summary for network NT31

timeperiod chosen: from 2026-10-28-00:00:00 until 2026-10-28-23:59:59

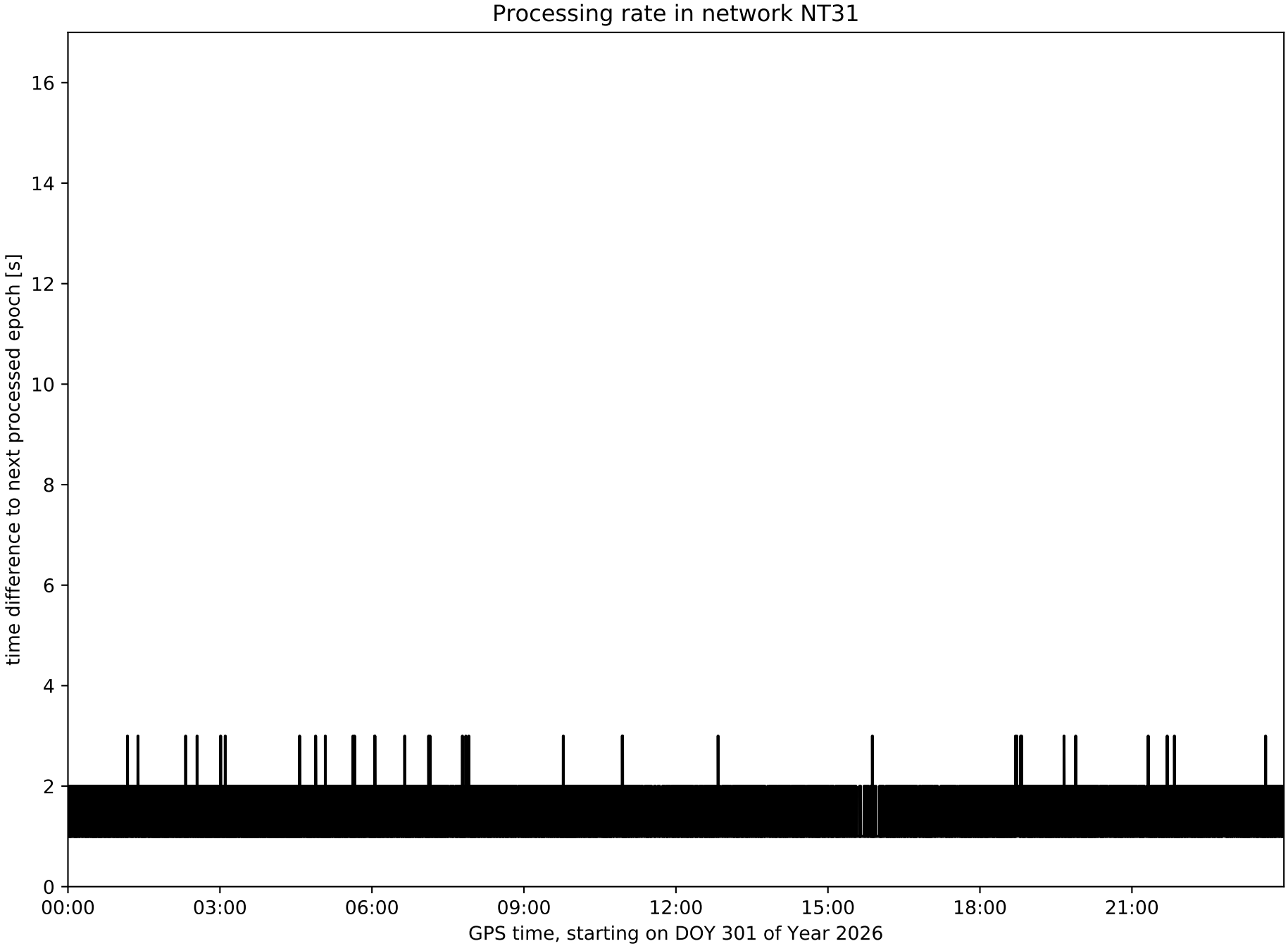
average update rate (durations larger than 15 seconds considered as observation gap): 1.1 seconds

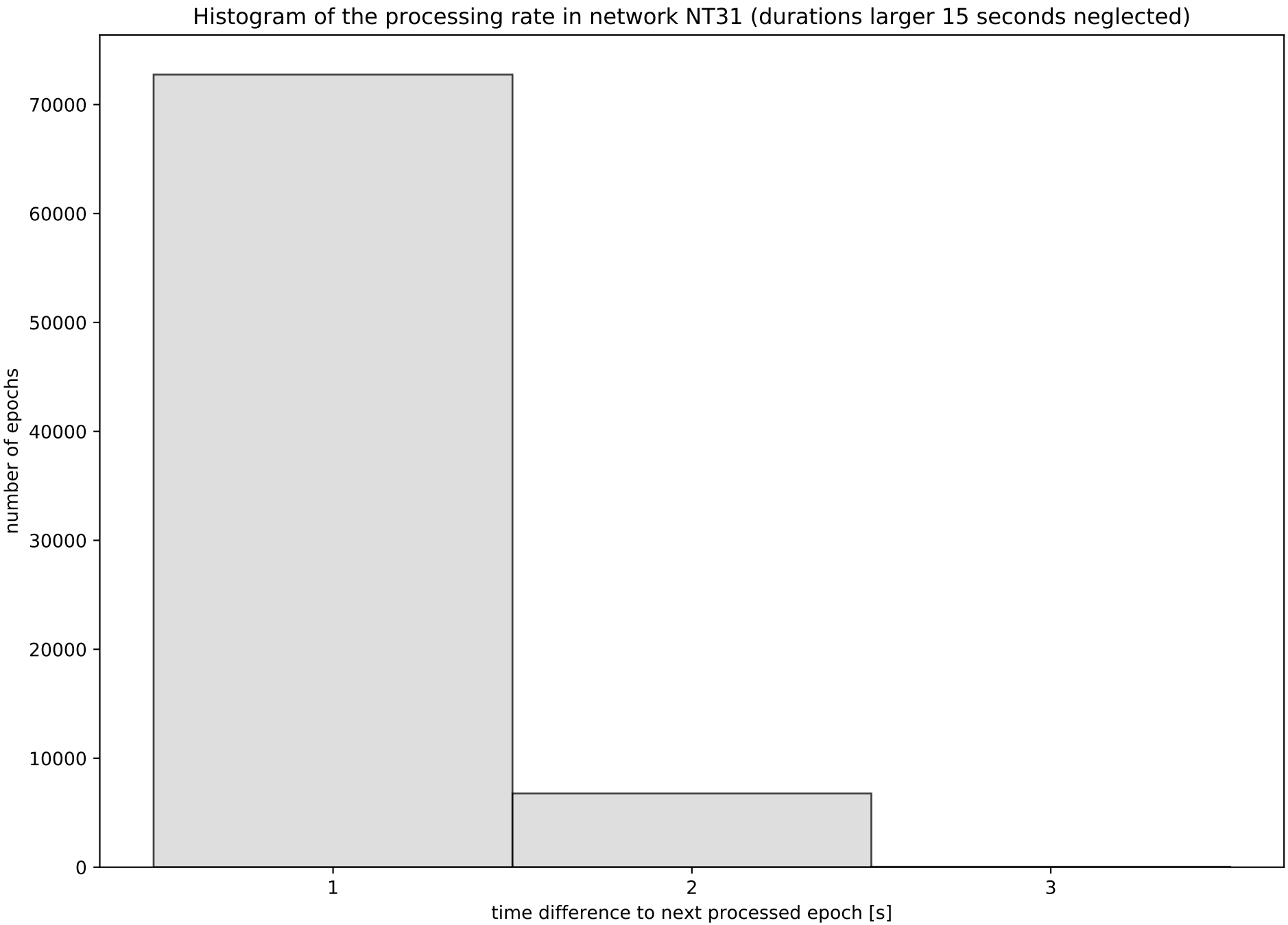
average fixing percentage with threshold set to 0.3: 87.2 percent

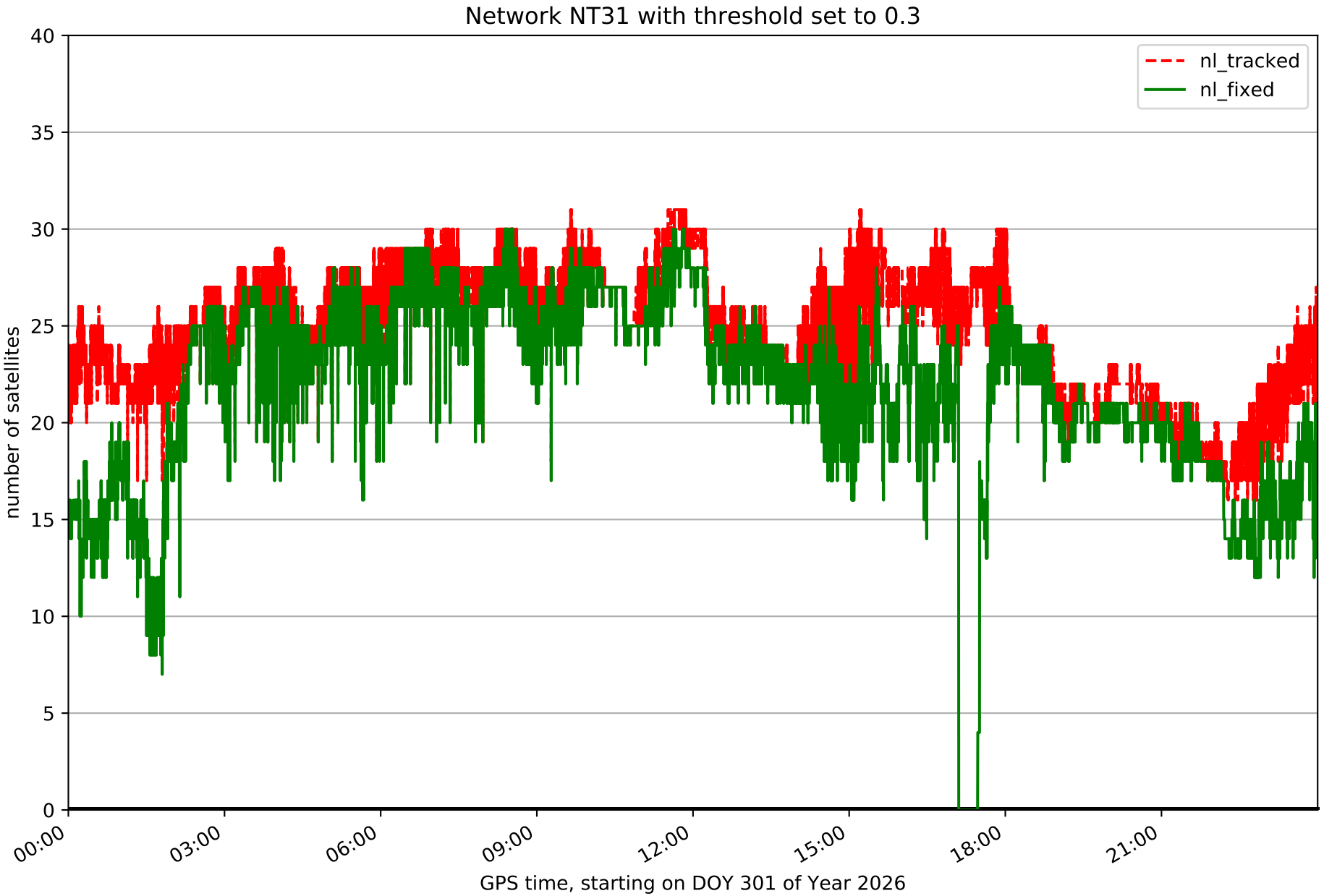
stations available: 7 of 7

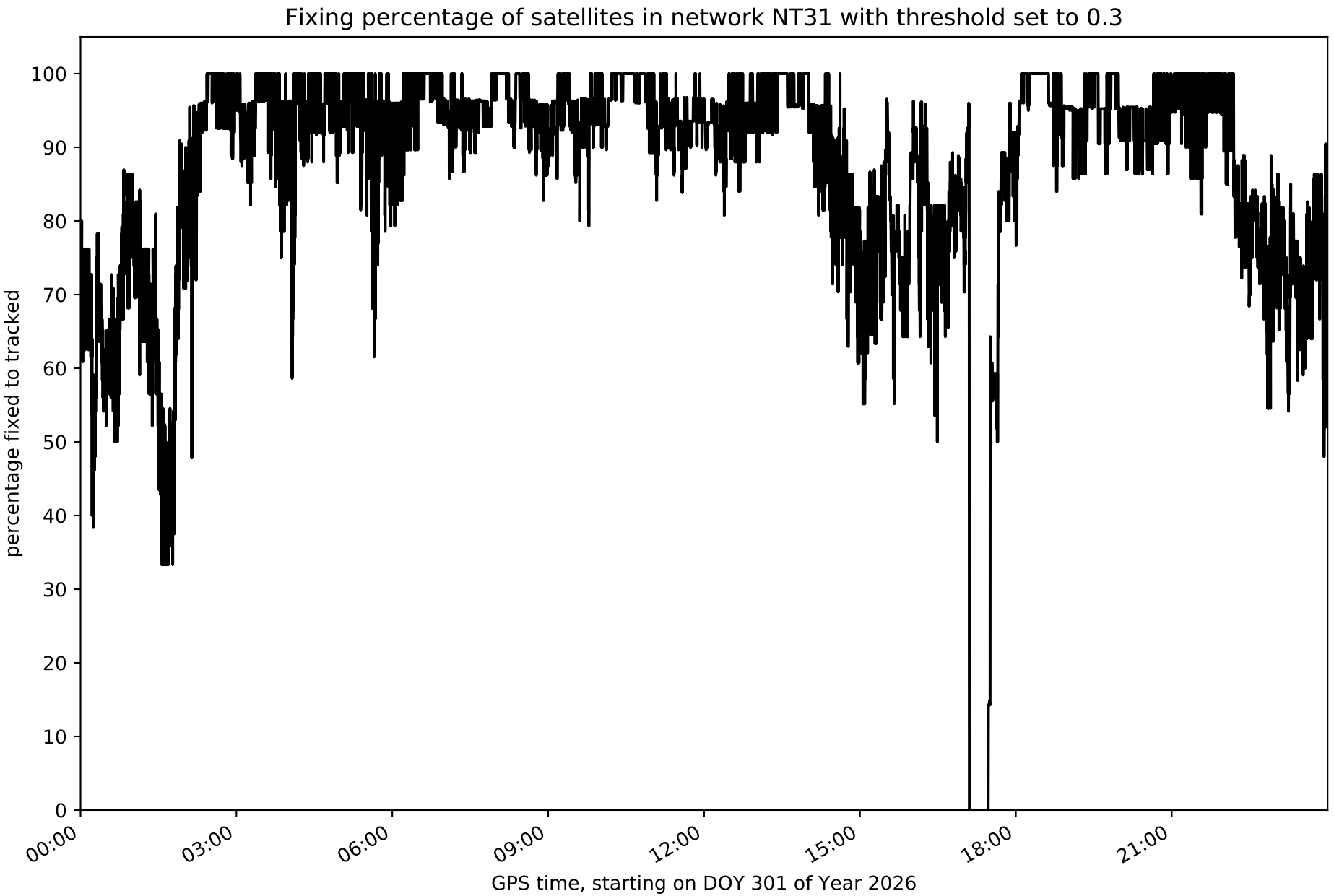
station information:

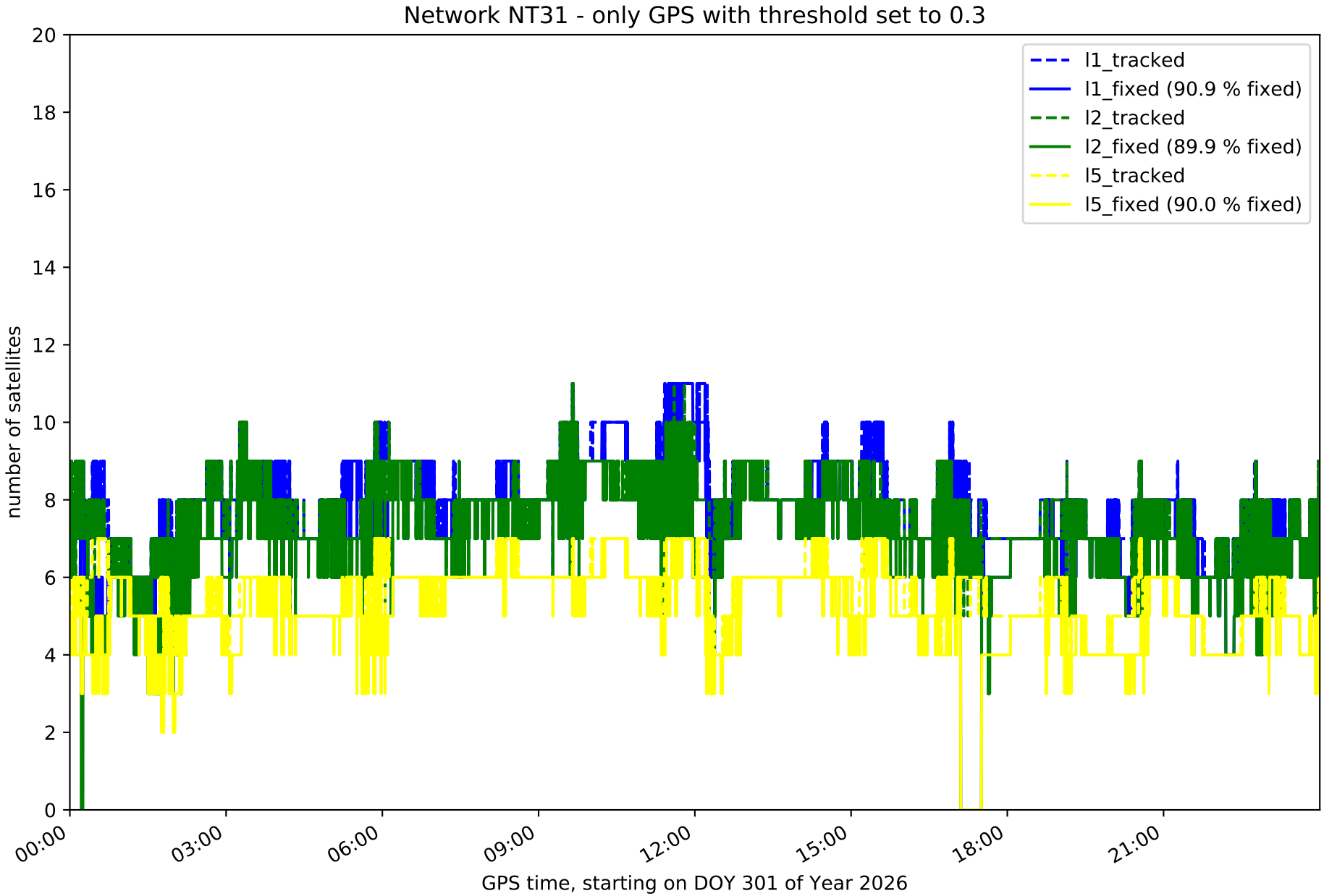
station FUER:	antenna: LEIAR20	LEIM	receiver: LEICA GR50	height: 76.887
station LALA:	antenna: TRM59900.00	SCIS	receiver: TRIMBLE NETR9	height: 62.306
station LZ01:	antenna: TRM159900.00	SCIS	receiver: TRIMBLE NETR9	height: 52.693
station LZ02:	antenna: LEIAR20	NONE	receiver: LEICA GR25	height: 58.039
station LZ03:	antenna: LEIAR20	NONE	receiver: LEICA GR50	height: 314.762
station MASP:	antenna: TRM159900.00	SCIS	receiver: TRIMBLE NETR9	height: 198.846
station ULP2:	antenna: TRM59900.00	SCIS	receiver: TRIMBLE ALLOY	height: 375.129

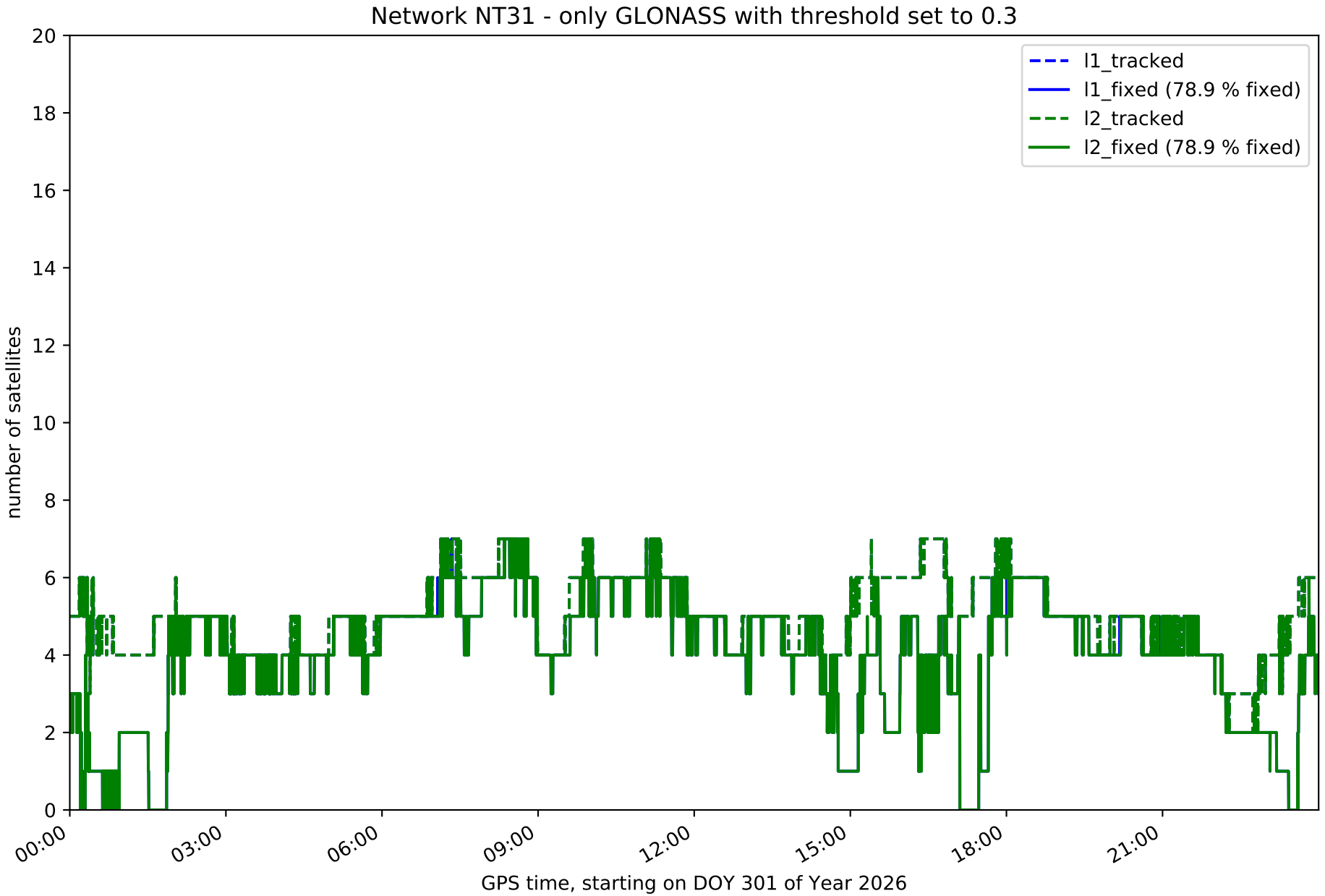

Processing rate in network NT31
time difference to next processed epoch [s]
0
2
4
6
8
10
12
14
16
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 301 of Year 2026

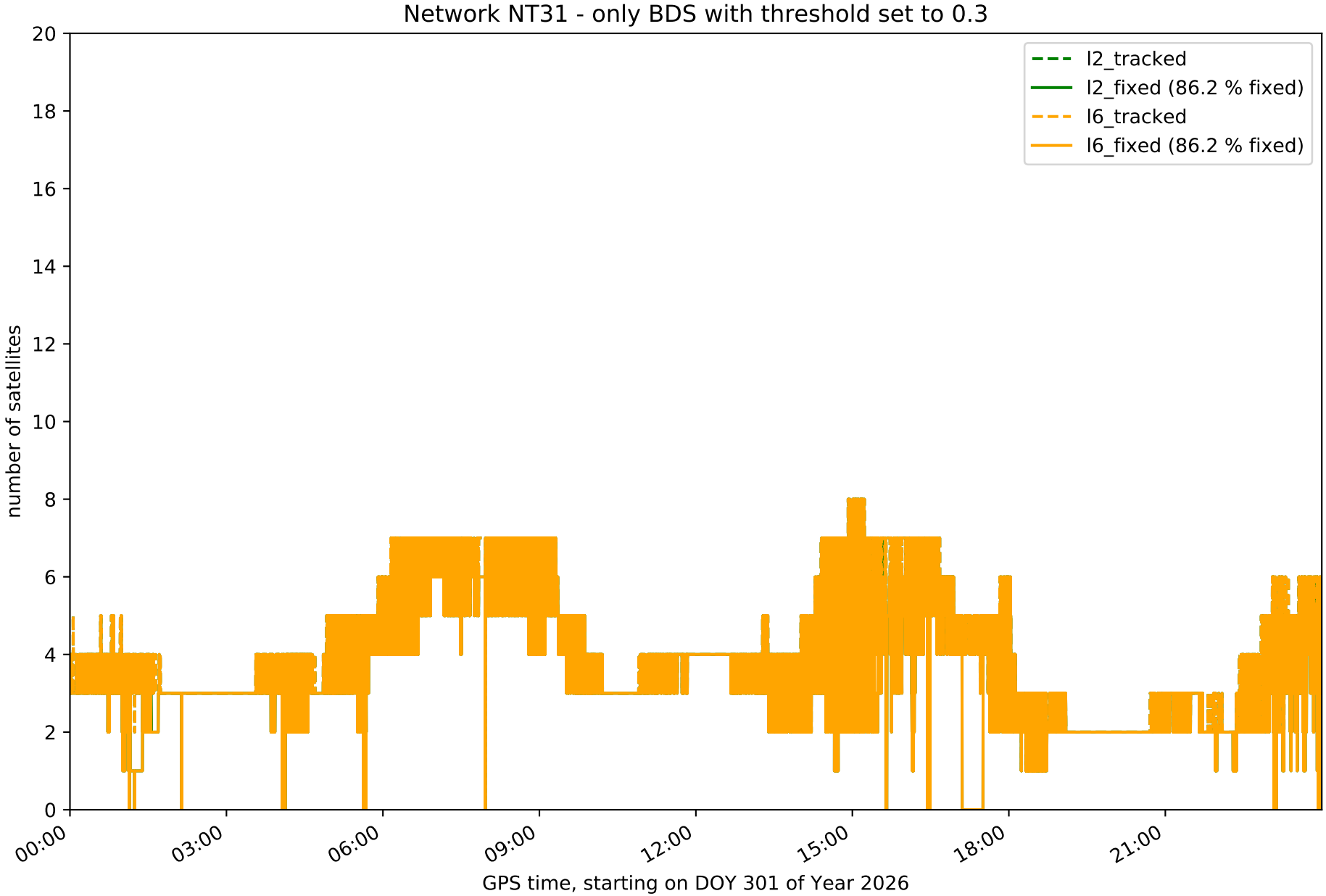

Histogram of the processing rate in network NT31 (durations larger 15 seconds neglected)
number of epochs
70000
60000
50000
40000
30000
20000
10000
0
1
2
3
time difference to next processed epoch [s]

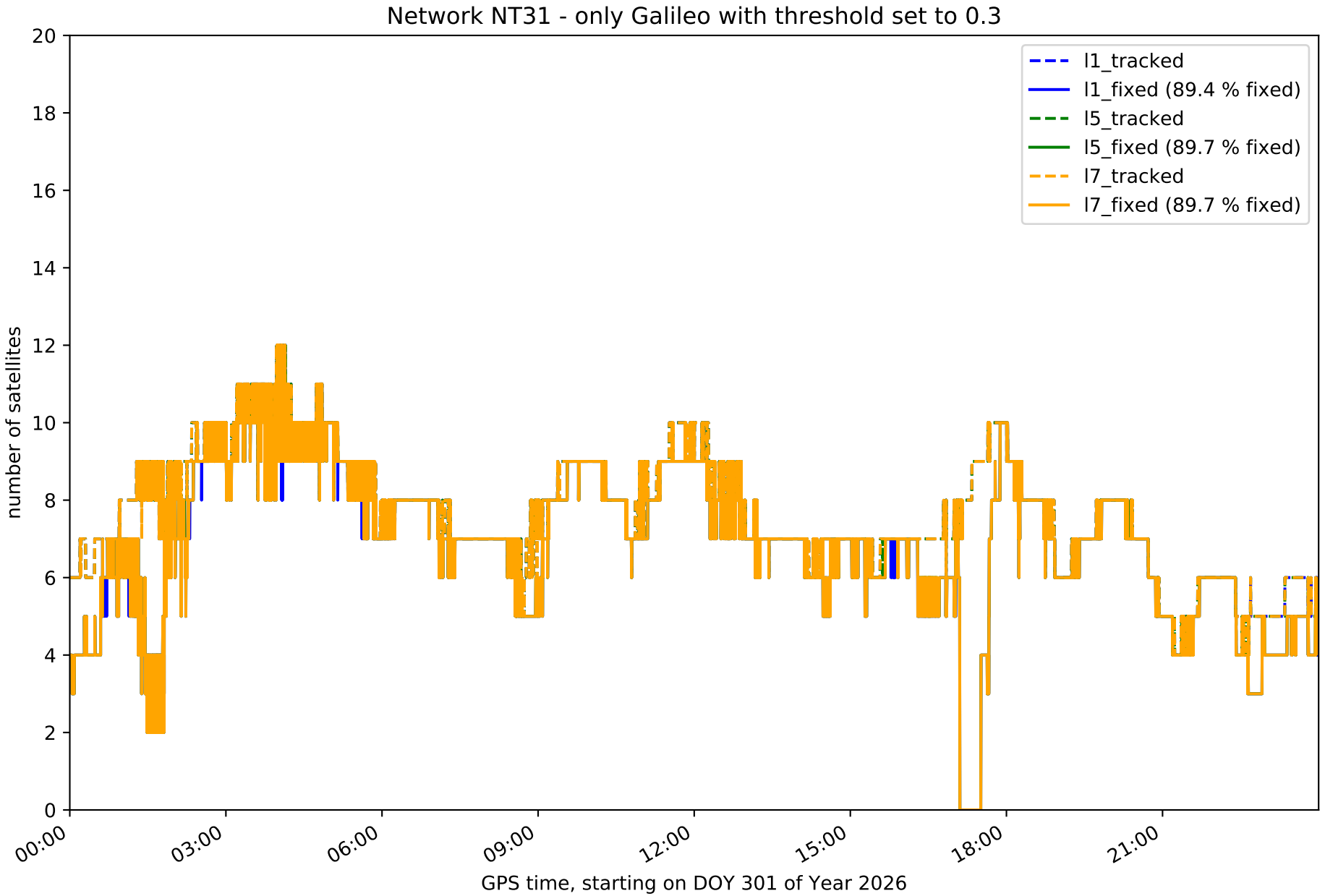

Network NT31 with threshold set to 0.3
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
40
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 301 of Year 2026

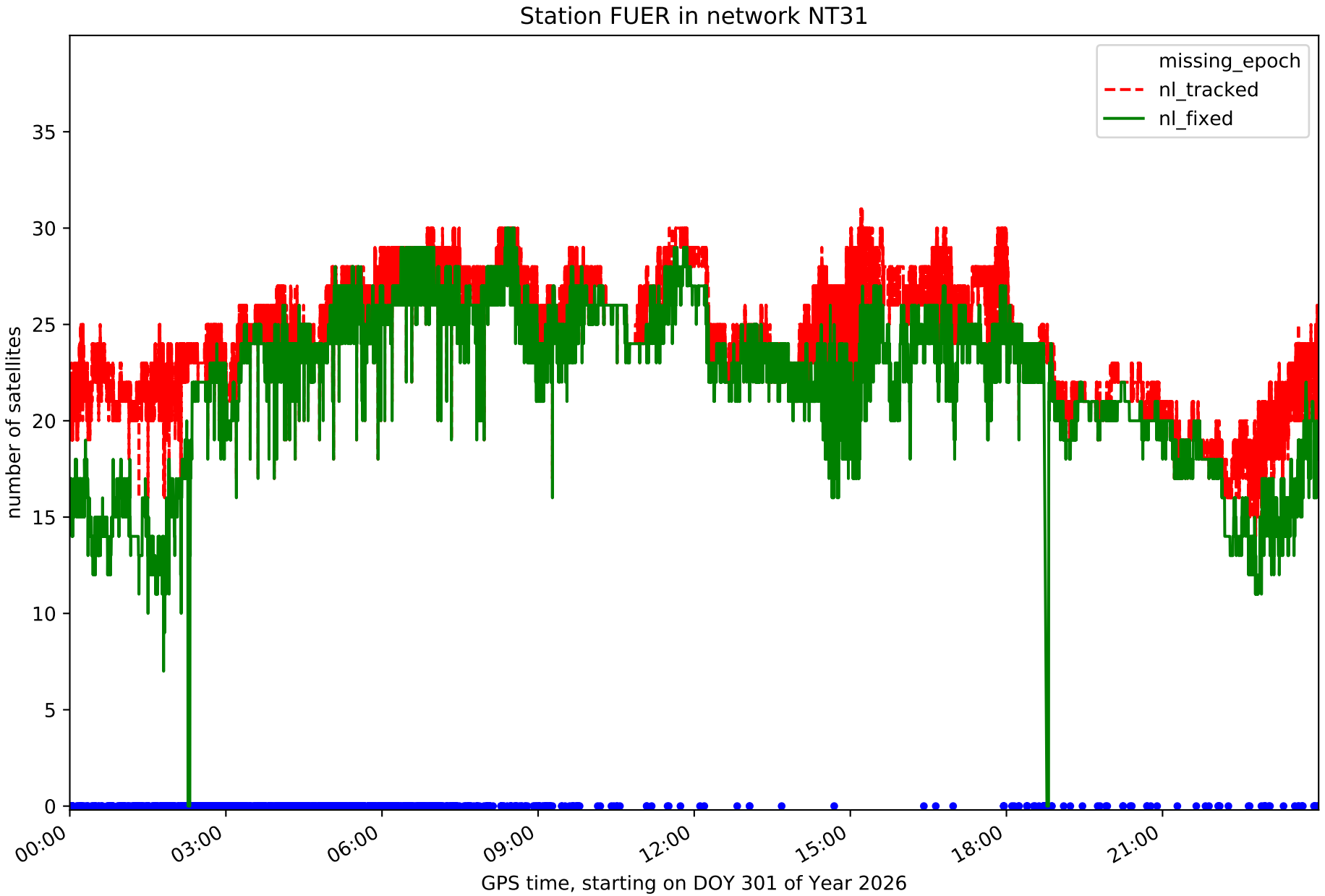

Fixing percentage of satellites in network NT31 with threshold set to 0.3
percentage fixed to tracked
100
90
80
70
60
50
40
30
20
10
0
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 301 of Year 2026

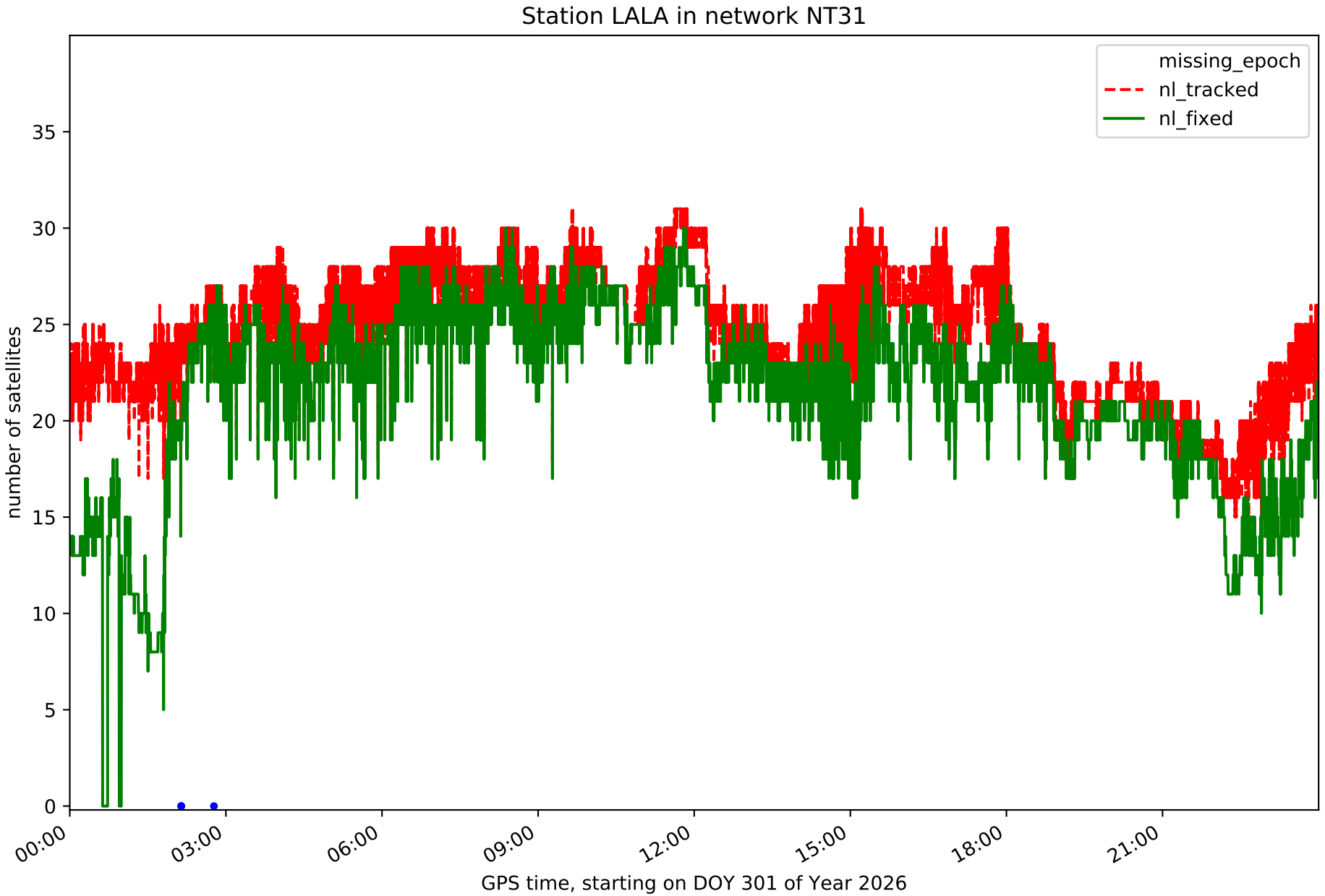

Network NT31 - only GPS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 301 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
l1_tracked
l1_fixed (90.9 % fixed)
l2_tracked
l2_fixed (89.9 % fixed)
l5_tracked
l5_fixed (90.0 % fixed)

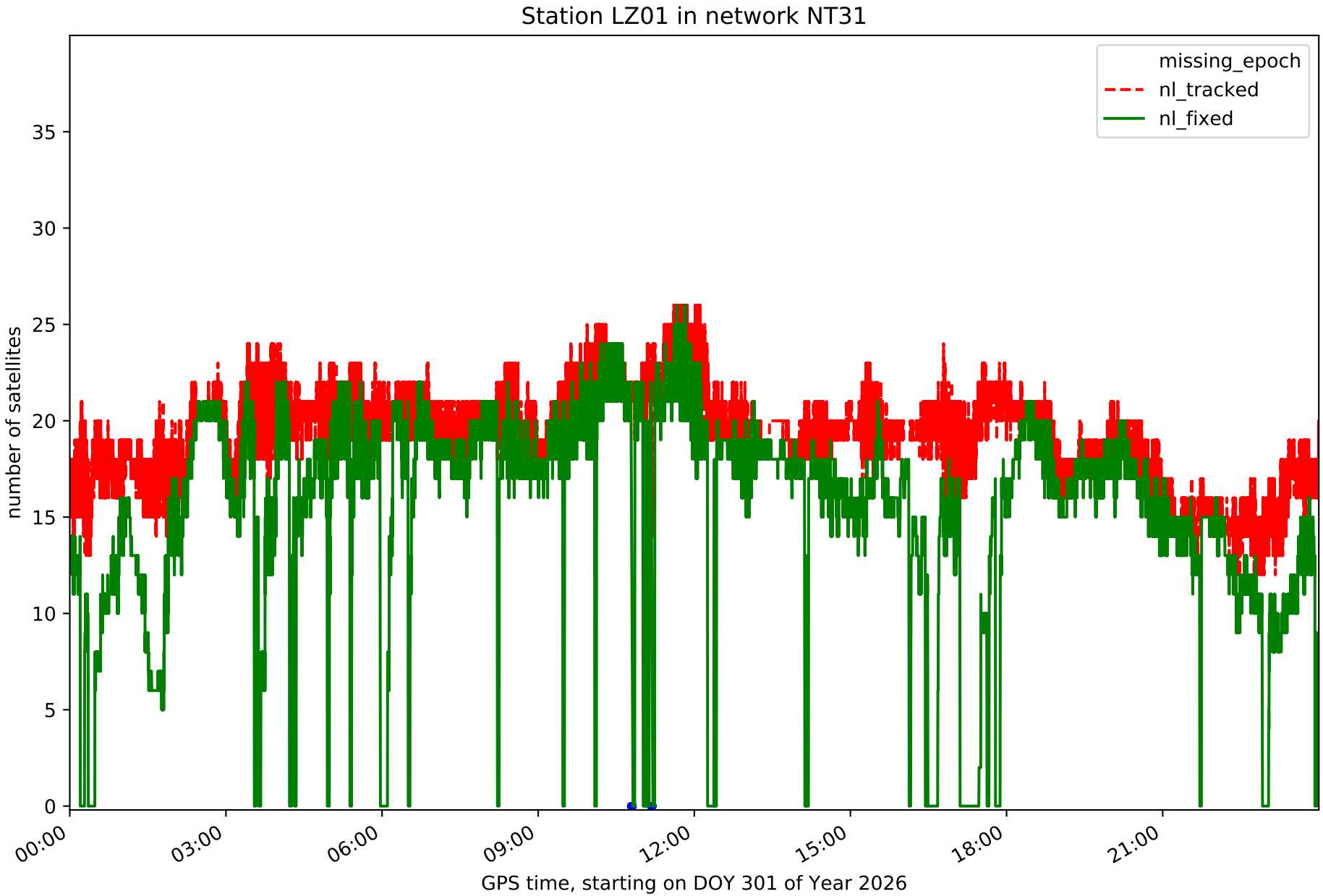

Network NT31 - only GLONASS with threshold set to 0.3
l1_tracked
l1_fixed (78.9 % fixed)
l2_tracked
l2_fixed (78.9 % fixed)
number of satellites
0
2
4
6
8
10
12
14
16
18
20
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 301 of Year 2026

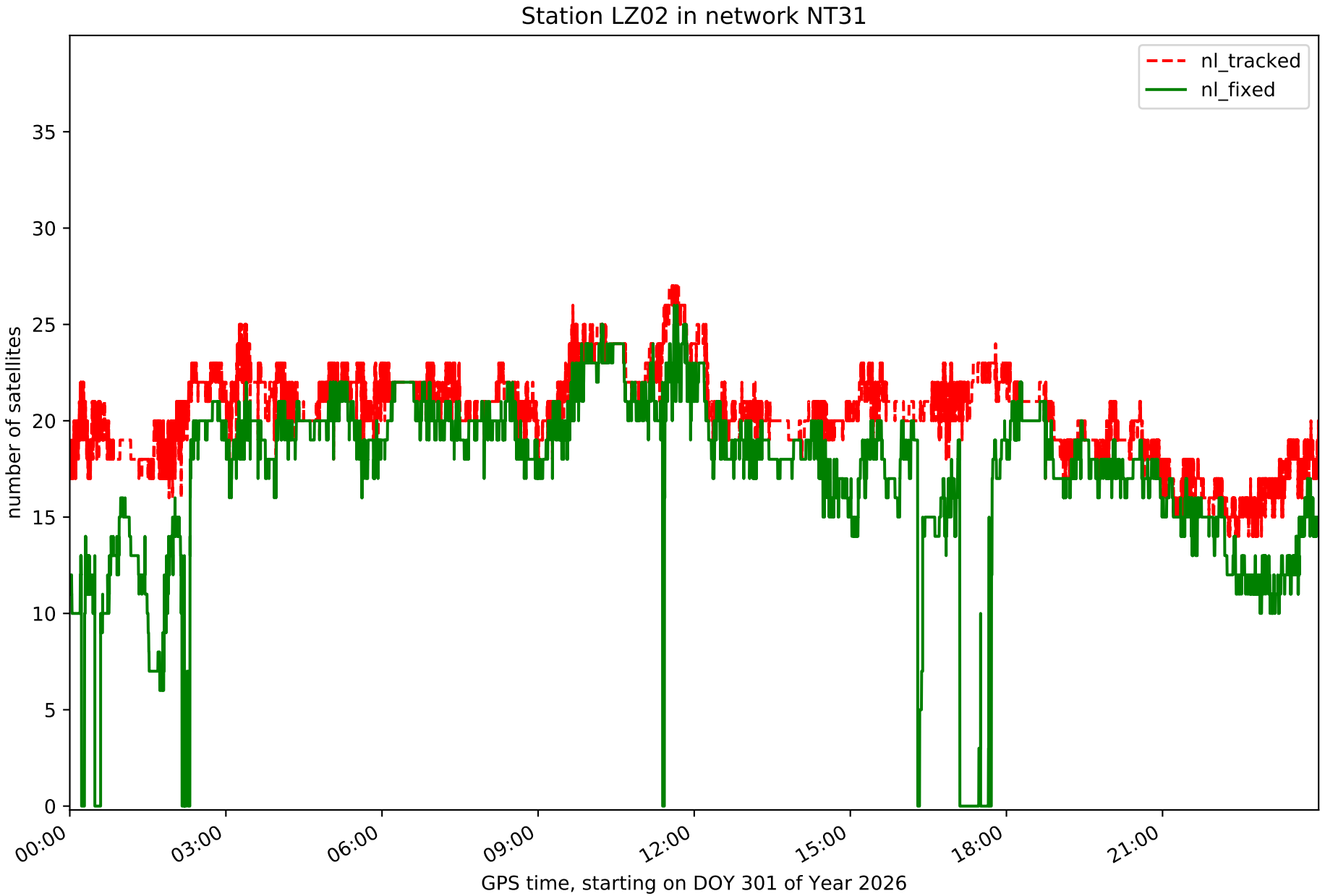

Network NT31 - only BDS with threshold set to 0.3
l2_tracked
l2_fixed (86.2 % fixed)
l6_tracked
l6_fixed (86.2 % fixed)
number of satellites
0
2
4
6
8
10
12
14
16
18
20
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 301 of Year 2026

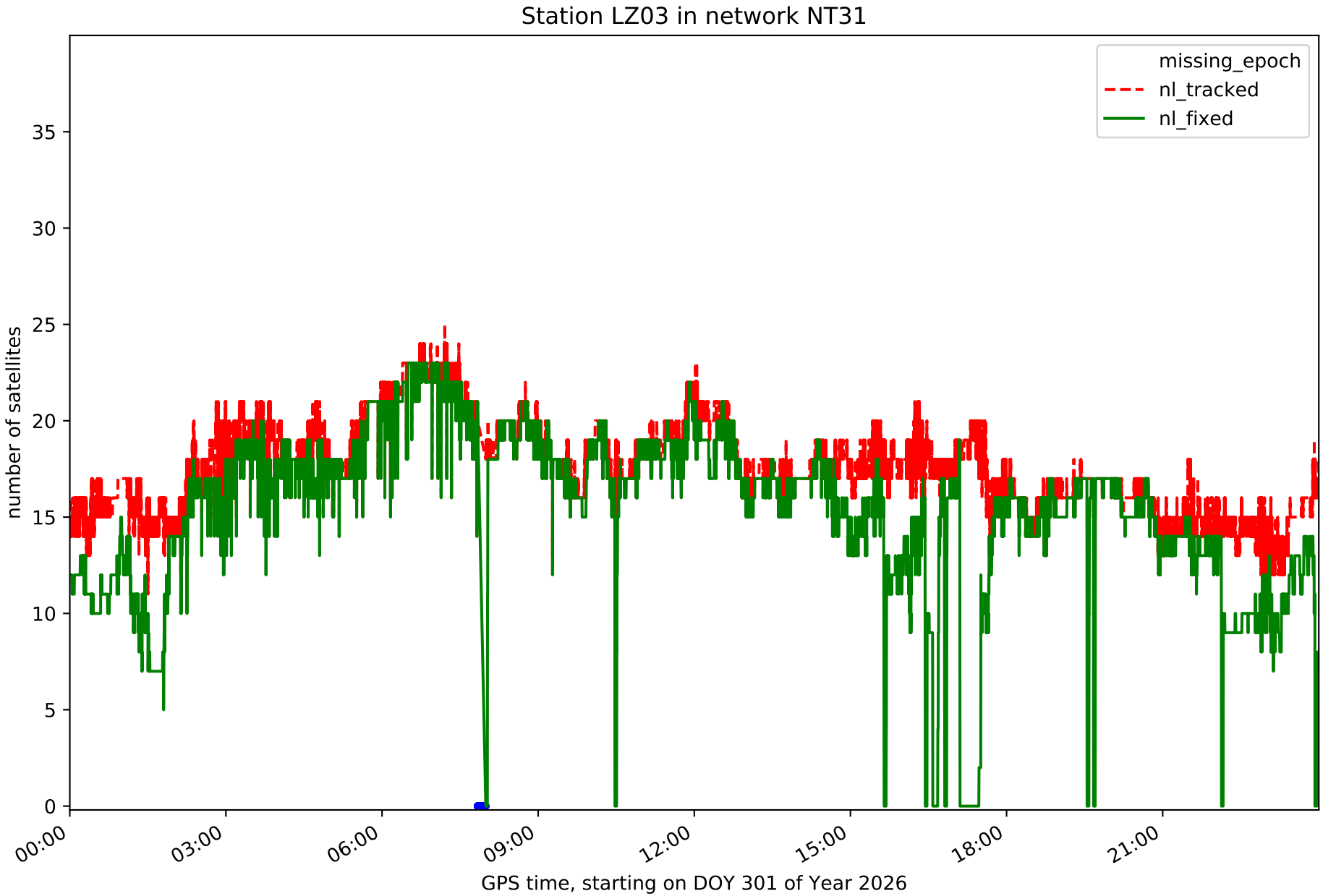

Network NT31 - only Galileo with threshold set to 0.3
number of satellites
GPS time, starting on DOY 301 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
l1_tracked
l1_fixed (89.4 % fixed)
l5_tracked
l5_fixed (89.7 % fixed)
l7_tracked
l7_fixed (89.7 % fixed)

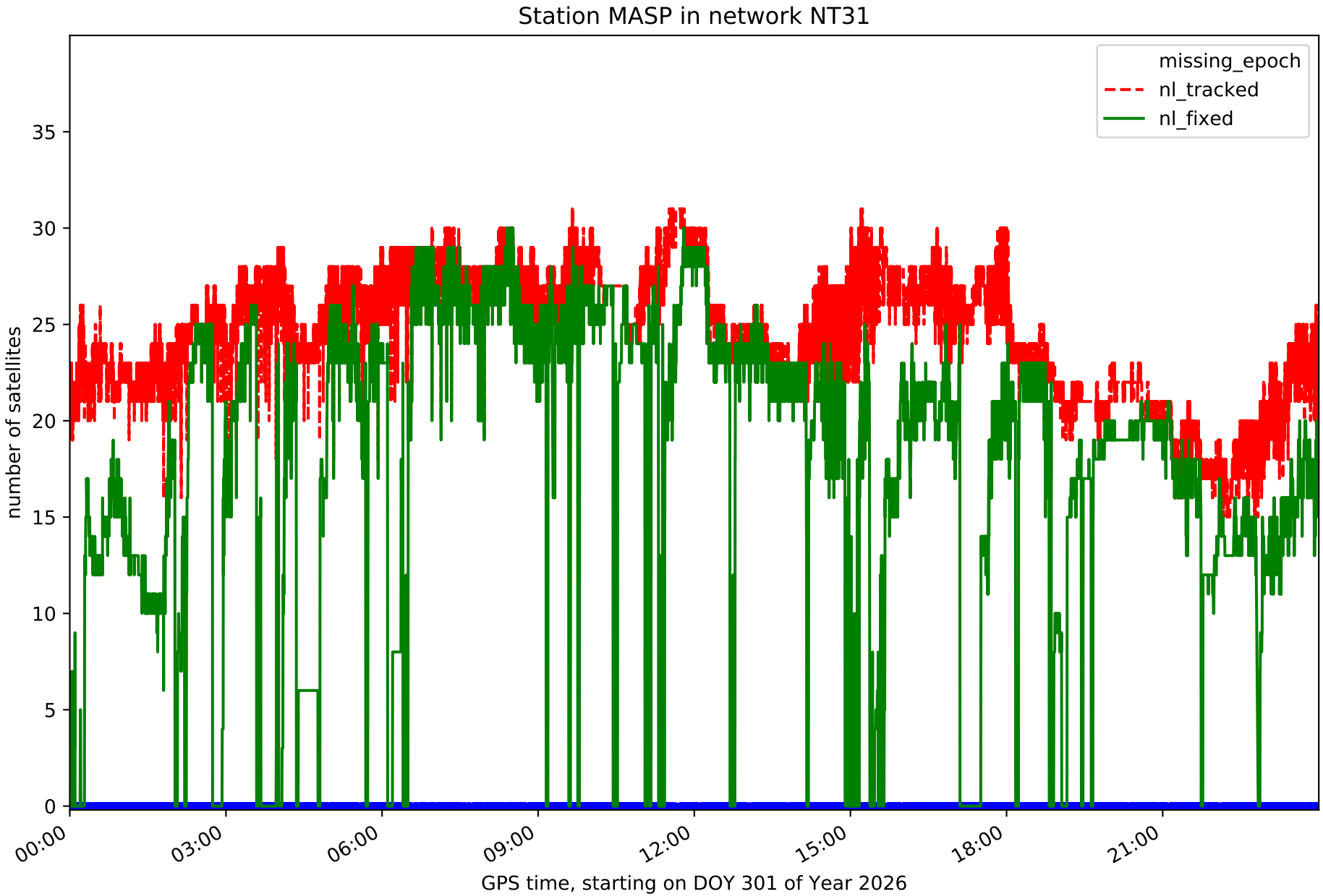

Station FUER in network NT31
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 301 of Year 2026

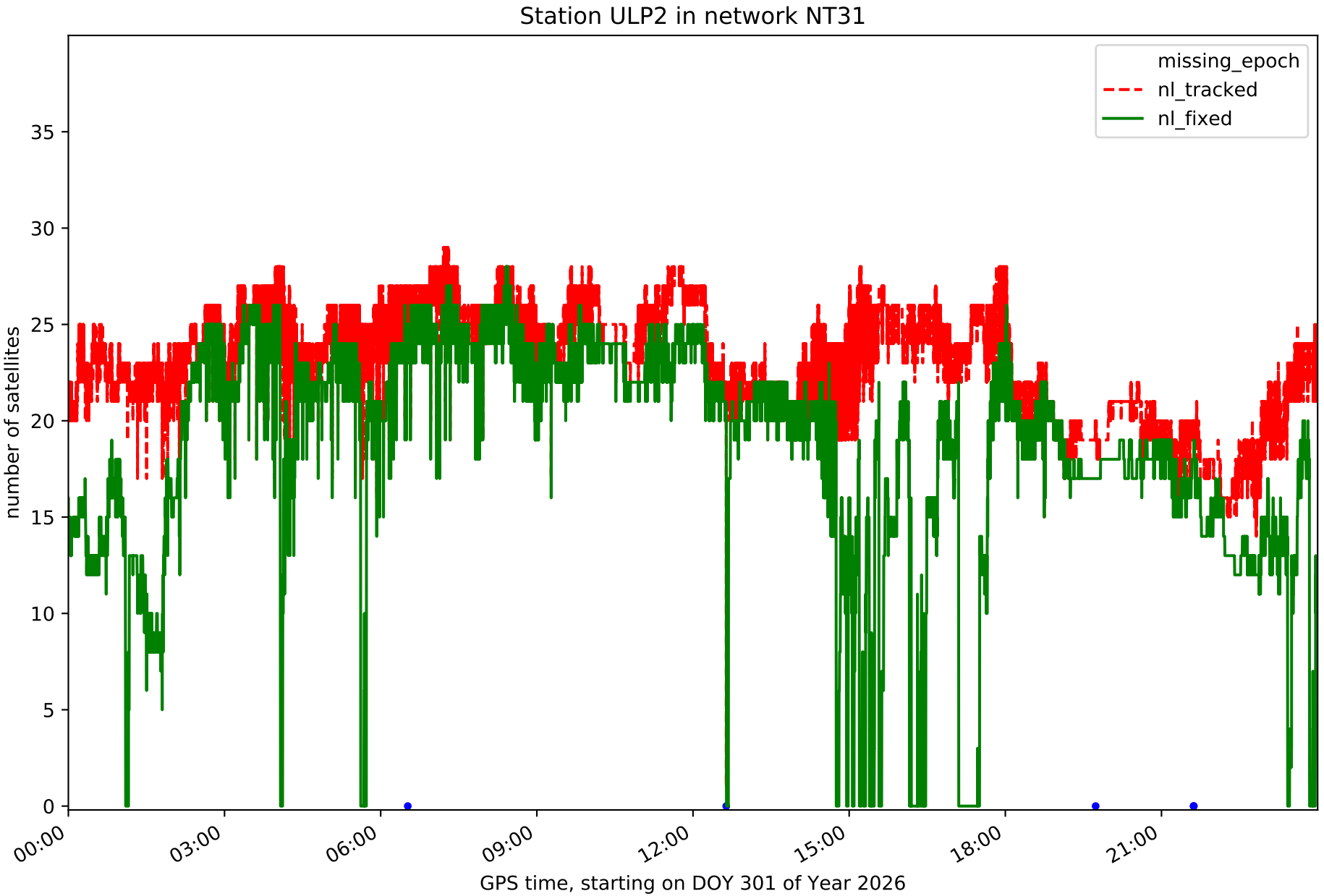

Station LALA in network NT31
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 301 of Year 2026

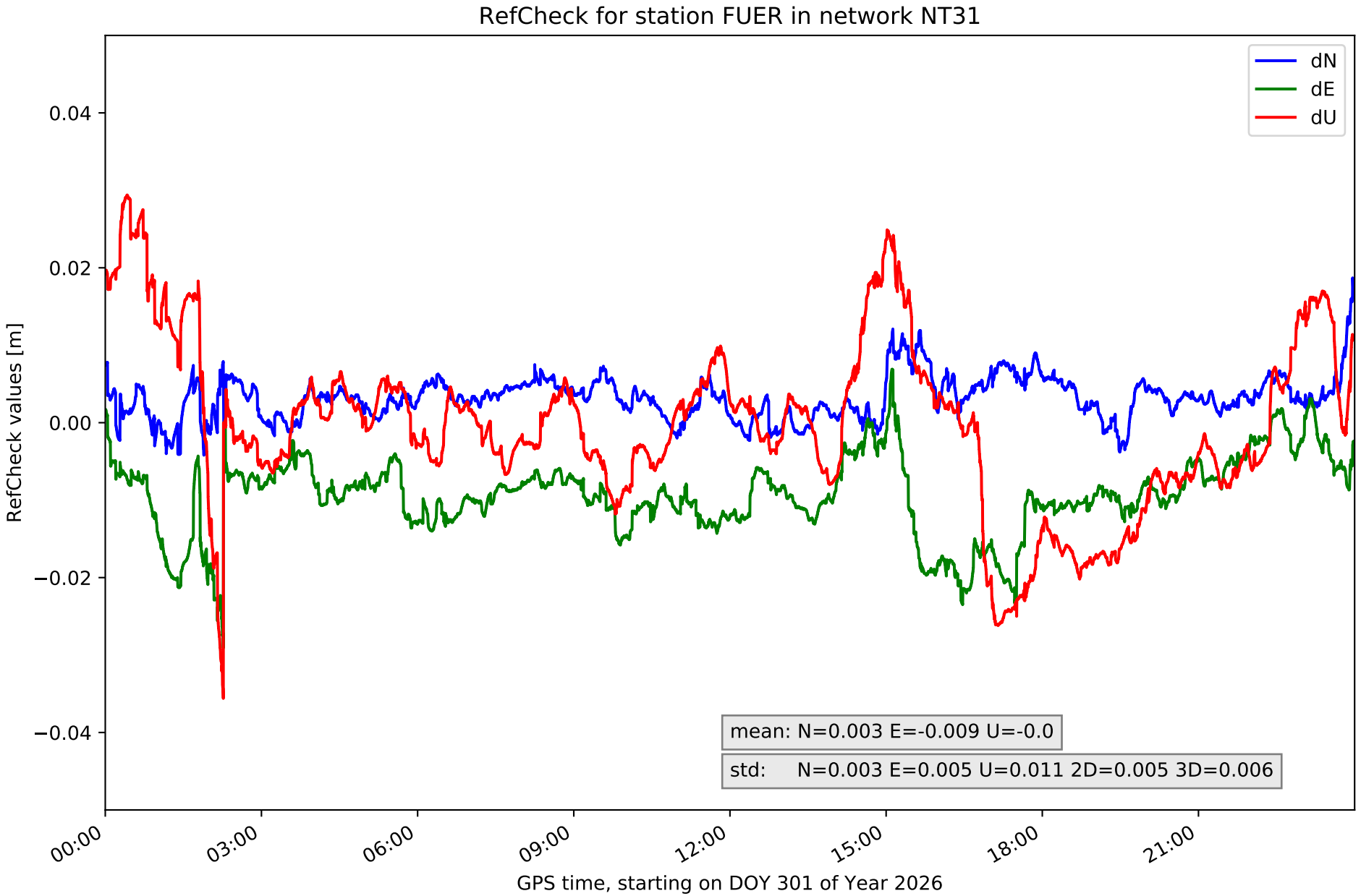

Station LZ01 in network NT31
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 301 of Year 2026

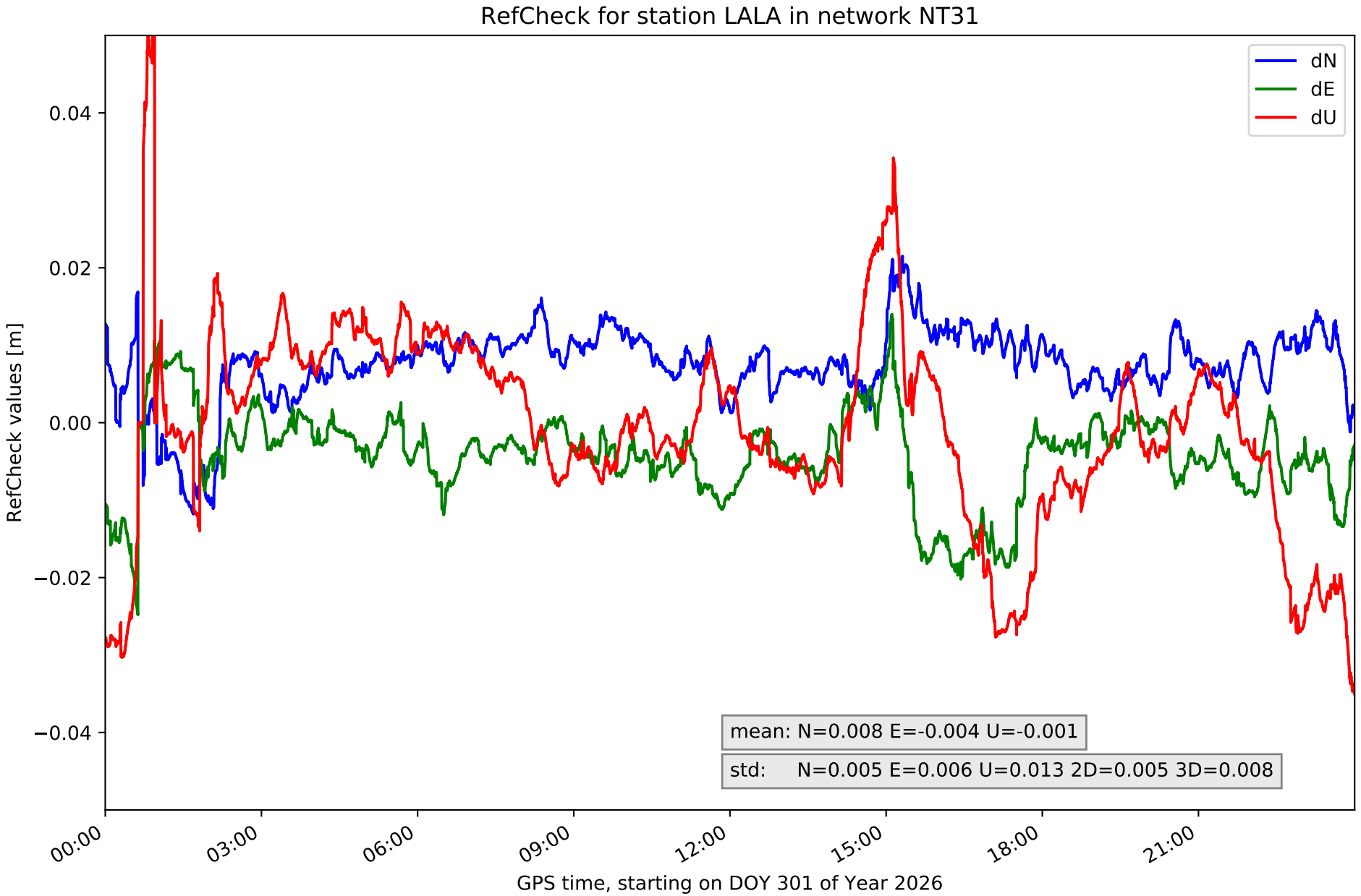

Station LZ02 in network NT31
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 301 of Year 2026

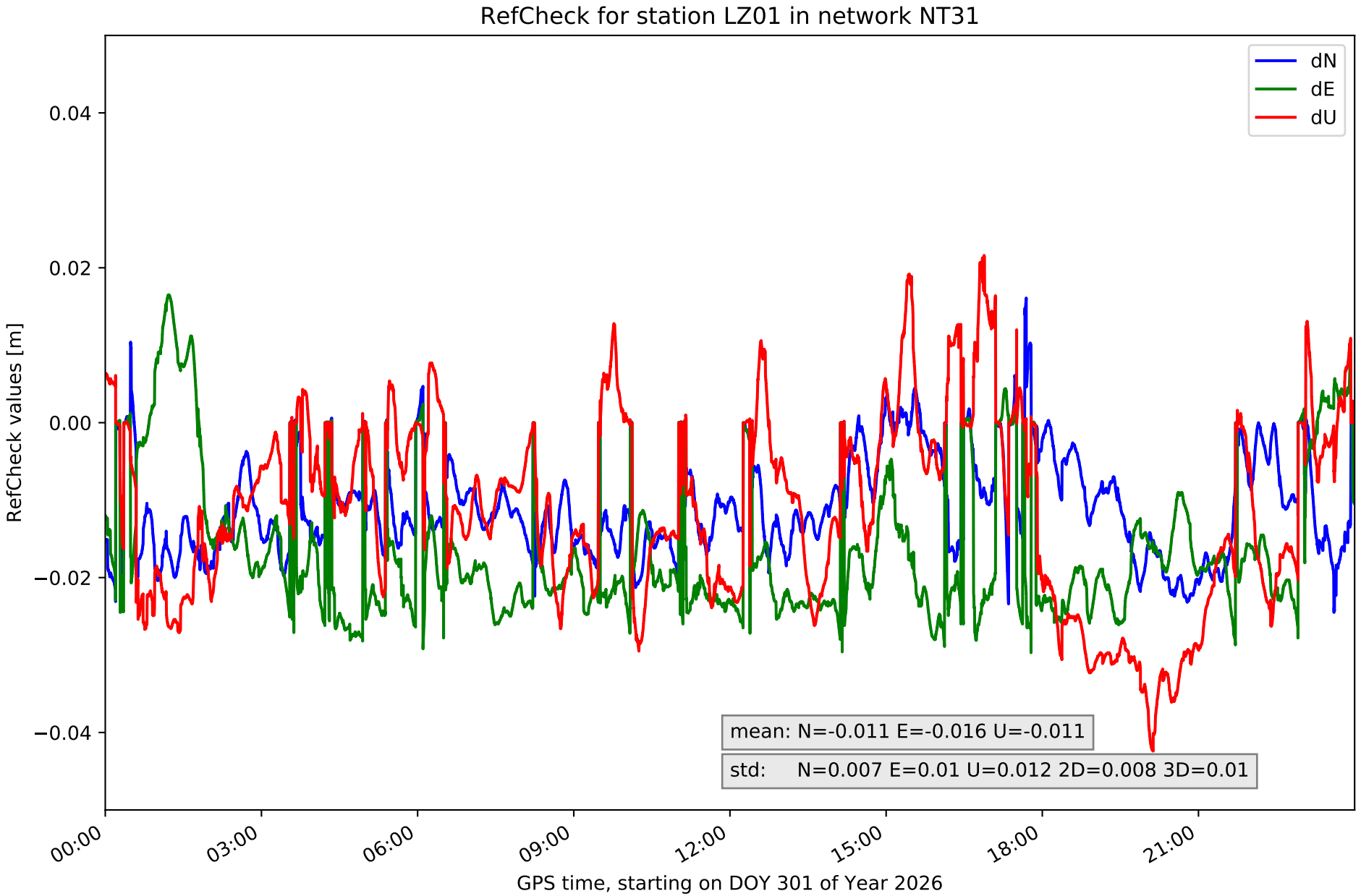

Station LZ03 in network NT31
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 301 of Year 2026

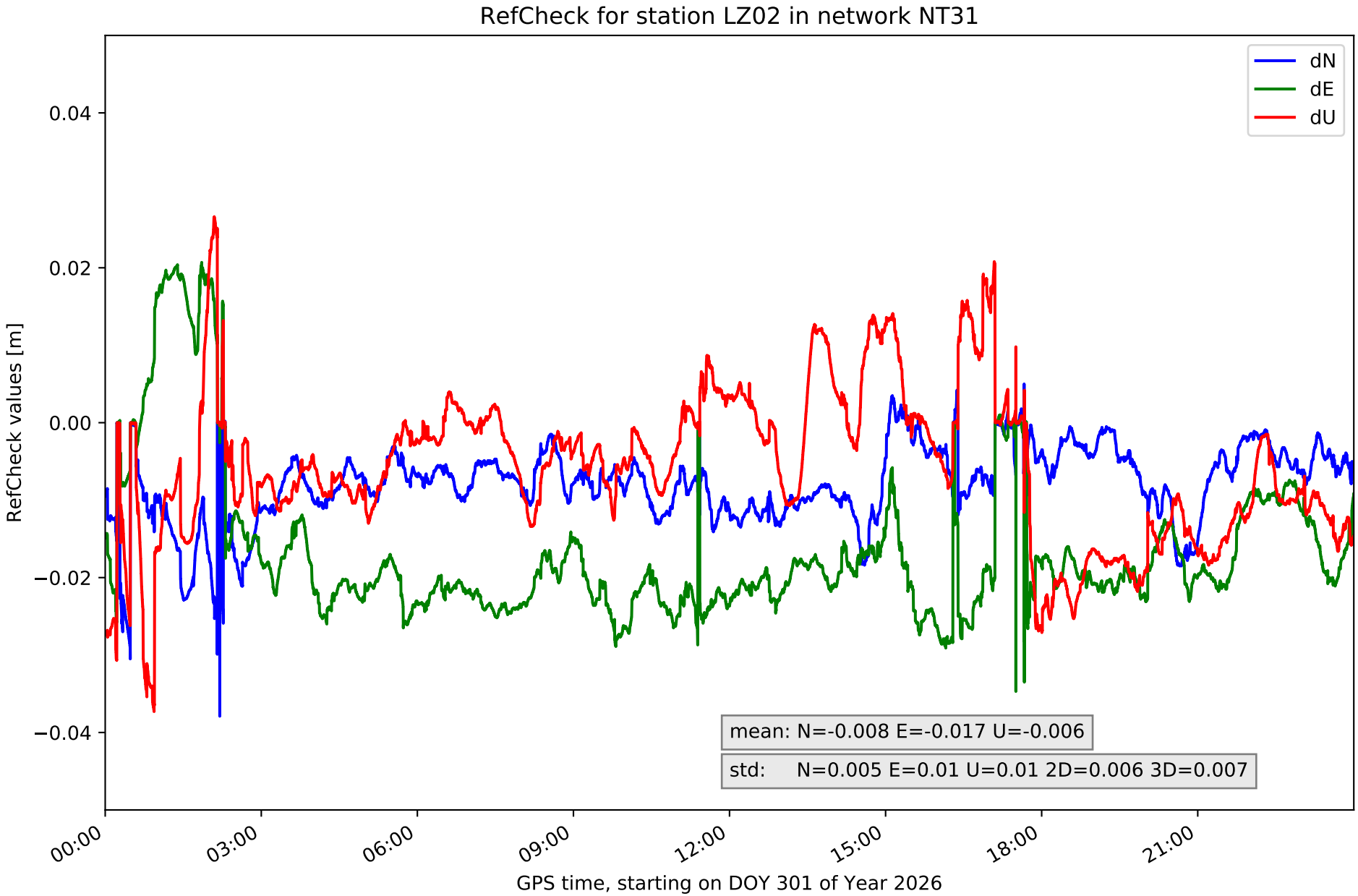

Station MASP in network NT31
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 301 of Year 2026

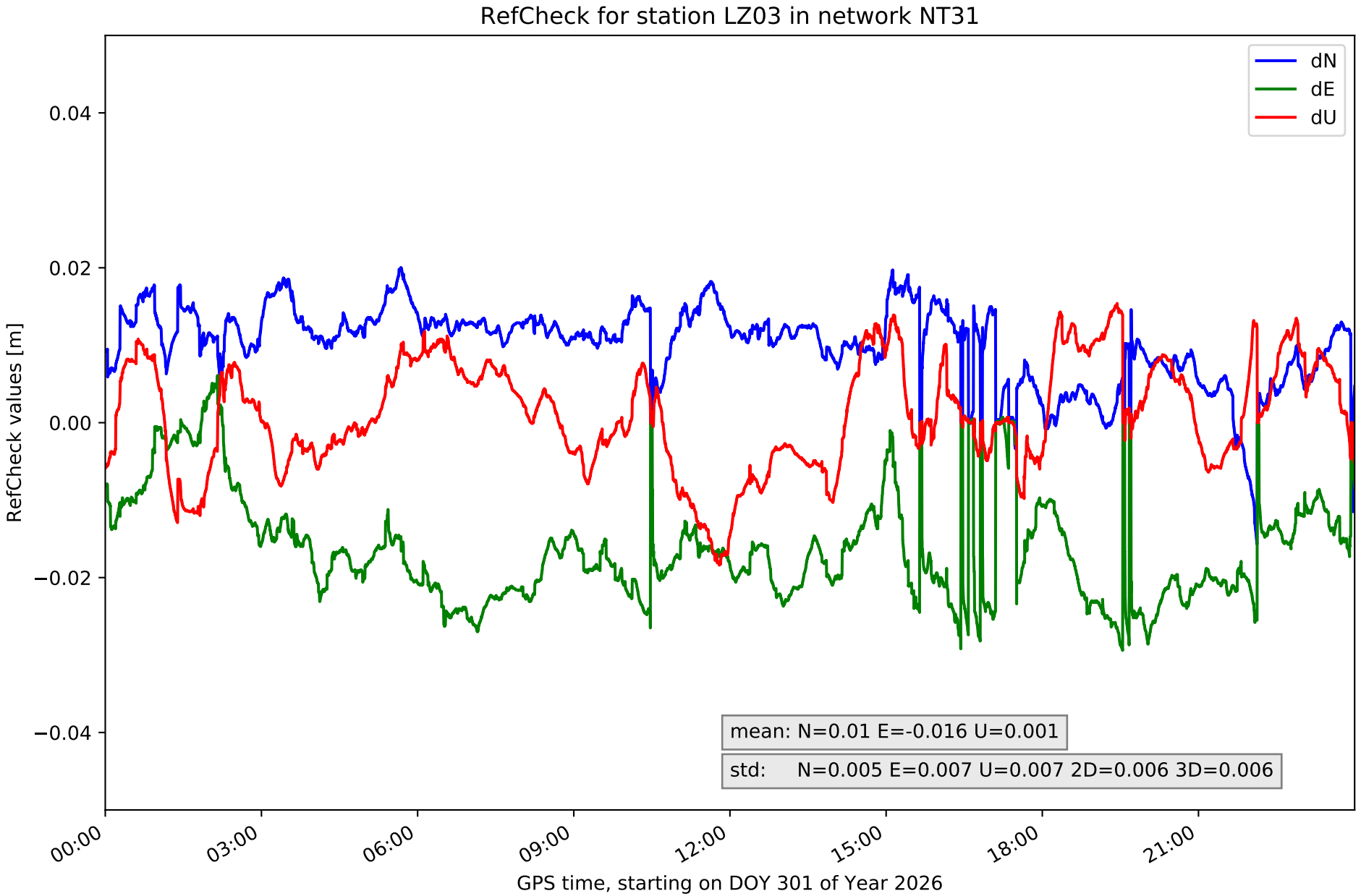

Station ULP2 in network NT31
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 301 of Year 2026

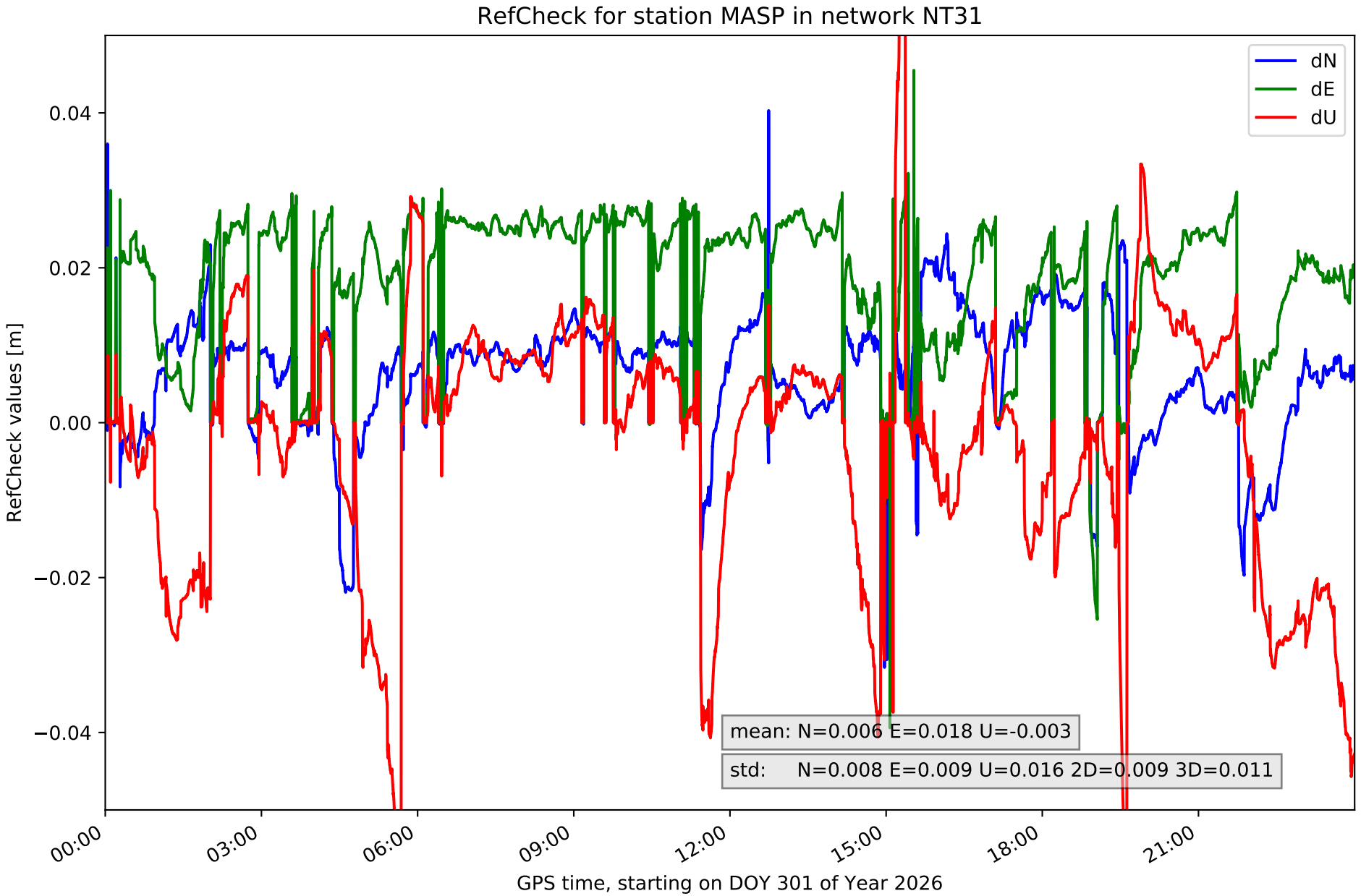

RefCheck for station FUER in network NT31
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.003 E=-0.009 U=-0.0
std: N=0.003 E=0.005 U=0.011 2D=0.005 3D=0.006
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 301 of Year 2026

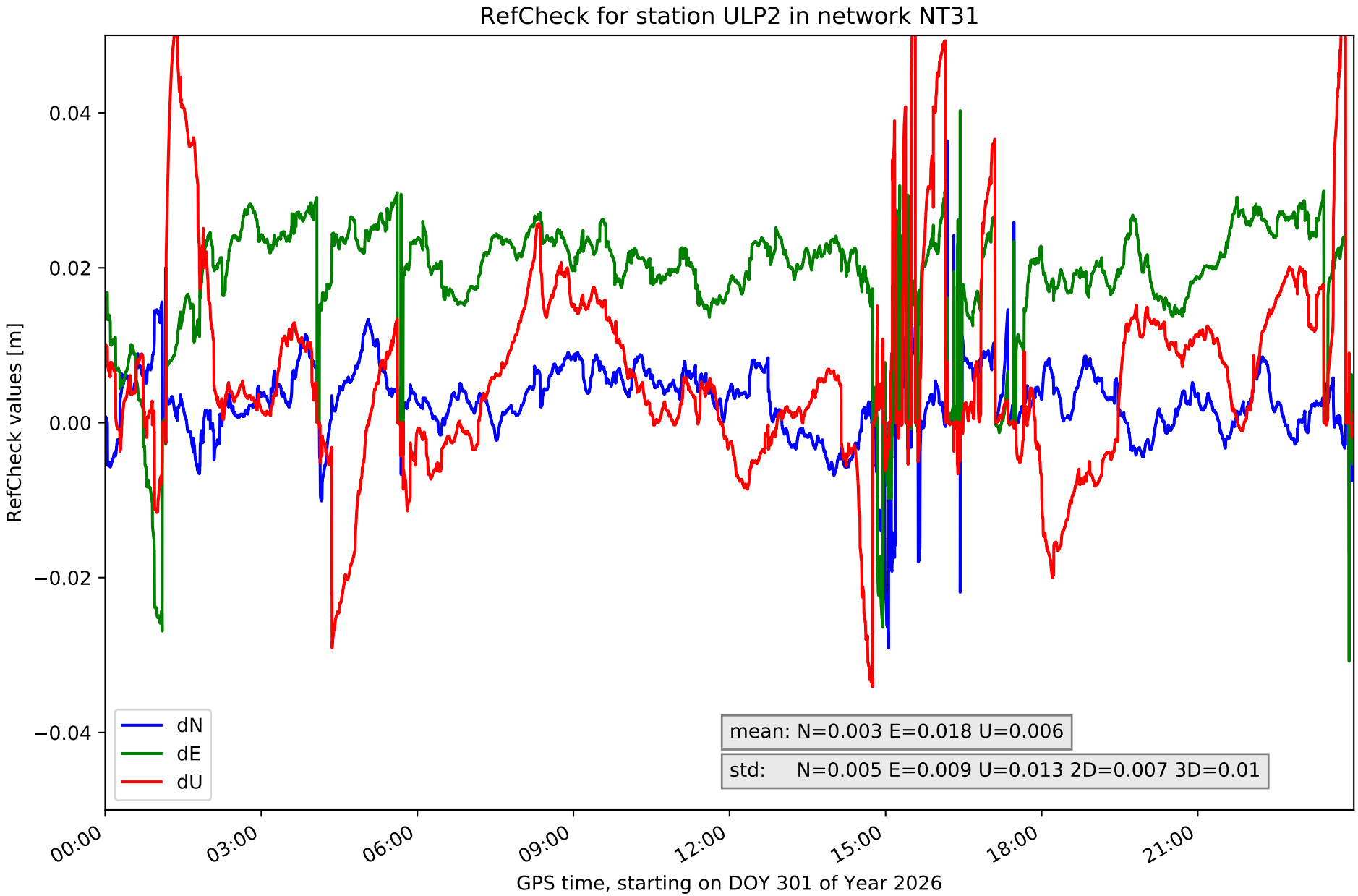

RefCheck for station LALA in network NT31
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.008 E=-0.004 U=-0.001
std: N=0.005 E=0.006 U=0.013 2D=0.005 3D=0.008
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 301 of Year 2026


RefCheck for station LZ01 in network NT31
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.011 E=-0.016 U=-0.011
std: N=0.007 E=0.01 U=0.012 2D=0.008 3D=0.01
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 301 of Year 2026


RefCheck for station LZ02 in network NT31
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.008 E=-0.017 U=-0.006
std: N=0.005 E=0.01 U=0.01 2D=0.006 3D=0.007
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 301 of Year 2026


RefCheck for station LZ03 in network NT31
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.01 E=-0.016 U=0.001
std: N=0.005 E=0.007 U=0.007 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 301 of Year 2026


RefCheck for station MASP in network NT31
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.006 E=0.018 U=-0.003
std: N=0.008 E=0.009 U=0.016 2D=0.009 3D=0.011
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 301 of Year 2026


RefCheck for station ULP2 in network NT31
RefCheck values [m]
0.04
0.02
0.00
−0.02
−0.04
dN
dE
dU
mean: N=0.003 E=0.018 U=0.006
std: N=0.005 E=0.009 U=0.013 2D=0.007 3D=0.01
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 301 of Year 2026

RefCheck values for network NT31

Station	Nmin	Nmax	Nstd	Emin	Emax	Estd	Umin	Umax	Ustd	std2D	std3D	#2D > 0.01	% 2D > 0.01	#3D > 0.02	% 3D > 0.02
FUER	-0.004	0.019	0.003	-0.029	0.007	0.005	-0.036	0.029	0.011	0.005	0.006	38724	48.7	15669	19.7
LALA	-0.012	0.021	0.005	-0.025	0.014	0.006	-0.035	0.062	0.013	0.005	0.008	36211	45.5	17515	22.0
LZ01	-0.025	0.016	0.007	-0.03	0.017	**0.01**	-0.042	0.022	0.012	0.008	0.01	71452	89.8	63584	79.9
LZ02	**-0.038**	0.005	0.005	-0.035	0.021	**0.01**	-0.037	0.027	0.01	0.006	0.007	73506	92.4	63650	80.0
LZ03	-0.016	0.02	0.005	-0.029	0.006	0.007	-0.018	0.015	0.007	0.006	0.006	**75584**	**95.0**	54291	68.2
MASP	-0.032	**0.04**	**0.008**	**-0.039**	**0.045**	0.009	**-0.06**	0.06	**0.016**	**0.009**	**0.011**	69687	87.6	**66068**	**83.0**
ULP2	-0.029	0.036	0.005	-0.031	0.04	0.009	-0.034	**0.065**	0.013	0.007	0.01	72146	90.7	57467	72.2
Mean	**-0.022**	**0.022**	**0.005**	**-0.031**	**0.021**	**0.008**	**-0.037**	**0.04**	**0.012**	**0.007**	**0.008**	**62472.9**	**78.5**	**48320.6**	**60.7**
Min/Max	**-0.038**	**0.04**	**0.008**	**-0.039**	**0.045**	**0.01**	**-0.06**	**0.065**	**0.016**	**0.009**	**0.011**	**75584**	**95.0**	**66068**	**83.0**

fixing statistic for network NT31

fixing percentage of	all GNSS	G	R	E	C
using threshold 0.3	87.2	90.9	78.9	89.4	86.2
considering satellites with dual-frequency fixed	82.2	85.4	72.8	84.3	84.3
considering all signals separately	83.2	85.7	72.9	85.2	84.3