summary for network NT13

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

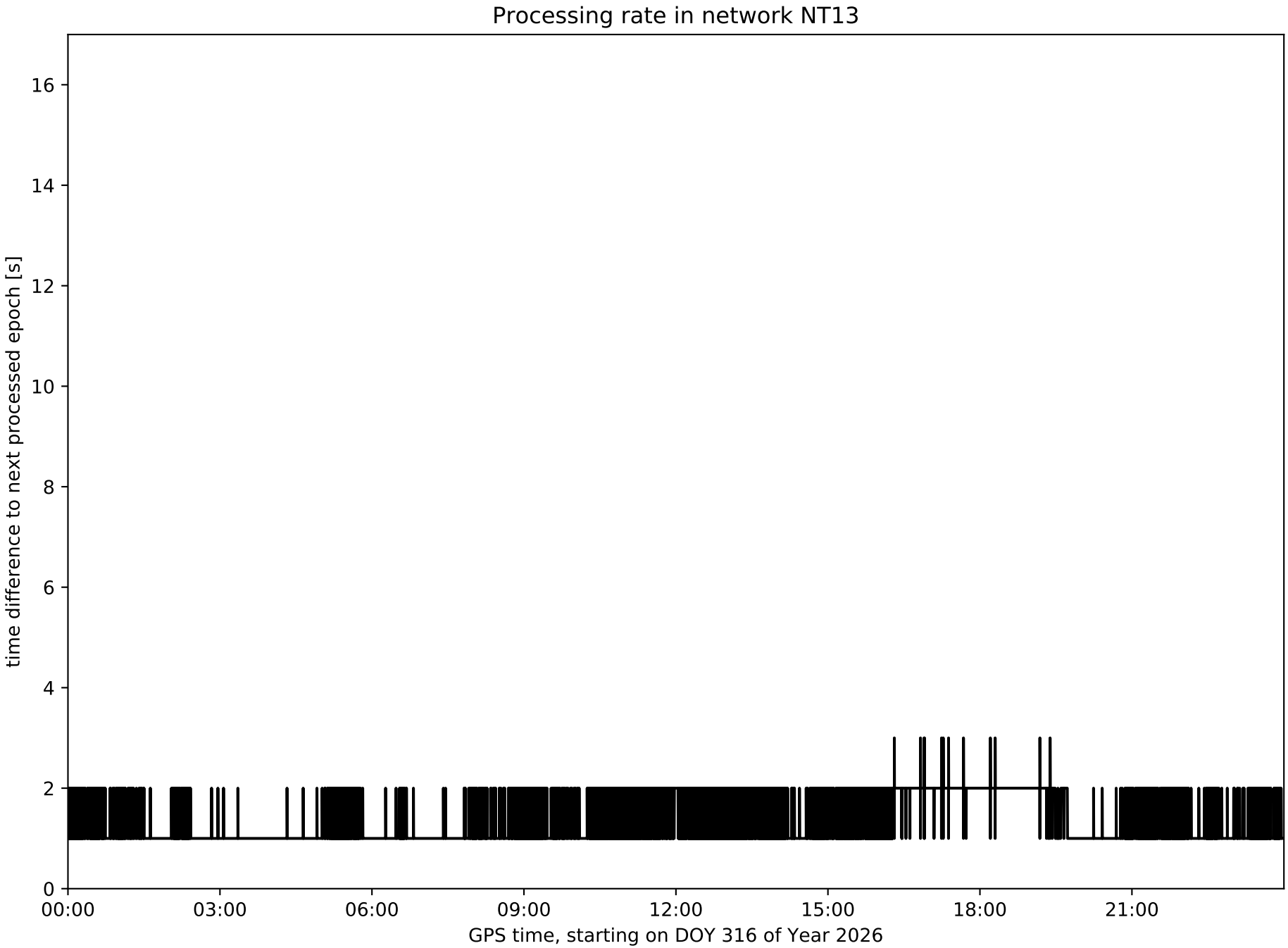
average update rate (durations larger than 15 seconds considered as observation gap): 1.1 seconds

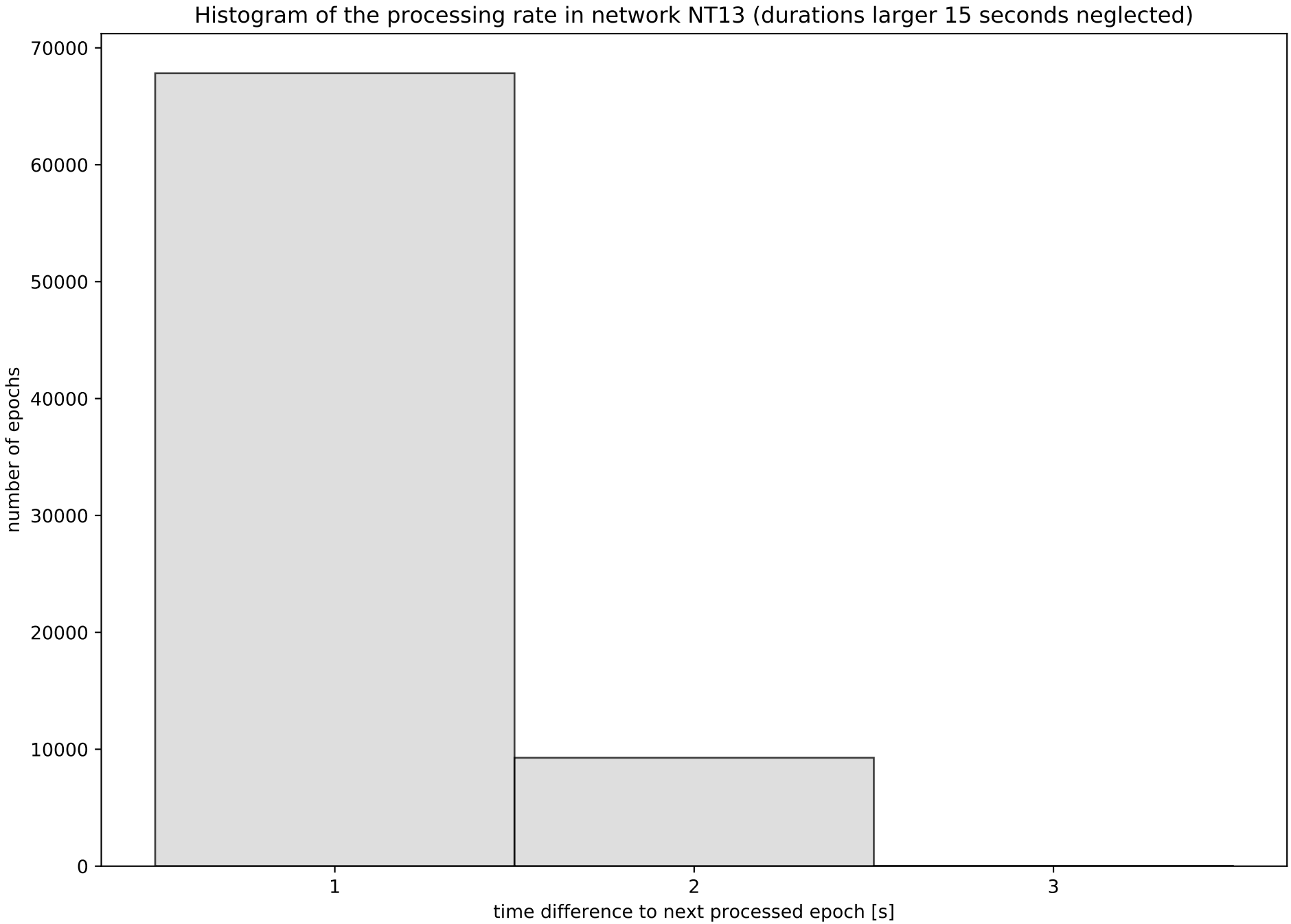
average fixing percentage with threshold set to 0.3: 87.4 percent

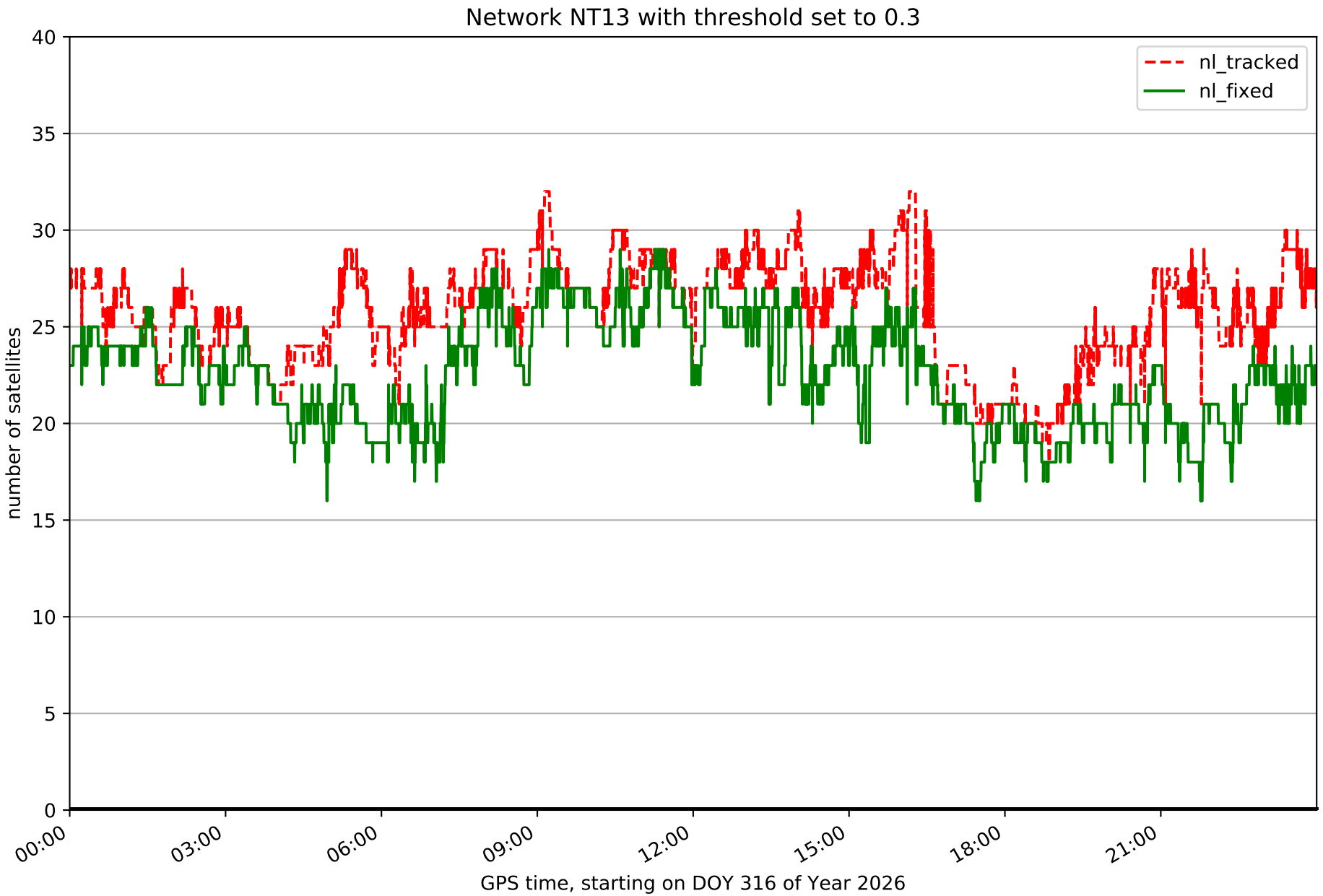
stations available: 17 of 17

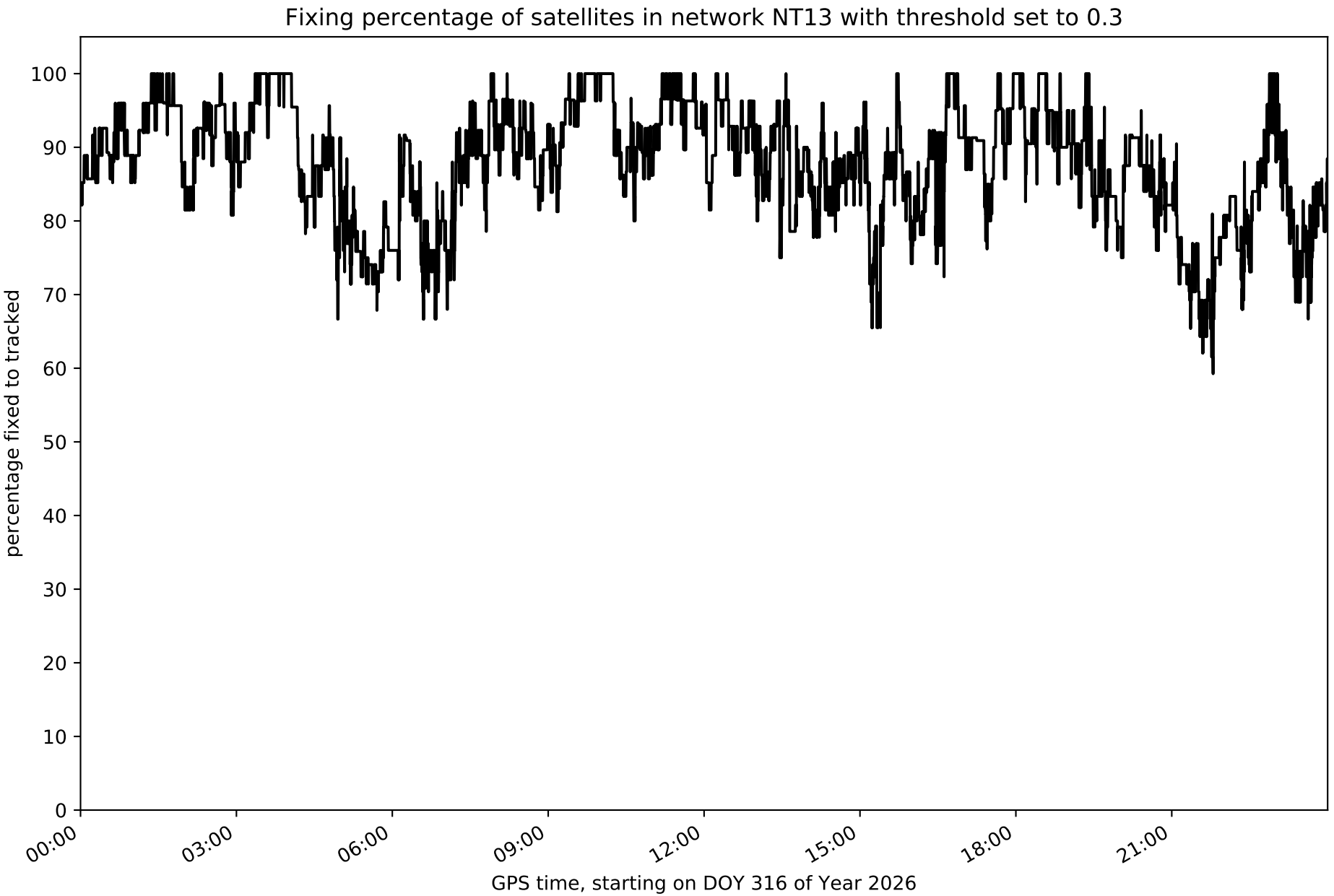
station information:

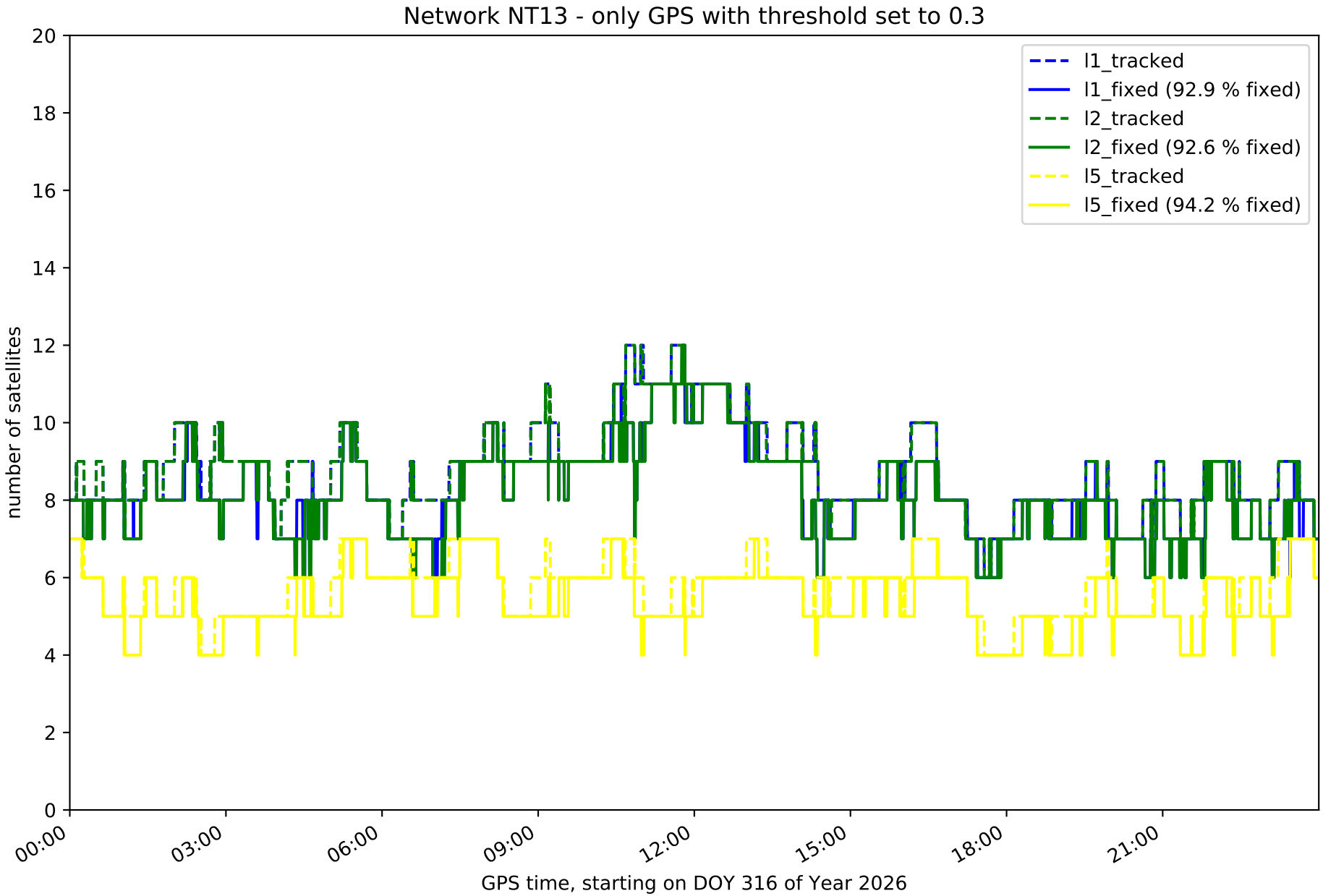
station ALGC:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 117.174
station AND2:	antenna: LEIAR20 LEIM	receiver: LEICA GR50	height: 284.271
station ARAC:	antenna: LEIAR20 LEIM	receiver: LEICA GR25	height: 725.109
station CABR:	antenna: LEIAT504_____LEIS	receiver: LEICA GR25	height: 572.14
station CAZA:	antenna: LEIAR20 LEIM	receiver: LEICA GR25	height: 663.118
station CEU1:	antenna: TRM59900.00 SCIS	receiver: TRIMBLE NETR9	height: 52.522
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

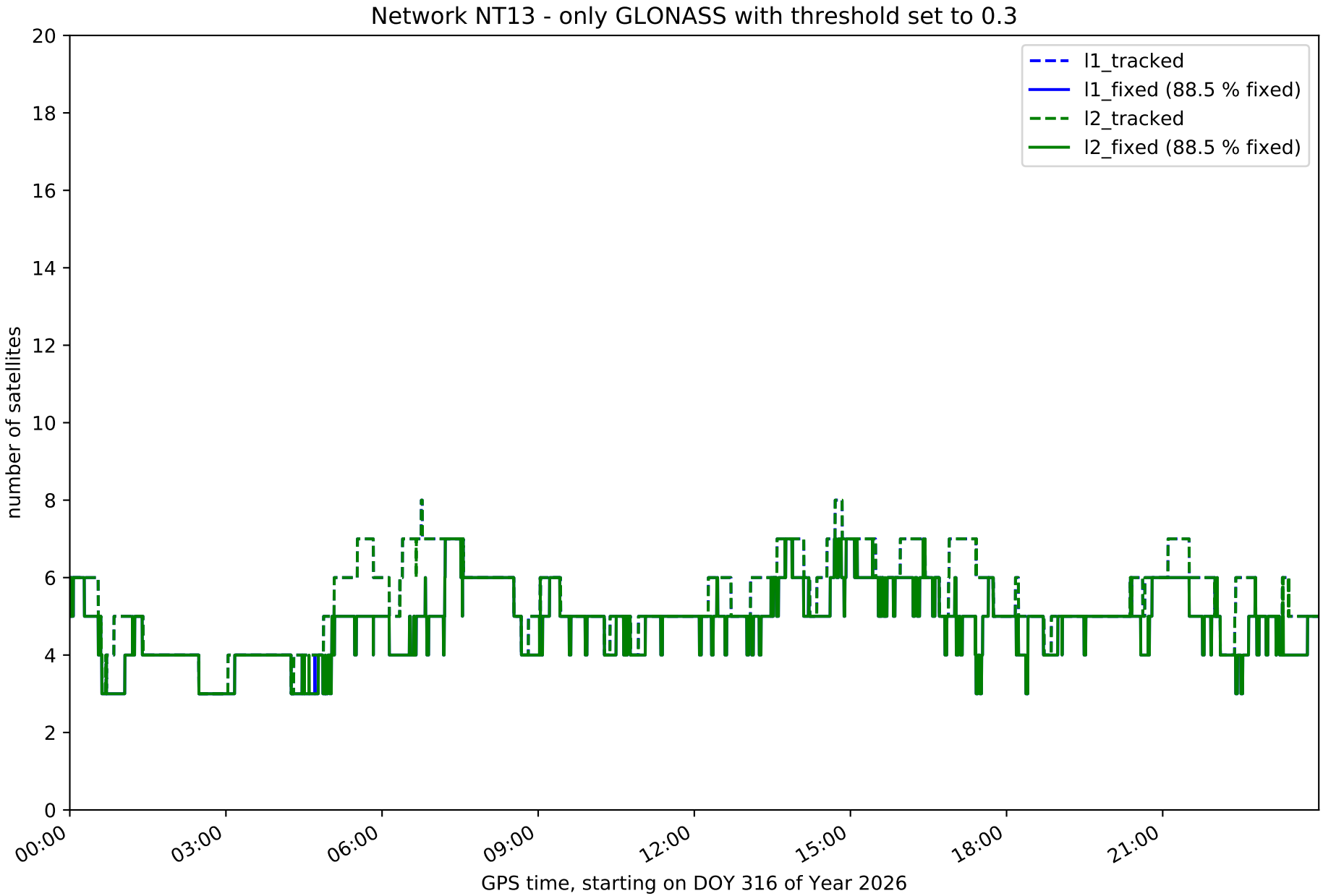

Processing rate in network NT13
time difference to next processed epoch [s]
0
2
4
6
8
10
12
14
16
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

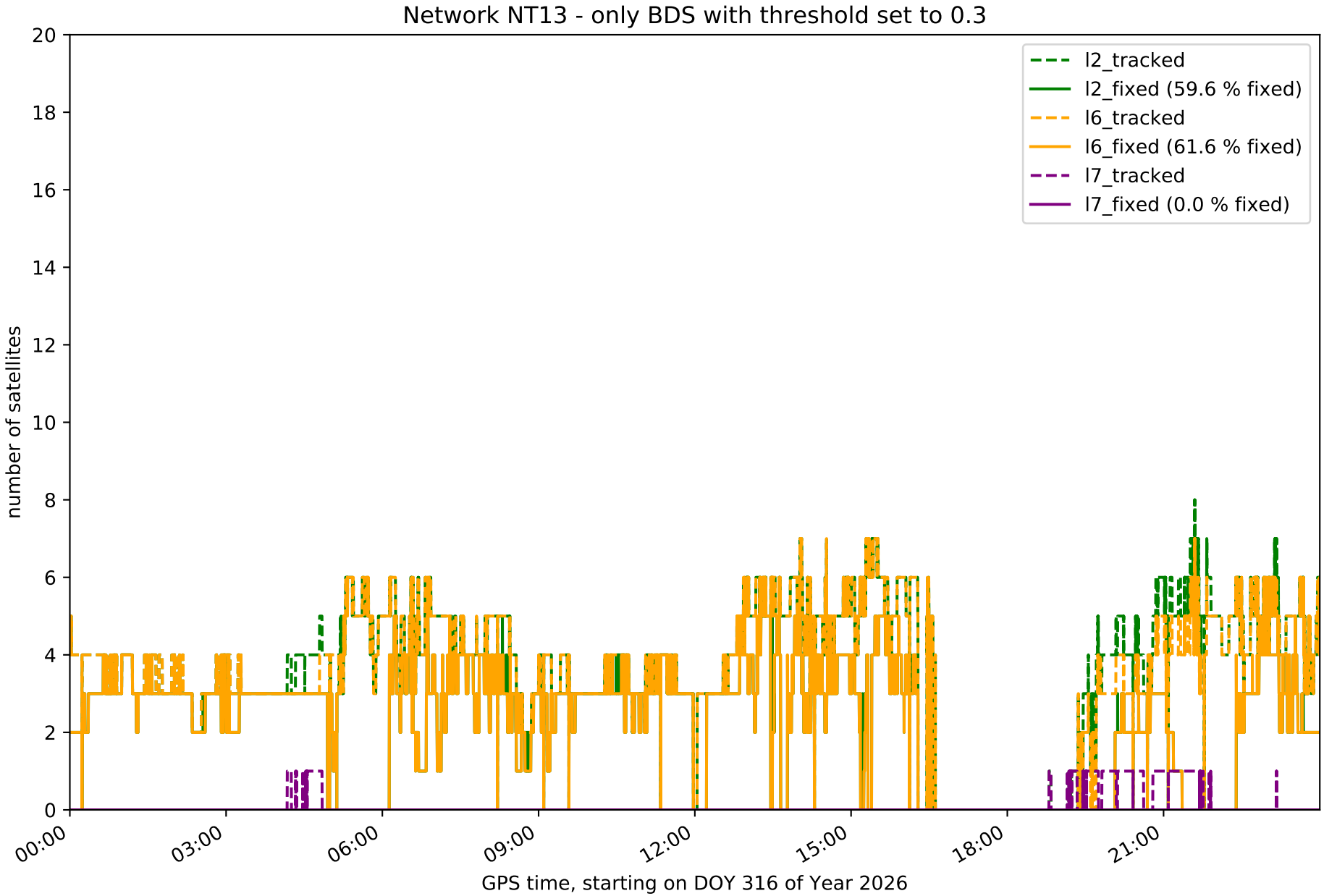

Histogram of the processing rate in network NT13 (durations larger 15 seconds neglected)
70000
60000
50000
40000
30000
20000
10000
0
number of epochs
1
2
3
time difference to next processed epoch [s]

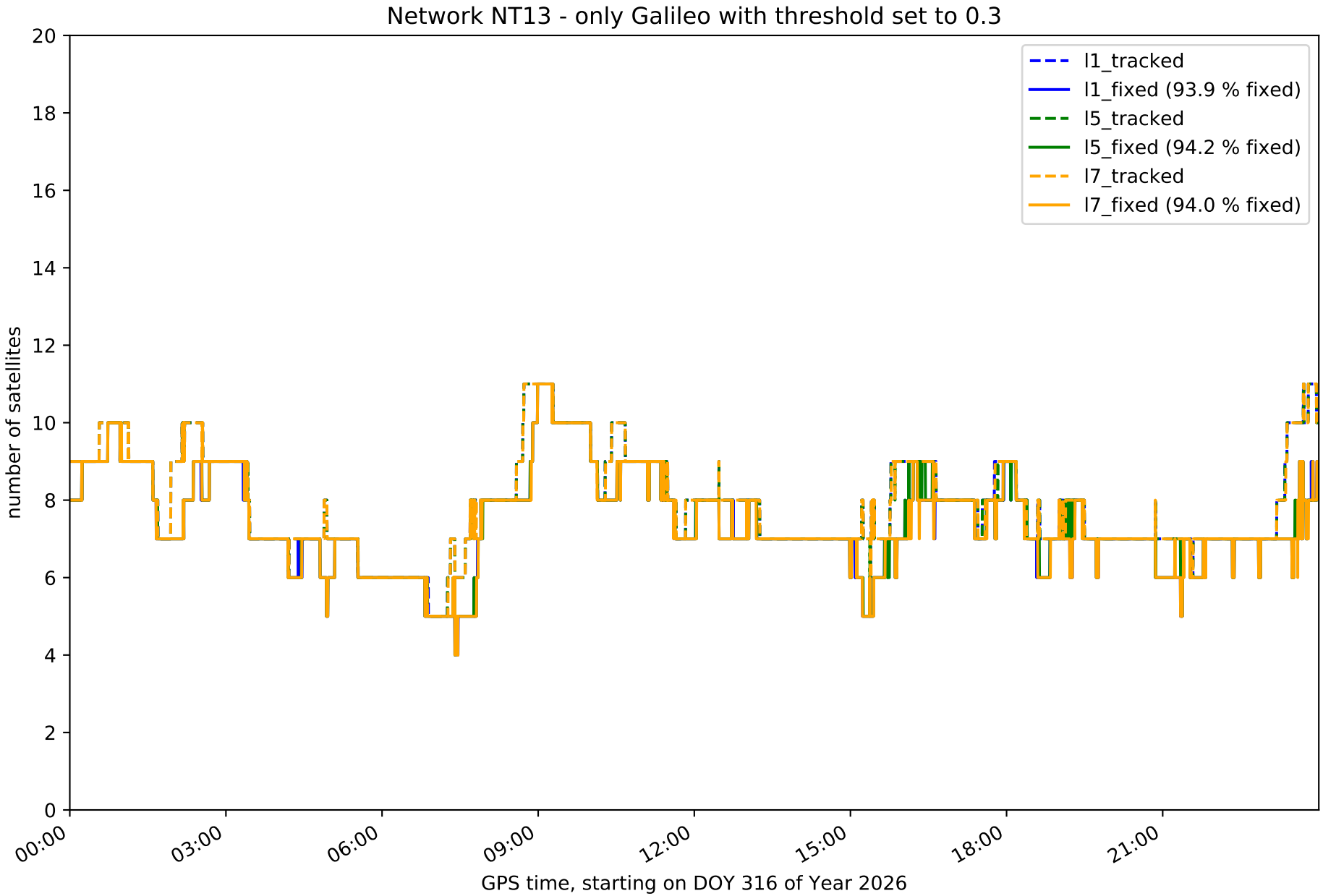

Network NT13 with threshold set to 0.3
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
40
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

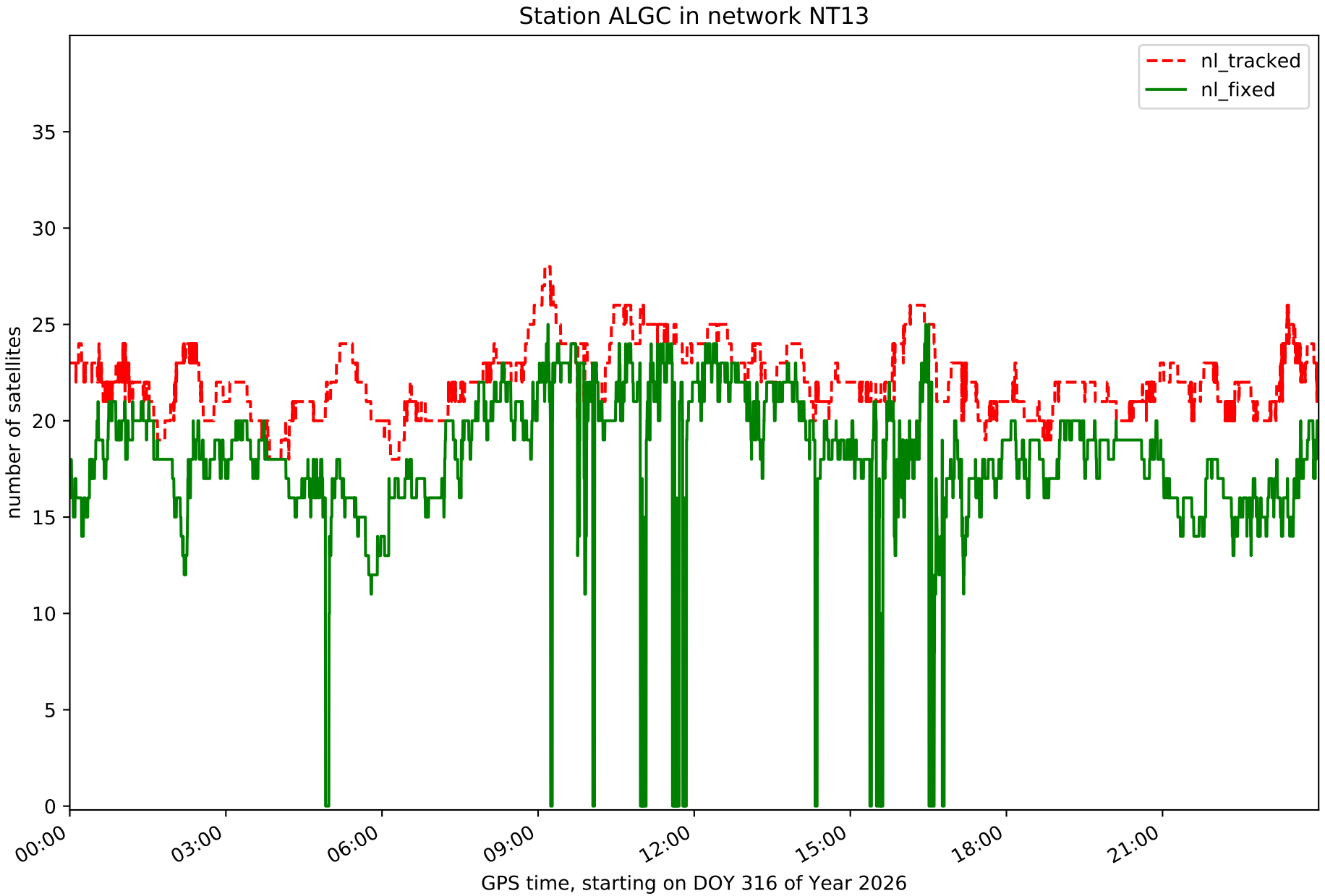

Fixing percentage of satellites in network NT13 with threshold set to 0.3
percentage fixed to tracked
100
90
80
70
60
50
40
30
20
10
0
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

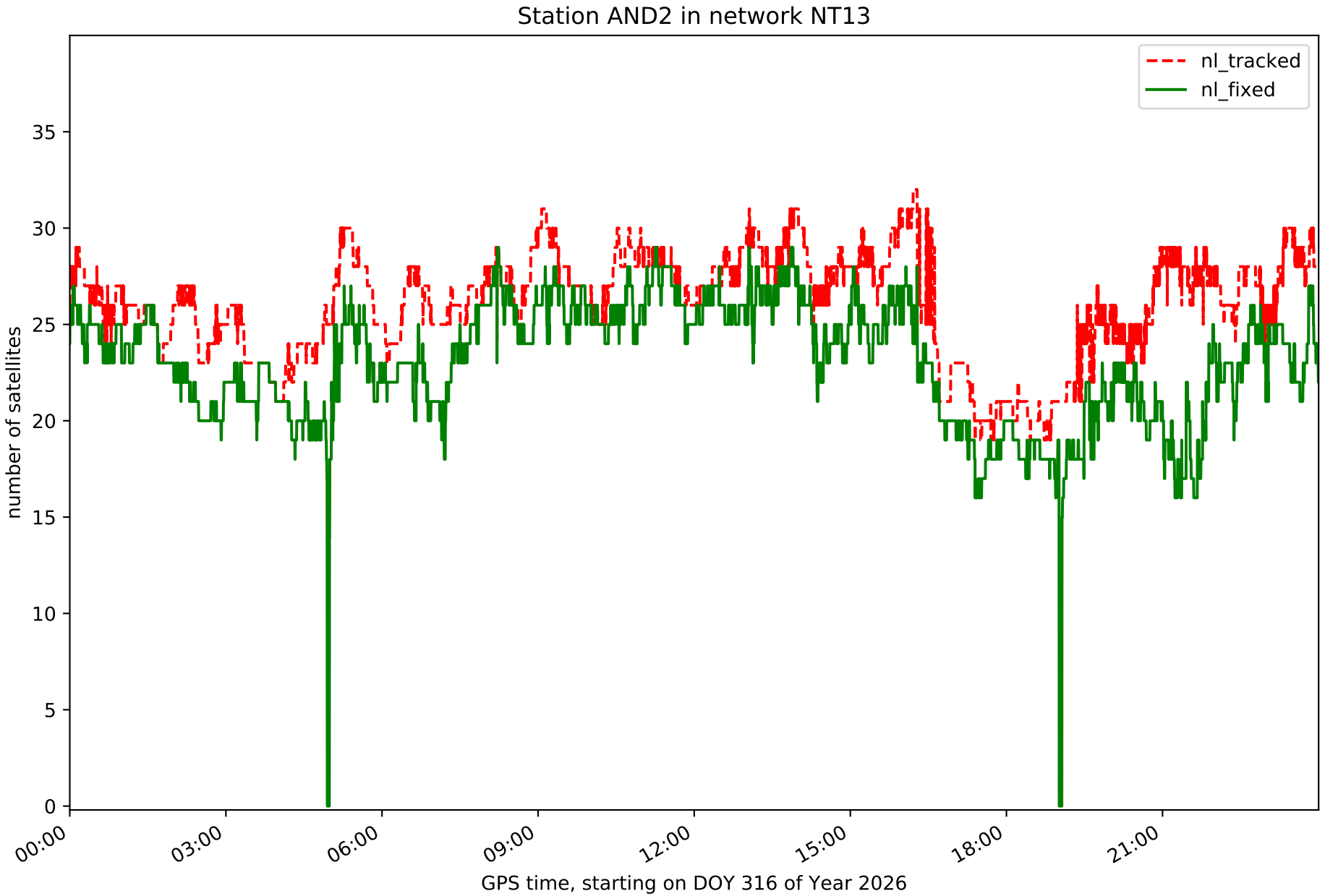

Network NT13 - only GPS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 316 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
l1_tracked
l1_fixed (92.9 % fixed)
l2_tracked
l2_fixed (92.6 % fixed)
l5_tracked
l5_fixed (94.2 % fixed)

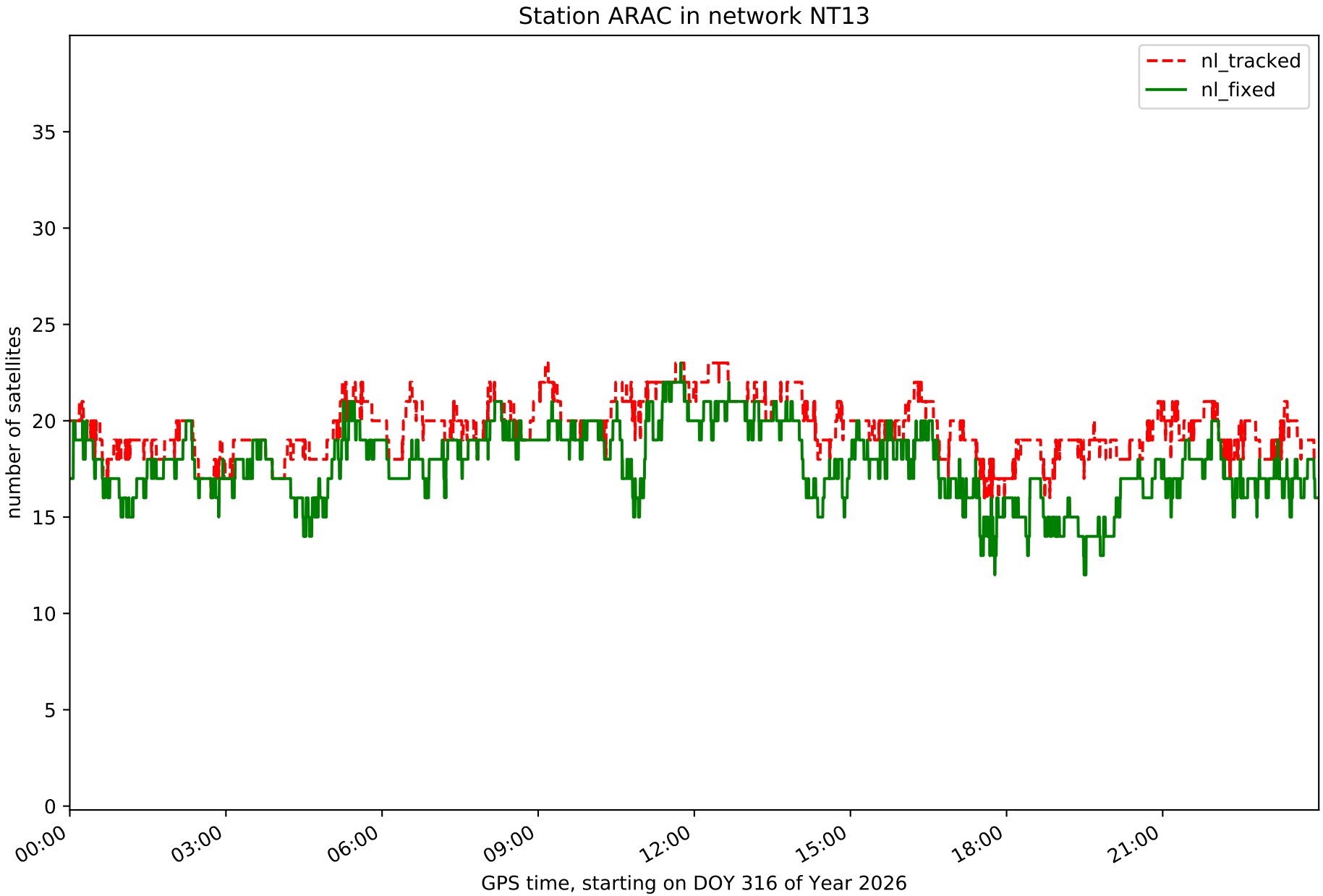

Network NT13 - only GLONASS with threshold set to 0.3
l1_tracked
l1_fixed (88.5 % fixed)
l2_tracked
l2_fixed (88.5 % fixed)
number of satellites
0
2
4
6
8
10
12
14
16
18
20
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

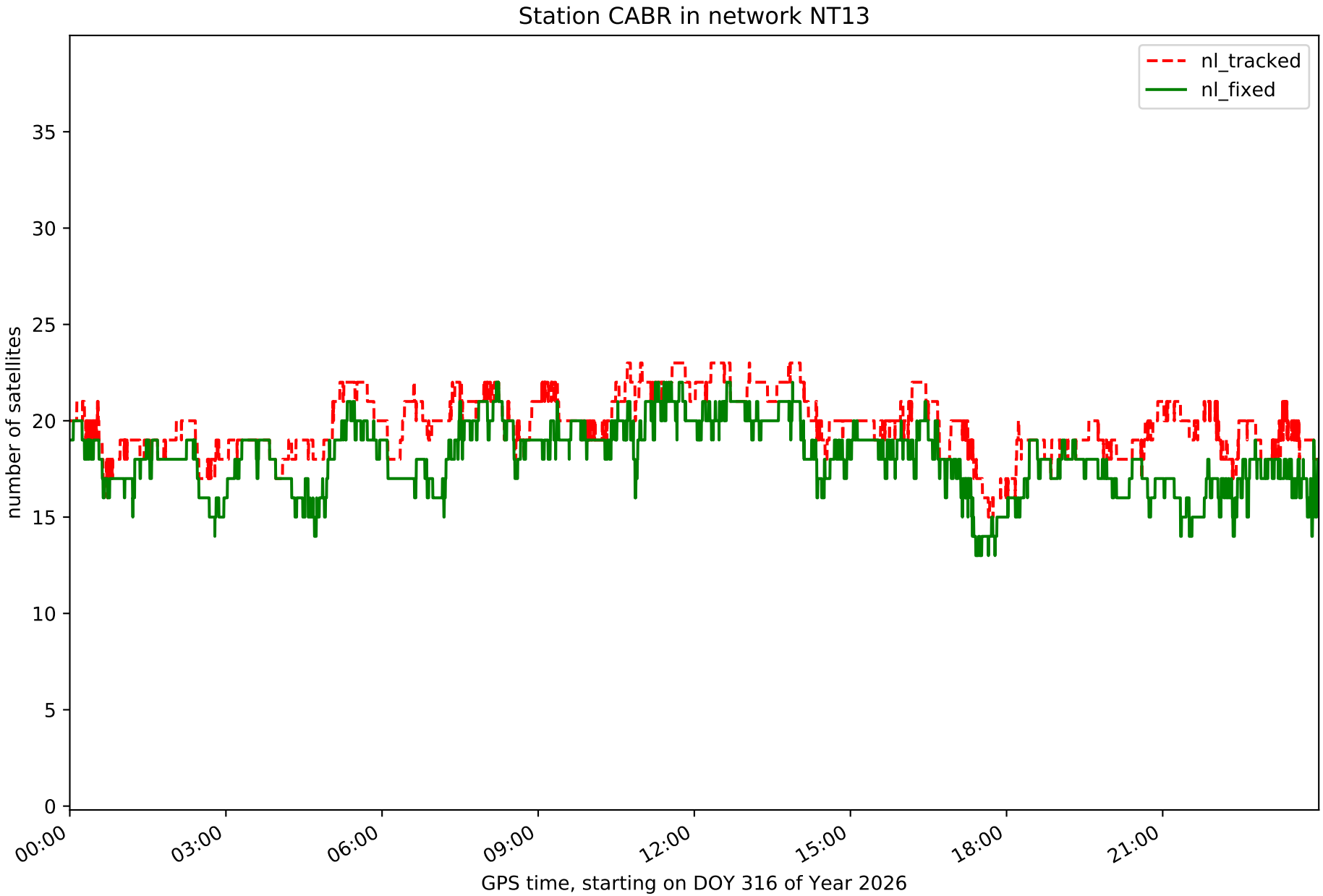

Network NT13 - only BDS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 316 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
I2_tracked
I2_fixed (59.6 % fixed)
I6_tracked
I6_fixed (61.6 % fixed)
I7_tracked
I7_fixed (0.0 % fixed)

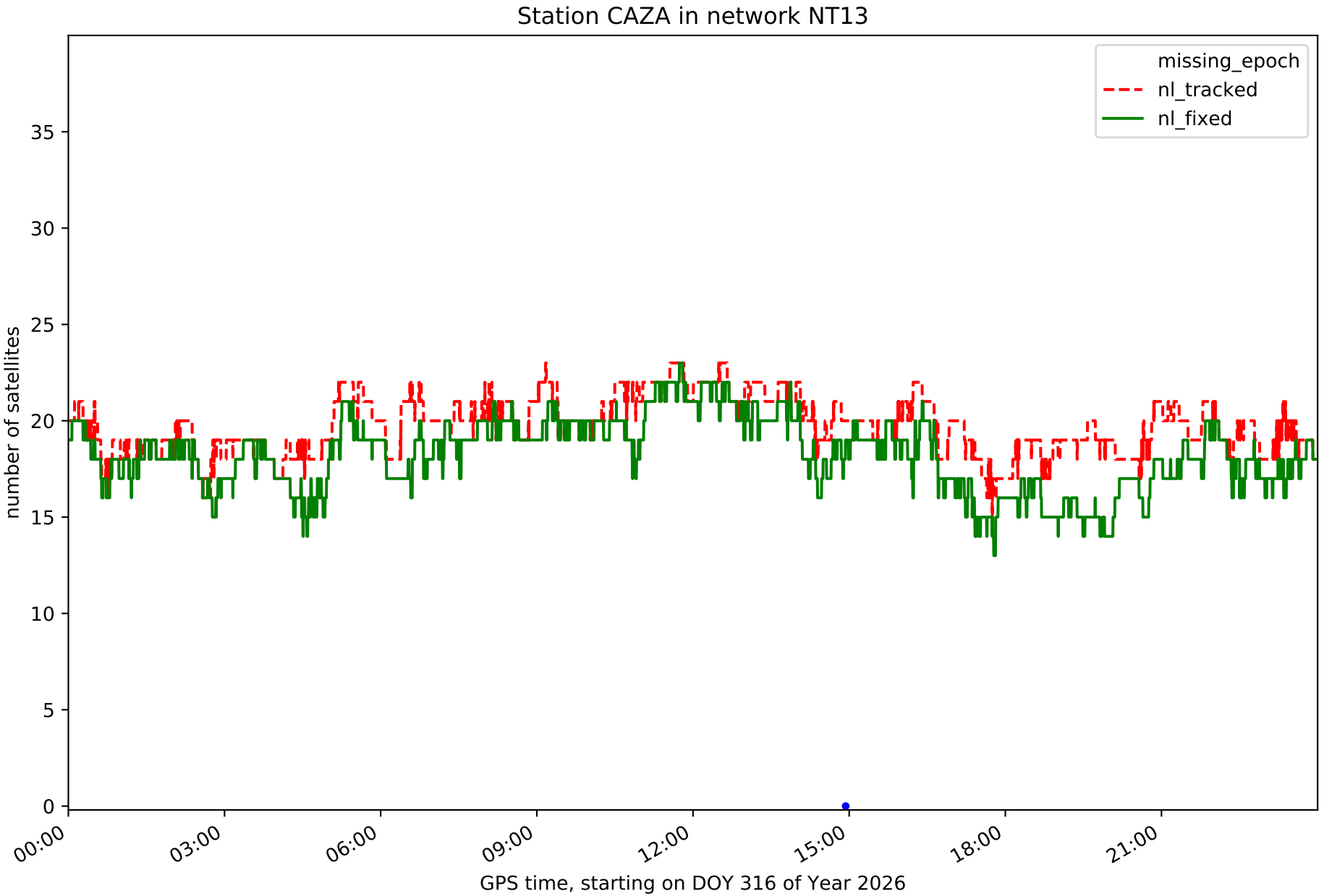

Network NT13 - only Galileo with threshold set to 0.3
number of satellites
GPS time, starting on DOY 316 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
l1_tracked
l1_fixed (93.9 % fixed)
l5_tracked
l5_fixed (94.2 % fixed)
l7_tracked
l7_fixed (94.0 % fixed)

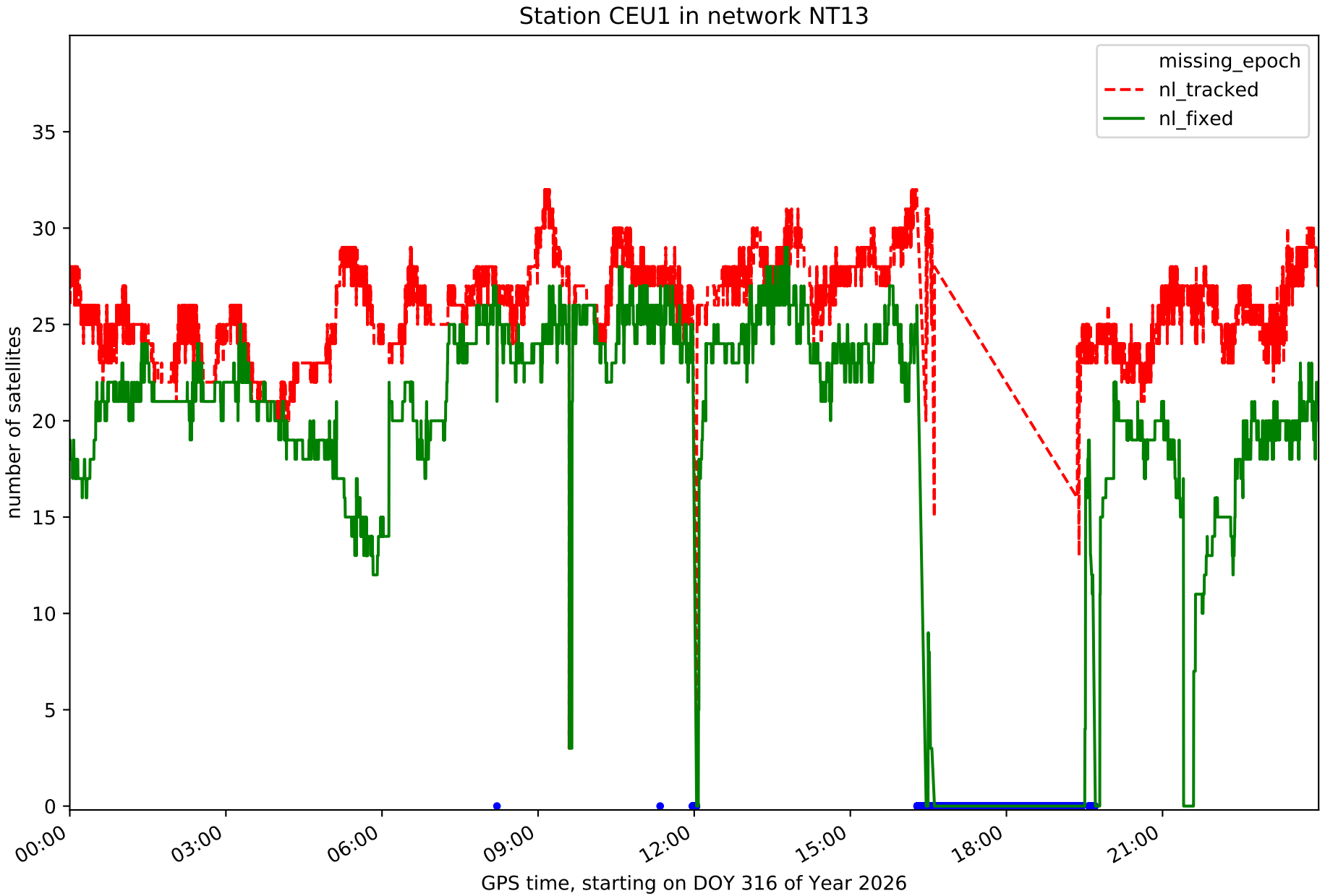

Station ALGC in network NT13
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

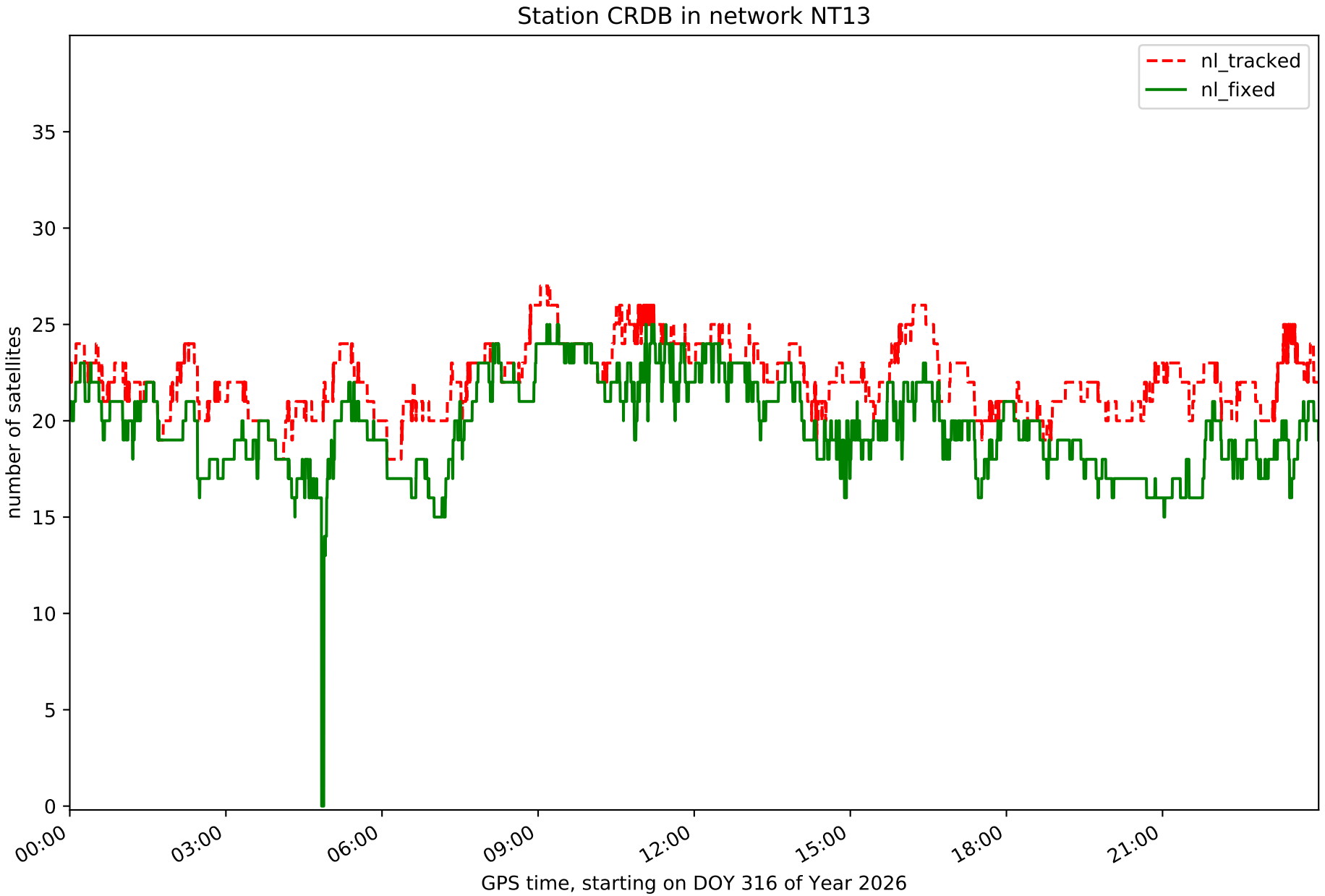

Station AND2 in network NT13
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

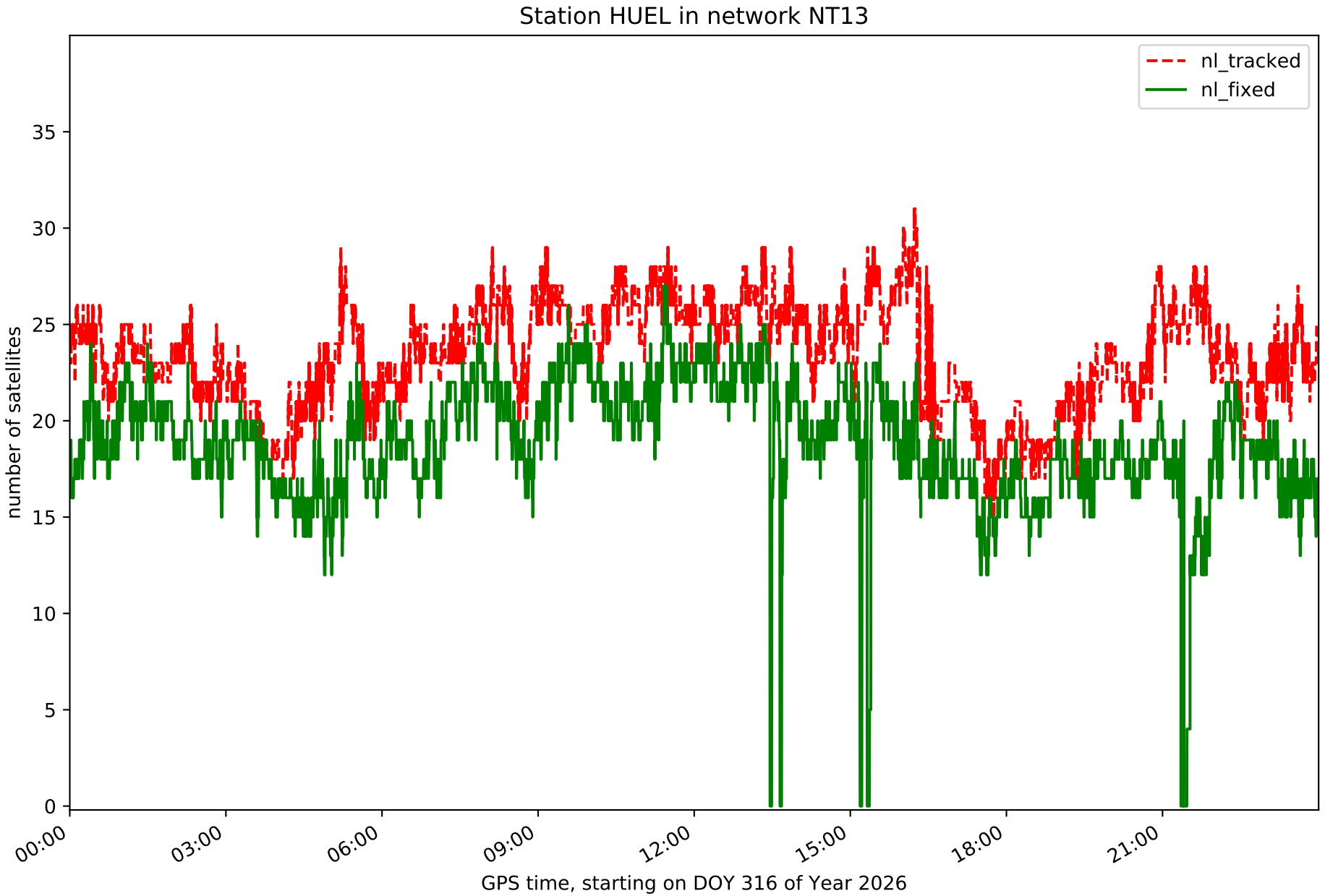

Station ARAC in network NT13
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

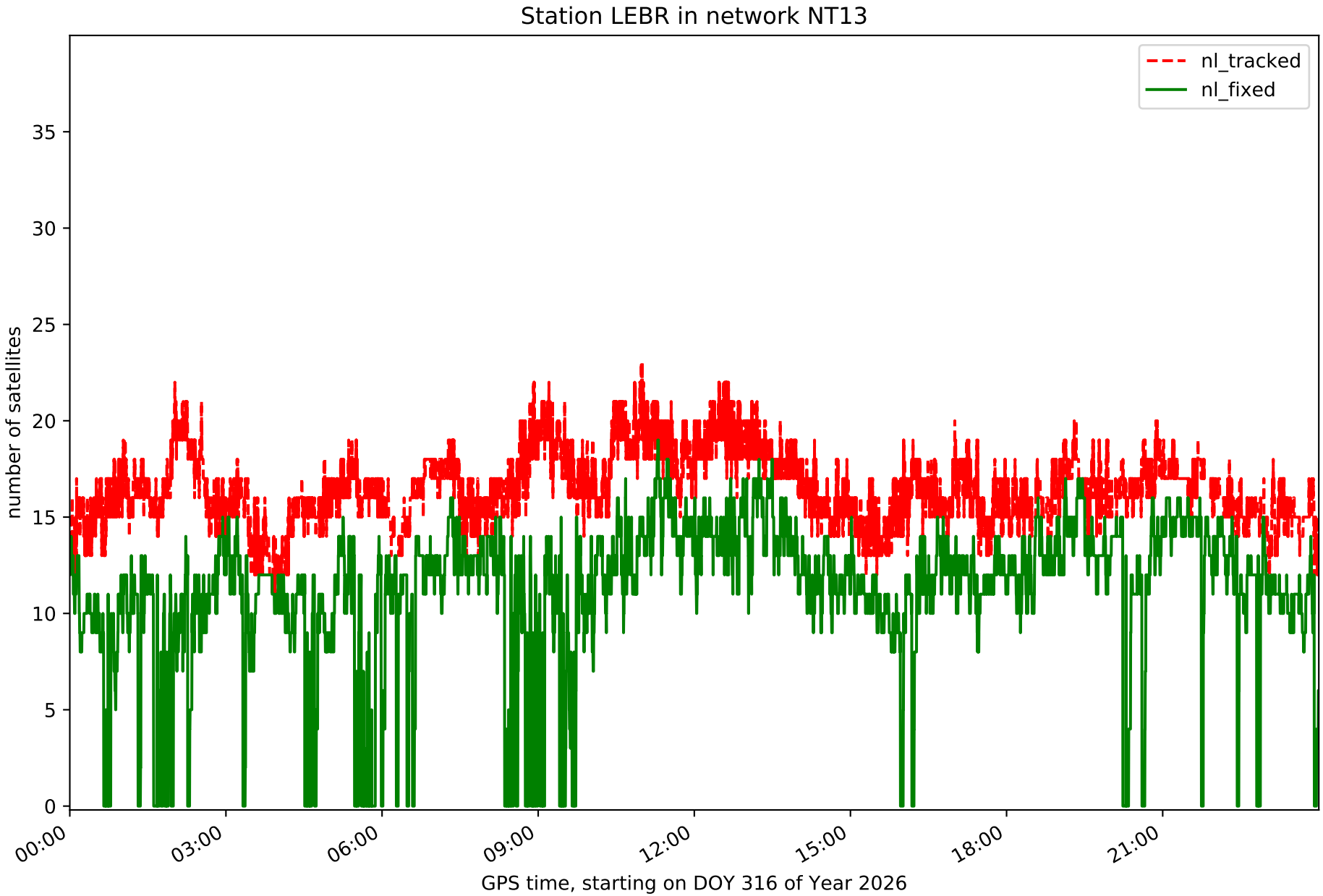

Station CABR in network NT13
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

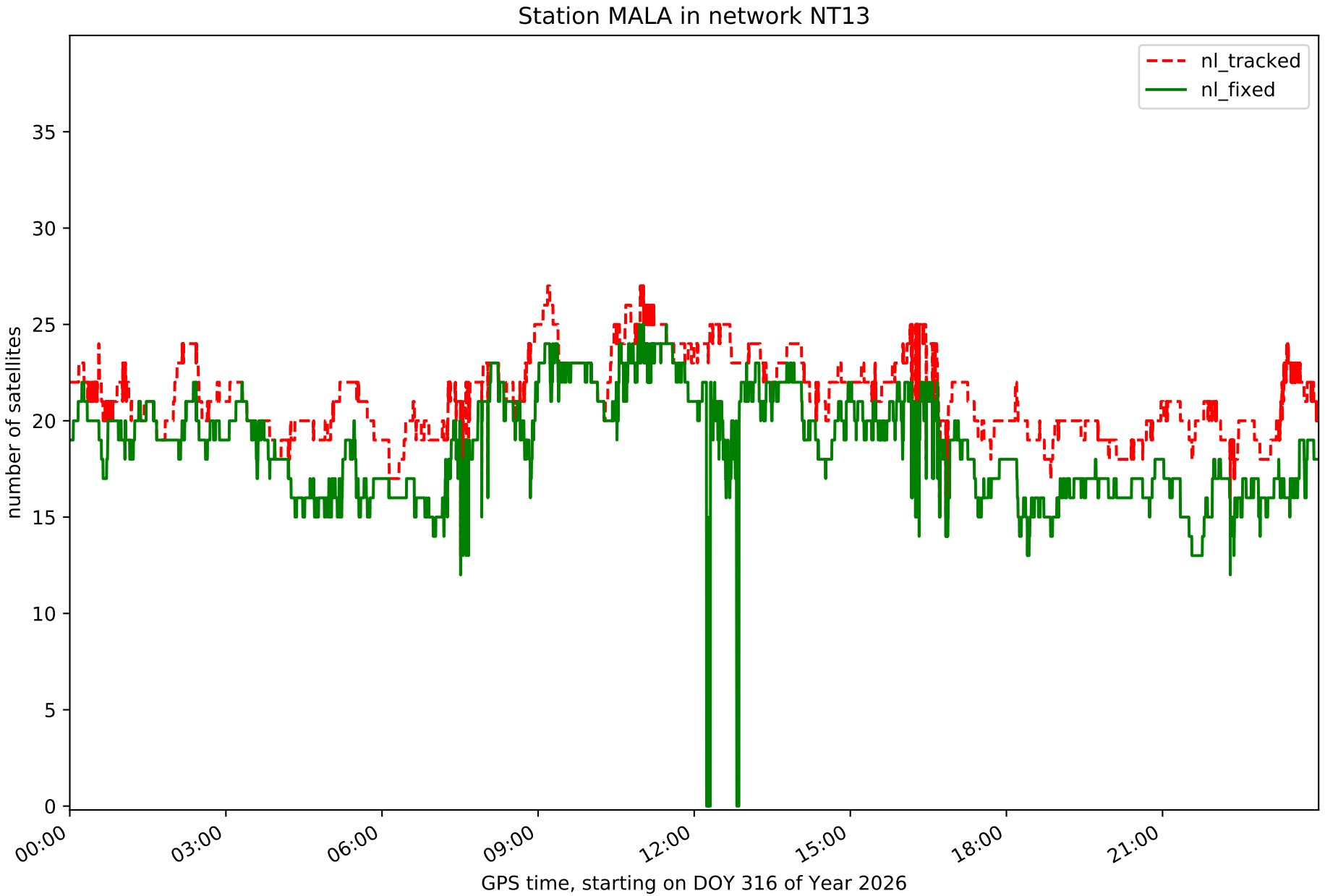

Station CAZA in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

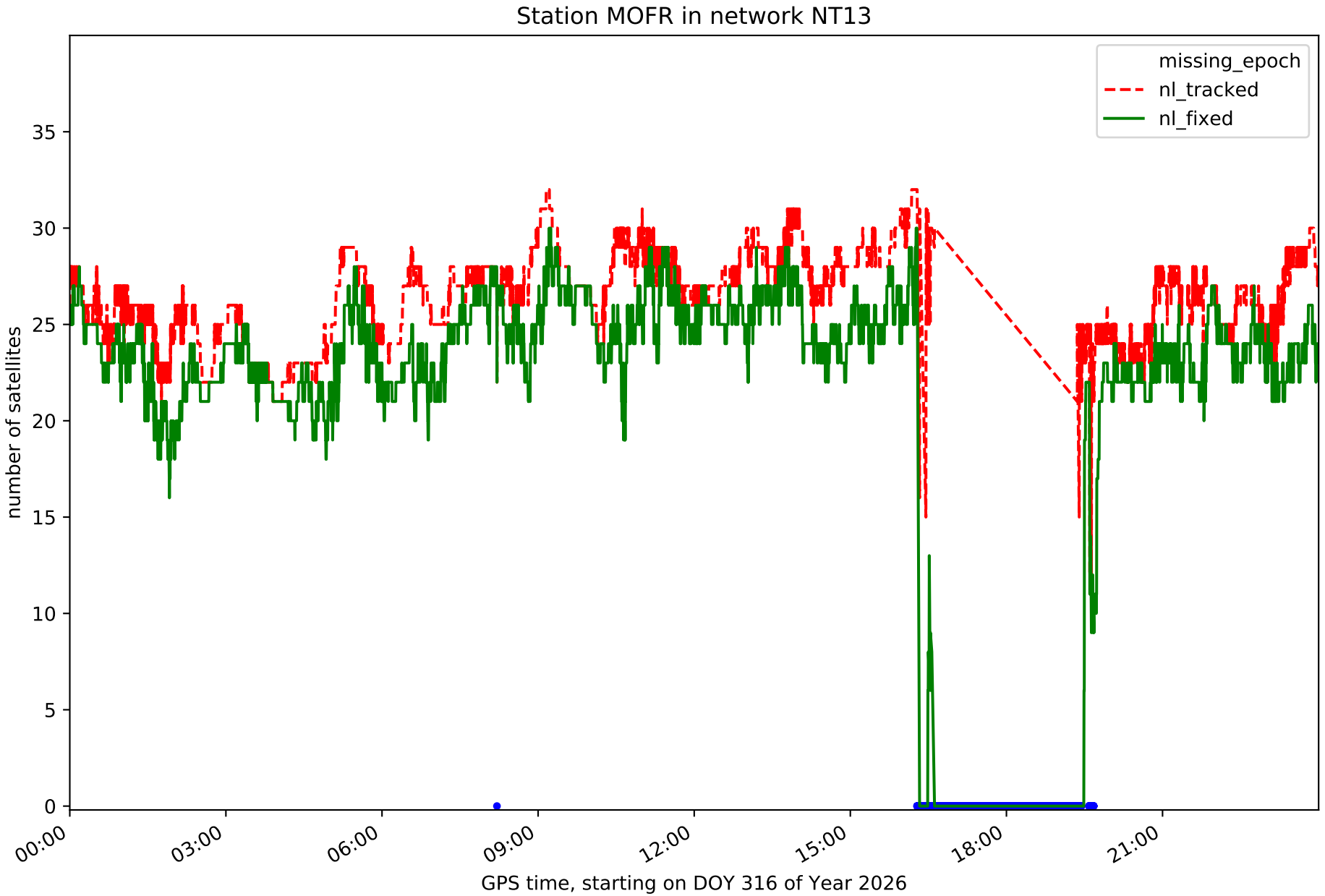

Station CEU1 in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

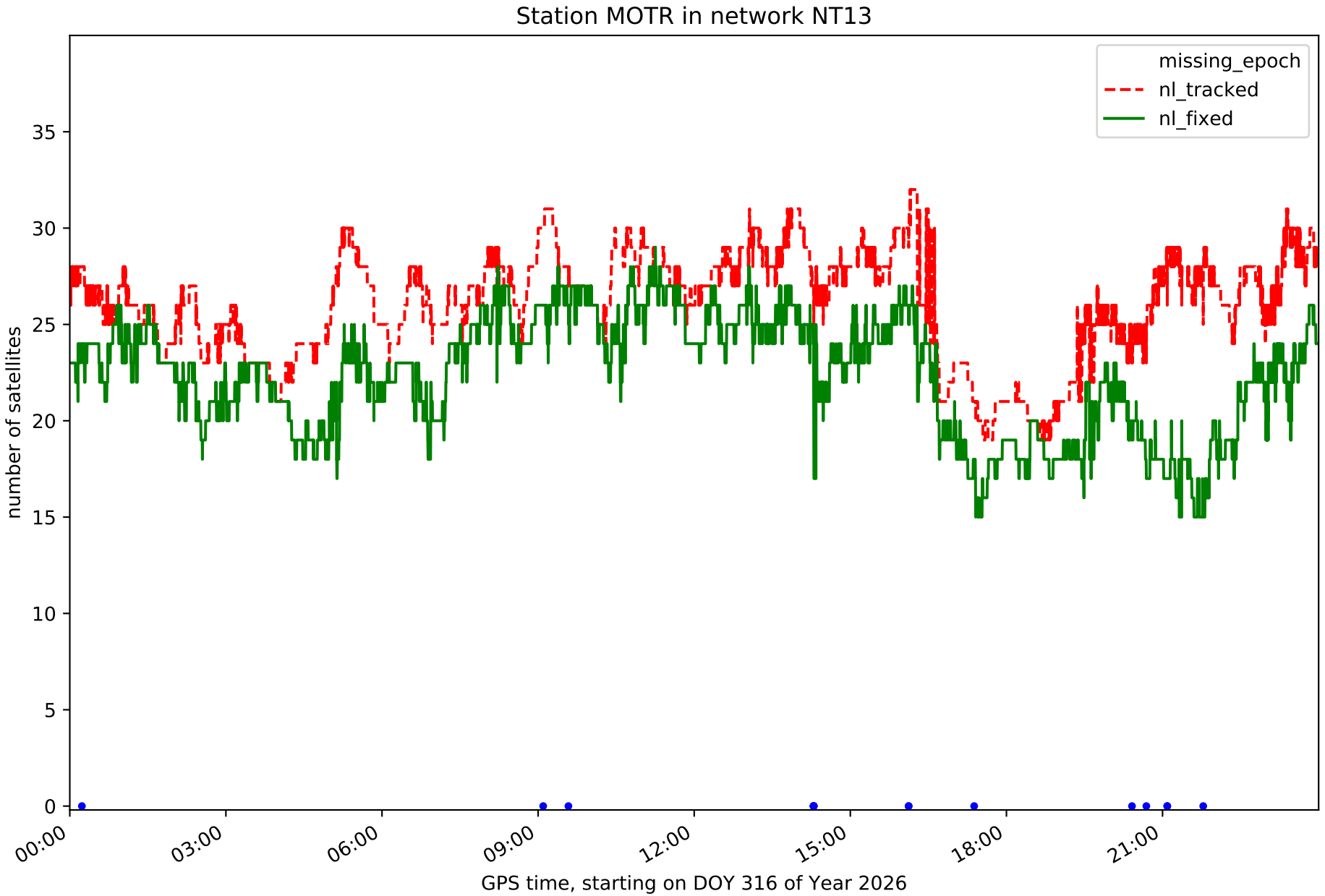

Station CRDB in network NT13
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

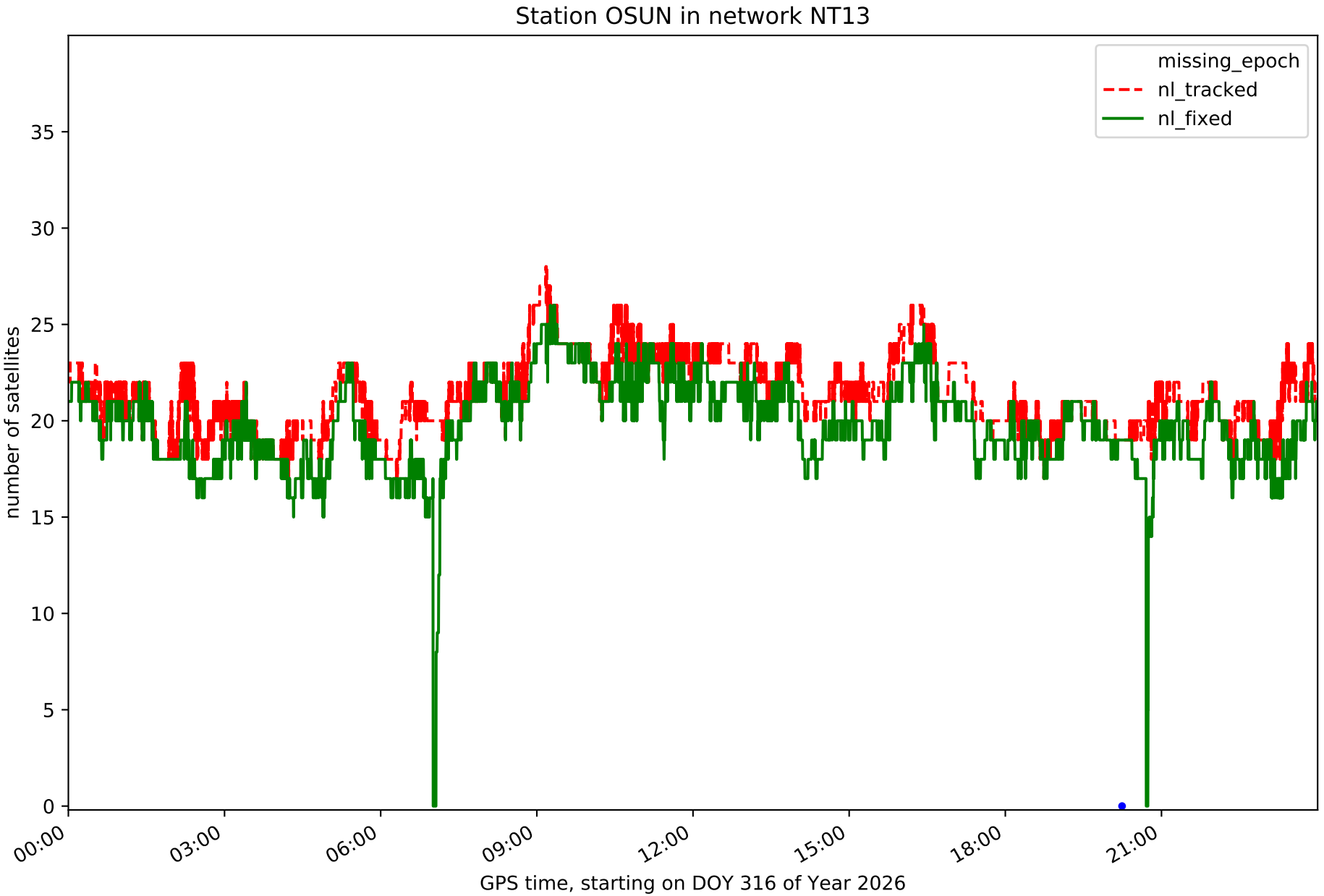

Station HUEL in network NT13
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

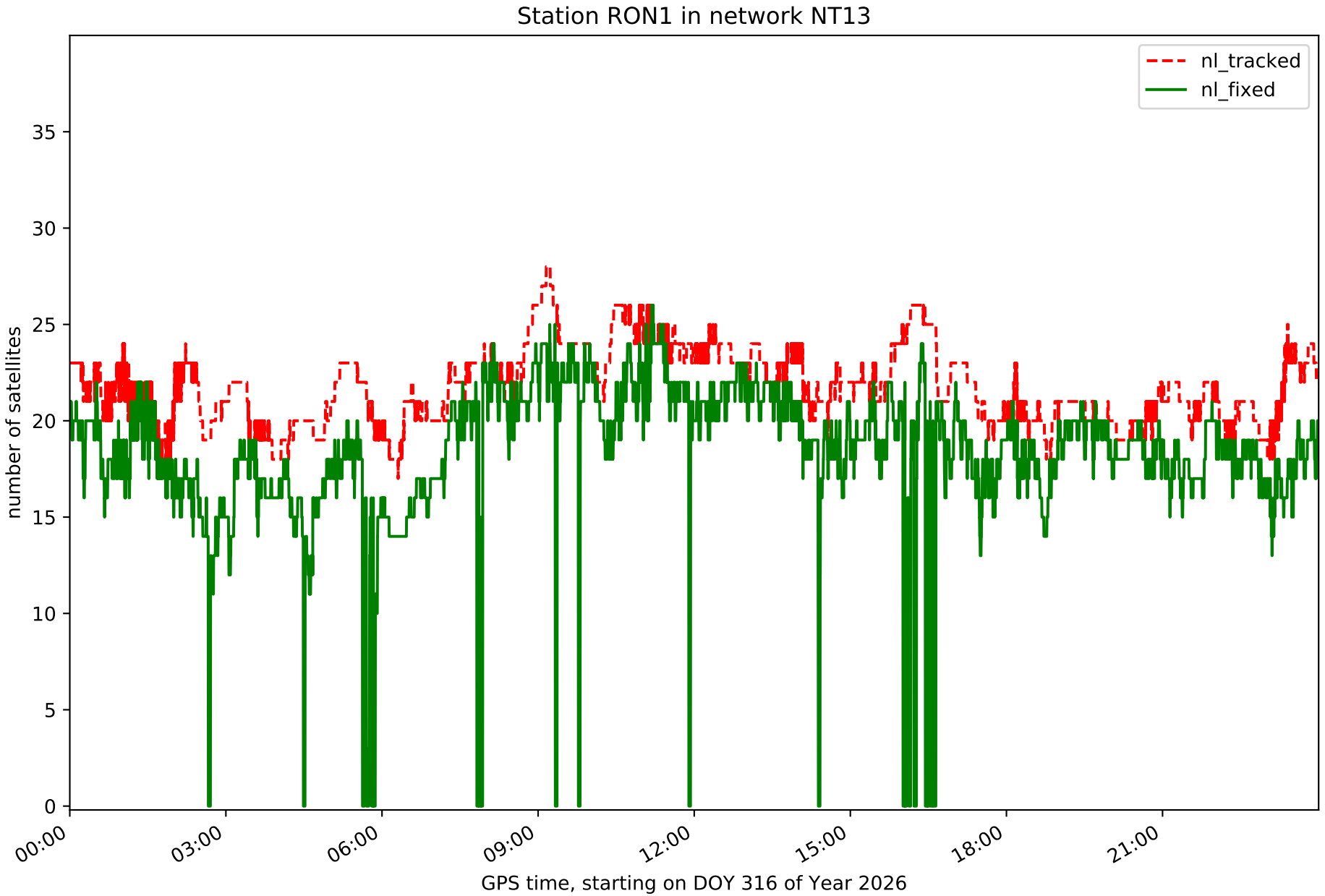

Station LEBR in network NT13
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

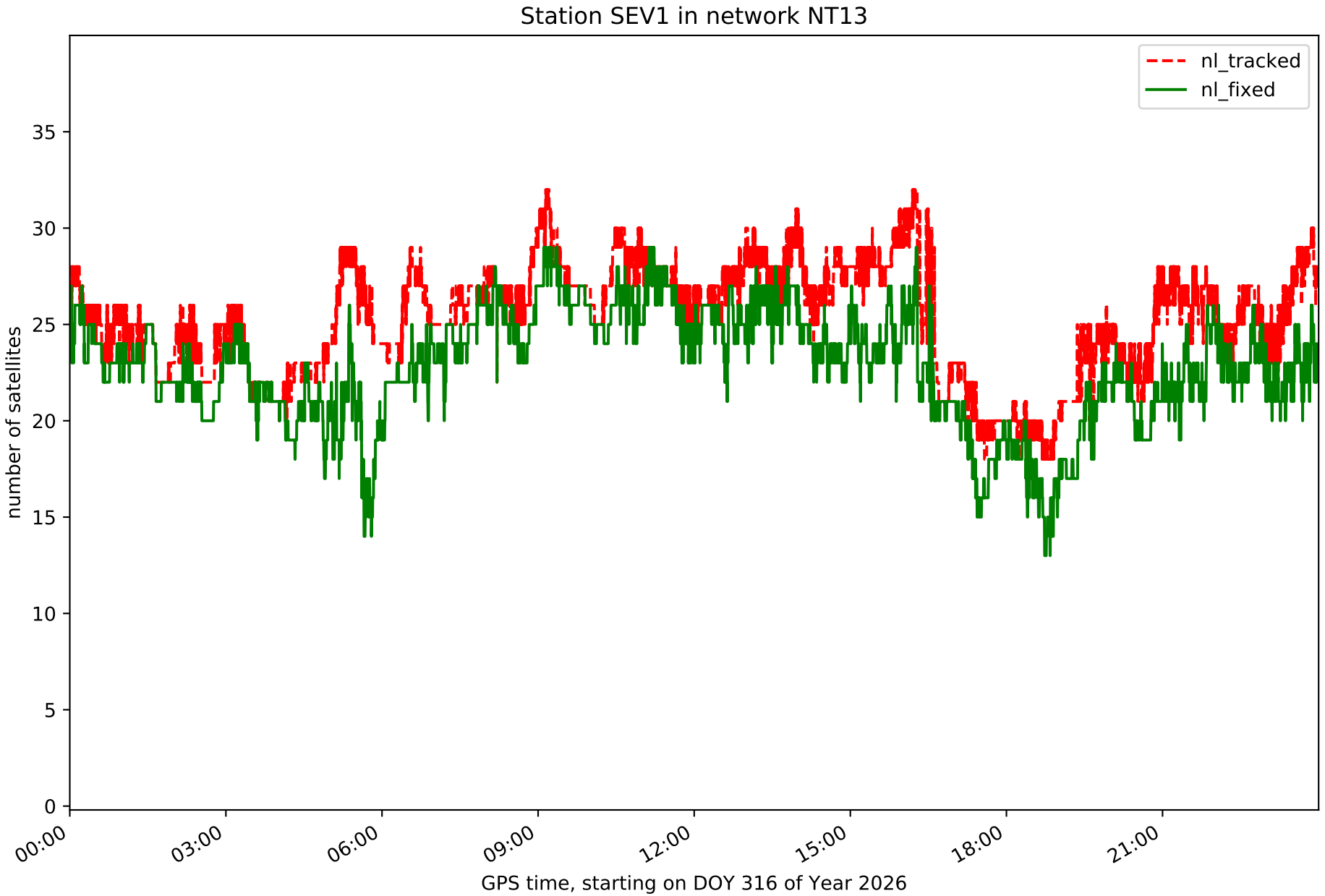

Station MALA in network NT13
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

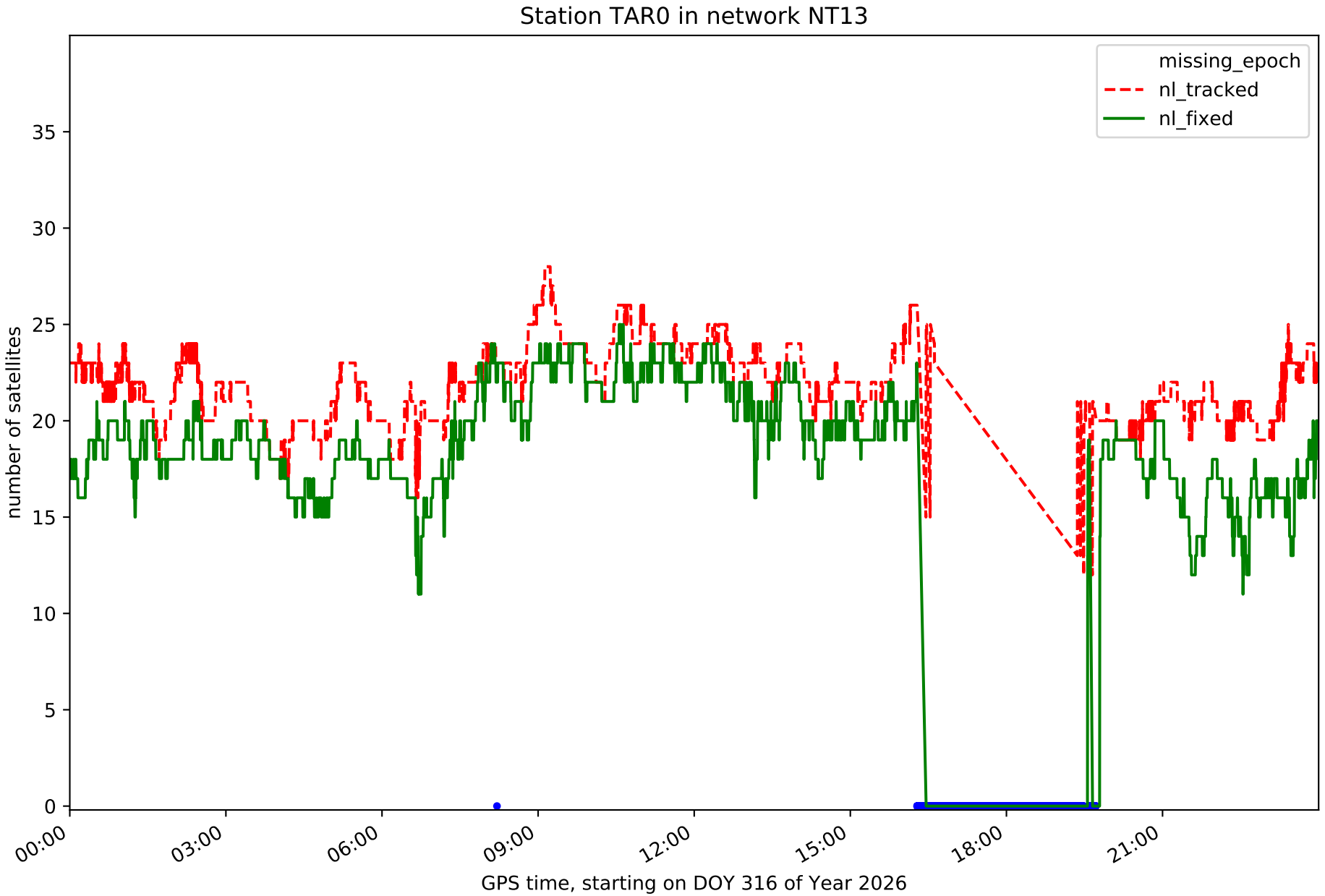

Station MOFR in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

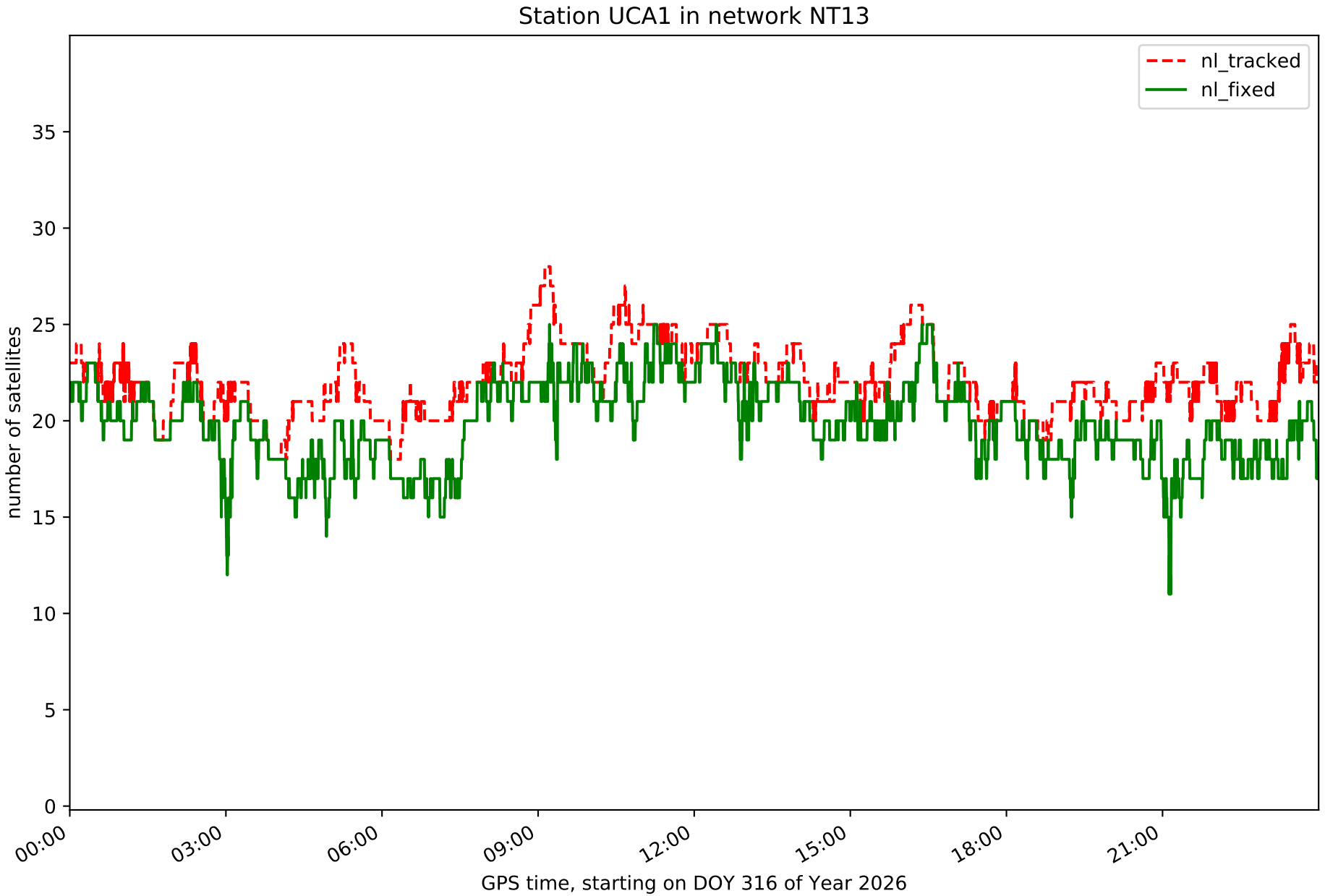

Station MOTR in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

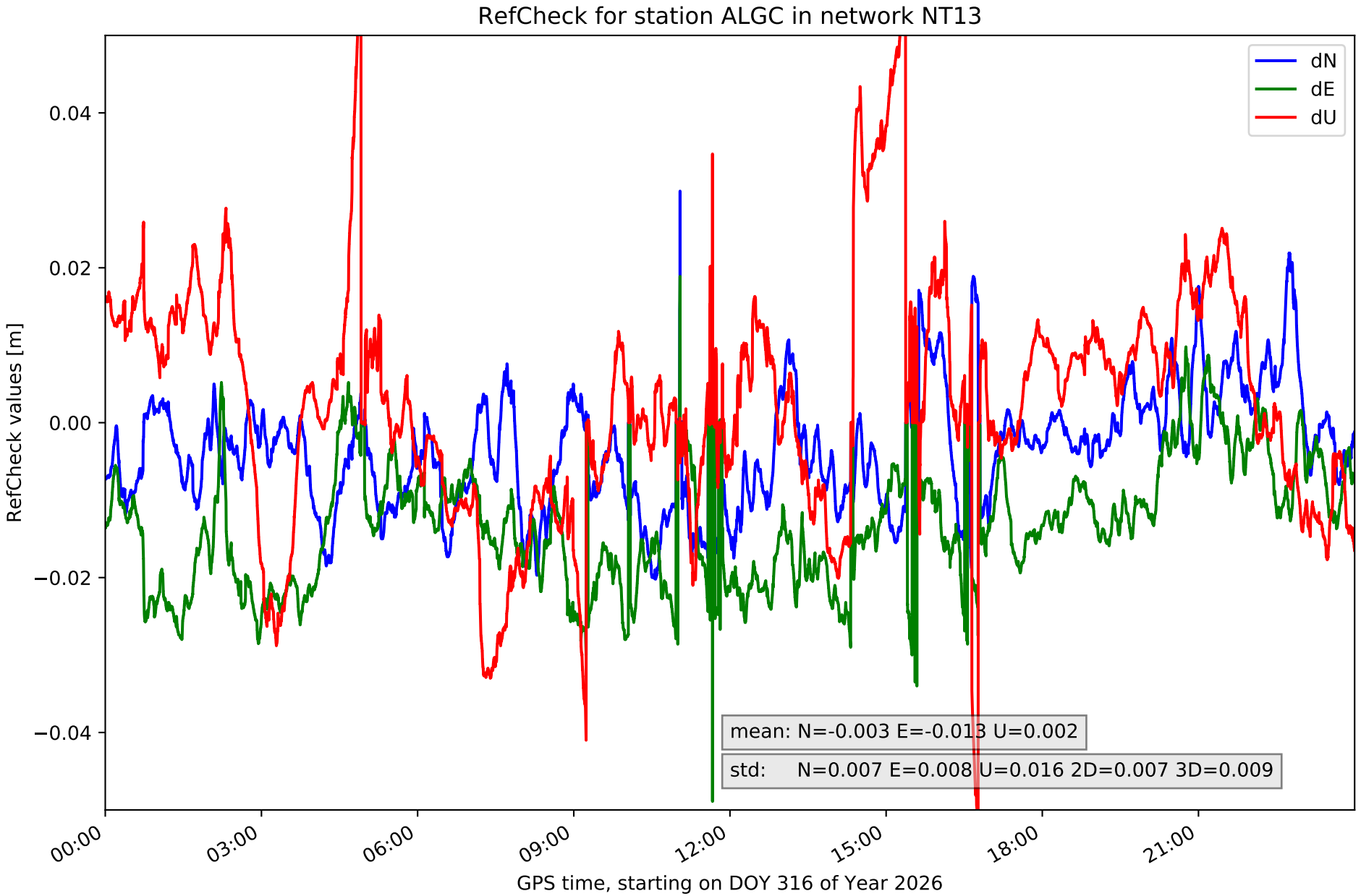

Station OSUN in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

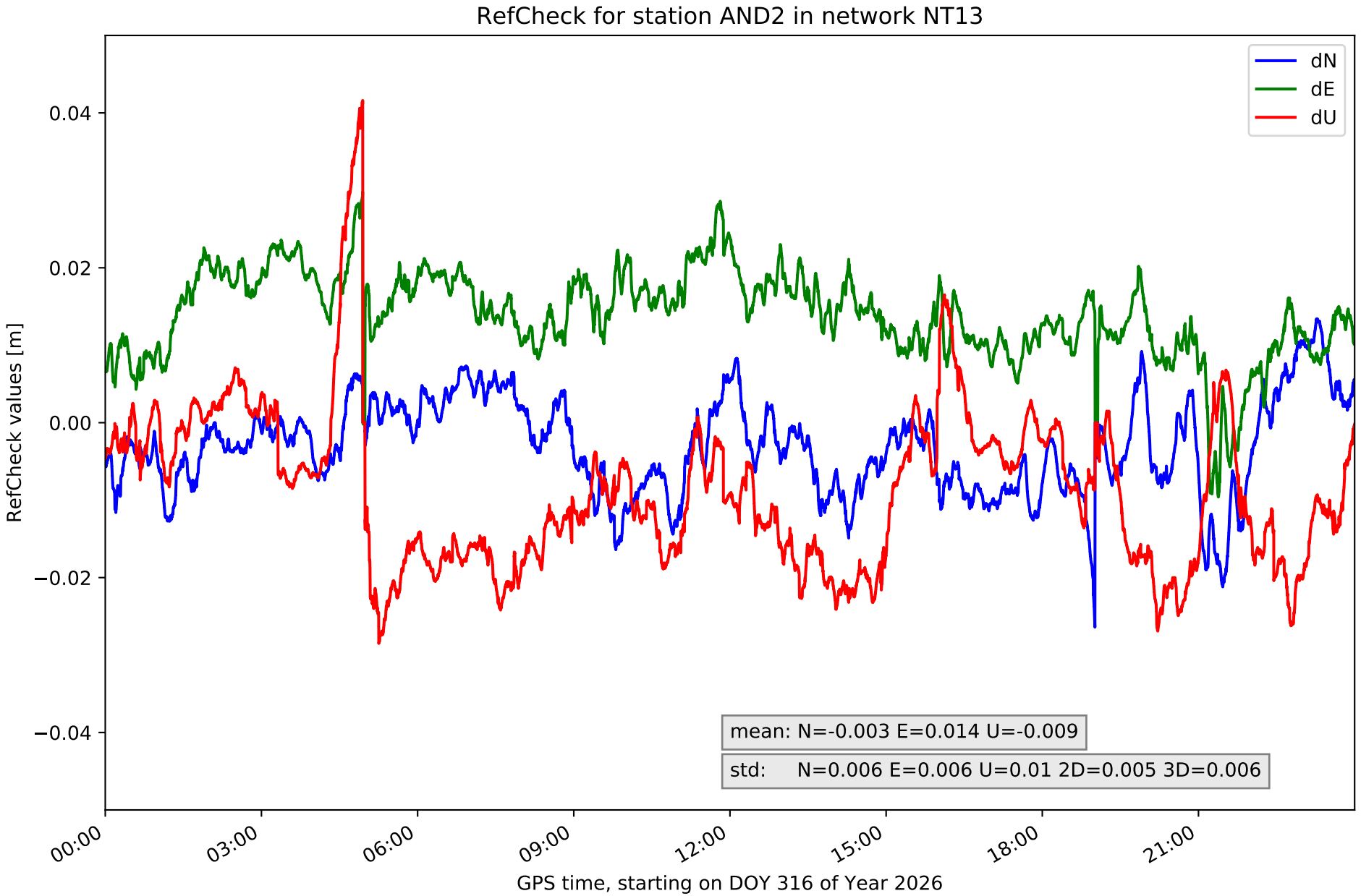

Station RON1 in network NT13
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

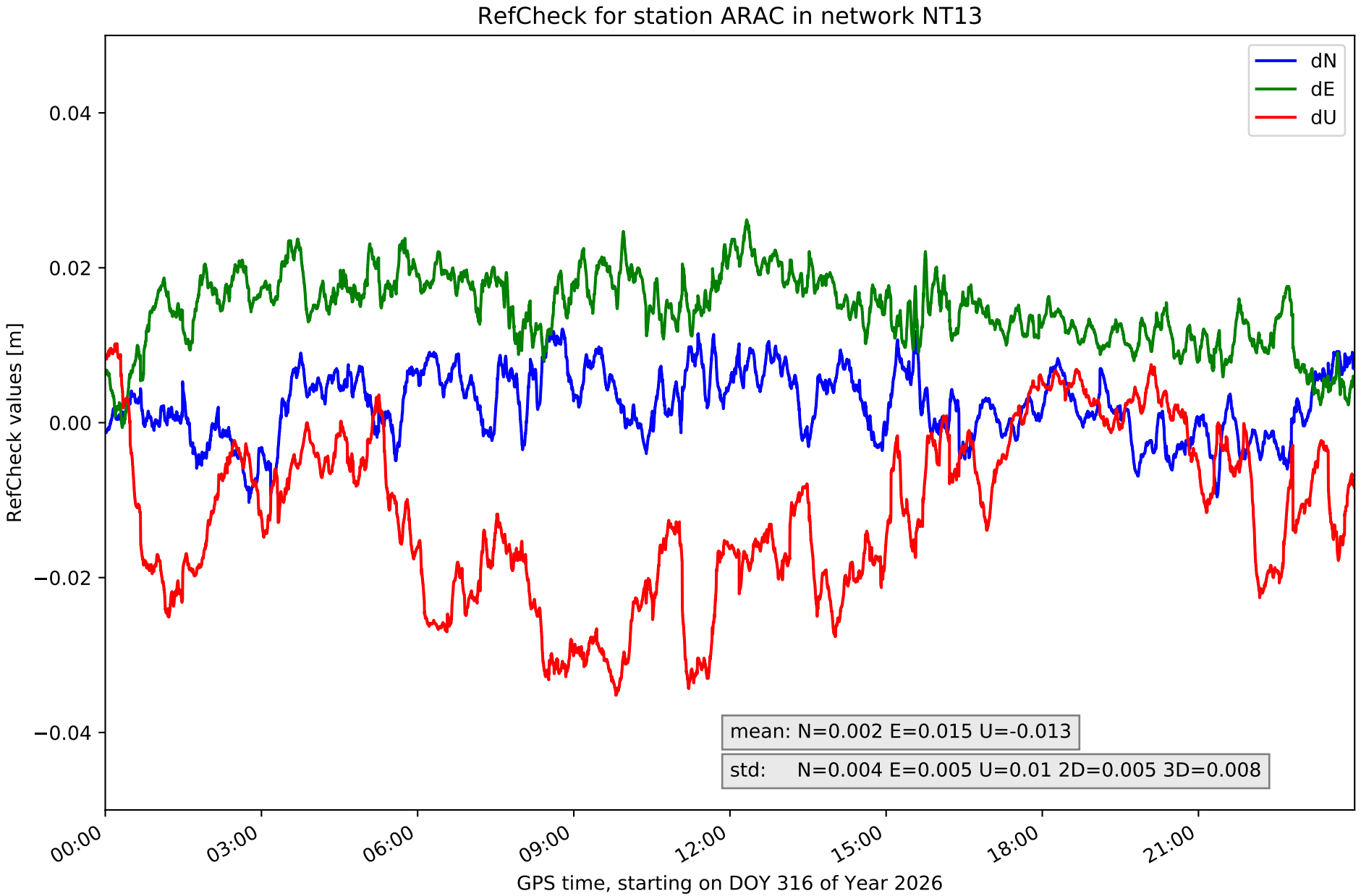

Station SEV1 in network NT13
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

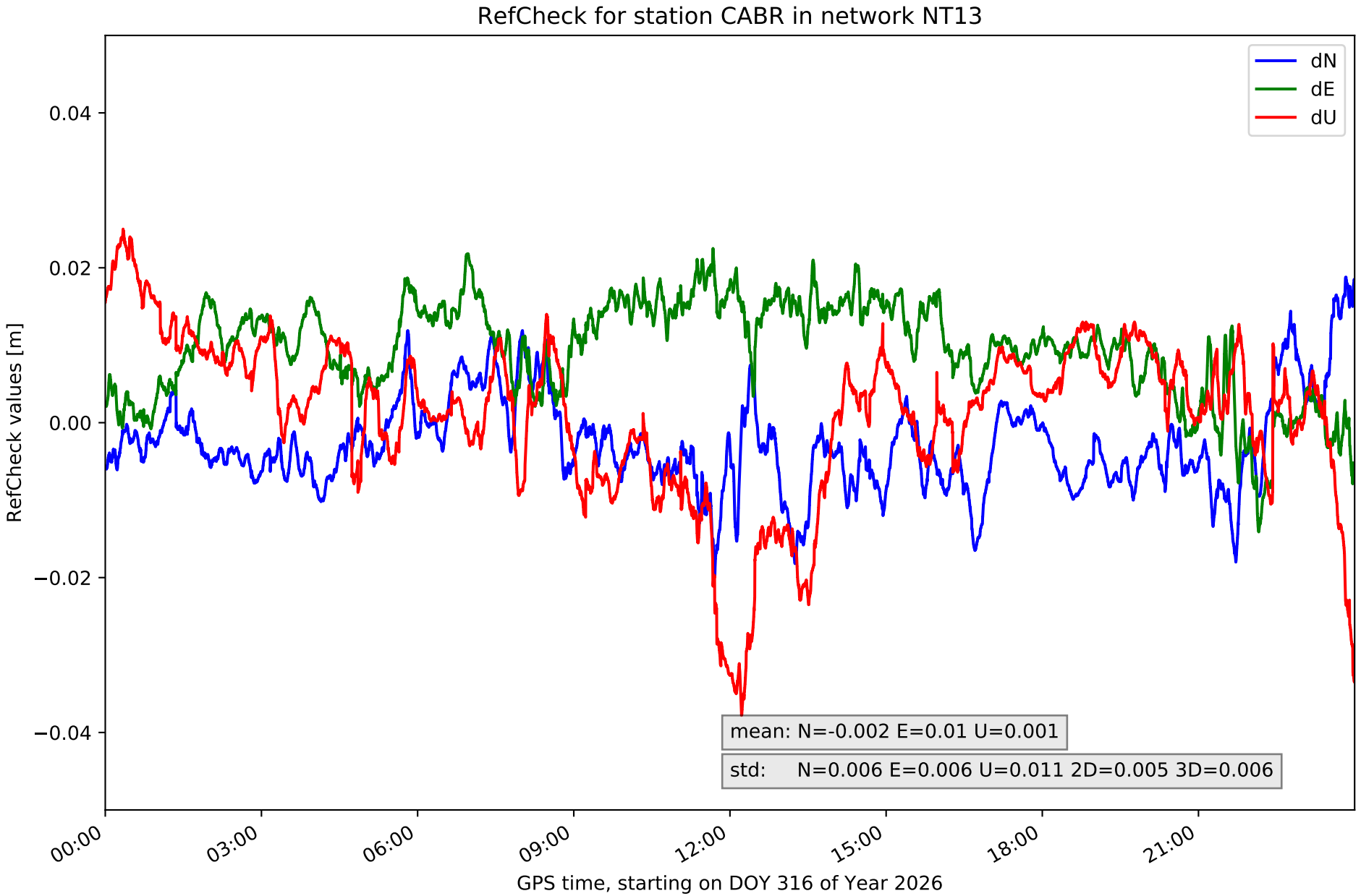

Station TAR0 in network NT13
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

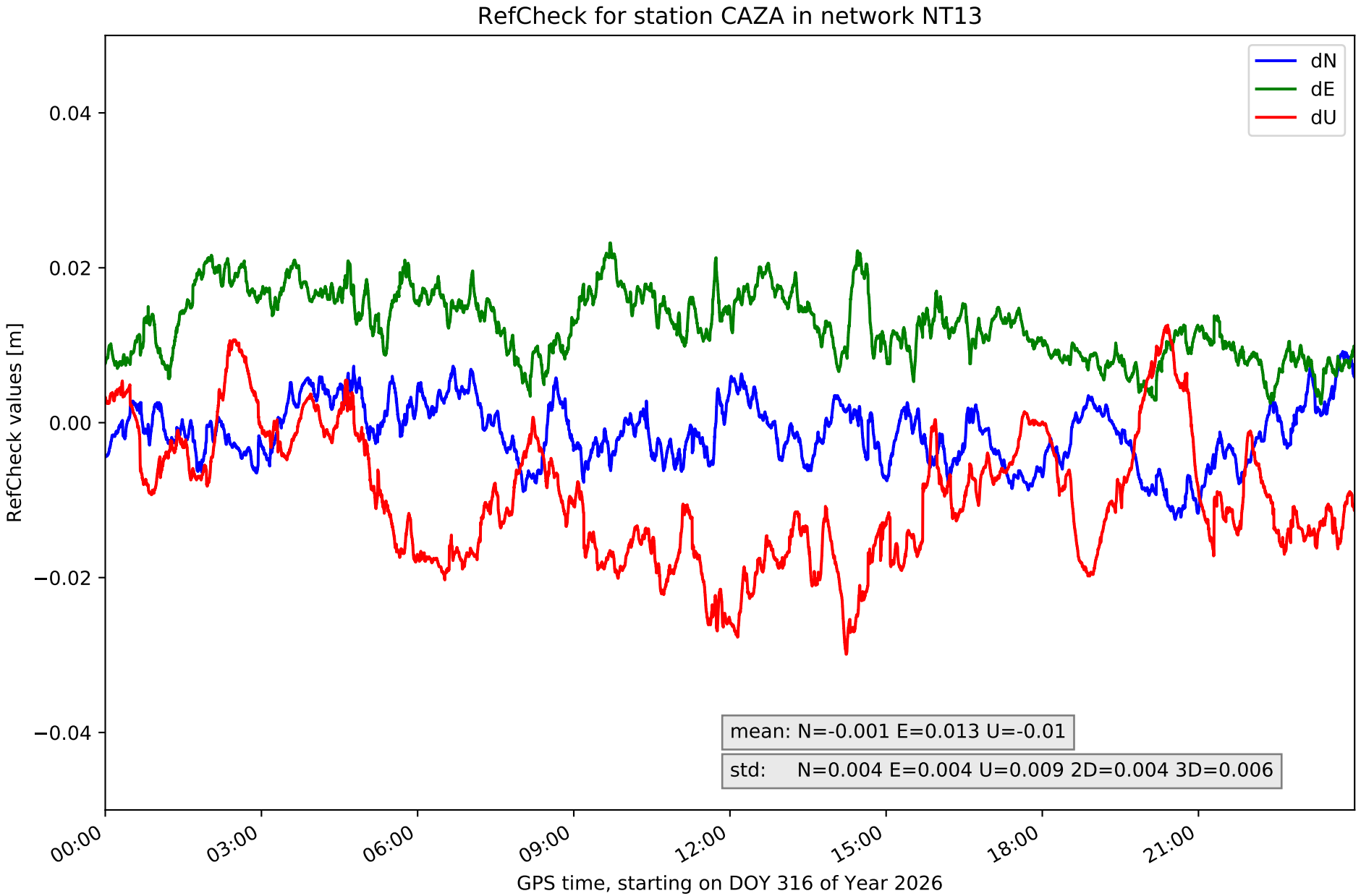

Station UCA1 in network NT13
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

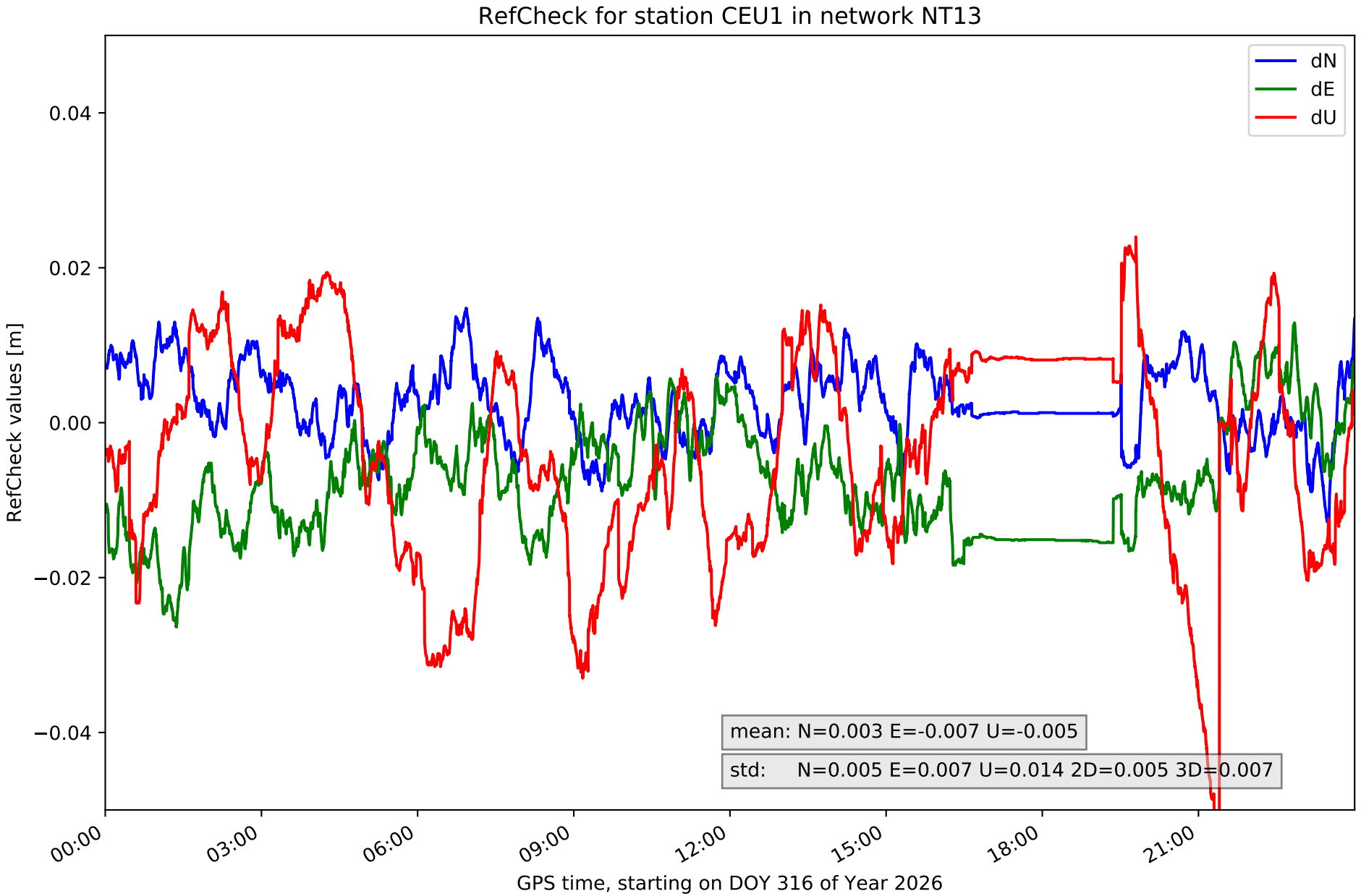

RefCheck for station ALGC in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.003 E=-0.013 U=0.002
std: N=0.007 E=0.008 U=0.016 2D=0.007 3D=0.009
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

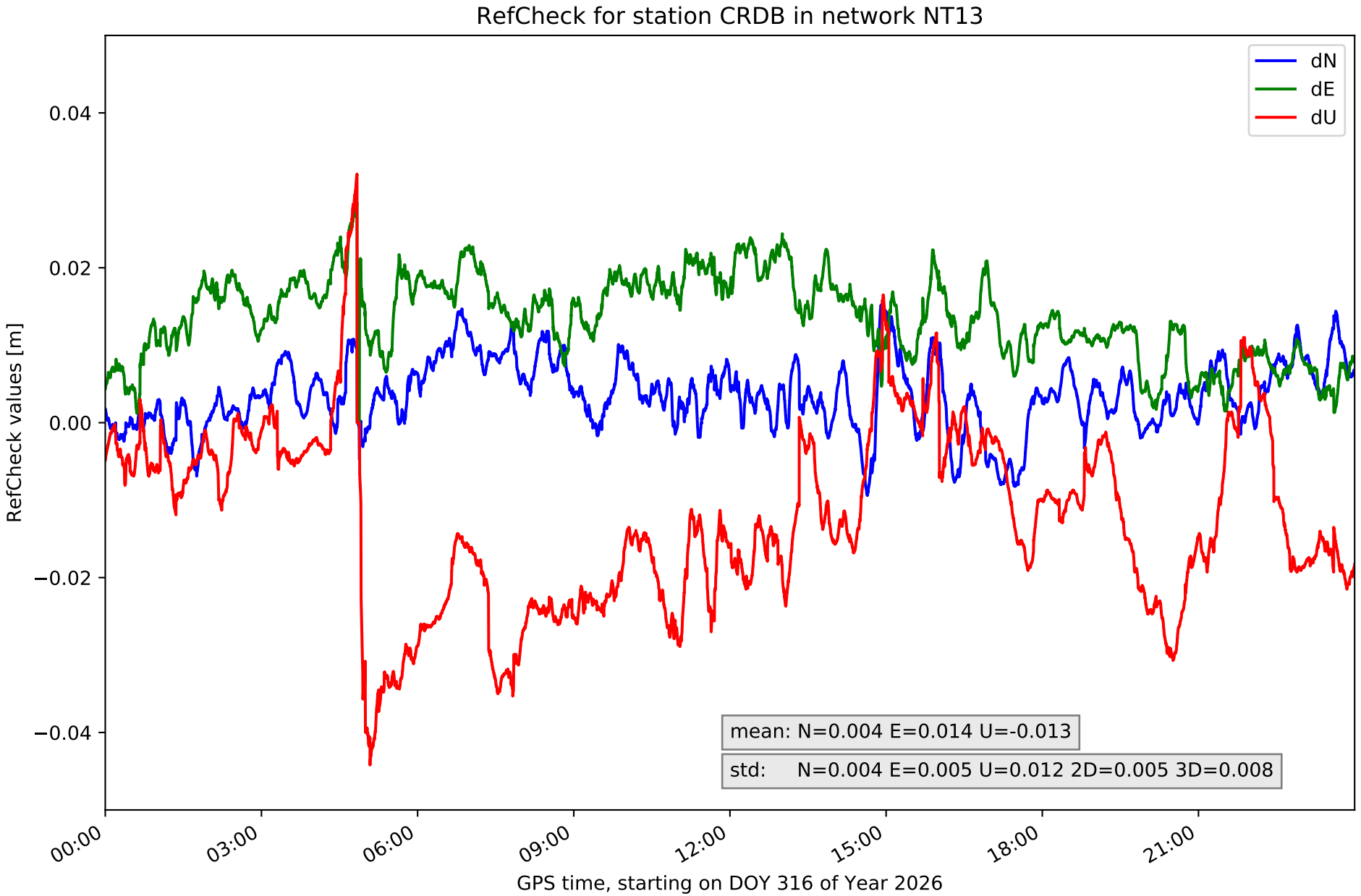

RefCheck for station AND2 in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.003 E=0.014 U=-0.009
std: N=0.006 E=0.006 U=0.01 2D=0.005 3D=0.006
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

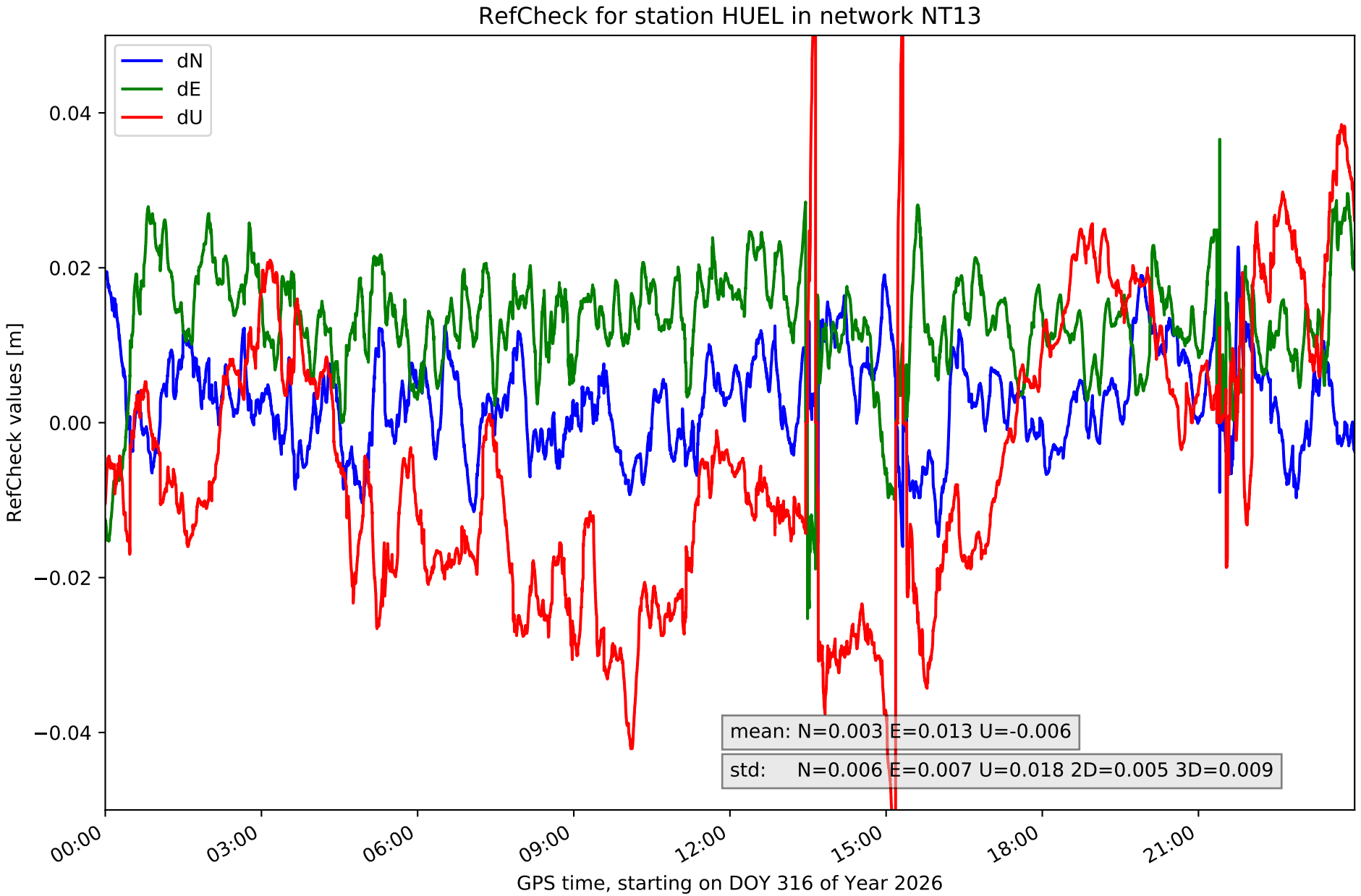

RefCheck for station ARAC in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=0.015 U=-0.013
std: N=0.004 E=0.005 U=0.01 2D=0.005 3D=0.008
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

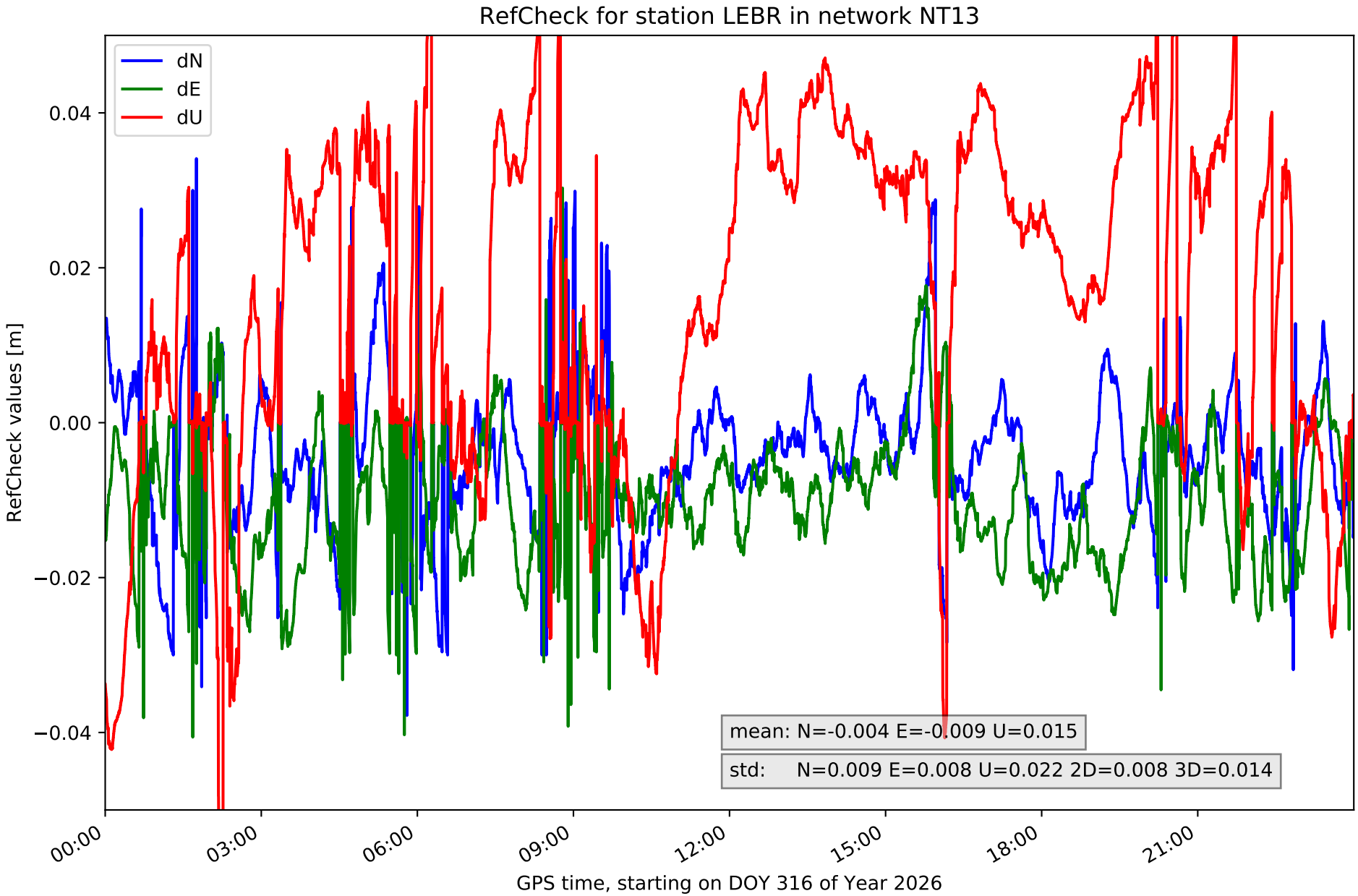

RefCheck for station CABR in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.002 E=0.01 U=0.001
std: N=0.006 E=0.006 U=0.011 2D=0.005 3D=0.006
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

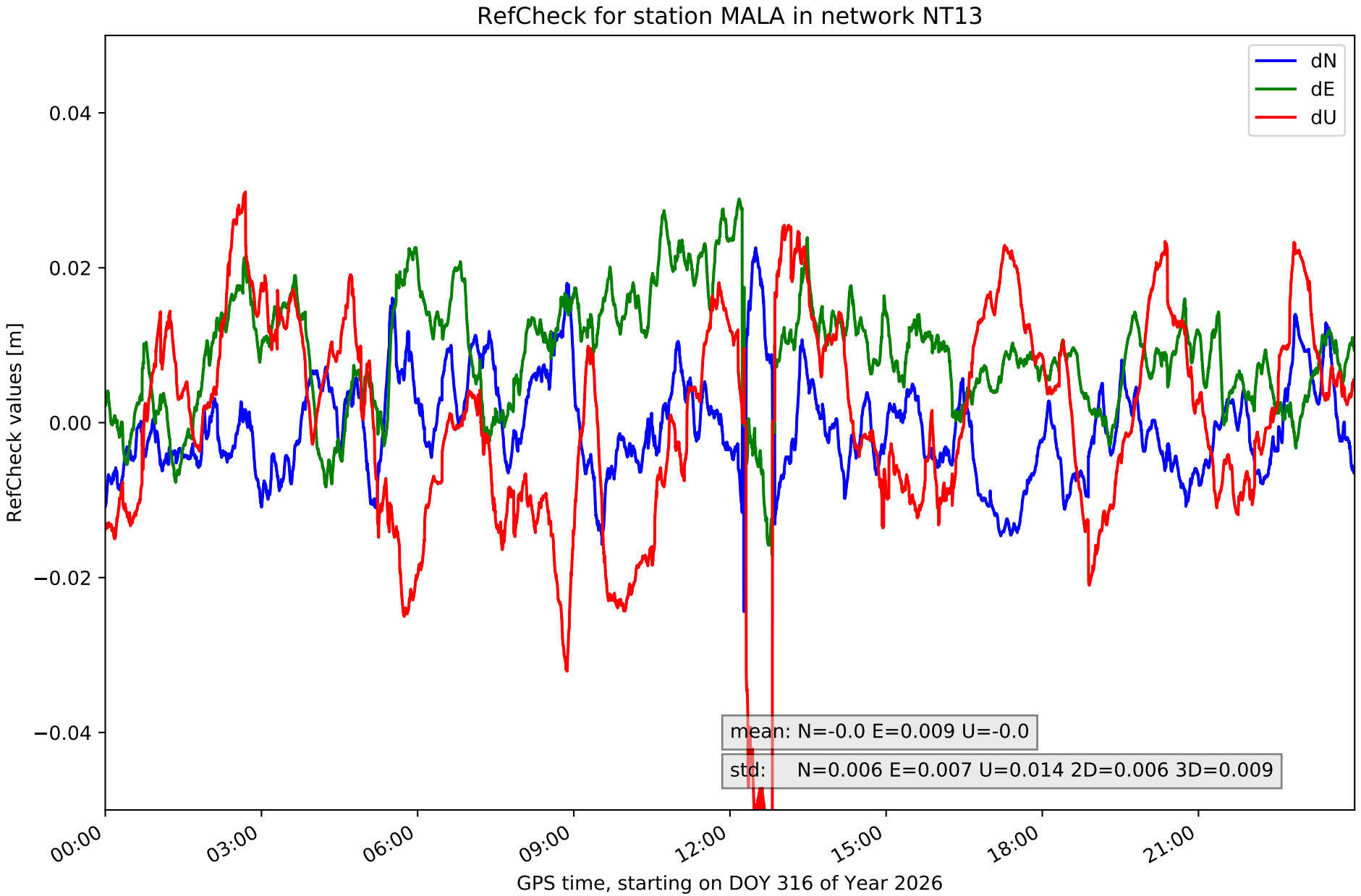

RefCheck for station CAZA in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.001 E=0.013 U=-0.01
std: N=0.004 E=0.004 U=0.009 2D=0.004 3D=0.006
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

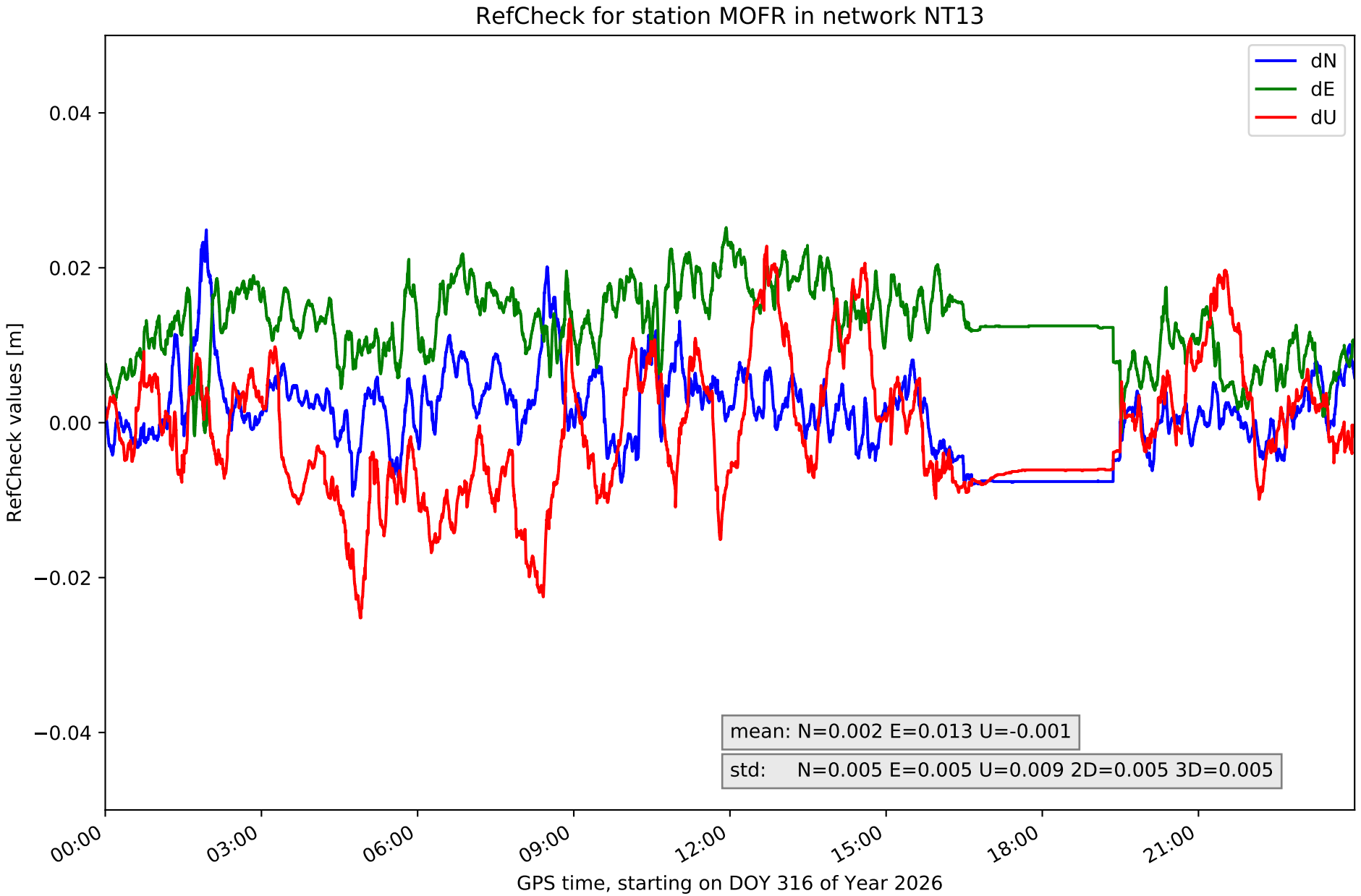

RefCheck for station CEU1 in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.003 E=-0.007 U=-0.005
std: N=0.005 E=0.007 U=0.014 2D=0.005 3D=0.007
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

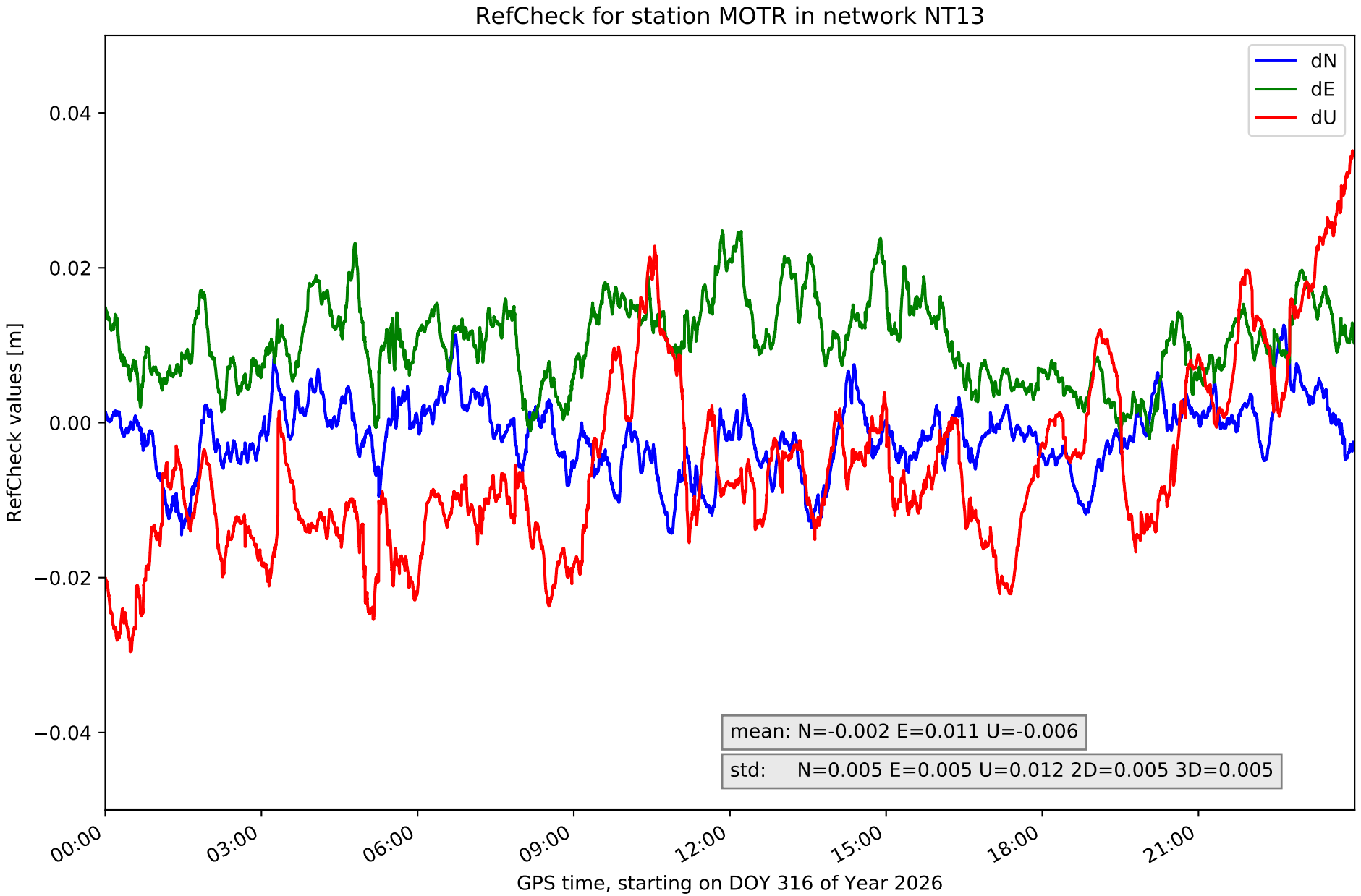

RefCheck for station CRDB in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.004 E=0.014 U=-0.013
std: N=0.004 E=0.005 U=0.012 2D=0.005 3D=0.008
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

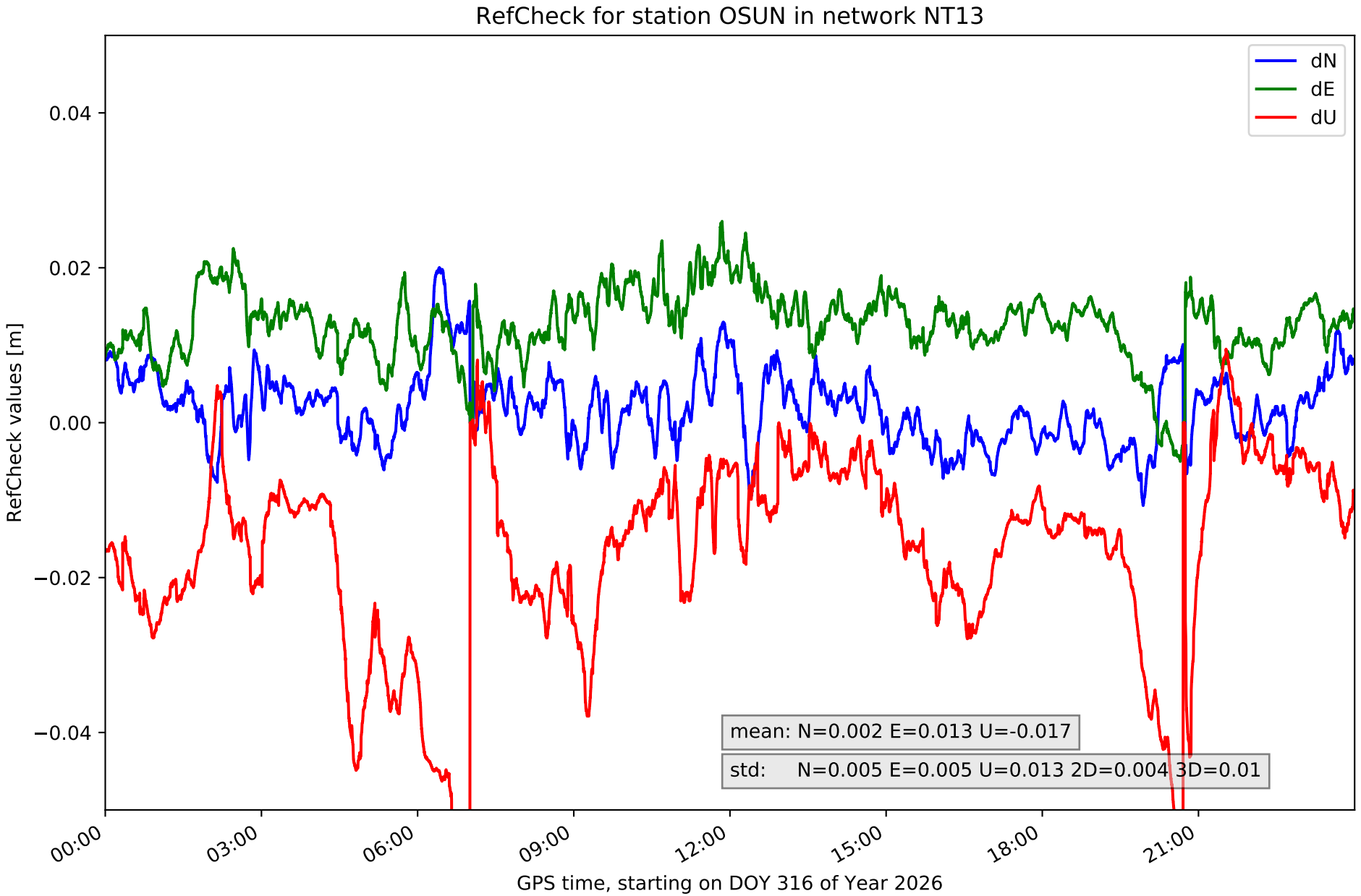

RefCheck for station HUEL in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.003 E=0.013 U=-0.006
std: N=0.006 E=0.007 U=0.018 2D=0.005 3D=0.009
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

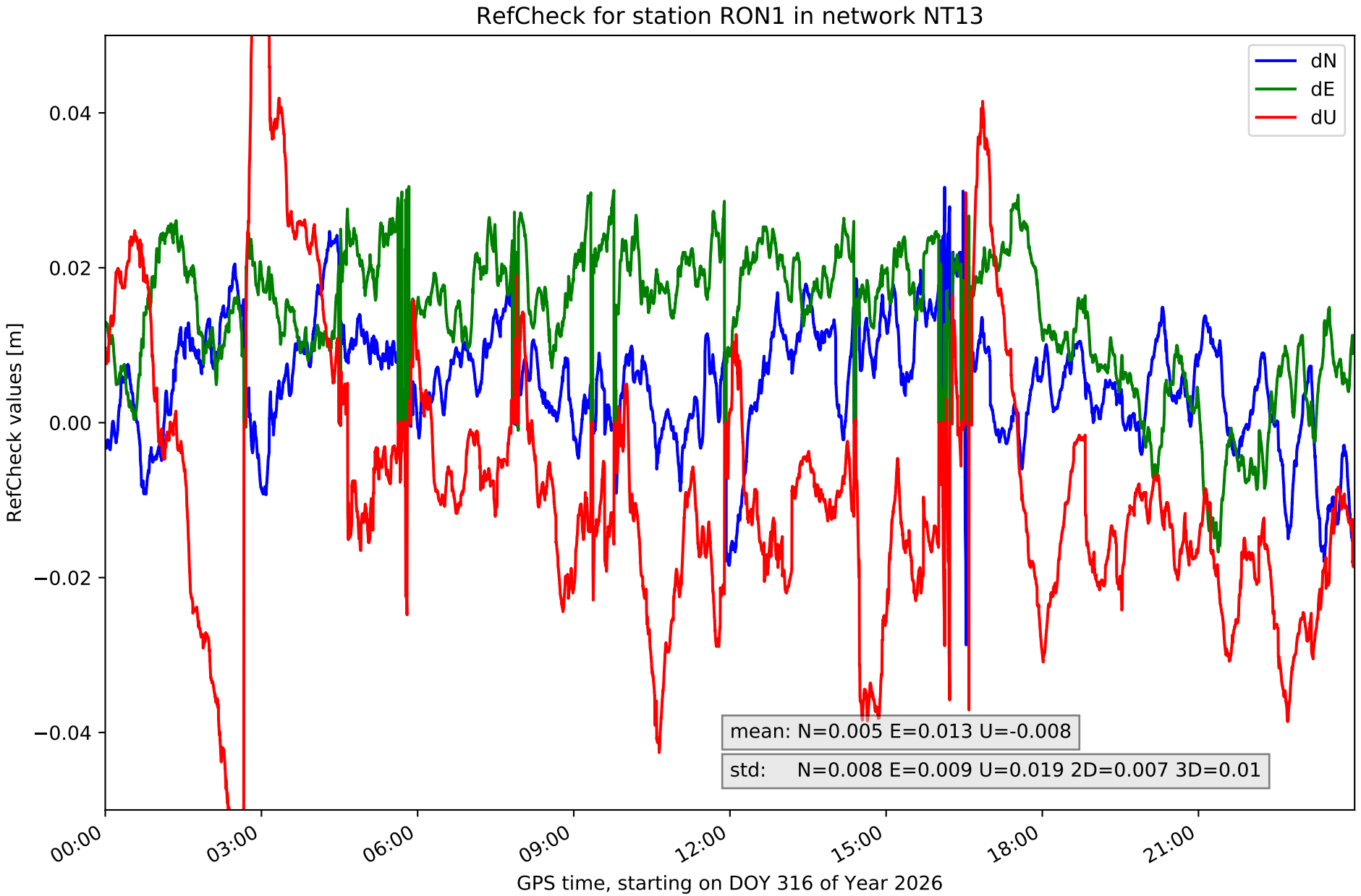

RefCheck for station LEBR in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.004 E=-0.009 U=0.015
std: N=0.009 E=0.008 U=0.022 2D=0.008 3D=0.014
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

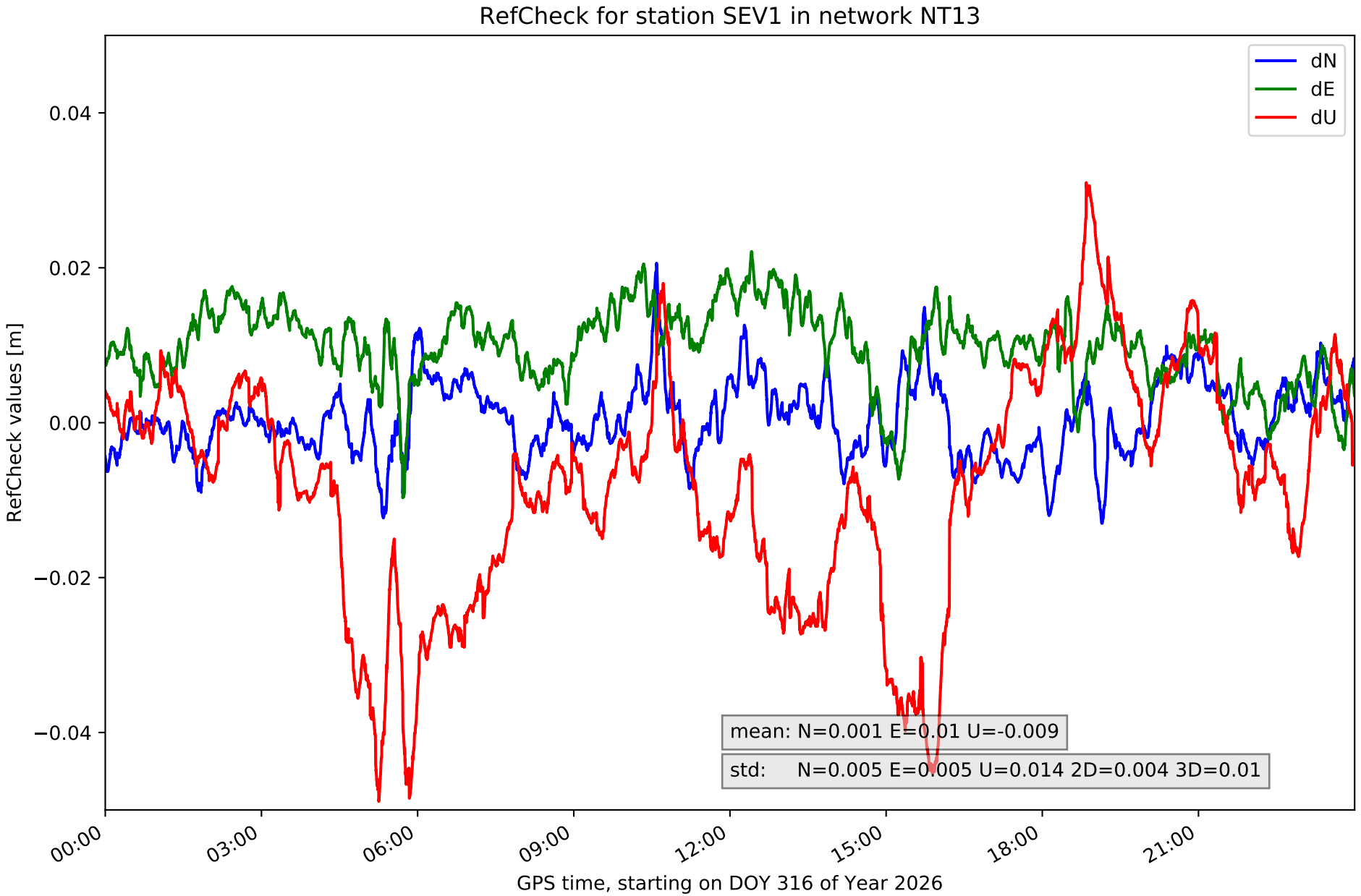

RefCheck for station MALA in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.0 E=0.009 U=-0.0
std: N=0.006 E=0.007 U=0.014 2D=0.006 3D=0.009
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

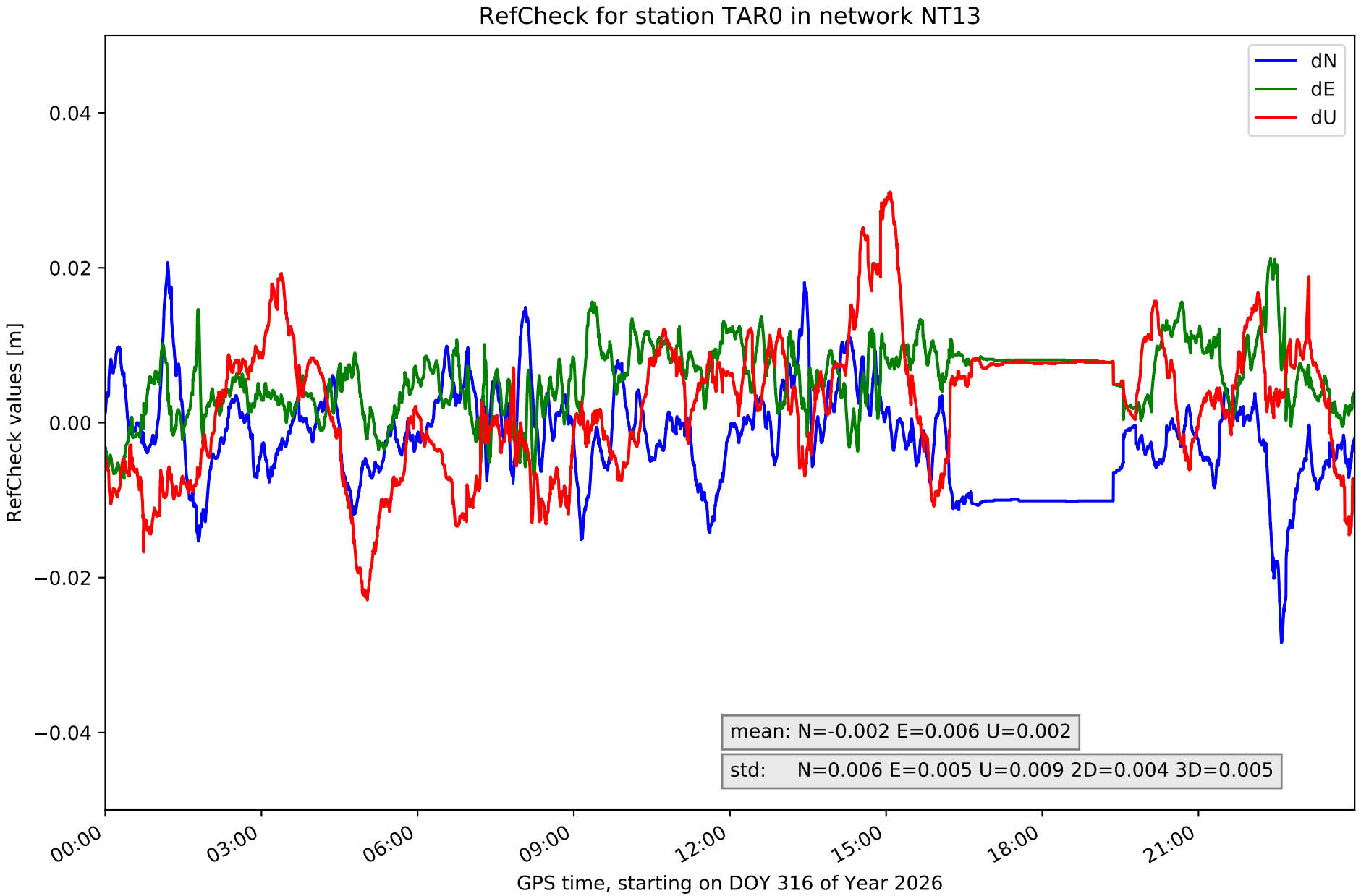

RefCheck for station MOFR in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=0.013 U=-0.001
std: N=0.005 E=0.005 U=0.009 2D=0.005 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

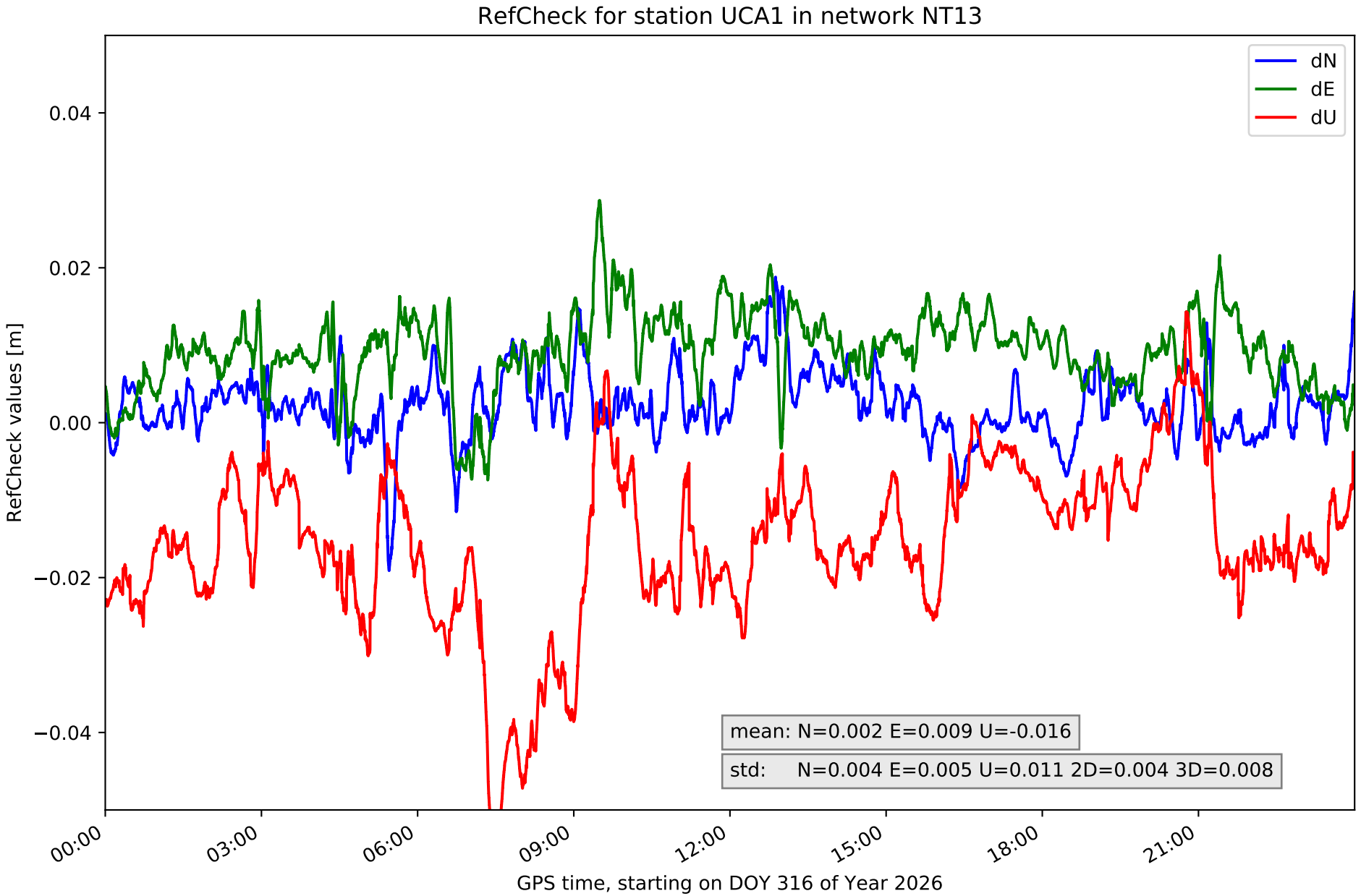

RefCheck for station MOTR in network NT13
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.002 E=0.011 U=-0.006
std: N=0.005 E=0.005 U=0.012 2D=0.005 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026


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=0.002 E=0.013 U=-0.017
std: N=0.005 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 316 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=0.005 E=0.013 U=-0.008
std: N=0.008 E=0.009 U=0.019 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 316 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=0.001 E=0.01 U=-0.009
std: N=0.005 E=0.005 U=0.014 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 316 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=-0.002 E=0.006 U=0.002
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 316 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=0.002 E=0.009 U=-0.016
std: N=0.004 E=0.005 U=0.011 2D=0.004 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 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	-0.02	0.03	0.007	**-0.049**	0.019	0.008	-0.053	0.06	0.016	0.007	0.009	60260	78.1	42770	55.5
AND2	-0.026	0.013	0.006	-0.01	0.03	0.006	-0.029	0.042	0.01	0.005	0.006	**69679**	**90.4**	45953	59.6
ARAC	-0.01	0.012	0.004	-0.001	0.026	0.005	-0.035	0.01	0.01	0.005	0.008	67399	87.4	43856	56.9
CABR	-0.02	0.019	0.006	-0.014	0.022	0.006	-0.038	0.025	0.011	0.005	0.006	51526	66.8	12799	16.6
CAZA	-0.013	0.009	0.004	0.002	0.023	0.004	-0.03	0.013	0.009	0.004	0.006	58854	76.3	28855	37.4
CEU1	-0.013	0.015	0.005	-0.026	0.013	0.007	-0.06	0.024	0.014	0.005	0.007	37105	48.1	21132	27.4
CRDB	-0.009	0.016	0.004	-0.0	0.028	0.005	-0.044	0.032	0.012	0.005	0.008	63100	81.8	42652	55.3
HUEL	-0.016	0.023	0.006	-0.025	**0.037**	0.007	-0.06	**0.064**	0.018	0.005	0.009	65749	85.3	50908	66.0
LEBR	**-0.038**	**0.034**	**0.009**	-0.041	0.03	0.008	**-0.061**	0.06	**0.022**	**0.008**	**0.014**	48867	63.4	54709	71.0
MALA	-0.024	0.023	0.006	-0.017	0.029	0.007	-0.06	0.03	0.014	0.006	0.009	48409	62.8	24395	31.6
MOFR	-0.009	0.025	0.005	-0.002	0.025	0.005	-0.025	0.023	0.009	0.005	0.005	60817	78.9	18733	24.3
MOTR	-0.015	0.013	0.005	-0.002	0.025	0.005	-0.03	0.035	0.012	0.005	0.005	49815	64.6	23676	30.7
OSUN	-0.011	0.02	0.005	-0.005	0.026	0.005	-0.06	0.009	0.013	0.004	0.01	64987	84.3	44806	58.1
RON1	-0.029	0.03	0.008	-0.017	0.03	**0.009**	-0.06	0.059	0.019	0.007	0.01	61669	80.0	**58270**	**75.6**
SEV1	-0.013	0.021	0.005	-0.01	0.022	0.005	-0.049	0.031	0.014	0.004	0.01	48969	63.5	25754	33.4
TAR0	-0.028	0.021	0.006	-0.007	0.021	0.005	-0.023	0.03	0.009	0.004	0.005	28628	37.1	5636	7.3
UCA1	-0.019	0.019	0.004	-0.007	0.029	0.005	-0.057	0.014	0.011	0.004	0.008	41658	54.0	36587	47.4
Mean	**-0.018**	**0.02**	**0.006**	**-0.014**	**0.026**	**0.006**	**-0.046**	**0.033**	**0.013**	**0.005**	**0.008**	**54558.3**	**70.8**	**34205.4**	**44.4**
Min/Max	**-0.038**	**0.034**	**0.009**	**-0.049**	**0.037**	**0.009**	**-0.061**	**0.064**	**0.022**	**0.008**	**0.014**	**69679**	**90.4**	**58270**	**75.6**

fixing statistic for network NT13

fixing percentage of	all GNSS	G	R	E	C
using threshold 0.3	87.4	92.9	88.5	93.9	59.6
considering satellites with dual-frequency fixed	86.0	86.5	83.5	88.8	78.2
considering all signals separately	86.7	87.2	83.5	89.3	77.3