summary for network NET8

timeperiod chosen: from 2026-11-12-00:00:00 until 2026-11-12-23:59:58

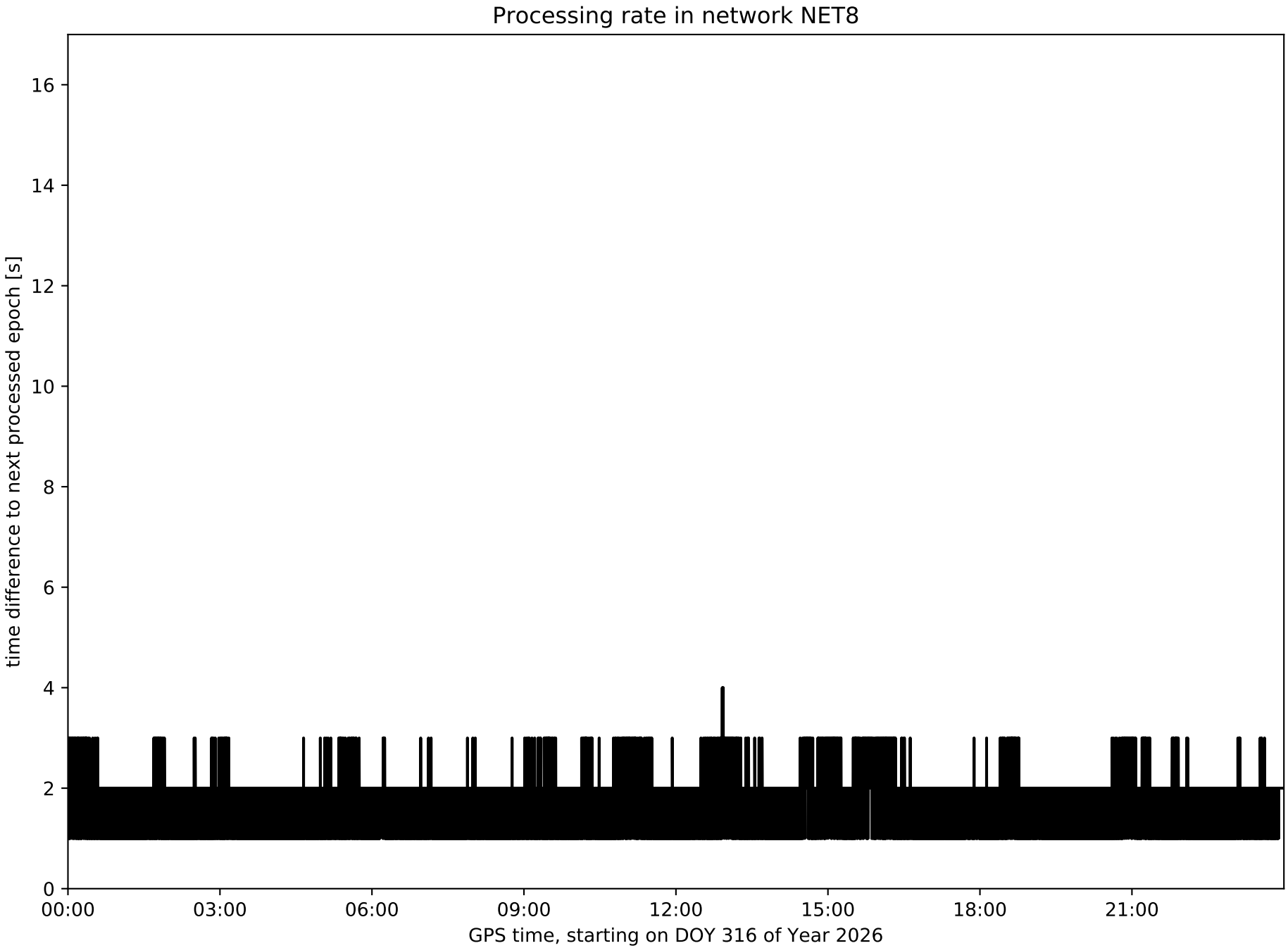
average update rate (durations larger than 15 seconds considered as observation gap): 1.3 seconds

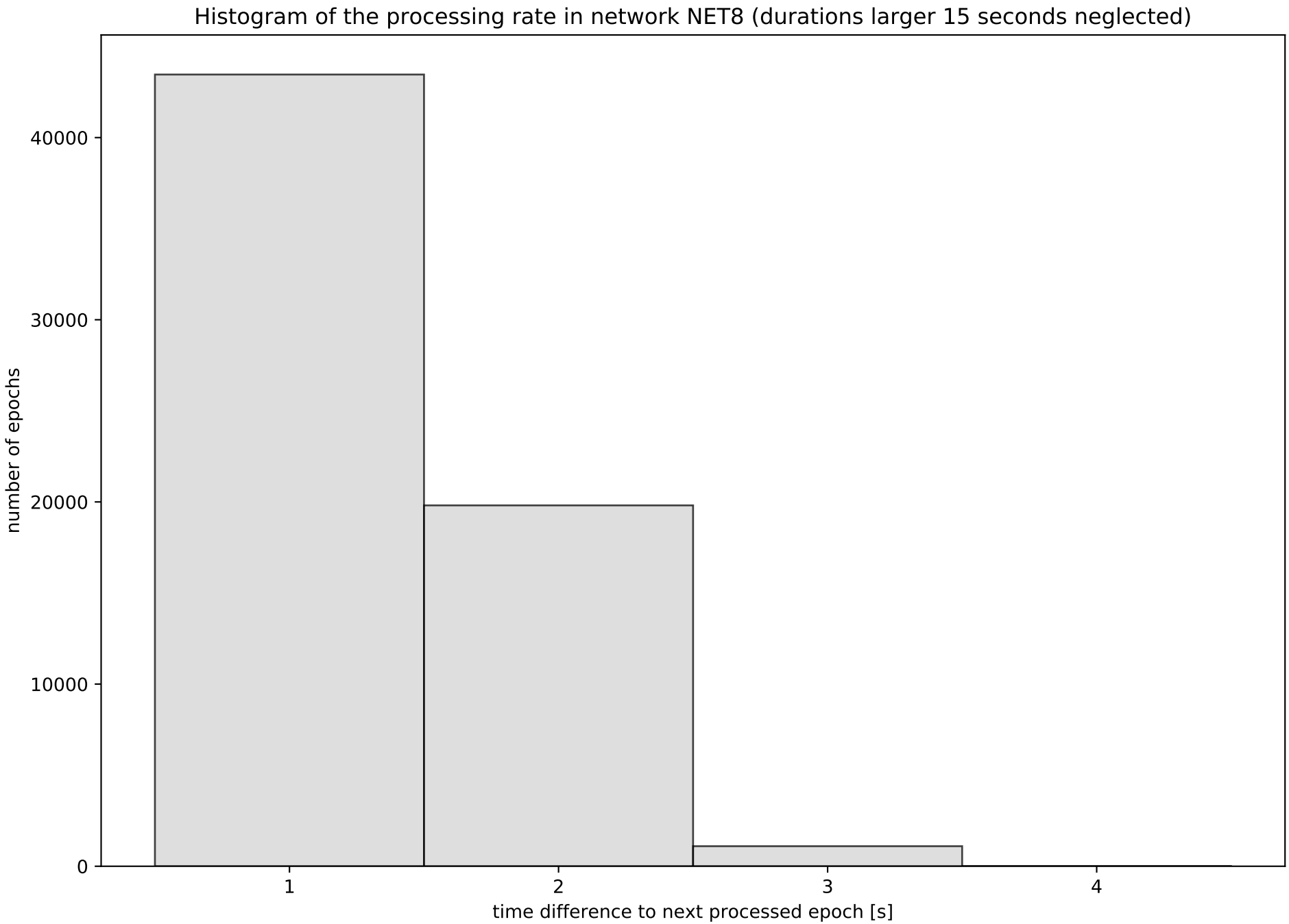
average fixing percentage with threshold set to 0.3: 95.0 percent

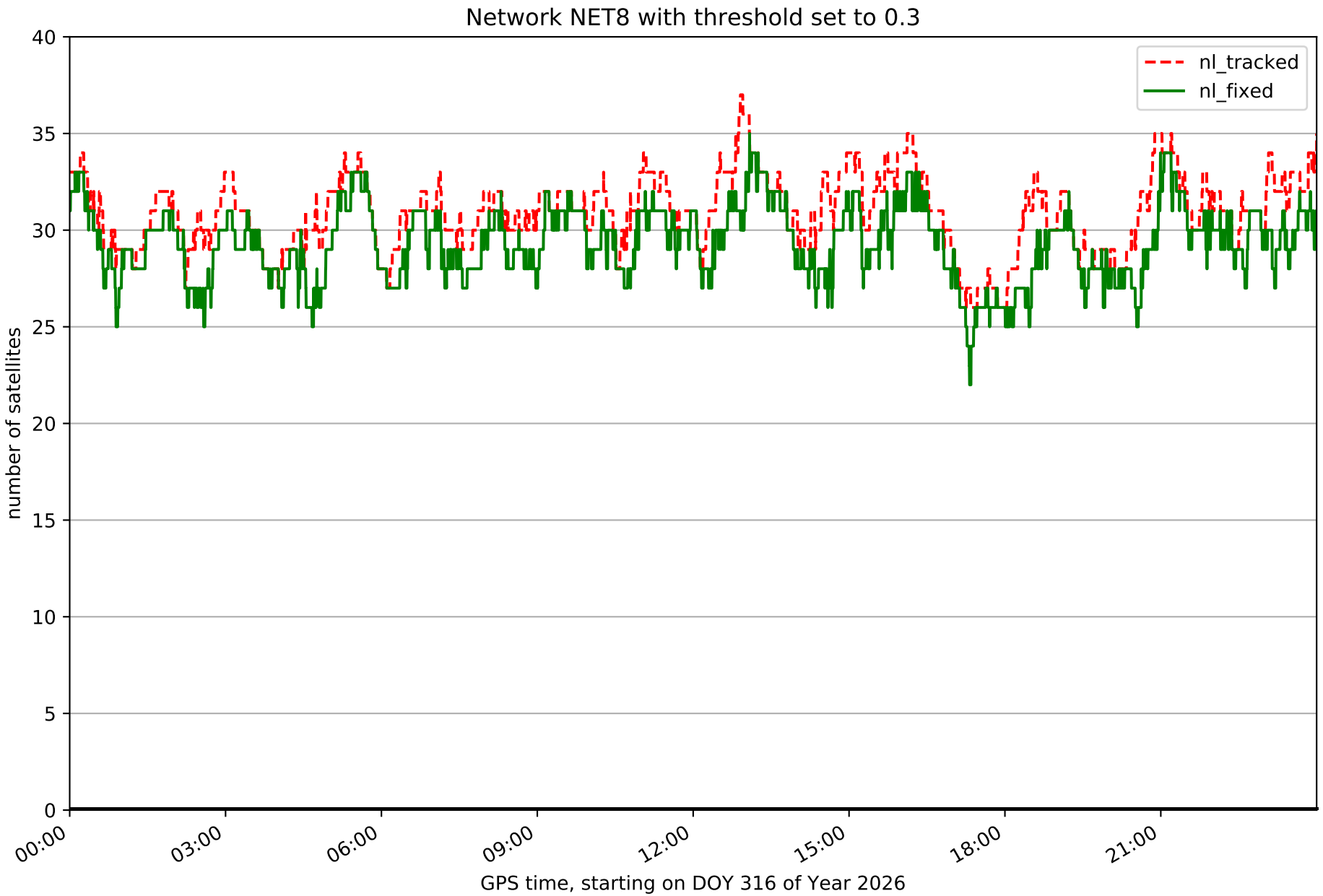
stations available: 16 of 16

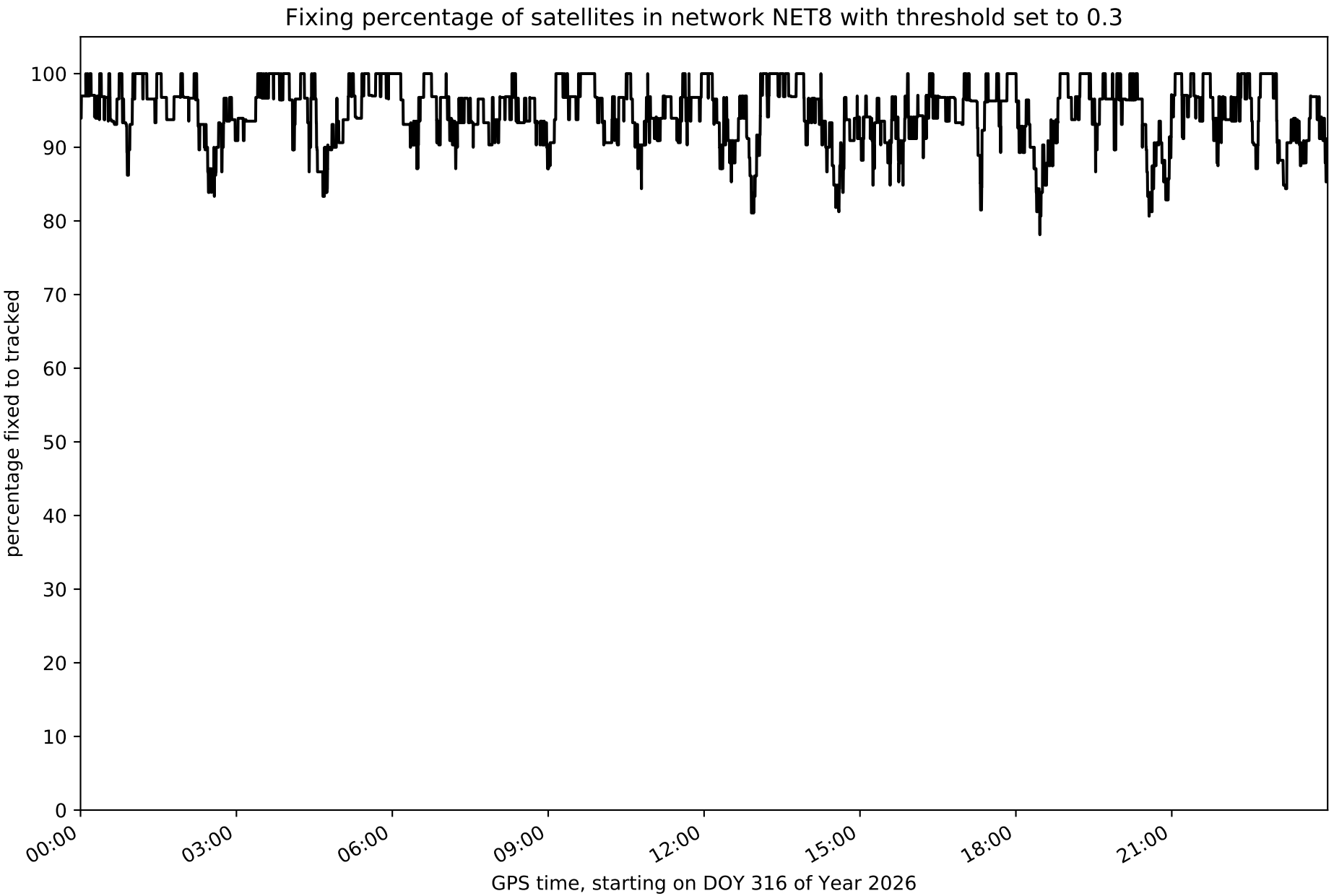
station information:

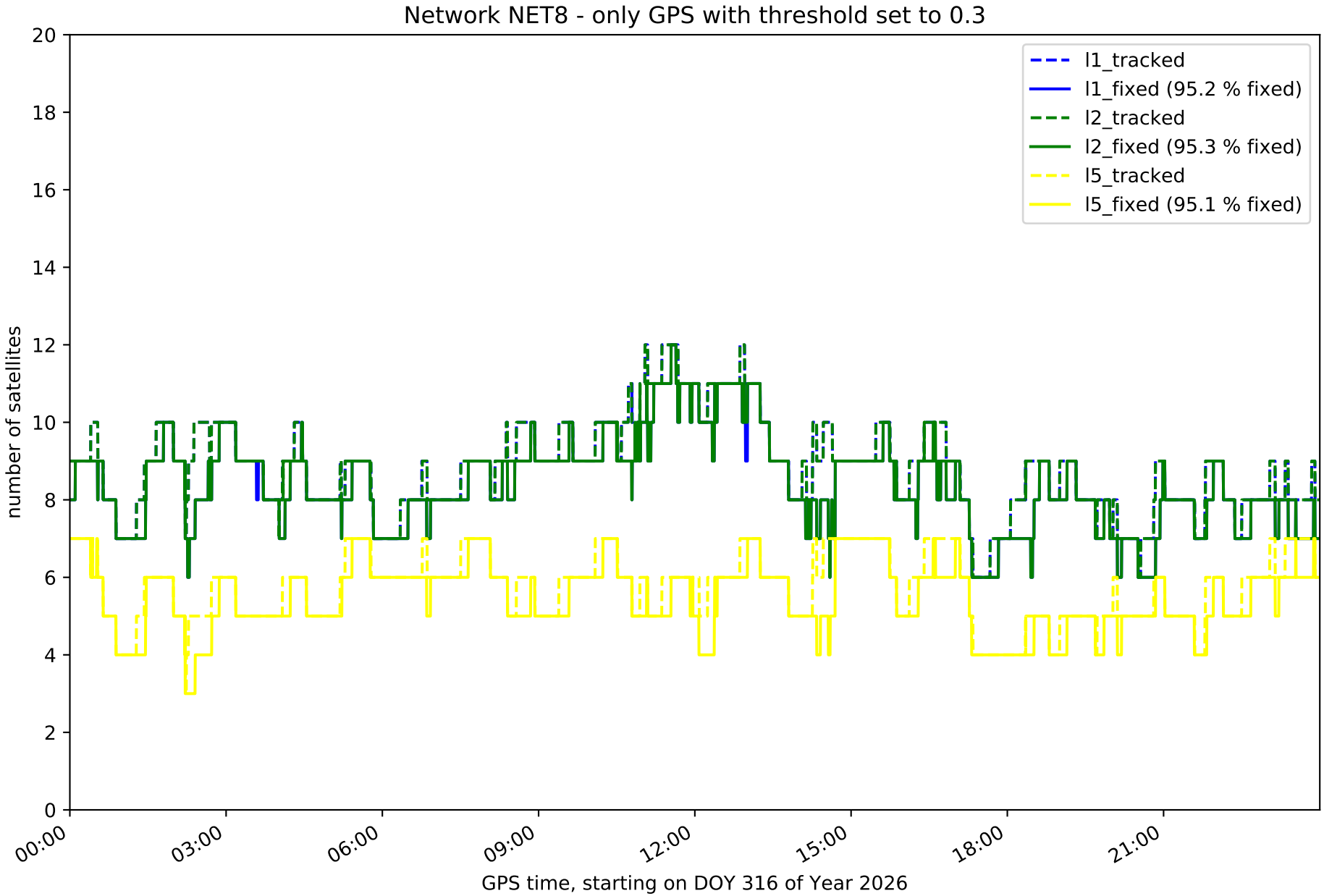
station ALDA:	antenna: GPPNULLANTENNA	NONE	receiver: LEICA GR30	height: 881.795
station ALSA:	antenna: GPPNULLANTENNA	NONE	receiver: LEICA GR50	height: 584.188
station AMUR:	antenna: GPPNULLANTENNA	NONE	receiver: LEICA GR30	height: 299.242
station ELGE:	antenna: GPPNULLANTENNA	NONE	receiver: LEICA GR30	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

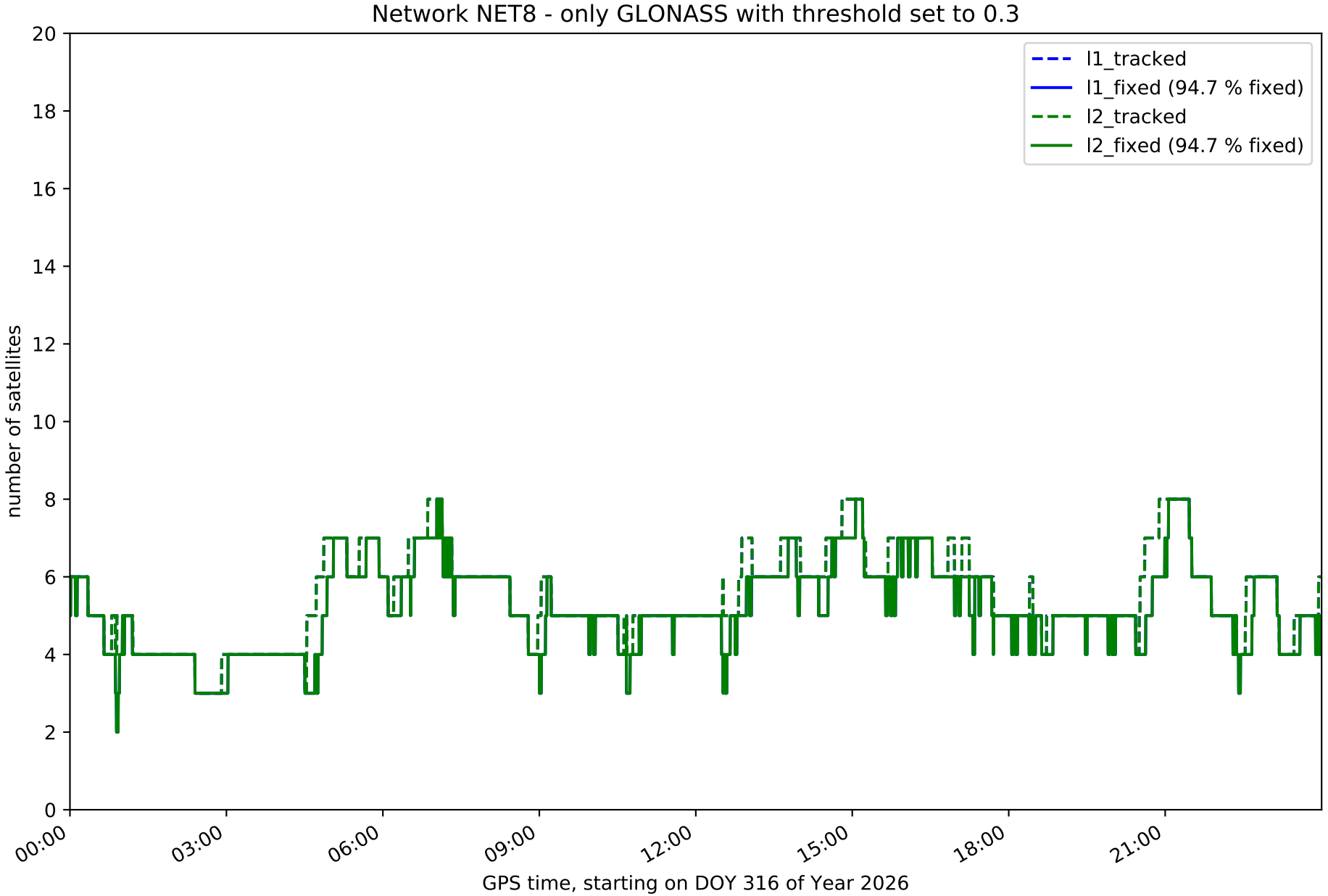

Processing rate in network NET8
time difference to next processed epoch [s]
0
2
4
6
8
10
12
14
16
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

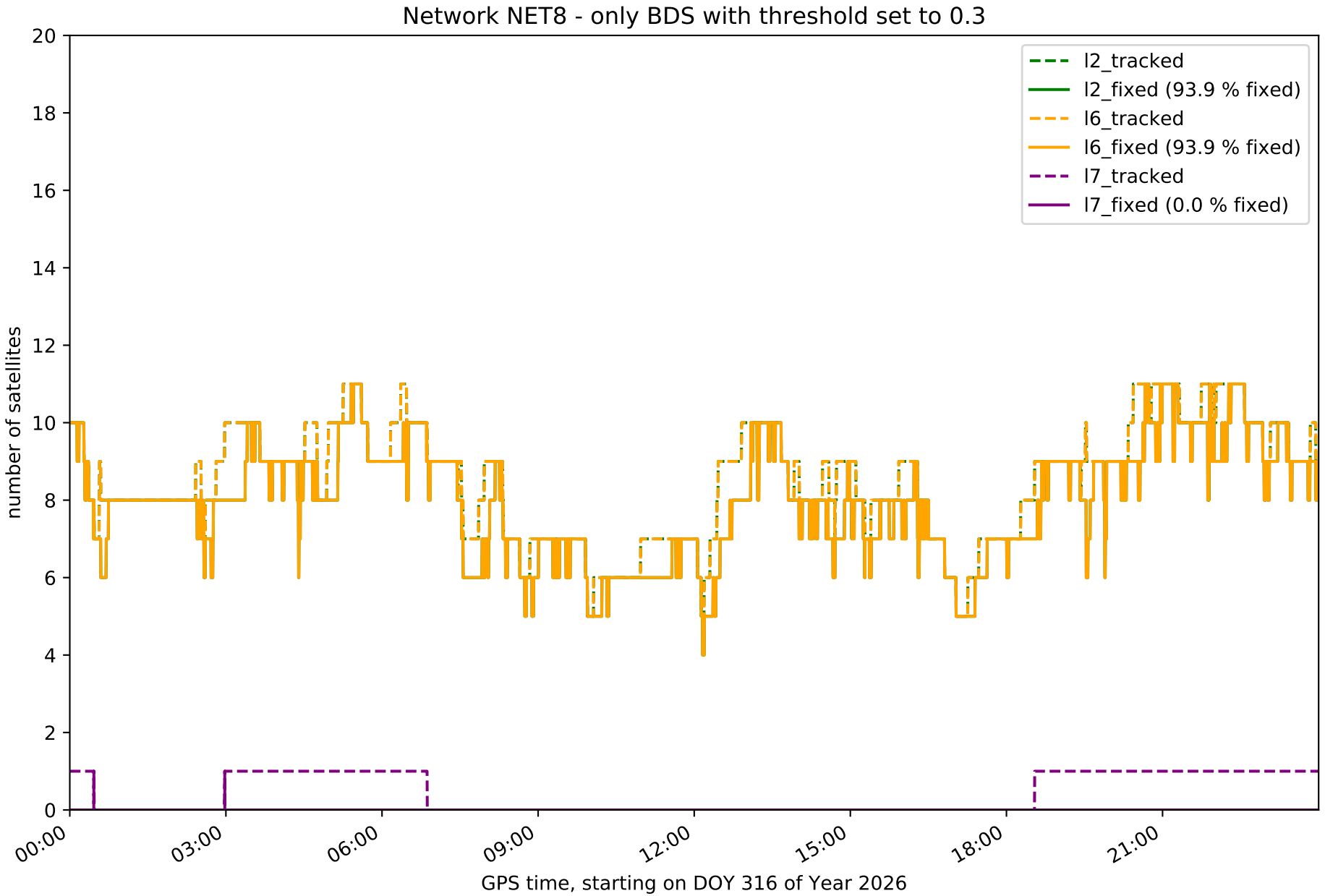

Histogram of the processing rate in network NET8 (durations larger 15 seconds neglected)
number of epochs
0
10000
20000
30000
40000
1
2
3
4
time difference to next processed epoch [s]

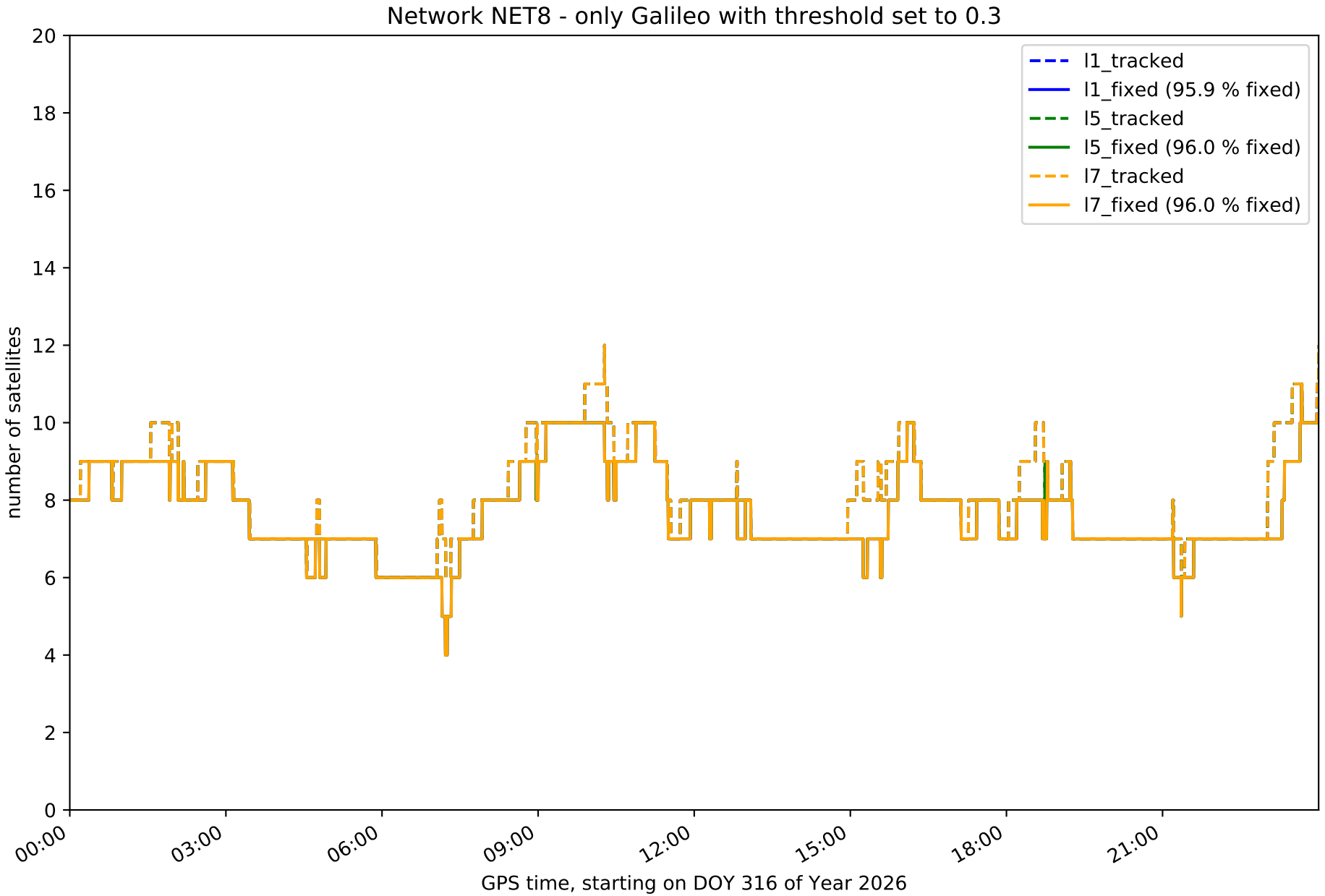

Network NET8 with threshold set to 0.3
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
40
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

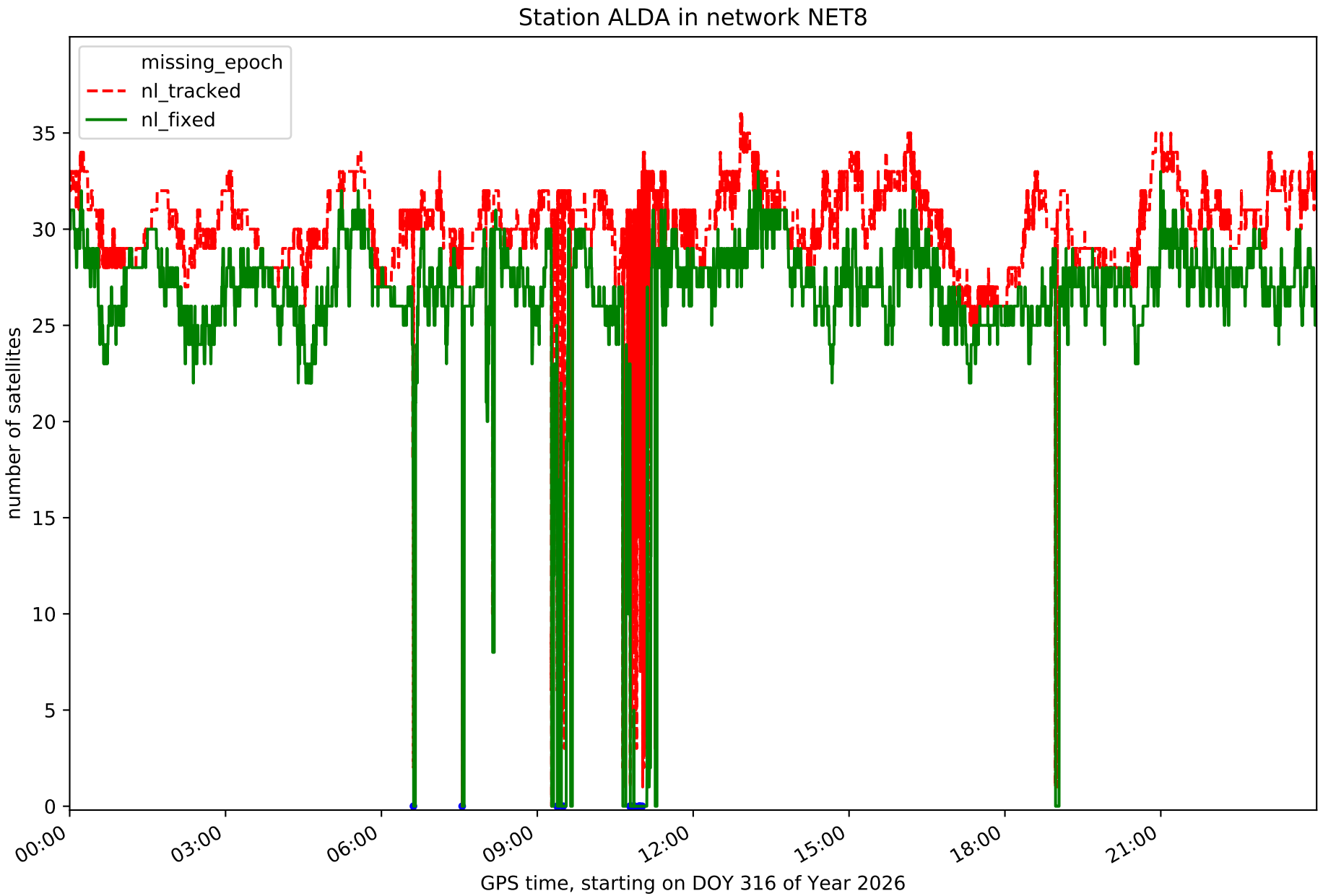

Fixing percentage of satellites in network NET8 with threshold set to 0.3
percentage fixed to tracked
100
90
80
70
60
50
40
30
20
10
0
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

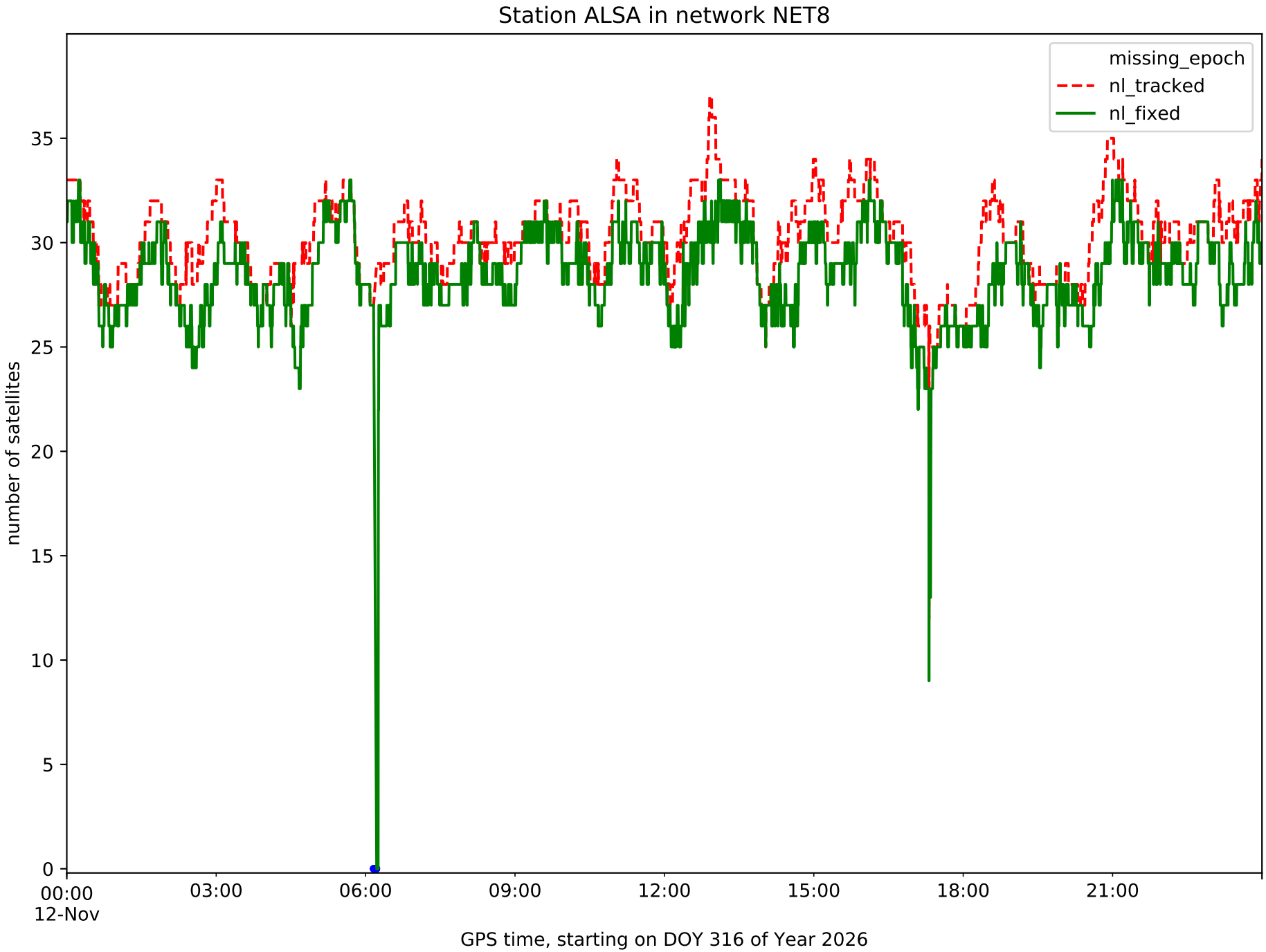

Network NET8 - only GPS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 316 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
l1_tracked
l1_fixed (95.2 % fixed)
l2_tracked
l2_fixed (95.3 % fixed)
l5_tracked
l5_fixed (95.1 % fixed)

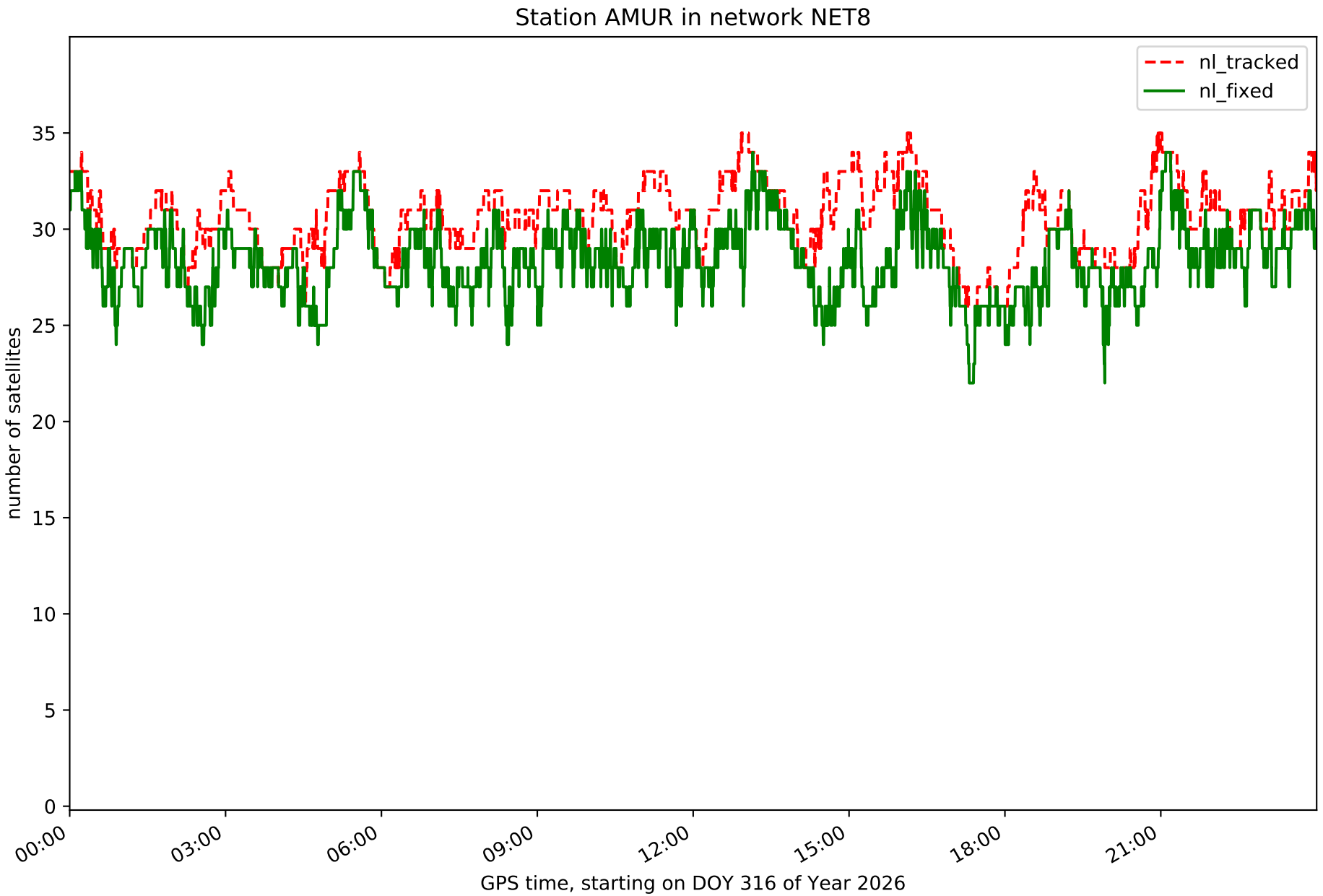

Network NET8 - only GLONASS with threshold set to 0.3
l1_tracked
l1_fixed (94.7 % fixed)
l2_tracked
l2_fixed (94.7 % fixed)
number of satellites
0
2
4
6
8
10
12
14
16
18
20
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

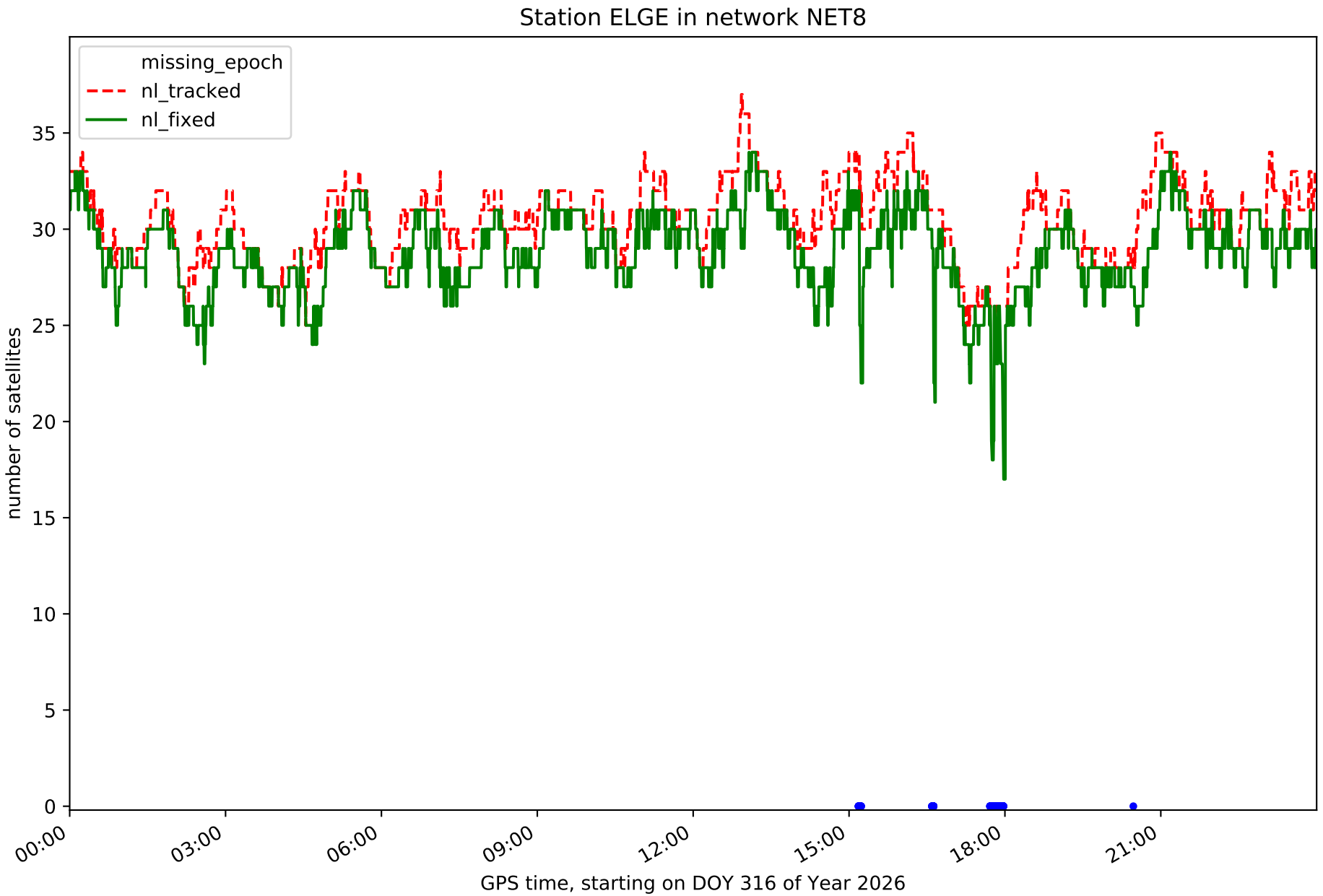

Network NET8 - only BDS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 316 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
I2_tracked
I2_fixed (93.9 % fixed)
I6_tracked
I6_fixed (93.9 % fixed)
I7_tracked
I7_fixed (0.0 % fixed)

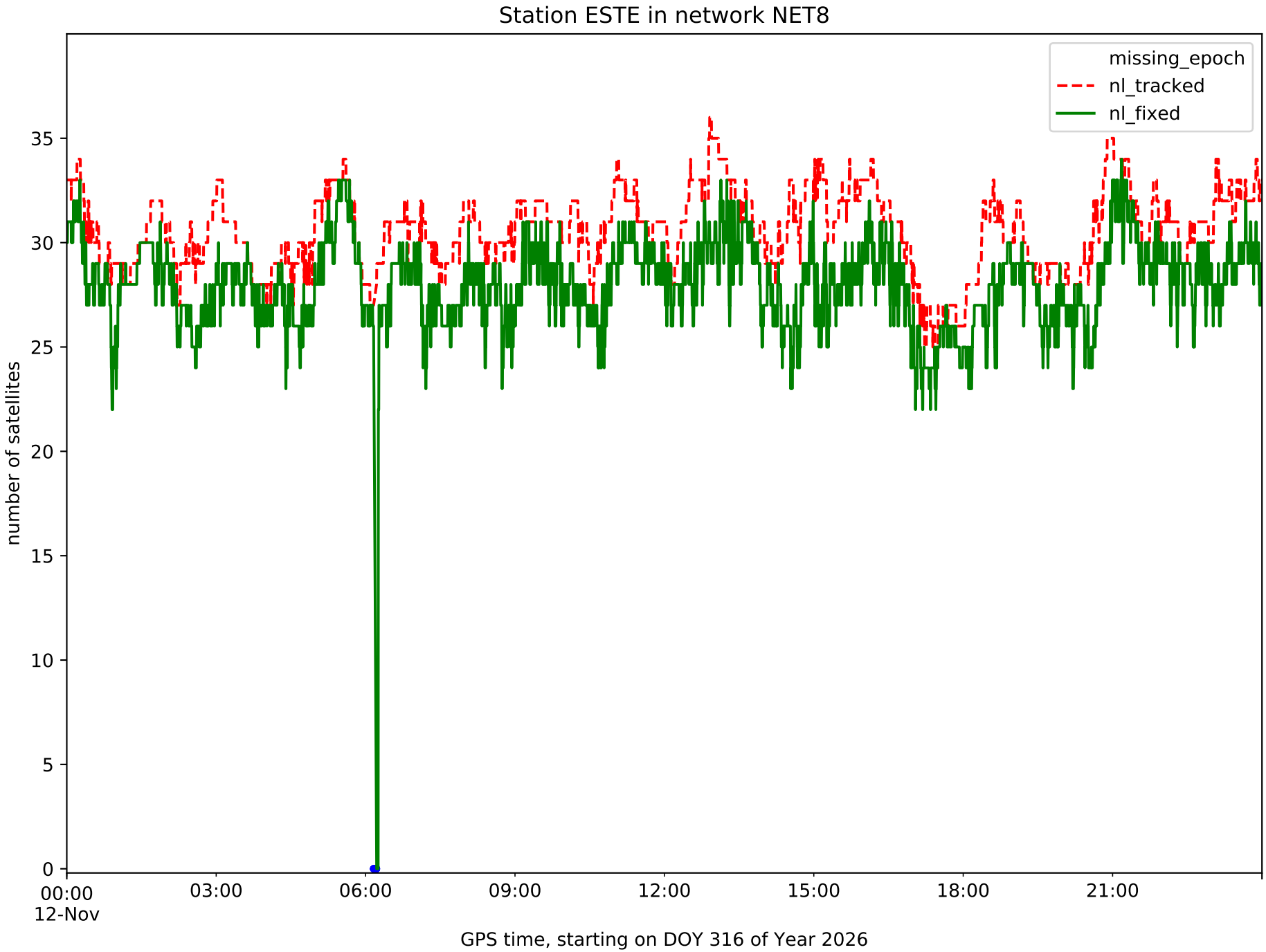

Network NET8 - only Galileo with threshold set to 0.3
number of satellites
GPS time, starting on DOY 316 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
l1_tracked
l1_fixed (95.9 % fixed)
l5_tracked
l5_fixed (96.0 % fixed)
l7_tracked
l7_fixed (96.0 % fixed)

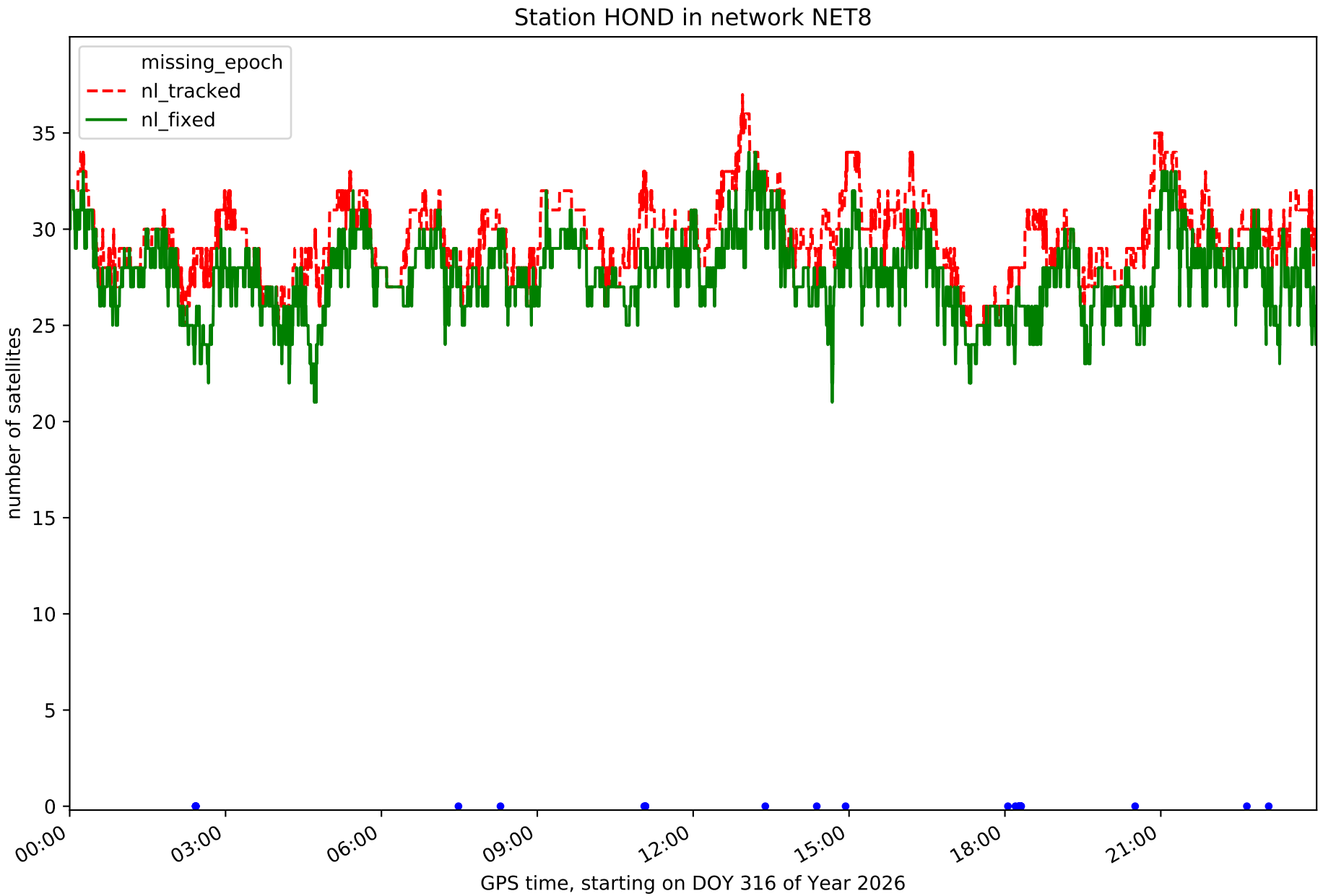

Station ALDA in network NET8
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

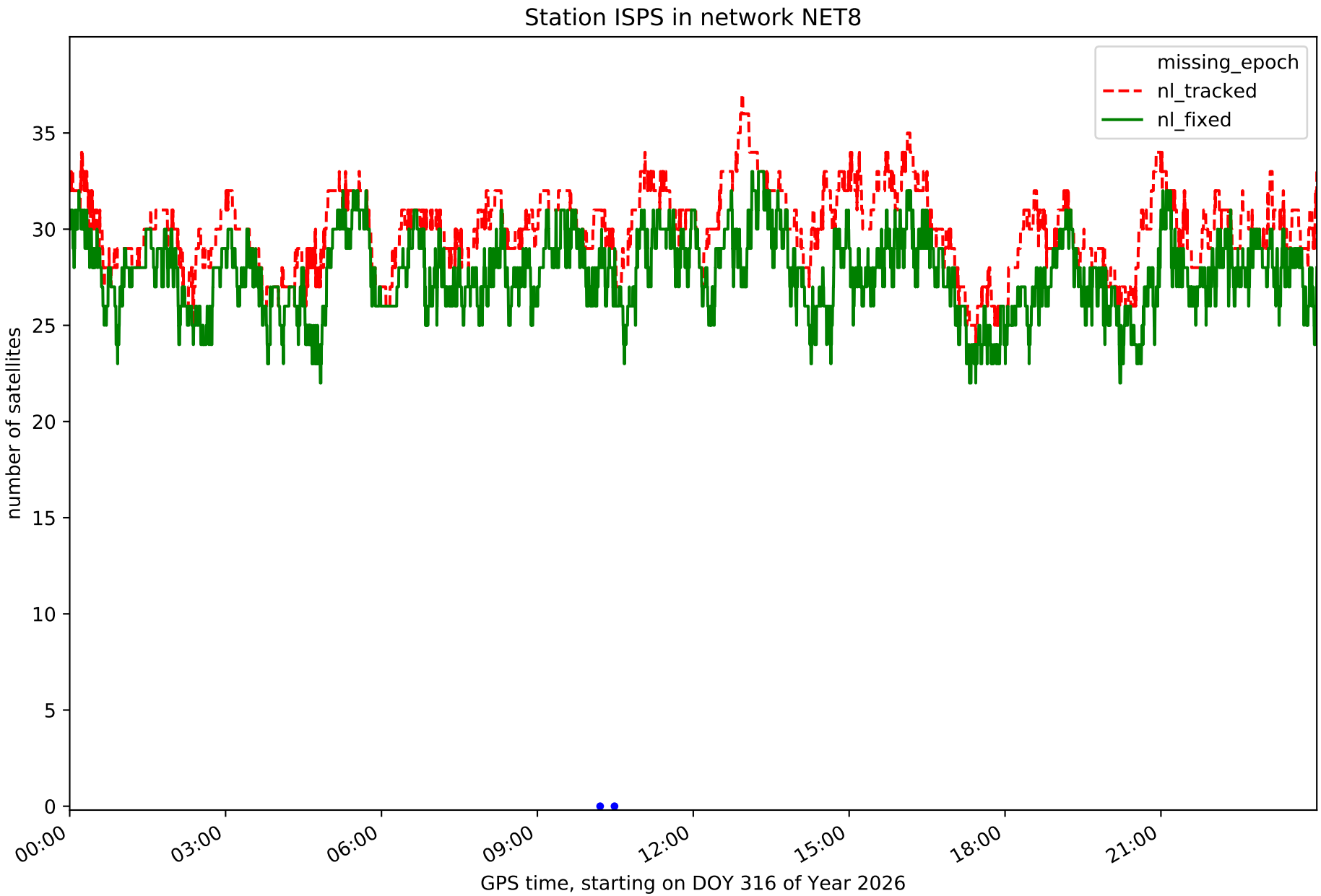

Station ALSA in network NET8
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
12-Nov
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

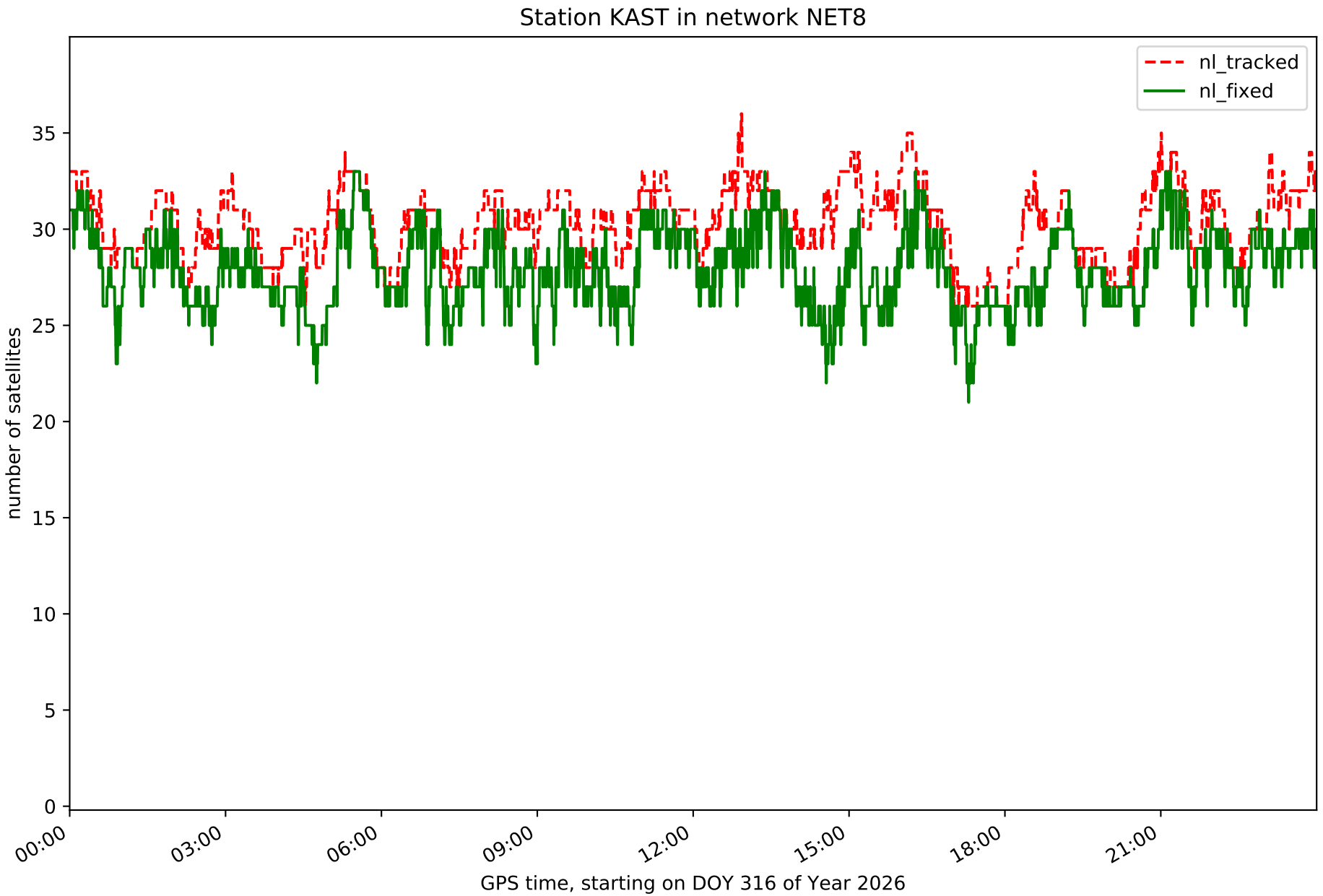

Station AMUR in network NET8
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

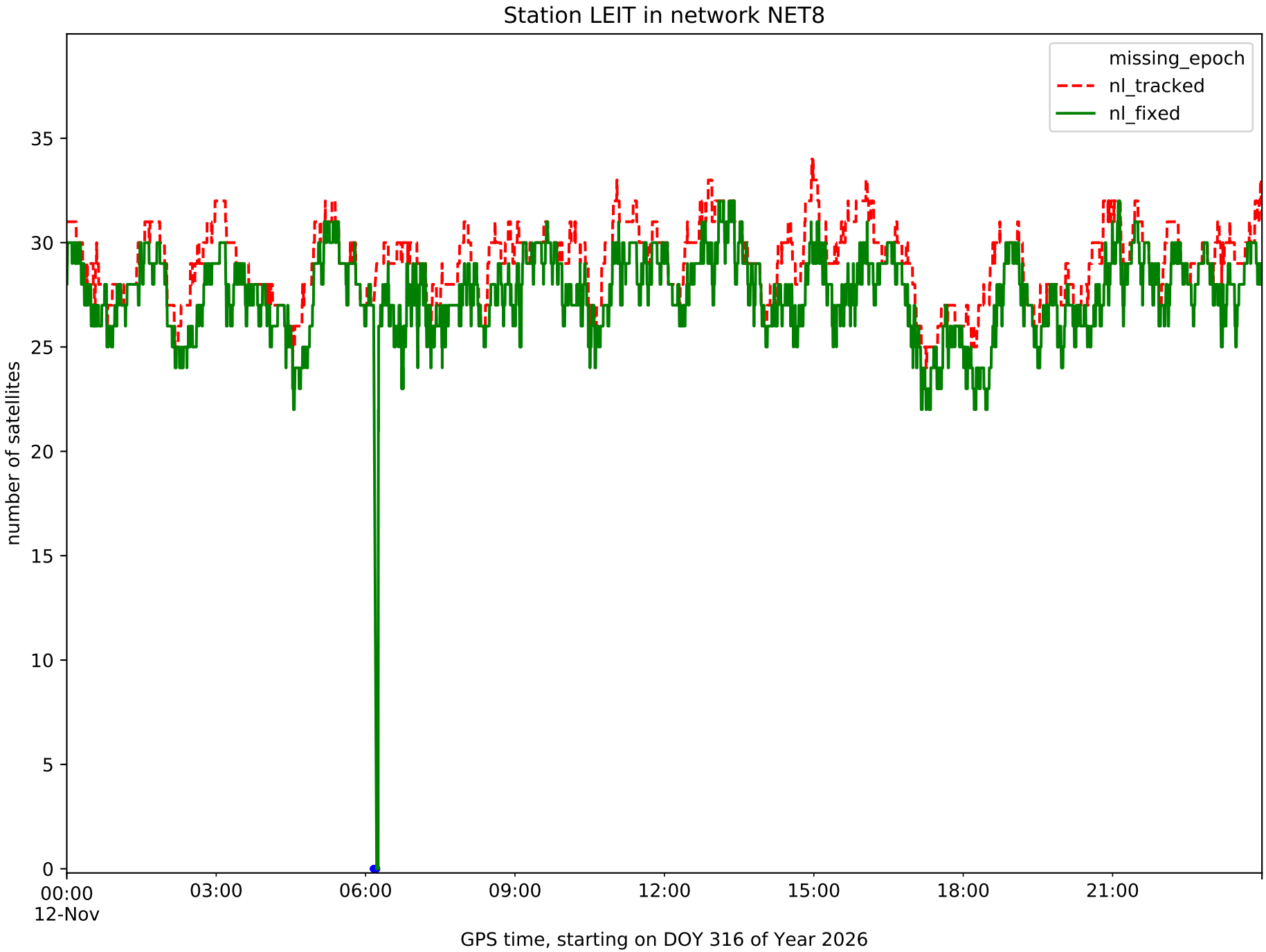

Station ELGE in network NET8
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

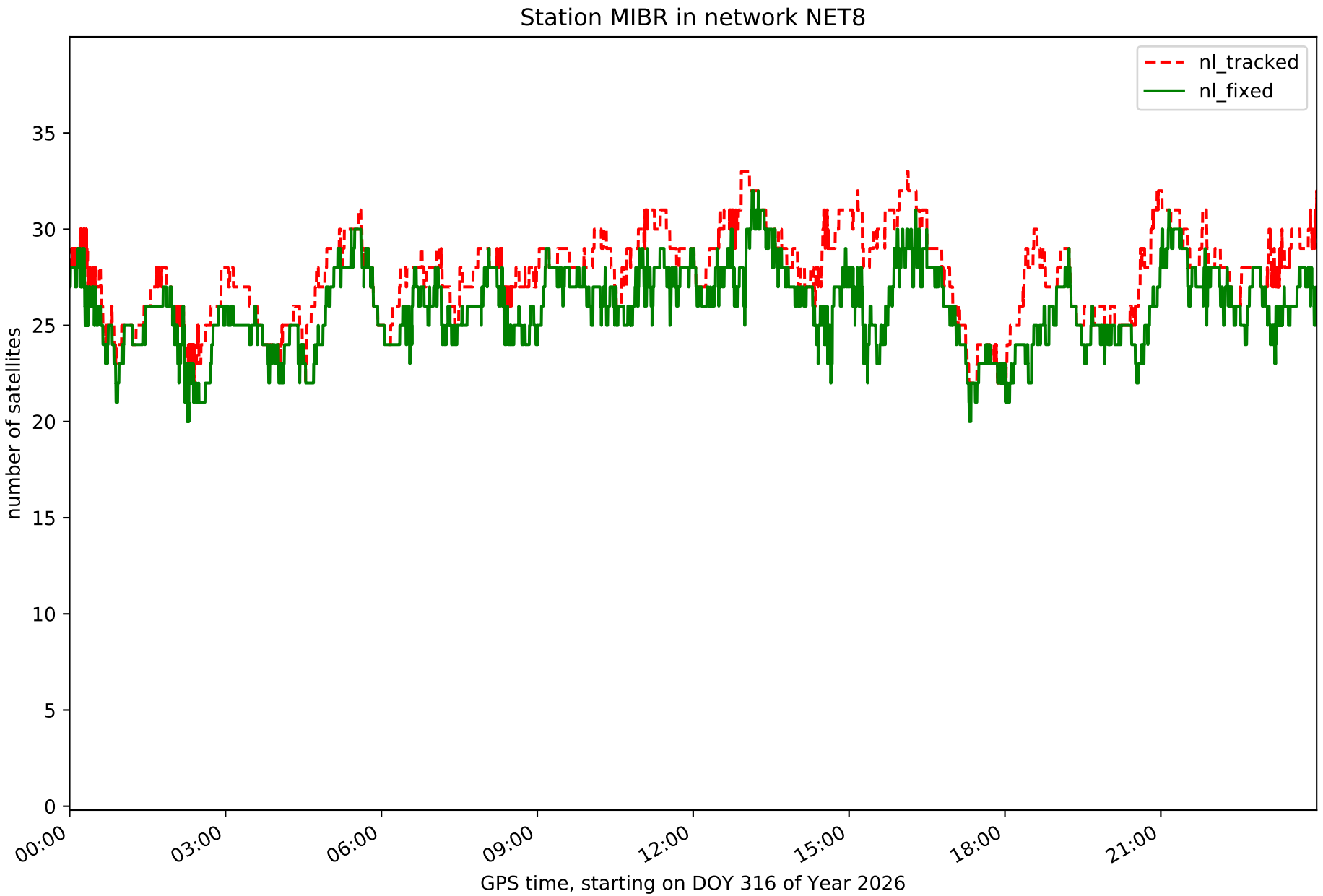

Station ESTE in network NET8
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
12-Nov
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

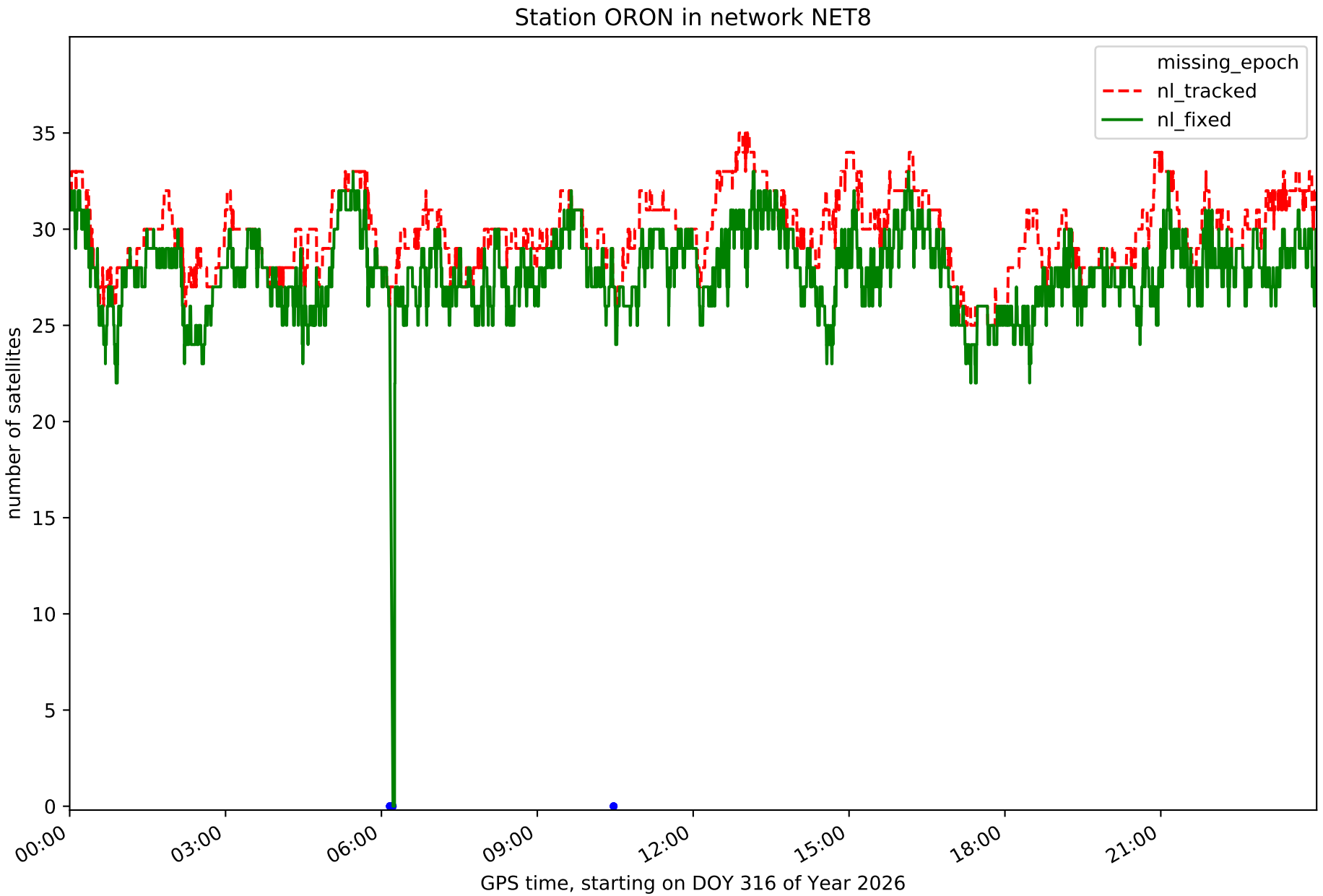

Station HOND in network NET8
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

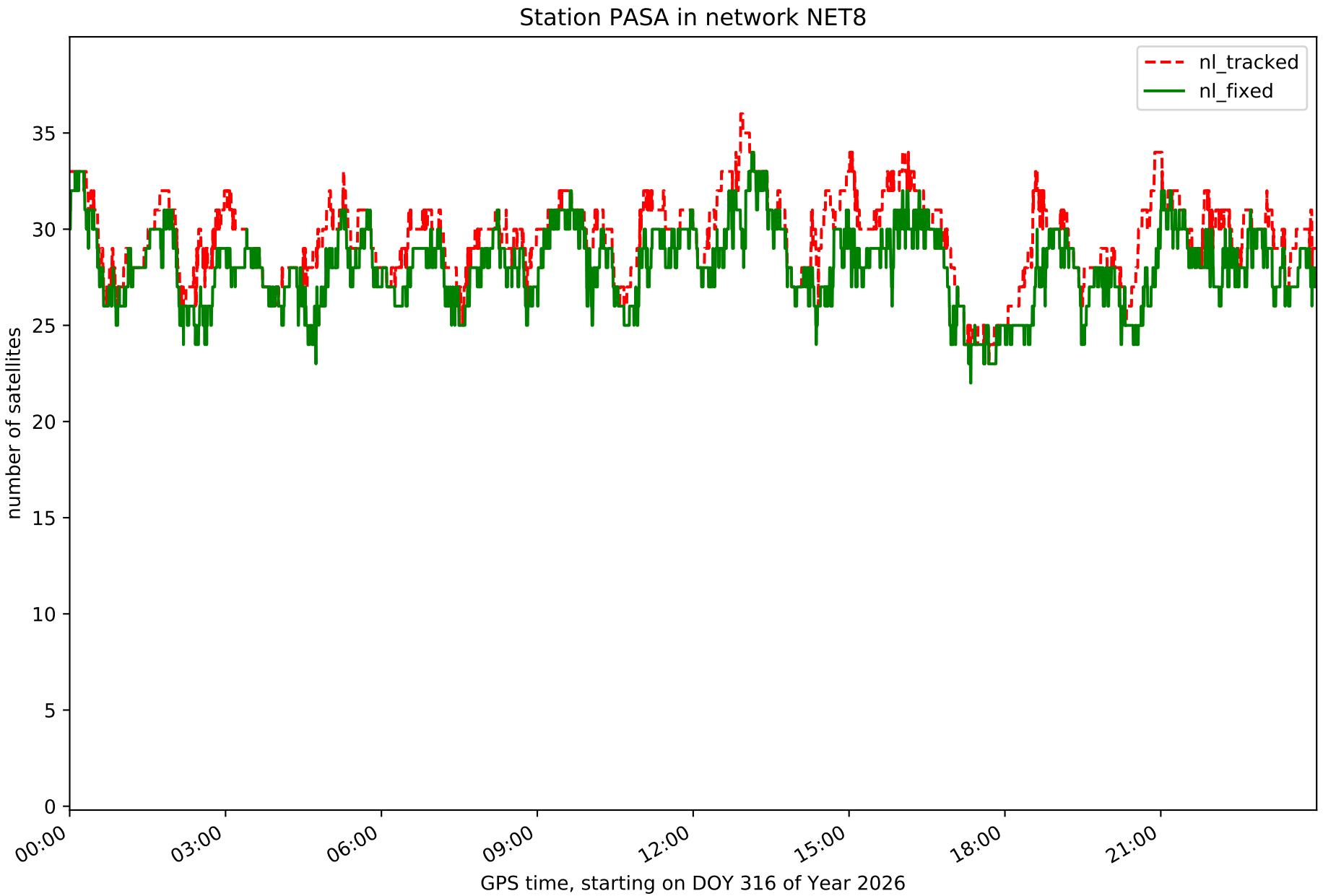

Station ISPS in network NET8
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

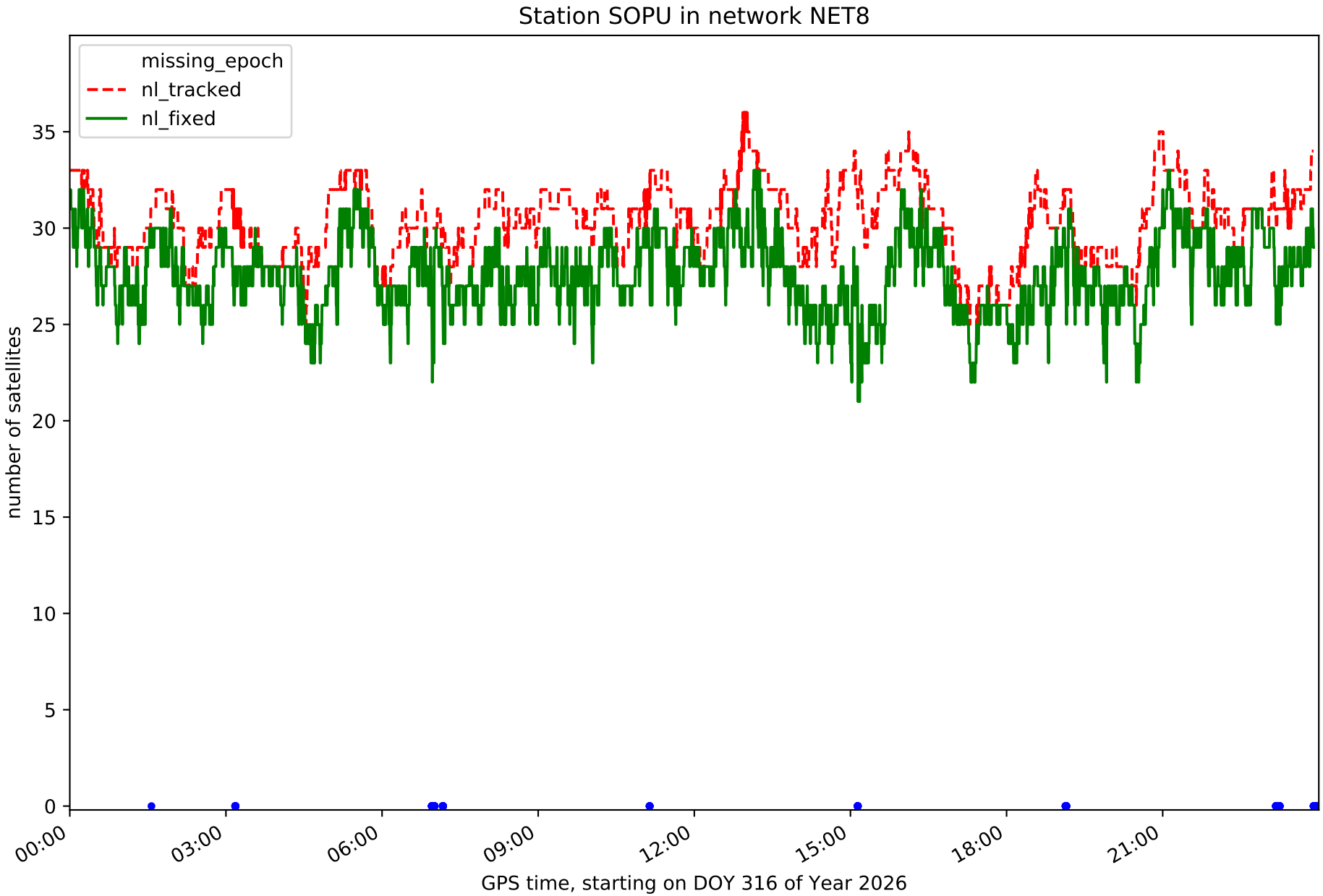

Station KAST in network NET8
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

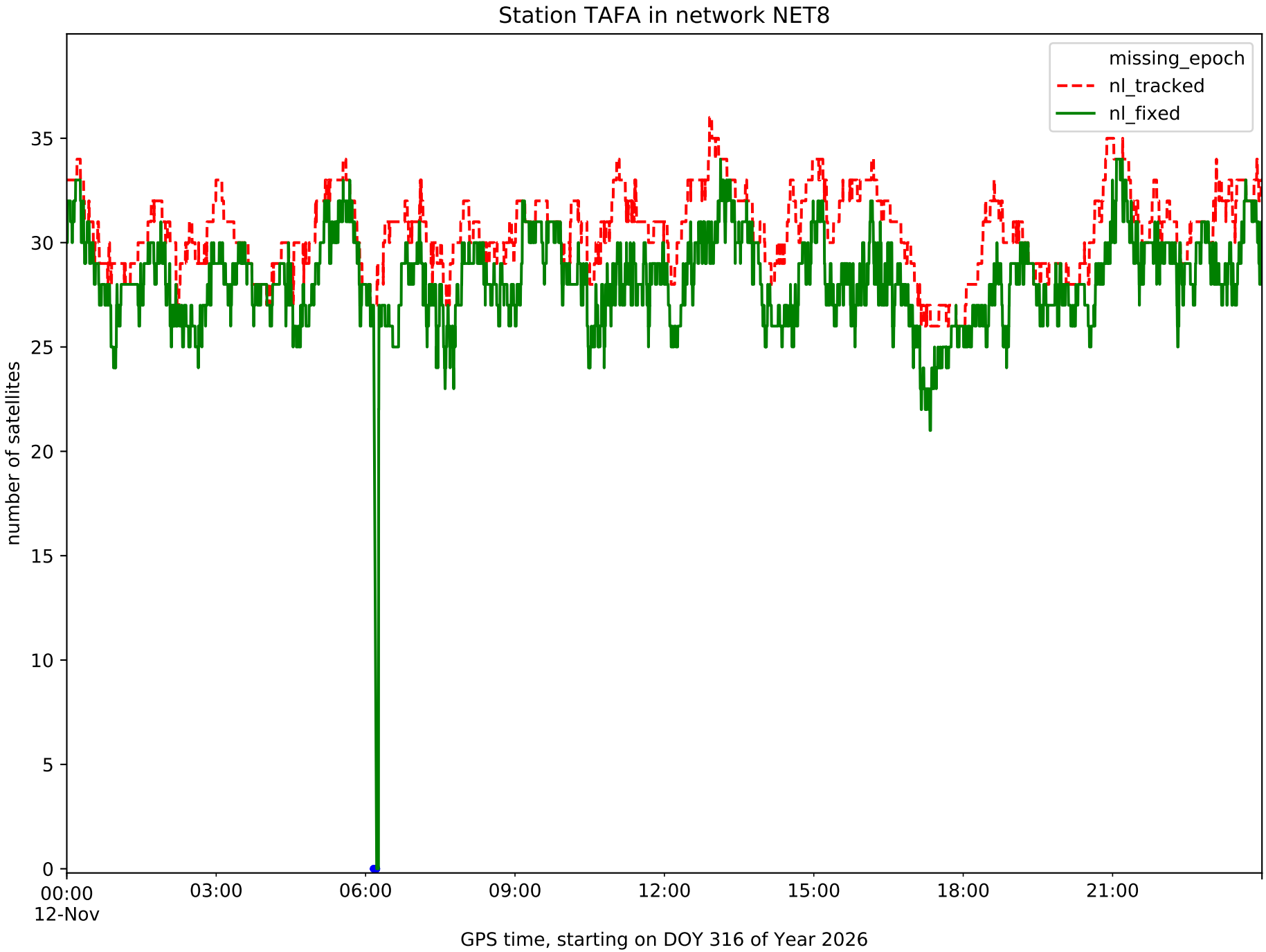

Station LEIT in network NET8
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
12-Nov
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

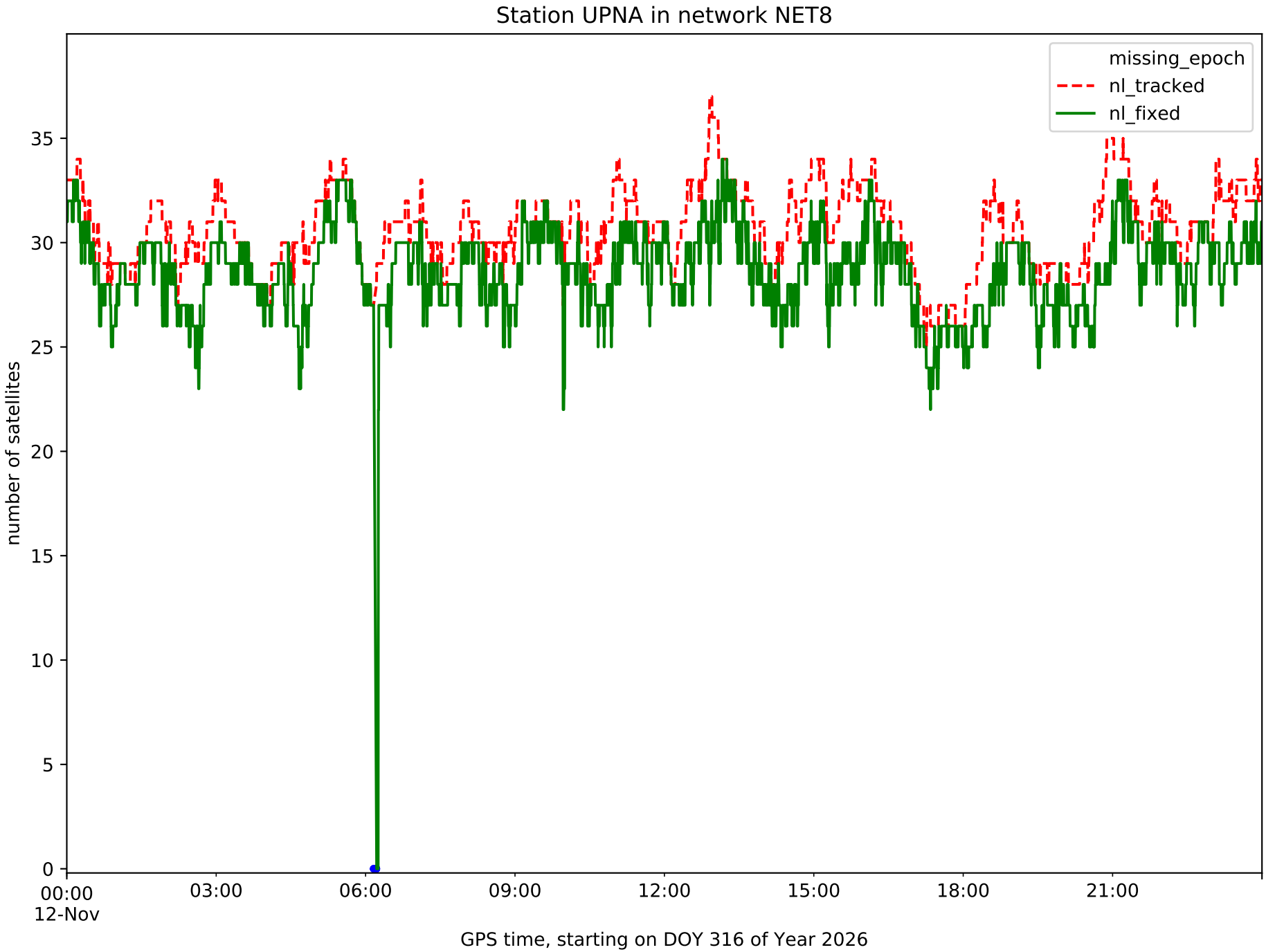

Station MIBR in network NET8
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

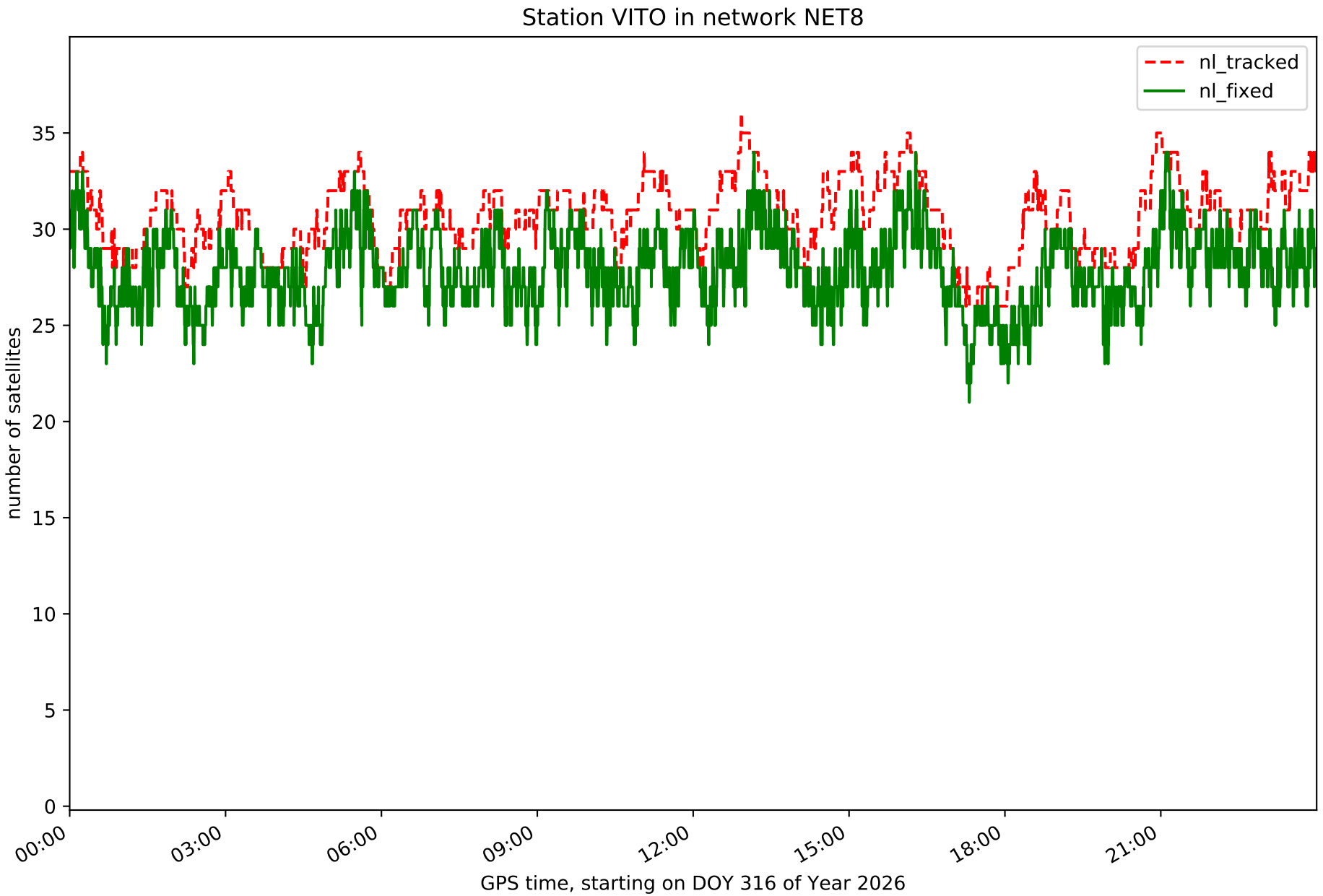

Station ORON in network NET8
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

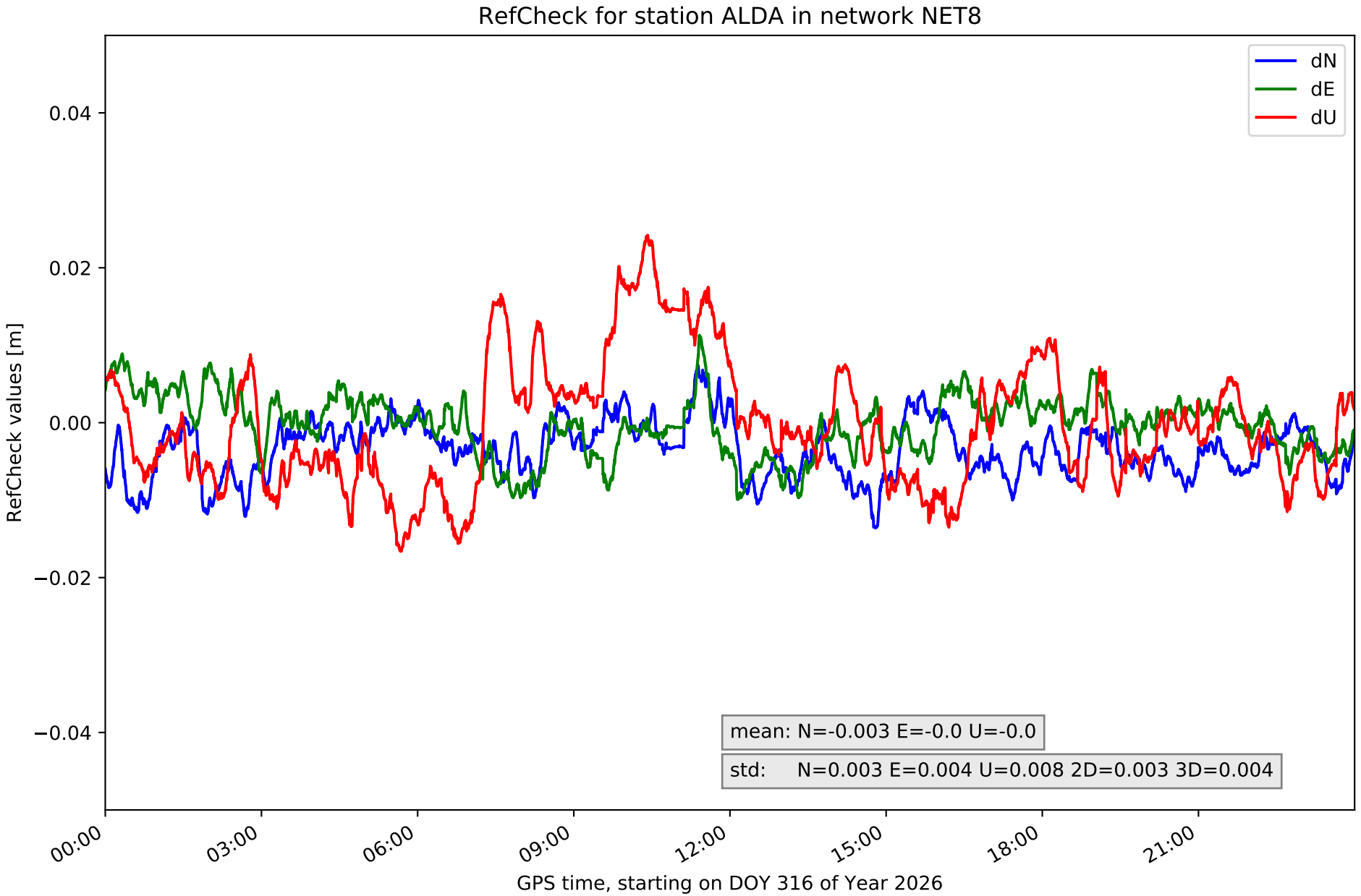

Station PASA in network NET8
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

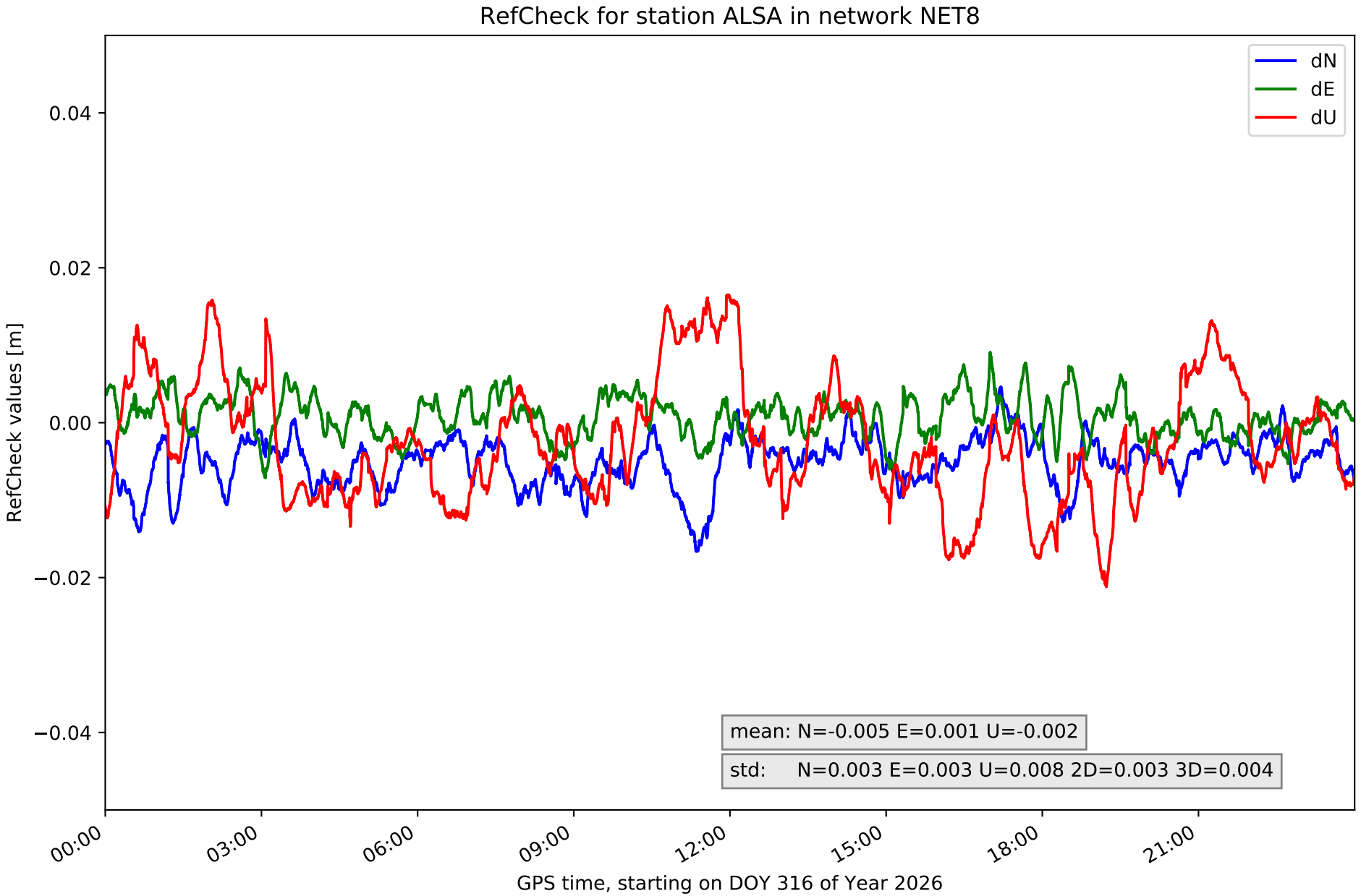

Station SOPU in network NET8
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

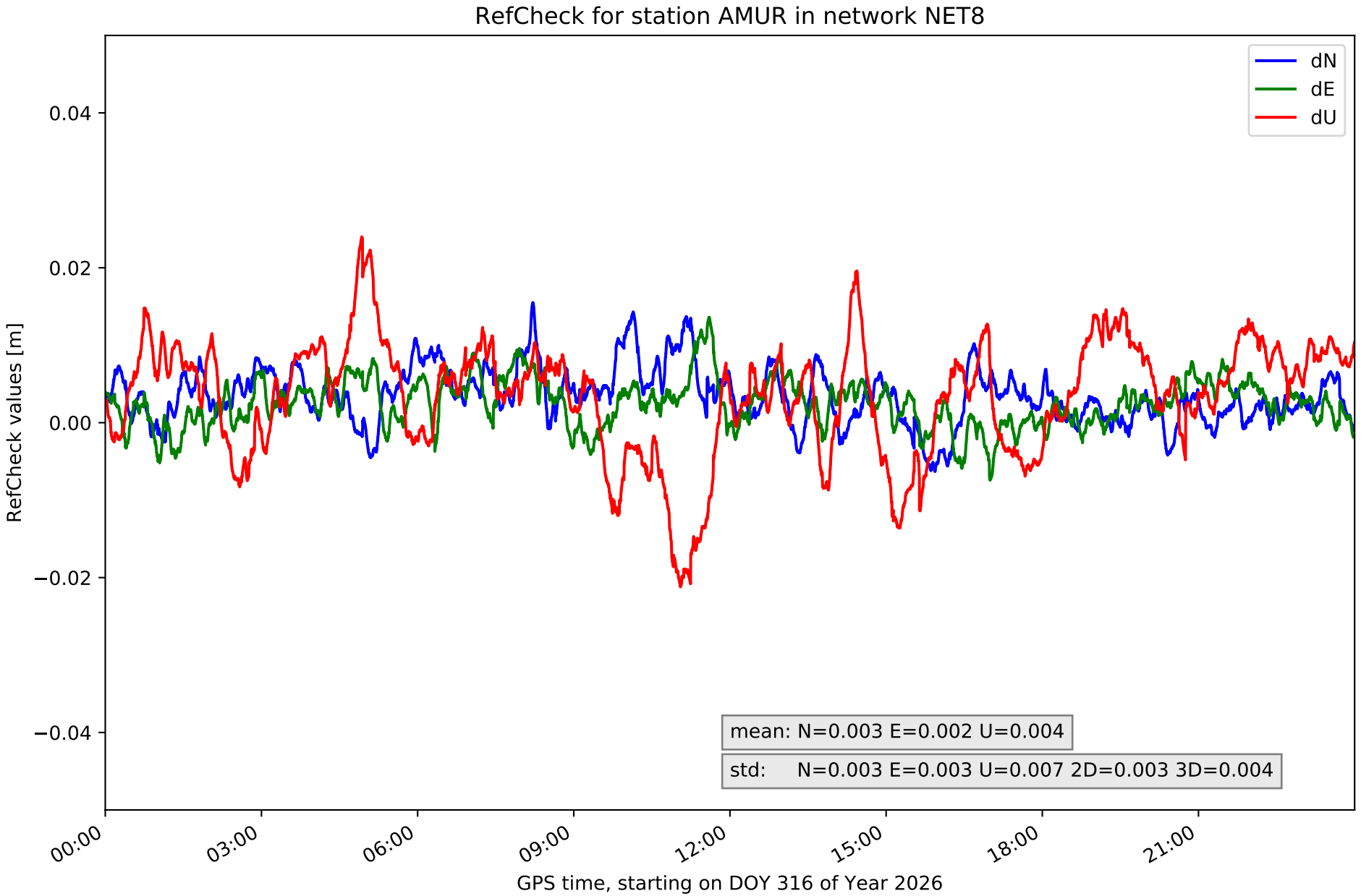

Station TAFA in network NET8
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
12-Nov
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

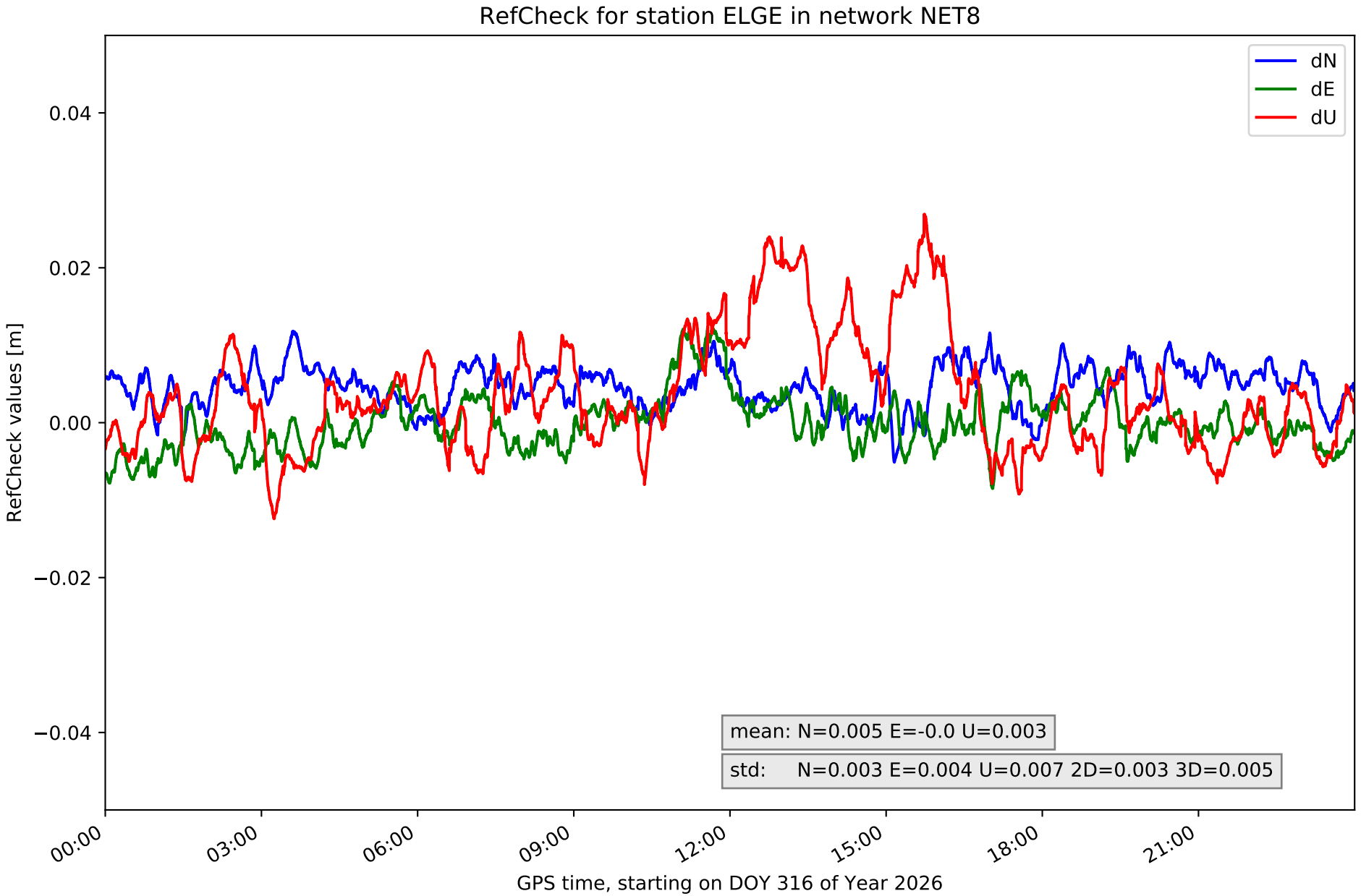

Station UPNA in network NET8
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
12-Nov
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

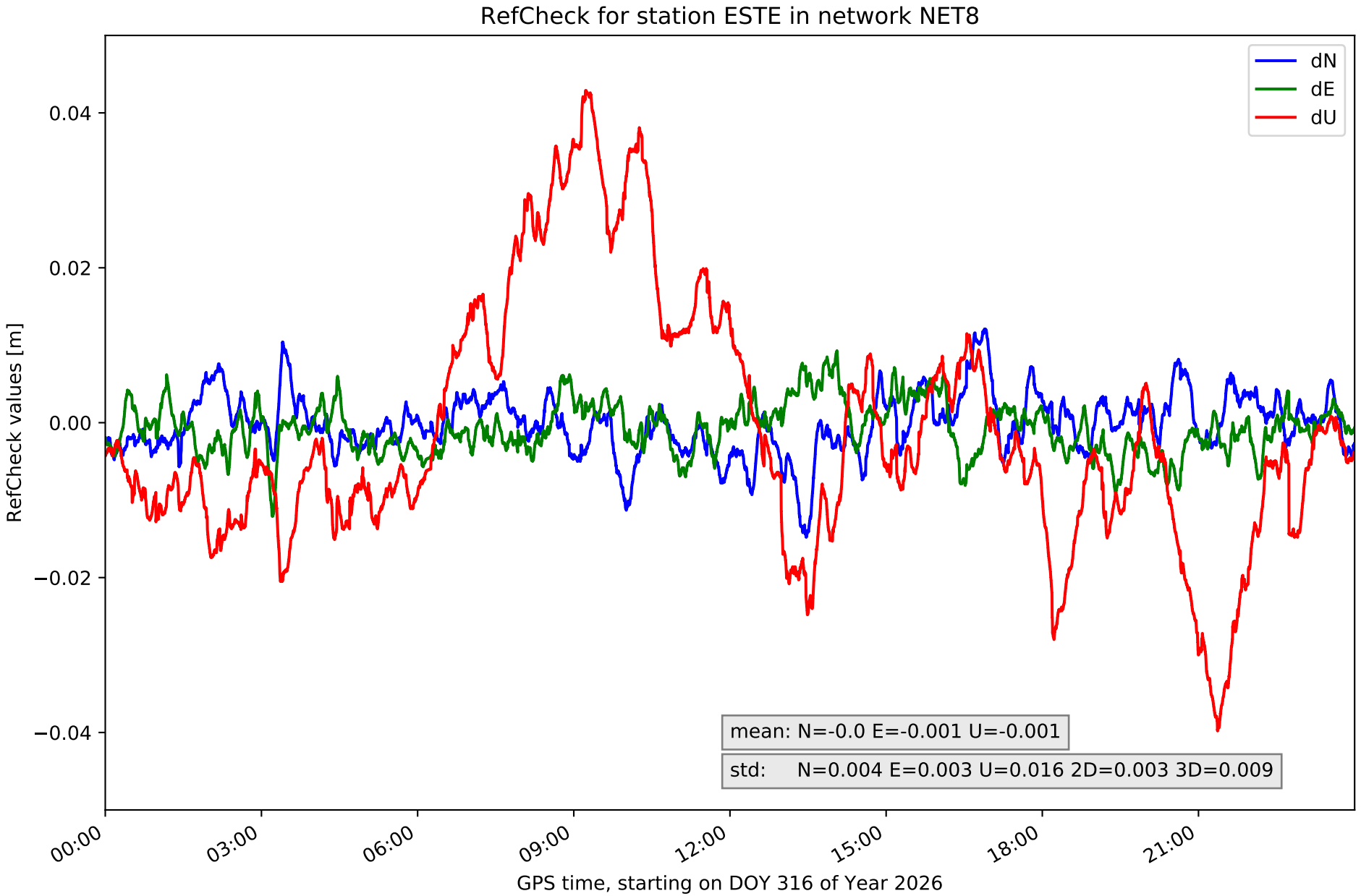

Station VITO in network NET8
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

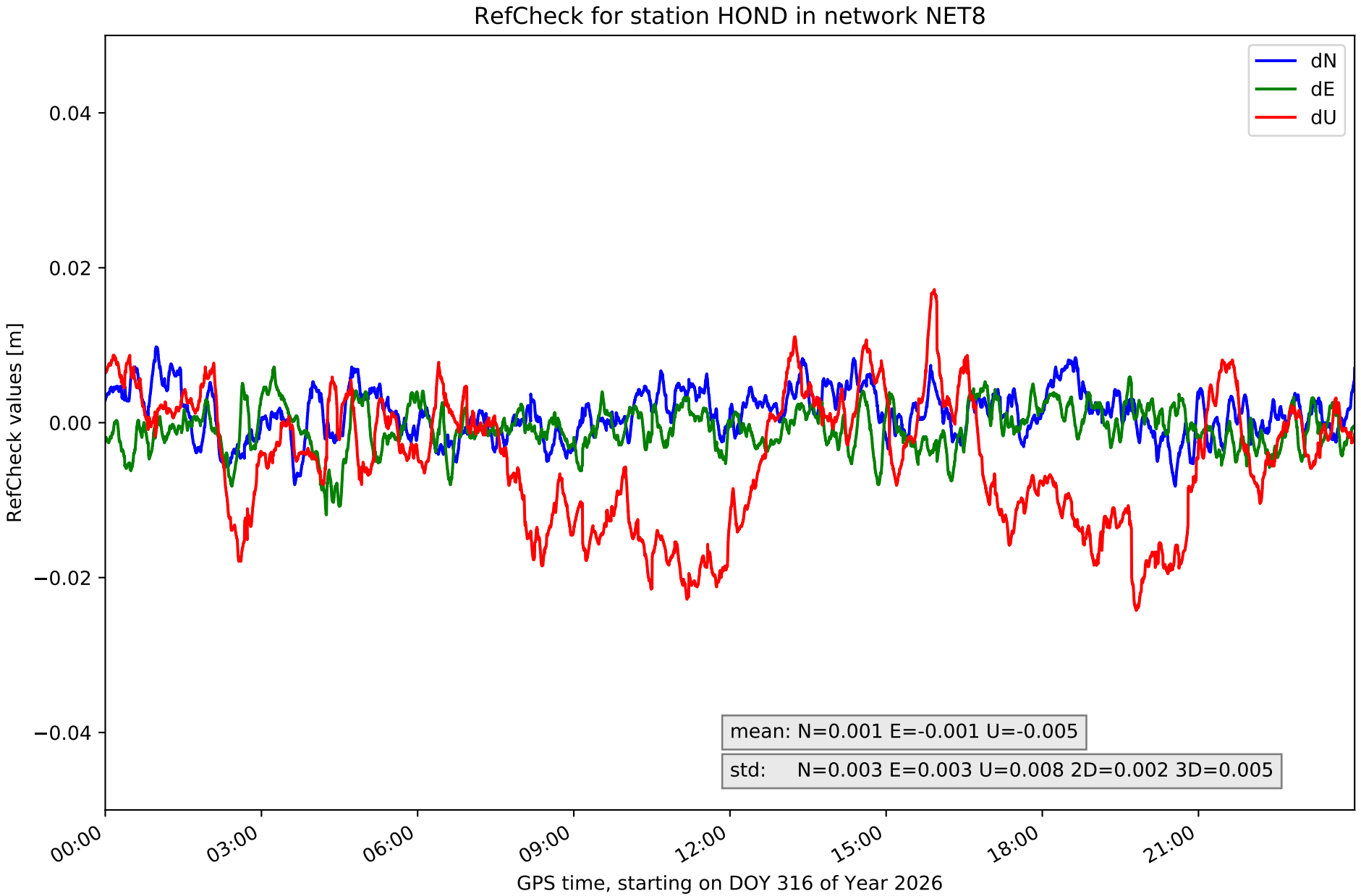

RefCheck for station ALDA in network NET8
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.003 E=-0.0 U=-0.0
std: N=0.003 E=0.004 U=0.008 2D=0.003 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

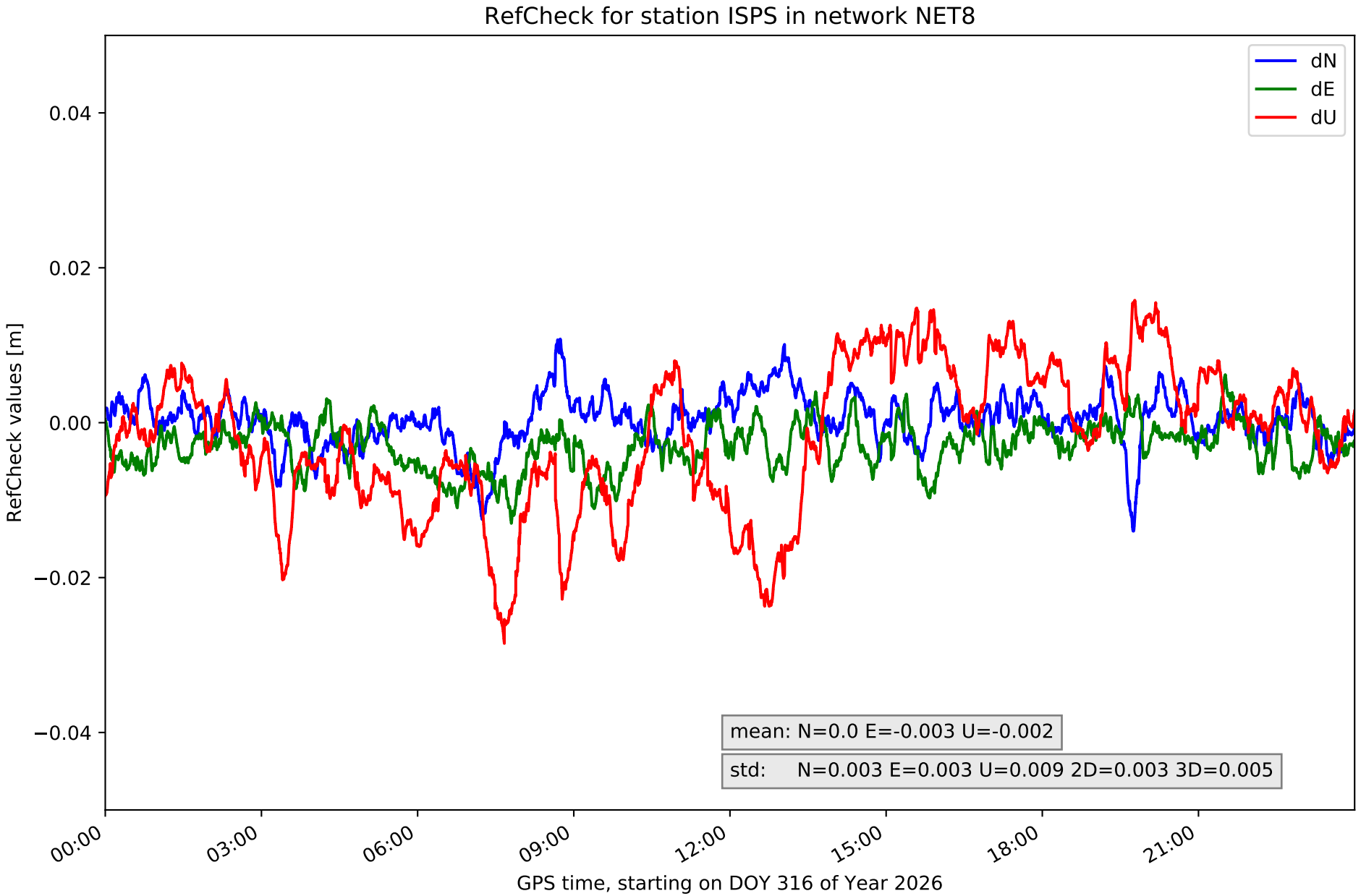

RefCheck for station ALSA in network NET8
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.005 E=0.001 U=-0.002
std: N=0.003 E=0.003 U=0.008 2D=0.003 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

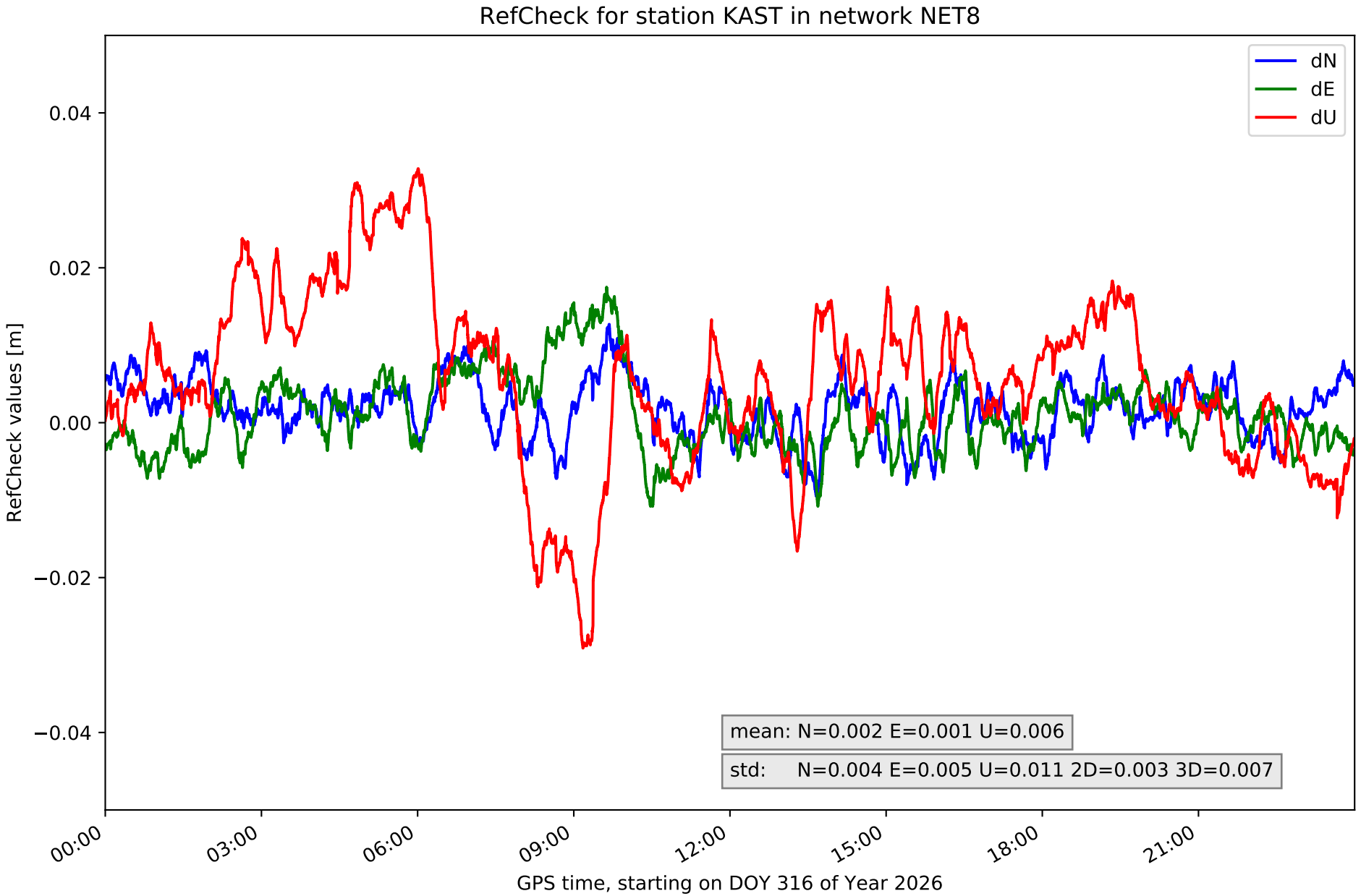

RefCheck for station AMUR in network NET8
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.003 E=0.002 U=0.004
std: N=0.003 E=0.003 U=0.007 2D=0.003 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

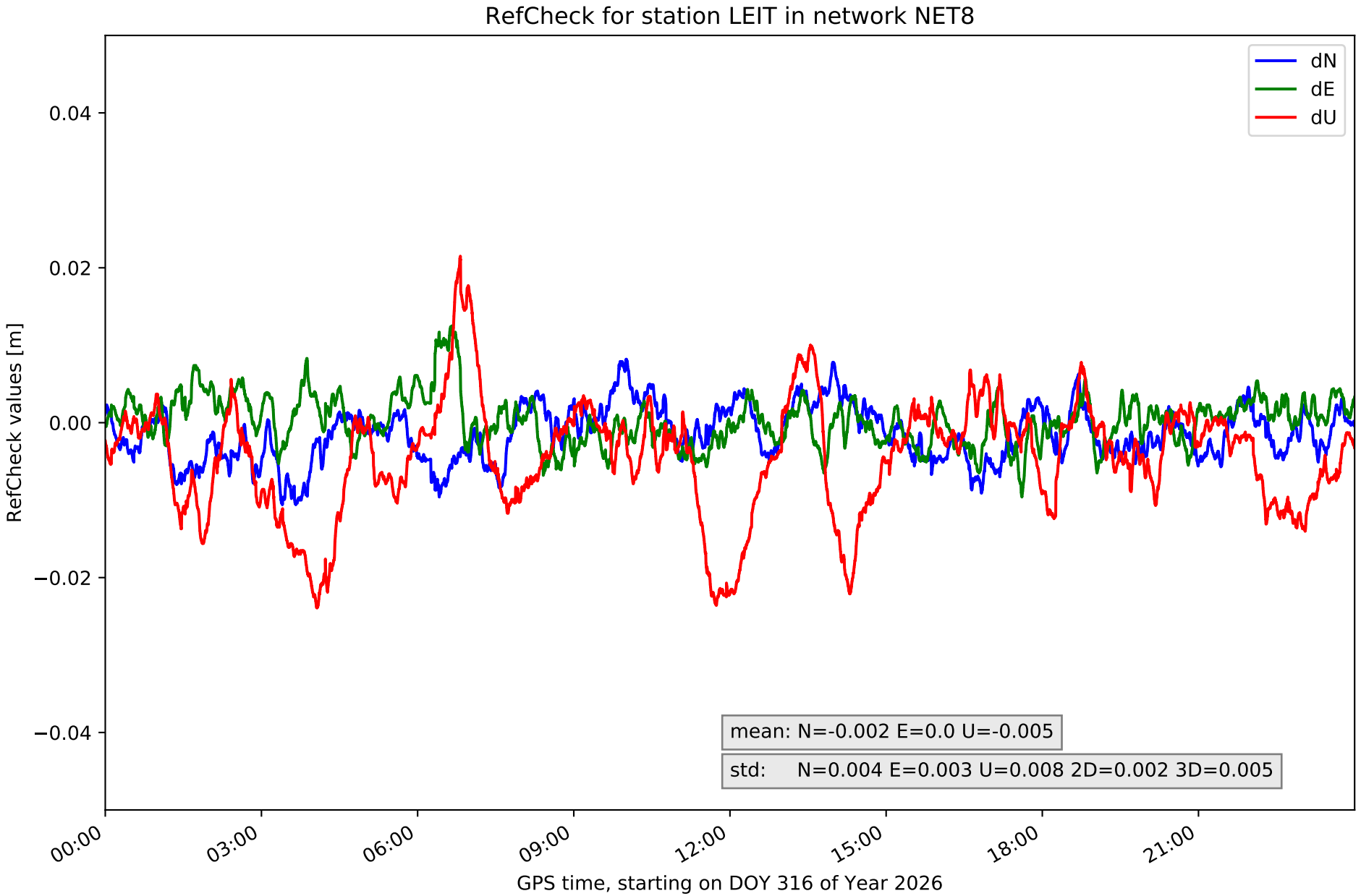

RefCheck for station ELGE in network NET8
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.005 E=-0.0 U=0.003
std: N=0.003 E=0.004 U=0.007 2D=0.003 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

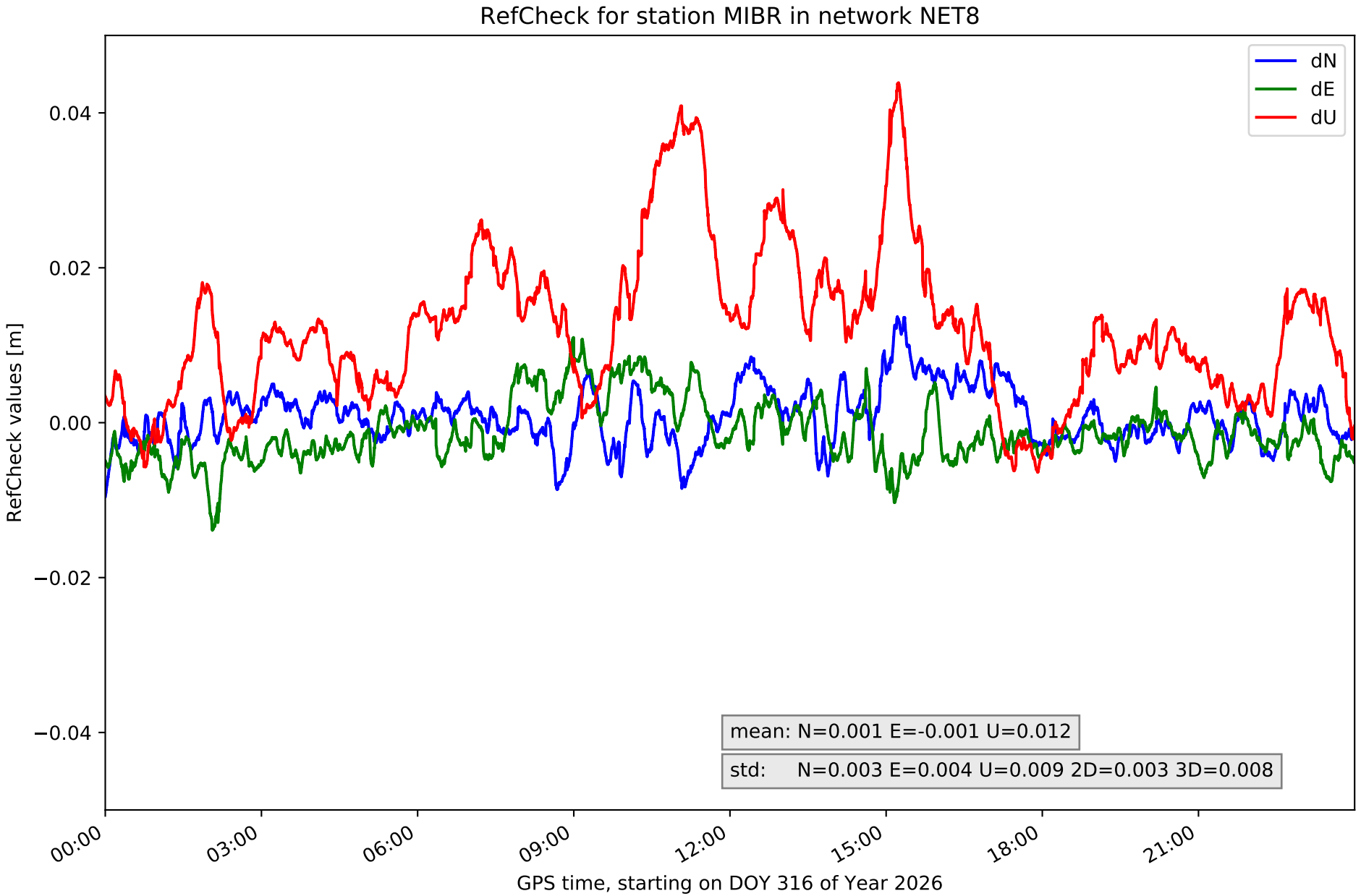

RefCheck for station ESTE in network NET8
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.0 E=-0.001 U=-0.001
std: N=0.004 E=0.003 U=0.016 2D=0.003 3D=0.009
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

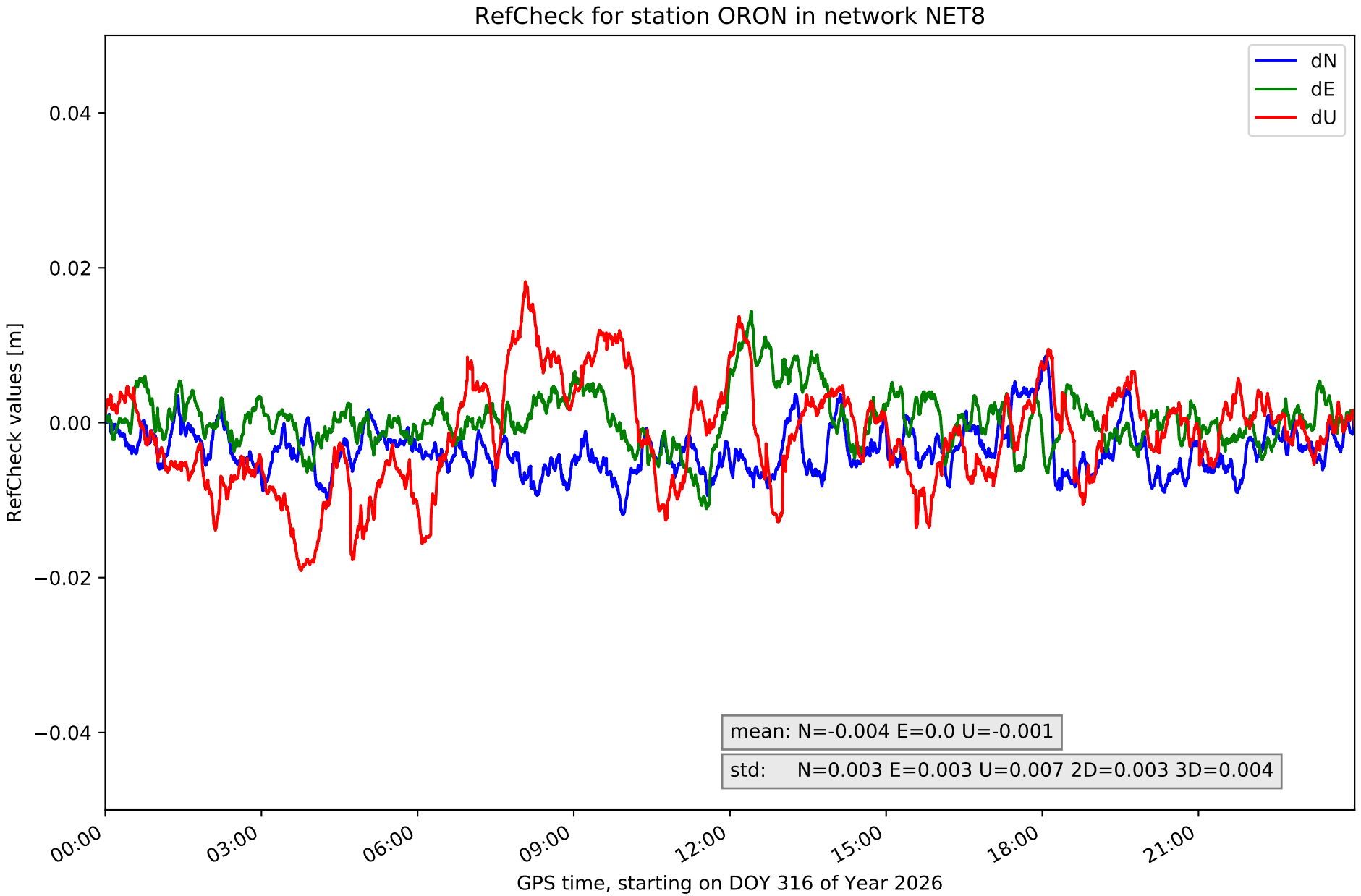

RefCheck for station HOND in network NET8
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.001 E=-0.001 U=-0.005
std: N=0.003 E=0.003 U=0.008 2D=0.002 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

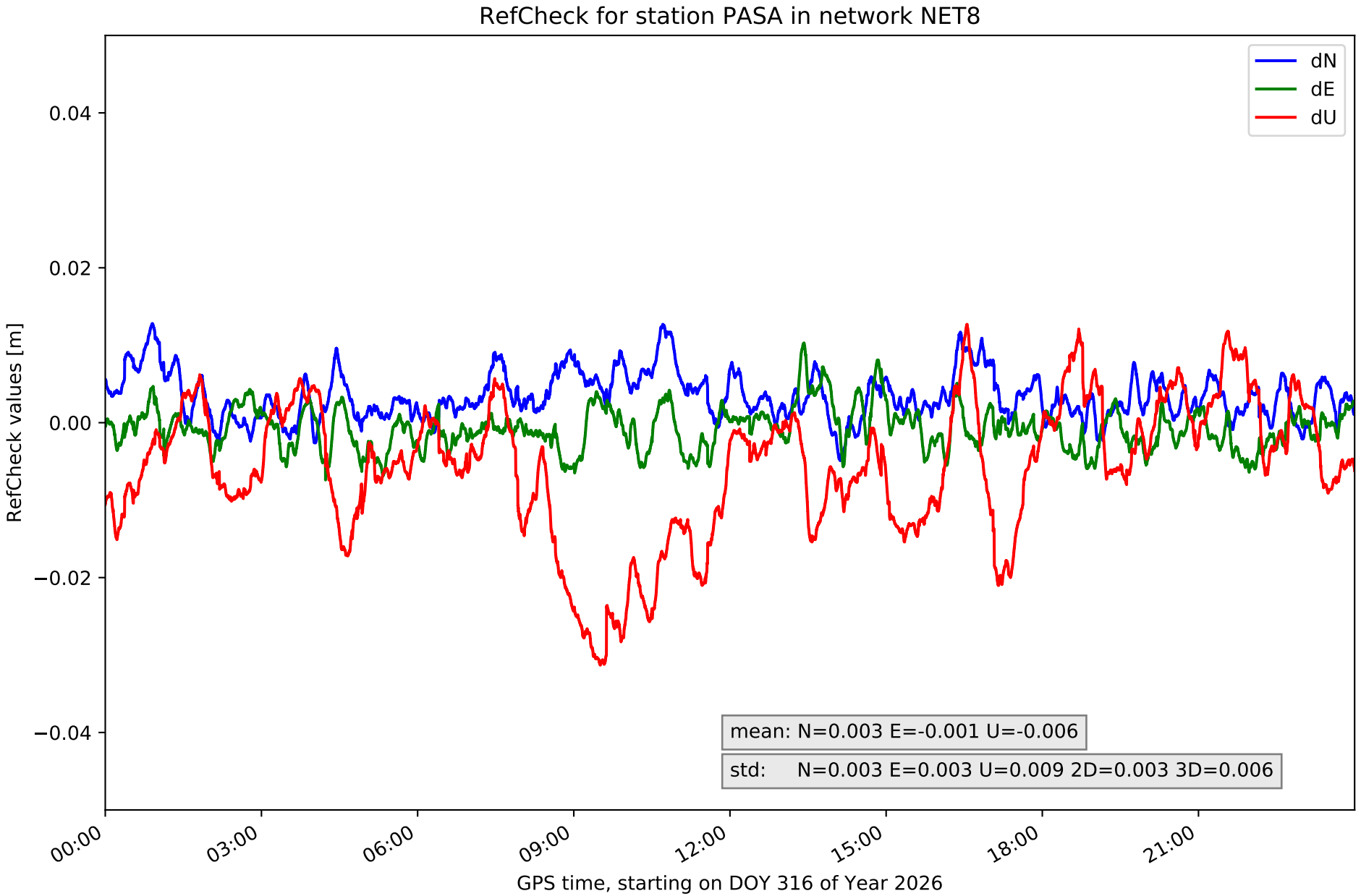

RefCheck for station ISPS in network NET8
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.0 E=-0.003 U=-0.002
std: N=0.003 E=0.003 U=0.009 2D=0.003 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

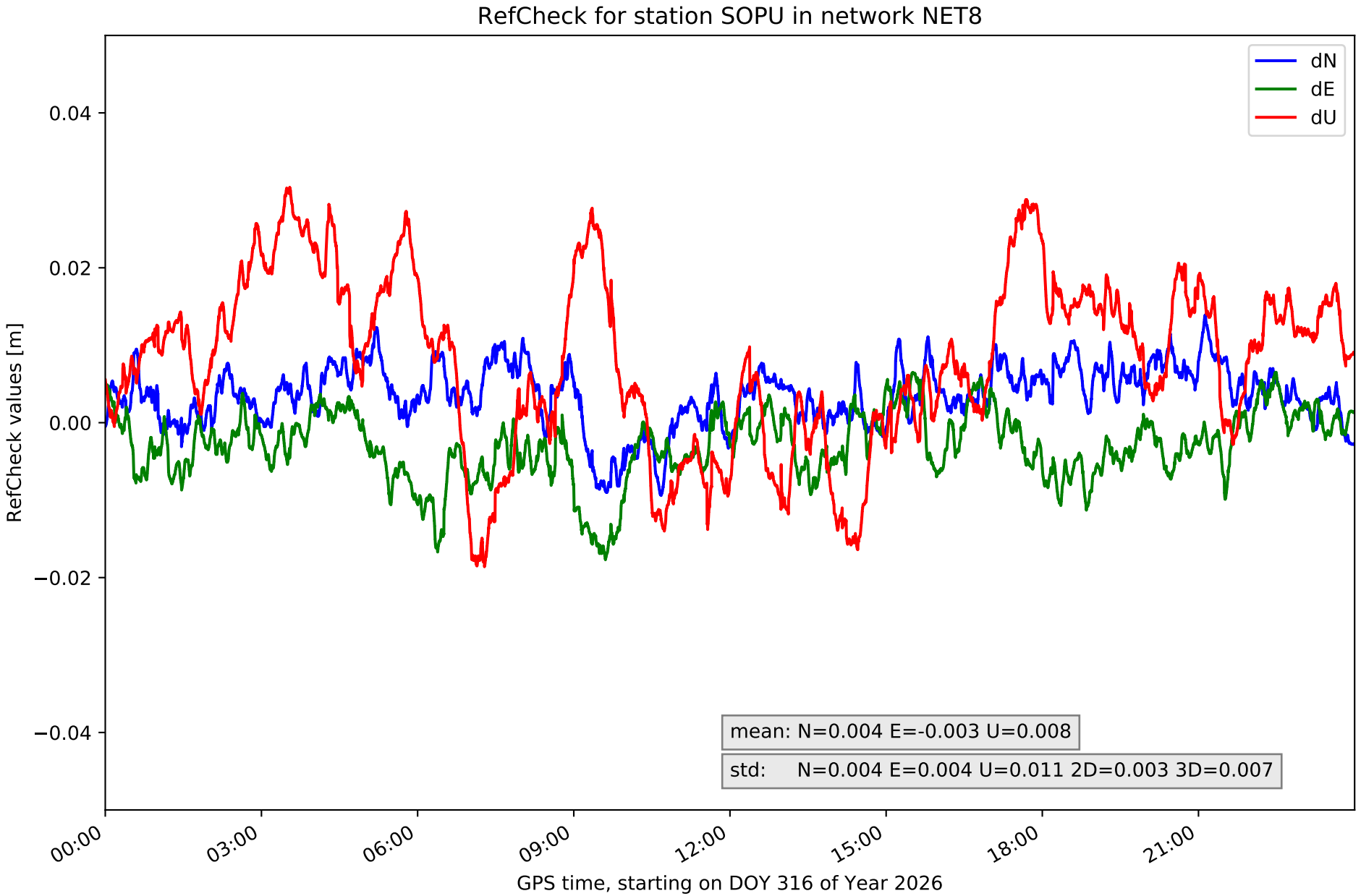

RefCheck for station KAST in network NET8
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=0.001 U=0.006
std: N=0.004 E=0.005 U=0.011 2D=0.003 3D=0.007
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

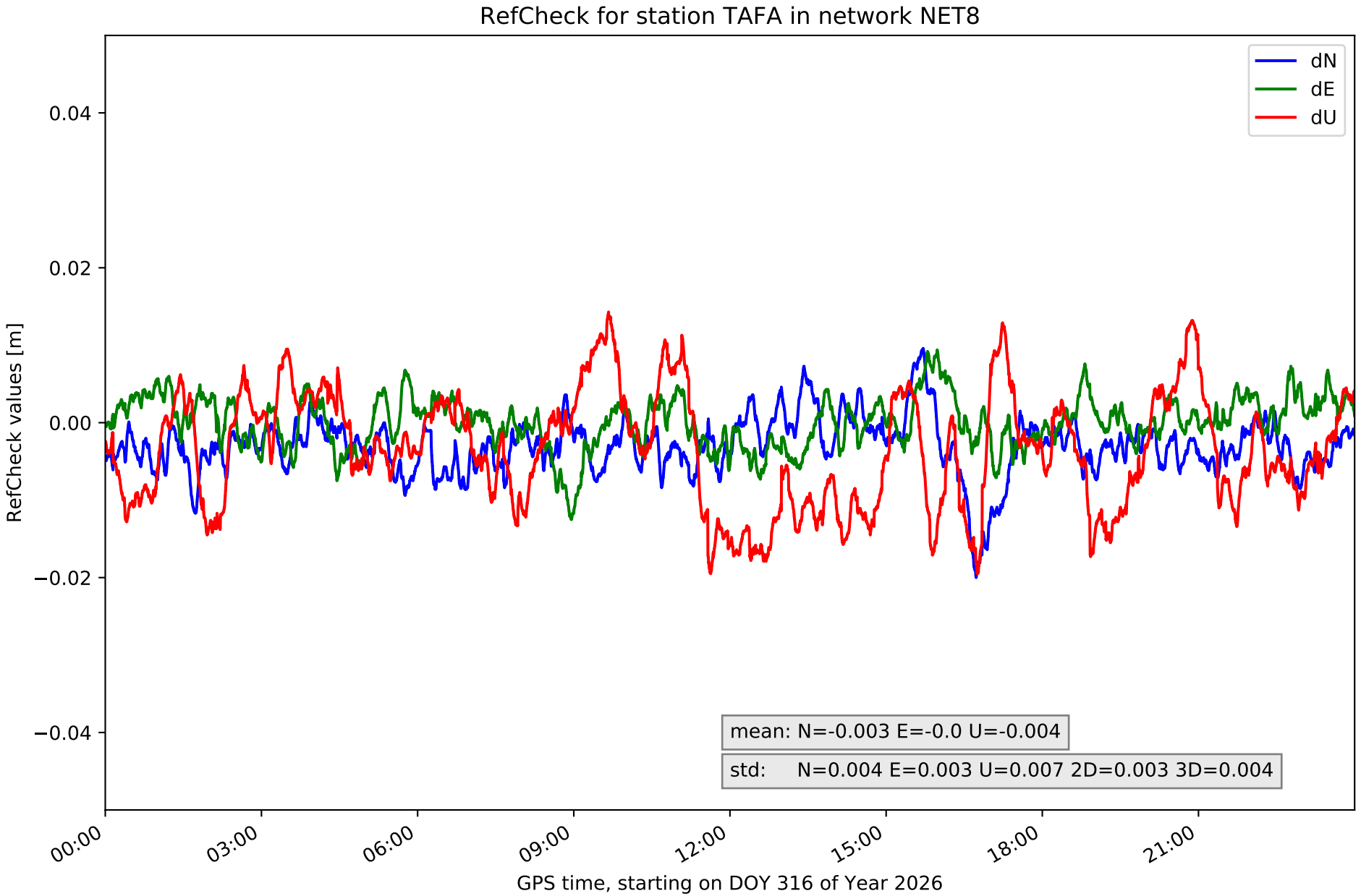

RefCheck for station LEIT in network NET8
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.002 E=0.0 U=-0.005
std: N=0.004 E=0.003 U=0.008 2D=0.002 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

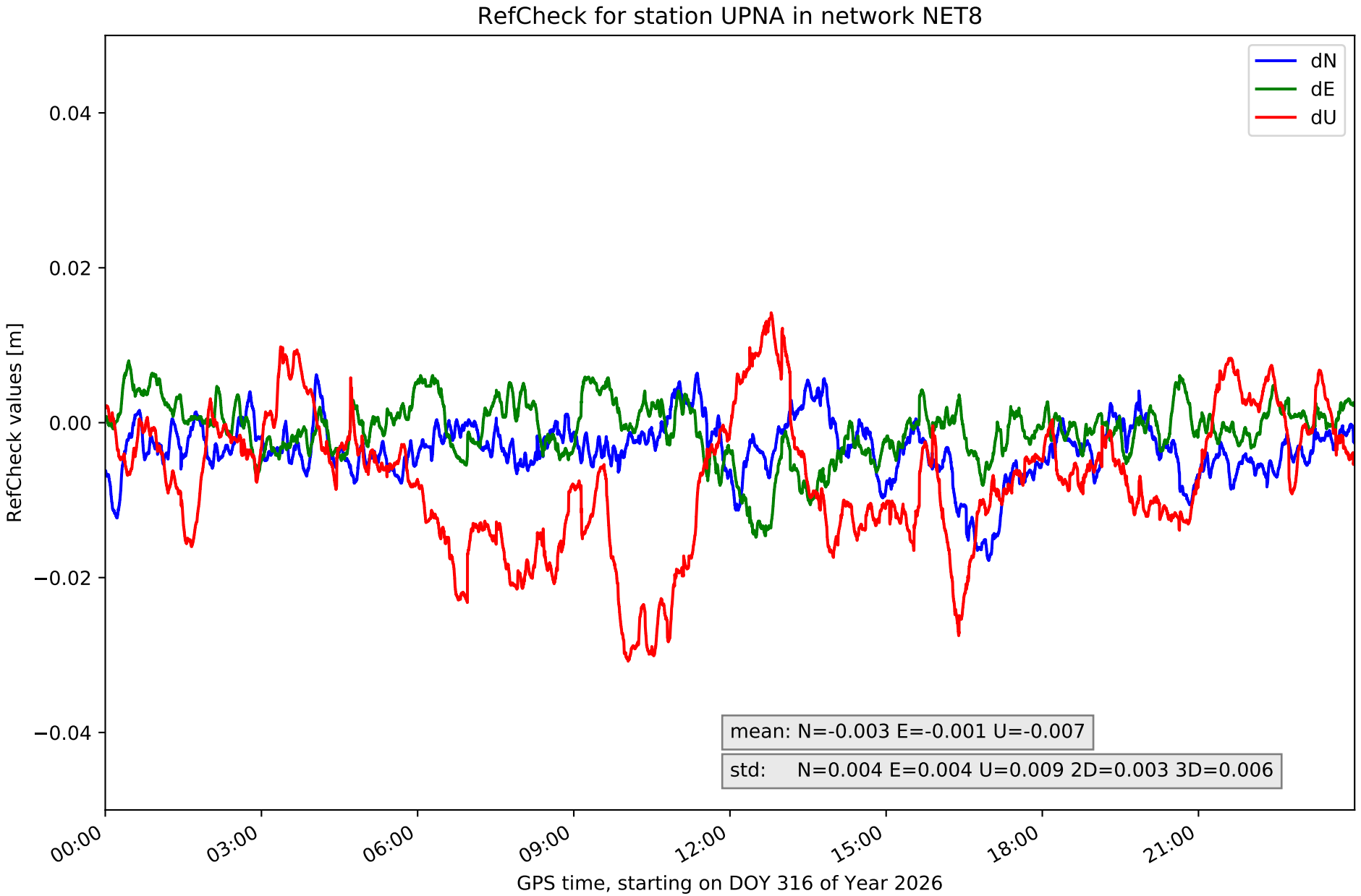

RefCheck for station MIBR in network NET8
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.001 E=-0.001 U=0.012
std: N=0.003 E=0.004 U=0.009 2D=0.003 3D=0.008
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

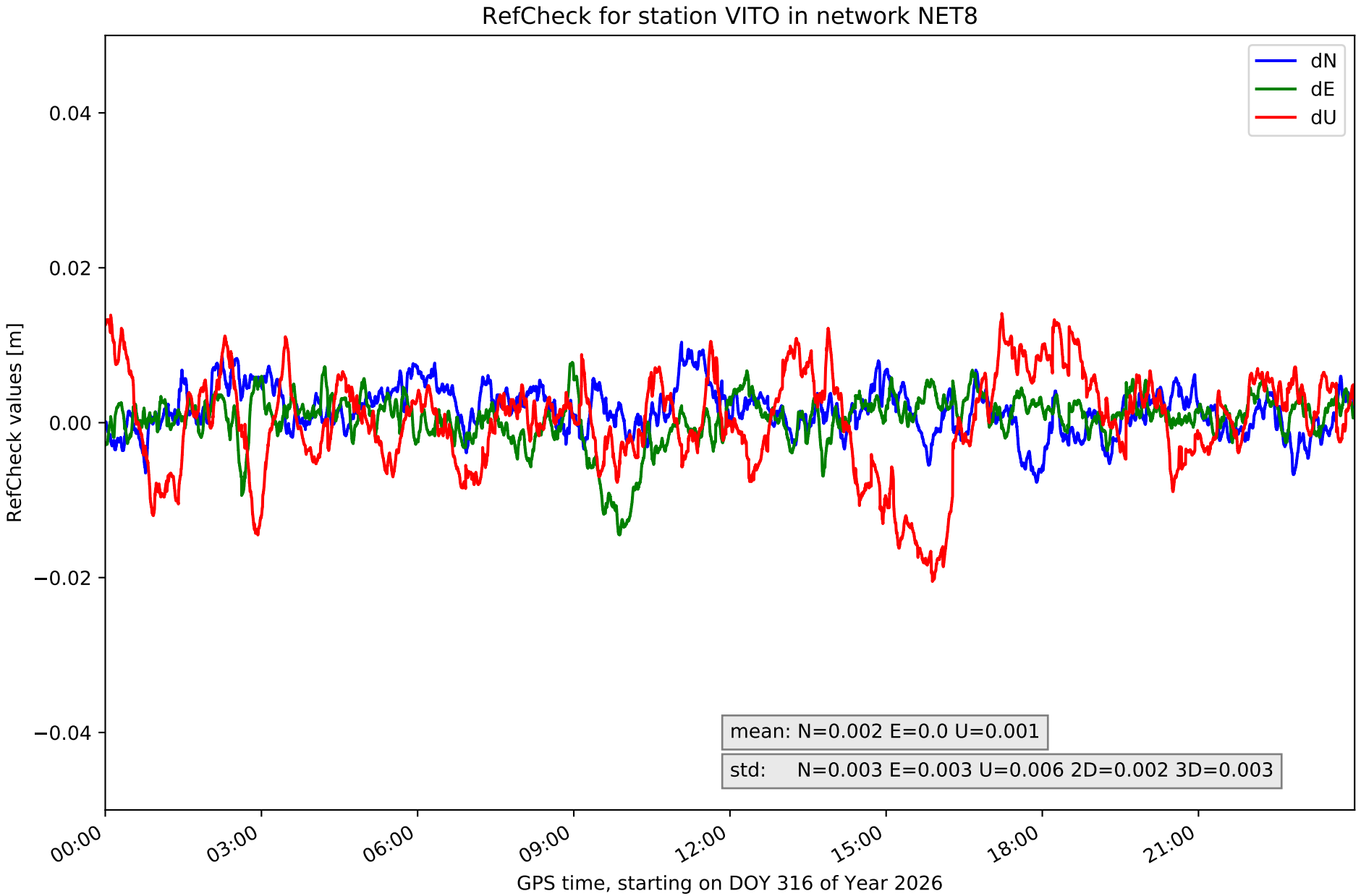

RefCheck for station ORON in network NET8
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.004 E=0.0 U=-0.001
std: N=0.003 E=0.003 U=0.007 2D=0.003 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026


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=0.003 E=-0.001 U=-0.006
std: N=0.003 E=0.003 U=0.009 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 316 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=0.004 E=-0.003 U=0.008
std: N=0.004 E=0.004 U=0.011 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 316 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=-0.003 E=-0.0 U=-0.004
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 316 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=-0.003 E=-0.001 U=-0.007
std: N=0.004 E=0.004 U=0.009 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 316 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=0.0 U=0.001
std: N=0.003 E=0.003 U=0.006 2D=0.002 3D=0.003
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 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	-0.014	0.007	0.003	-0.01	0.011	0.004	-0.017	0.024	0.008	**0.003**	0.004	6174	9.6	788	1.2
ALSA	-0.017	0.005	0.003	-0.007	0.009	0.003	-0.021	0.017	0.008	**0.003**	0.004	5188	8.1	723	1.1
AMUR	-0.006	**0.015**	0.003	-0.007	0.014	0.003	-0.021	0.024	0.007	**0.003**	0.004	5464	8.5	1655	2.6
ELGE	-0.005	0.012	0.003	-0.009	0.012	0.004	-0.012	0.027	0.007	**0.003**	0.005	3675	5.7	3063	4.8
ESTE	-0.015	0.012	**0.004**	-0.012	0.009	0.003	**-0.04**	0.043	**0.016**	**0.003**	**0.009**	2655	4.1	**13243**	**20.6**
HOND	-0.008	0.01	0.003	-0.012	0.007	0.003	-0.024	0.017	0.008	0.002	0.005	389	0.6	2119	3.3
ISPS	-0.014	0.011	0.003	-0.013	0.006	0.003	-0.029	0.016	0.009	**0.003**	0.005	3517	5.5	3546	5.5
KAST	-0.009	0.013	**0.004**	-0.011	**0.018**	**0.005**	-0.029	0.033	0.011	**0.003**	0.007	6553	10.2	8886	13.8
LEIT	-0.011	0.008	**0.004**	-0.01	0.013	0.003	-0.024	0.021	0.008	0.002	0.005	2375	3.7	4149	6.4
MIBR	-0.01	0.014	0.003	-0.014	0.011	0.004	-0.006	**0.044**	0.009	**0.003**	0.008	1922	3.0	10395	16.1
ORON	-0.012	0.009	0.003	-0.011	0.014	0.003	-0.019	0.018	0.007	**0.003**	0.004	3040	4.7	0	0.0
PASA	-0.005	0.013	0.003	-0.007	0.01	0.003	-0.031	0.013	0.009	**0.003**	0.006	2561	4.0	6173	9.6
SOPU	-0.009	0.014	**0.004**	**-0.018**	0.006	0.004	-0.019	0.03	0.011	**0.003**	0.007	**9148**	**14.2**	12994	20.2
TAFA	**-0.02**	0.01	**0.004**	-0.013	0.009	0.003	-0.019	0.014	0.007	**0.003**	0.004	3232	5.0	746	1.2
UPNA	-0.018	0.006	**0.004**	-0.015	0.008	0.004	-0.031	0.014	0.009	**0.003**	0.006	5866	9.1	7178	11.1
VITO	-0.008	0.01	0.003	-0.015	0.008	0.003	-0.021	0.014	0.006	0.002	0.003	1539	2.4	129	0.2
Mean	**-0.011**	**0.011**	**0.003**	**-0.012**	**0.01**	**0.003**	**-0.023**	**0.023**	**0.009**	**0.003**	**0.005**	**3956.1**	**6.2**	**4736.7**	**7.4**
Min/Max	**-0.02**	**0.015**	**0.004**	**-0.018**	**0.018**	**0.005**	**-0.04**	**0.044**	**0.016**	**0.003**	**0.009**	**9148**	**14.2**	**13243**	**20.6**

fixing statistic for network NET8

fixing percentage of	all GNSS	G	R	E	C
using threshold 0.3	95.0	95.2	94.7	95.9	93.9
considering satellites with dual-frequency fixed	92.5	92.8	92.3	94.1	90.9
considering all signals separately	92.3	92.8	92.3	94.2	88.7