summary for network NT14

timeperiod chosen: from 2025-09-08-00:00:00 until 2025-09-08-23:59:59

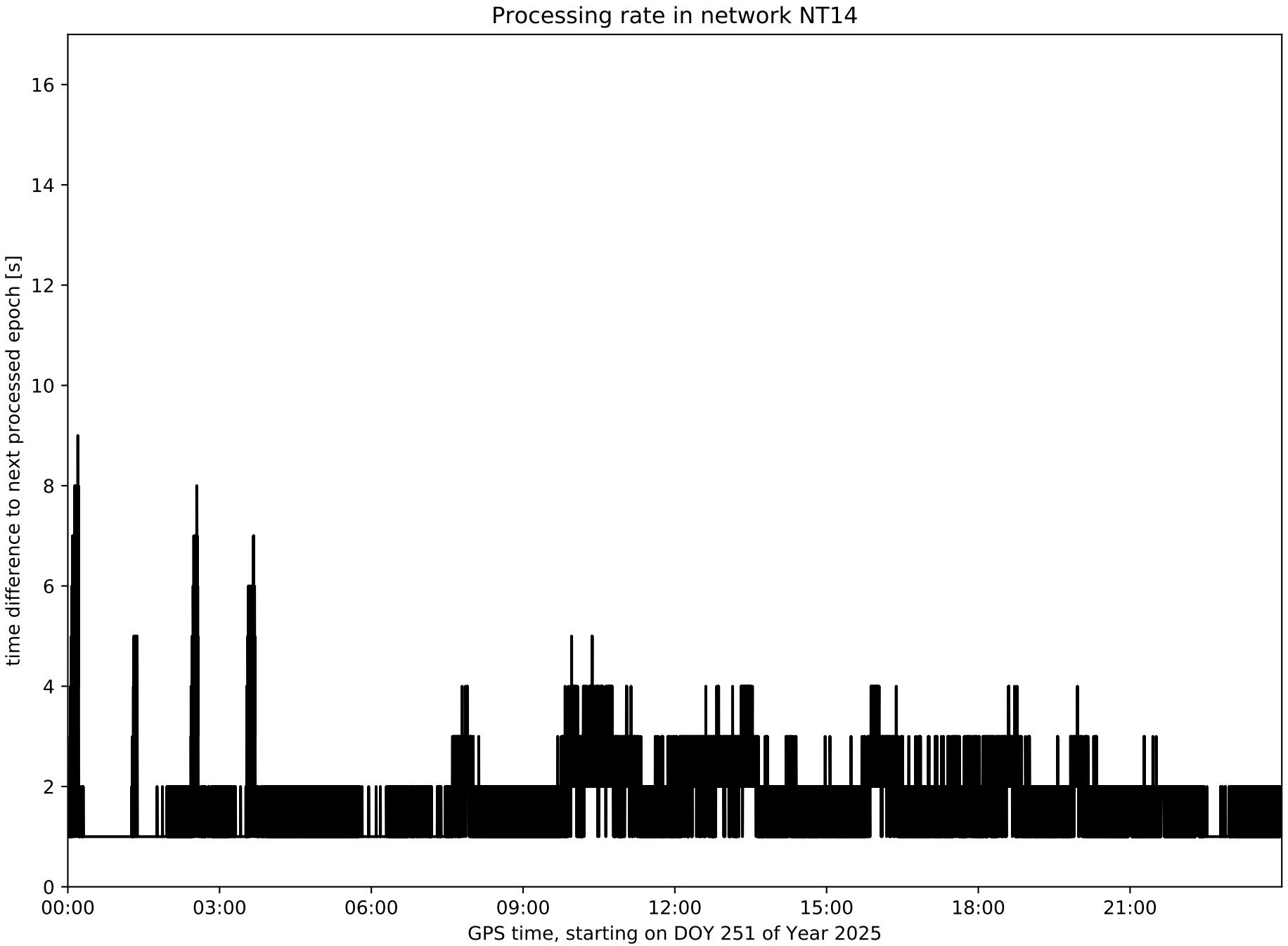
average update rate (durations larger than 15 seconds considered as observation gap): 1.3 seconds

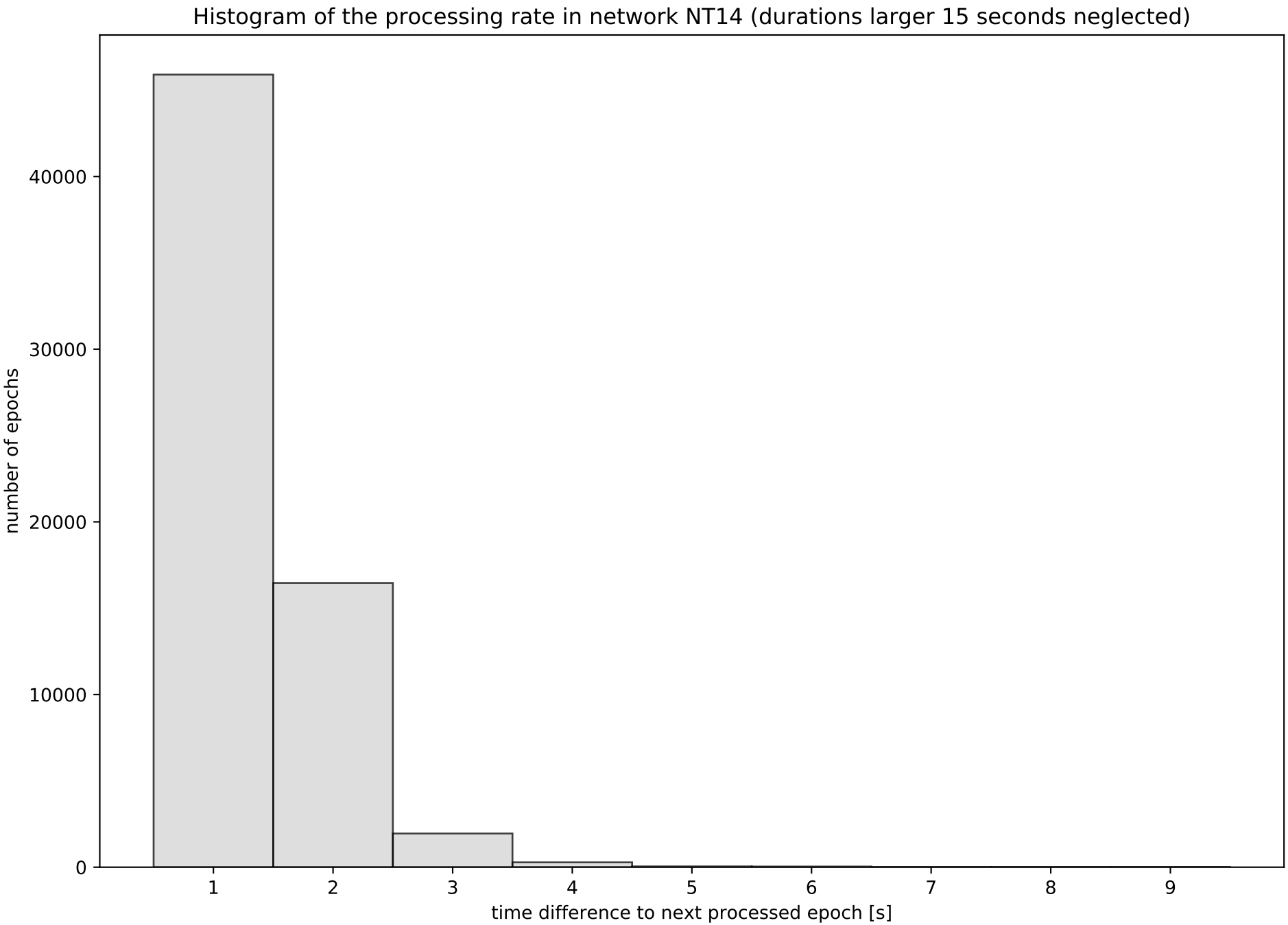
average fixing percentage with threshold set to 0.3: 93.0 percent

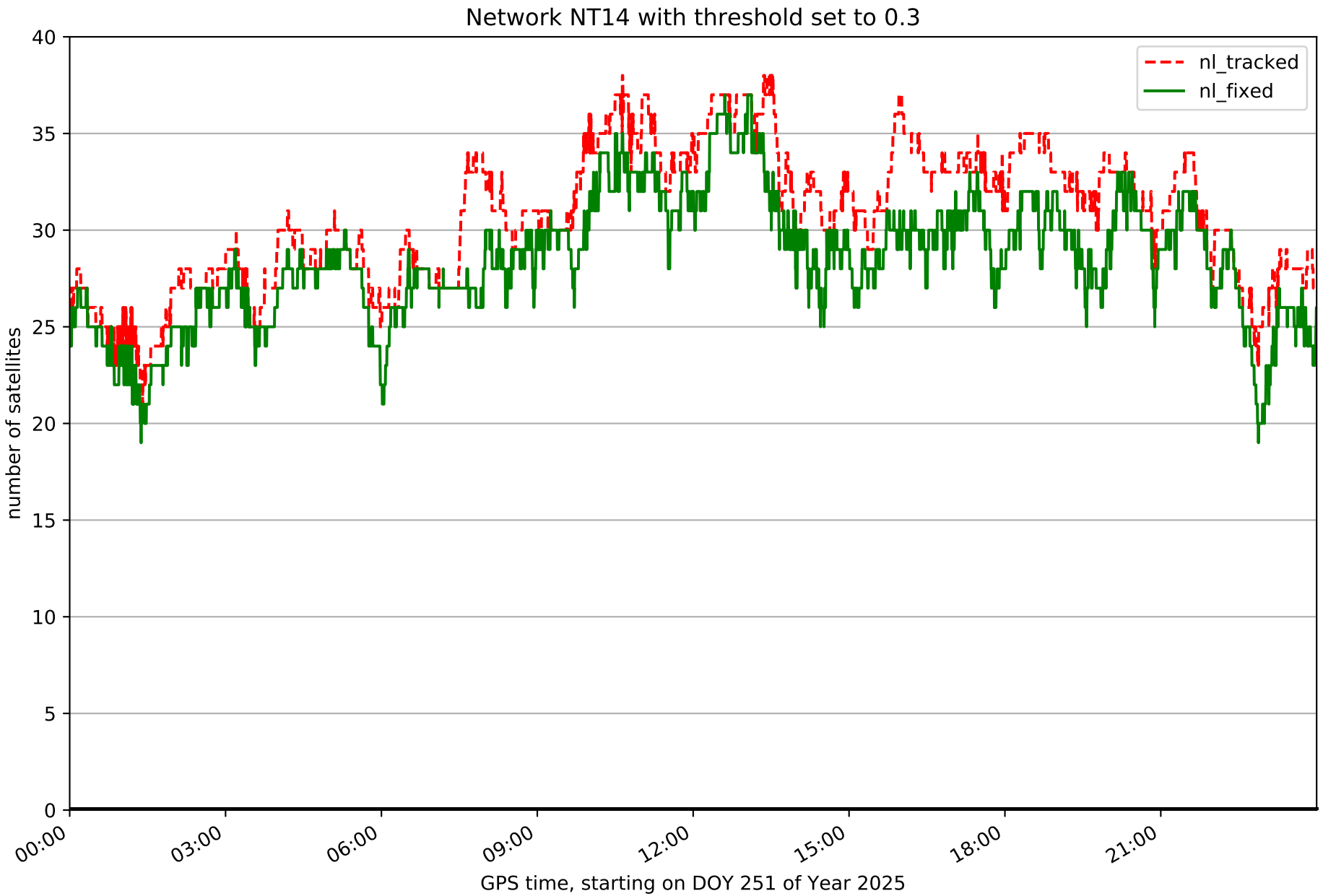
stations available: 13 of 13

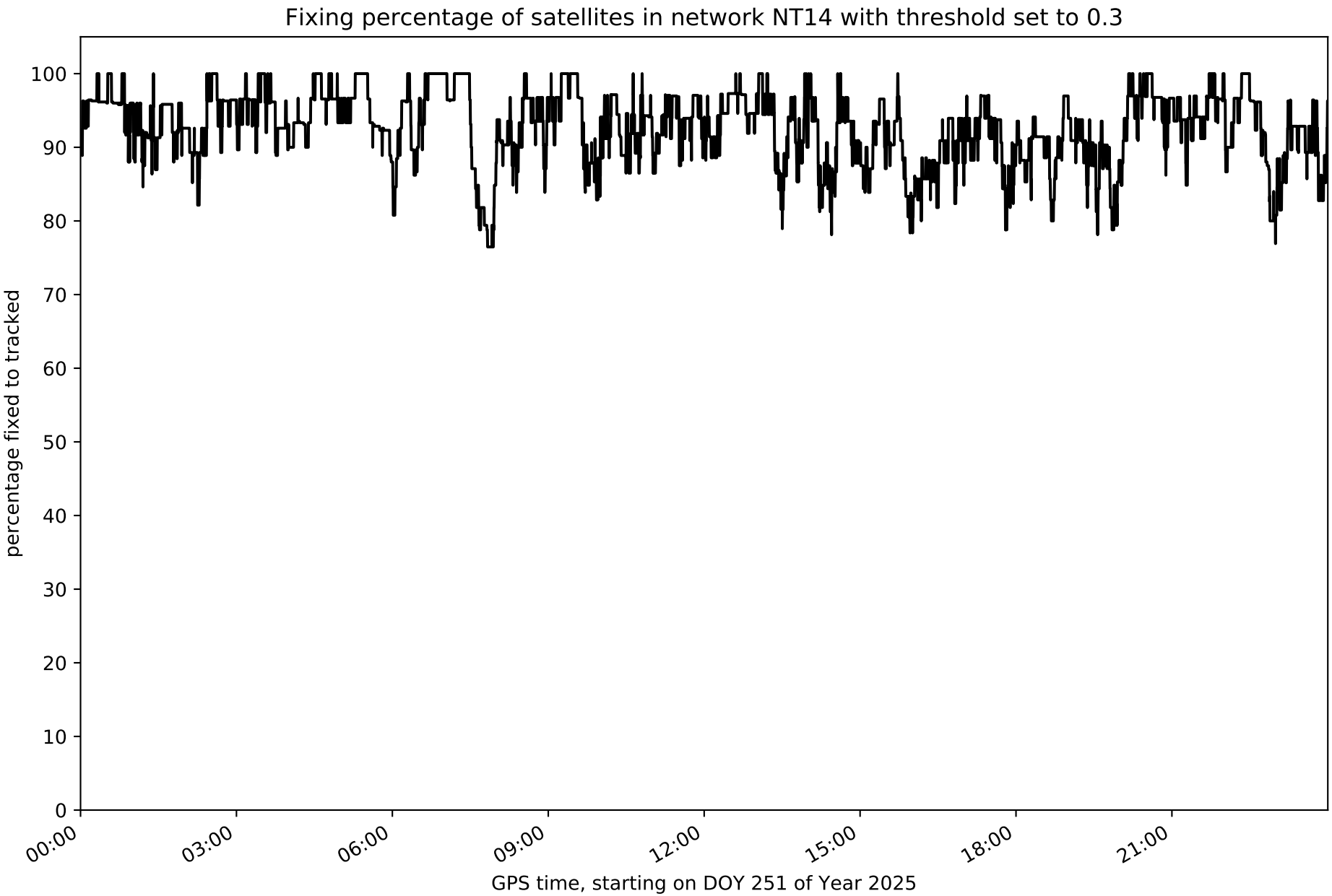
station information:

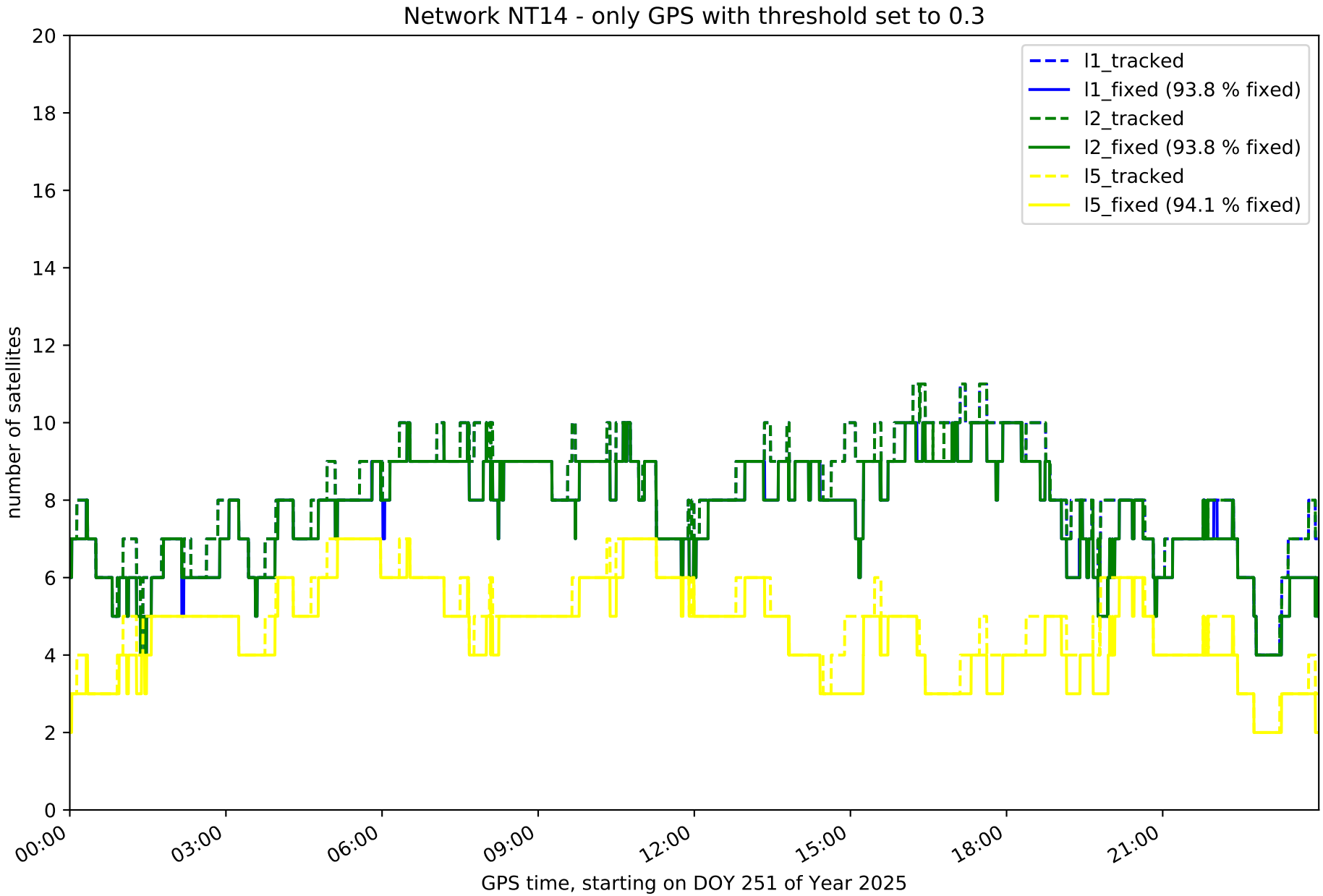
station ABAN:	antenna: LEIAR25 LEIT	receiver: LEICA GR30	height: 207.768
station AIO2:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 662.859
station ALAC:	antenna: LEIAR25.R3 LEIT	receiver: LEICA GR50	height: 63.367
station ALCO:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR30	height: 640.121
station BORR:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR30	height: 73.019
station DENI:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR10	height: 69.735
station IEJA:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 1358.249
station PENI:	antenna: LEIAR25.R4 LEIT	receiver: LEICA GR25	height: 108.648
station SARR:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 1041.631
station TOR0:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR30	height: 64.679
station UTIE:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR30	height: 799.741
station VALE:	antenna: LEIAR25.R3 LEIT	receiver: LEICA GR50	height: 80.598
station VJOI:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR30	height: 117.157

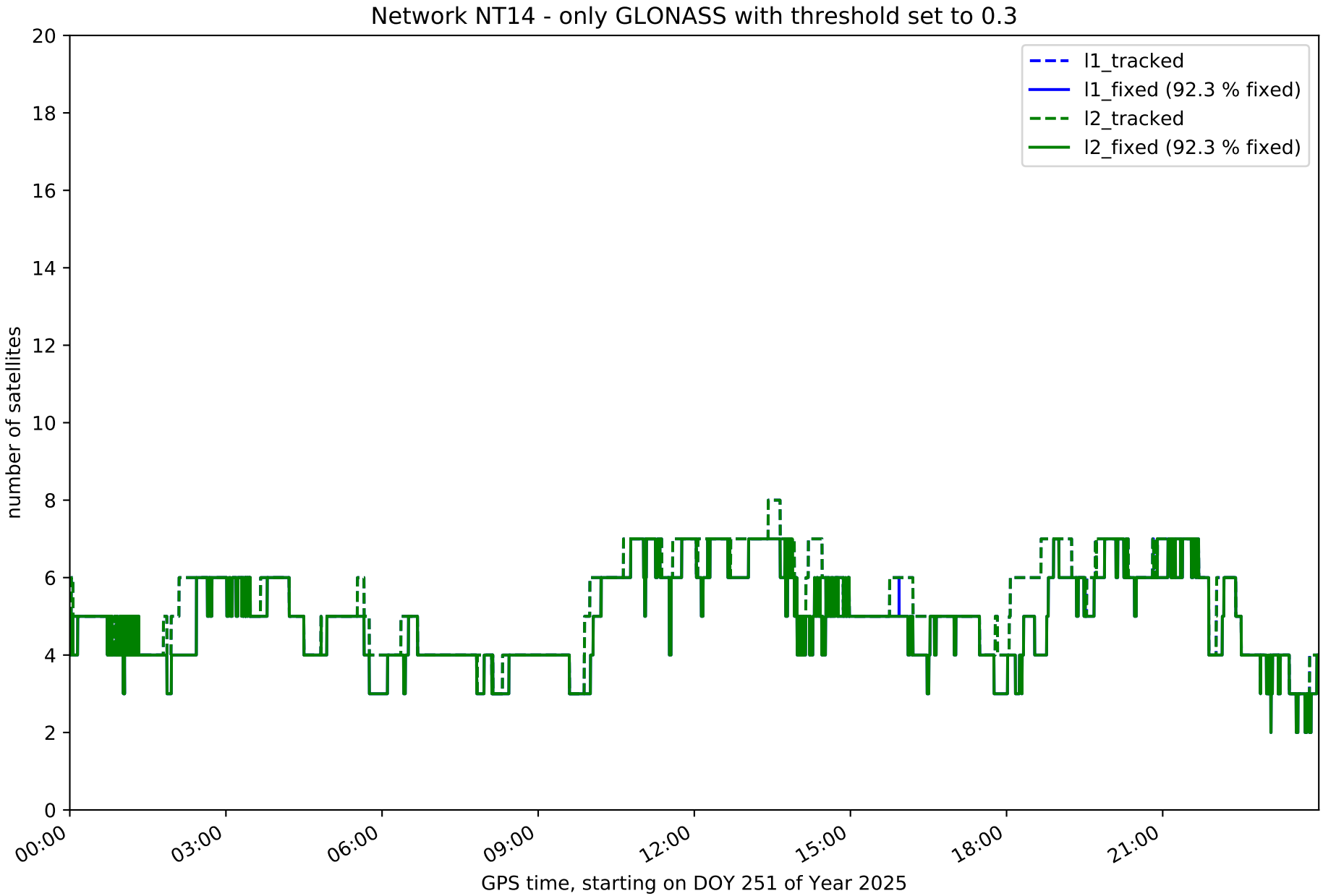

Processing rate in network NT14
time difference to next processed epoch [s]
0
2
4
6
8
10
12
14
16
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 251 of Year 2025

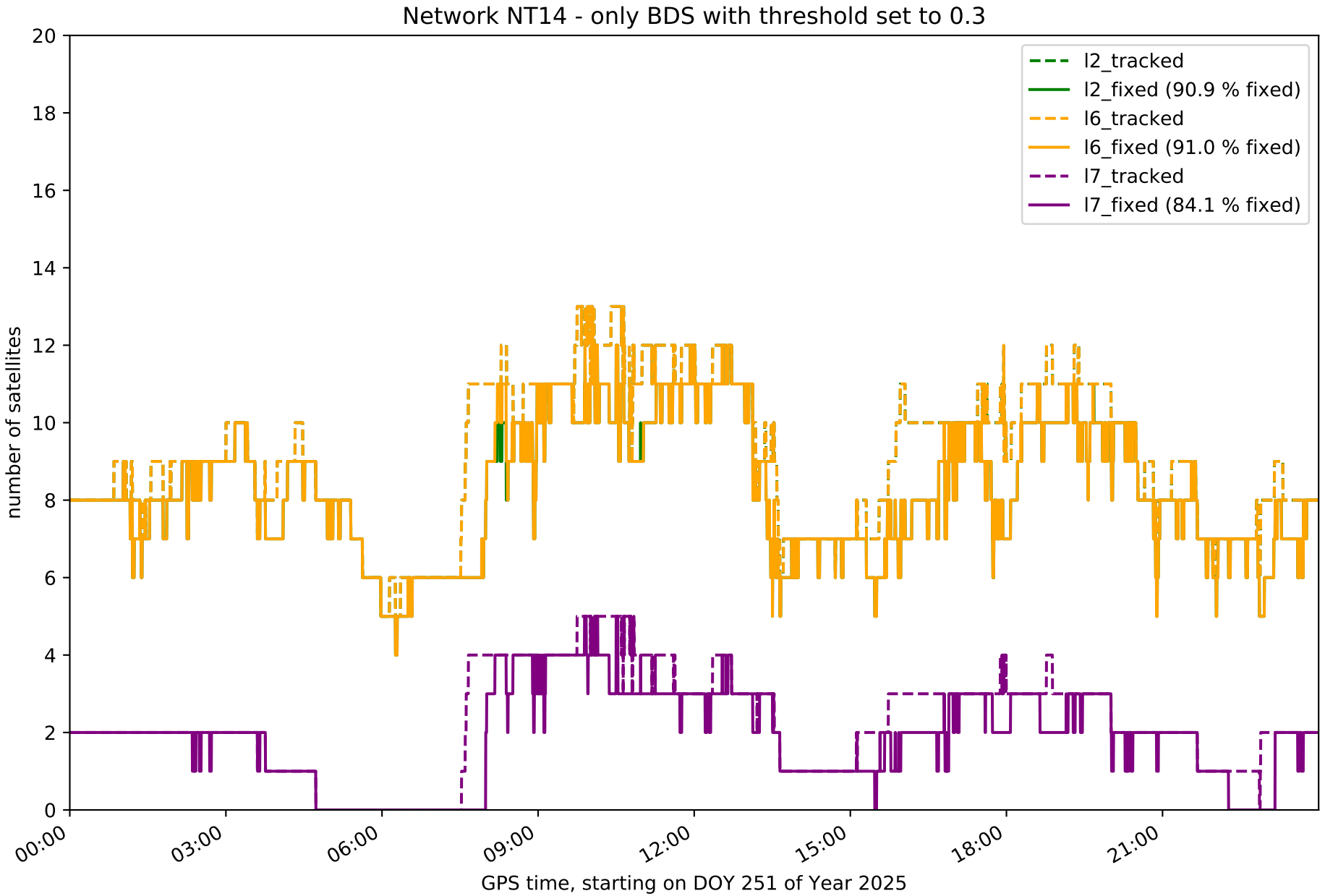

Histogram of the processing rate in network NT14 (durations larger 15 seconds neglected)
number of epochs
0
10000
20000
30000
40000
1
2
3
4
5
6
7
8
9
time difference to next processed epoch [s]

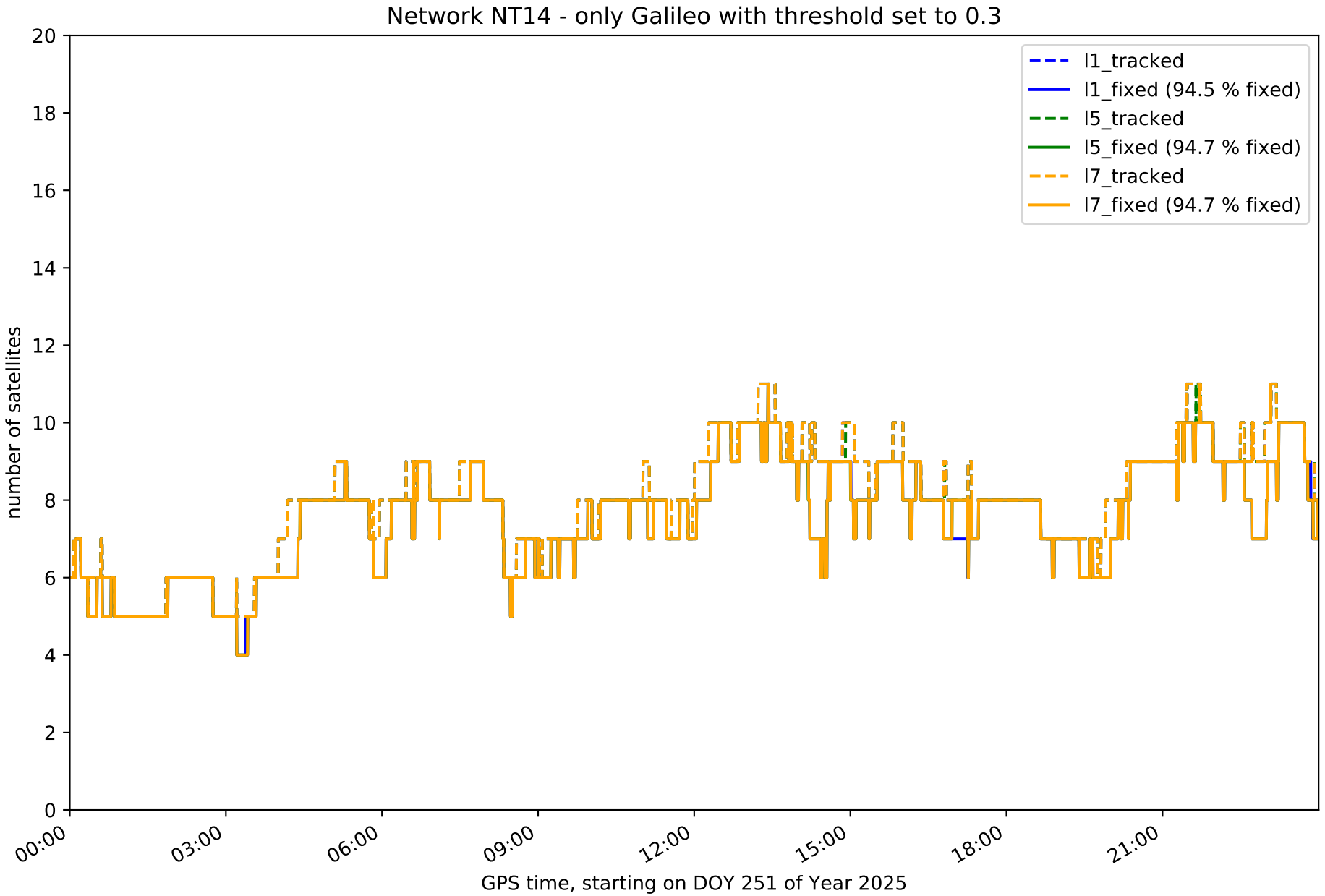

Network NT14 with threshold set to 0.3
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
40
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 251 of Year 2025

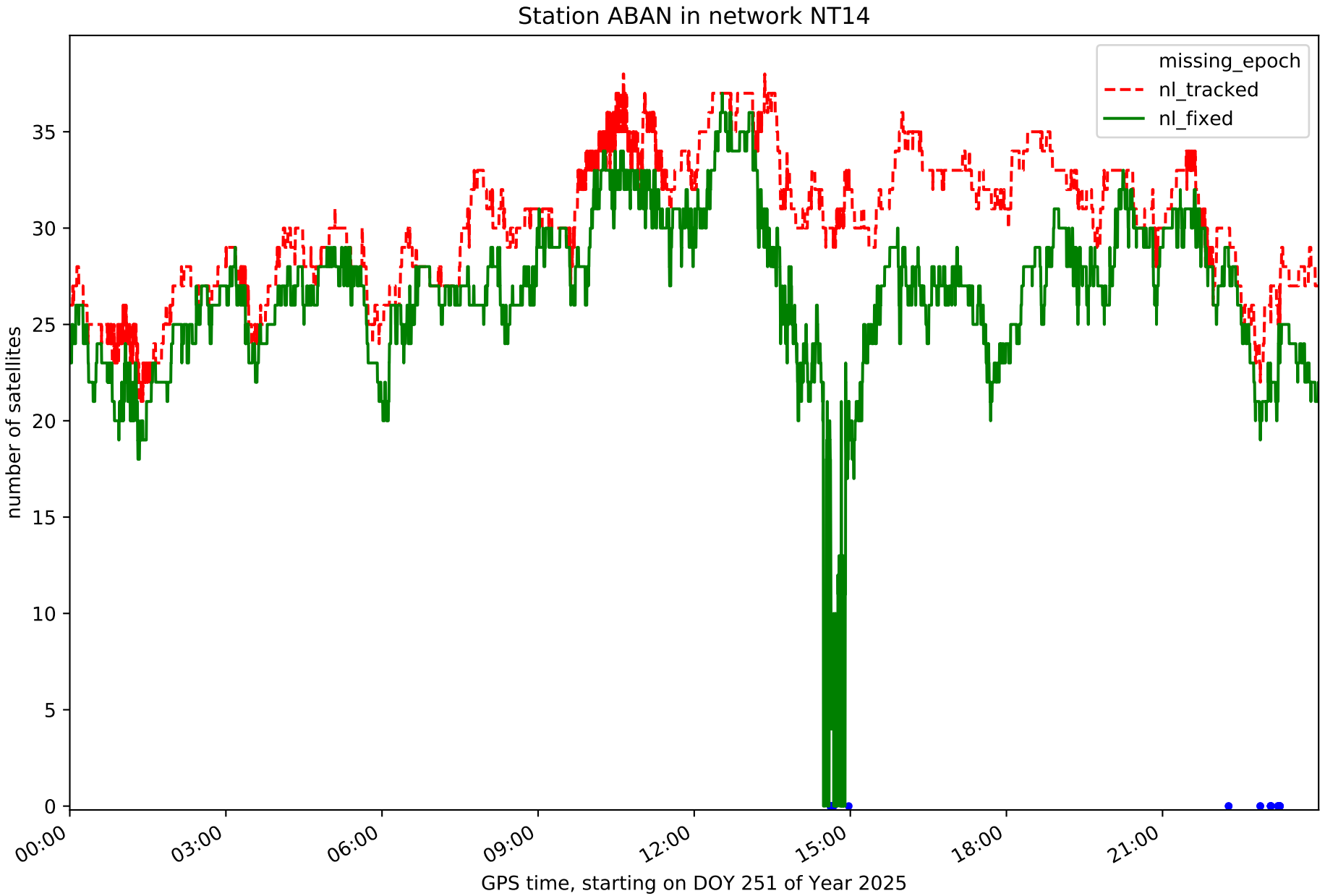

Fixing percentage of satellites in network NT14 with threshold set to 0.3
percentage fixed to tracked
100
90
80
70
60
50
40
30
20
10
0
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 251 of Year 2025

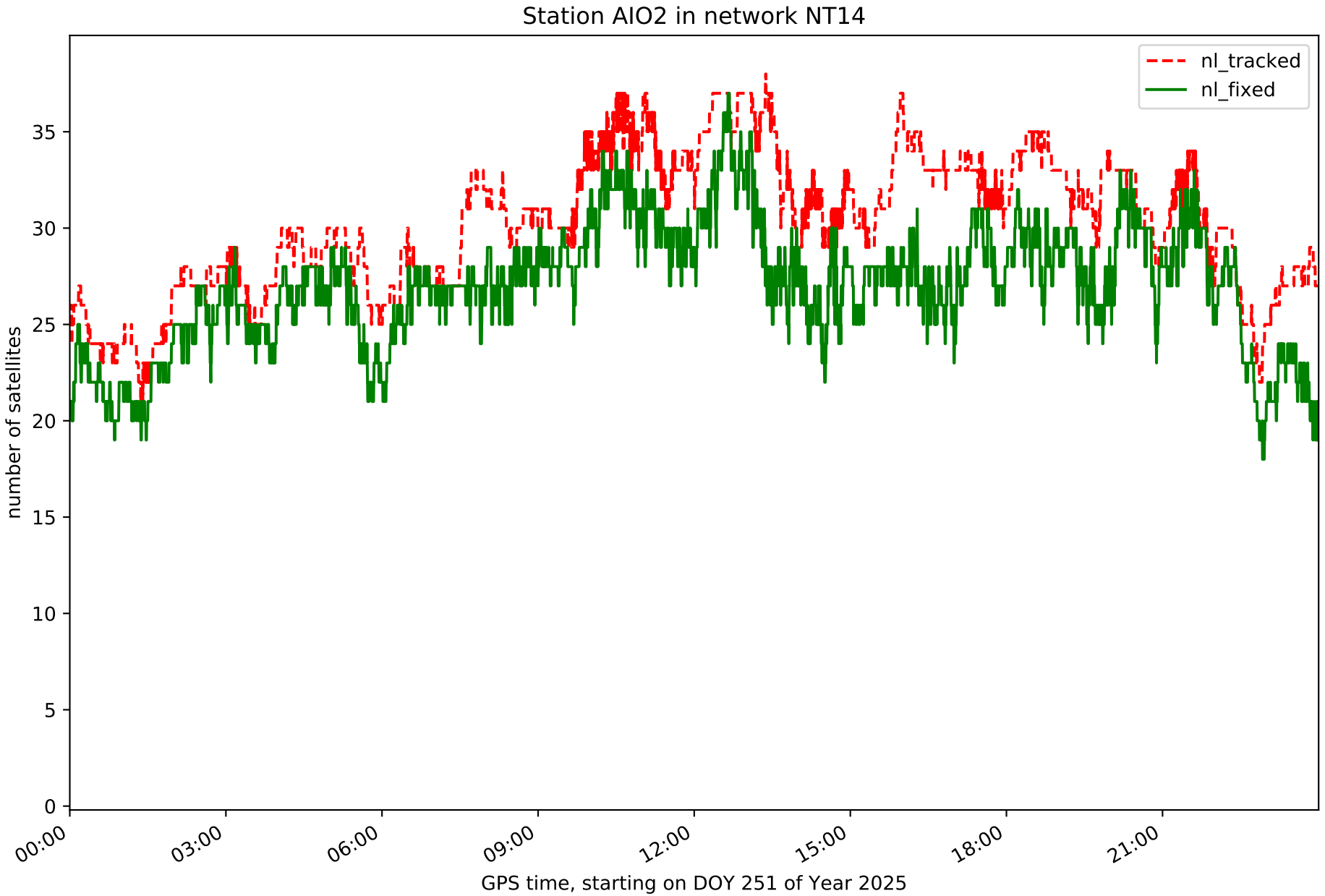

Network NT14 - only GPS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 251 of Year 2025
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
l1_tracked
l1_fixed (93.8 % fixed)
l2_tracked
l2_fixed (93.8 % fixed)
l5_tracked
l5_fixed (94.1 % fixed)

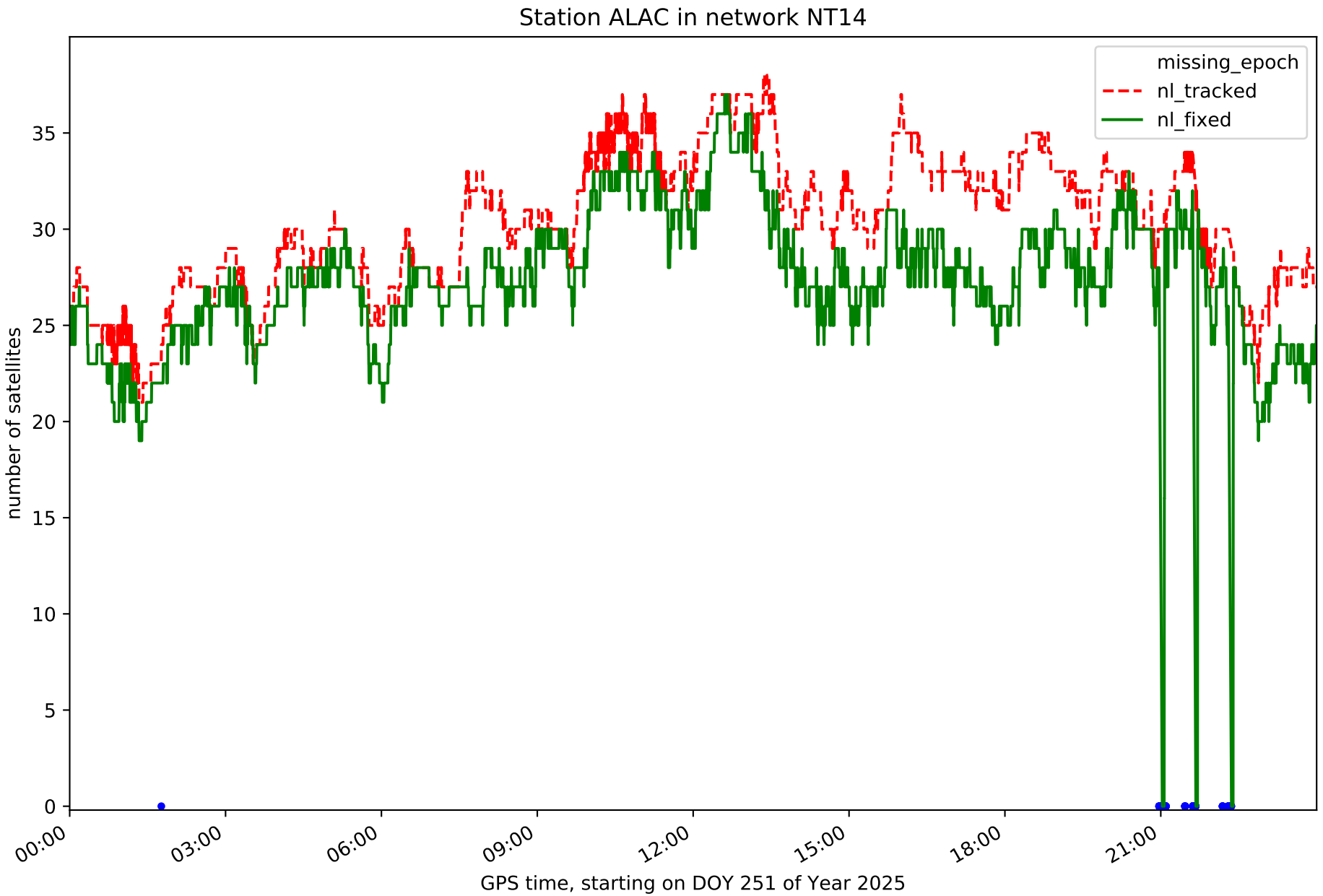

Network NT14 - only GLONASS with threshold set to 0.3
l1_tracked
l1_fixed (92.3 % fixed)
l2_tracked
l2_fixed (92.3 % fixed)
number of satellites
0
2
4
6
8
10
12
14
16
18
20
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 251 of Year 2025

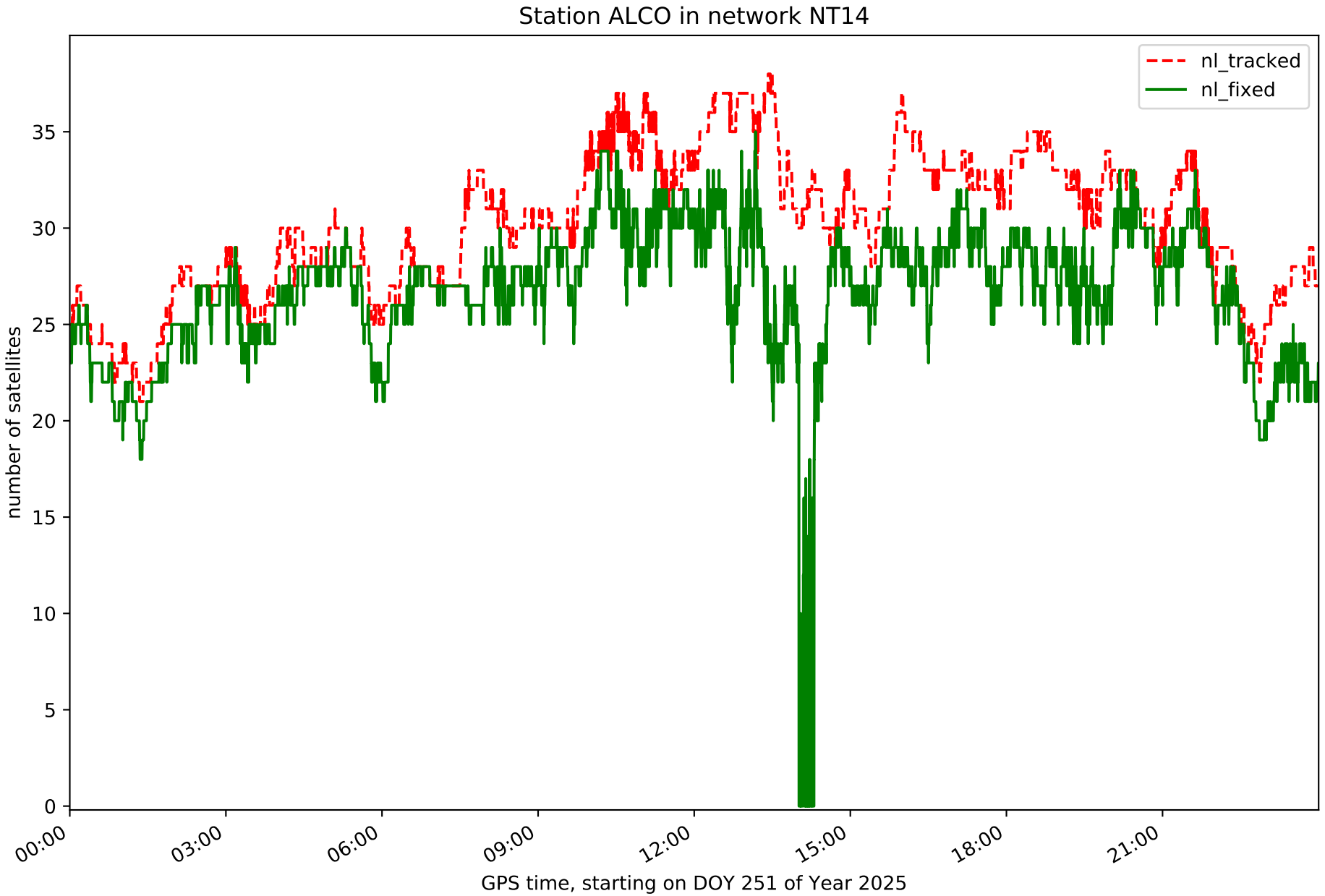

Network NT14 - only BDS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 251 of Year 2025
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
I2_tracked
I2_fixed (90.9 % fixed)
I6_tracked
I6_fixed (91.0 % fixed)
I7_tracked
I7_fixed (84.1 % fixed)

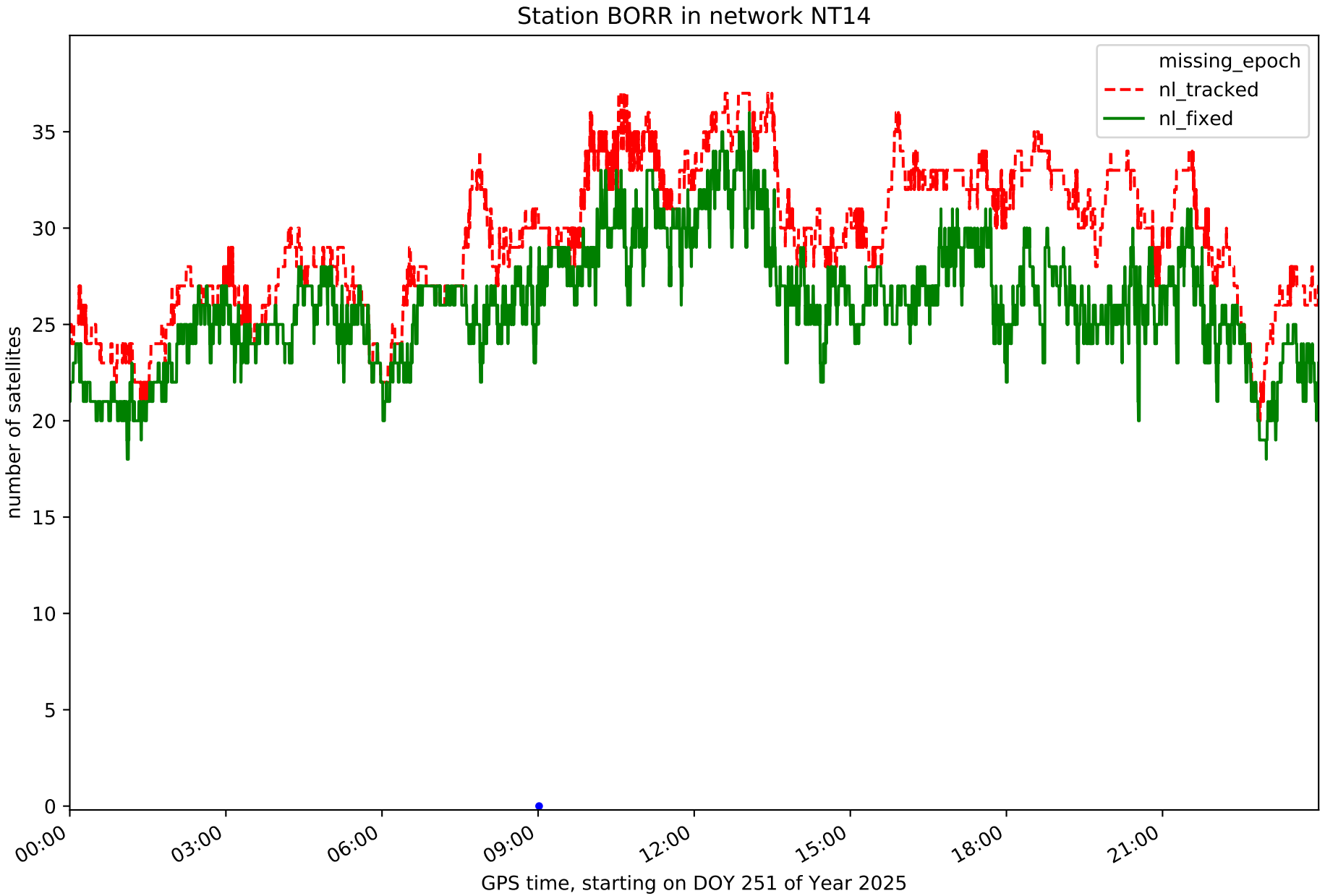

Network NT14 - only Galileo with threshold set to 0.3
number of satellites
GPS time, starting on DOY 251 of Year 2025
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
l1_tracked
l1_fixed (94.5 % fixed)
l5_tracked
l5_fixed (94.7 % fixed)
l7_tracked
l7_fixed (94.7 % fixed)

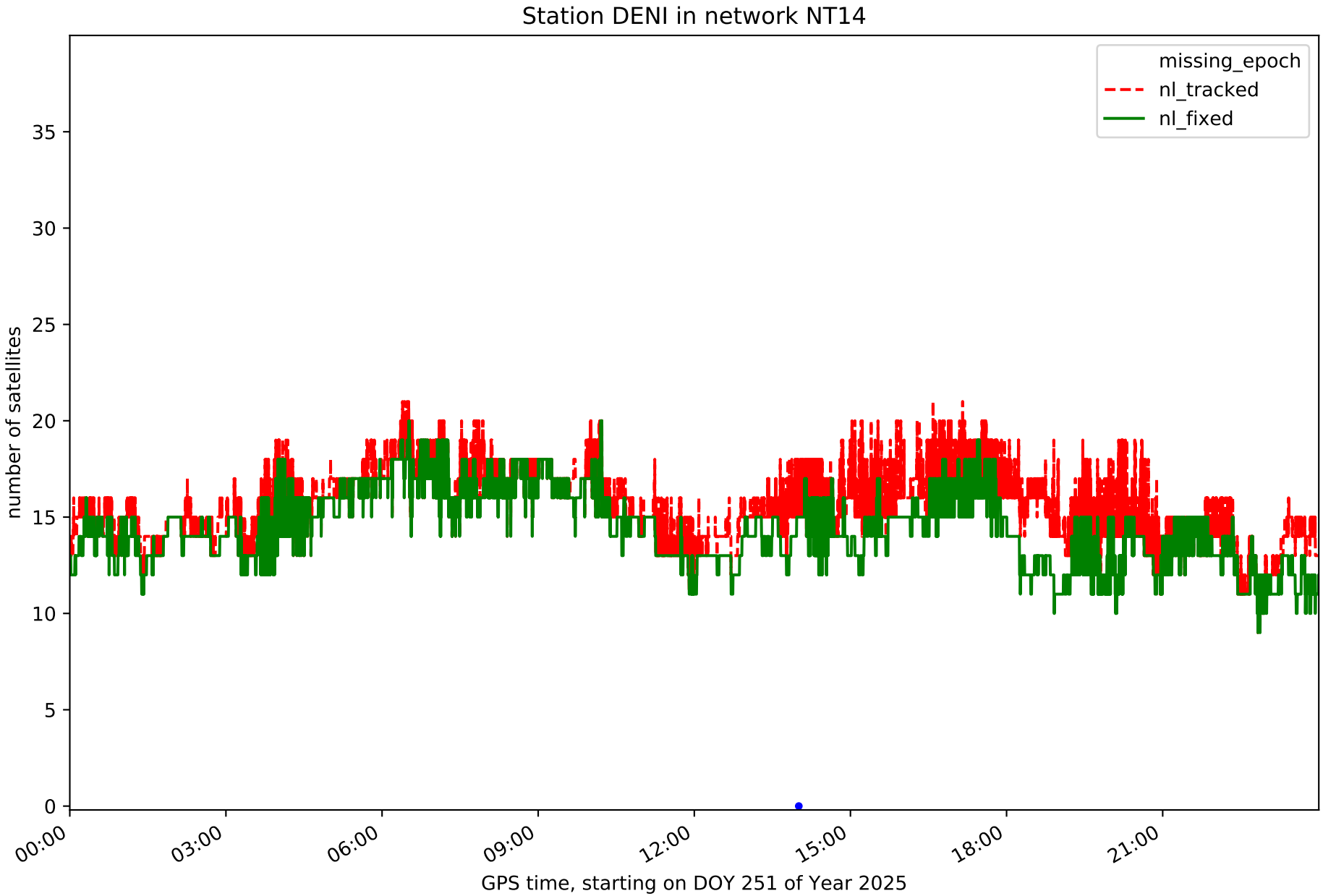

Station ABAN in network NT14
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 251 of Year 2025

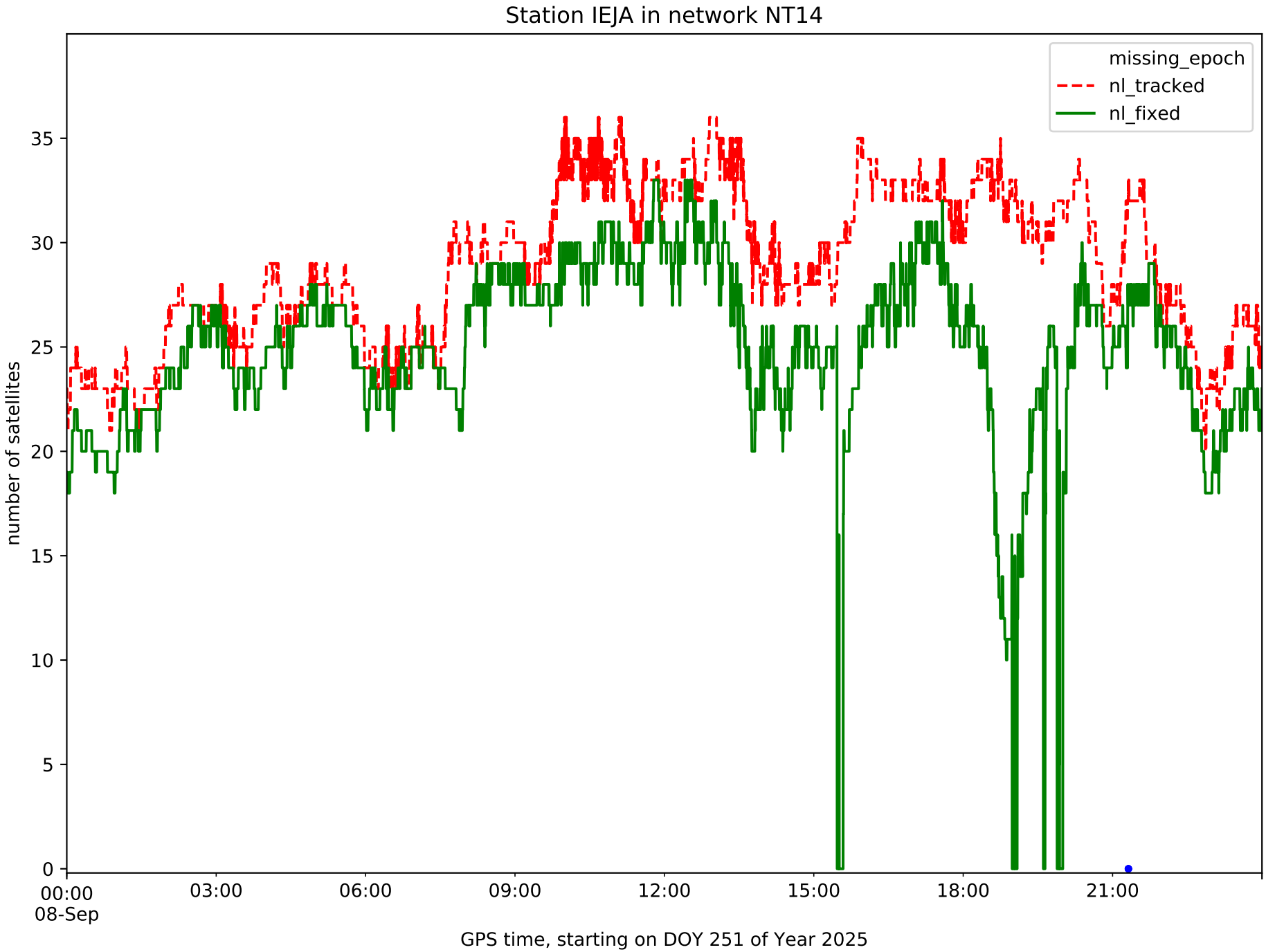

Station AIO2 in network NT14
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 251 of Year 2025

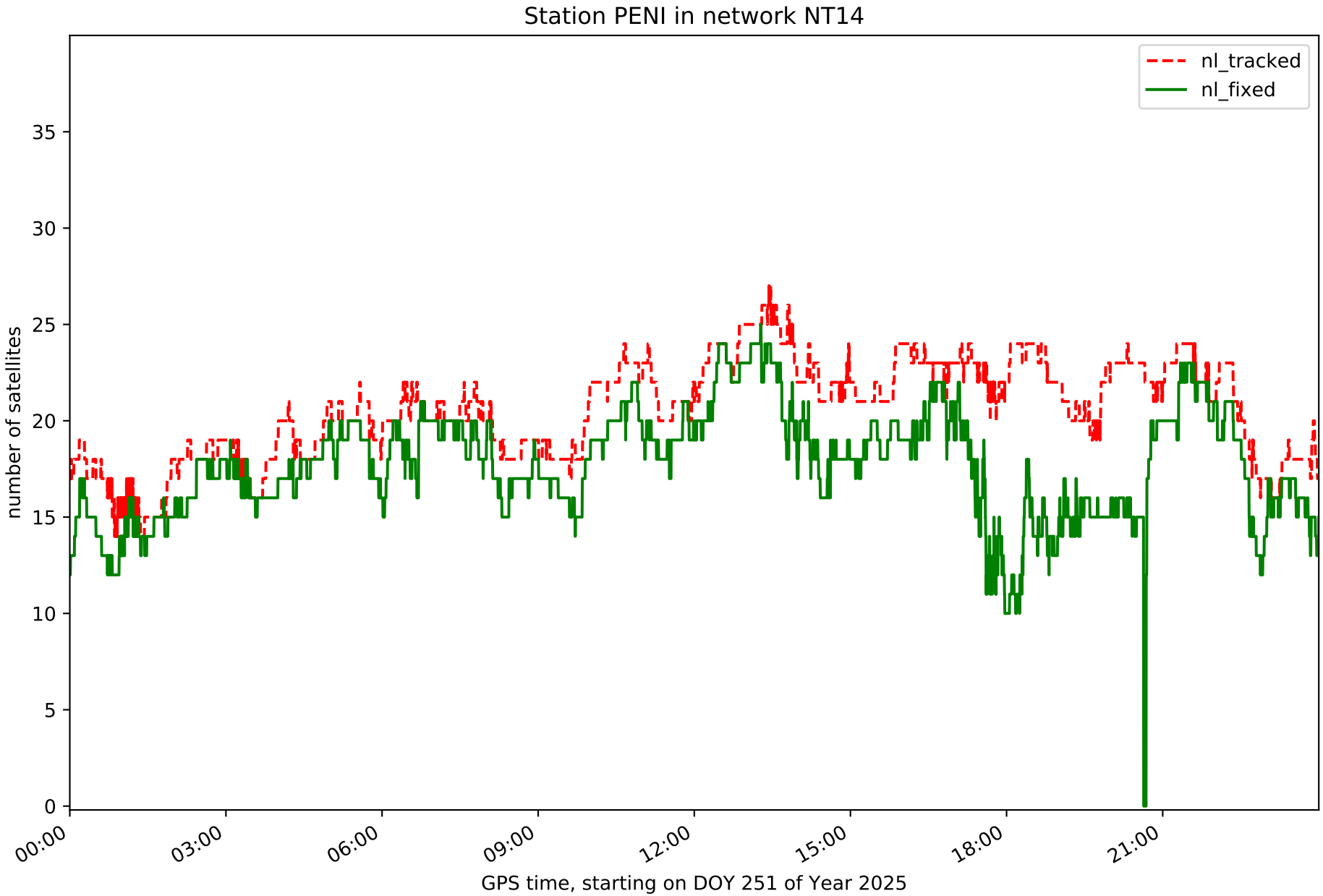

Station ALAC in network NT14
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 251 of Year 2025

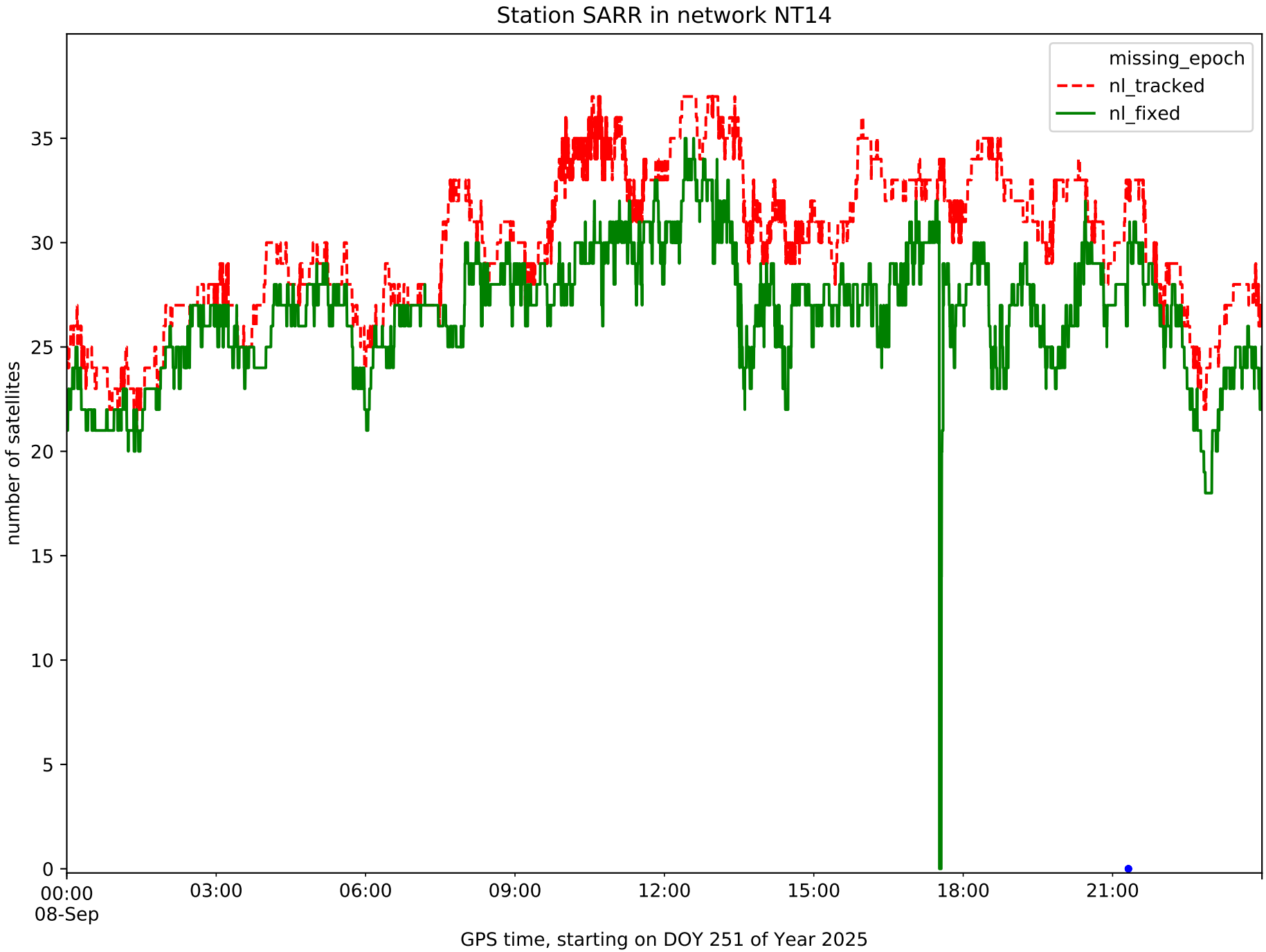

Station ALCO in network NT14
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 251 of Year 2025

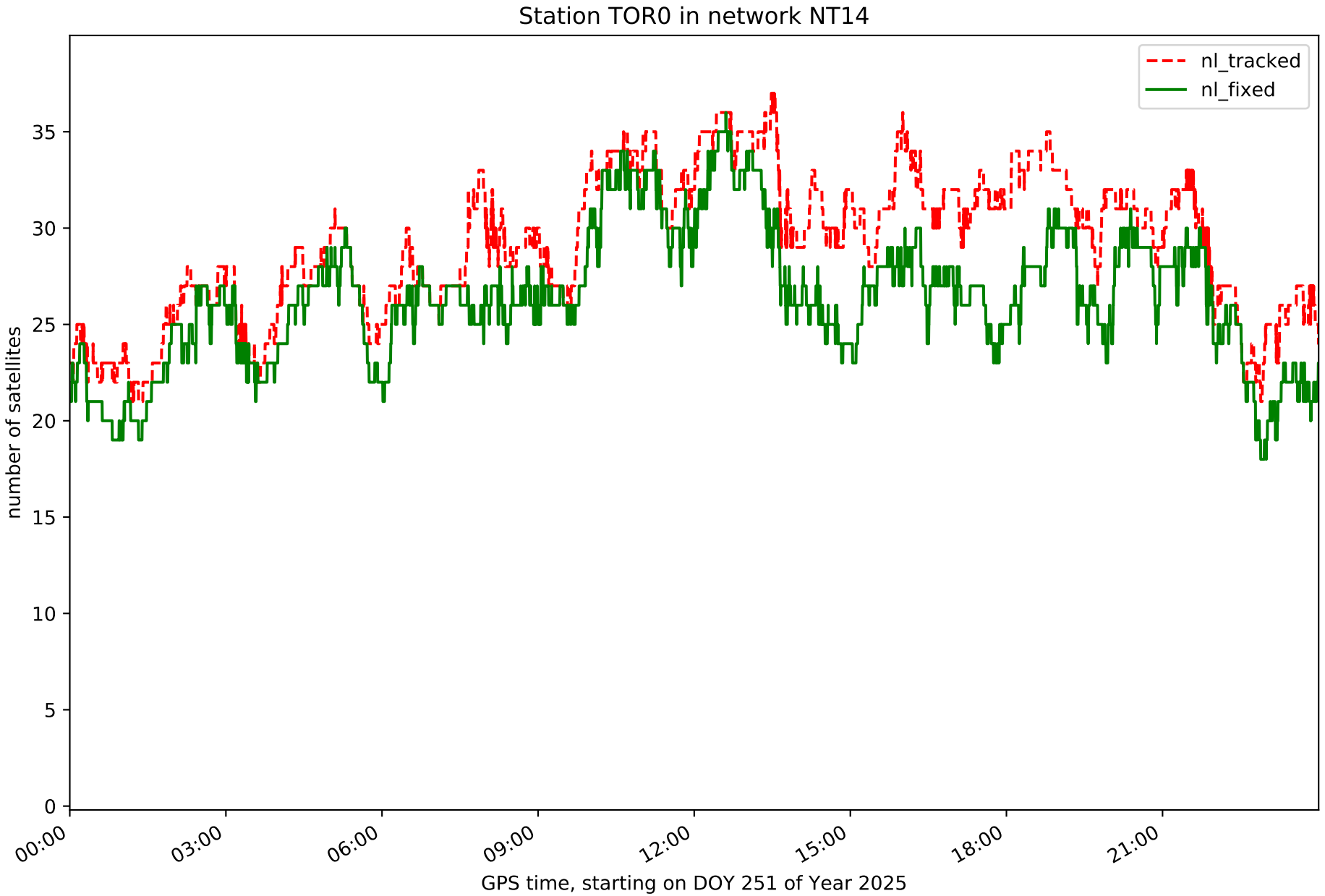

Station BORR in network NT14
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 251 of Year 2025

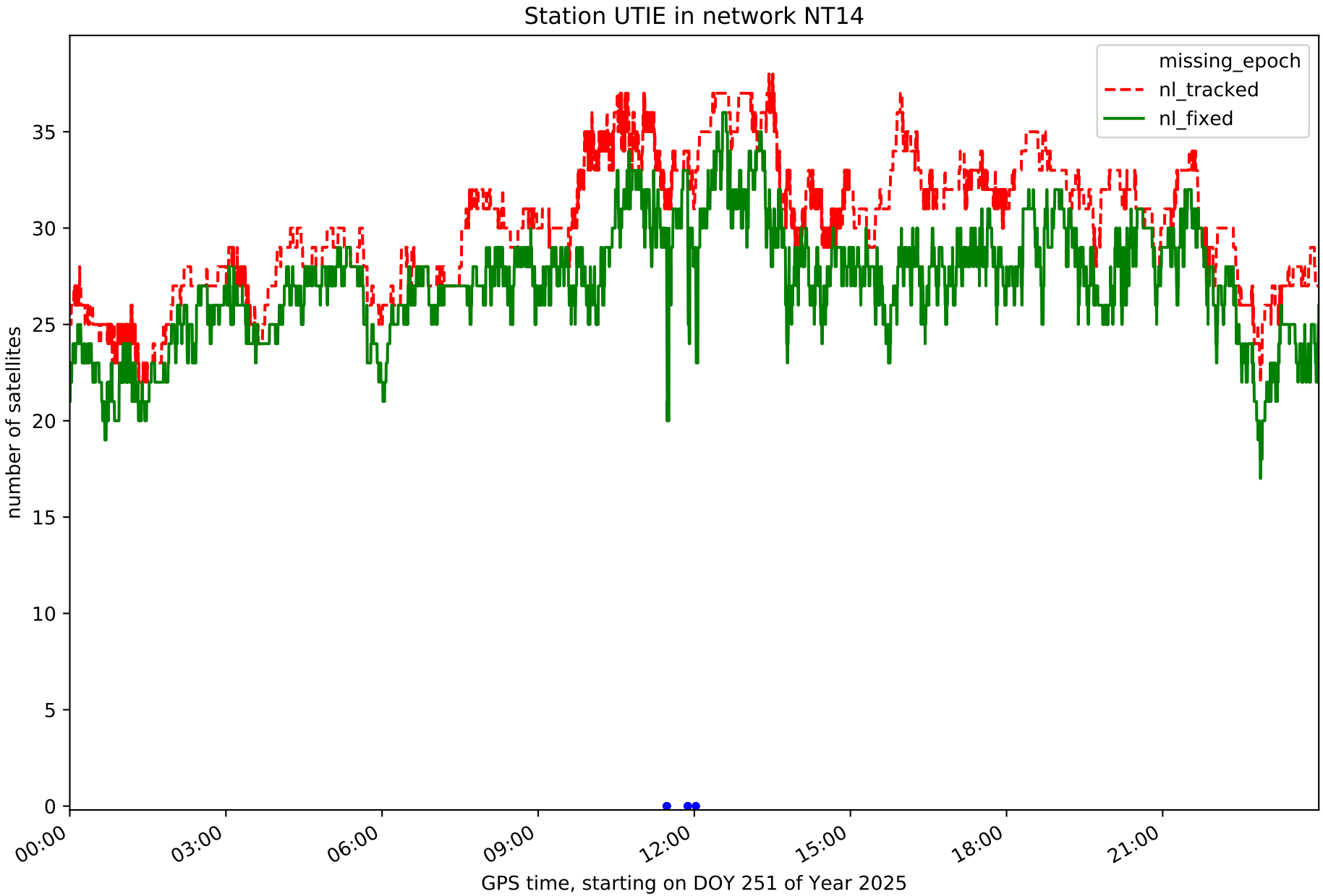

Station DENI in network NT14
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 251 of Year 2025

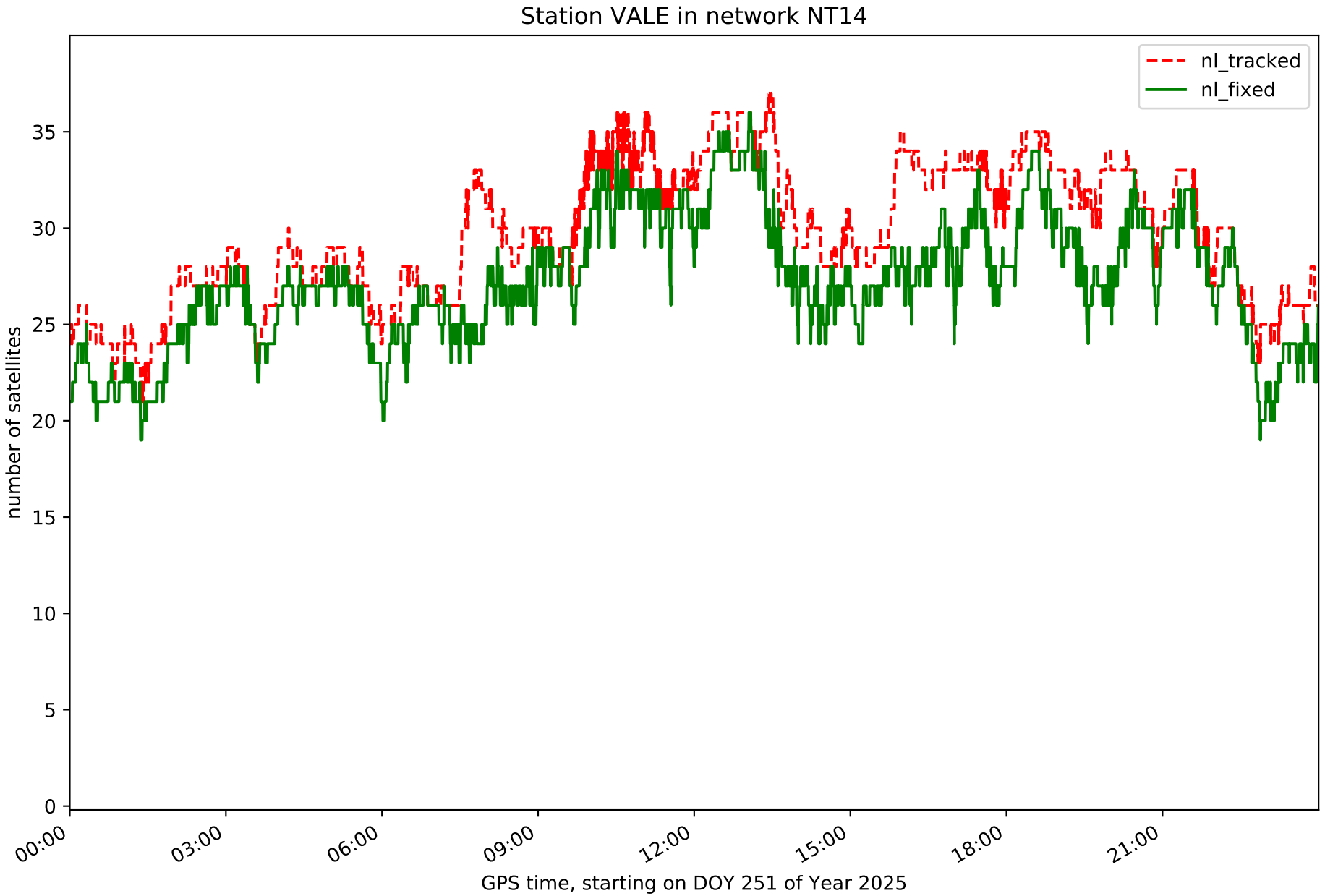

Station IEJA in network NT14
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
08-Sep
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 251 of Year 2025

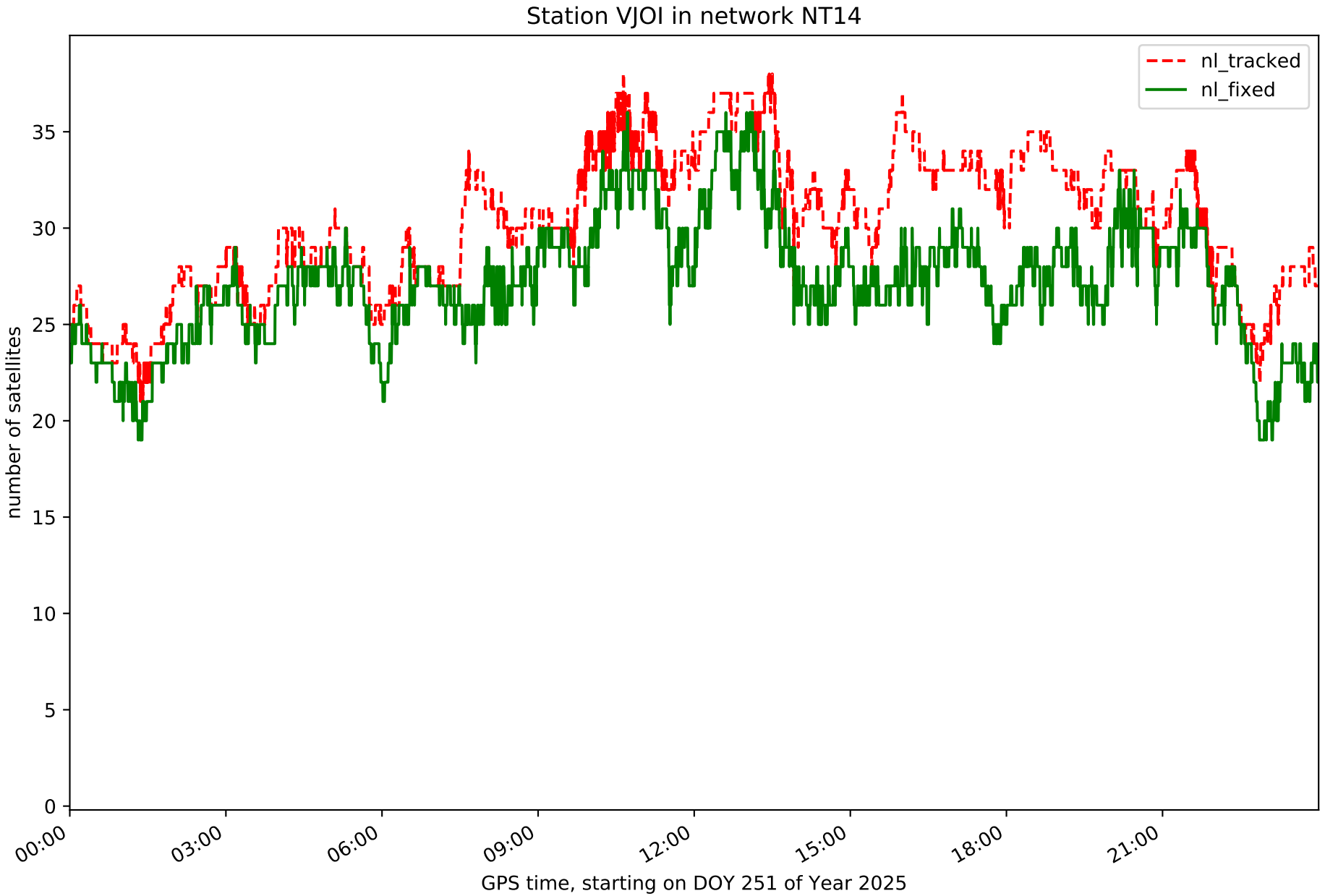

Station PENI in network NT14
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 251 of Year 2025

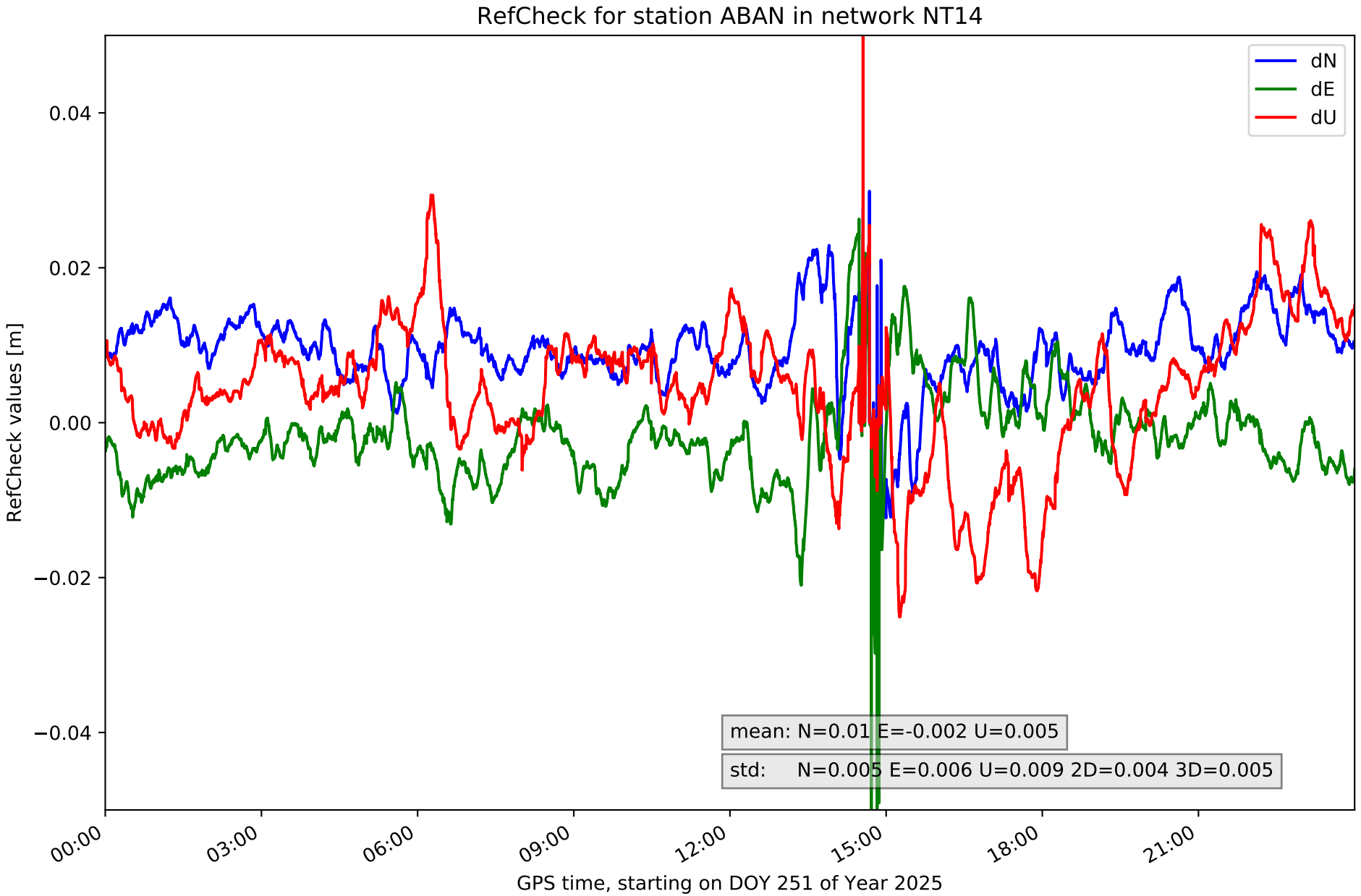

Station SARR in network NT14
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
08-Sep
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 251 of Year 2025

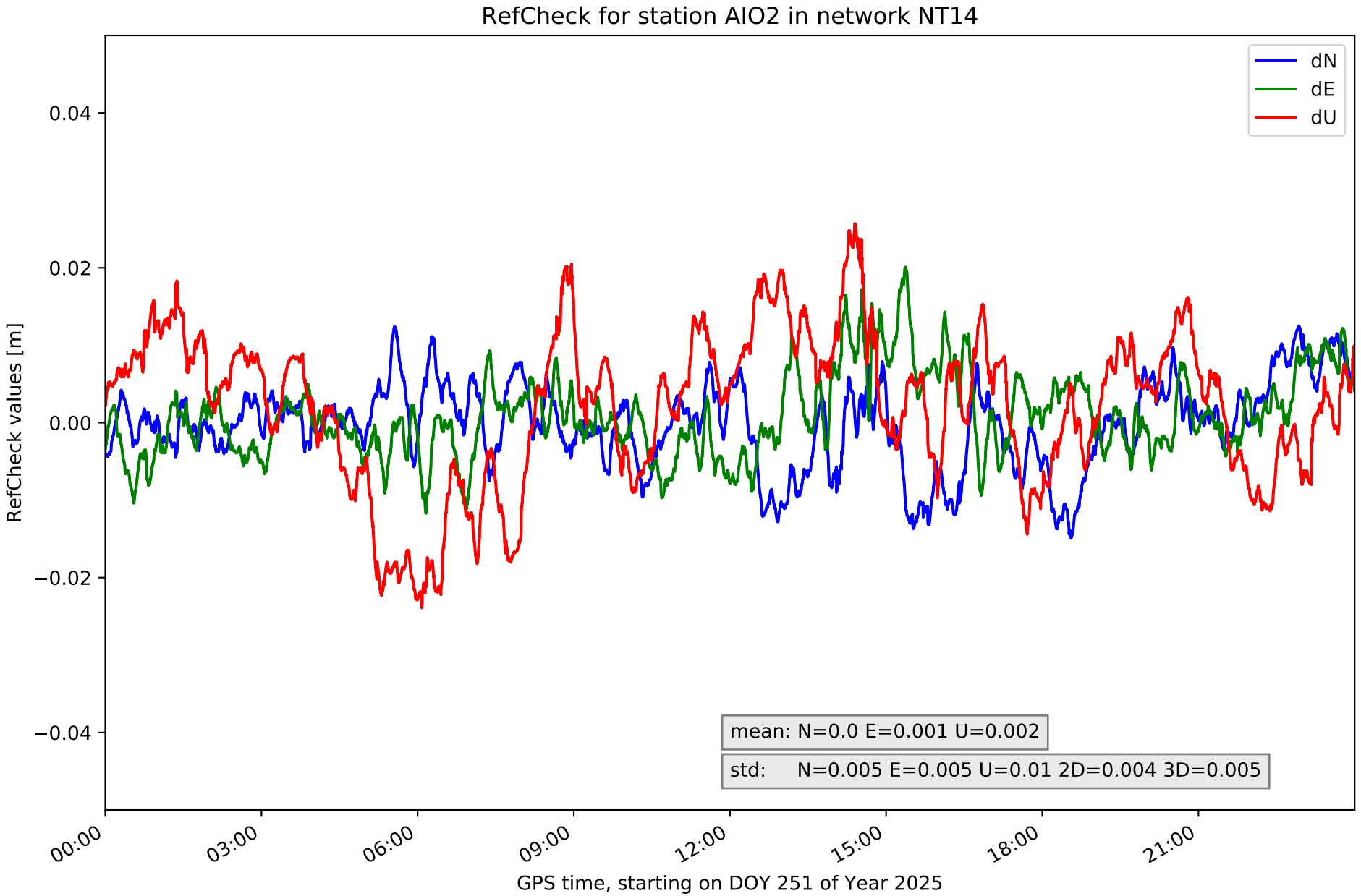

Station TOR0 in network NT14
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 251 of Year 2025

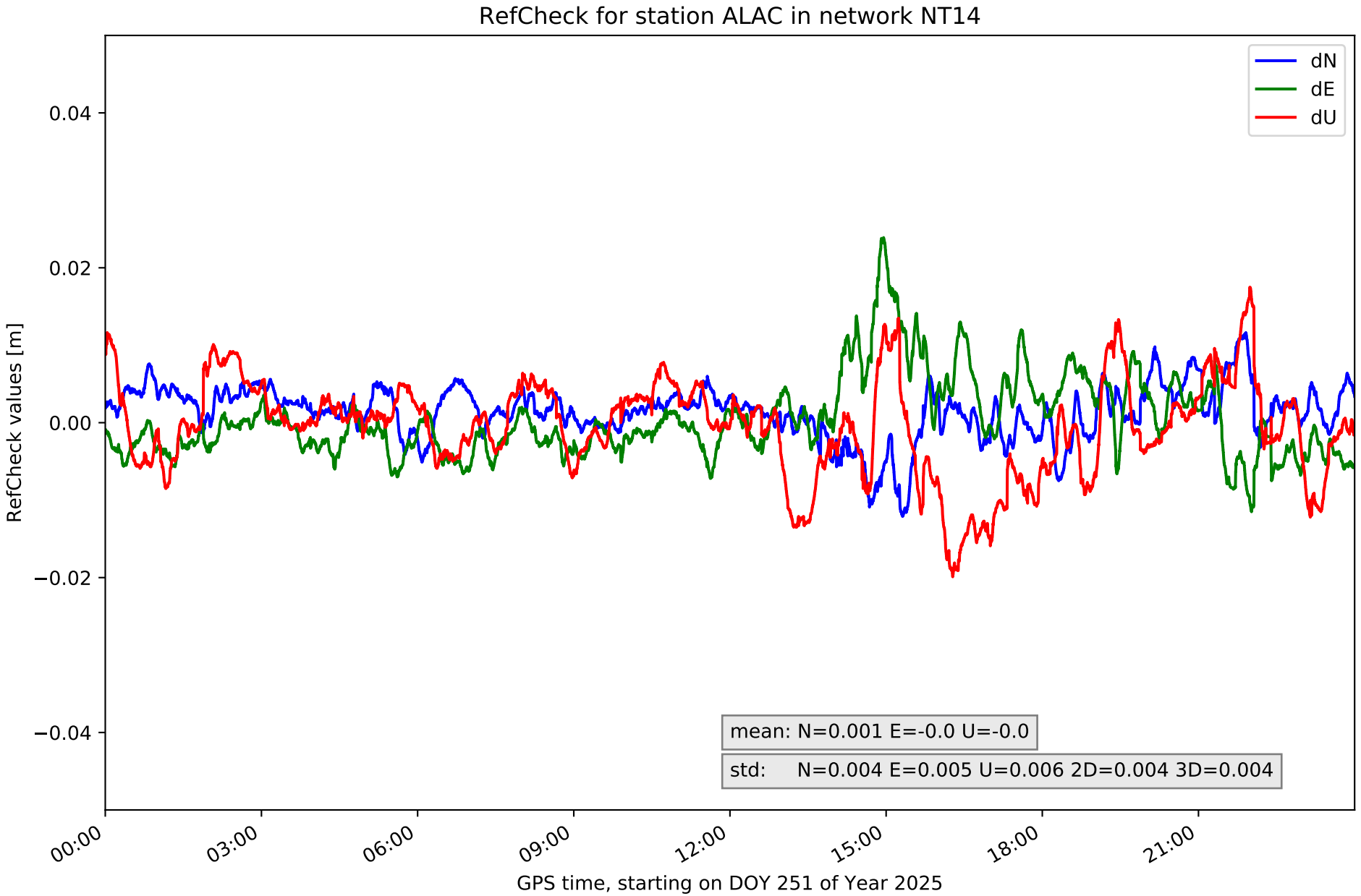

Station UTIE in network NT14
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 251 of Year 2025

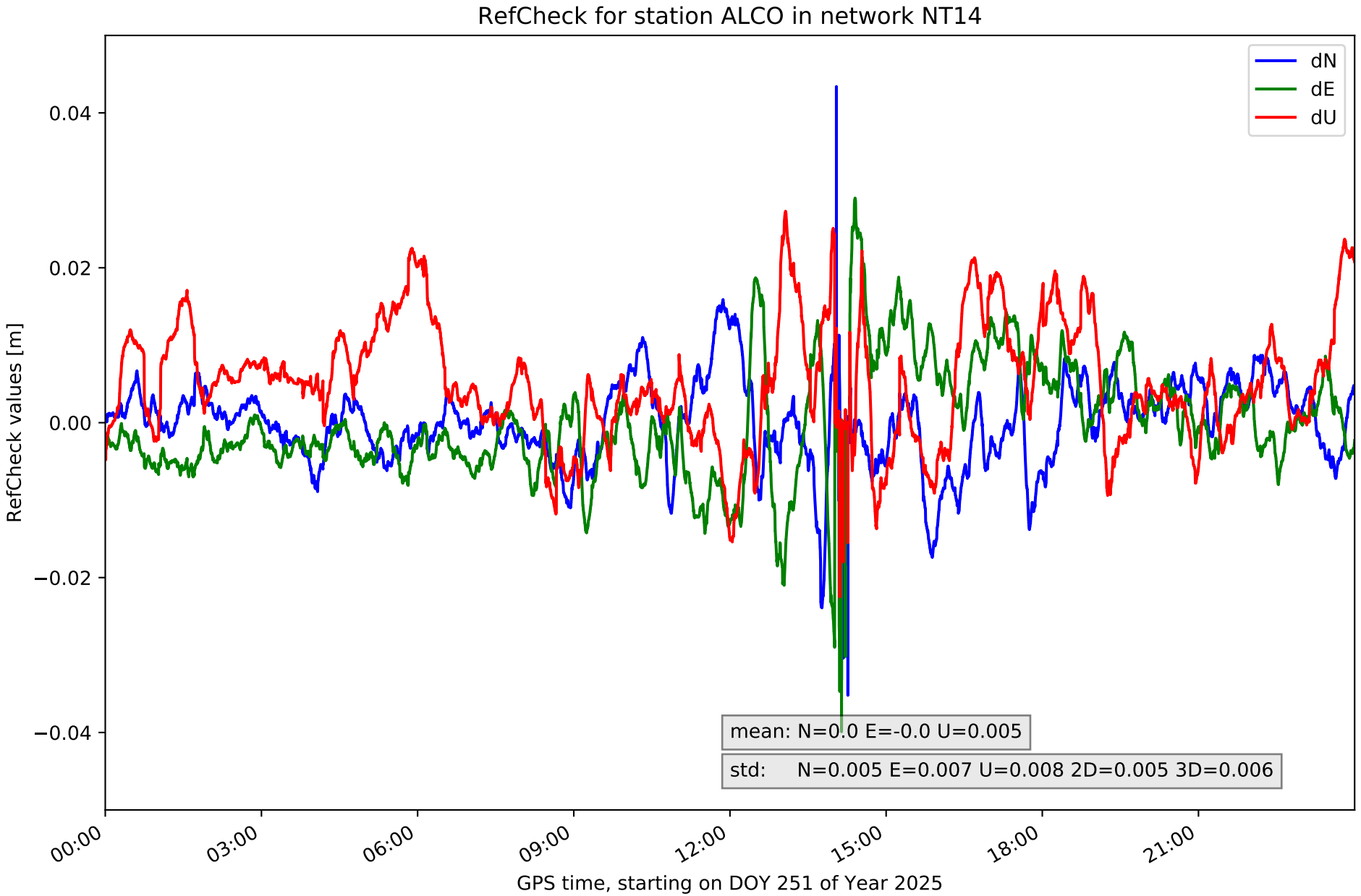

Station VALE in network NT14
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 251 of Year 2025

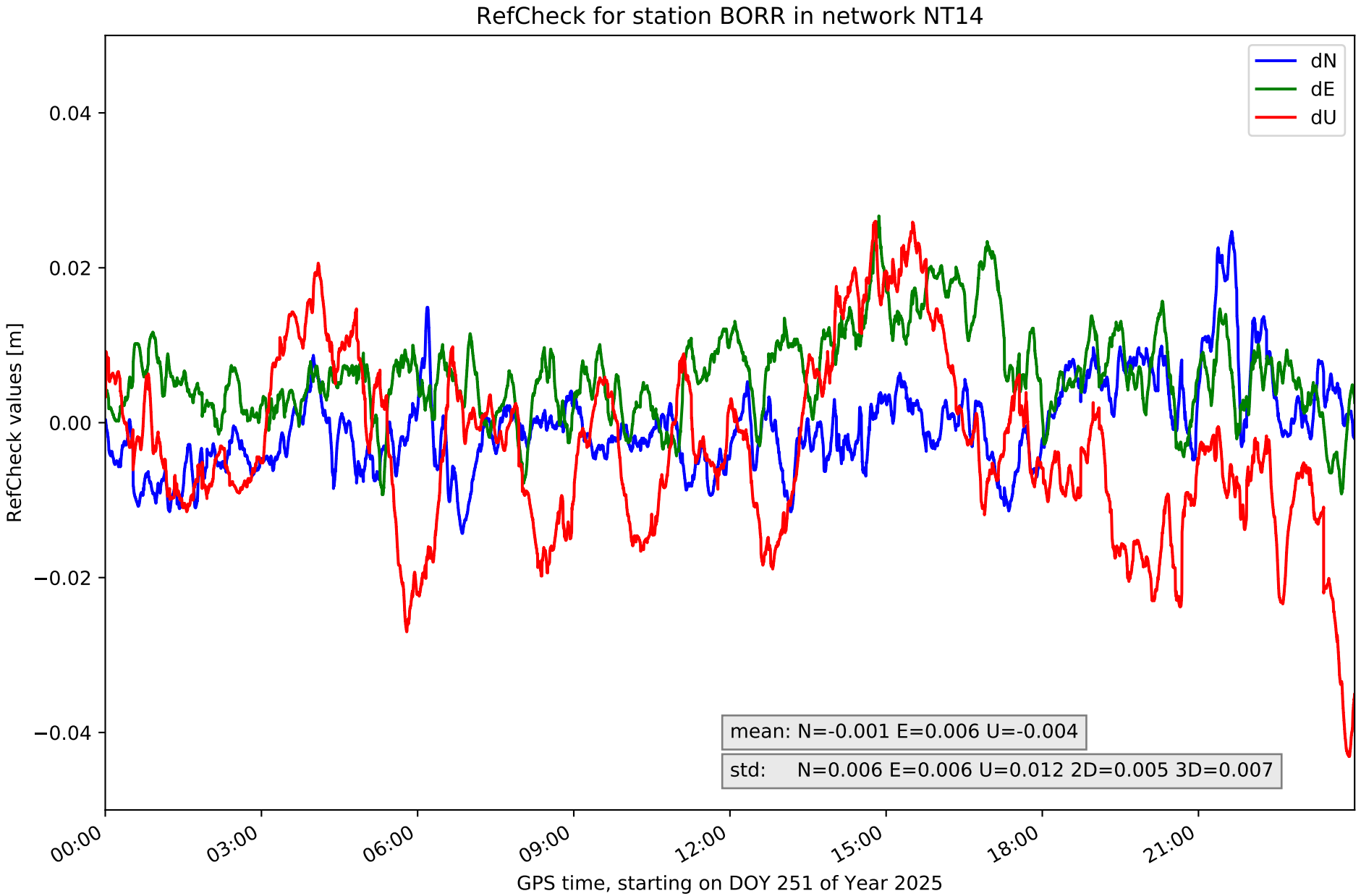

Station VJOI in network NT14
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 251 of Year 2025

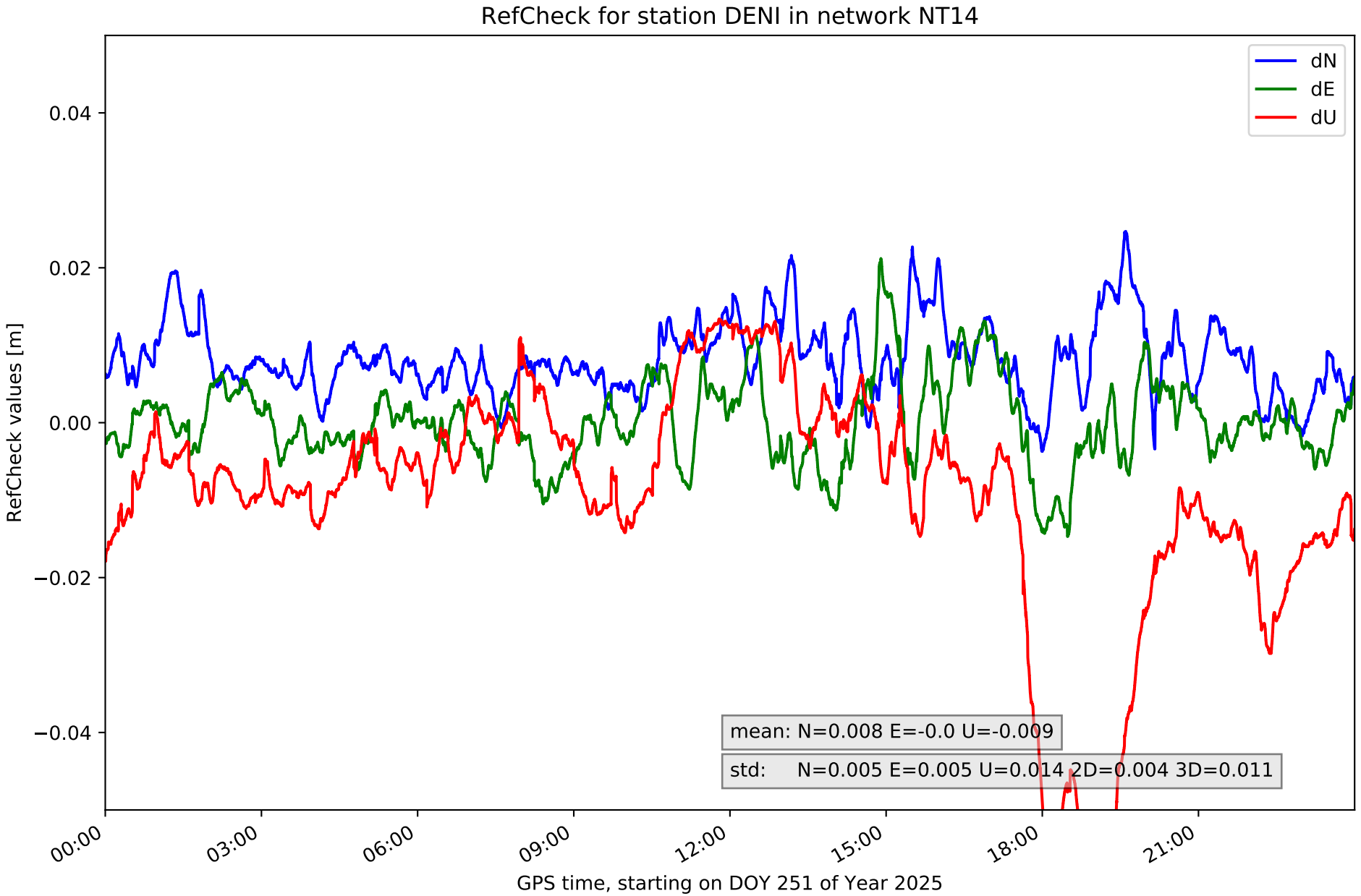

RefCheck for station ABAN in network NT14
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.01 E=-0.002 U=0.005
std: N=0.005 E=0.006 U=0.009 2D=0.004 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 251 of Year 2025

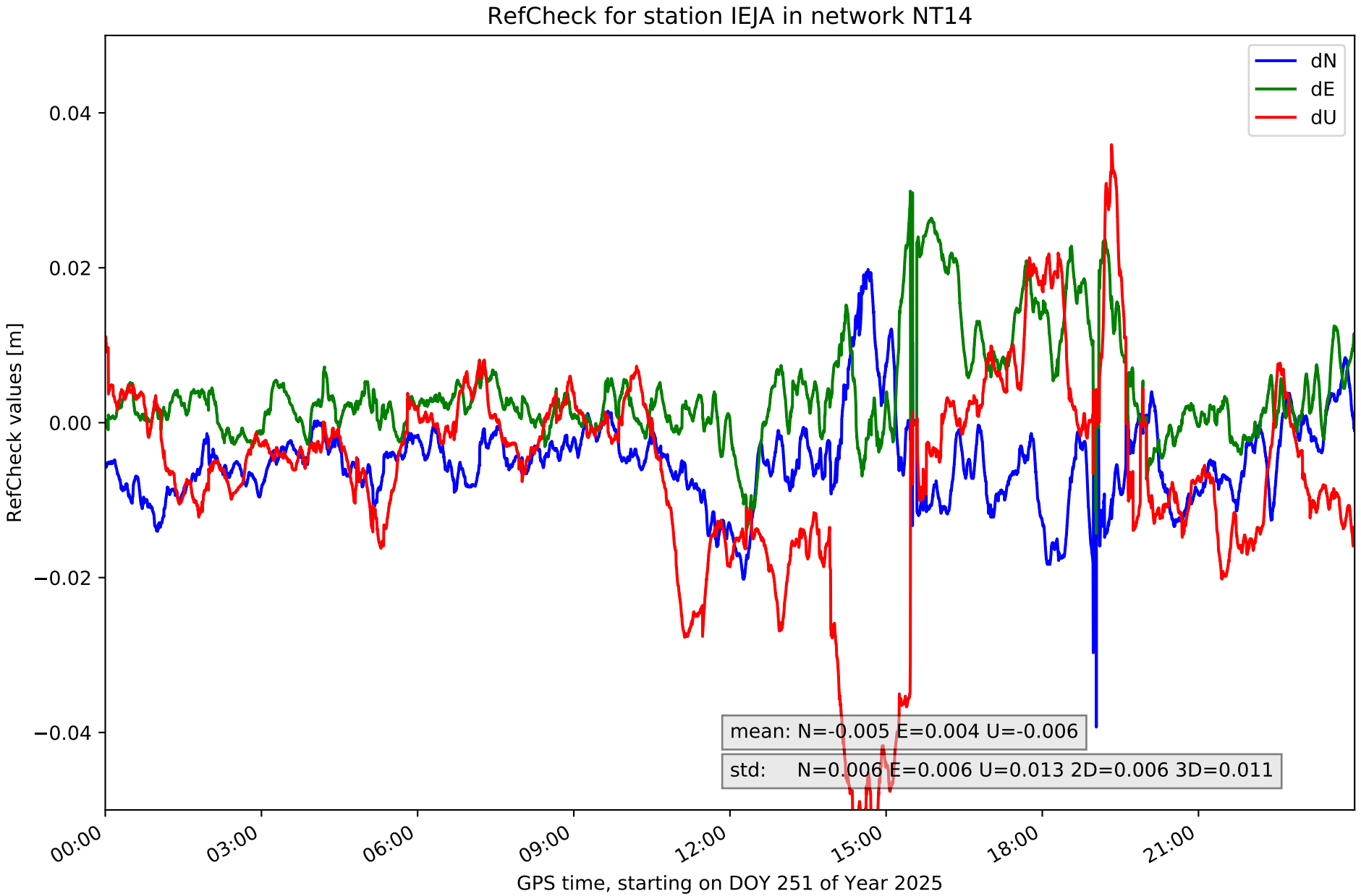

RefCheck for station AIO2 in network NT14
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.0 E=0.001 U=0.002
std: N=0.005 E=0.005 U=0.01 2D=0.004 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 251 of Year 2025

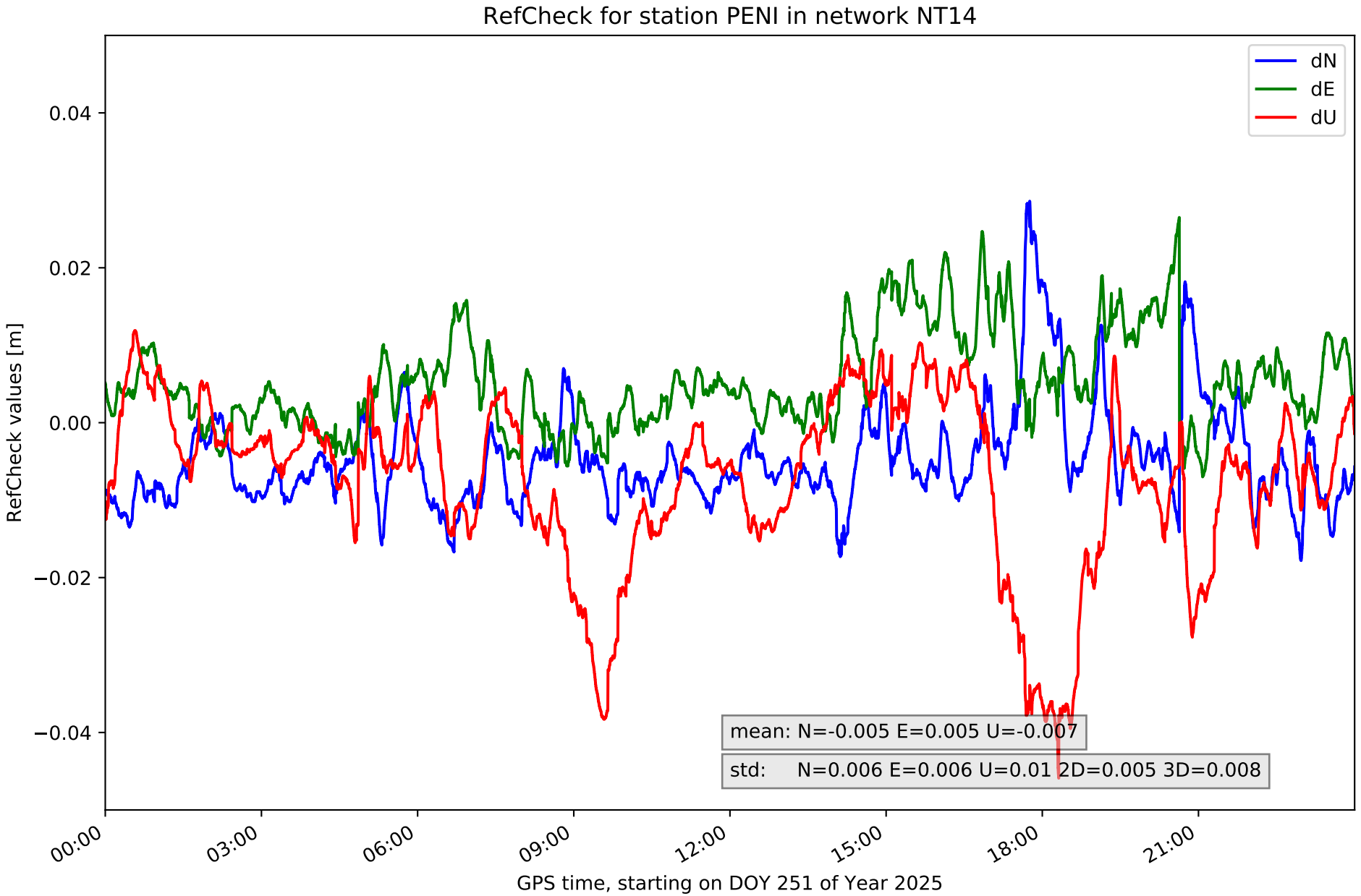

RefCheck for station ALAC in network NT14
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.001 E=-0.0 U=-0.0
std: N=0.004 E=0.005 U=0.006 2D=0.004 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 251 of Year 2025

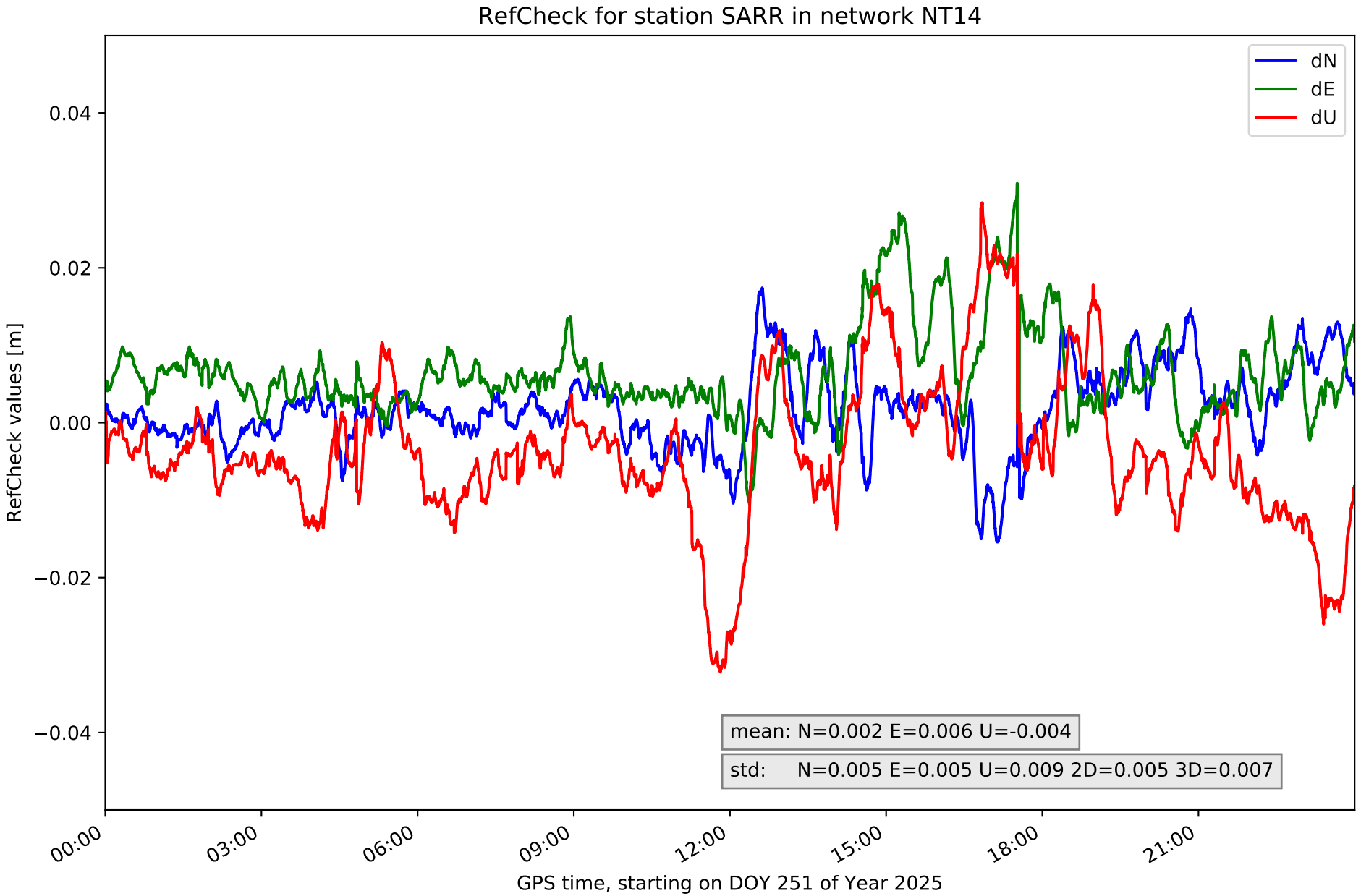

RefCheck for station ALCO in network NT14
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.0 E=-0.0 U=0.005
std: N=0.005 E=0.007 U=0.008 2D=0.005 3D=0.006
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 251 of Year 2025

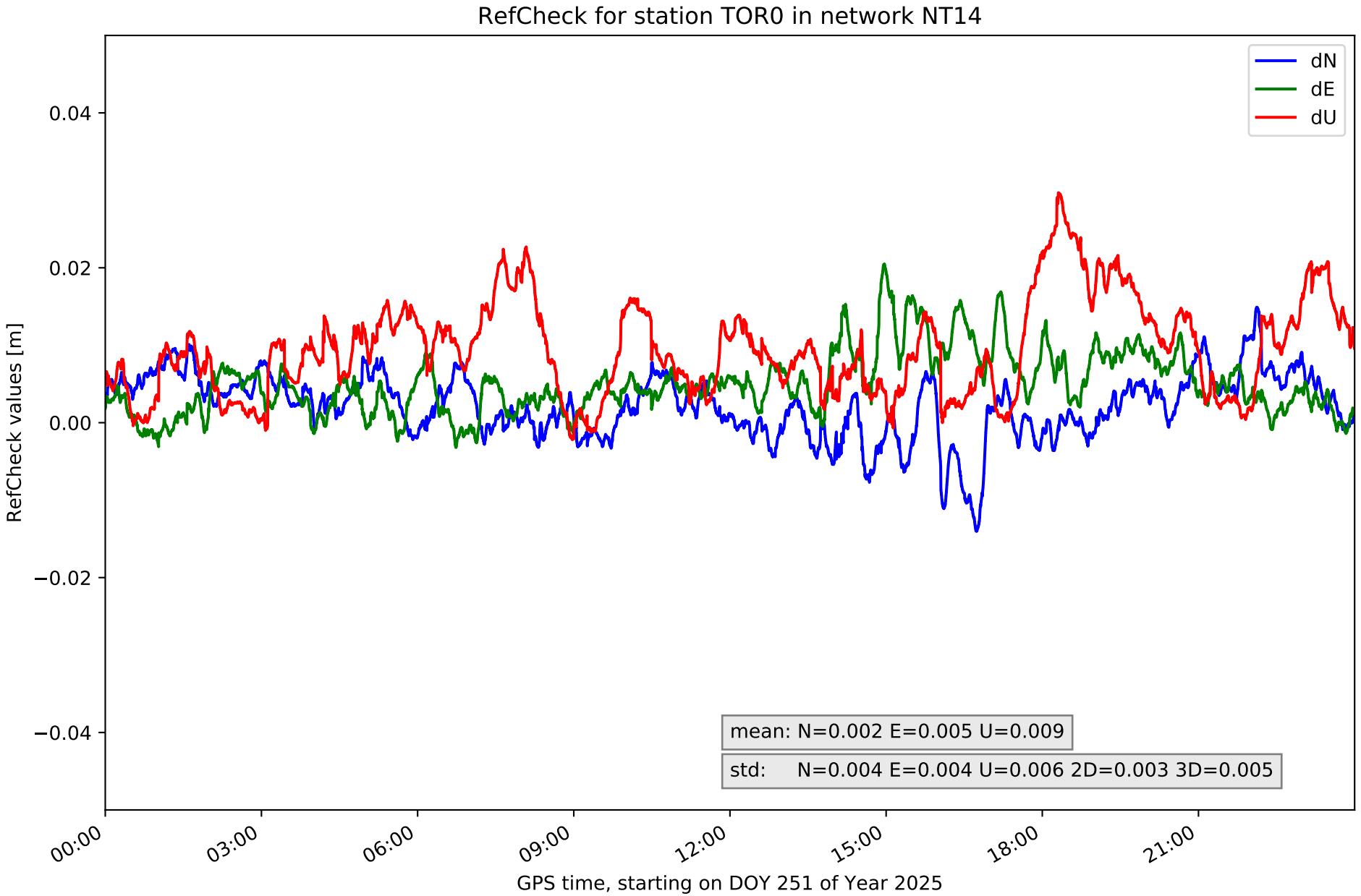

RefCheck for station BORR in network NT14
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.001 E=0.006 U=-0.004
std: N=0.006 E=0.006 U=0.012 2D=0.005 3D=0.007
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 251 of Year 2025

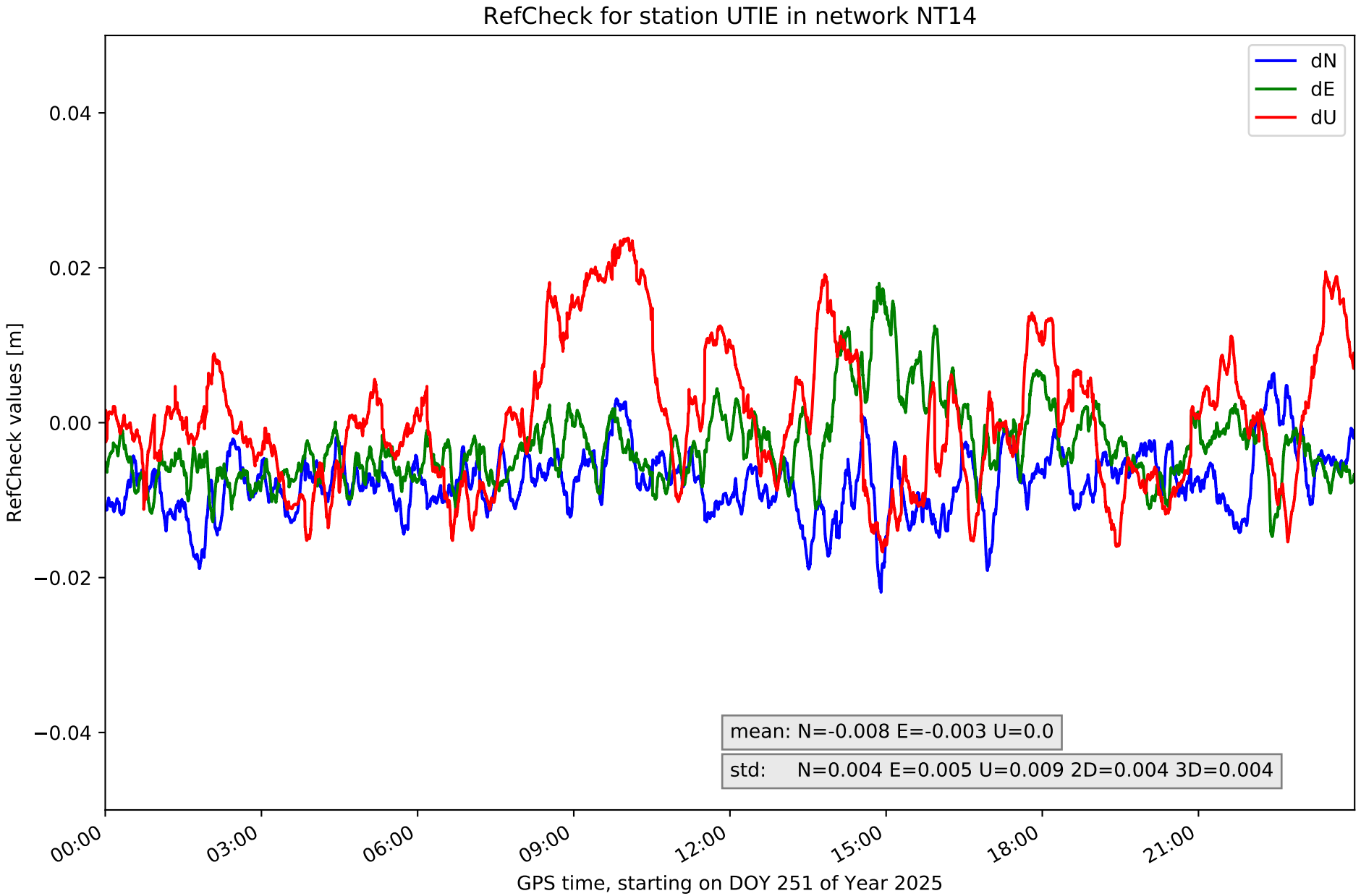

RefCheck for station DENI in network NT14
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.008 E=-0.0 U=-0.009
std: N=0.005 E=0.005 U=0.014 2D=0.004 3D=0.011
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 251 of Year 2025

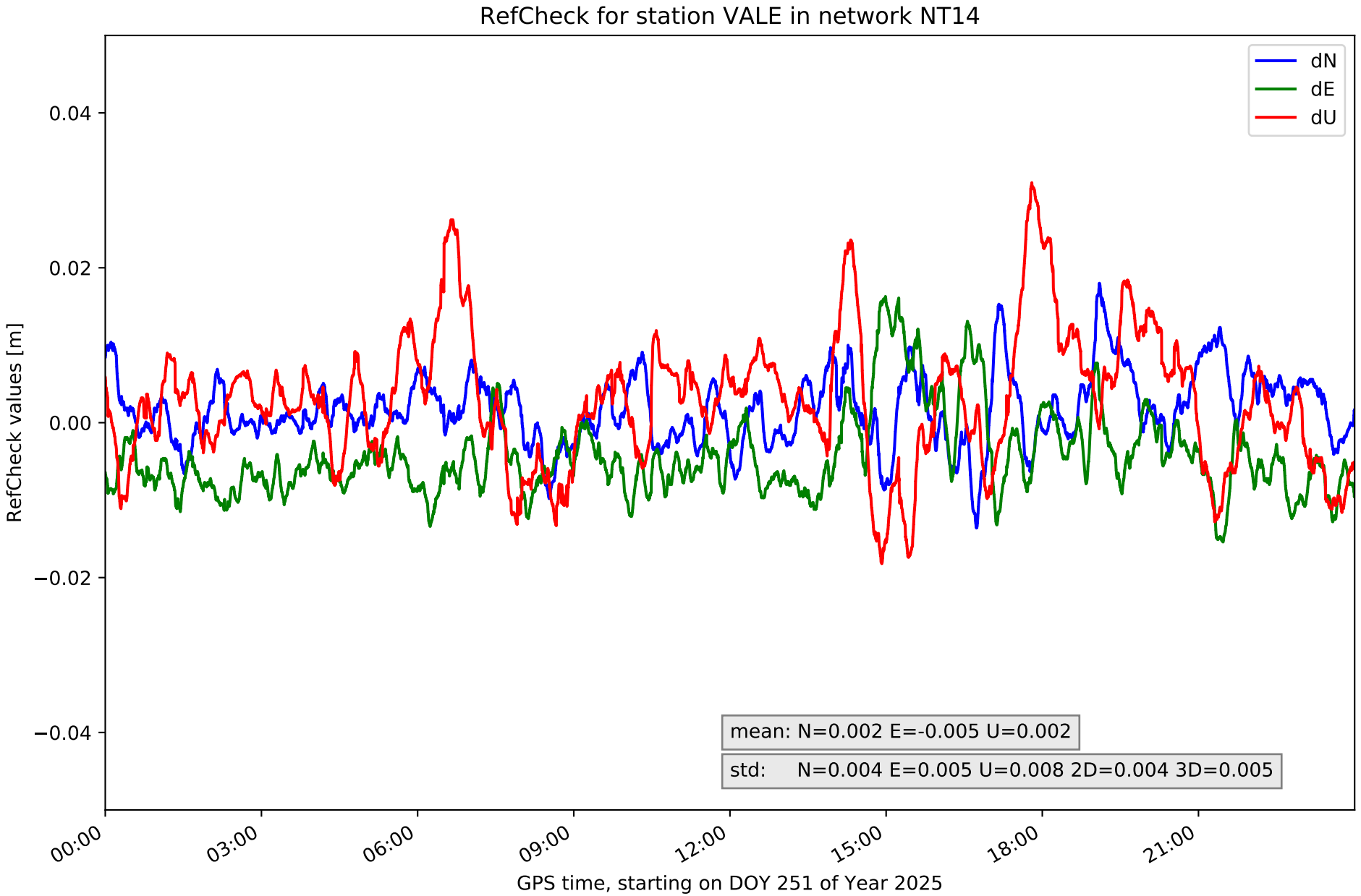

RefCheck for station IEJA in network NT14
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.005 E=0.004 U=-0.006
std: N=0.006 E=0.006 U=0.013 2D=0.006 3D=0.011
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 251 of Year 2025

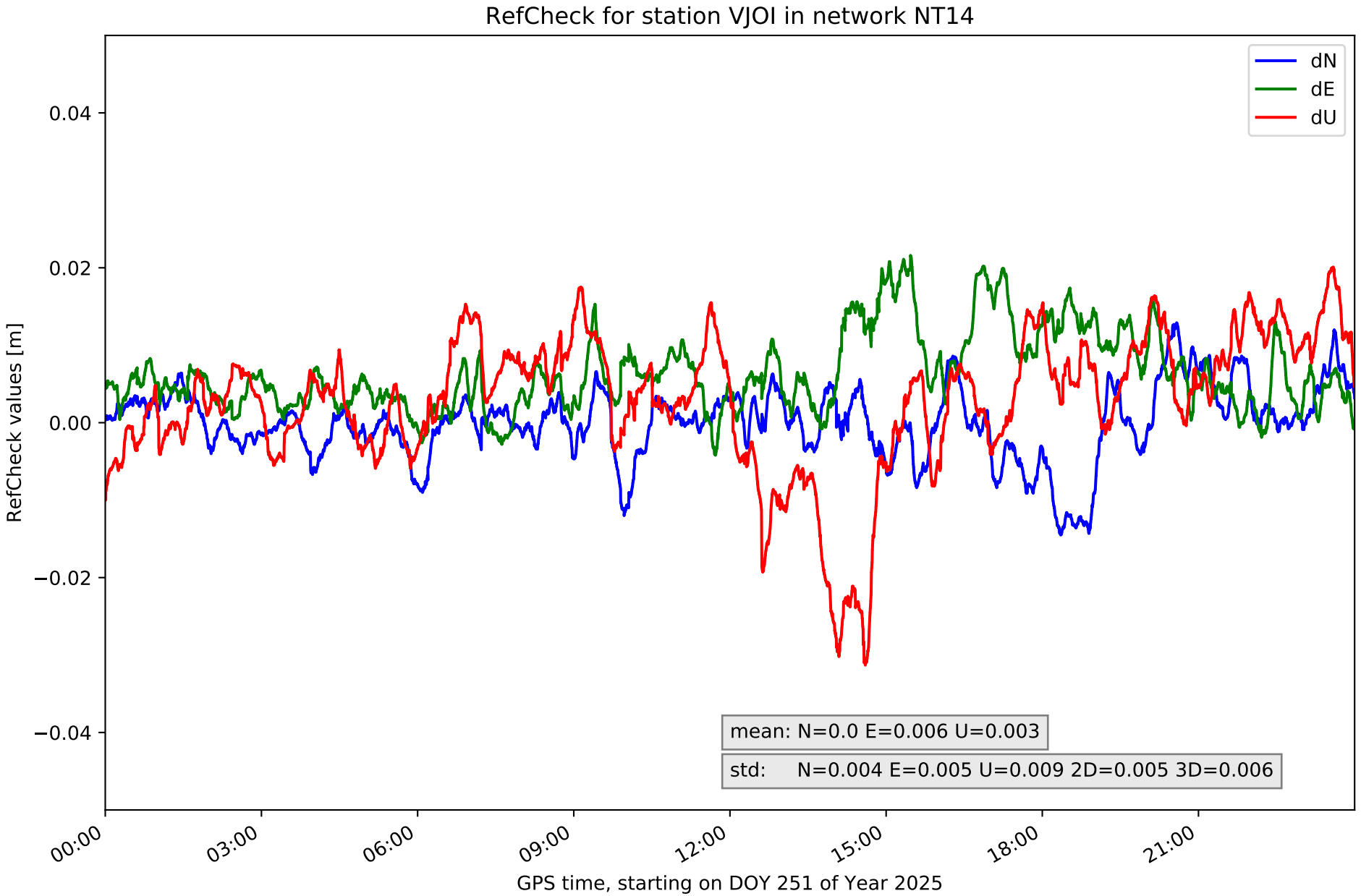

RefCheck for station PENI in network NT14
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.005 E=0.005 U=-0.007
std: N=0.006 E=0.006 U=0.01 2D=0.005 3D=0.008
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 251 of Year 2025


RefCheck for station SARR in network NT14
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=0.006 U=-0.004
std: N=0.005 E=0.005 U=0.009 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 251 of Year 2025


RefCheck for station TOR0 in network NT14
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=0.005 U=0.009
std: N=0.004 E=0.004 U=0.006 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 251 of Year 2025


RefCheck for station UTIE in network NT14
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.008 E=-0.003 U=0.0
std: N=0.004 E=0.005 U=0.009 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 251 of Year 2025


RefCheck for station VALE in network NT14
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=-0.005 U=0.002
std: N=0.004 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 251 of Year 2025


RefCheck for station VJOI in network NT14
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.0 E=0.006 U=0.003
std: N=0.004 E=0.005 U=0.009 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 251 of Year 2025

RefCheck values for network NT14

Station	Nmin	Nmax	Nstd	Emin	Emax	Estd	Umin	Umax	Ustd	std2D	std3D	#2D > 0.01	% 2D > 0.01	#3D > 0.02	% 3D > 0.02
ABAN	-0.012	0.03	0.005	**-0.056**	0.026	0.006	-0.025	**0.051**	0.009	0.004	0.005	**41457**	**64.1**	10504	16.2
AIO2	-0.015	0.013	0.005	-0.012	0.02	0.005	-0.024	0.026	0.01	0.004	0.005	12057	18.6	5665	8.8
ALAC	-0.012	0.012	0.004	-0.011	0.024	0.005	-0.02	0.018	0.006	0.004	0.004	5499	8.5	1519	2.3
ALCO	-0.035	**0.043**	0.005	-0.04	0.029	**0.007**	-0.022	0.027	0.008	0.005	0.006	13222	20.4	6536	10.1
BORR	-0.014	0.025	**0.006**	-0.009	0.027	0.006	-0.043	0.026	0.012	0.005	0.007	21980	34.0	**13823**	**21.4**
DENI	-0.004	0.025	0.005	-0.015	0.021	0.005	**-0.059**	0.013	**0.014**	0.004	**0.011**	25373	39.2	10660	16.5
IEJA	**-0.039**	0.02	**0.006**	-0.014	0.03	0.006	-0.057	0.036	0.013	**0.006**	**0.011**	18317	28.3	12436	19.2
PENI	-0.018	0.029	**0.006**	-0.007	0.026	0.006	-0.046	0.012	0.01	0.005	0.008	29880	46.2	12782	19.8
SARR	-0.015	0.017	0.005	-0.011	**0.031**	0.005	-0.032	0.028	0.009	0.005	0.007	16911	26.1	8186	12.7
TOR0	-0.014	0.015	0.004	-0.003	0.021	0.004	-0.002	0.03	0.006	0.003	0.005	9179	14.2	6360	9.8
UTIE	-0.022	0.006	0.004	-0.015	0.018	0.005	-0.017	0.024	0.009	0.004	0.004	30338	46.9	4273	6.6
VALE	-0.014	0.018	0.004	-0.015	0.016	0.005	-0.018	0.031	0.008	0.004	0.005	14918	23.1	4071	6.3
VJOI	-0.015	0.013	0.004	-0.004	0.022	0.005	-0.031	0.02	0.009	0.005	0.006	16004	24.7	5375	8.3
Mean	**-0.018**	**0.02**	**0.005**	**-0.016**	**0.024**	**0.005**	**-0.03**	**0.026**	**0.009**	**0.004**	**0.006**	**19625.8**	**30.3**	**7860.8**	**12.2**
Min/Max	**-0.039**	**0.043**	**0.006**	**-0.056**	**0.031**	**0.007**	**-0.059**	**0.051**	**0.014**	**0.006**	**0.011**	**41457**	**64.1**	**13823**	**21.4**

fixing statistic for network NT14

fixing percentage of	all GNSS	G	R	E	C
using threshold 0.3	93.0	93.8	92.3	94.5	90.9
considering satellites with dual-frequency fixed	89.5	90.6	87.7	91.2	87.7
considering all signals separately	89.7	90.9	87.8	91.4	86.9