summary for network NT14

timeperiod chosen: from 2026-10-30-00:00:00 until 2026-10-30-23:59:58

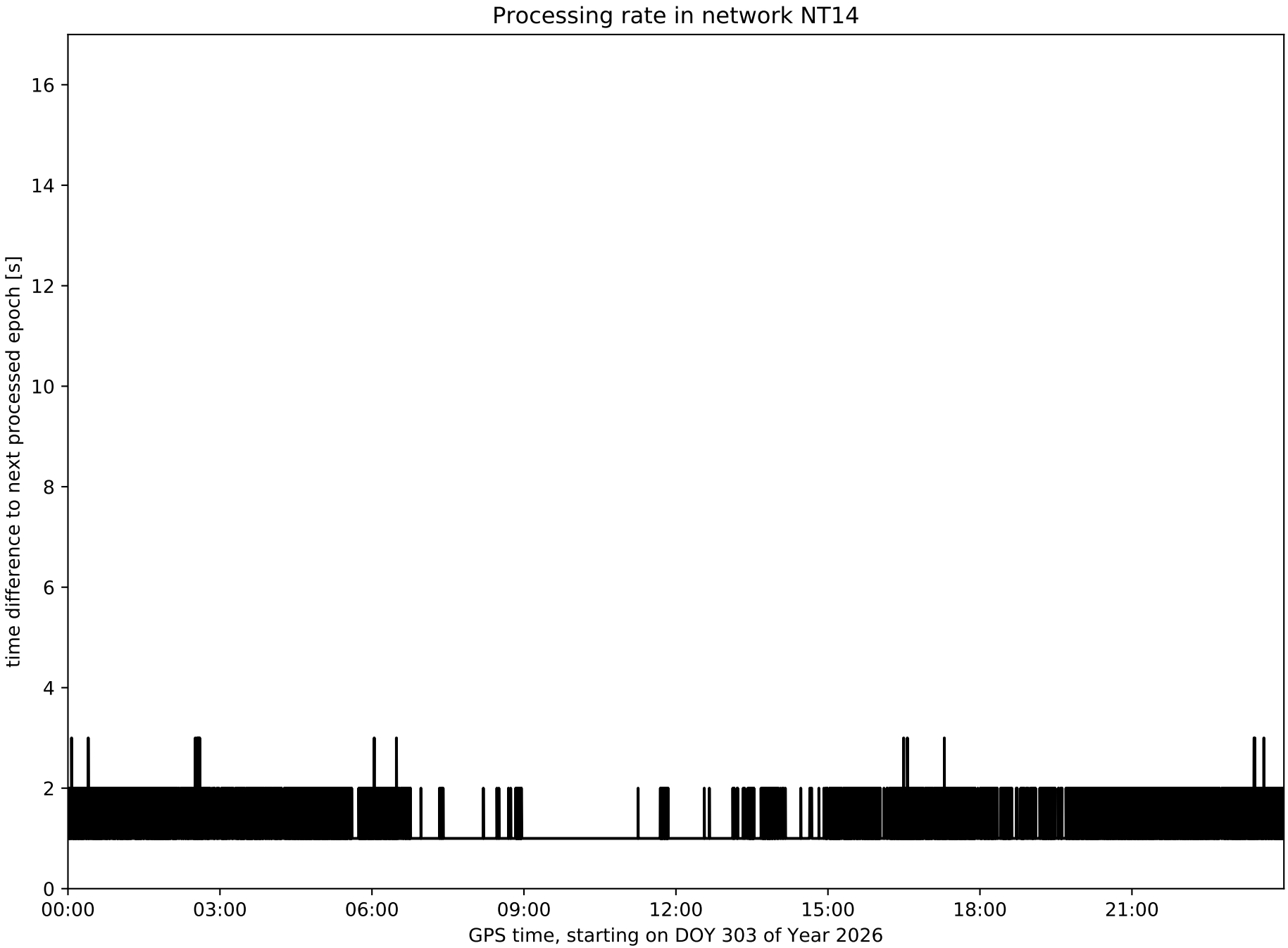
average update rate (durations larger than 15 seconds considered as observation gap): 1.1 seconds

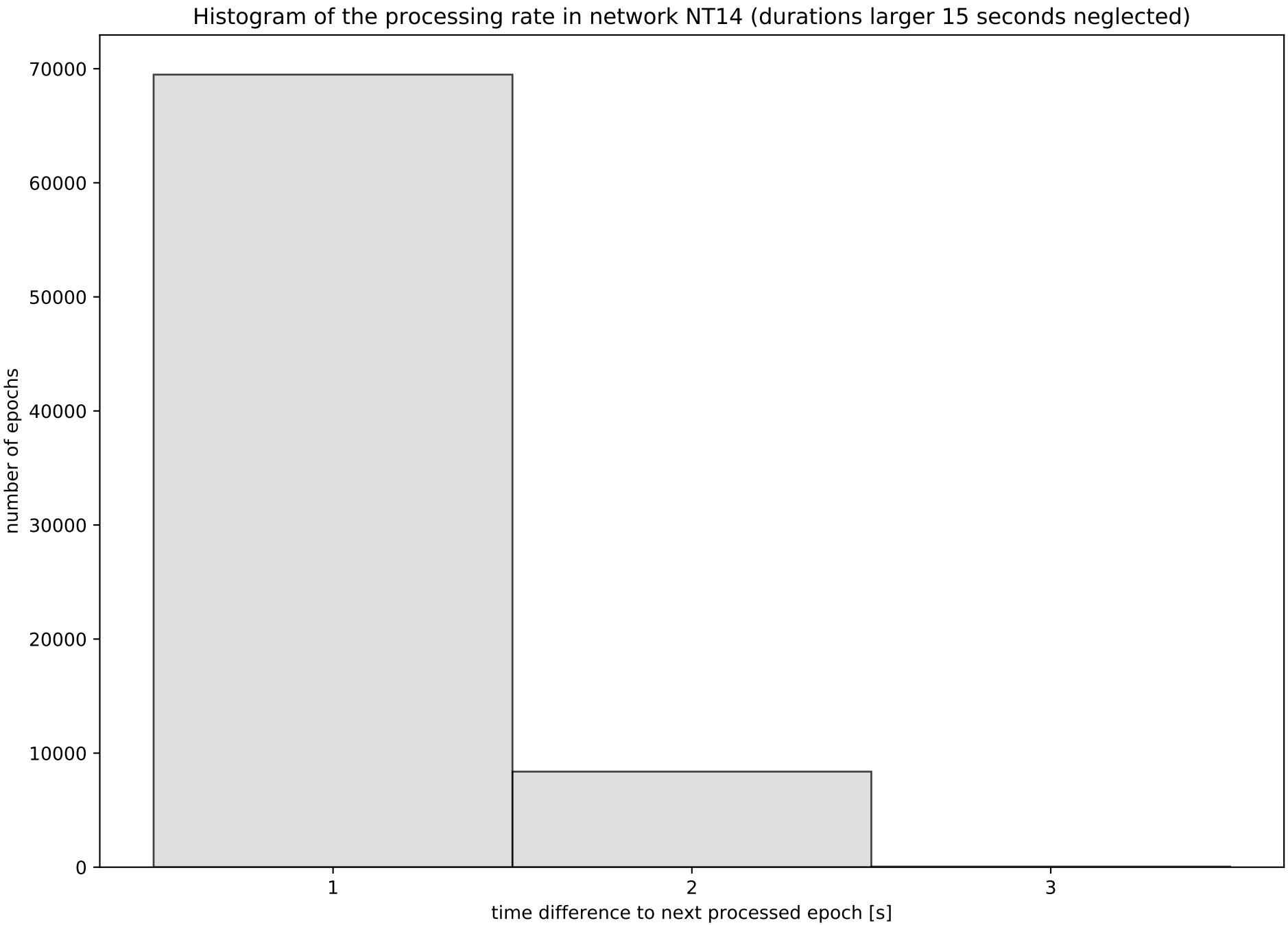
average fixing percentage with threshold set to 0.3: 93.9 percent

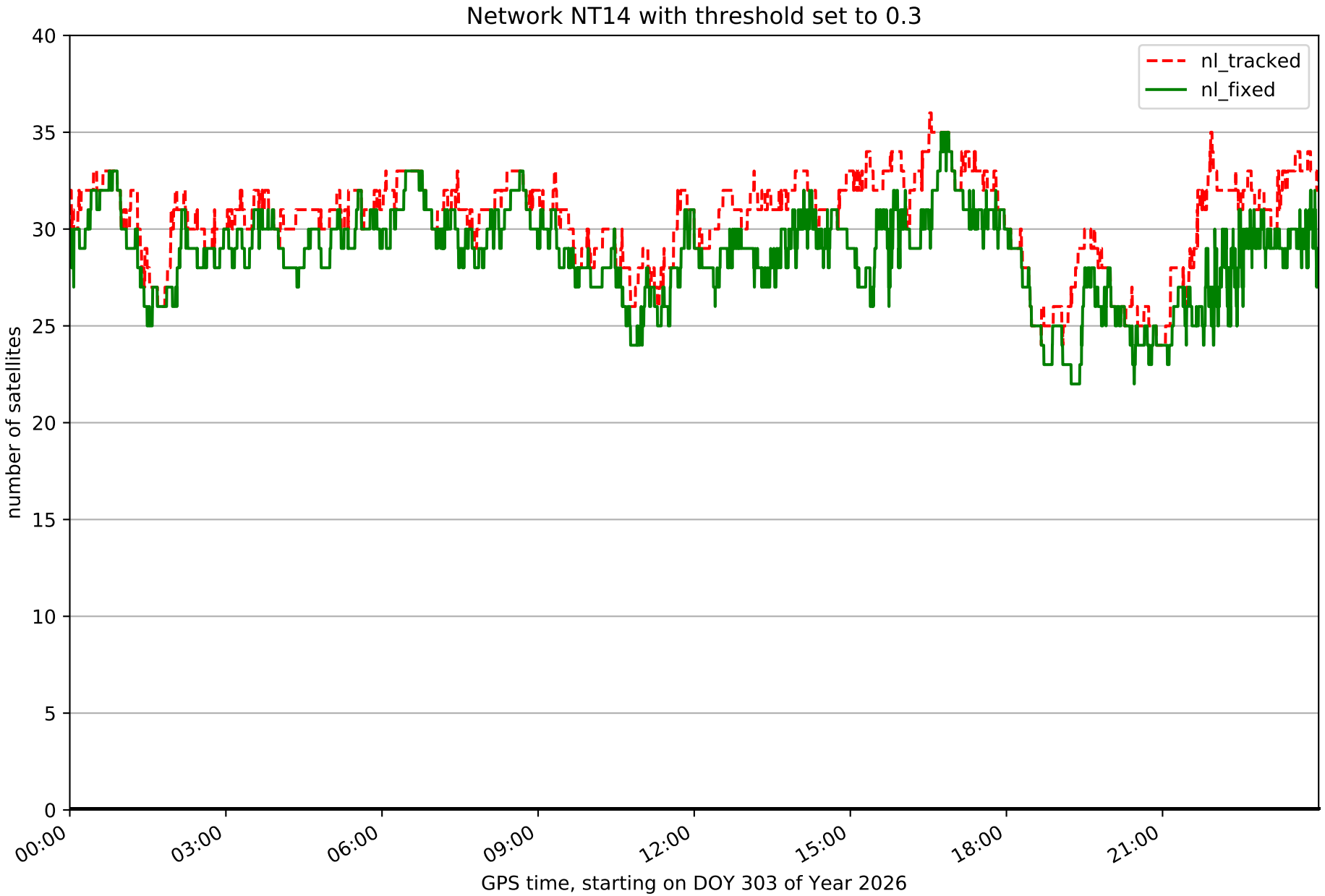
stations available: 13 of 13

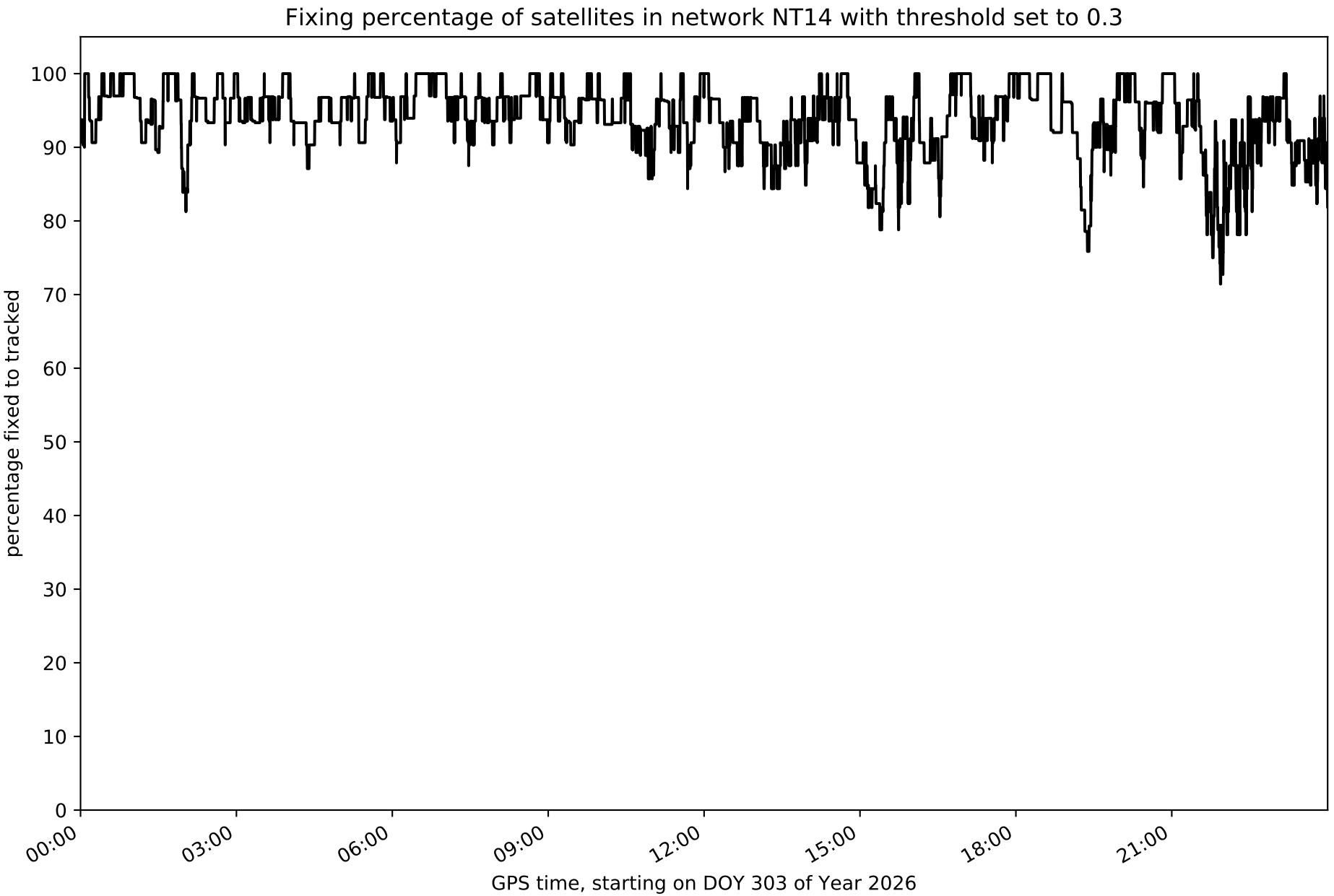
station information:

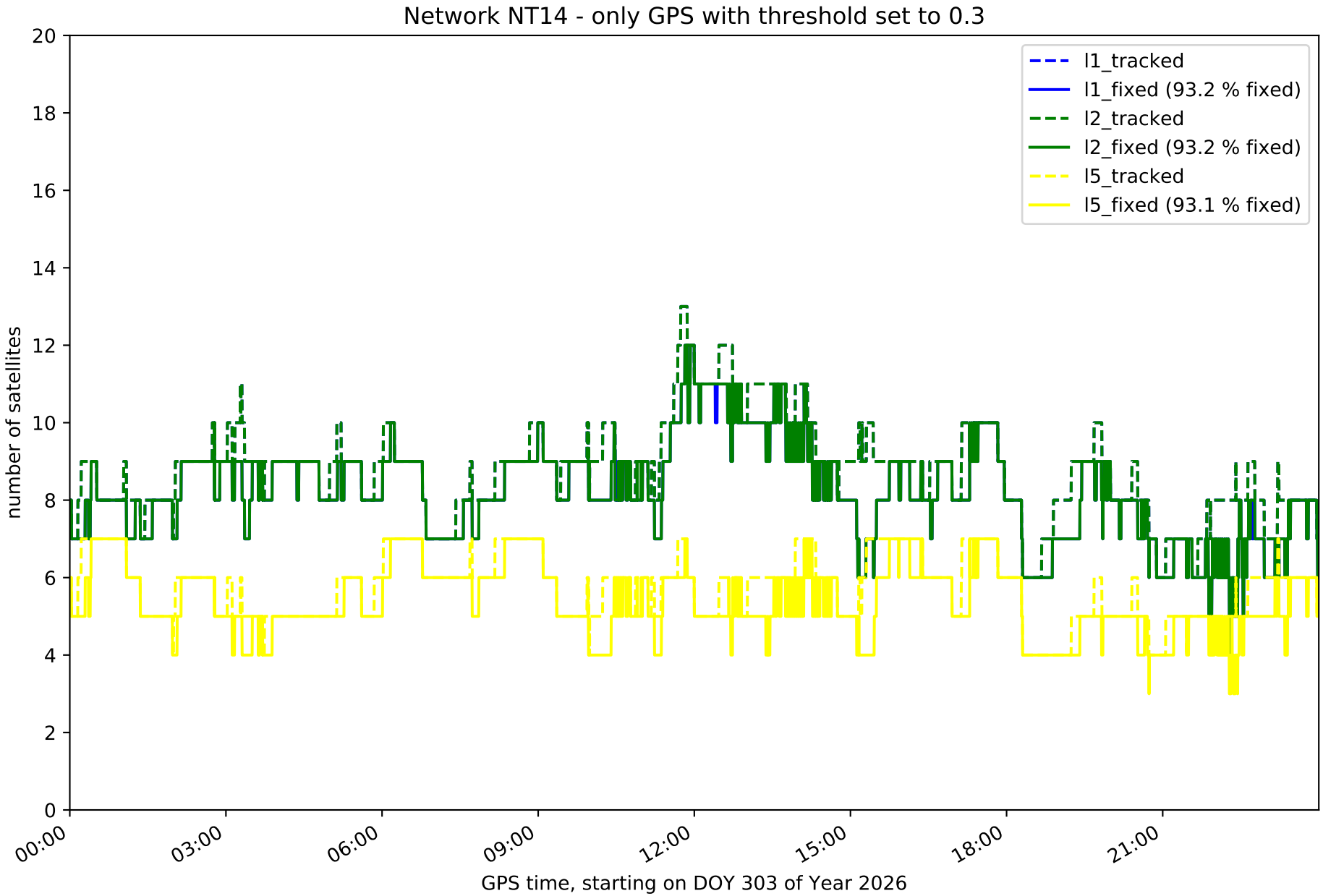
station ABAN:	antenna: LEIAR25 LEIT	receiver: LEICA GR30	height: 207.761
station AIO2:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 662.857
station ALAC:	antenna: LEIAR25.R3 LEIT	receiver: LEICA GR50	height: 63.359
station ALCO:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR30	height: 640.126
station BORR:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR30	height: 73.01
station DENI:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR10	height: 69.734
station IEJA:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 1358.246
station PENI:	antenna: LEIAR25.R4 LEIT	receiver: LEICA GR25	height: 108.648
station SARR:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 1041.628
station TOR0:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR30	height: 64.686
station UTIE:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR30	height: 799.744
station VALE:	antenna: LEIAR25.R3 LEIT	receiver: LEICA GR50	height: 80.593
station VJOI:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR30	height: 117.162

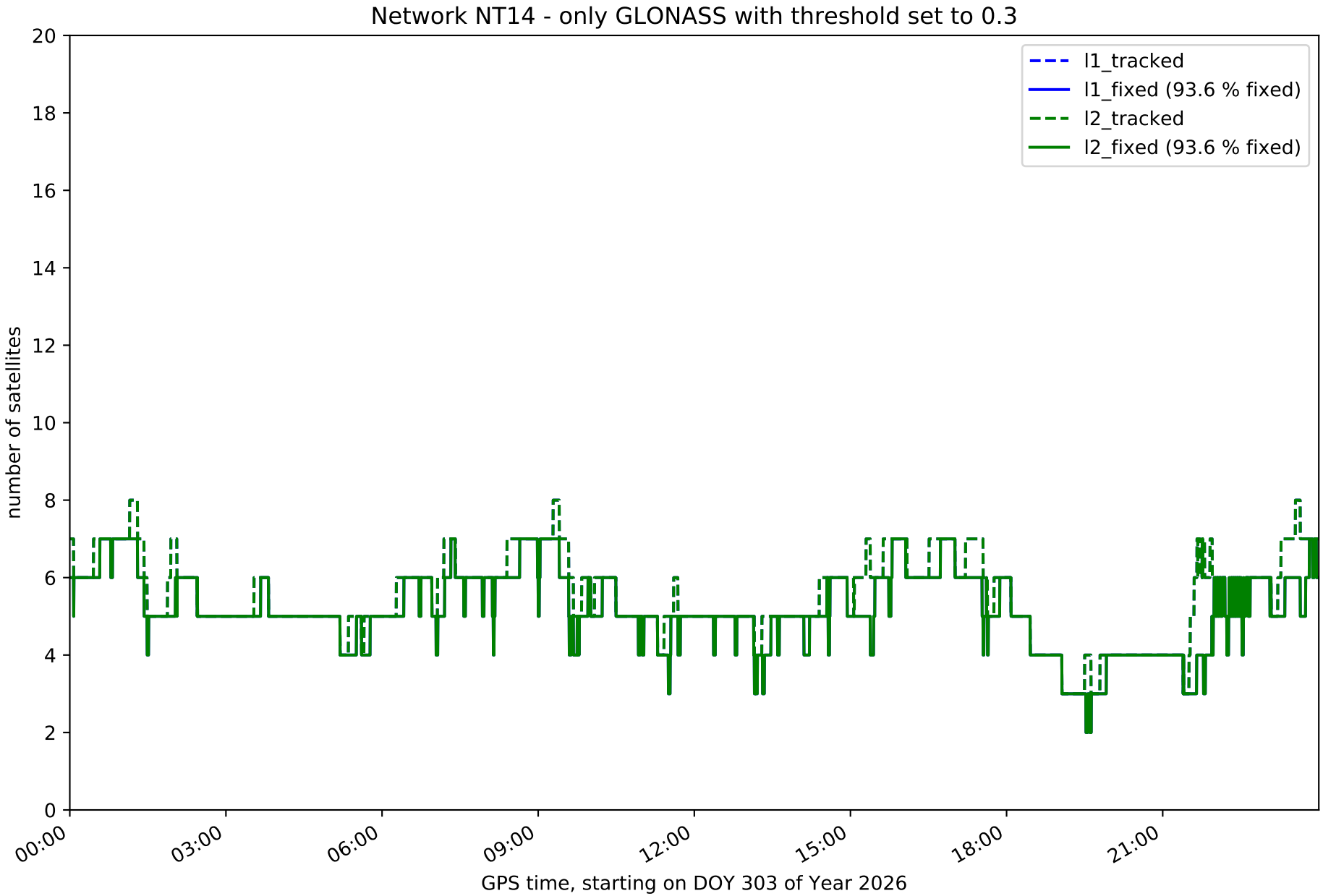

Processing rate in network NT14
time difference to next processed epoch [s]
0
2
4
6
8
10
12
14
16
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 303 of Year 2026

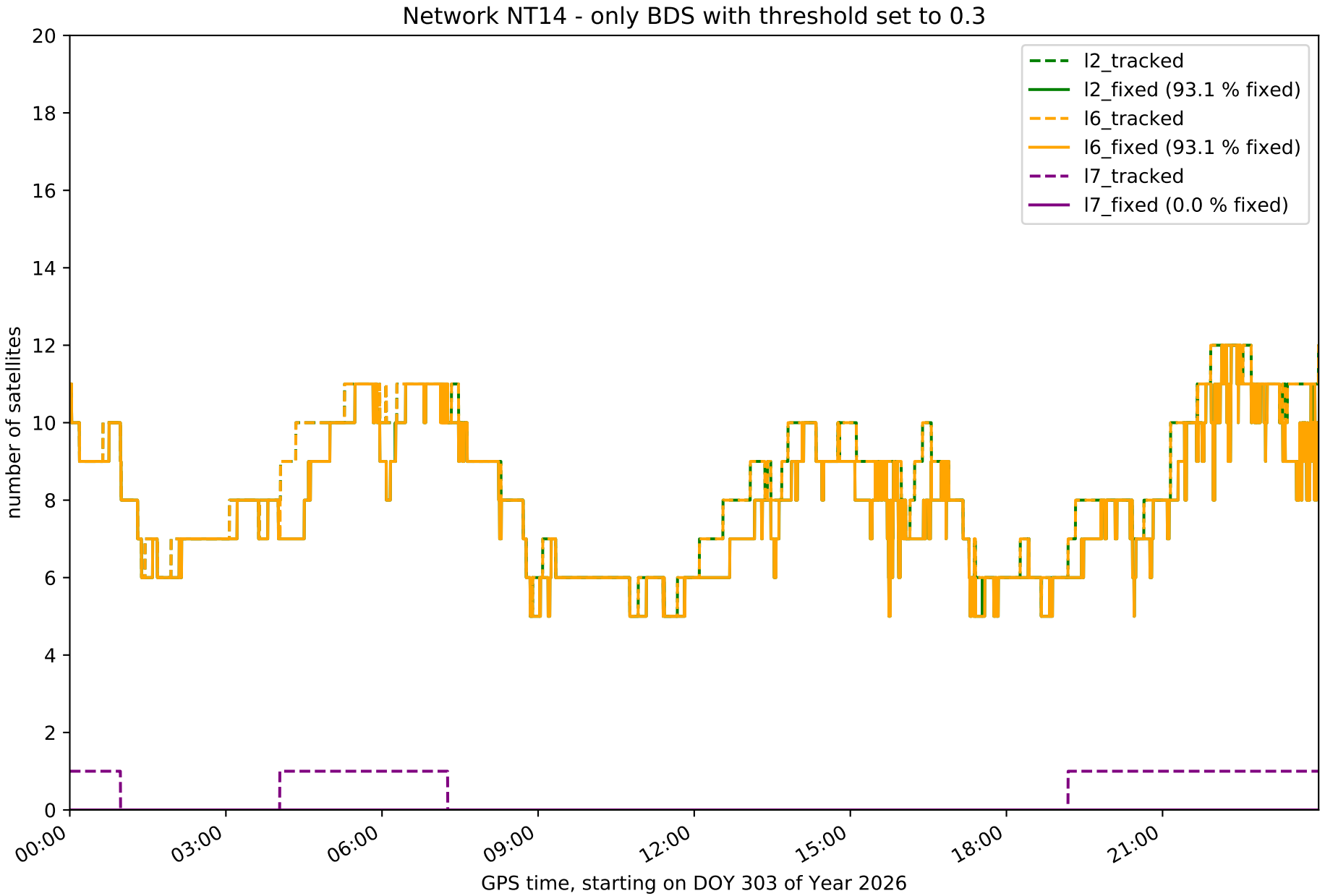

Histogram of the processing rate in network NT14 (durations larger 15 seconds neglected)
number of epochs
70000
60000
50000
40000
30000
20000
10000
0
1
2
3
time difference to next processed epoch [s]

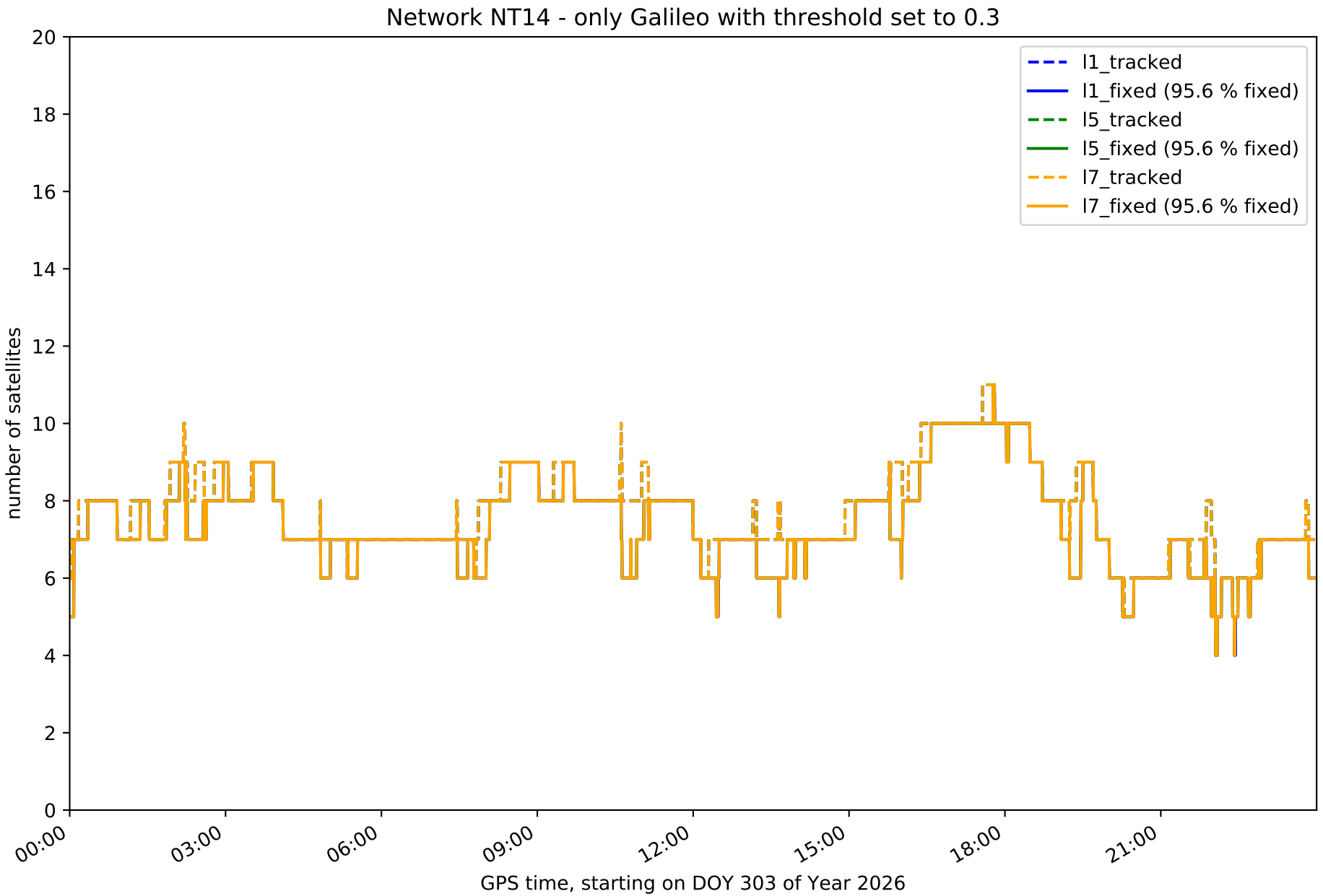

Network NT14 with threshold set to 0.3
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
40
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 303 of Year 2026

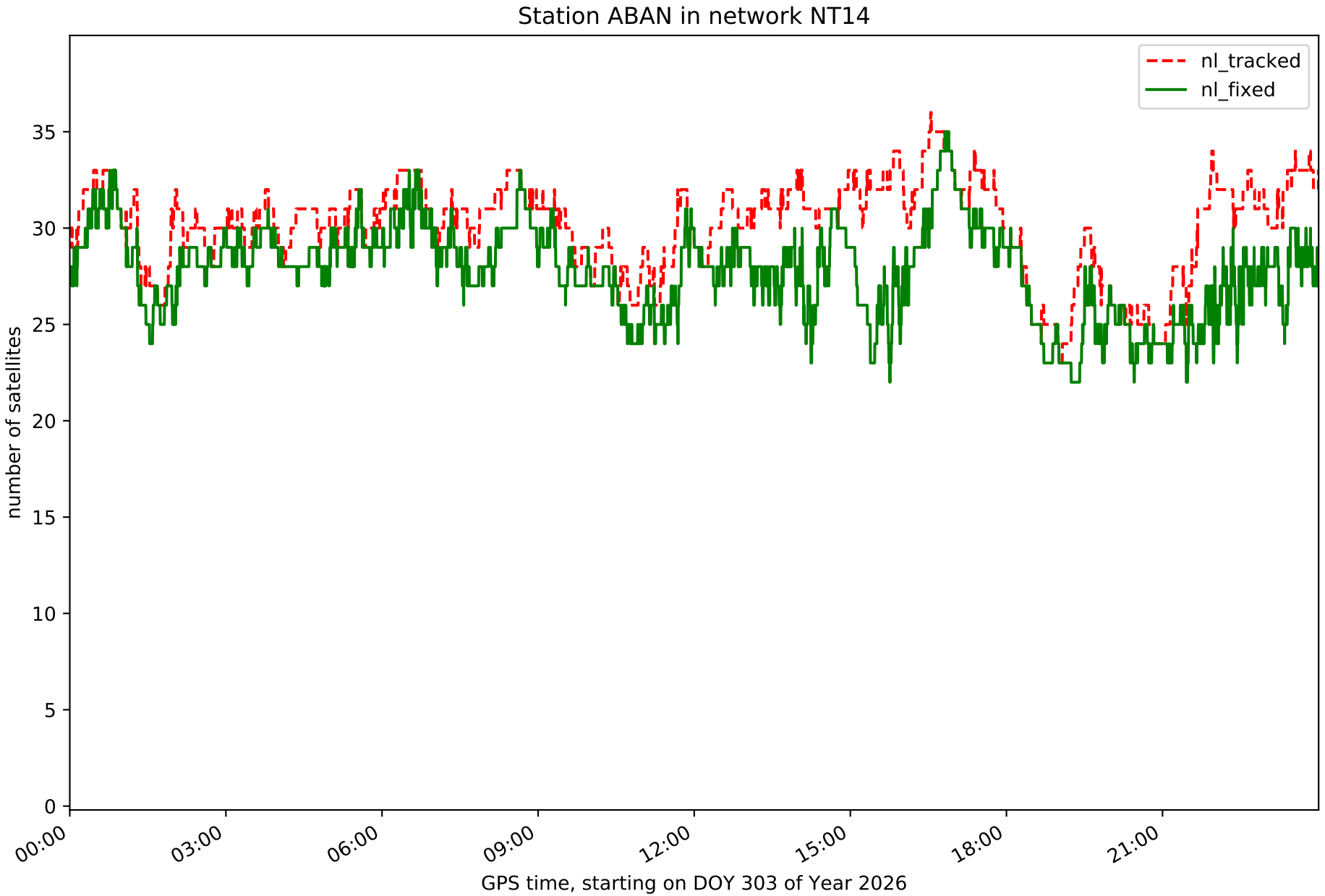

Fixing percentage of satellites in network NT14 with threshold set to 0.3
percentage fixed to tracked
100
90
80
70
60
50
40
30
20
10
0
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 303 of Year 2026

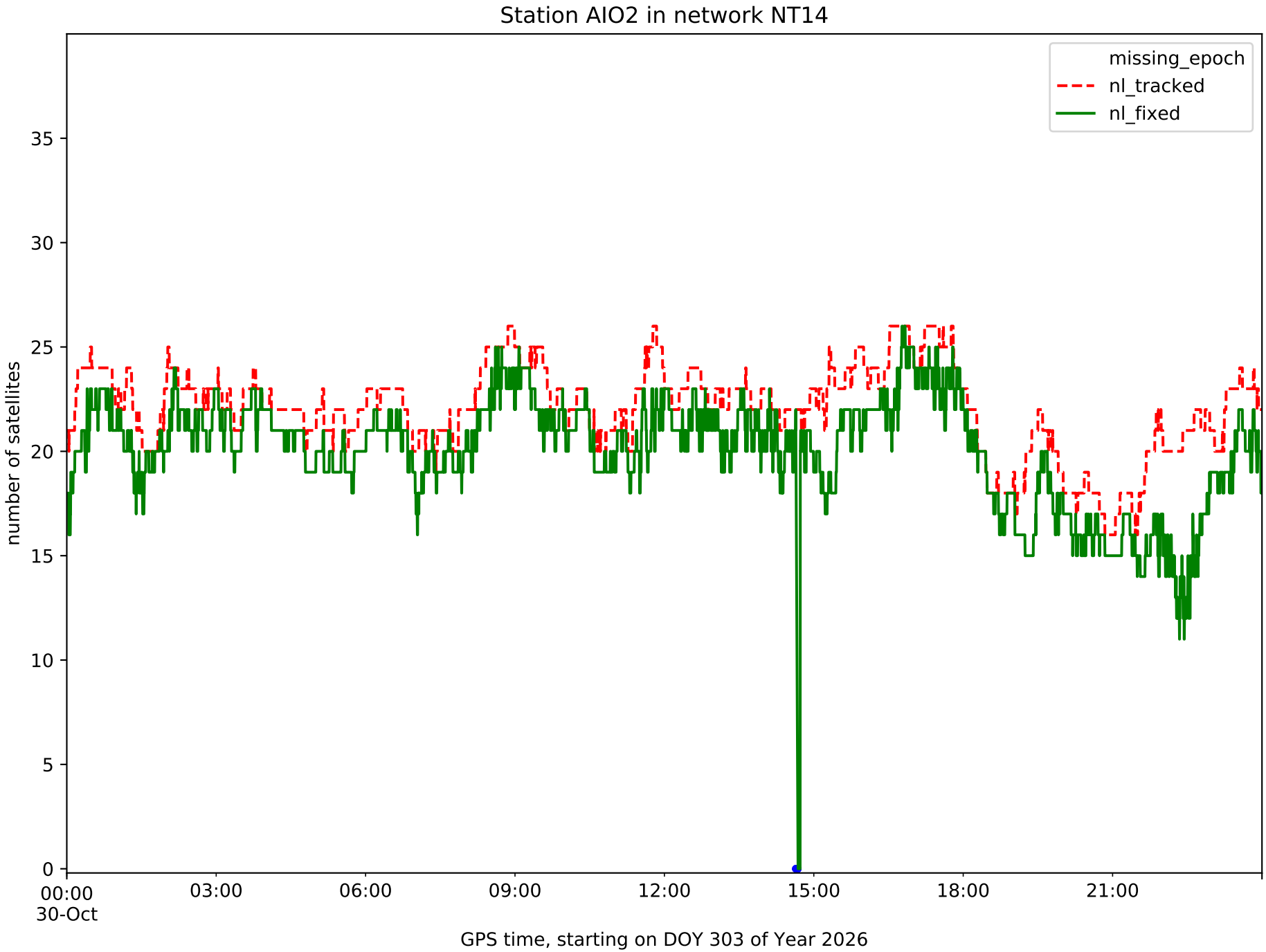

Network NT14 - only GPS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 303 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
l1_tracked
l1_fixed (93.2 % fixed)
l2_tracked
l2_fixed (93.2 % fixed)
l5_tracked
l5_fixed (93.1 % fixed)

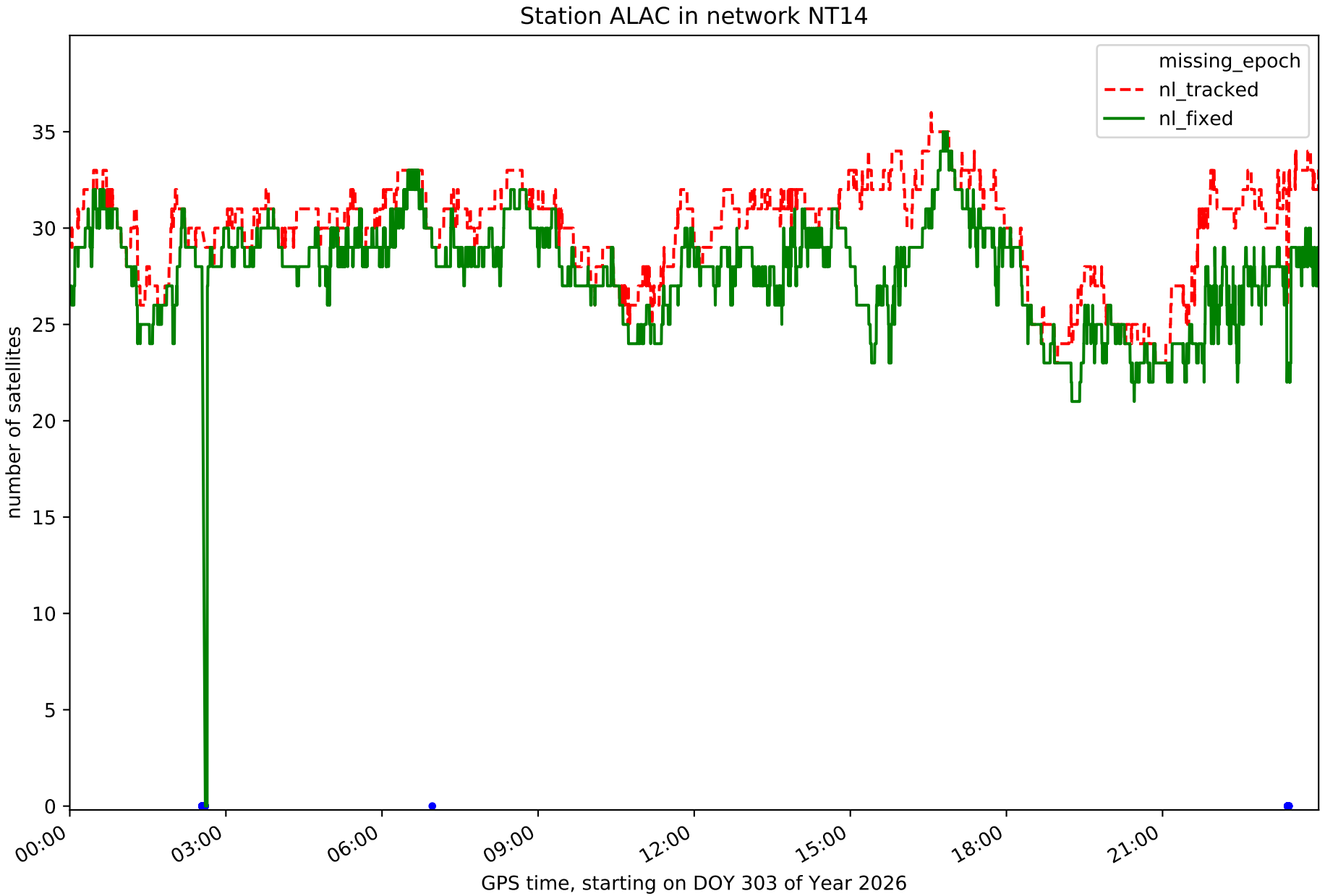

Network NT14 - only GLONASS with threshold set to 0.3
l1_tracked
l1_fixed (93.6 % fixed)
l2_tracked
l2_fixed (93.6 % fixed)
number of satellites
0
2
4
6
8
10
12
14
16
18
20
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 303 of Year 2026

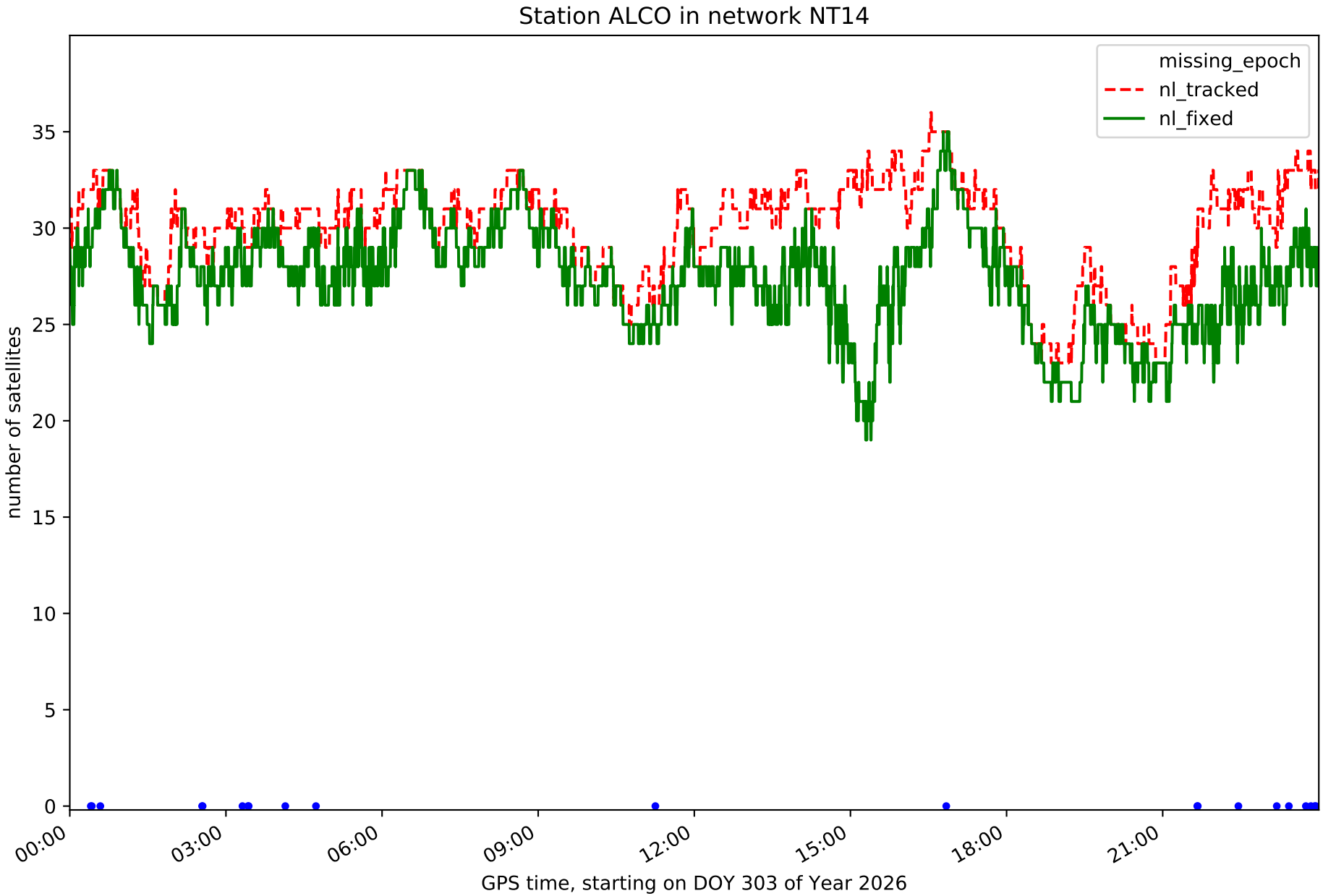

Network NT14 - only BDS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 303 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
I2_tracked
I2_fixed (93.1 % fixed)
I6_tracked
I6_fixed (93.1 % fixed)
I7_tracked
I7_fixed (0.0 % fixed)

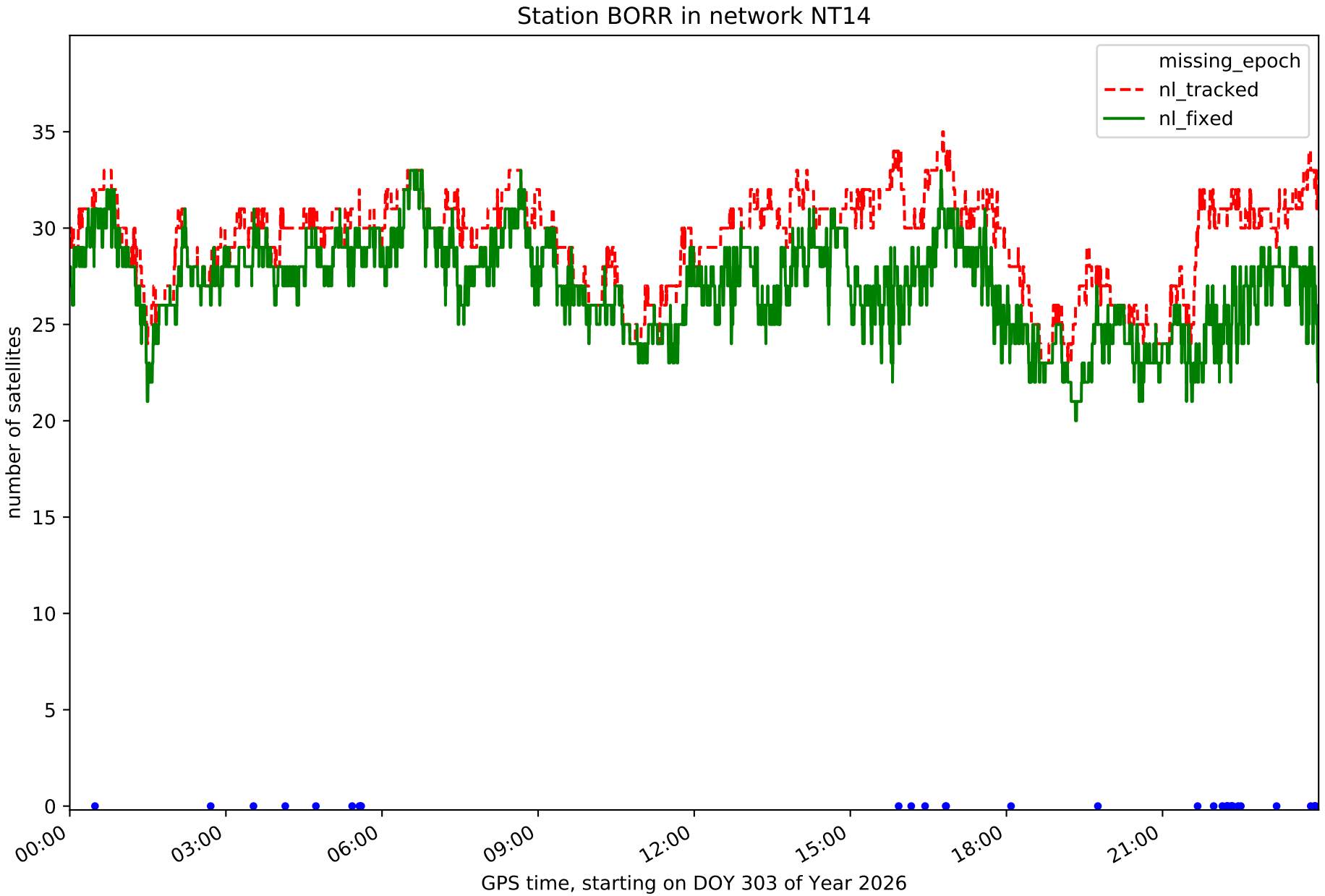

Network NT14 - only Galileo with threshold set to 0.3
number of satellites
GPS time, starting on DOY 303 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
l1_tracked
l1_fixed (95.6 % fixed)
l5_tracked
l5_fixed (95.6 % fixed)
l7_tracked
l7_fixed (95.6 % fixed)

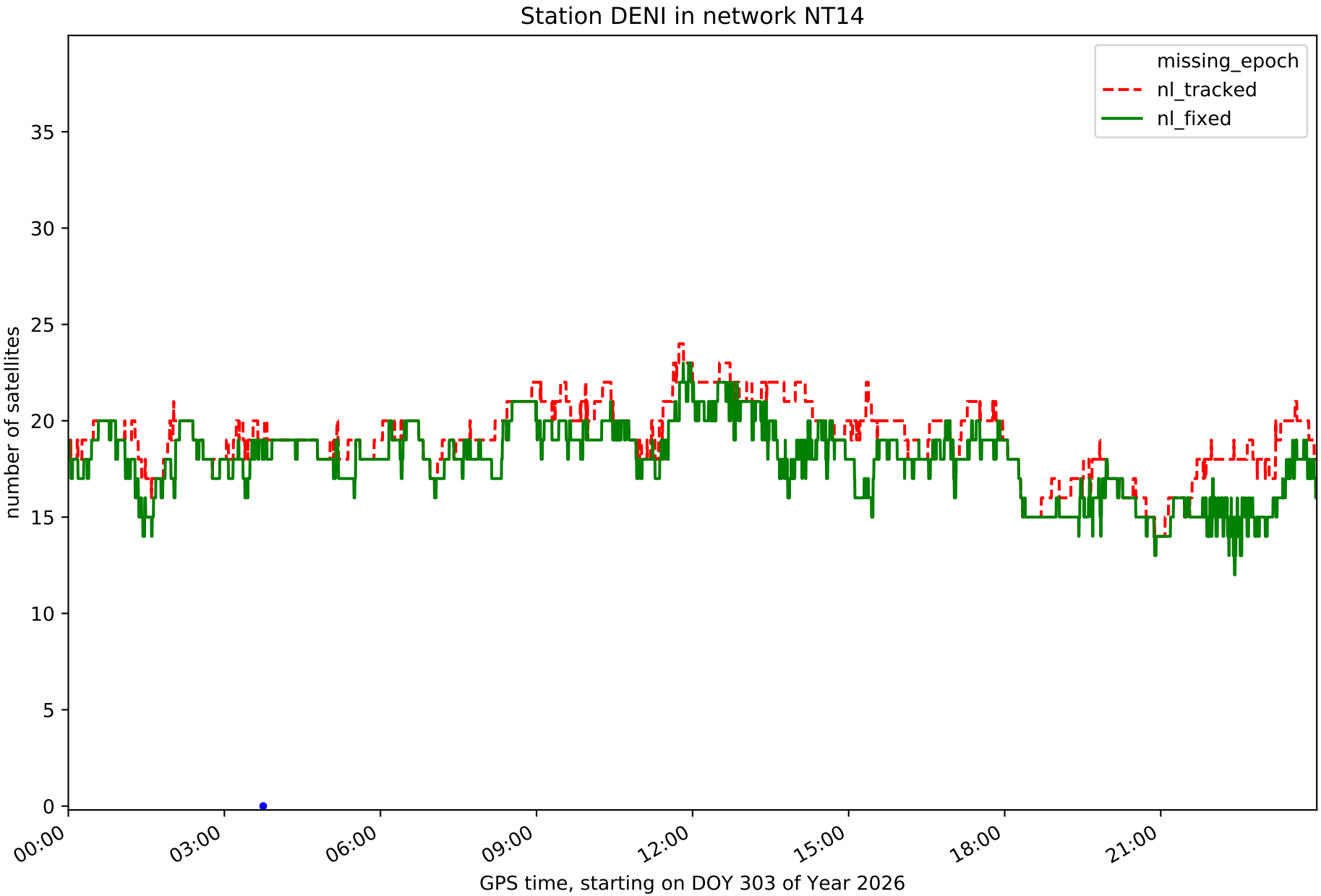

Station ABAN in network NT14
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 303 of Year 2026

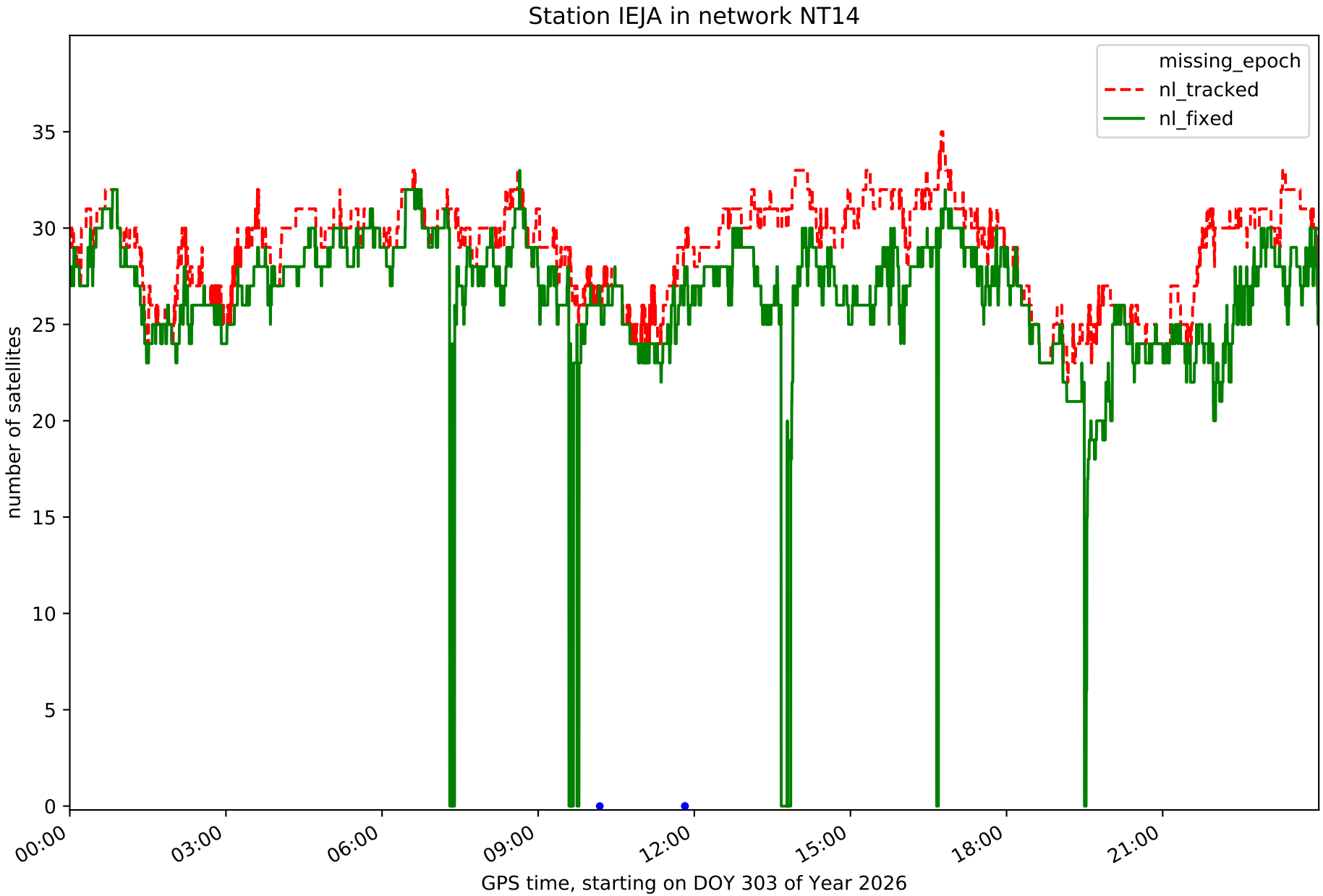

Station AIO2 in network NT14
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
30-Oct
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 303 of Year 2026

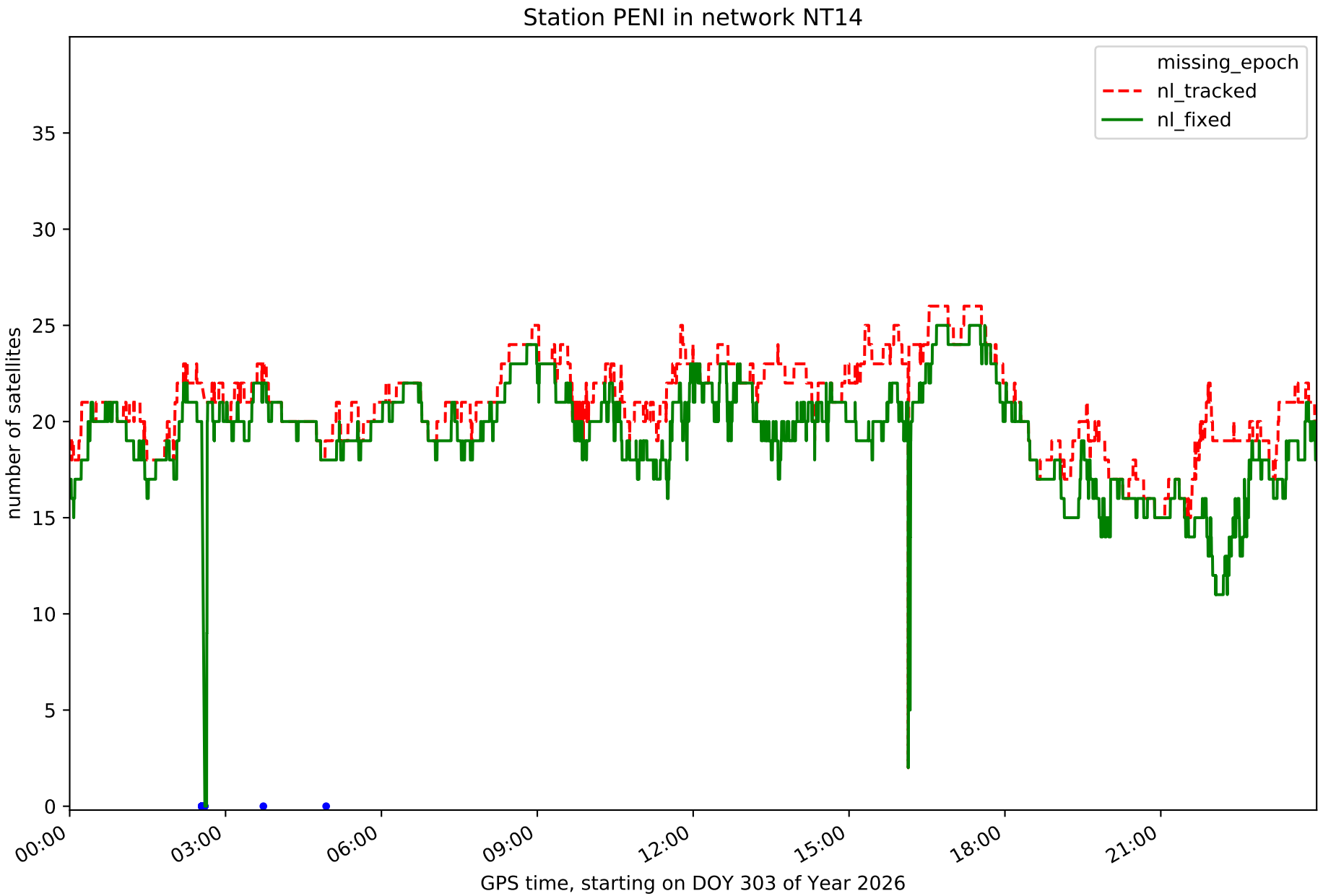

Station ALAC in network NT14
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 303 of Year 2026

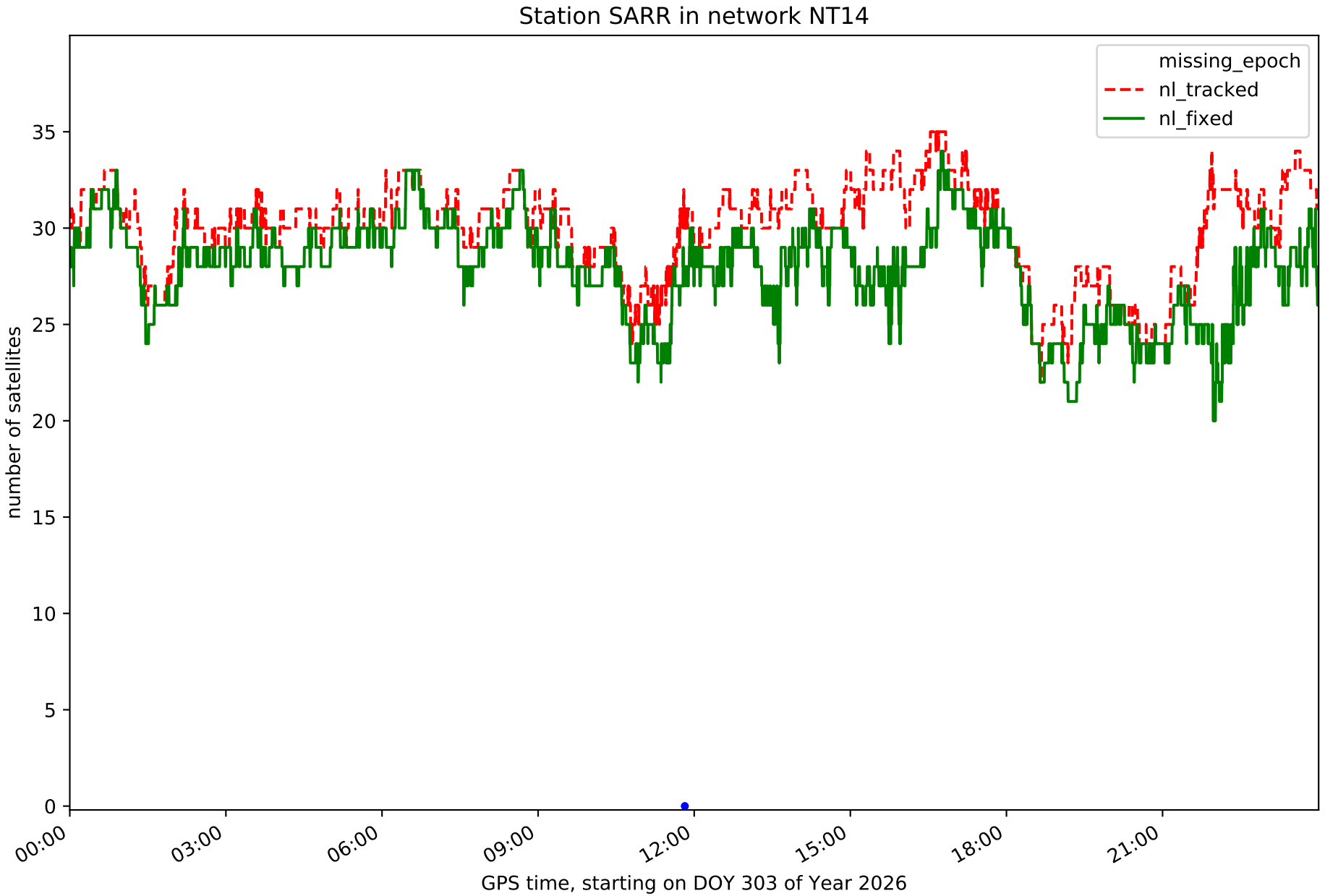

Station ALCO in network NT14
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 303 of Year 2026

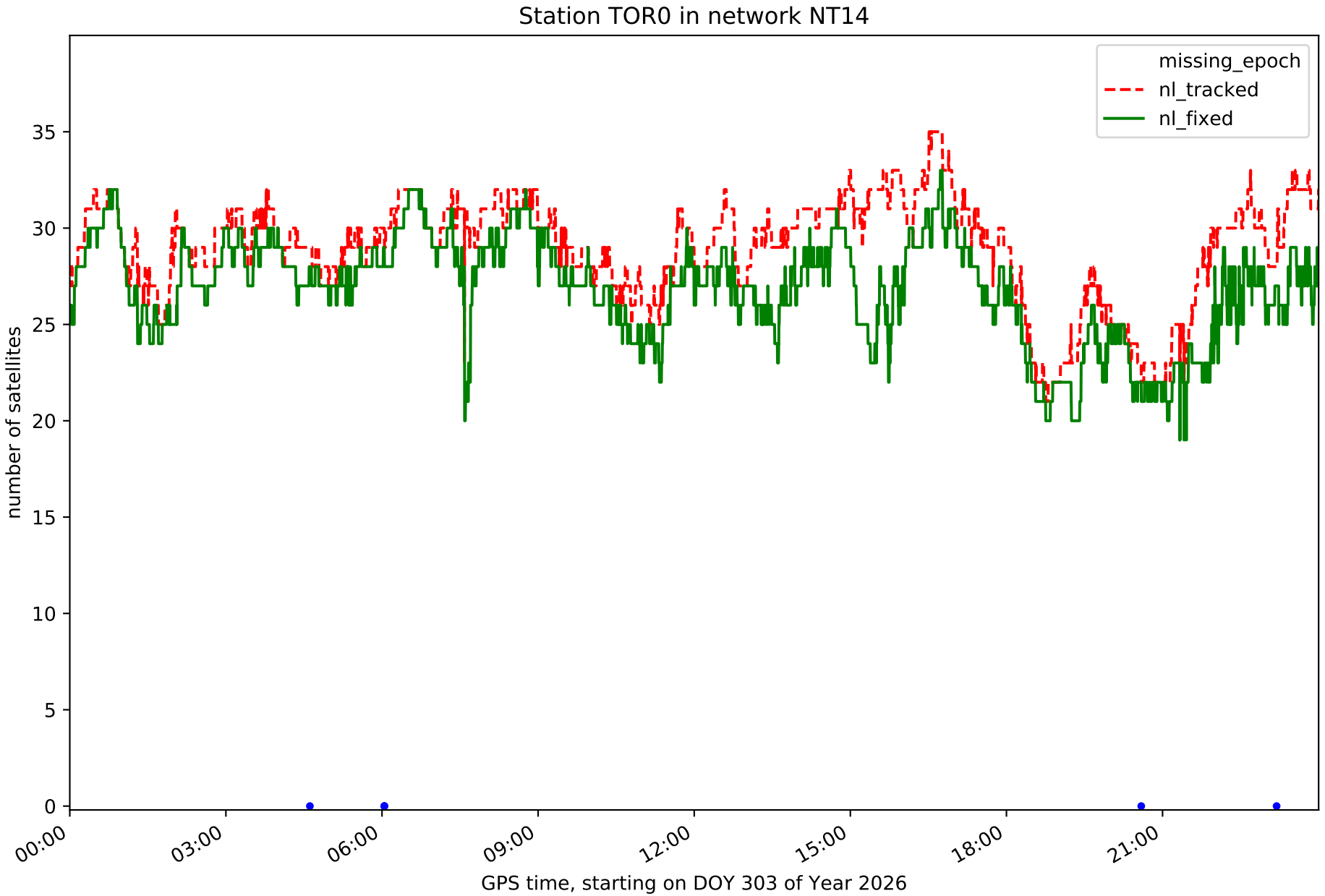

Station BORR in network NT14
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 303 of Year 2026

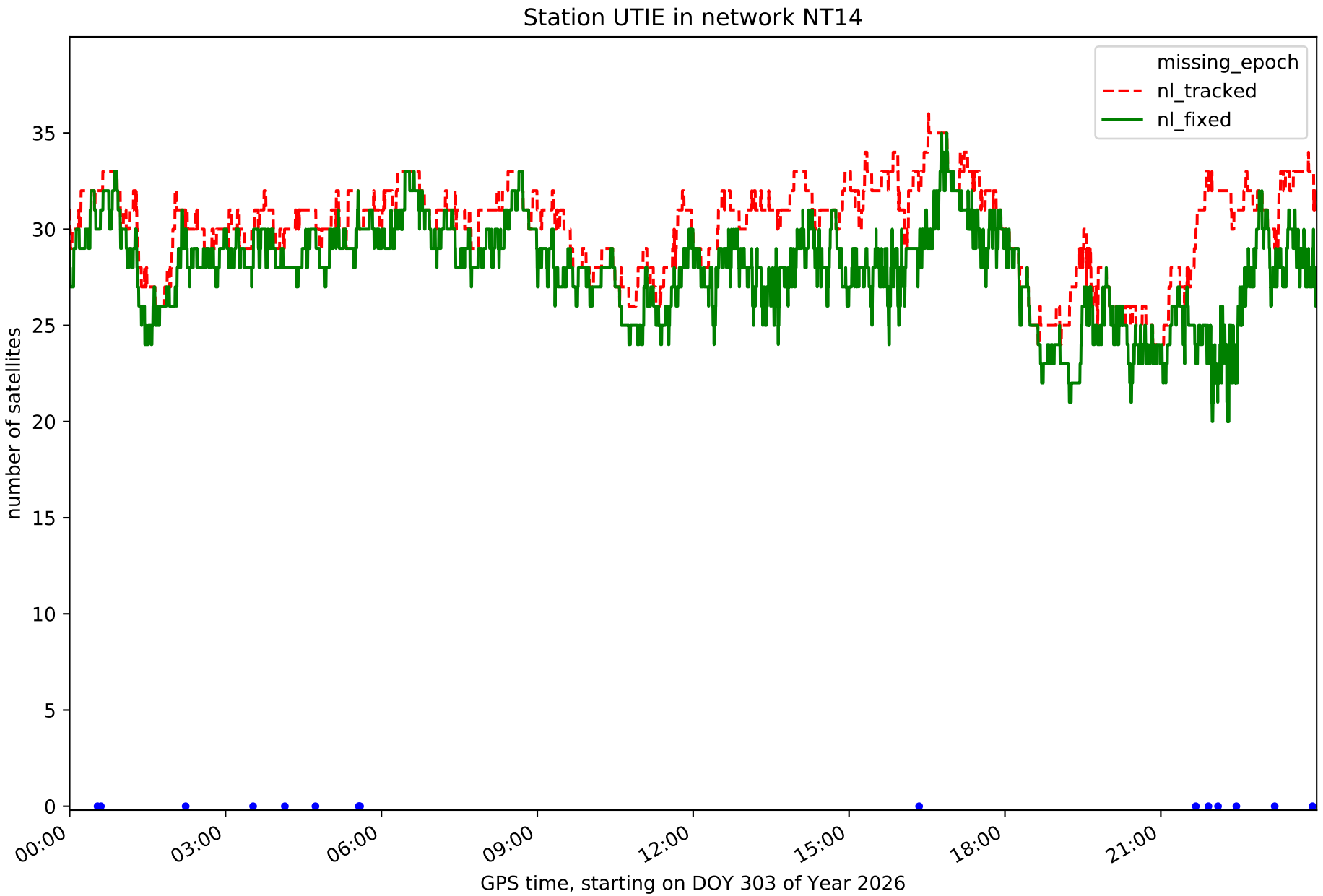

Station DENI in network NT14
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 303 of Year 2026

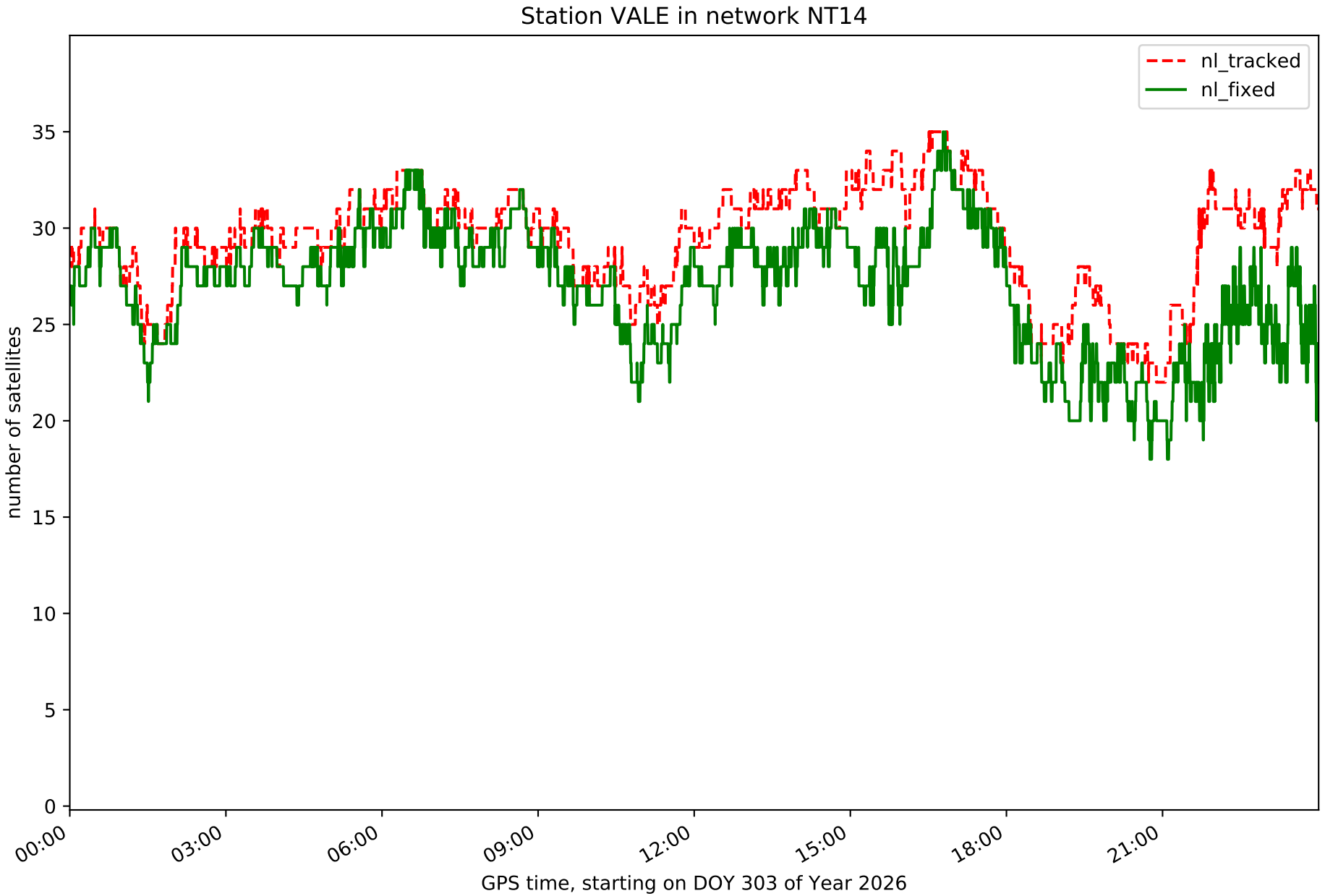

Station IEJA in network NT14
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 303 of Year 2026

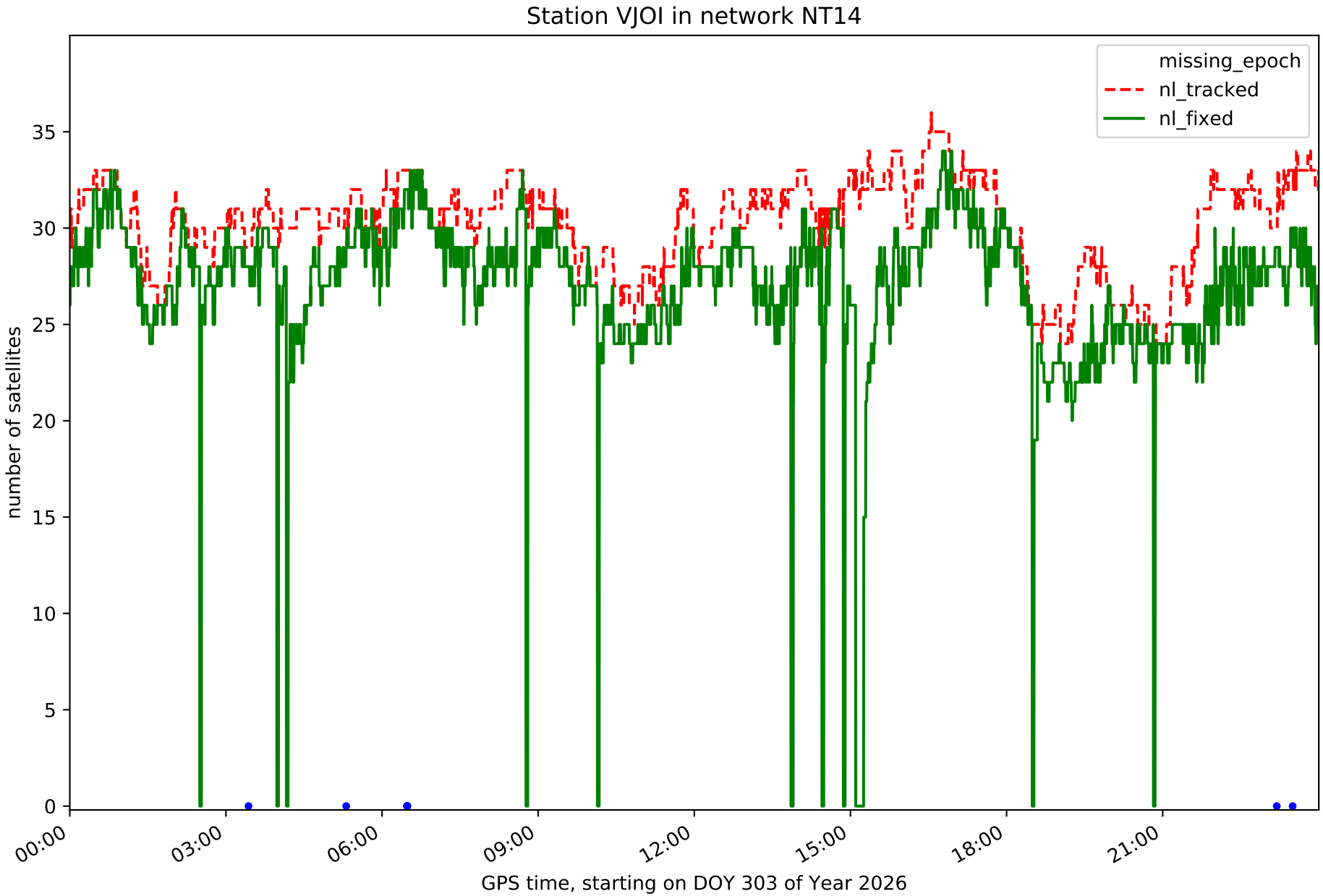

Station PENI in network NT14
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 303 of Year 2026

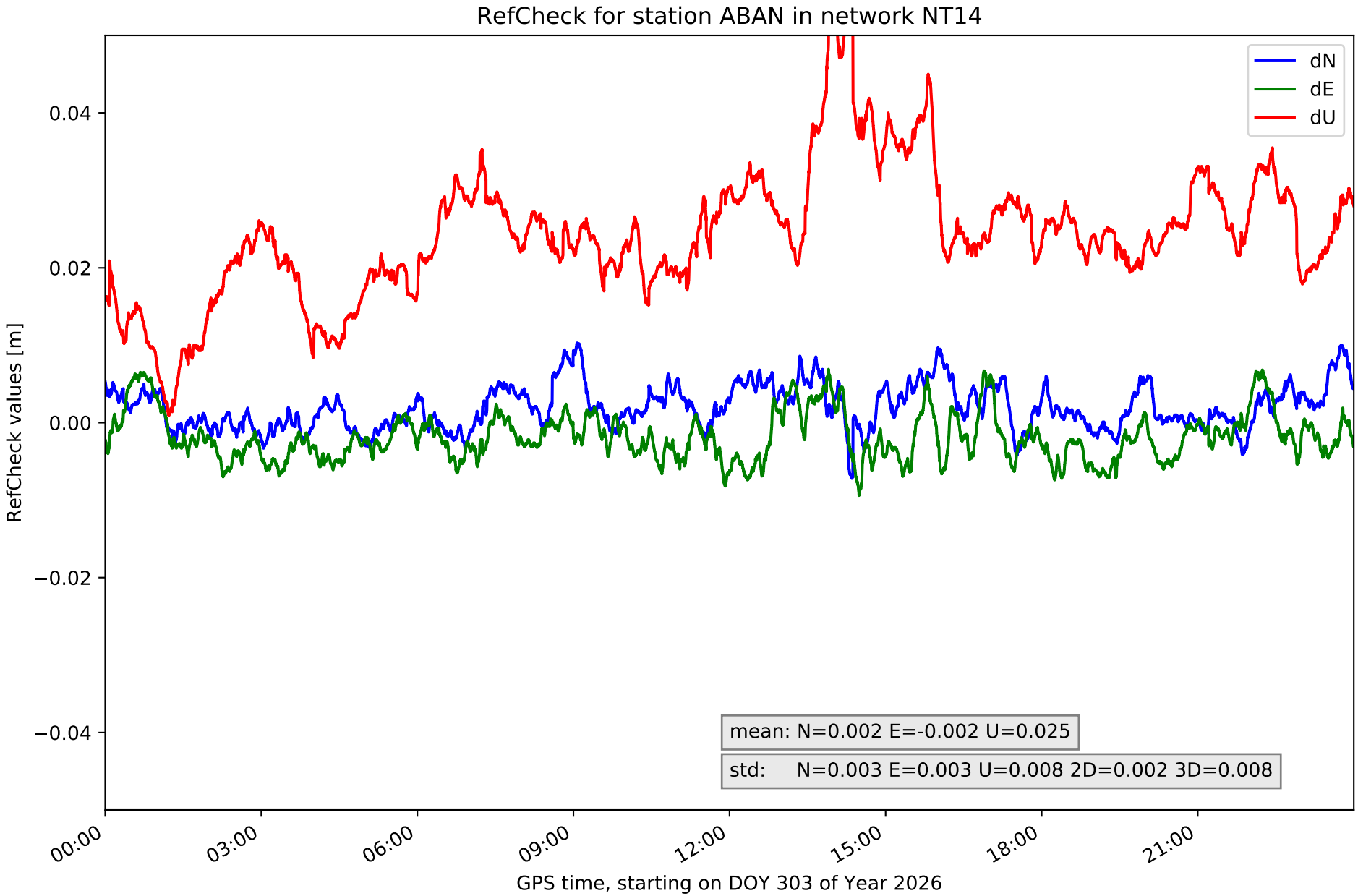

Station SARR in network NT14
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 303 of Year 2026

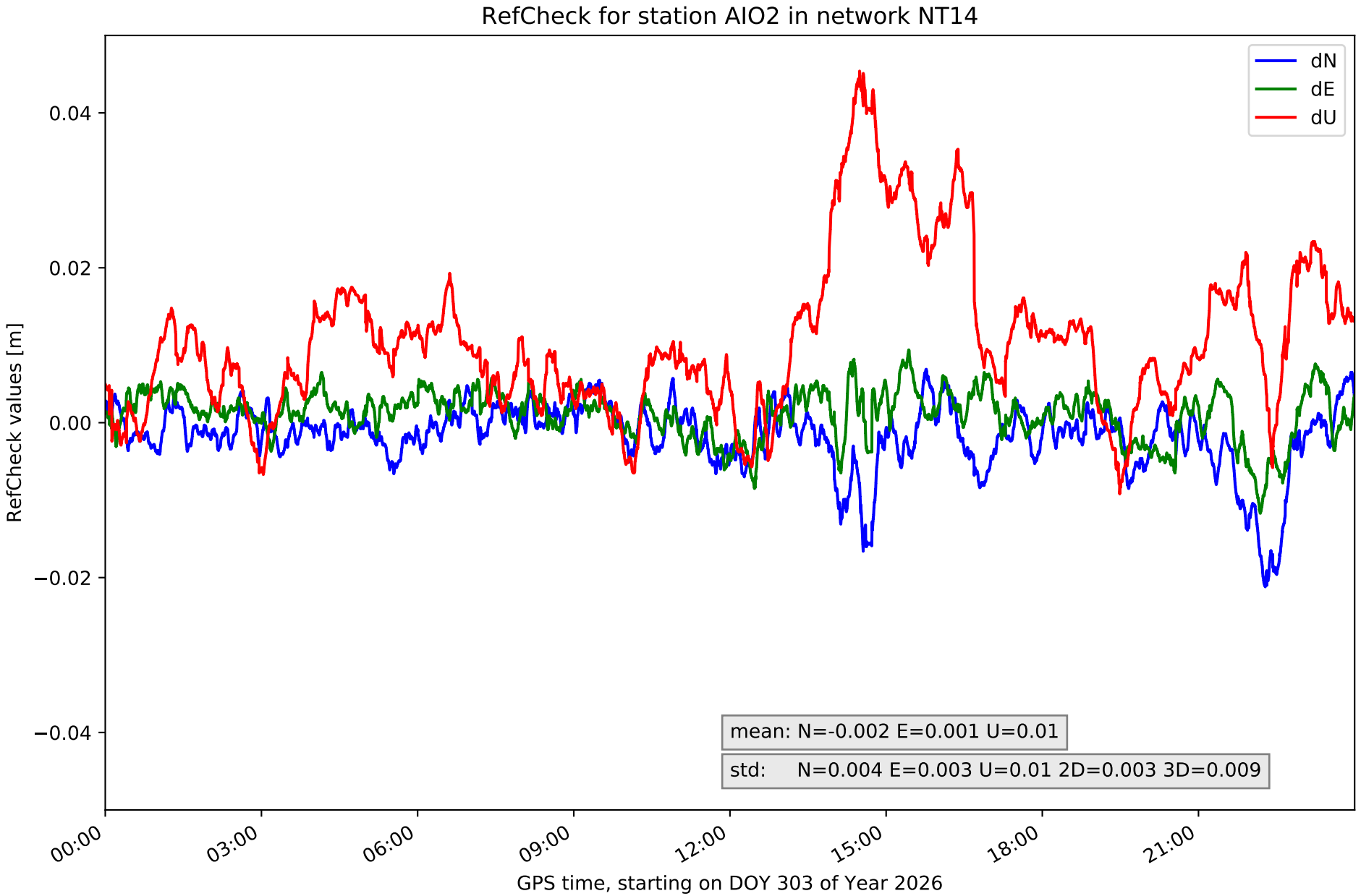

Station TOR0 in network NT14
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 303 of Year 2026

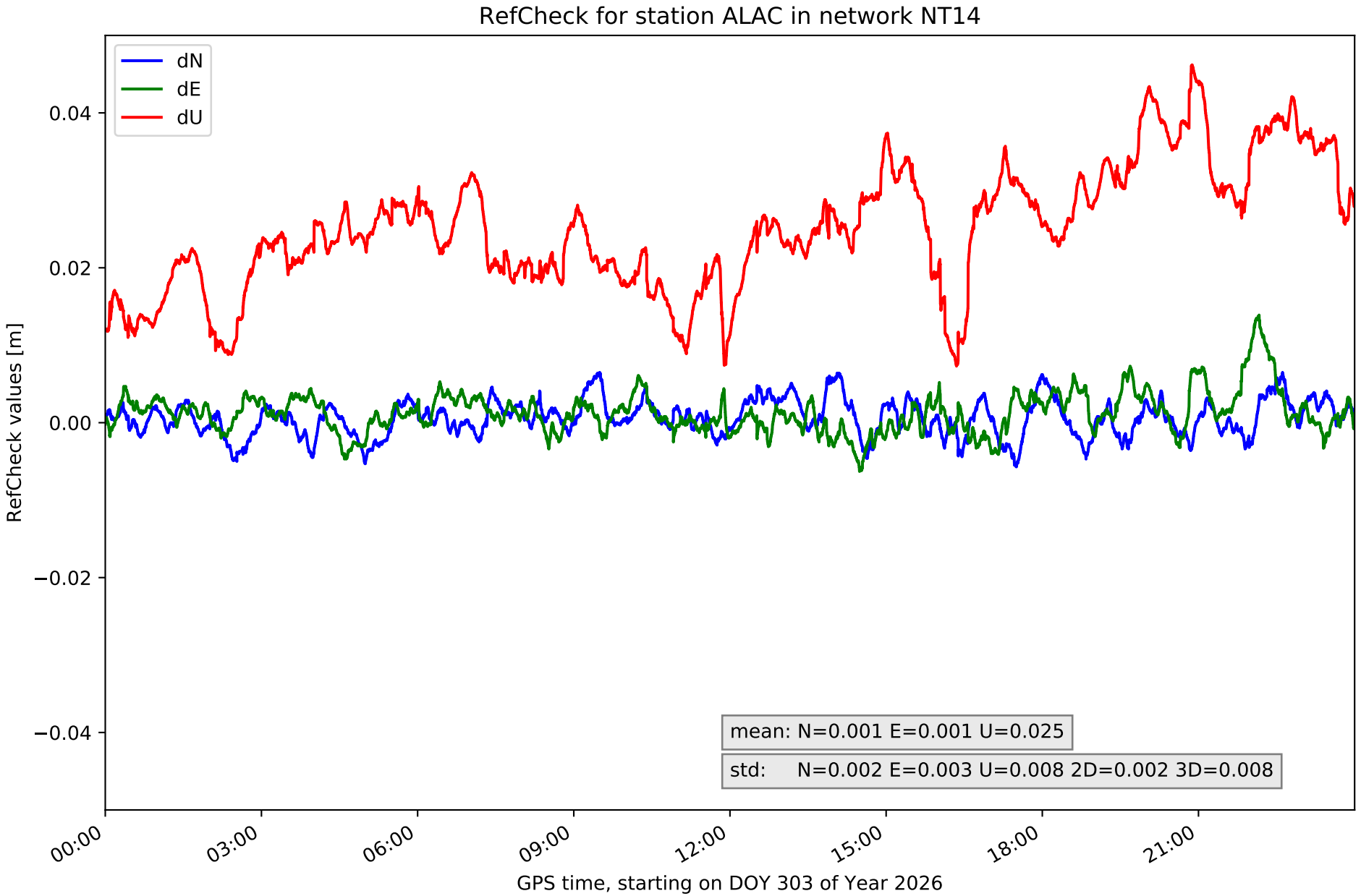

Station UTIE in network NT14
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 303 of Year 2026

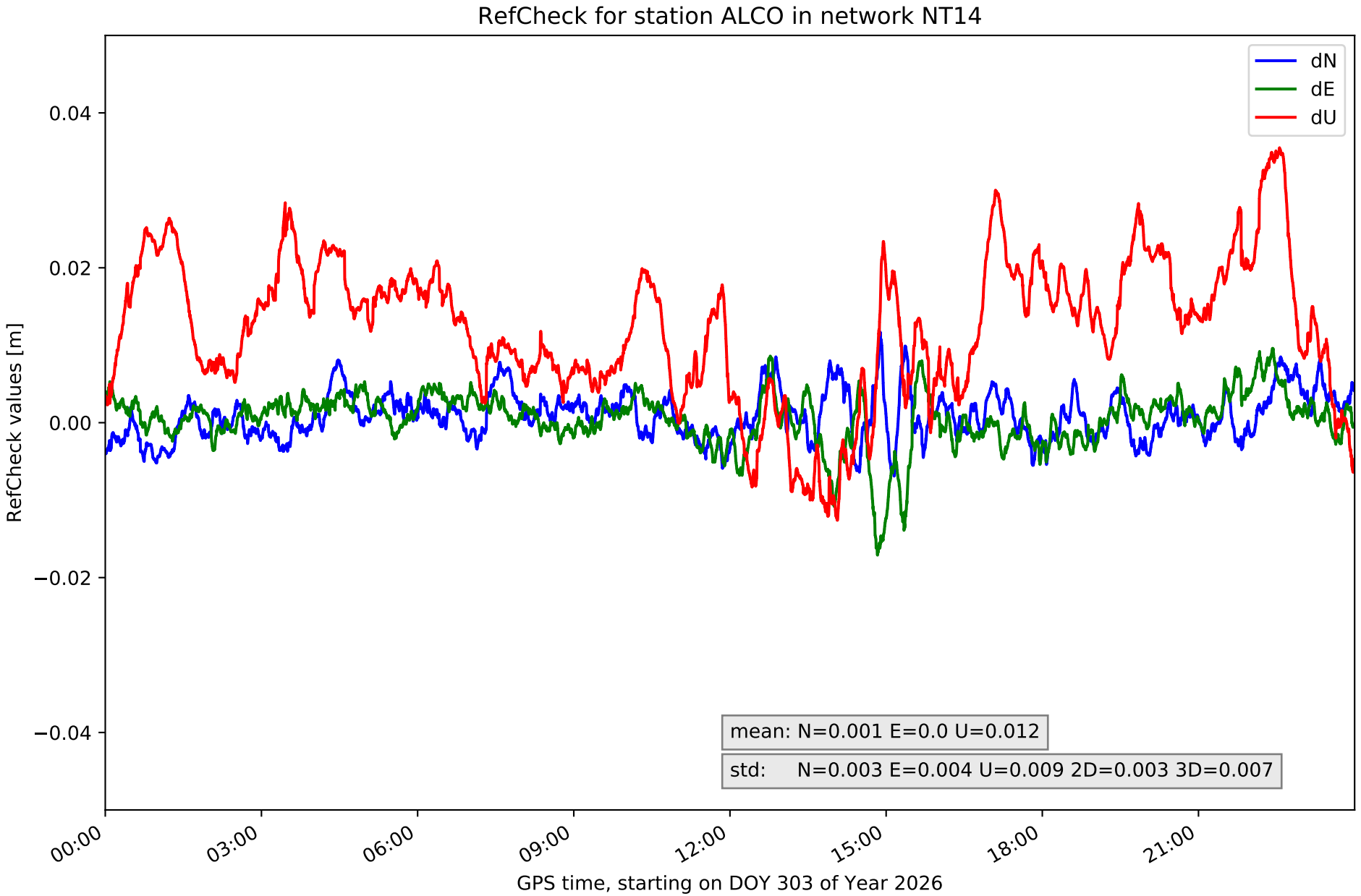

Station VALE in network NT14
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 303 of Year 2026

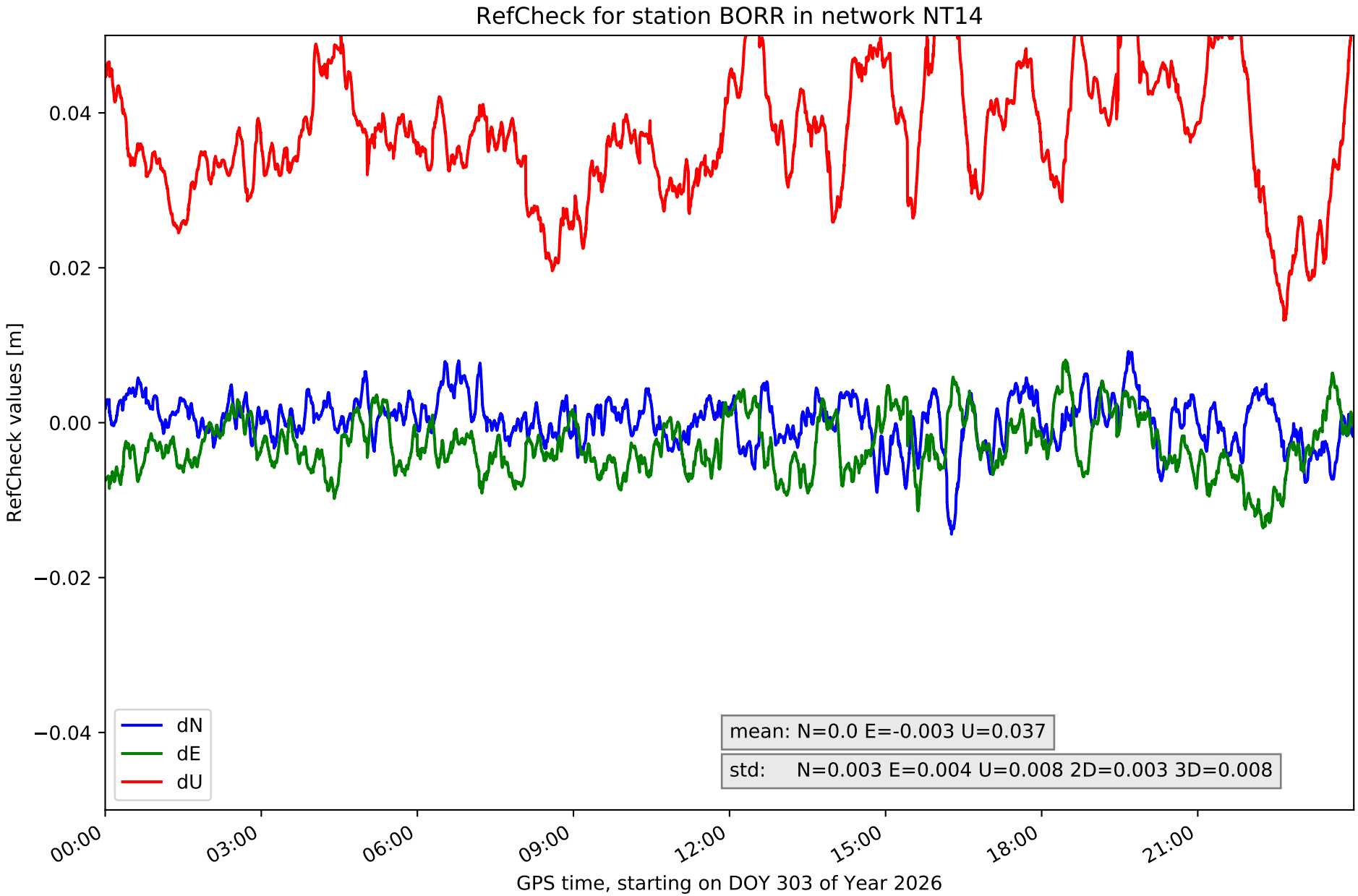

Station VJOI in network NT14
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 303 of Year 2026

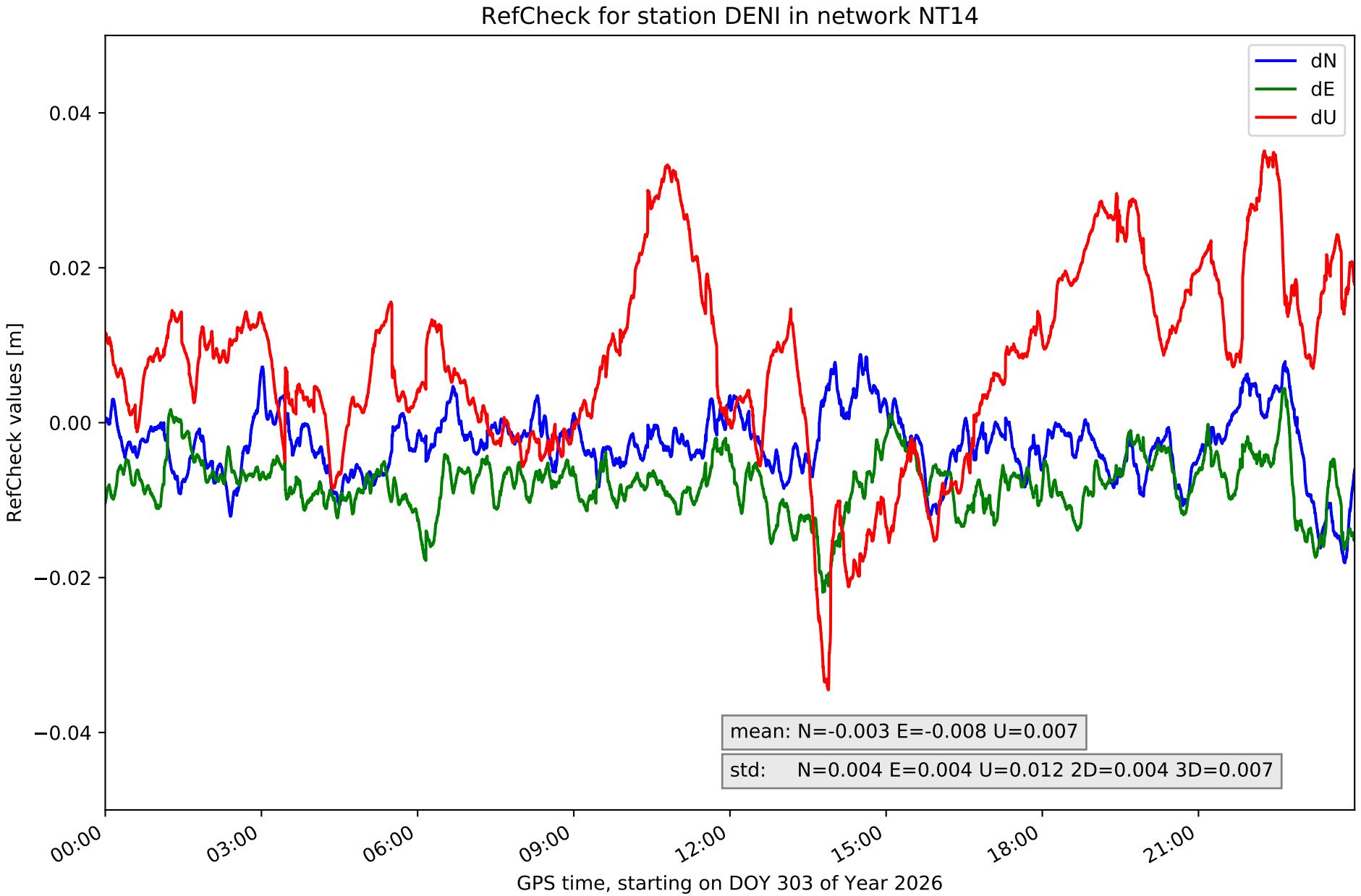

RefCheck for station ABAN in network NT14
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=-0.002 U=0.025
std: N=0.003 E=0.003 U=0.008 2D=0.002 3D=0.008
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 303 of Year 2026

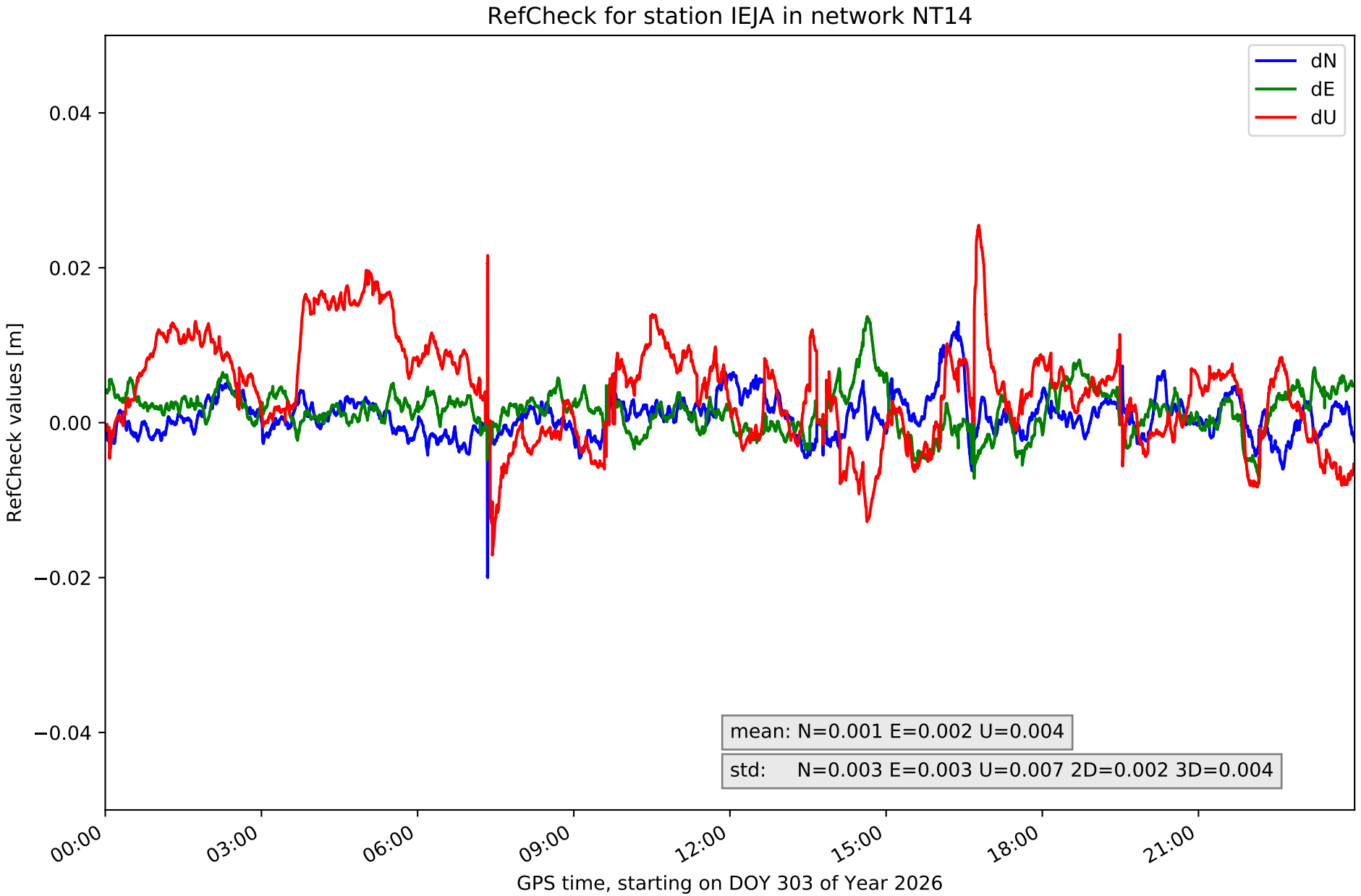

RefCheck for station AIO2 in network NT14
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.002 E=0.001 U=0.01
std: N=0.004 E=0.003 U=0.01 2D=0.003 3D=0.009
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 303 of Year 2026

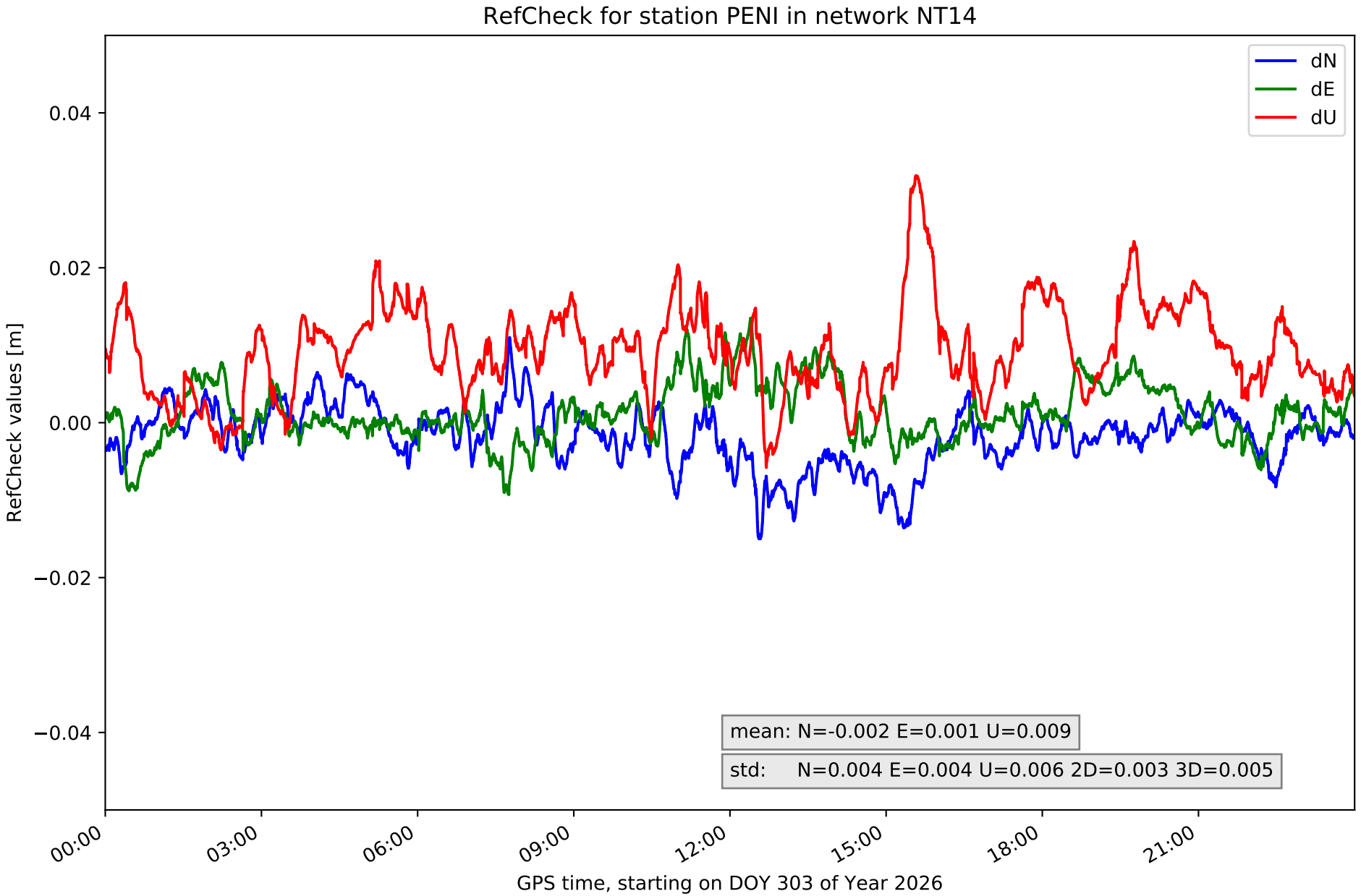

RefCheck for station ALAC in network NT14
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.001 E=0.001 U=0.025
std: N=0.002 E=0.003 U=0.008 2D=0.002 3D=0.008
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 303 of Year 2026

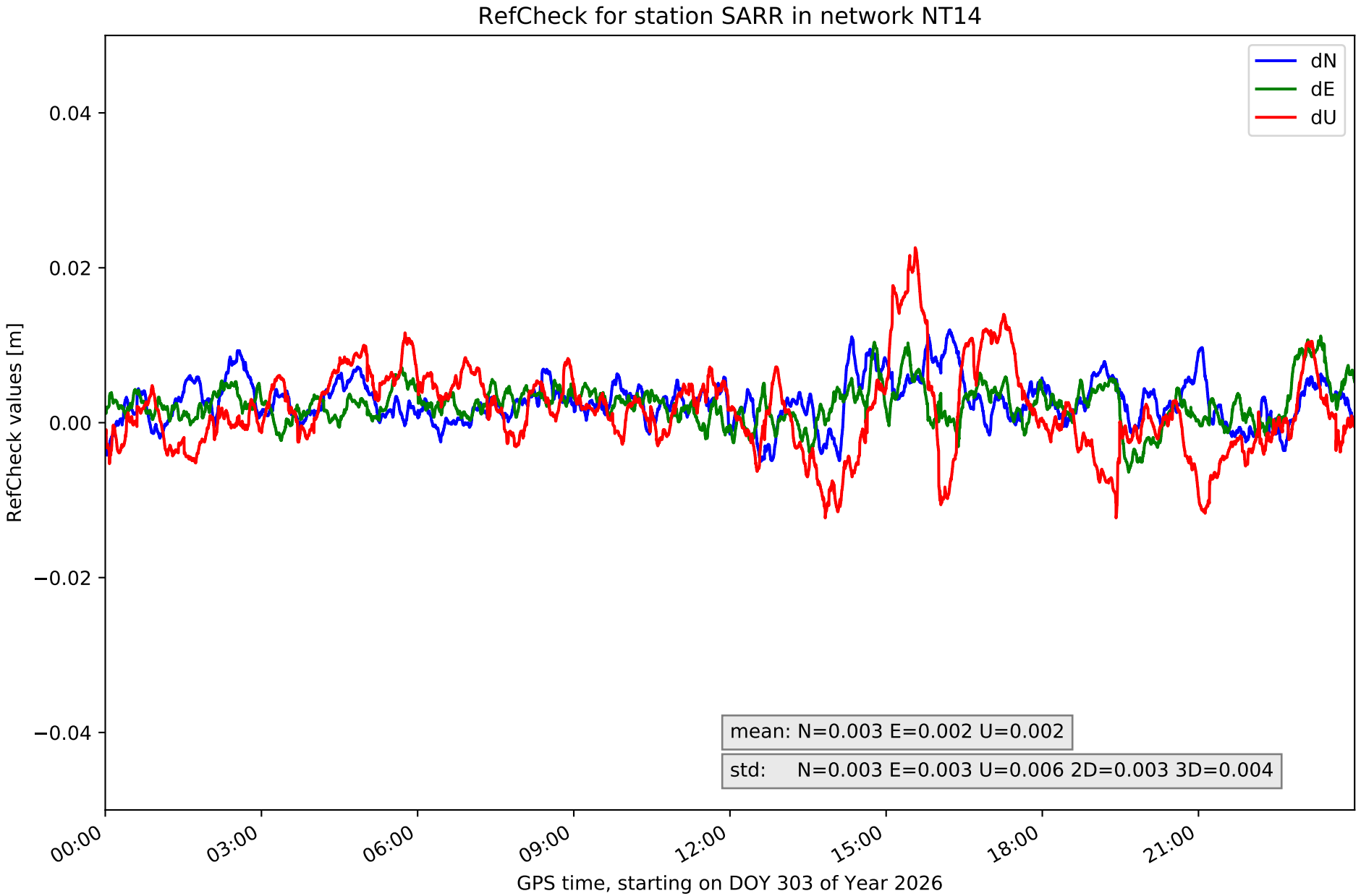

RefCheck for station ALCO in network NT14
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.001 E=0.0 U=0.012
std: N=0.003 E=0.004 U=0.009 2D=0.003 3D=0.007
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 303 of Year 2026

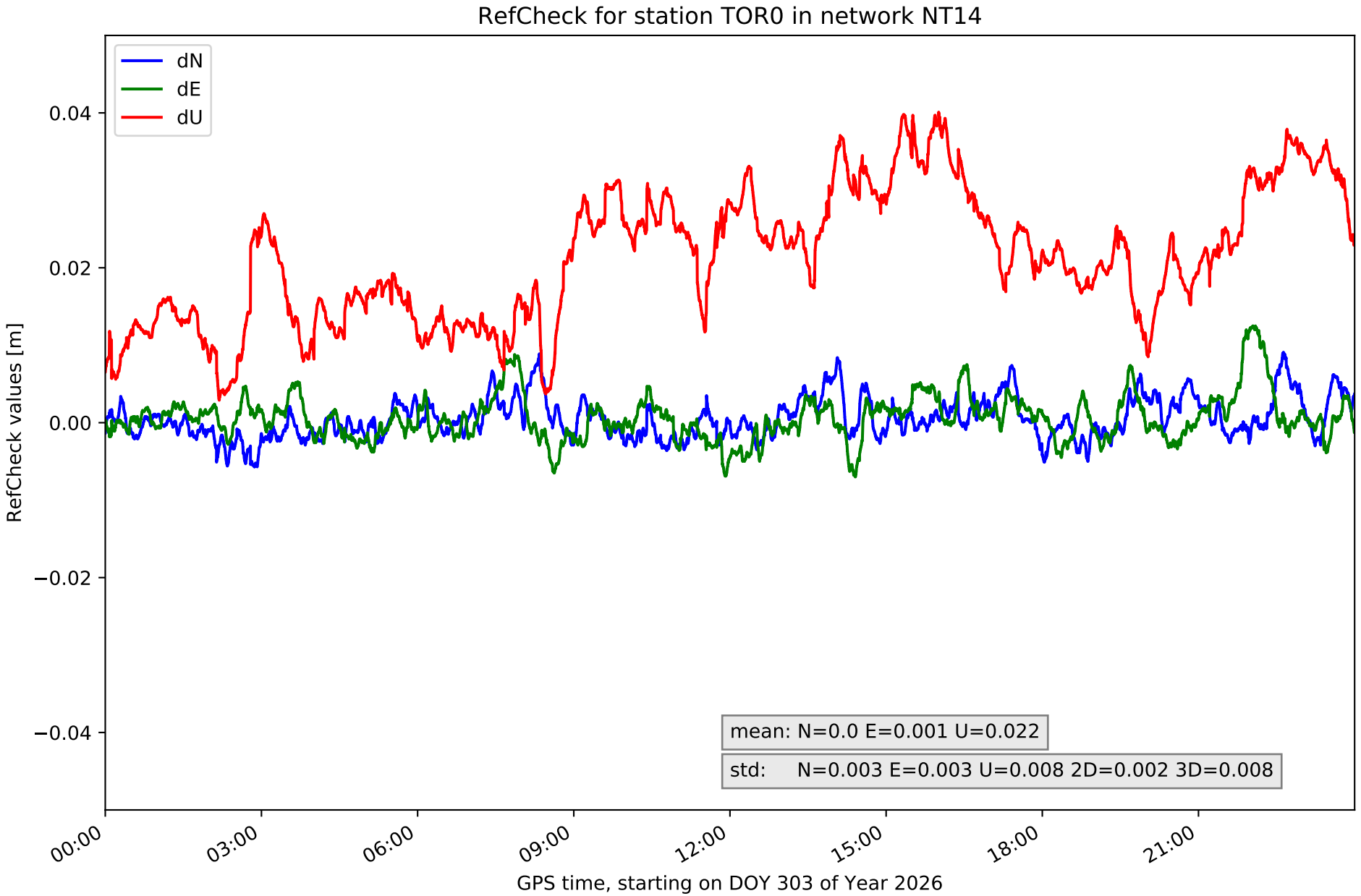

RefCheck for station BORR in network NT14
RefCheck values [m]
0.04
0.02
0.00
−0.02
−0.04
dN
dE
dU
mean: N=0.0 E=-0.003 U=0.037
std: N=0.003 E=0.004 U=0.008 2D=0.003 3D=0.008
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 303 of Year 2026

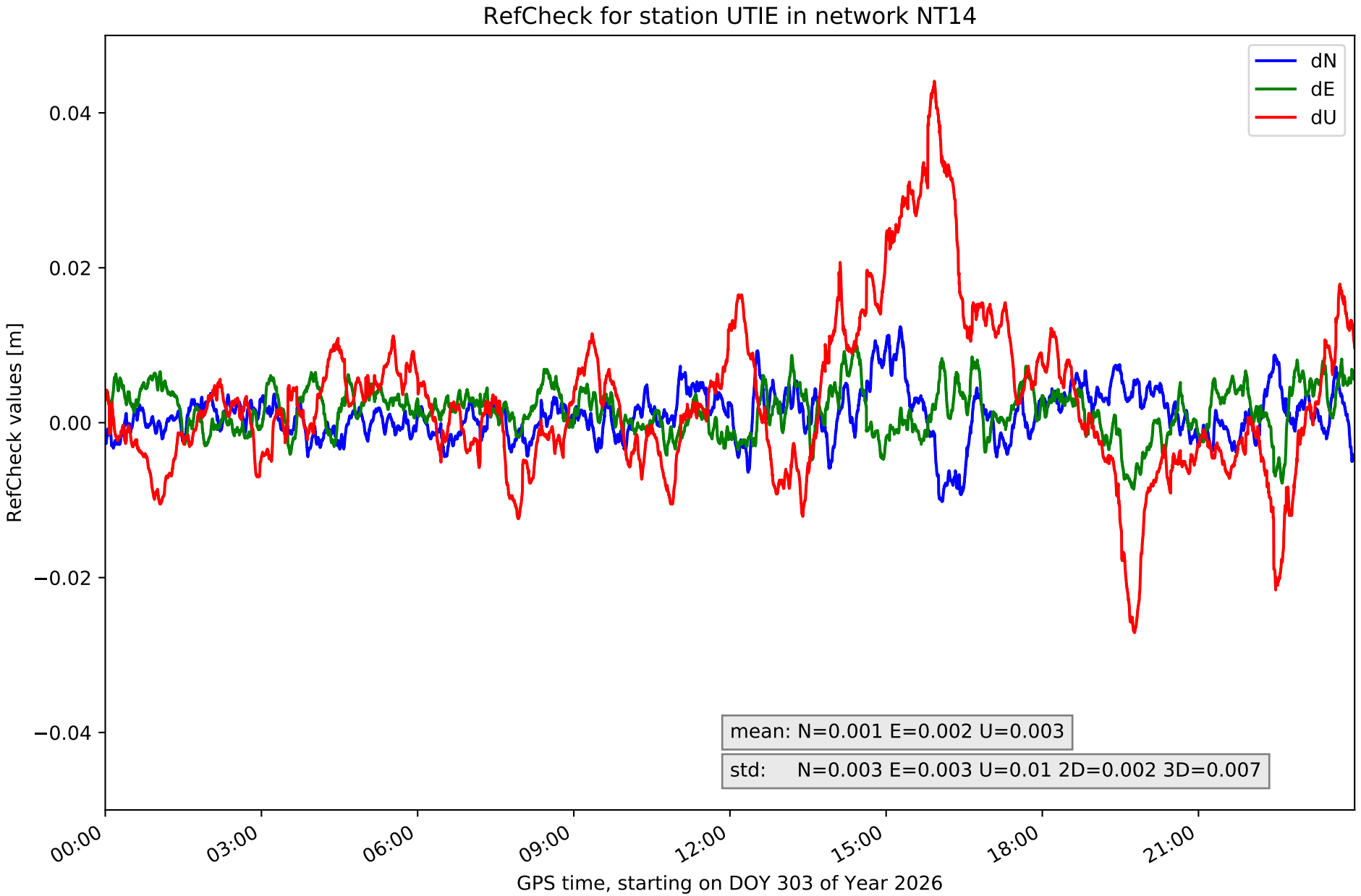

RefCheck for station DENI in network NT14
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.003 E=-0.008 U=0.007
std: N=0.004 E=0.004 U=0.012 2D=0.004 3D=0.007
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 303 of Year 2026

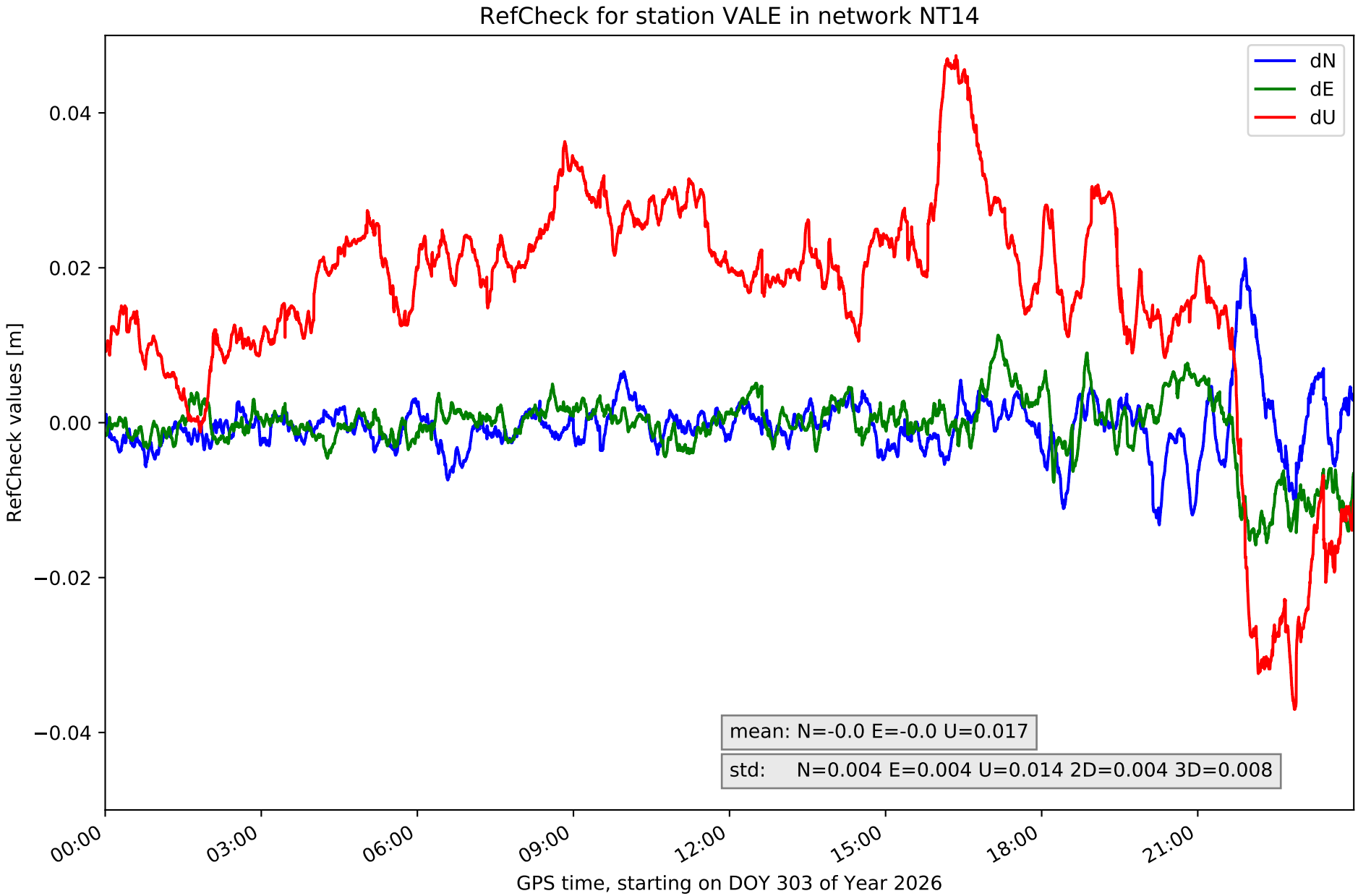

RefCheck for station IEJA in network NT14
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.001 E=0.002 U=0.004
std: N=0.003 E=0.003 U=0.007 2D=0.002 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 303 of Year 2026

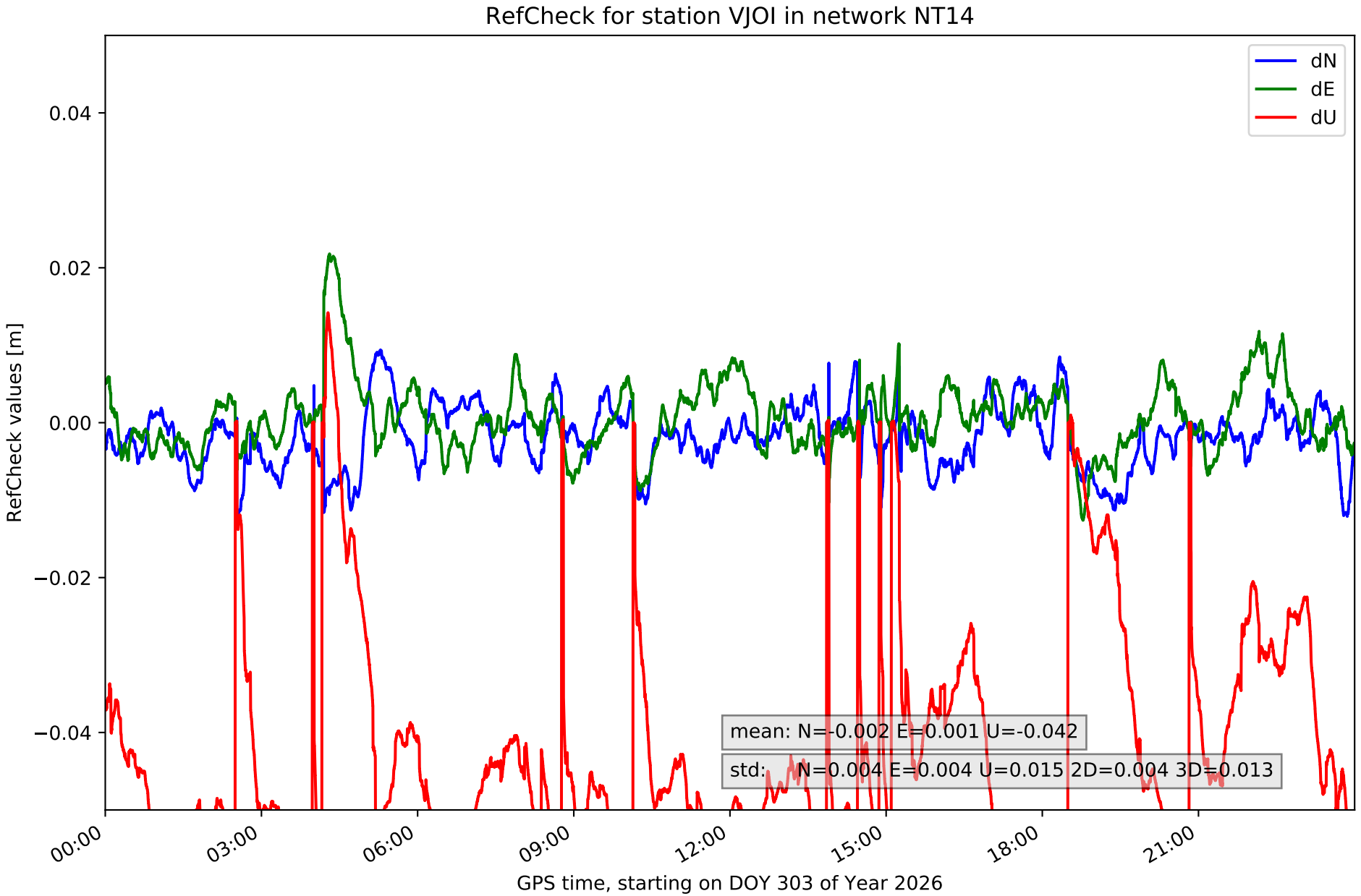

RefCheck for station PENI in network NT14
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.002 E=0.001 U=0.009
std: N=0.004 E=0.004 U=0.006 2D=0.003 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 303 of Year 2026


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=0.003 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 303 of Year 2026


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=0.0 E=0.001 U=0.022
std: N=0.003 E=0.003 U=0.008 2D=0.002 3D=0.008
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 303 of Year 2026


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=0.001 E=0.002 U=0.003
std: N=0.003 E=0.003 U=0.01 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 303 of Year 2026


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=-0.0 E=-0.0 U=0.017
std: N=0.004 E=0.004 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 303 of Year 2026


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=-0.002 E=0.001 U=-0.042
std: N=0.004 E=0.004 U=0.015 2D=0.004 3D=0.013
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 303 of Year 2026

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	-0.007	0.01	0.003	-0.009	0.007	0.003	0.001	0.057	0.008	0.002	0.008	502	0.6	62290	79.9
AIO2	**-0.021**	0.007	**0.004**	-0.012	0.009	0.003	-0.009	0.045	0.01	0.003	0.009	4762	6.1	12552	16.1
ALAC	-0.006	0.006	0.002	-0.006	0.014	0.003	0.007	0.046	0.008	0.002	0.008	986	1.3	58649	75.3
ALCO	-0.007	0.012	0.003	-0.017	0.01	**0.004**	-0.013	0.035	0.009	0.003	0.007	2538	3.3	15708	20.2
BORR	-0.014	0.009	0.003	-0.014	0.008	**0.004**	0.013	**0.059**	0.008	0.003	0.008	2641	3.4	**76764**	**98.5**
DENI	-0.018	0.009	**0.004**	**-0.022**	0.004	**0.004**	-0.035	0.035	0.012	**0.004**	0.007	**29591**	**38.0**	20773	26.7
IEJA	-0.02	0.013	0.003	-0.008	0.014	0.003	-0.017	0.025	0.007	0.002	0.004	1510	1.9	503	0.6
PENI	-0.015	0.011	**0.004**	-0.009	0.013	**0.004**	-0.006	0.032	0.006	0.003	0.005	7353	9.4	3507	4.5
SARR	-0.005	0.012	0.003	-0.006	0.011	0.003	-0.012	0.023	0.006	0.003	0.004	3443	4.4	879	1.1
TOR0	-0.006	0.009	0.003	-0.007	0.013	0.003	0.003	0.04	0.008	0.002	0.008	1078	1.4	44943	57.7
UTIE	-0.01	0.012	0.003	-0.009	0.01	0.003	-0.027	0.044	0.01	0.002	0.007	1577	2.0	6596	8.5
VALE	-0.013	**0.021**	**0.004**	-0.016	0.011	**0.004**	-0.037	0.047	0.014	**0.004**	0.008	6728	8.6	43346	55.6
VJOI	-0.013	0.009	**0.004**	-0.013	**0.022**	**0.004**	**-0.062**	0.014	**0.015**	**0.004**	**0.013**	7021	9.0	72434	93.0
Mean	**-0.012**	**0.011**	**0.003**	**-0.011**	**0.011**	**0.003**	**-0.015**	**0.039**	**0.009**	**0.003**	**0.007**	**5363.8**	**6.9**	**32226.5**	**41.4**
Min/Max	**-0.021**	**0.021**	**0.004**	**-0.022**	**0.022**	**0.004**	**-0.062**	**0.059**	**0.015**	**0.004**	**0.013**	**29591**	**38.0**	**76764**	**98.5**

fixing statistic for network NT14

fixing percentage of	all GNSS	G	R	E	C
using threshold 0.3	93.9	93.2	93.6	95.6	93.1
considering satellites with dual-frequency fixed	91.6	91.5	90.5	93.7	90.0
considering all signals separately	91.5	91.6	90.5	93.8	88.3