summary for network NT13

timeperiod chosen: from 2025-09-10-00:00:00 until 2025-09-10-23:59:59

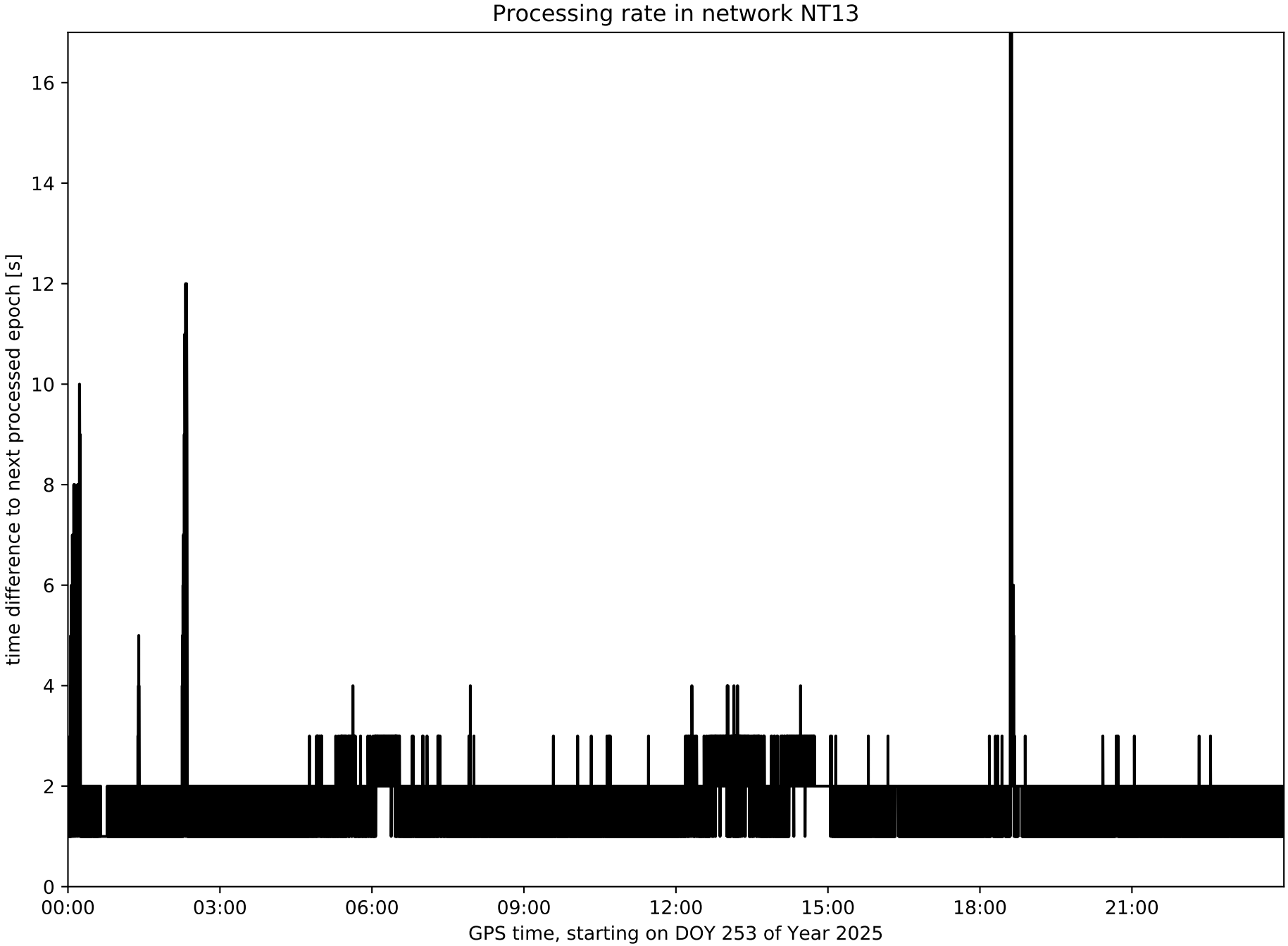
average update rate (durations larger than 15 seconds considered as observation gap): 1.3 seconds

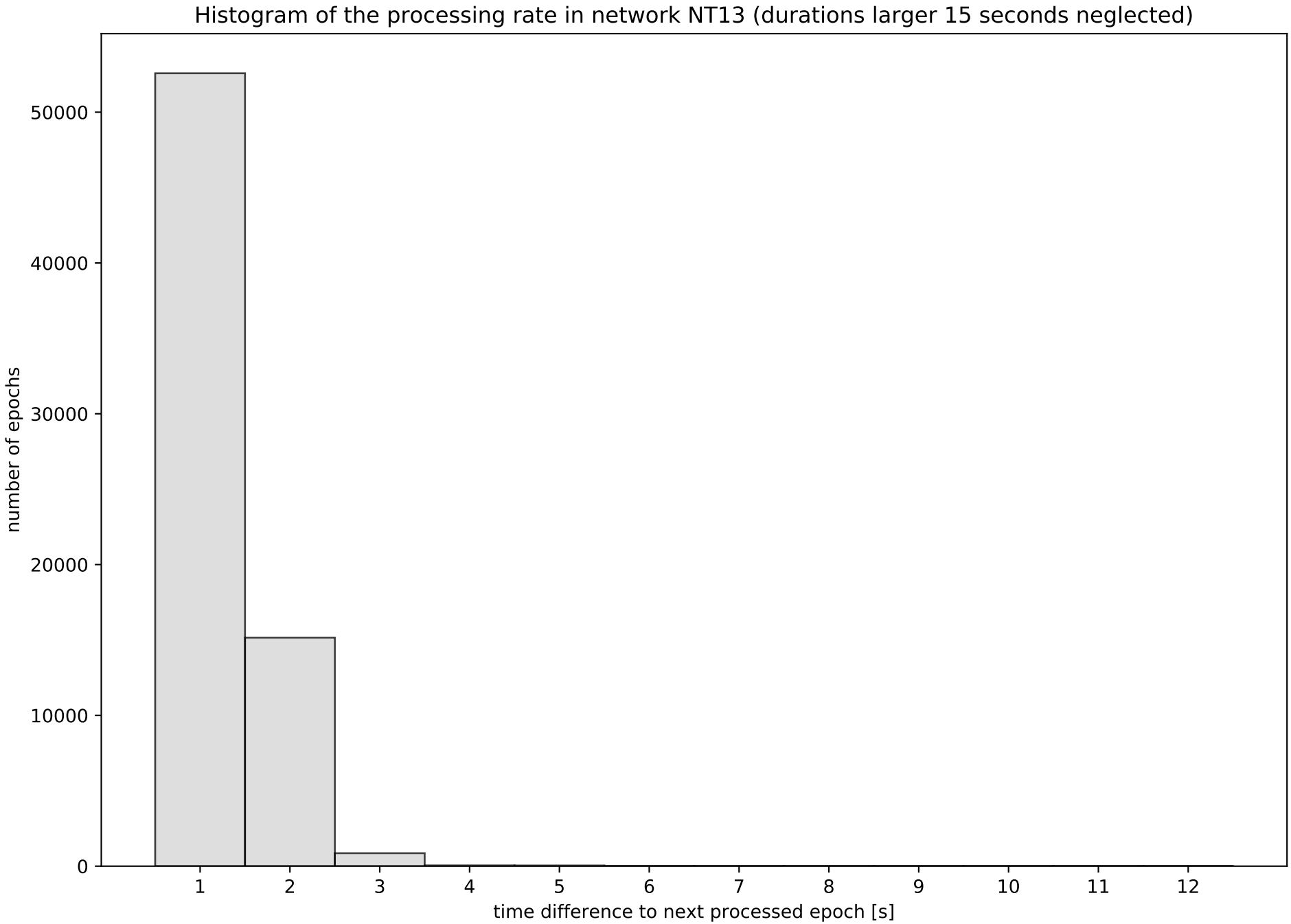
average fixing percentage with threshold set to 0.3: 91.6 percent

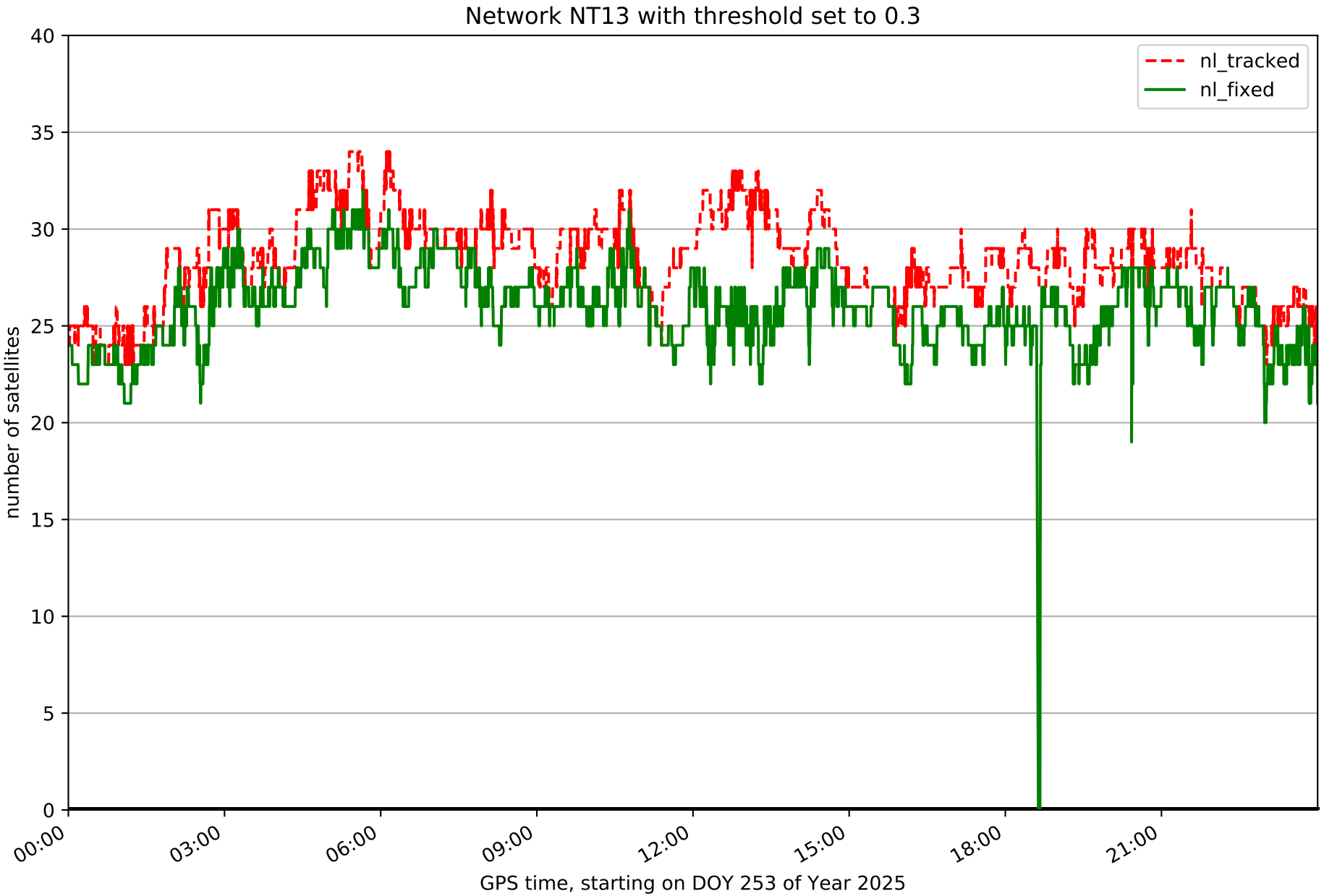
stations available: 17 of 17

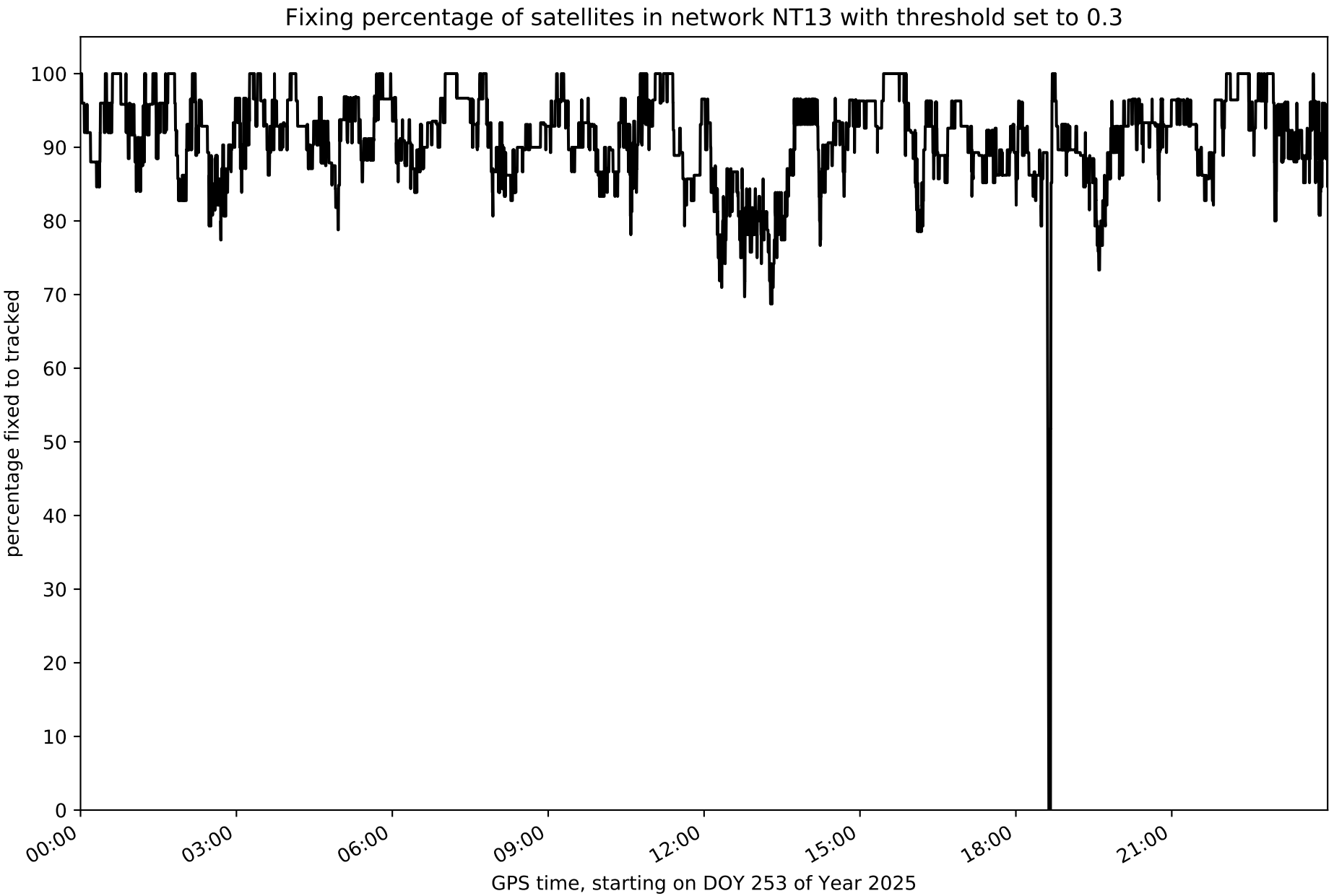
station information:

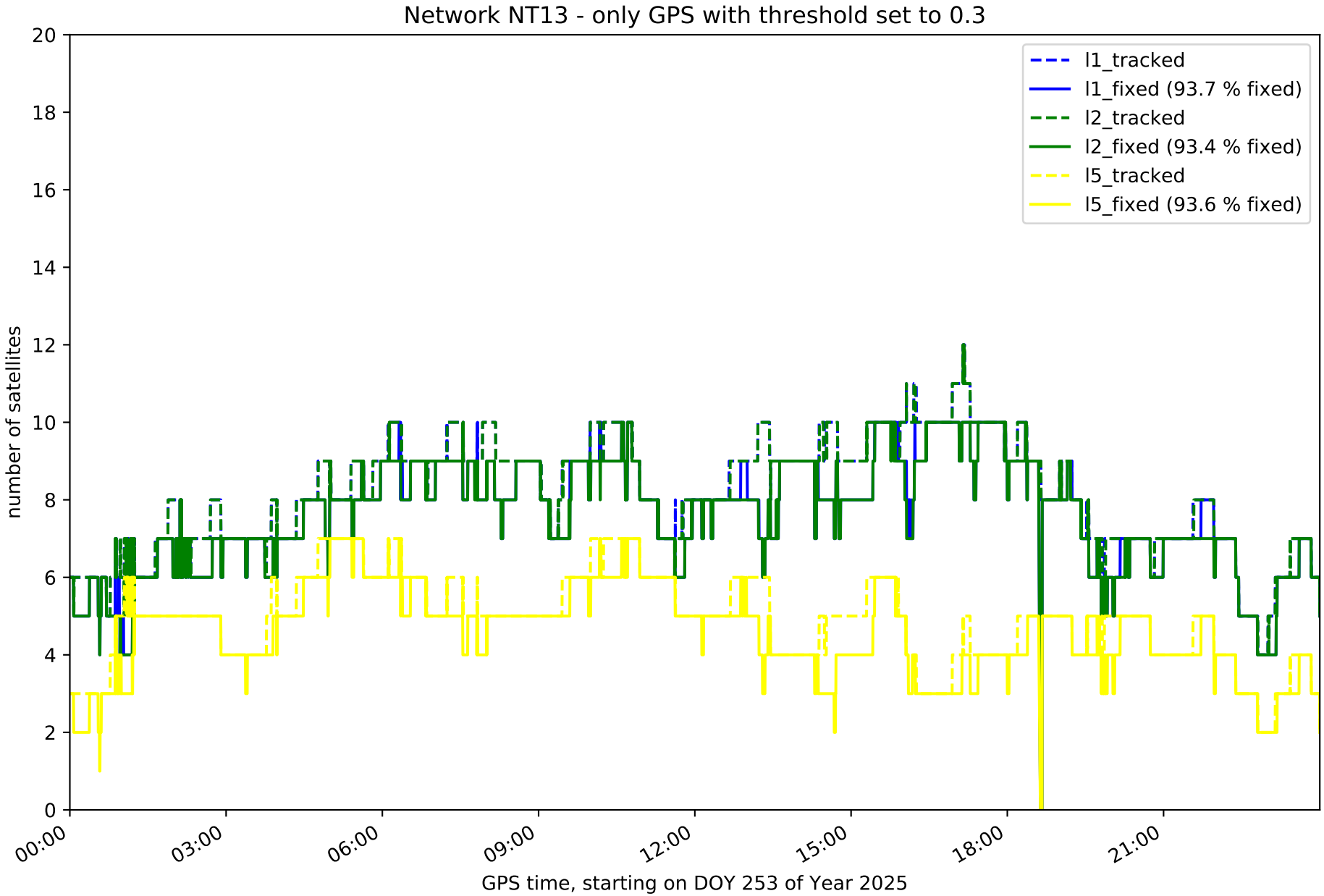
station ALGC:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 117.171
station AND2:	antenna: LEIAR20 LEIM	receiver: LEICA GR50	height: 284.274
station ARAC:	antenna: LEIAR20 LEIM	receiver: LEICA GR25	height: 725.104
station CABR:	antenna: LEIAT504_____LEIS	receiver: LEICA GR25	height: 572.15
station CAZA:	antenna: LEIAR20 LEIM	receiver: LEICA GR25	height: 663.115
station CEU1:	antenna: TRM59900.00 SCIS	receiver: TRIMBLE NETR9	height: 52.521
station CRDB:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 196.076
station HUEL:	antenna: LEIAR20 LEIM	receiver: LEICA GR50	height: 81.905
station LEBR:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 77.601
station MALA:	antenna: LEIAR25.R4 LEIT	receiver: LEICA GR25	height: 122.877
station MOFR:	antenna: TRM57971.00 TZGD	receiver: TRIMBLE NETR9	height: 276.415
station MOTR:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 166.934
station OSUN:	antenna: GPPNULLANTENNA NONE	receiver: TRIMBLE NETR9	height: 363.146
station RON1:	antenna: GPPNULLANTENNA NONE	receiver: TRIMBLE NETR9	height: 820.772
station SEV1:	antenna: TRM59900.00 SCIS	receiver: TRIMBLE NETR9	height: 69.752
station TAR0:	antenna: LEIAR20 LEIM	receiver: LEICA GR25	height: 50.076
station UCA1:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 67.718

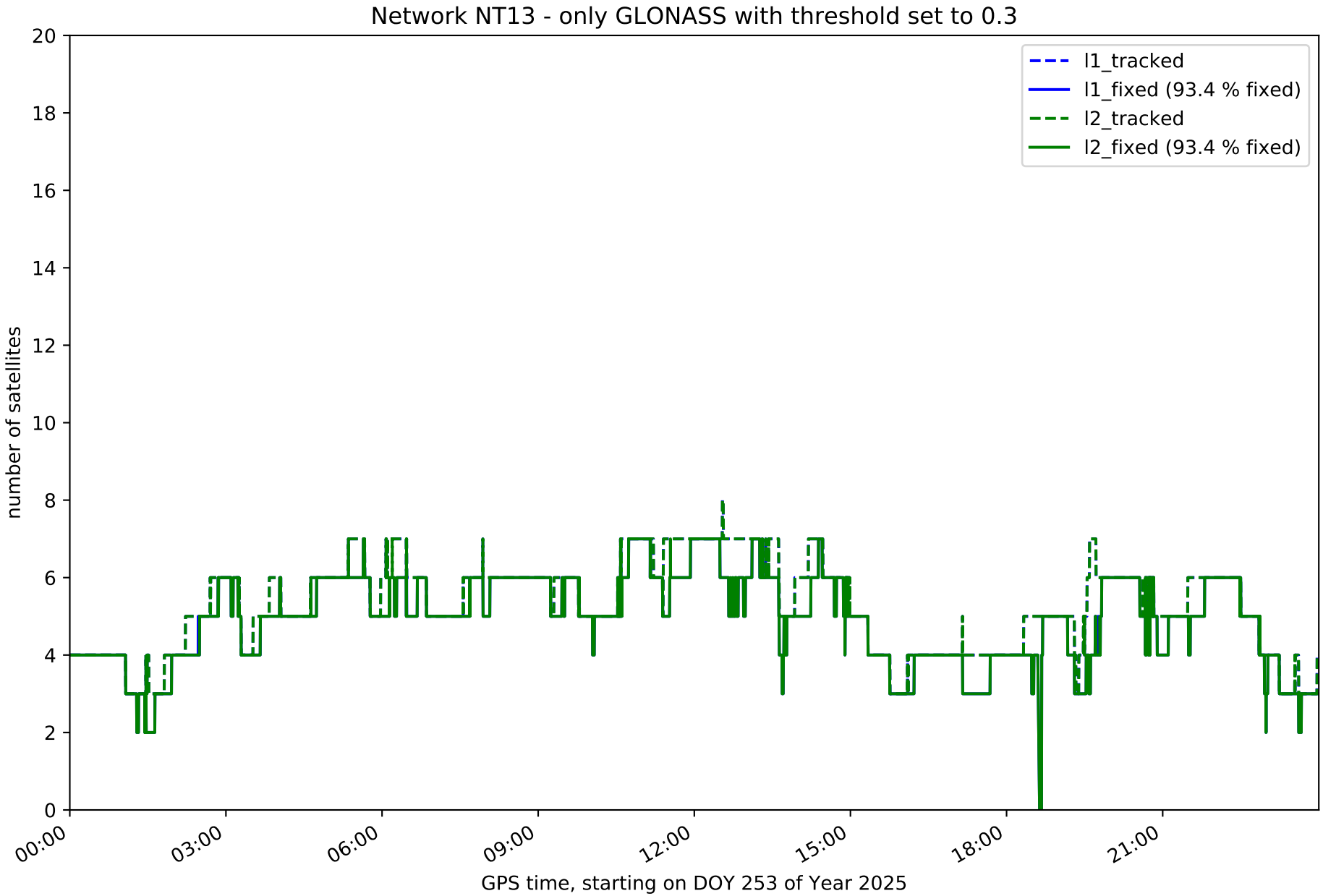

Processing rate in network NT13
time difference to next processed epoch [s]
0
2
4
6
8
10
12
14
16
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 253 of Year 2025

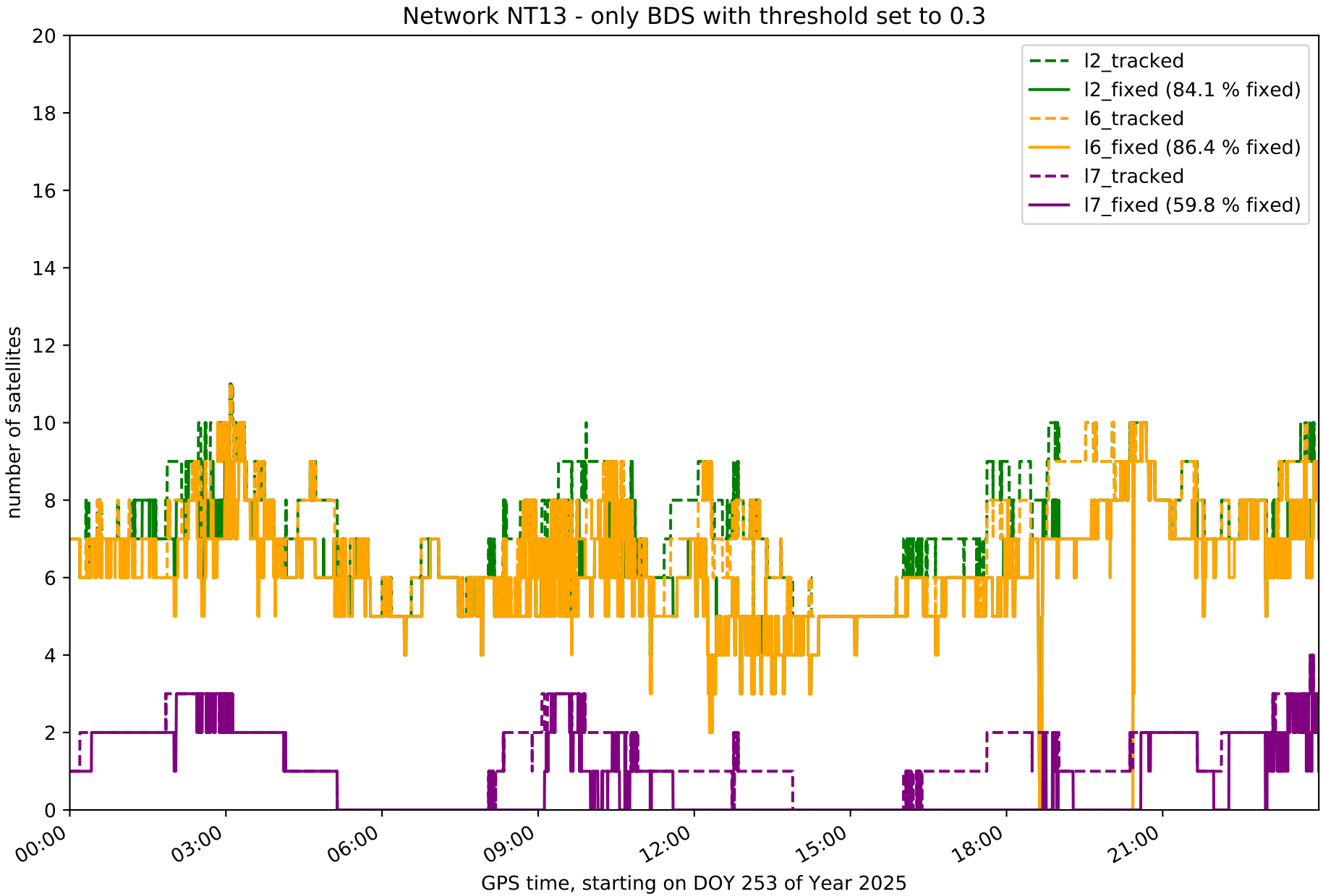

Histogram of the processing rate in network NT13 (durations larger 15 seconds neglected)
number of epochs
0
10000
20000
30000
40000
50000
1
2
3
4
5
6
7
8
9
10
11
12
time difference to next processed epoch [s]

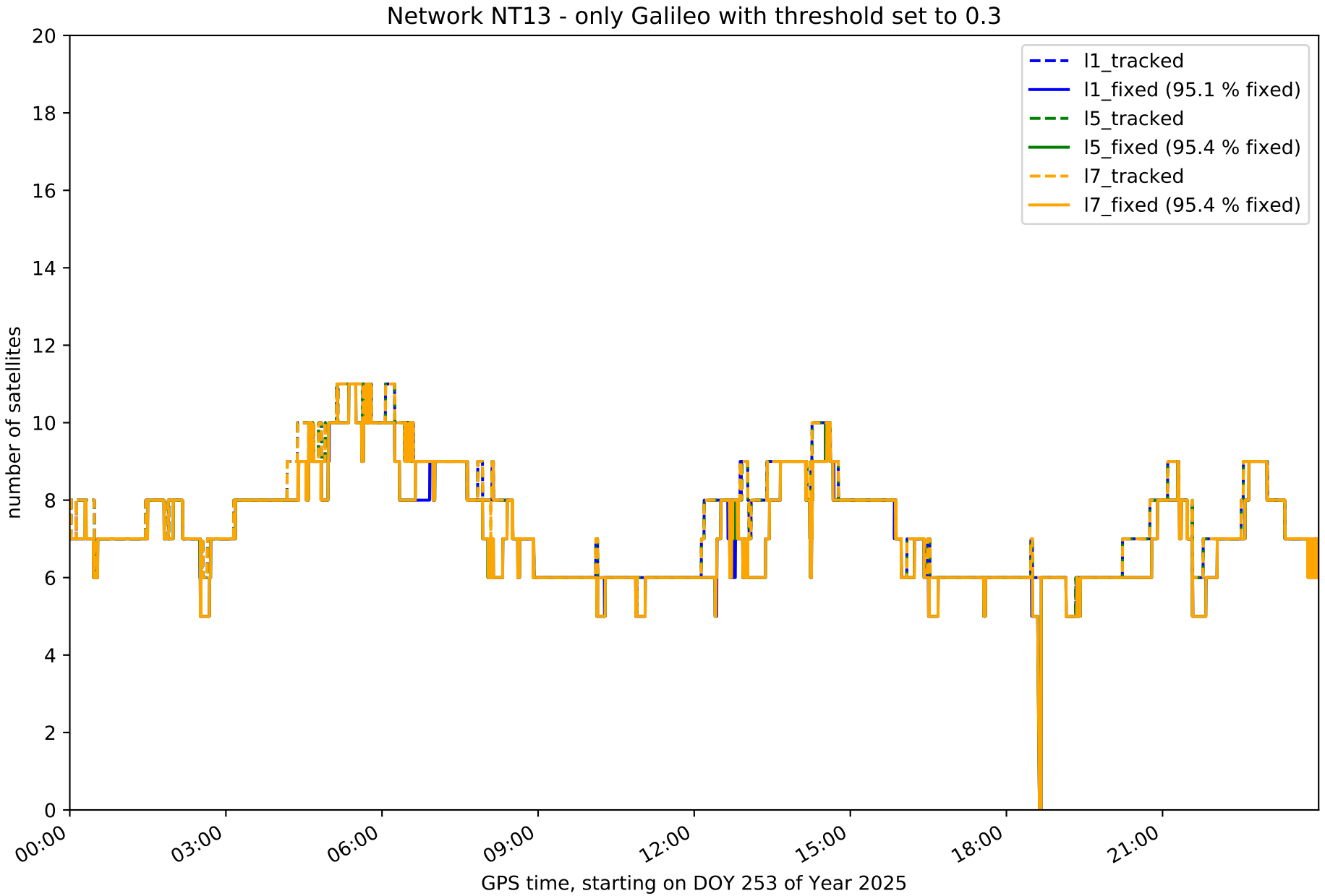

Network NT13 with threshold set to 0.3
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
40
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 253 of Year 2025

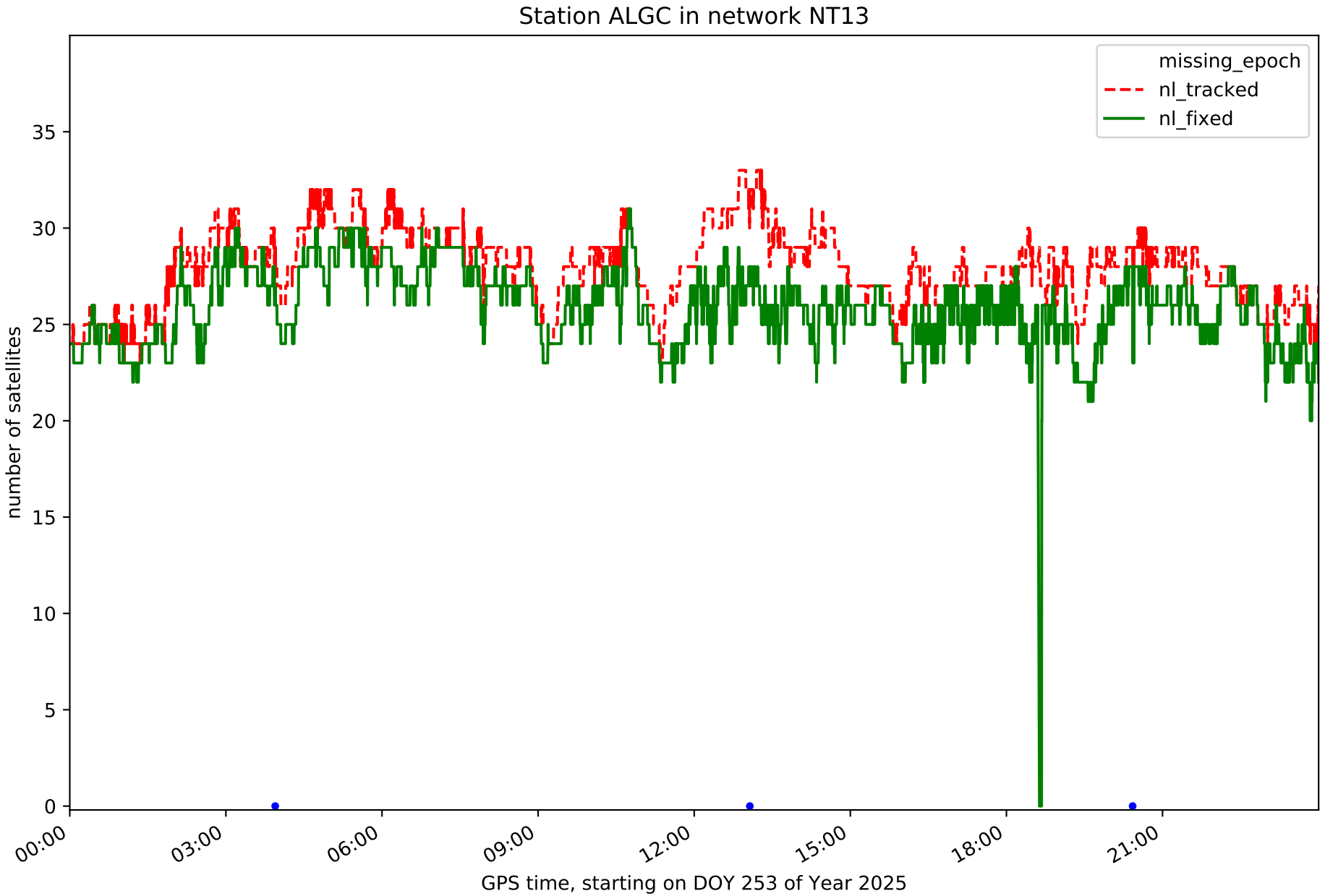

Fixing percentage of satellites in network NT13 with threshold set to 0.3
percentage fixed to tracked
100
90
80
70
60
50
40
30
20
10
0
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 253 of Year 2025

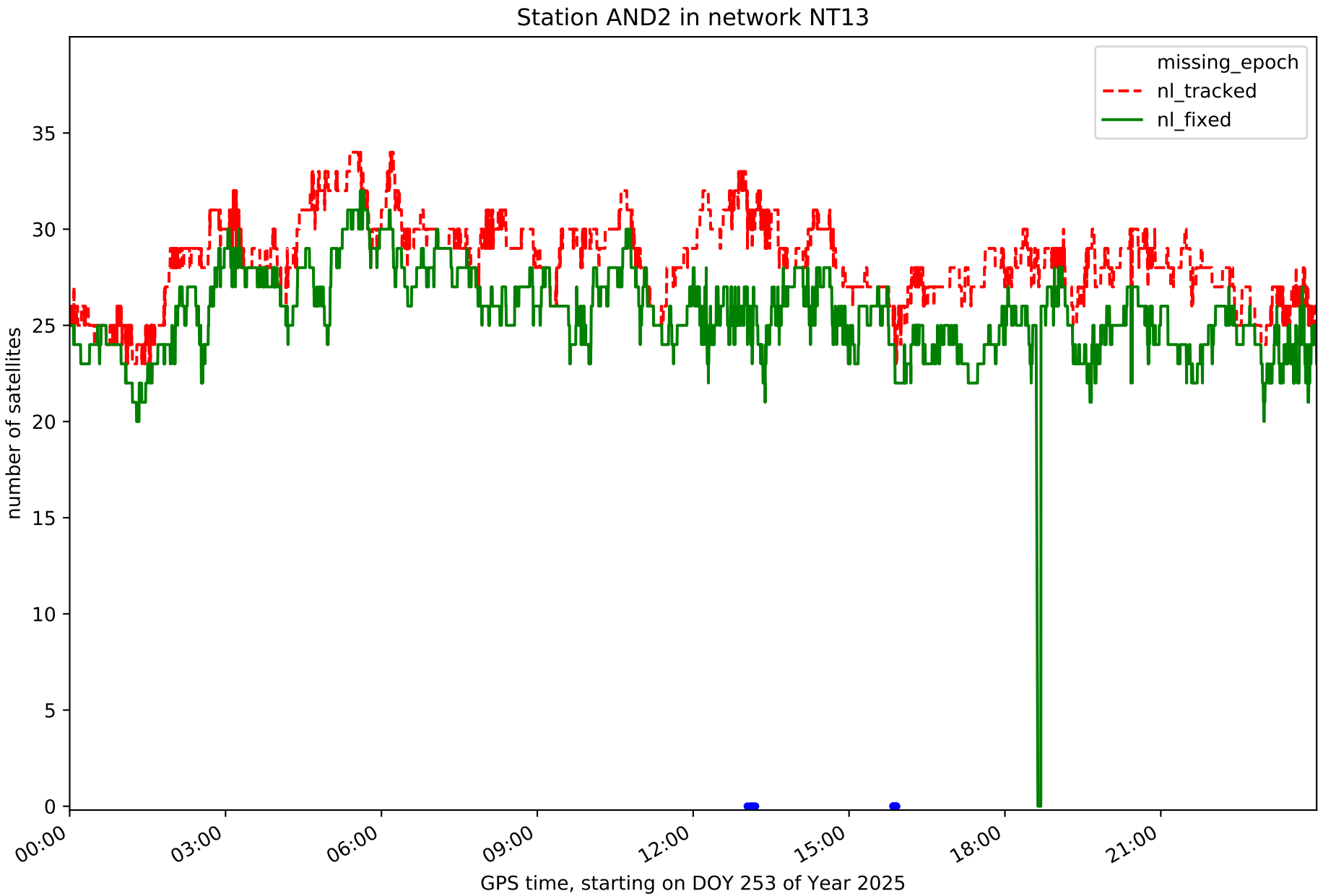

Network NT13 - only GPS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 253 of Year 2025
l1_tracked
l1_fixed (93.7 % fixed)
l2_tracked
l2_fixed (93.4 % fixed)
l5_tracked
l5_fixed (93.6 % fixed)
0
2
4
6
8
10
12
14
16
18
20
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00

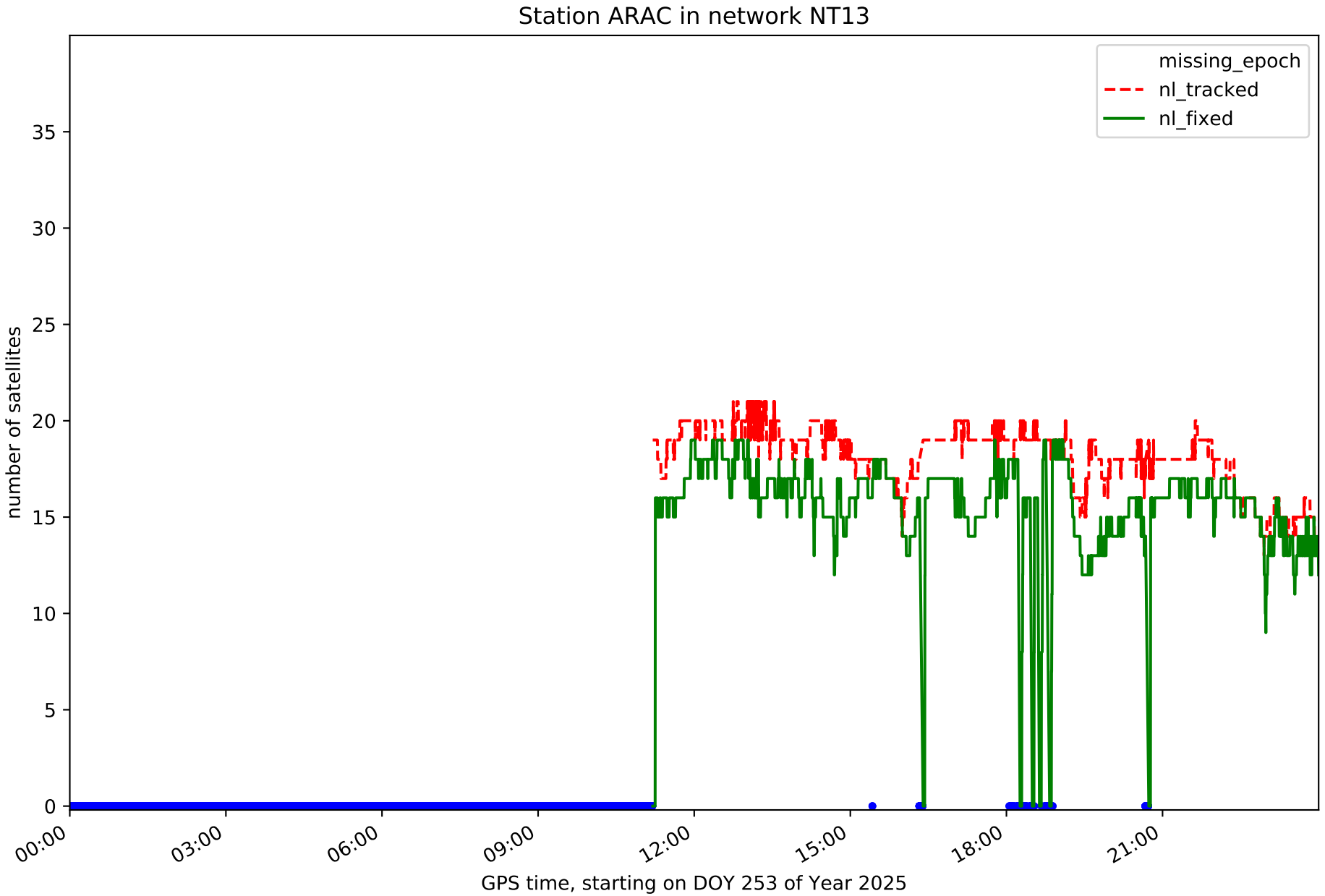

Network NT13 - only GLONASS with threshold set to 0.3
l1_tracked
l1_fixed (93.4 % fixed)
l2_tracked
l2_fixed (93.4 % fixed)
number of satellites
0
2
4
6
8
10
12
14
16
18
20
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 253 of Year 2025

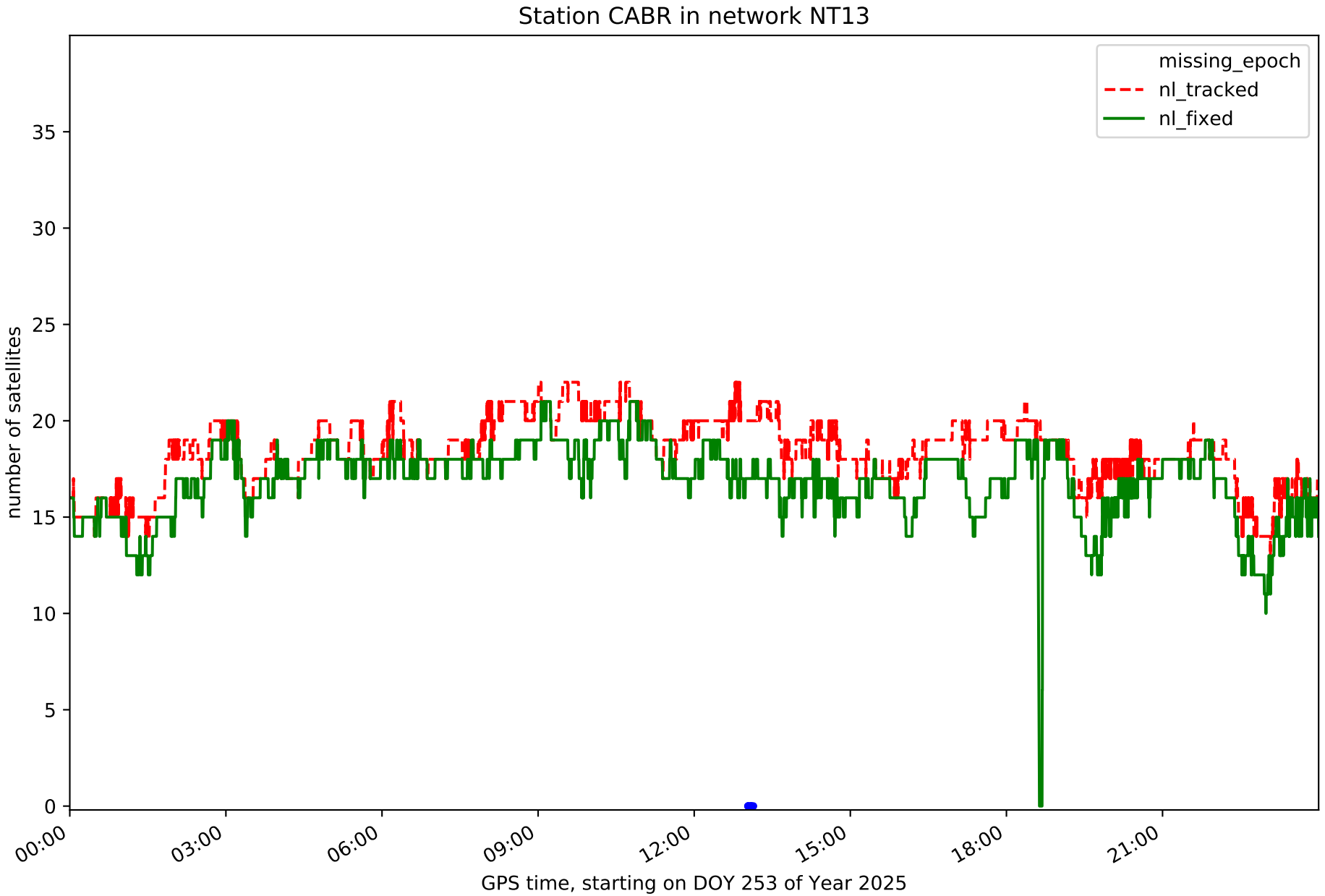

Network NT13 - only BDS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 253 of Year 2025
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
I2_tracked
I2_fixed (84.1 % fixed)
I6_tracked
I6_fixed (86.4 % fixed)
I7_tracked
I7_fixed (59.8 % fixed)

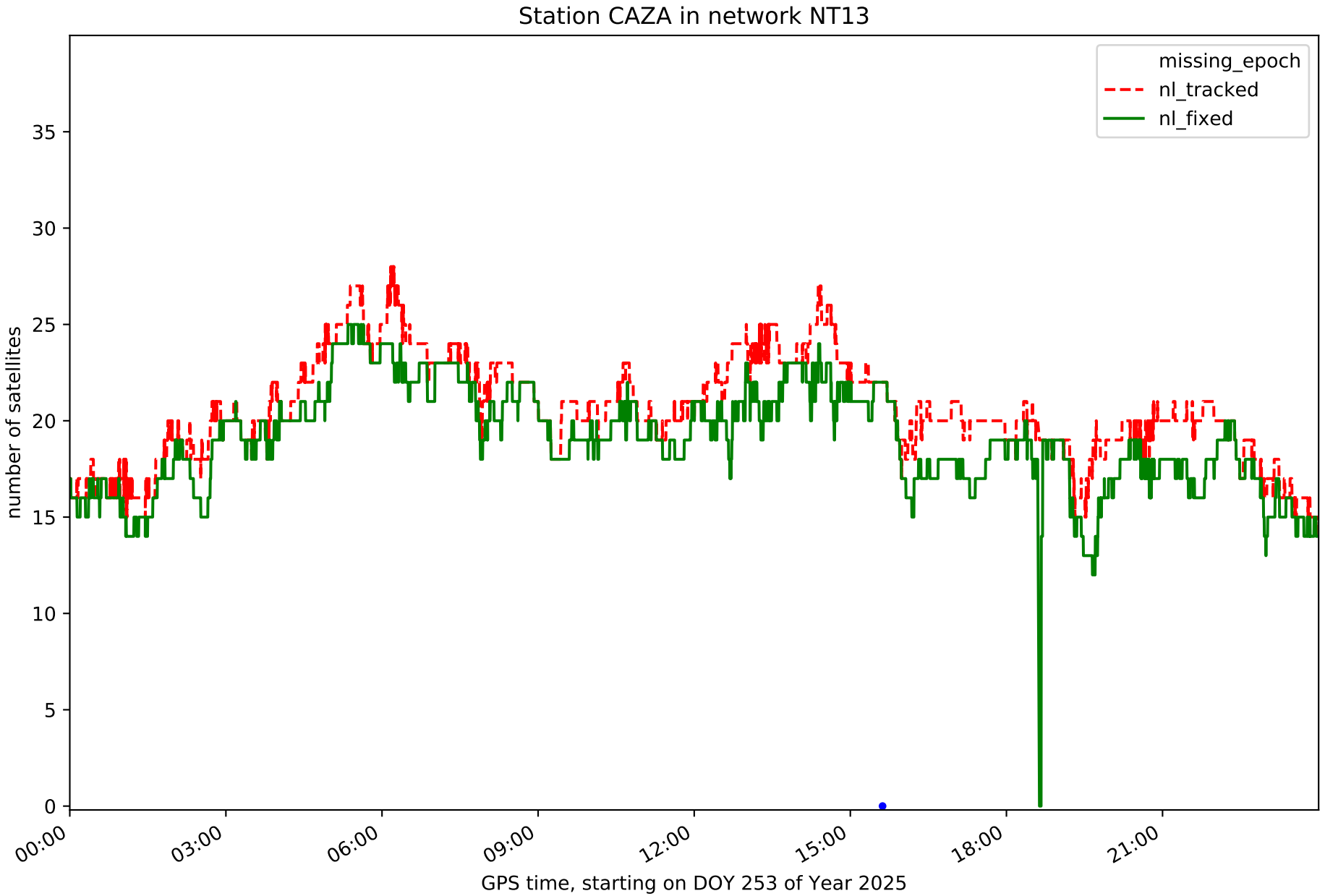

Network NT13 - only Galileo with threshold set to 0.3
number of satellites
GPS time, starting on DOY 253 of Year 2025
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
l1_tracked
l1_fixed (95.1 % fixed)
l5_tracked
l5_fixed (95.4 % fixed)
l7_tracked
l7_fixed (95.4 % fixed)

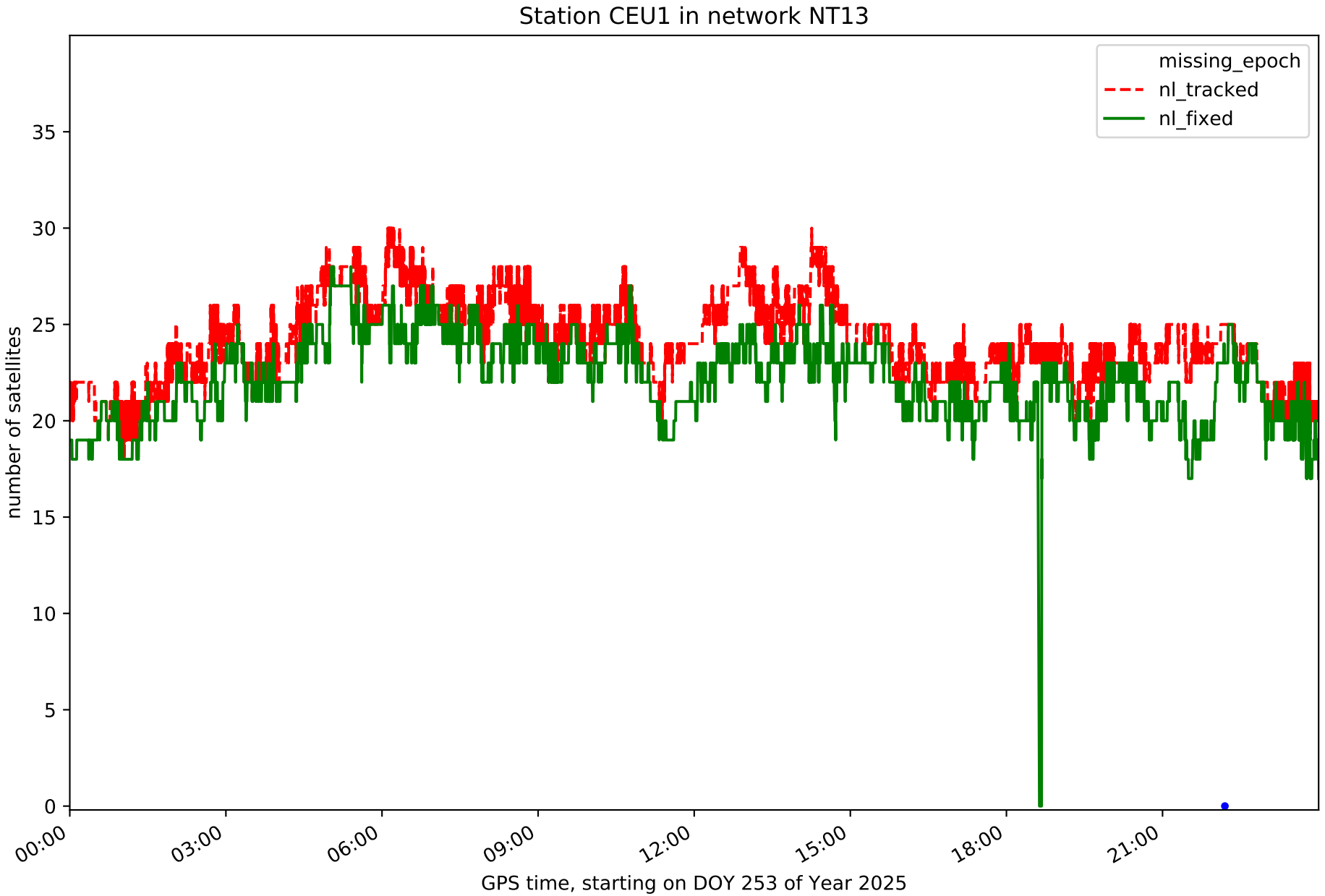

Station ALGC in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 253 of Year 2025

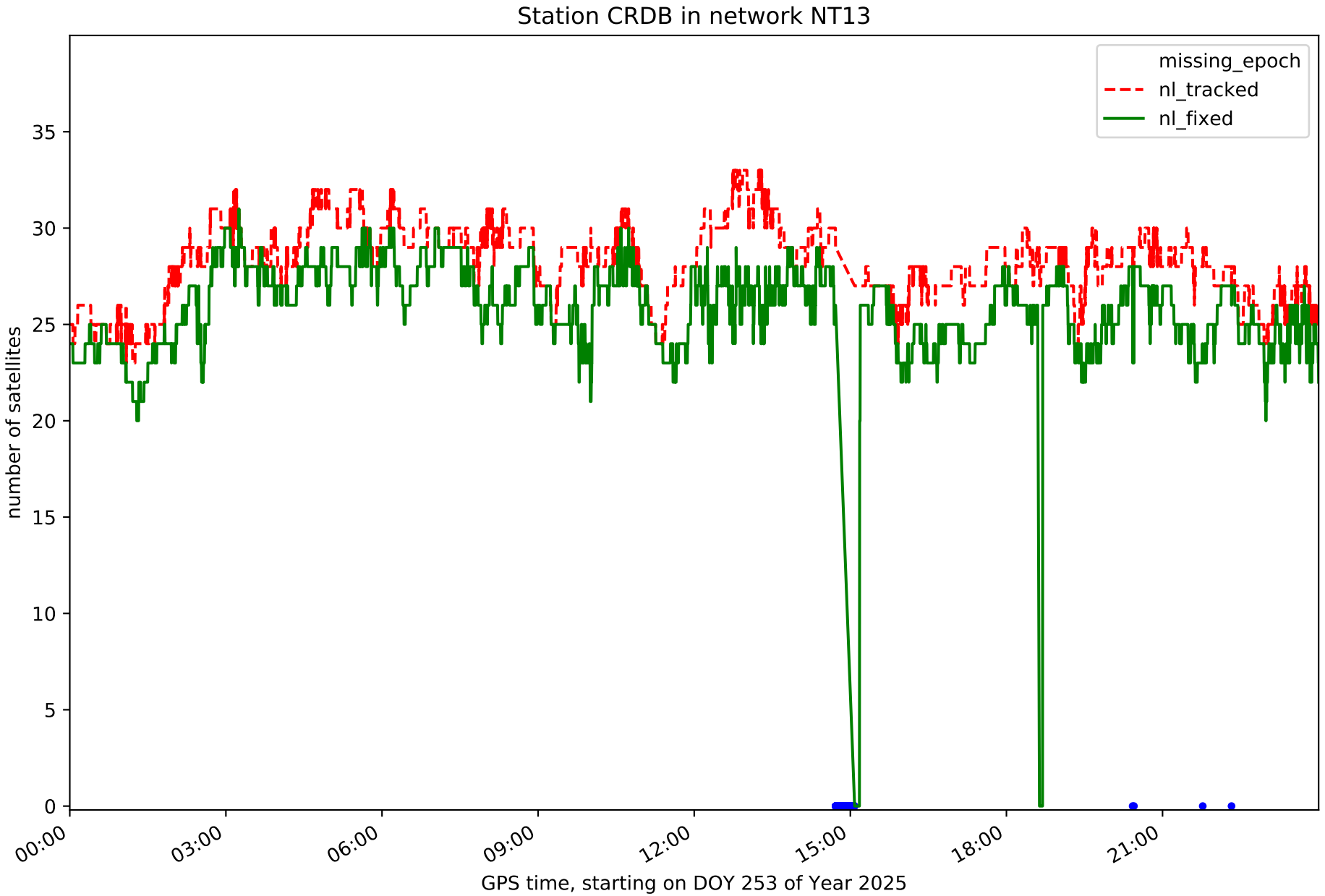

Station AND2 in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 253 of Year 2025

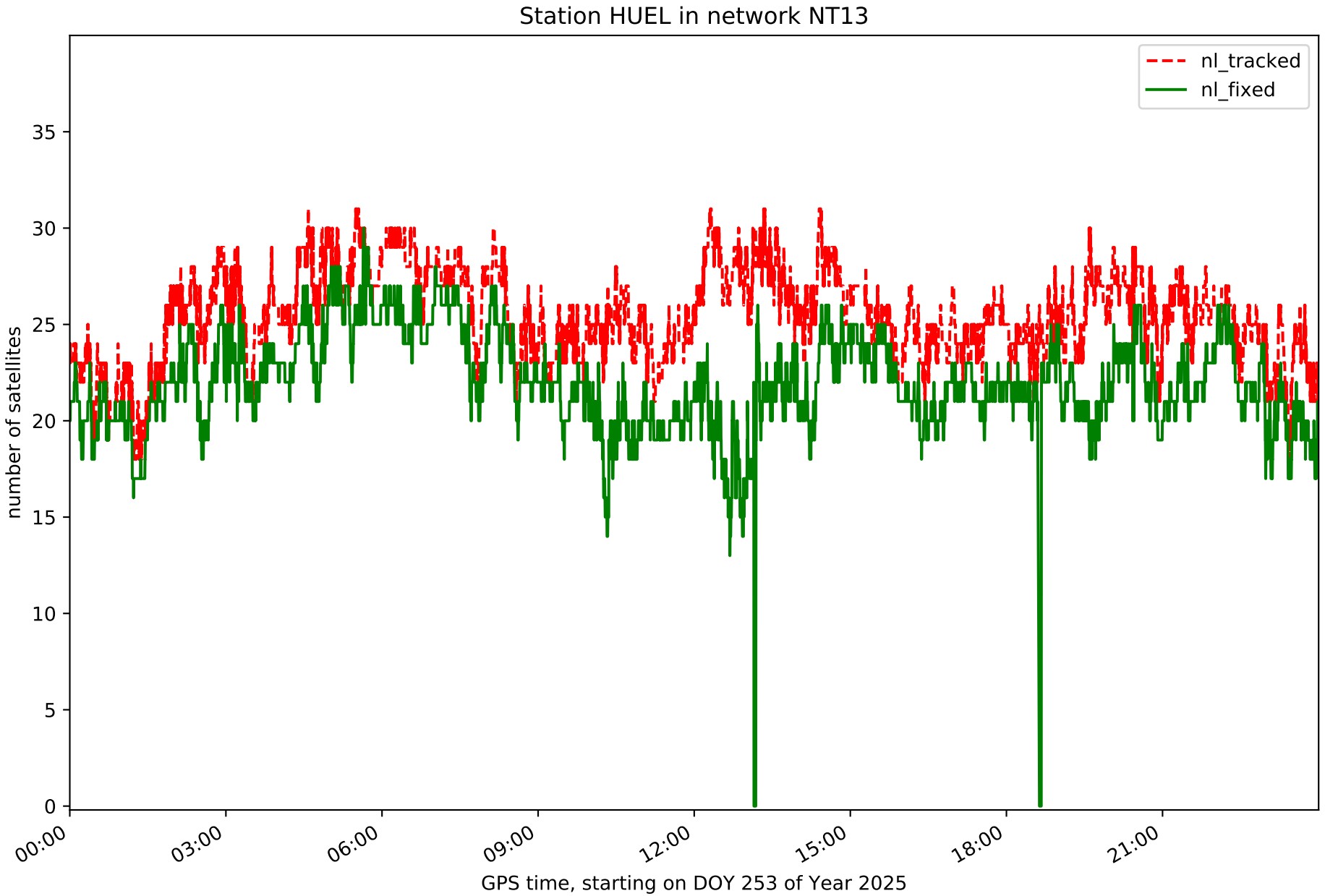

Station ARAC in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 253 of Year 2025

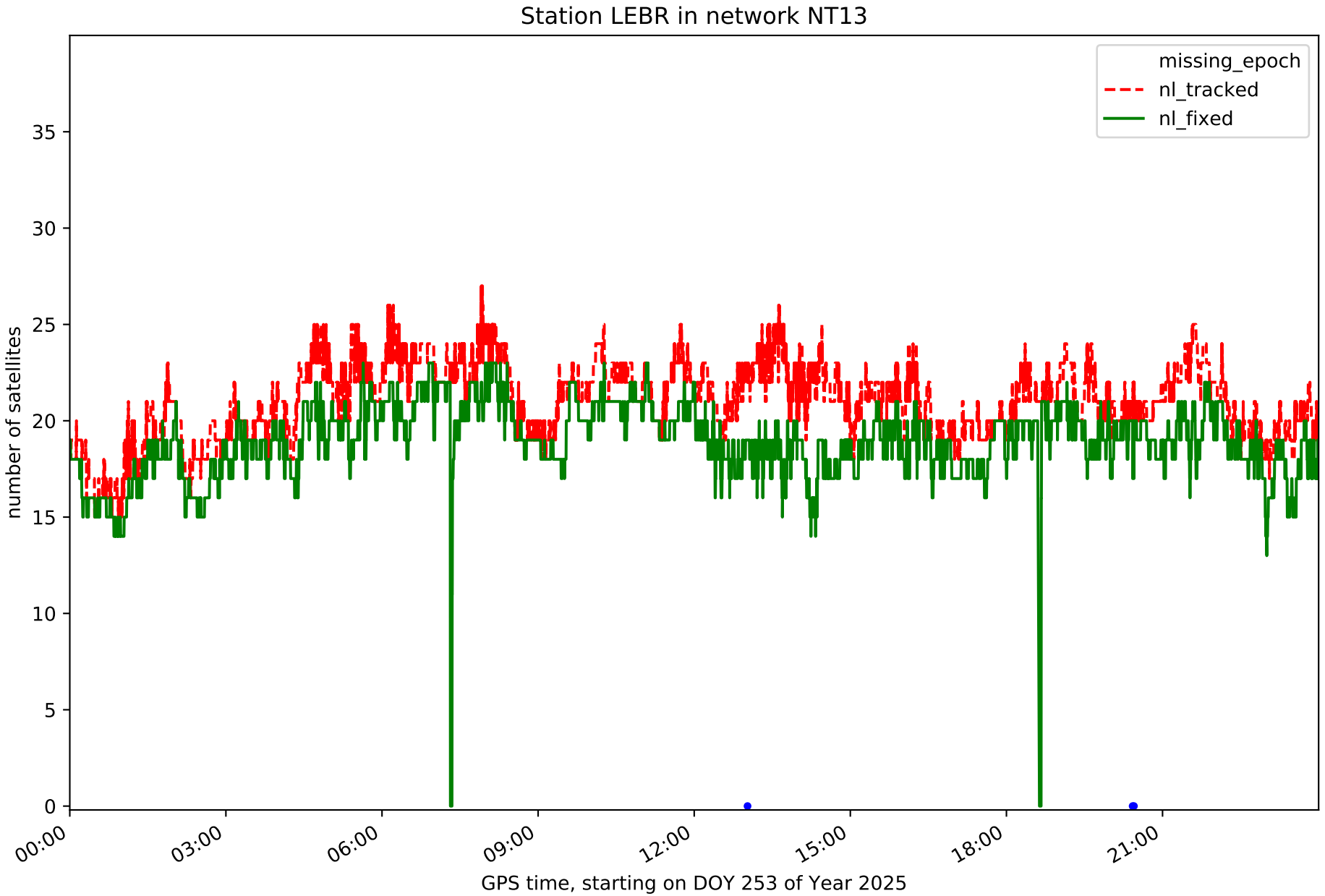

Station CABR in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 253 of Year 2025

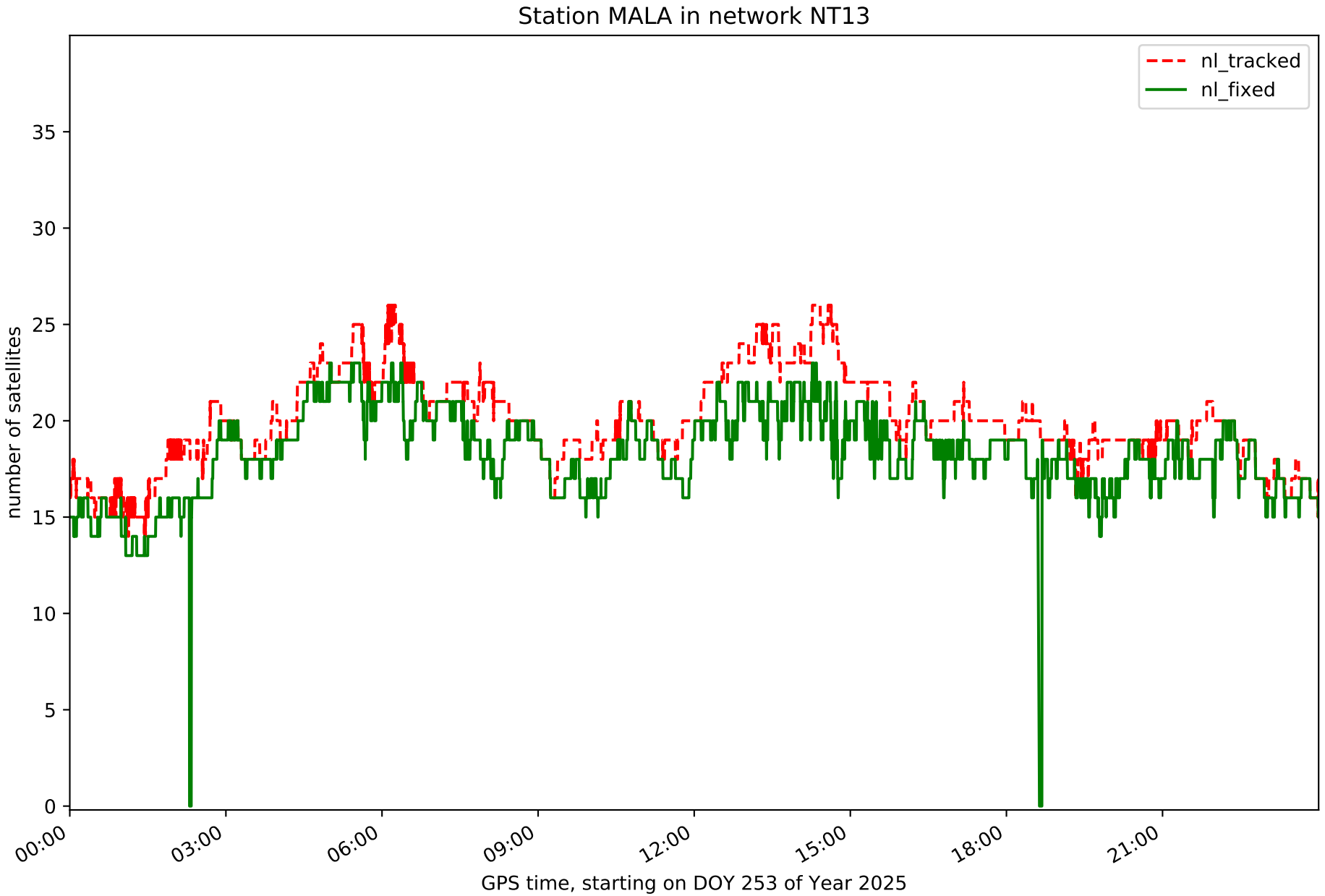

Station CAZA in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 253 of Year 2025

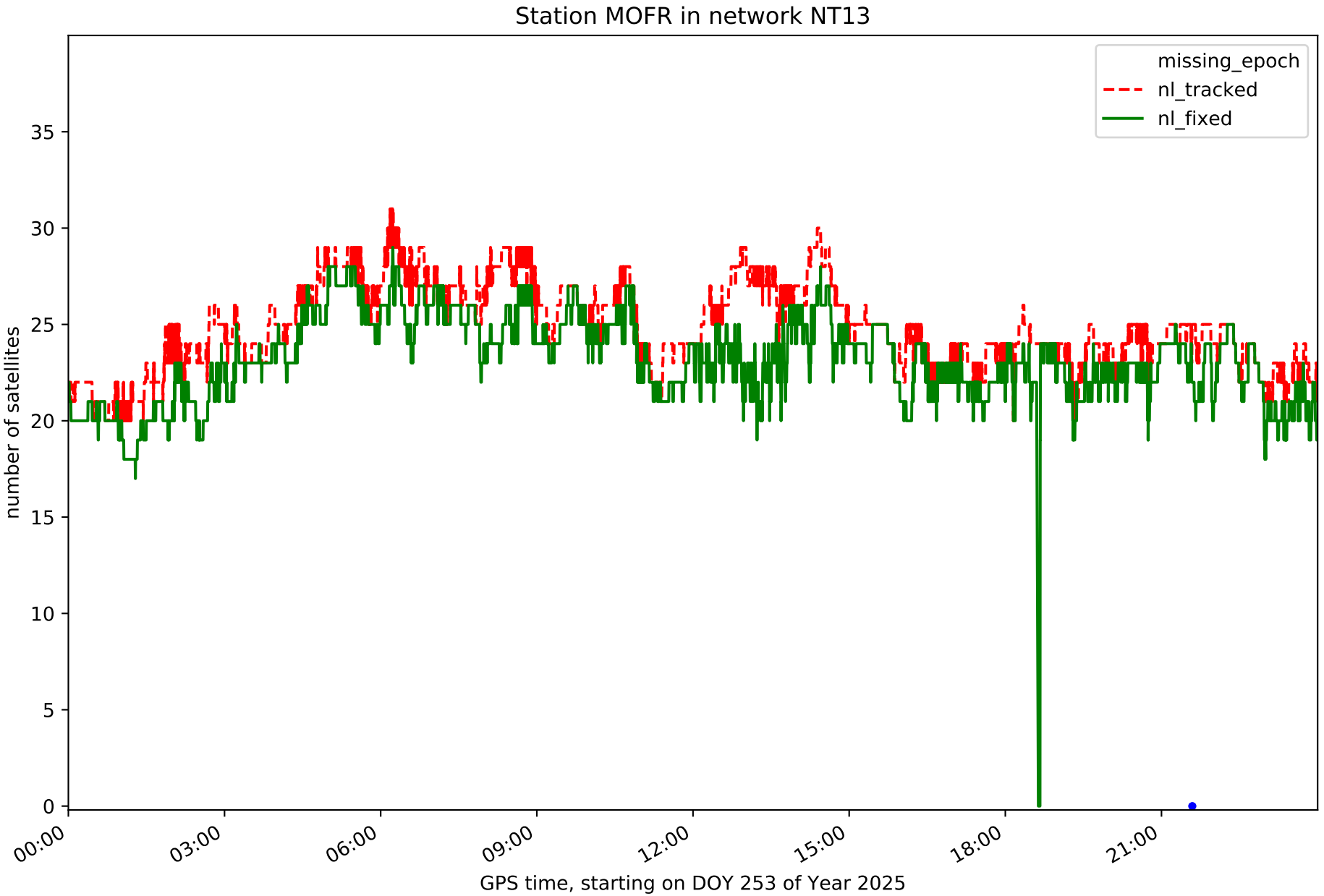

Station CEU1 in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 253 of Year 2025

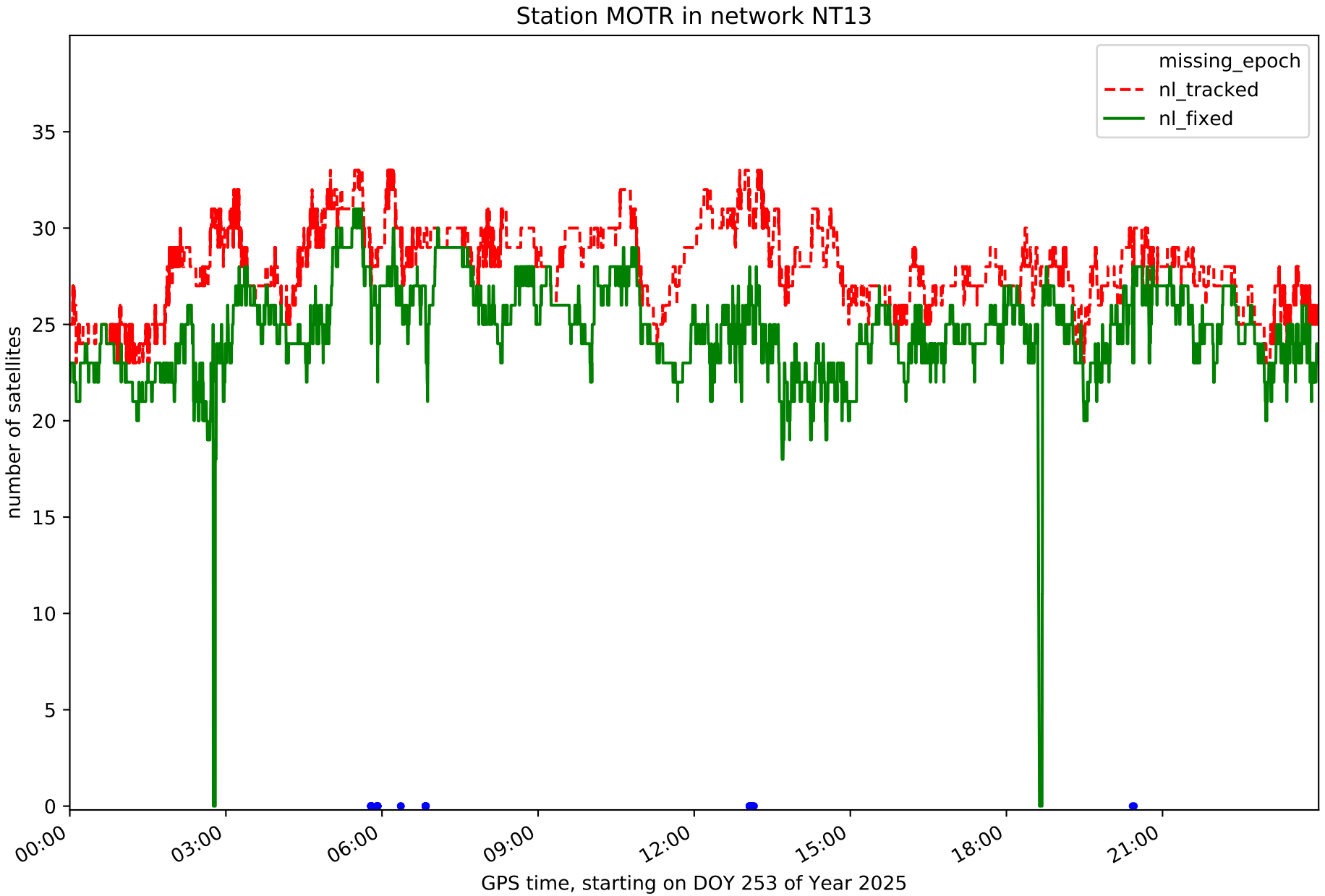

Station CRDB in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 253 of Year 2025

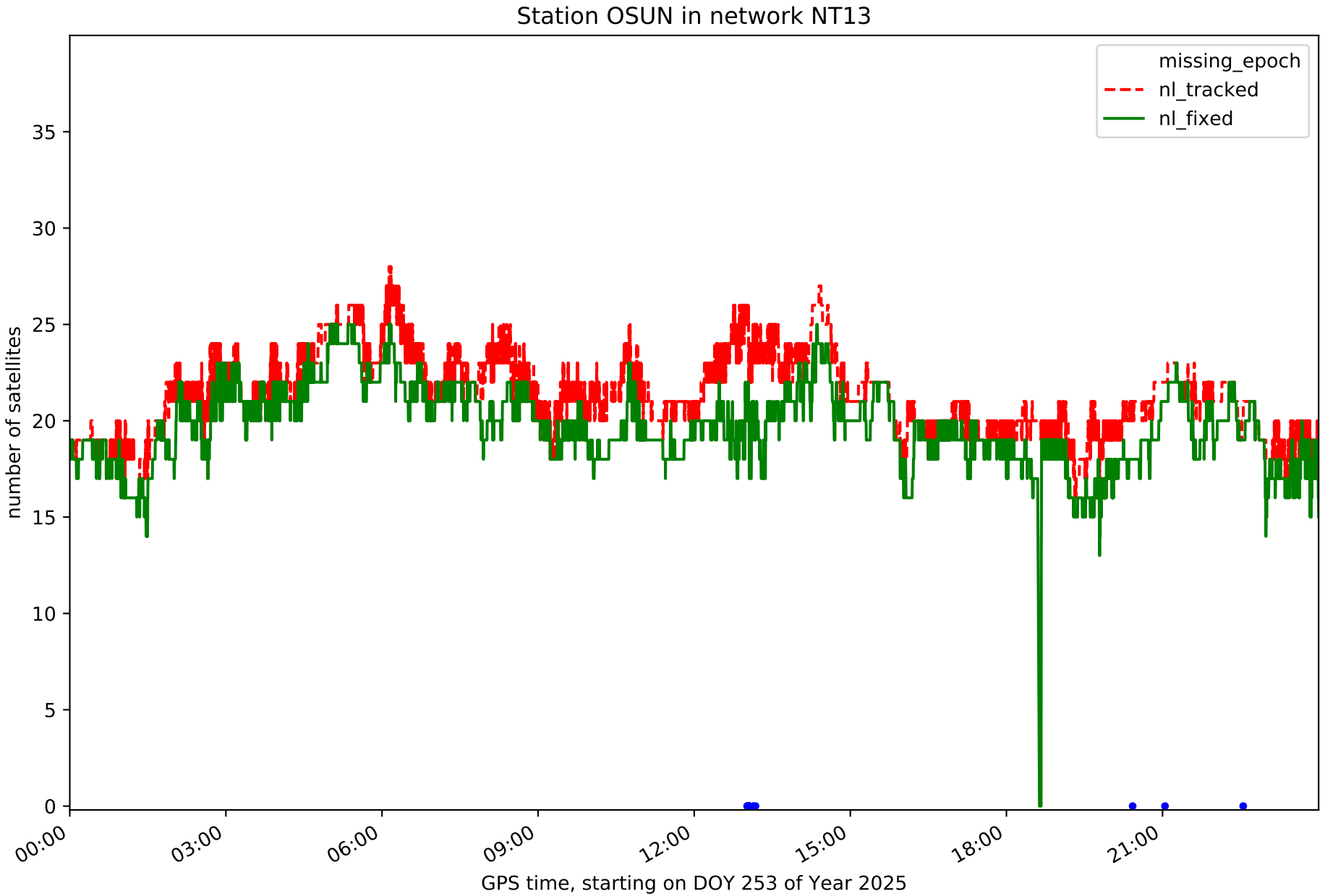

Station HUEL in network NT13
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 253 of Year 2025

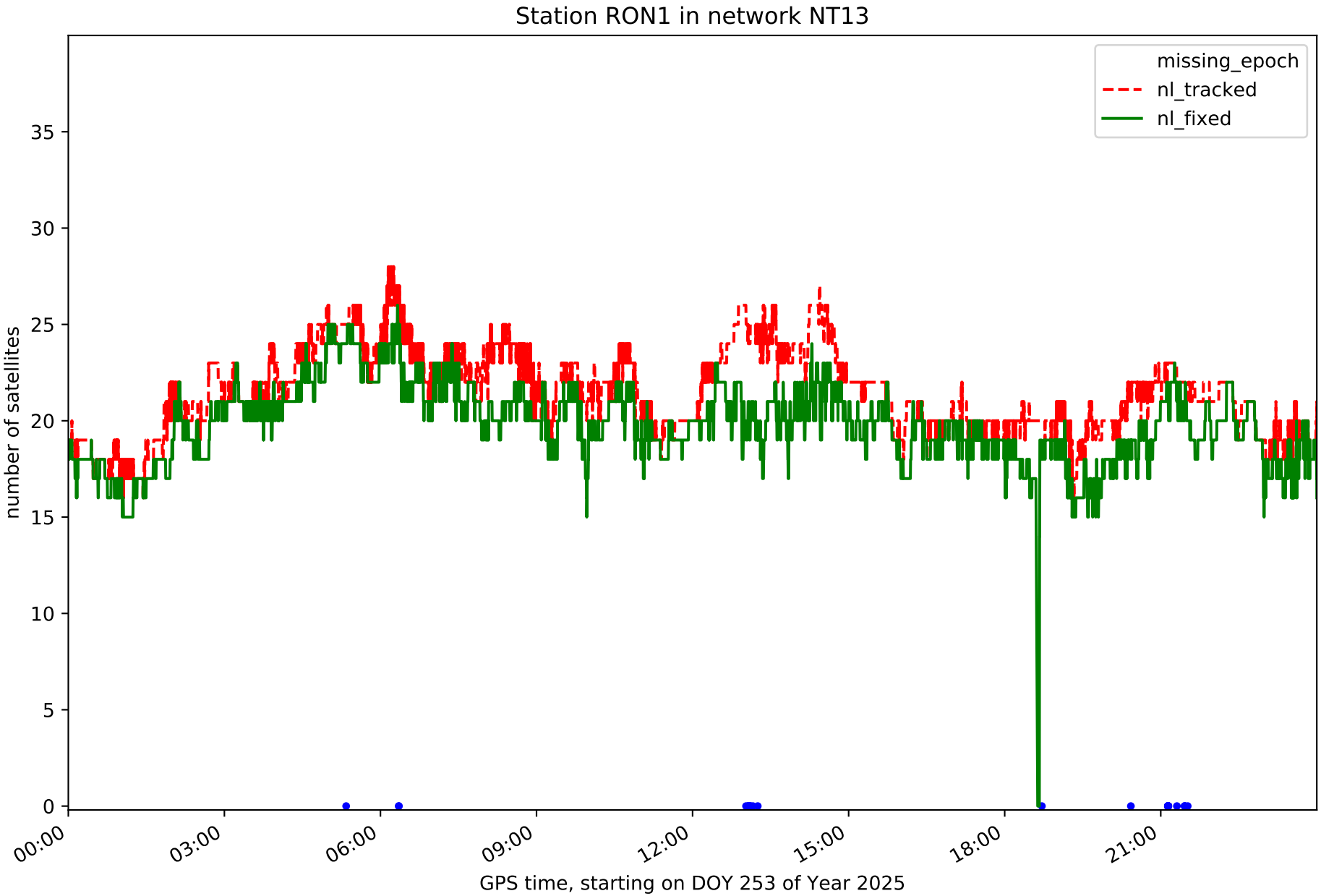

Station LEBR in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 253 of Year 2025

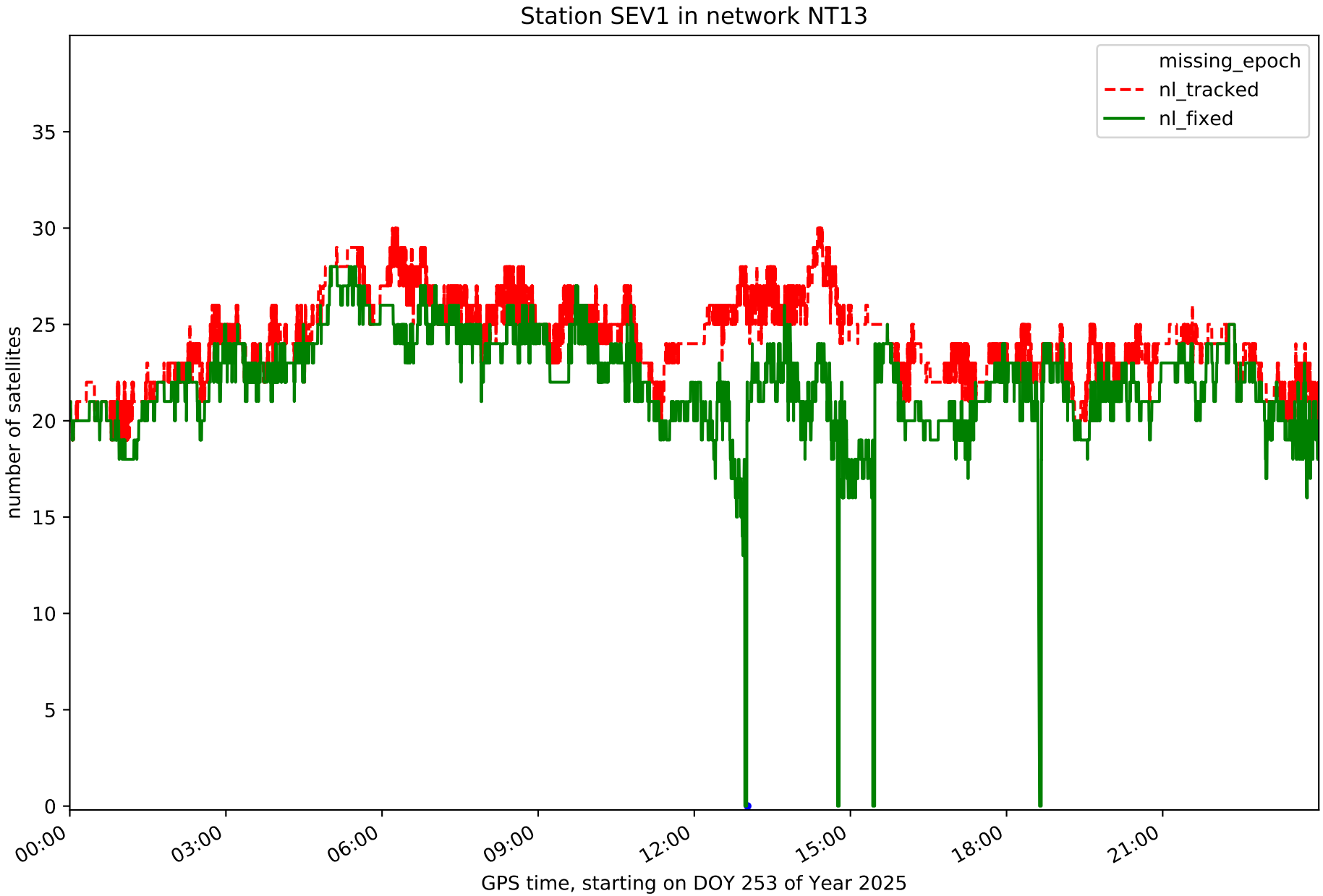

Station MALA in network NT13
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 253 of Year 2025

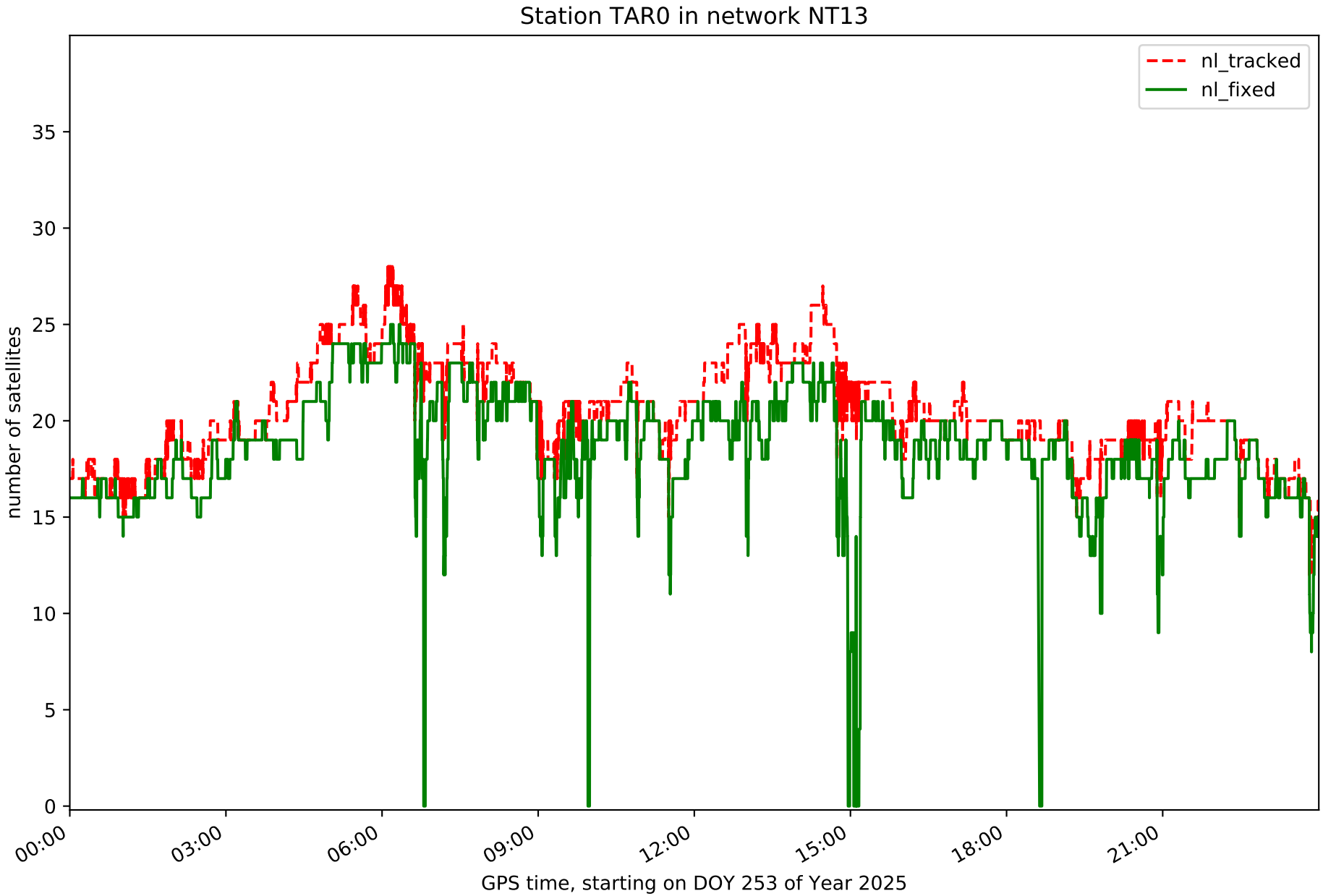

Station MOFR in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 253 of Year 2025

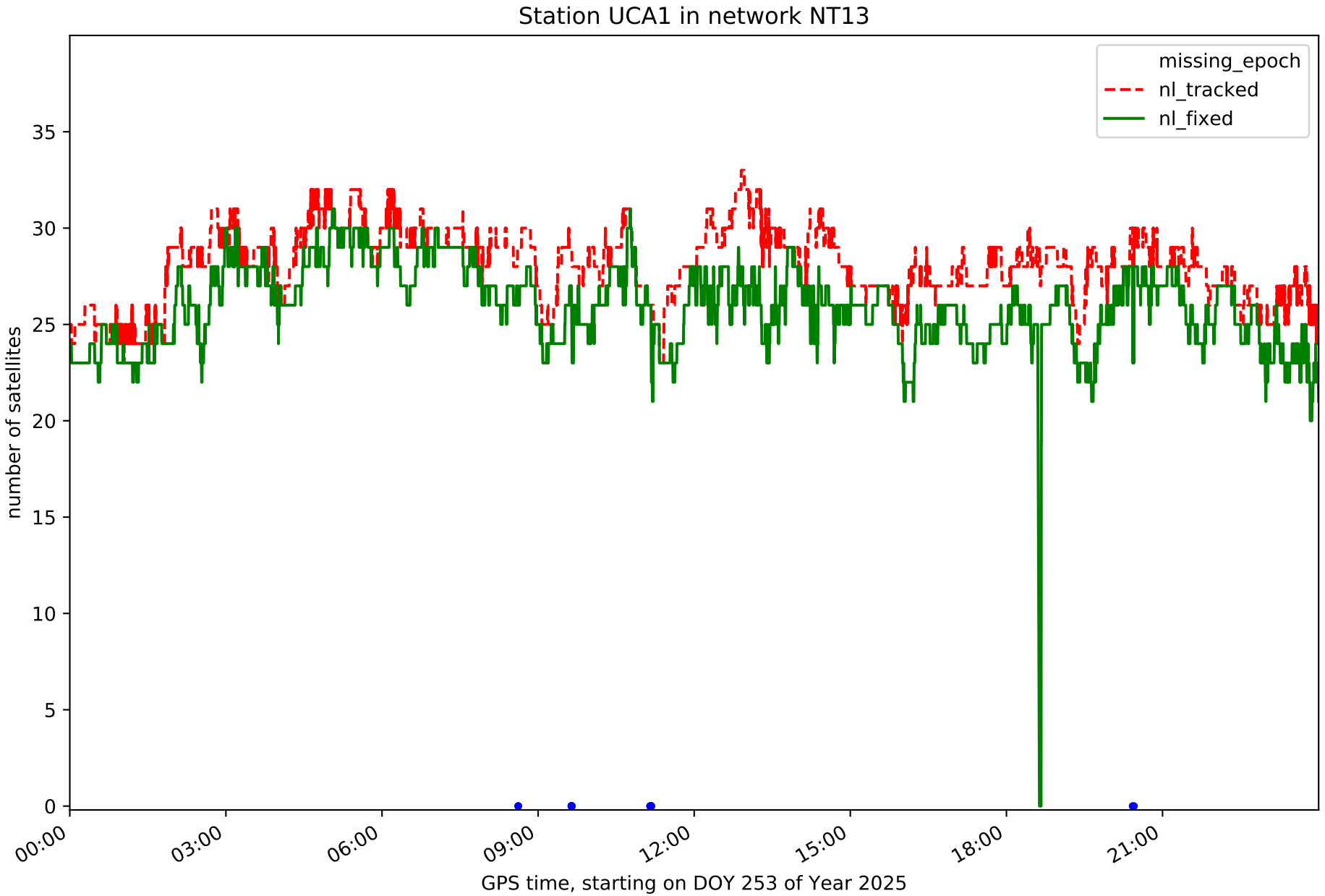

Station MOTR in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 253 of Year 2025

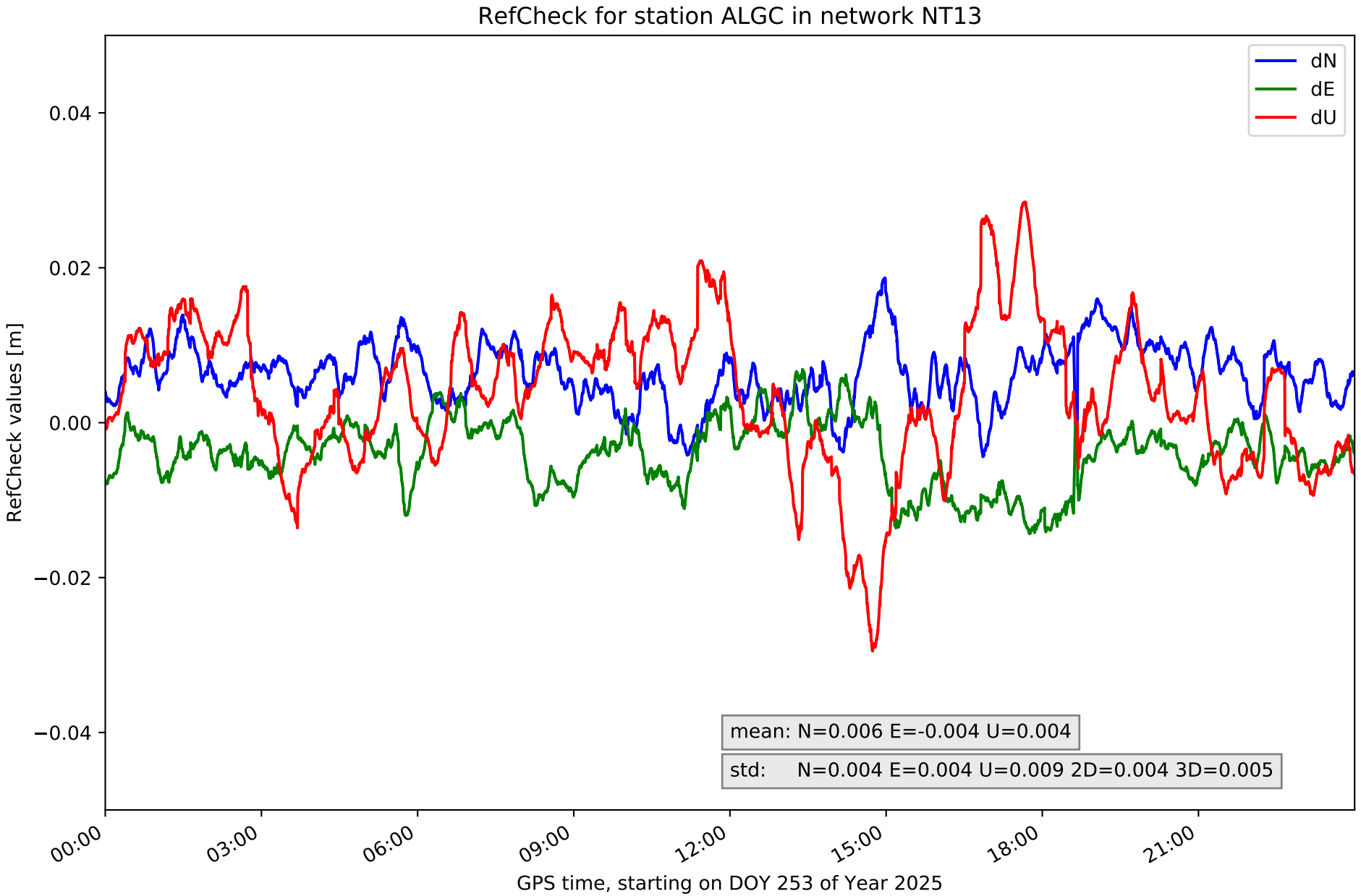

Station OSUN in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 253 of Year 2025

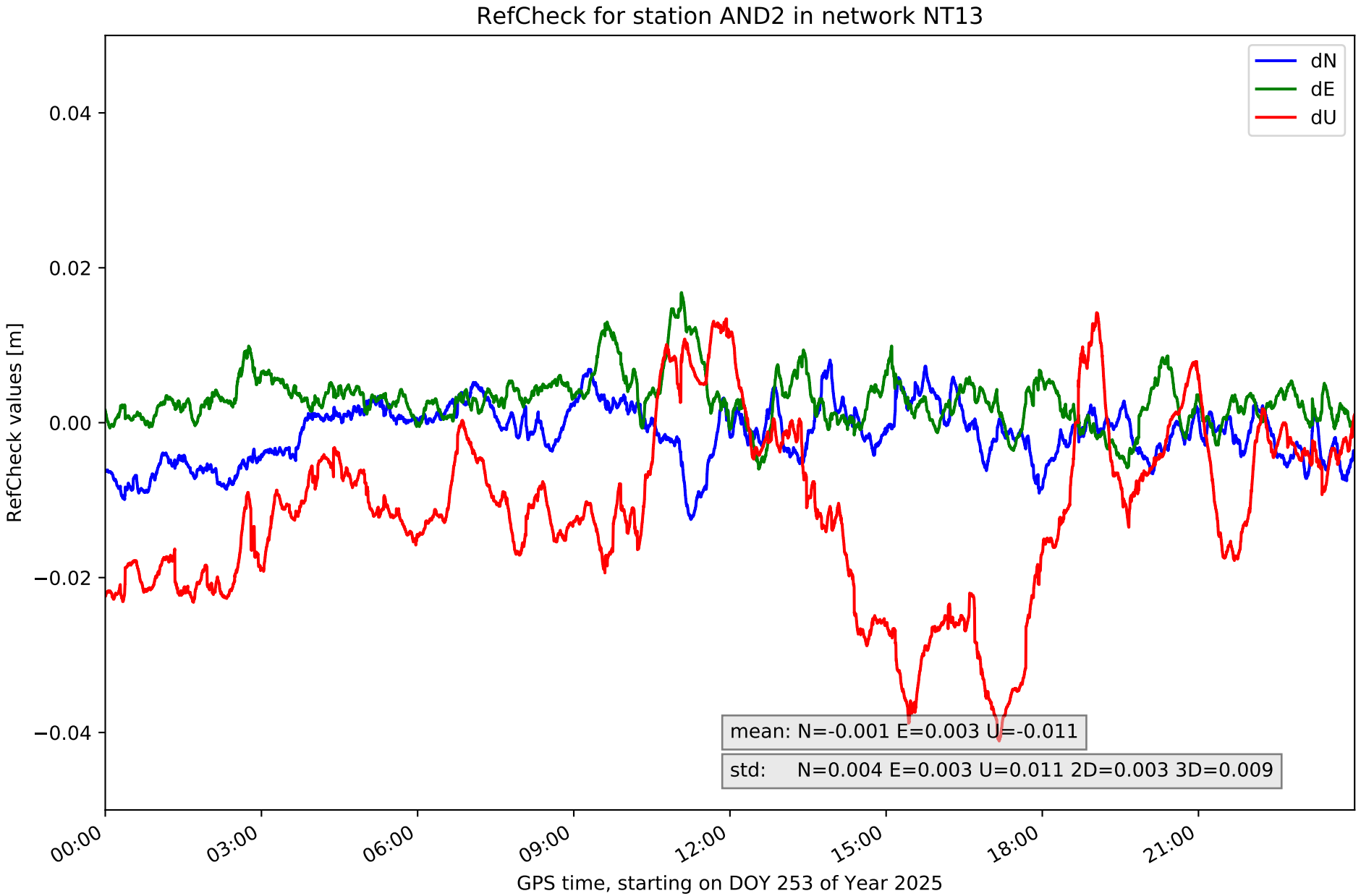

Station RON1 in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 253 of Year 2025

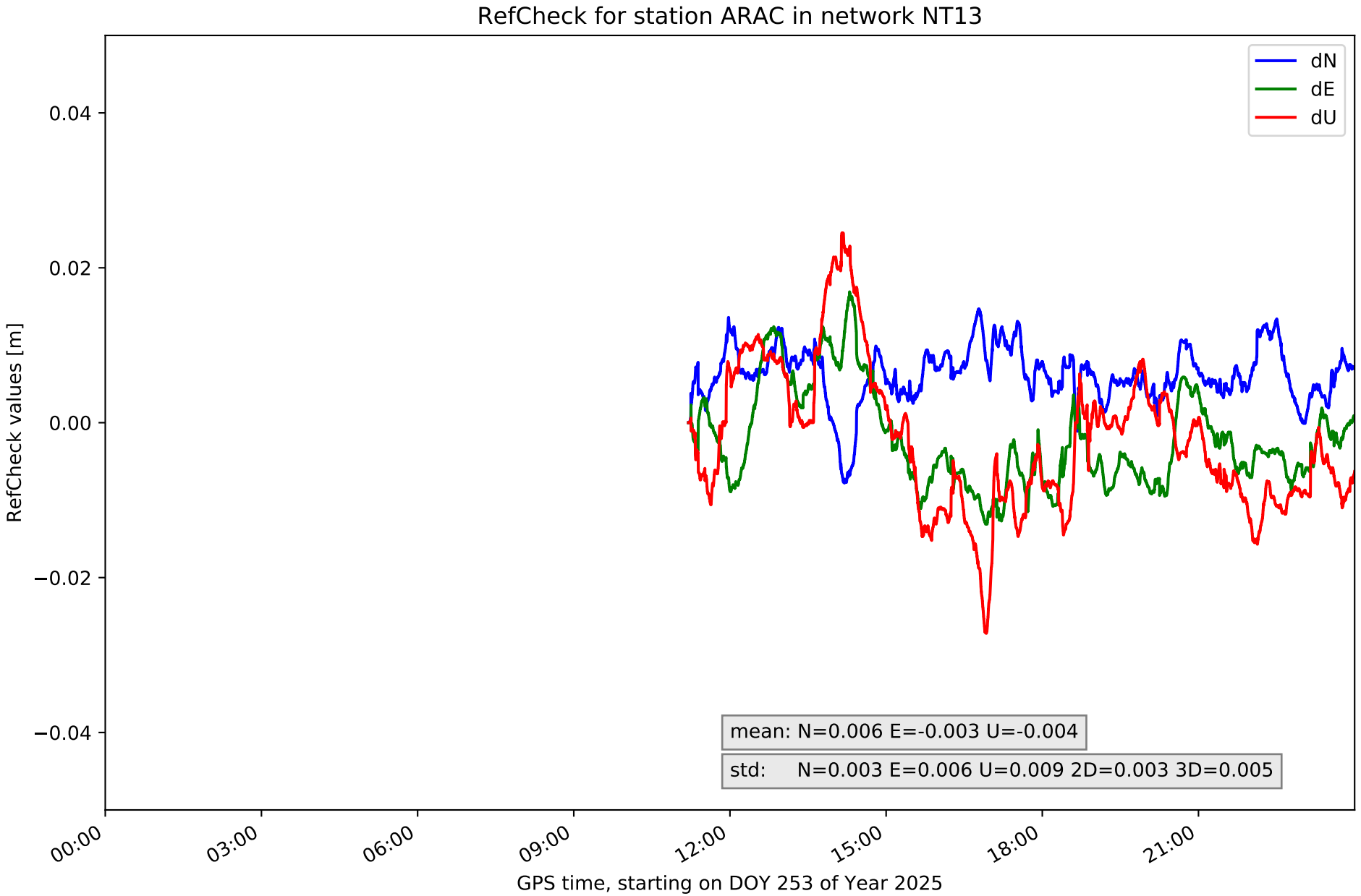

Station SEV1 in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 253 of Year 2025

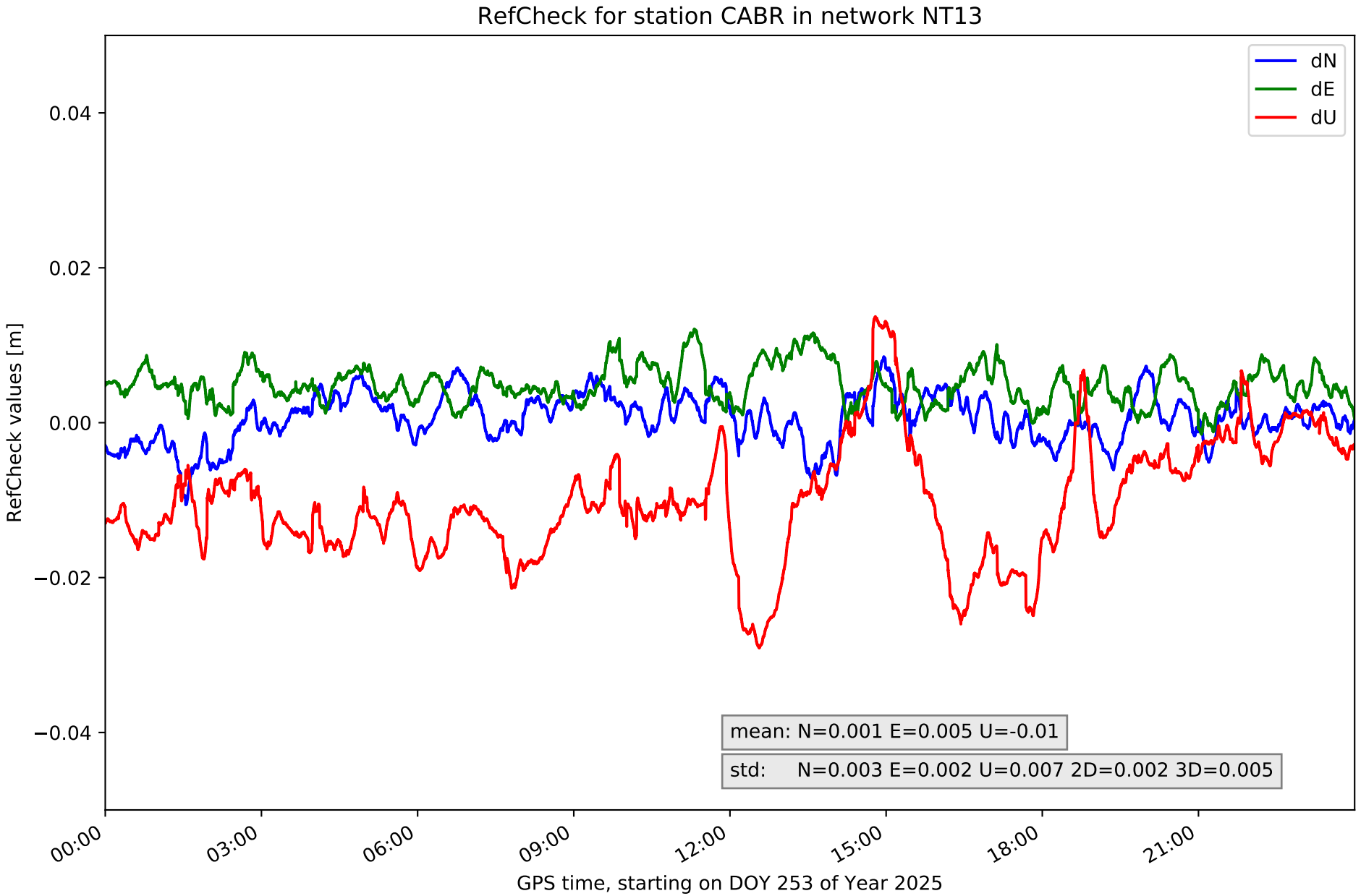

Station TAR0 in network NT13
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 253 of Year 2025

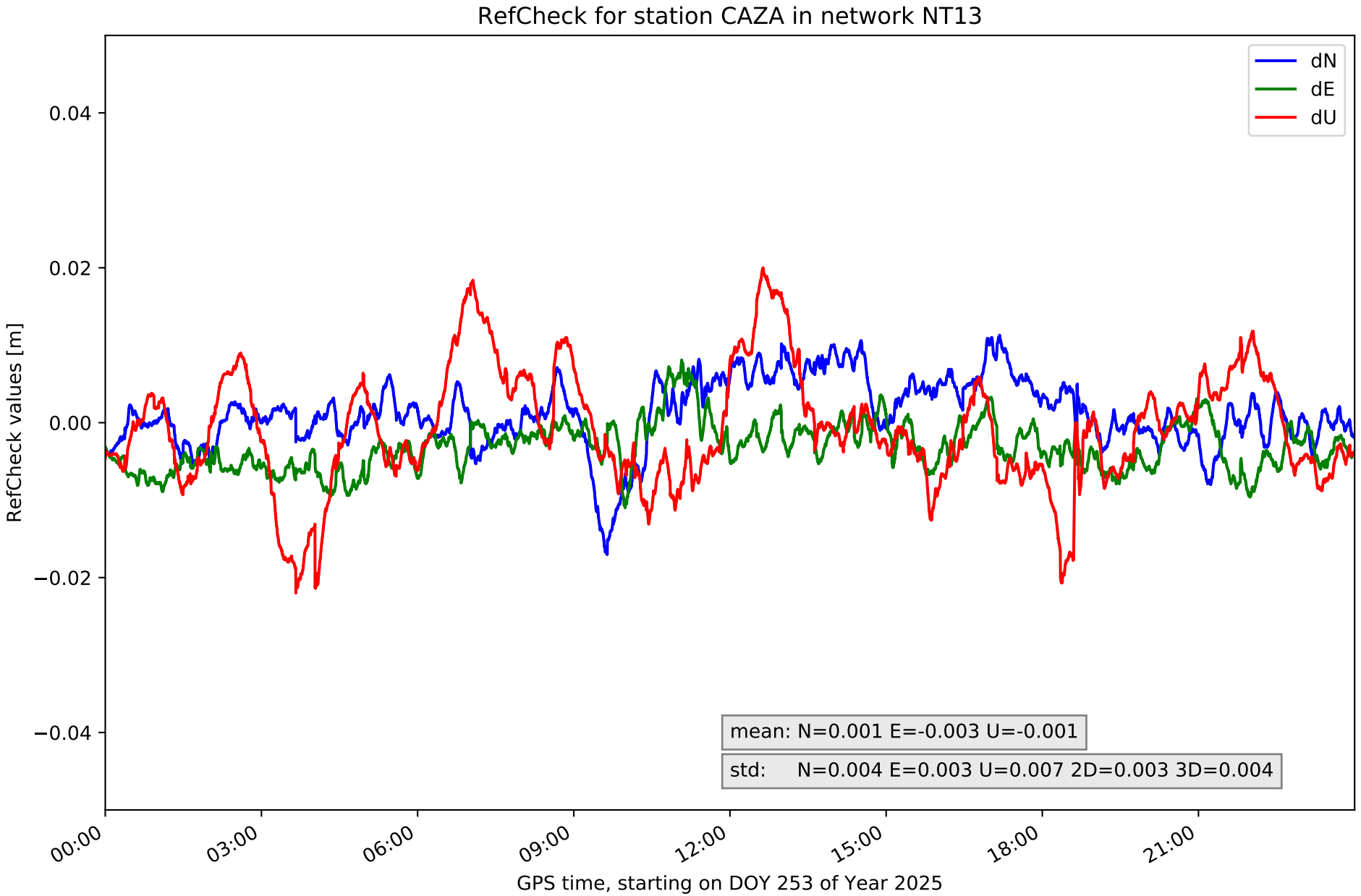

Station UCA1 in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 253 of Year 2025

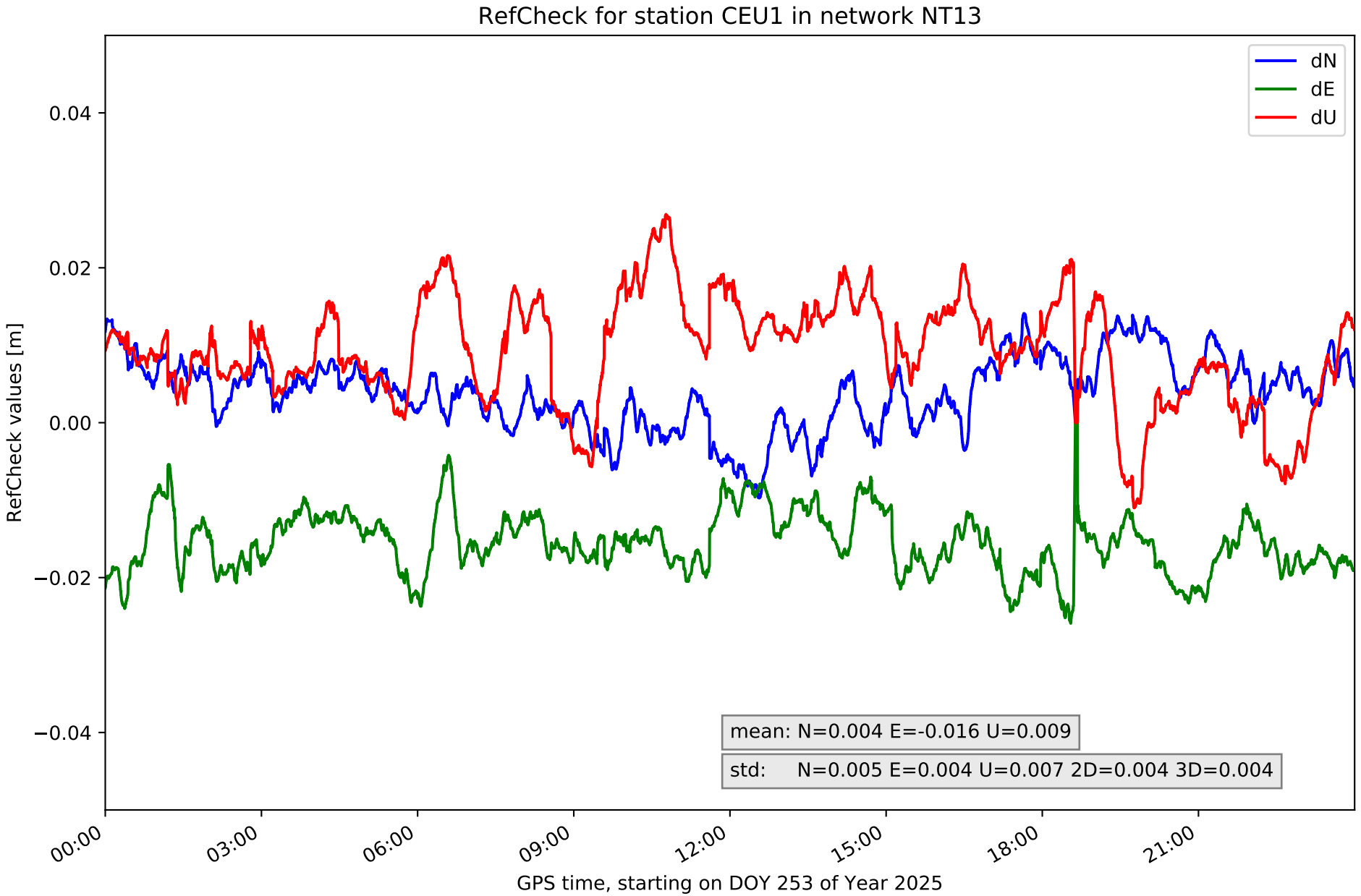

RefCheck for station ALGC in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.006 E=-0.004 U=0.004
std: N=0.004 E=0.004 U=0.009 2D=0.004 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 253 of Year 2025

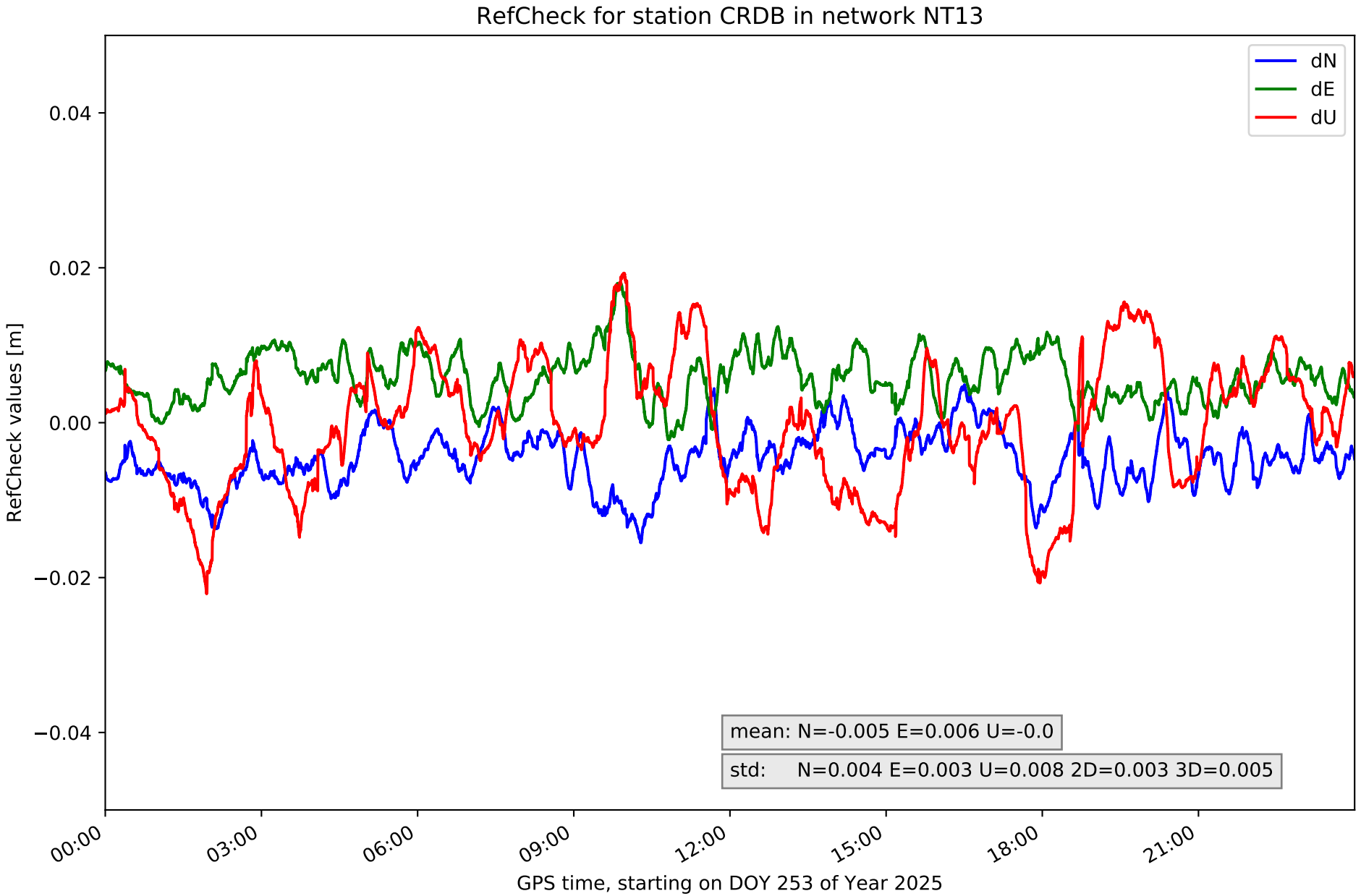

RefCheck for station AND2 in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.001 E=0.003 U=-0.011
std: N=0.004 E=0.003 U=0.011 2D=0.003 3D=0.009
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 253 of Year 2025

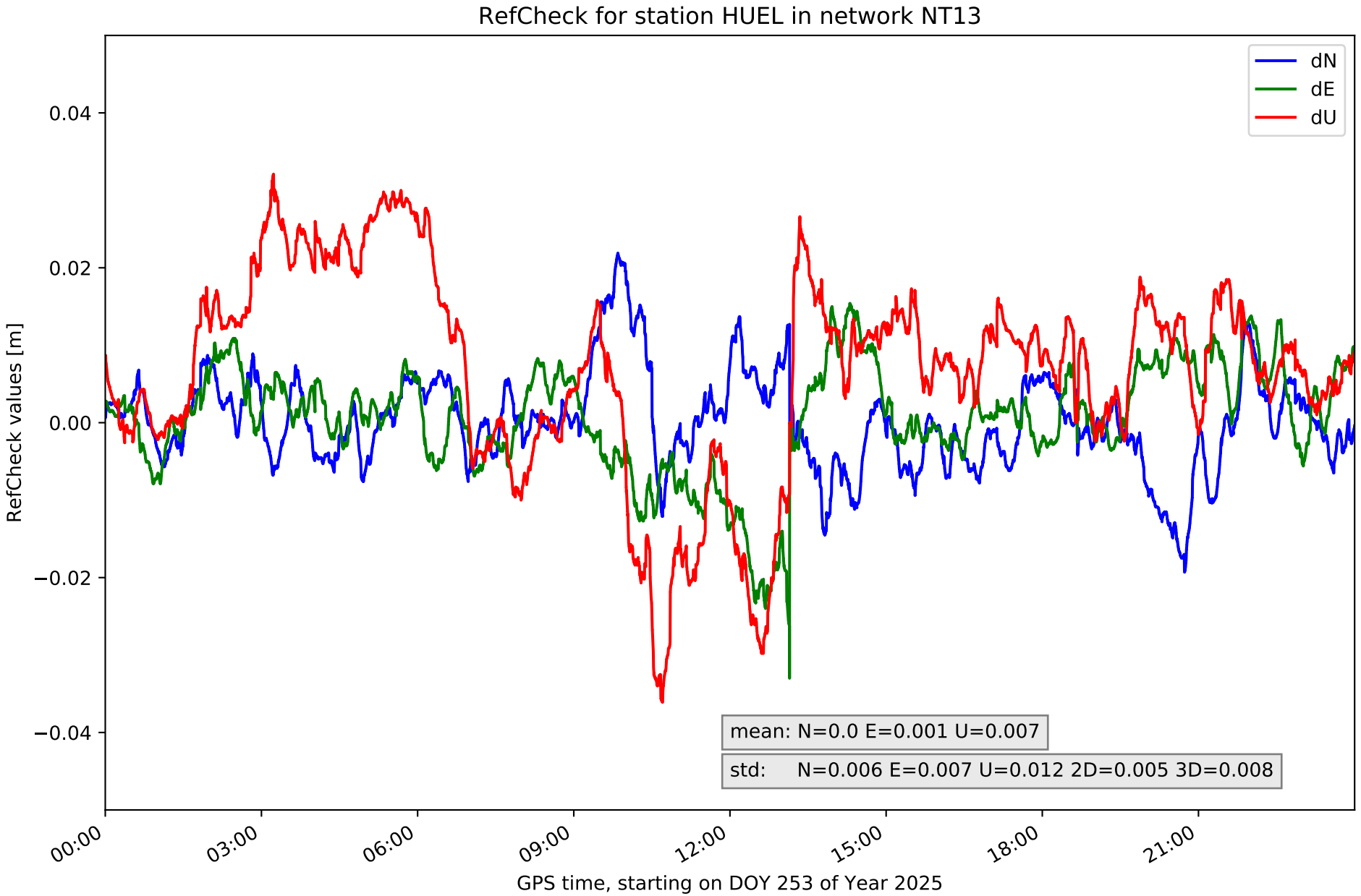

RefCheck for station ARAC in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.006 E=-0.003 U=-0.004
std: N=0.003 E=0.006 U=0.009 2D=0.003 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 253 of Year 2025

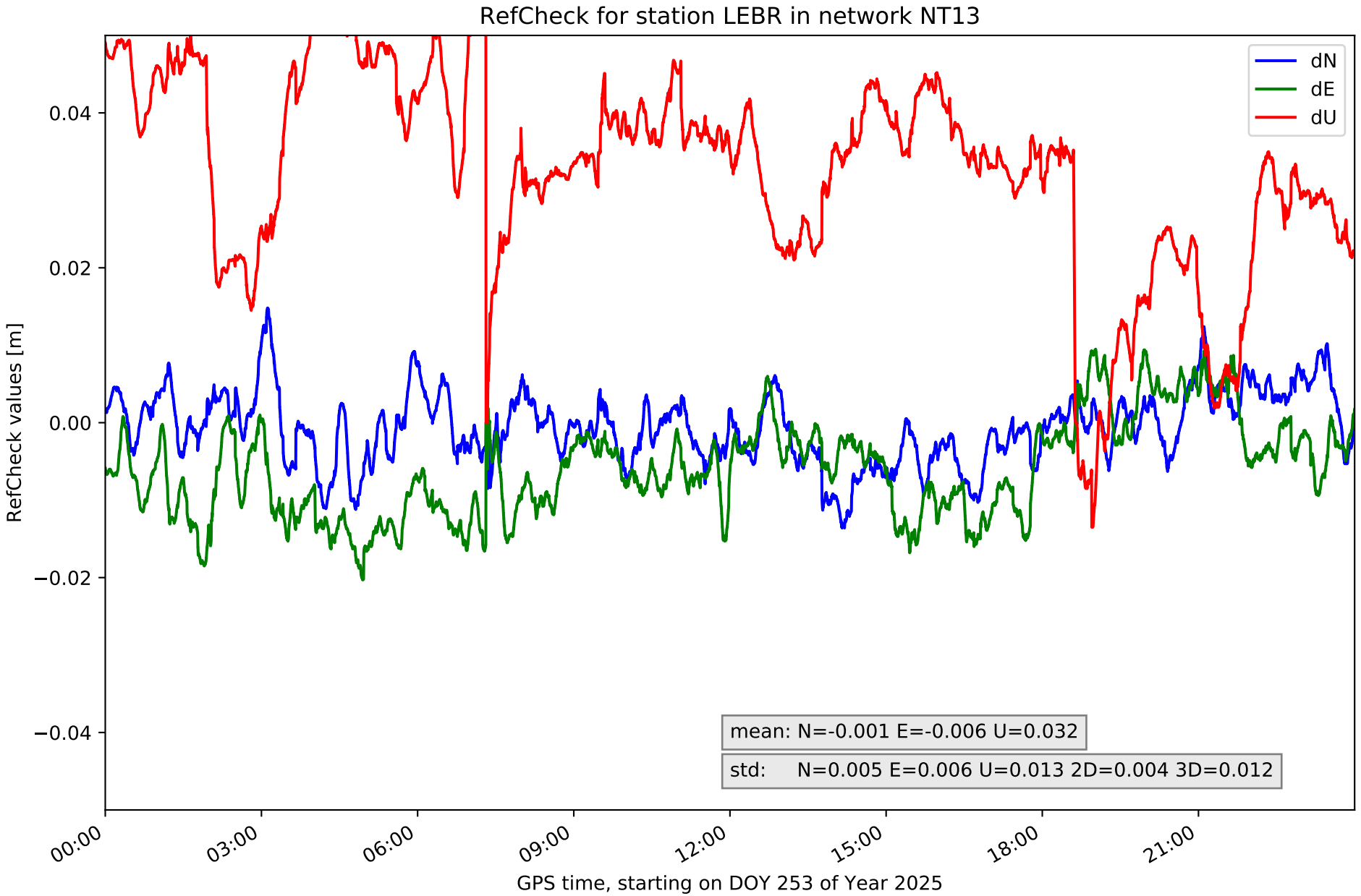

RefCheck for station CABR in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.001 E=0.005 U=-0.01
std: N=0.003 E=0.002 U=0.007 2D=0.002 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 253 of Year 2025

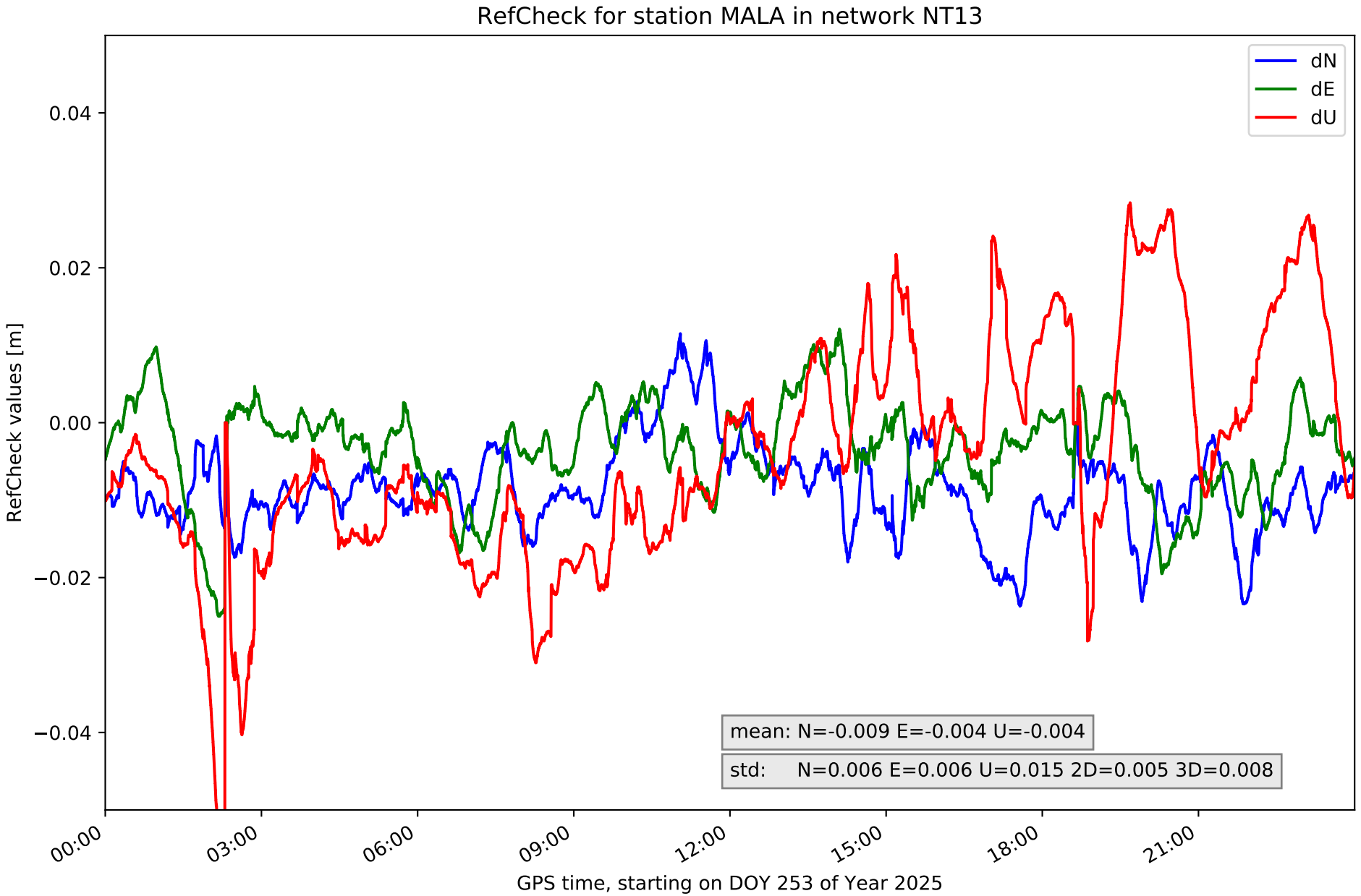

RefCheck for station CAZA in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.001 E=-0.003 U=-0.001
std: N=0.004 E=0.003 U=0.007 2D=0.003 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 253 of Year 2025

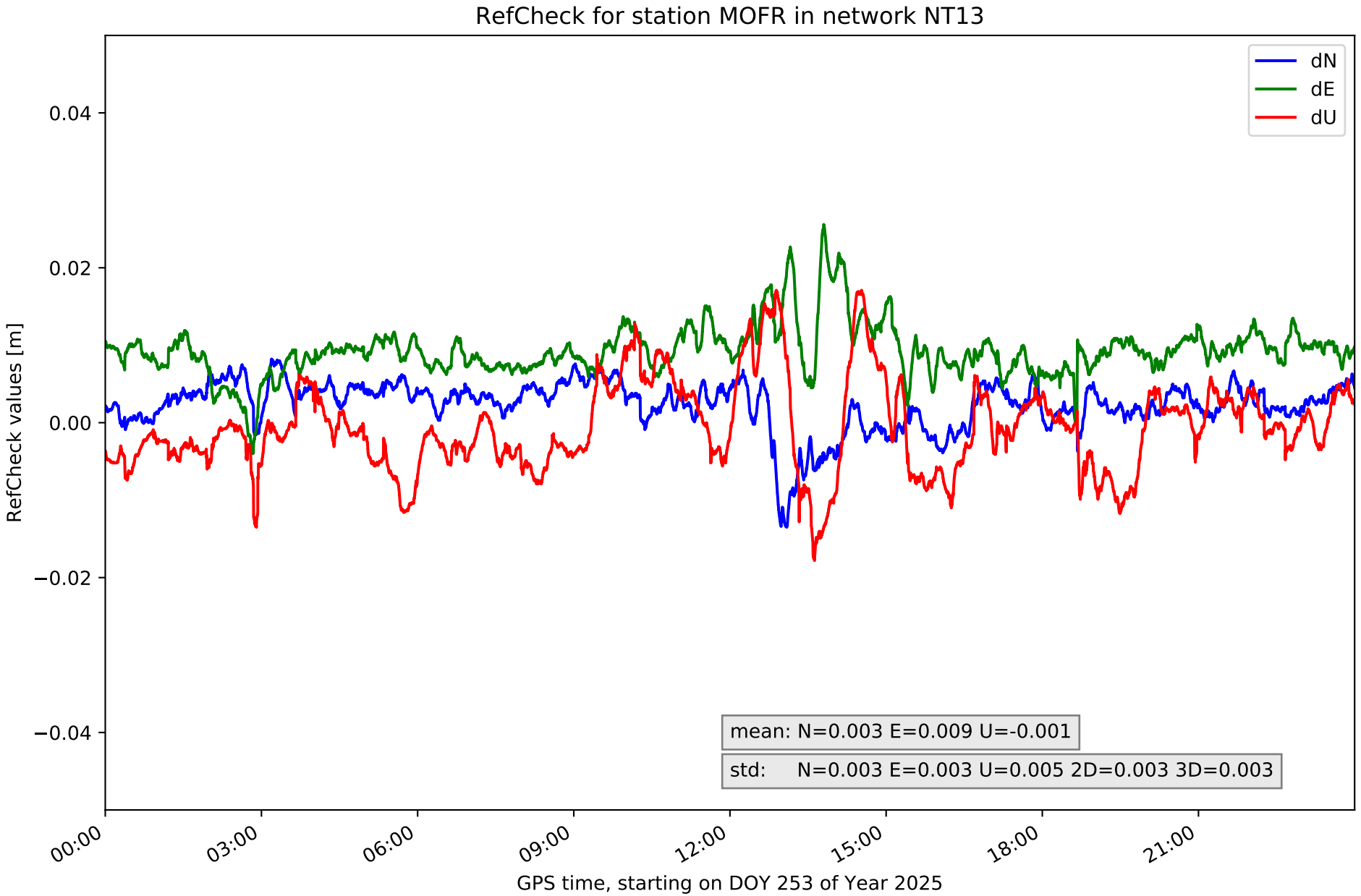

RefCheck for station CEU1 in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.004 E=-0.016 U=0.009
std: N=0.005 E=0.004 U=0.007 2D=0.004 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 253 of Year 2025

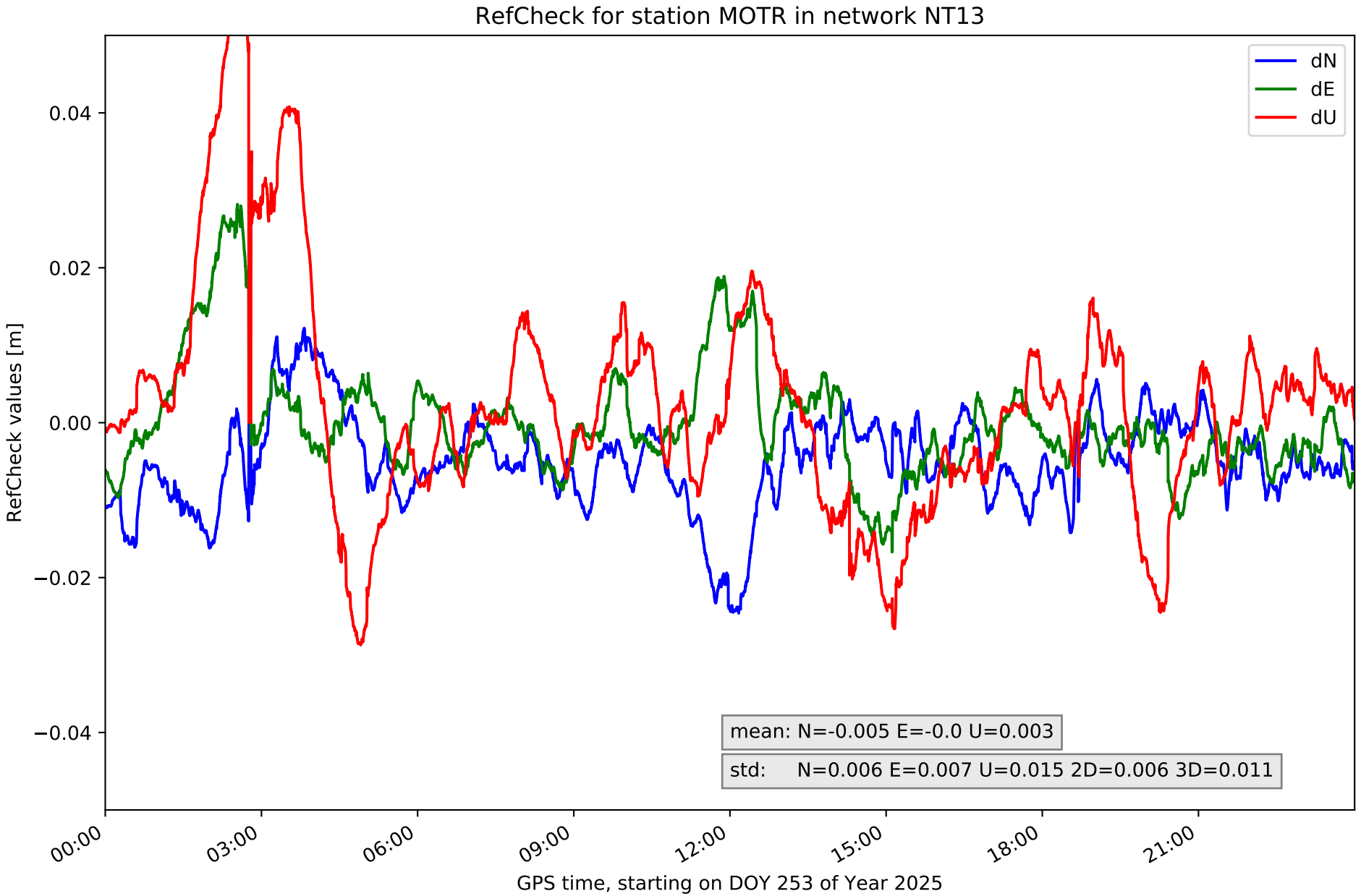

RefCheck for station CRDB in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.005 E=0.006 U=-0.0
std: N=0.004 E=0.003 U=0.008 2D=0.003 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 253 of Year 2025

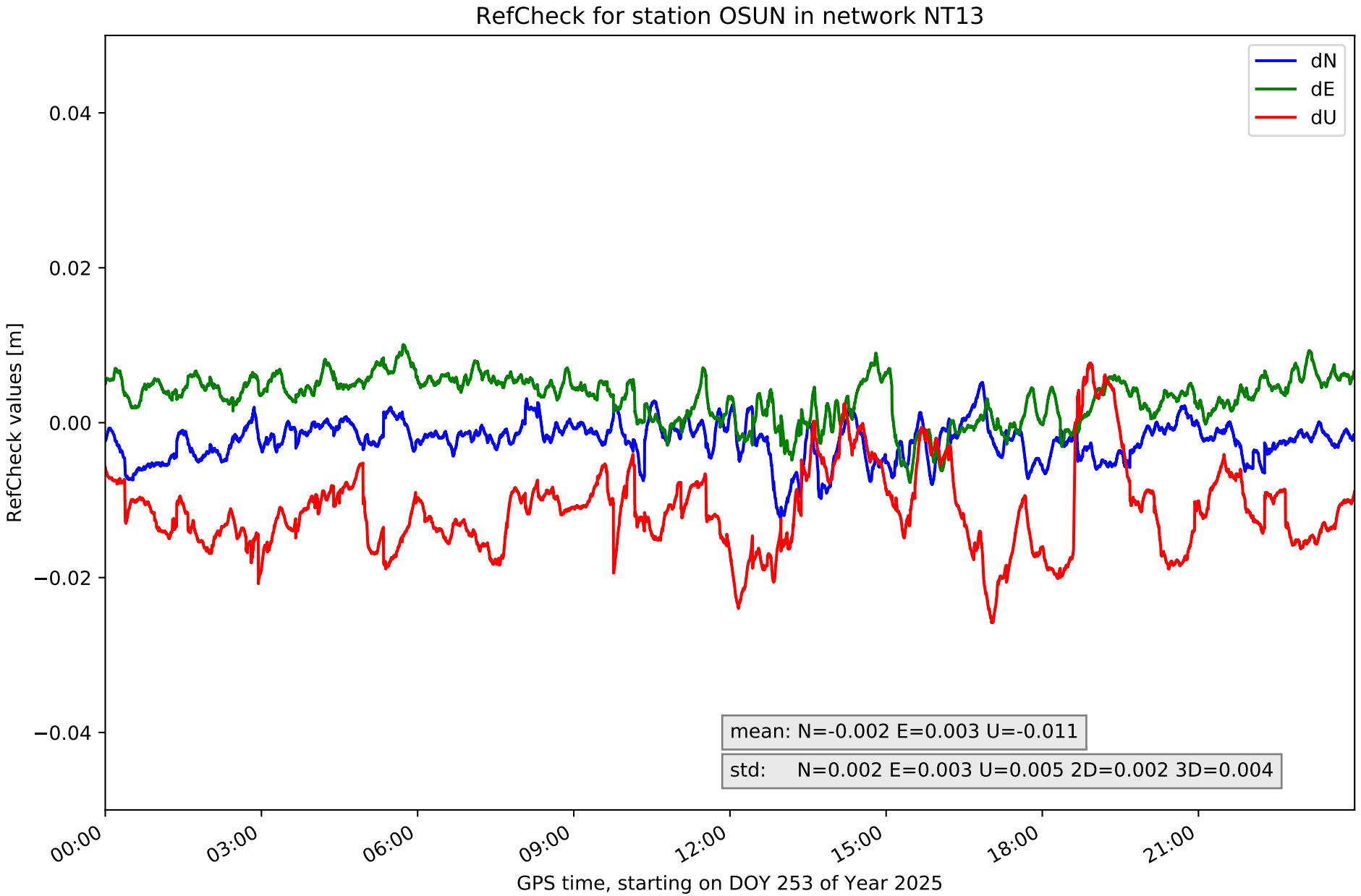

RefCheck for station HUEL in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.0 E=0.001 U=0.007
std: N=0.006 E=0.007 U=0.012 2D=0.005 3D=0.008
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 253 of Year 2025

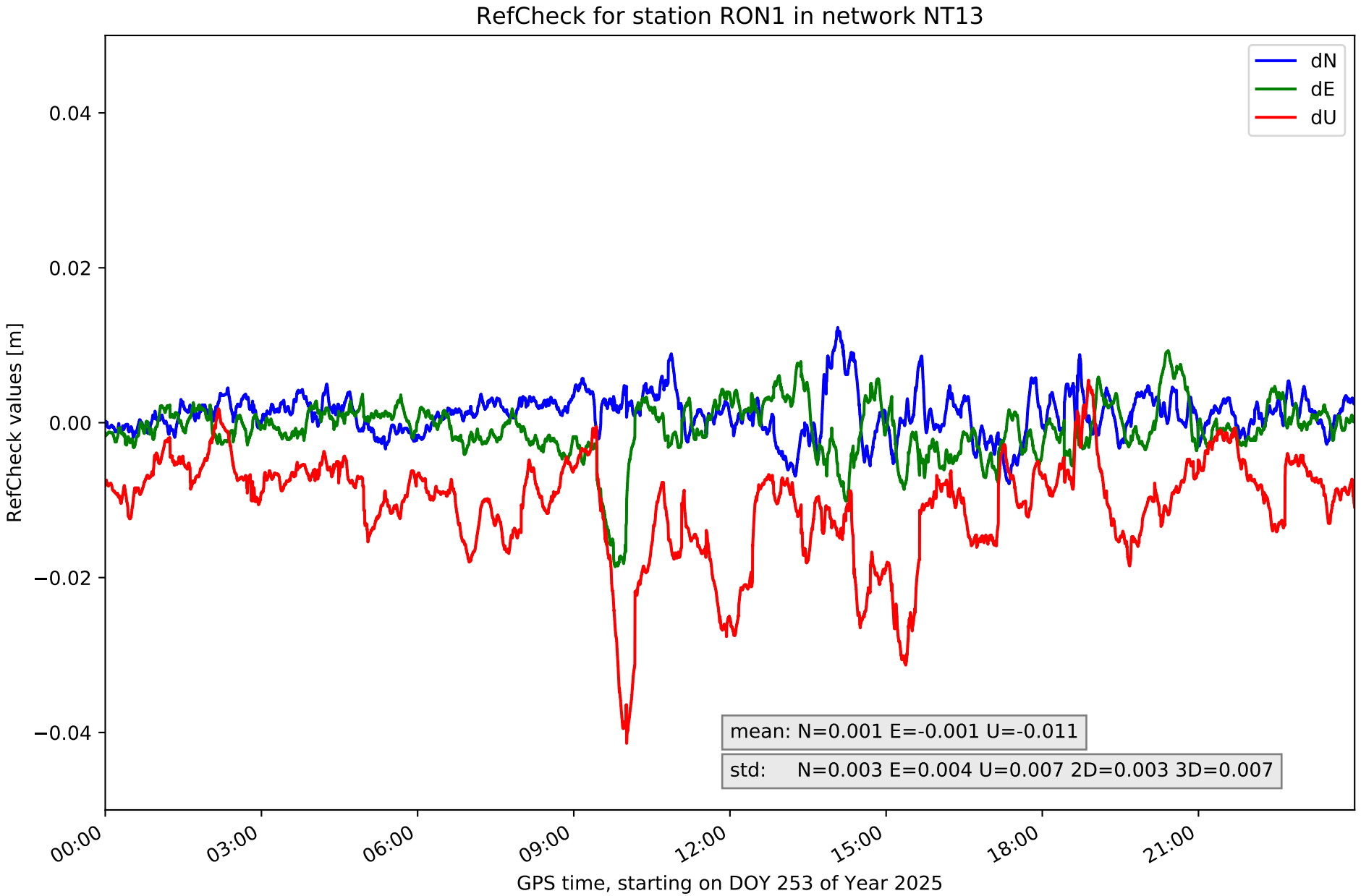

RefCheck for station LEBR in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.001 E=-0.006 U=0.032
std: N=0.005 E=0.006 U=0.013 2D=0.004 3D=0.012
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 253 of Year 2025

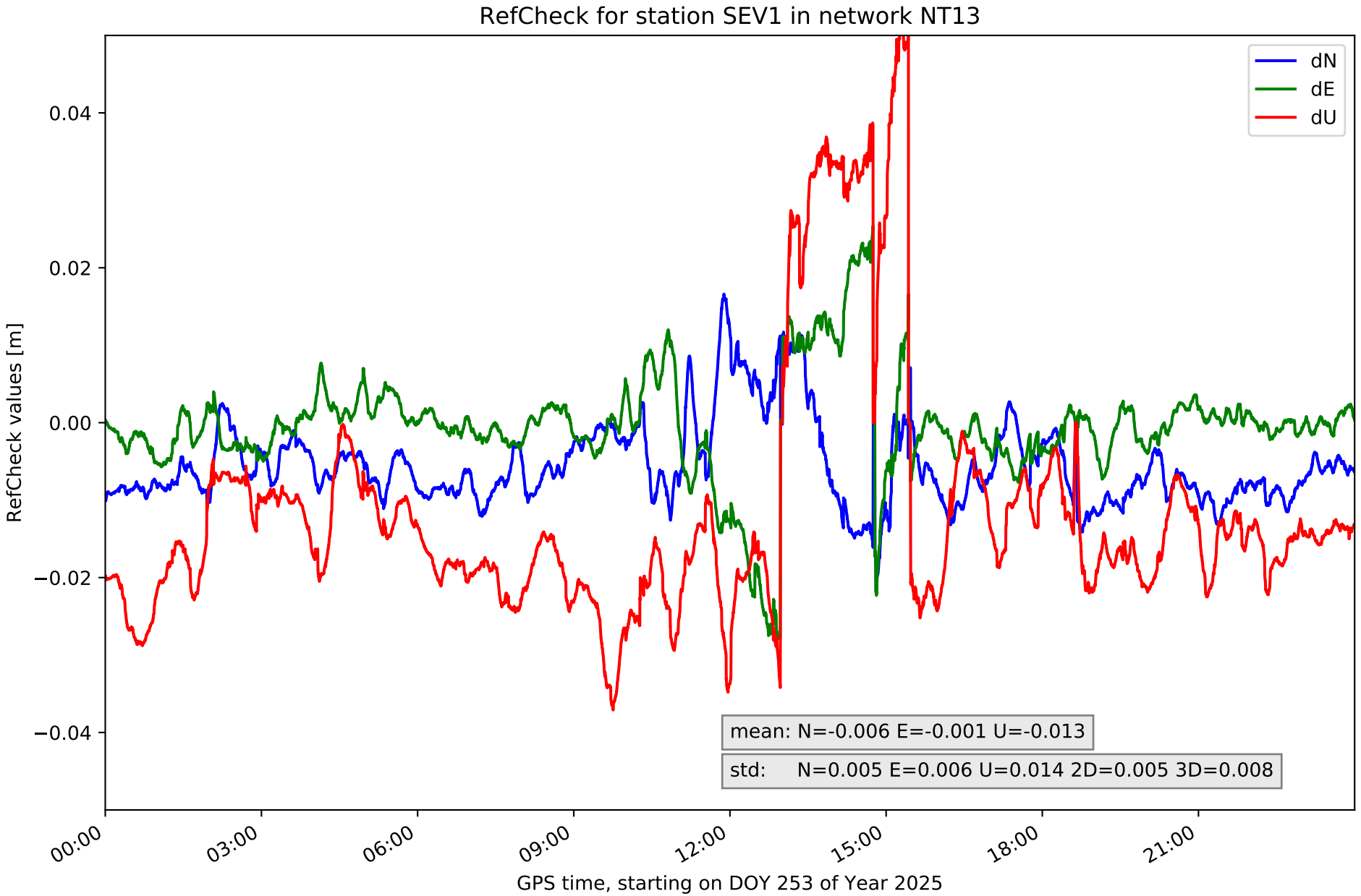

RefCheck for station MALA in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.009 E=-0.004 U=-0.004
std: N=0.006 E=0.006 U=0.015 2D=0.005 3D=0.008
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 253 of Year 2025

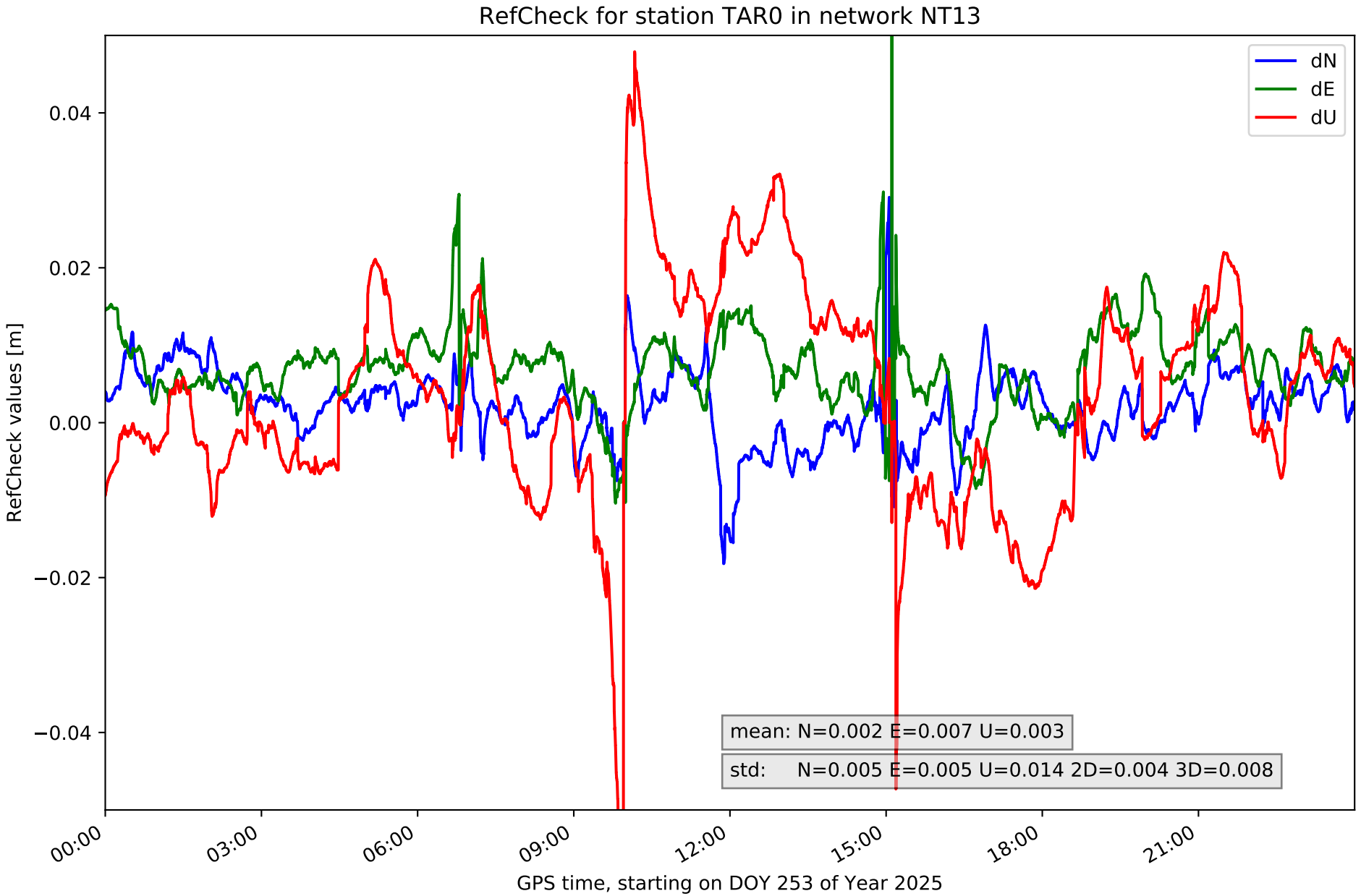

RefCheck for station MOFR in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.003 E=0.009 U=-0.001
std: N=0.003 E=0.003 U=0.005 2D=0.003 3D=0.003
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 253 of Year 2025

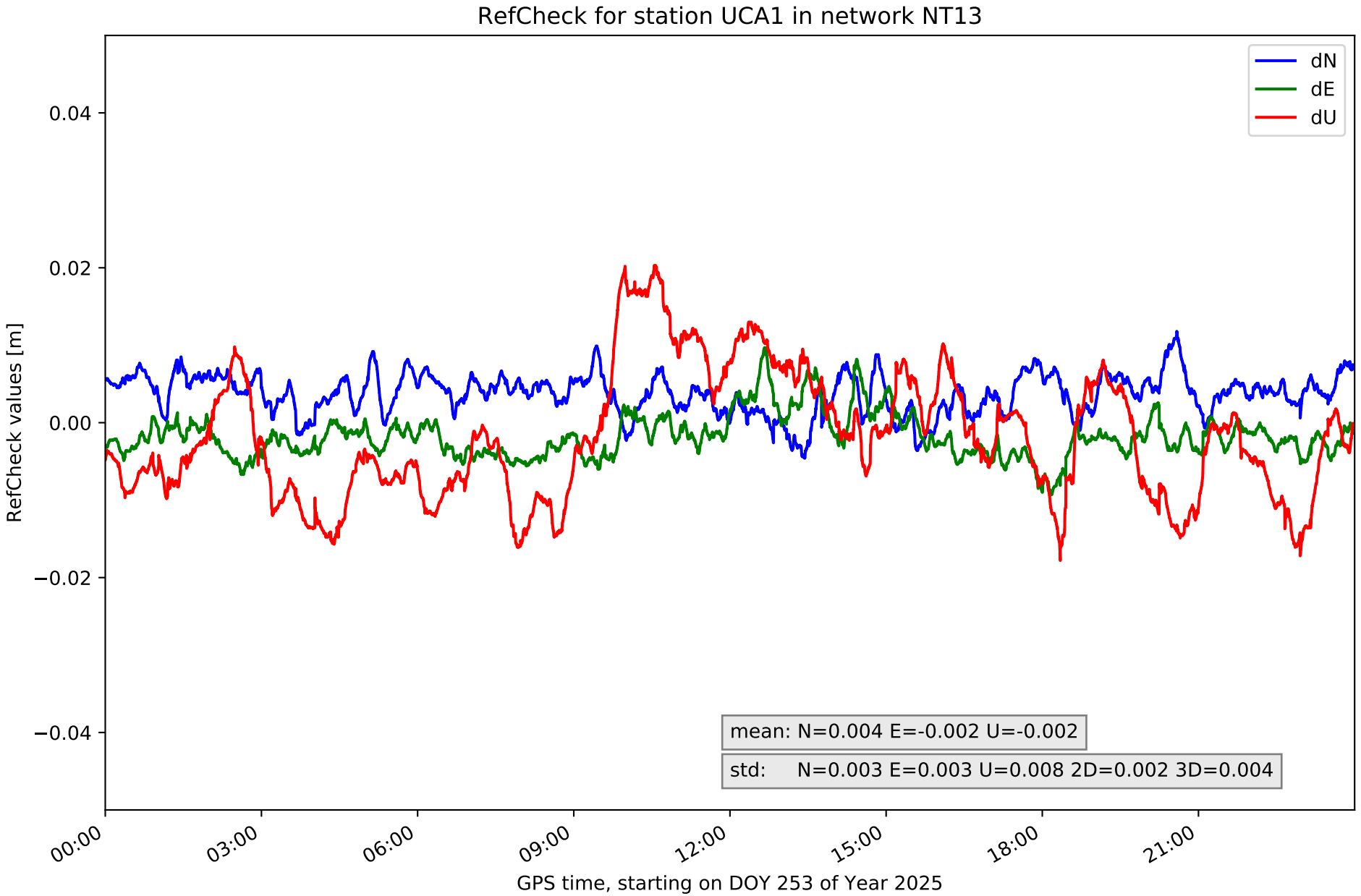

RefCheck for station MOTR in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.005 E=-0.0 U=0.003
std: N=0.006 E=0.007 U=0.015 2D=0.006 3D=0.011
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 253 of Year 2025


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=0.003 U=-0.011
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 253 of Year 2025


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=0.001 E=-0.001 U=-0.011
std: N=0.003 E=0.004 U=0.007 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 253 of Year 2025


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=-0.006 E=-0.001 U=-0.013
std: N=0.005 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 253 of Year 2025


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=0.007 U=0.003
std: N=0.005 E=0.005 U=0.014 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 253 of Year 2025


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=0.004 E=-0.002 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 253 of Year 2025

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	-0.004	0.019	0.004	-0.014	0.007	0.004	-0.029	0.029	0.009	0.004	0.005	24556	35.7	5951	8.7
AND2	-0.013	0.008	0.004	-0.006	0.017	0.003	-0.041	0.014	0.011	0.003	0.009	4301	6.3	17356	25.2
ARAC	-0.008	0.015	0.003	-0.013	0.017	0.006	-0.027	0.025	0.009	0.003	0.005	12145	33.5	2795	7.7
CABR	-0.011	0.009	0.003	-0.002	0.012	0.002	-0.029	0.014	0.007	0.002	0.005	2893	4.2	6058	8.8
CAZA	-0.017	0.011	0.004	-0.011	0.008	0.003	-0.022	0.02	0.007	0.003	0.004	3355	4.9	1223	1.8
CEU1	-0.01	0.014	0.005	-0.026	-0.0	0.004	-0.011	0.027	0.007	0.004	0.004	**66790**	**97.2**	37312	54.3
CRDB	-0.015	0.005	0.004	-0.002	0.018	0.003	-0.022	0.019	0.008	0.003	0.005	17746	25.8	3696	5.4
HUEL	-0.019	0.022	**0.006**	**-0.033**	0.015	**0.007**	-0.036	0.032	0.012	0.005	0.008	15946	23.2	18613	27.1
LEBR	-0.014	0.015	0.005	-0.02	0.009	0.006	-0.013	0.06	0.013	0.004	**0.012**	26499	38.6	**59506**	**86.6**
MALA	-0.024	0.011	**0.006**	-0.025	0.012	0.006	**-0.06**	0.028	**0.015**	0.005	0.008	40401	58.8	25271	36.8
MOFR	-0.013	0.008	0.003	-0.004	0.026	0.003	-0.018	0.017	0.005	0.003	0.003	29642	43.1	2601	3.8
MOTR	**-0.025**	0.012	**0.006**	-0.017	0.028	**0.007**	-0.029	0.06	**0.015**	**0.006**	0.011	18685	27.2	14346	20.9
OSUN	-0.012	0.005	0.002	-0.008	0.01	0.003	-0.026	0.008	0.005	0.002	0.004	609	0.9	2459	3.6
RON1	-0.008	0.012	0.003	-0.019	0.009	0.004	-0.041	0.005	0.007	0.003	0.007	2174	3.2	6598	9.6
SEV1	-0.02	0.017	0.005	-0.028	0.025	0.006	-0.037	**0.065**	0.014	0.005	0.008	17087	24.9	32231	46.9
TAR0	-0.018	**0.029**	0.005	-0.01	**0.057**	0.005	**-0.06**	0.048	0.014	0.004	0.008	23160	33.7	13662	19.9
UCA1	-0.005	0.012	0.003	-0.009	0.01	0.003	-0.018	0.02	0.008	0.002	0.004	2039	3.0	316	0.5
Mean	**-0.014**	**0.013**	**0.004**	**-0.015**	**0.016**	**0.004**	**-0.031**	**0.029**	**0.01**	**0.004**	**0.006**	**18119.3**	**27.3**	**14705.5**	**21.6**
Min/Max	**-0.025**	**0.029**	**0.006**	**-0.033**	**0.057**	**0.007**	**-0.06**	**0.065**	**0.015**	**0.006**	**0.012**	**66790**	**97.2**	**59506**	**86.6**

fixing statistic for network NT13

fixing percentage of	all GNSS	G	R	E	C
using threshold 0.3	91.6	93.7	93.4	95.1	84.1
considering satellites with dual-frequency fixed	90.9	90.8	91.0	93.2	86.9
considering all signals separately	91.1	91.1	91.0	93.7	85.0