summary for network NT12

timeperiod chosen: from 2026-10-31-00:00:00 until 2026-10-31-23:59:58

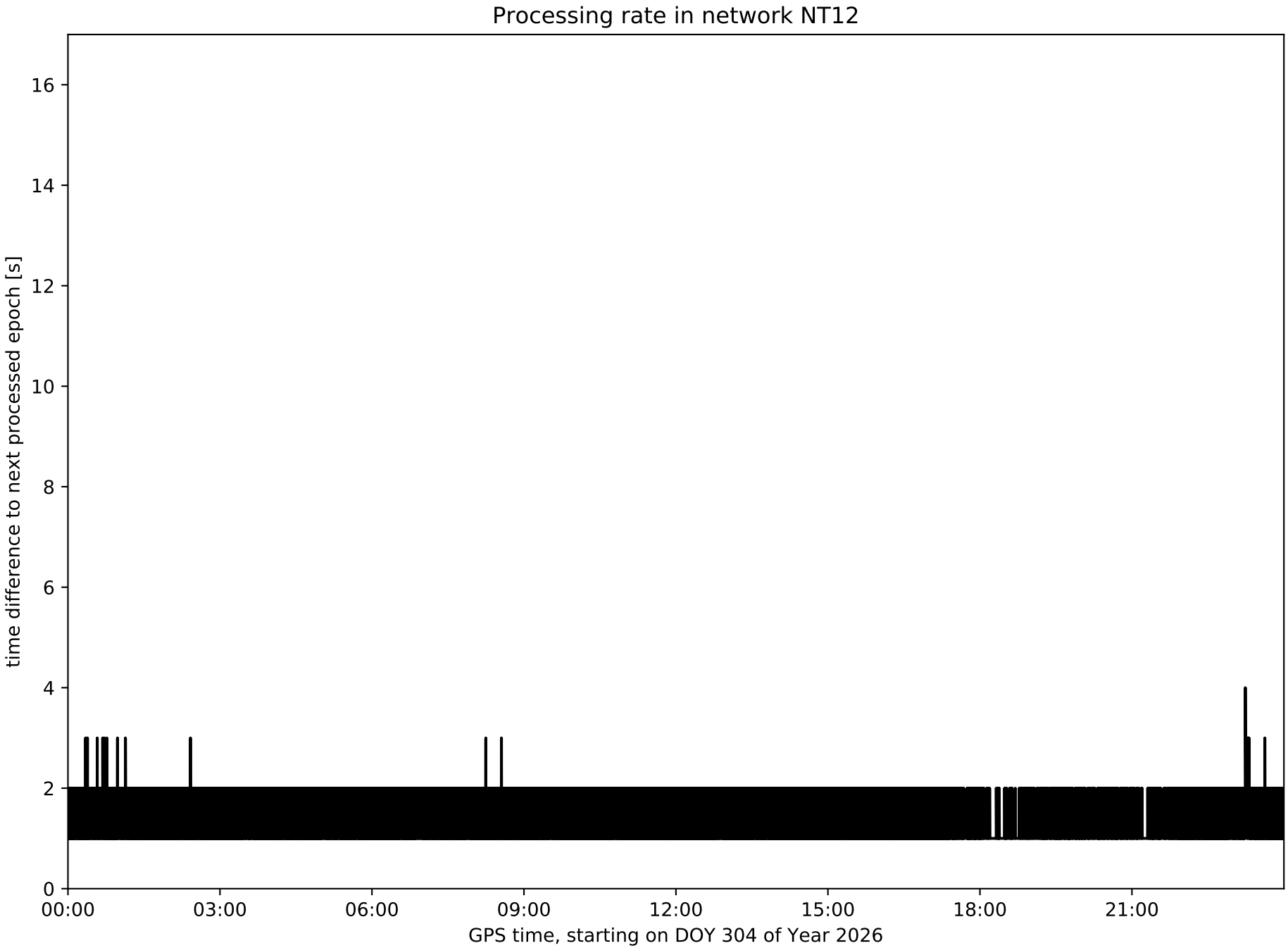
average update rate (durations larger than 15 seconds considered as observation gap): 1.1 seconds

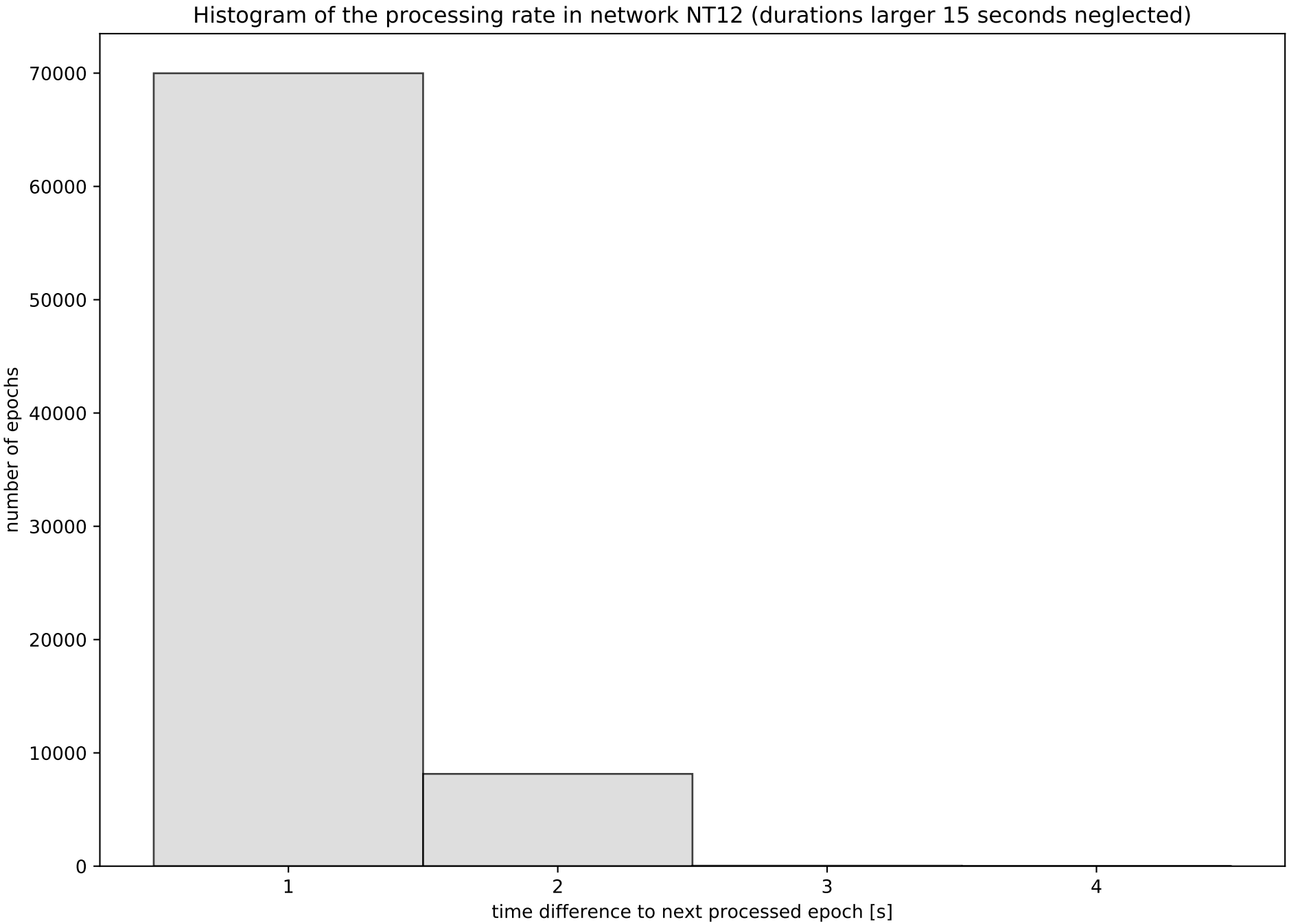
average fixing percentage with threshold set to 0.3: 93.7 percent

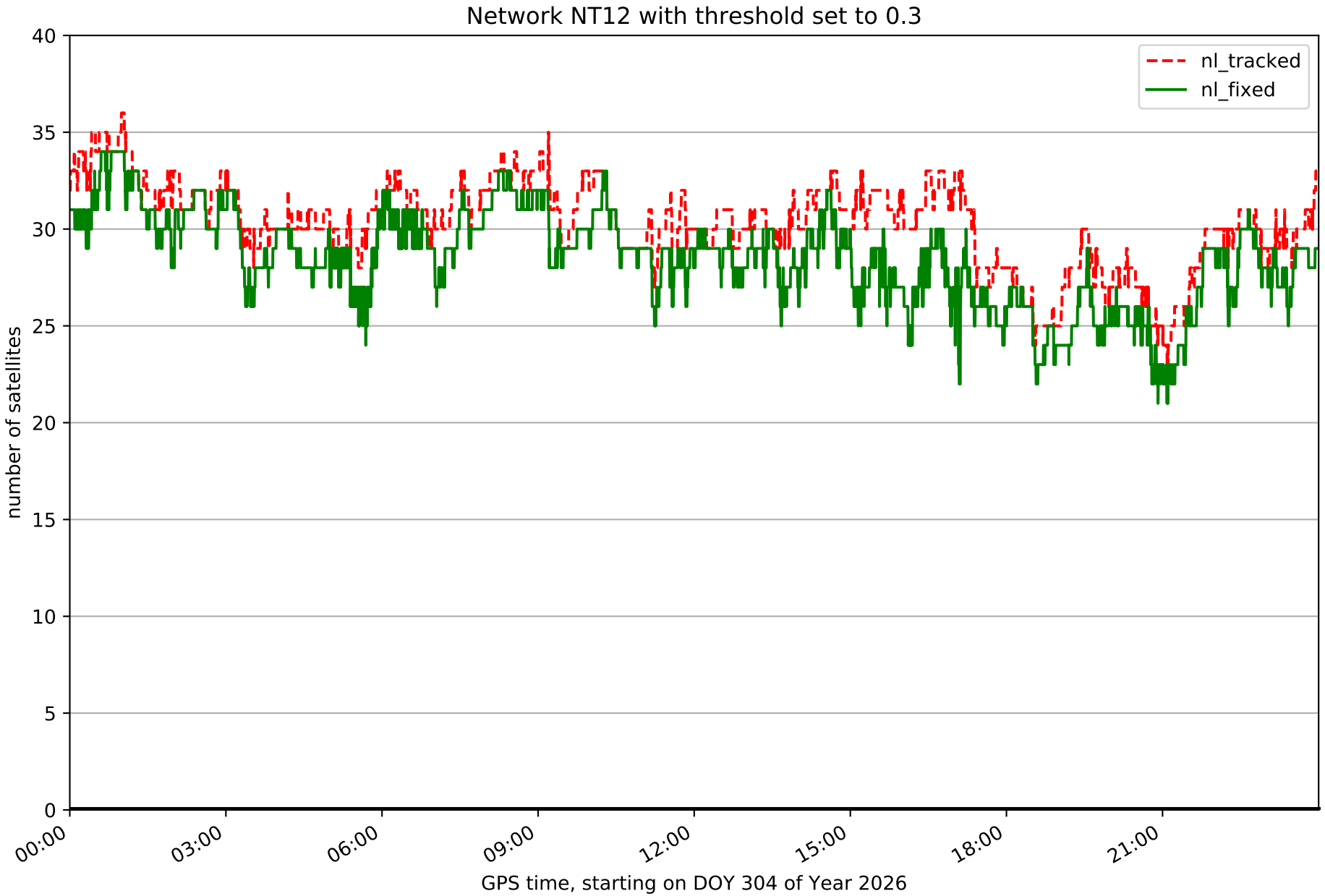
stations available: 17 of 17

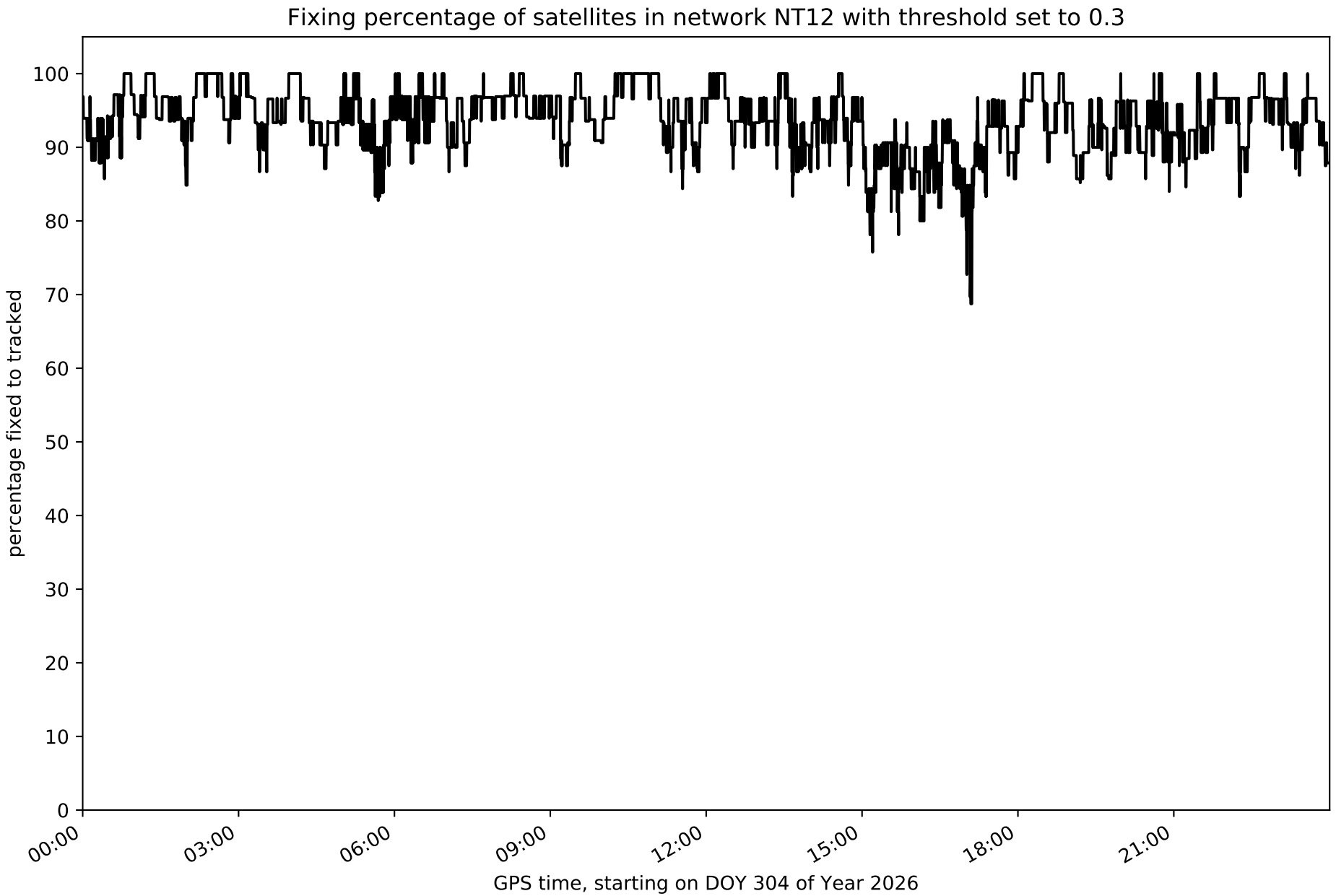
station information:

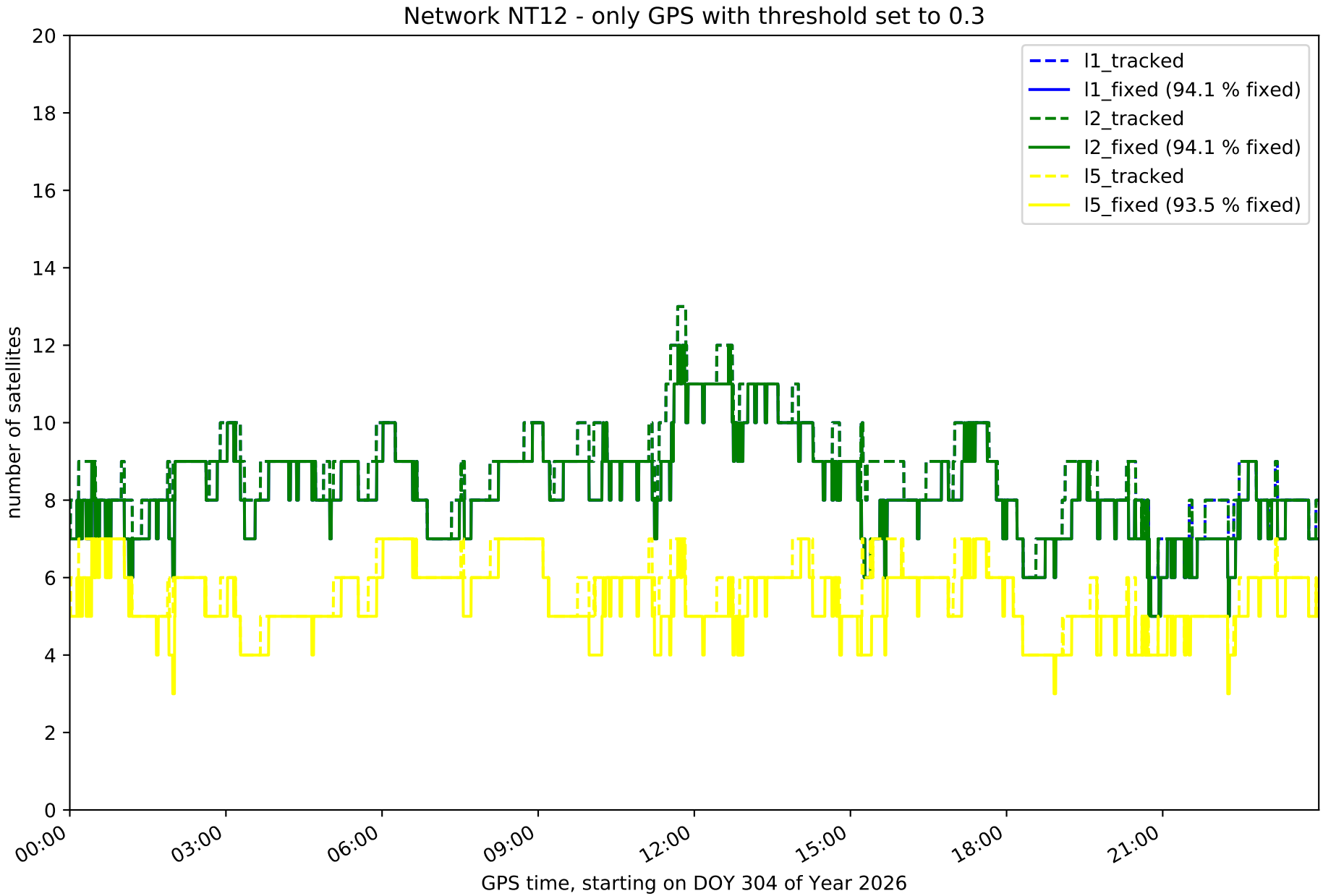
station ALME:	antenna: TRM29659.00	NONE	receiver: TRIMBLE NETR9	height: 130.531
station CAAL:	antenna: LEIAR10	NONE	receiver: LEICA GR25	height: 2210.78
station CABP:	antenna: LEIAR20	LEIM	receiver: LEICA GR50	height: 57.437
station CARG:	antenna: LEIAR20	LEIM	receiver: LEICA GR50	height: 57.37
station CARV:	antenna: LEIAR25.R3	LEIT	receiver: LEICA GR50	height: 902.401
station CDCR:	antenna: LEIAR20	LEIM	receiver: LEICA GR50	height: 1331.713
station CIEZ:	antenna: LEIAT504GG	LEIS	receiver: LEICA GR30	height: 328.354
station EJID:	antenna: GPPNULLANTENNA	NONE	receiver: LEICA GR50	height: 155.004
station ESPU:	antenna: LEIAT504GG	LEIS	receiver: LEICA GR10	height: 1615.085
station GRA1:	antenna: LEIAT504_____	LEIS	receiver: LEICA GR50	height: 823.252
station HUOV:	antenna: GPPNULLANTENNA	NONE	receiver: LEICA GR50	height: 352.188
station MAZA:	antenna: LEIAR25	LEIT	receiver: LEICA GR30	height: 105.111
station MUL1:	antenna: LEIAR25	LEIT	receiver: LEICA GR30	height: 332.108
station MURC:	antenna: LEIAR20	LEIM	receiver: LEICA GR50	height: 125.202
station PALC:	antenna: GPPNULLANTENNA	NONE	receiver: LEICA GR50	height: 916.942
station UJAE:	antenna: GPPNULLANTENNA	NONE	receiver: LEICA GR50	height: 527.761
station VICA:	antenna: LEIAR20	LEIM	receiver: LEICA GR25	height: 852.494

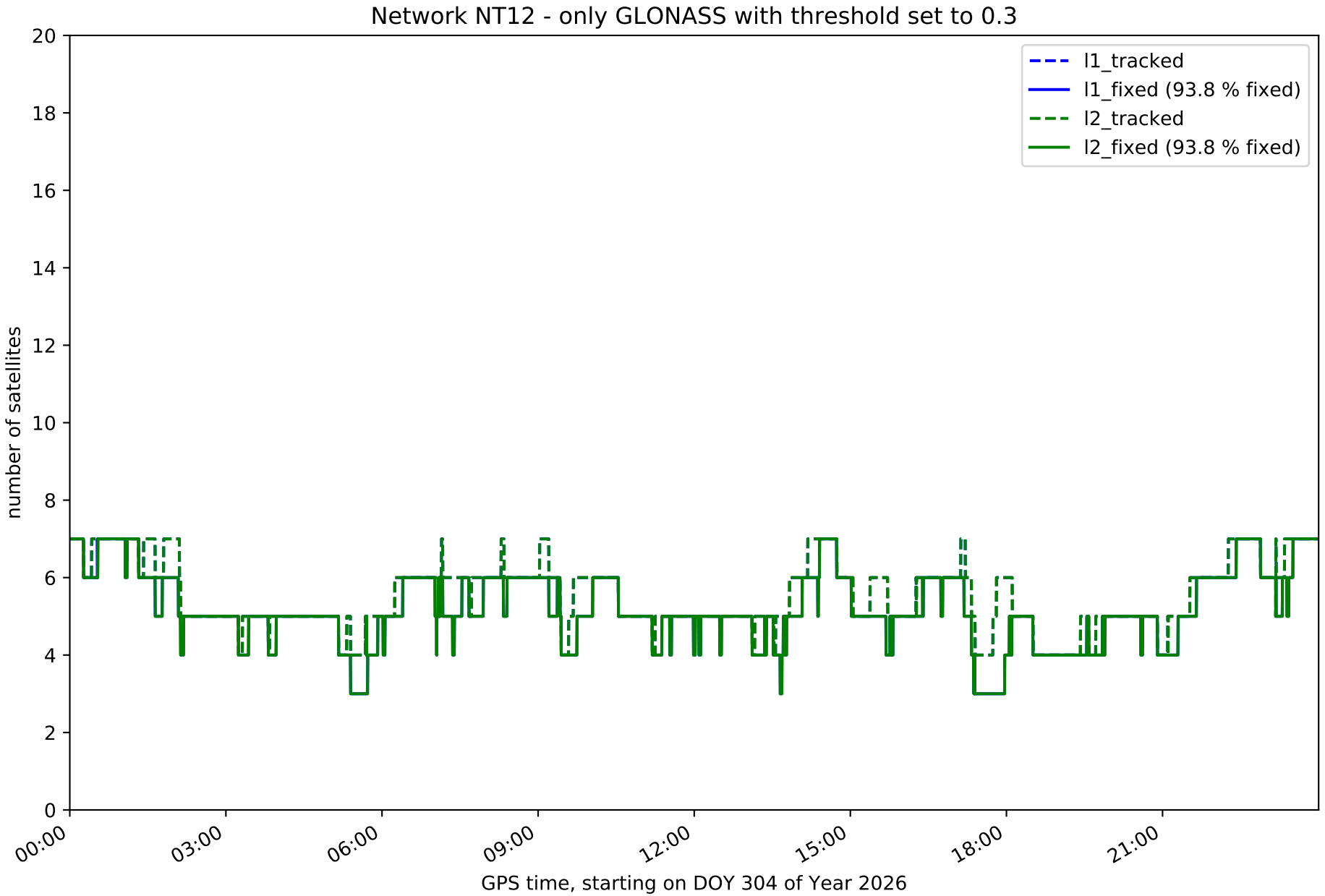

Processing rate in network NT12
time difference to next processed epoch [s]
0
2
4
6
8
10
12
14
16
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 304 of Year 2026

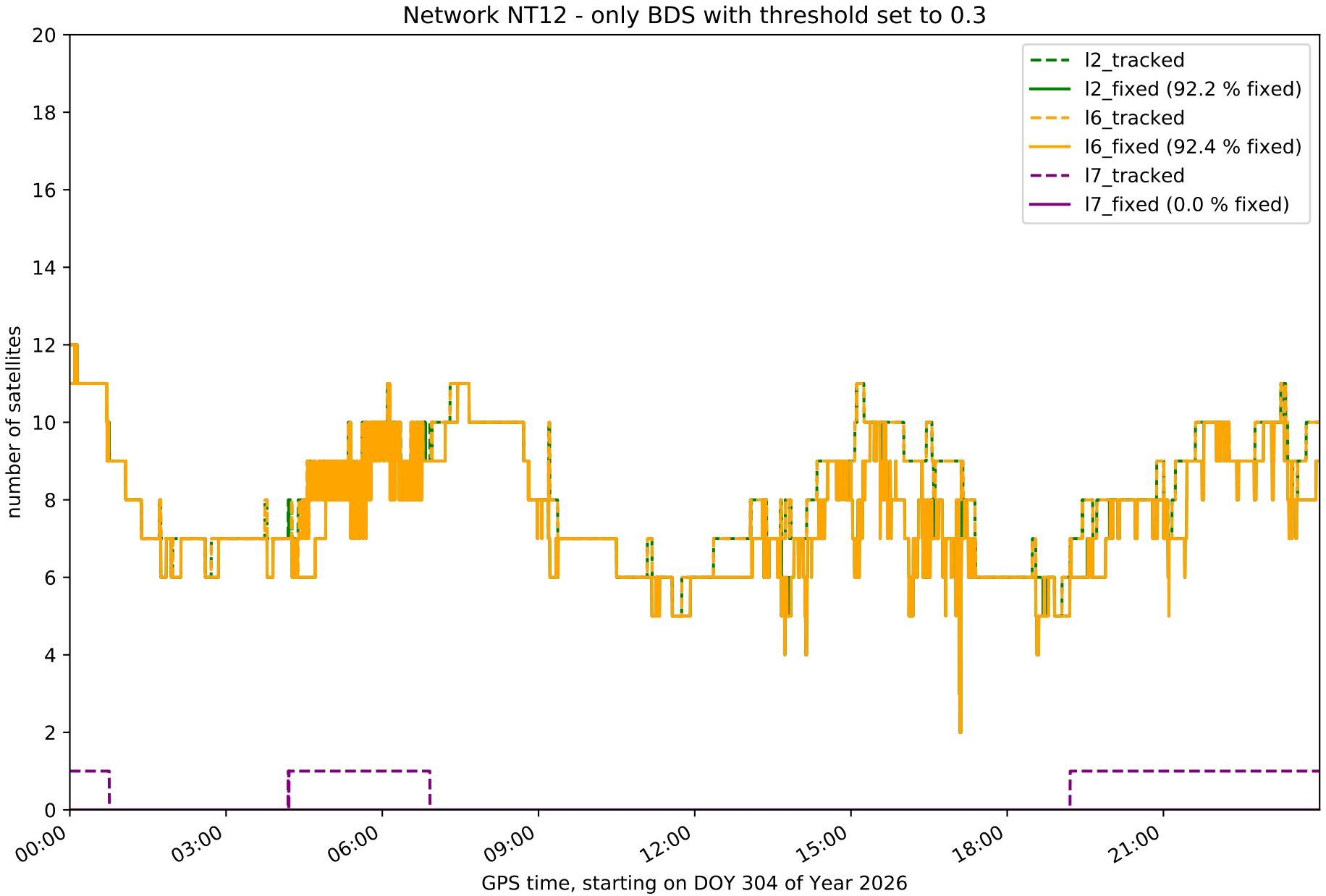

Histogram of the processing rate in network NT12 (durations larger 15 seconds neglected)
number of epochs
70000
60000
50000
40000
30000
20000
10000
0
1
2
3
4
time difference to next processed epoch [s]

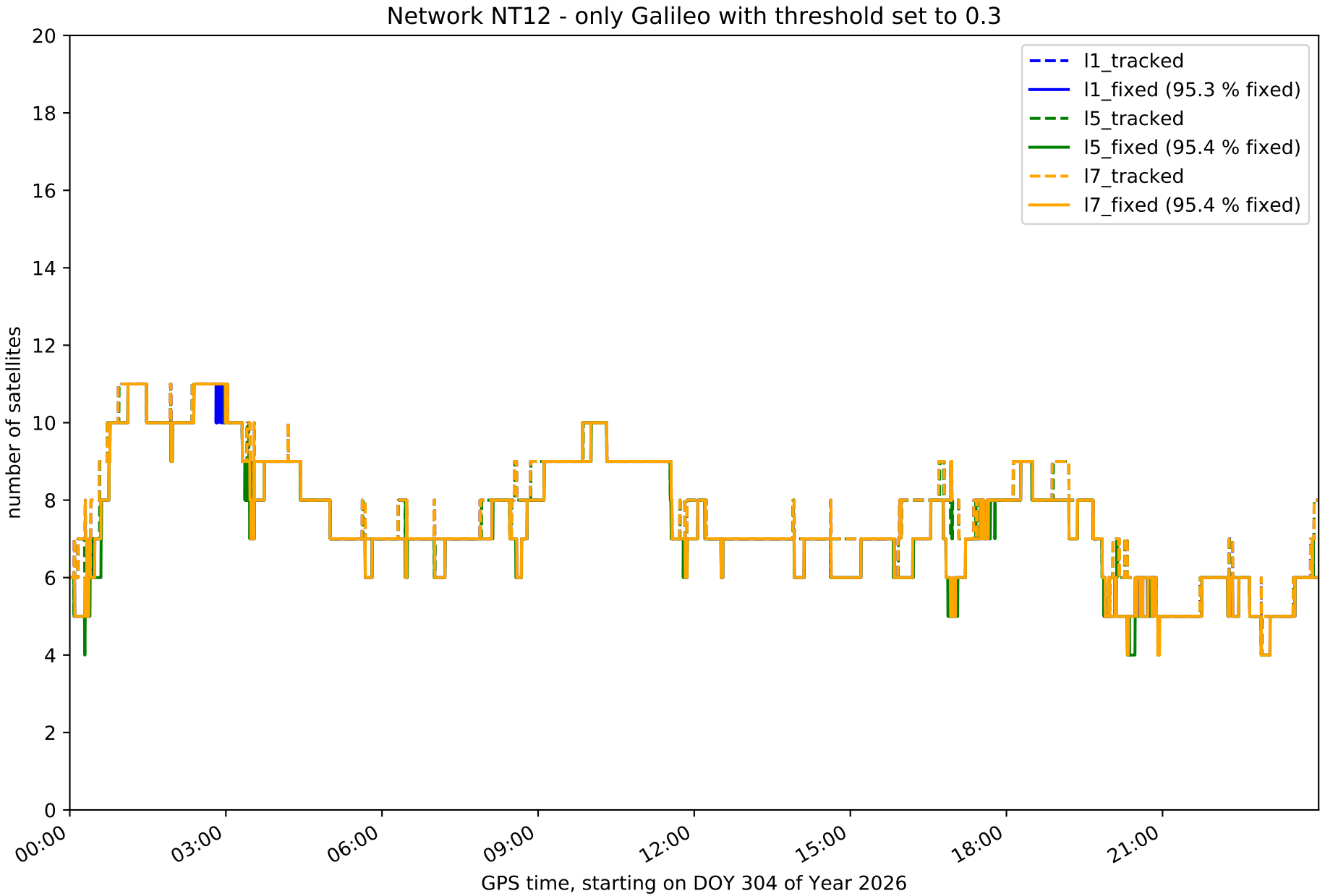

Network NT12 with threshold set to 0.3
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
40
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 304 of Year 2026

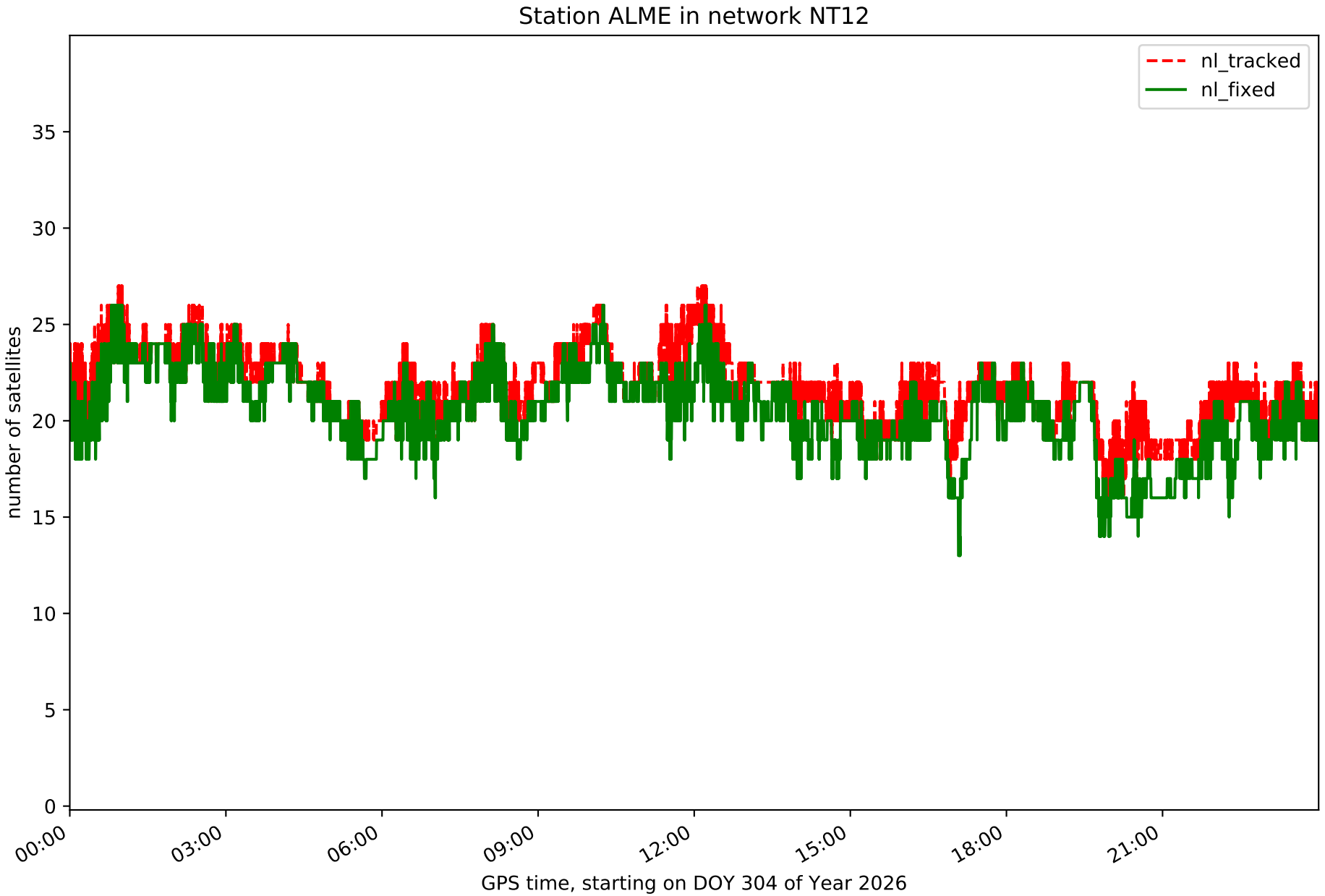

Fixing percentage of satellites in network NT12 with threshold set to 0.3
percentage fixed to tracked
100
90
80
70
60
50
40
30
20
10
0
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 304 of Year 2026

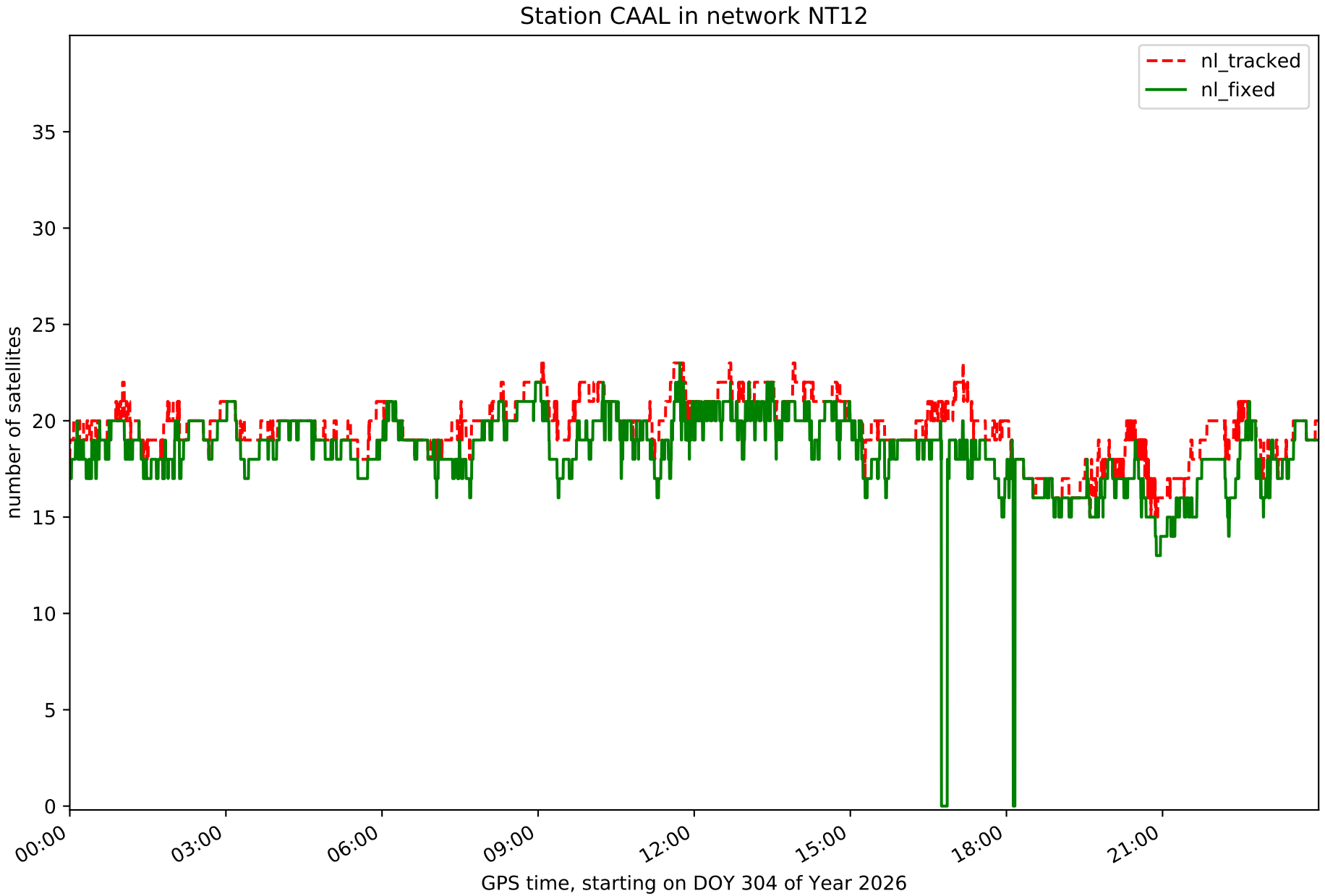

Network NT12 - only GPS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 304 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
l1_tracked
l1_fixed (94.1 % fixed)
l2_tracked
l2_fixed (94.1 % fixed)
l5_tracked
l5_fixed (93.5 % fixed)

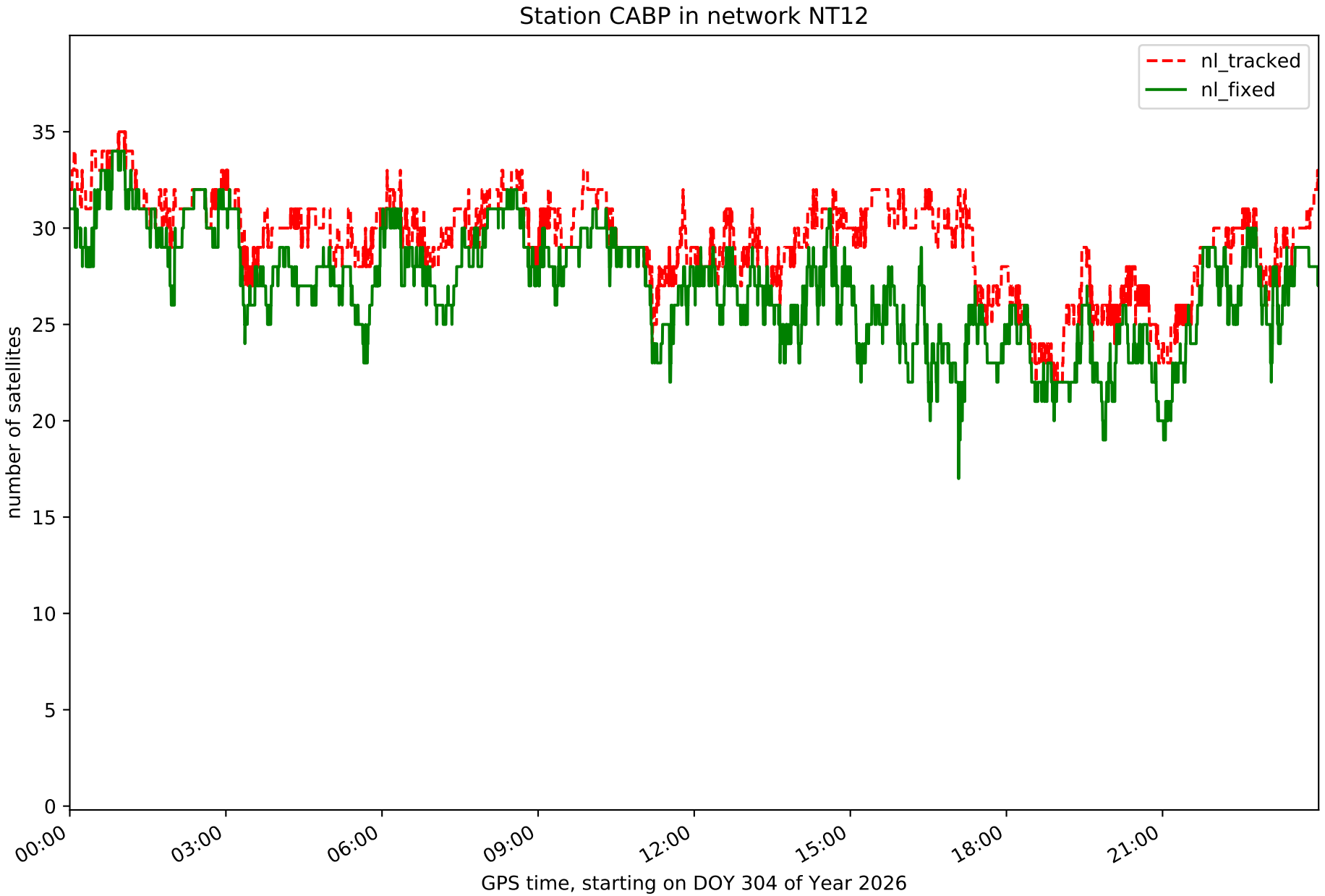

Network NT12 - only GLONASS with threshold set to 0.3
l1_tracked
l1_fixed (93.8 % fixed)
l2_tracked
l2_fixed (93.8 % fixed)
number of satellites
0
2
4
6
8
10
12
14
16
18
20
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 304 of Year 2026

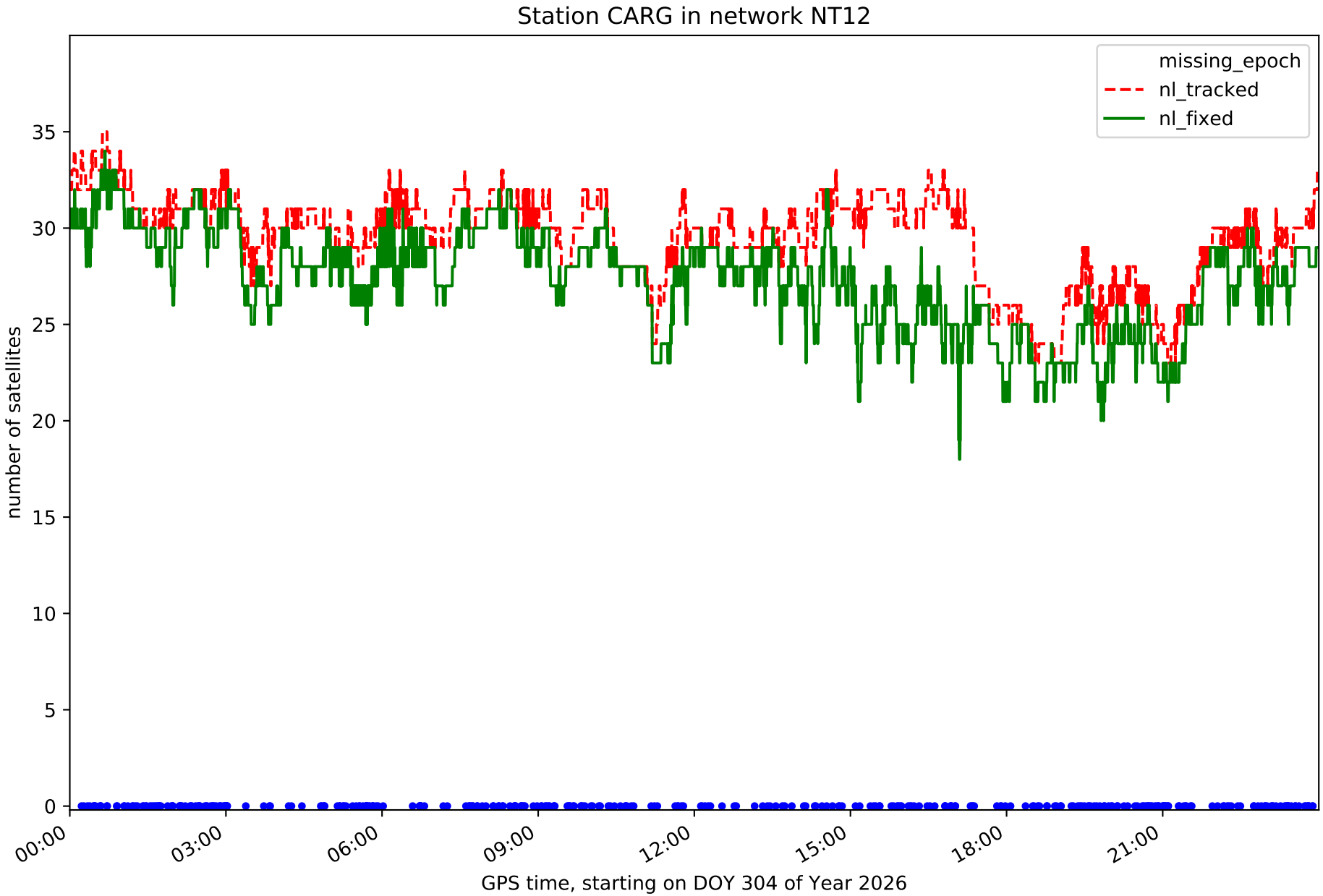

Network NT12 - only BDS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 304 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
I2_tracked
I2_fixed (92.2 % fixed)
I6_tracked
I6_fixed (92.4 % fixed)
I7_tracked
I7_fixed (0.0 % fixed)

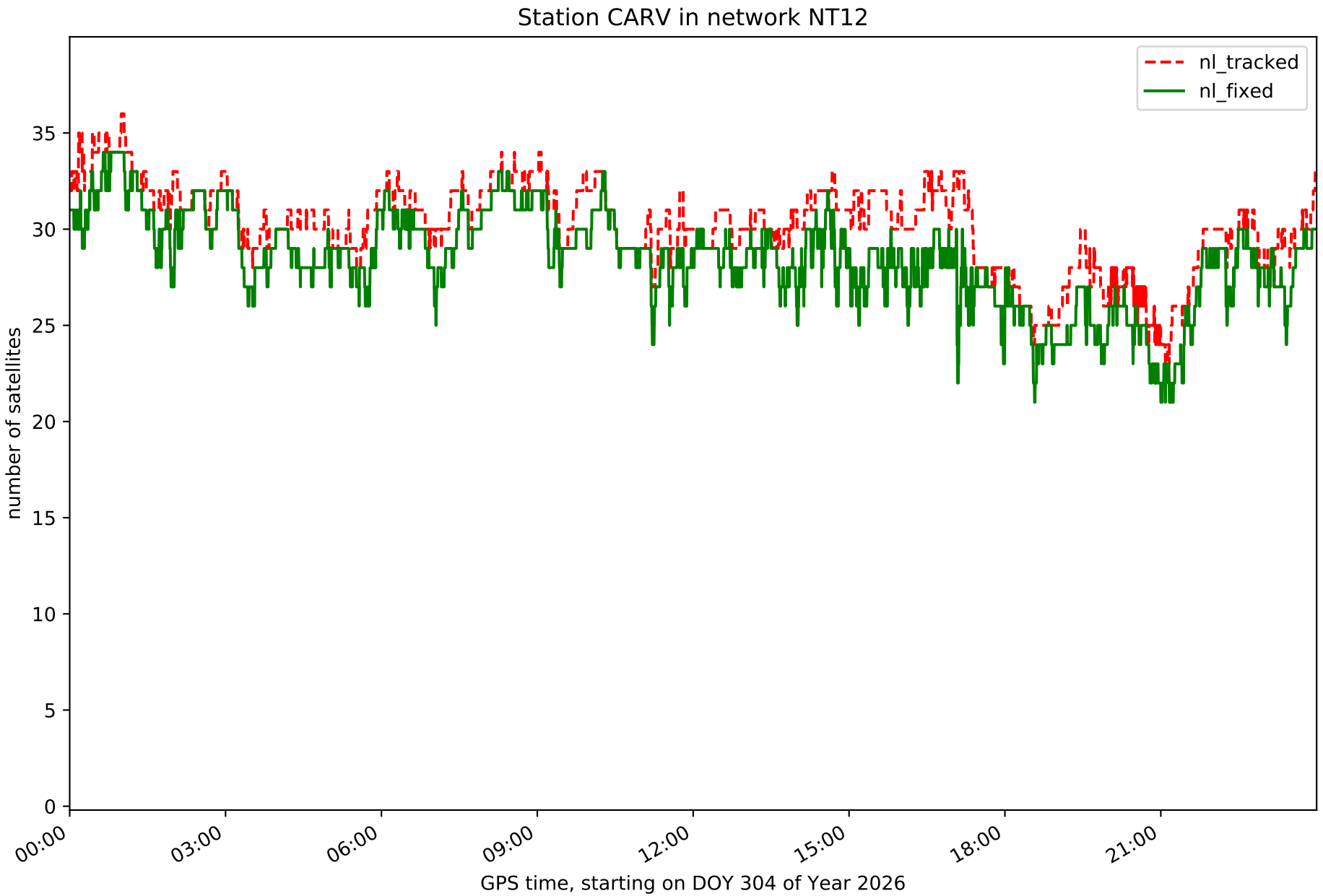

Network NT12 - only Galileo with threshold set to 0.3
number of satellites
GPS time, starting on DOY 304 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
l1_tracked
l1_fixed (95.3 % fixed)
l5_tracked
l5_fixed (95.4 % fixed)
l7_tracked
l7_fixed (95.4 % fixed)

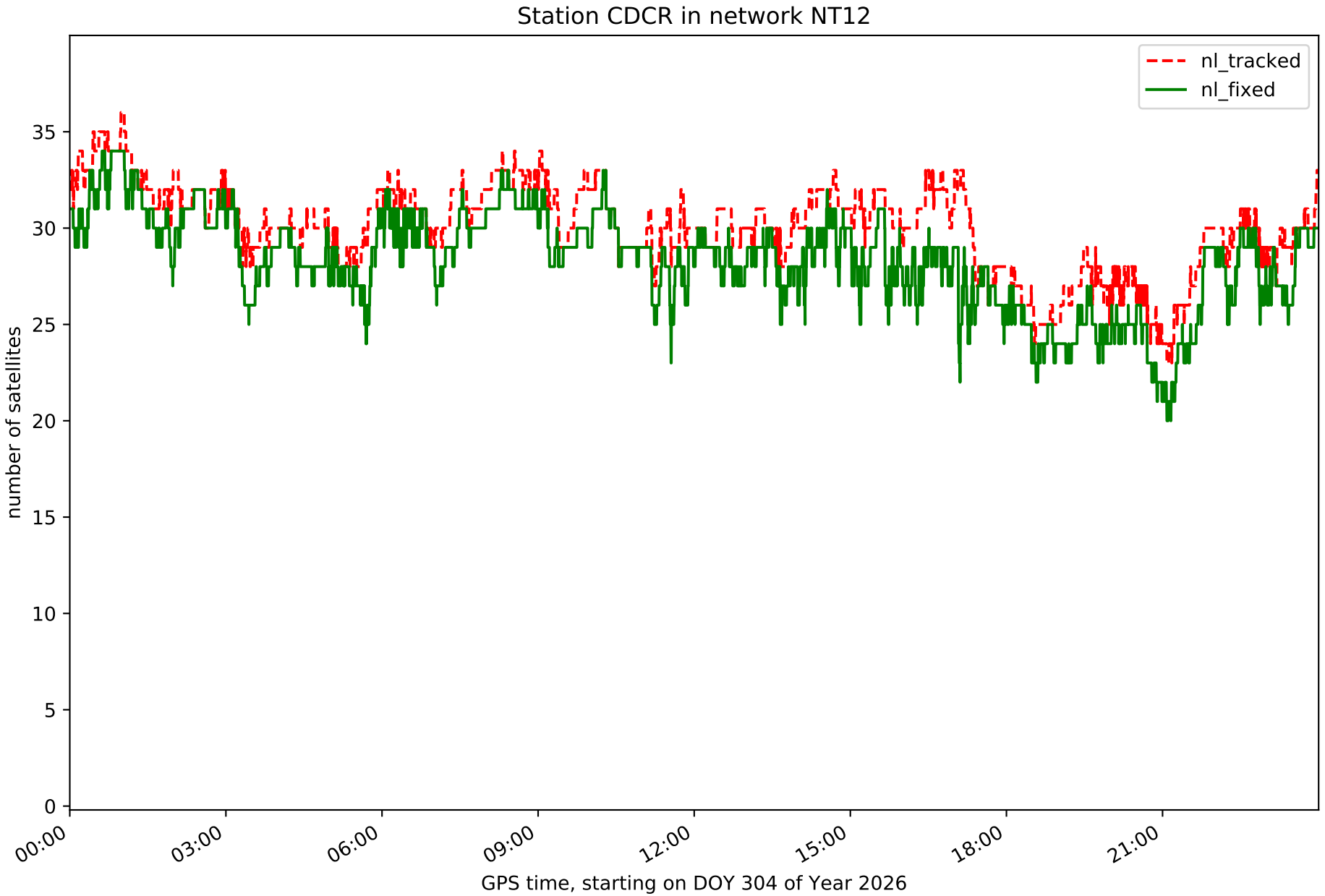

Station ALME in network NT12
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 304 of Year 2026

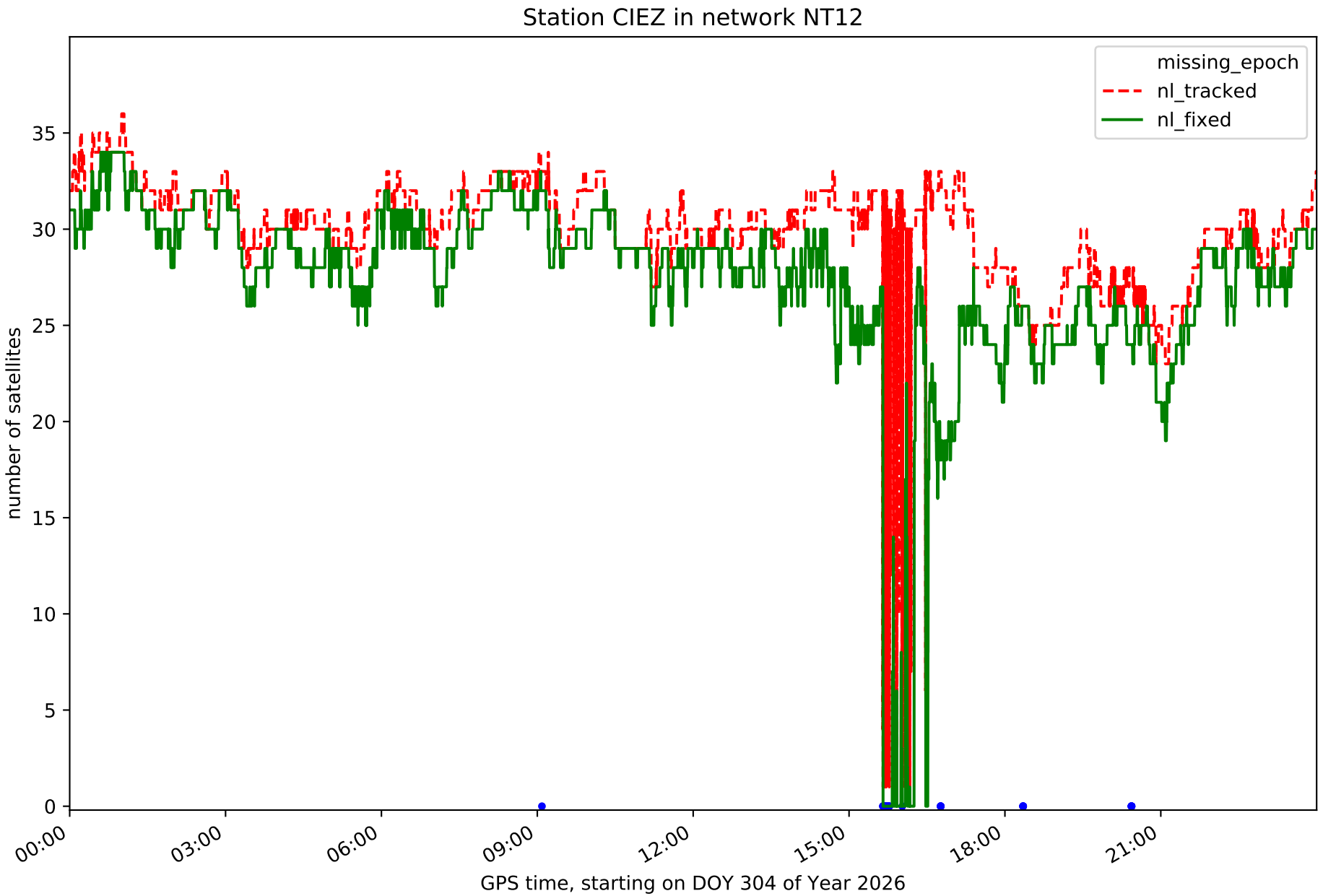

Station CAAL in network NT12
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 304 of Year 2026

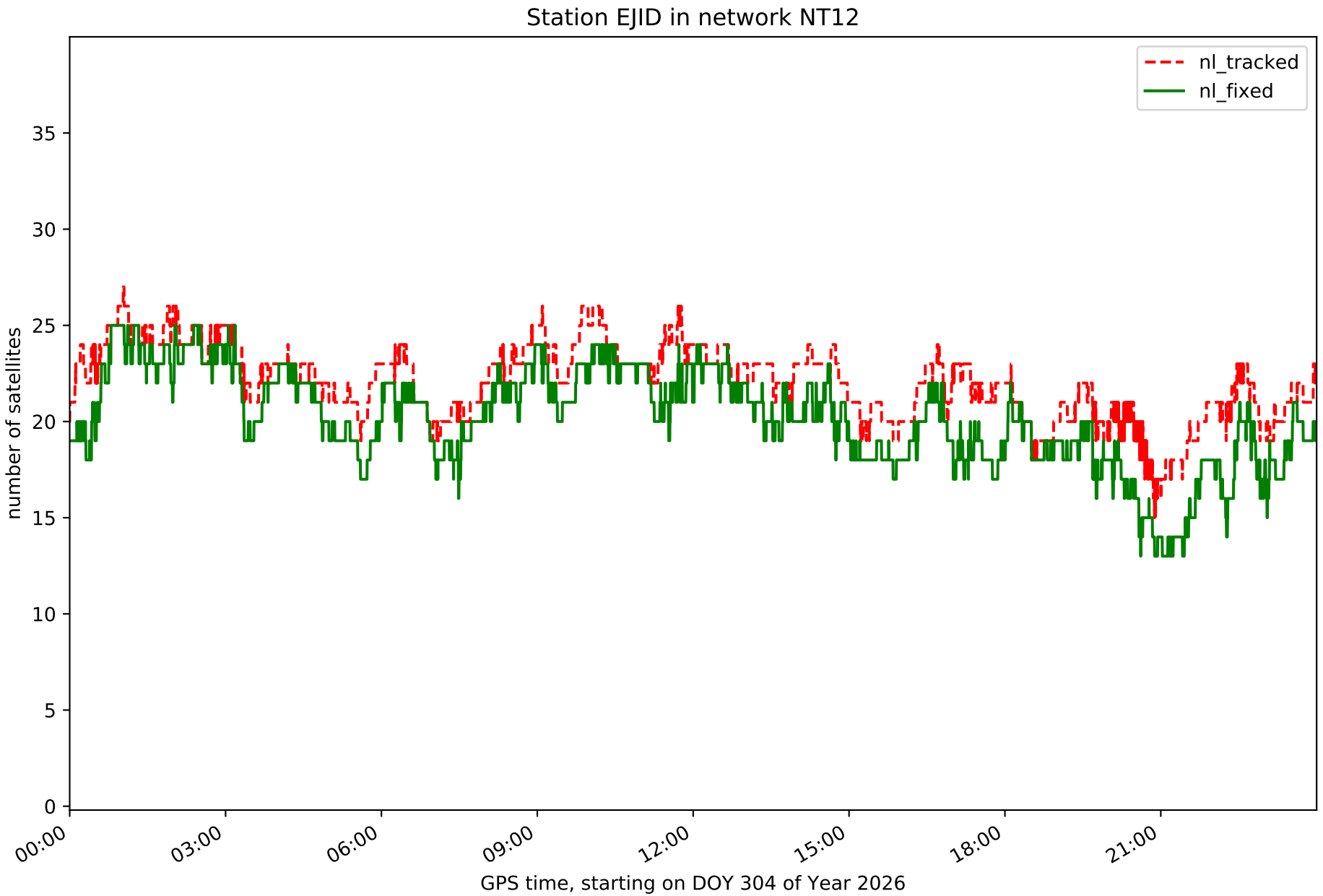

Station CABP in network NT12
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 304 of Year 2026

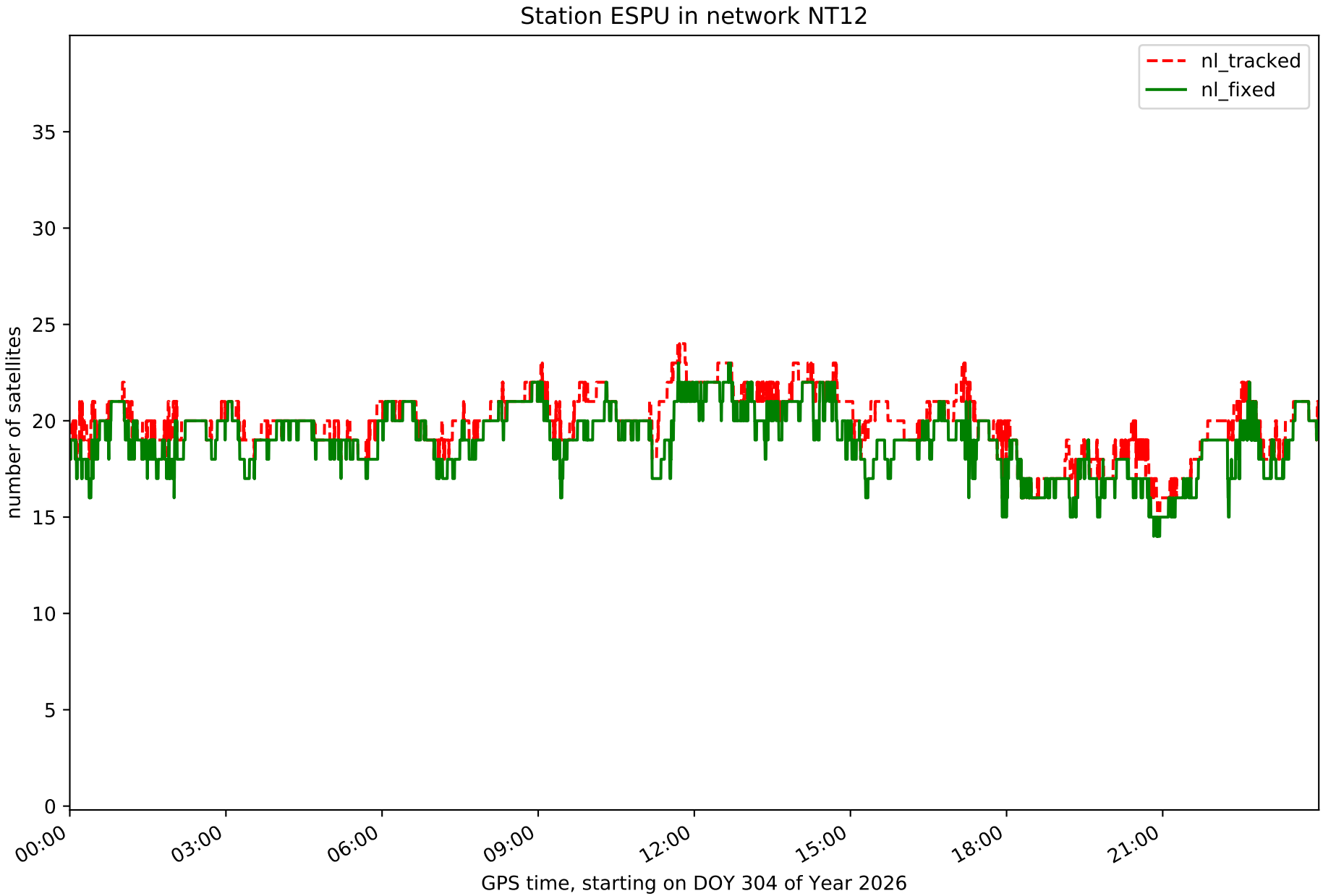

Station CARG in network NT12
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 304 of Year 2026

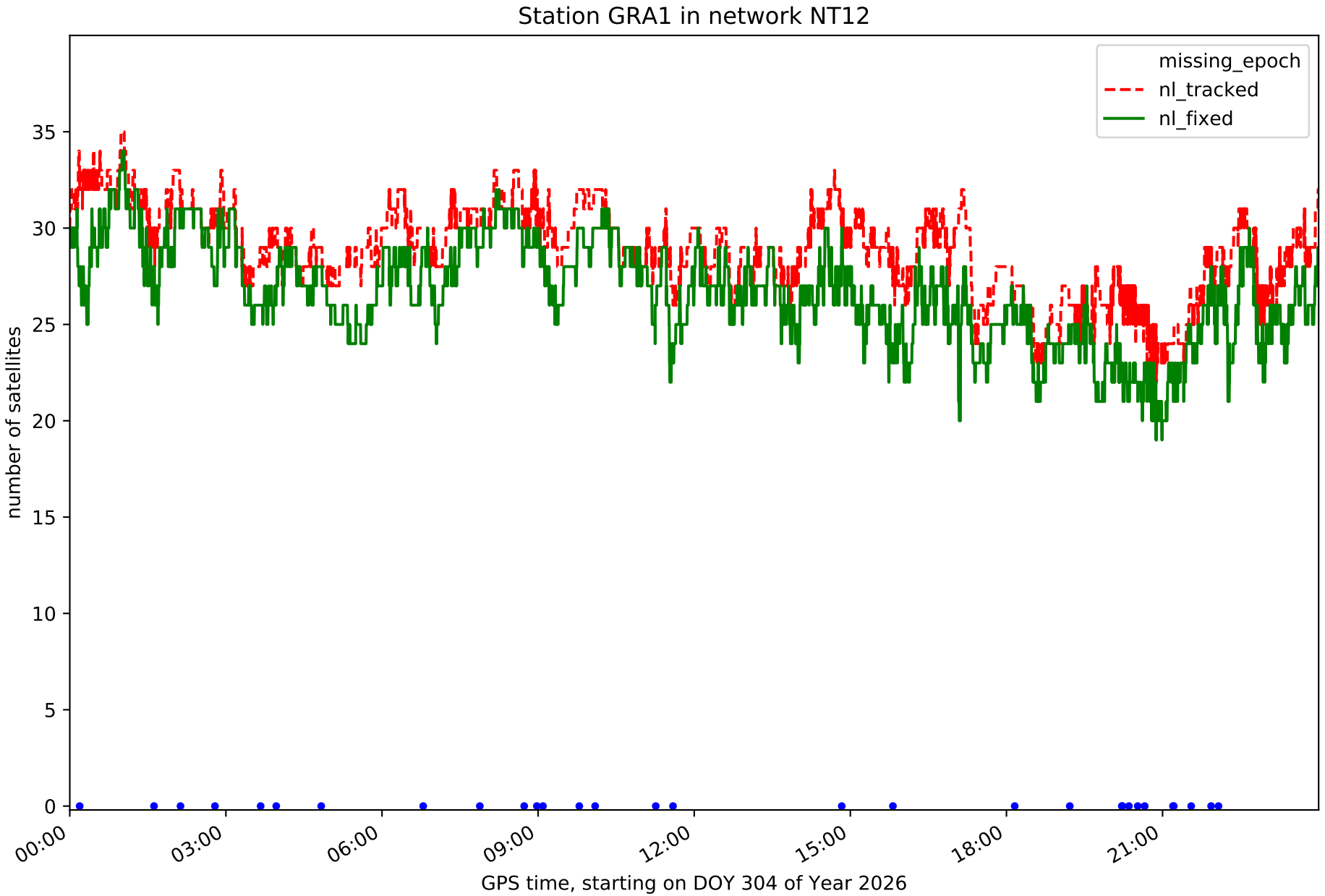

Station CARV in network NT12
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 304 of Year 2026

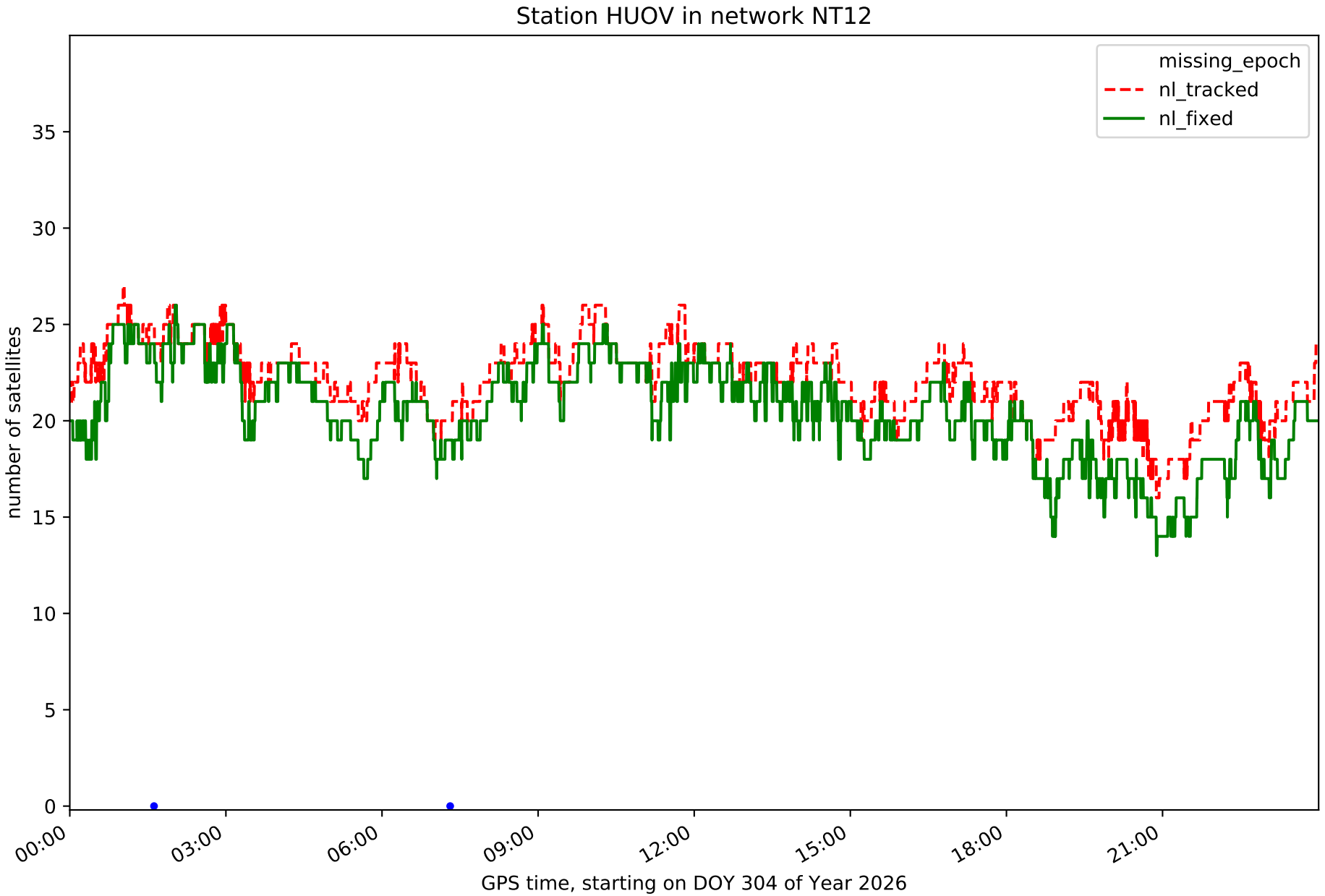

Station CDCR in network NT12
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 304 of Year 2026

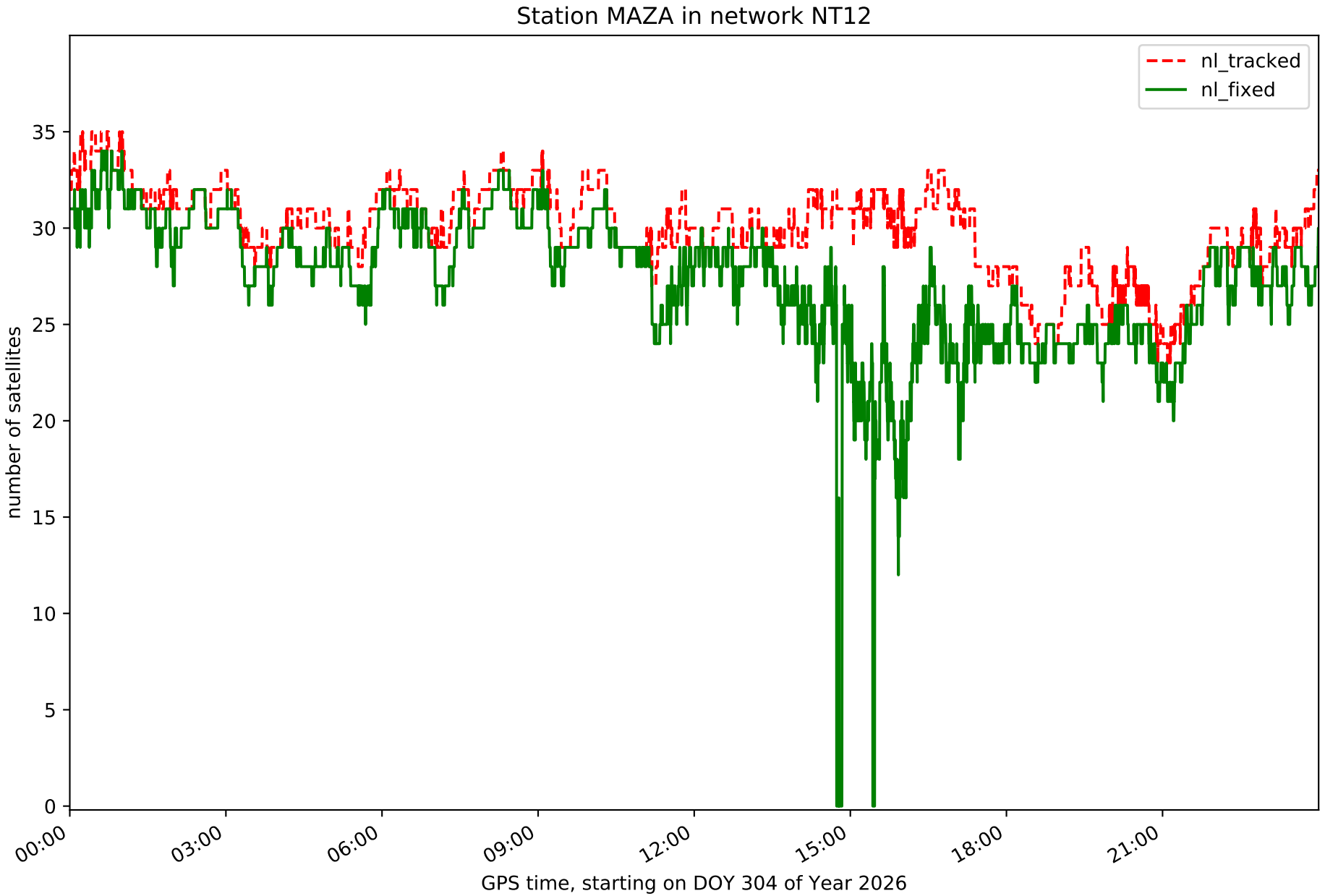

Station CIEZ in network NT12
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 304 of Year 2026

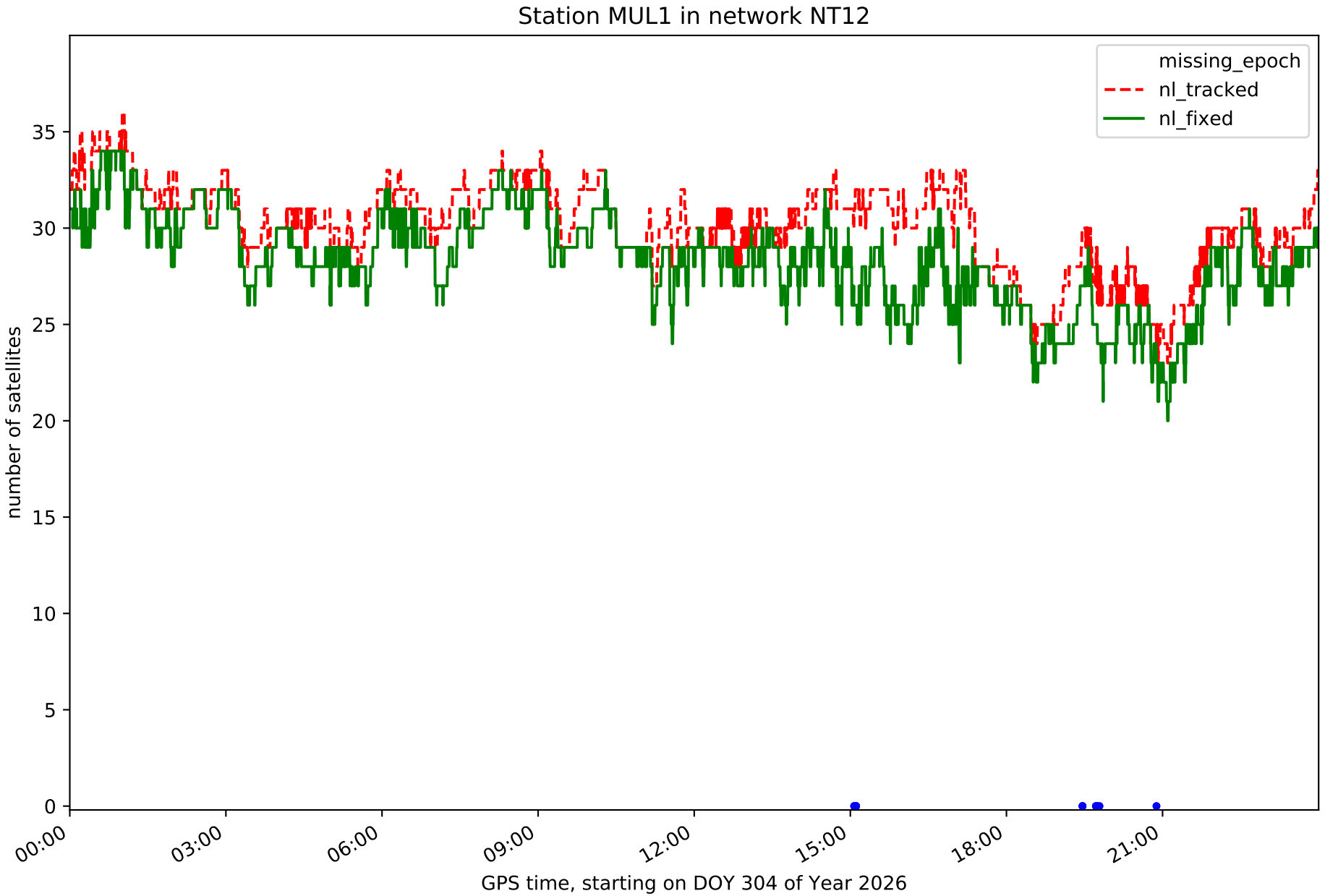

Station EJID in network NT12
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 304 of Year 2026

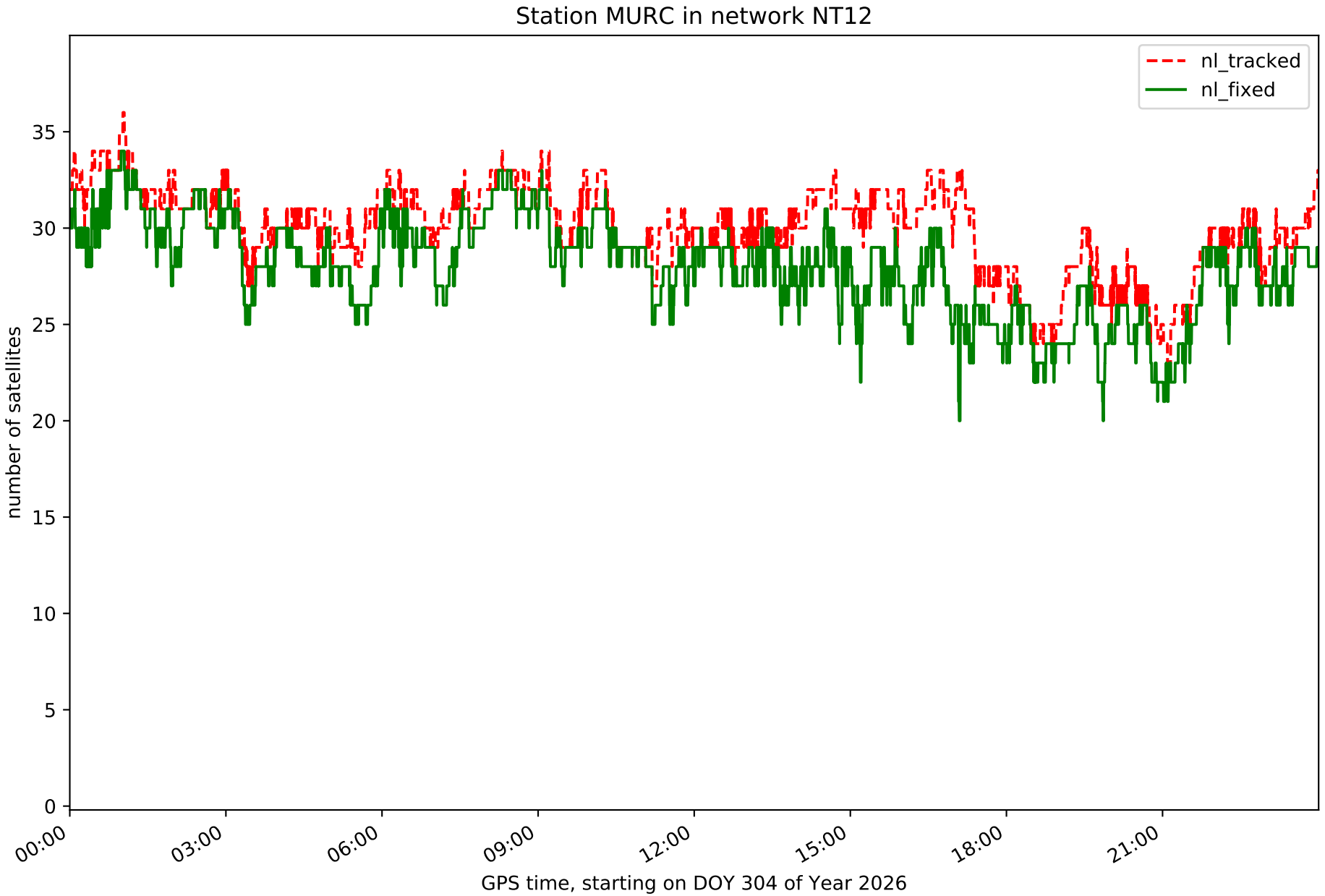

Station ESPU in network NT12
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 304 of Year 2026

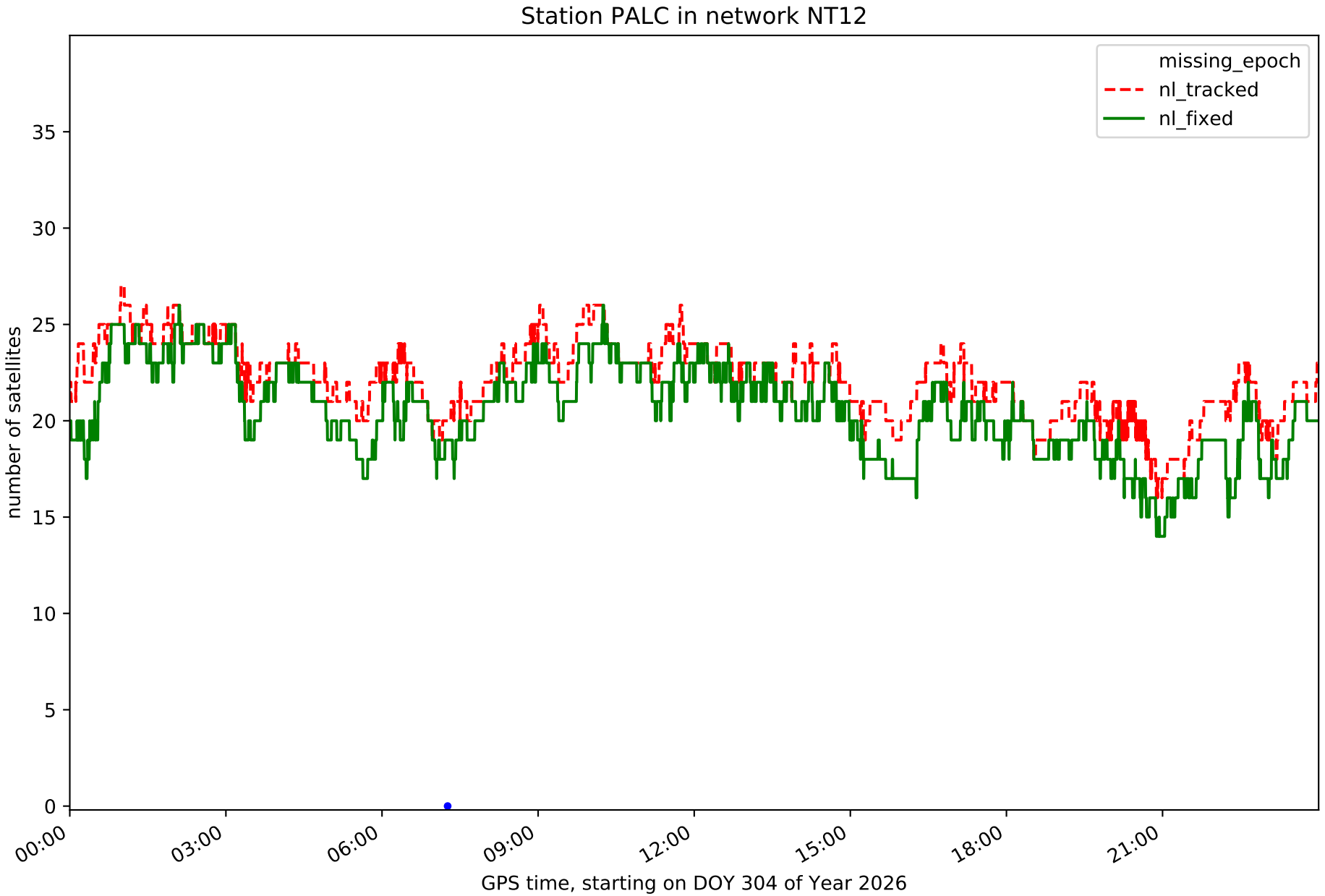

Station GRA1 in network NT12
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 304 of Year 2026

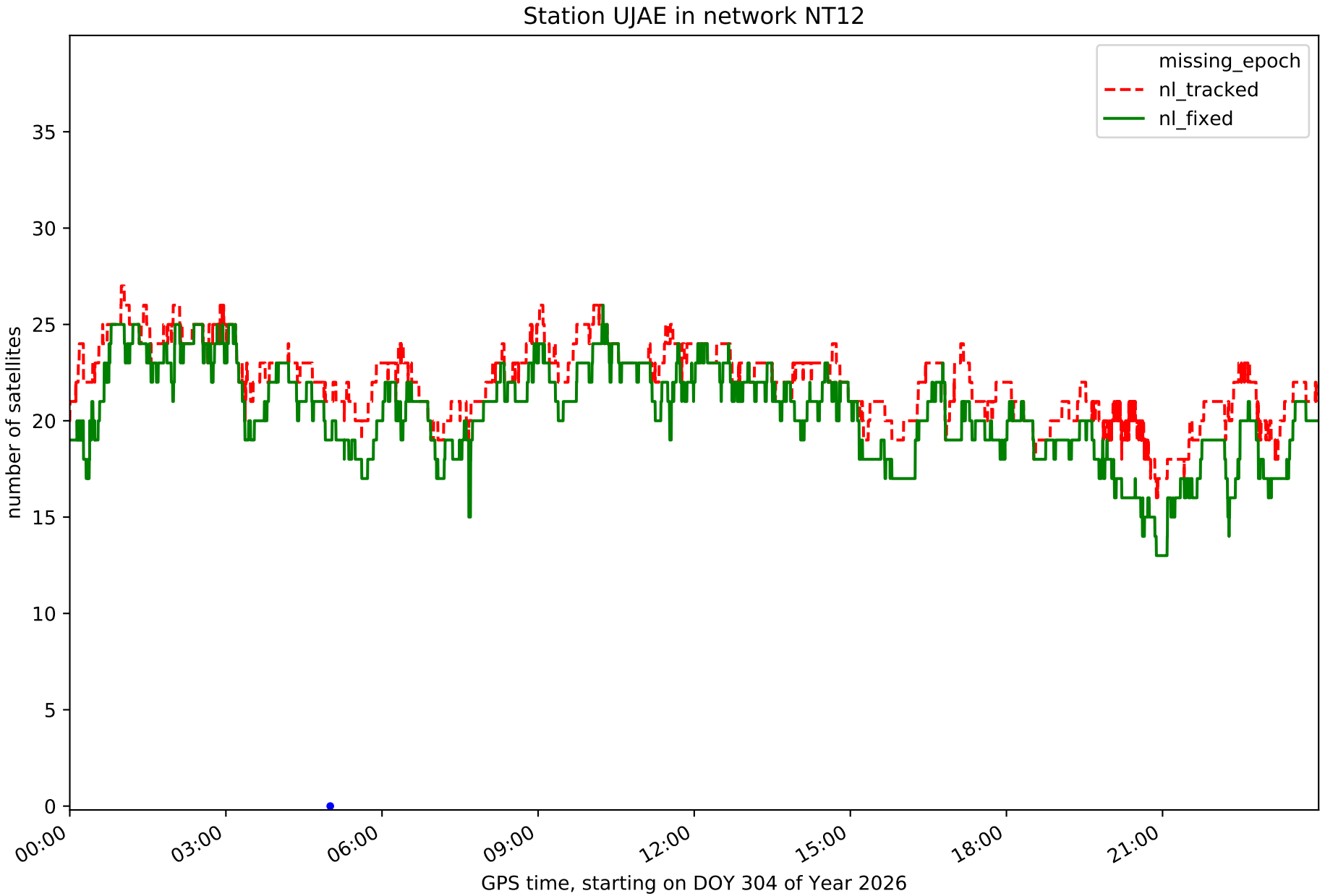

Station HUOV in network NT12
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 304 of Year 2026

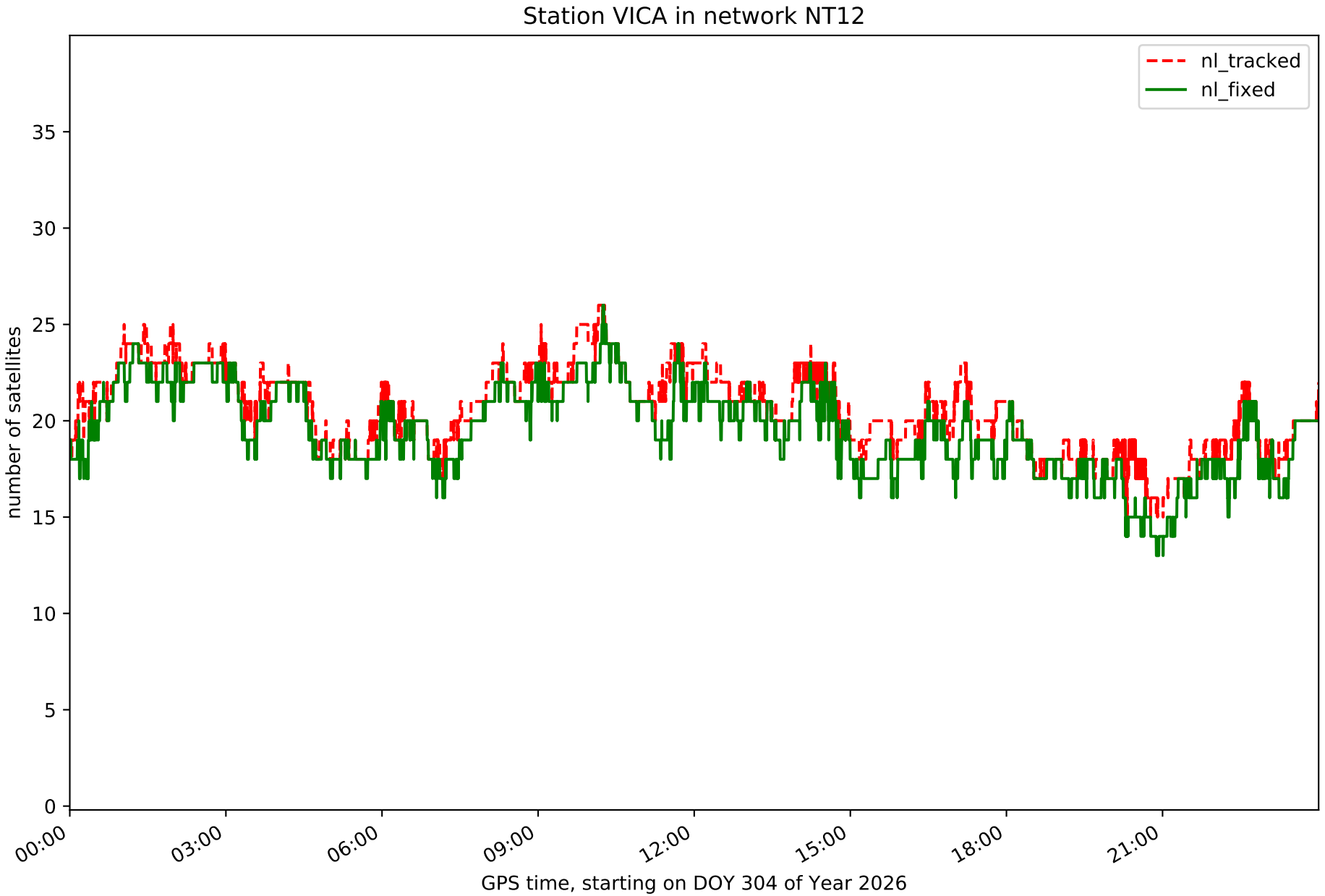

Station MAZA in network NT12
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 304 of Year 2026

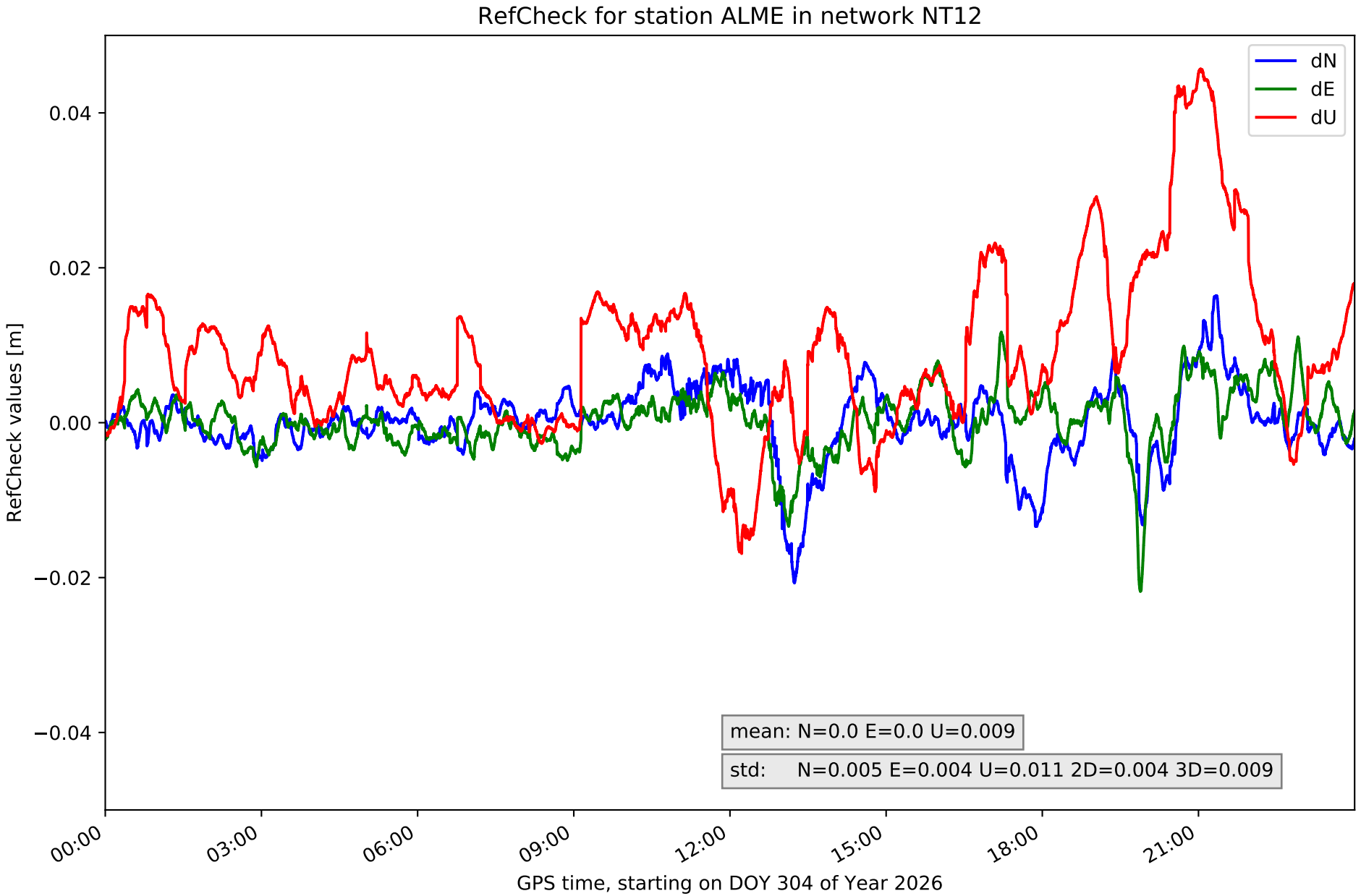

Station MUL1 in network NT12
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 304 of Year 2026

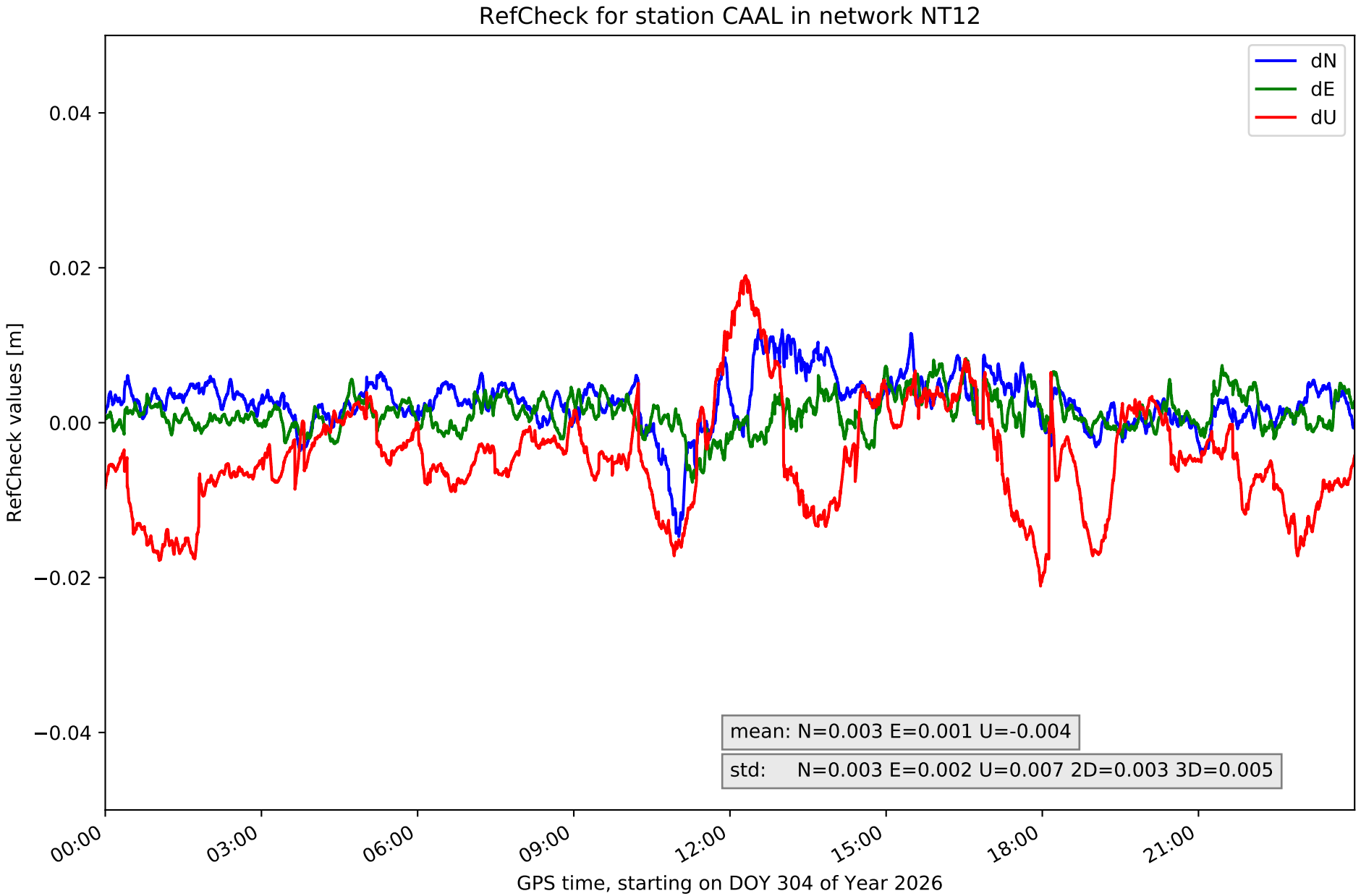

Station MURC in network NT12
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 304 of Year 2026

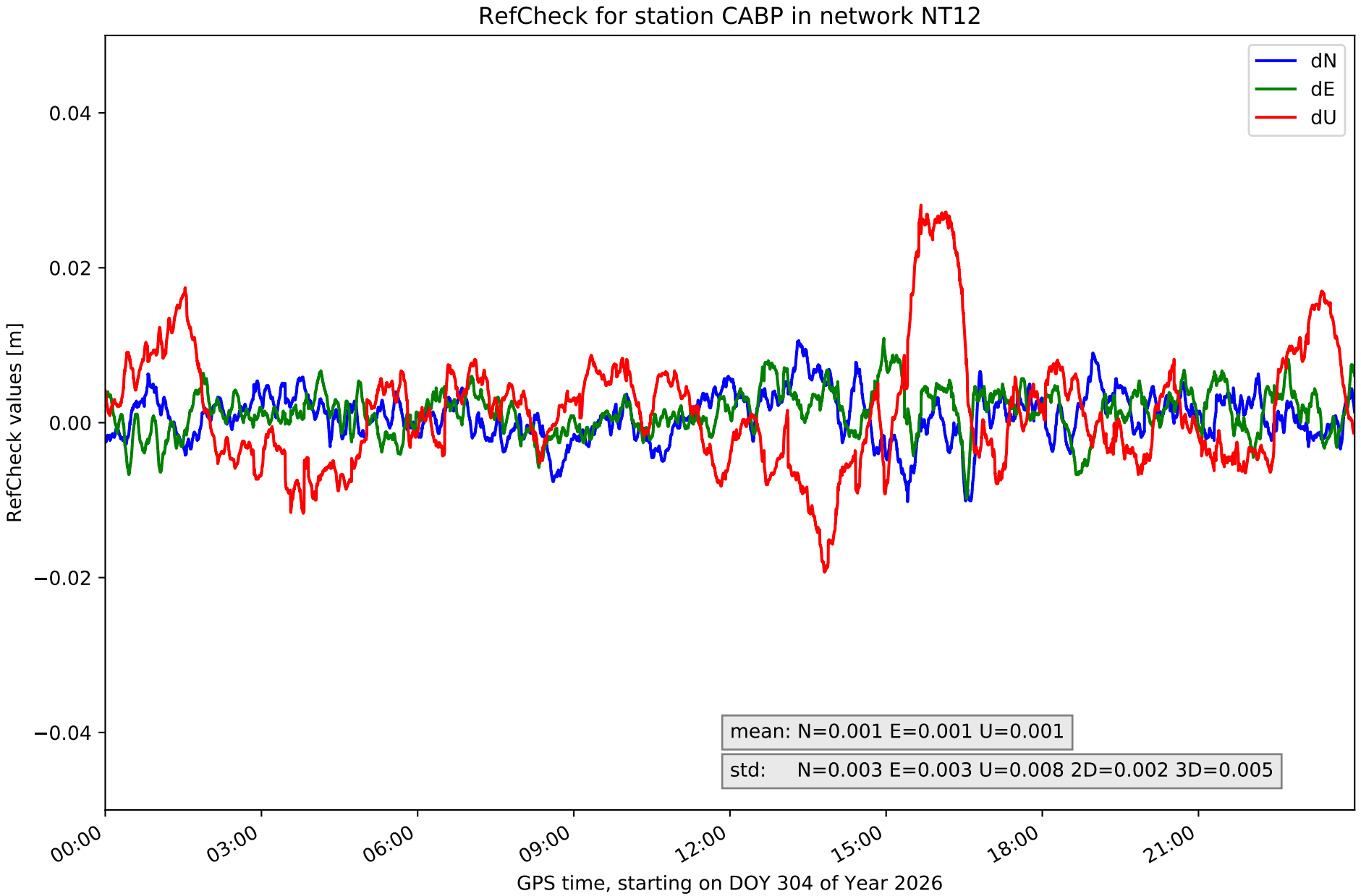

Station PALC in network NT12
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 304 of Year 2026

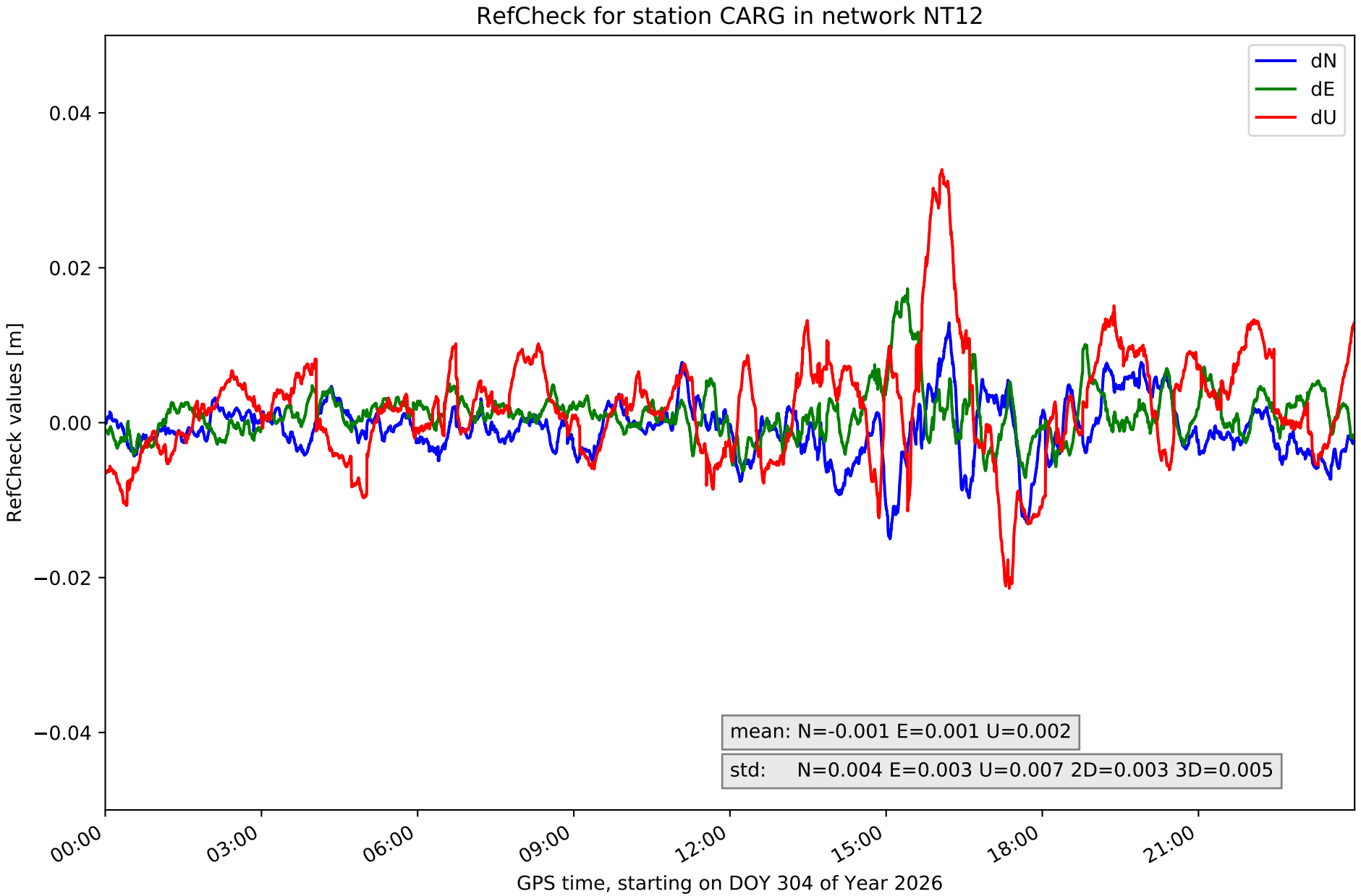

Station UJAE in network NT12
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 304 of Year 2026

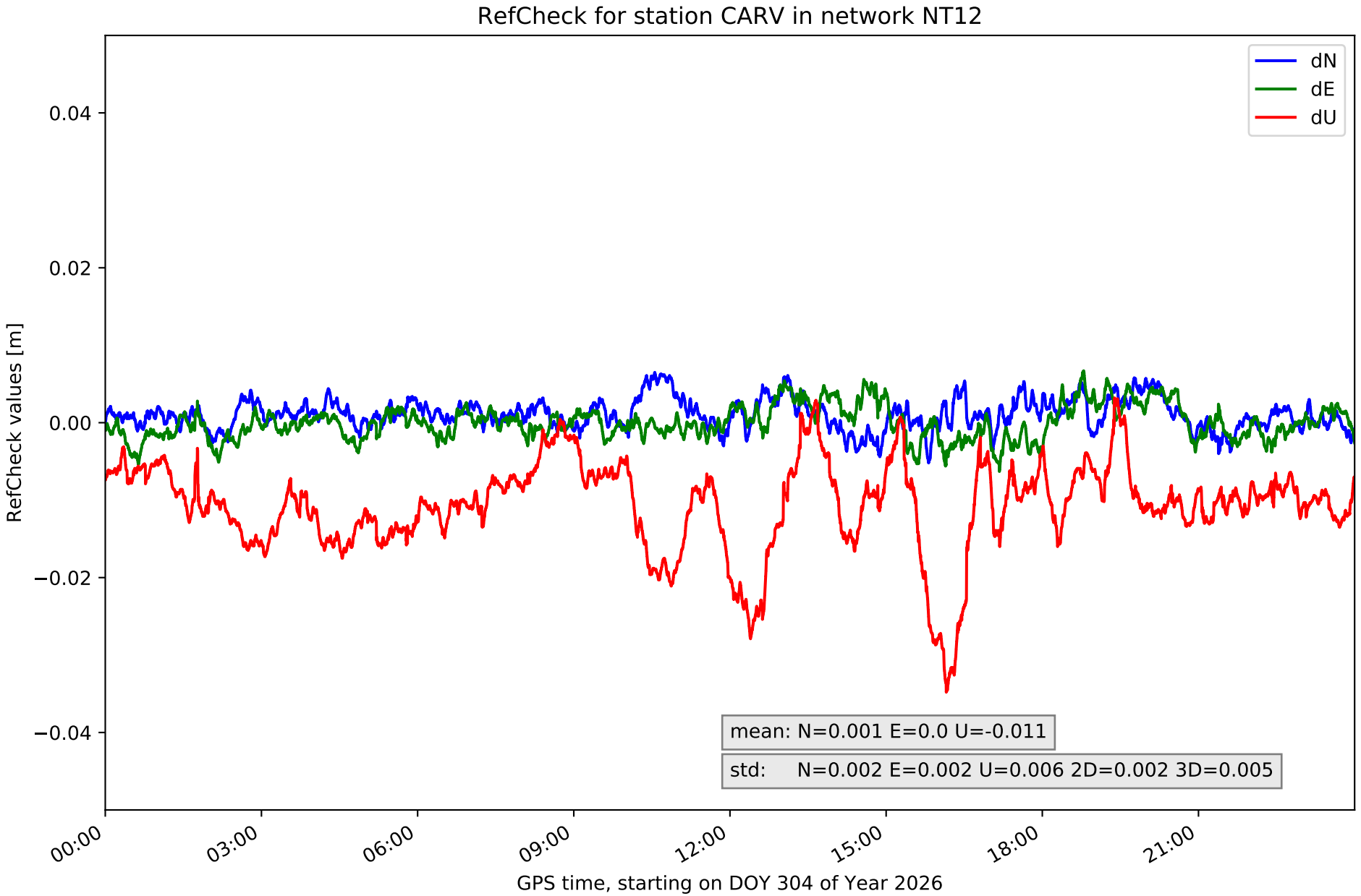

Station VICA in network NT12
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 304 of Year 2026

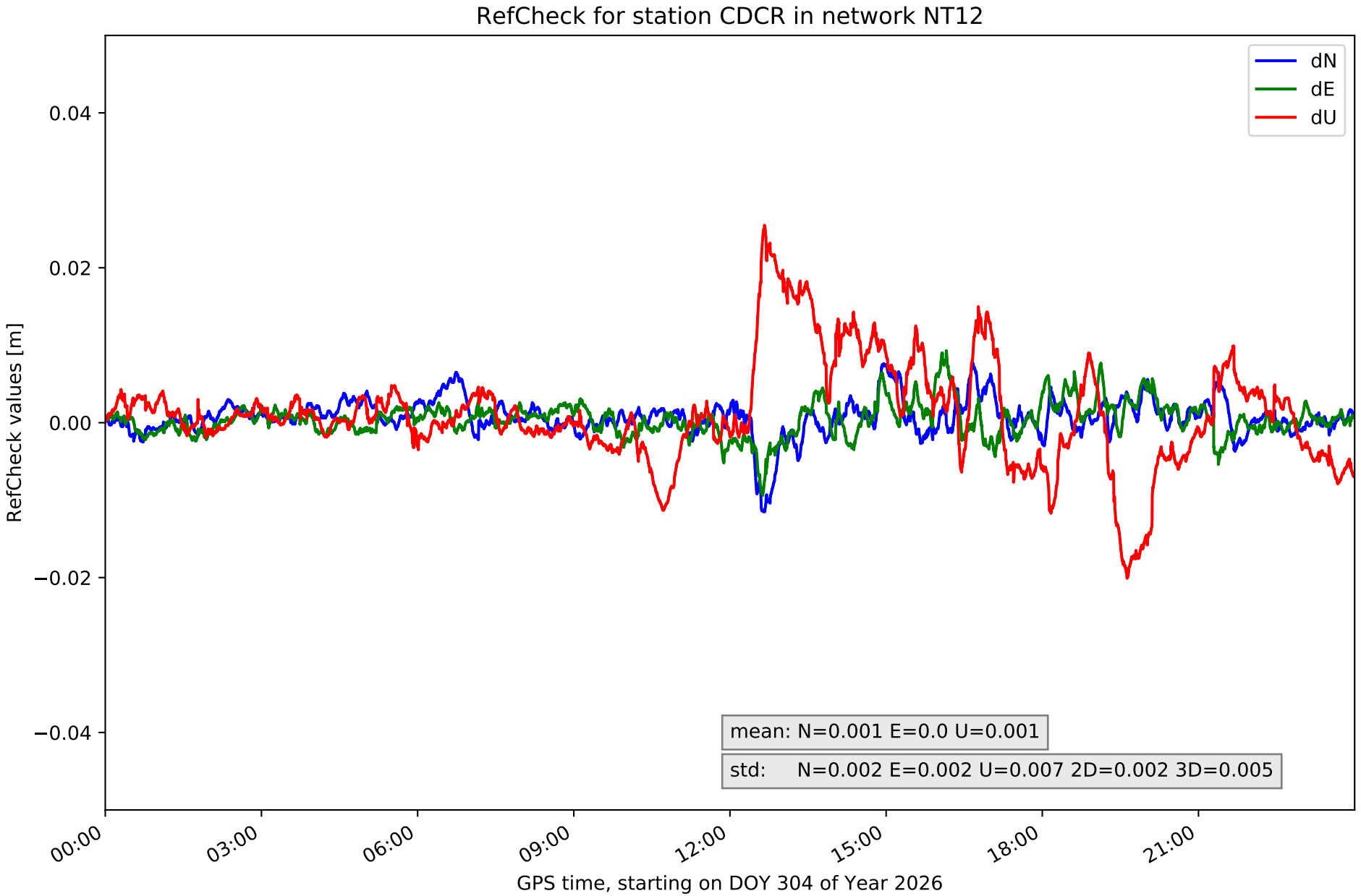

RefCheck for station ALME in network NT12
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.0 E=0.0 U=0.009
std: N=0.005 E=0.004 U=0.011 2D=0.004 3D=0.009
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 304 of Year 2026

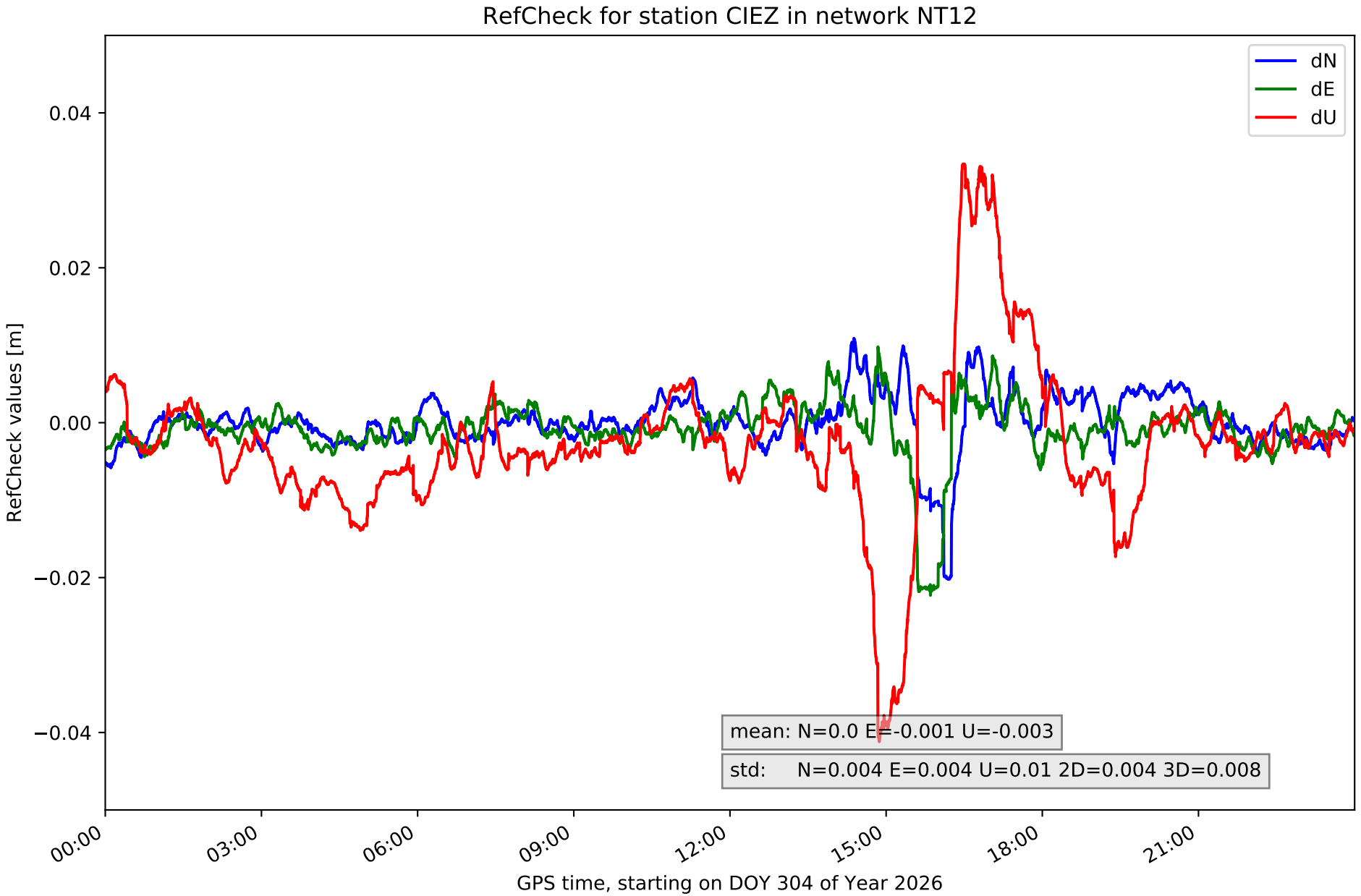

RefCheck for station CAAL in network NT12
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.003 E=0.001 U=-0.004
std: N=0.003 E=0.002 U=0.007 2D=0.003 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 304 of Year 2026

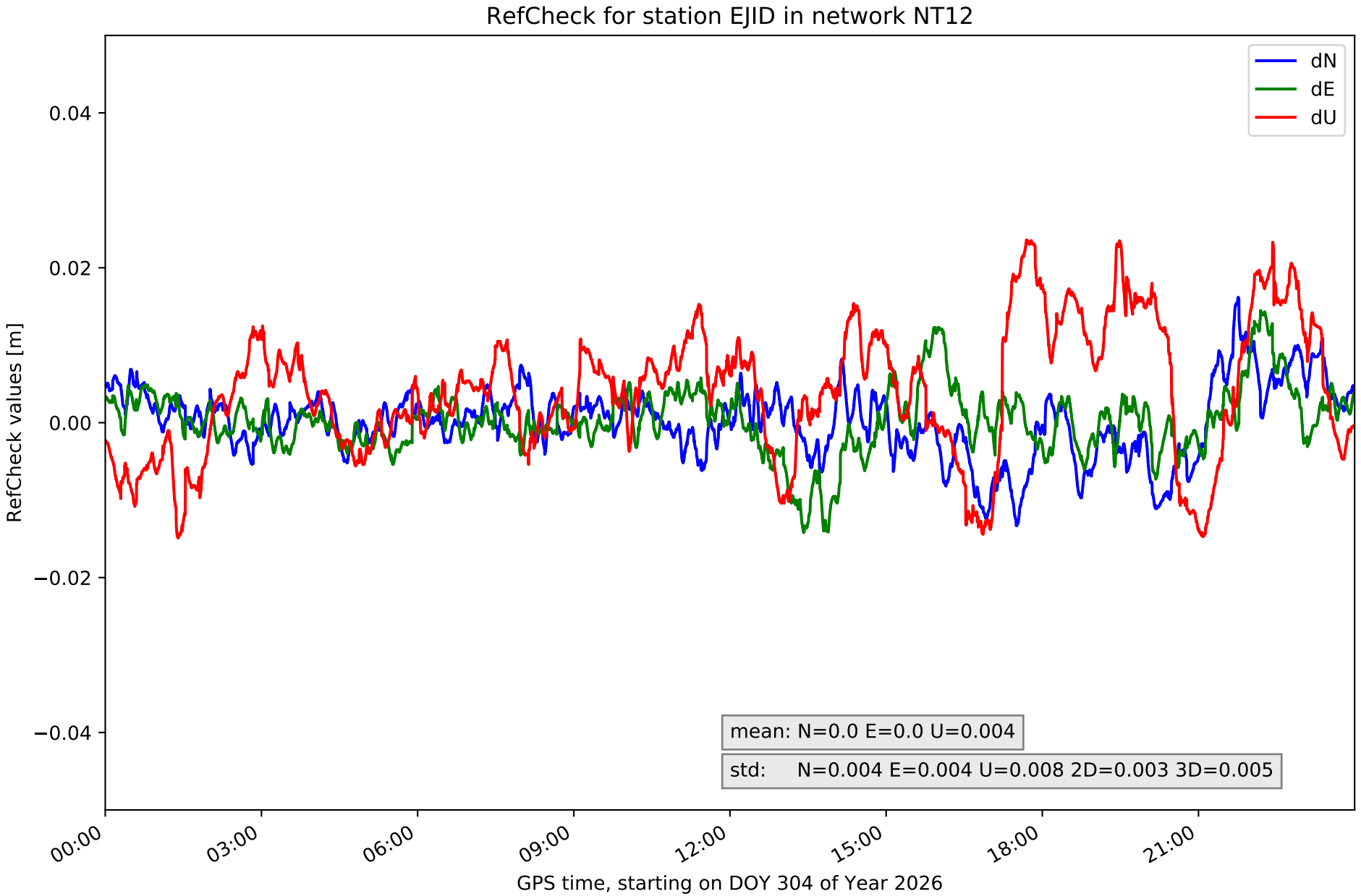

RefCheck for station CABP in network NT12
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.001 E=0.001 U=0.001
std: N=0.003 E=0.003 U=0.008 2D=0.002 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 304 of Year 2026

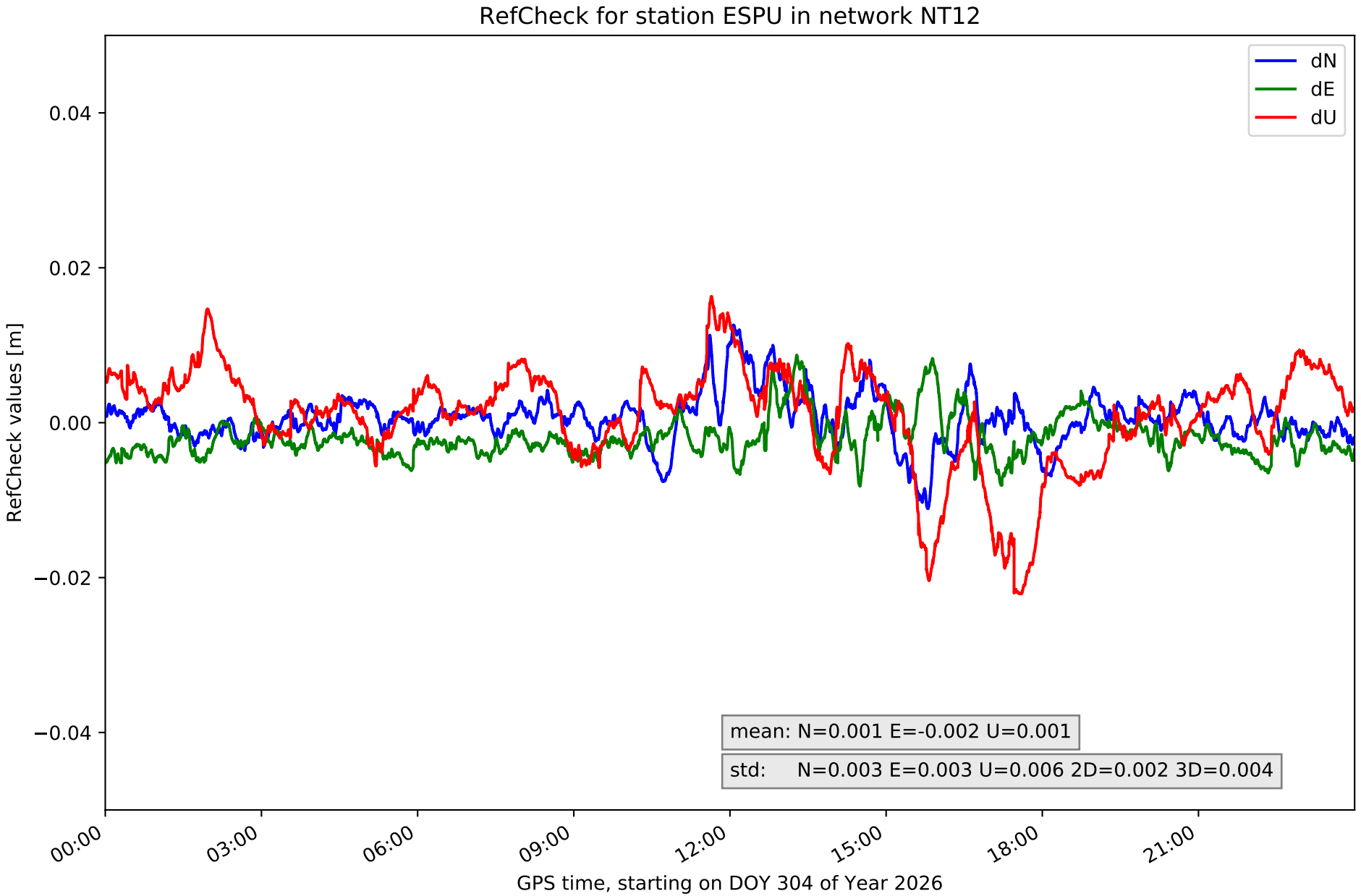

RefCheck for station CARG in network NT12
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.001 E=0.001 U=0.002
std: N=0.004 E=0.003 U=0.007 2D=0.003 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 304 of Year 2026

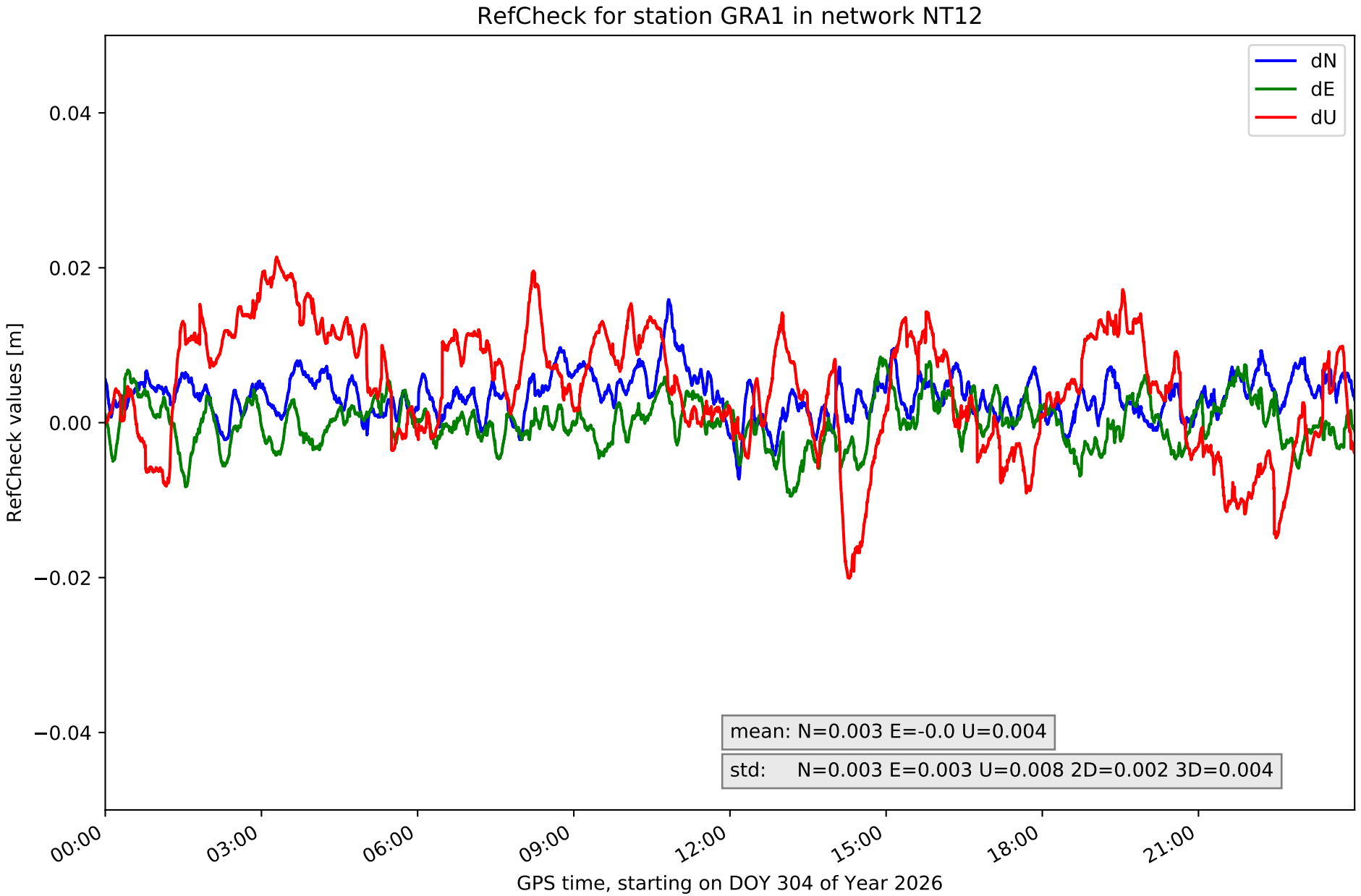

RefCheck for station CARV in network NT12
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.001 E=0.0 U=-0.011
std: N=0.002 E=0.002 U=0.006 2D=0.002 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 304 of Year 2026

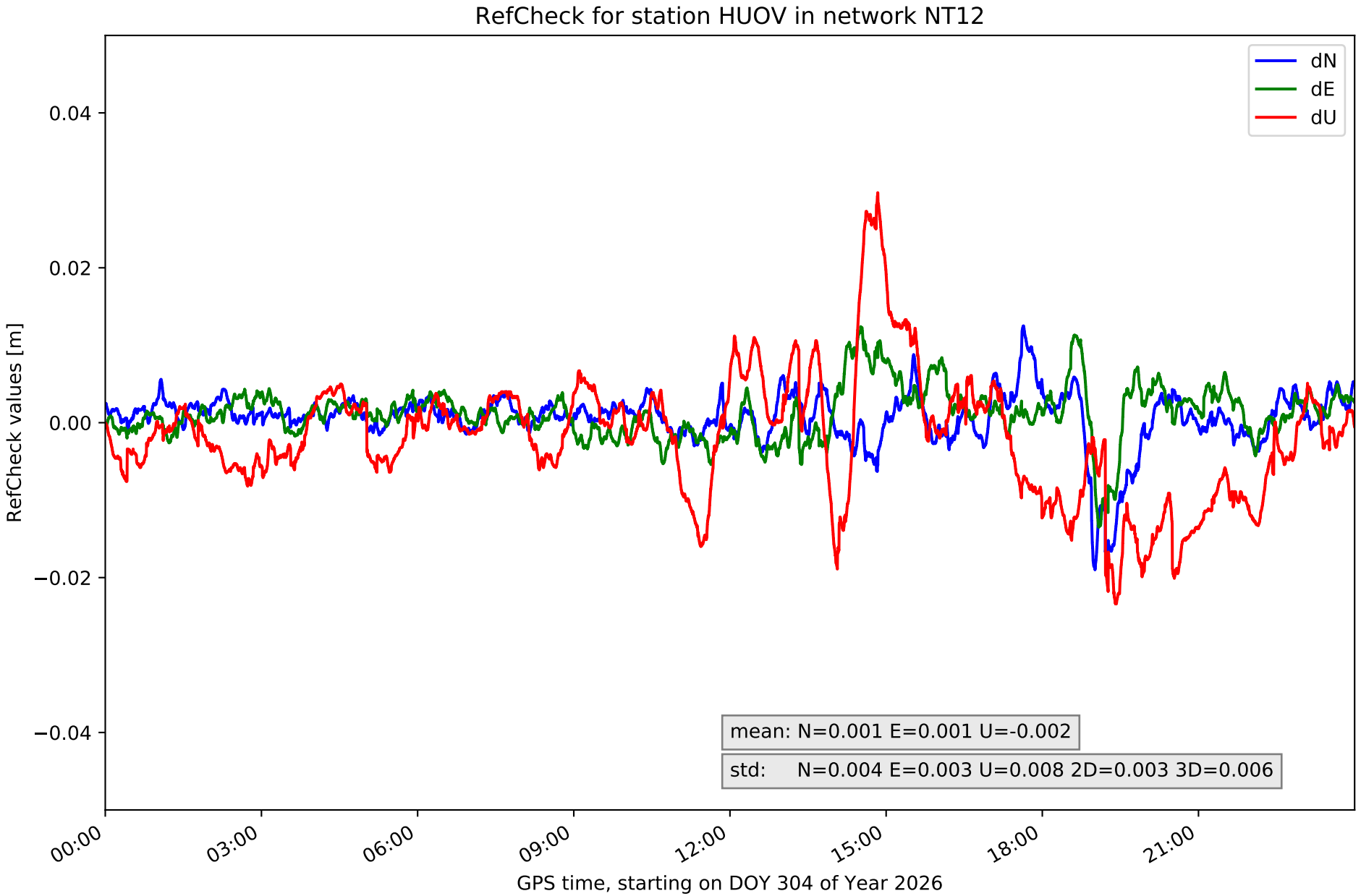

RefCheck for station CDCR in network NT12
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.001 E=0.0 U=0.001
std: N=0.002 E=0.002 U=0.007 2D=0.002 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 304 of Year 2026

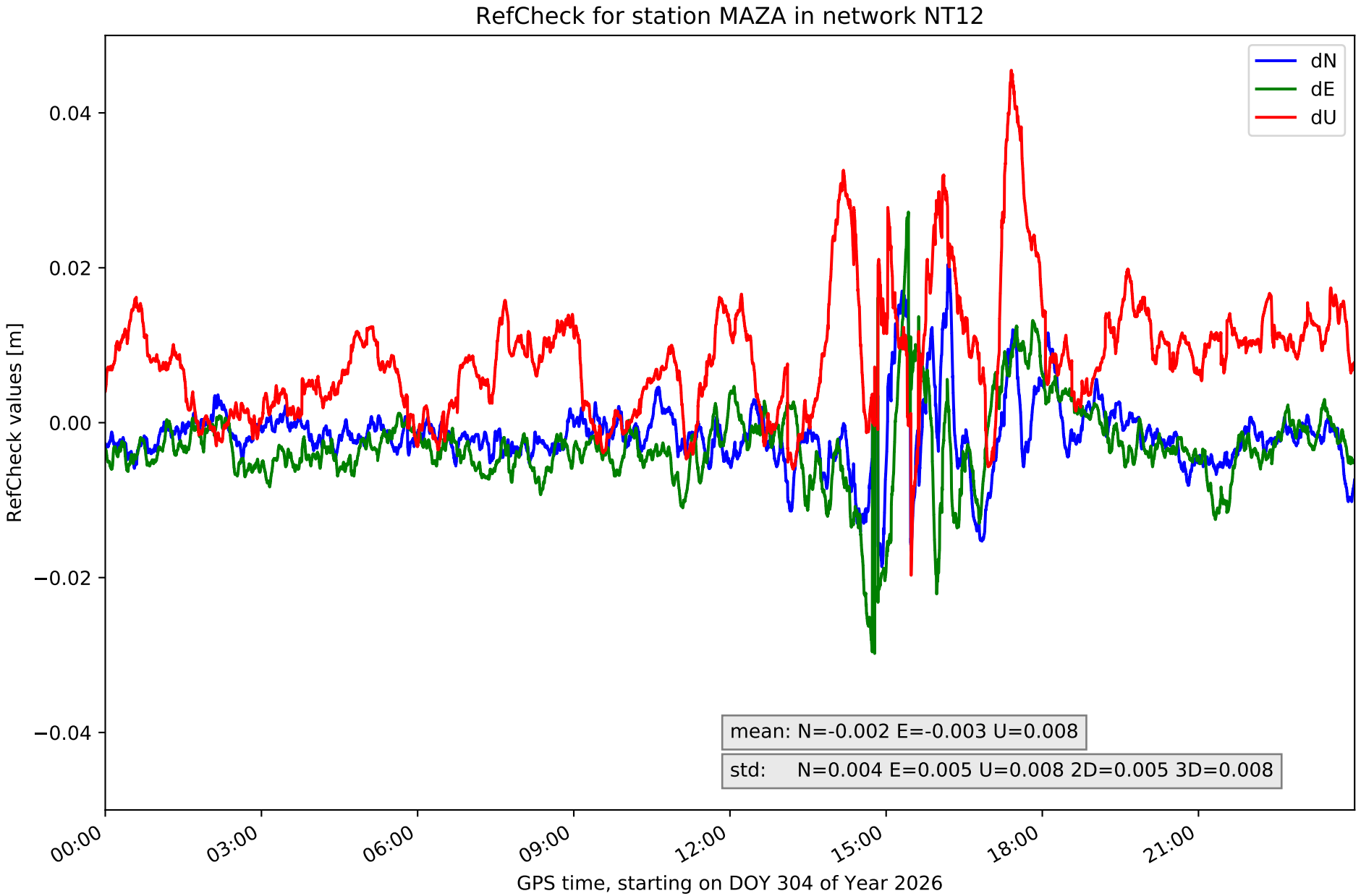

RefCheck for station CIEZ in network NT12
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.0 E=-0.001 U=-0.003
std: N=0.004 E=0.004 U=0.01 2D=0.004 3D=0.008
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 304 of Year 2026

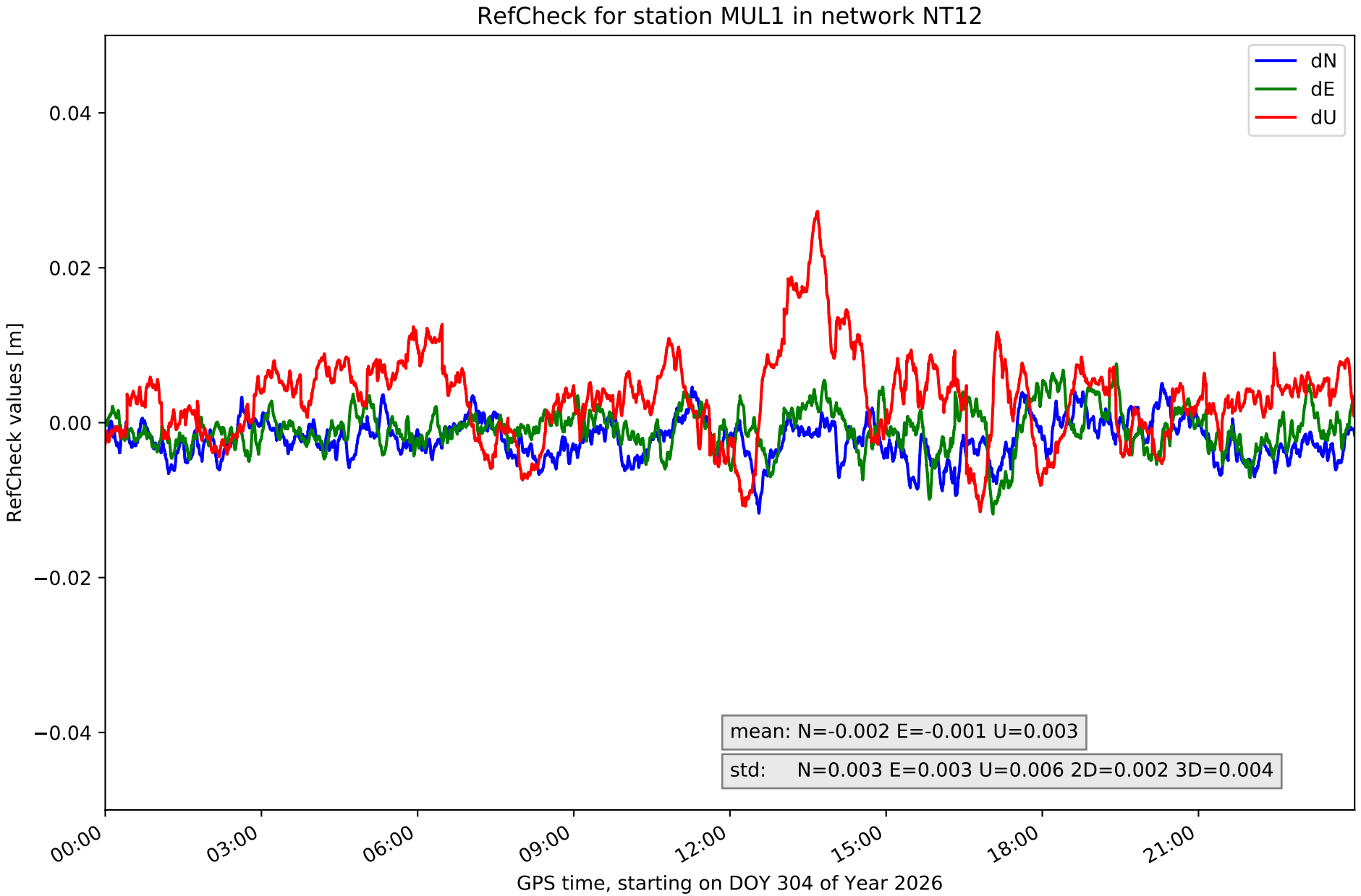

RefCheck for station EJID in network NT12
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.0 E=0.0 U=0.004
std: N=0.004 E=0.004 U=0.008 2D=0.003 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 304 of Year 2026

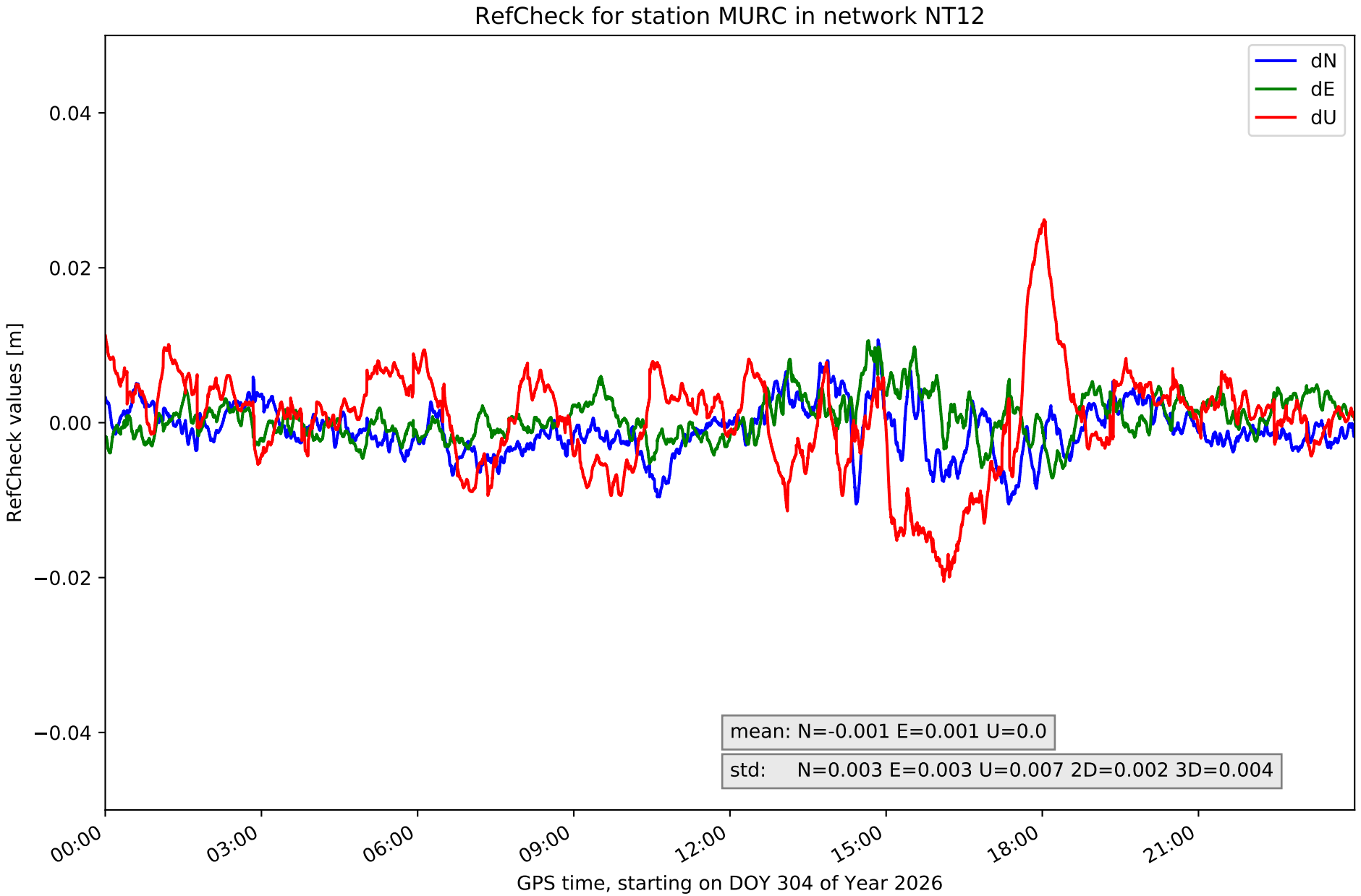

RefCheck for station ESPU in network NT12
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.001 E=-0.002 U=0.001
std: N=0.003 E=0.003 U=0.006 2D=0.002 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 304 of Year 2026

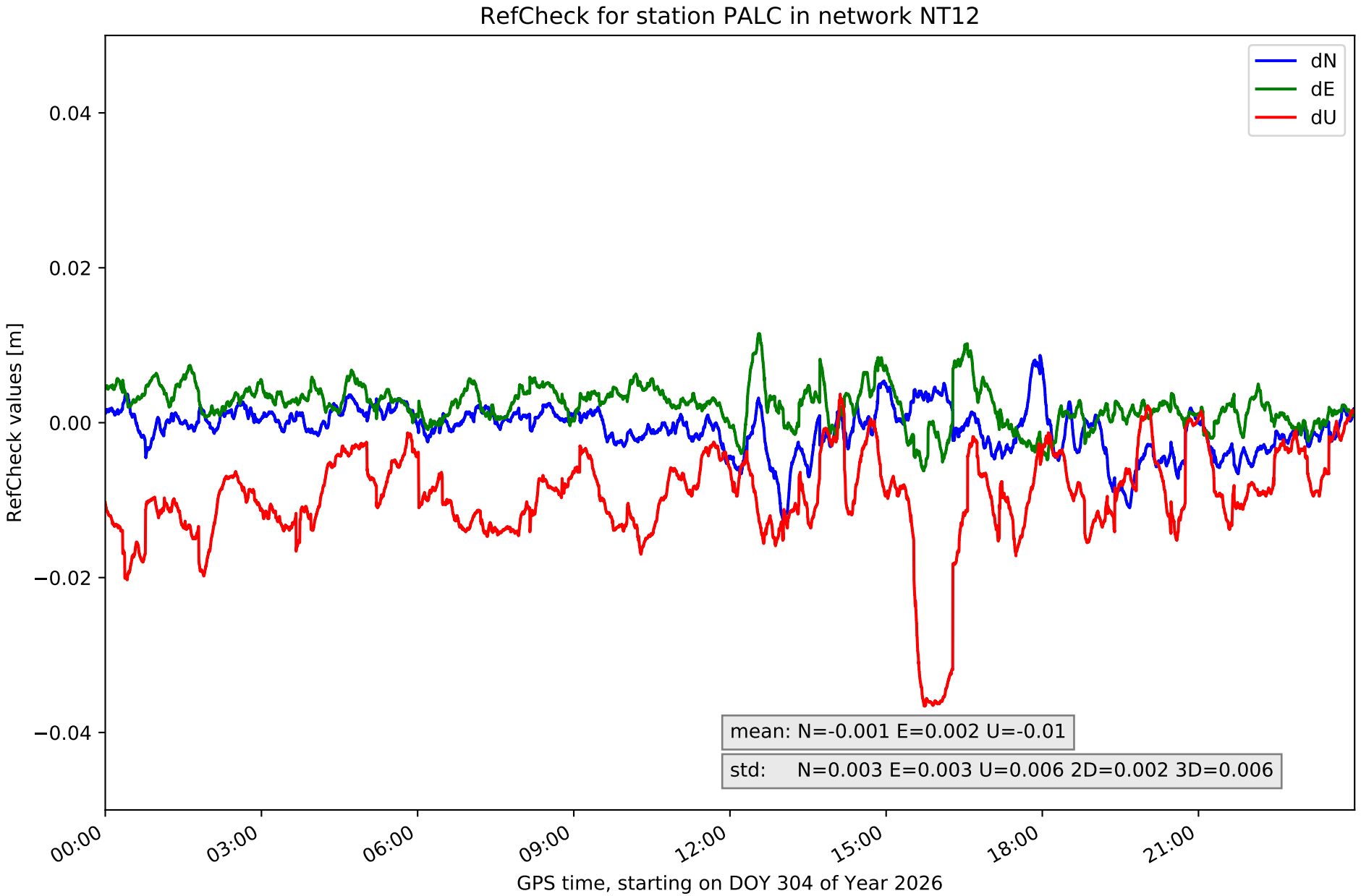

RefCheck for station GRA1 in network NT12
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.003 E=-0.0 U=0.004
std: N=0.003 E=0.003 U=0.008 2D=0.002 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 304 of Year 2026

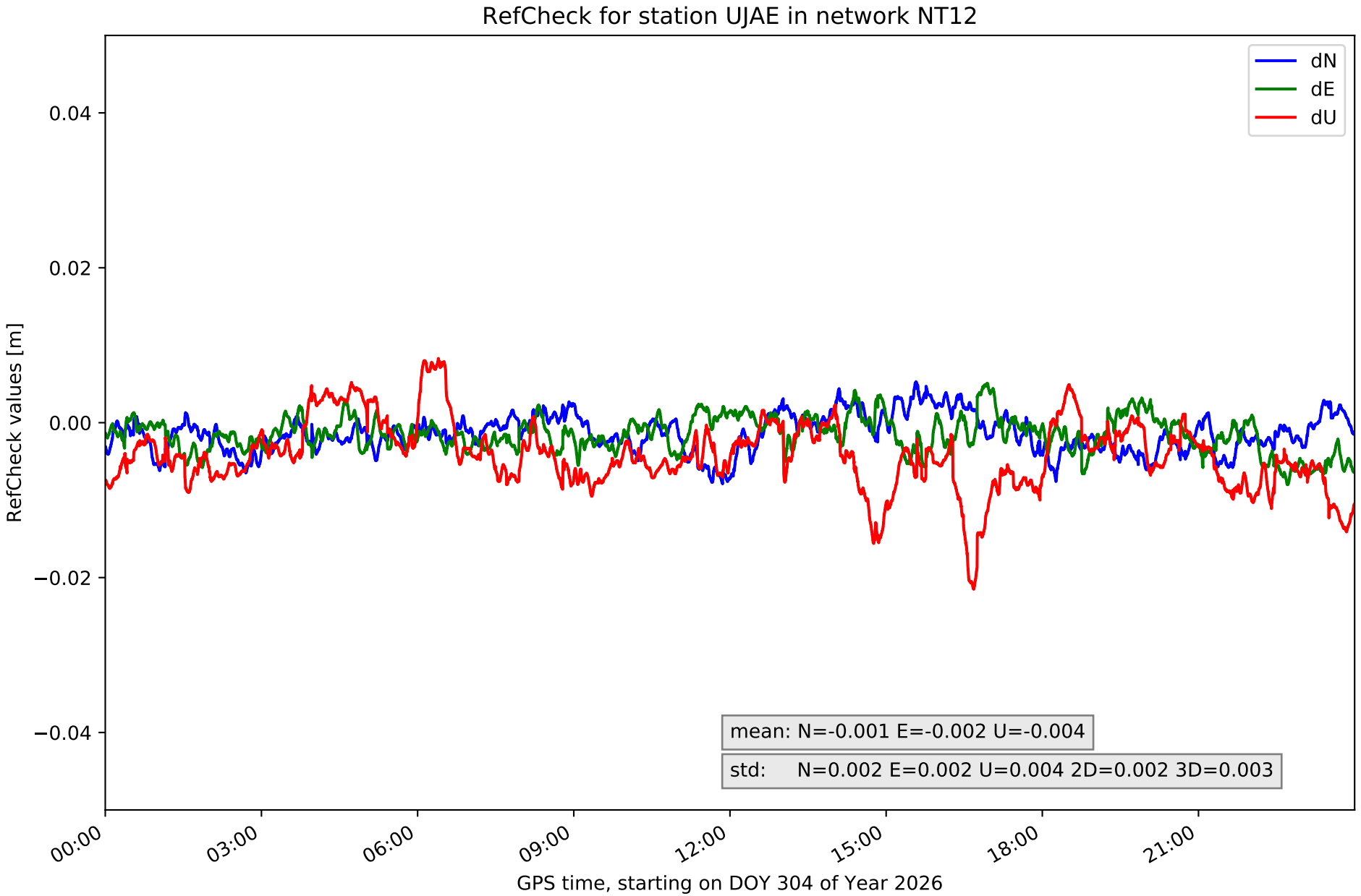

RefCheck for station HUOV in network NT12
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.001 E=0.001 U=-0.002
std: N=0.004 E=0.003 U=0.008 2D=0.003 3D=0.006
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 304 of Year 2026

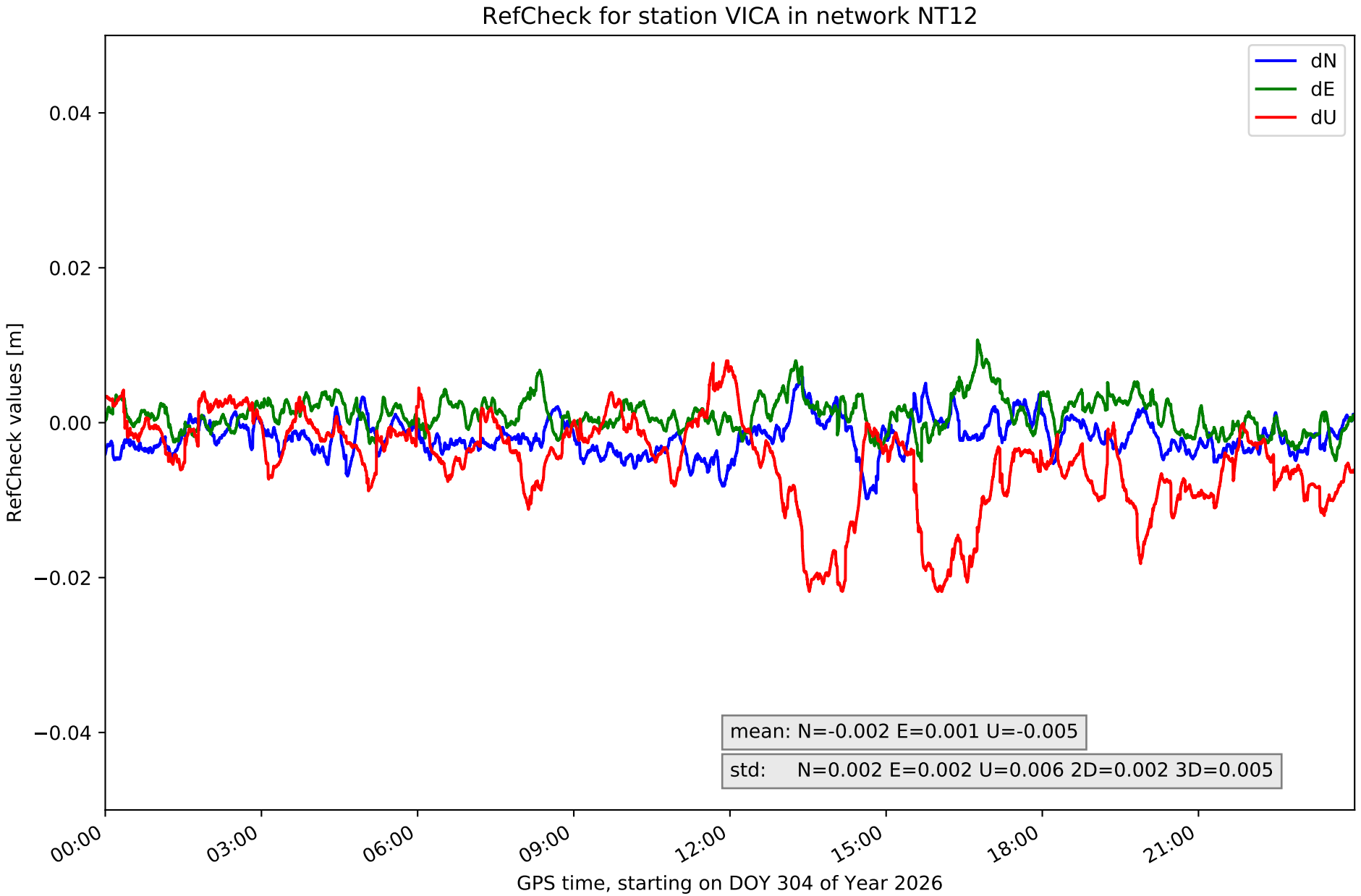

RefCheck for station MAZA in network NT12
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.002 E=-0.003 U=0.008
std: N=0.004 E=0.005 U=0.008 2D=0.005 3D=0.008
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 304 of Year 2026


RefCheck for station MUL1 in network NT12
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.002 E=-0.001 U=0.003
std: N=0.003 E=0.003 U=0.006 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 304 of Year 2026


RefCheck for station MURC in network NT12
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.001 E=0.001 U=0.0
std: N=0.003 E=0.003 U=0.007 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 304 of Year 2026


RefCheck for station PALC in network NT12
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.001 E=0.002 U=-0.01
std: N=0.003 E=0.003 U=0.006 2D=0.002 3D=0.006
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 304 of Year 2026


RefCheck for station UJAE in network NT12
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.001 E=-0.002 U=-0.004
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 304 of Year 2026


RefCheck for station VICA in network NT12
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.002 E=0.001 U=-0.005
std: N=0.002 E=0.002 U=0.006 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 304 of Year 2026

RefCheck values for network NT12

Station	Nmin	Nmax	Nstd	Emin	Emax	Estd	Umin	Umax	Ustd	std2D	std3D	#2D > 0.01	% 2D > 0.01	#3D > 0.02	% 3D > 0.02
ALME	**-0.021**	0.016	**0.005**	-0.022	0.012	0.004	-0.017	**0.046**	**0.011**	0.004	**0.009**	7650	9.8	**12217**	**15.6**
CAAL	-0.015	0.012	0.003	-0.008	0.008	0.002	-0.021	0.019	0.007	0.003	0.005	2860	3.7	614	0.8
CABP	-0.01	0.011	0.003	-0.01	0.011	0.003	-0.019	0.028	0.008	0.002	0.005	764	1.0	3058	3.9
CARG	-0.015	0.013	0.004	-0.007	0.017	0.003	-0.021	0.033	0.007	0.003	0.005	3672	4.7	2273	2.9
CARV	-0.005	0.006	0.002	-0.006	0.007	0.002	-0.035	0.003	0.006	0.002	0.005	0	0.0	5830	7.5
CDCR	-0.011	0.008	0.002	-0.009	0.009	0.002	-0.02	0.025	0.007	0.002	0.005	850	1.1	1271	1.6
CIEZ	-0.02	0.011	0.004	-0.022	0.01	0.004	**-0.041**	0.033	0.01	0.004	0.008	2887	3.7	7263	9.3
EJID	-0.013	0.016	0.004	-0.014	0.015	0.004	-0.015	0.024	0.008	0.003	0.005	9078	11.6	4364	5.6
ESPU	-0.011	0.013	0.003	-0.008	0.009	0.003	-0.022	0.016	0.006	0.002	0.004	2181	2.8	1287	1.6
GRA1	-0.007	0.016	0.003	-0.009	0.009	0.003	-0.02	0.021	0.008	0.002	0.004	1660	2.1	896	1.1
HUOV	-0.019	0.013	0.004	-0.013	0.012	0.003	-0.023	0.03	0.008	0.003	0.006	4153	5.3	3077	3.9
MAZA	-0.019	**0.02**	0.004	**-0.03**	**0.027**	**0.005**	-0.02	0.045	0.008	**0.005**	0.008	**12070**	**15.4**	8899	11.4
MUL1	-0.012	0.005	0.003	-0.012	0.008	0.003	-0.011	0.027	0.006	0.002	0.004	1010	1.3	1086	1.4
MURC	-0.011	0.011	0.003	-0.007	0.011	0.003	-0.021	0.026	0.007	0.002	0.004	1037	1.3	1594	2.0
PALC	-0.013	0.009	0.003	-0.006	0.011	0.003	-0.037	0.004	0.006	0.002	0.006	1294	1.7	2600	3.3
UJAE	-0.008	0.005	0.002	-0.008	0.005	0.002	-0.021	0.008	0.004	0.002	0.003	0	0.0	451	0.6
VICA	-0.01	0.006	0.002	-0.005	0.011	0.002	-0.022	0.008	0.006	0.002	0.005	161	0.2	2377	3.0
Mean	**-0.013**	**0.011**	**0.003**	**-0.012**	**0.011**	**0.003**	**-0.023**	**0.023**	**0.007**	**0.003**	**0.005**	**3019.2**	**3.9**	**3479.8**	**4.4**
Min/Max	**-0.021**	**0.02**	**0.005**	**-0.03**	**0.027**	**0.005**	**-0.041**	**0.046**	**0.011**	**0.005**	**0.009**	**12070**	**15.4**	**12217**	**15.6**

fixing statistic for network NT12

fixing percentage of	all GNSS	G	R	E	C
using threshold 0.3	93.7	94.1	93.8	95.3	91.8
considering satellites with dual-frequency fixed	92.6	92.6	92.4	94.6	89.5
considering all signals separately	92.6	92.5	92.4	94.8	88.1