summary for network NET8

timeperiod chosen: from 2026-11-10-00:00:00 until 2026-11-10-23:59:59

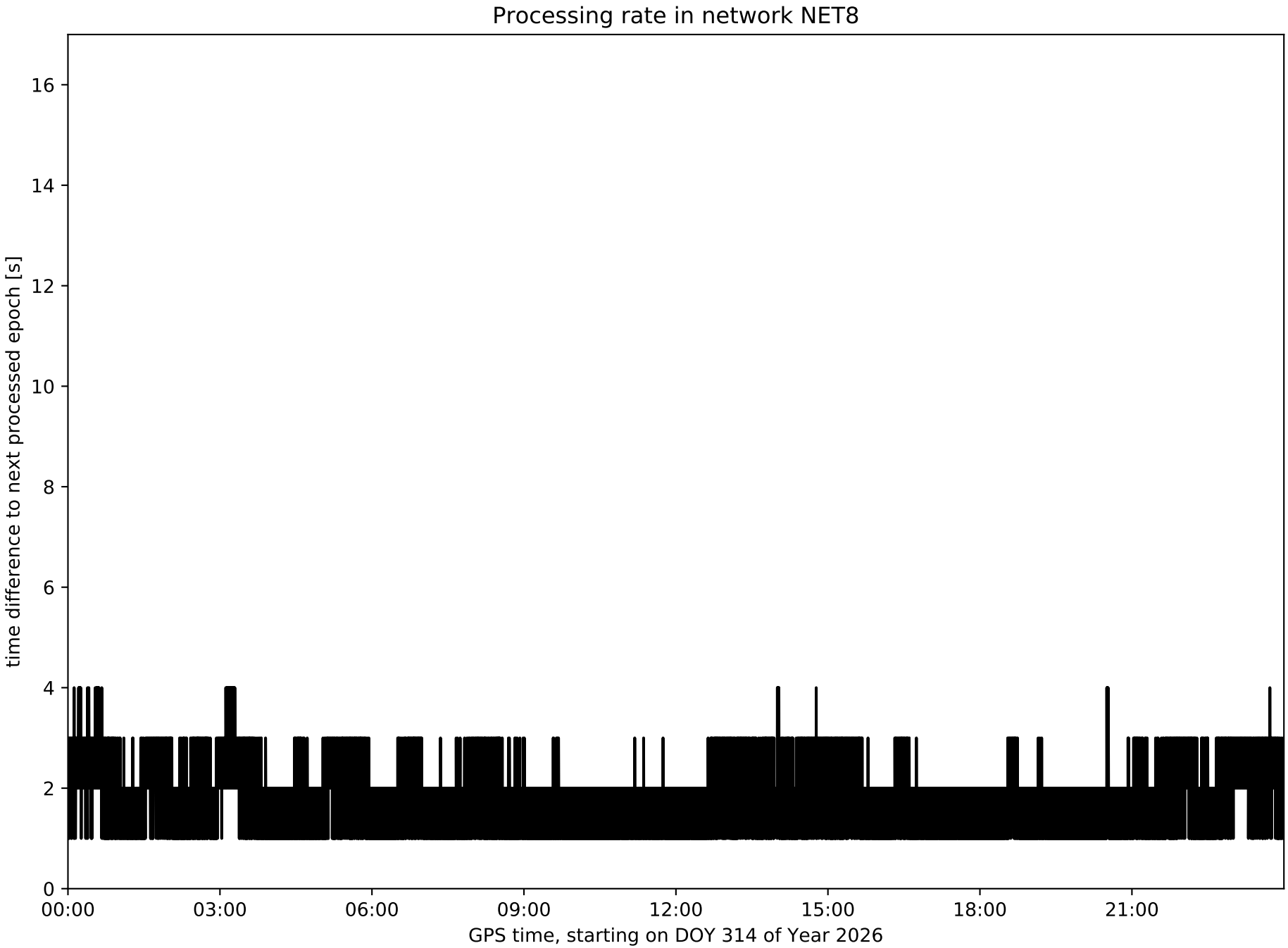
average update rate (durations larger than 15 seconds considered as observation gap): 1.5 seconds

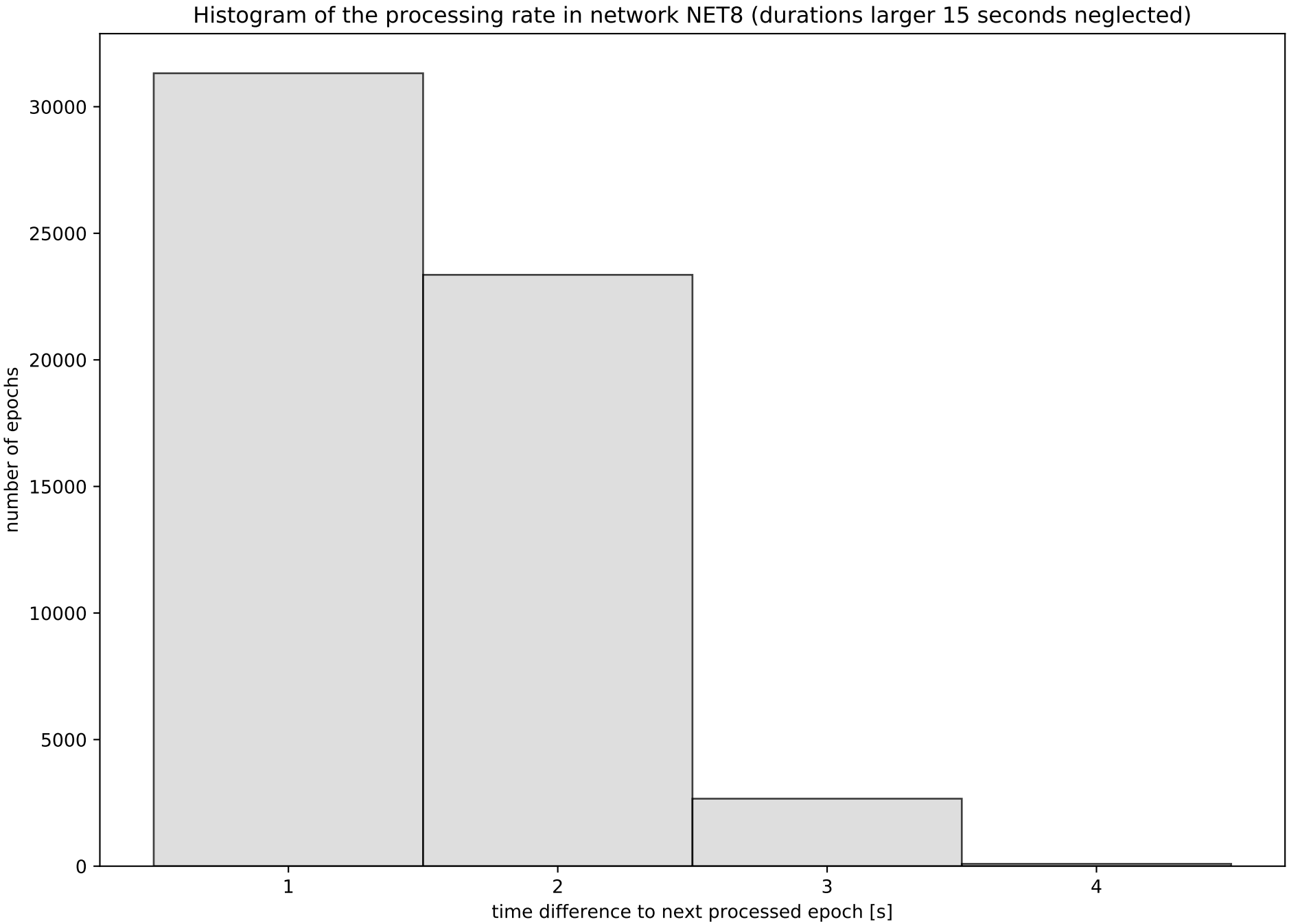
average fixing percentage with threshold set to 0.3: 93.0 percent

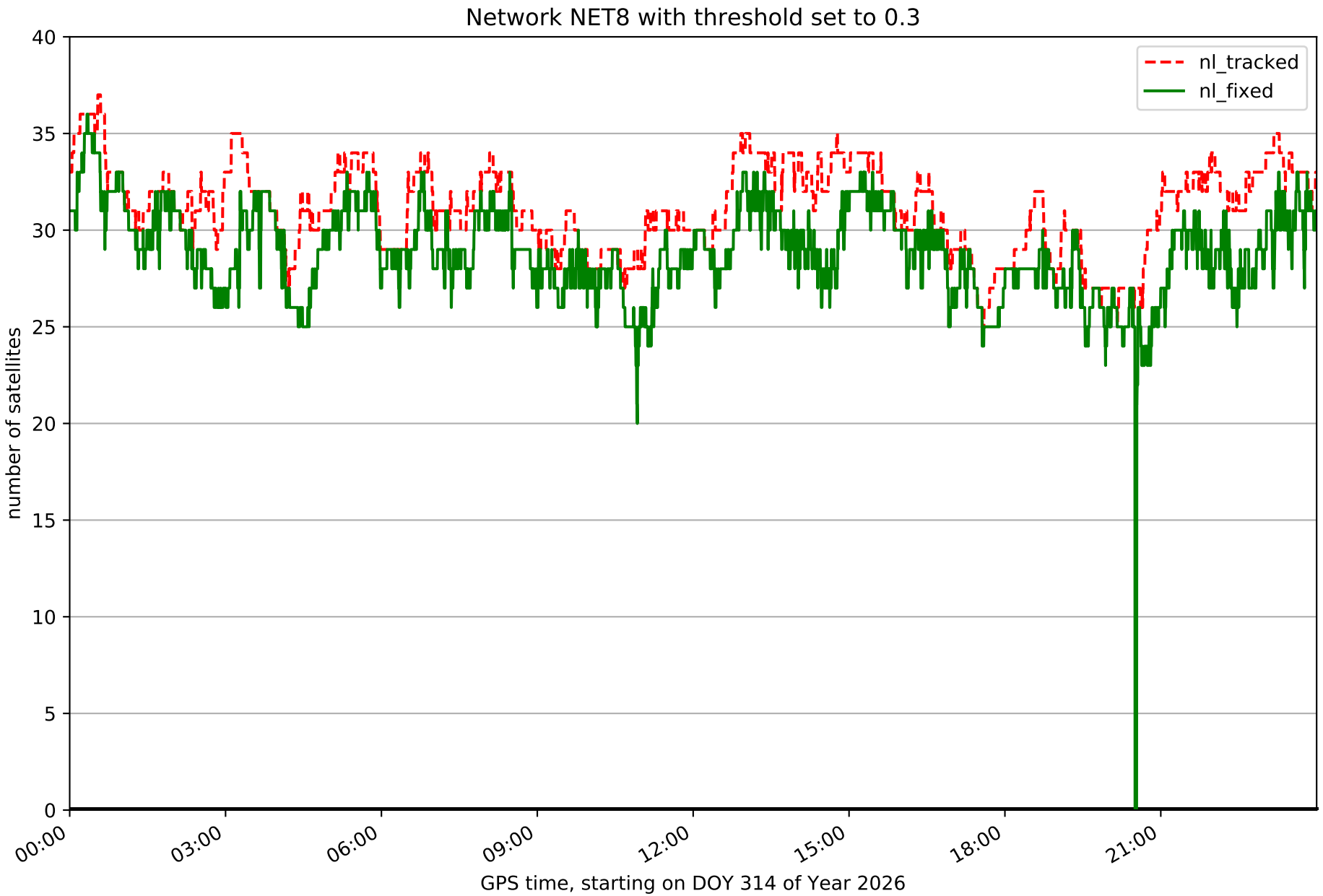
stations available: 16 of 16

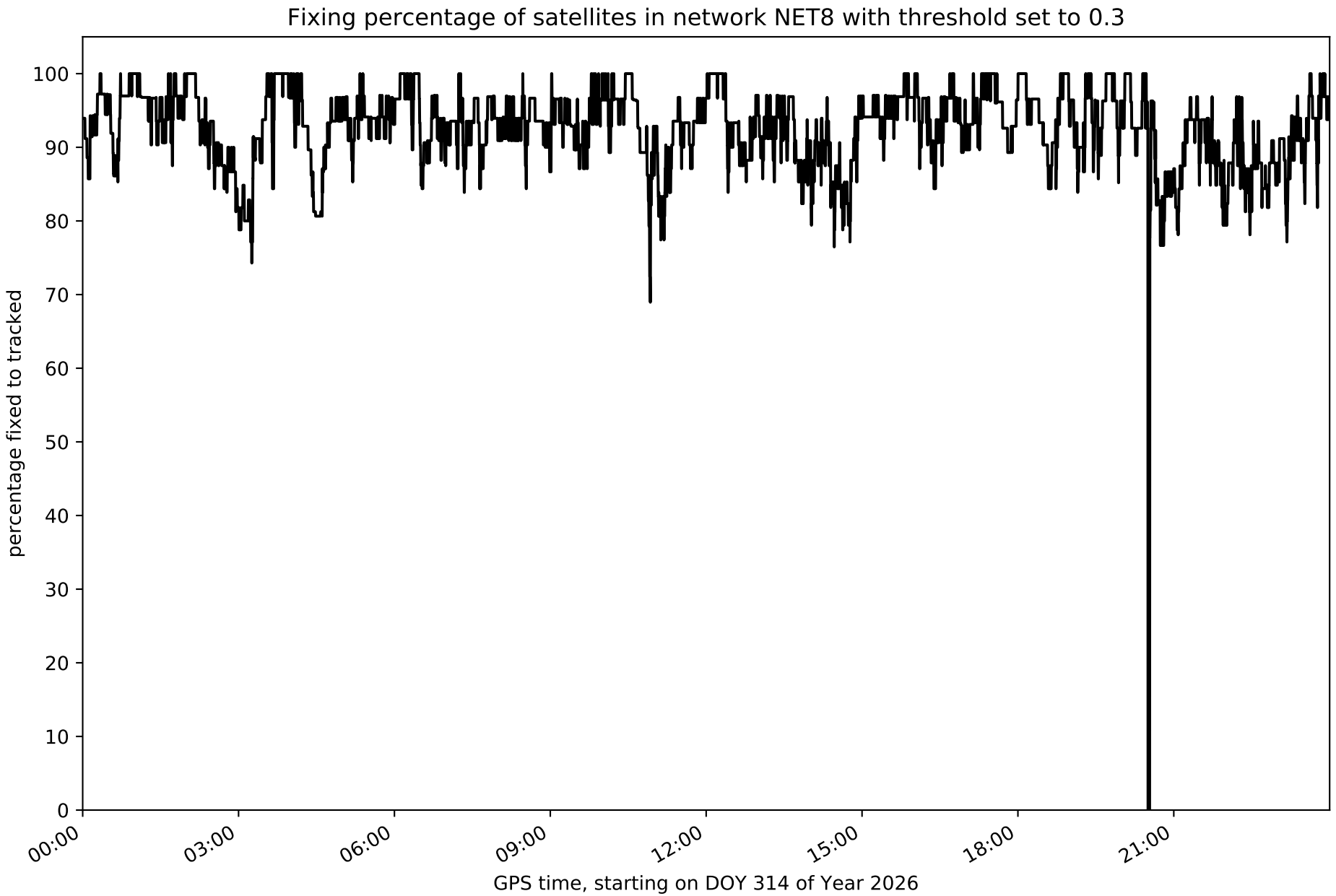
station information:

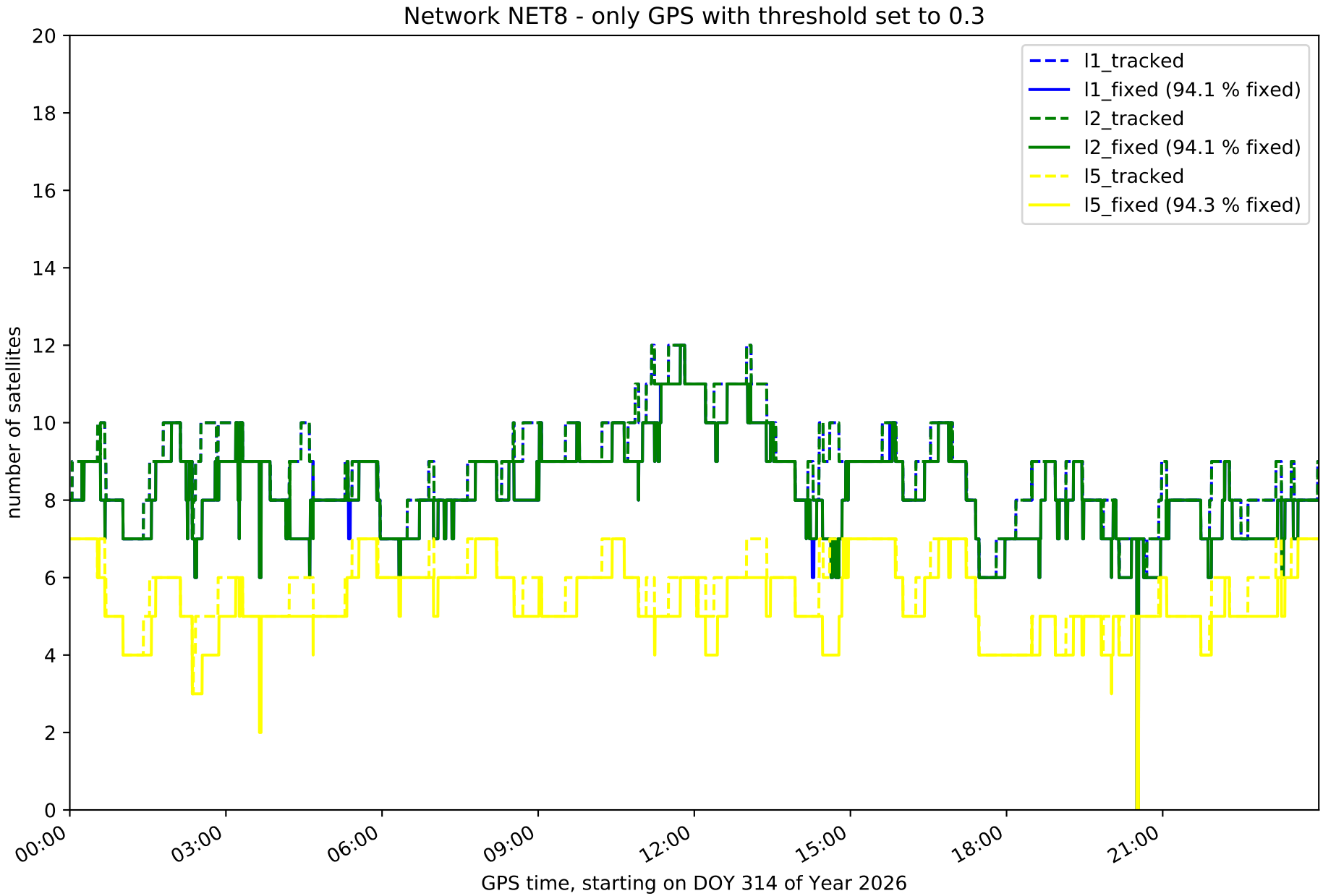
station ALDA:	antenna: GPPNULLANTENNA	NONE	receiver: LEICA GR30	height: 881.795
station ALSA:	antenna: GPPNULLANTENNA	NONE	receiver: LEICA GR50	height: 584.188
station AMUR:	antenna: GPPNULLANTENNA	NONE	receiver: LEICA GR30	height: 299.242
station ELGE:	antenna: GPPNULLANTENNA	NONE	receiver: LEICA GR30	height: 535.724
station ESTE:	antenna: GPPNULLANTENNA	NONE	receiver: LEICA GR50	height: 523.475
station HOND:	antenna: LEIAR20	LEIM	receiver: LEICA GR50	height: 166.322
station ISPS:	antenna: LEIAR20	LEIM	receiver: LEICA GR50	height: 265.494
station KAST:	antenna: GPPNULLANTENNA	NONE	receiver: LEICA GR30	height: 321.663
station LEIT:	antenna: GPPNULLANTENNA	NONE	receiver: LEICA GR50	height: 530.061
station MIBR:	antenna: LEIAR25	LEIT	receiver: TRIMBLE NETR9	height: 526.687
station ORON:	antenna: GPPNULLANTENNA	NONE	receiver: LEICA GR50	height: 204.83
station PASA:	antenna: GPPNULLANTENNA	NONE	receiver: LEICA GR30	height: 67.364
station SOPU:	antenna: GPPNULLANTENNA	NONE	receiver: LEICA GR30	height: 168.97
station TAFA:	antenna: GPPNULLANTENNA	NONE	receiver: LEICA GR50	height: 473.843
station UPNA:	antenna: GPPNULLANTENNA	NONE	receiver: LEICA GR50	height: 500.918
station VITO:	antenna: GPPNULLANTENNA	NONE	receiver: LEICA GR30	height: 600.458

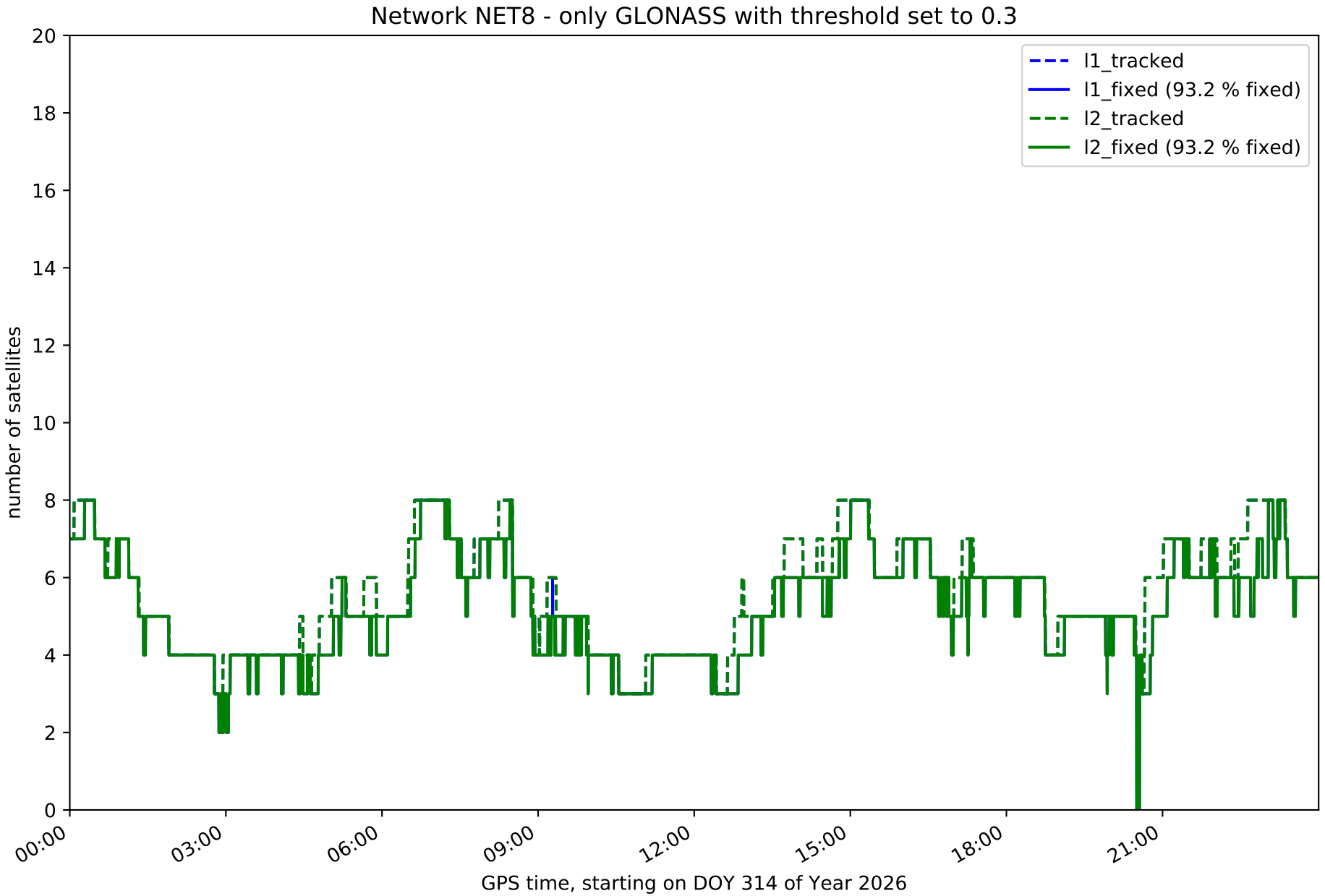

Processing rate in network NET8
time difference to next processed epoch [s]
0
2
4
6
8
10
12
14
16
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

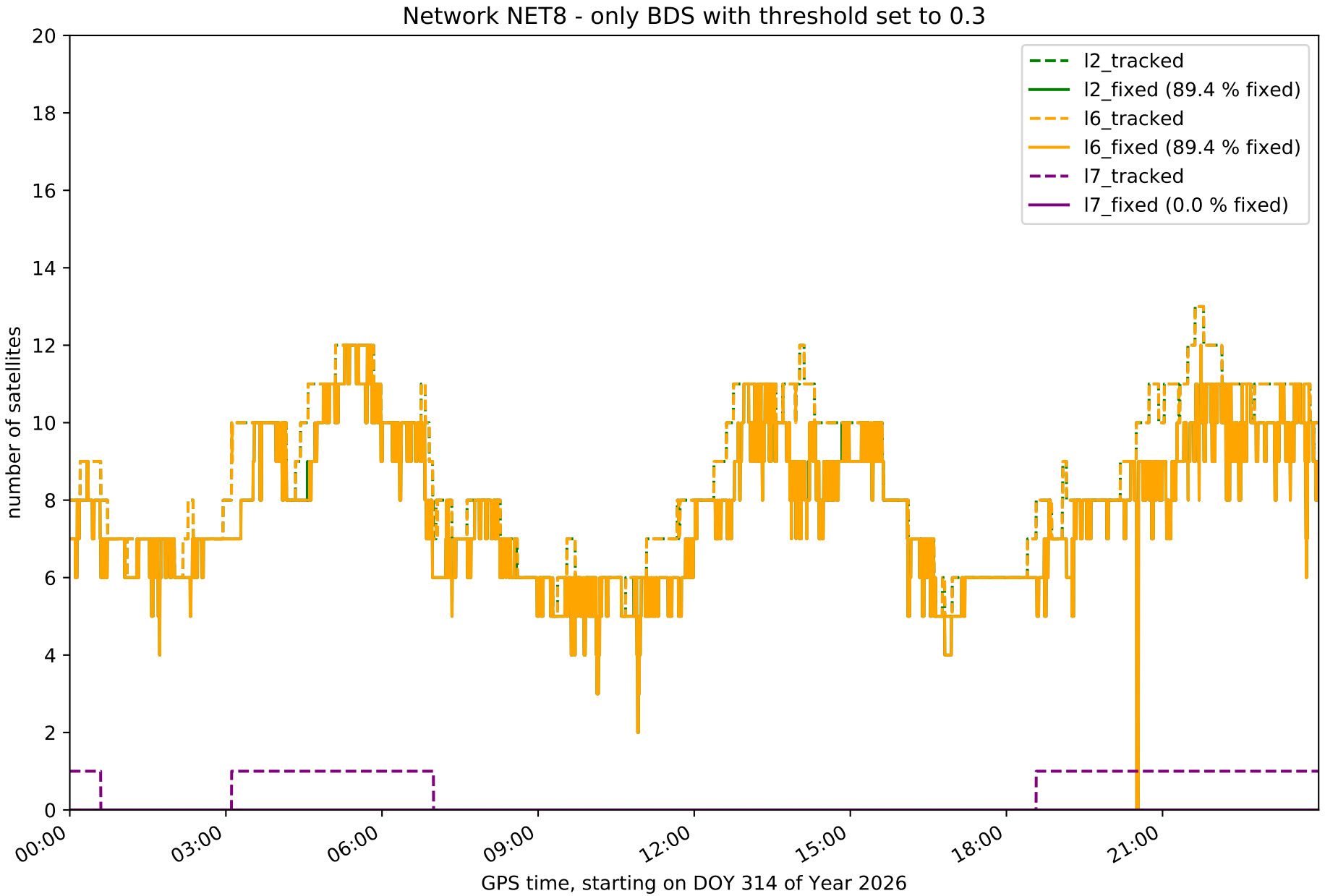

Histogram of the processing rate in network NET8 (durations larger 15 seconds neglected)
number of epochs
0
5000
10000
15000
20000
25000
30000
1
2
3
4
time difference to next processed epoch [s]

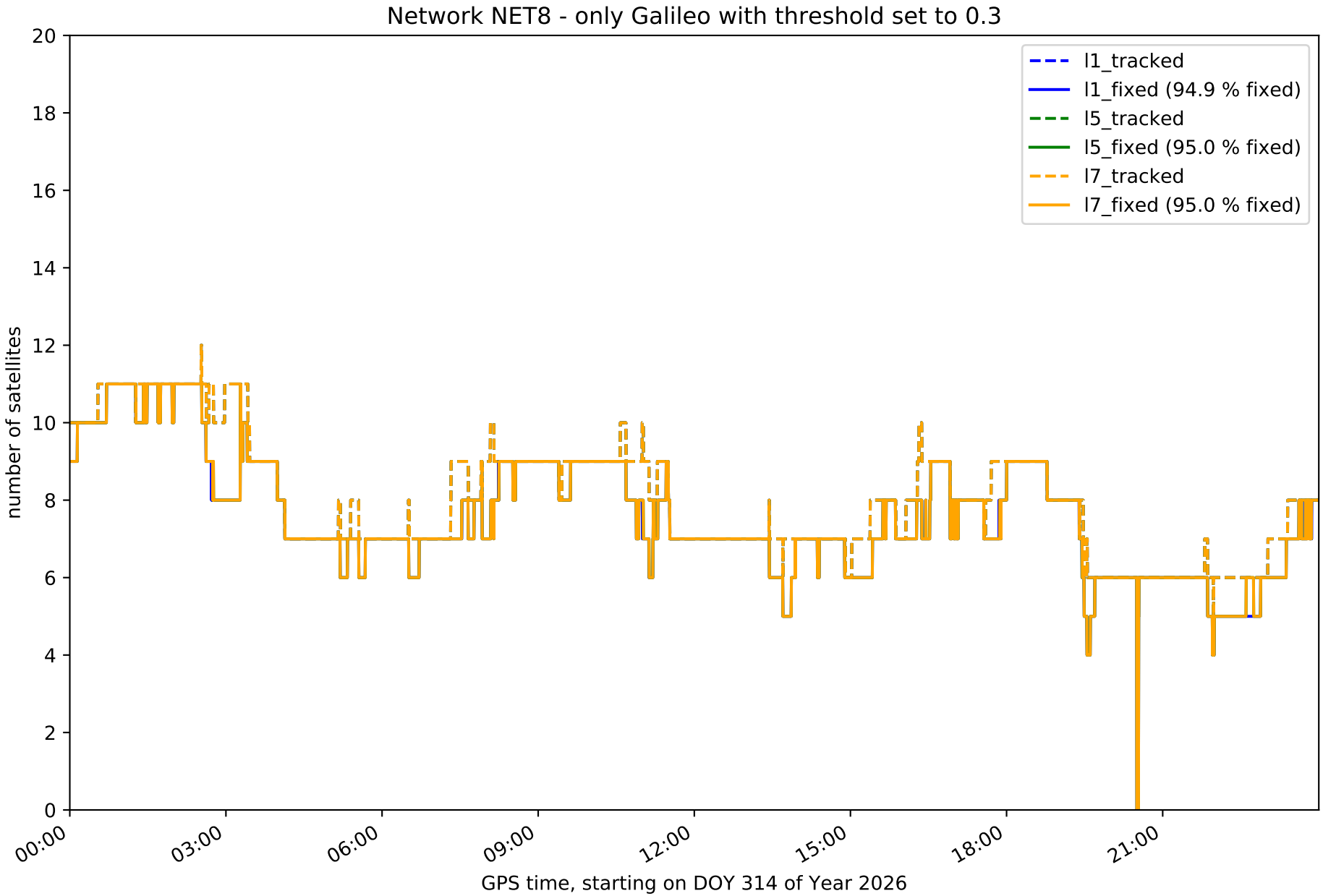

Network NET8 with threshold set to 0.3
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
40
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

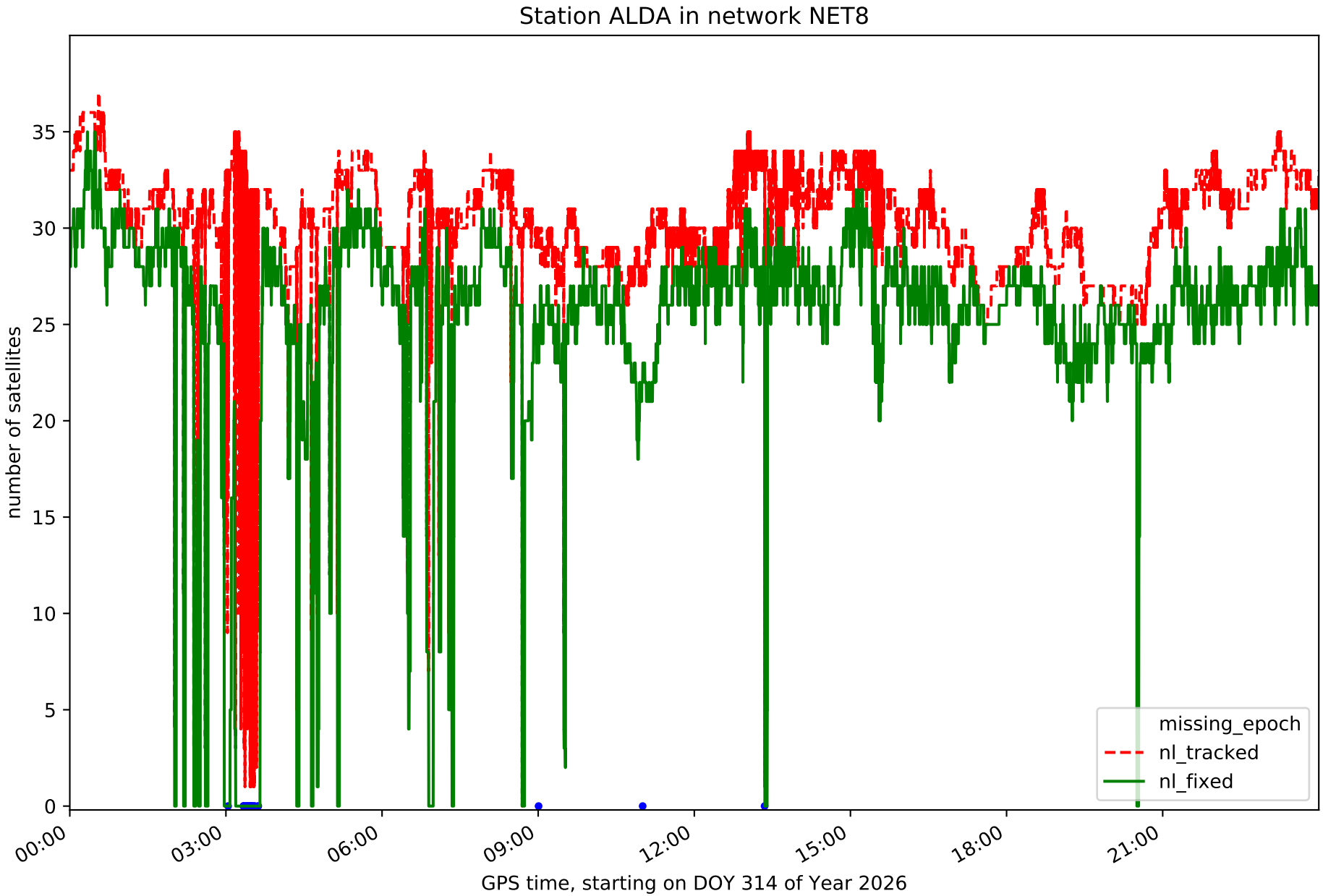

Fixing percentage of satellites in network NET8 with threshold set to 0.3
percentage fixed to tracked
100
90
80
70
60
50
40
30
20
10
0
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

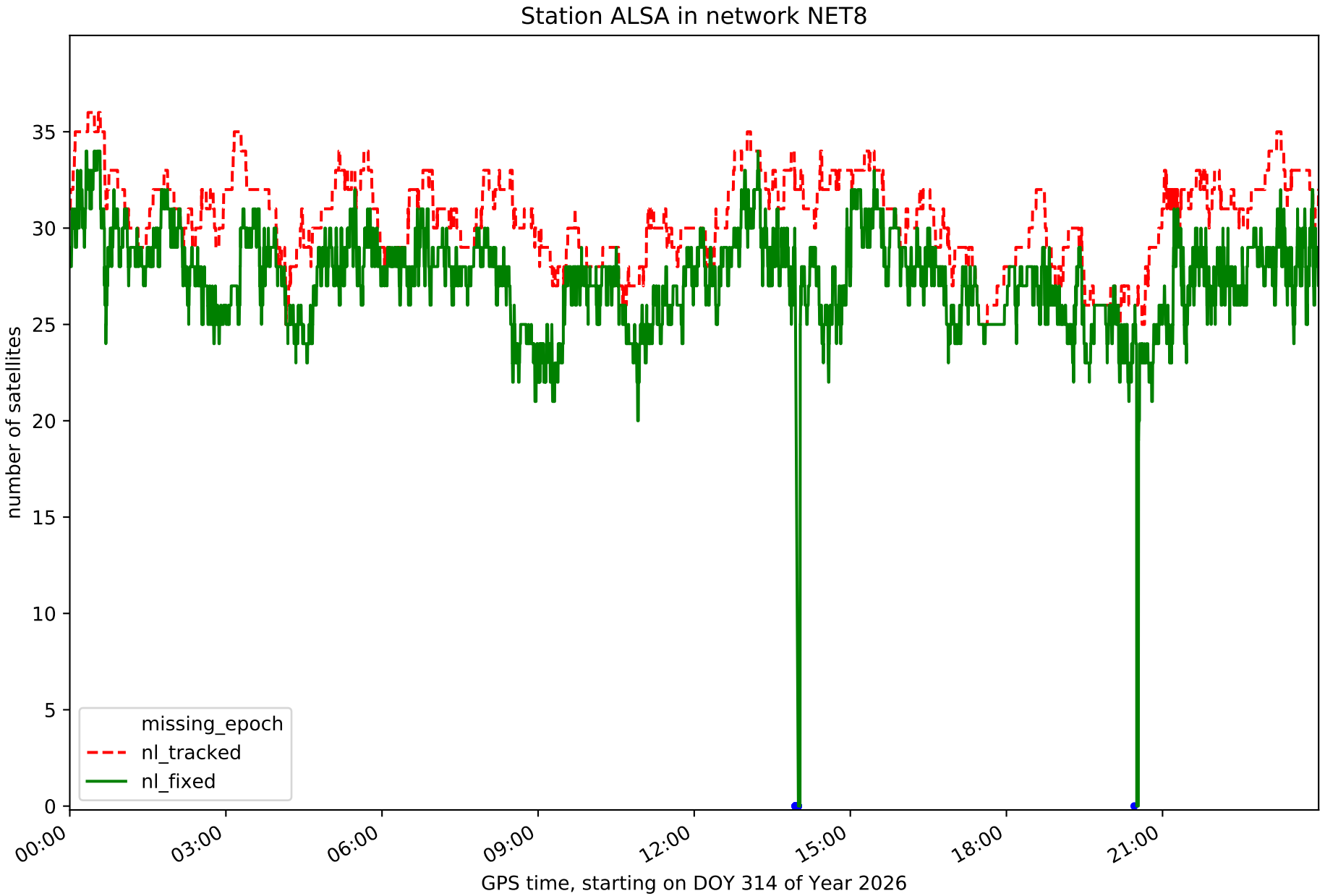

Network NET8 - only GPS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 314 of Year 2026
l1_tracked
l1_fixed (94.1 % fixed)
l2_tracked
l2_fixed (94.1 % fixed)
l5_tracked
l5_fixed (94.3 % fixed)
0
2
4
6
8
10
12
14
16
18
20
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00

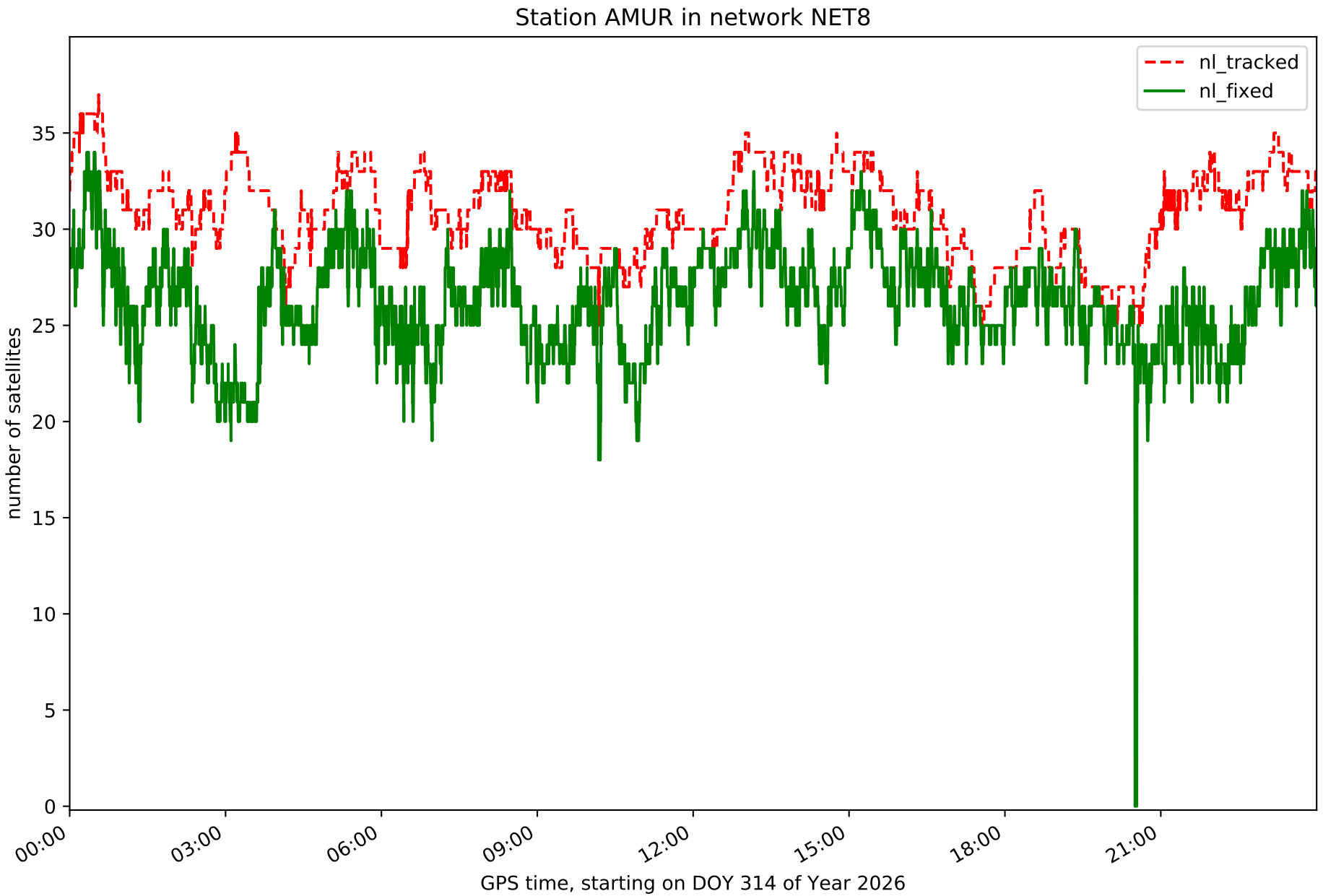

Network NET8 - only GLONASS with threshold set to 0.3
l1_tracked
l1_fixed (93.2 % fixed)
l2_tracked
l2_fixed (93.2 % fixed)
number of satellites
0
2
4
6
8
10
12
14
16
18
20
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

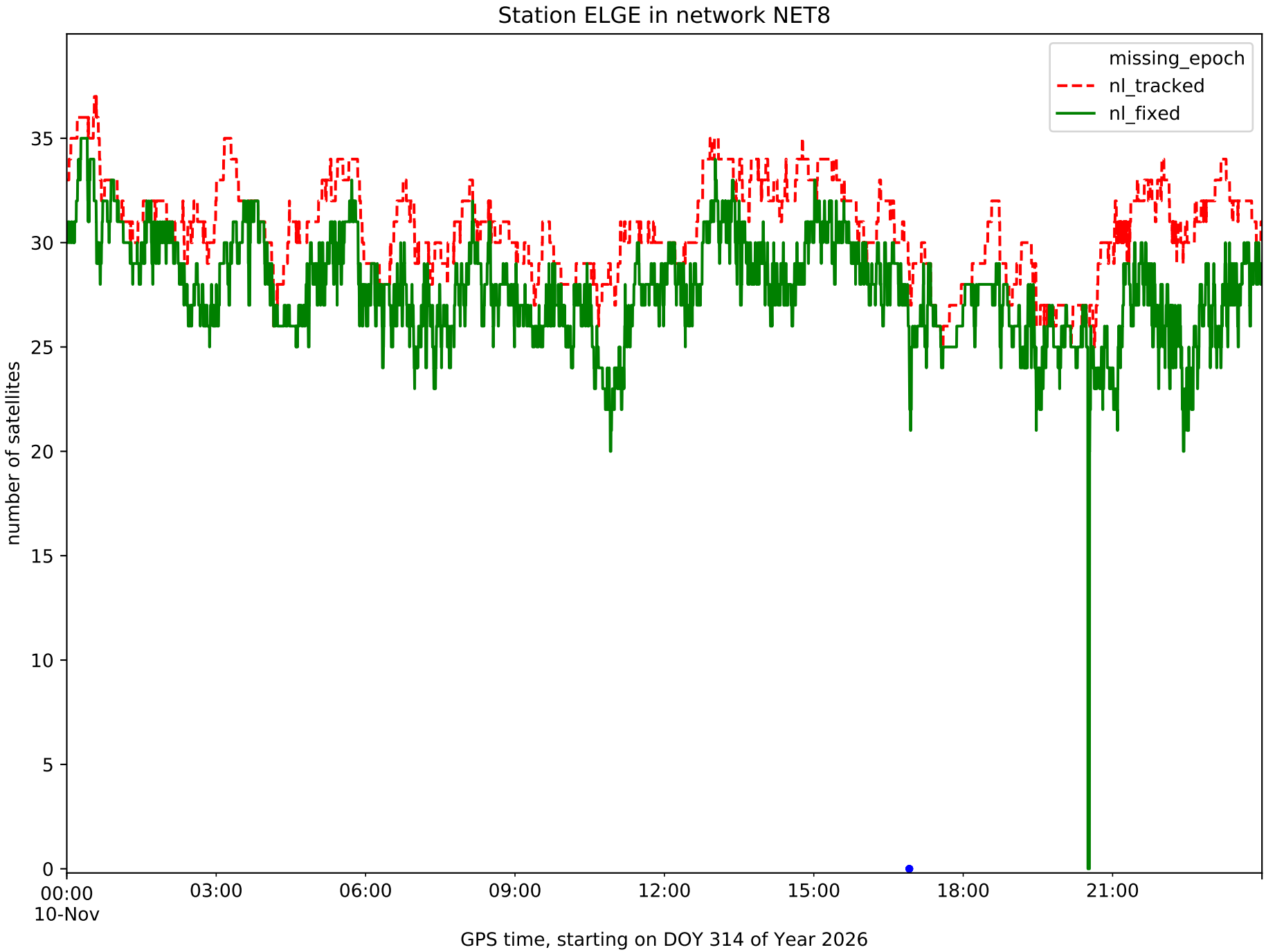

Network NET8 - only BDS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 314 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
I2_tracked
I2_fixed (89.4 % fixed)
I6_tracked
I6_fixed (89.4 % fixed)
I7_tracked
I7_fixed (0.0 % fixed)

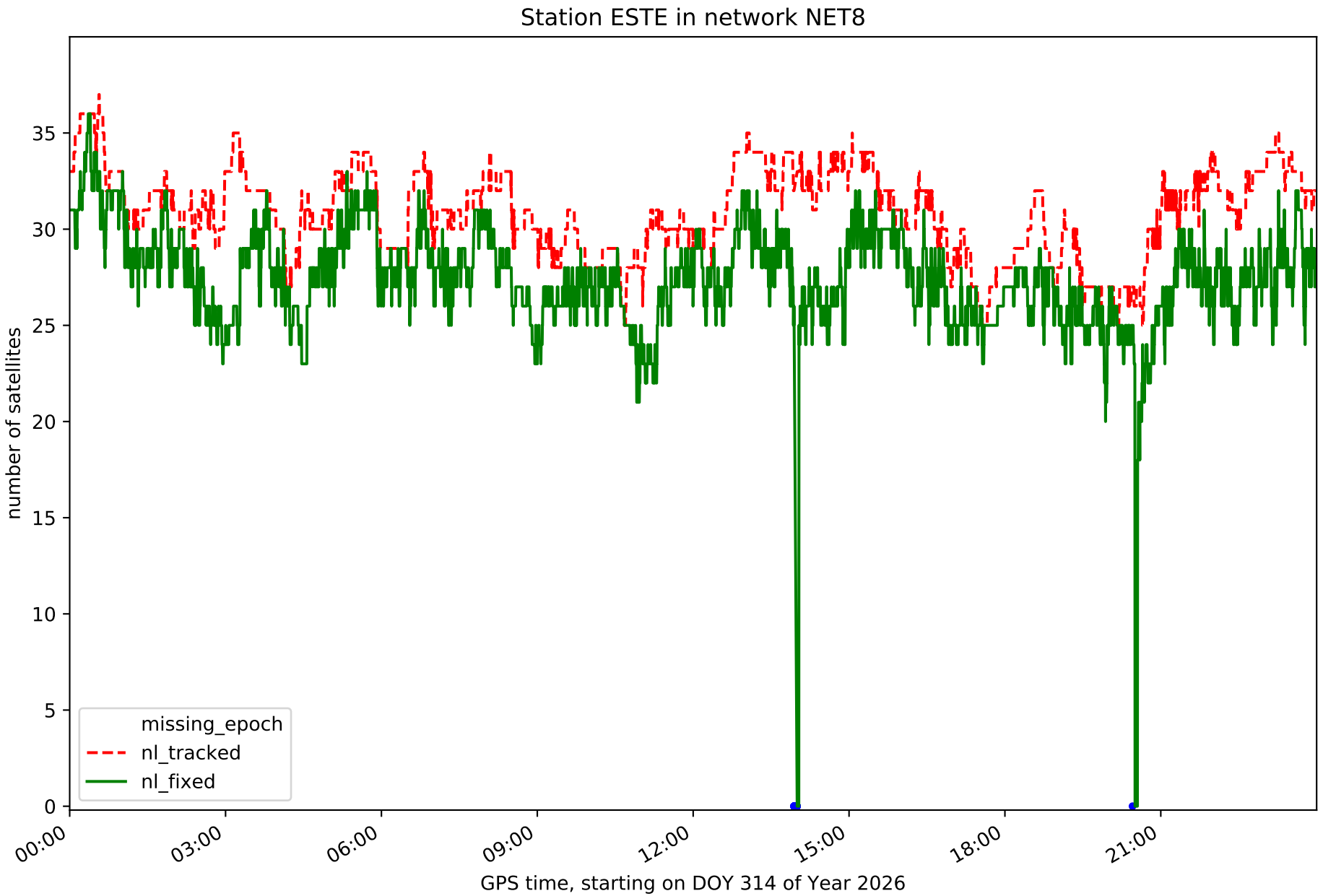

Network NET8 - only Galileo with threshold set to 0.3
number of satellites
GPS time, starting on DOY 314 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
l1_tracked
l1_fixed (94.9 % fixed)
l5_tracked
l5_fixed (95.0 % fixed)
l7_tracked
l7_fixed (95.0 % fixed)

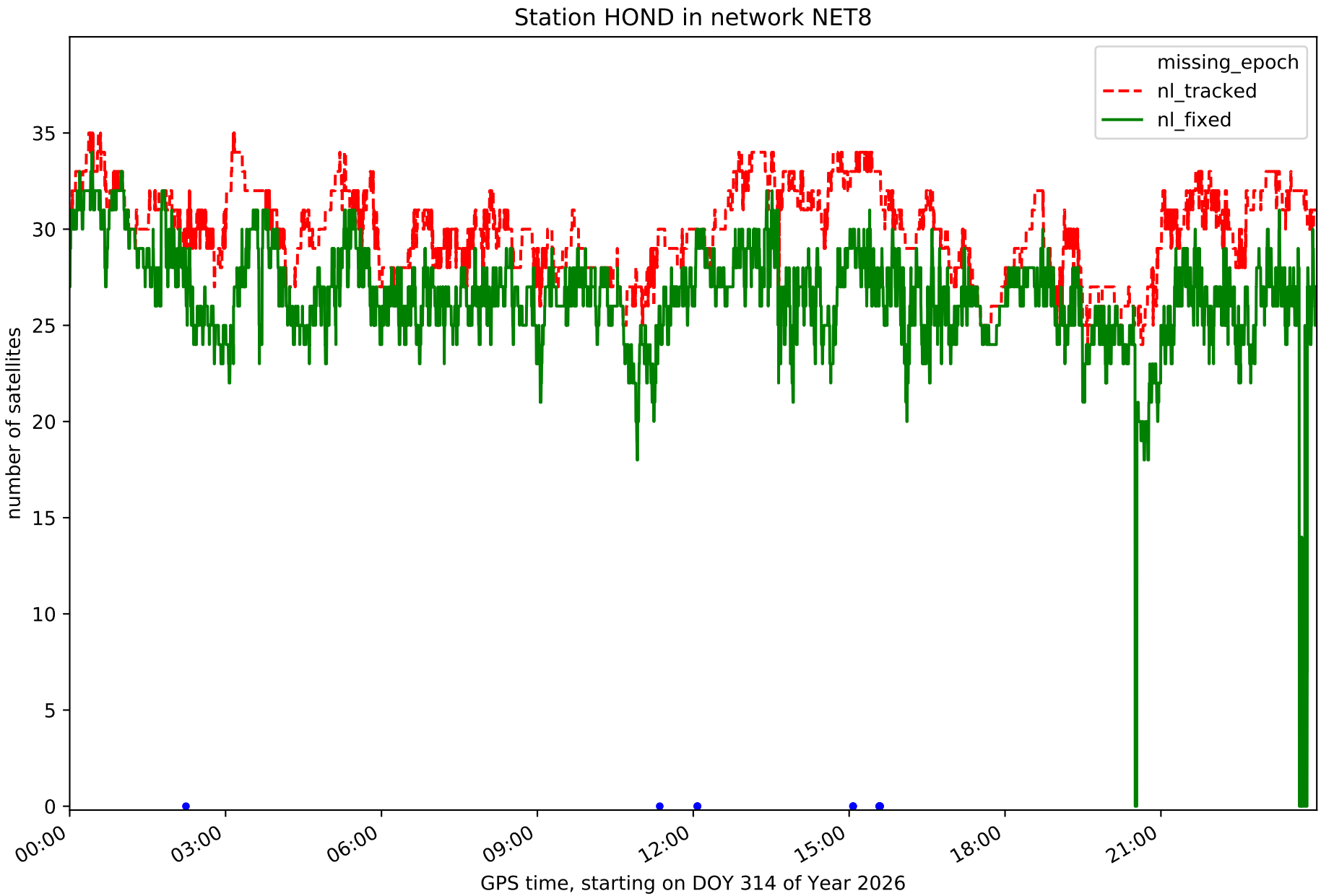

Station ALDA in network NET8
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026
missing_epoch
nl_tracked
nl_fixed

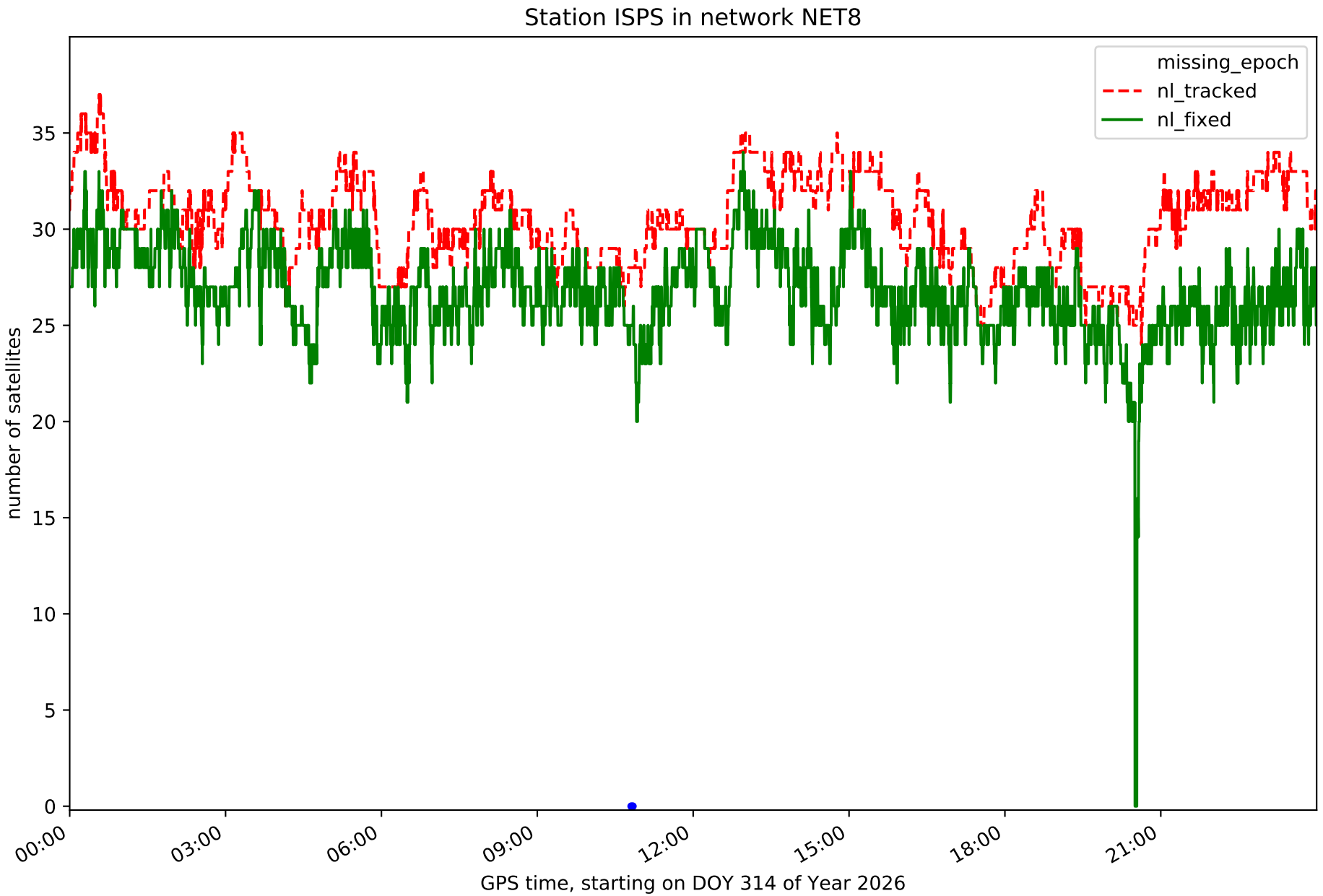

Station ALSA in network NET8
number of satellites
0
5
10
15
20
25
30
35
missing_epoch
nl_tracked
nl_fixed
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

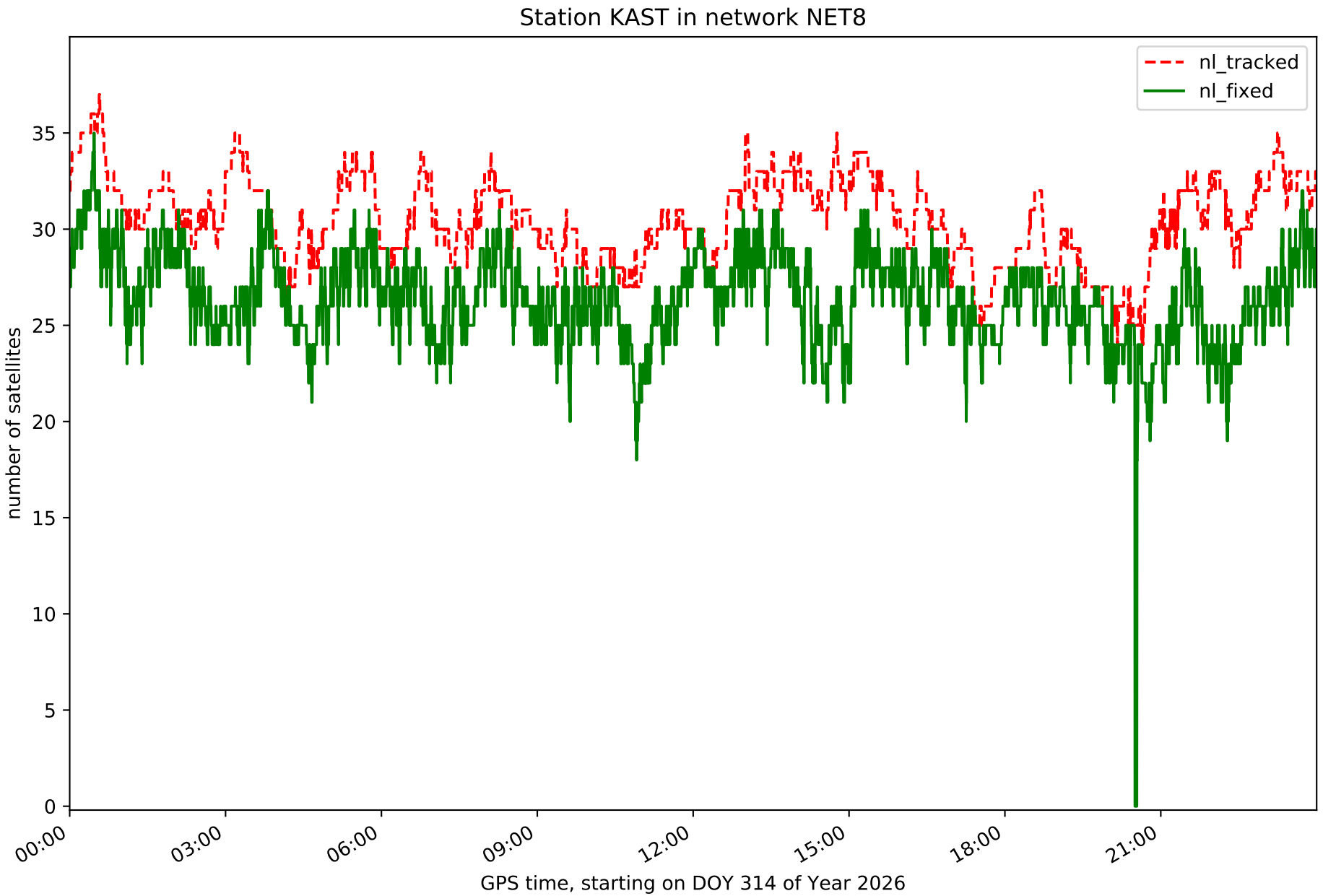

Station AMUR in network NET8
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

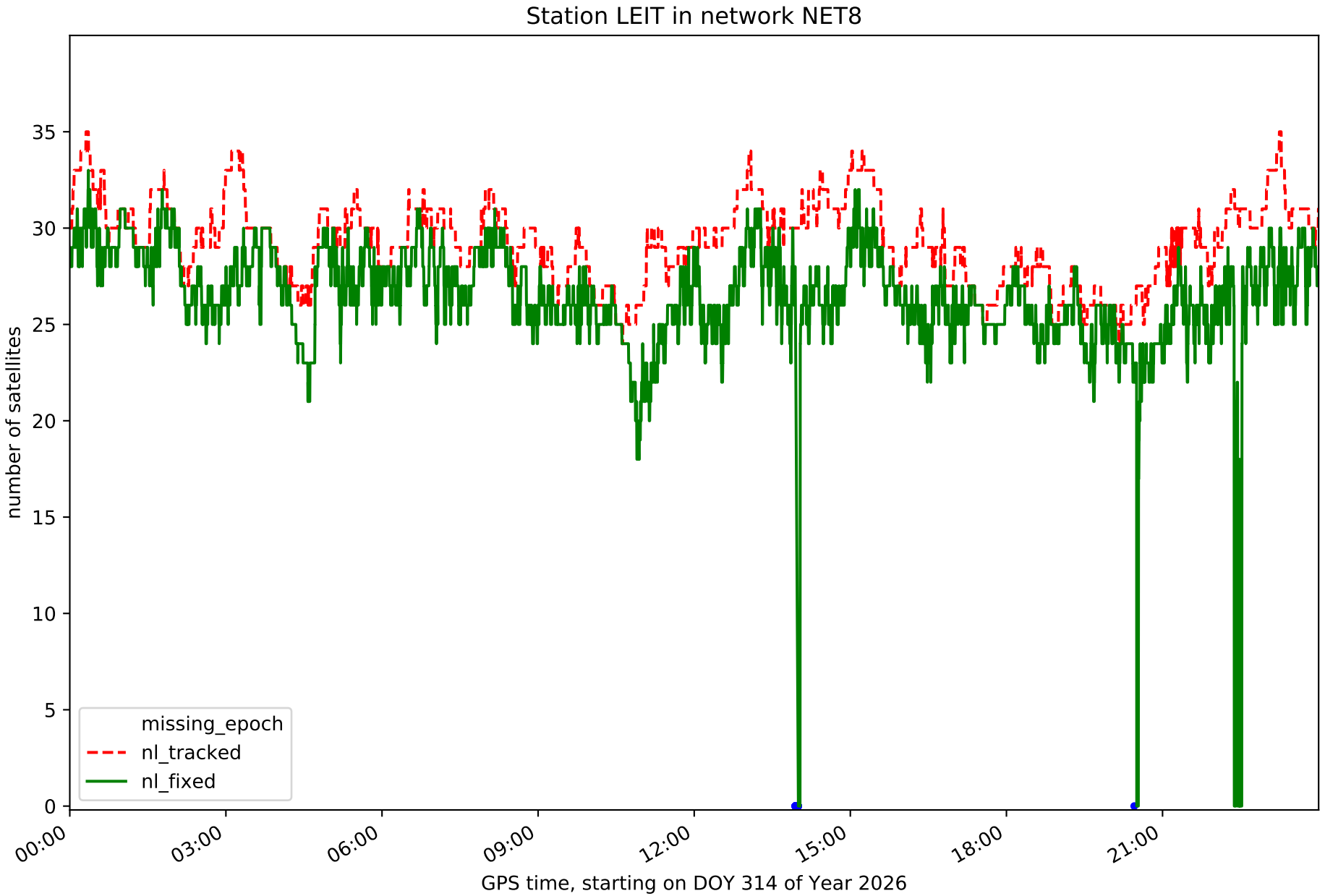

Station ELGE in network NET8
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
10-Nov
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

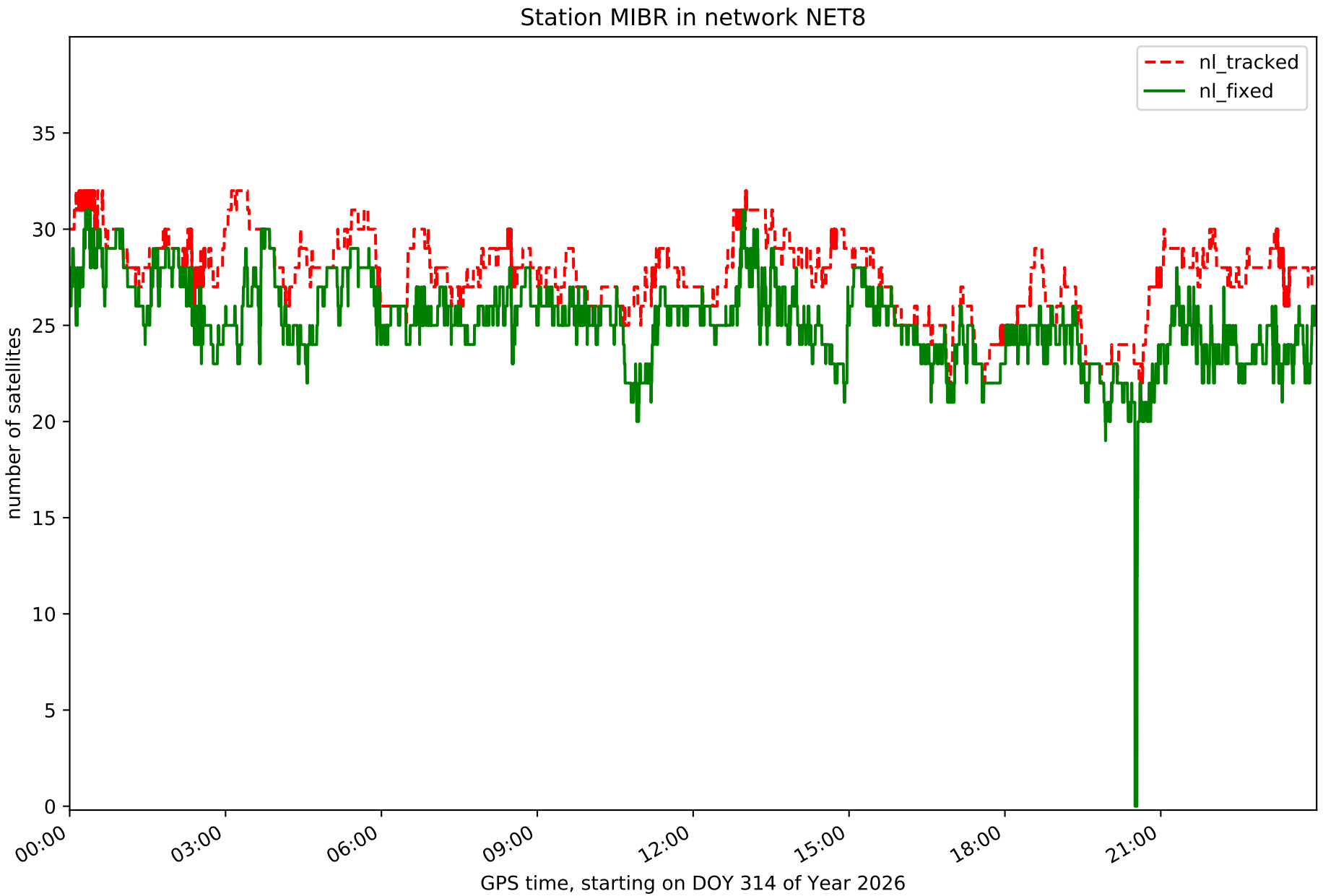

Station ESTE in network NET8
number of satellites
0
5
10
15
20
25
30
35
missing_epoch
nl_tracked
nl_fixed
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

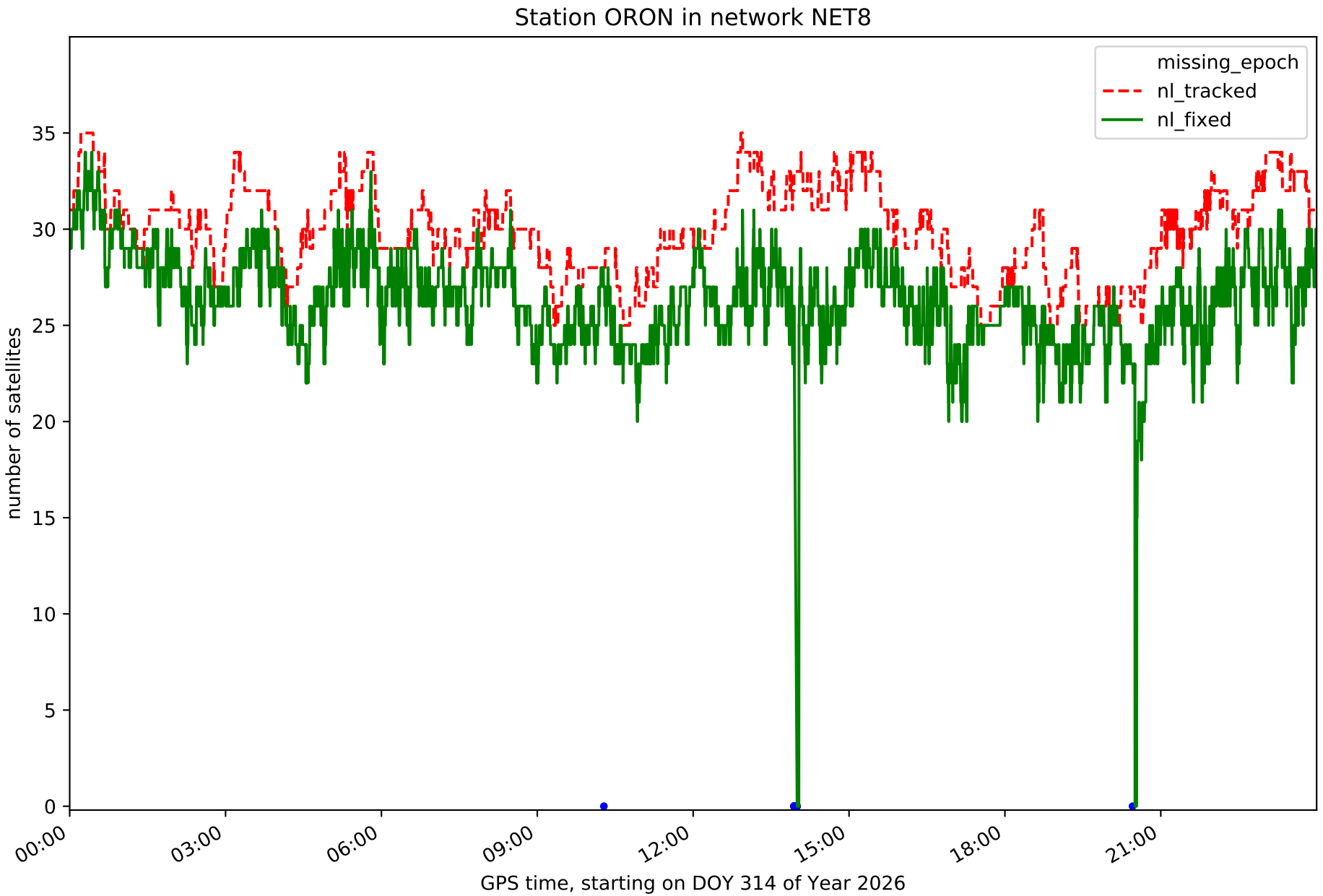

Station HOND in network NET8
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

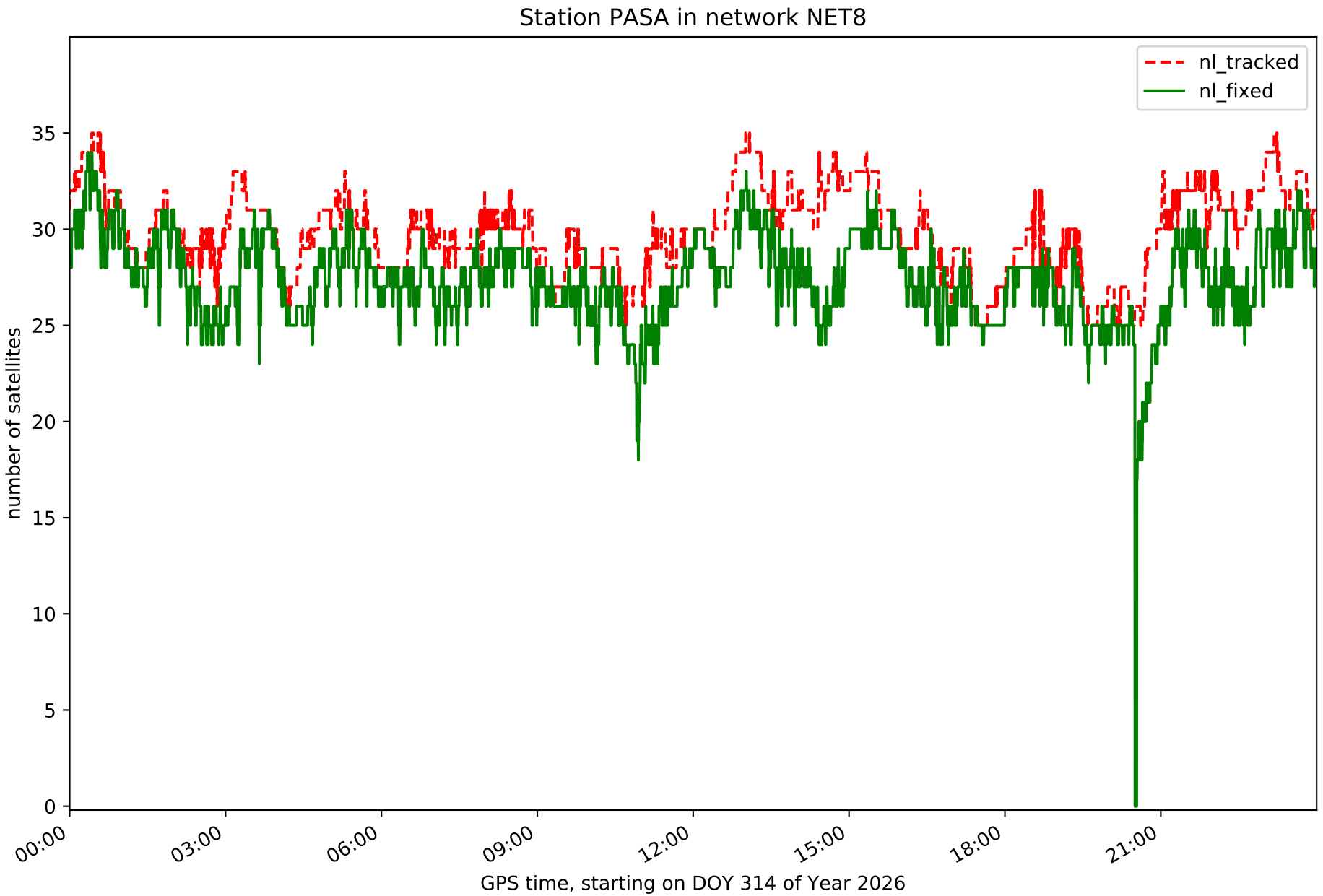

Station ISPS in network NET8
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

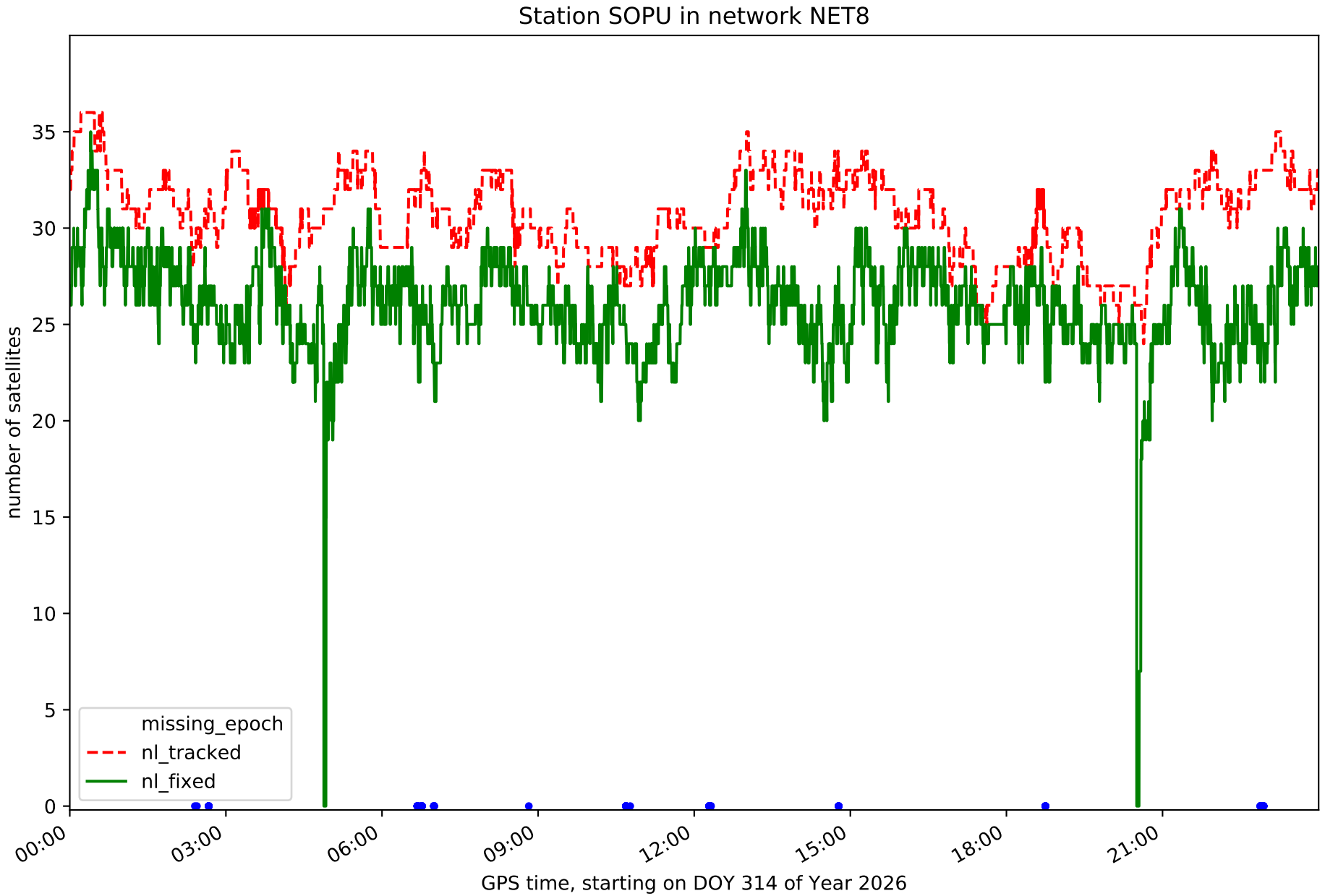

Station KAST in network NET8
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

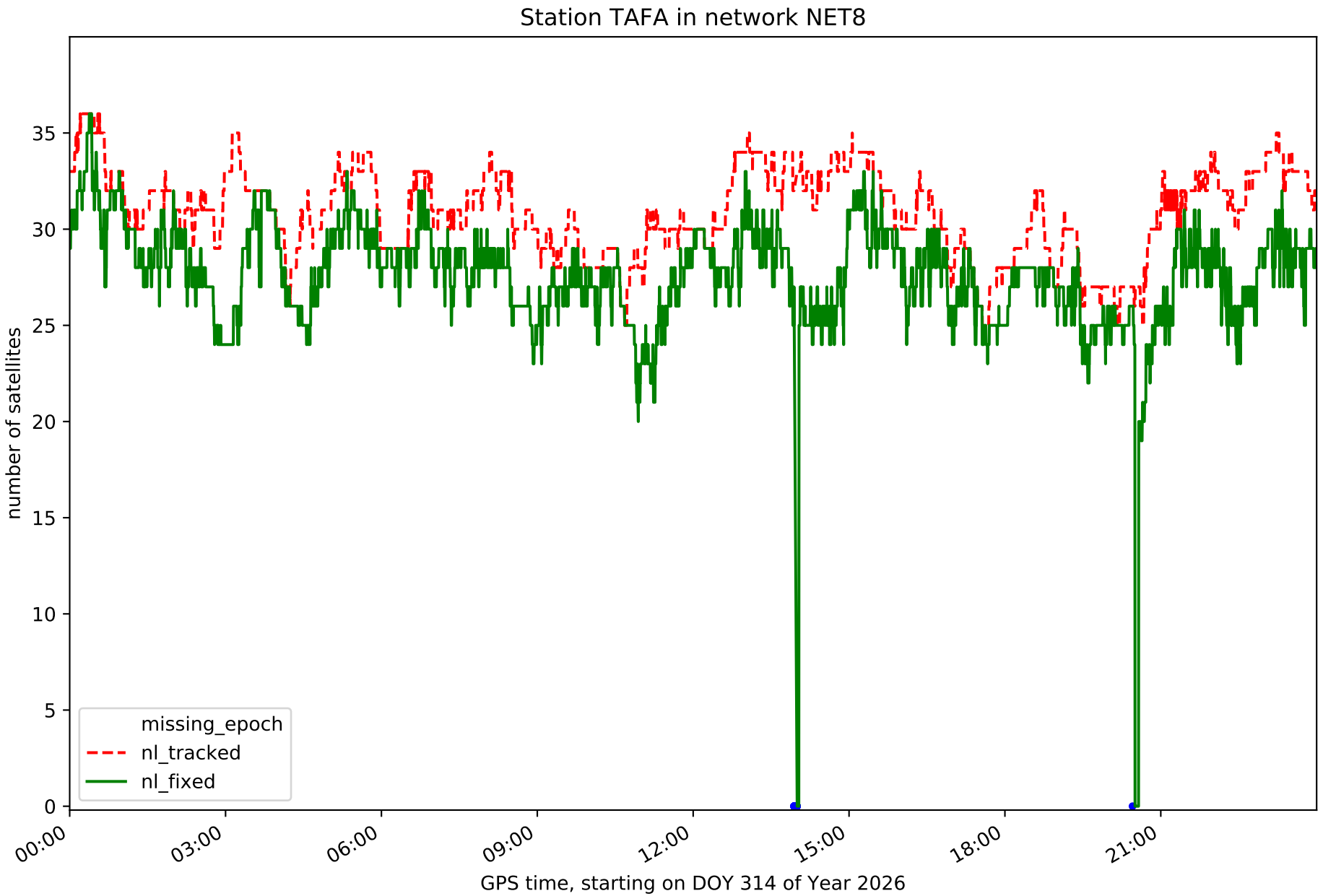

Station LEIT in network NET8
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026
missing_epoch
nl_tracked
nl_fixed

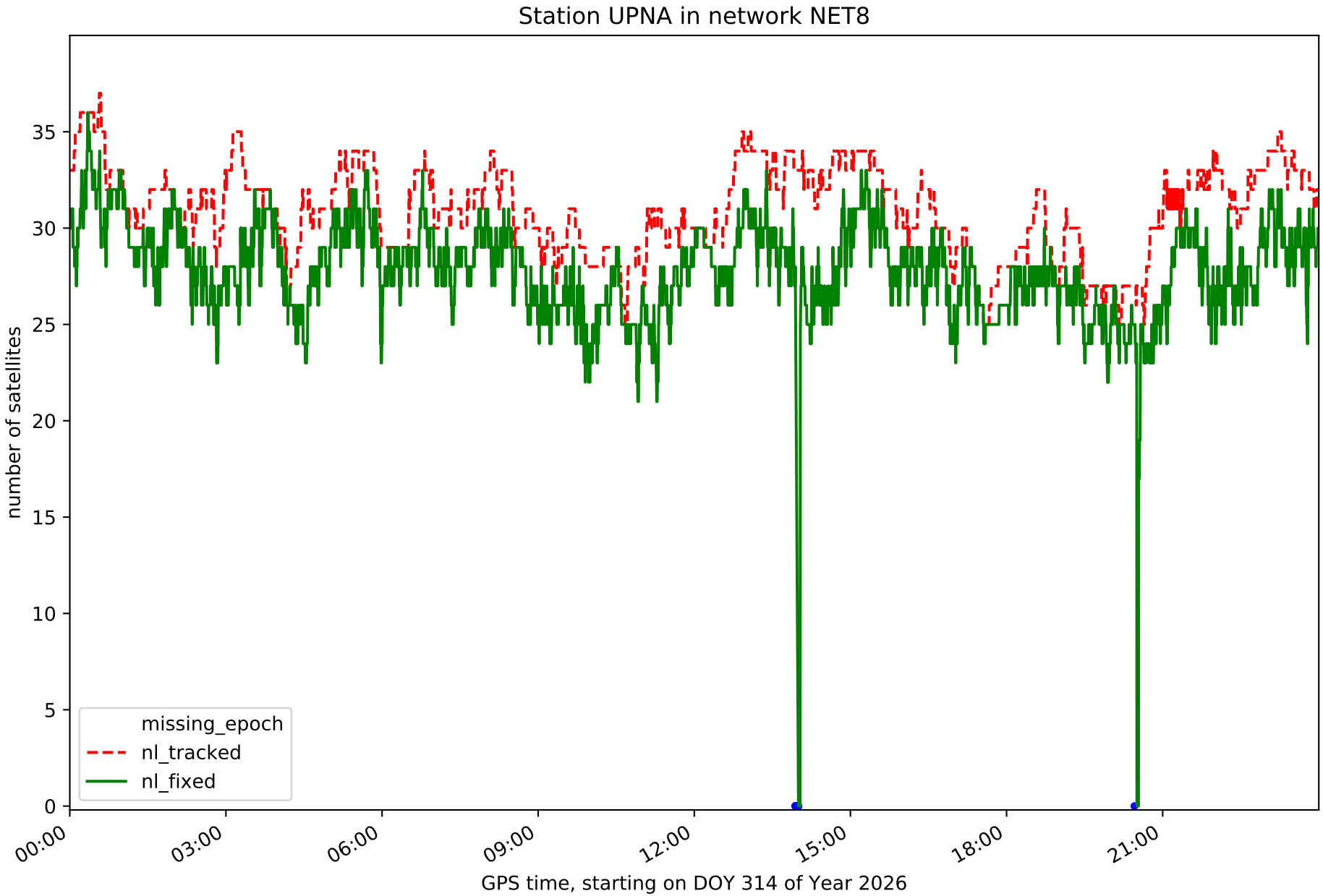

Station MIBR in network NET8
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

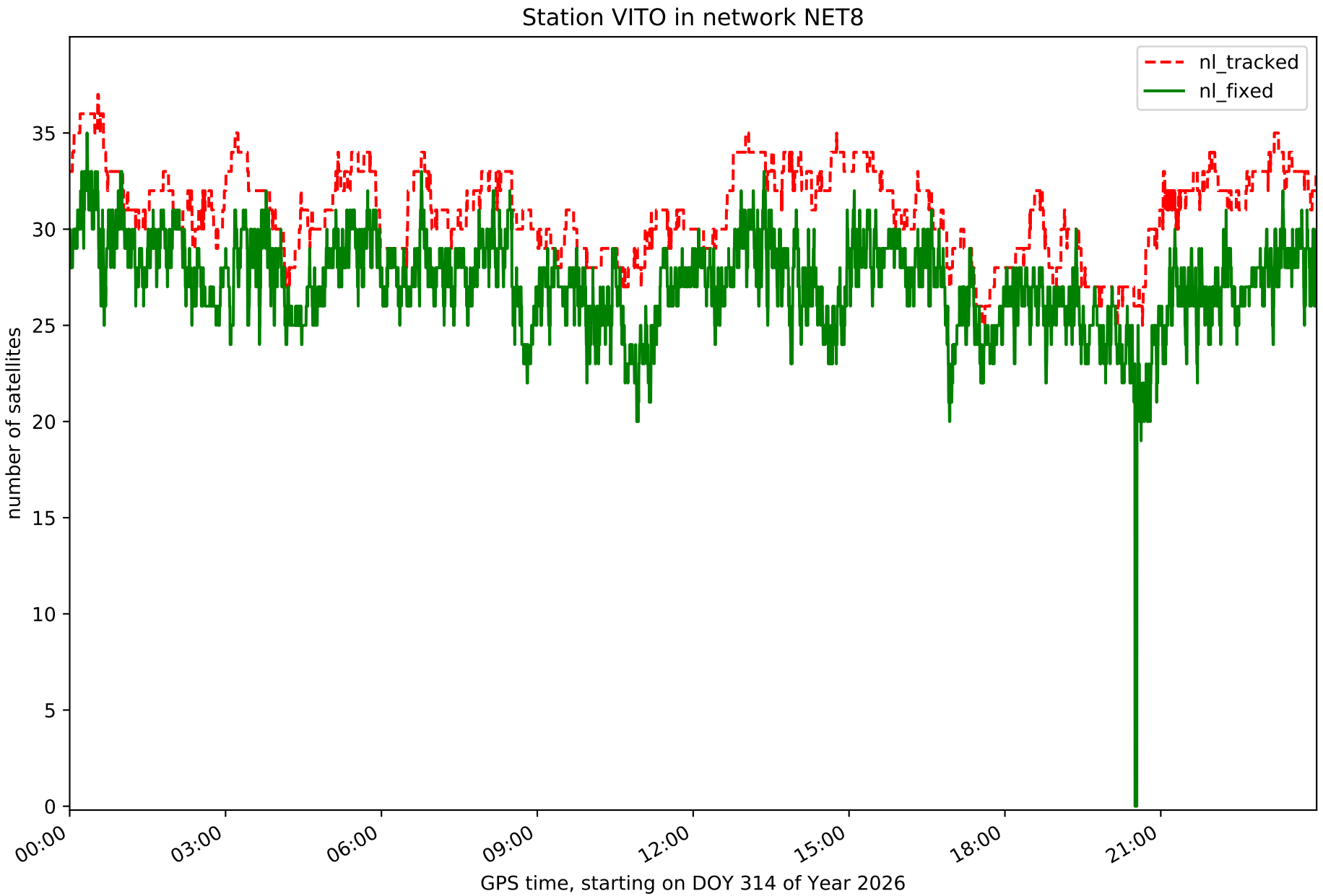

Station ORON in network NET8
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

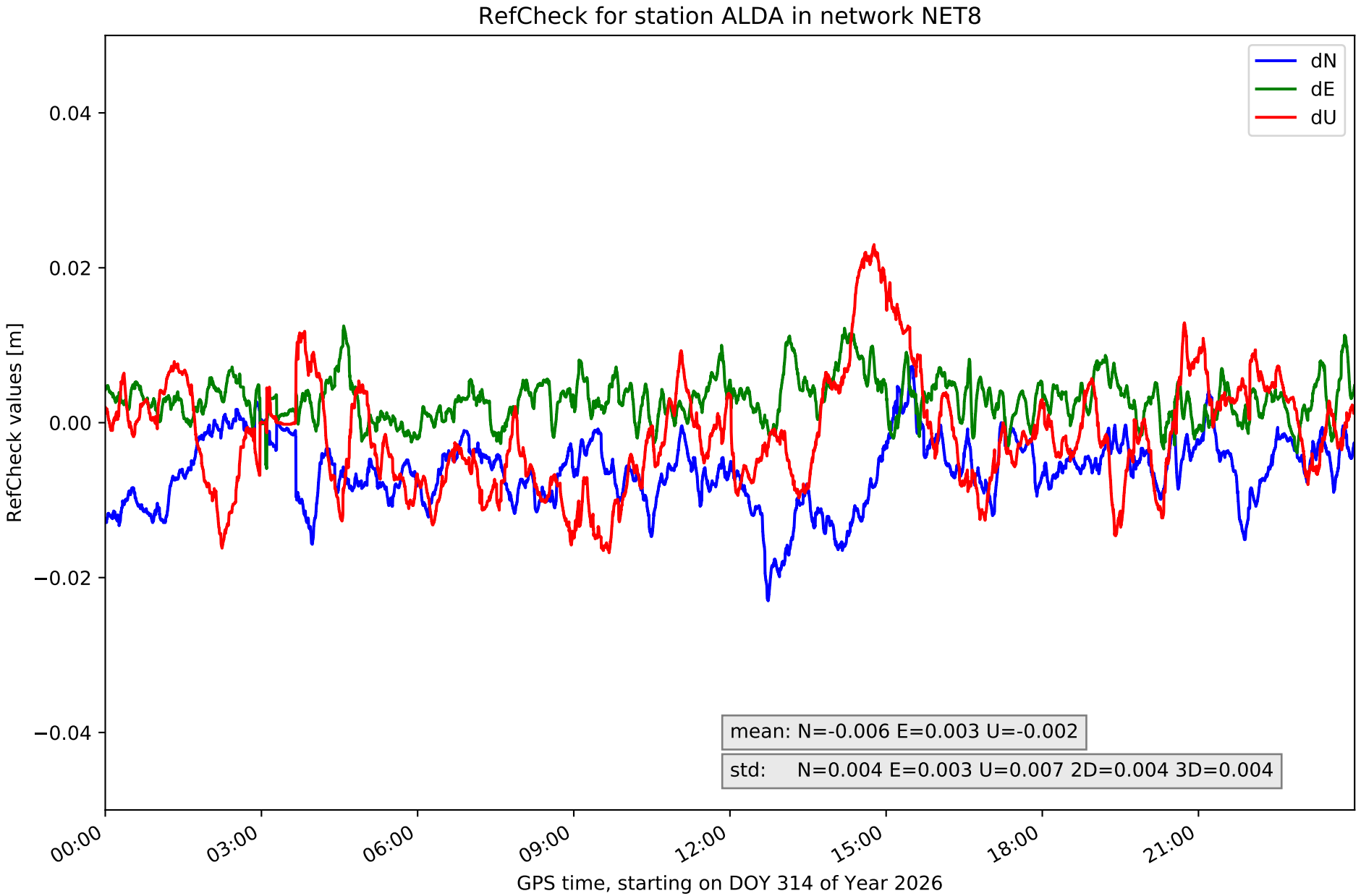

Station PASA in network NET8
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

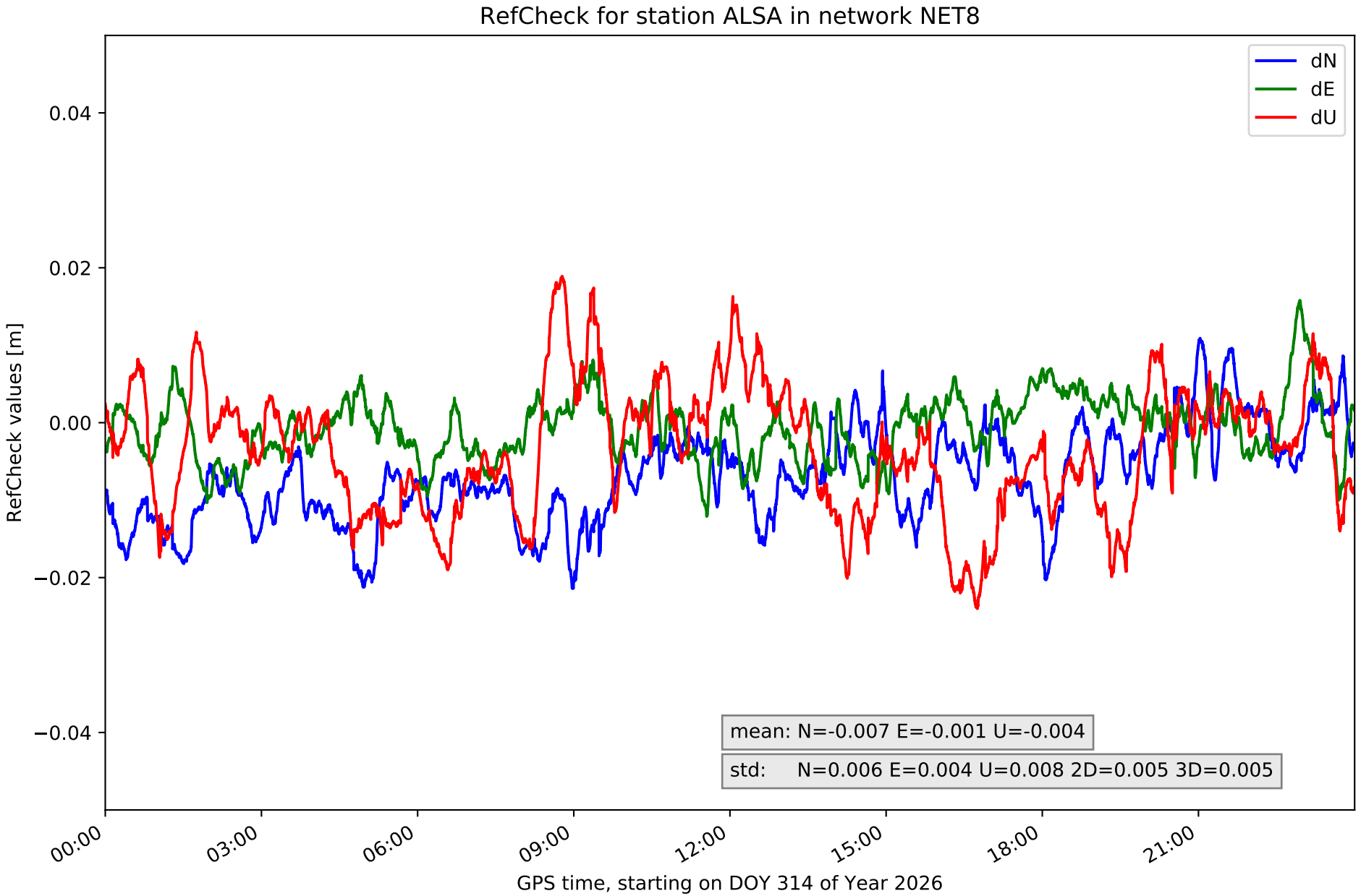

Station SOPU in network NET8
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026
missing_epoch
nl_tracked
nl_fixed

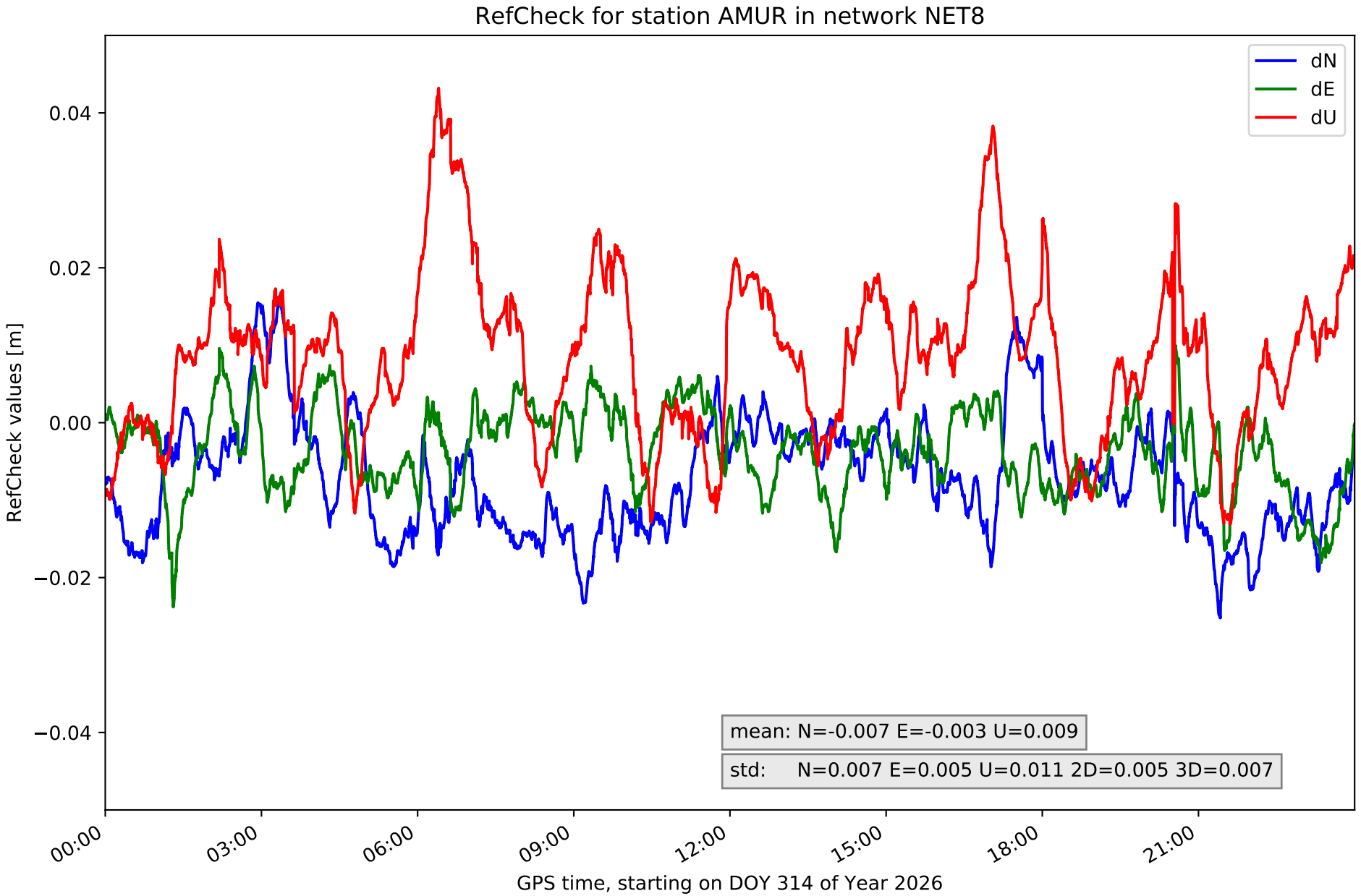

Station TAFA in network NET8
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026
missing_epoch
nl_tracked
nl_fixed

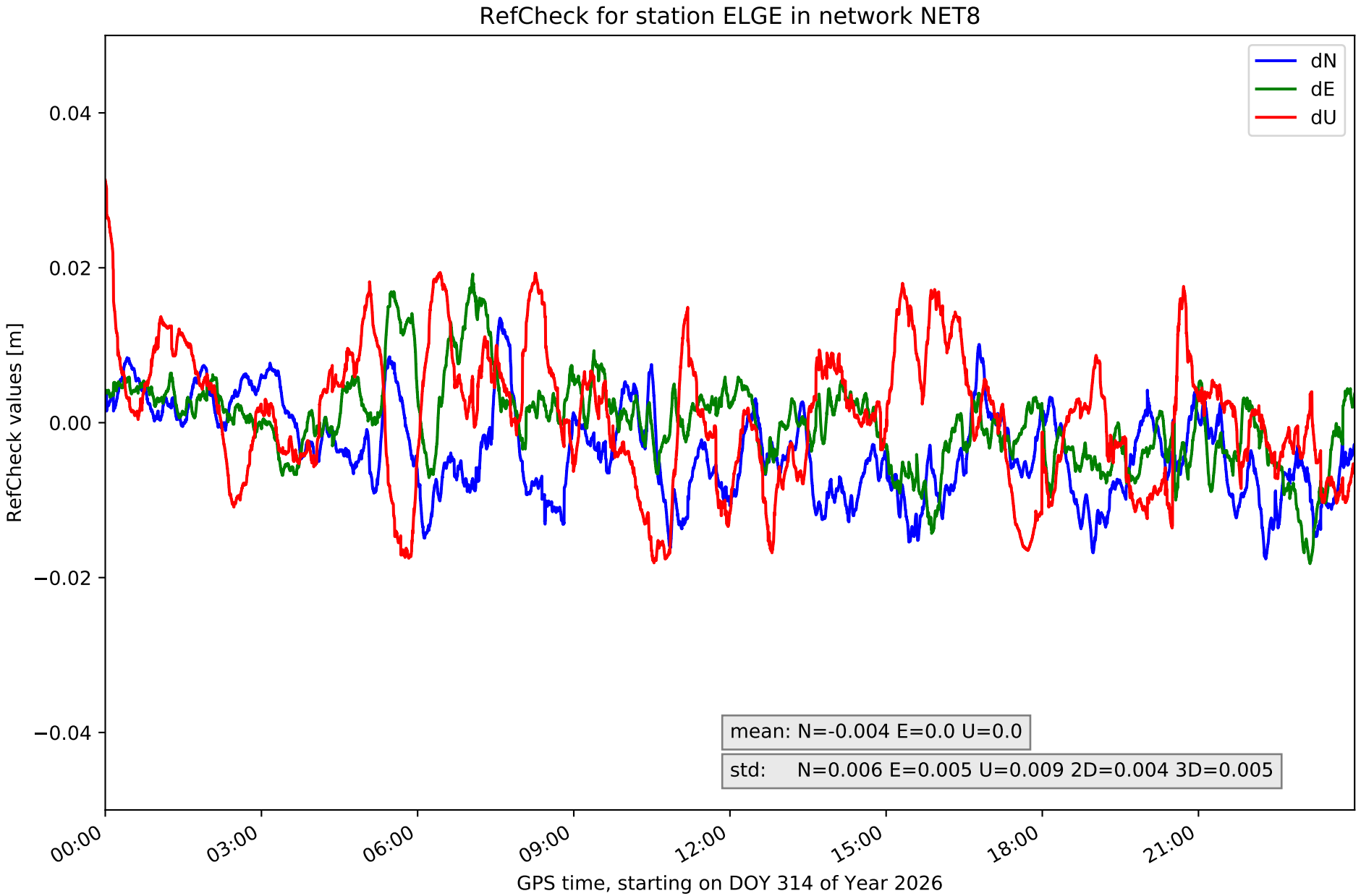

Station UPNA in network NET8
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026
missing_epoch
nl_tracked
nl_fixed

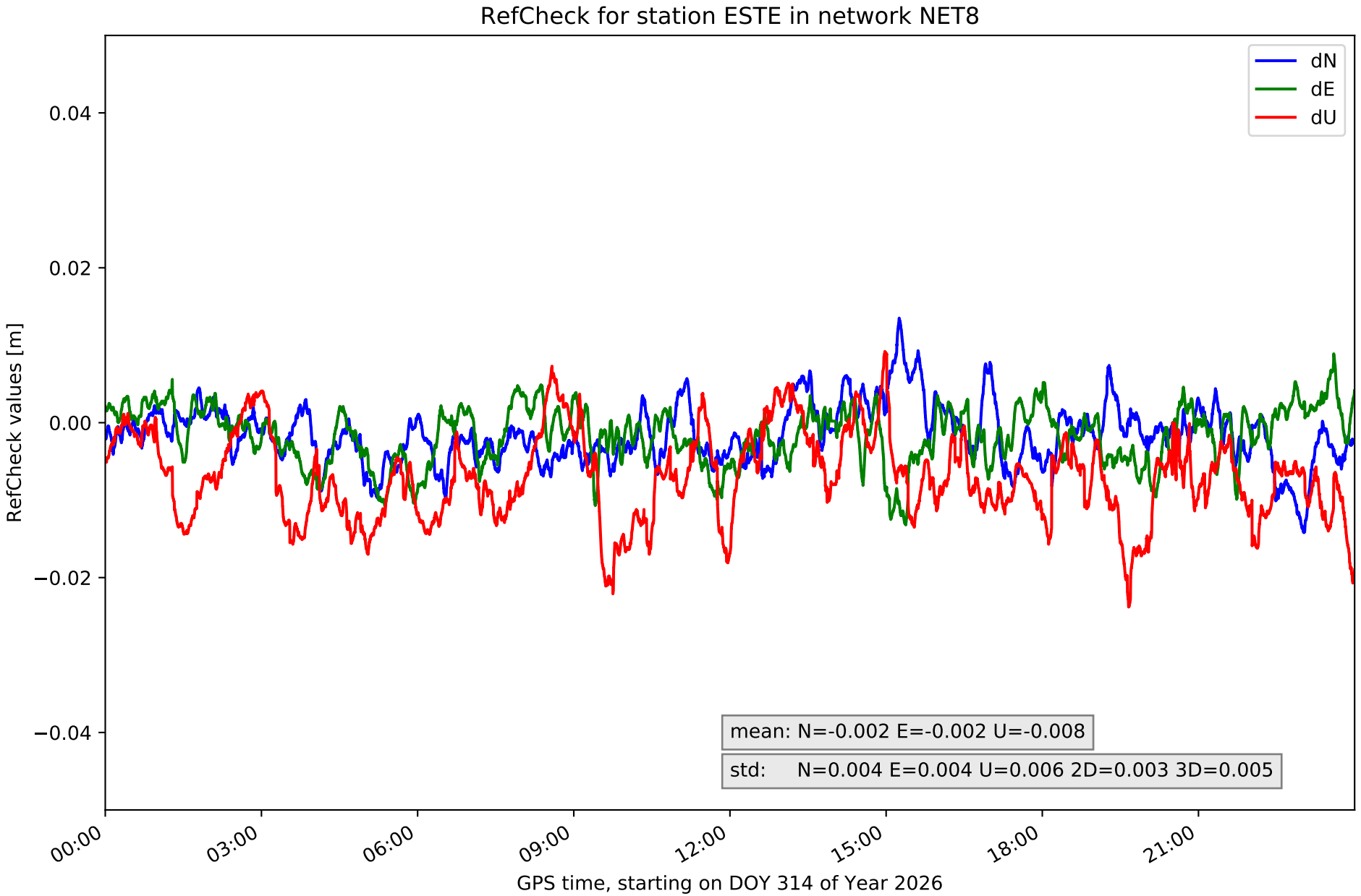

Station VITO in network NET8
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

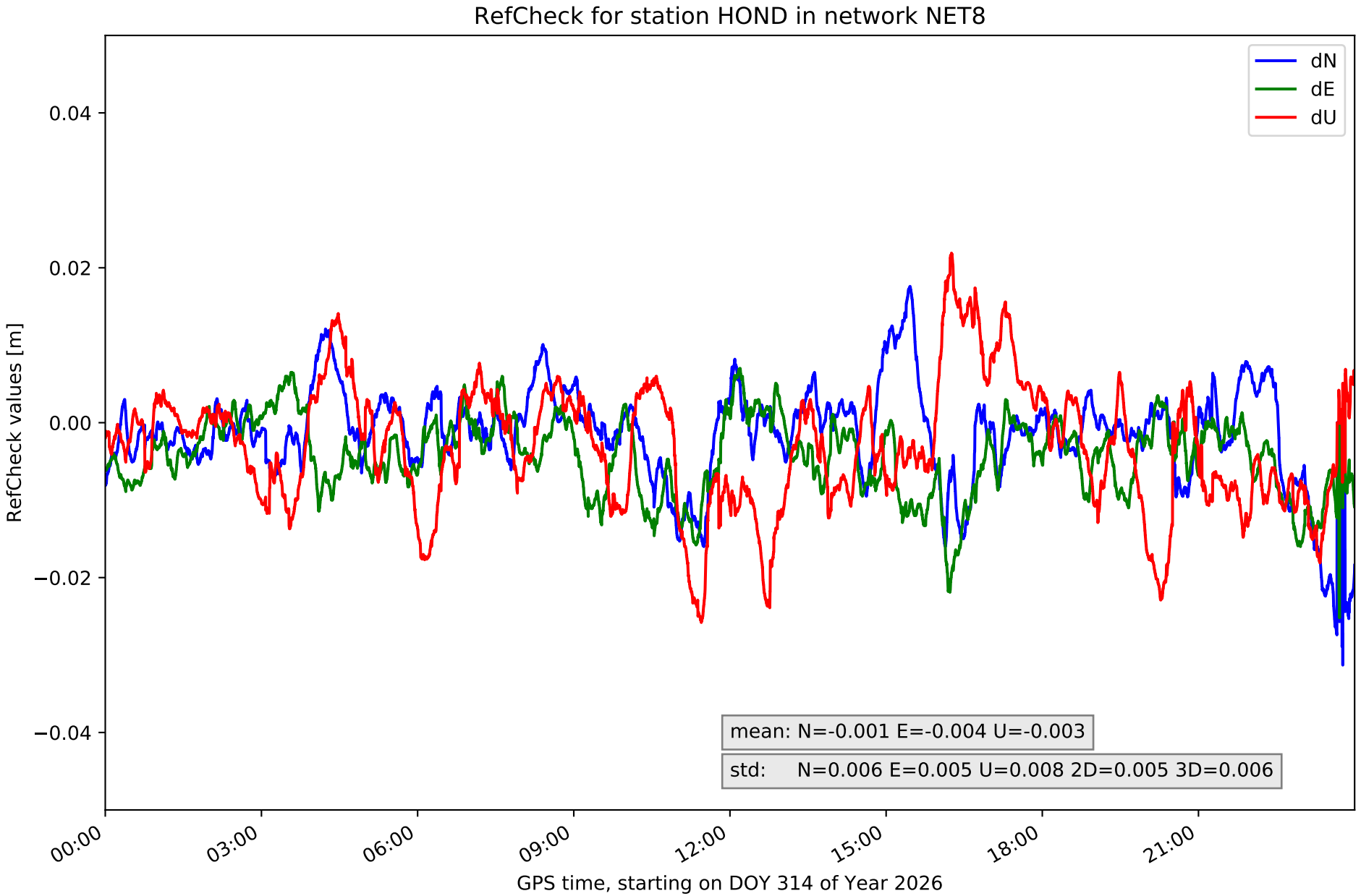

RefCheck for station ALDA in network NET8
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.006 E=0.003 U=-0.002
std: N=0.004 E=0.003 U=0.007 2D=0.004 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

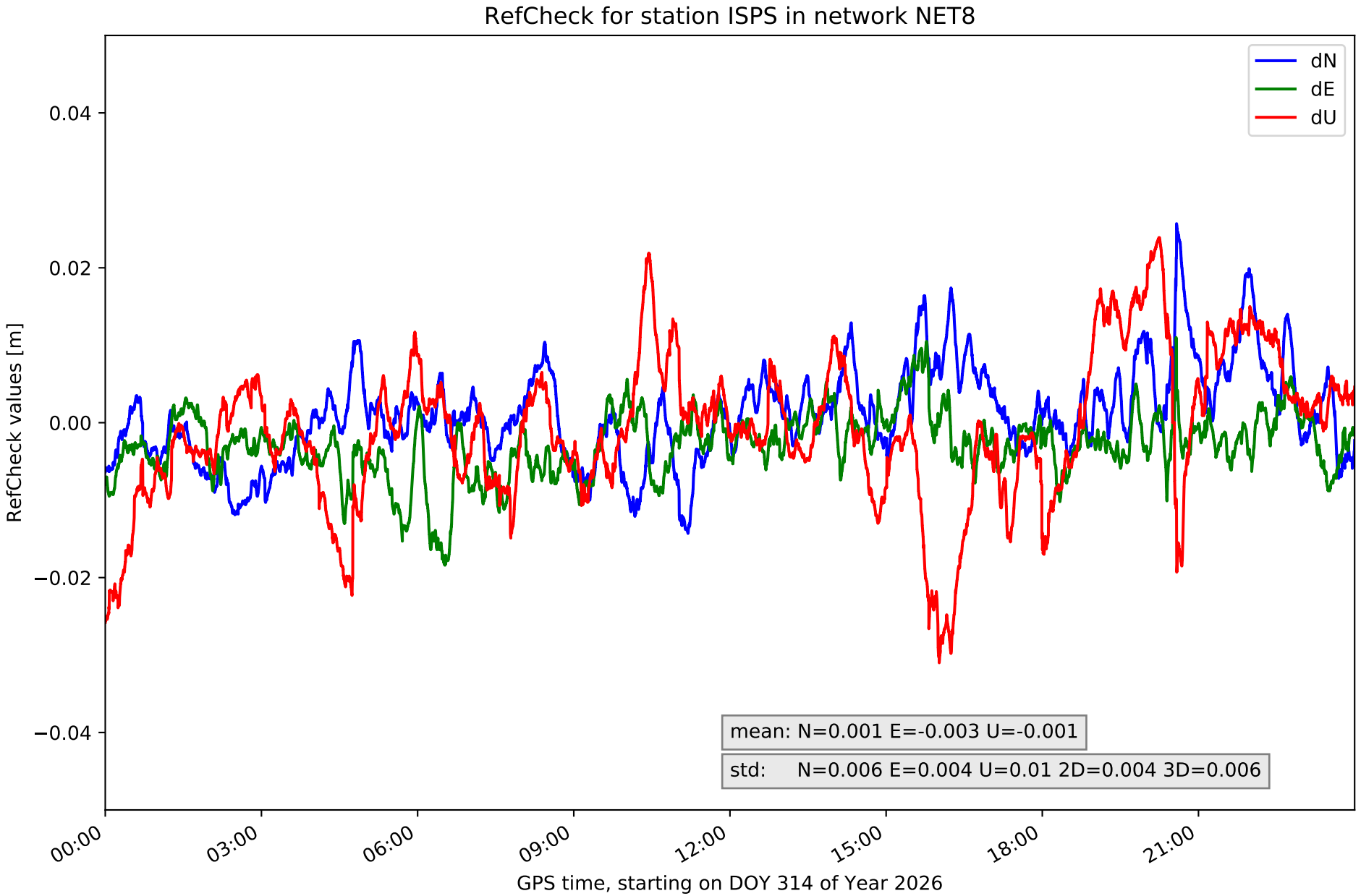

RefCheck for station ALSA in network NET8
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.007 E=-0.001 U=-0.004
std: N=0.006 E=0.004 U=0.008 2D=0.005 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

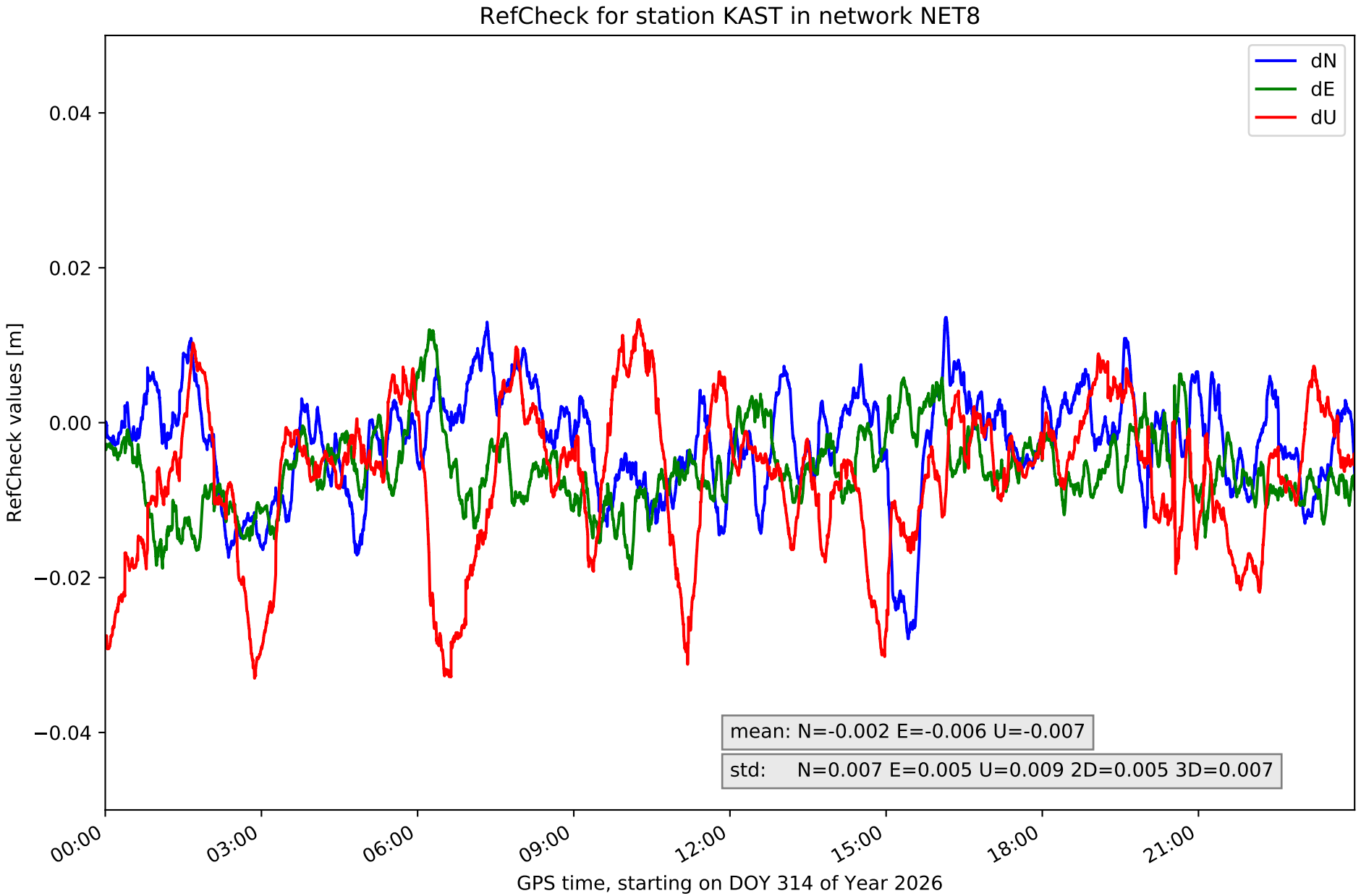

RefCheck for station AMUR in network NET8
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.007 E=-0.003 U=0.009
std: N=0.007 E=0.005 U=0.011 2D=0.005 3D=0.007
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

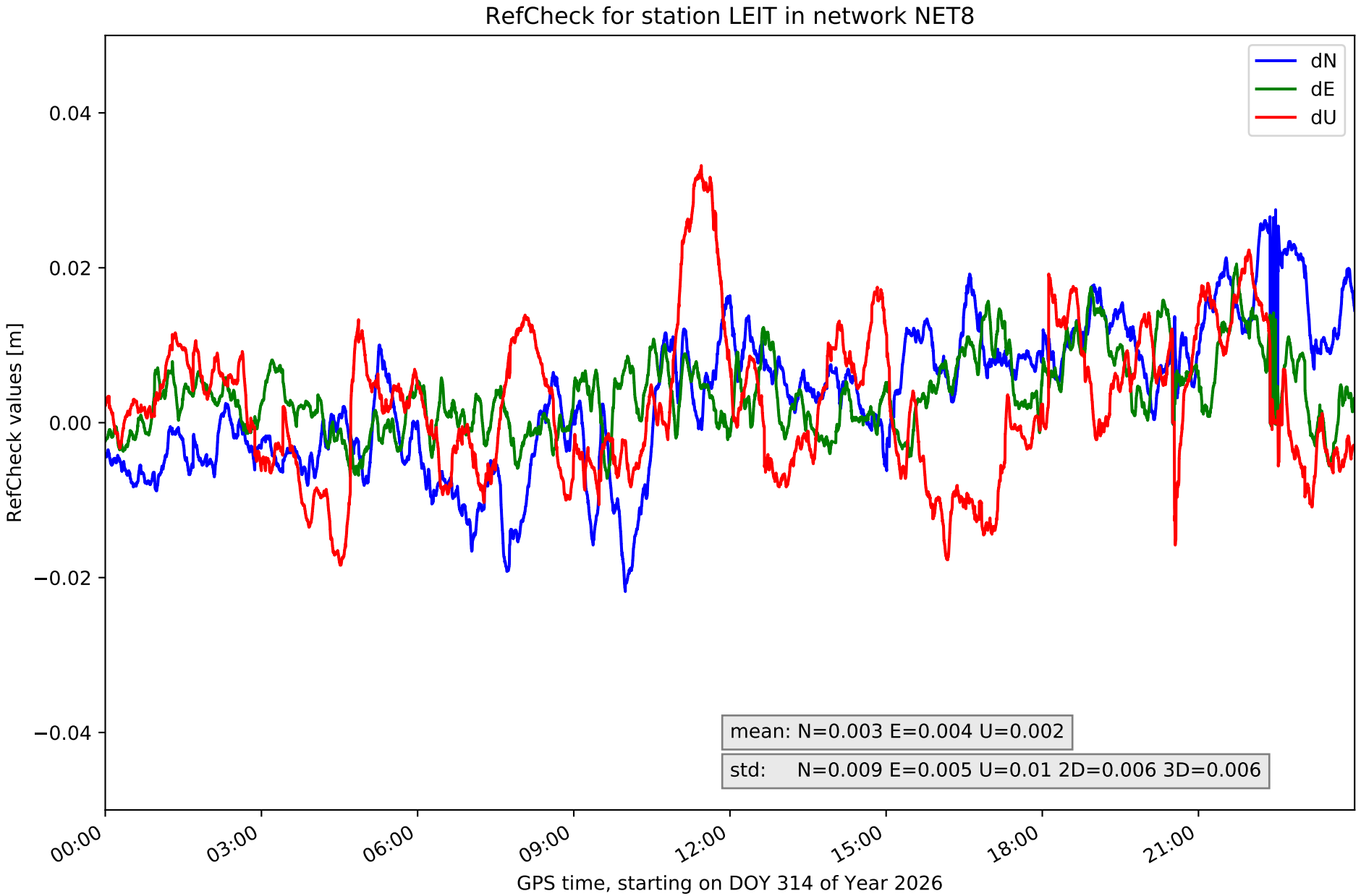

RefCheck for station ELGE in network NET8
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.004 E=0.0 U=0.0
std: N=0.006 E=0.005 U=0.009 2D=0.004 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

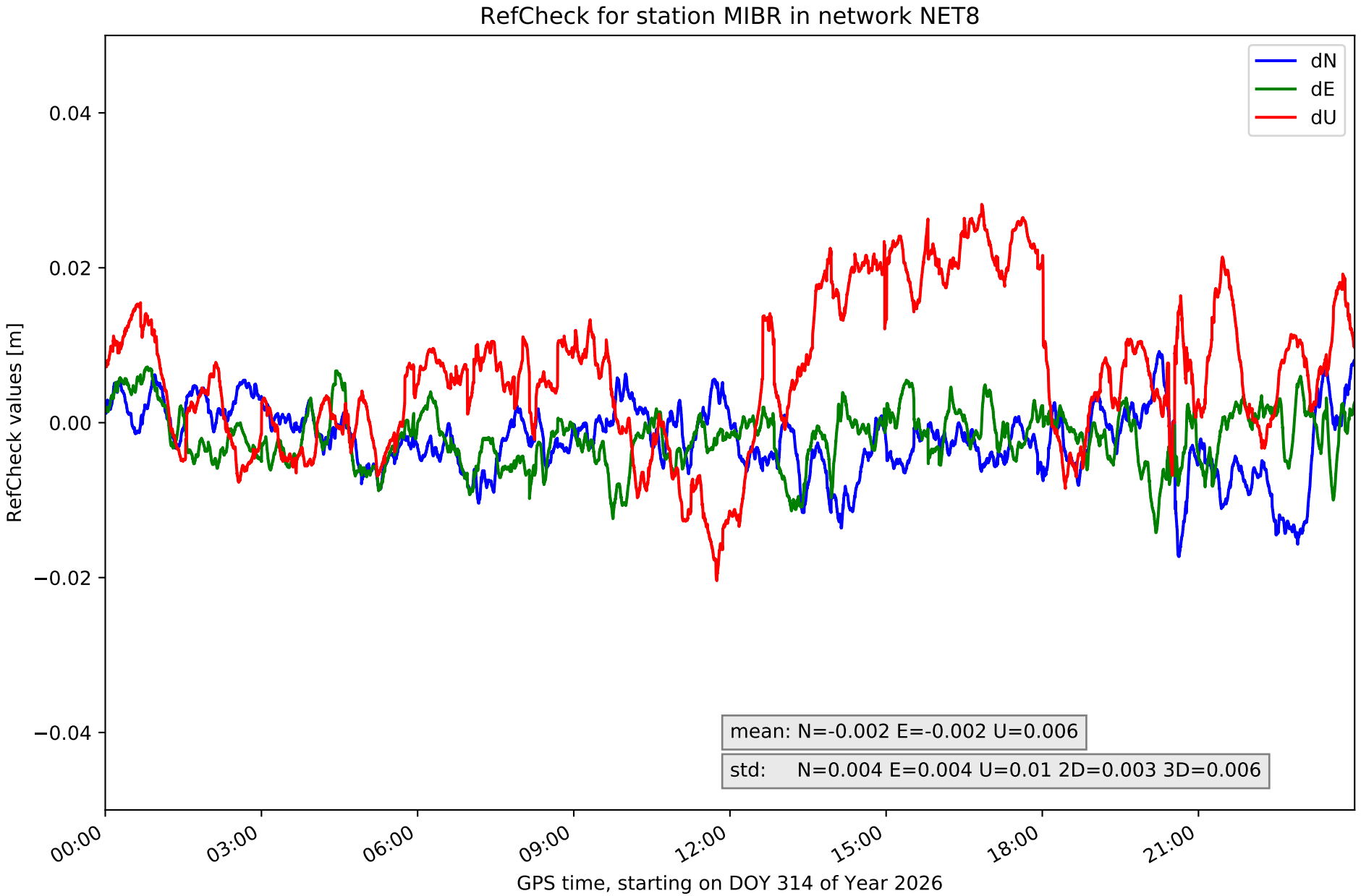

RefCheck for station ESTE in network NET8
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.002 E=-0.002 U=-0.008
std: N=0.004 E=0.004 U=0.006 2D=0.003 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

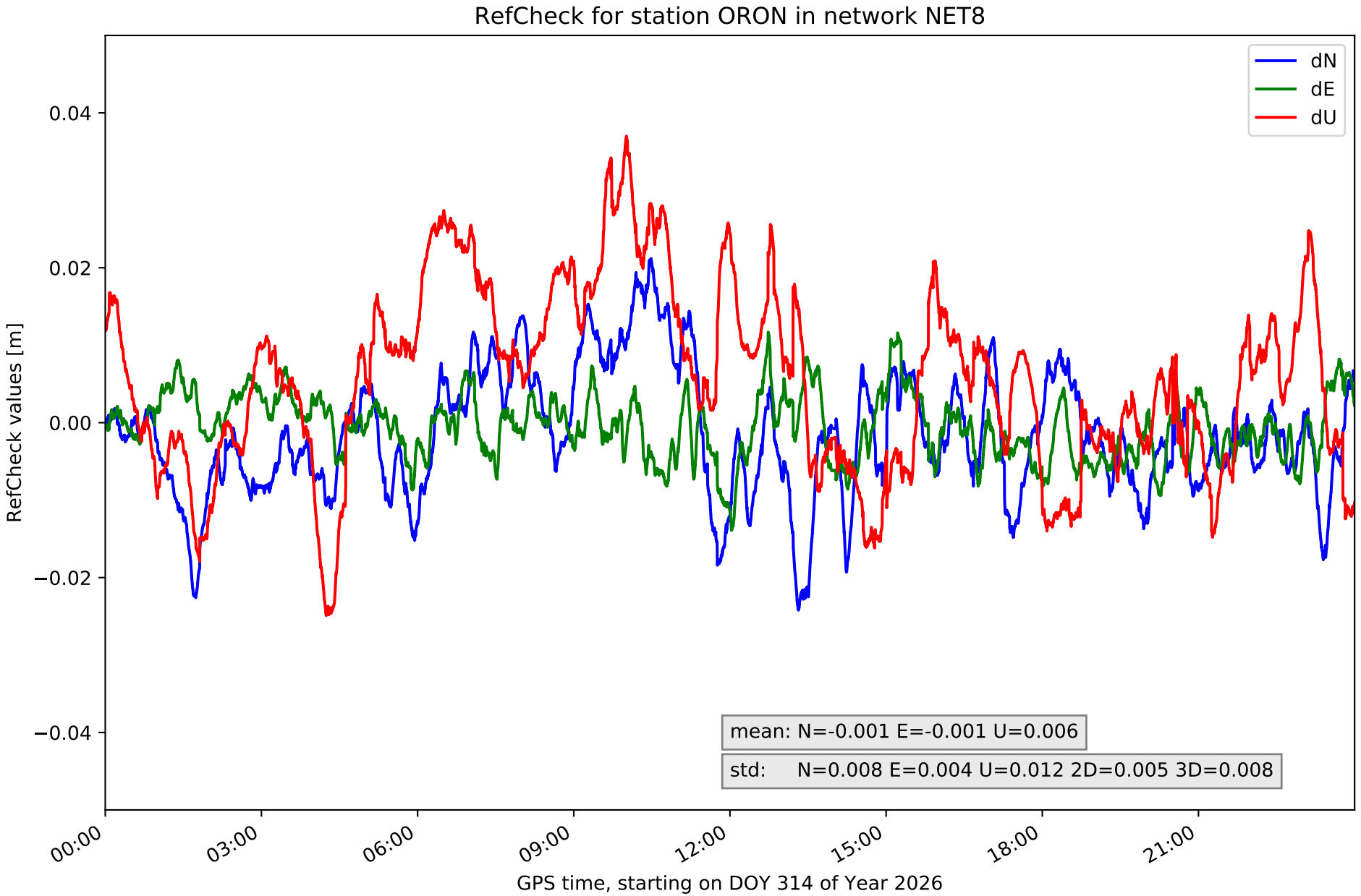

RefCheck for station HOND in network NET8
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.001 E=-0.004 U=-0.003
std: N=0.006 E=0.005 U=0.008 2D=0.005 3D=0.006
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

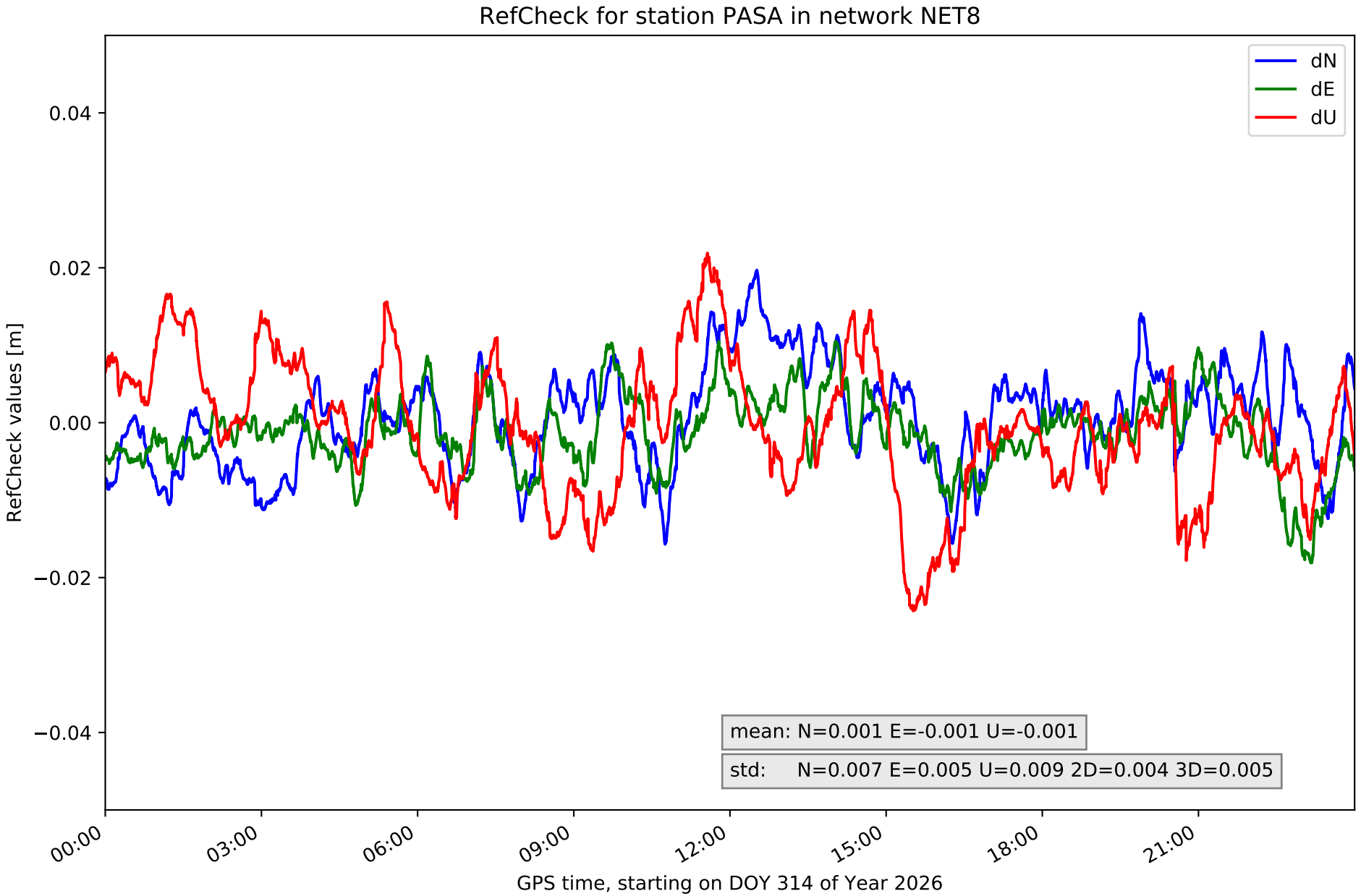

RefCheck for station ISPS in network NET8
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.001 E=-0.003 U=-0.001
std: N=0.006 E=0.004 U=0.01 2D=0.004 3D=0.006
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

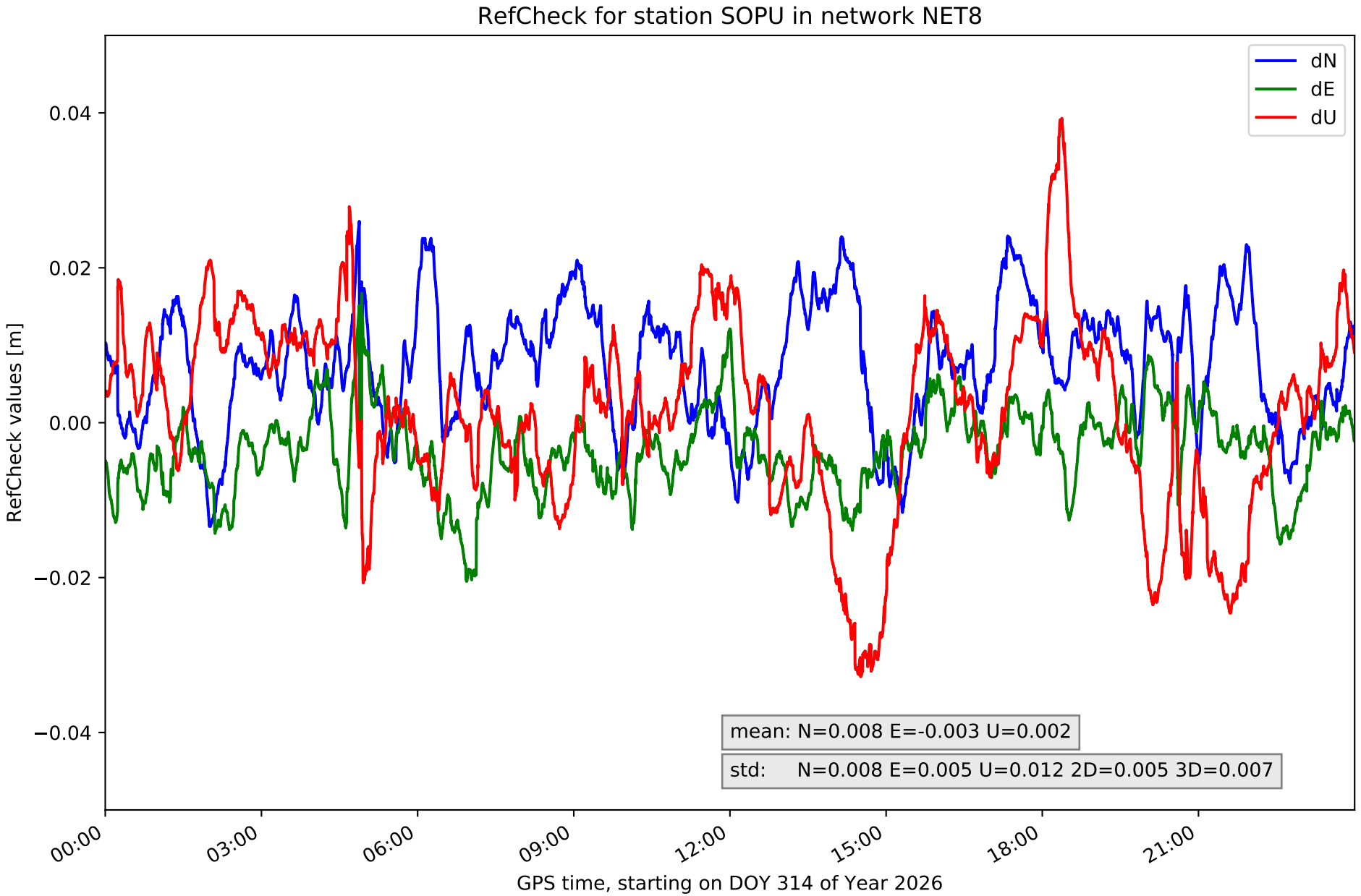

RefCheck for station KAST in network NET8
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.002 E=-0.006 U=-0.007
std: N=0.007 E=0.005 U=0.009 2D=0.005 3D=0.007
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

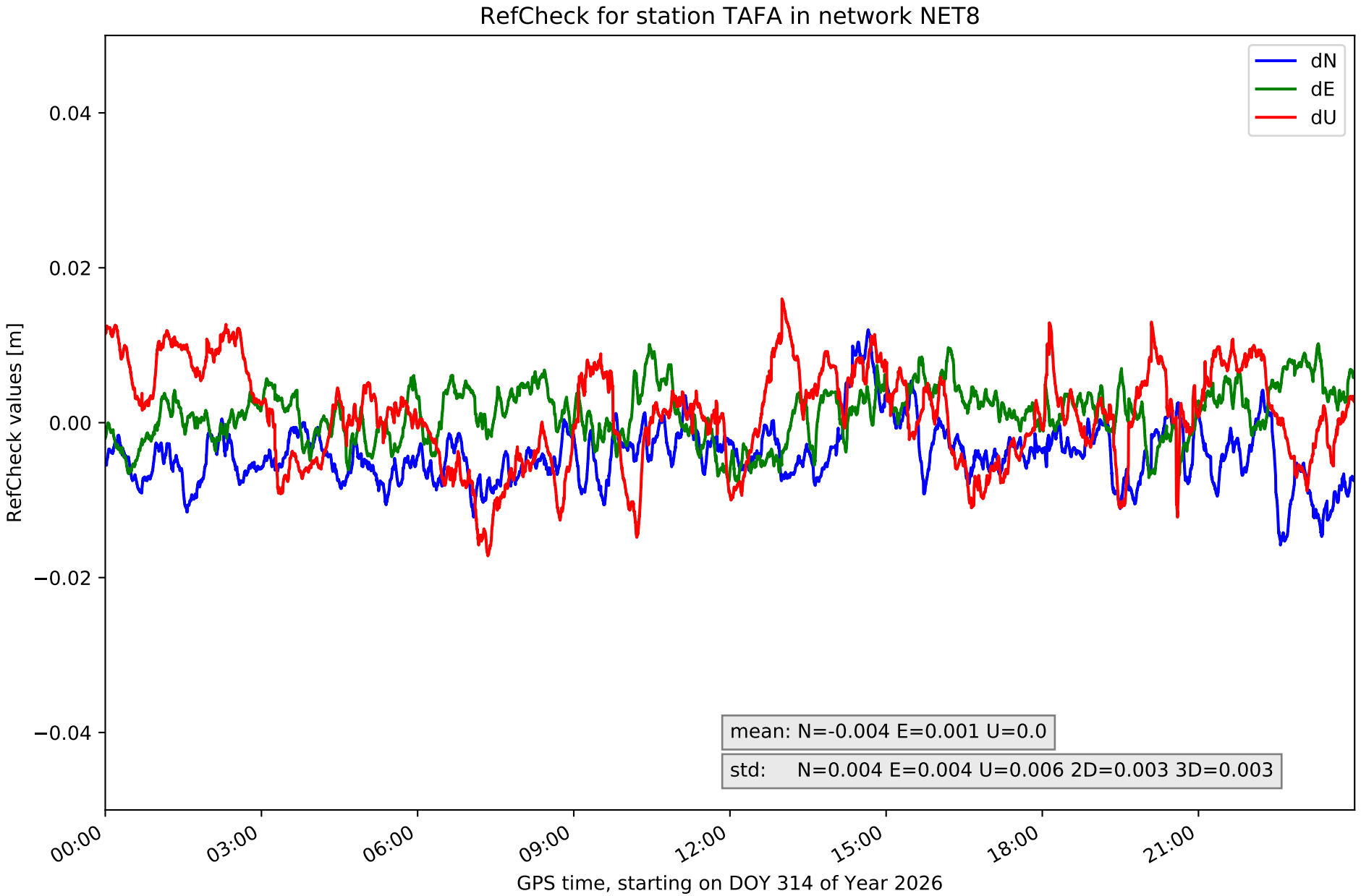

RefCheck for station LEIT in network NET8
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.003 E=0.004 U=0.002
std: N=0.009 E=0.005 U=0.01 2D=0.006 3D=0.006
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

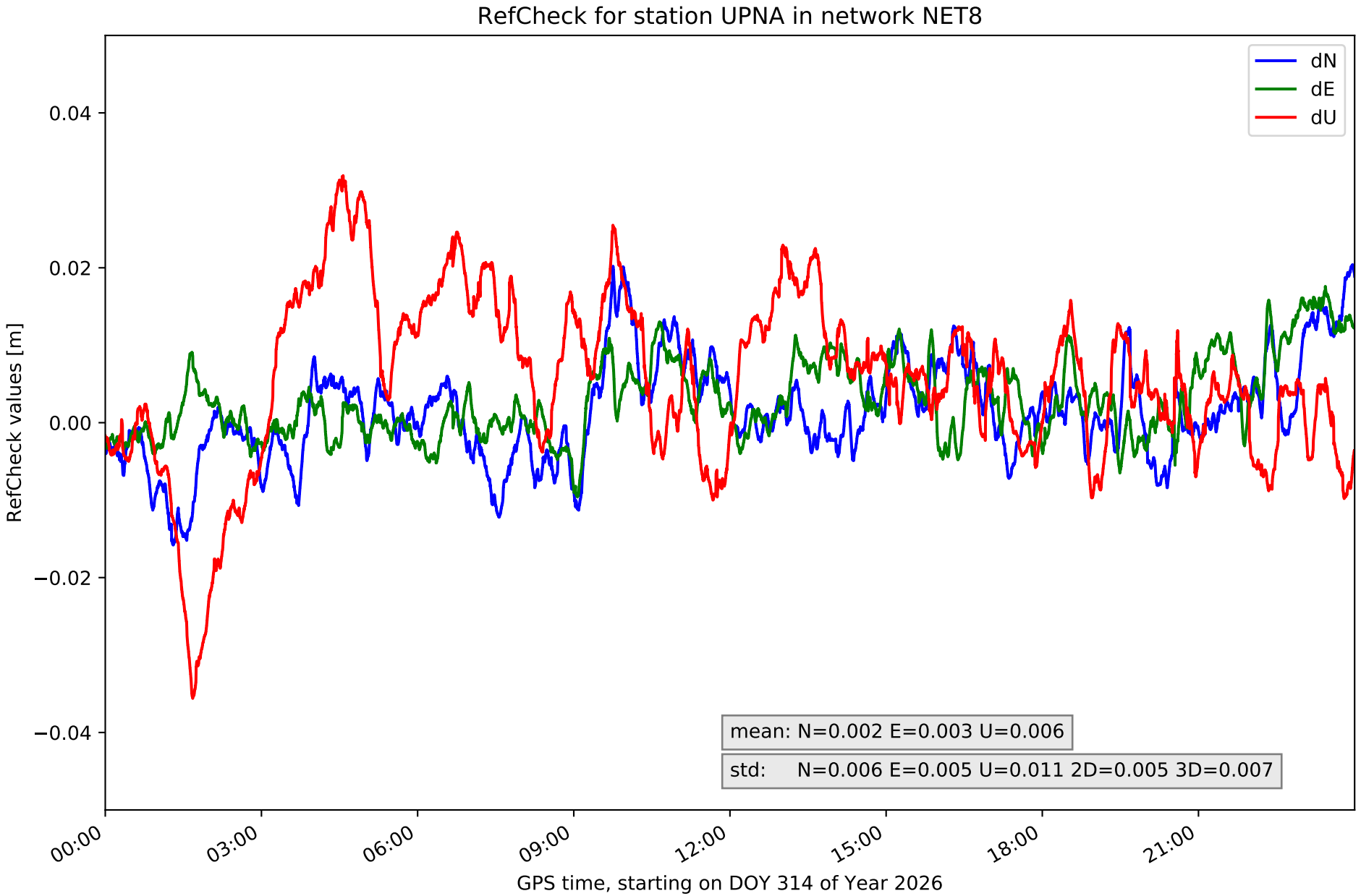

RefCheck for station MIBR in network NET8
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.002 E=-0.002 U=0.006
std: N=0.004 E=0.004 U=0.01 2D=0.003 3D=0.006
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

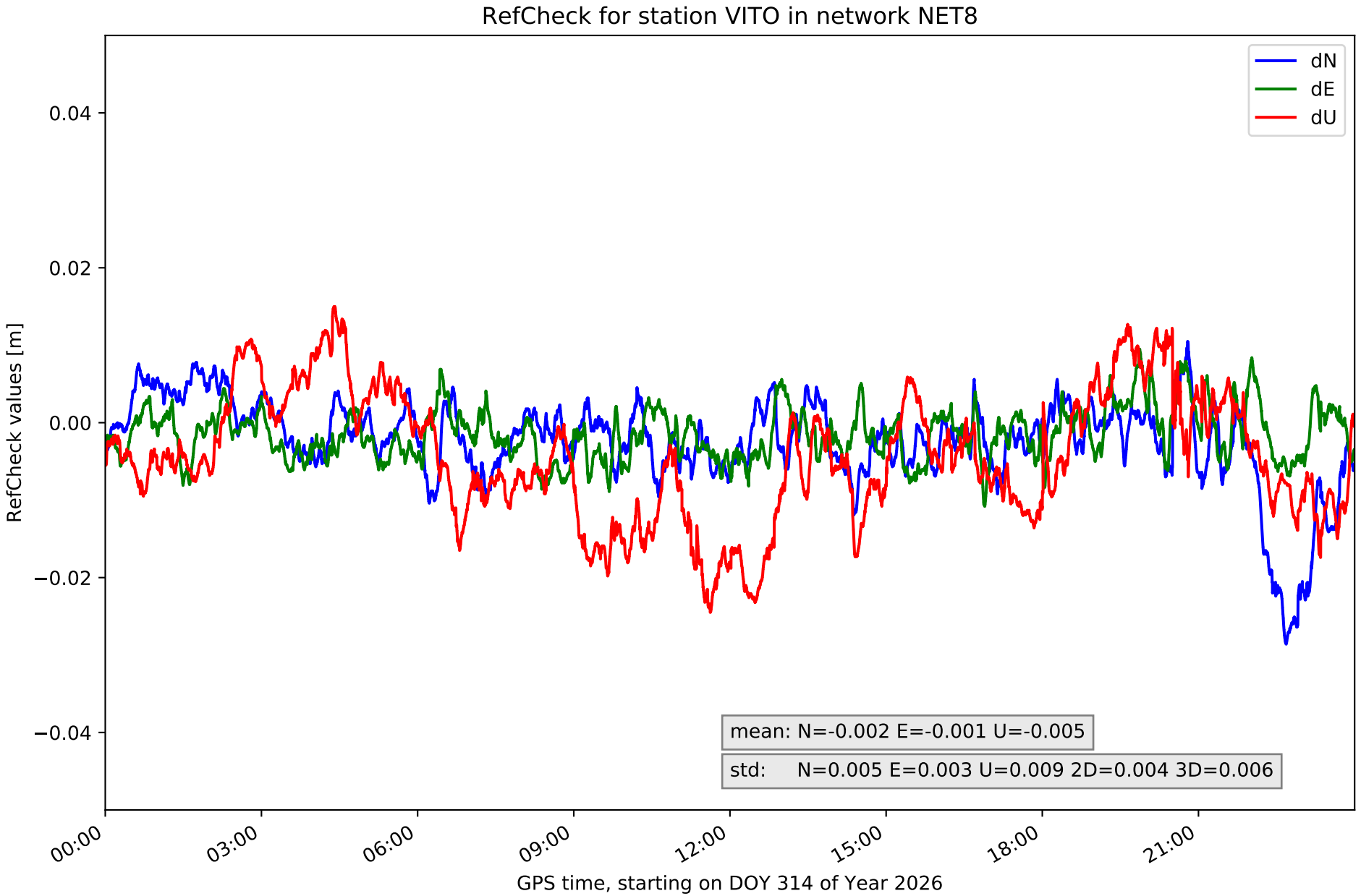

RefCheck for station ORON in network NET8
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.001 E=-0.001 U=0.006
std: N=0.008 E=0.004 U=0.012 2D=0.005 3D=0.008
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026


RefCheck for station PASA in network NET8
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.001 E=-0.001 U=-0.001
std: N=0.007 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 314 of Year 2026


RefCheck for station SOPU in network NET8
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.008 E=-0.003 U=0.002
std: N=0.008 E=0.005 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 314 of Year 2026


RefCheck for station TAFA in network NET8
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.004 E=0.001 U=0.0
std: N=0.004 E=0.004 U=0.006 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 314 of Year 2026


RefCheck for station UPNA in network NET8
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=0.003 U=0.006
std: N=0.006 E=0.005 U=0.011 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 314 of Year 2026


RefCheck for station VITO in network NET8
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.002 E=-0.001 U=-0.005
std: N=0.005 E=0.003 U=0.009 2D=0.004 3D=0.006
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

RefCheck values for network NET8

Station	Nmin	Nmax	Nstd	Emin	Emax	Estd	Umin	Umax	Ustd	std2D	std3D	#2D > 0.01	% 2D > 0.01	#3D > 0.02	% 3D > 0.02
ALDA	-0.023	0.007	0.004	-0.006	0.013	0.003	-0.017	0.023	0.007	0.004	0.004	13174	22.9	1522	2.6
ALSA	-0.021	0.011	0.006	-0.012	0.016	0.004	-0.024	0.019	0.008	0.005	0.005	22774	39.6	6053	10.5
AMUR	-0.025	0.017	0.007	-0.024	0.01	**0.005**	-0.013	**0.043**	0.011	0.005	0.007	**32982**	**57.4**	**15416**	**26.8**
ELGE	-0.018	0.013	0.006	-0.018	0.019	**0.005**	-0.018	0.031	0.009	0.004	0.005	16355	28.5	3626	6.3
ESTE	-0.014	0.013	0.004	-0.013	0.009	0.004	-0.024	0.009	0.006	0.003	0.005	3086	5.4	886	1.5
HOND	**-0.031**	0.018	0.006	**-0.025**	0.007	**0.005**	-0.026	0.022	0.008	0.005	0.006	12748	22.2	5445	9.5
ISPS	-0.014	0.026	0.006	-0.018	0.011	0.004	-0.031	0.024	0.01	0.004	0.006	12312	21.4	5434	9.5
KAST	-0.028	0.014	0.007	-0.019	0.012	**0.005**	-0.033	0.013	0.009	0.005	0.007	21622	37.6	9986	17.4
LEIT	-0.022	**0.028**	**0.009**	-0.007	**0.021**	**0.005**	-0.018	0.033	0.01	**0.006**	0.006	25419	44.3	9459	16.5
MIBR	-0.017	0.009	0.004	-0.014	0.007	0.004	-0.02	0.028	0.01	0.003	0.006	5900	10.3	8846	15.4
ORON	-0.024	0.021	0.008	-0.014	0.012	0.004	-0.025	0.037	**0.012**	0.005	**0.008**	15982	27.8	12761	22.2
PASA	-0.016	0.02	0.007	-0.018	0.011	**0.005**	-0.024	0.022	0.009	0.004	0.005	13417	23.4	3465	6.0
SOPU	-0.013	0.026	0.008	-0.021	0.017	**0.005**	-0.033	0.039	**0.012**	0.005	0.007	32693	56.9	15236	26.5
TAFA	-0.016	0.012	0.004	-0.01	0.01	0.004	-0.017	0.016	0.006	0.003	0.003	3783	6.6	0	0.0
UPNA	-0.016	0.02	0.006	-0.01	0.018	**0.005**	**-0.036**	0.032	0.011	0.005	0.007	12940	22.5	9457	16.5
VITO	-0.029	0.011	0.005	-0.011	0.009	0.003	-0.025	0.015	0.009	0.004	0.006	3422	6.0	4321	7.5
Mean	**-0.02**	**0.017**	**0.006**	**-0.015**	**0.013**	**0.004**	**-0.024**	**0.025**	**0.009**	**0.004**	**0.006**	**15538.1**	**27.0**	**6994.6**	**12.2**
Min/Max	**-0.031**	**0.028**	**0.009**	**-0.025**	**0.021**	**0.005**	**-0.036**	**0.043**	**0.012**	**0.006**	**0.008**	**32982**	**57.4**	**15416**	**26.8**

fixing statistic for network NET8

fixing percentage of	all GNSS	G	R	E	C
using threshold 0.3	93.0	94.1	93.2	94.9	89.4
considering satellites with dual-frequency fixed	88.5	89.6	88.7	90.8	84.9
considering all signals separately	88.4	89.7	88.7	90.9	83.0