summary for network NT13

timeperiod chosen: from 2026-03-03-00:00:00 until 2026-03-03-23:59:58

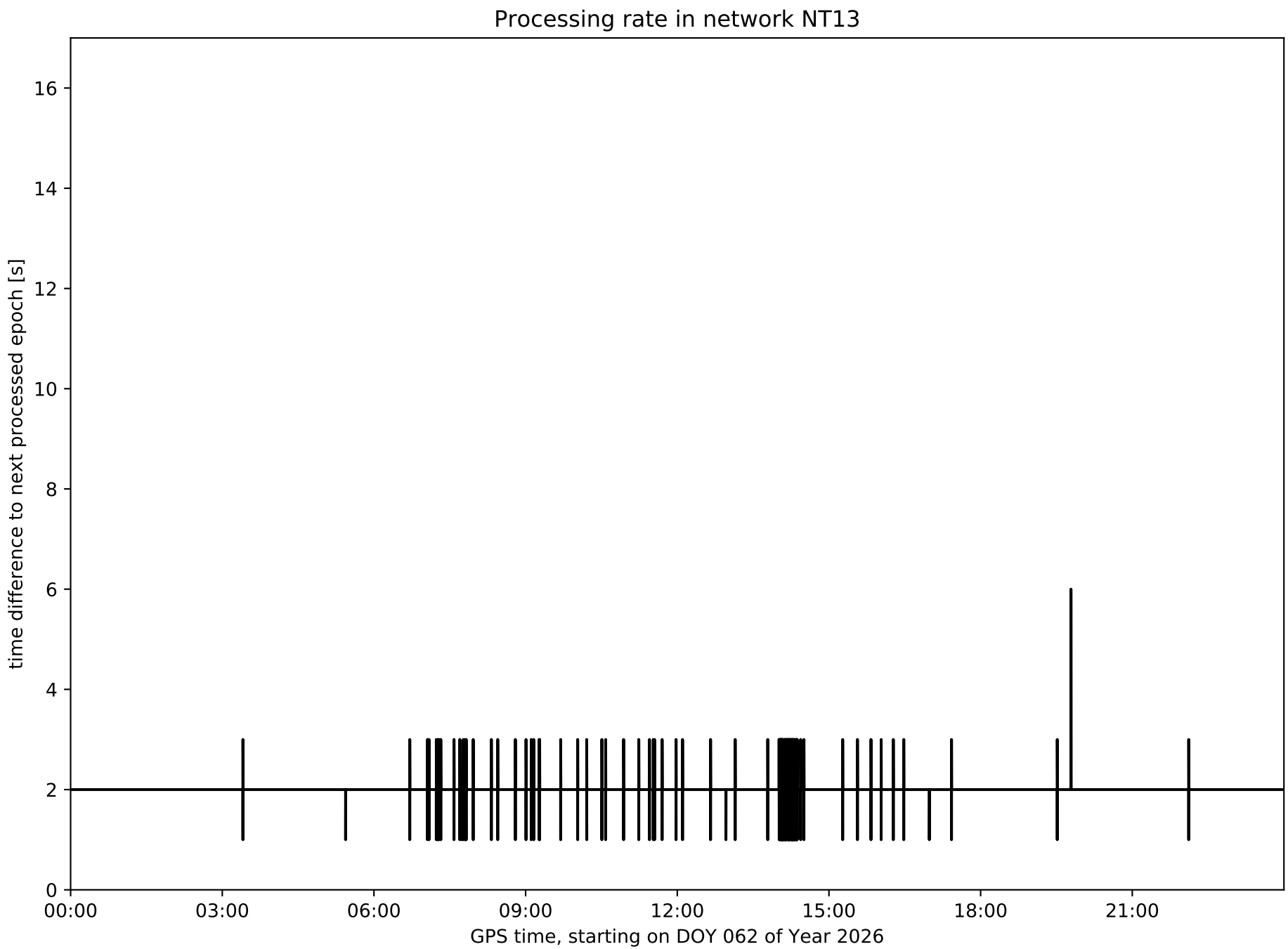
average update rate (durations larger than 15 seconds considered as observation gap): 2.0 seconds

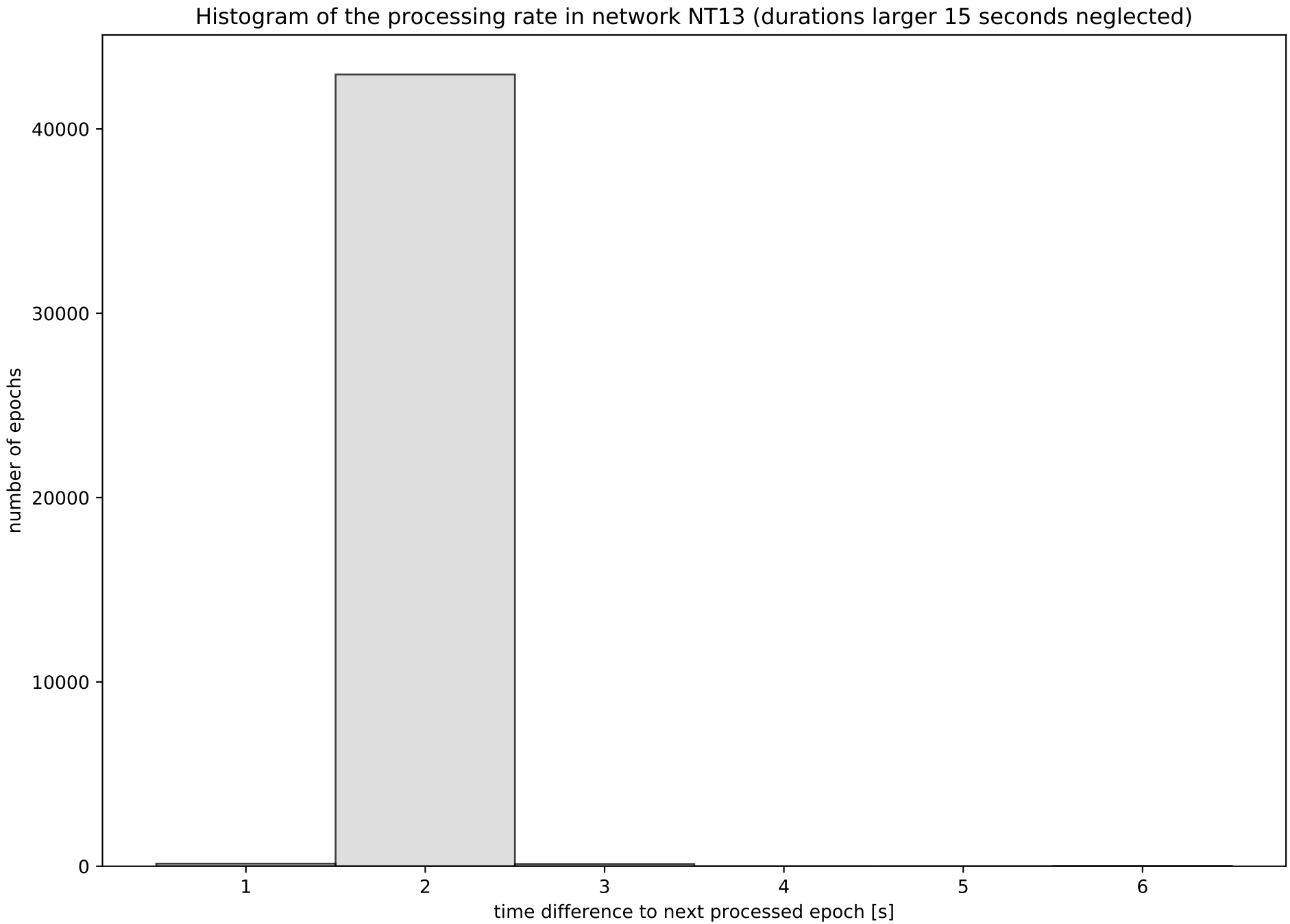
average fixing percentage with threshold set to 0.3: 83.9 percent

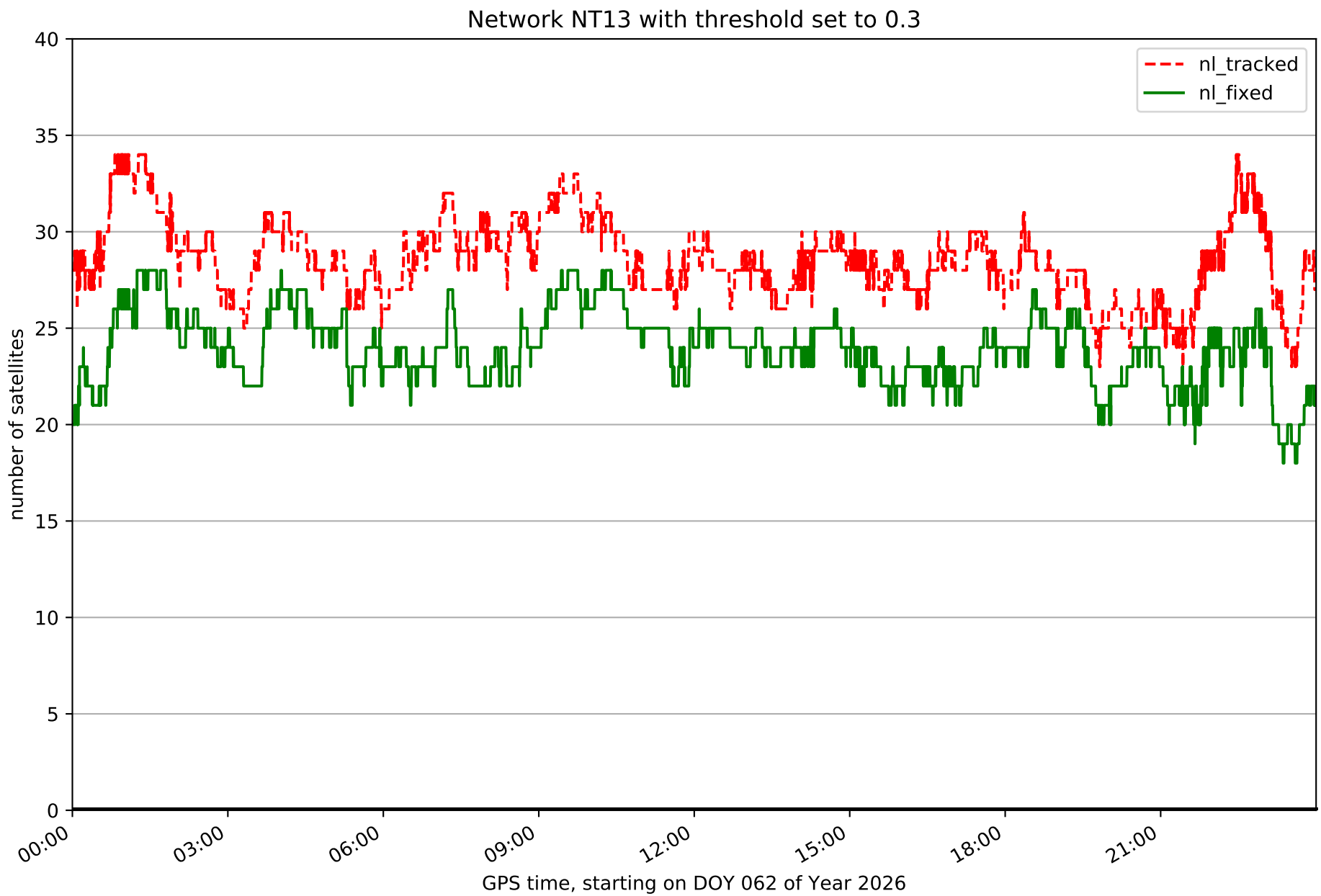
stations available: 16 of 17

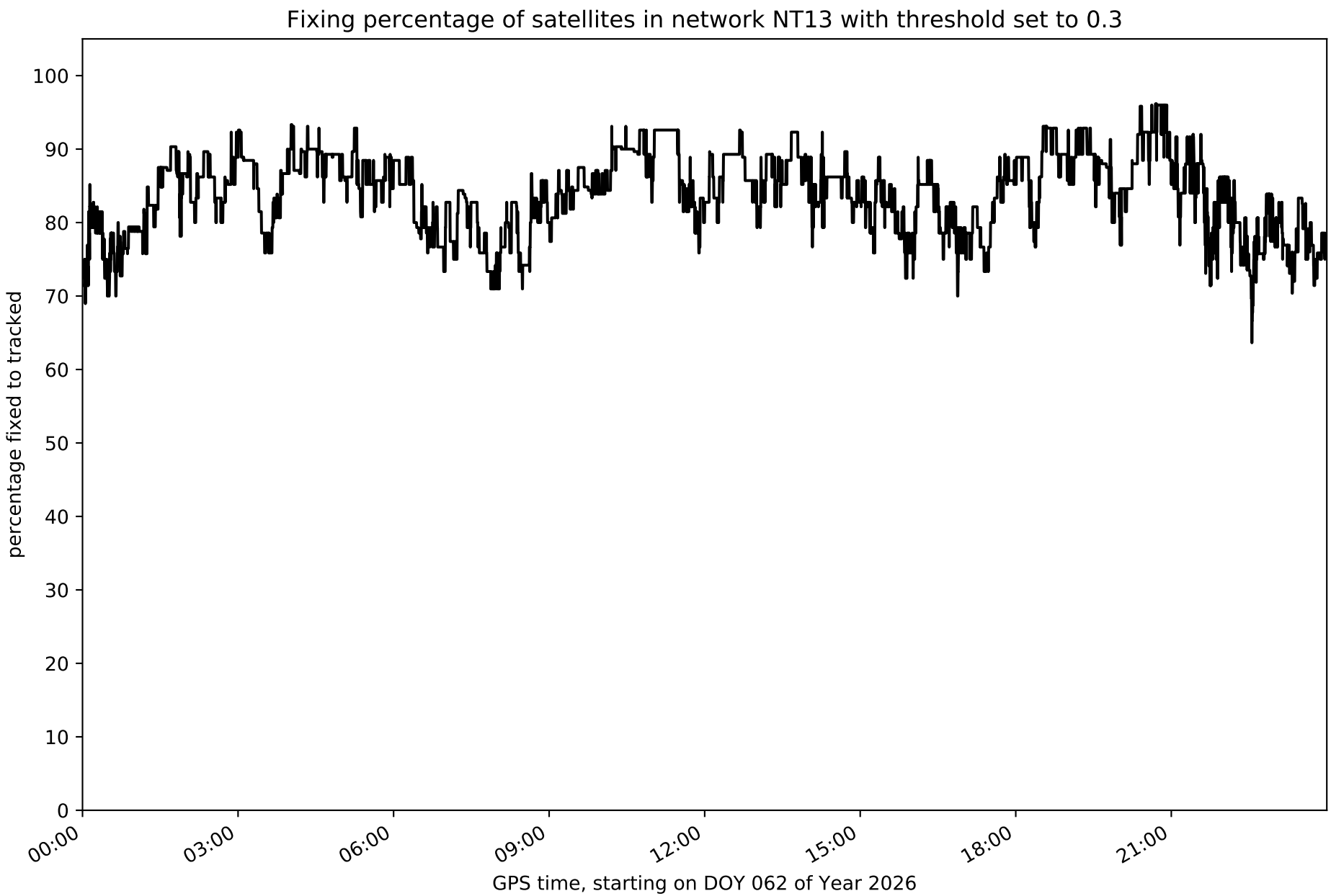
station information:

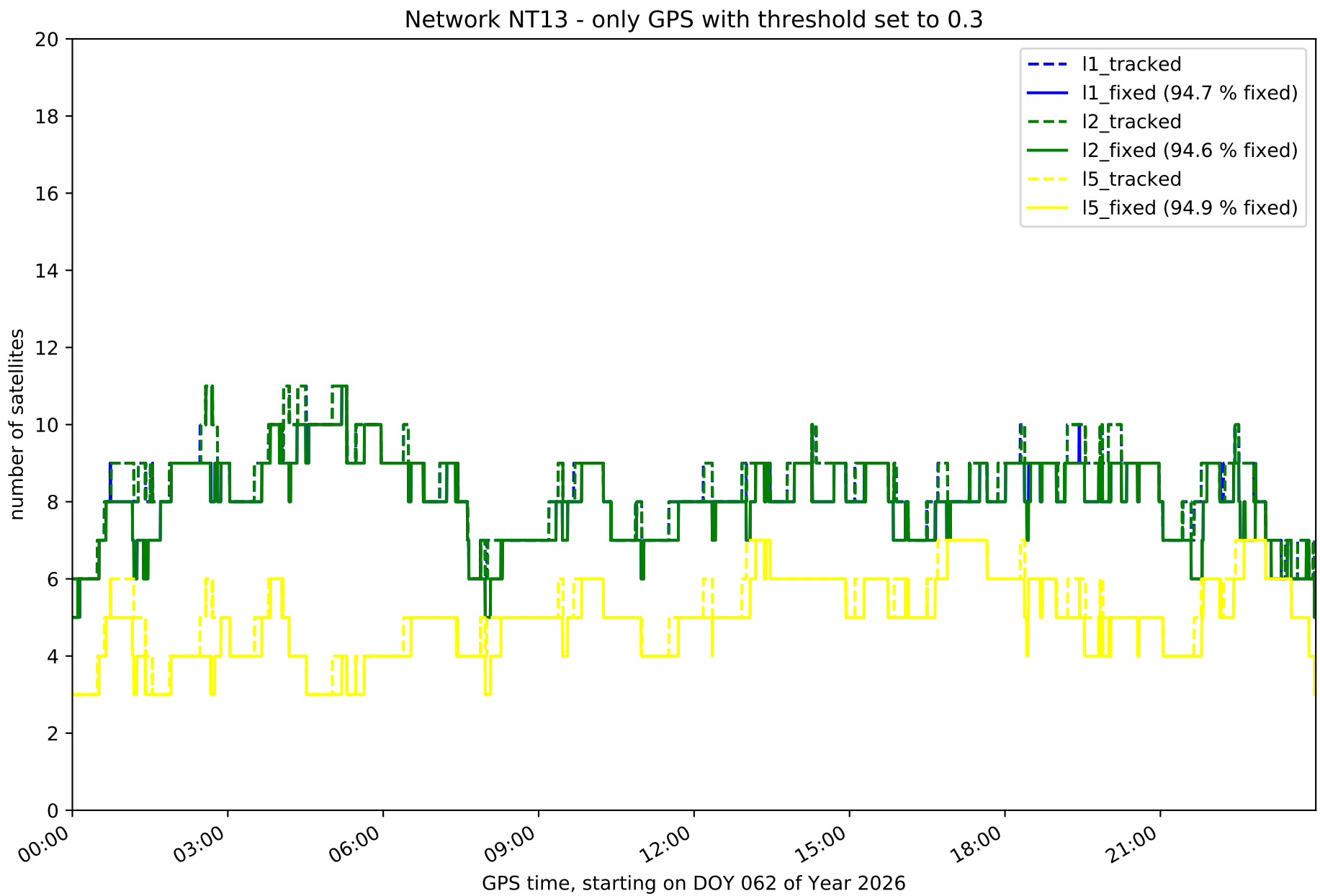
station ALGC:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 117.171
station AND2:	antenna: LEIAR20 LEIM	receiver: LEICA GR50	height: 284.274
station ARAC:	antenna: LEIAR20 LEIM	receiver: LEICA GR25	height: 725.104
station CABR:	antenna: LEIAT504_____LEIS	receiver: LEICA GR25	height: 572.15
station CAZA:	antenna: LEIAR20 LEIM	receiver: LEICA GR25	height: 663.115
station CEU1:	antenna: TRM59900.00 SCIS	receiver: TRIMBLE NETR9	height: 52.521
station CRDB:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 196.076
station HUEL:	antenna: LEIAR20 LEIM	receiver: LEICA GR50	height: 81.905
station LEBR:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 77.601
station MALA:	antenna: LEIAR25.R4 LEIT	receiver: LEICA GR25	height: 122.877
station MOFR:	antenna: TRM57971.00 TZGD	receiver: TRIMBLE NETR9	height: 276.415
station MOTR:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 166.934
station OSUN:	antenna: GPPNULLANTENNA NONE	receiver: TRIMBLE NETR9	height: 363.146
station RON1:	antenna: GPPNULLANTENNA NONE	receiver: TRIMBLE NETR9	height: 820.772
station SEV1:	antenna: TRM59900.00 SCIS	receiver: TRIMBLE NETR9	height: 69.752
station TAR0:	antenna: LEIAR20 LEIM	receiver: LEICA GR25	height: 50.076
station UCA1:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 67.718

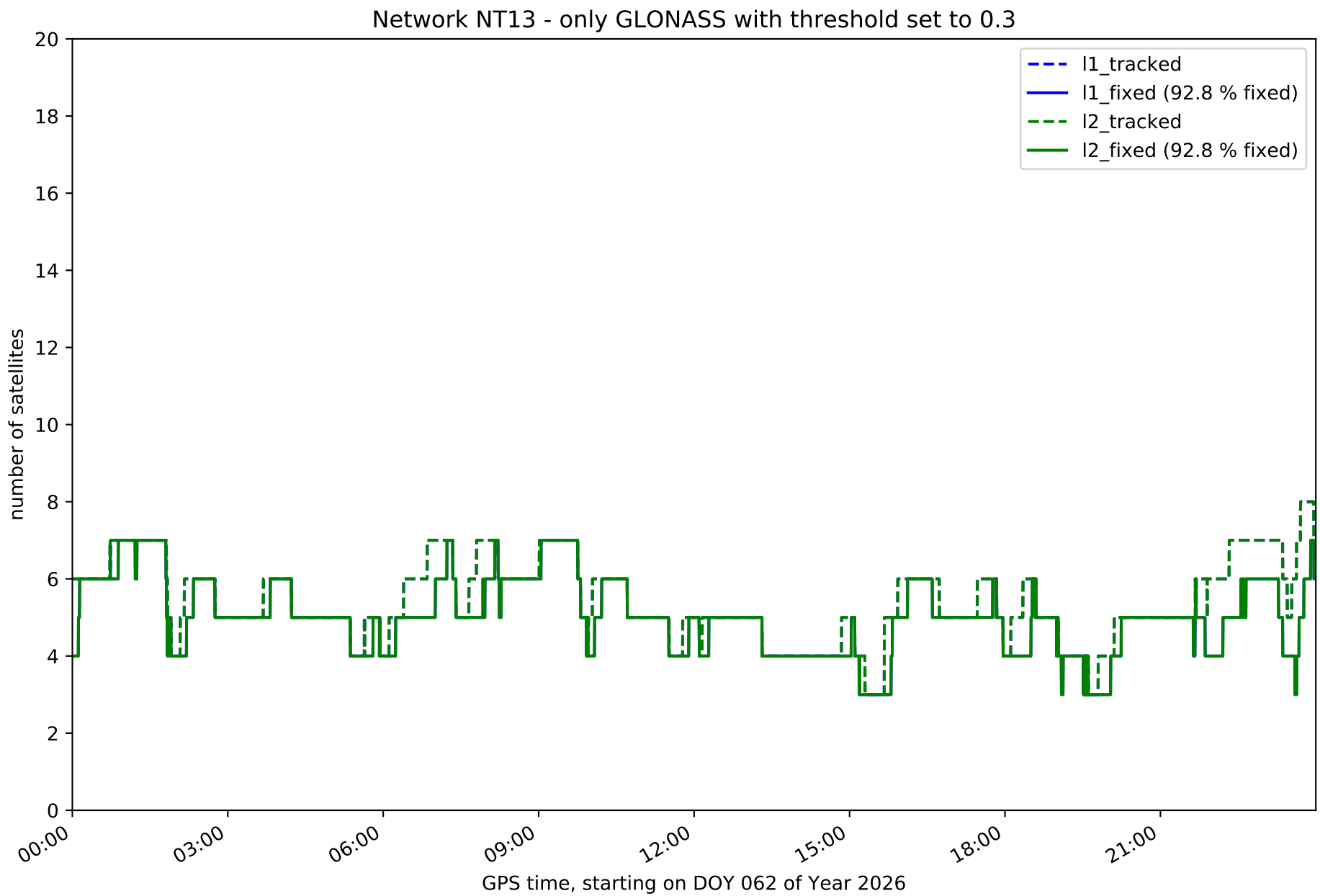

Processing rate in network NT13
time difference to next processed epoch [s]
0
2
4
6
8
10
12
14
16
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 062 of Year 2026

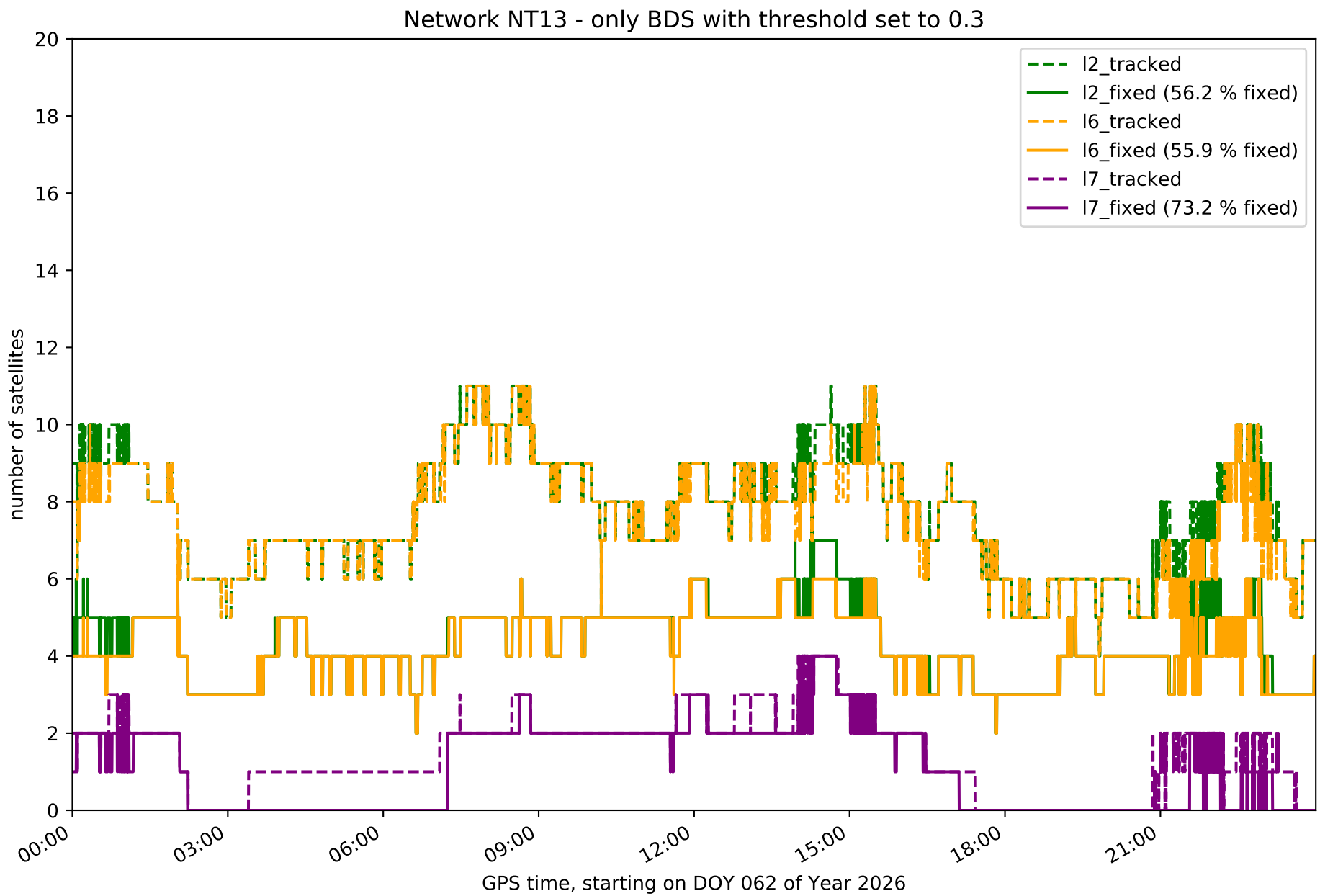

Histogram of the processing rate in network NT13 (durations larger 15 seconds neglected)
number of epochs
0
10000
20000
30000
40000
1
2
3
4
5
6
time difference to next processed epoch [s]

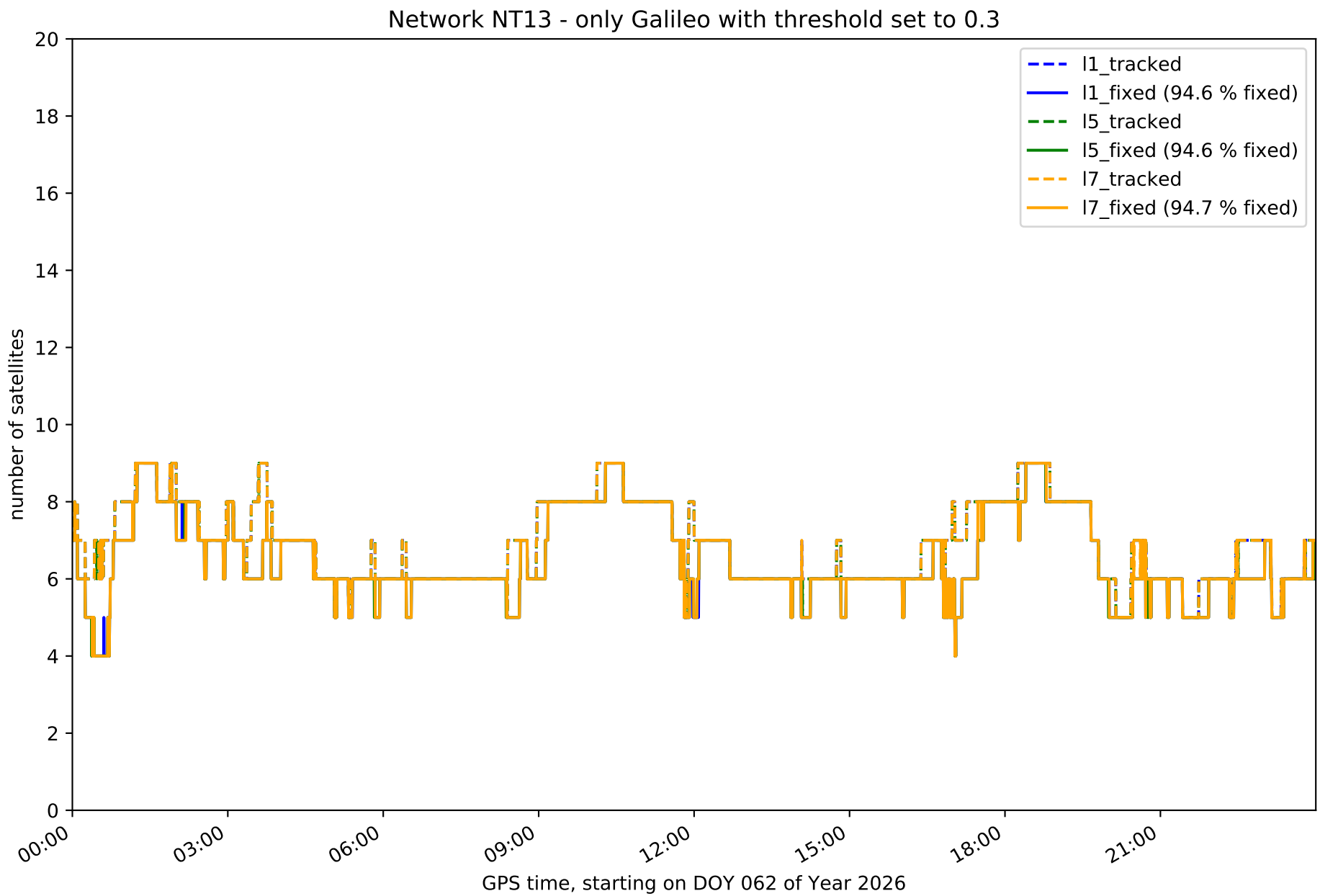

Network NT13 with threshold set to 0.3
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
40
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 062 of Year 2026

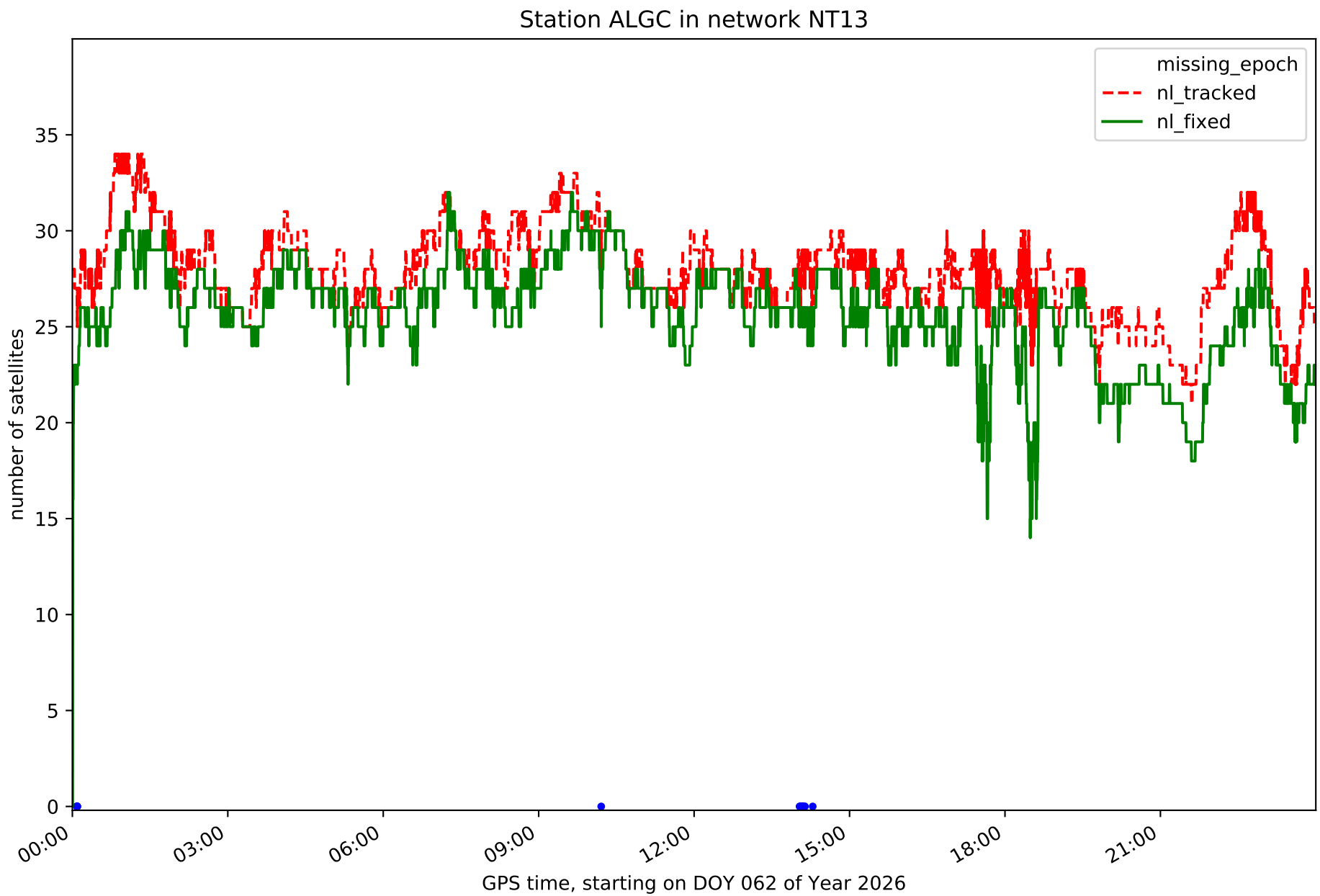

Fixing percentage of satellites in network NT13 with threshold set to 0.3
percentage fixed to tracked
0
10
20
30
40
50
60
70
80
90
100
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 062 of Year 2026

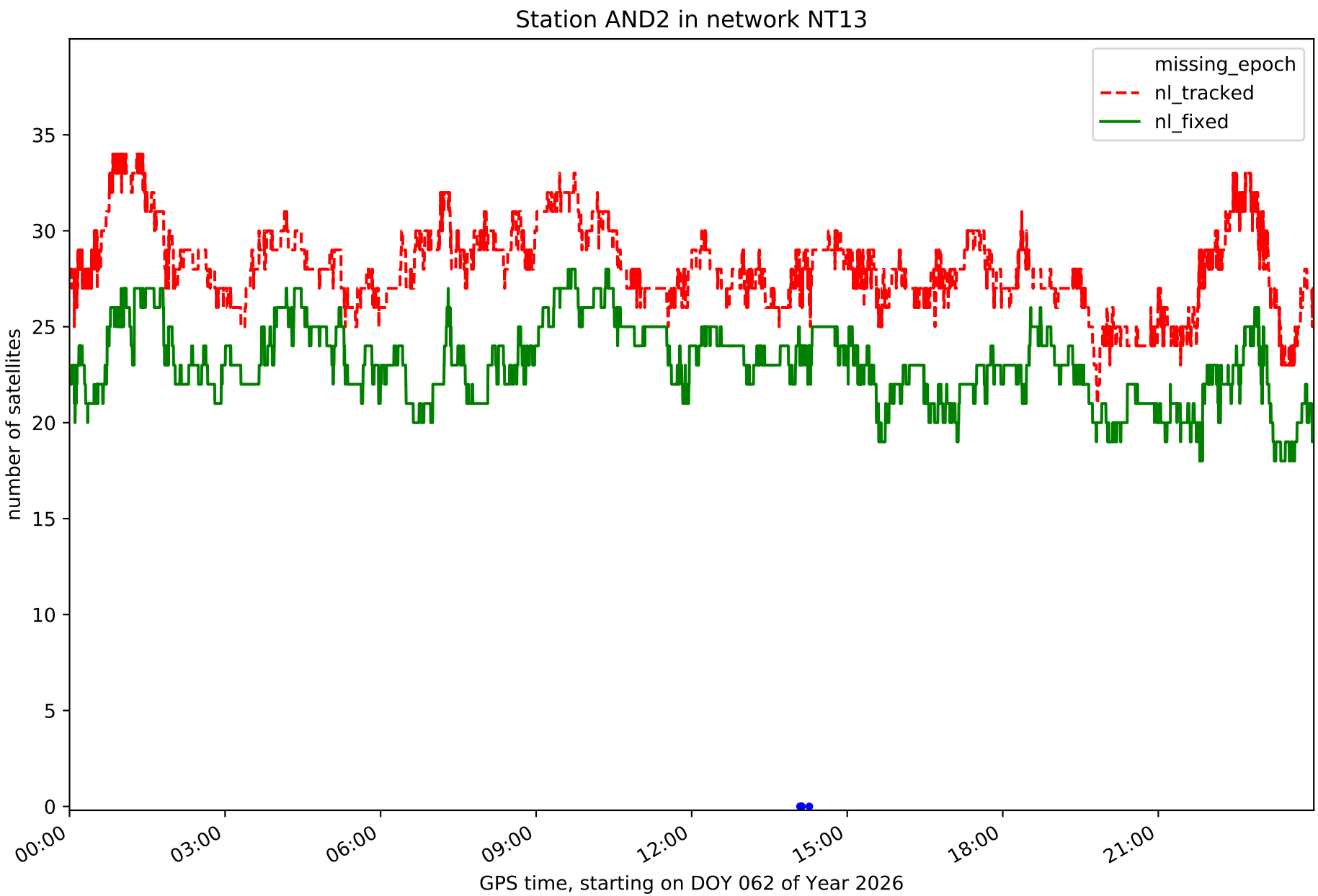

Network NT13 - only GPS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 062 of Year 2026
0
2
4
6
8
10
12
14
16
18
20
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
l1_tracked
l1_fixed (94.7 % fixed)
l2_tracked
l2_fixed (94.6 % fixed)
l5_tracked
l5_fixed (94.9 % fixed)

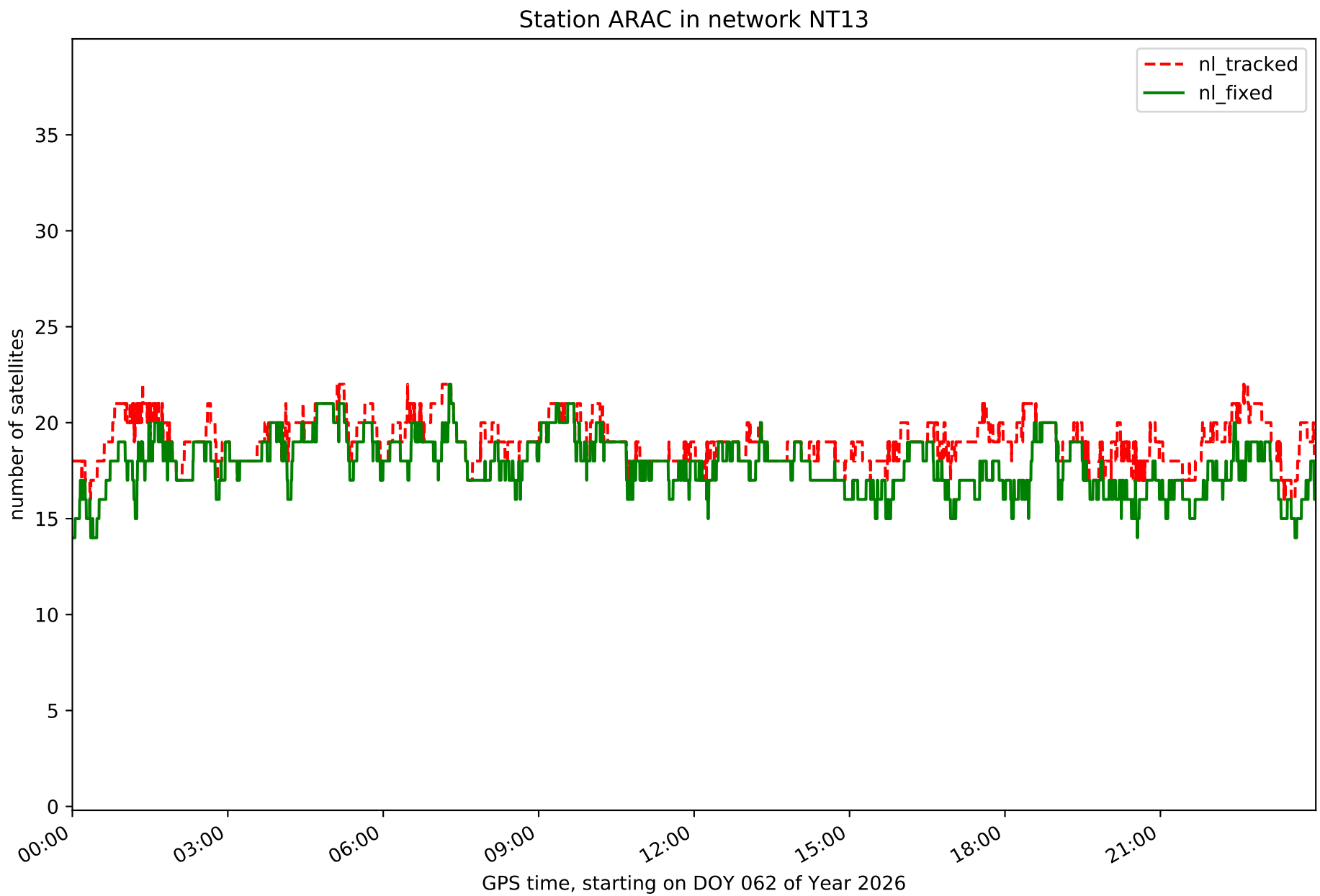

Network NT13 - only GLONASS with threshold set to 0.3
l1_tracked
l1_fixed (92.8 % fixed)
l2_tracked
l2_fixed (92.8 % fixed)
number of satellites
0
2
4
6
8
10
12
14
16
18
20
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 062 of Year 2026

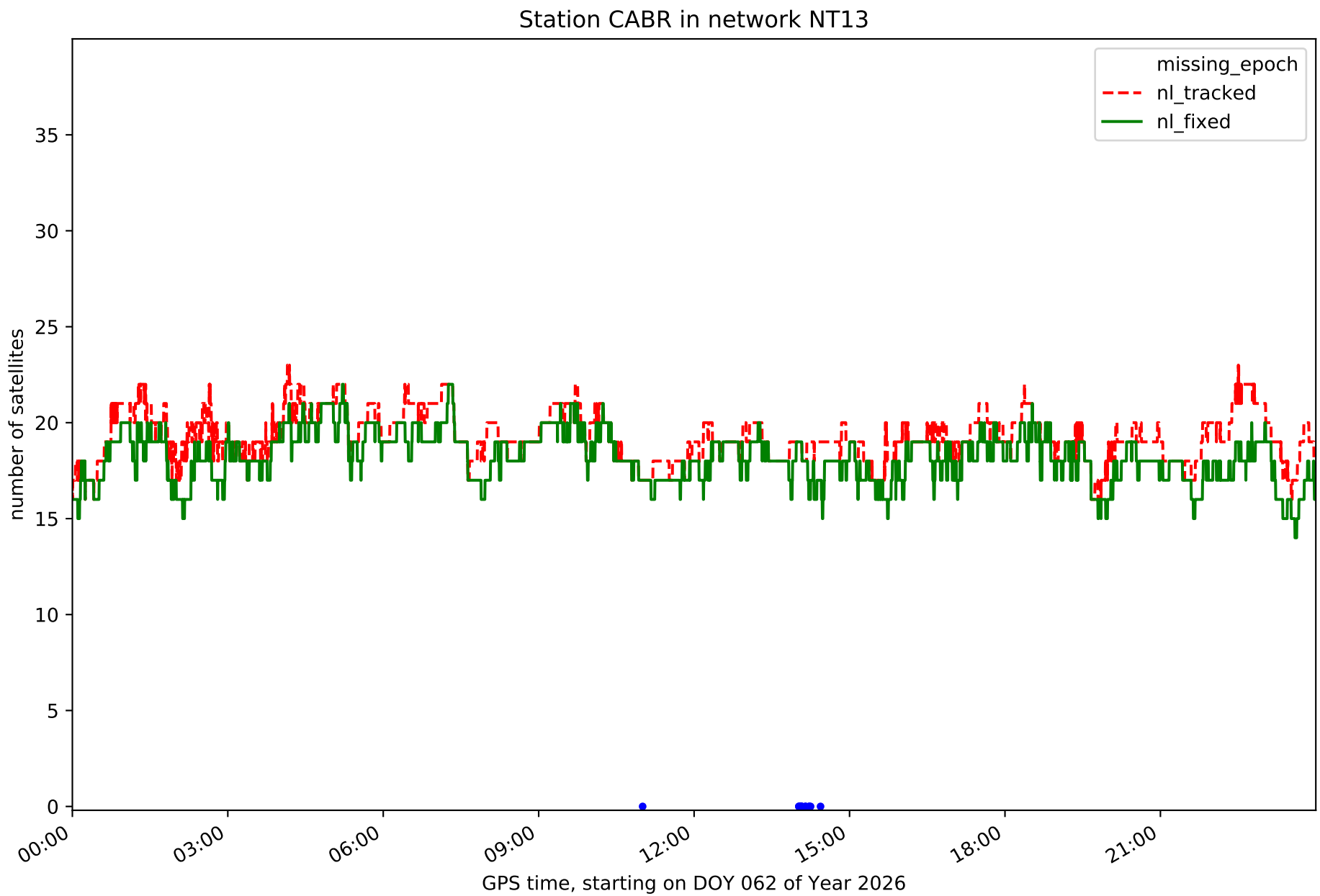

Network NT13 - only BDS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 062 of Year 2026
0
2
4
6
8
10
12
14
16
18
20
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
l2_tracked
l2_fixed (56.2 % fixed)
l6_tracked
l6_fixed (55.9 % fixed)
l7_tracked
l7_fixed (73.2 % fixed)

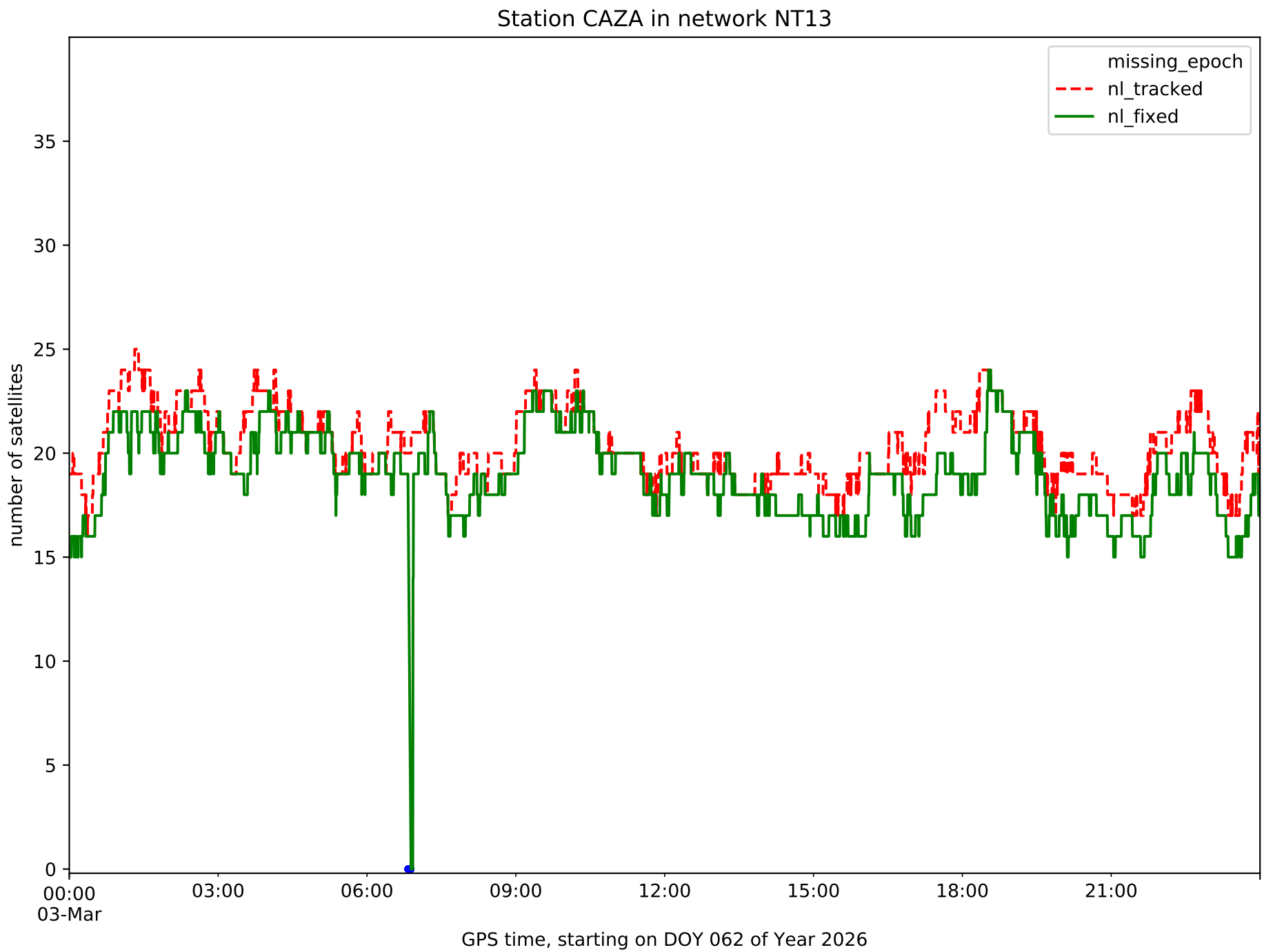

Network NT13 - only Galileo with threshold set to 0.3
l1_tracked
l1_fixed (94.6 % fixed)
l5_tracked
l5_fixed (94.6 % fixed)
l7_tracked
l7_fixed (94.7 % fixed)
number of satellites
0
2
4
6
8
10
12
14
16
18
20
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 062 of Year 2026

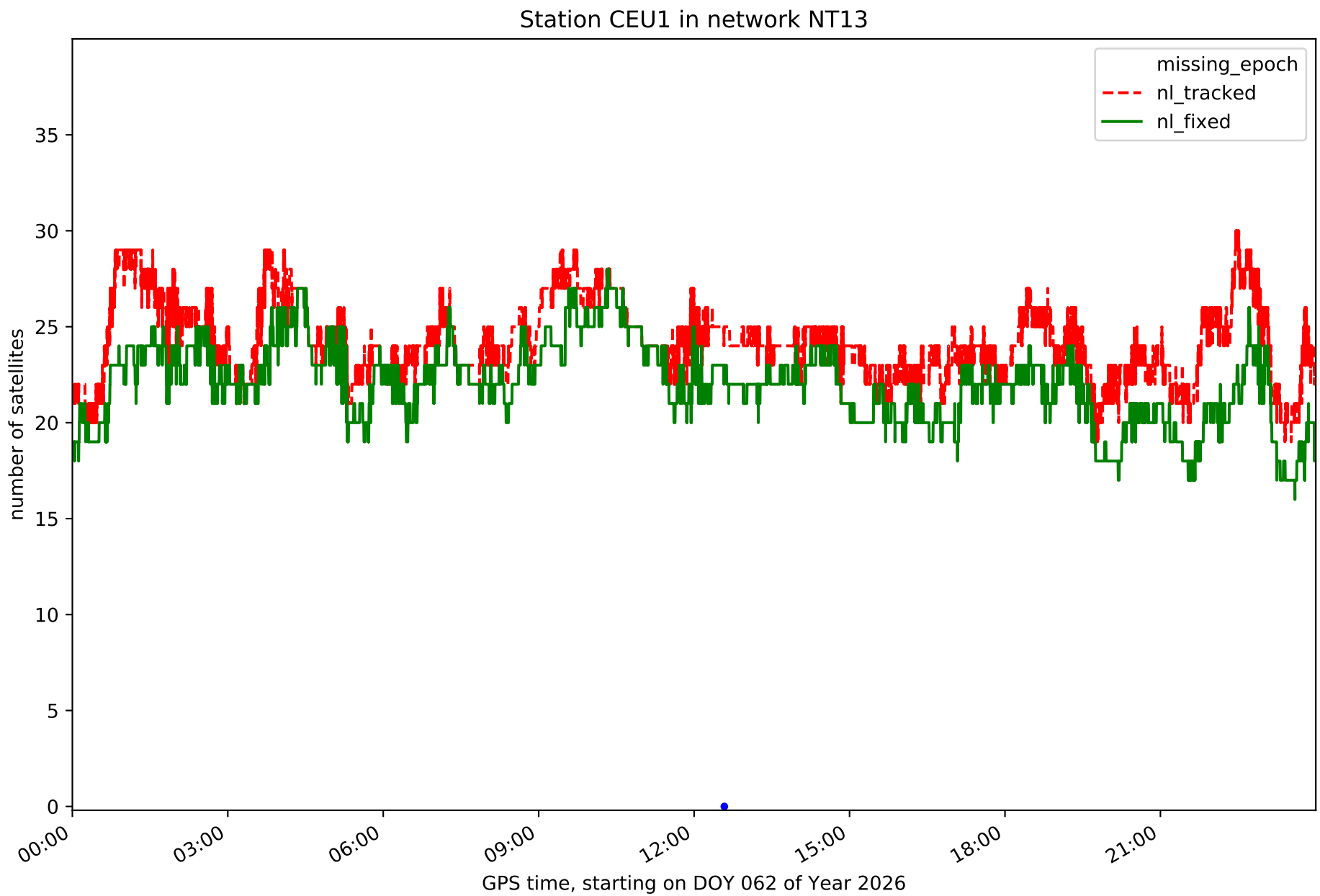

Station ALGC in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 062 of Year 2026

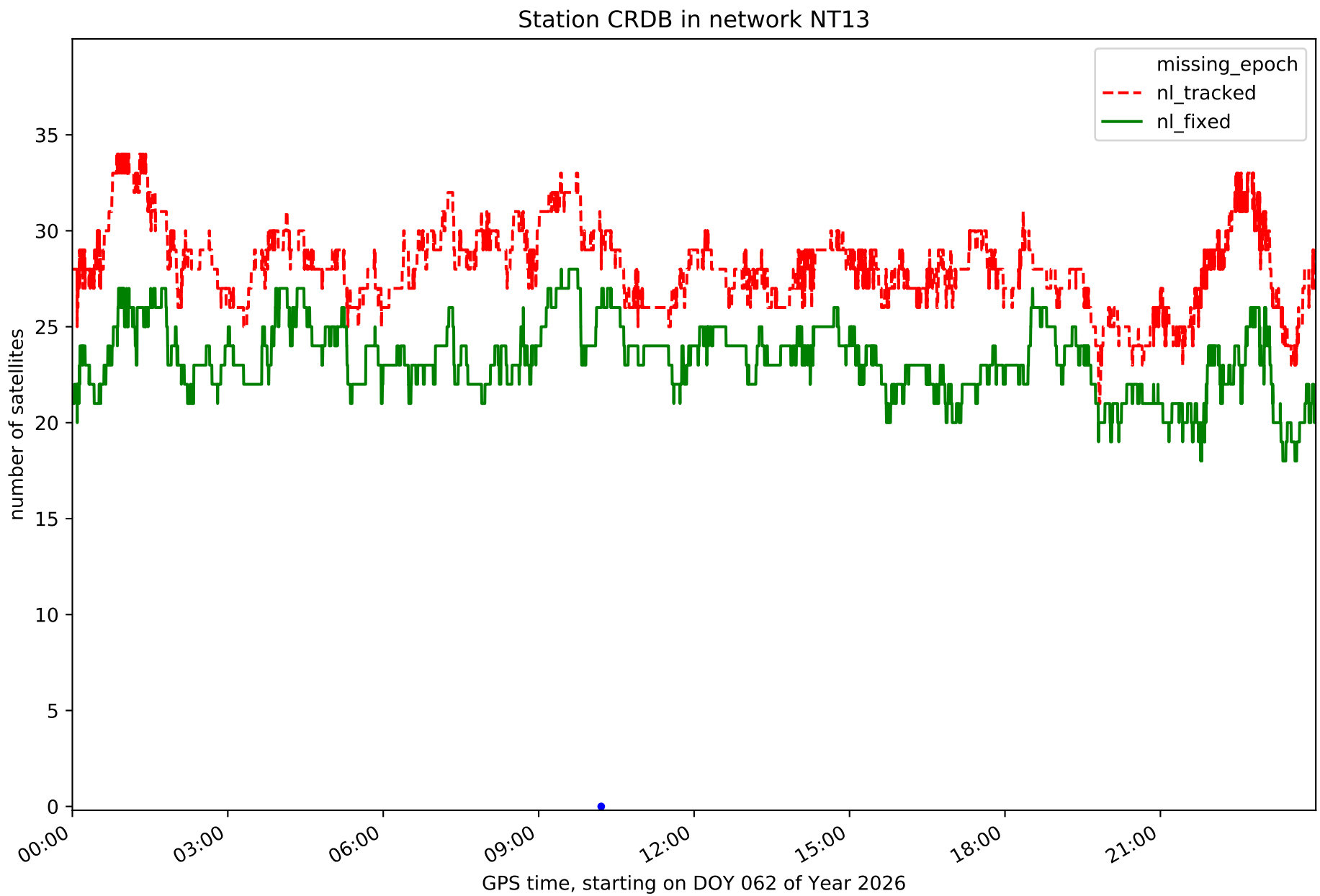

Station AND2 in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 062 of Year 2026

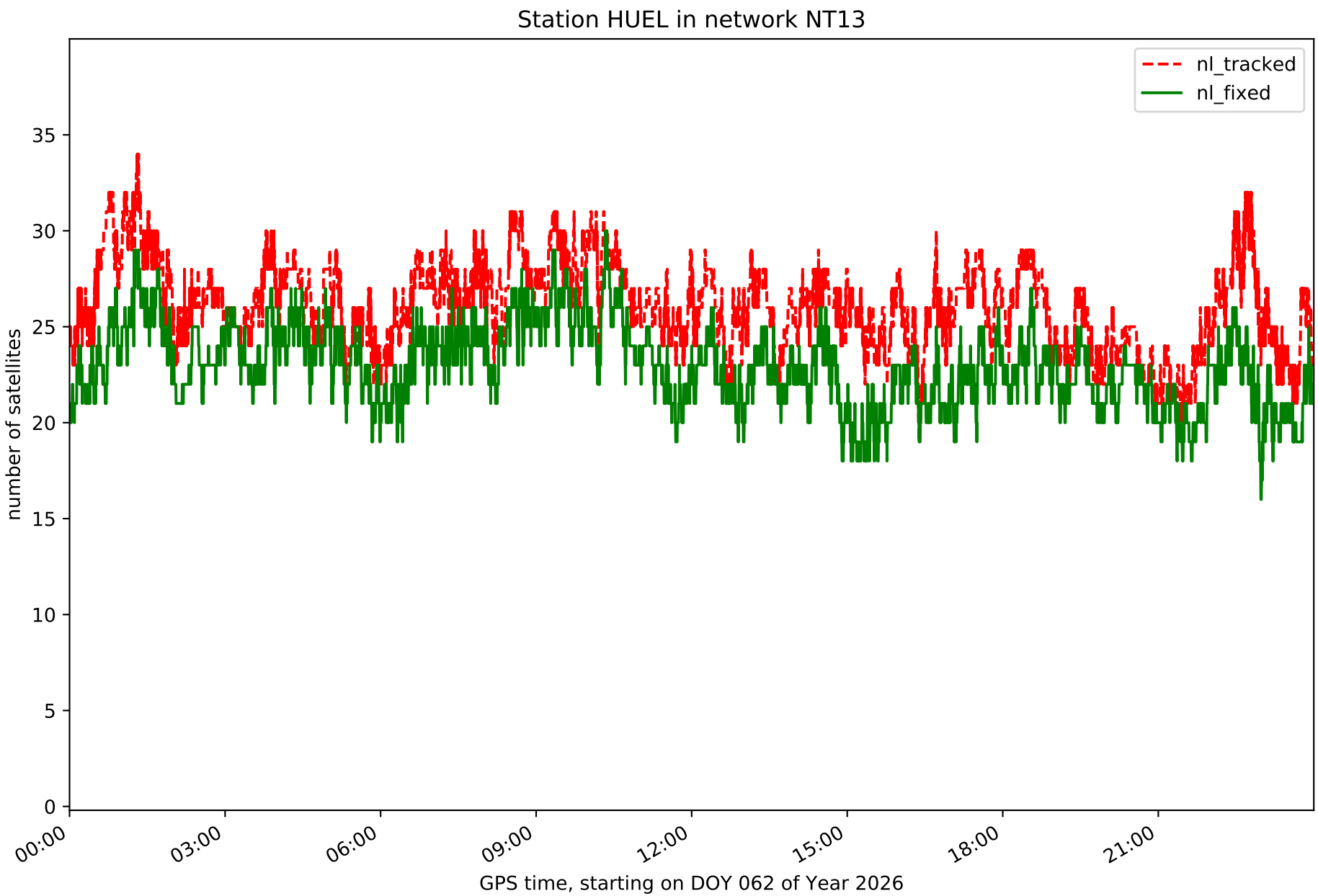

Station ARAC in network NT13
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 062 of Year 2026

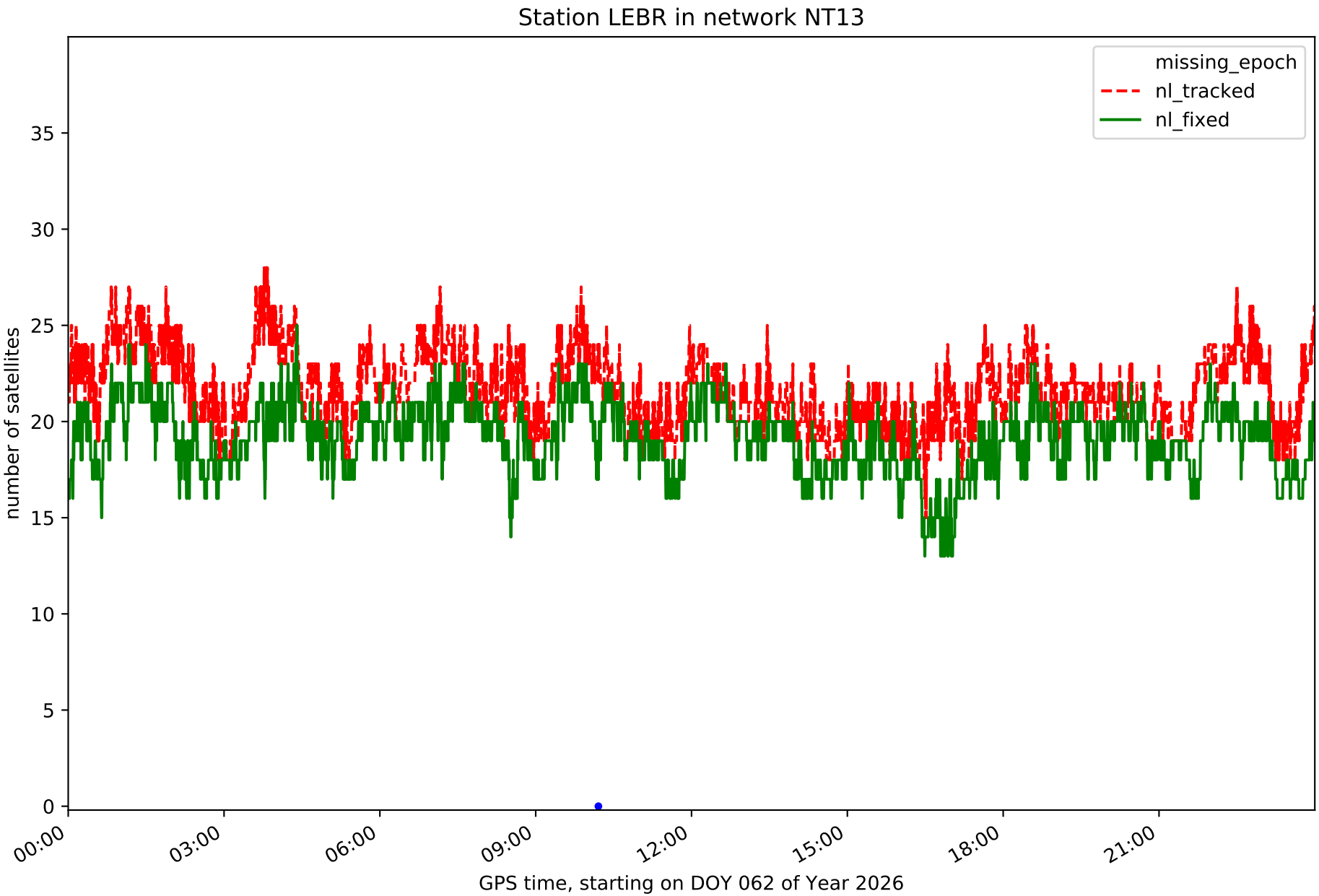

Station CABR in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 062 of Year 2026

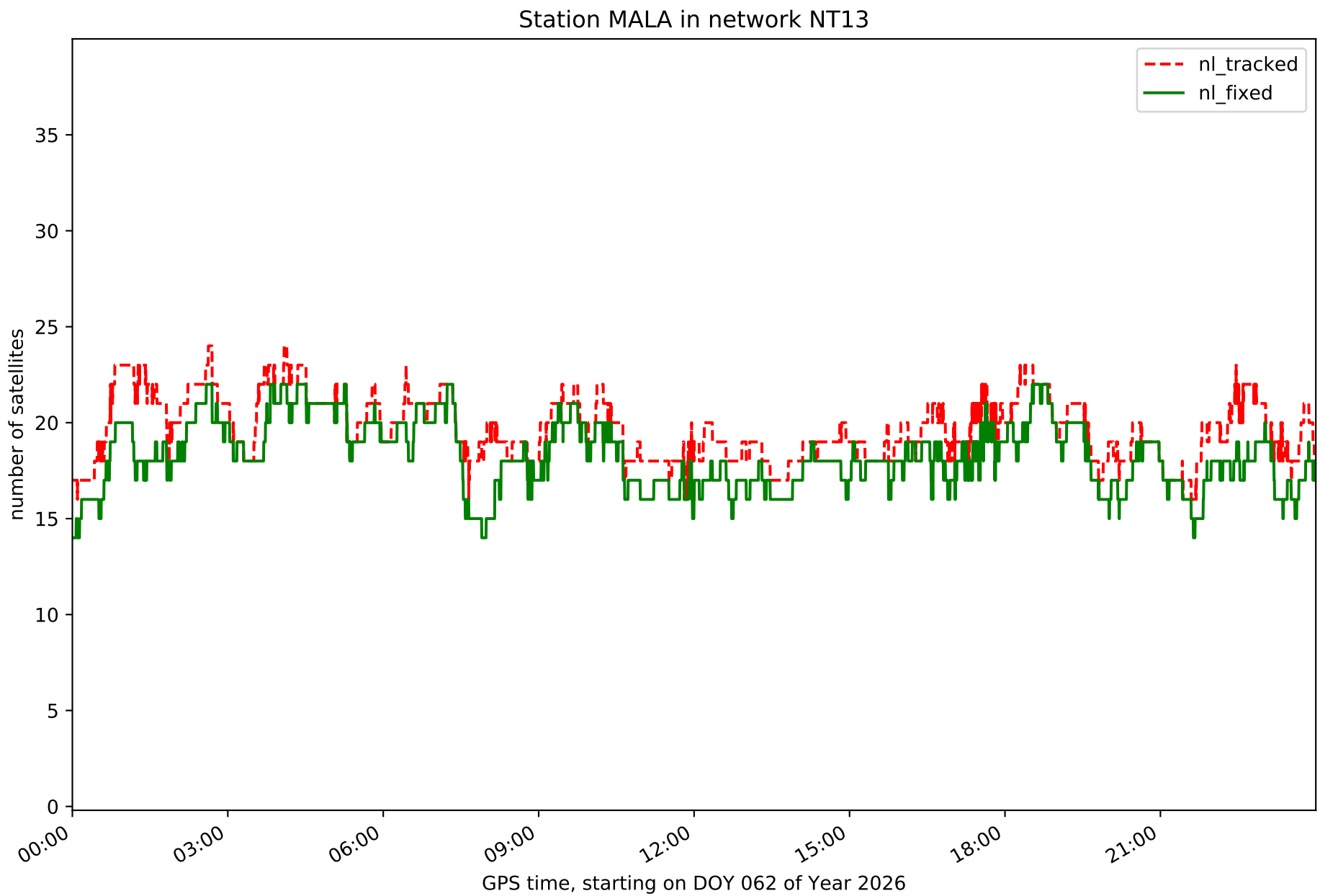

Station CAZA in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03-Mar
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 062 of Year 2026

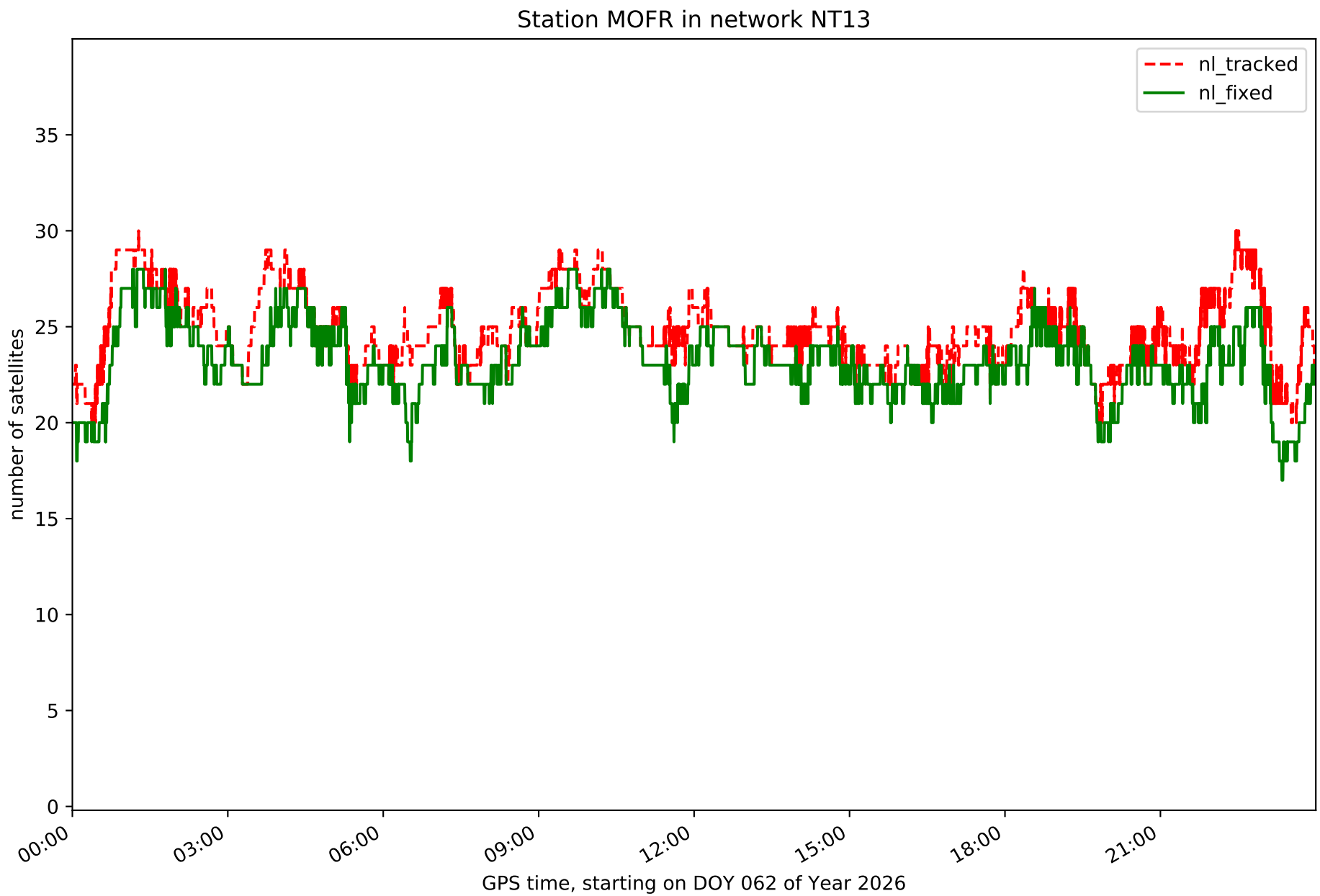

Station CEU1 in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 062 of Year 2026

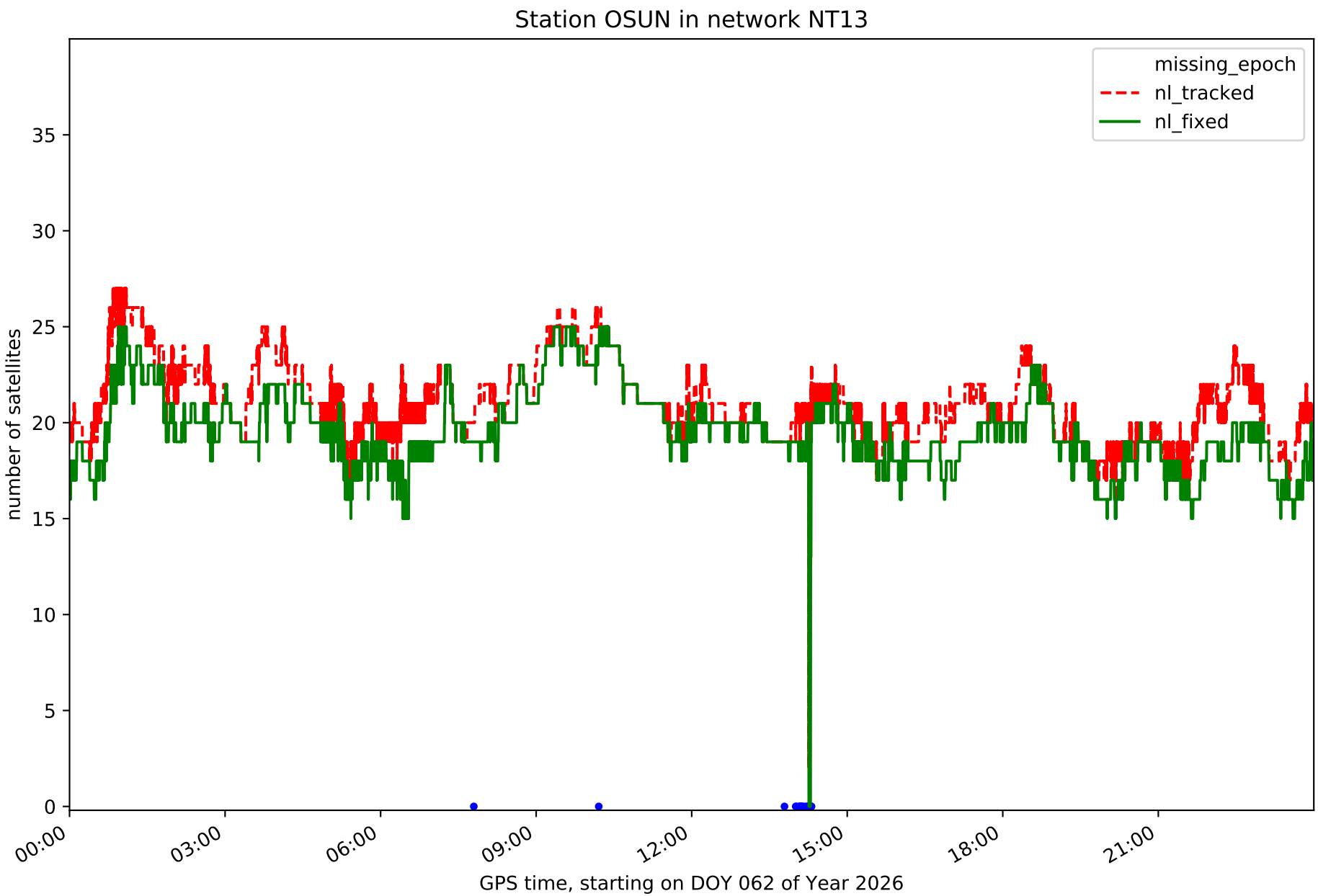

Station CRDB in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 062 of Year 2026

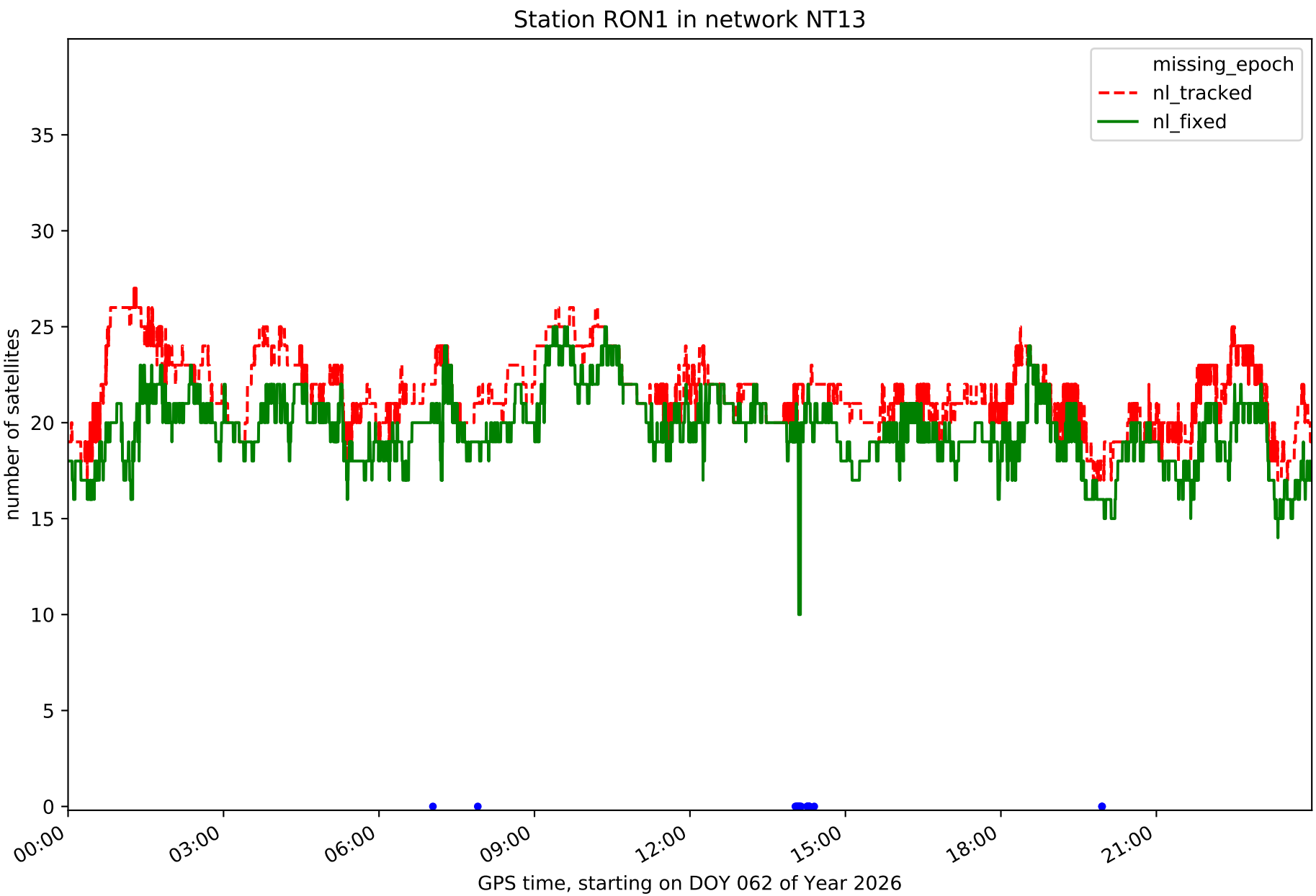

Station HUEL in network NT13
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 062 of Year 2026

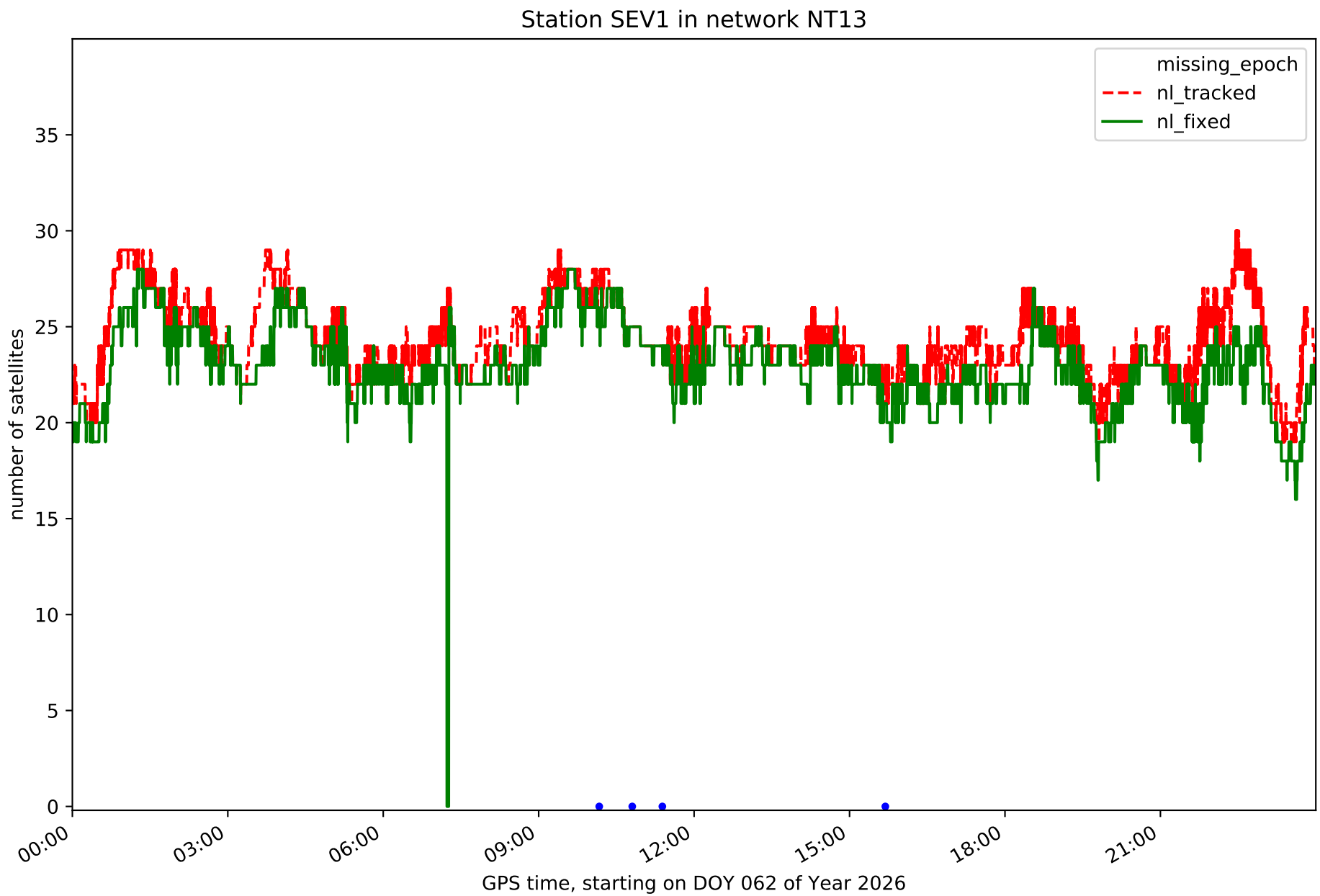

Station LEBR in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 062 of Year 2026

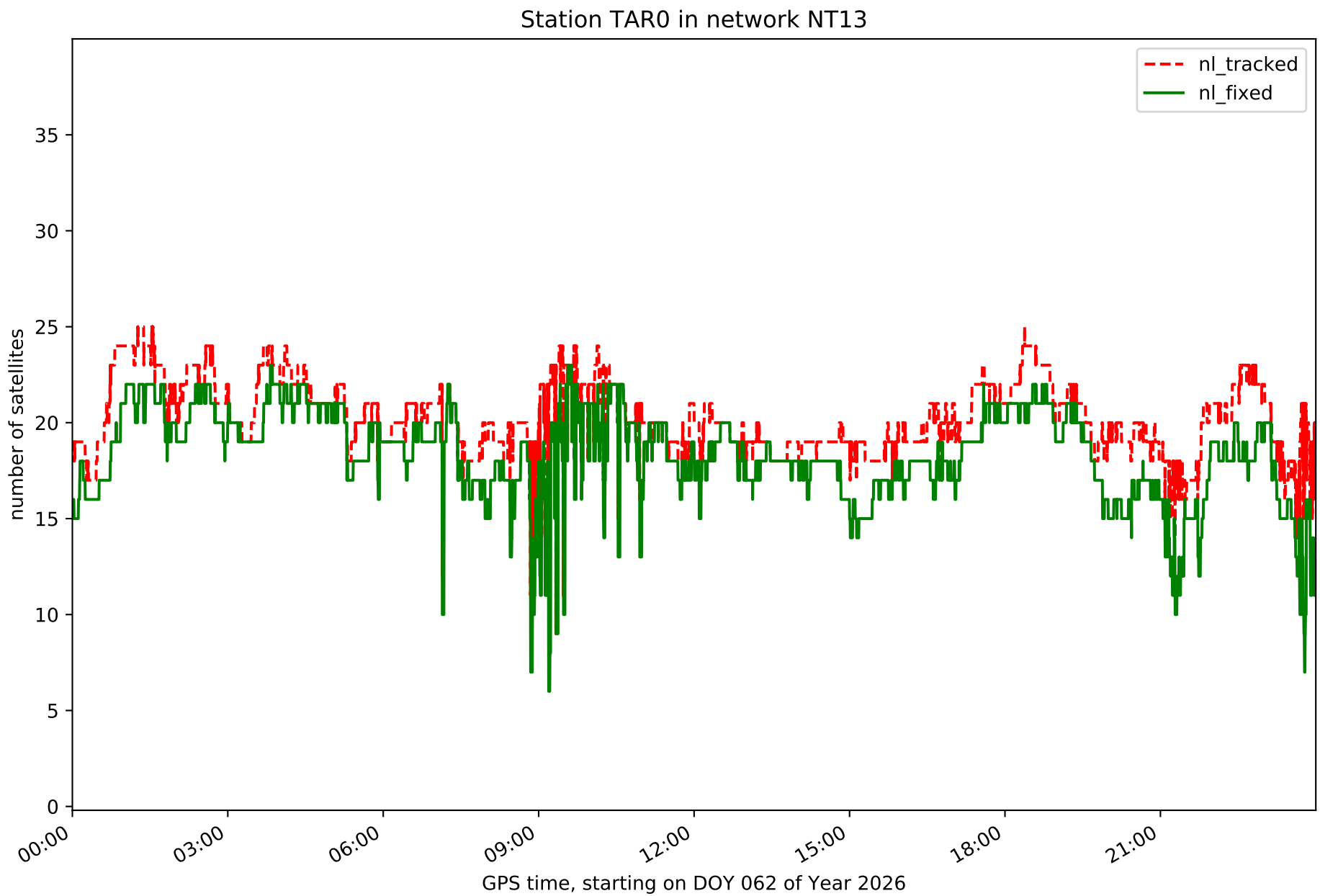

Station MALA in network NT13
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 062 of Year 2026

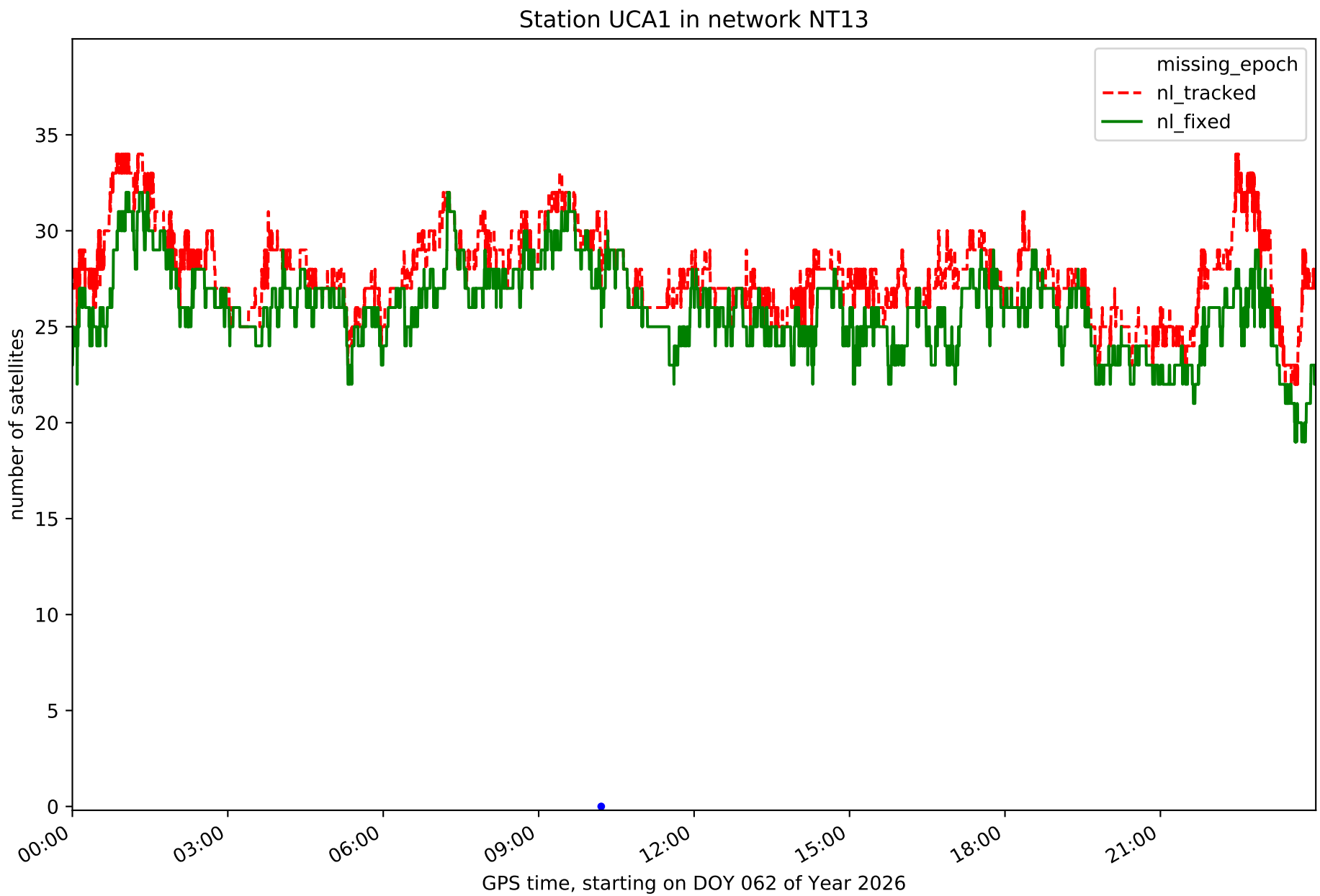

Station MOFR in network NT13
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 062 of Year 2026

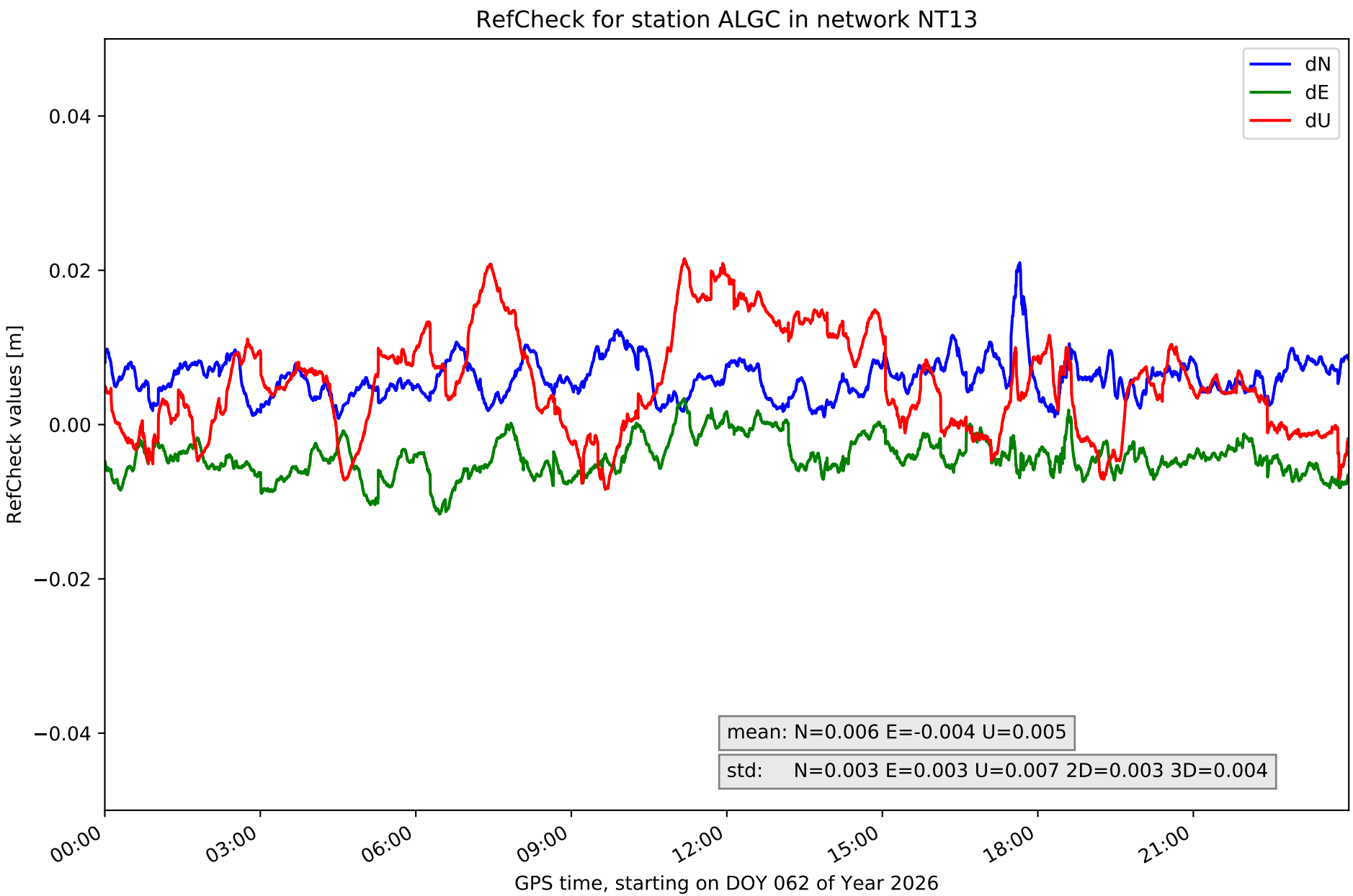

Station OSUN in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 062 of Year 2026

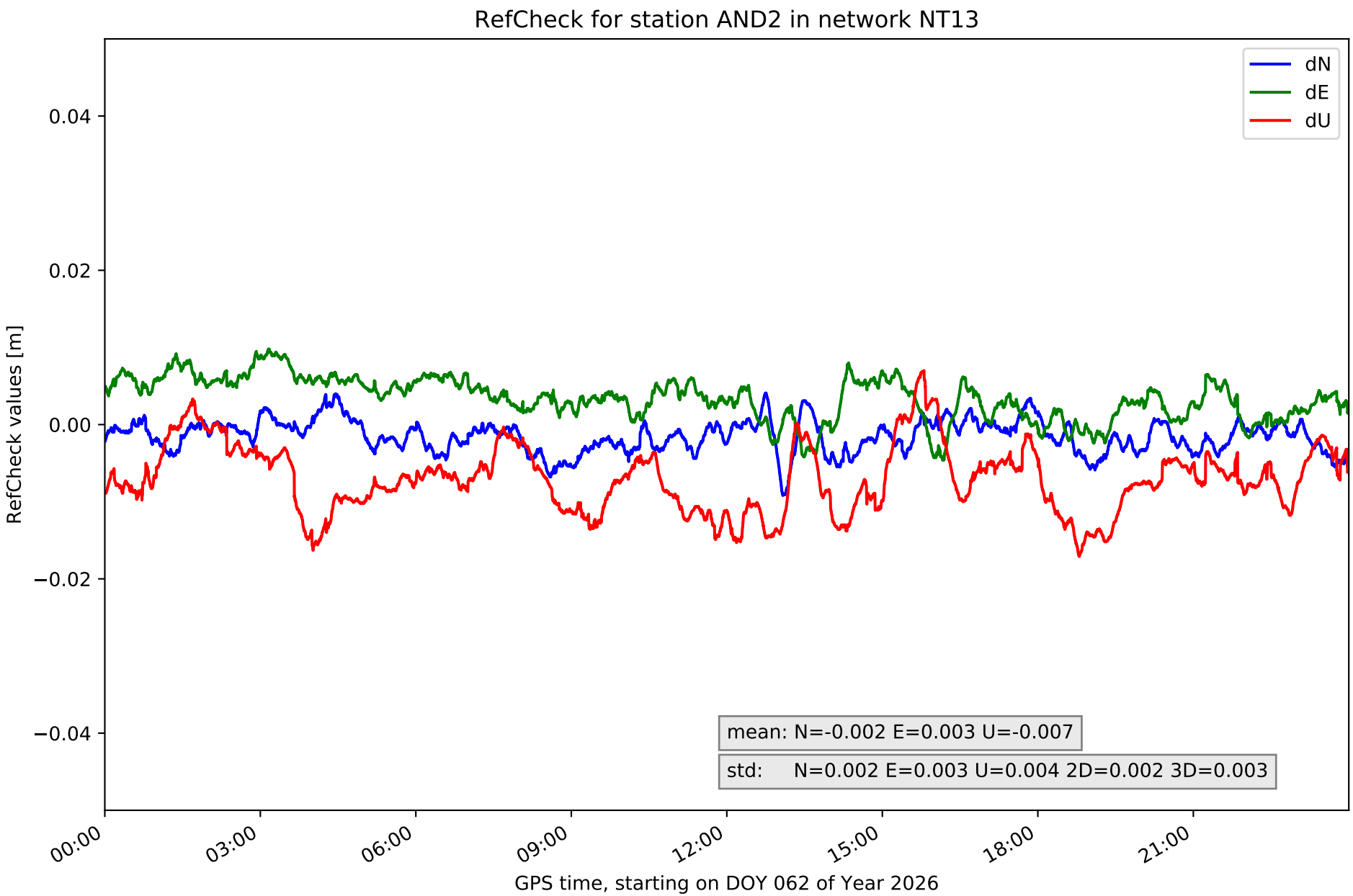

Station RON1 in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 062 of Year 2026

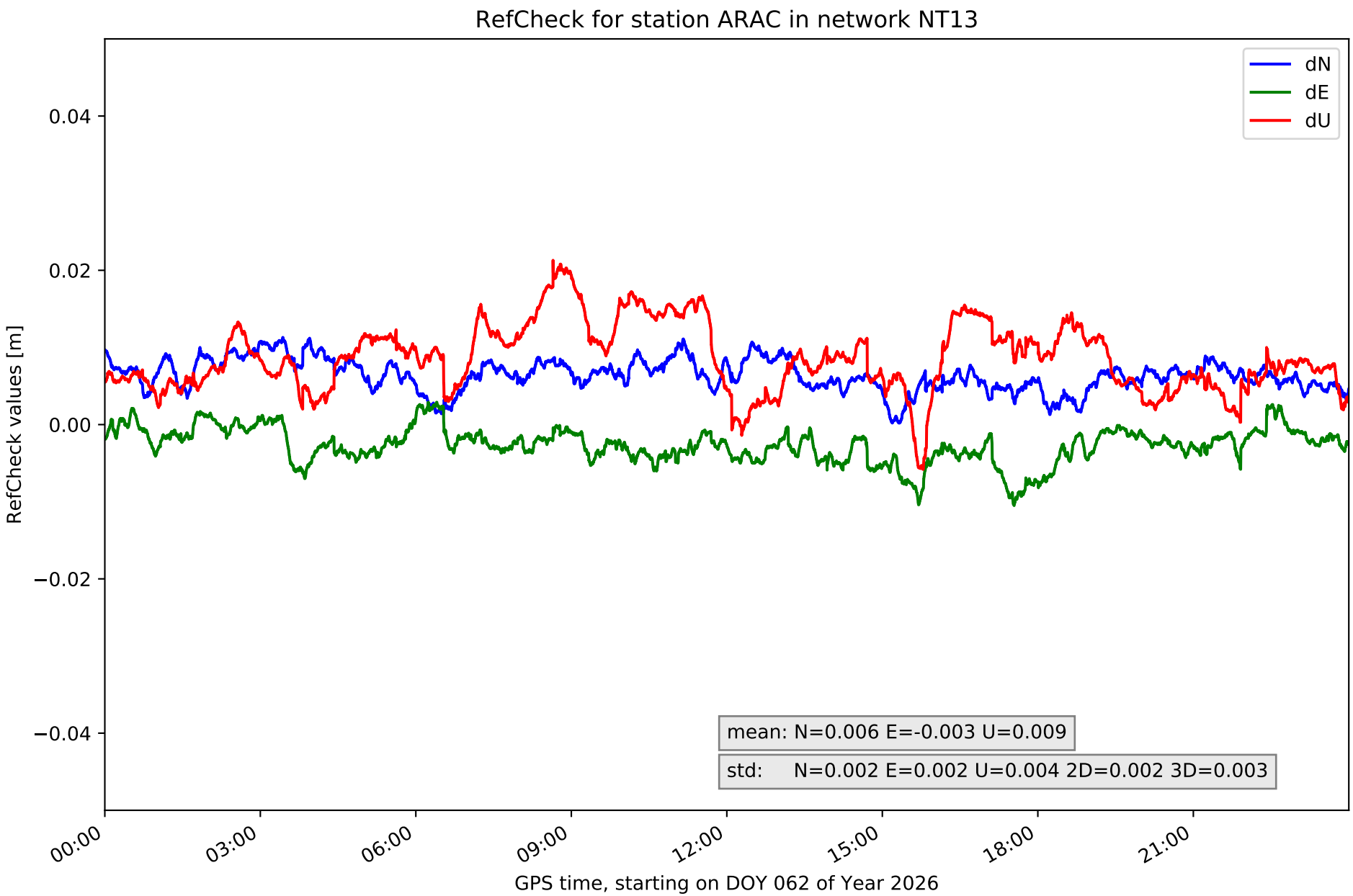

Station SEV1 in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 062 of Year 2026

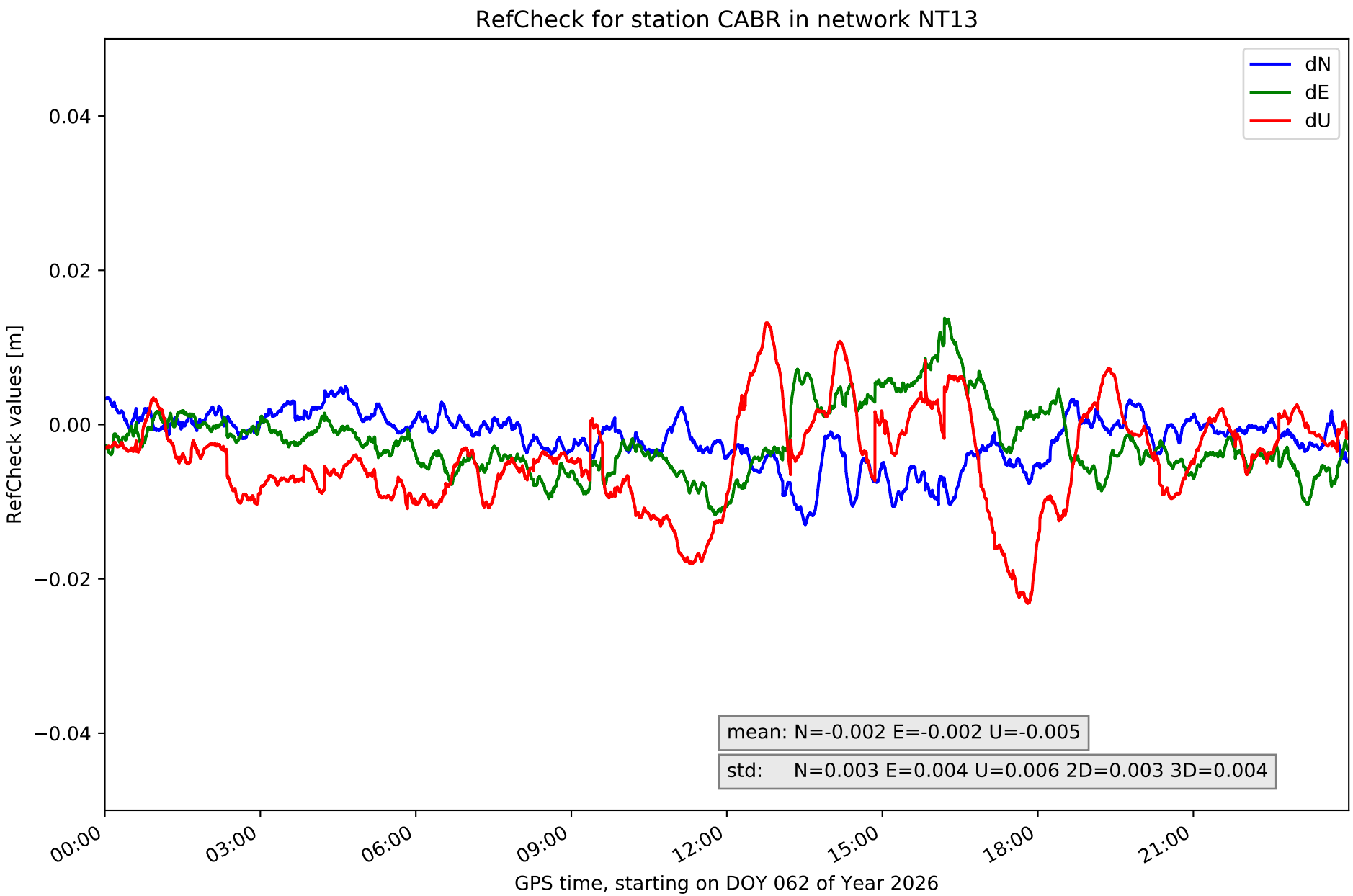

Station TAR0 in network NT13
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 062 of Year 2026

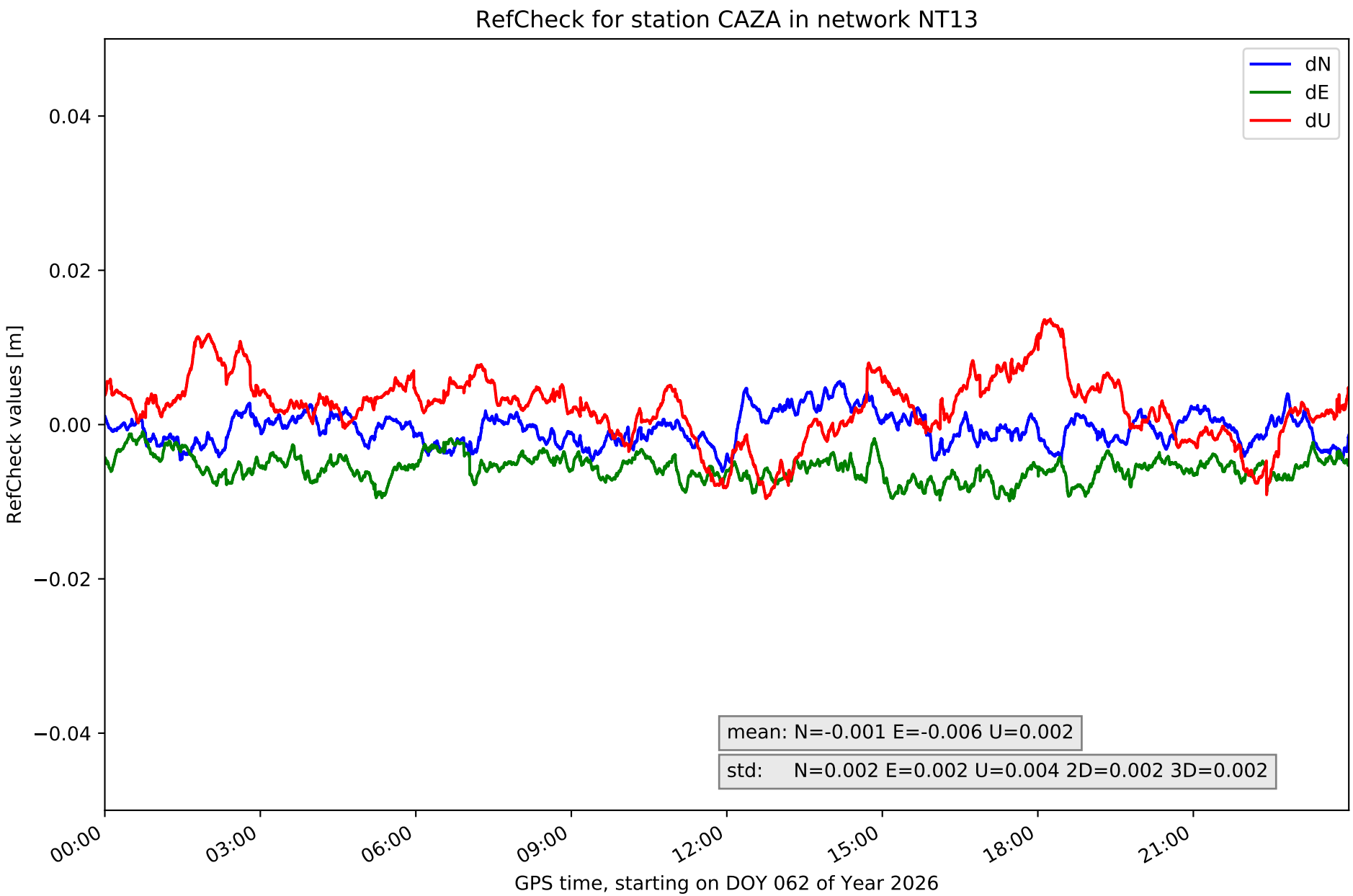

Station UCA1 in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 062 of Year 2026

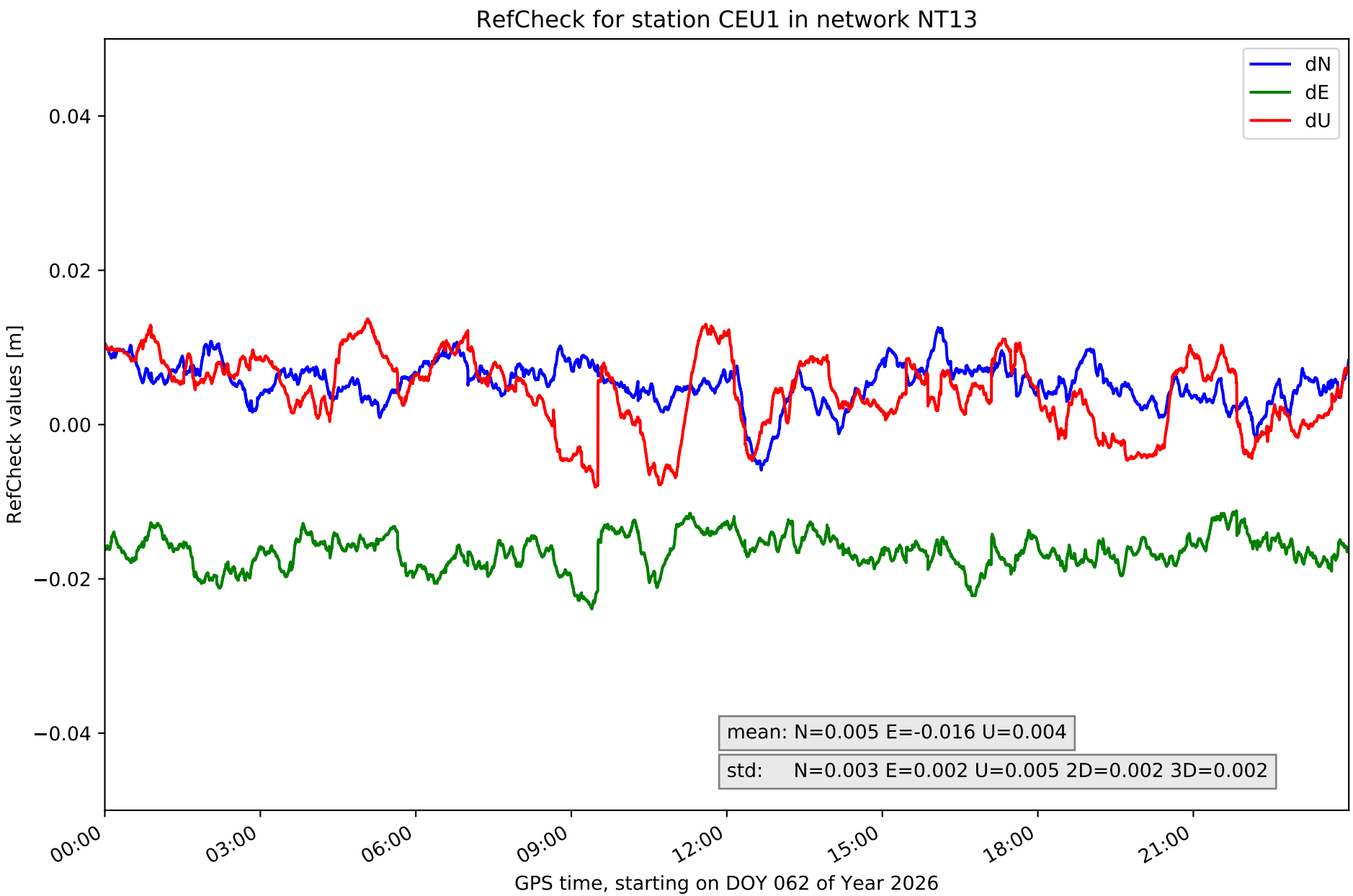

RefCheck for station ALGC in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.006 E=-0.004 U=0.005
std: N=0.003 E=0.003 U=0.007 2D=0.003 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 062 of Year 2026

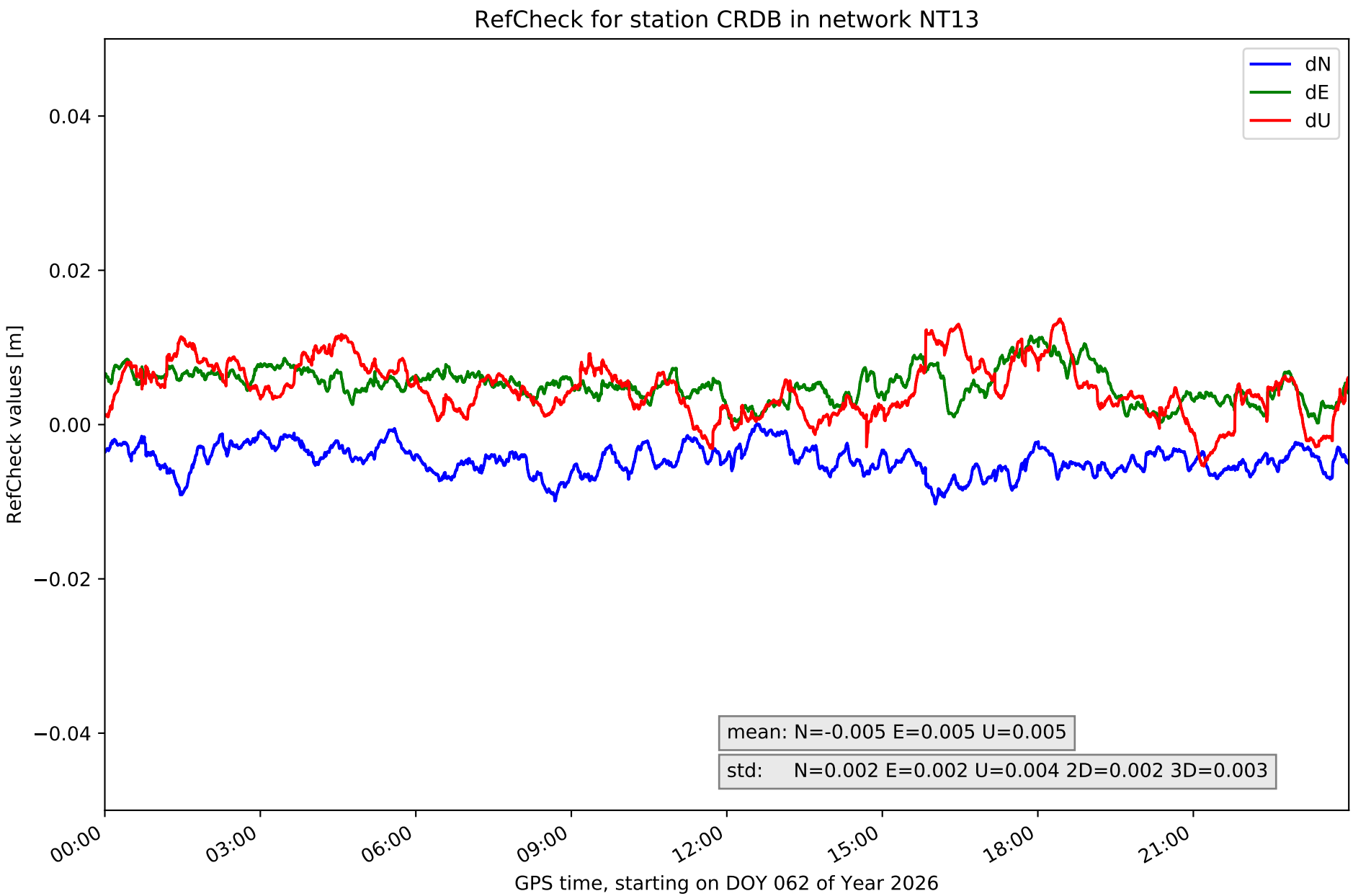

RefCheck for station AND2 in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.002 E=0.003 U=-0.007
std: N=0.002 E=0.003 U=0.004 2D=0.002 3D=0.003
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 062 of Year 2026

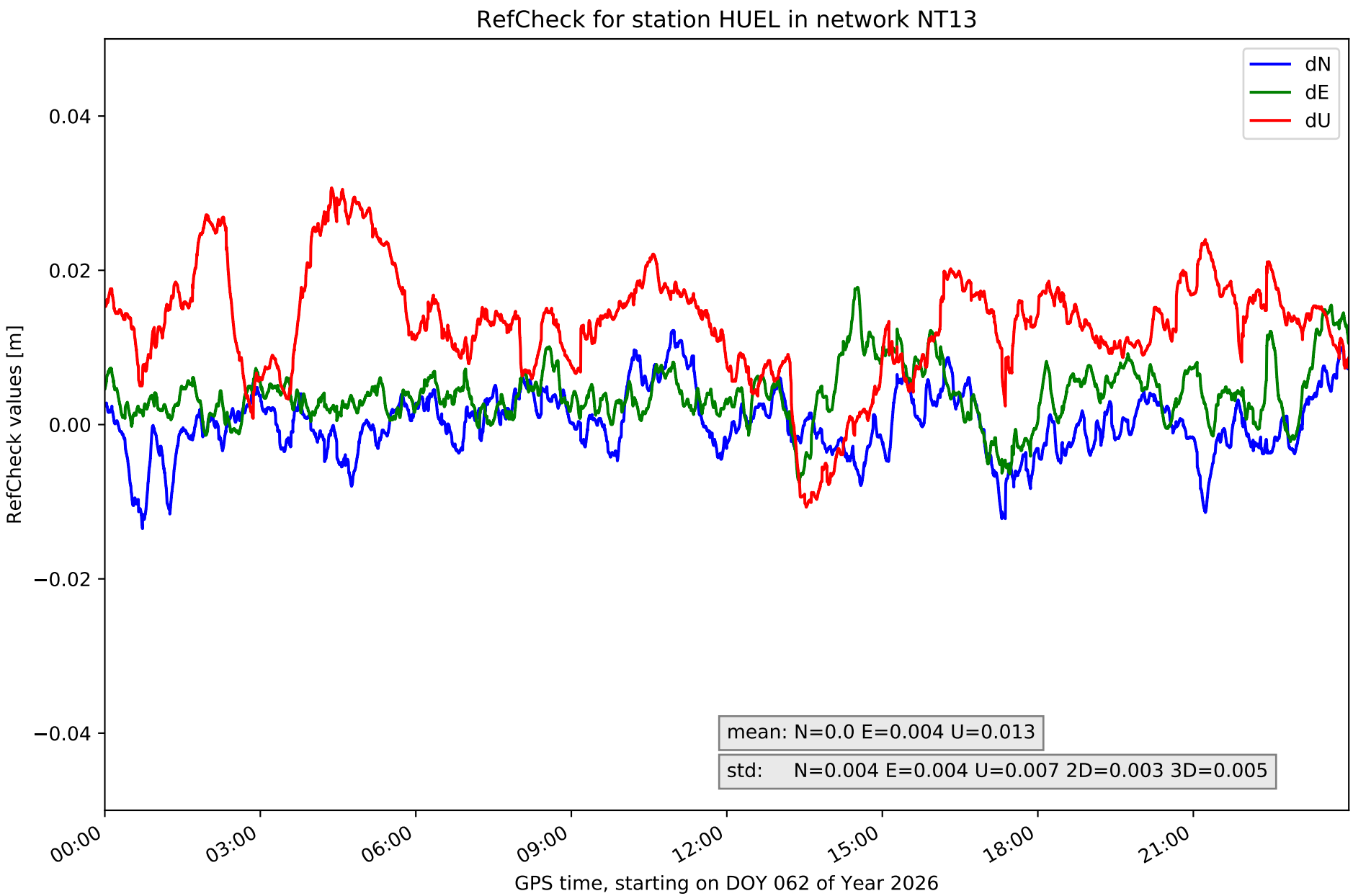

RefCheck for station ARAC in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.006 E=-0.003 U=0.009
std: N=0.002 E=0.002 U=0.004 2D=0.002 3D=0.003
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 062 of Year 2026

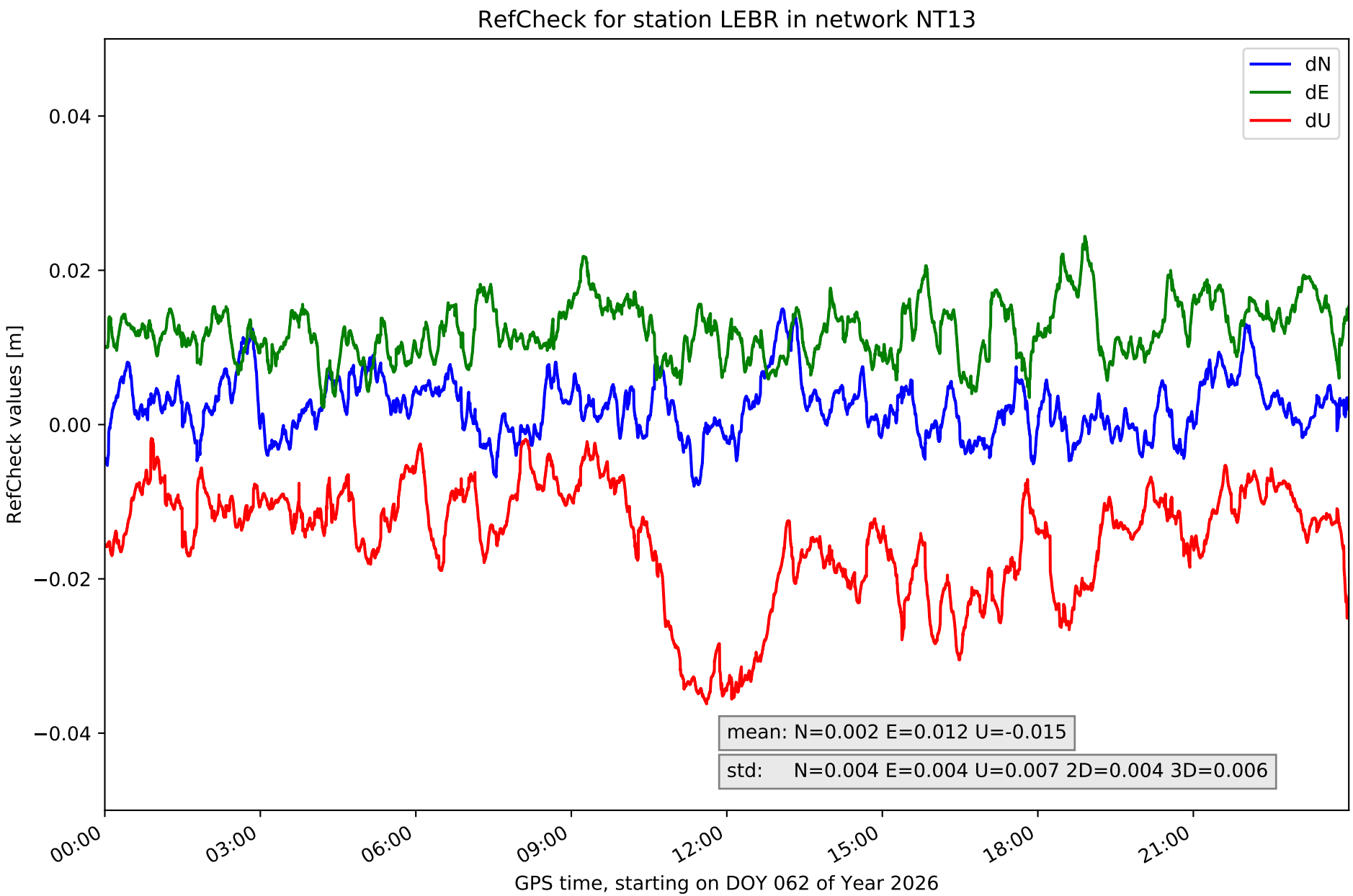

RefCheck for station CABR in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.002 E=-0.002 U=-0.005
std: N=0.003 E=0.004 U=0.006 2D=0.003 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 062 of Year 2026

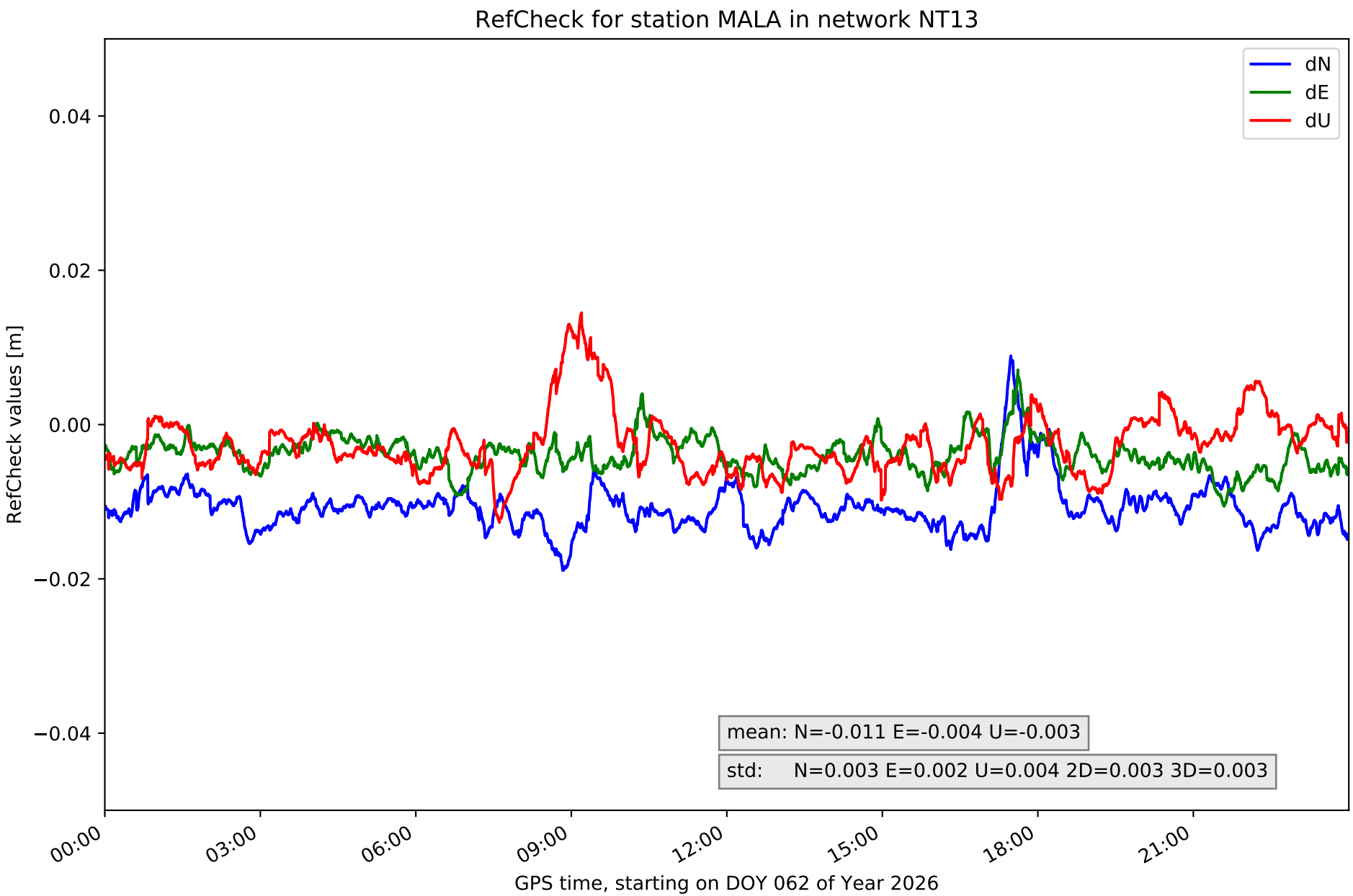

RefCheck for station CAZA in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.001 E=-0.006 U=0.002
std: N=0.002 E=0.002 U=0.004 2D=0.002 3D=0.002
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 062 of Year 2026

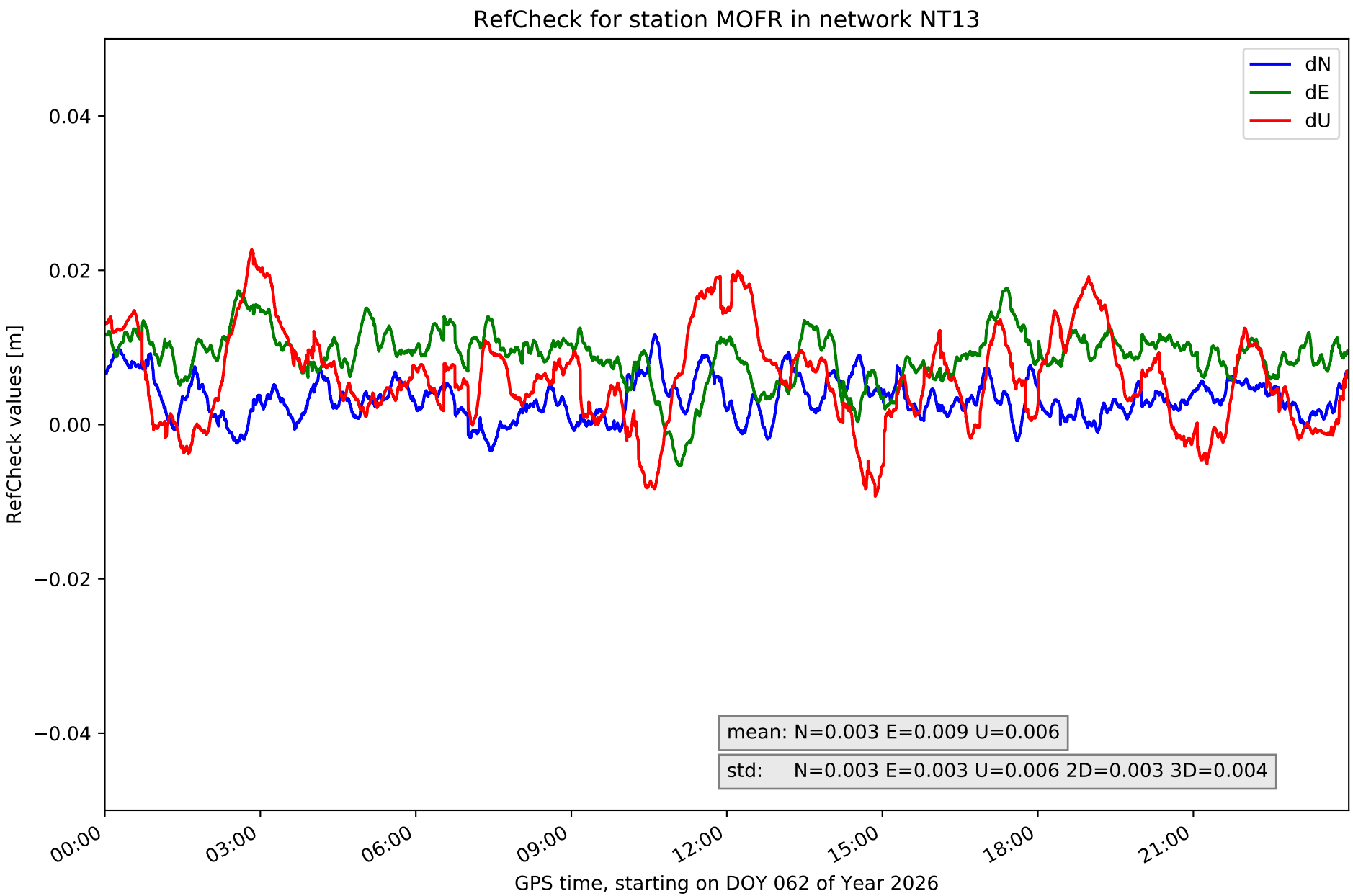

RefCheck for station CEU1 in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.005 E=-0.016 U=0.004
std: N=0.003 E=0.002 U=0.005 2D=0.002 3D=0.002
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 062 of Year 2026

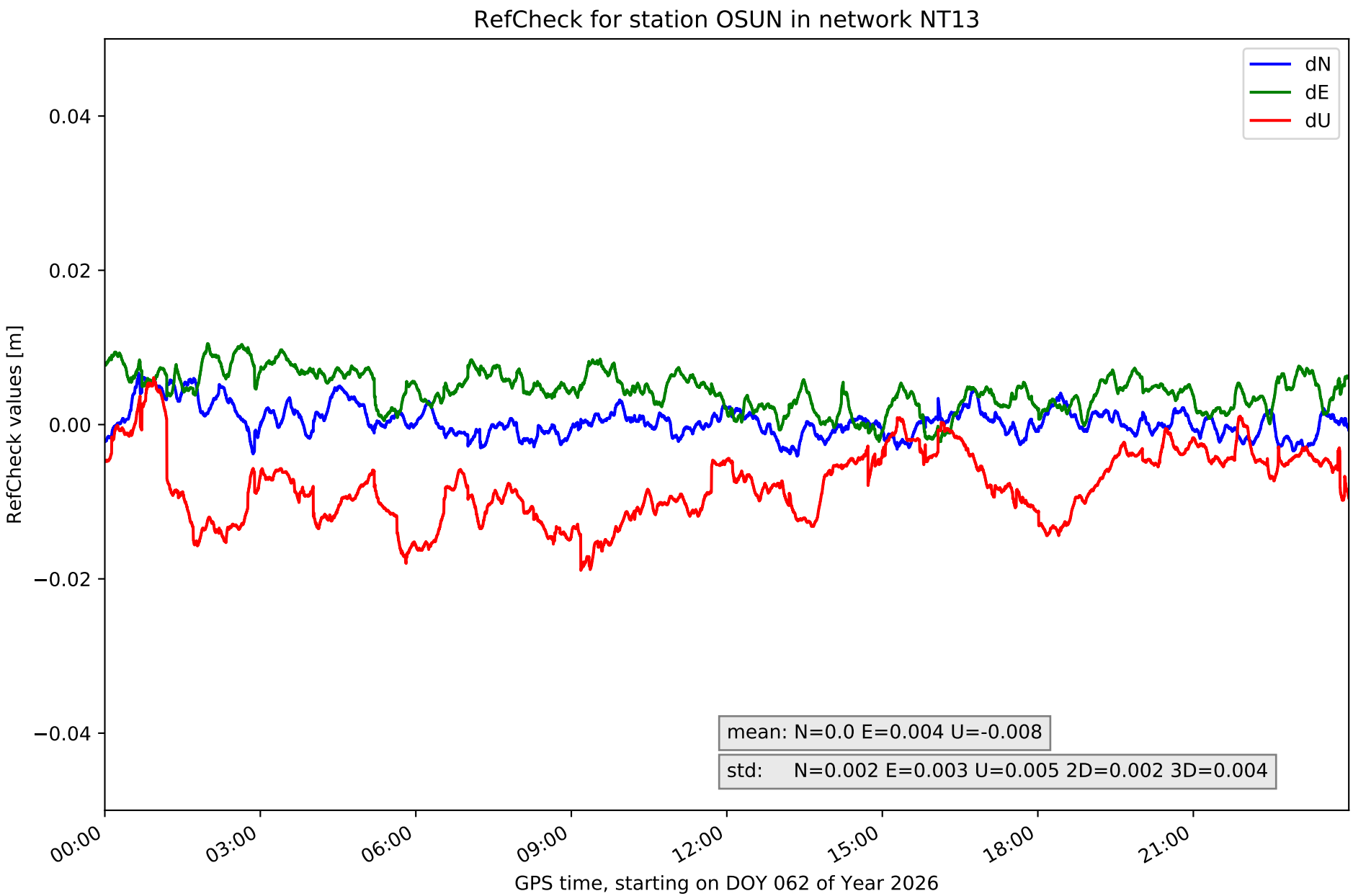

RefCheck for station CRDB in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.005 E=0.005 U=0.005
std: N=0.002 E=0.002 U=0.004 2D=0.002 3D=0.003
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 062 of Year 2026

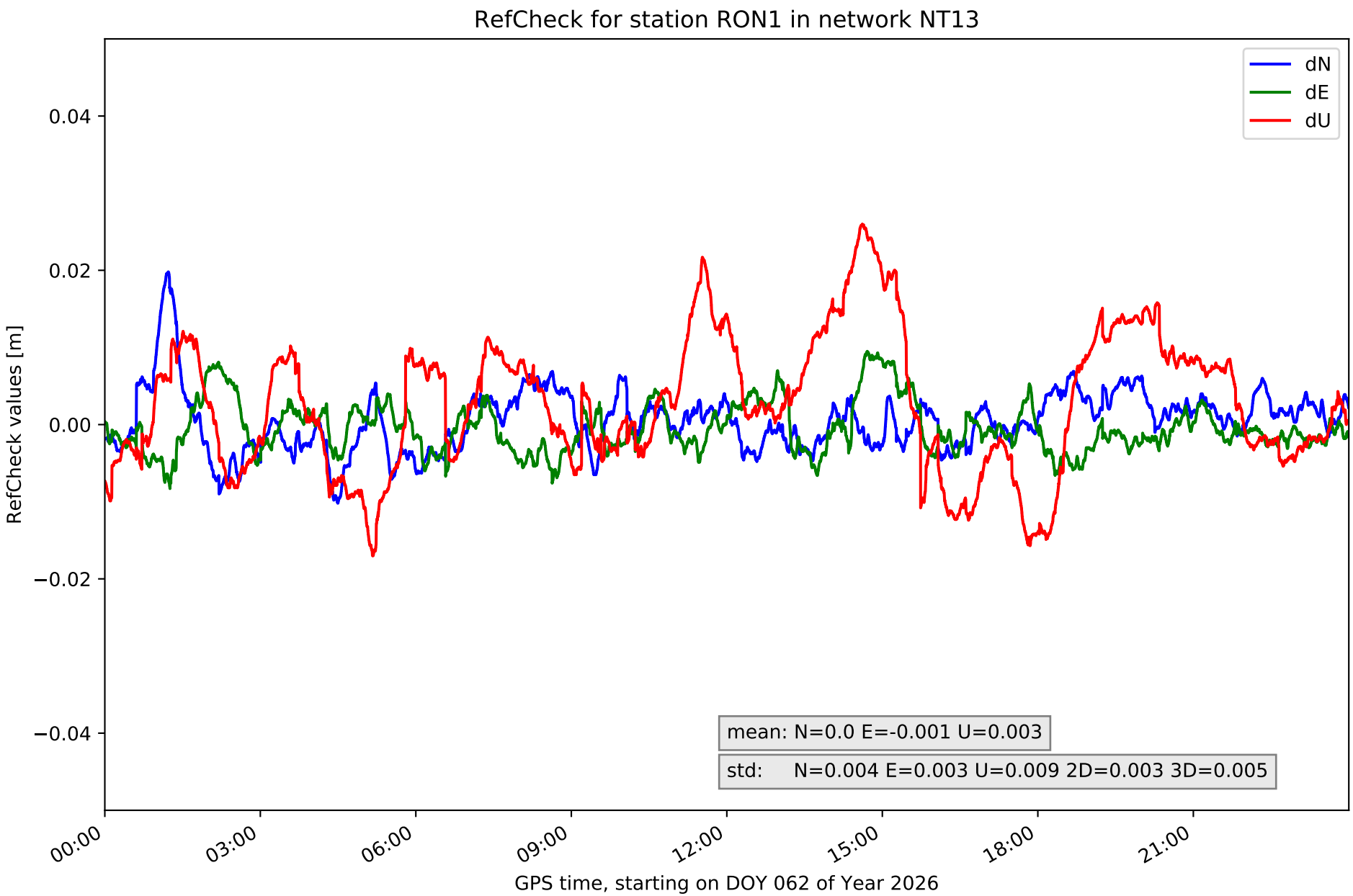

RefCheck for station HUEL in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.0 E=0.004 U=0.013
std: N=0.004 E=0.004 U=0.007 2D=0.003 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 062 of Year 2026

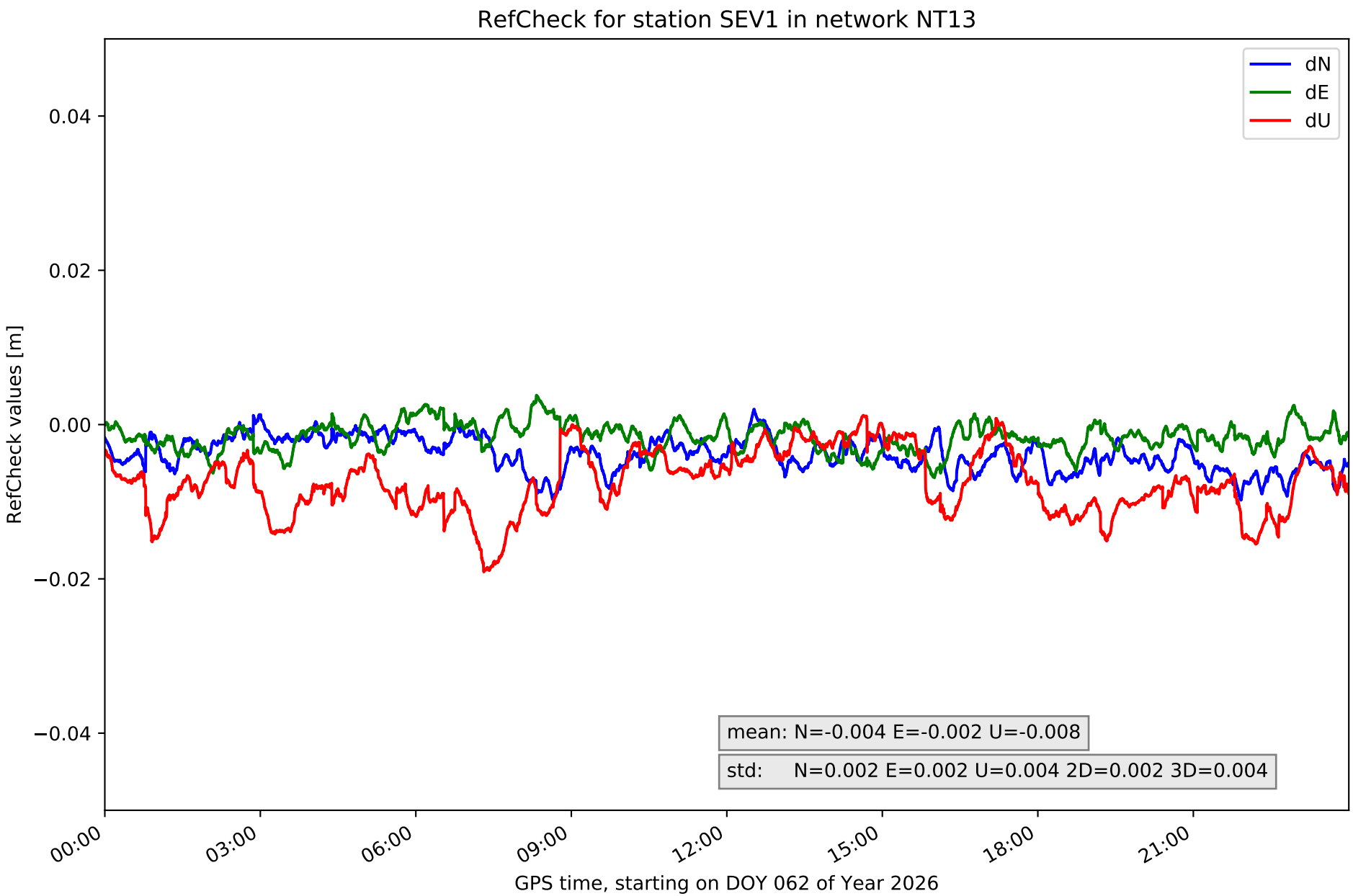

RefCheck for station LEBR in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=0.012 U=-0.015
std: N=0.004 E=0.004 U=0.007 2D=0.004 3D=0.006
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 062 of Year 2026

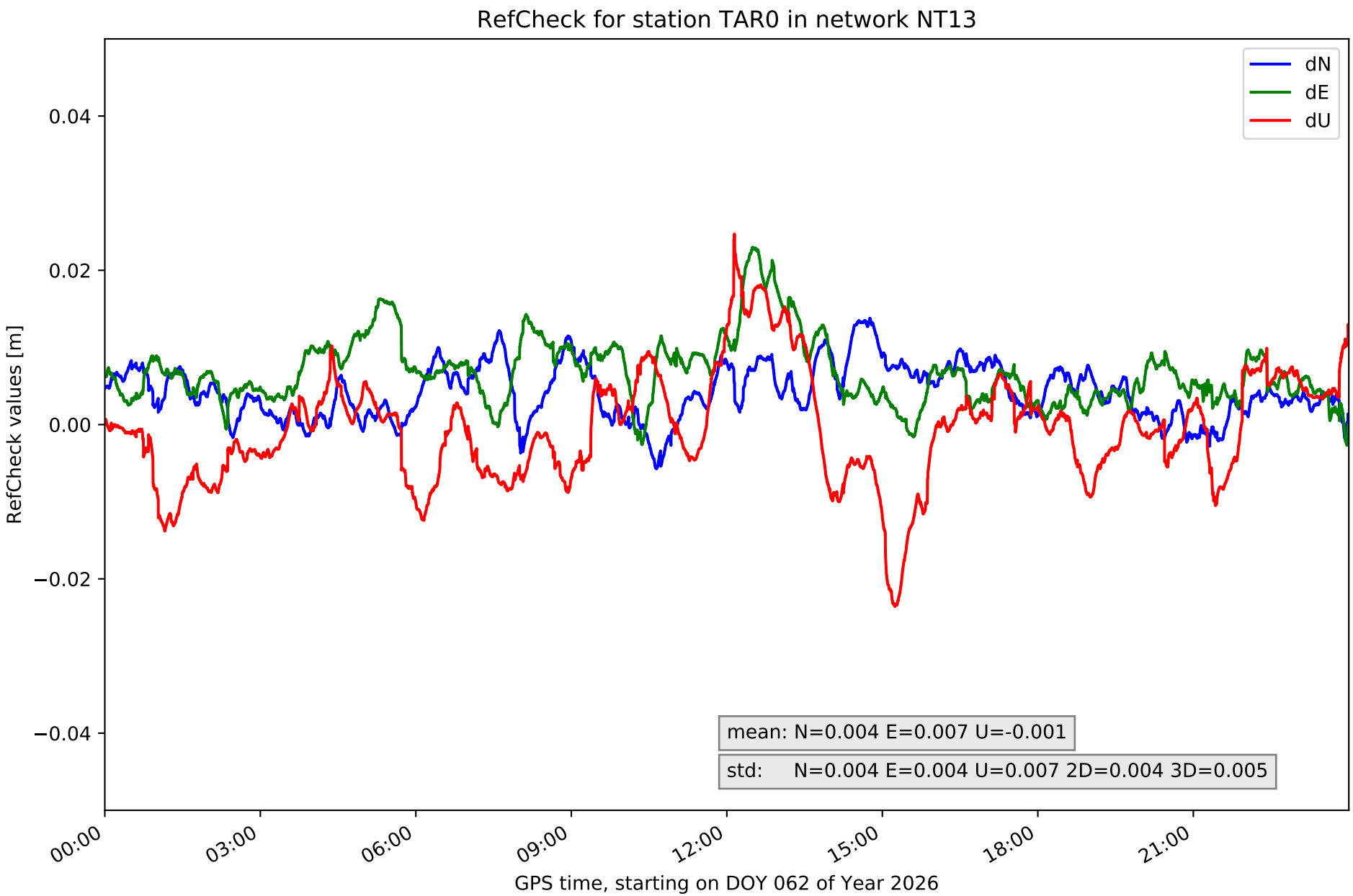

RefCheck for station MALA in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.011 E=-0.004 U=-0.003
std: N=0.003 E=0.002 U=0.004 2D=0.003 3D=0.003
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 062 of Year 2026

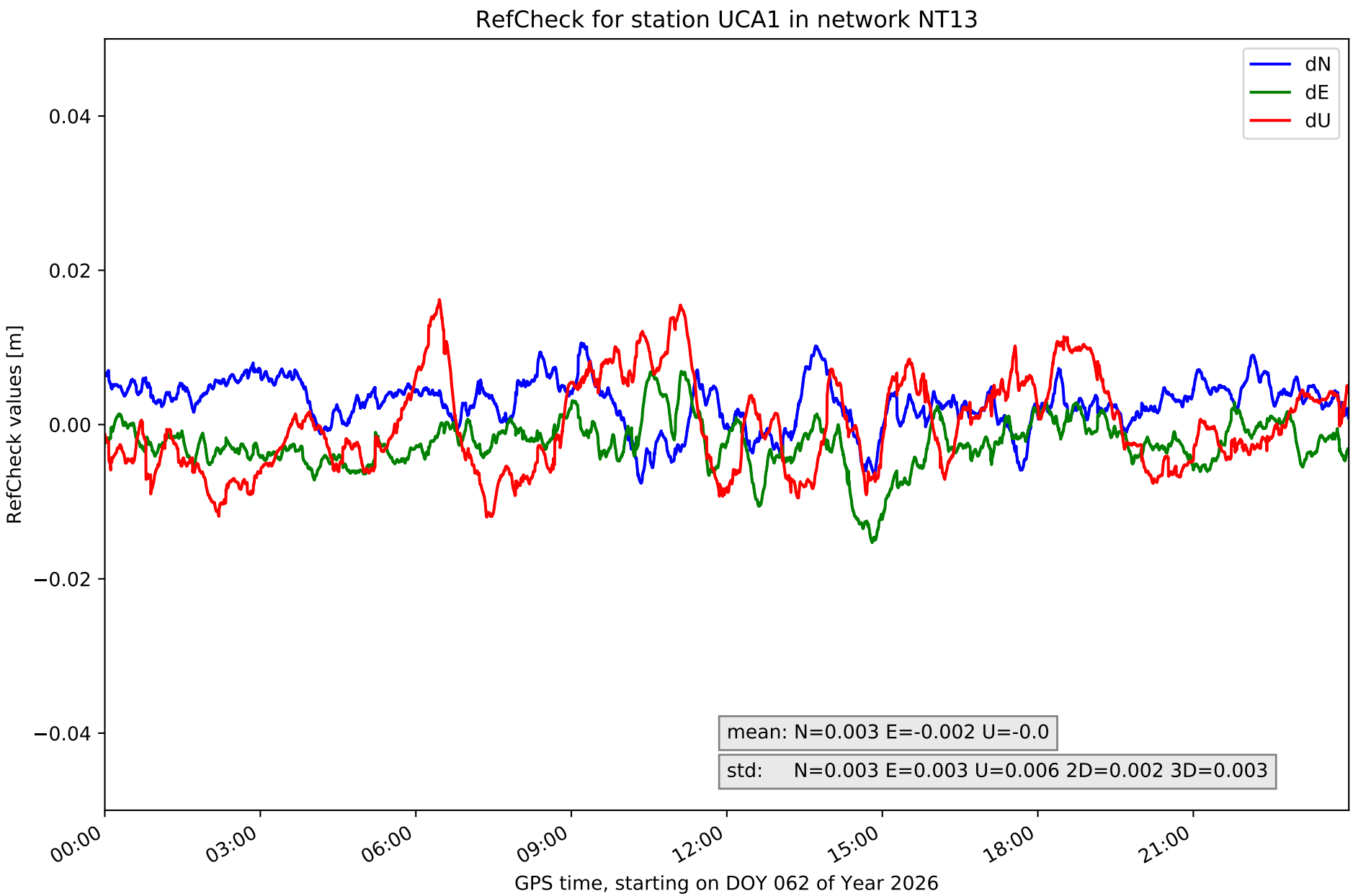

RefCheck for station MOFR in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.003 E=0.009 U=0.006
std: N=0.003 E=0.003 U=0.006 2D=0.003 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 062 of Year 2026


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=0.0 E=0.004 U=-0.008
std: N=0.002 E=0.003 U=0.005 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 062 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=0.0 E=-0.001 U=0.003
std: N=0.004 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 062 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=-0.002 U=-0.008
std: N=0.002 E=0.002 U=0.004 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 062 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=0.004 E=0.007 U=-0.001
std: N=0.004 E=0.004 U=0.007 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 062 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=0.003 E=-0.002 U=-0.0
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 062 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	0.001	**0.021**	0.003	-0.012	0.003	0.003	-0.008	0.021	0.007	0.003	0.004	7554	17.5	1418	3.3
AND2	-0.009	0.004	0.002	-0.005	0.01	0.003	-0.017	0.007	0.004	0.002	0.003	0	0.0	0	0.0
ARAC	0.0	0.011	0.002	-0.011	0.003	0.002	-0.006	0.021	0.004	0.002	0.003	3201	7.4	693	1.6
CABR	-0.013	0.005	0.003	-0.012	0.014	**0.004**	-0.023	0.013	0.006	0.003	0.004	3995	9.2	863	2.0
CAZA	-0.006	0.006	0.002	-0.01	-0.001	0.002	-0.01	0.014	0.004	0.002	0.002	44	0.1	0	0.0
CEU1	-0.006	0.013	0.003	**-0.024**	-0.011	0.002	-0.008	0.014	0.005	0.002	0.002	**43208**	**100.0**	12339	28.6
CRDB	-0.01	0.0	0.002	0.0	0.011	0.002	-0.005	0.014	0.004	0.002	0.003	4492	10.4	0	0.0
HUEL	-0.013	0.012	**0.004**	-0.008	0.018	**0.004**	-0.011	**0.031**	0.007	0.003	0.005	5592	12.9	7809	18.1
LEBR	-0.008	0.015	**0.004**	0.002	**0.024**	**0.004**	**-0.036**	-0.002	0.007	**0.004**	**0.006**	34524	79.9	**18943**	**43.8**
MALA	**-0.019**	0.009	0.003	-0.011	0.007	0.002	-0.013	0.015	0.004	0.003	0.003	35813	82.9	362	0.8
MOFR	-0.003	0.012	0.003	-0.005	0.018	0.003	-0.009	0.023	0.006	0.003	0.004	22825	52.8	3157	7.3
OSUN	-0.004	0.007	0.002	-0.003	0.011	0.003	-0.019	0.006	0.005	0.002	0.004	320	0.7	37	0.1
RON1	-0.01	0.02	**0.004**	-0.008	0.009	0.003	-0.017	0.026	**0.009**	0.003	0.005	1332	3.1	2019	4.7
SEV1	-0.01	0.002	0.002	-0.007	0.004	0.002	-0.019	0.001	0.004	0.002	0.004	0	0.0	0	0.0
TAR0	-0.006	0.014	**0.004**	-0.003	0.023	**0.004**	-0.024	0.025	0.007	**0.004**	0.005	12842	29.7	2697	6.2
UCA1	-0.008	0.011	0.003	-0.015	0.007	0.003	-0.012	0.016	0.006	0.002	0.003	1573	3.6	0	0.0
Mean	**-0.008**	**0.01**	**0.003**	**-0.008**	**0.009**	**0.003**	**-0.015**	**0.015**	**0.006**	**0.003**	**0.004**	**11082.2**	**25.6**	**3146.1**	**7.3**
Min/Max	**-0.019**	**0.021**	**0.004**	**-0.024**	**0.024**	**0.004**	**-0.036**	**0.031**	**0.009**	**0.004**	**0.006**	**43208**	**100.0**	**18943**	**43.8**

fixing statistic for network NT13

fixing percentage of	all GNSS	G	R	E	C
using threshold 0.3	83.9	94.7	92.8	94.6	56.1
considering satellites with dual-frequency fixed	90.2	92.3	90.6	92.6	81.0
considering all signals separately	90.6	92.4	90.6	92.9	80.5