summary for network NT14

timeperiod chosen: from 2026-11-01-00:00:00 until 2026-11-01-23:59:59

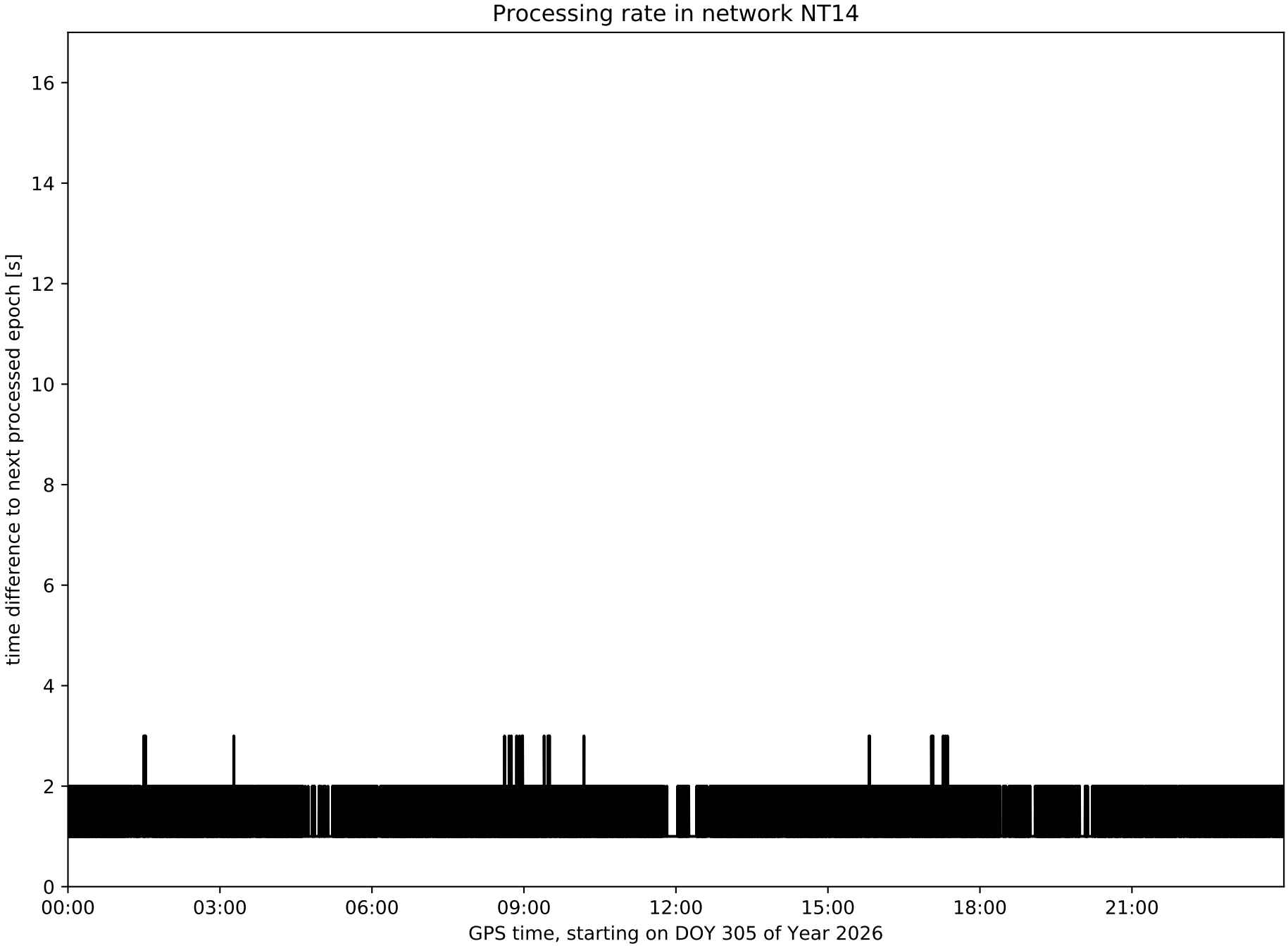
average update rate (durations larger than 15 seconds considered as observation gap): 1.1 seconds

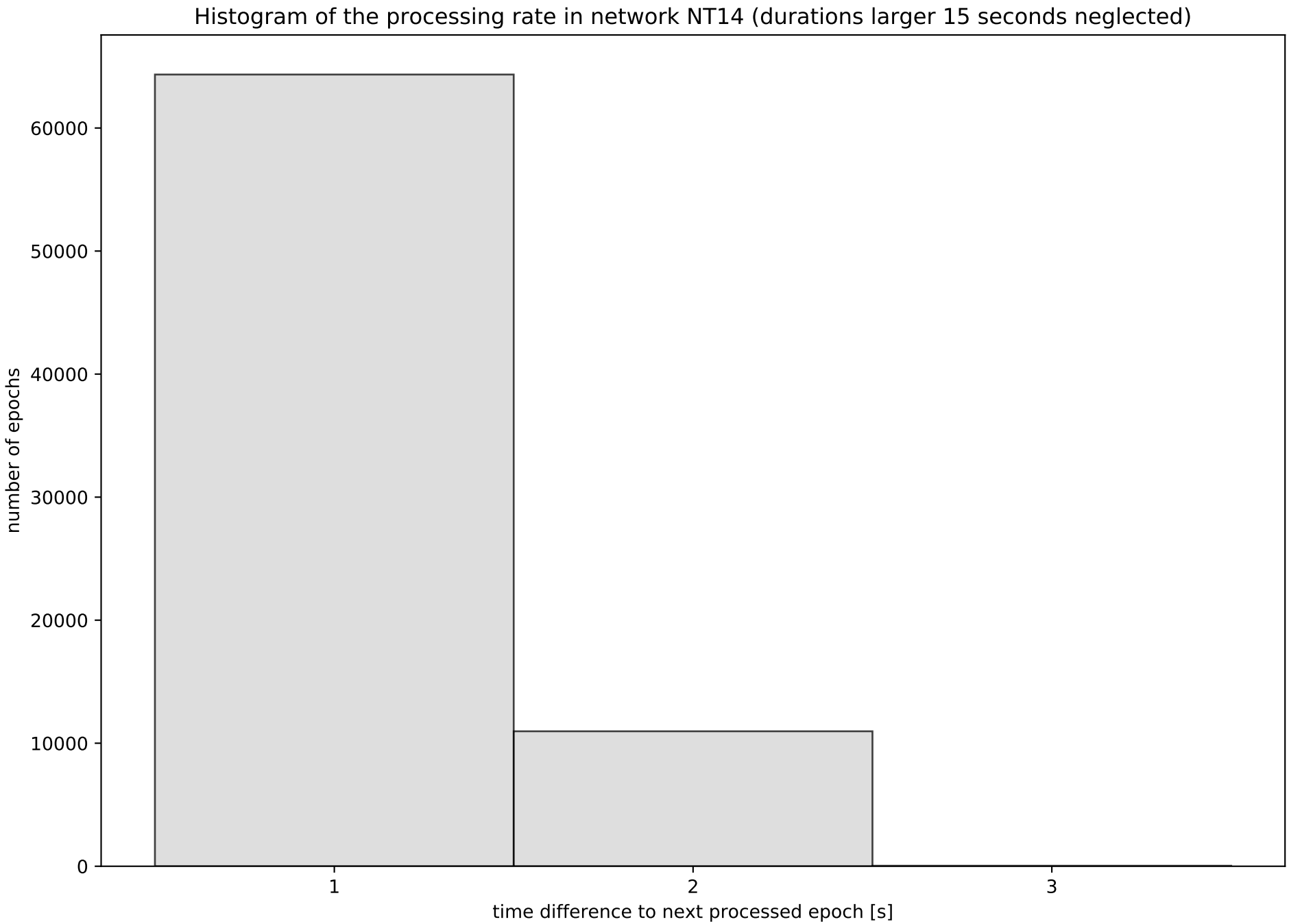
average fixing percentage with threshold set to 0.3: 95.1 percent

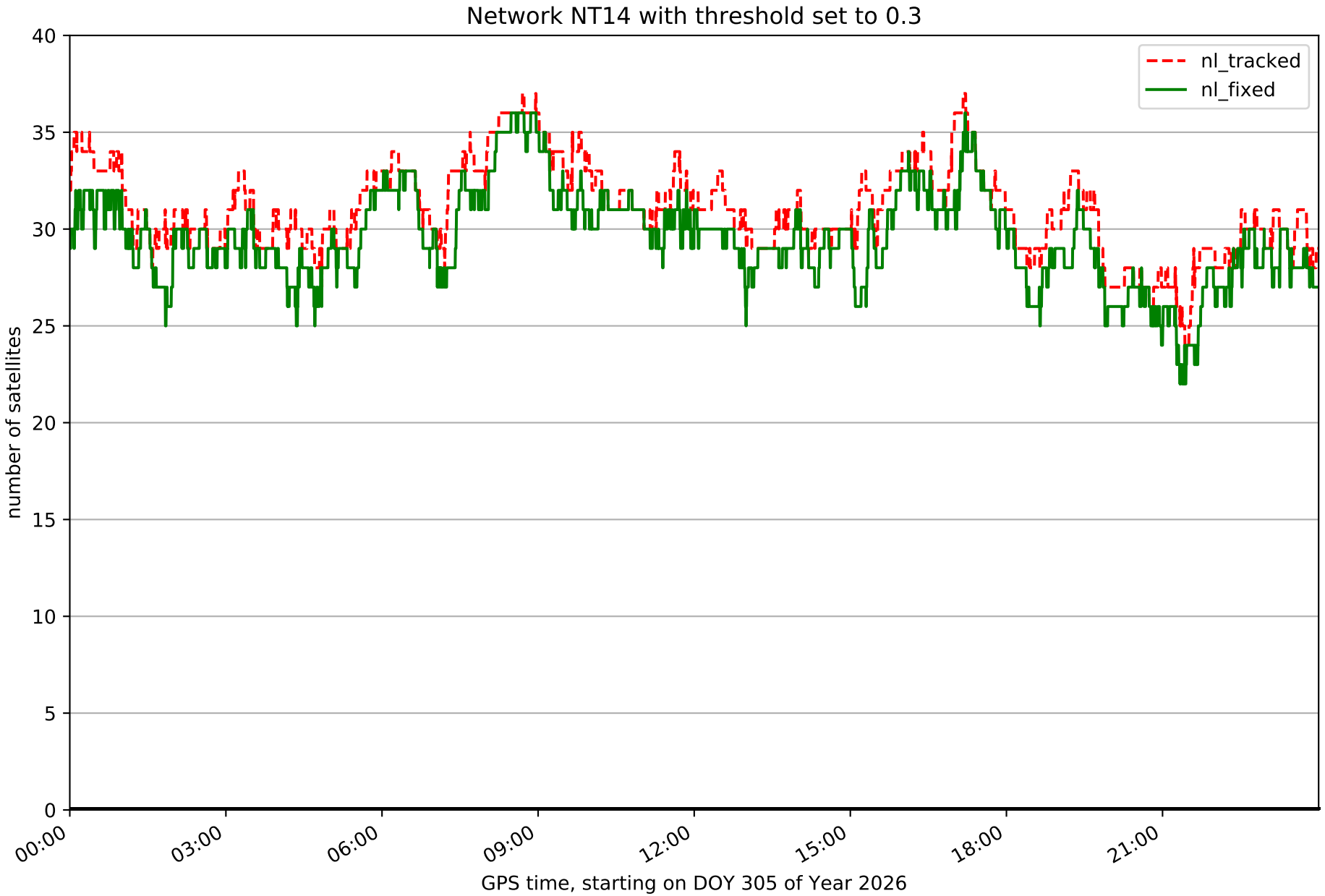
stations available: 13 of 13

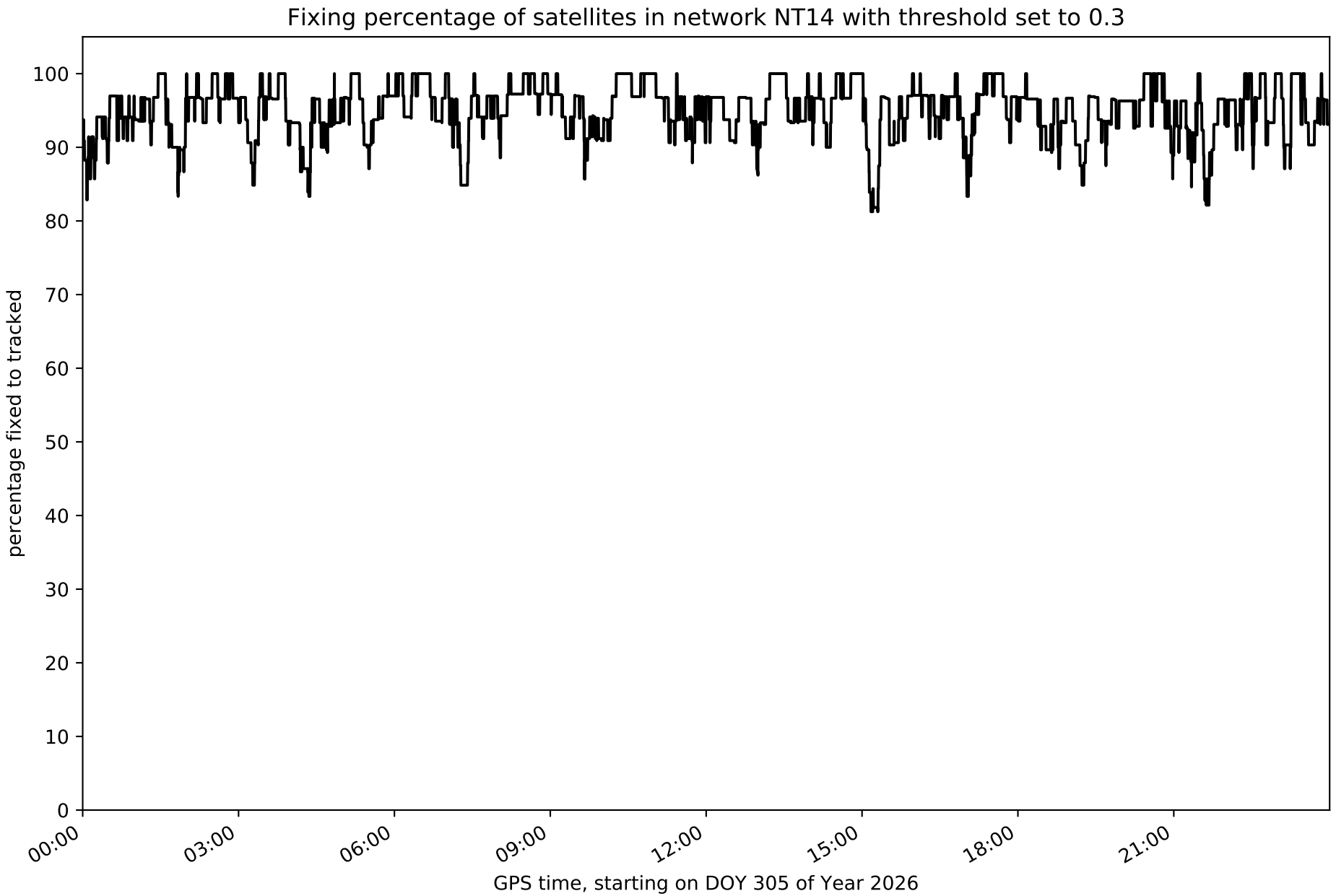
station information:

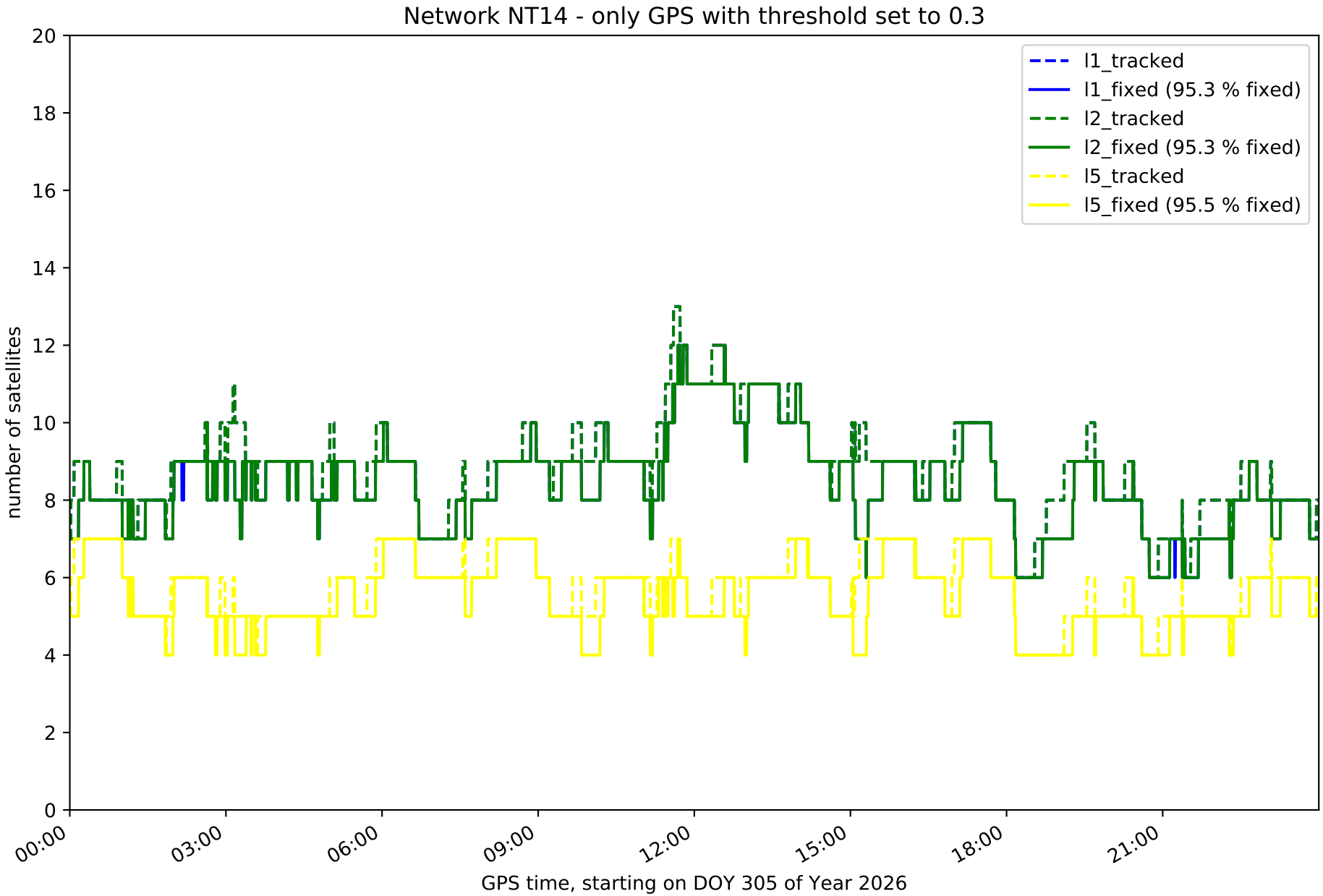
station ABAN:	antenna: LEIAR25 LEIT	receiver: LEICA GR30	height: 207.761
station AIO2:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 662.857
station ALAC:	antenna: LEIAR25.R3 LEIT	receiver: LEICA GR50	height: 63.359
station ALCO:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR30	height: 640.126
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

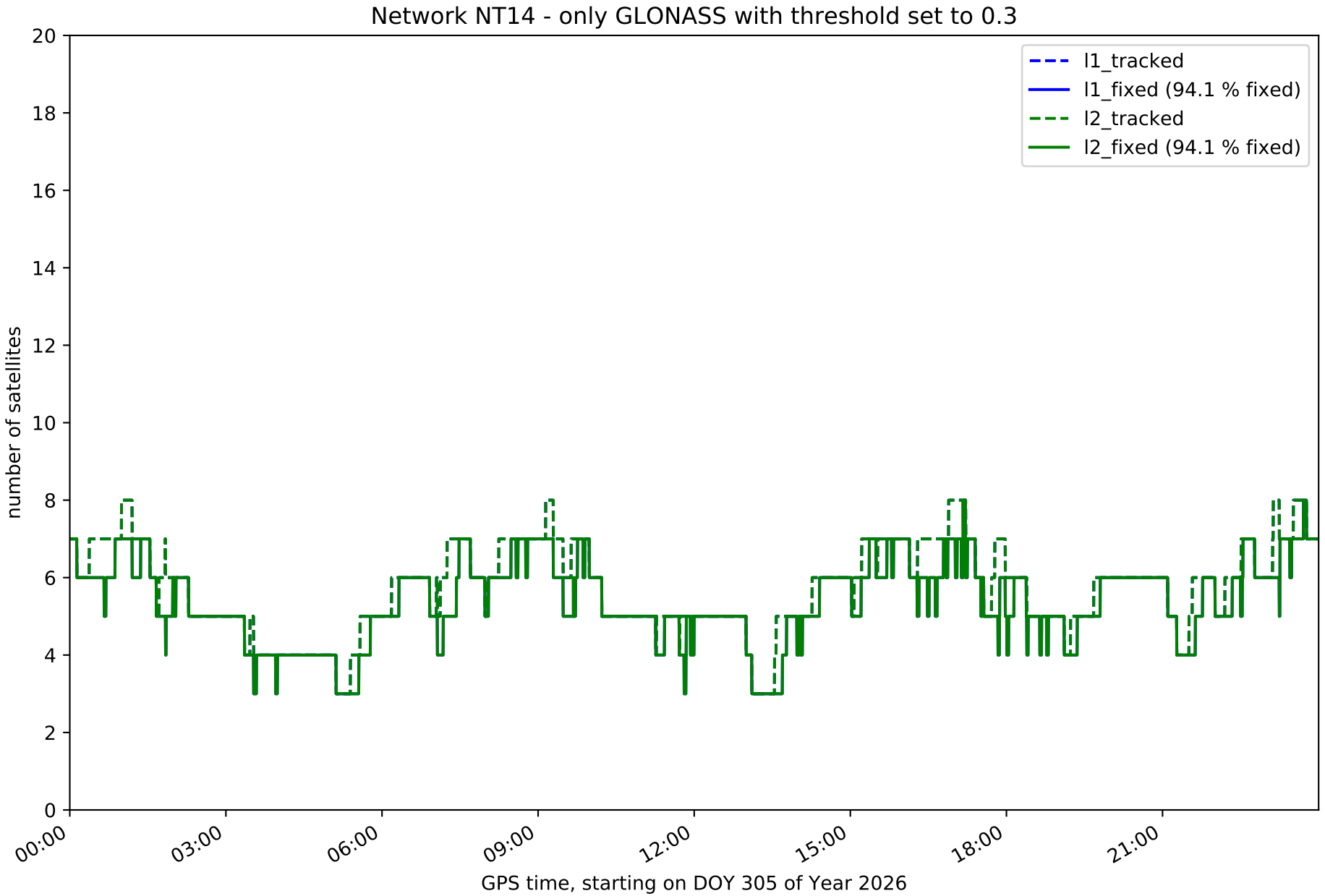

Processing rate in network NT14
time difference to next processed epoch [s]
0
2
4
6
8
10
12
14
16
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 305 of Year 2026

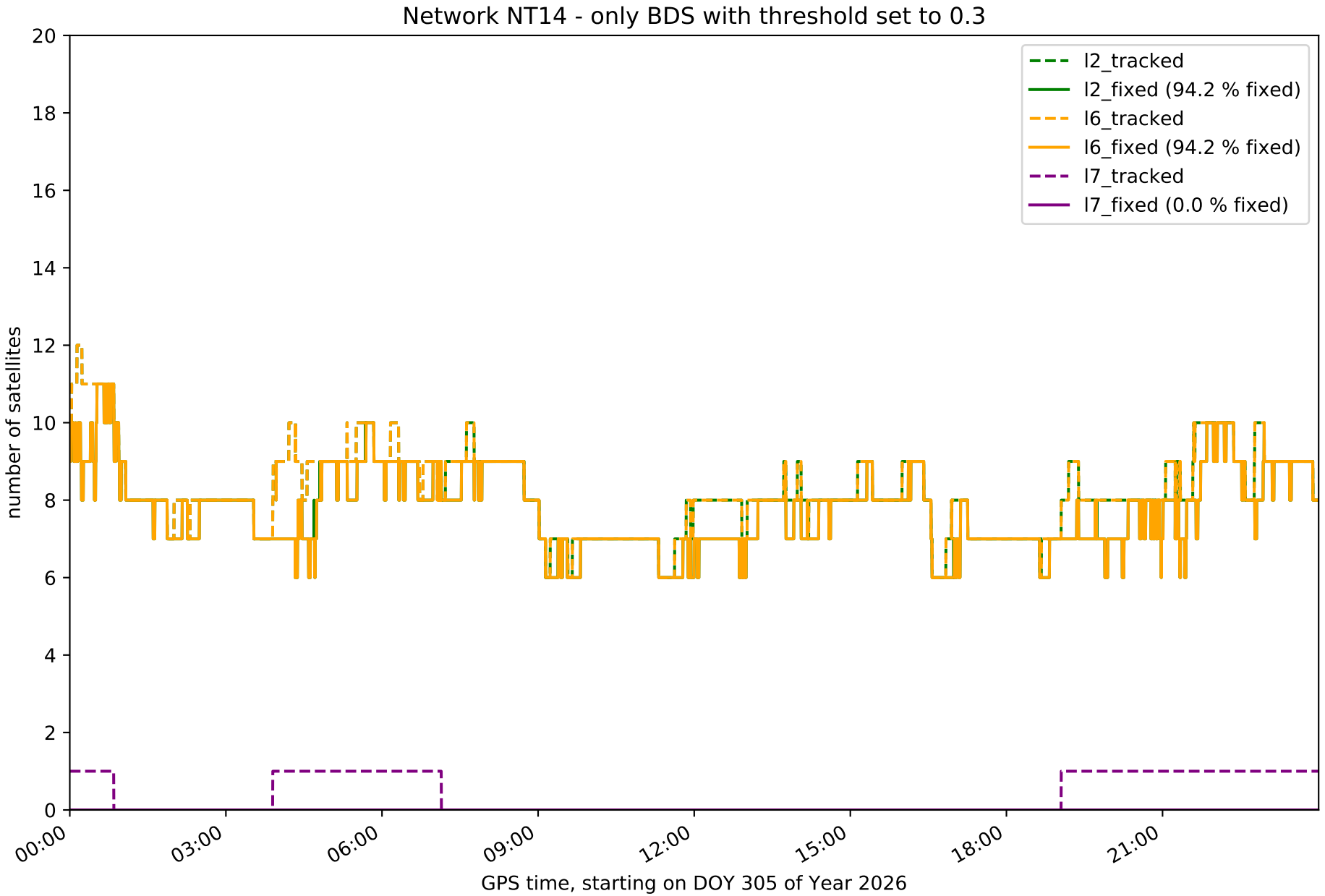

Histogram of the processing rate in network NT14 (durations larger 15 seconds neglected)
number of epochs
0
10000
20000
30000
40000
50000
60000
1
2
3
time difference to next processed epoch [s]

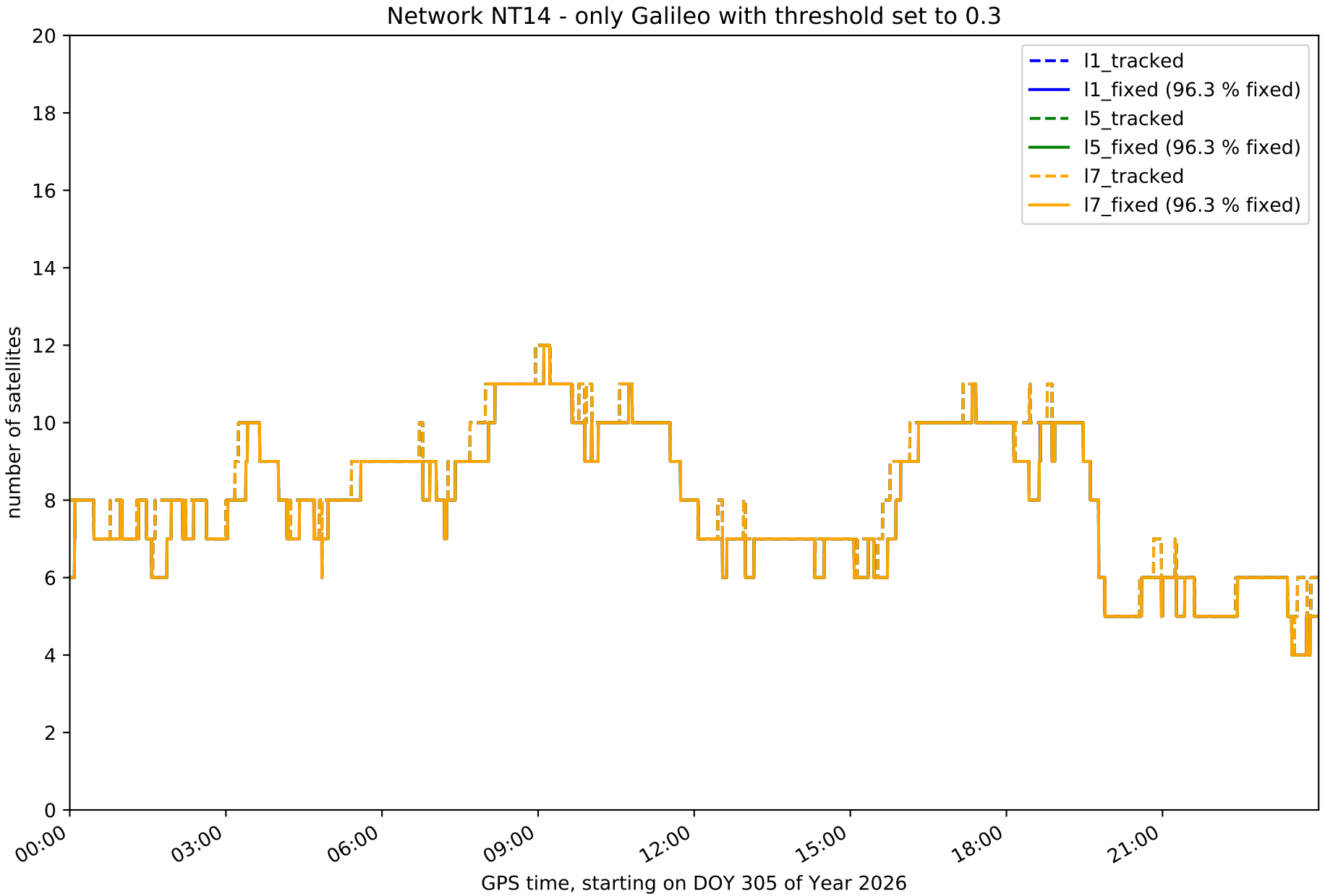

Network NT14 with threshold set to 0.3
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
40
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 305 of Year 2026

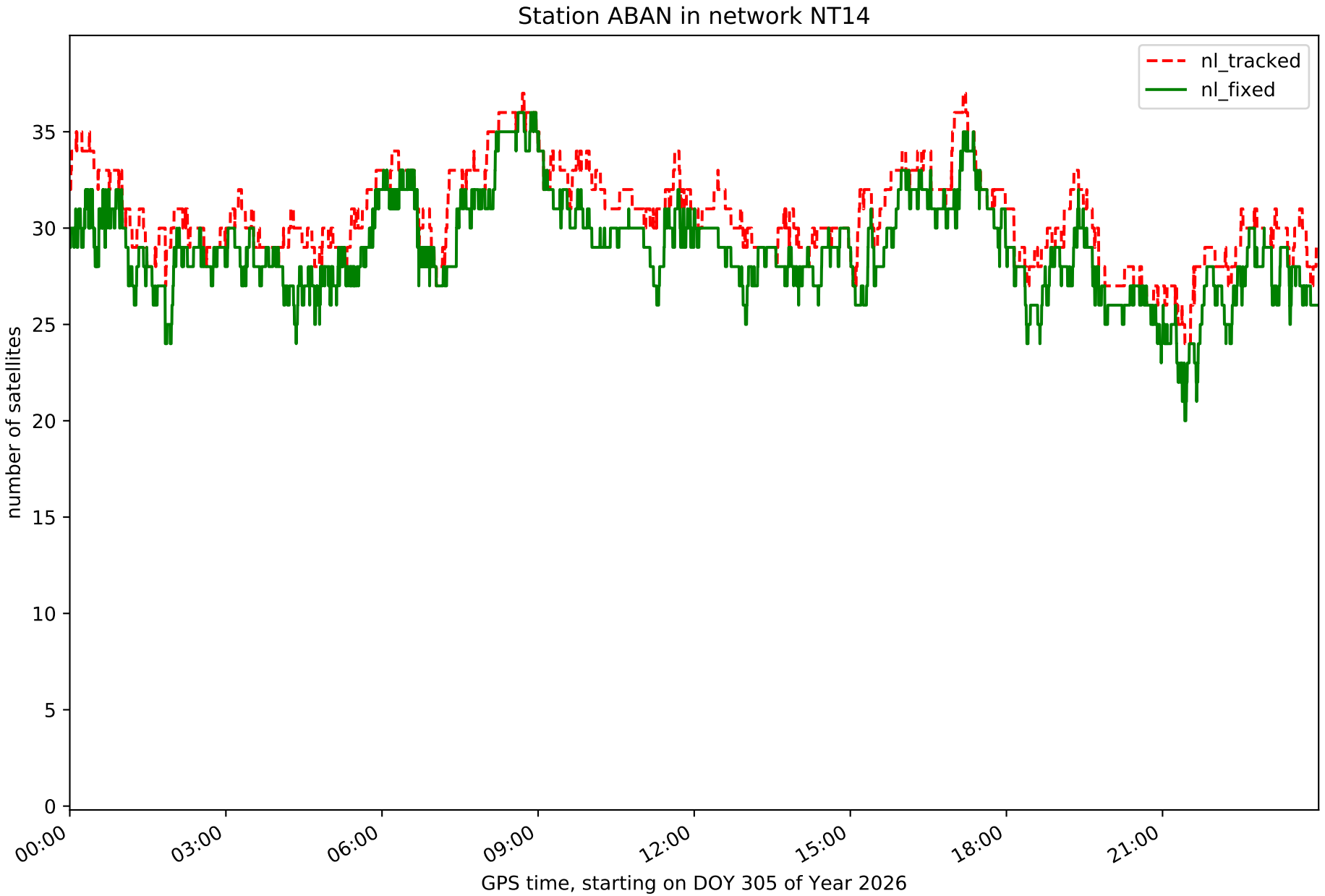

Fixing percentage of satellites in network NT14 with threshold set to 0.3
percentage fixed to tracked
100
90
80
70
60
50
40
30
20
10
0
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 305 of Year 2026

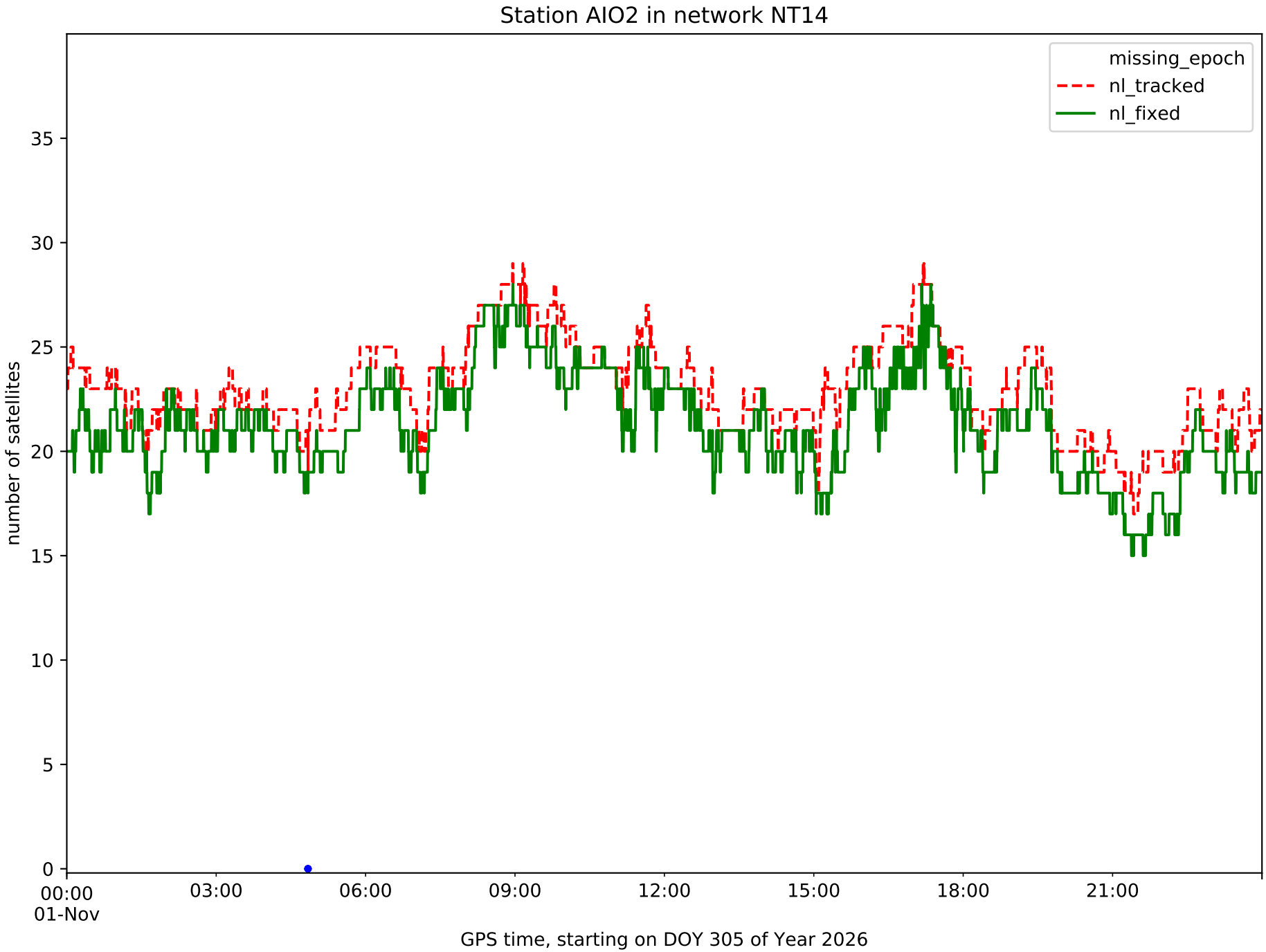

Network NT14 - only GPS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 305 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
l1_tracked
l1_fixed (95.3 % fixed)
l2_tracked
l2_fixed (95.3 % fixed)
l5_tracked
l5_fixed (95.5 % fixed)

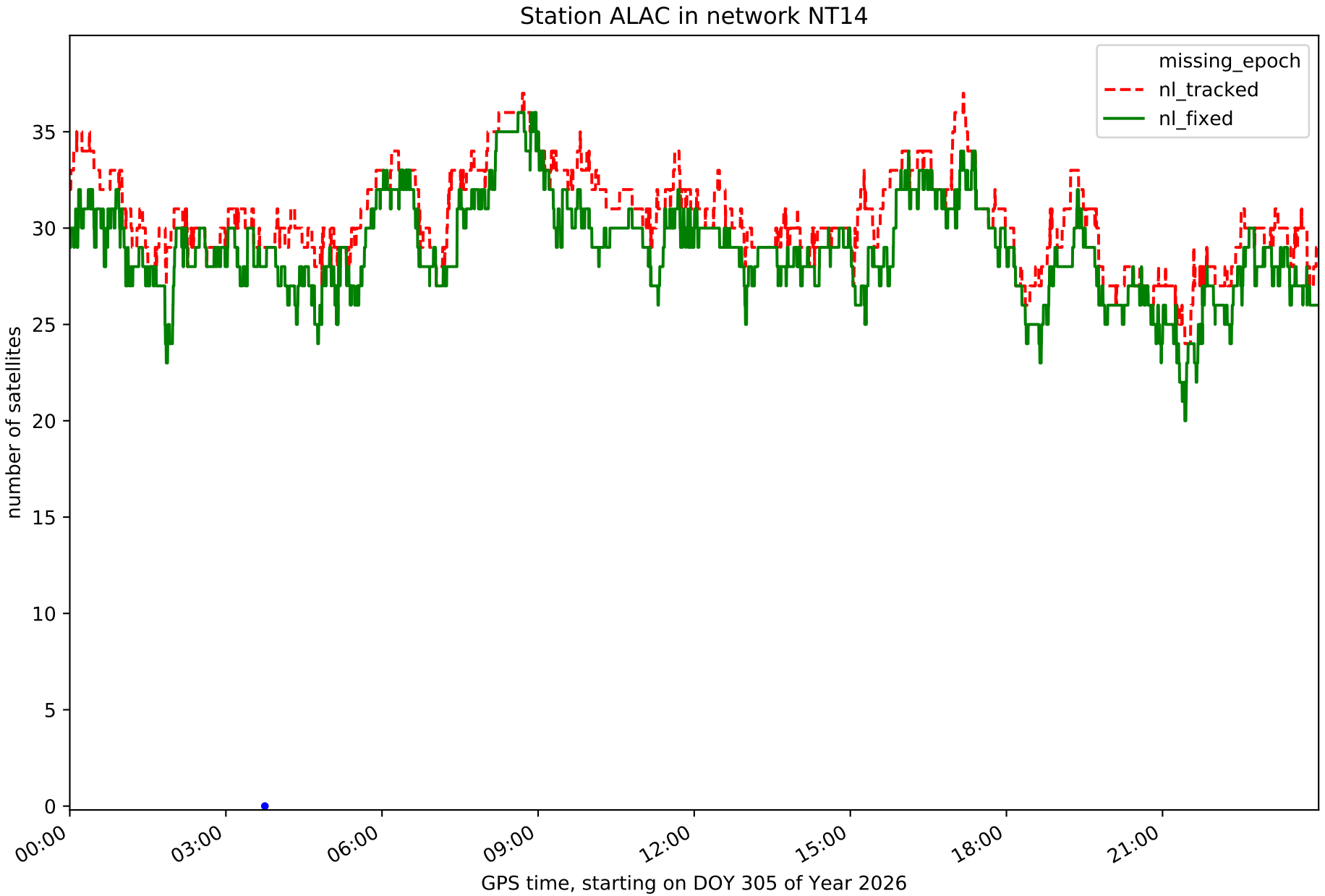

Network NT14 - only GLONASS with threshold set to 0.3
l1_tracked
l1_fixed (94.1 % fixed)
l2_tracked
l2_fixed (94.1 % fixed)
number of satellites
0
2
4
6
8
10
12
14
16
18
20
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 305 of Year 2026

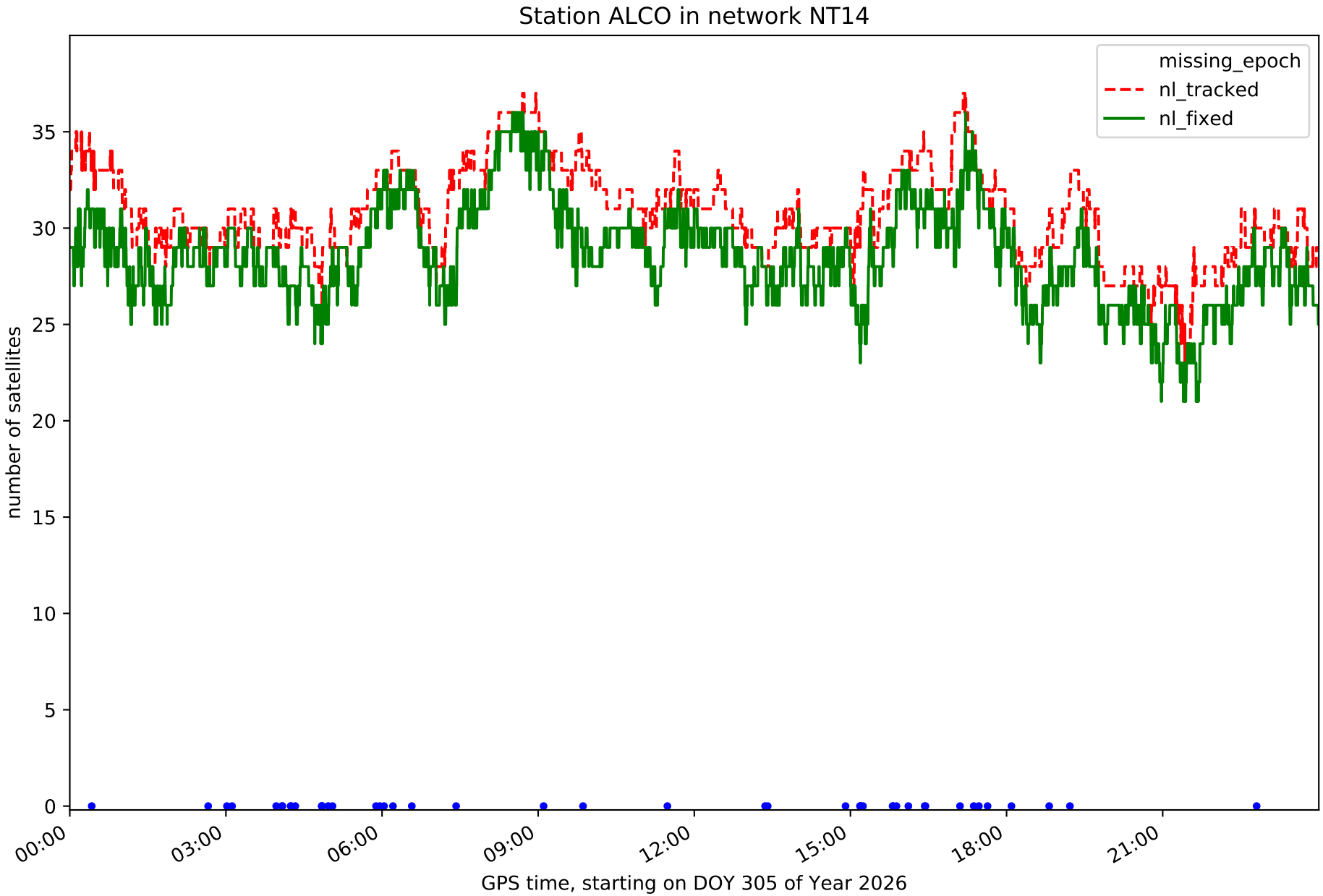

Network NT14 - only BDS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 305 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
I2_tracked
I2_fixed (94.2 % fixed)
I6_tracked
I6_fixed (94.2 % fixed)
I7_tracked
I7_fixed (0.0 % fixed)

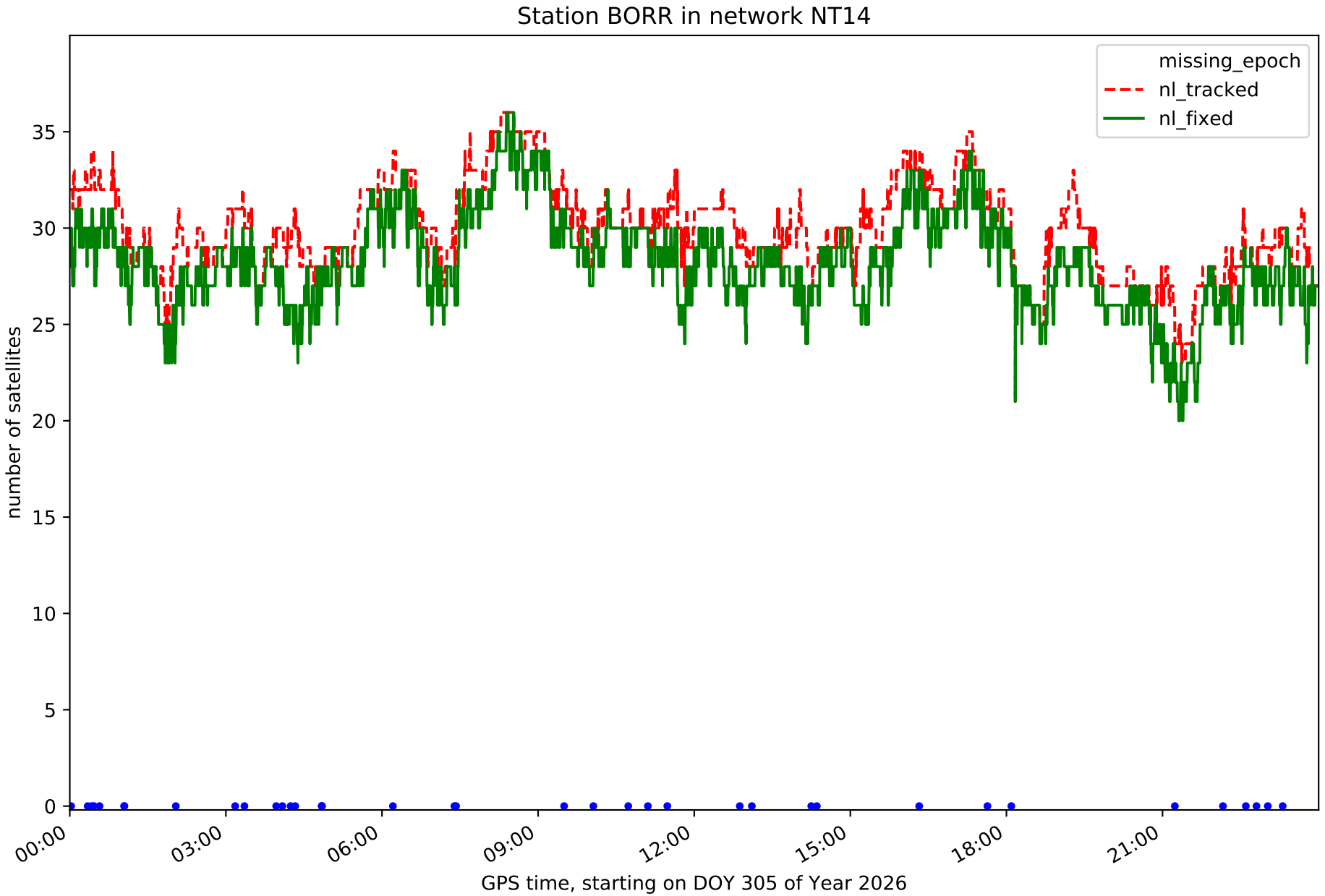

Network NT14 - only Galileo with threshold set to 0.3
number of satellites
GPS time, starting on DOY 305 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
l1_tracked
l1_fixed (96.3 % fixed)
l5_tracked
l5_fixed (96.3 % fixed)
l7_tracked
l7_fixed (96.3 % fixed)

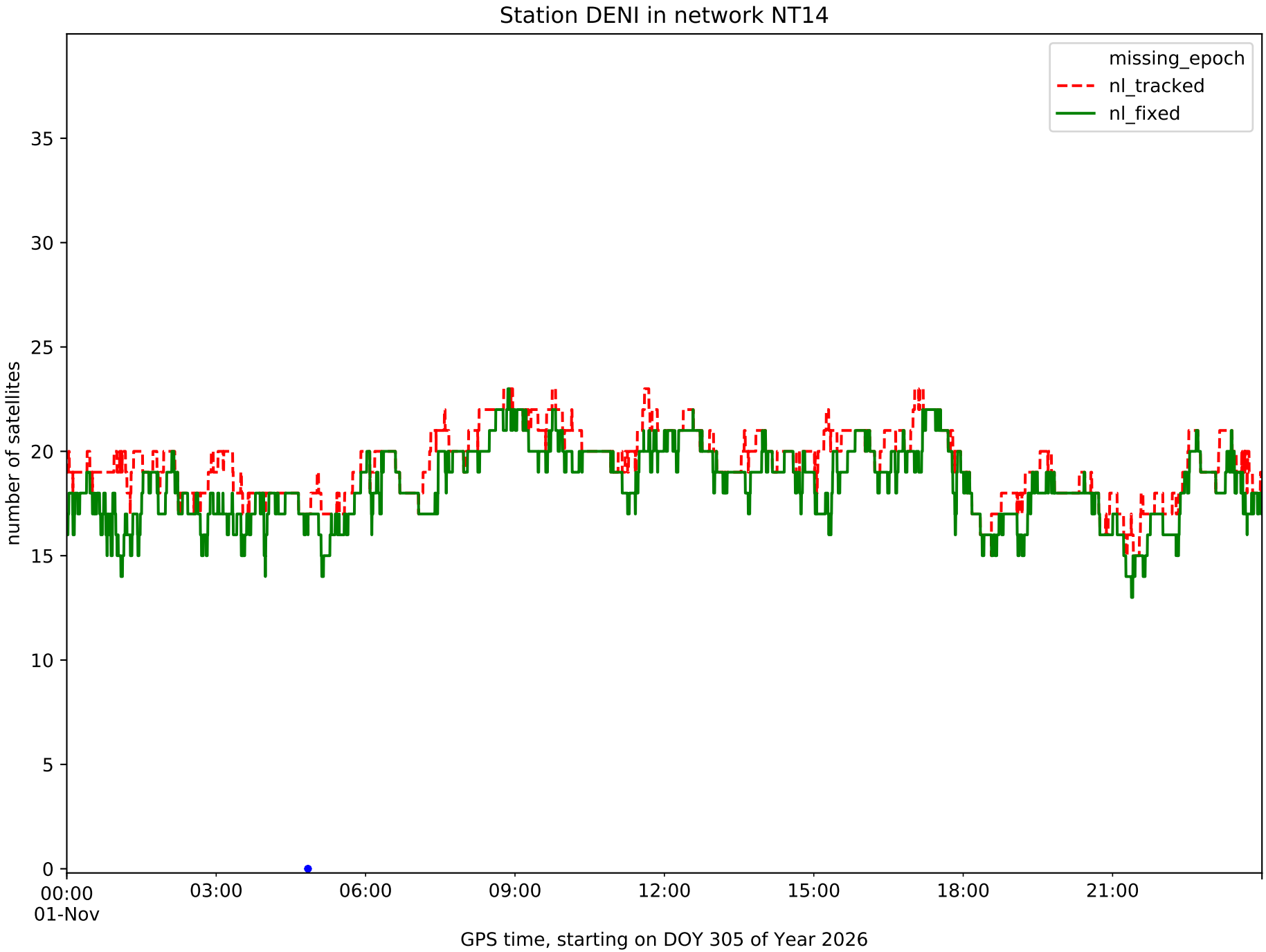

Station ABAN in network NT14
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 305 of Year 2026

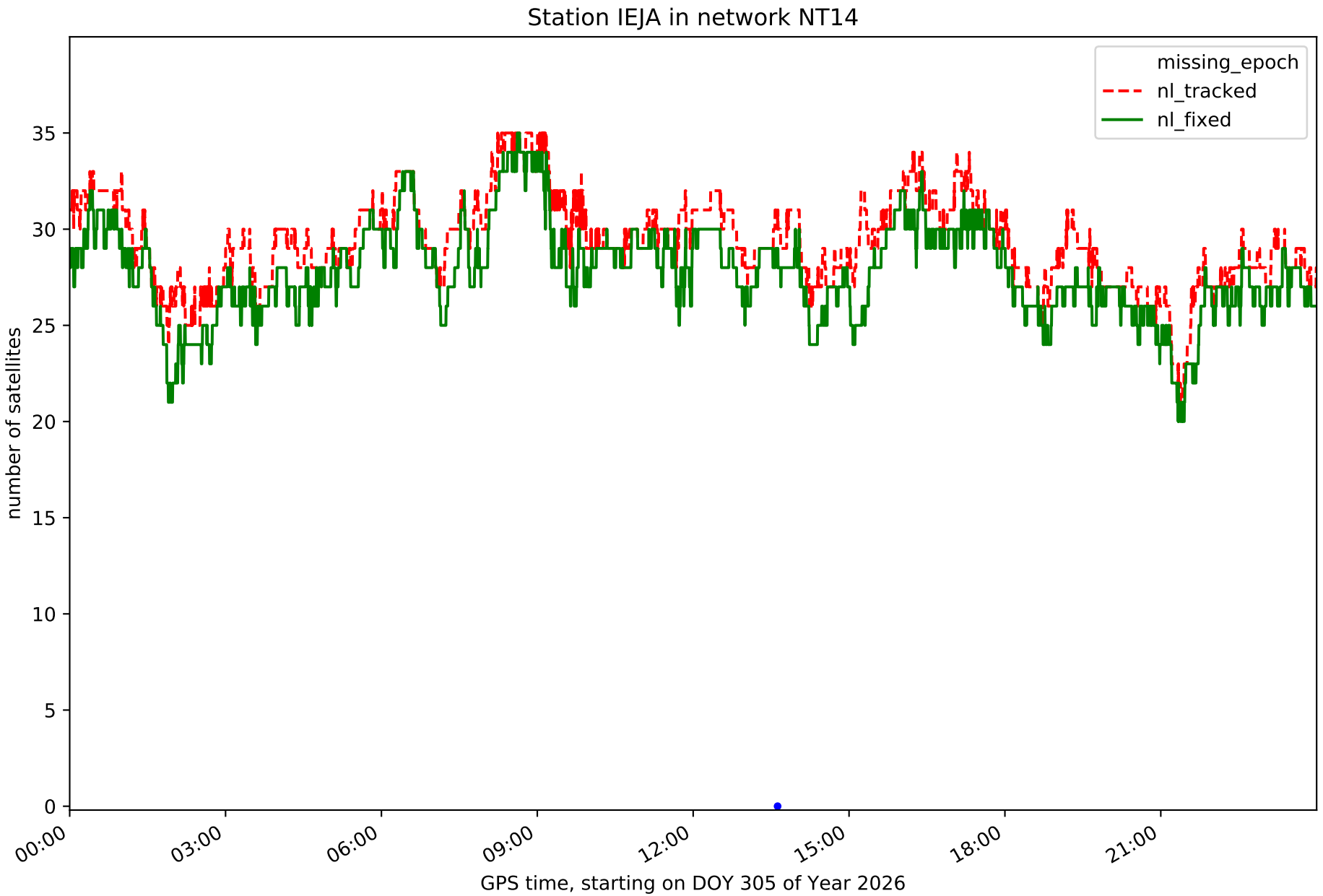

Station AIO2 in network NT14
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
01-Nov
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 305 of Year 2026

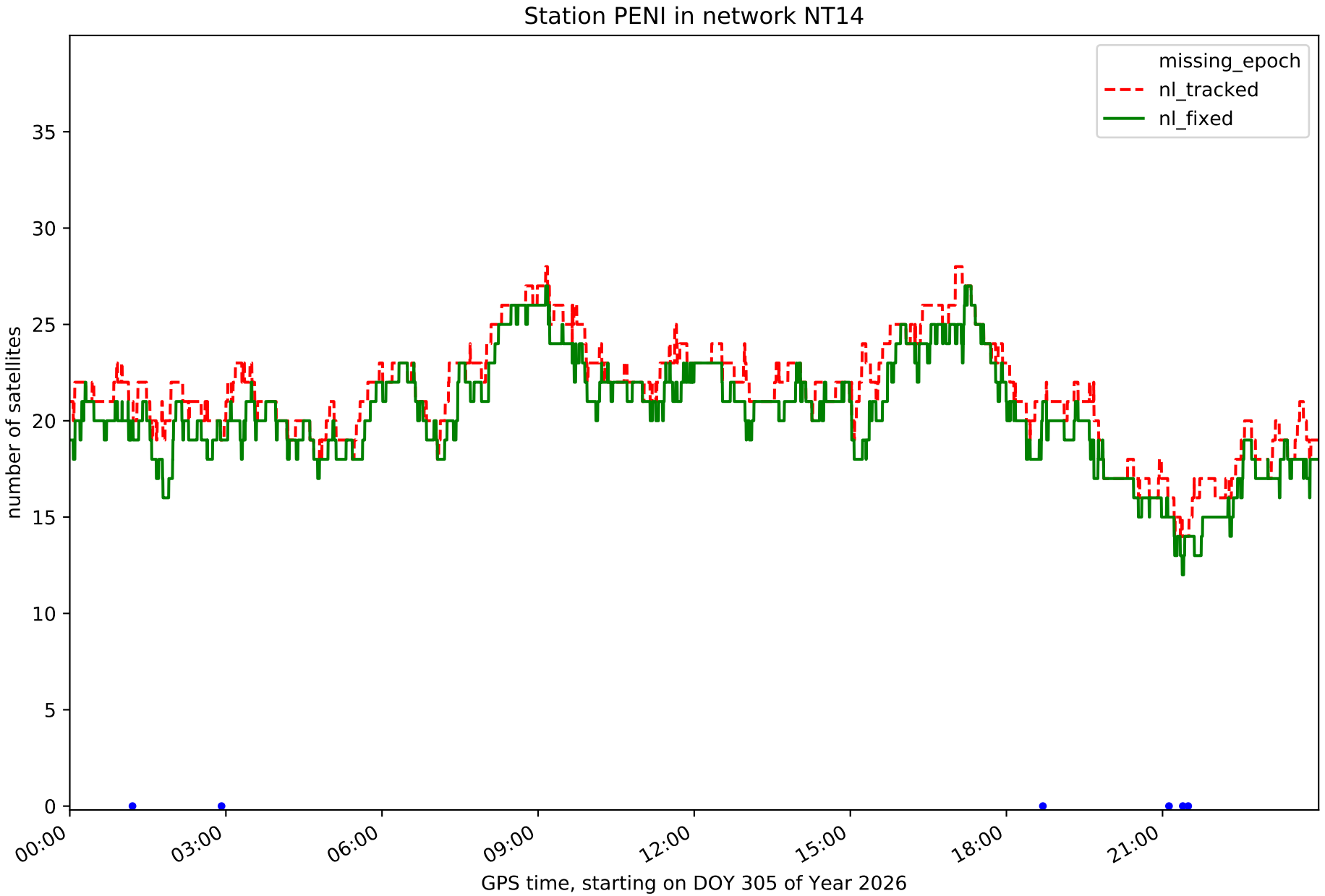

Station ALAC in network NT14
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 305 of Year 2026

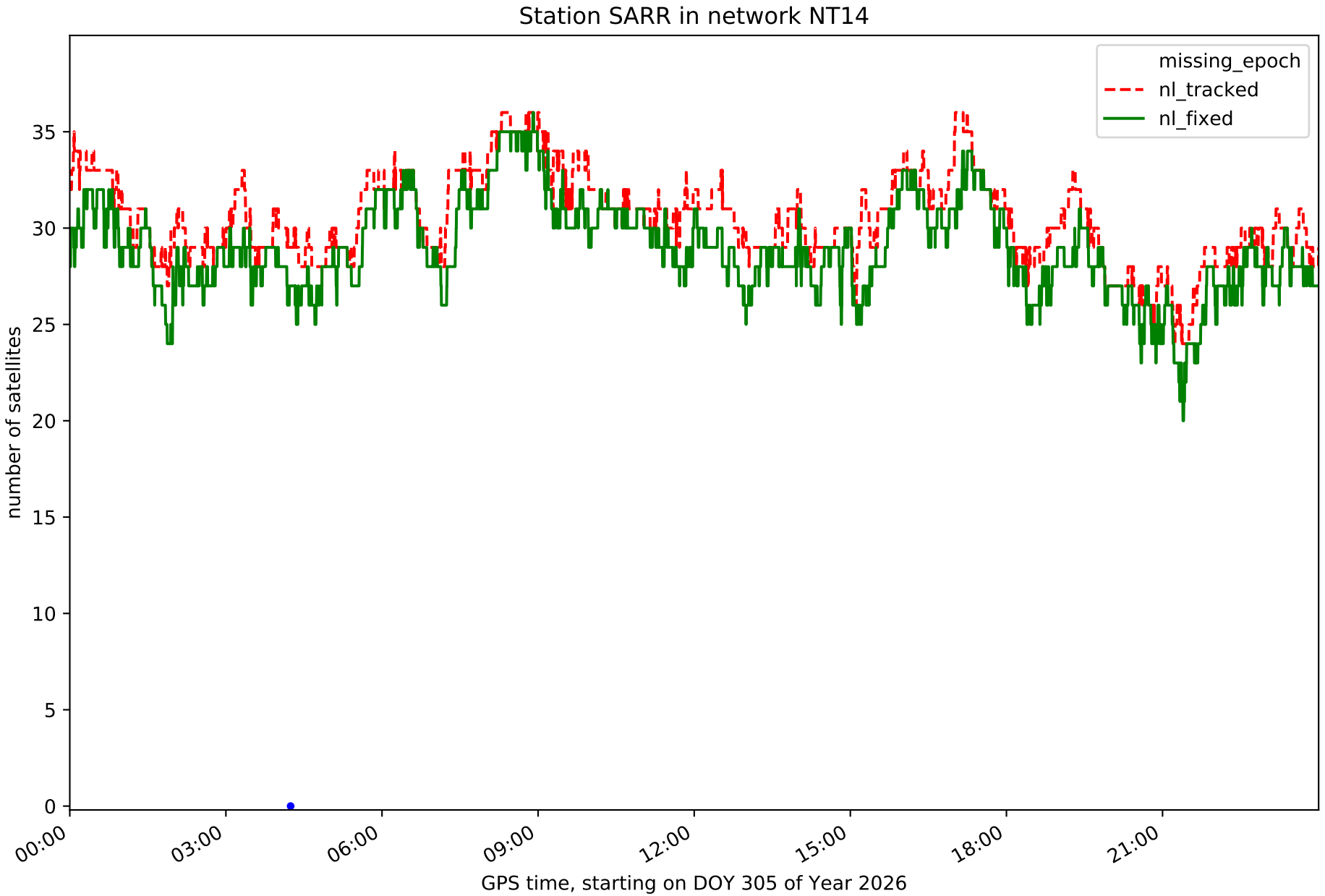

Station ALCO in network NT14
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 305 of Year 2026

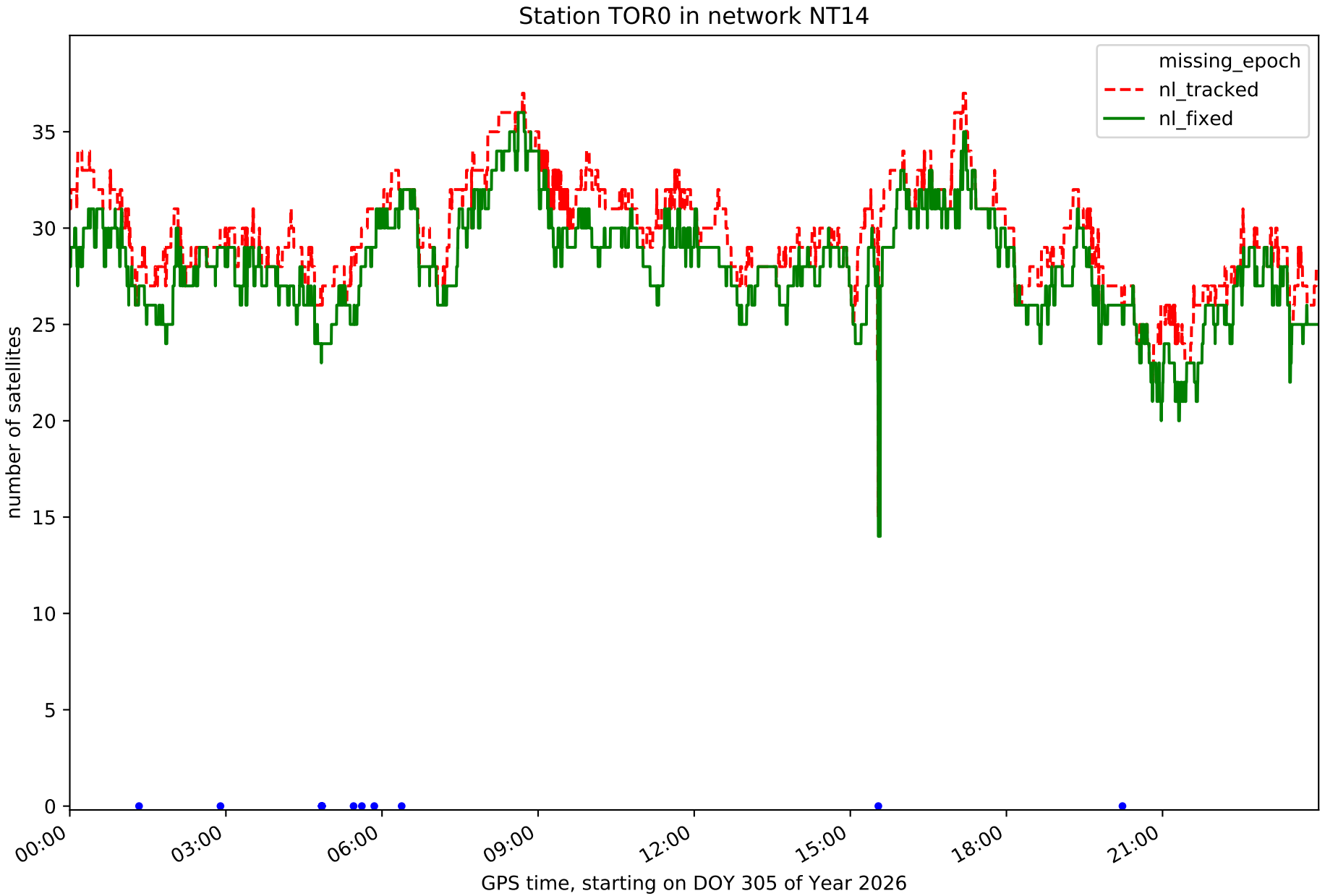

Station BORR in network NT14
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 305 of Year 2026

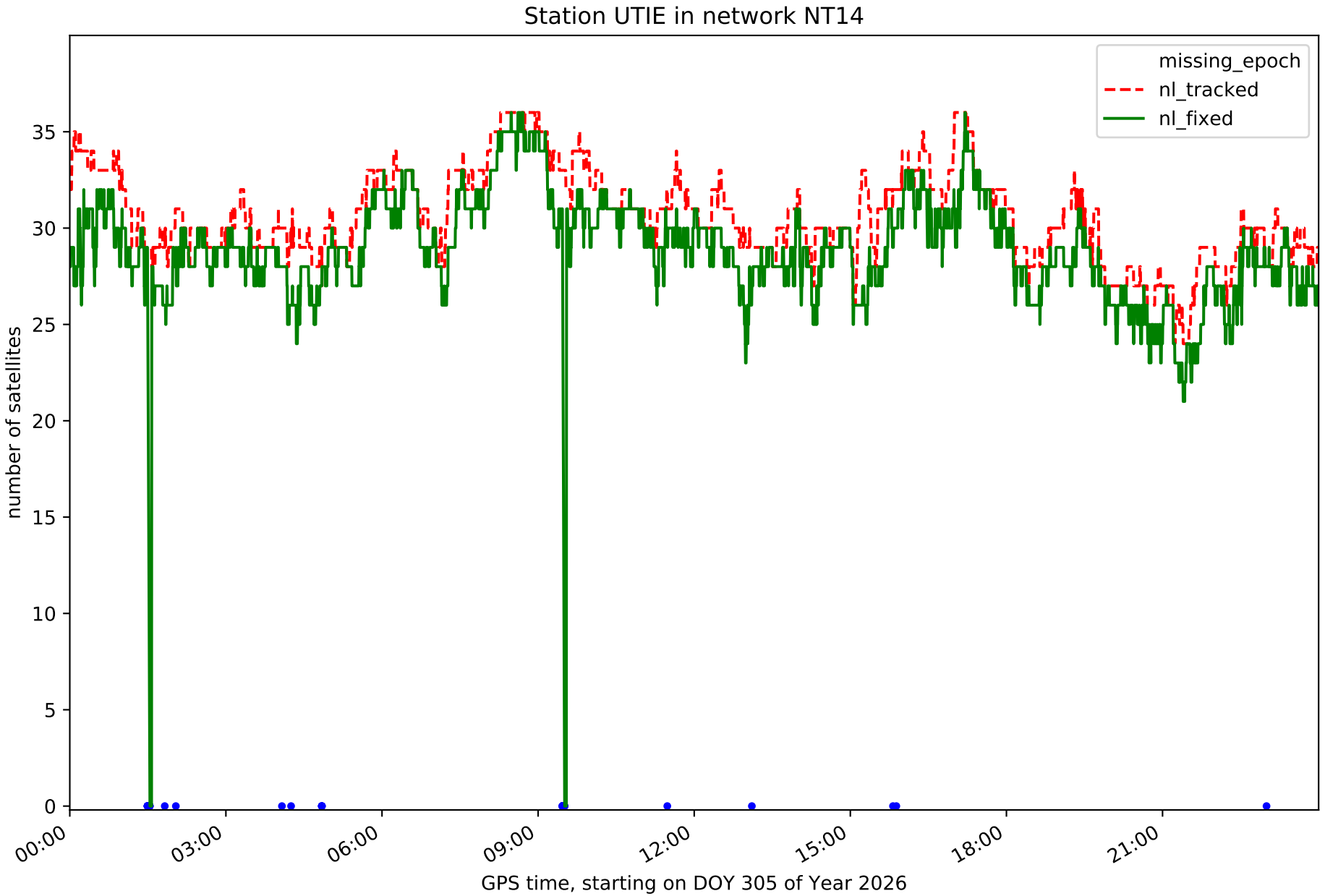

Station DENI in network NT14
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
01-Nov
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 305 of Year 2026

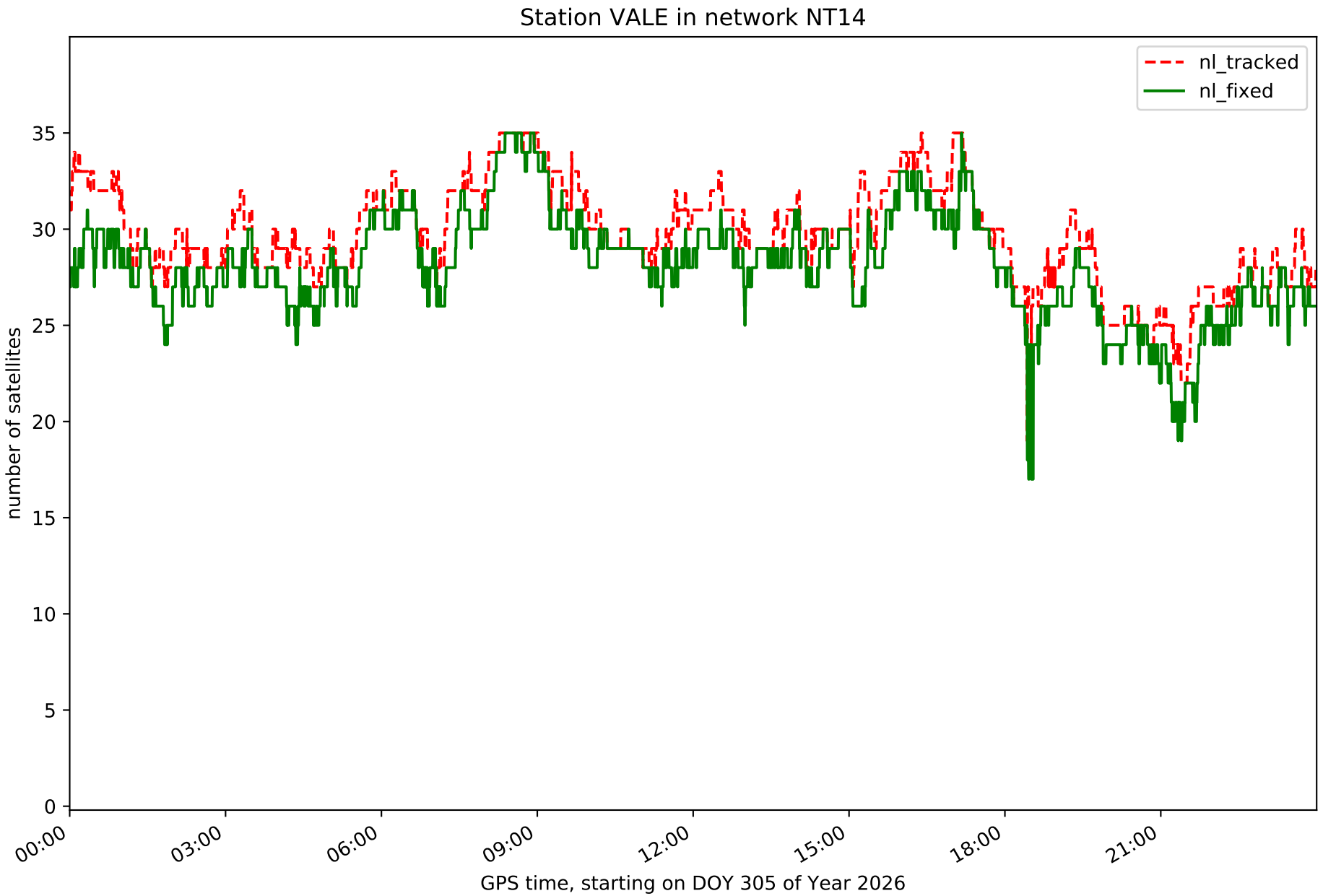

Station IEJA in network NT14
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 305 of Year 2026

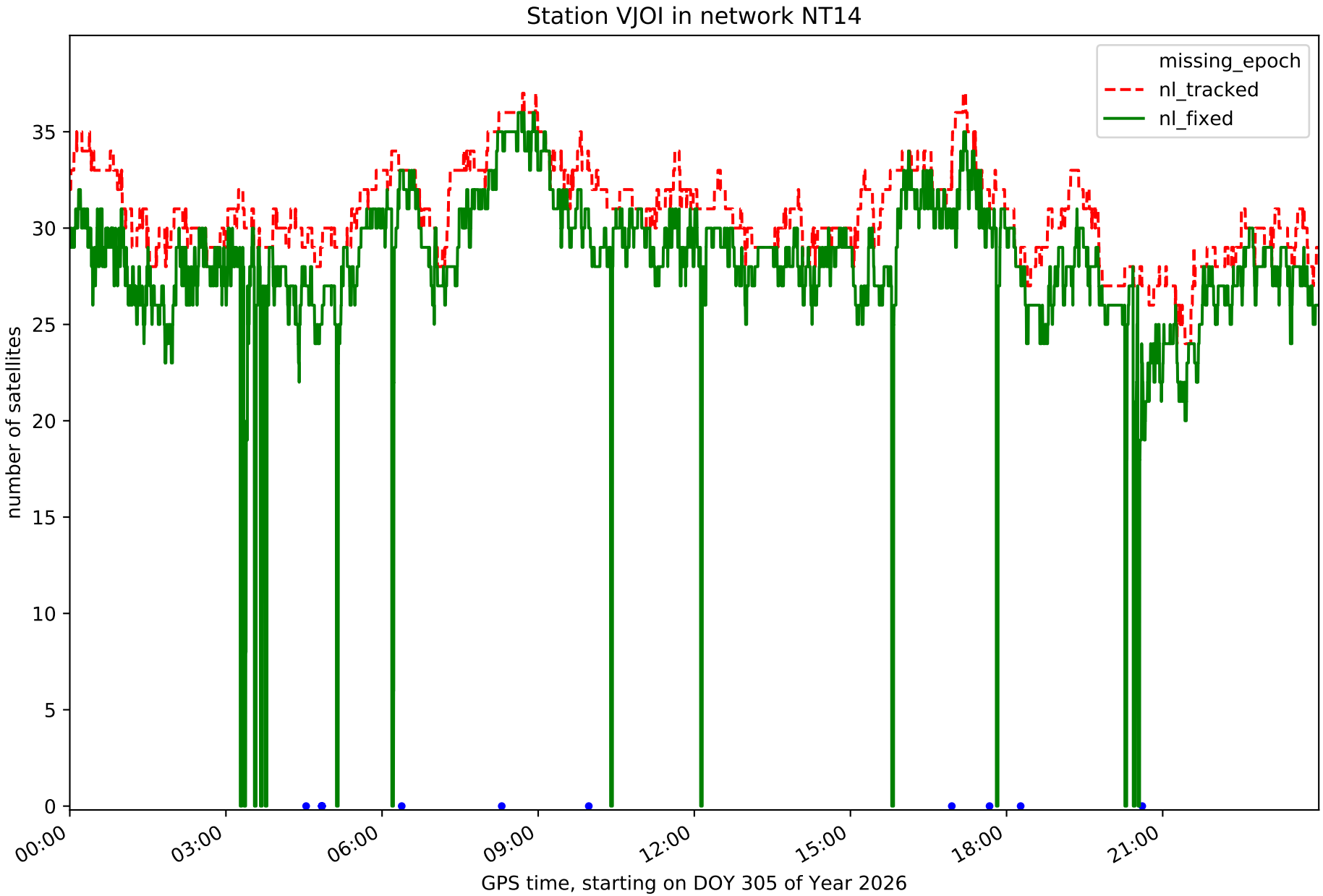

Station PENI in network NT14
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 305 of Year 2026

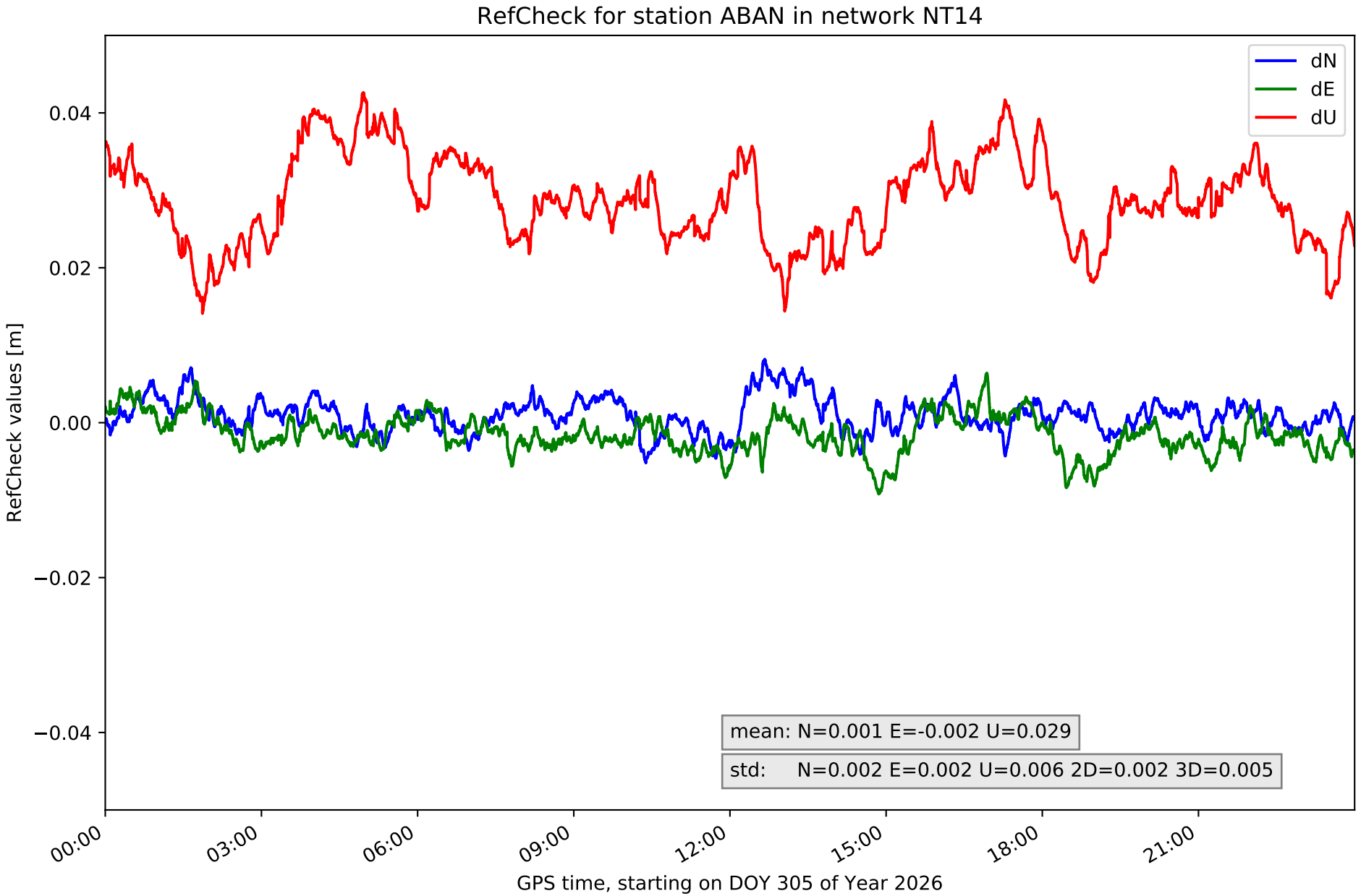

Station SARR in network NT14
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 305 of Year 2026

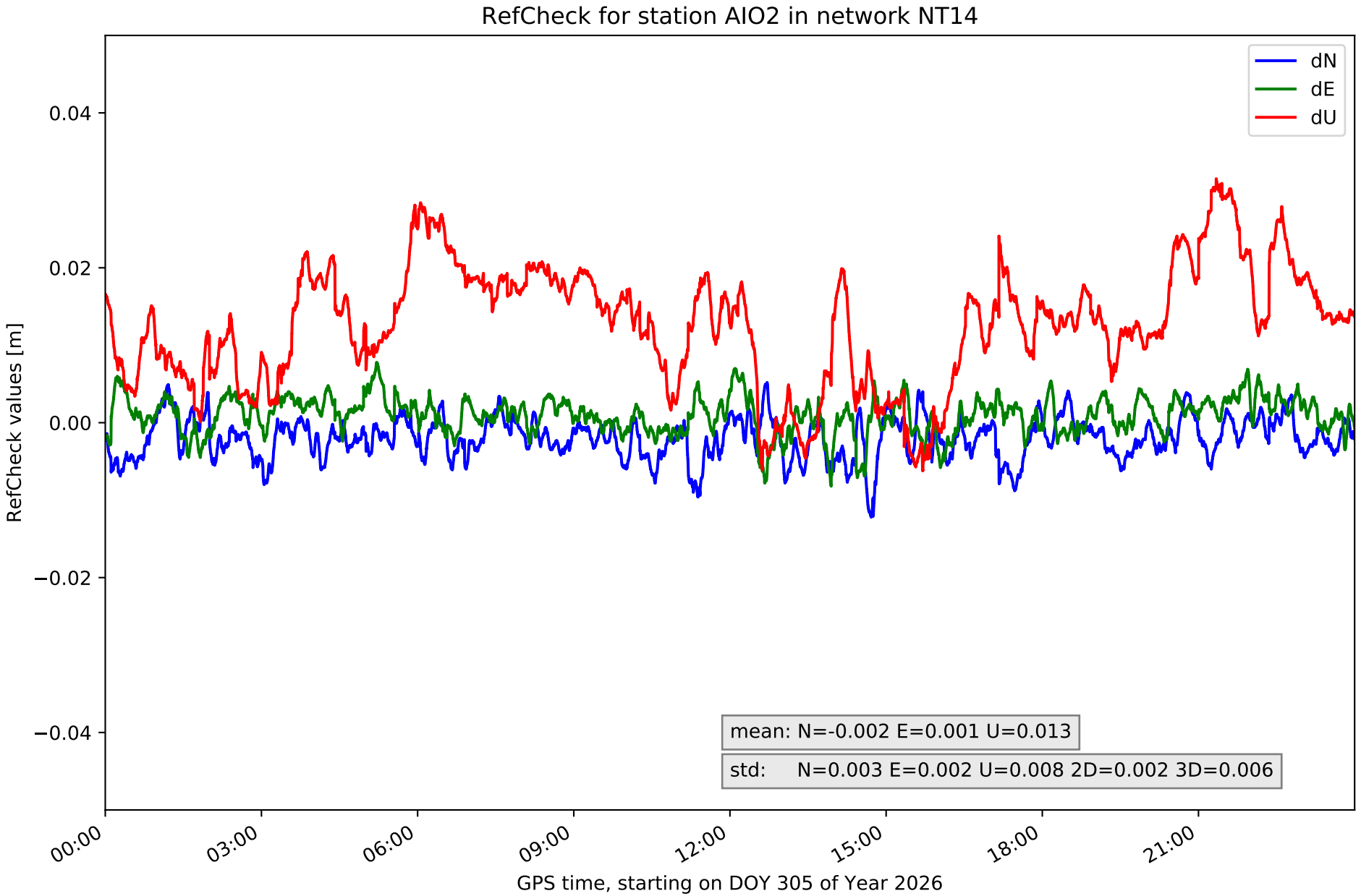

Station TOR0 in network NT14
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 305 of Year 2026

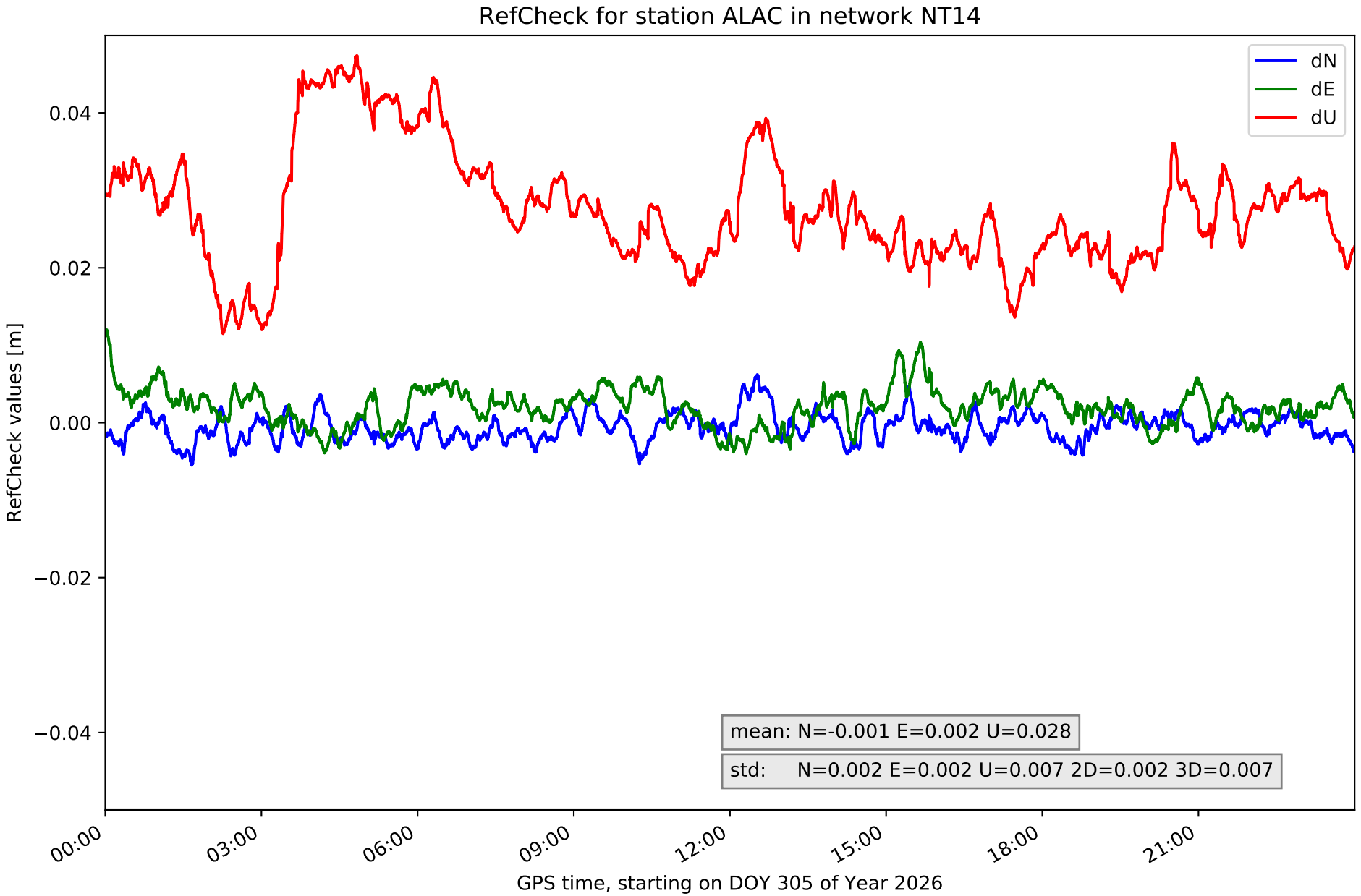

Station UTIE in network NT14
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 305 of Year 2026

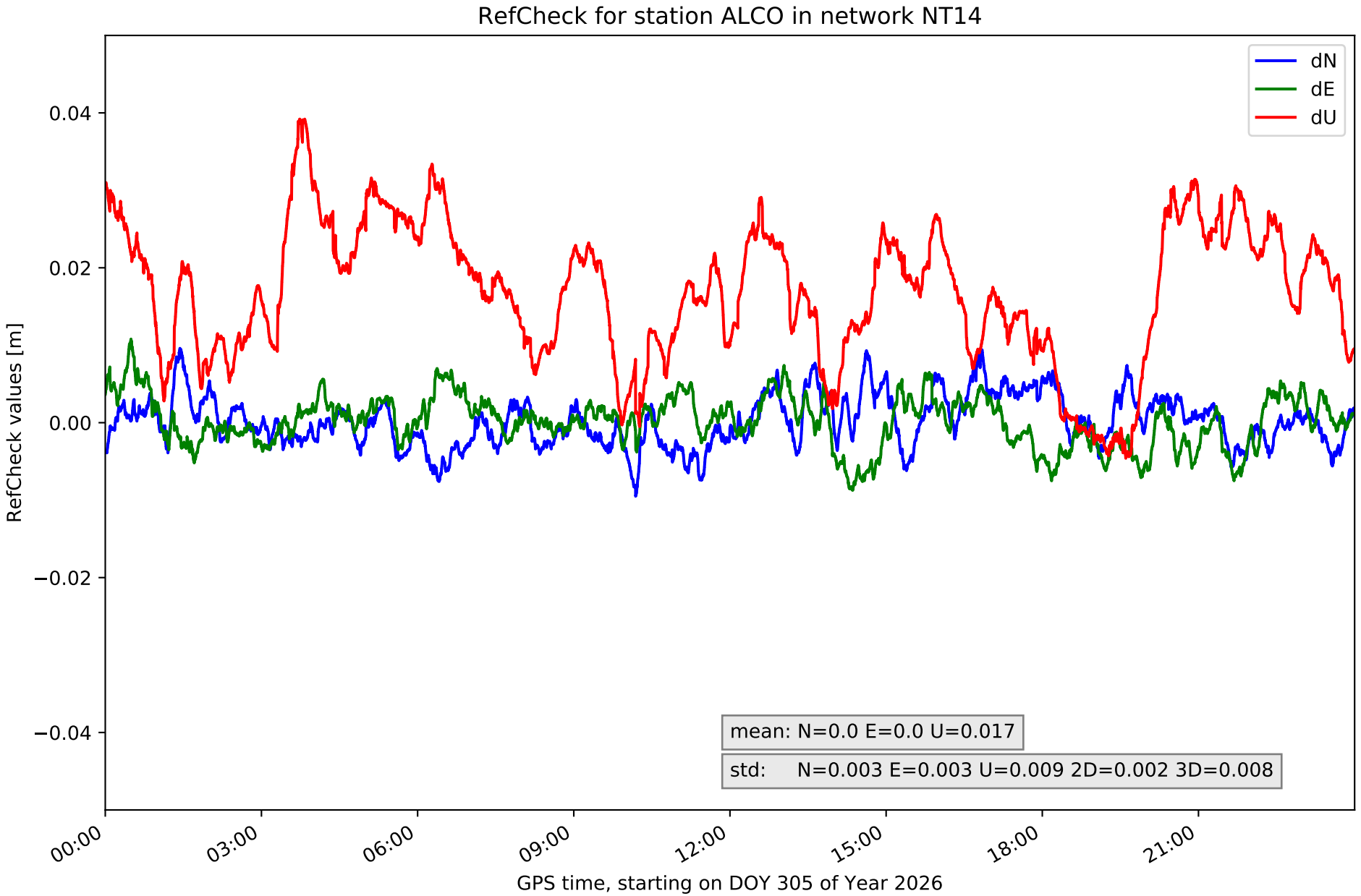

Station VALE in network NT14
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 305 of Year 2026

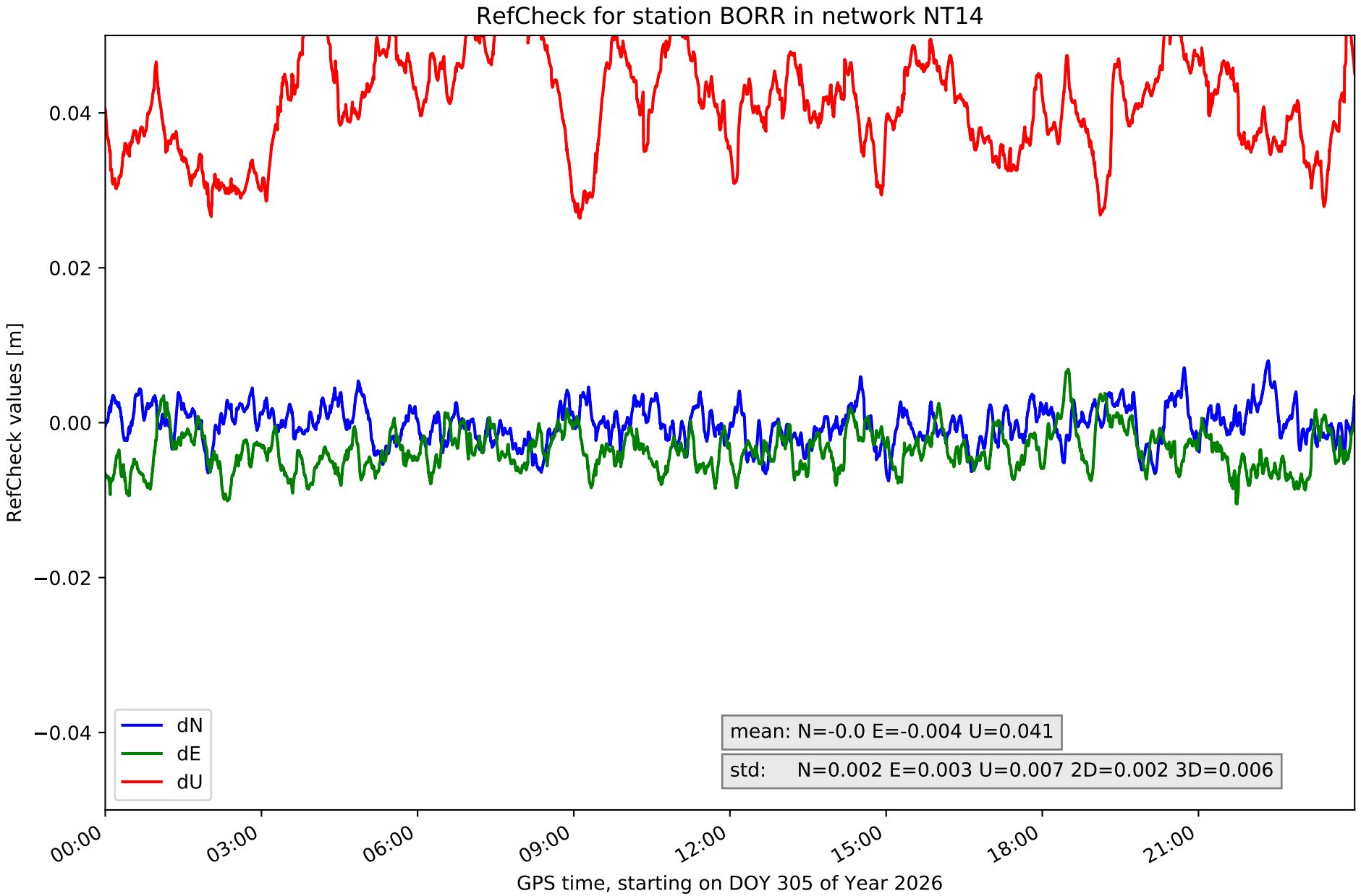

Station VJOI in network NT14
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 305 of Year 2026

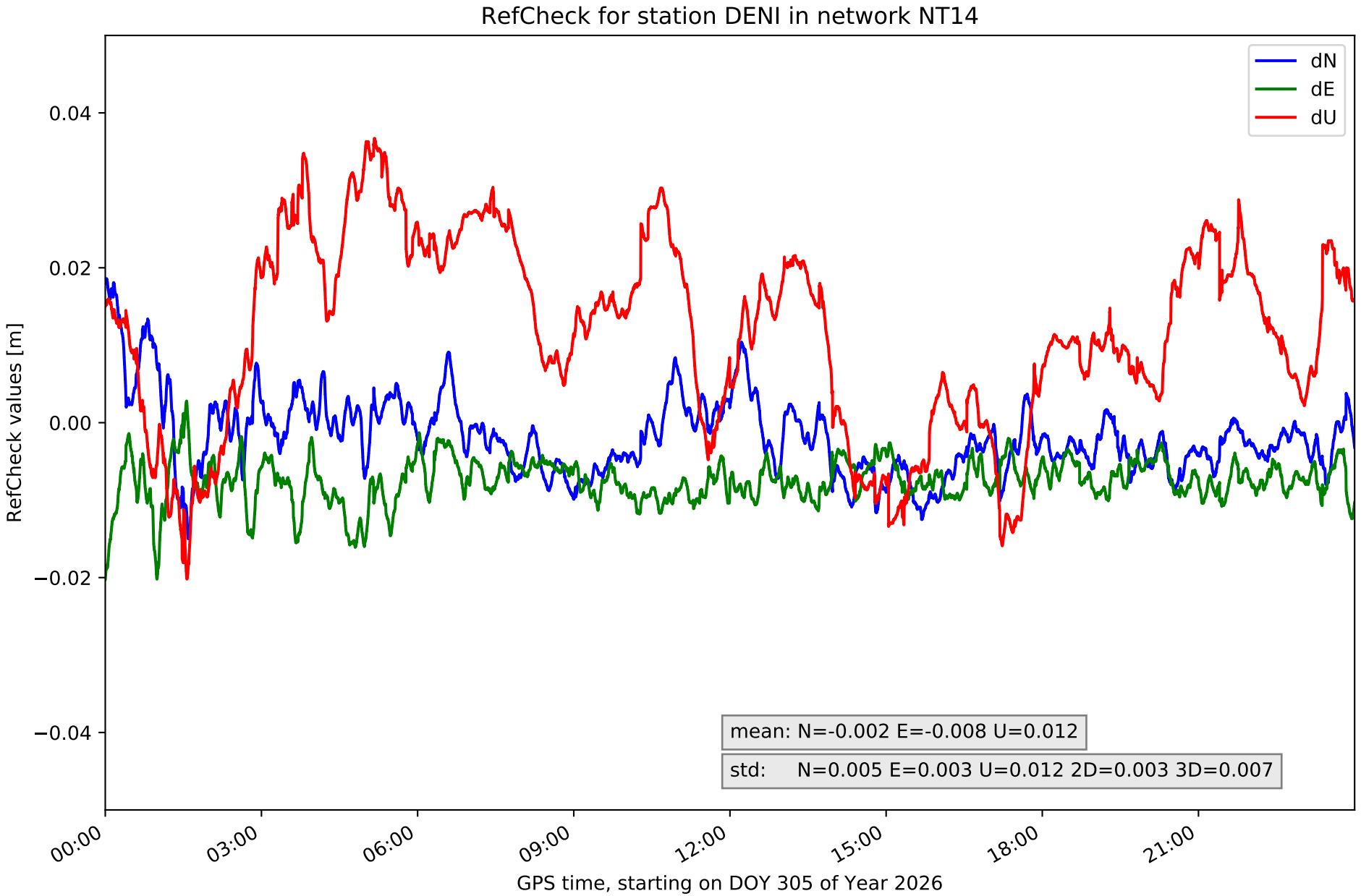

RefCheck for station ABAN in network NT14
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.001 E=-0.002 U=0.029
std: N=0.002 E=0.002 U=0.006 2D=0.002 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 305 of Year 2026

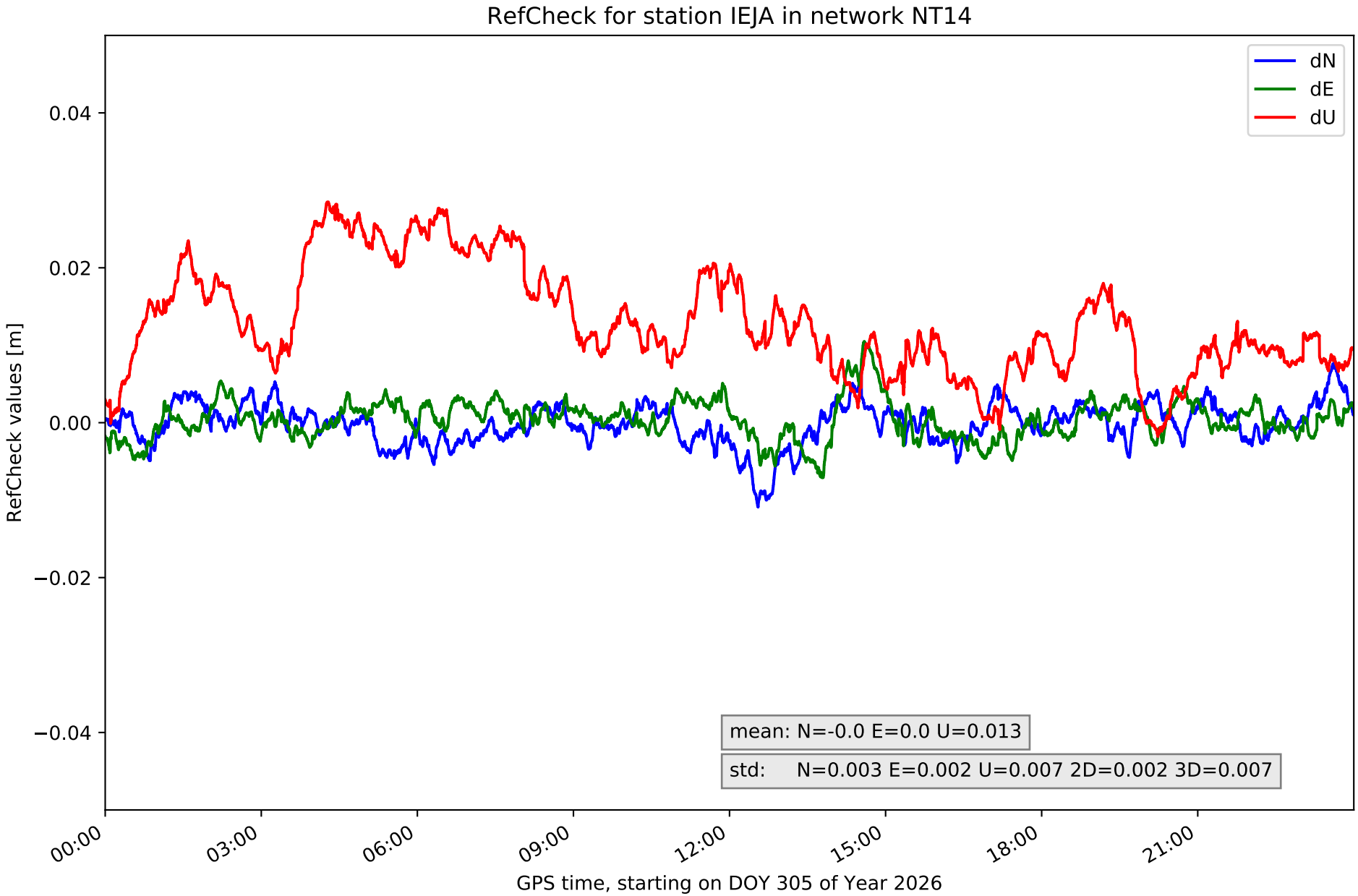

RefCheck for station AIO2 in network NT14
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.002 E=0.001 U=0.013
std: N=0.003 E=0.002 U=0.008 2D=0.002 3D=0.006
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 305 of Year 2026

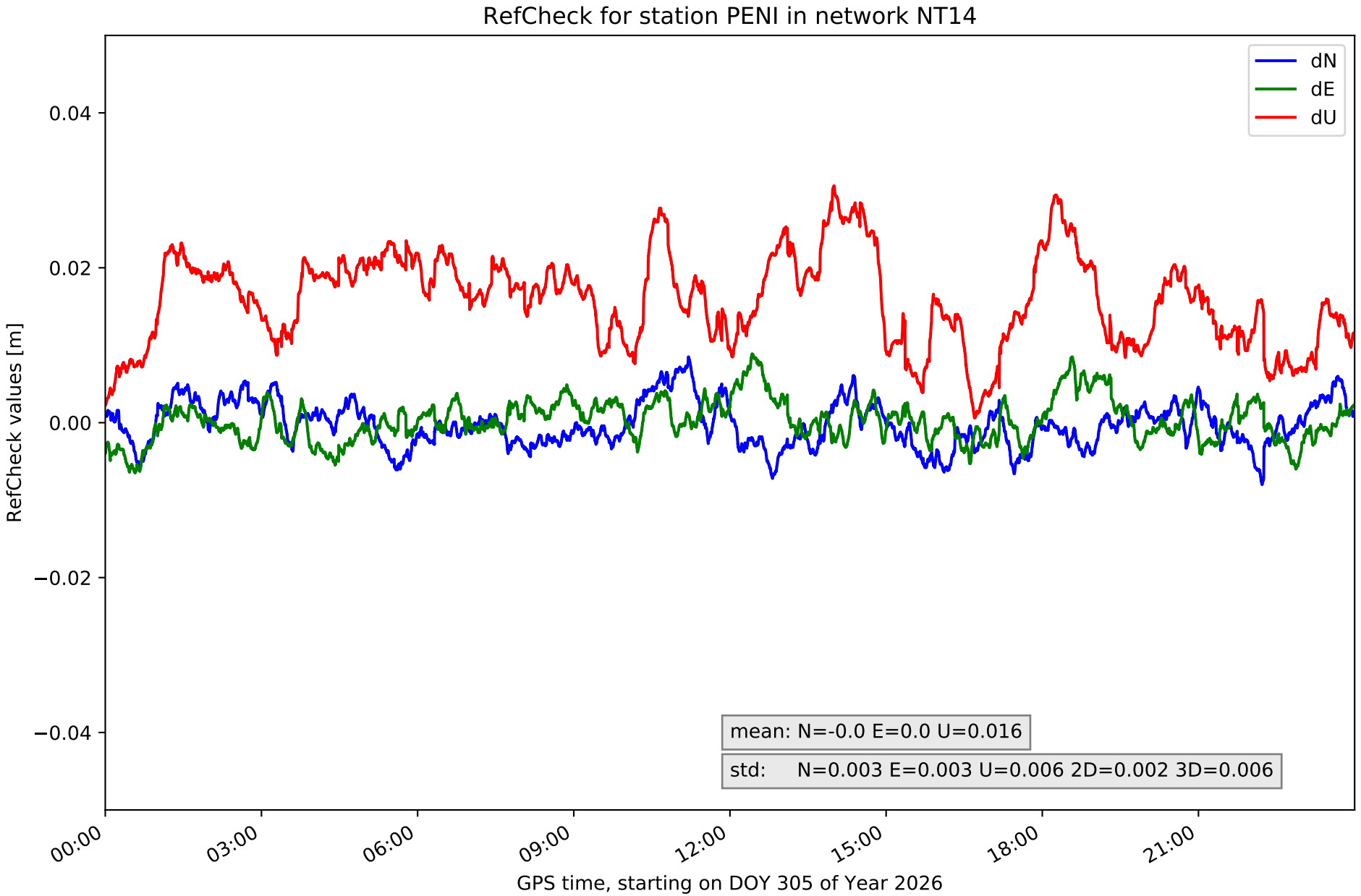

RefCheck for station ALAC in network NT14
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.001 E=0.002 U=0.028
std: N=0.002 E=0.002 U=0.007 2D=0.002 3D=0.007
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 305 of Year 2026

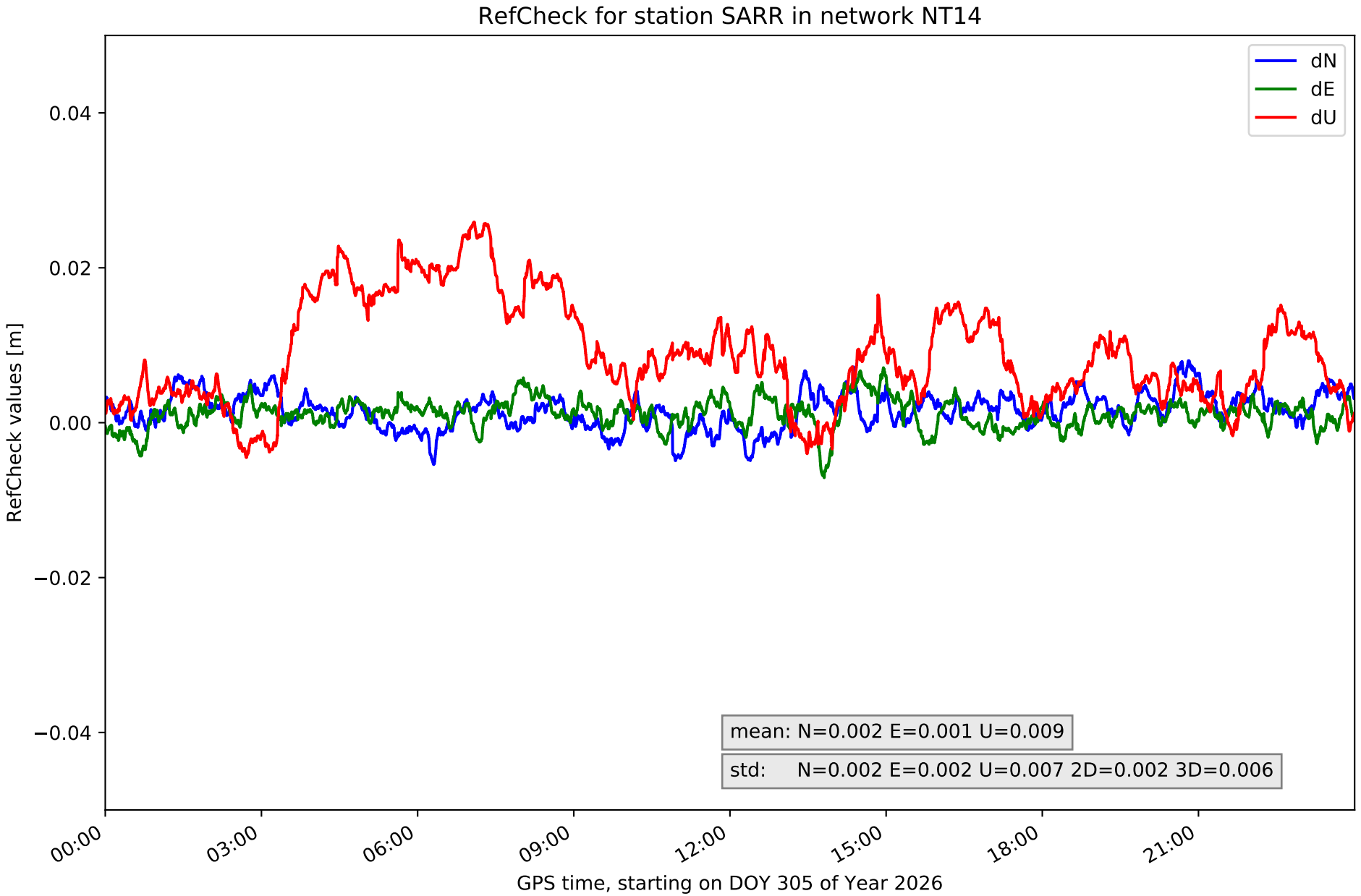

RefCheck for station ALCO in network NT14
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.0 E=0.0 U=0.017
std: N=0.003 E=0.003 U=0.009 2D=0.002 3D=0.008
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 305 of Year 2026

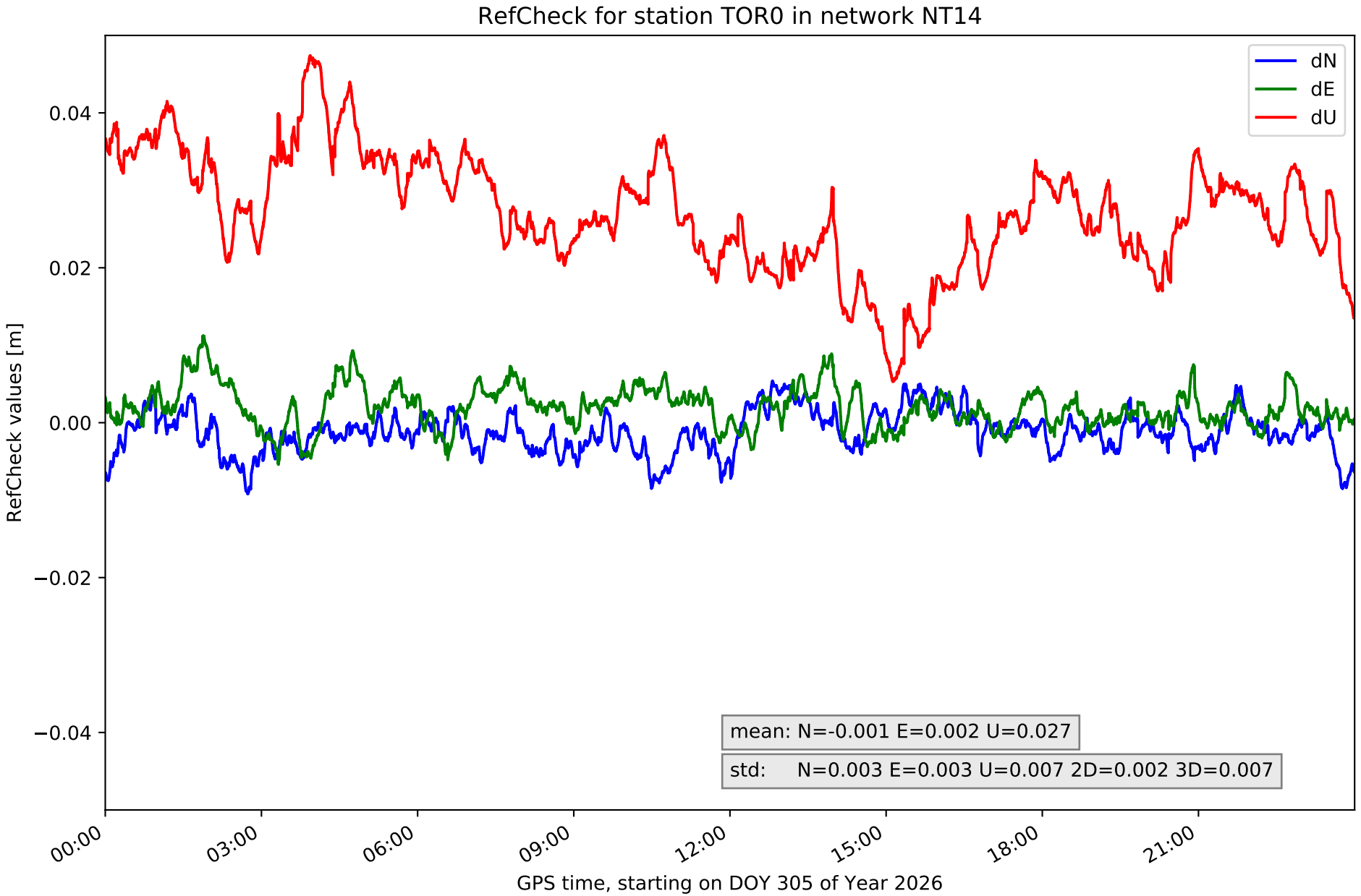

RefCheck for station BORR in network NT14
RefCheck values [m]
0.04
0.02
0.00
−0.02
−0.04
dN
dE
dU
mean: N=-0.0 E=-0.004 U=0.041
std: N=0.002 E=0.003 U=0.007 2D=0.002 3D=0.006
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 305 of Year 2026

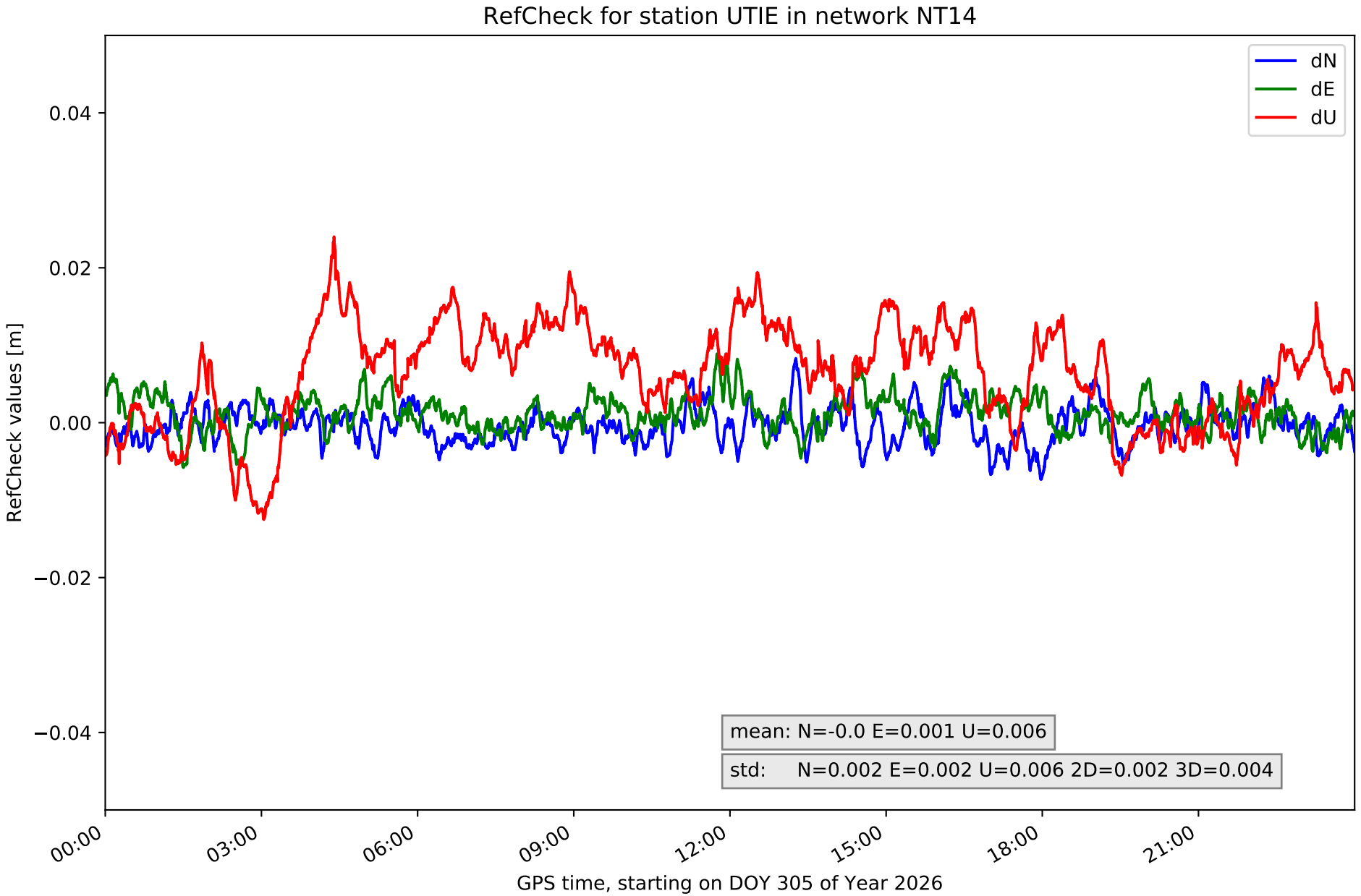

RefCheck for station DENI in network NT14
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.002 E=-0.008 U=0.012
std: N=0.005 E=0.003 U=0.012 2D=0.003 3D=0.007
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 305 of Year 2026

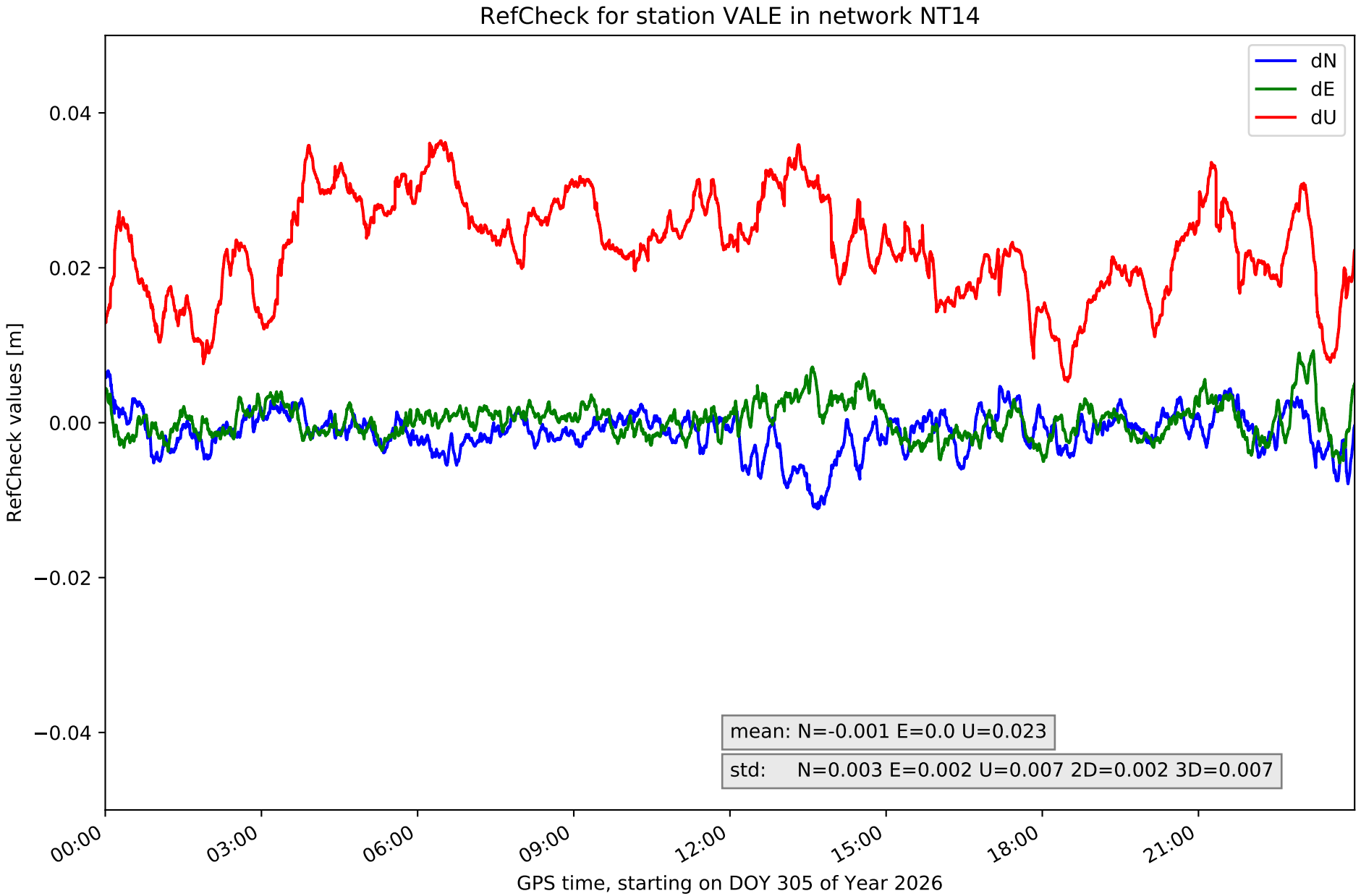

RefCheck for station IEJA in network NT14
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.0 E=0.0 U=0.013
std: N=0.003 E=0.002 U=0.007 2D=0.002 3D=0.007
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 305 of Year 2026

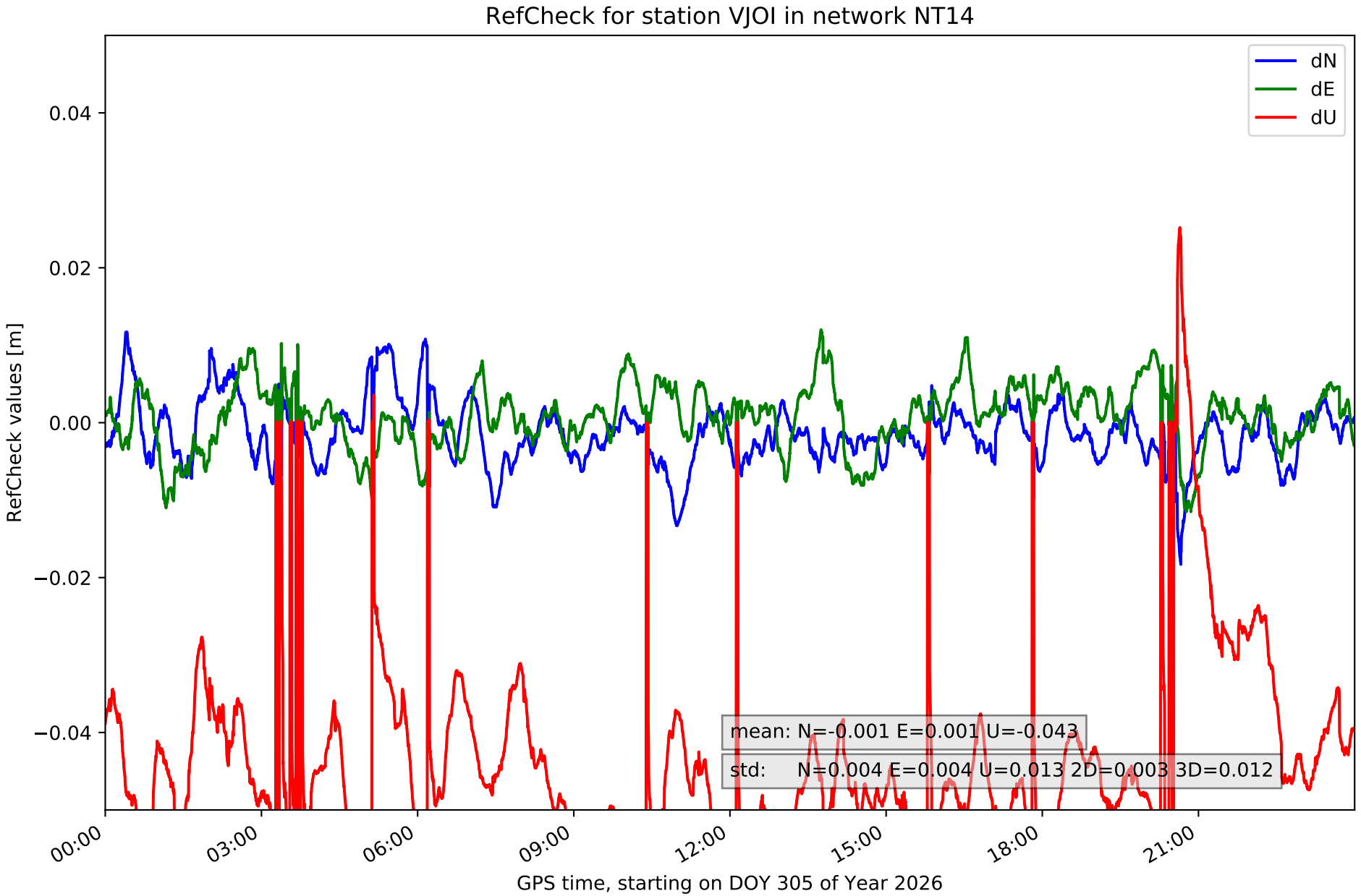

RefCheck for station PENI in network NT14
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.0 E=0.0 U=0.016
std: N=0.003 E=0.003 U=0.006 2D=0.002 3D=0.006
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 305 of Year 2026


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=0.002 E=0.001 U=0.009
std: N=0.002 E=0.002 U=0.007 2D=0.002 3D=0.006
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 305 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=-0.001 E=0.002 U=0.027
std: N=0.003 E=0.003 U=0.007 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 305 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=-0.0 E=0.001 U=0.006
std: N=0.002 E=0.002 U=0.006 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 305 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=-0.001 E=0.0 U=0.023
std: N=0.003 E=0.002 U=0.007 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 305 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=-0.001 E=0.001 U=-0.043
std: N=0.004 E=0.004 U=0.013 2D=0.003 3D=0.012
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 305 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	-0.005	0.008	0.002	-0.009	0.006	0.002	0.014	0.043	0.006	0.002	0.005	0	0.0	72345	96.0
AIO2	-0.012	0.005	0.003	-0.008	0.008	0.002	-0.006	0.032	0.008	0.002	0.006	503	0.7	12010	15.9
ALAC	-0.005	0.006	0.002	-0.004	**0.012**	0.002	0.011	0.047	0.007	0.002	0.007	388	0.5	67675	89.8
ALCO	-0.009	0.01	0.003	-0.009	0.011	0.003	-0.005	0.039	0.009	0.002	0.008	603	0.8	31616	42.0
BORR	-0.007	0.008	0.002	-0.011	0.007	0.003	0.026	**0.057**	0.007	0.002	0.006	317	0.4	**75356**	**100.0**
DENI	-0.015	**0.019**	**0.005**	**-0.02**	0.003	0.003	-0.02	0.037	0.012	**0.003**	0.007	**25540**	**33.9**	28386	37.7
IEJA	-0.011	0.008	0.003	-0.007	0.011	0.002	-0.002	0.029	0.007	0.002	0.007	929	1.2	15002	19.9
PENI	-0.008	0.009	0.003	-0.006	0.009	0.003	0.001	0.031	0.006	0.002	0.006	0	0.0	20368	27.0
SARR	-0.005	0.008	0.002	-0.007	0.007	0.002	-0.004	0.026	0.007	0.002	0.006	0	0.0	5499	7.3
TOR0	-0.009	0.005	0.003	-0.005	0.011	0.003	0.005	0.047	0.007	0.002	0.007	430	0.6	64071	85.0
UTIE	-0.007	0.008	0.002	-0.006	0.009	0.002	-0.013	0.024	0.006	0.002	0.004	0	0.0	252	0.3
VALE	-0.011	0.007	0.003	-0.005	0.009	0.002	0.005	0.036	0.007	0.002	0.007	775	1.0	51430	68.2
VJOI	**-0.018**	0.012	0.004	-0.011	**0.012**	**0.004**	**-0.061**	0.025	**0.013**	**0.003**	**0.012**	4320	5.7	71846	95.3
Mean	**-0.009**	**0.009**	**0.003**	**-0.008**	**0.009**	**0.003**	**-0.004**	**0.036**	**0.008**	**0.002**	**0.007**	**2600.4**	**3.4**	**39681.2**	**52.6**
Min/Max	**-0.018**	**0.019**	**0.005**	**-0.02**	**0.012**	**0.004**	**-0.061**	**0.057**	**0.013**	**0.003**	**0.012**	**25540**	**33.9**	**75356**	**100.0**

fixing statistic for network NT14

fixing percentage of	all GNSS	G	R	E	C
using threshold 0.3	95.1	95.3	94.1	96.3	94.1
considering satellites with dual-frequency fixed	93.6	93.8	93.0	95.1	92.1
considering all signals separately	93.5	93.9	93.0	95.2	90.2