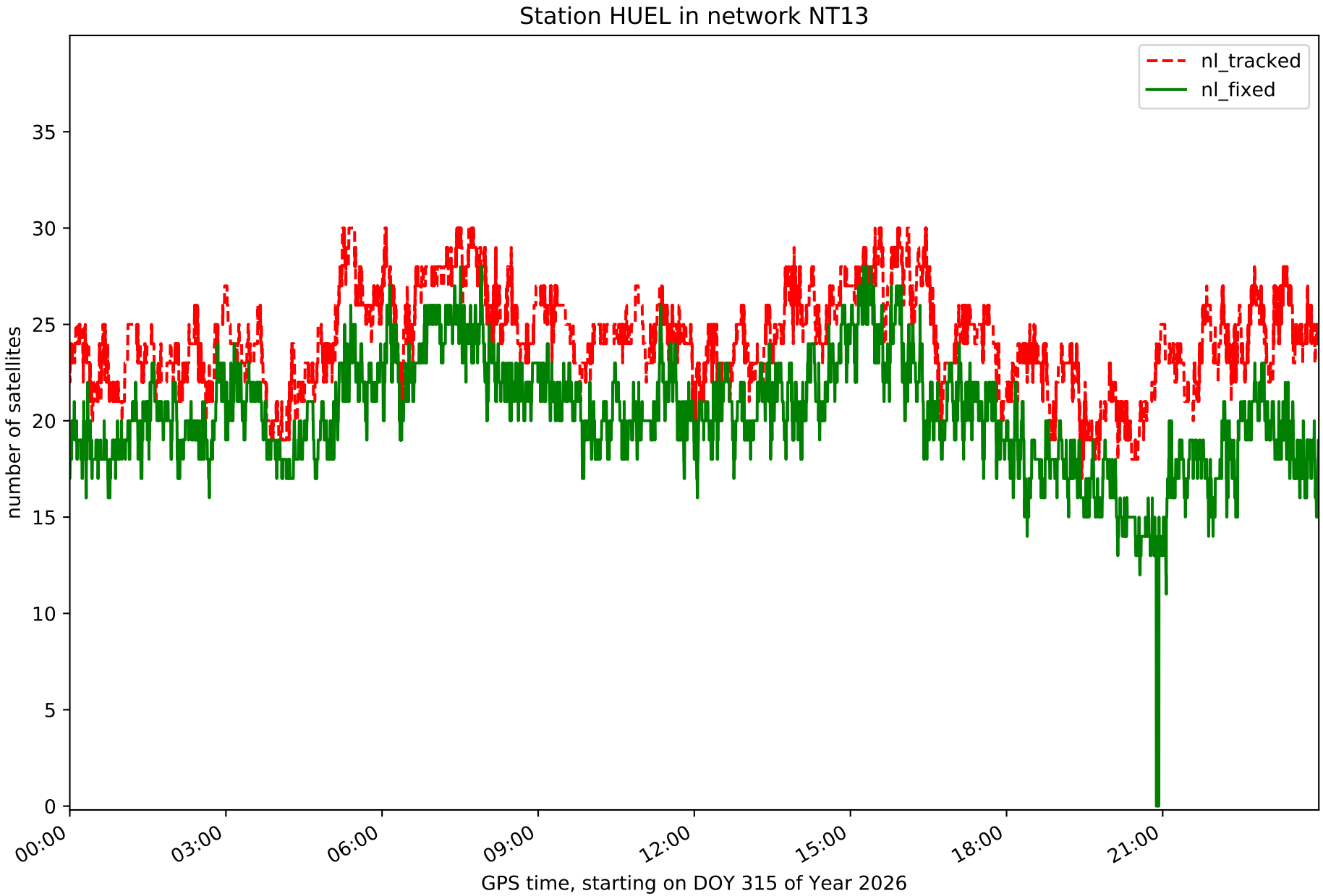

Station ARAC in network NT13
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 315 of Year 2026

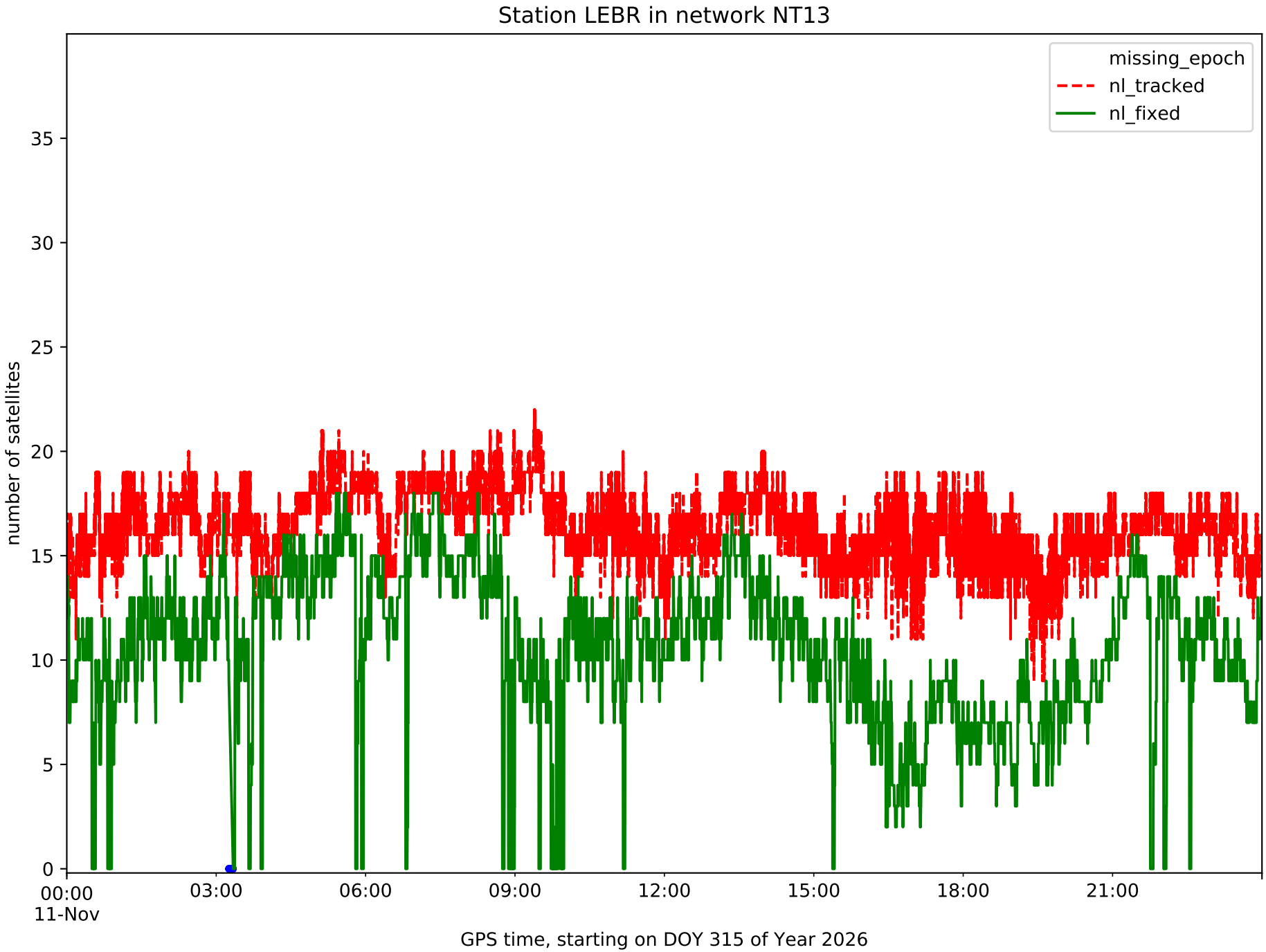

Station CABR in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 315 of Year 2026

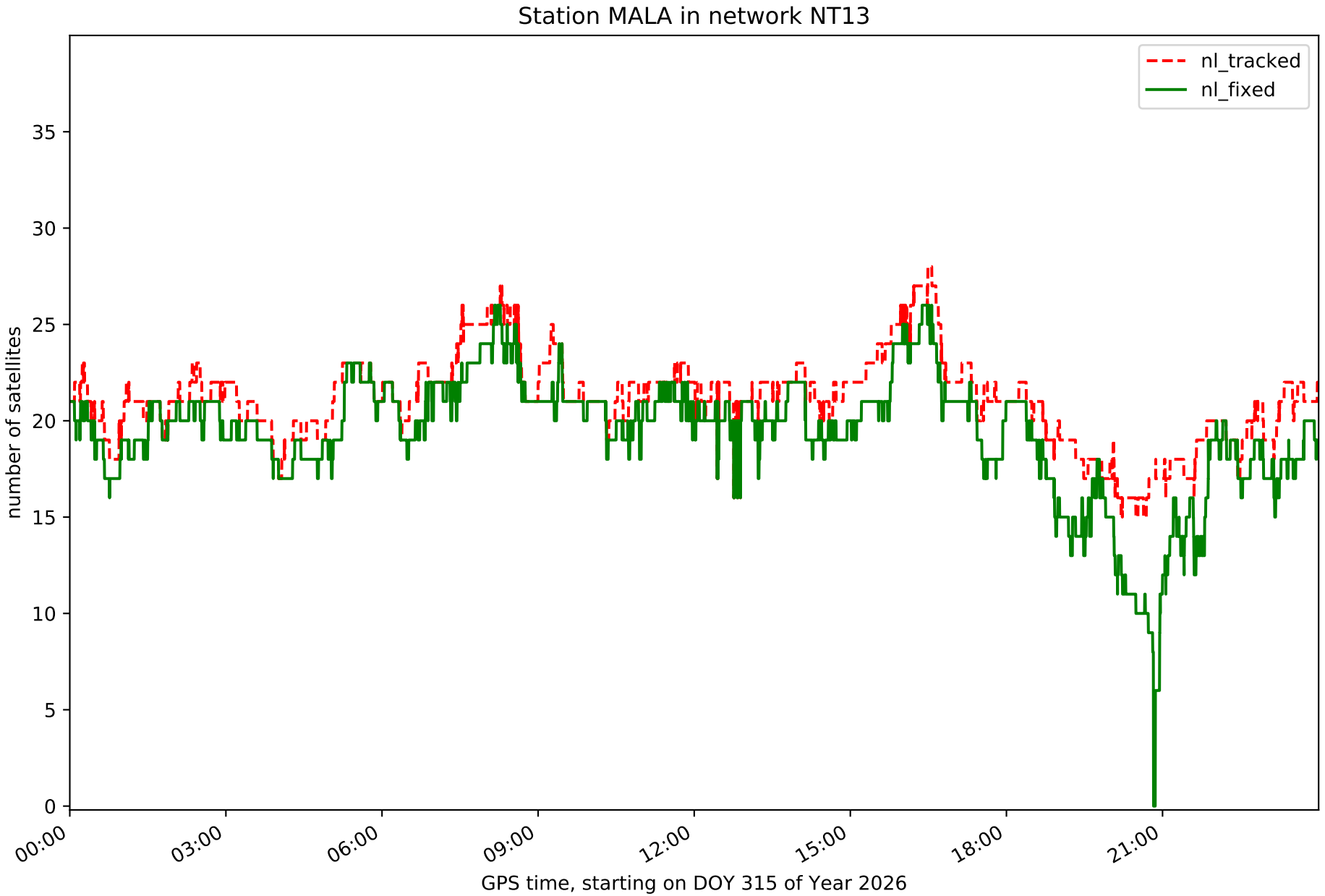

Station CAZA in network NT13
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 315 of Year 2026

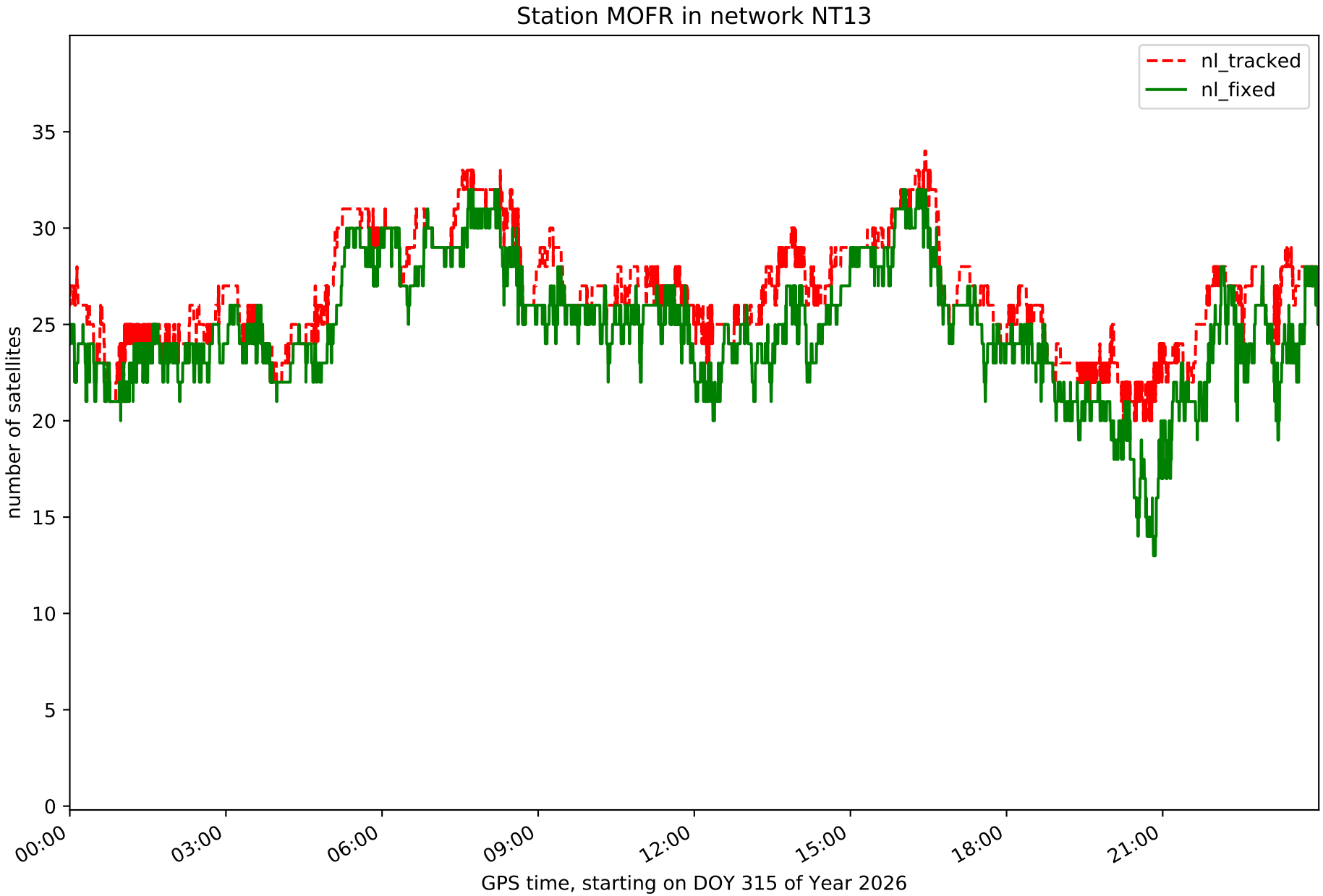

Station CEU1 in network NT13
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 315 of Year 2026

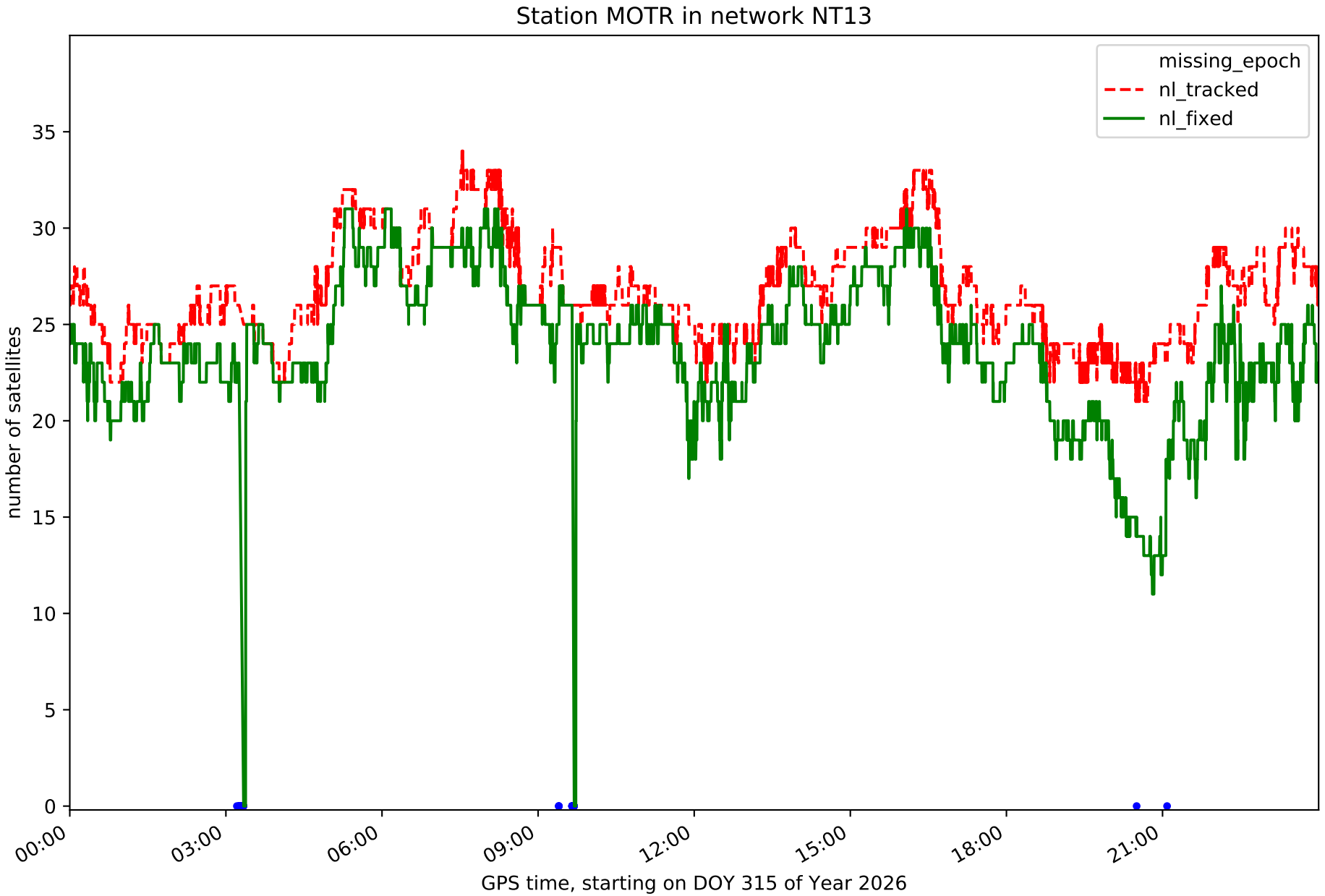

Station CRDB in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 315 of Year 2026

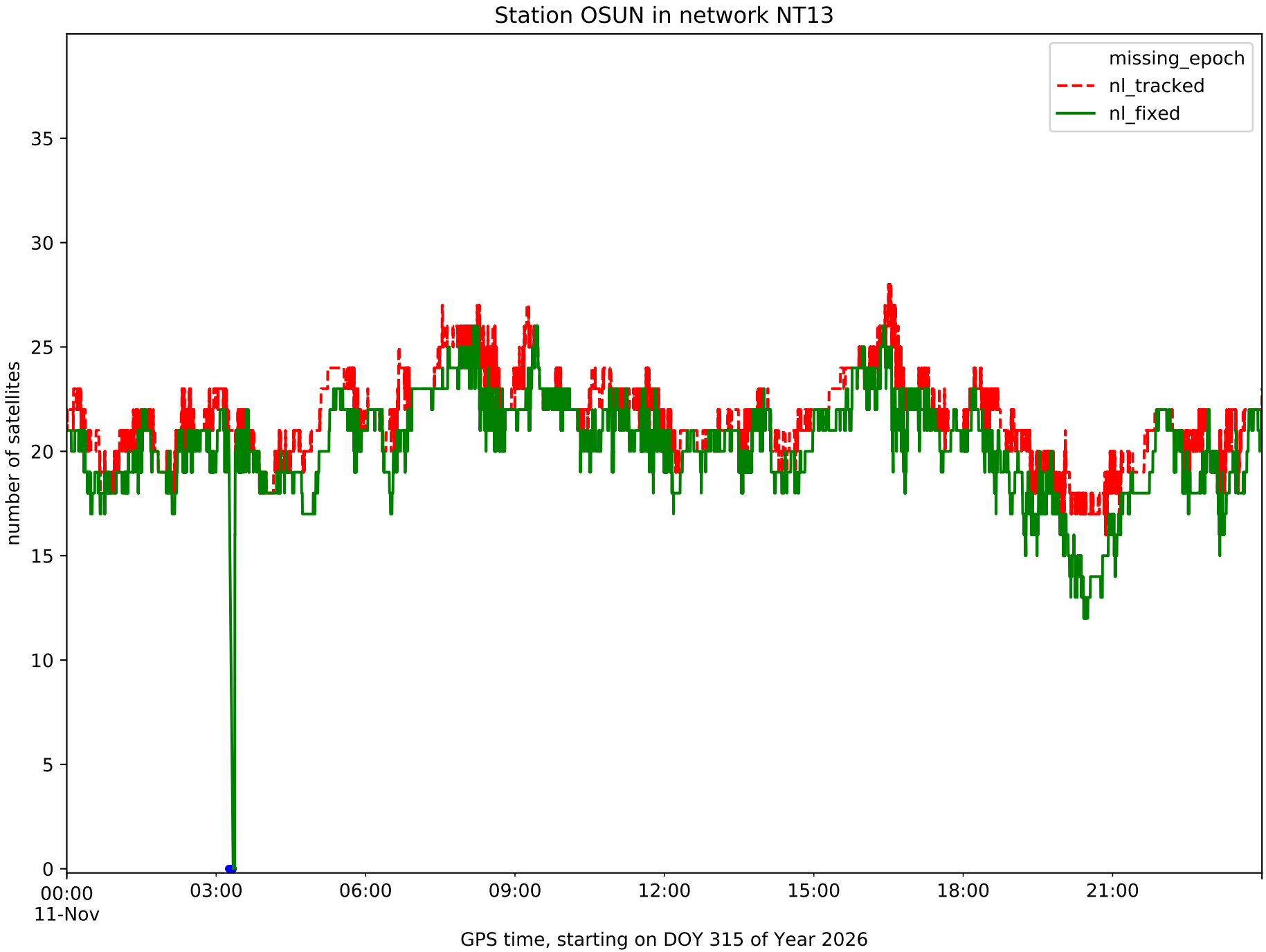

Station HUEL in network NT13
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 315 of Year 2026

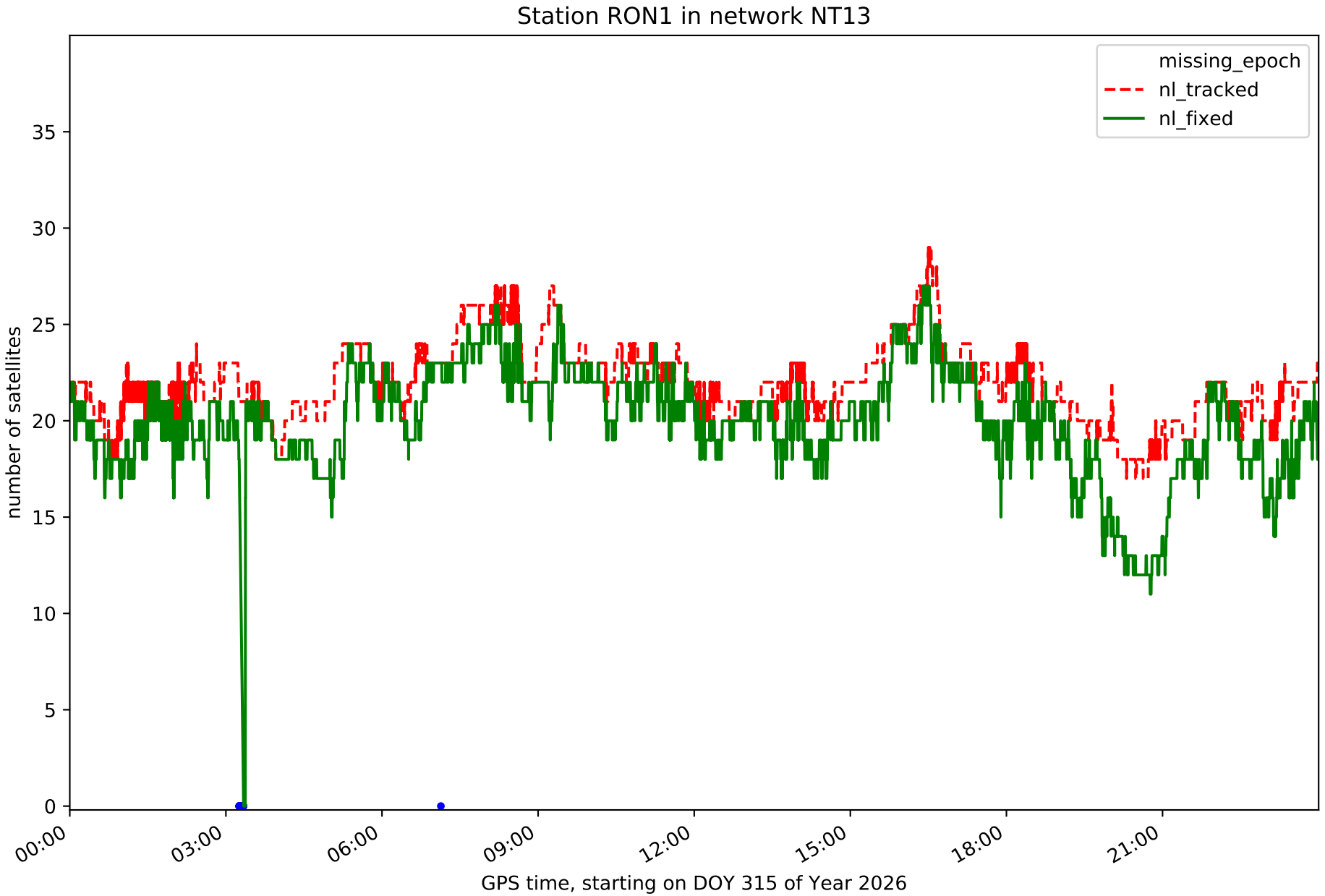

Station LEBR in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
11-Nov
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 315 of Year 2026

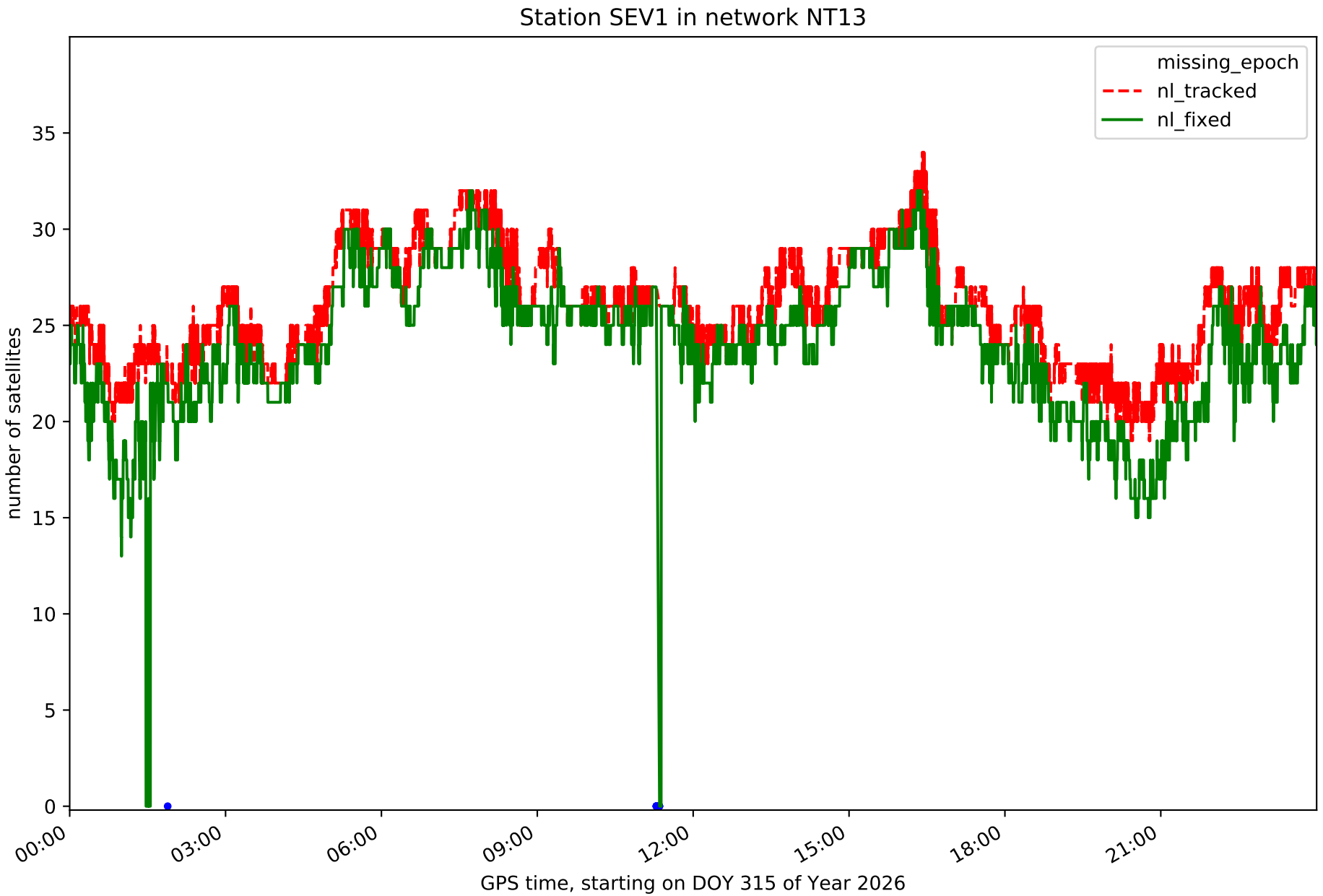

Station MALA in network NT13
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 315 of Year 2026

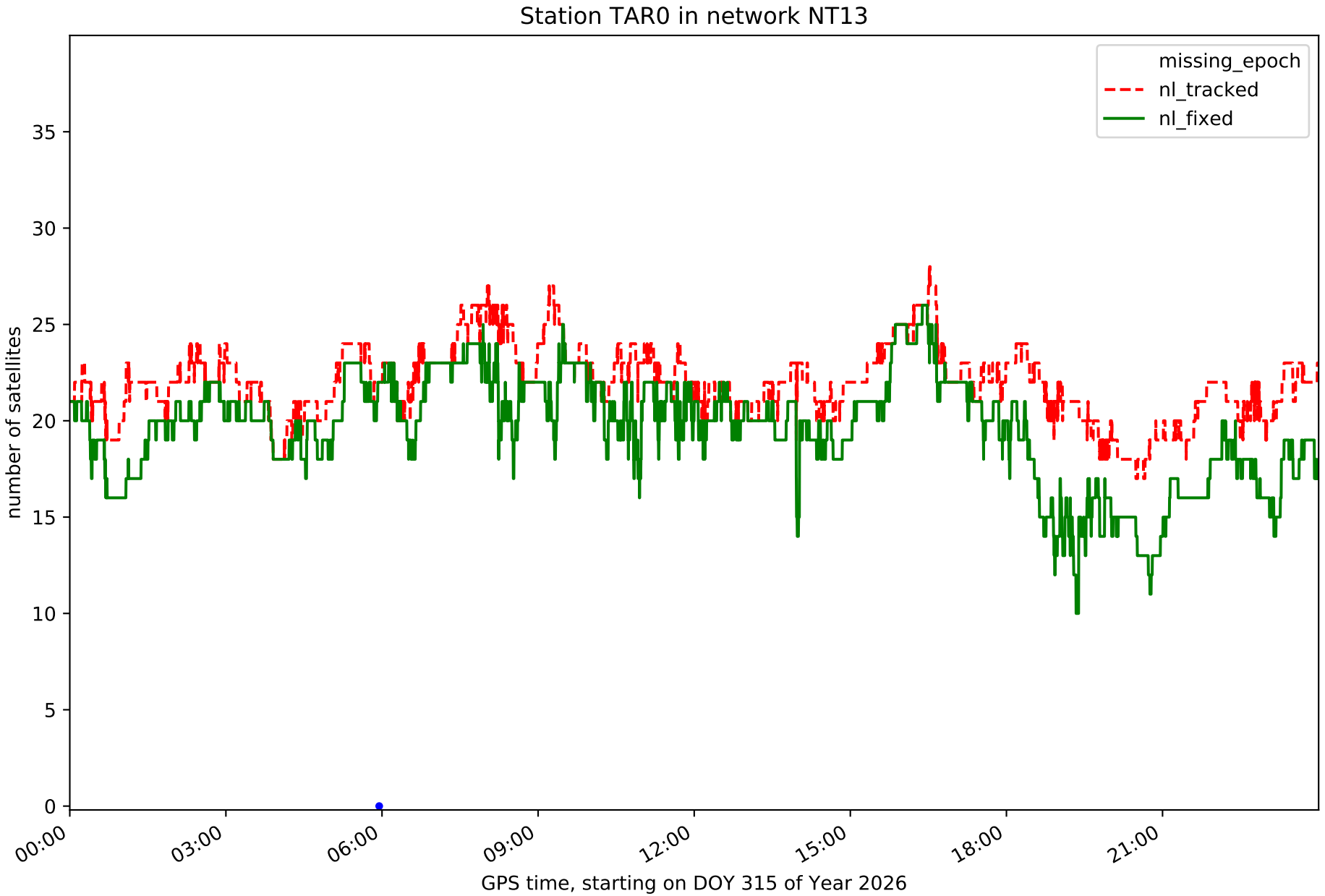

Station MOFR in network NT13
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 315 of Year 2026

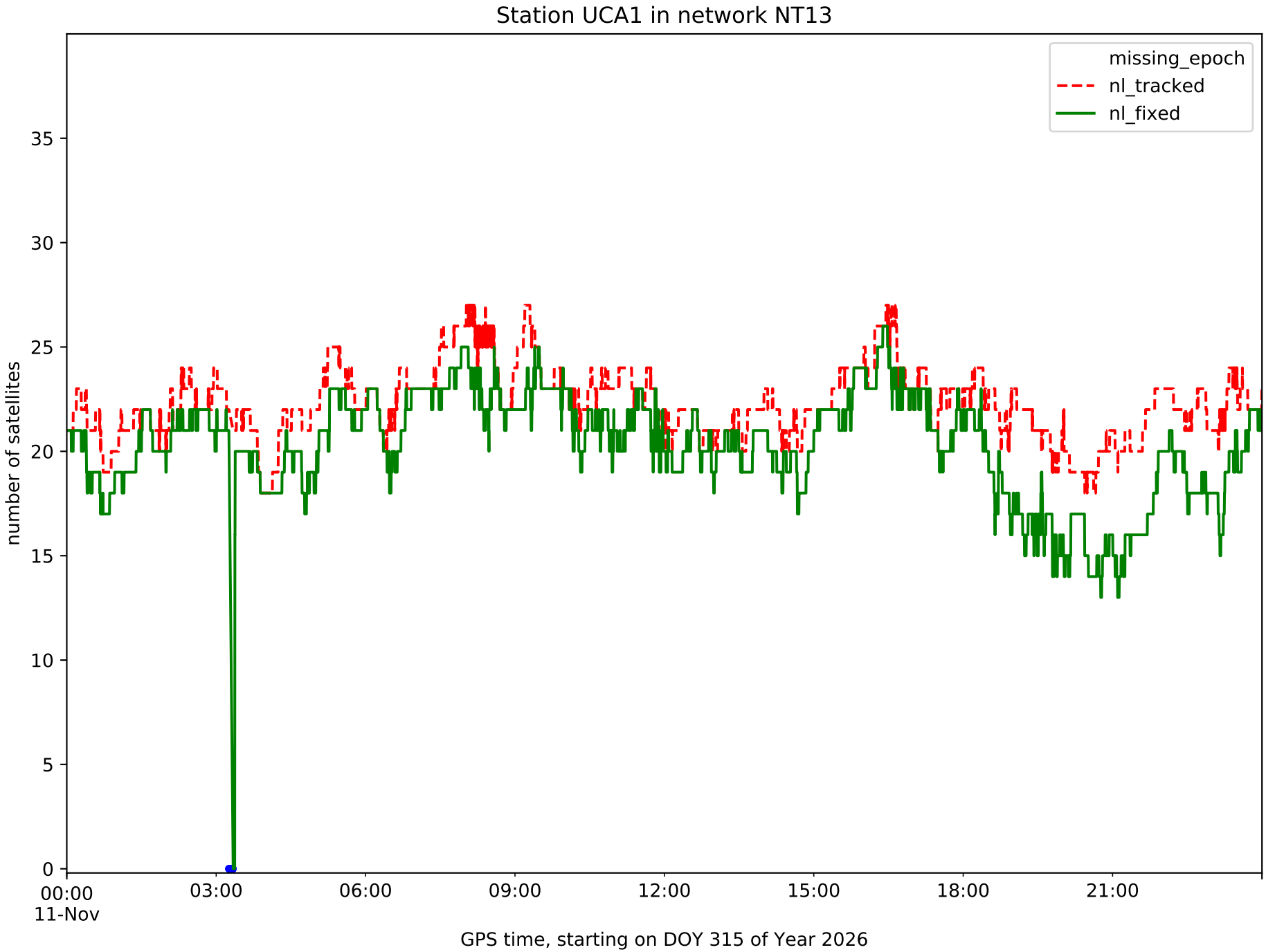

Station MOTR in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 315 of Year 2026

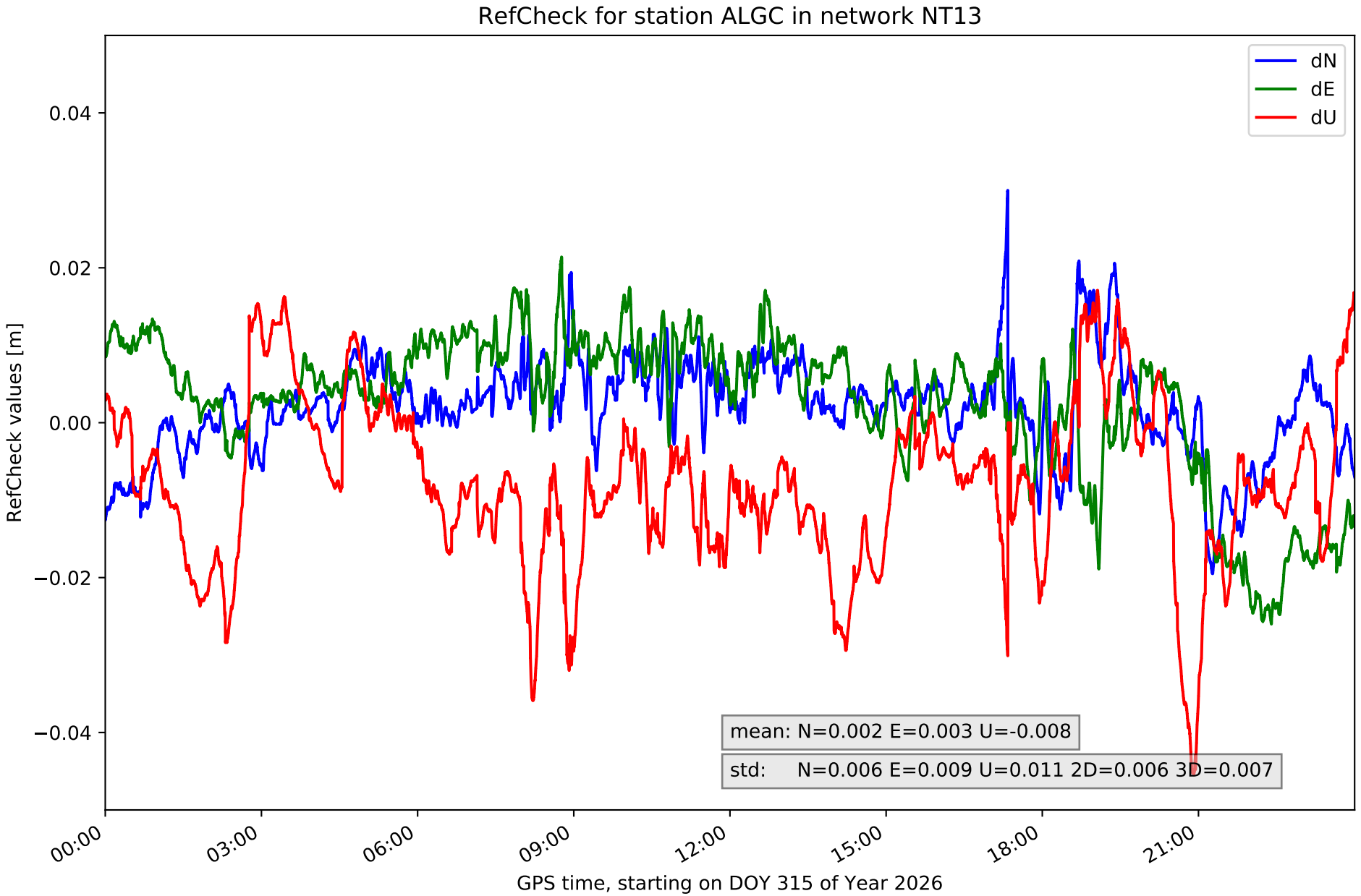

Station OSUN in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
11-Nov
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 315 of Year 2026

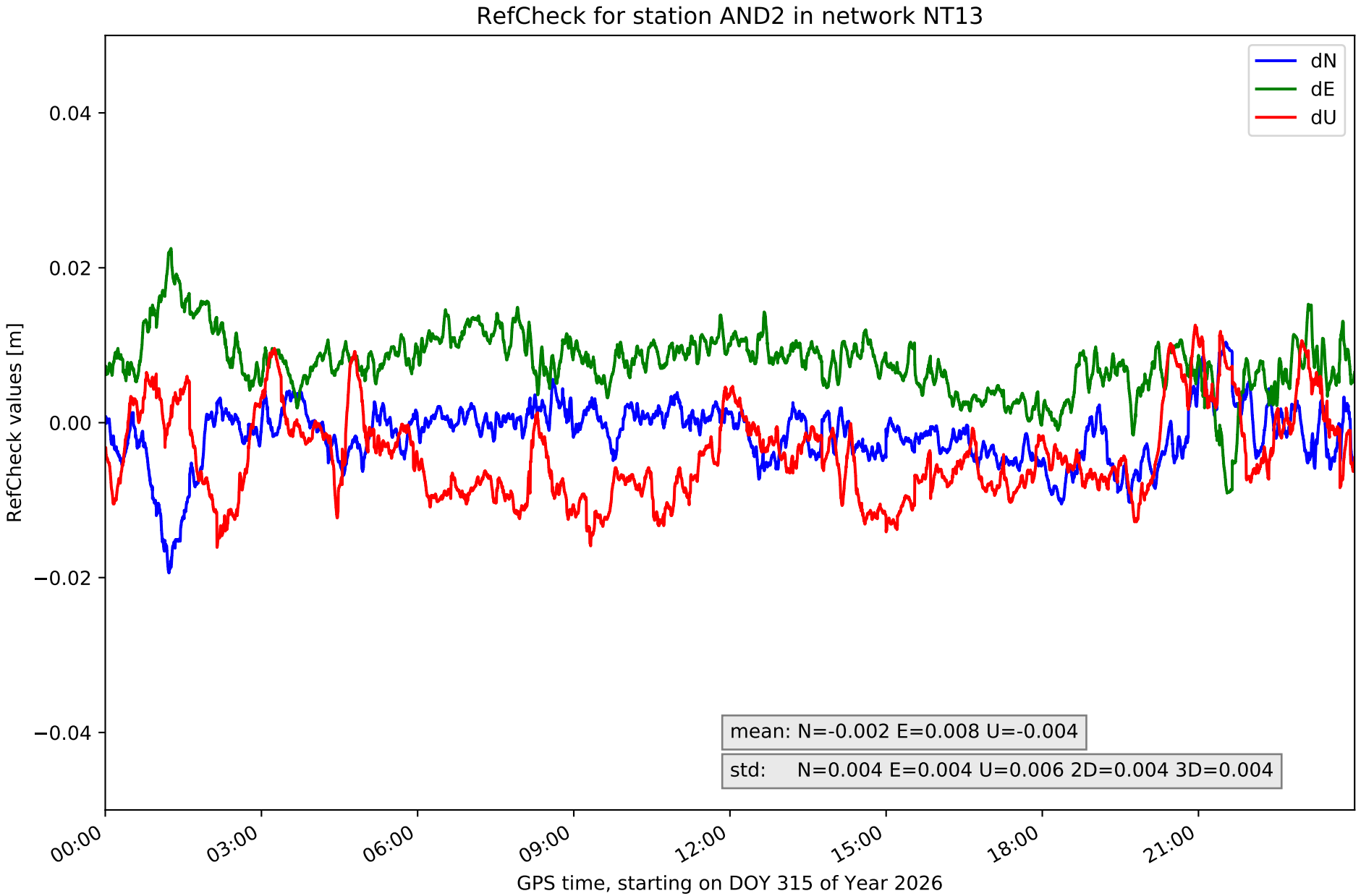

Station RON1 in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 315 of Year 2026

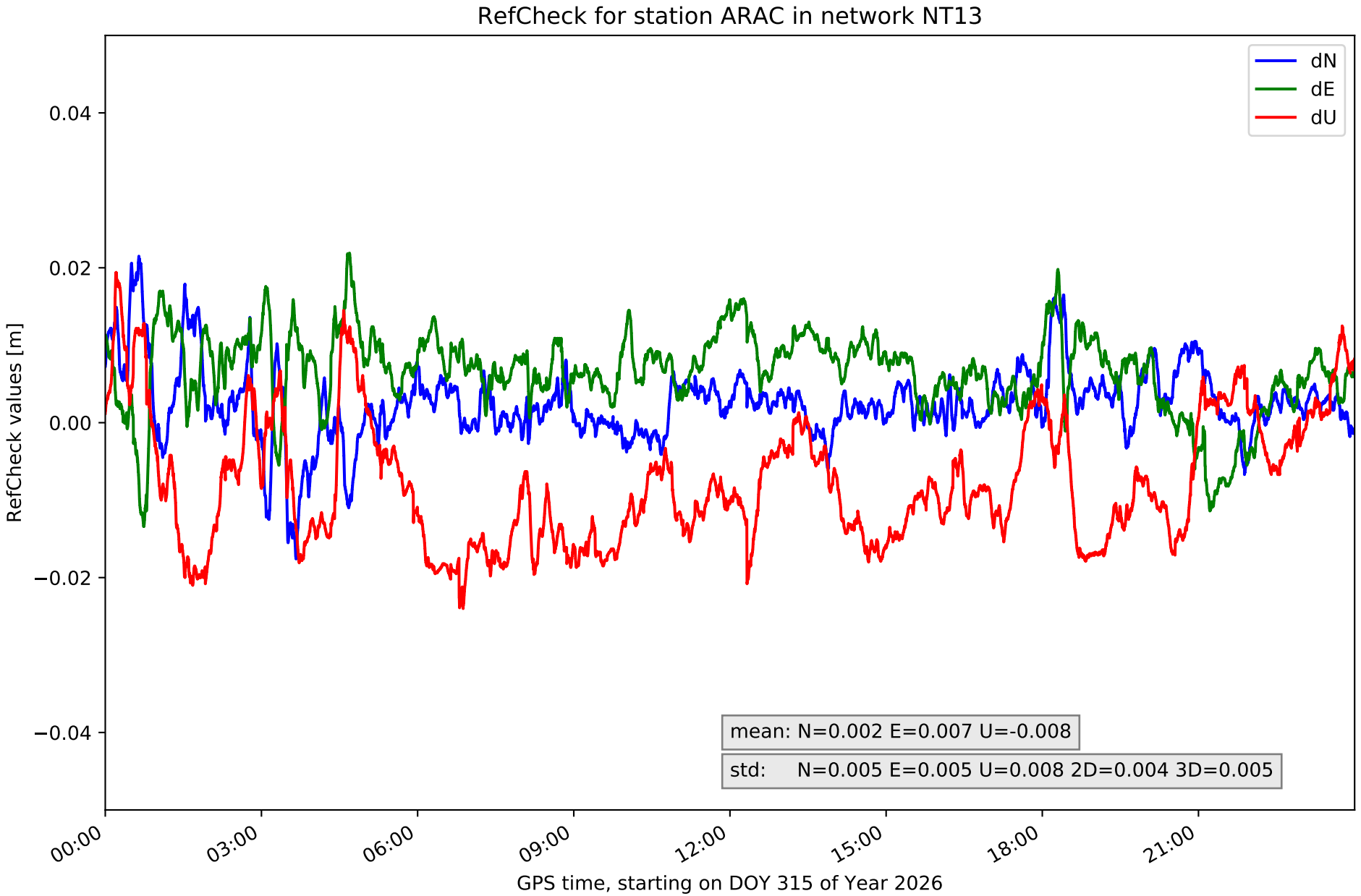

Station SEV1 in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 315 of Year 2026

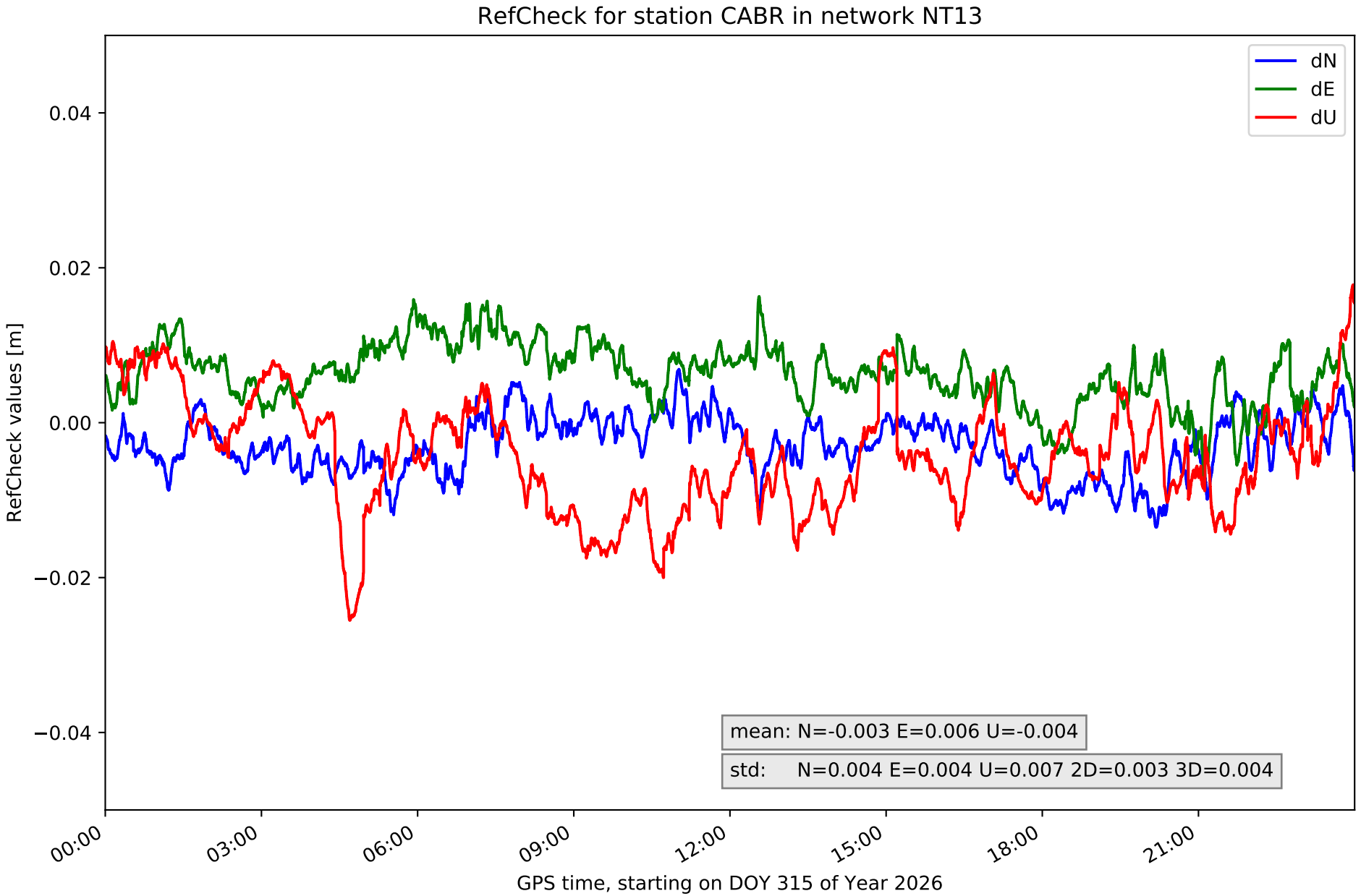

Station TAR0 in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 315 of Year 2026

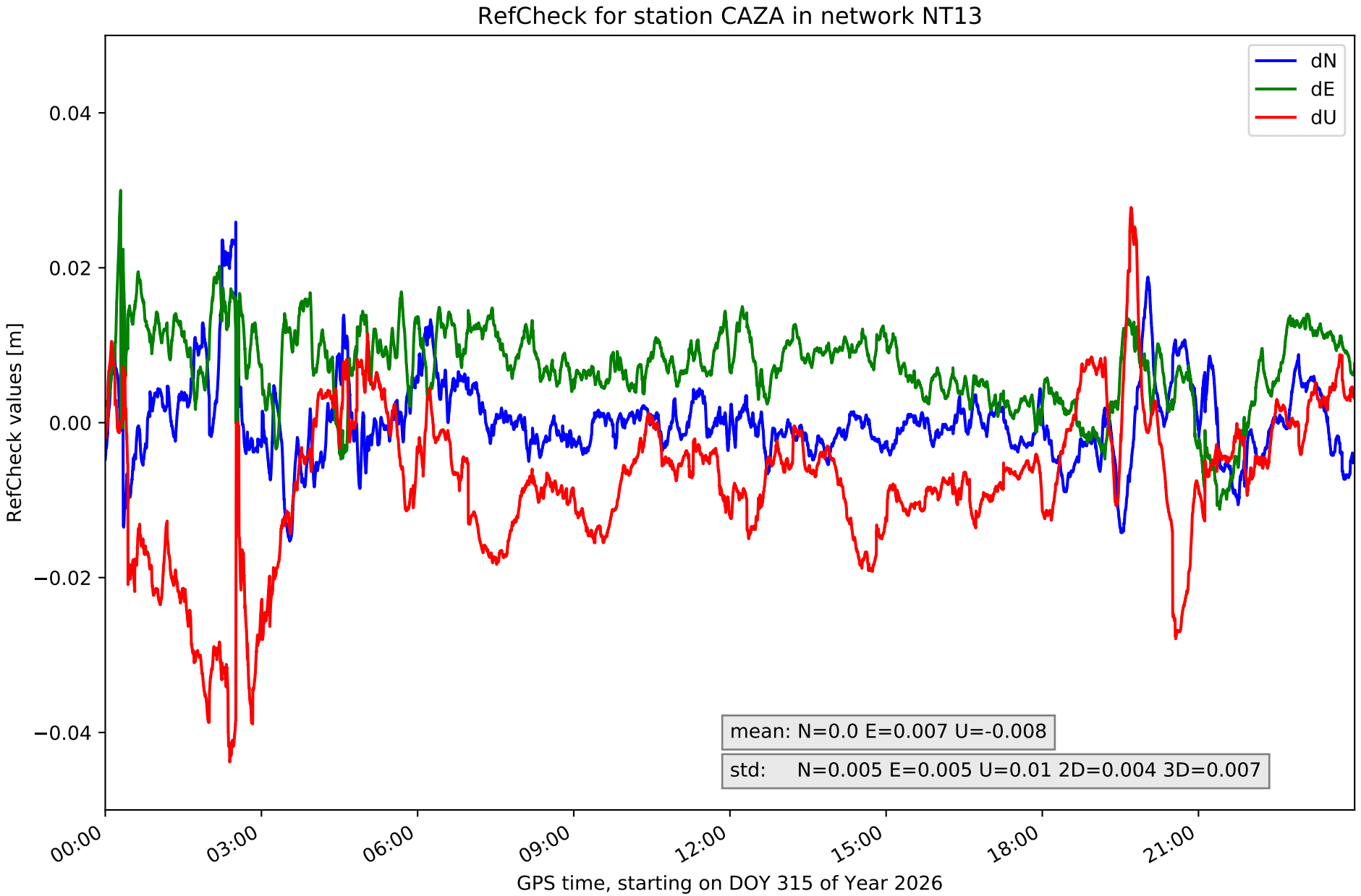

Station UCA1 in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
11-Nov
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 315 of Year 2026

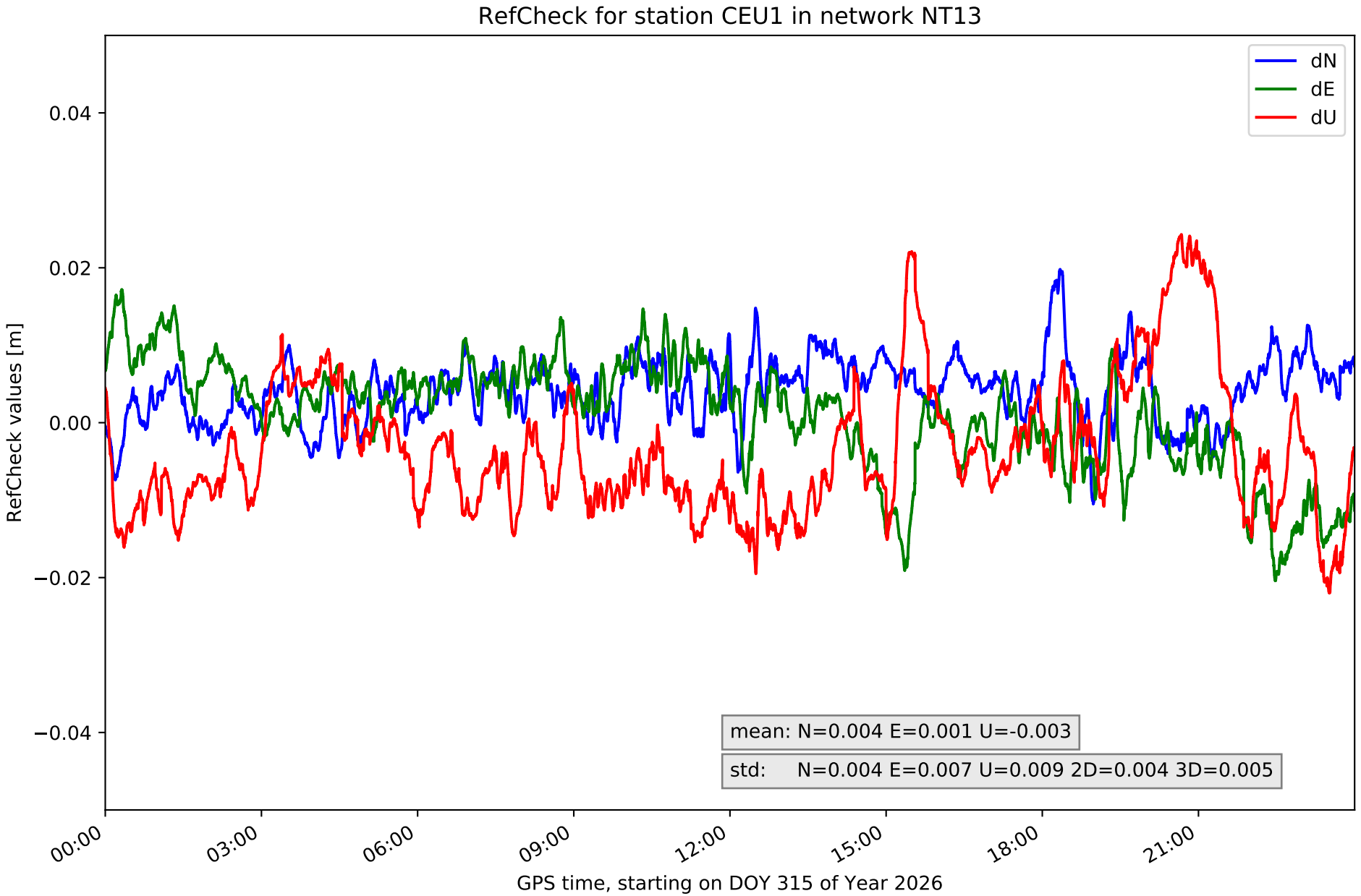

RefCheck for station ALGC in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=0.003 U=-0.008
std: N=0.006 E=0.009 U=0.011 2D=0.006 3D=0.007
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 315 of Year 2026

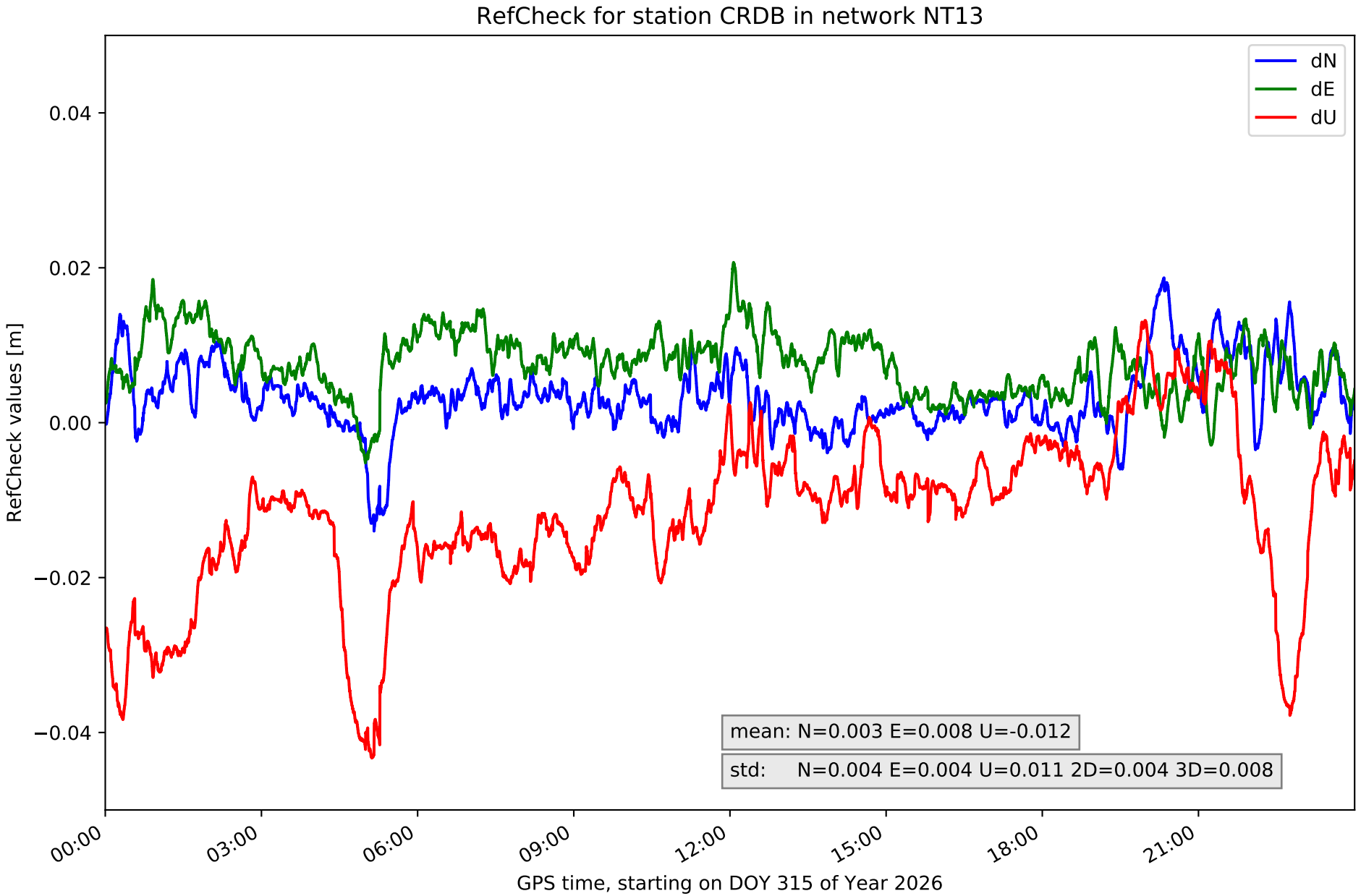

RefCheck for station AND2 in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.002 E=0.008 U=-0.004
std: N=0.004 E=0.004 U=0.006 2D=0.004 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 315 of Year 2026

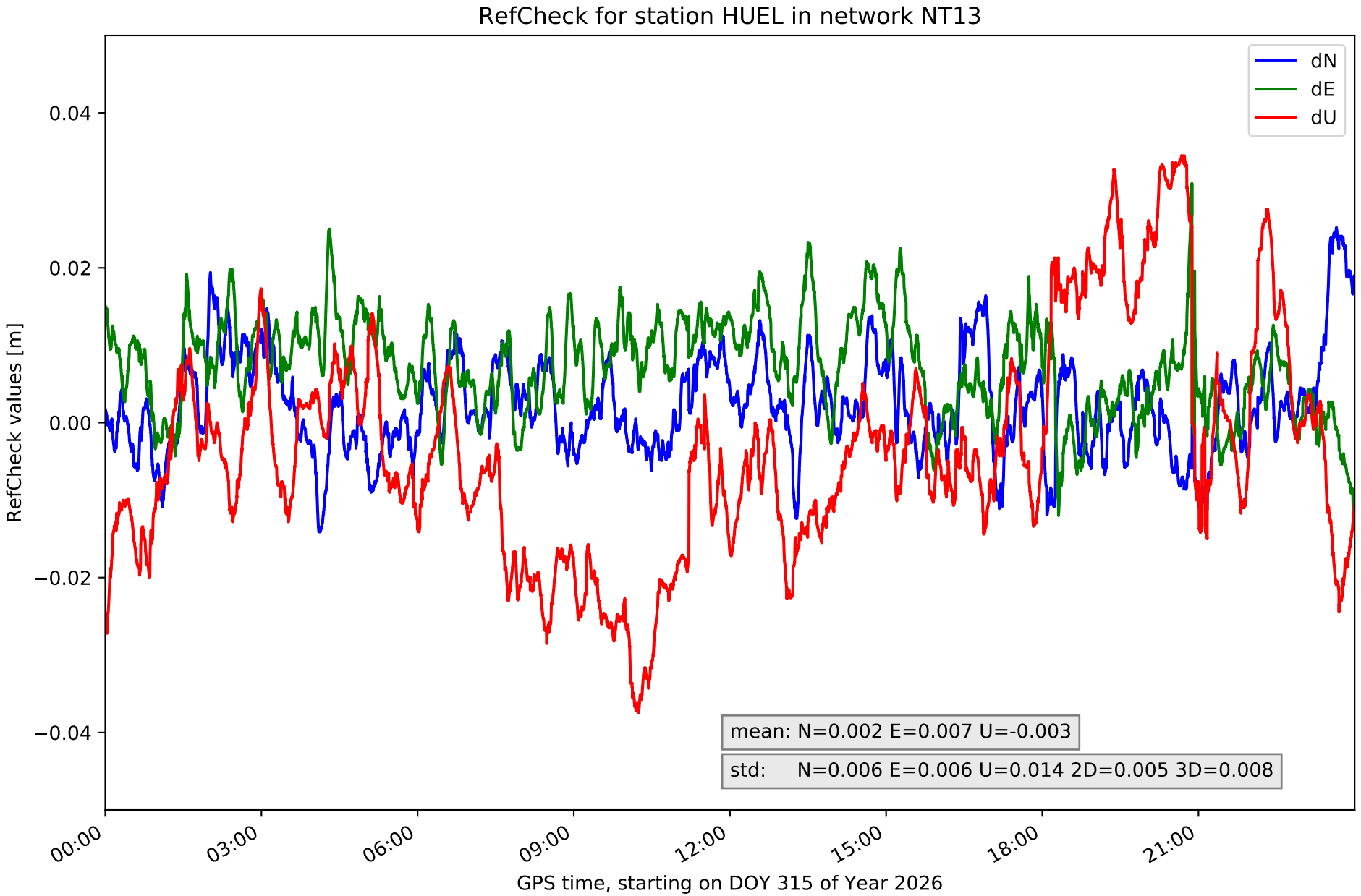

RefCheck for station ARAC in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=0.007 U=-0.008
std: N=0.005 E=0.005 U=0.008 2D=0.004 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 315 of Year 2026

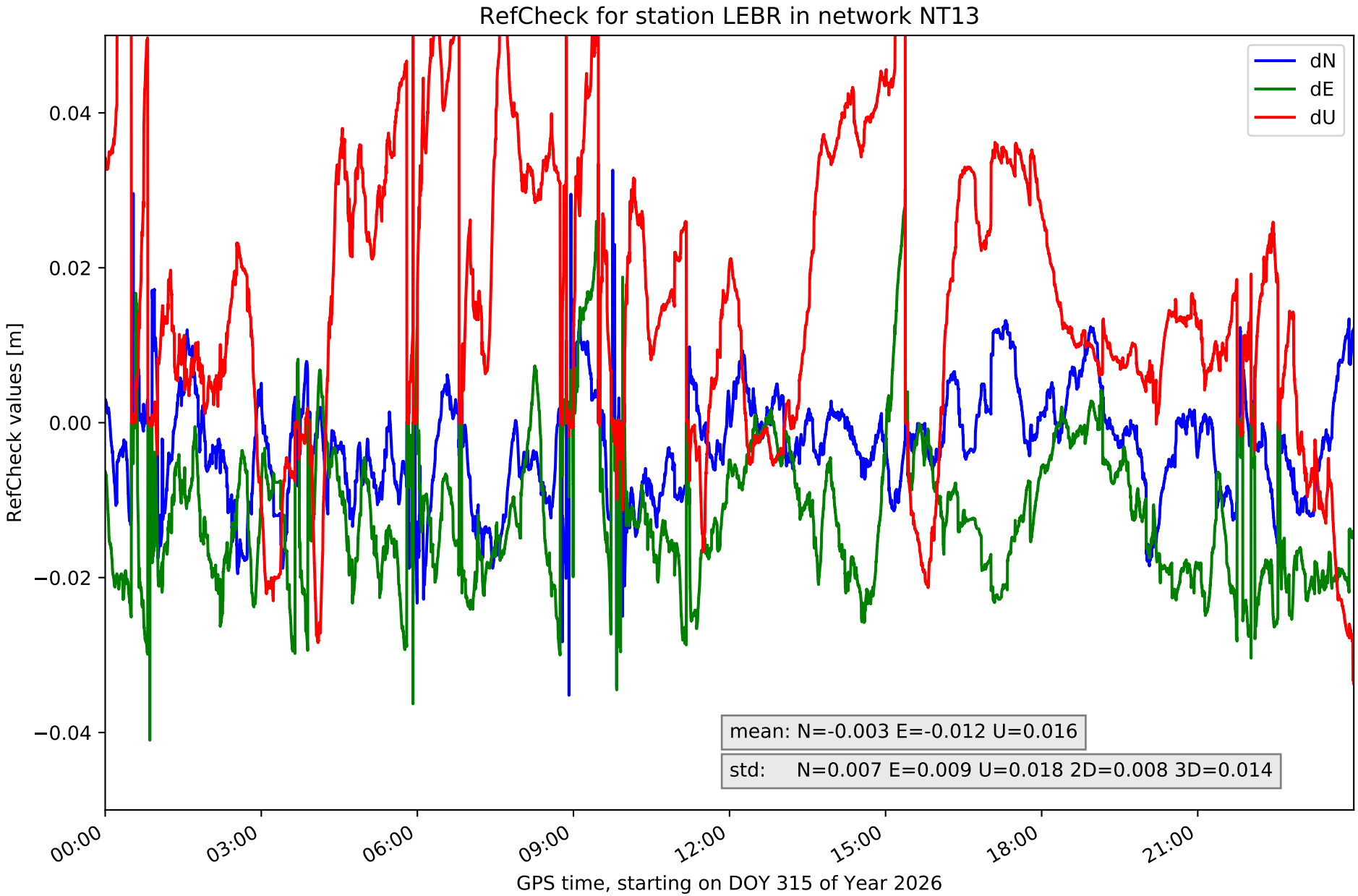

RefCheck for station CABR in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.003 E=0.006 U=-0.004
std: N=0.004 E=0.004 U=0.007 2D=0.003 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 315 of Year 2026

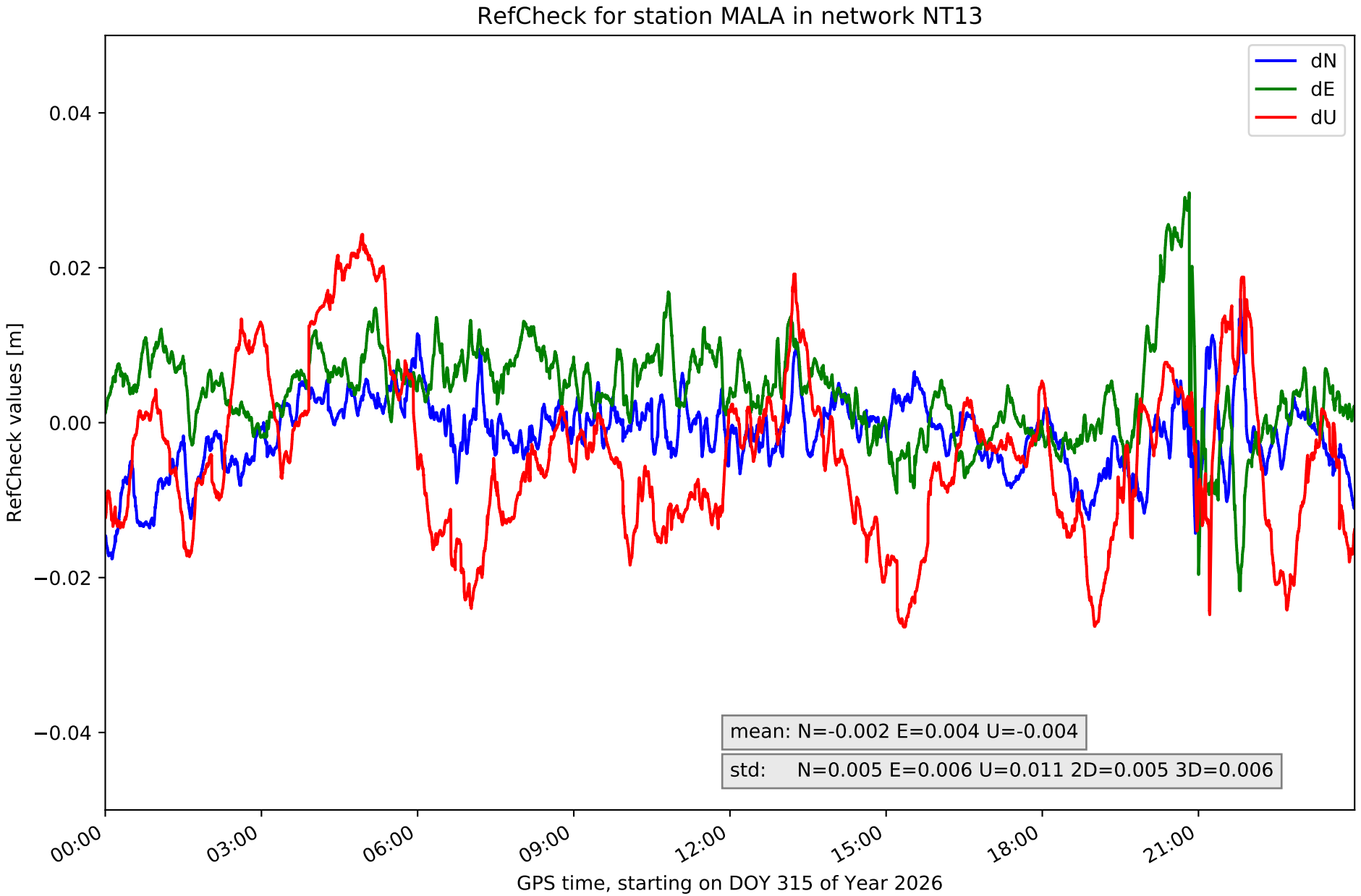

RefCheck for station CAZA in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.0 E=0.007 U=-0.008
std: N=0.005 E=0.005 U=0.01 2D=0.004 3D=0.007
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 315 of Year 2026

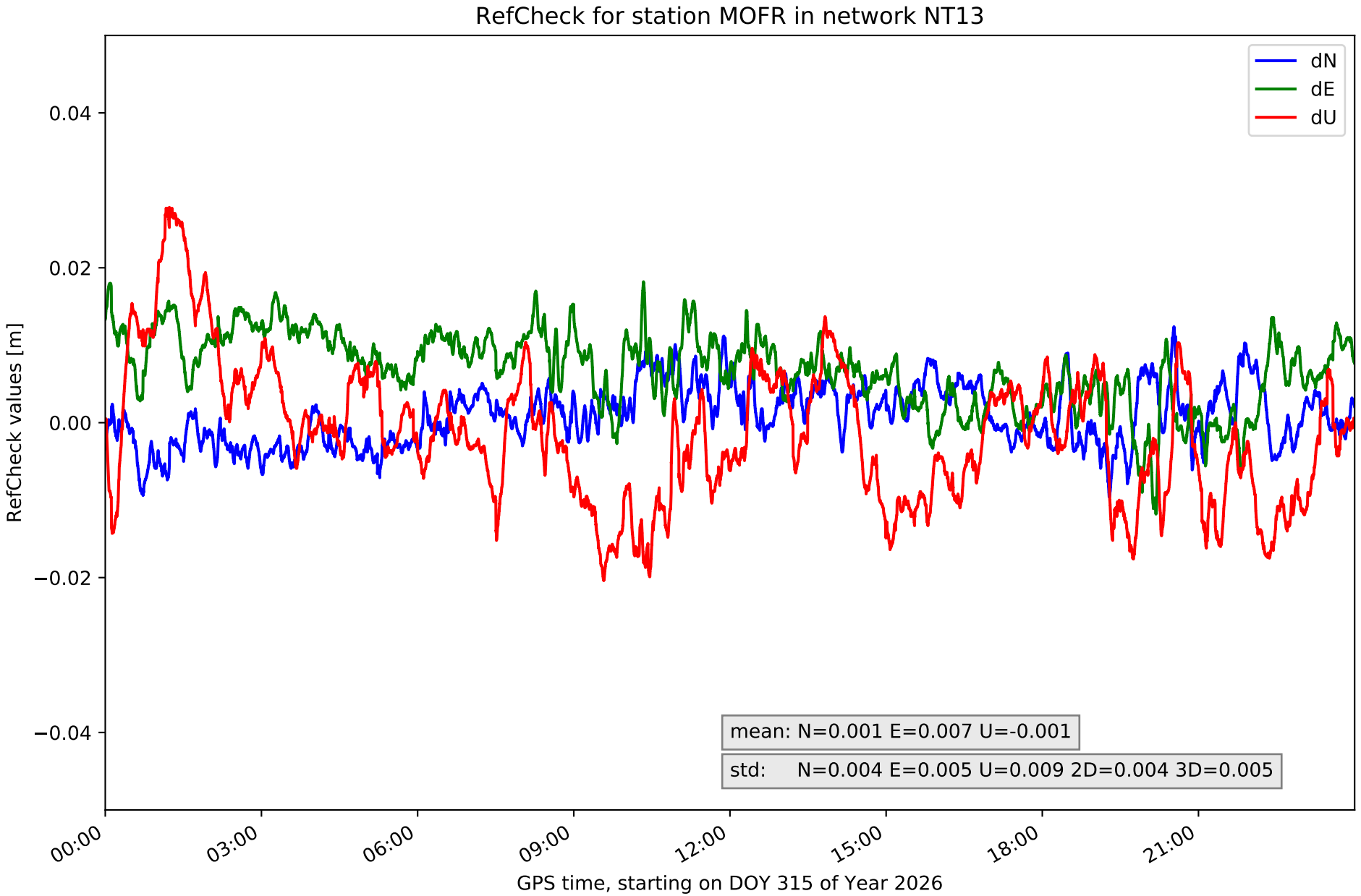

RefCheck for station CEU1 in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.004 E=0.001 U=-0.003
std: N=0.004 E=0.007 U=0.009 2D=0.004 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 315 of Year 2026

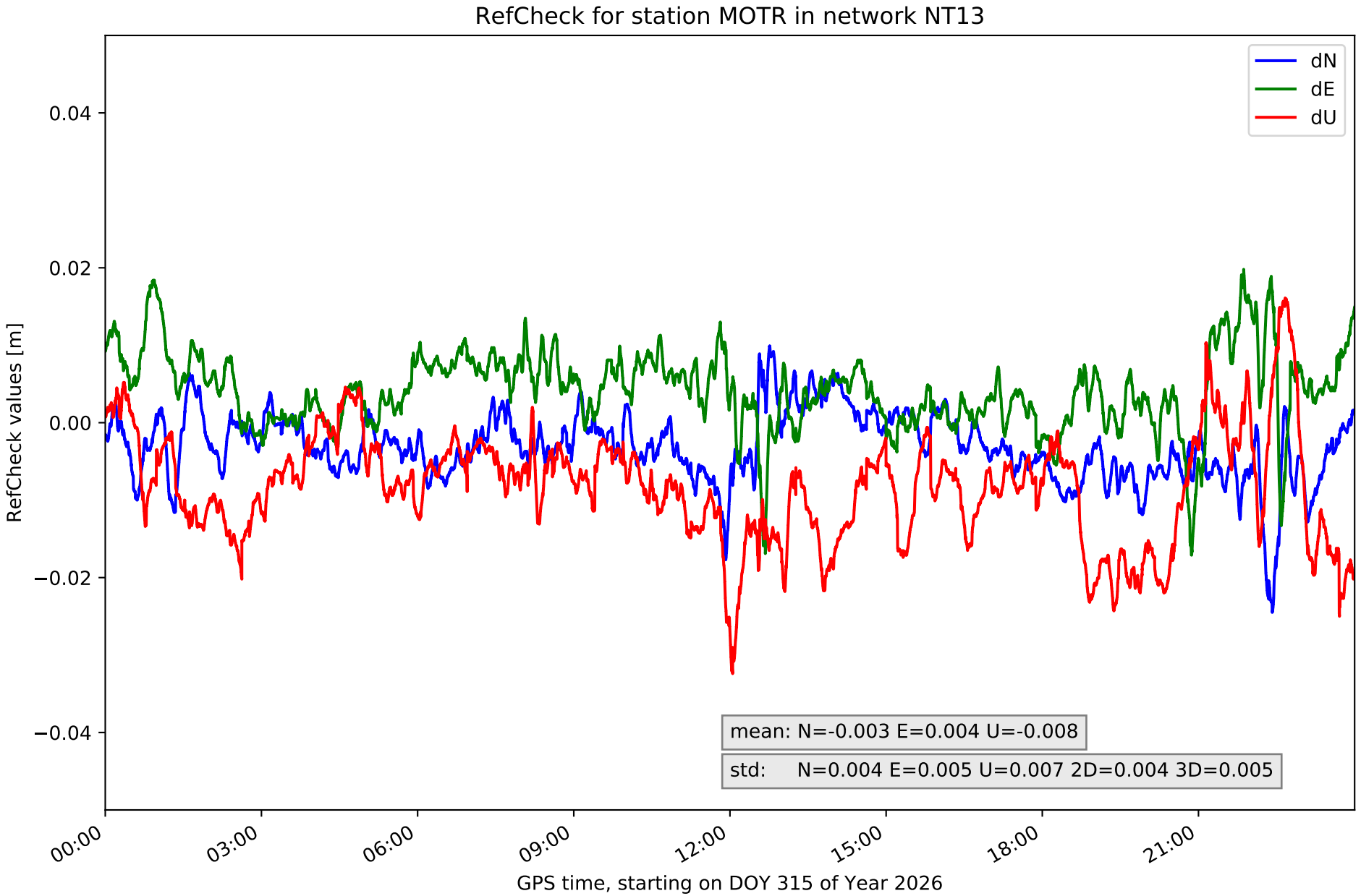

RefCheck for station CRDB in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.003 E=0.008 U=-0.012
std: N=0.004 E=0.004 U=0.011 2D=0.004 3D=0.008
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 315 of Year 2026

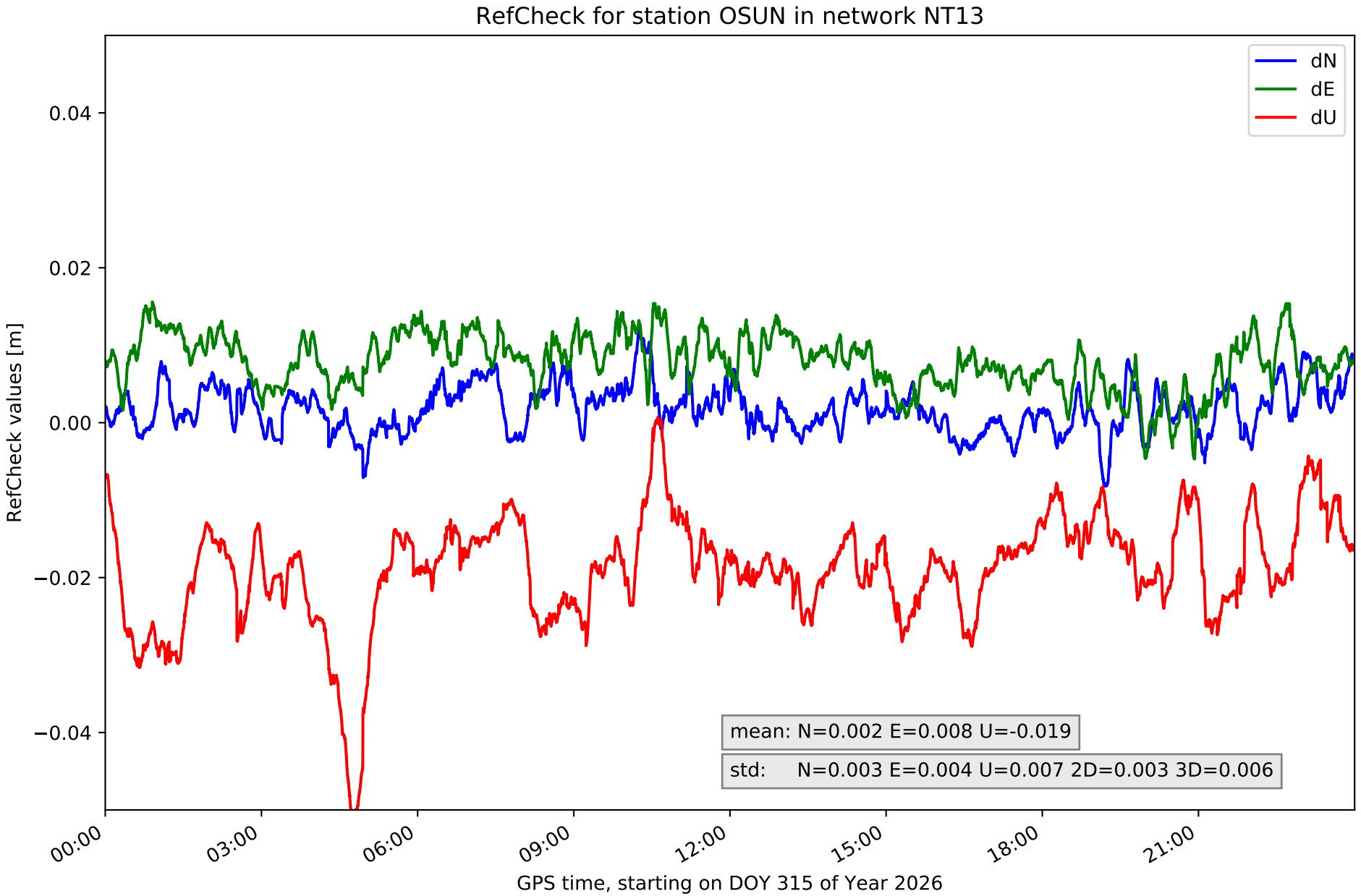

RefCheck for station HUEL in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=0.007 U=-0.003
std: N=0.006 E=0.006 U=0.014 2D=0.005 3D=0.008
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 315 of Year 2026

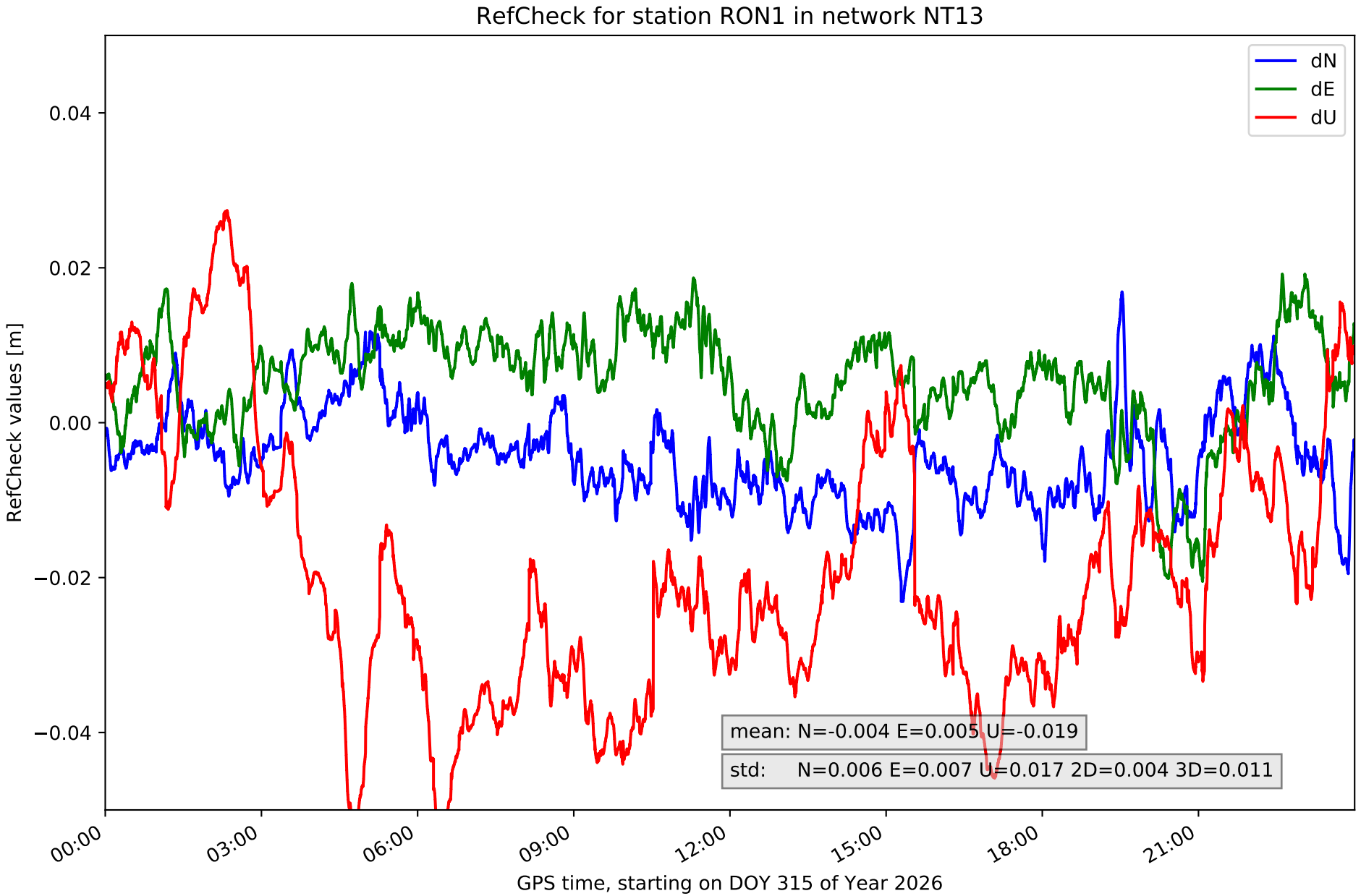

RefCheck for station LEBR in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.003 E=-0.012 U=0.016
std: N=0.007 E=0.009 U=0.018 2D=0.008 3D=0.014
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 315 of Year 2026

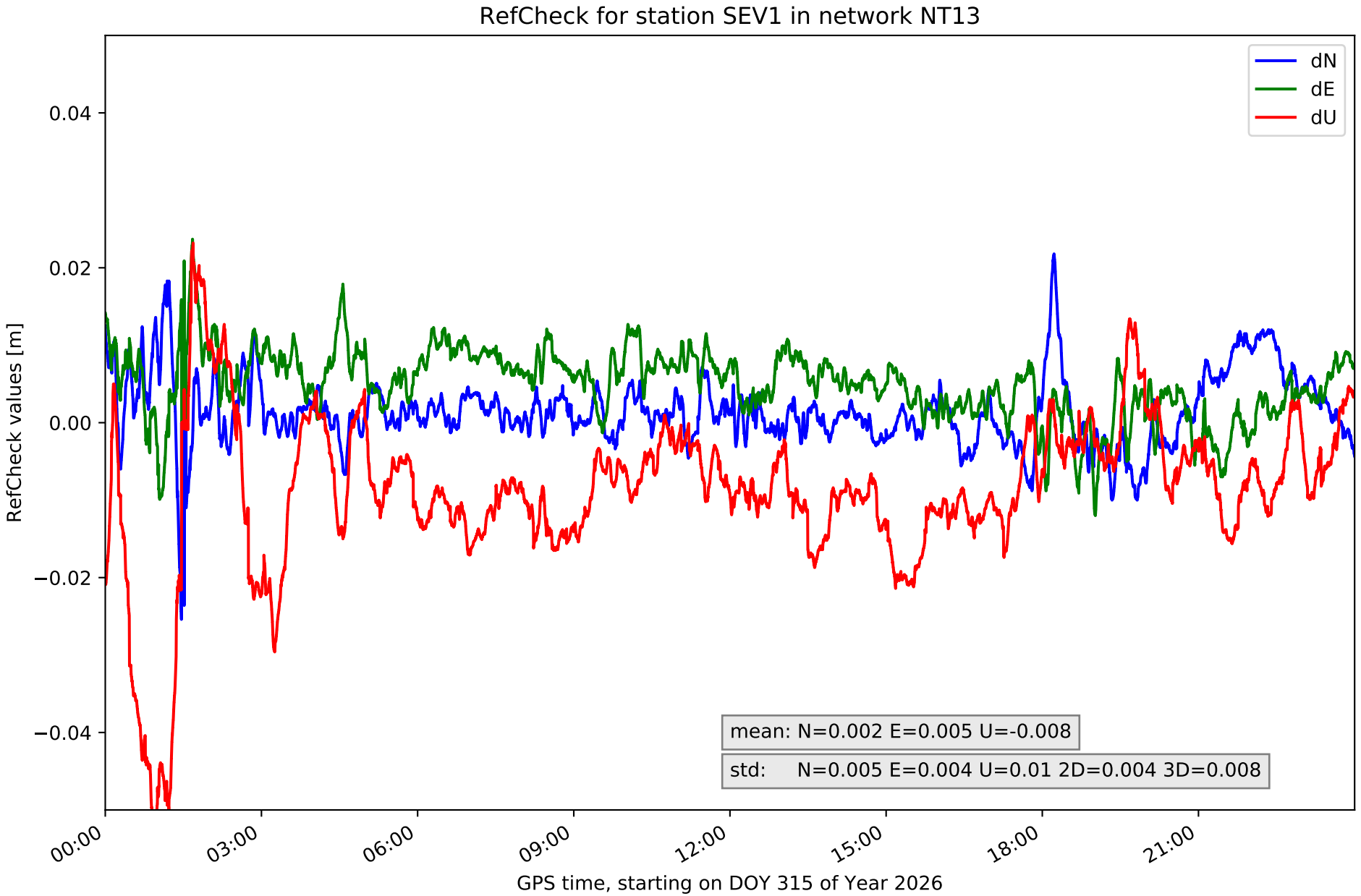

RefCheck for station MALA in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.002 E=0.004 U=-0.004
std: N=0.005 E=0.006 U=0.011 2D=0.005 3D=0.006
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 315 of Year 2026

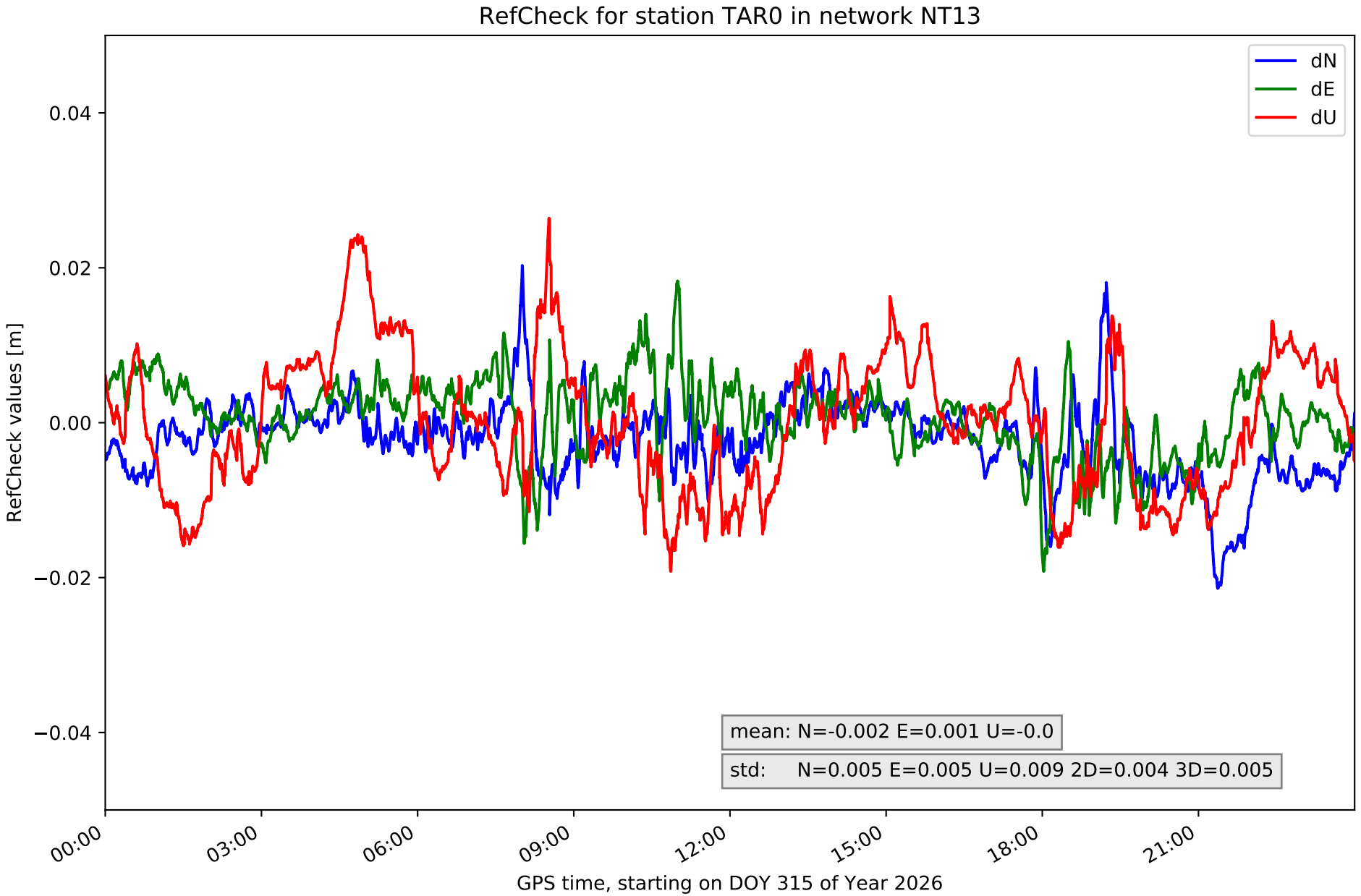

RefCheck for station MOFR in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.001 E=0.007 U=-0.001
std: N=0.004 E=0.005 U=0.009 2D=0.004 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 315 of Year 2026

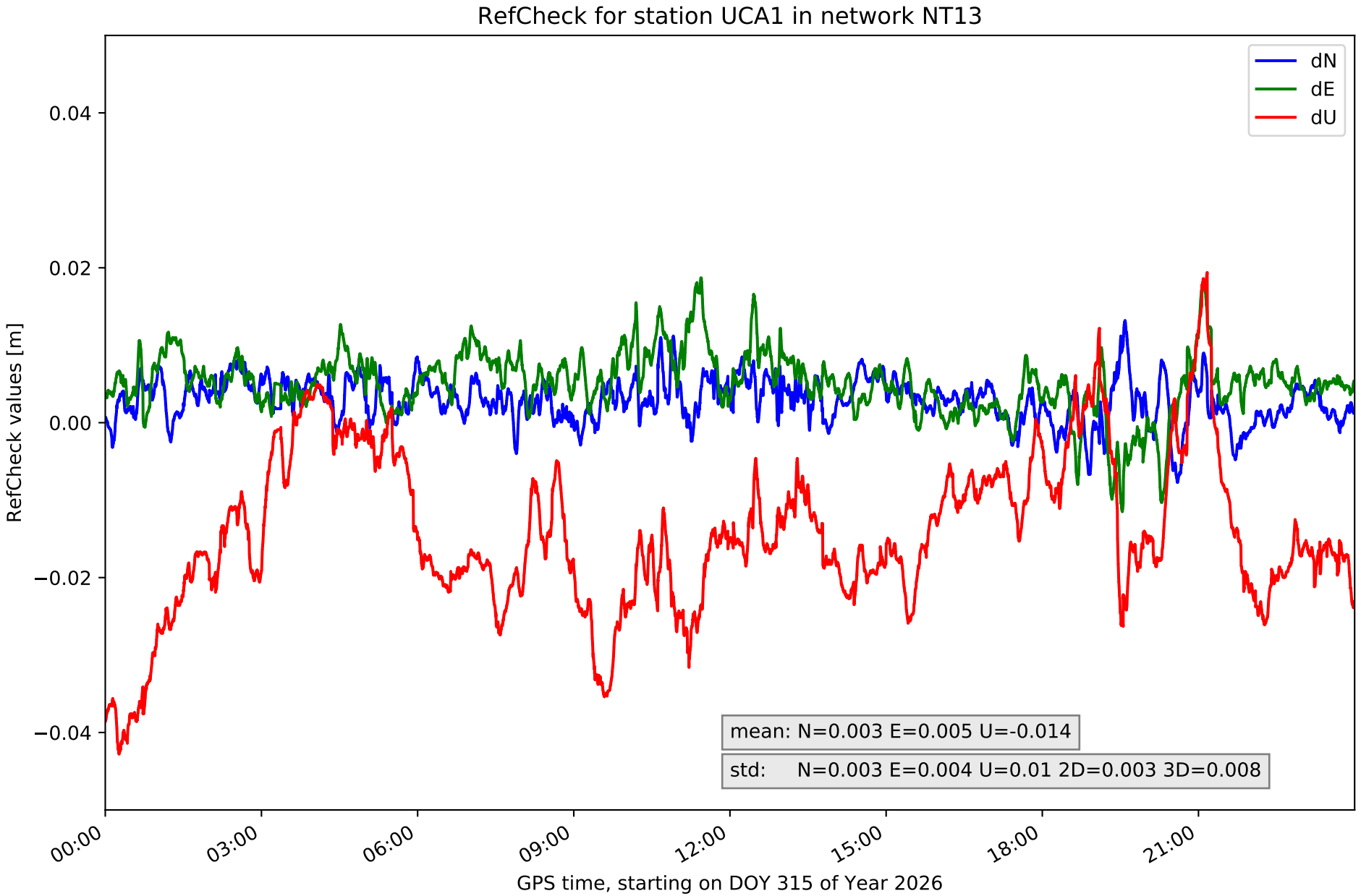

RefCheck for station MOTR in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.003 E=0.004 U=-0.008
std: N=0.004 E=0.005 U=0.007 2D=0.004 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 315 of Year 2026


RefCheck for station OSUN in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=0.008 U=-0.019
std: N=0.003 E=0.004 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 315 of Year 2026


RefCheck for station RON1 in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.004 E=0.005 U=-0.019
std: N=0.006 E=0.007 U=0.017 2D=0.004 3D=0.011
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 315 of Year 2026


RefCheck for station SEV1 in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=0.005 U=-0.008
std: N=0.005 E=0.004 U=0.01 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 315 of Year 2026


RefCheck for station TAR0 in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.002 E=0.001 U=-0.0
std: N=0.005 E=0.005 U=0.009 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 315 of Year 2026


RefCheck for station UCA1 in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.003 E=0.005 U=-0.014
std: N=0.003 E=0.004 U=0.01 2D=0.003 3D=0.008
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 315 of Year 2026

RefCheck values for network NT13

Station	Nmin	Nmax	Nstd	Emin	Emax	Estd	Umin	Umax	Ustd	std2D	std3D	#2D > 0.01	% 2D > 0.01	#3D > 0.02	% 3D > 0.02
ALGC	-0.019	0.03	0.006	-0.026	0.021	**0.009**	-0.045	0.017	0.011	0.006	0.007	36393	44.6	21390	26.2
AND2	-0.019	0.01	0.004	-0.009	0.022	0.004	-0.016	0.013	0.006	0.004	0.004	25196	30.9	1550	1.9
ARAC	-0.018	0.021	0.005	-0.013	0.022	0.005	-0.024	0.019	0.008	0.004	0.005	27977	34.3	10435	12.8
CABR	-0.013	0.007	0.004	-0.008	0.016	0.004	-0.025	0.018	0.007	0.003	0.004	22431	27.5	2275	2.8
CAZA	-0.015	0.026	0.005	-0.011	0.03	0.005	-0.044	0.028	0.01	0.004	0.007	33775	41.4	13846	17.0
CEU1	-0.011	0.02	0.004	-0.02	0.017	0.007	-0.022	0.024	0.009	0.004	0.005	23704	29.1	7761	9.5
CRDB	-0.014	0.019	0.004	-0.005	0.021	0.004	-0.043	0.013	0.011	0.004	0.008	35649	43.7	21366	26.2
HUEL	-0.014	0.025	0.006	-0.013	0.031	0.006	-0.037	0.035	0.014	0.005	0.008	40825	50.0	26711	32.7
LEBR	**-0.035**	**0.033**	**0.007**	**-0.041**	**0.033**	**0.009**	-0.034	**0.078**	**0.018**	**0.008**	**0.014**	**58071**	**71.2**	54521	66.8
MALA	-0.018	0.016	0.005	-0.022	0.03	0.006	-0.026	0.024	0.011	0.005	0.006	17301	21.2	13112	16.1
MOFR	-0.01	0.012	0.004	-0.012	0.018	0.005	-0.02	0.028	0.009	0.004	0.005	29337	36.0	3955	4.8
MOTR	-0.025	0.01	0.004	-0.017	0.02	0.005	-0.032	0.016	0.007	0.004	0.005	16051	19.7	9670	11.9
OSUN	-0.008	0.012	0.003	-0.005	0.016	0.004	-0.051	0.001	0.007	0.003	0.006	29406	36.0	46840	57.4
RON1	-0.023	0.017	0.006	-0.021	0.019	0.007	**-0.053**	0.027	0.017	0.004	0.011	44693	54.8	**56974**	**69.8**
SEV1	-0.025	0.022	0.005	-0.012	0.024	0.004	**-0.053**	0.023	0.01	0.004	0.008	15434	18.9	8955	11.0
TAR0	-0.021	0.02	0.005	-0.019	0.018	0.005	-0.019	0.026	0.009	0.004	0.005	12092	14.8	3838	4.7
UCA1	-0.008	0.013	0.003	-0.011	0.019	0.004	-0.043	0.019	0.01	0.003	0.008	12779	15.7	28578	35.0
Mean	**-0.017**	**0.018**	**0.005**	**-0.016**	**0.022**	**0.005**	**-0.035**	**0.024**	**0.01**	**0.004**	**0.007**	**28300.8**	**34.7**	**19516.3**	**23.9**
Min/Max	**-0.035**	**0.033**	**0.007**	**-0.041**	**0.033**	**0.009**	**-0.053**	**0.078**	**0.018**	**0.008**	**0.014**	**58071**	**71.2**	**56974**	**69.8**

fixing statistic for network NT13

fixing percentage of	all GNSS	G	R	E	C
using threshold 0.3	90.3	94.0	90.6	94.3	75.8
considering satellites with dual-frequency fixed	88.8	89.4	86.3	90.7	85.3
considering all signals separately	89.1	89.5	86.3	90.9	84.4