summary for network NT13

timeperiod chosen: from 2026-11-05-00:00:00 until 2026-11-05-23:59:58

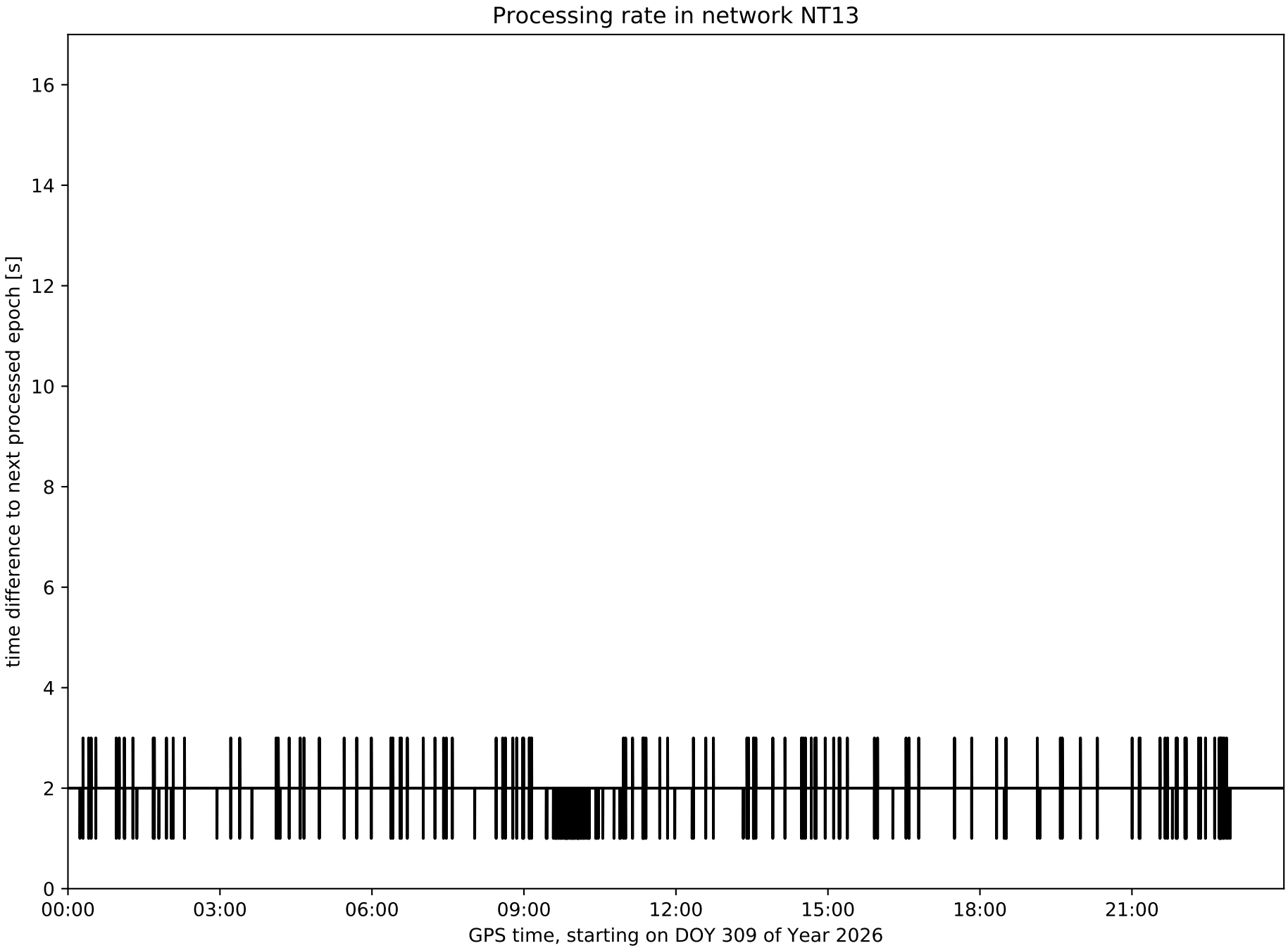
average update rate (durations larger than 15 seconds considered as observation gap): 2.0 seconds

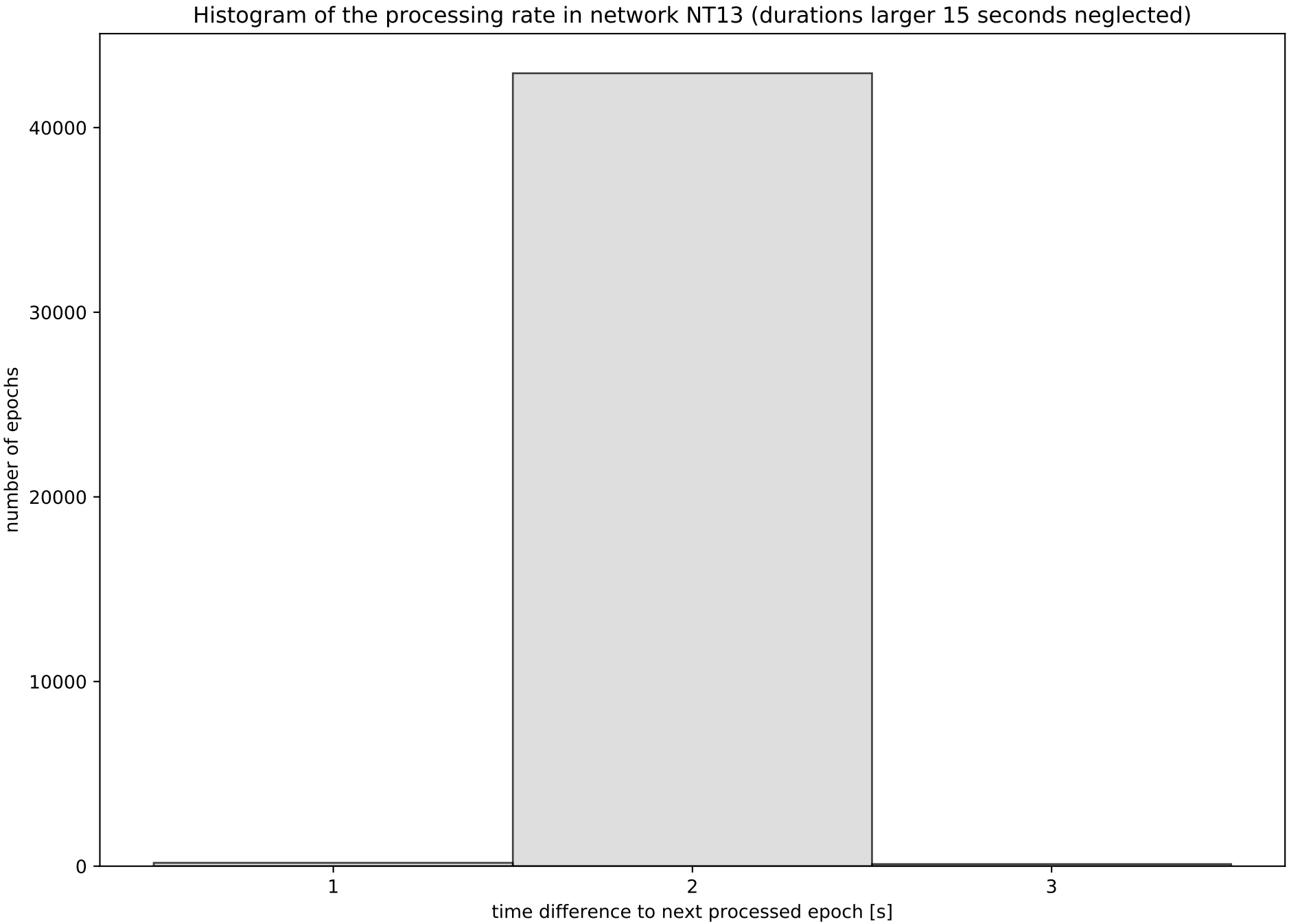
average fixing percentage with threshold set to 0.3: 91.3 percent

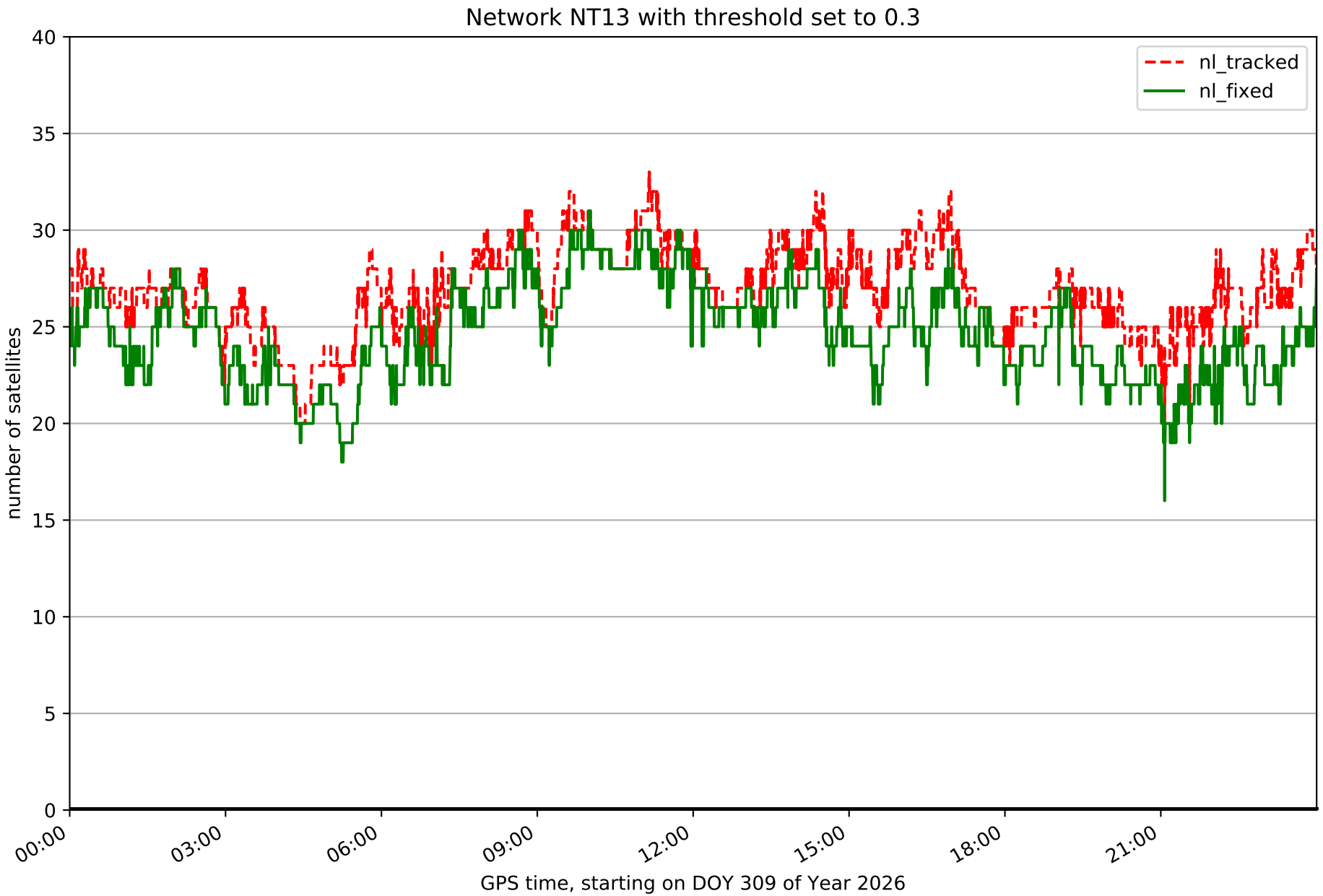
stations available: 16 of 17

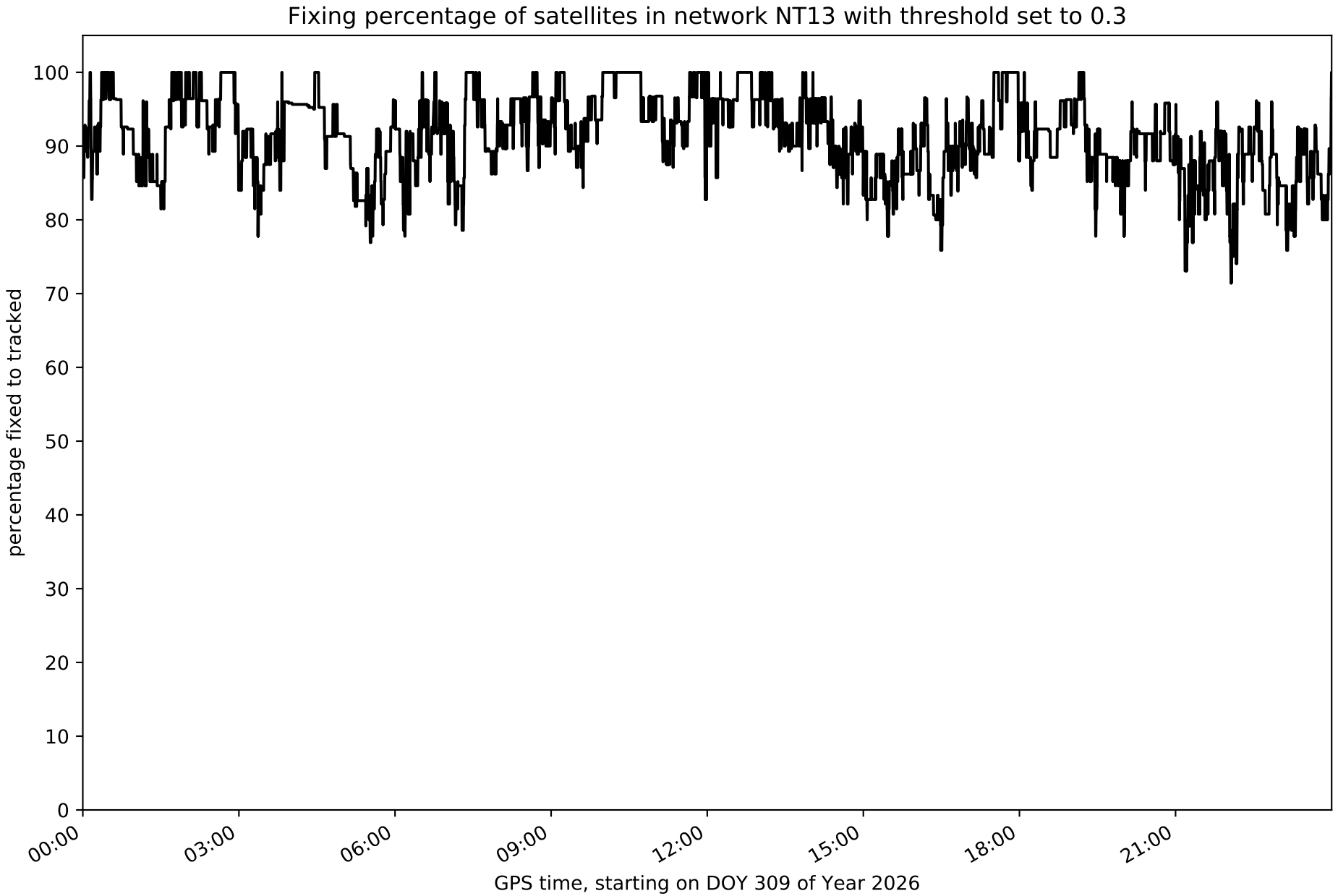
station information:

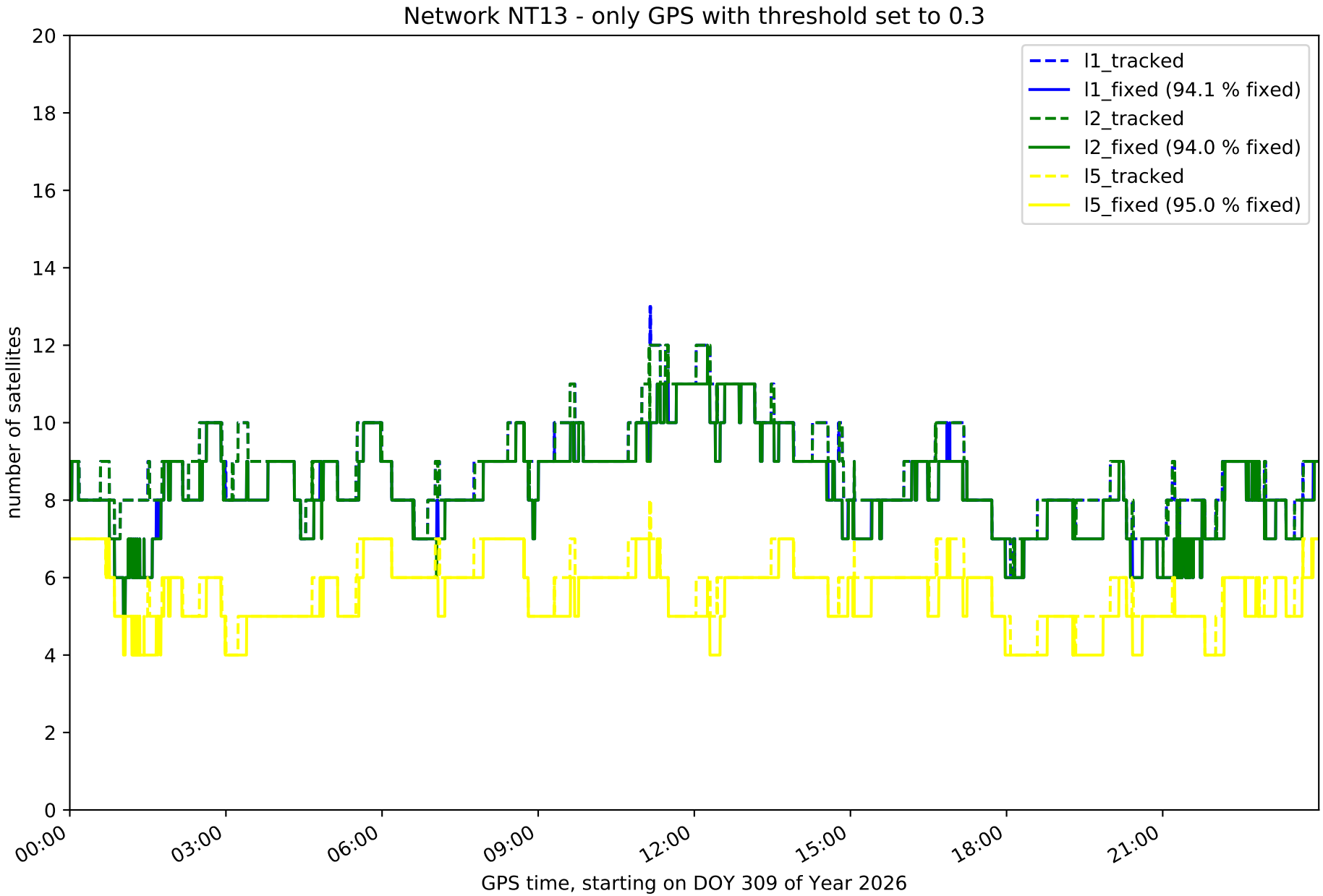
station ALGC:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 117.174
station AND2:	antenna: LEIAR20 LEIM	receiver: LEICA GR50	height: 284.271
station ARAC:	antenna: LEIAR20 LEIM	receiver: LEICA GR25	height: 725.109
station CABR:	antenna: LEIAT504_____LEIS	receiver: LEICA GR25	height: 572.14
station CAZA:	antenna: LEIAR20 LEIM	receiver: LEICA GR25	height: 663.118
station CRDB:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 196.085
station HUEL:	antenna: LEIAR20 LEIM	receiver: LEICA GR50	height: 81.911
station LEBR:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 77.6
station MALA:	antenna: LEIAR25.R4 LEIT	receiver: LEICA GR25	height: 122.872
station MOFR:	antenna: TRM57971.00 TZGD	receiver: TRIMBLE NETR9	height: 276.416
station MOTR:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 166.935
station OSUN:	antenna: GPPNULLANTENNA NONE	receiver: TRIMBLE NETR9	height: 363.146
station RON1:	antenna: GPPNULLANTENNA NONE	receiver: TRIMBLE NETR9	height: 820.775
station SEV1:	antenna: TRM59900.00 SCIS	receiver: TRIMBLE NETR9	height: 69.741
station TAR0:	antenna: LEIAR20 LEIM	receiver: LEICA GR25	height: 50.072
station UCA1:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 67.722

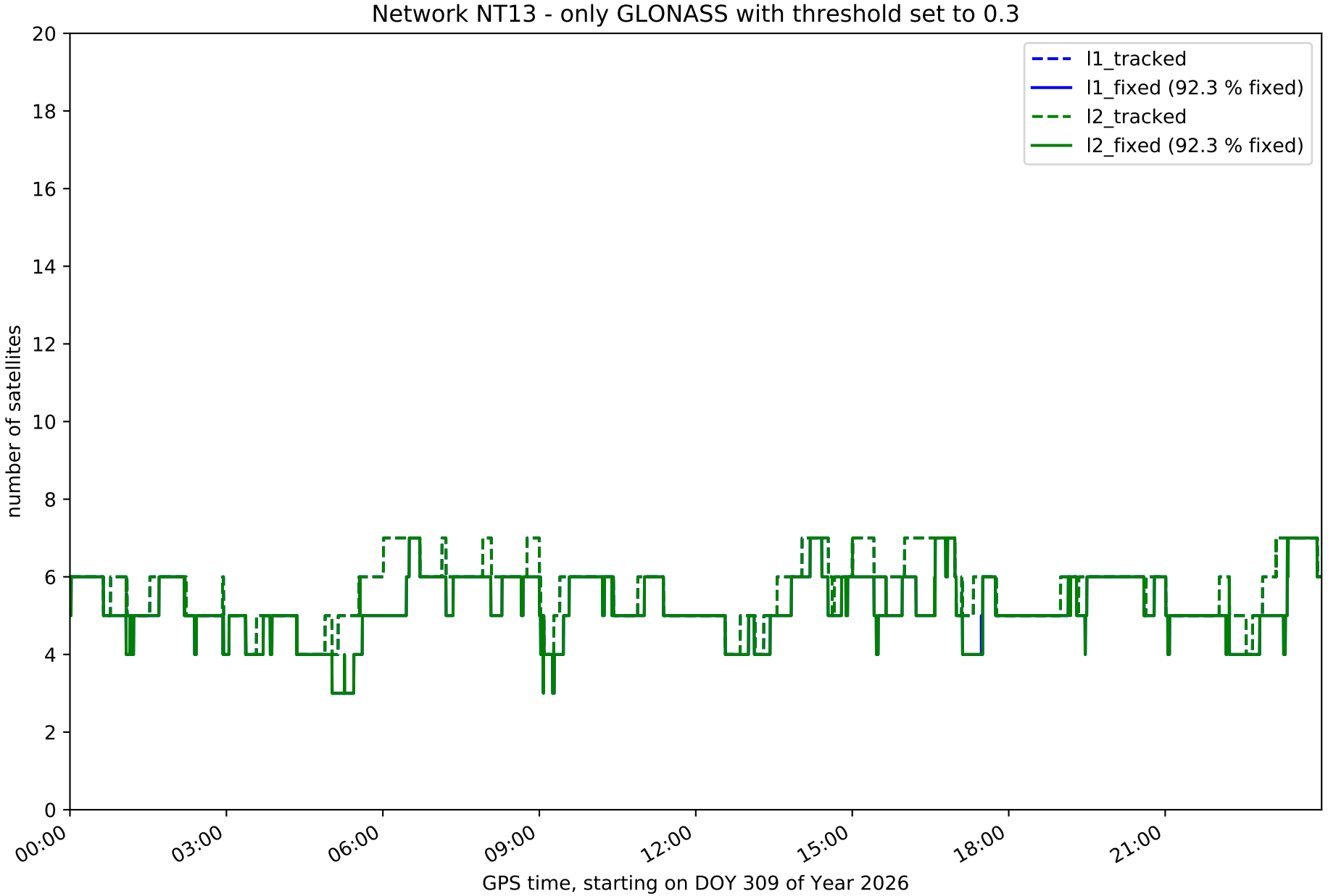

Processing rate in network NT13
time difference to next processed epoch [s]
0
2
4
6
8
10
12
14
16
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

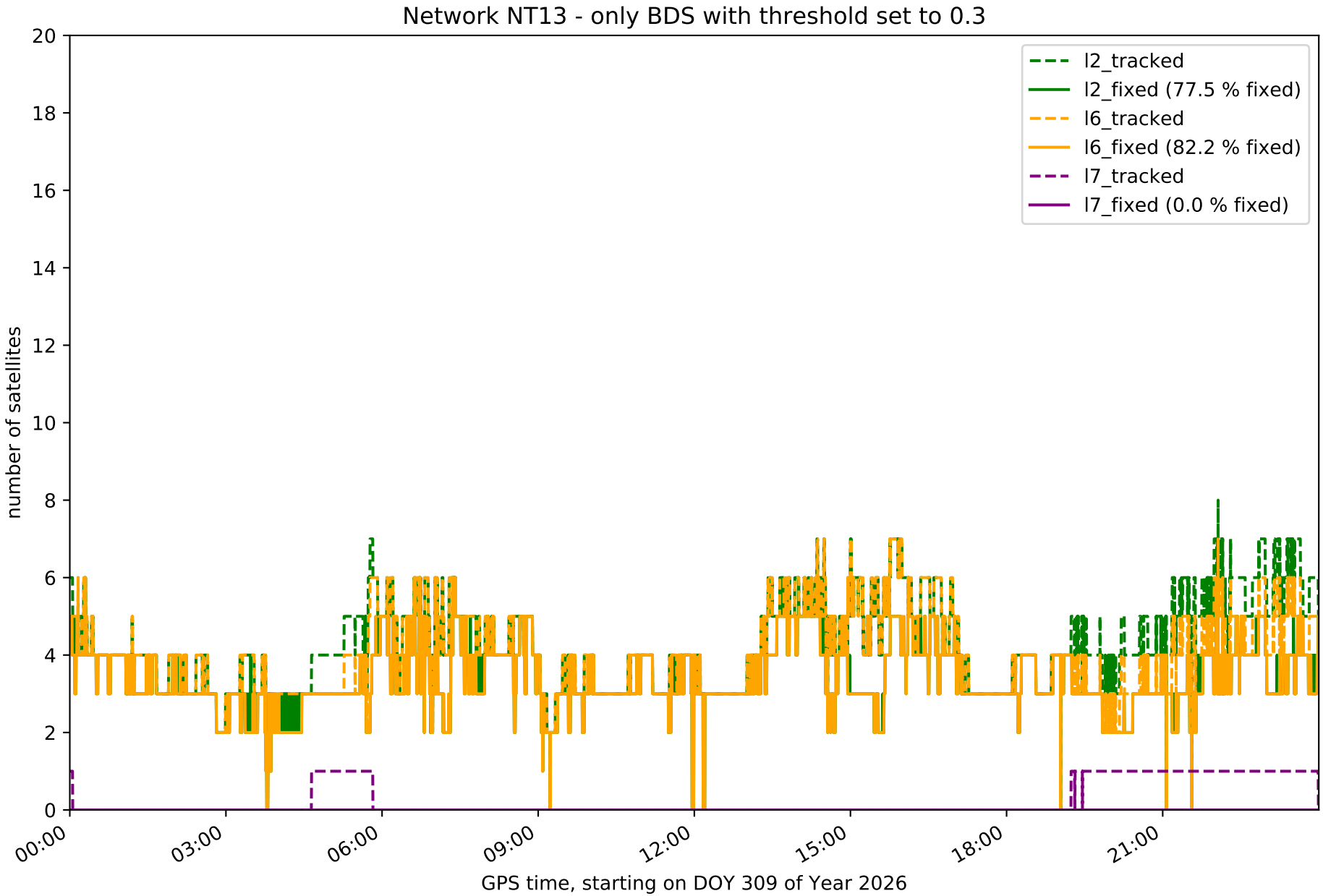

Histogram of the processing rate in network NT13 (durations larger 15 seconds neglected)
number of epochs
0
10000
20000
30000
40000
1
2
3
time difference to next processed epoch [s]

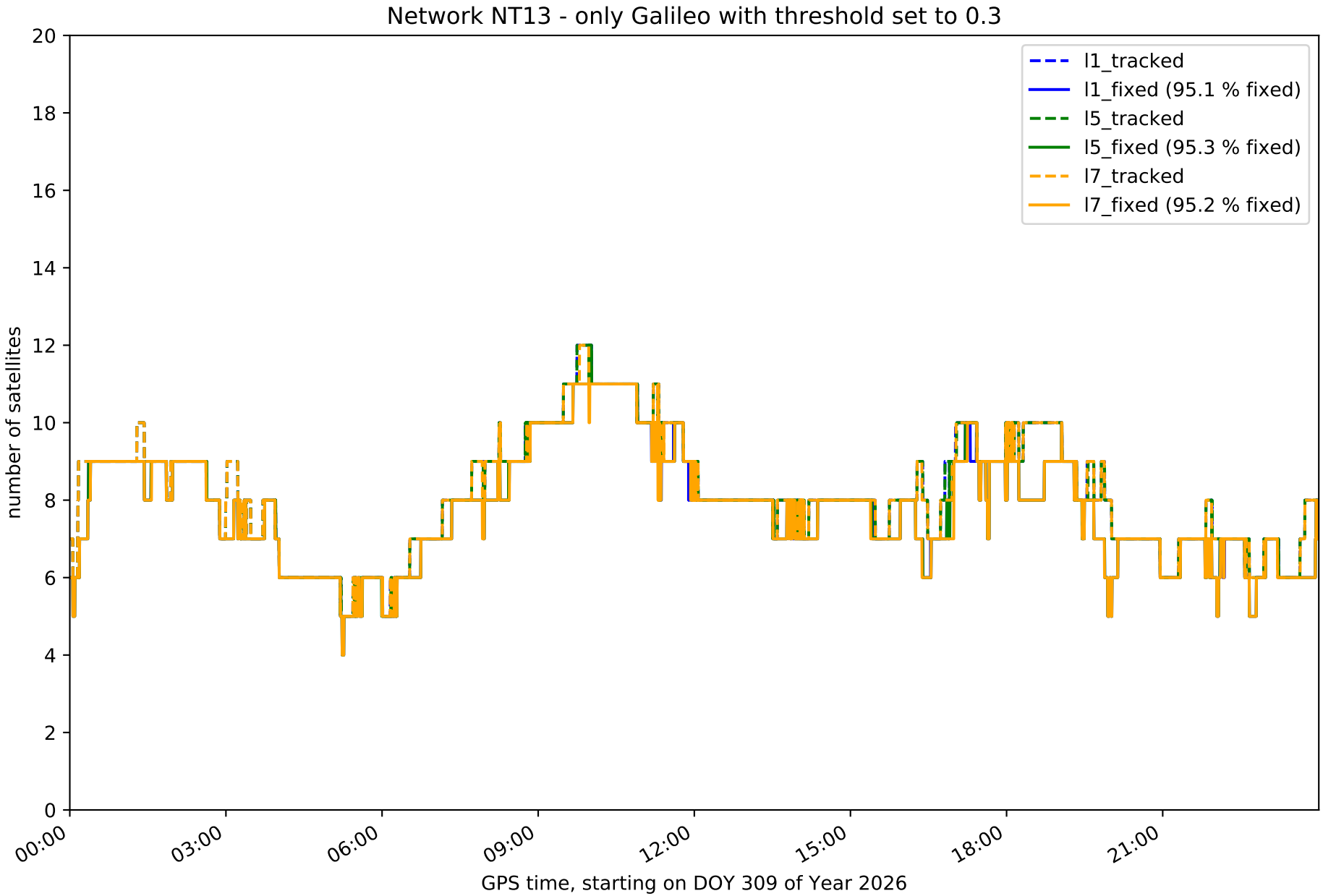

Network NT13 with threshold set to 0.3
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
40
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

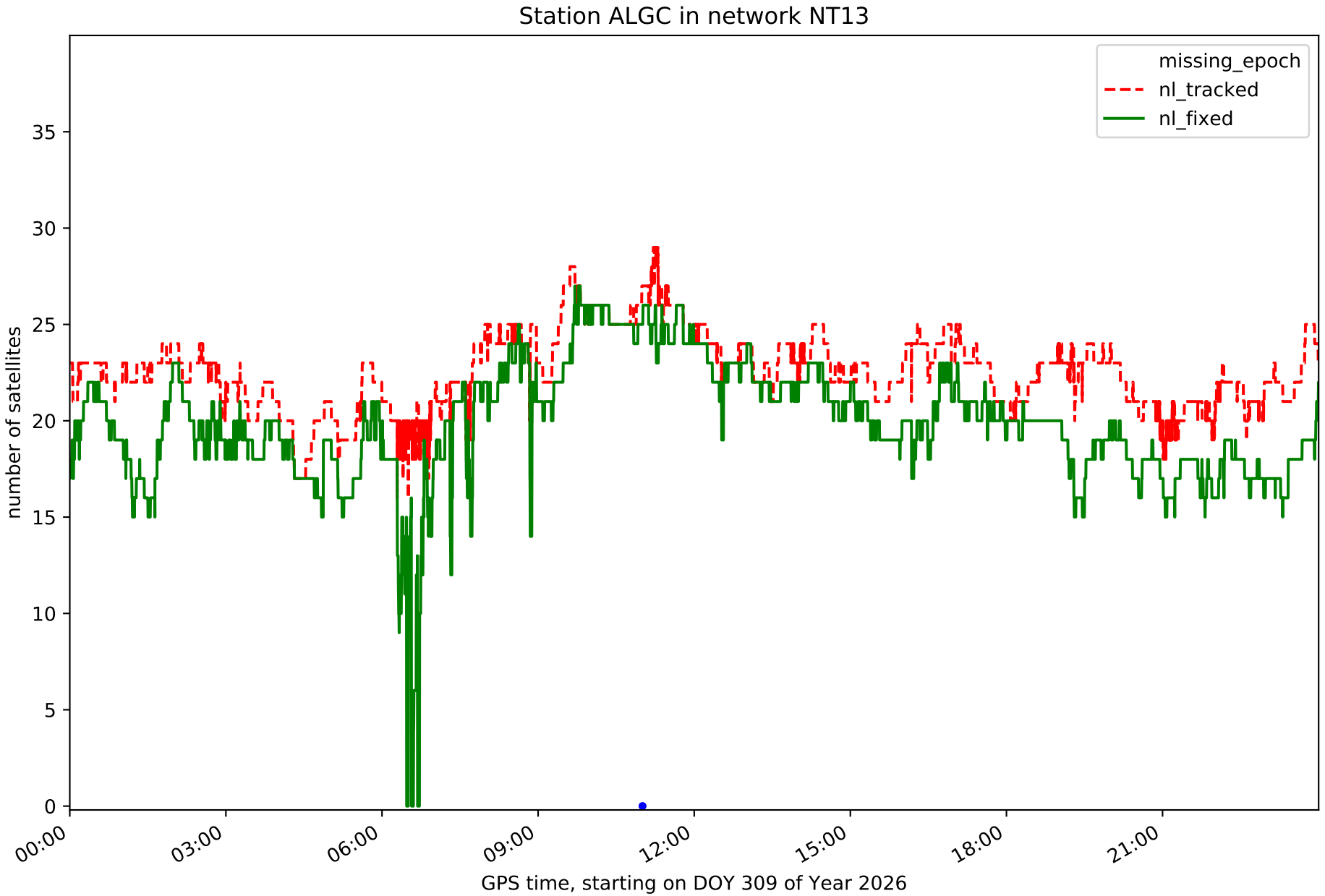

Fixing percentage of satellites in network NT13 with threshold set to 0.3
percentage fixed to tracked
100
90
80
70
60
50
40
30
20
10
0
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

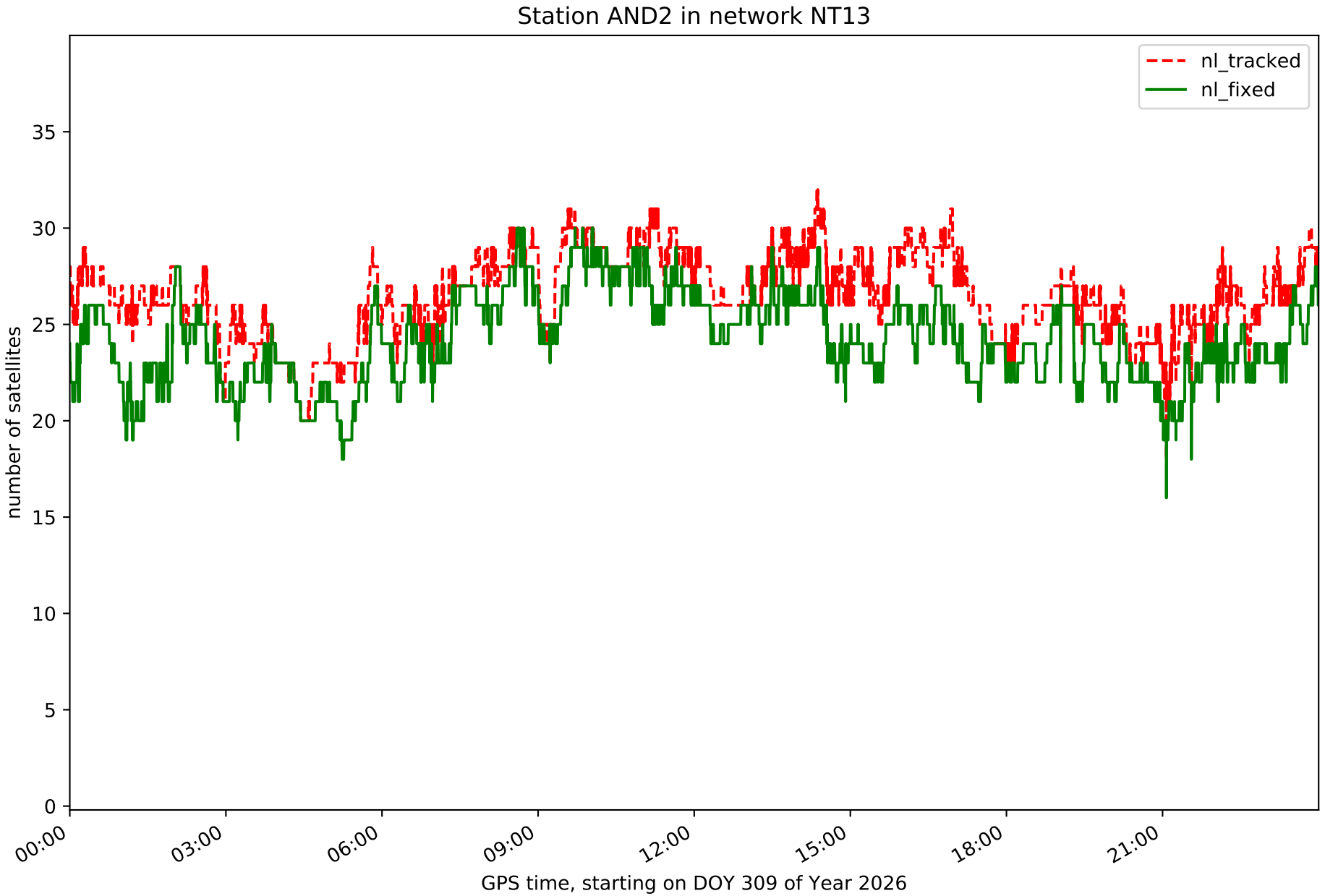

Network NT13 - only GPS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 309 of Year 2026
l1_tracked
l1_fixed (94.1 % fixed)
l2_tracked
l2_fixed (94.0 % fixed)
l5_tracked
l5_fixed (95.0 % fixed)
0
2
4
6
8
10
12
14
16
18
20
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00

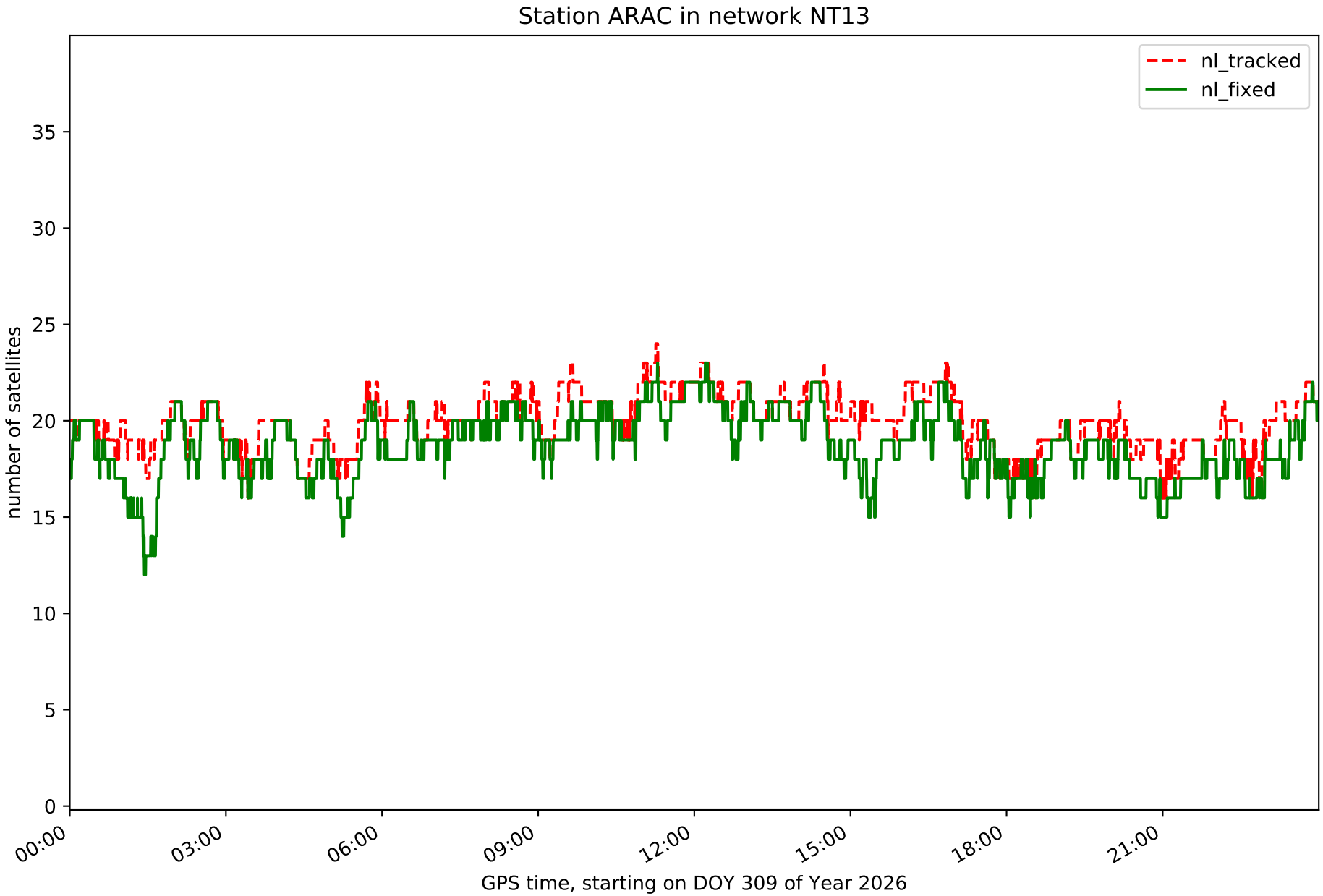

Network NT13 - only GLONASS with threshold set to 0.3
l1_tracked
l1_fixed (92.3 % fixed)
l2_tracked
l2_fixed (92.3 % fixed)
number of satellites
0
2
4
6
8
10
12
14
16
18
20
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

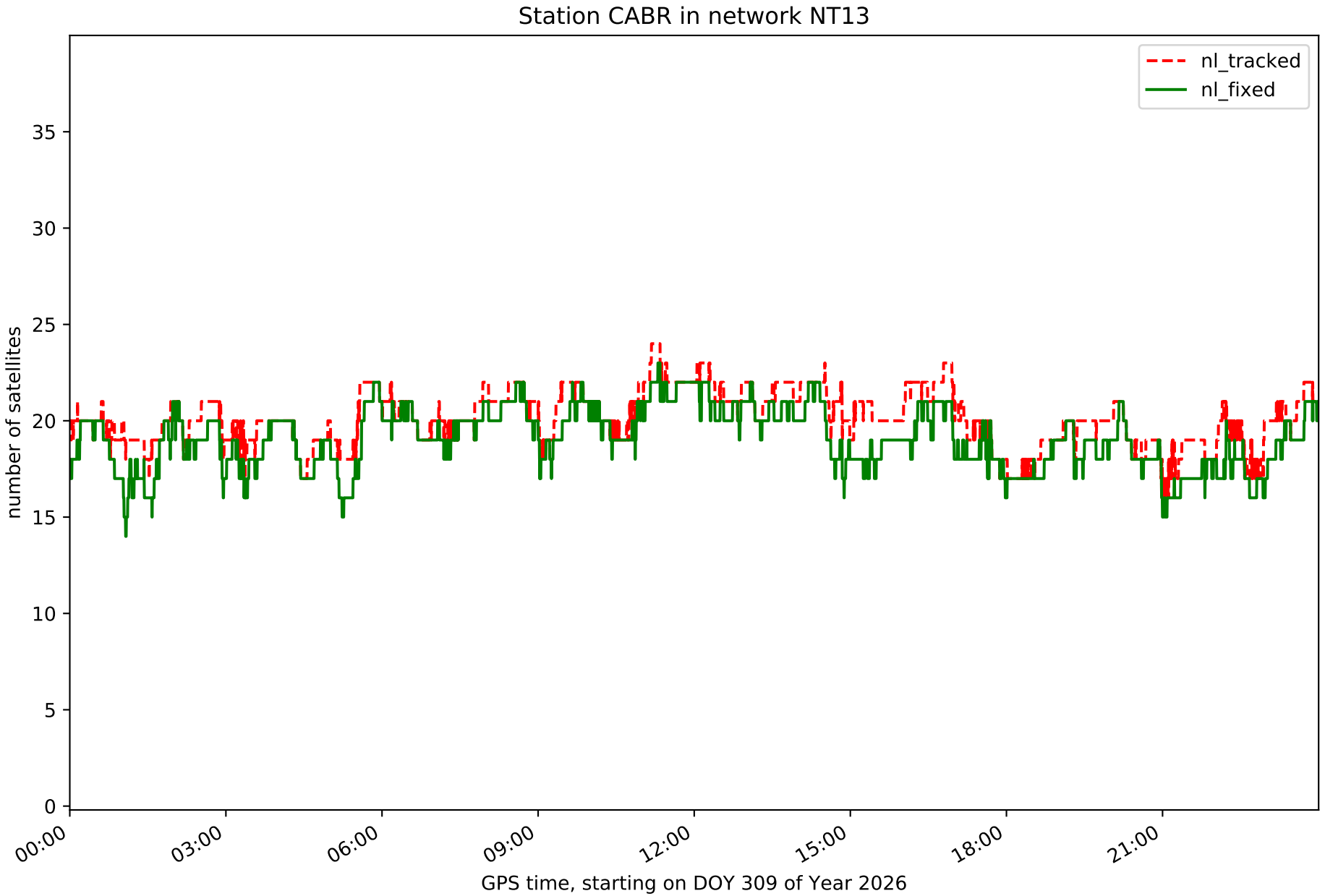

Network NT13 - only BDS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 309 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
I2_tracked
I2_fixed (77.5 % fixed)
I6_tracked
I6_fixed (82.2 % fixed)
I7_tracked
I7_fixed (0.0 % fixed)

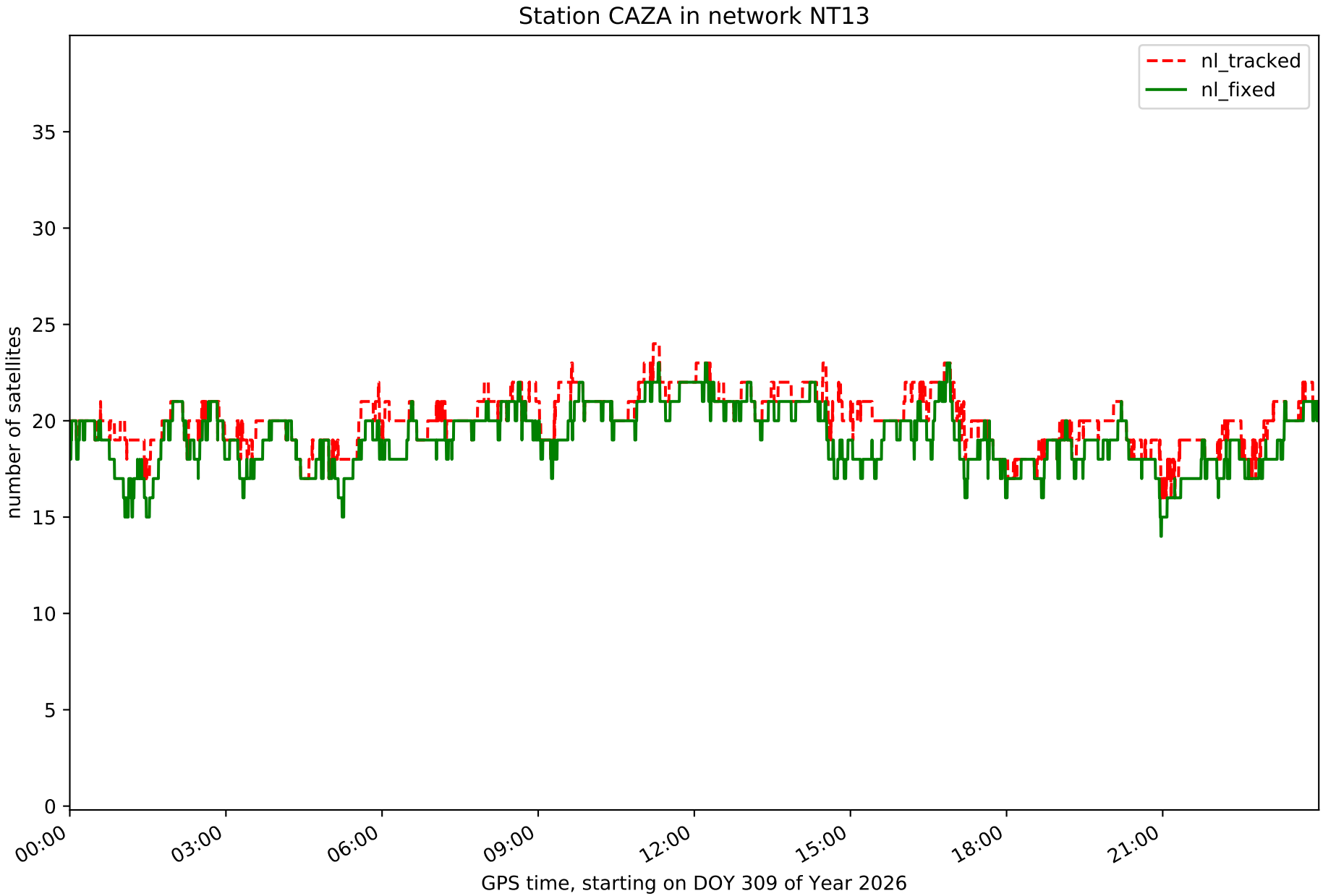

Network NT13 - only Galileo with threshold set to 0.3
number of satellites
GPS time, starting on DOY 309 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
l1_tracked
l1_fixed (95.1 % fixed)
l5_tracked
l5_fixed (95.3 % fixed)
l7_tracked
l7_fixed (95.2 % fixed)

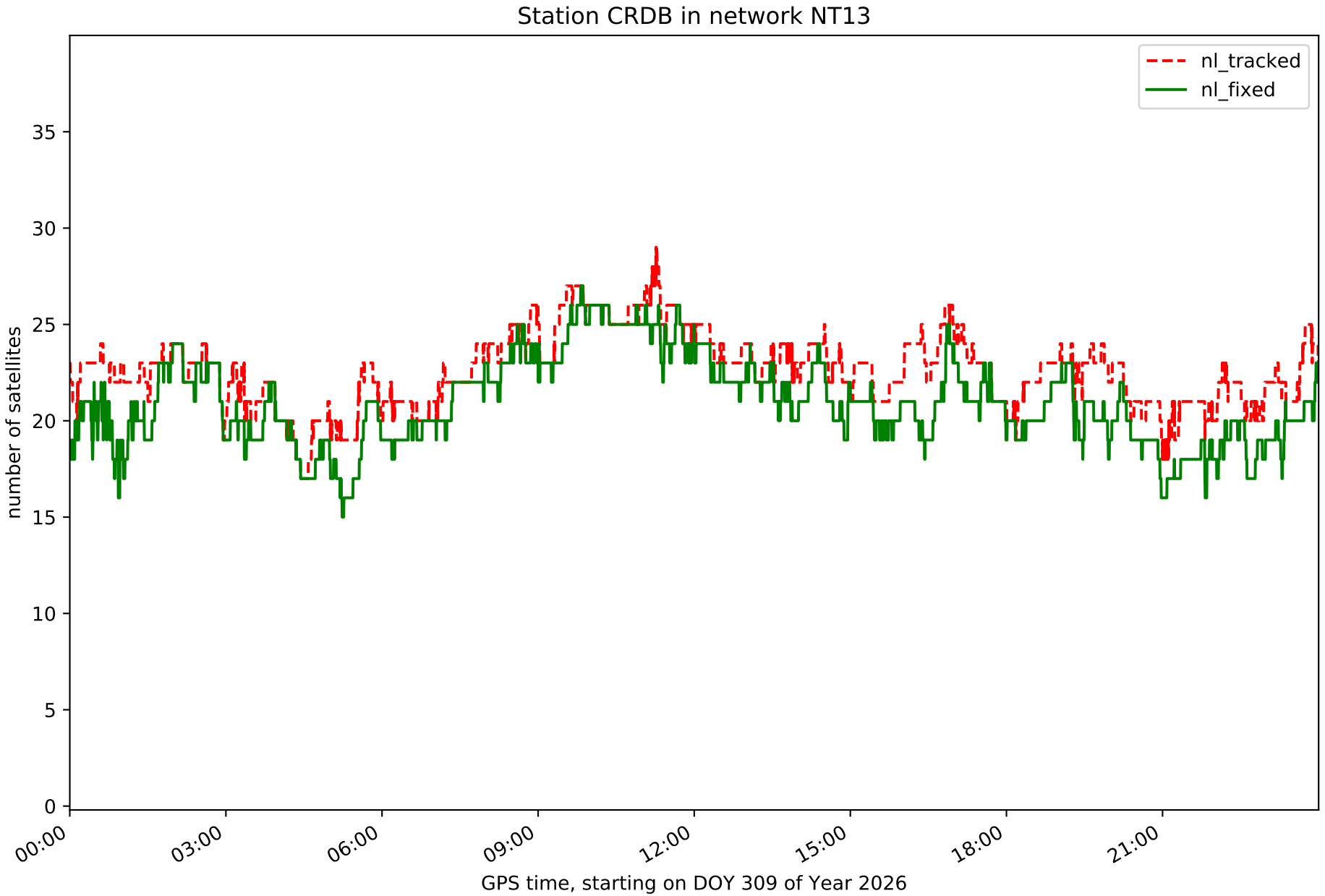

Station ALGC in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

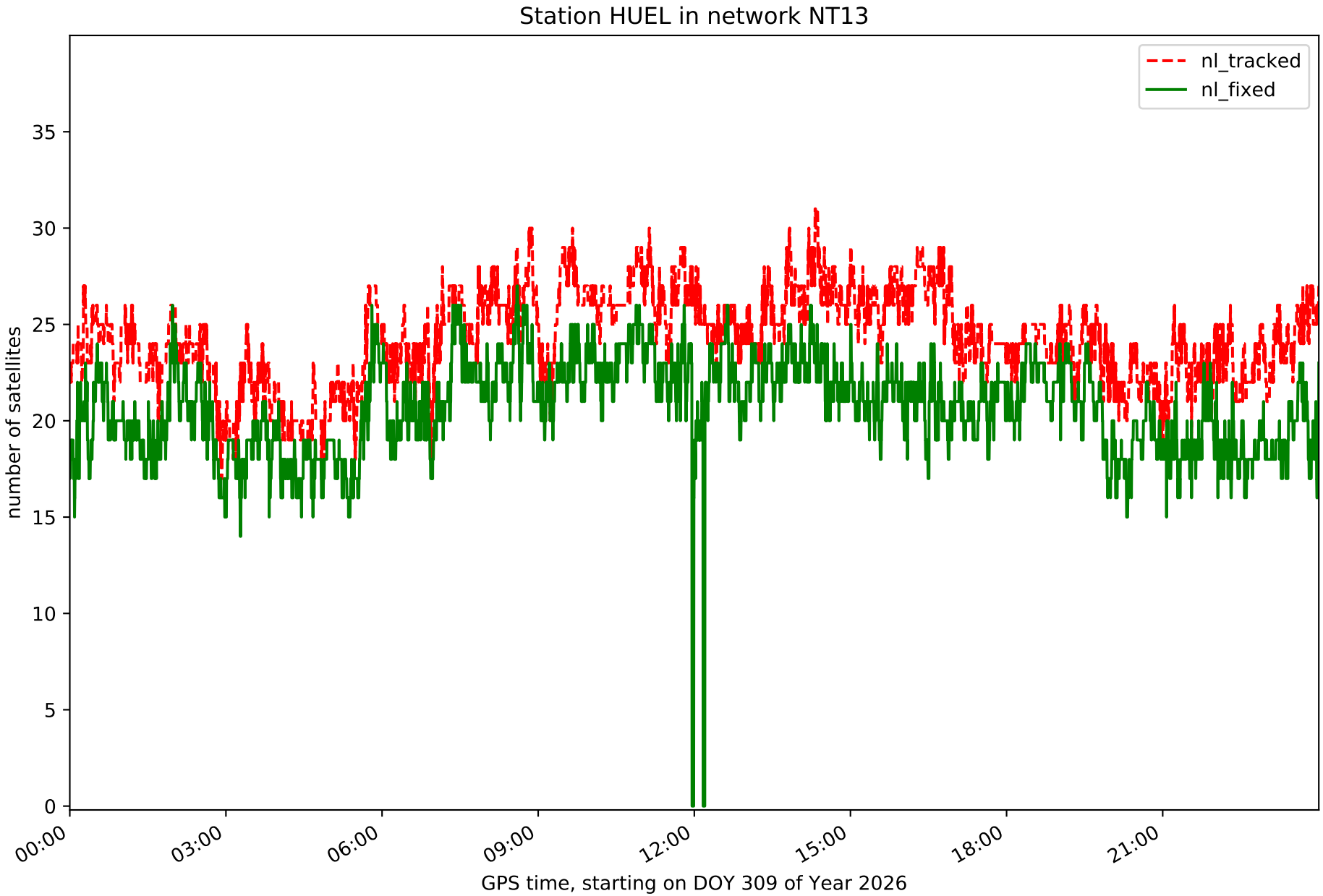

Station AND2 in network NT13
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

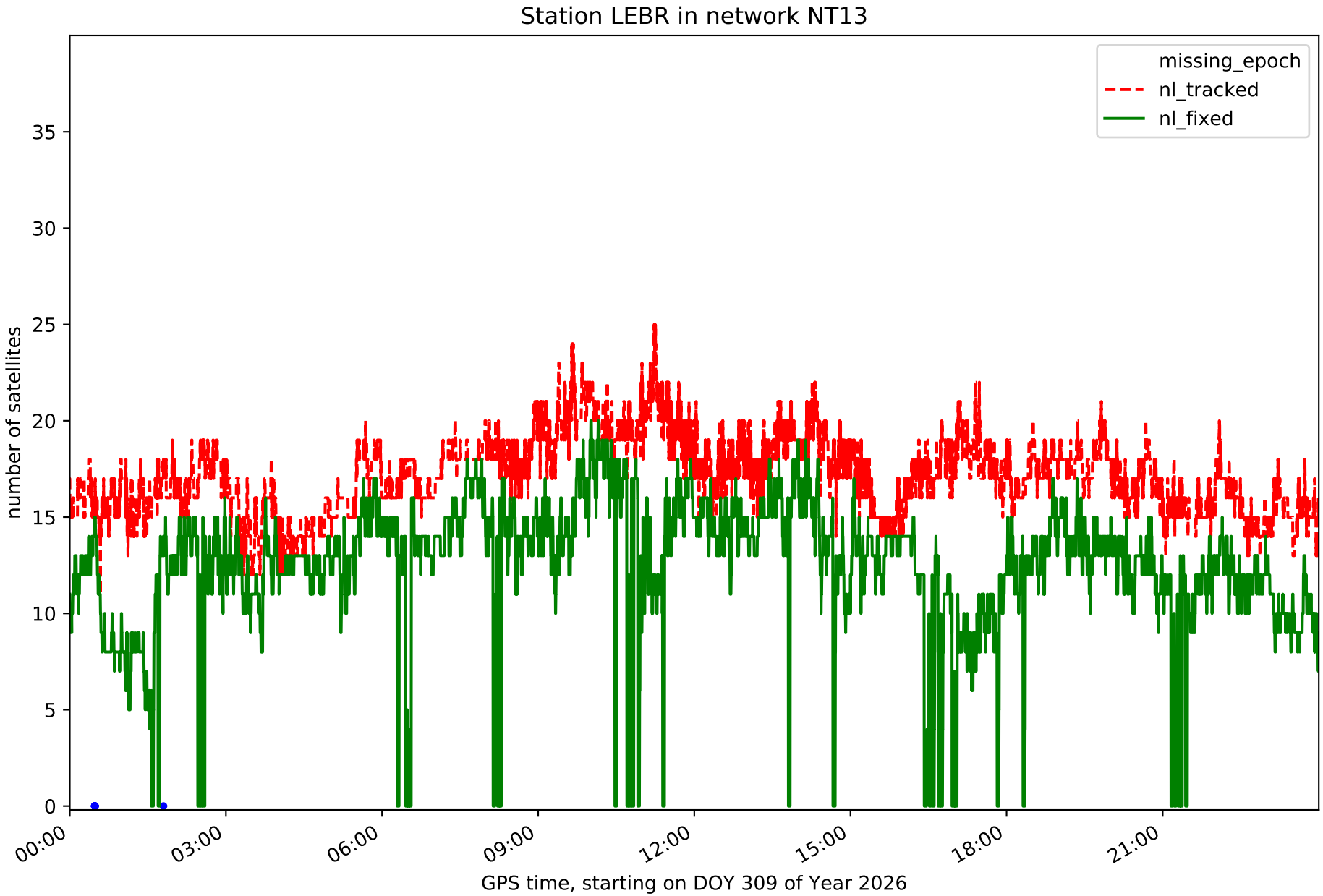

Station ARAC in network NT13
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

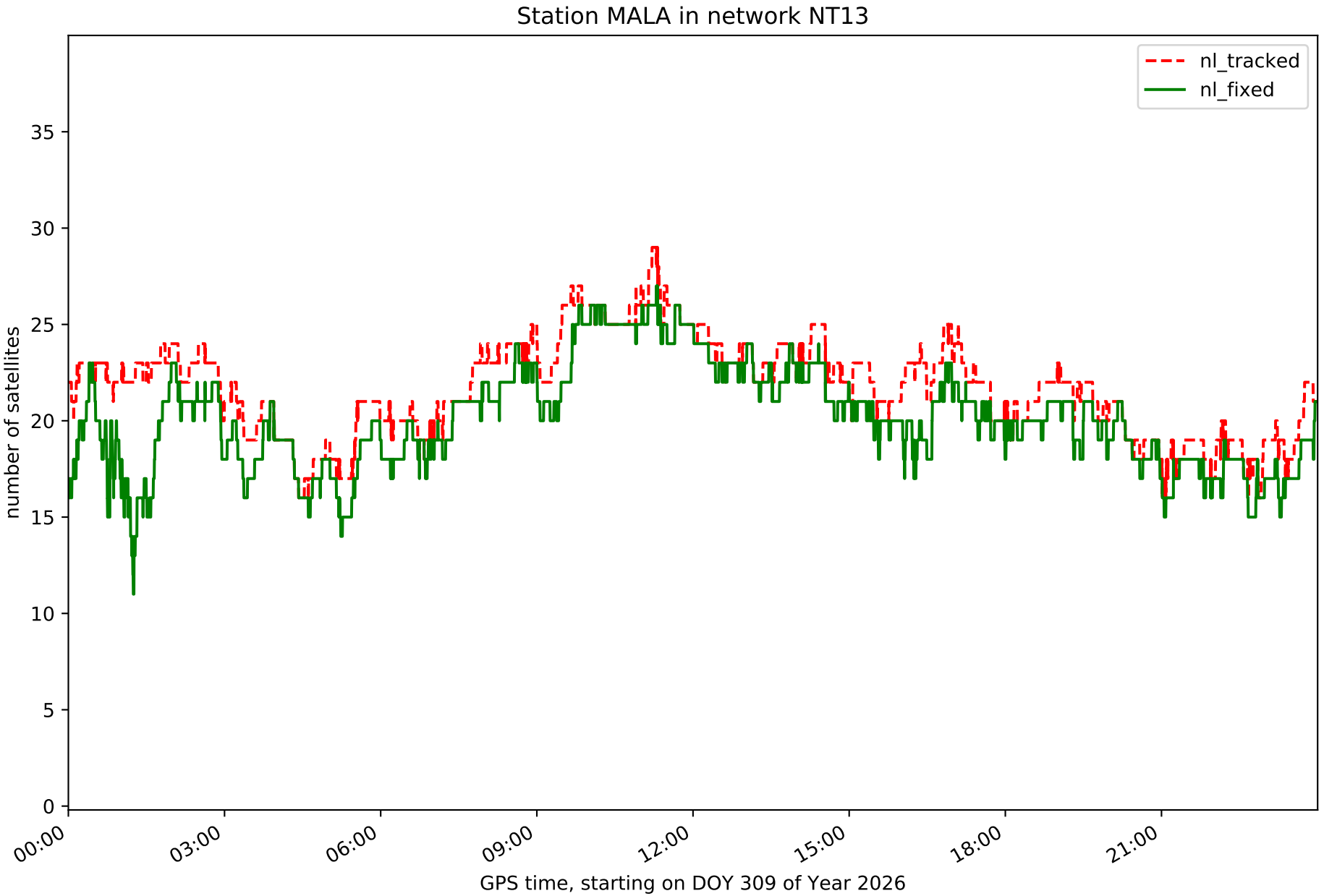

Station CABR in network NT13
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

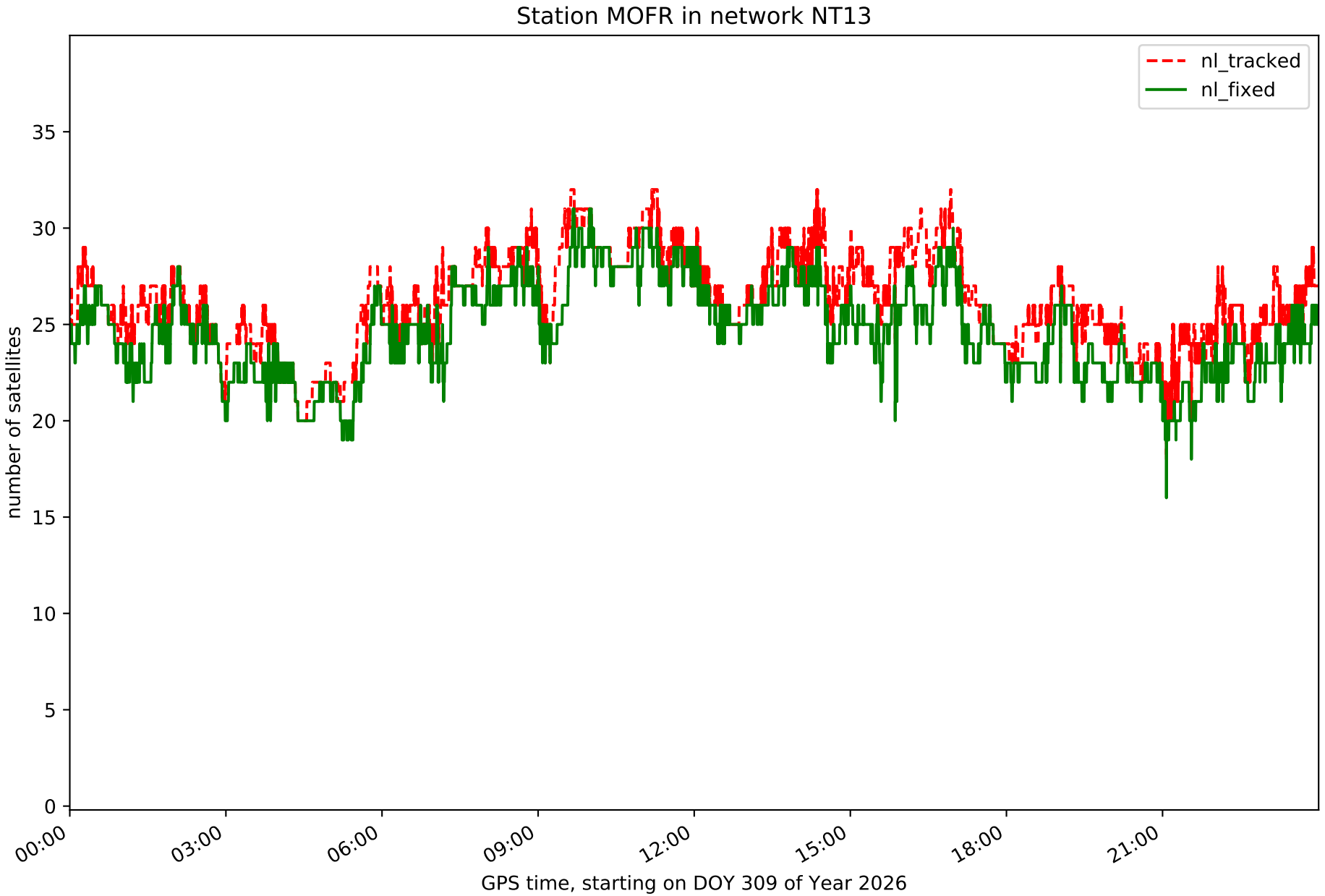

Station CAZA in network NT13
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

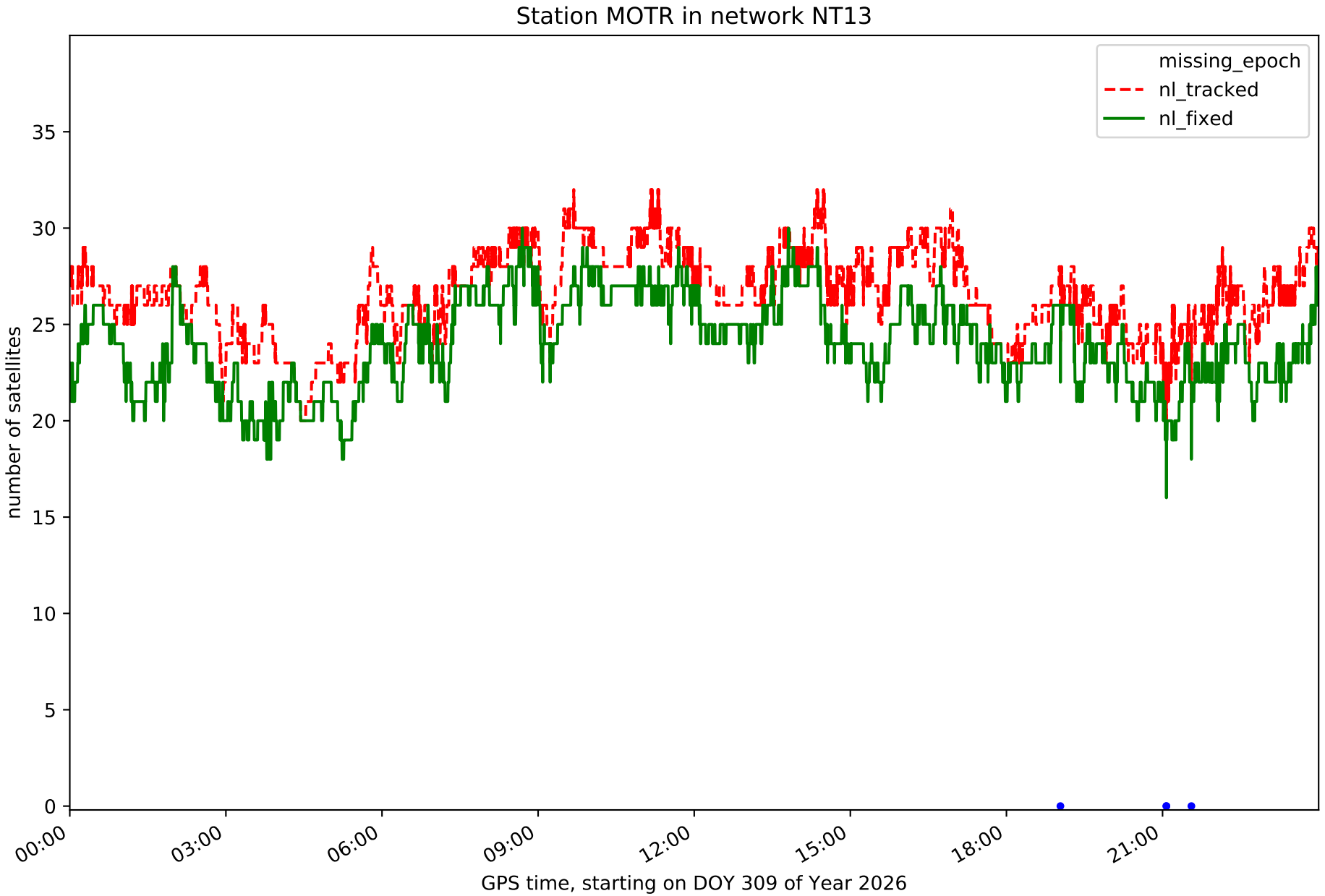

Station CRDB in network NT13
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

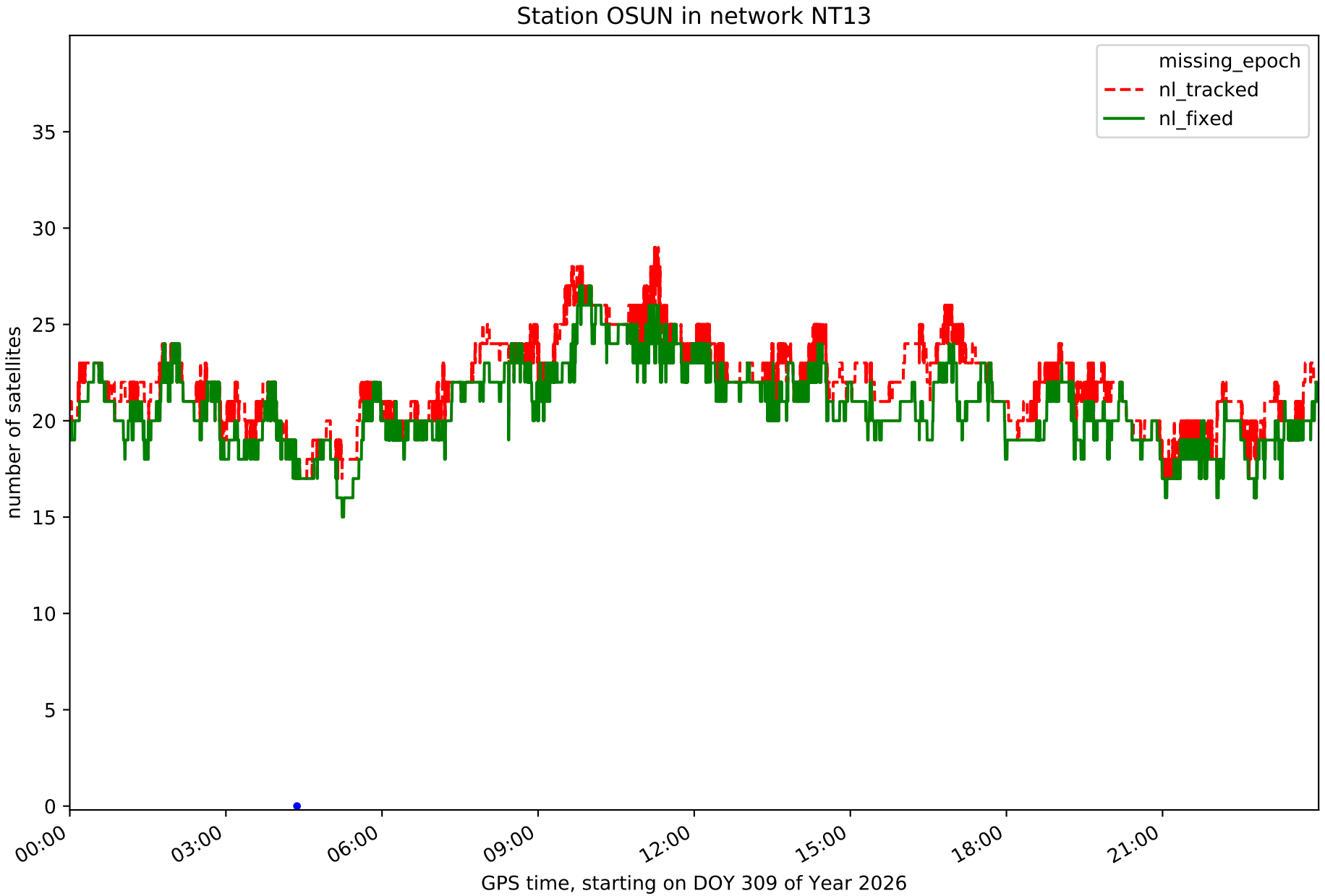

Station HUEL in network NT13
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

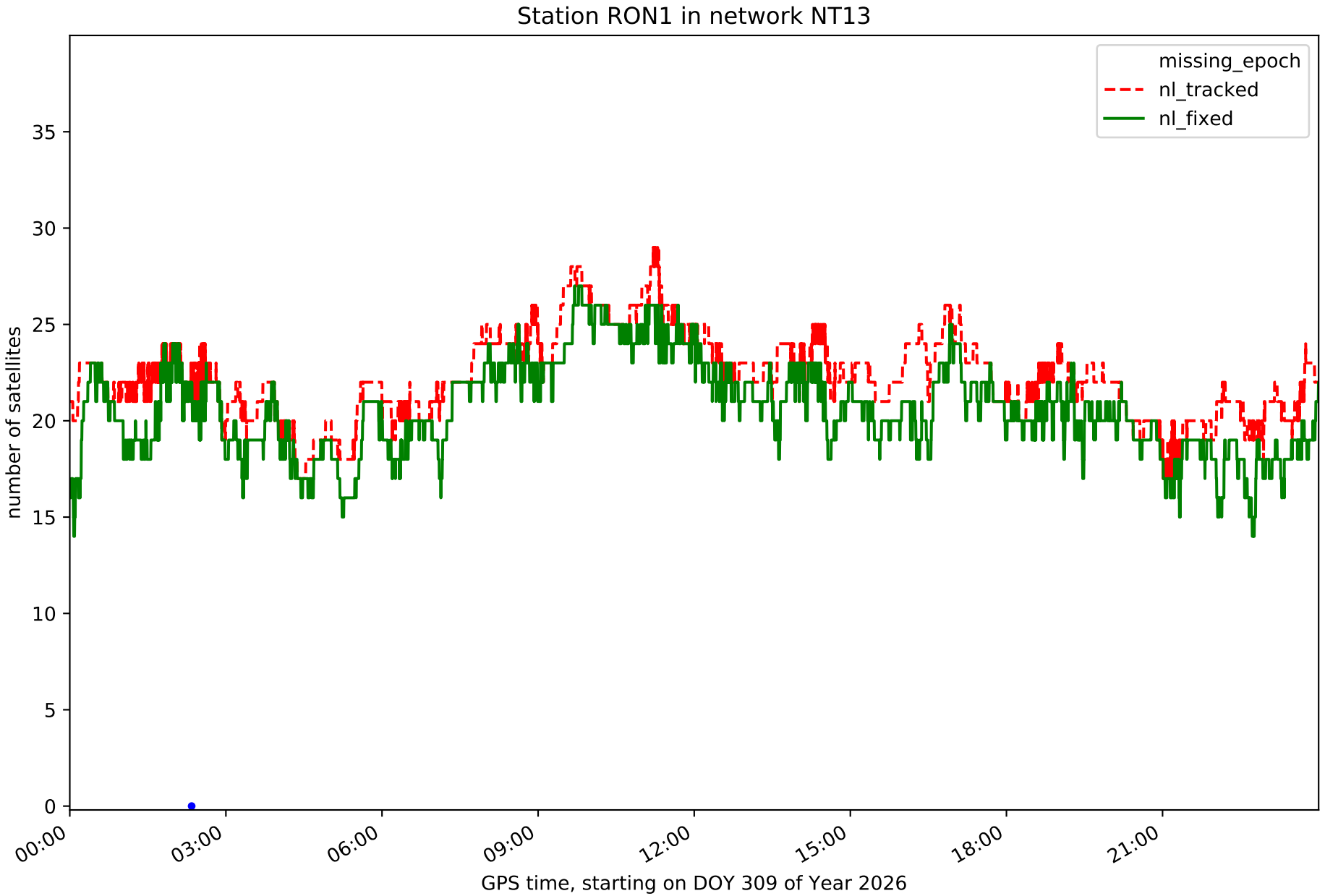

Station LEBR in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

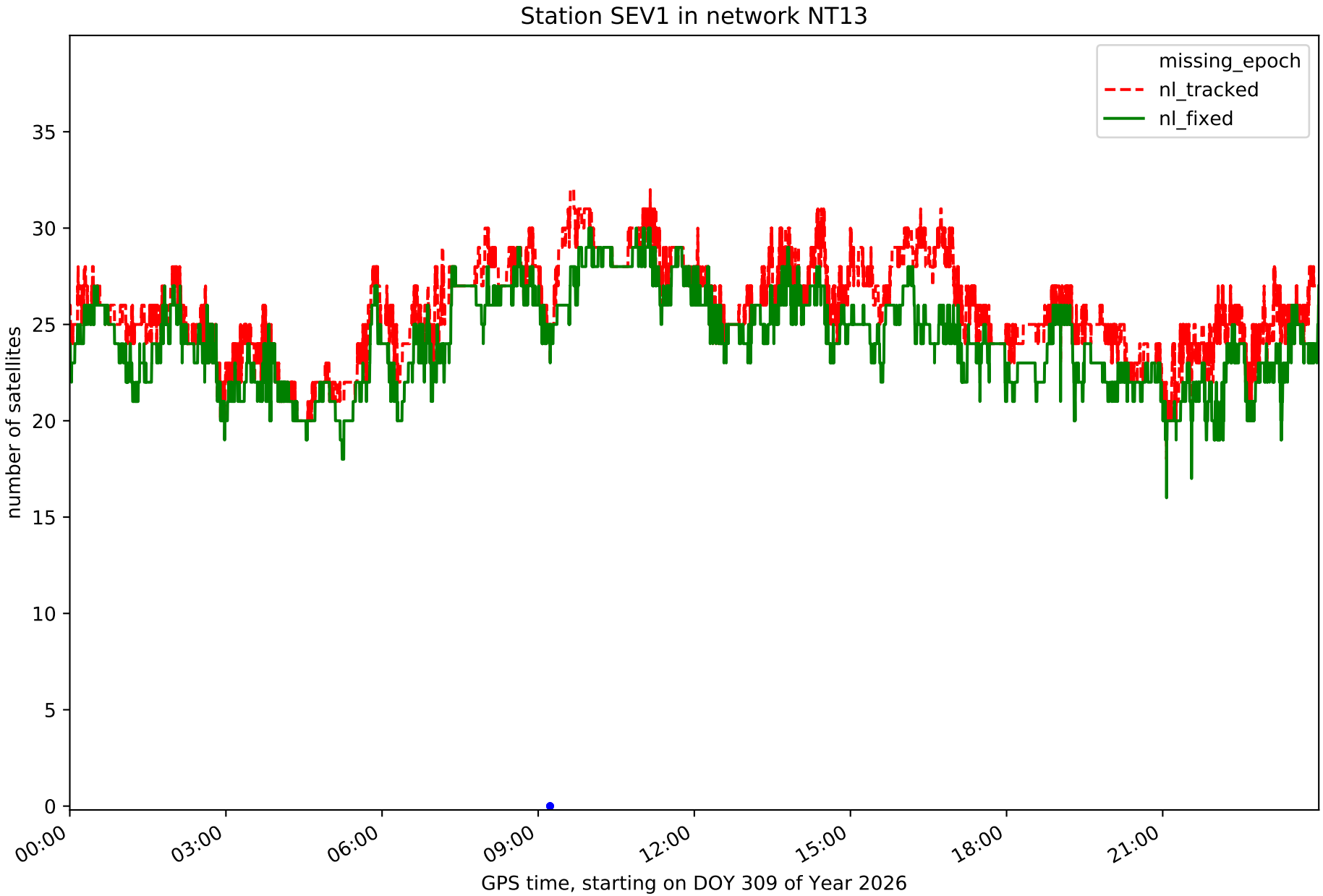

Station MALA in network NT13
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

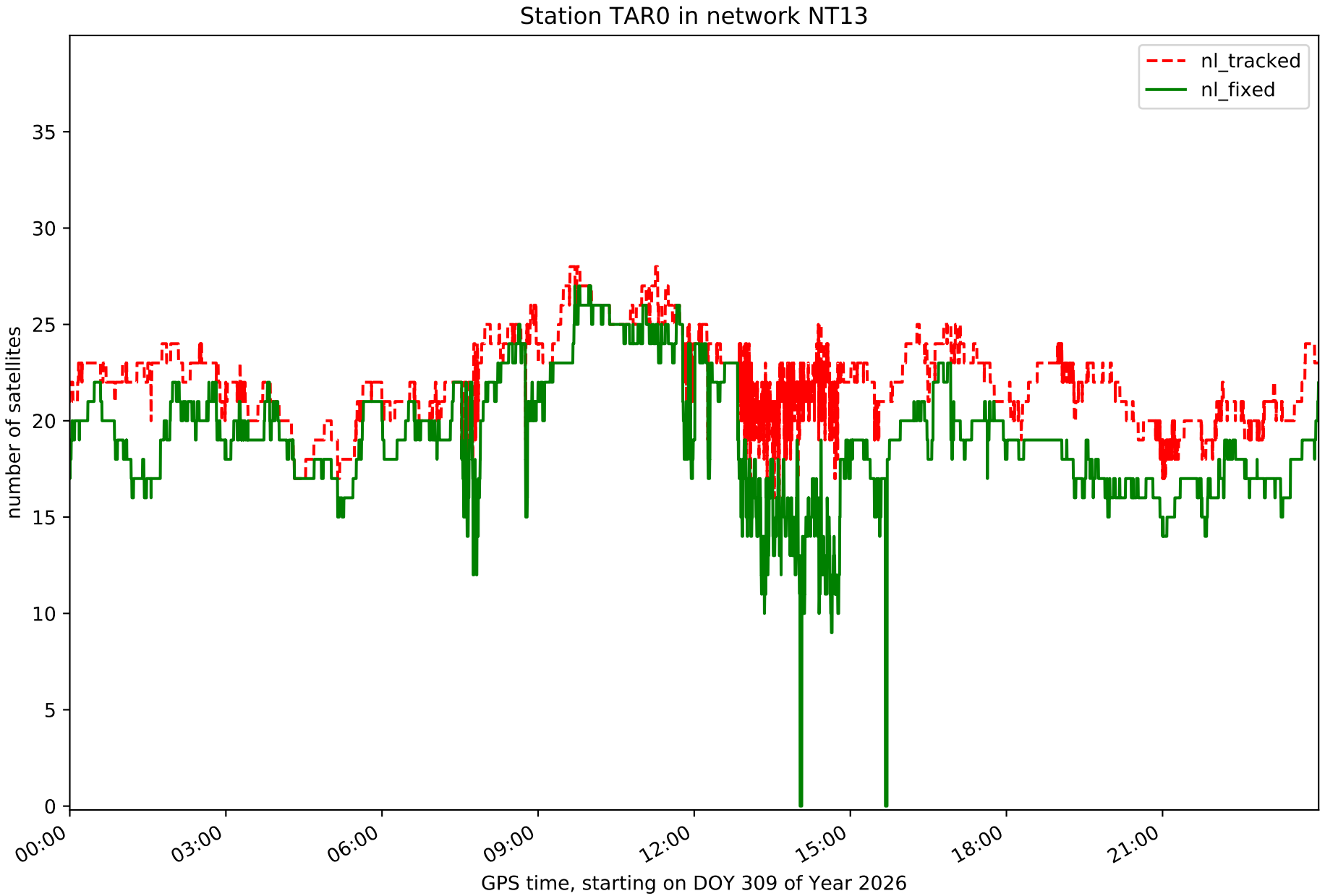

Station MOFR in network NT13
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

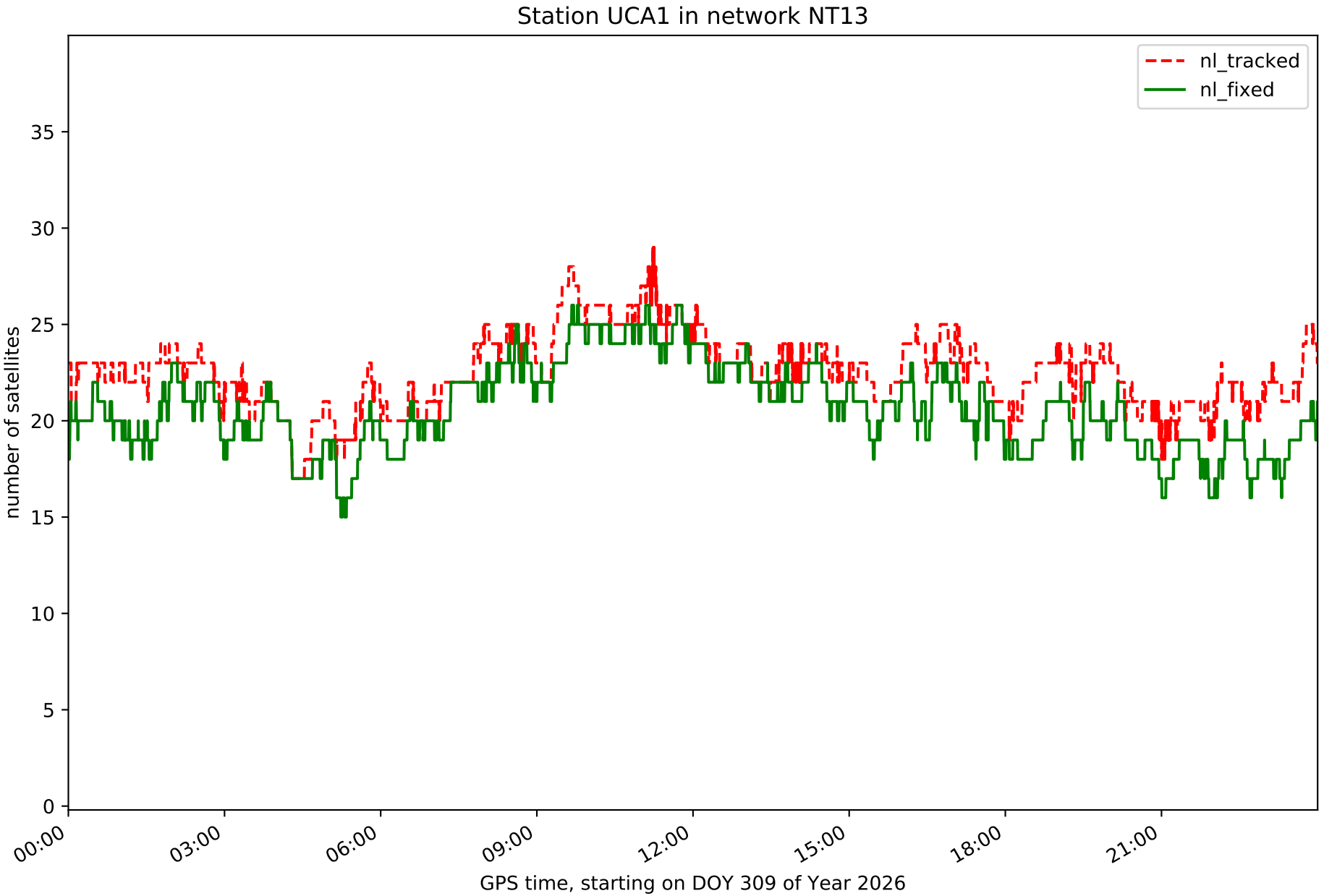

Station MOTR in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

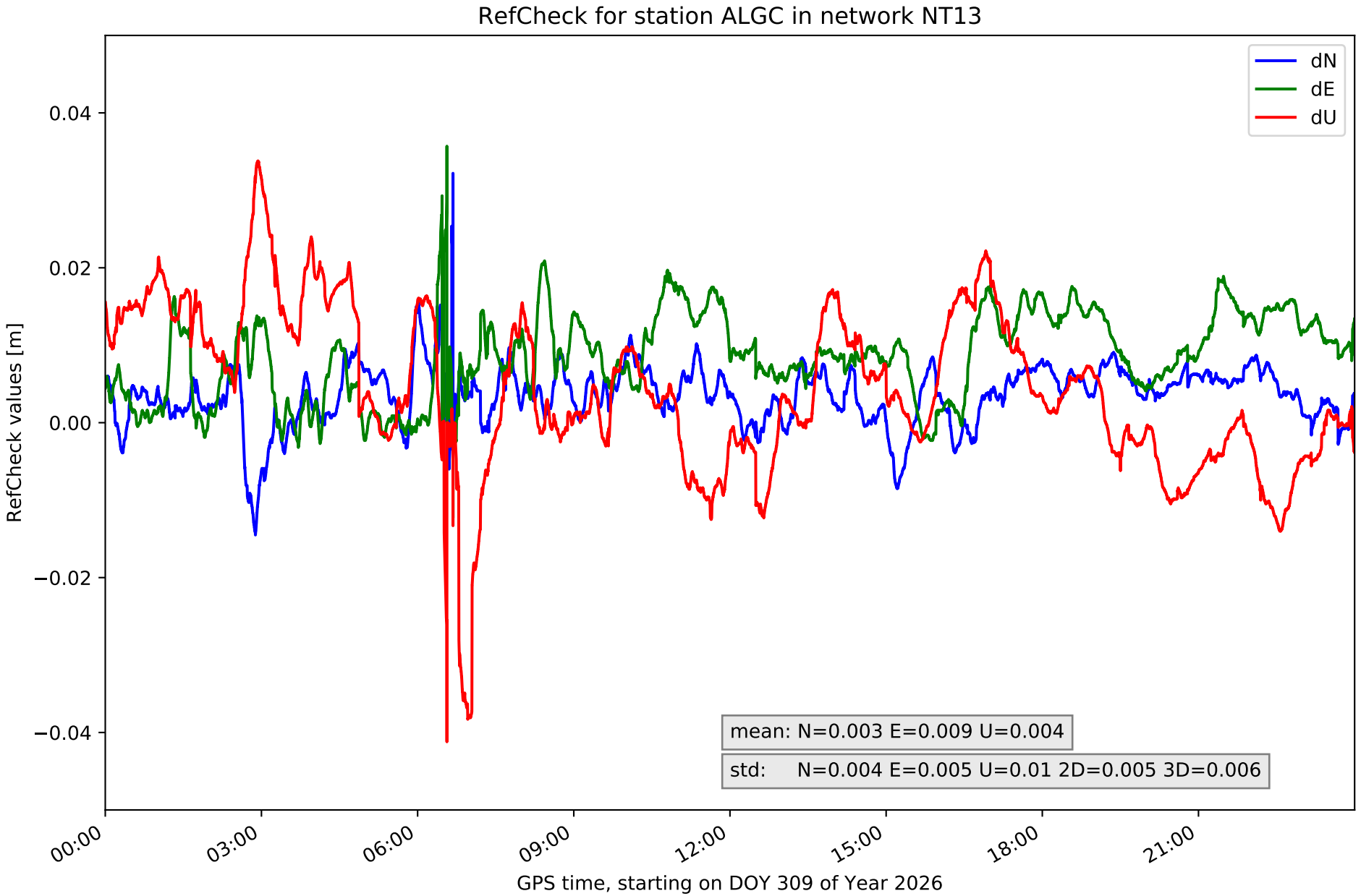

Station OSUN in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

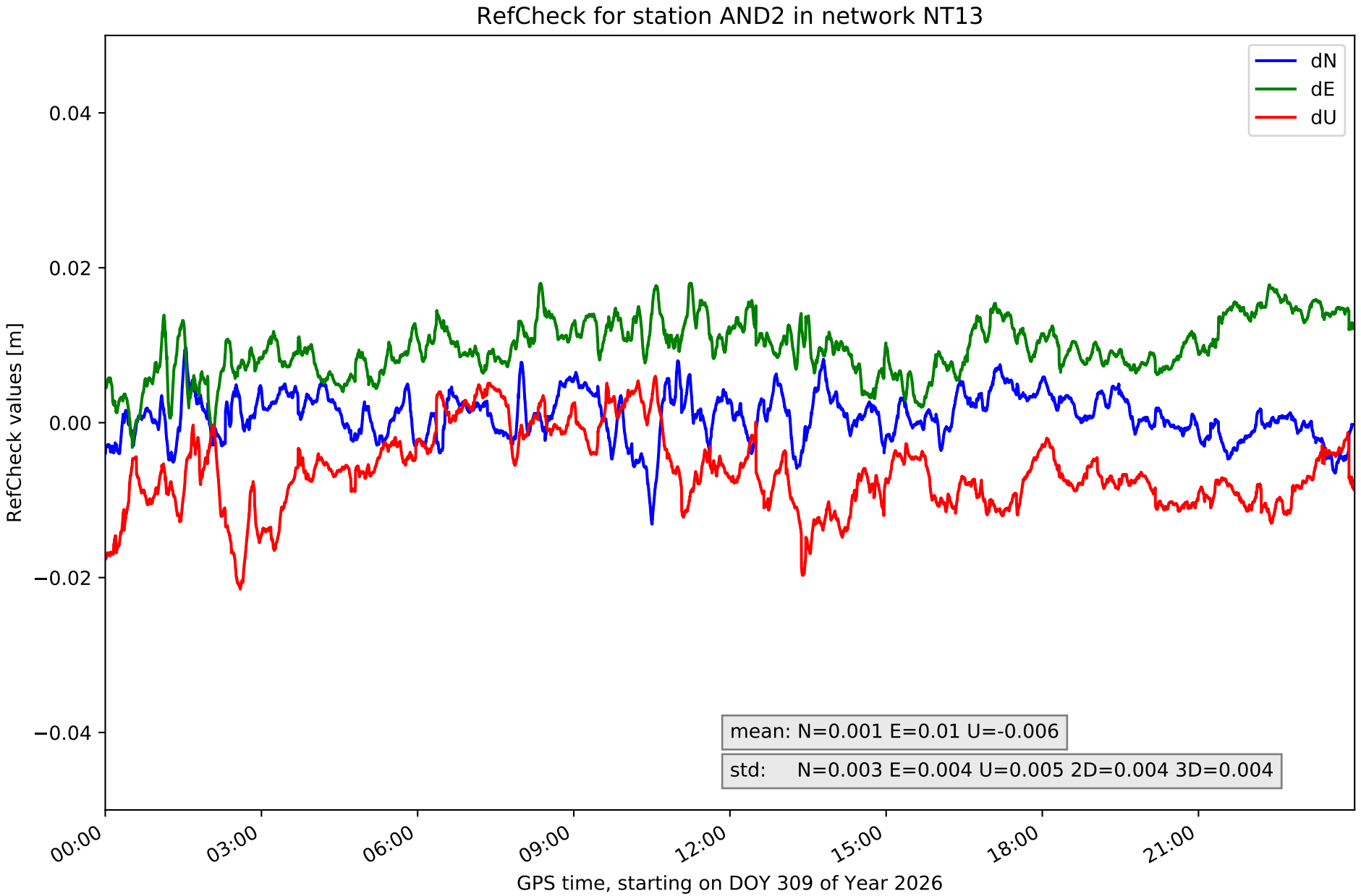

Station RON1 in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

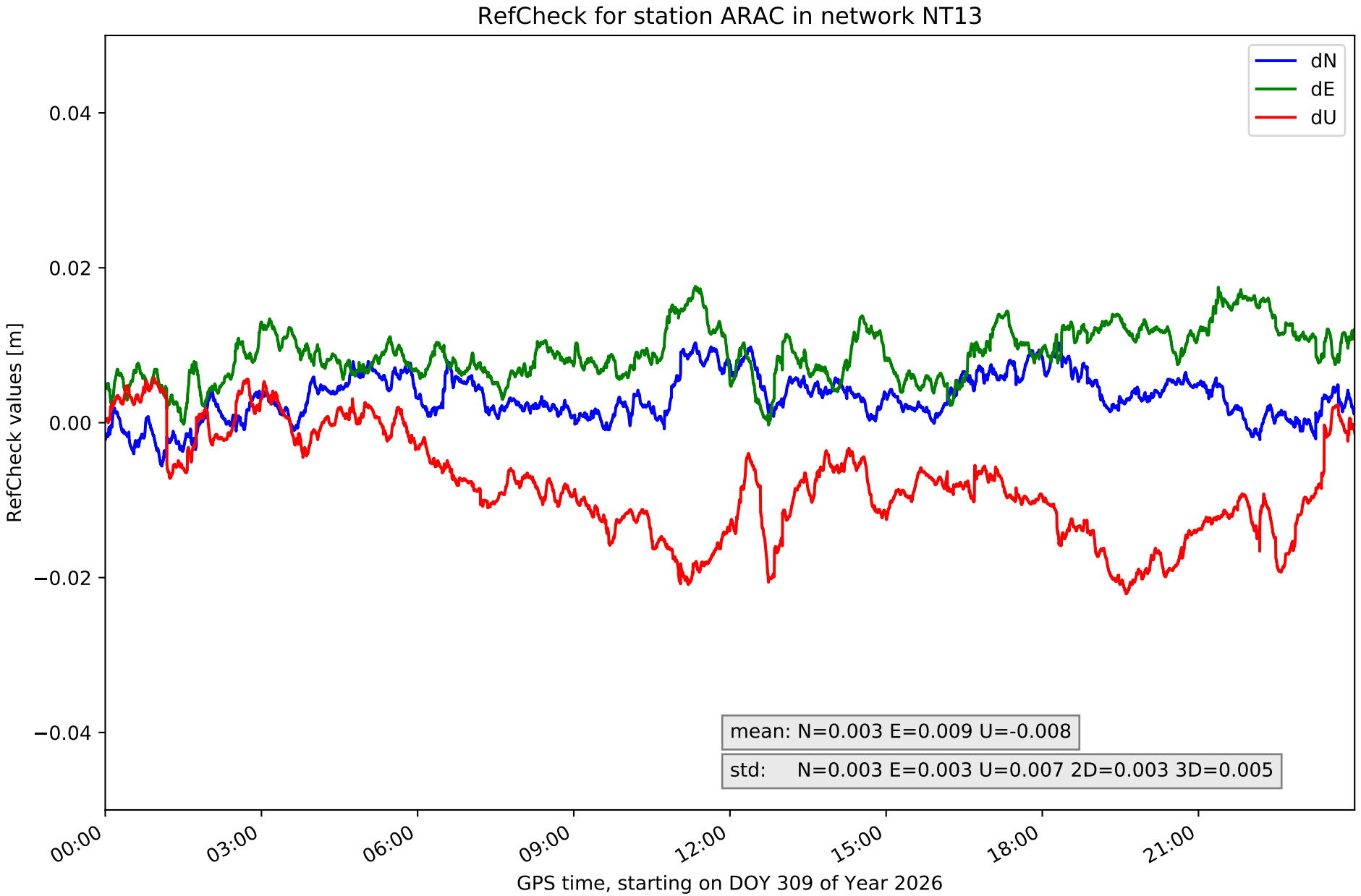

Station SEV1 in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

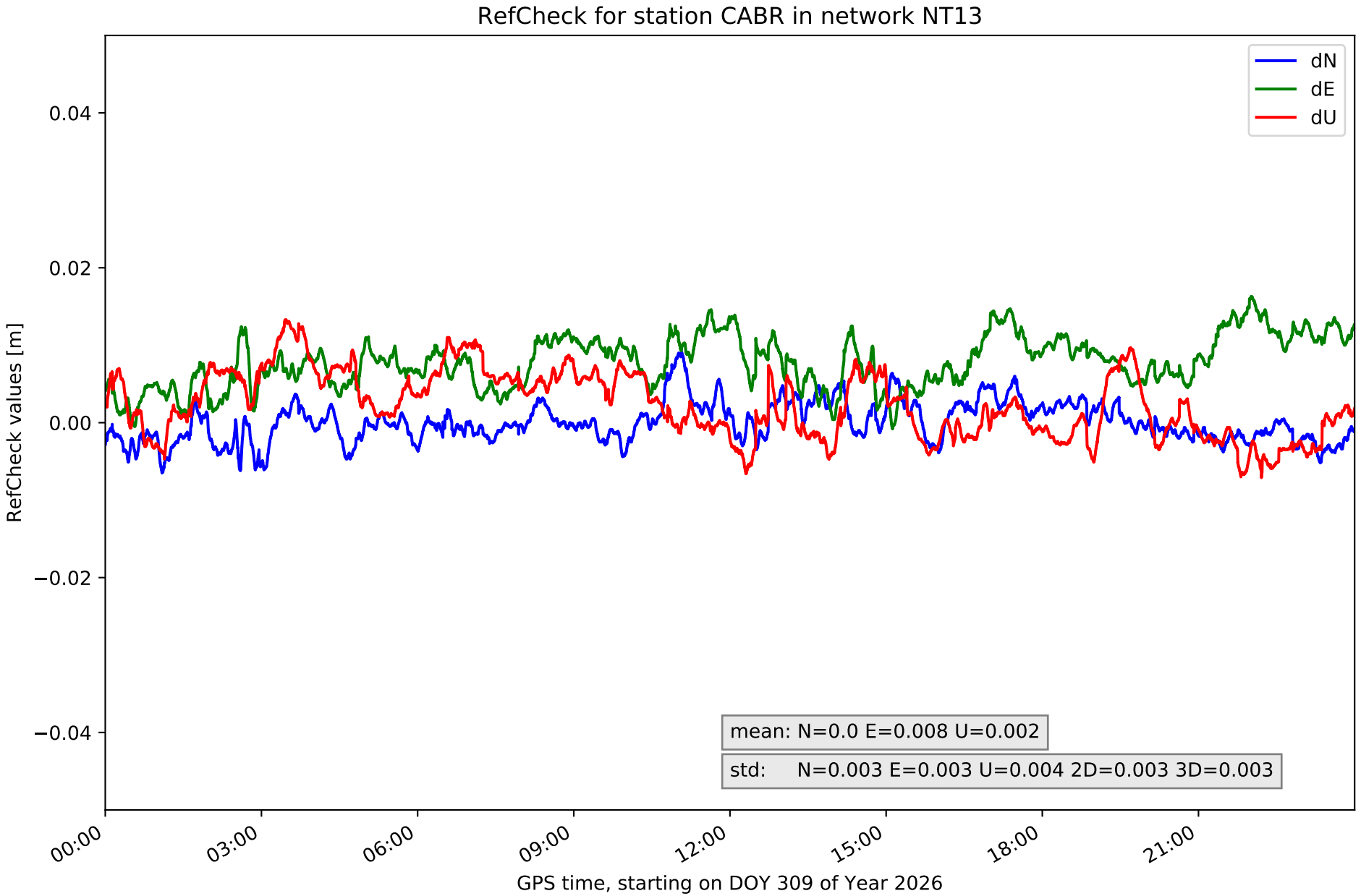

Station TAR0 in network NT13
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

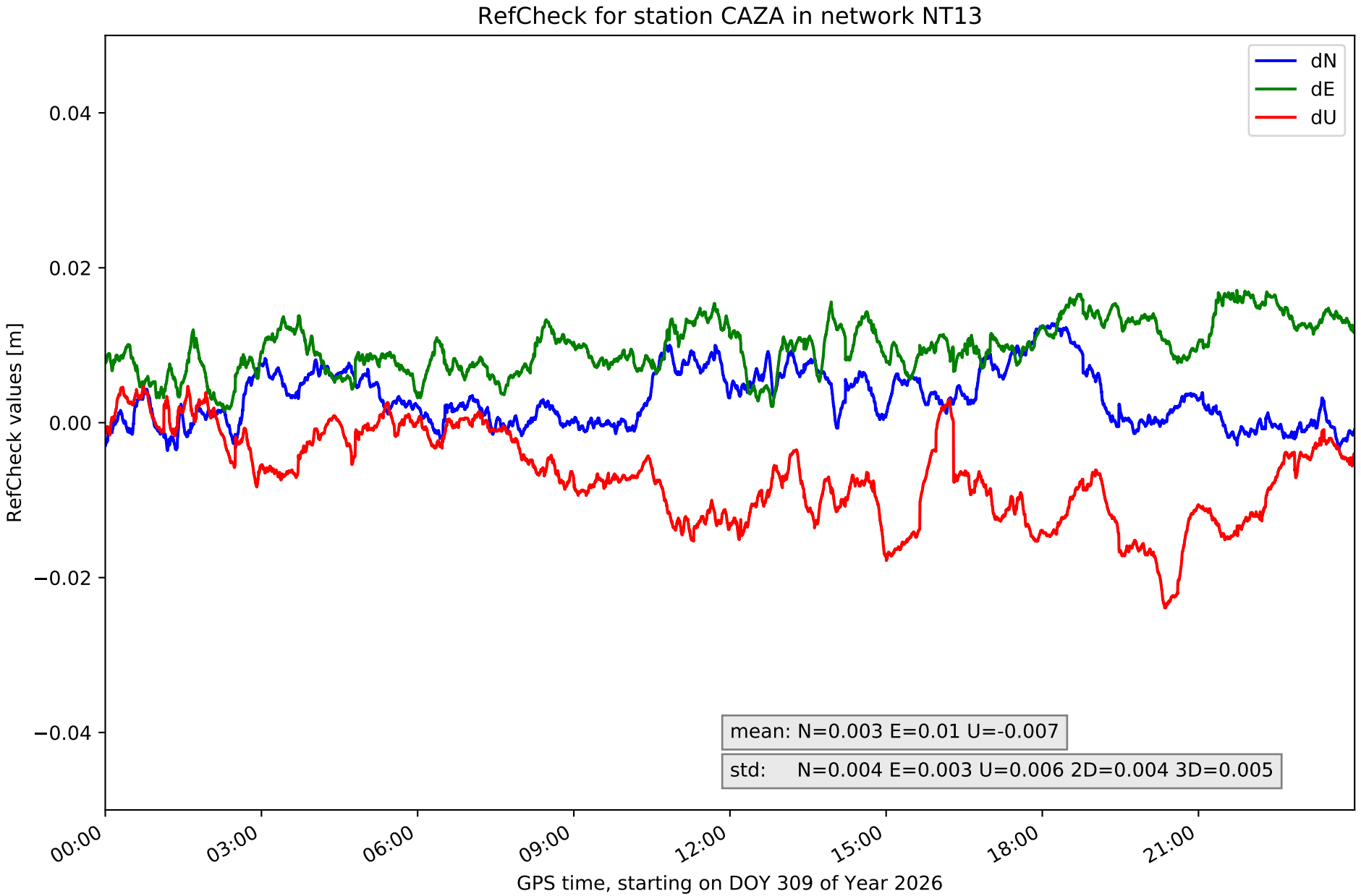

Station UCA1 in network NT13
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

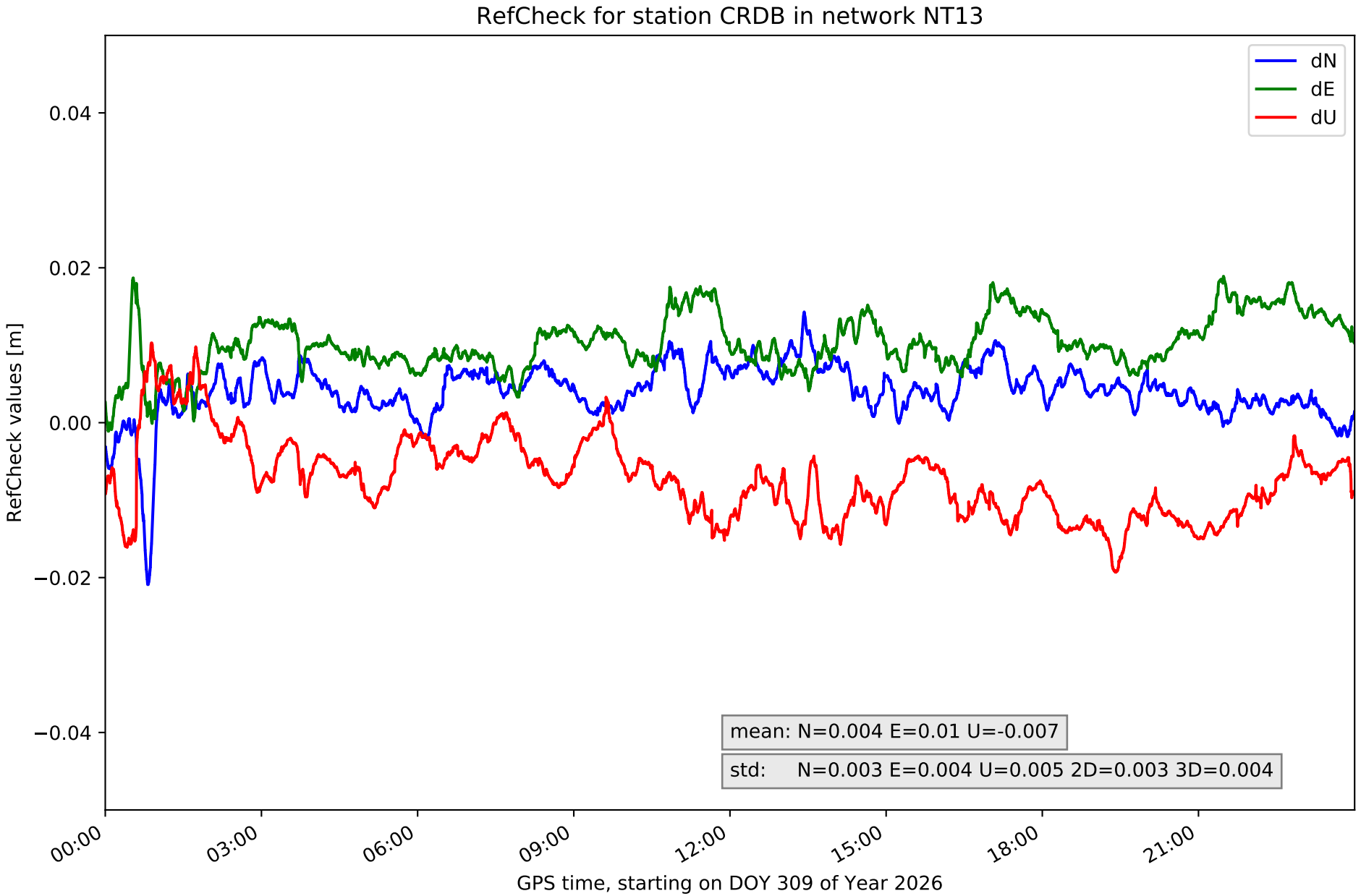

RefCheck for station ALGC in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.003 E=0.009 U=0.004
std: N=0.004 E=0.005 U=0.01 2D=0.005 3D=0.006
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

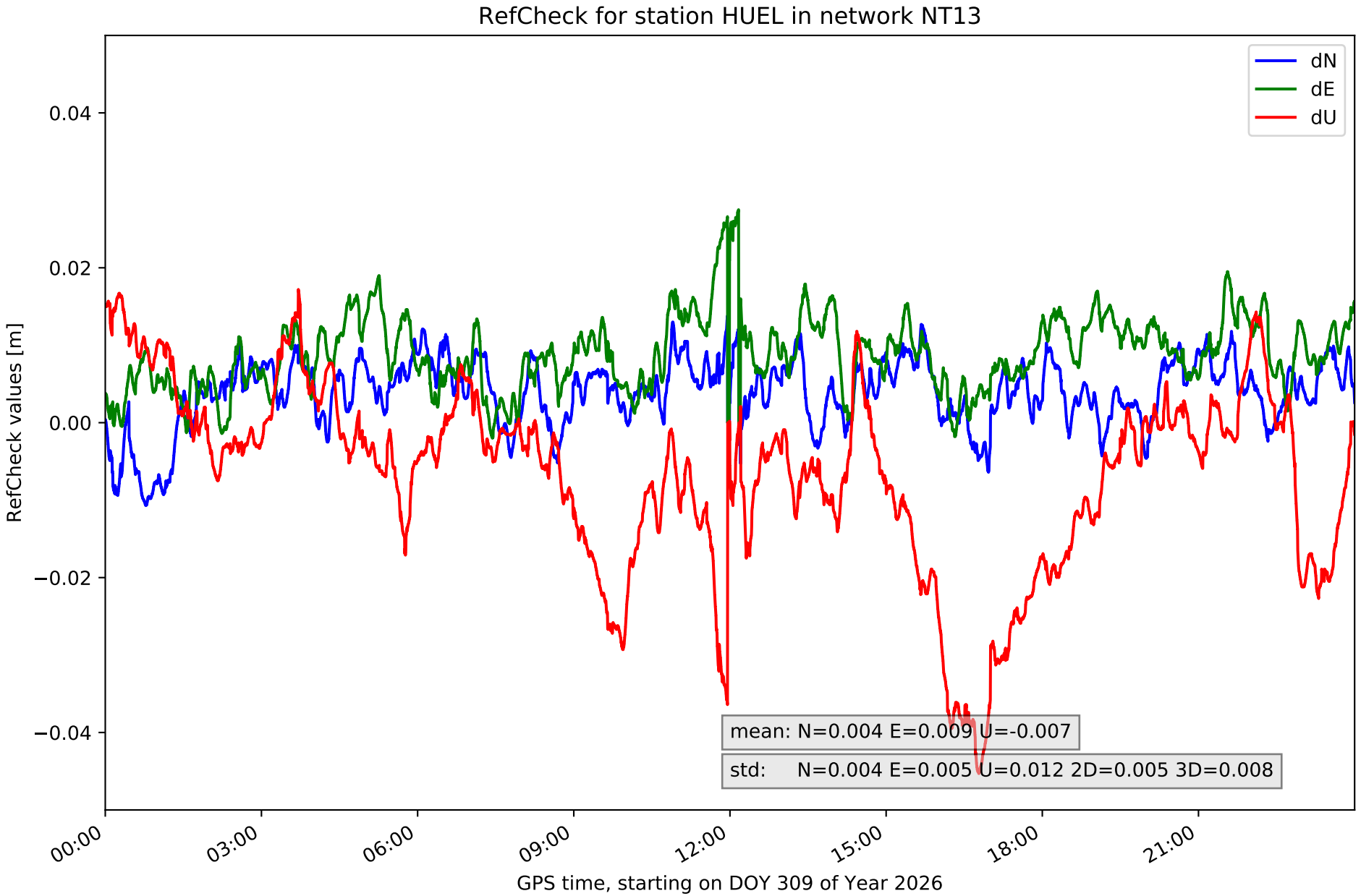

RefCheck for station AND2 in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.001 E=0.01 U=-0.006
std: N=0.003 E=0.004 U=0.005 2D=0.004 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

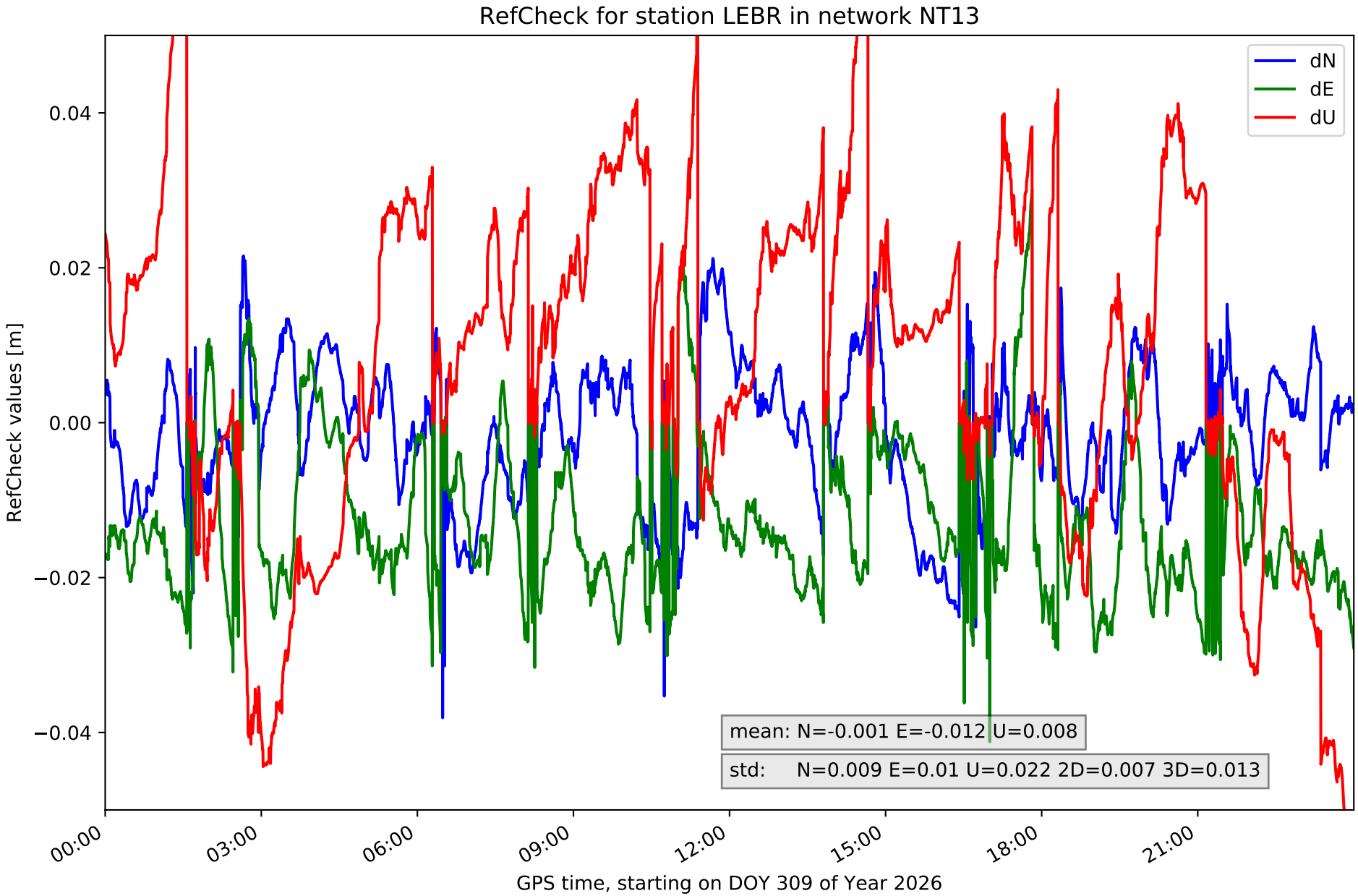

RefCheck for station ARAC in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.003 E=0.009 U=-0.008
std: N=0.003 E=0.003 U=0.007 2D=0.003 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

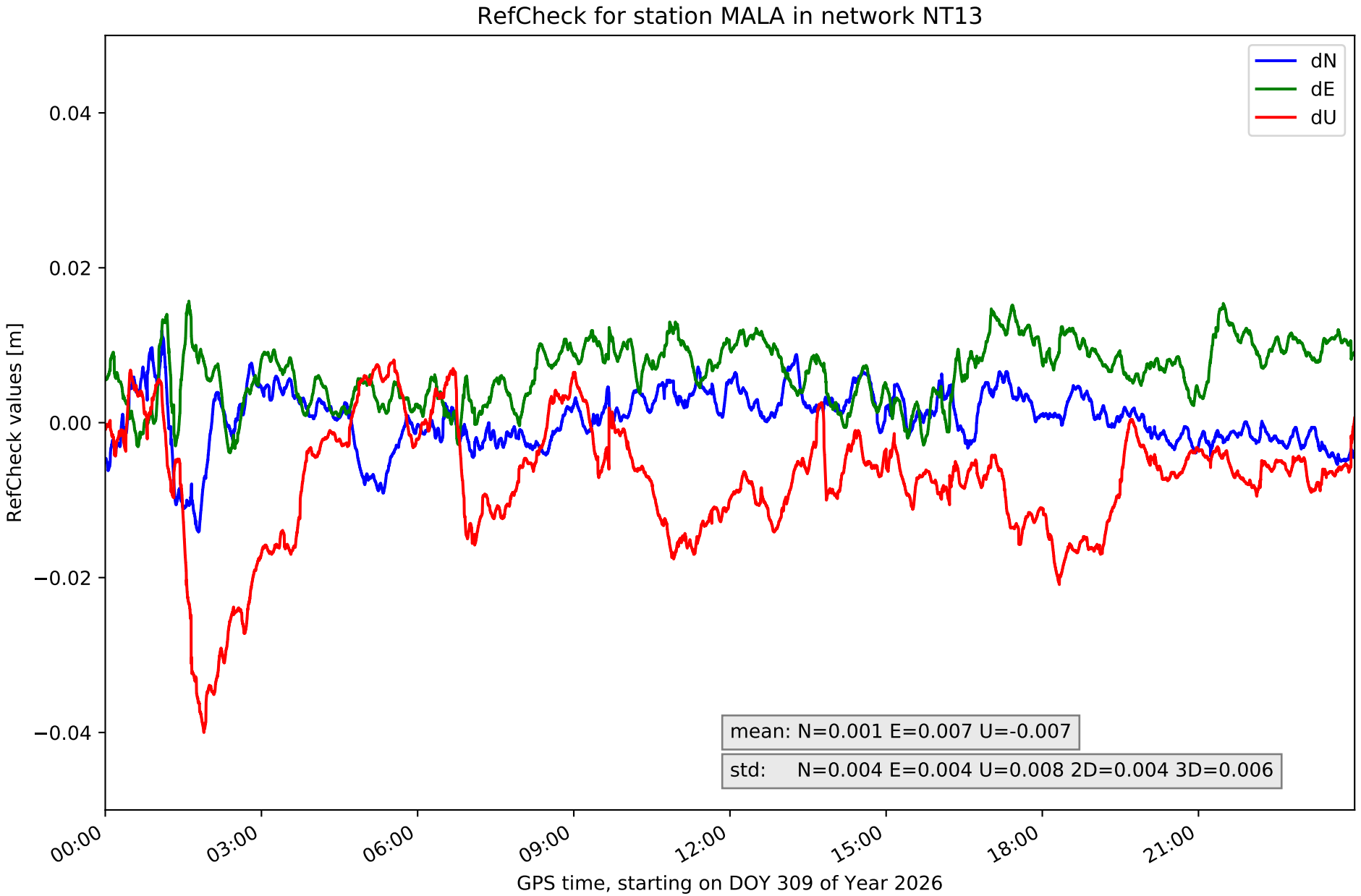

RefCheck for station CABR in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.0 E=0.008 U=0.002
std: N=0.003 E=0.003 U=0.004 2D=0.003 3D=0.003
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

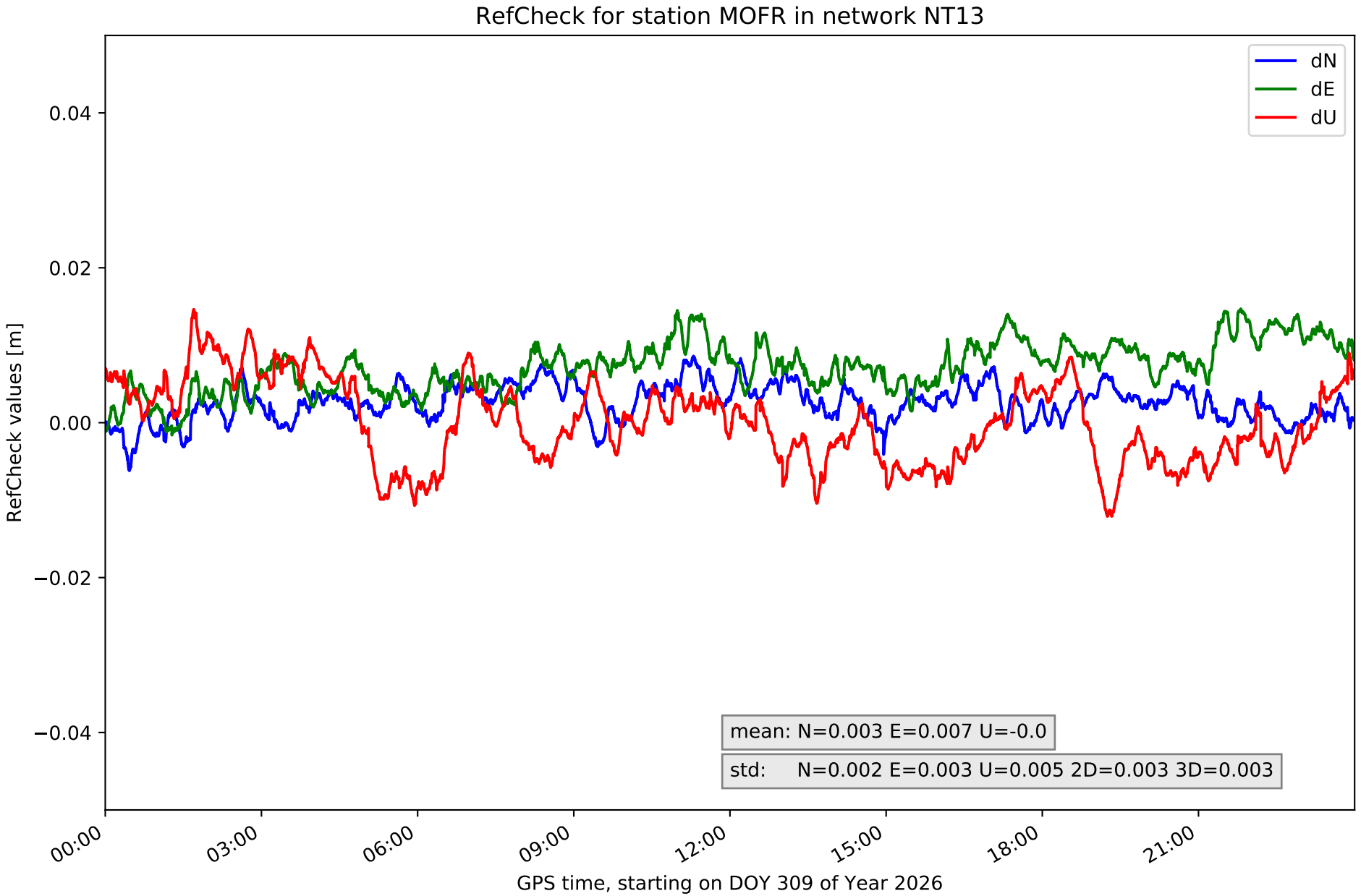

RefCheck for station CAZA in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.003 E=0.01 U=-0.007
std: N=0.004 E=0.003 U=0.006 2D=0.004 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

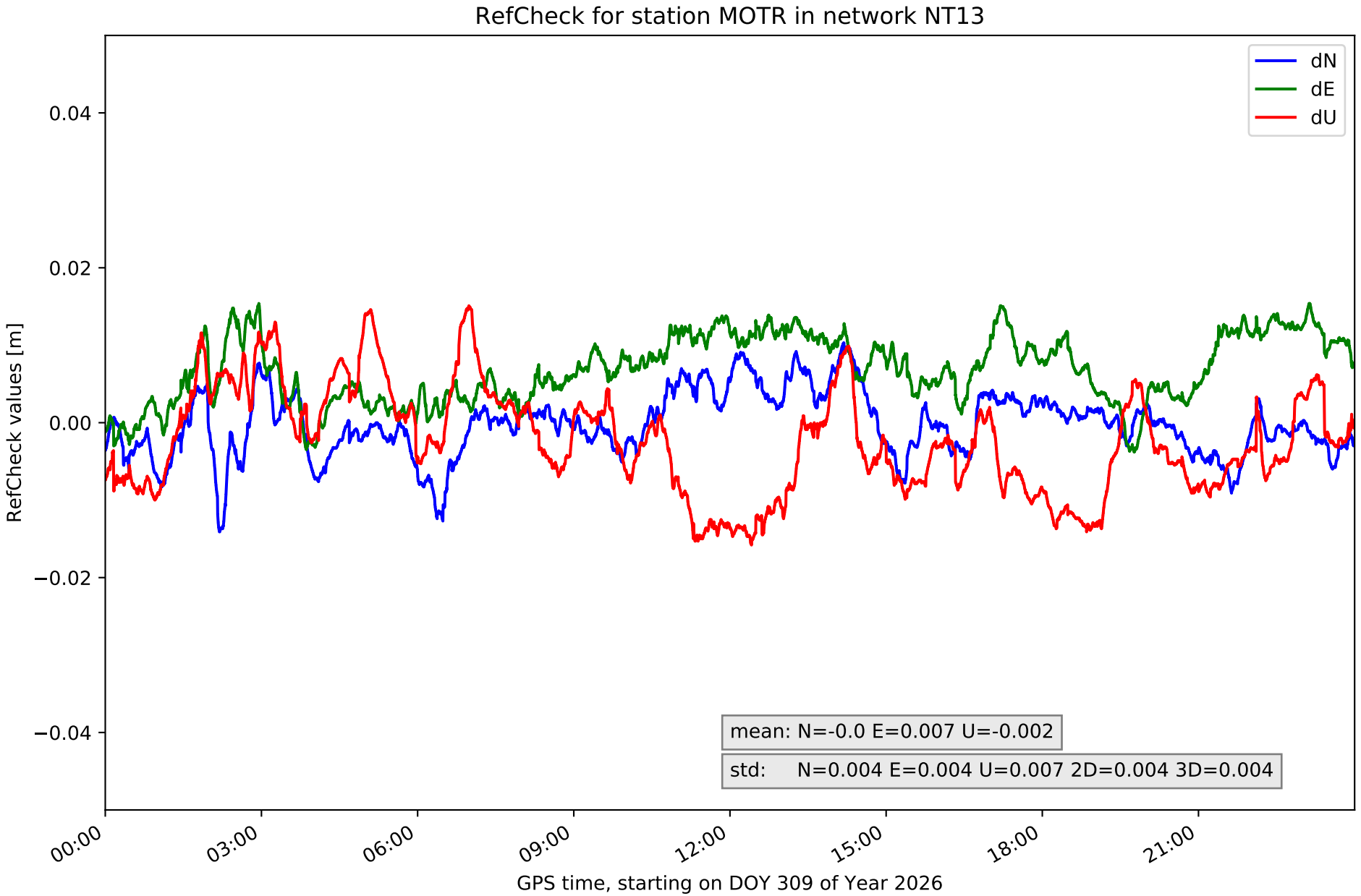

RefCheck for station CRDB in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.004 E=0.01 U=-0.007
std: N=0.003 E=0.004 U=0.005 2D=0.003 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

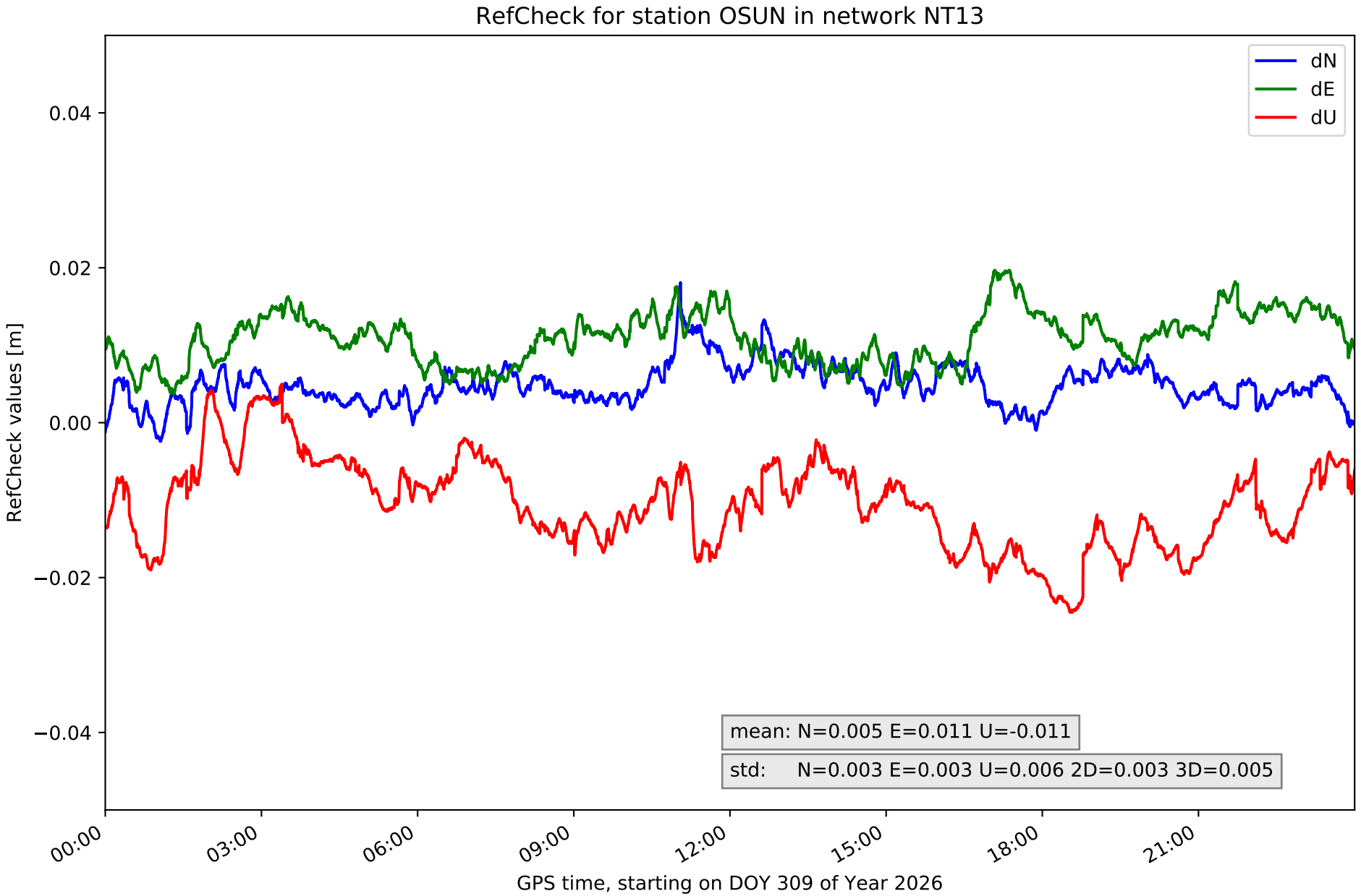

RefCheck for station HUEL in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.004 E=0.009 U=-0.007
std: N=0.004 E=0.005 U=0.012 2D=0.005 3D=0.008
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

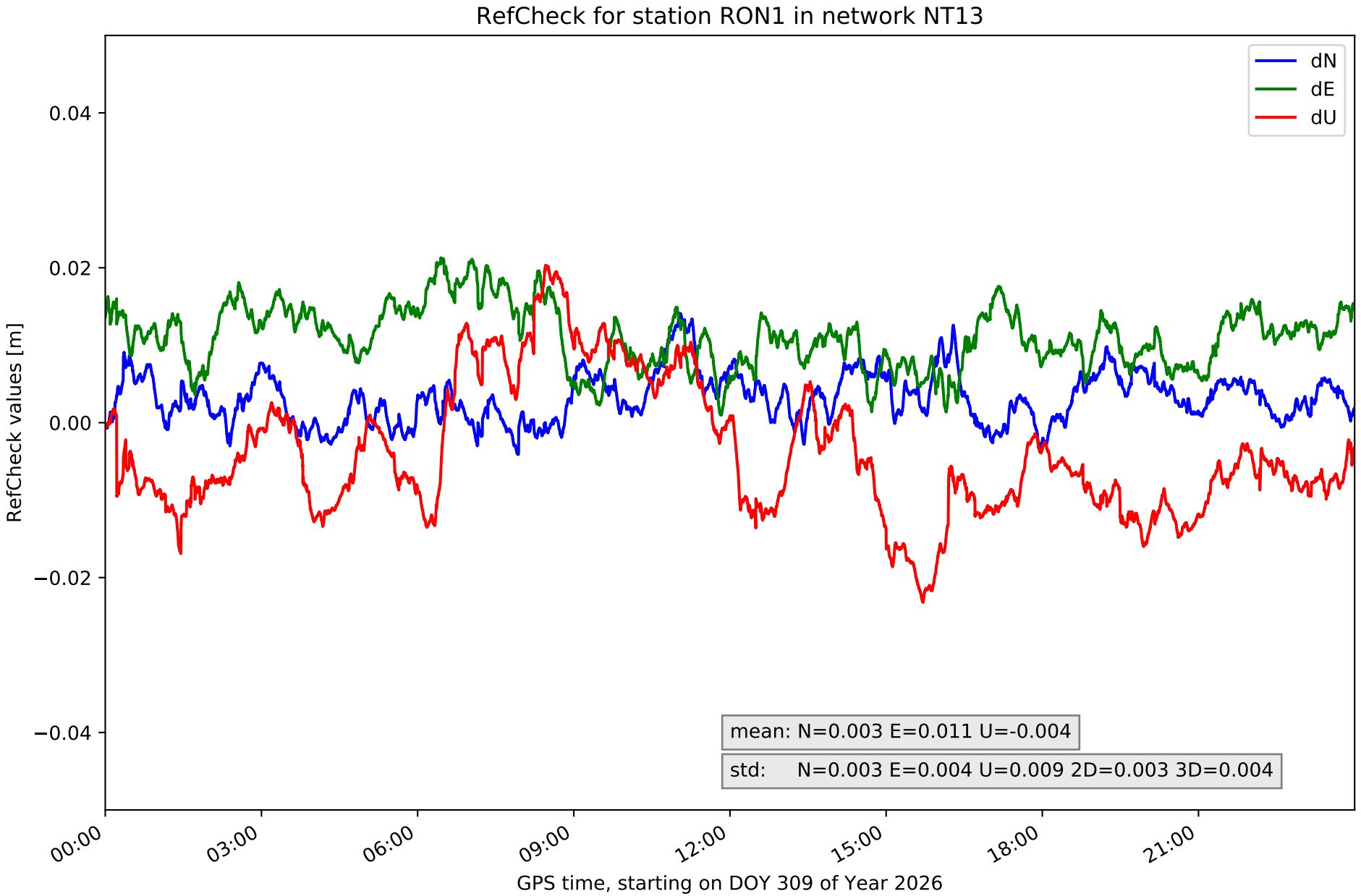

RefCheck for station LEBR in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.001 E=-0.012 U=0.008
std: N=0.009 E=0.01 U=0.022 2D=0.007 3D=0.013
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

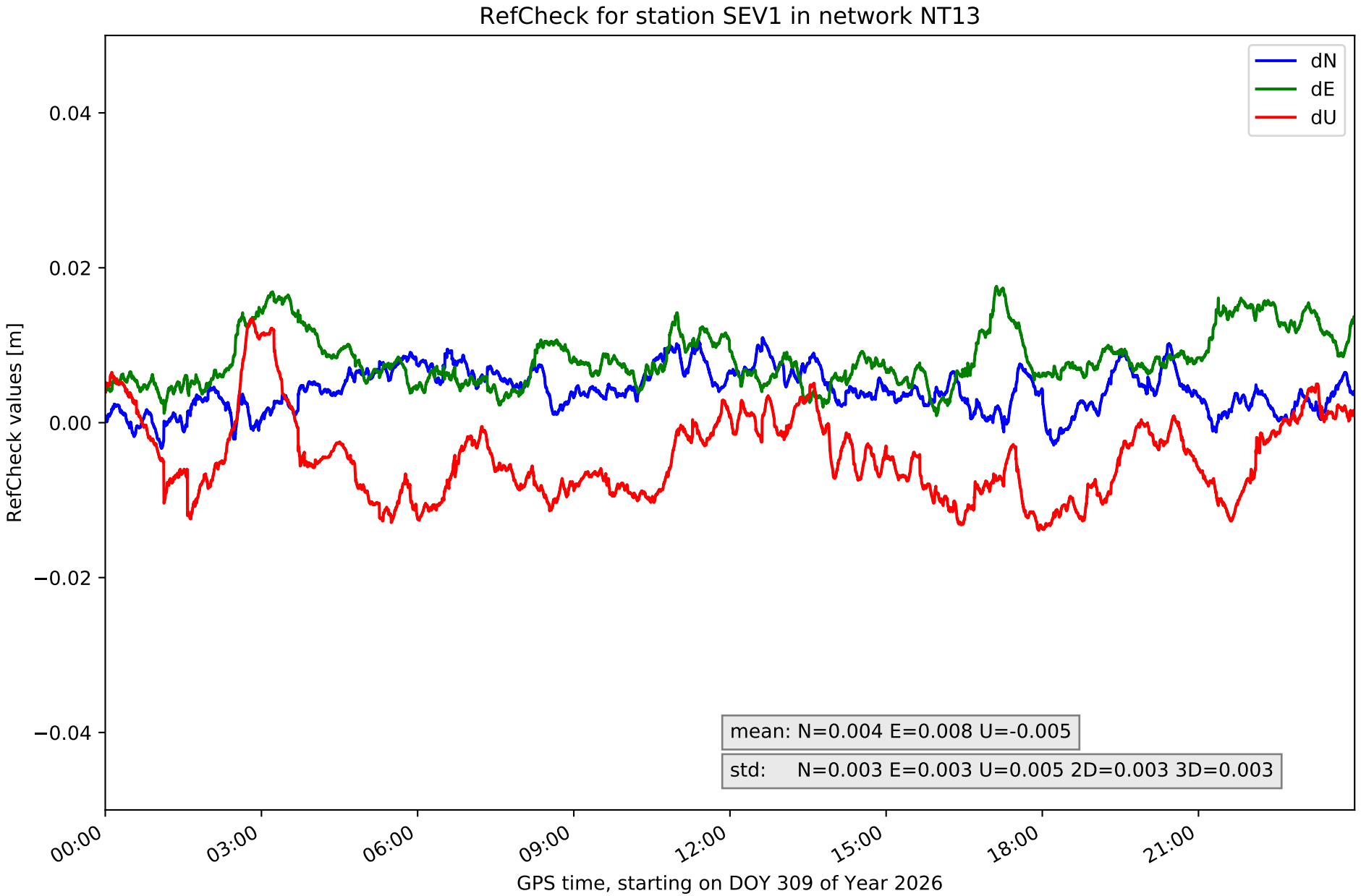

RefCheck for station MALA in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.001 E=0.007 U=-0.007
std: N=0.004 E=0.004 U=0.008 2D=0.004 3D=0.006
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

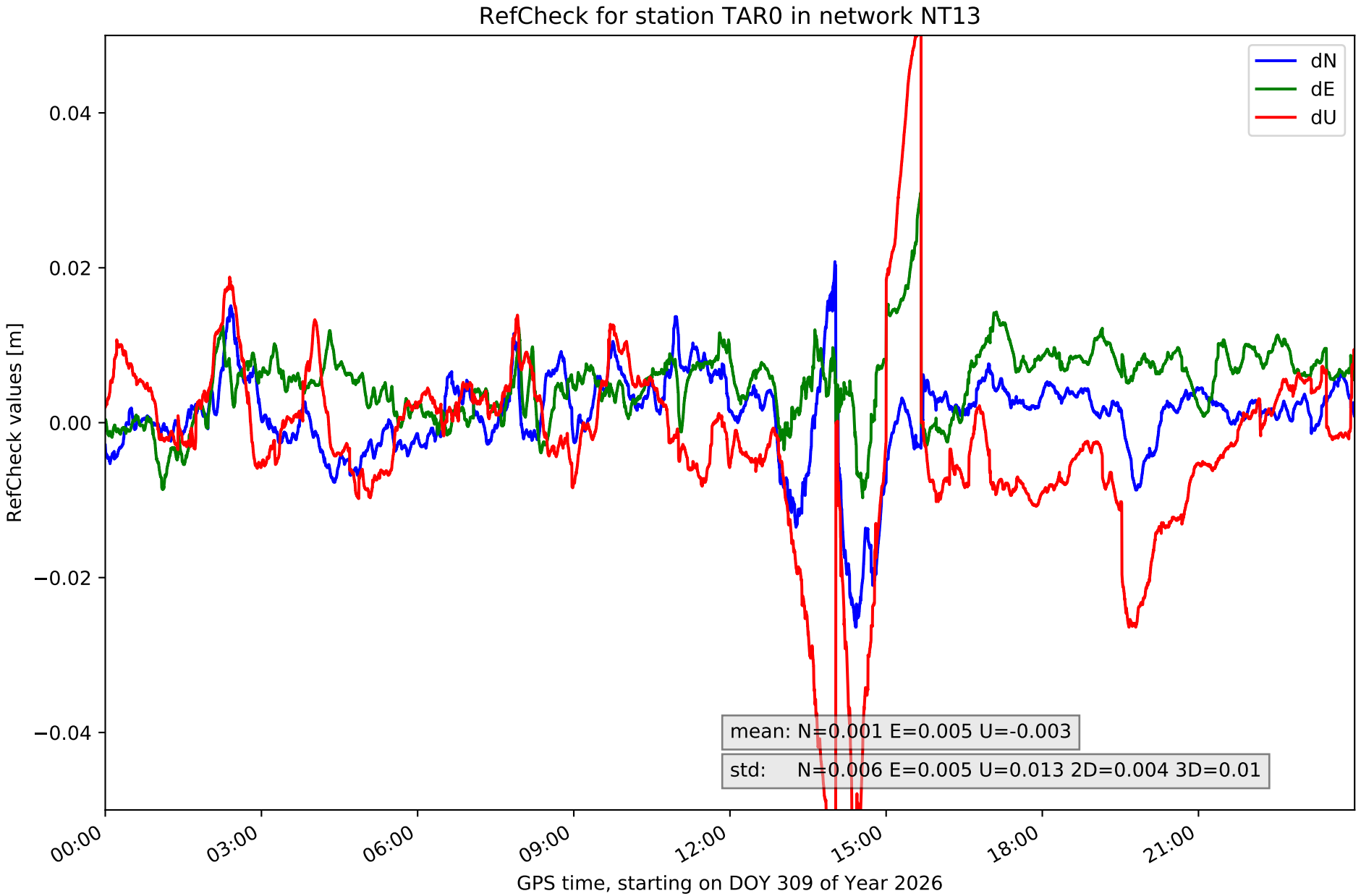

RefCheck for station MOFR in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.003 E=0.007 U=-0.0
std: N=0.002 E=0.003 U=0.005 2D=0.003 3D=0.003
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026

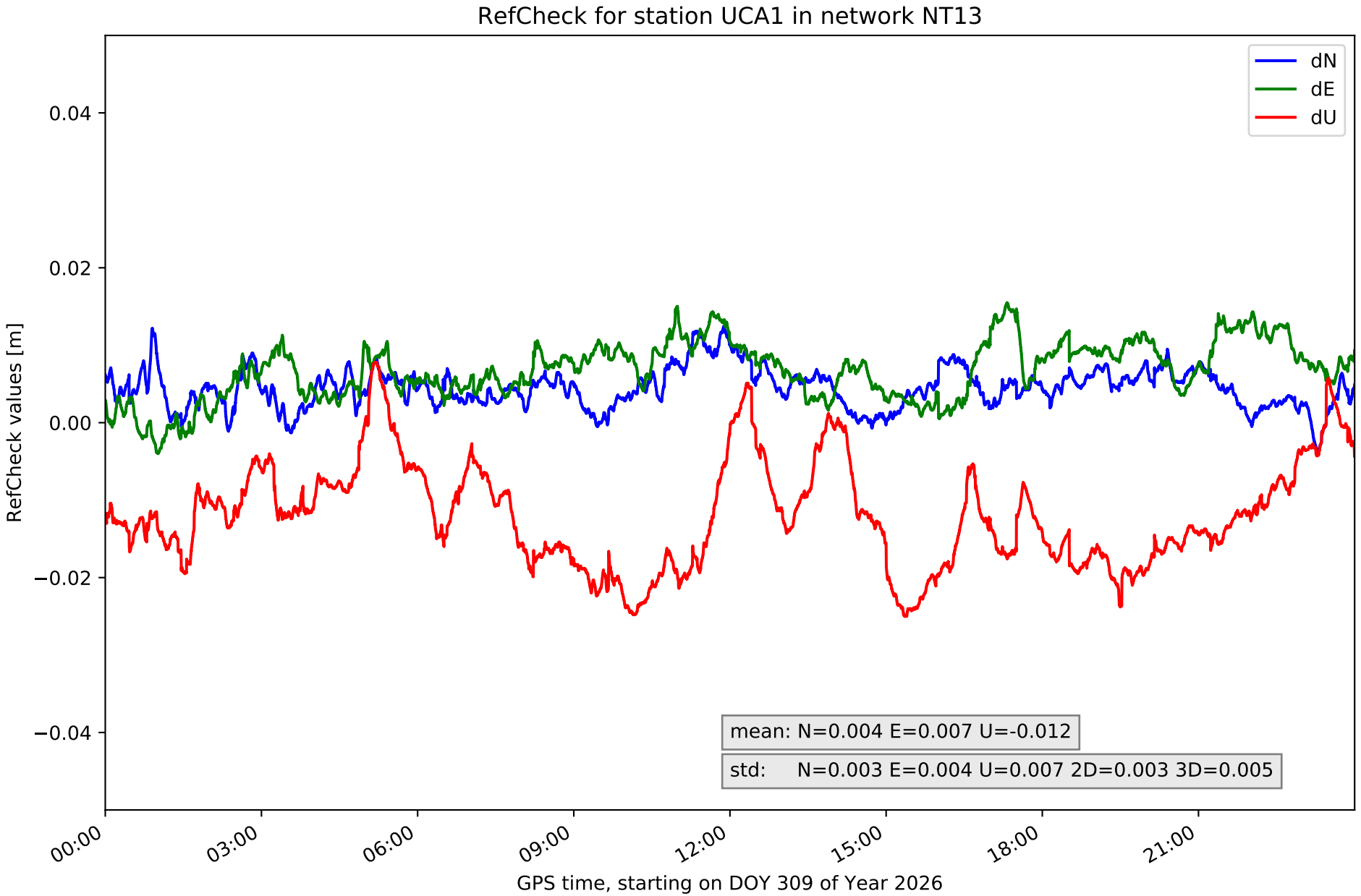

RefCheck for station MOTR in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.0 E=0.007 U=-0.002
std: N=0.004 E=0.004 U=0.007 2D=0.004 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026


RefCheck for station OSUN in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.005 E=0.011 U=-0.011
std: N=0.003 E=0.003 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 309 of Year 2026


RefCheck for station RON1 in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.003 E=0.011 U=-0.004
std: N=0.003 E=0.004 U=0.009 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 309 of Year 2026


RefCheck for station SEV1 in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.004 E=0.008 U=-0.005
std: N=0.003 E=0.003 U=0.005 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 309 of Year 2026


RefCheck for station TAR0 in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.001 E=0.005 U=-0.003
std: N=0.006 E=0.005 U=0.013 2D=0.004 3D=0.01
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 309 of Year 2026


RefCheck for station UCA1 in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.004 E=0.007 U=-0.012
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 309 of Year 2026

RefCheck values for network NT13

Station	Nmin	Nmax	Nstd	Emin	Emax	Estd	Umin	Umax	Ustd	std2D	std3D	#2D > 0.01	% 2D > 0.01	#3D > 0.02	% 3D > 0.02
ALGC	-0.015	**0.032**	0.004	-0.012	**0.036**	0.005	-0.041	0.034	0.01	0.005	0.006	22413	51.8	5147	11.9
AND2	-0.013	0.01	0.003	-0.003	0.018	0.004	-0.021	0.006	0.005	0.004	0.004	22324	51.6	1285	3.0
ARAC	-0.006	0.01	0.003	-0.0	0.018	0.003	-0.022	0.006	0.007	0.003	0.005	21313	49.3	6695	15.5
CABR	-0.006	0.009	0.003	-0.001	0.016	0.003	-0.007	0.013	0.004	0.003	0.003	13157	30.4	0	0.0
CAZA	-0.004	0.013	0.004	0.002	0.017	0.003	-0.024	0.005	0.006	0.004	0.005	24335	56.3	6286	14.5
CRDB	-0.021	0.014	0.003	-0.001	0.019	0.004	-0.019	0.01	0.005	0.003	0.004	30857	71.4	3601	8.3
HUEL	-0.011	0.014	0.004	-0.002	0.028	0.005	-0.045	0.017	0.012	0.005	0.008	24088	55.7	10213	23.6
LEBR	**-0.038**	0.021	**0.009**	**-0.041**	0.03	**0.01**	-0.058	**0.06**	**0.022**	**0.007**	**0.013**	**34488**	**79.8**	**31294**	**72.4**
MALA	-0.014	0.012	0.004	-0.004	0.016	0.004	-0.04	0.008	0.008	0.004	0.006	11647	26.9	3721	8.6
MOFR	-0.006	0.009	0.002	-0.002	0.015	0.003	-0.012	0.015	0.005	0.003	0.003	11873	27.5	0	0.0
MOTR	-0.014	0.01	0.004	-0.004	0.015	0.004	-0.016	0.015	0.007	0.004	0.004	15450	35.7	261	0.6
OSUN	-0.002	0.018	0.003	0.004	0.02	0.003	-0.025	0.005	0.006	0.003	0.005	32538	75.3	10360	24.0
RON1	-0.004	0.014	0.003	0.001	0.021	0.004	-0.023	0.02	0.009	0.003	0.004	30760	71.1	4780	11.1
SEV1	-0.003	0.011	0.003	0.001	0.018	0.003	-0.014	0.013	0.005	0.003	0.003	18275	42.3	164	0.4
TAR0	-0.026	0.021	0.006	-0.01	0.03	0.005	**-0.06**	0.054	0.013	0.004	0.01	10688	24.7	5345	12.4
UCA1	-0.004	0.013	0.003	-0.004	0.015	0.004	-0.025	0.008	0.007	0.003	0.005	14461	33.4	11448	26.5
Mean	**-0.012**	**0.014**	**0.004**	**-0.005**	**0.021**	**0.004**	**-0.028**	**0.018**	**0.008**	**0.004**	**0.006**	**21166.7**	**48.9**	**6287.5**	**14.6**
Min/Max	**-0.038**	**0.032**	**0.009**	**-0.041**	**0.036**	**0.01**	**-0.06**	**0.06**	**0.022**	**0.007**	**0.013**	**34488**	**79.8**	**31294**	**72.4**

fixing statistic for network NT13

fixing percentage of	all GNSS	G	R	E	C
using threshold 0.3	91.3	94.0	92.3	95.1	77.4
considering satellites with dual-frequency fixed	90.4	90.6	88.6	92.3	86.5
considering all signals separately	90.9	91.0	88.6	92.7	85.5