summary for network NT10

timeperiod chosen: from 2026-11-12-00:00:00 until 2026-11-12-23:59:58

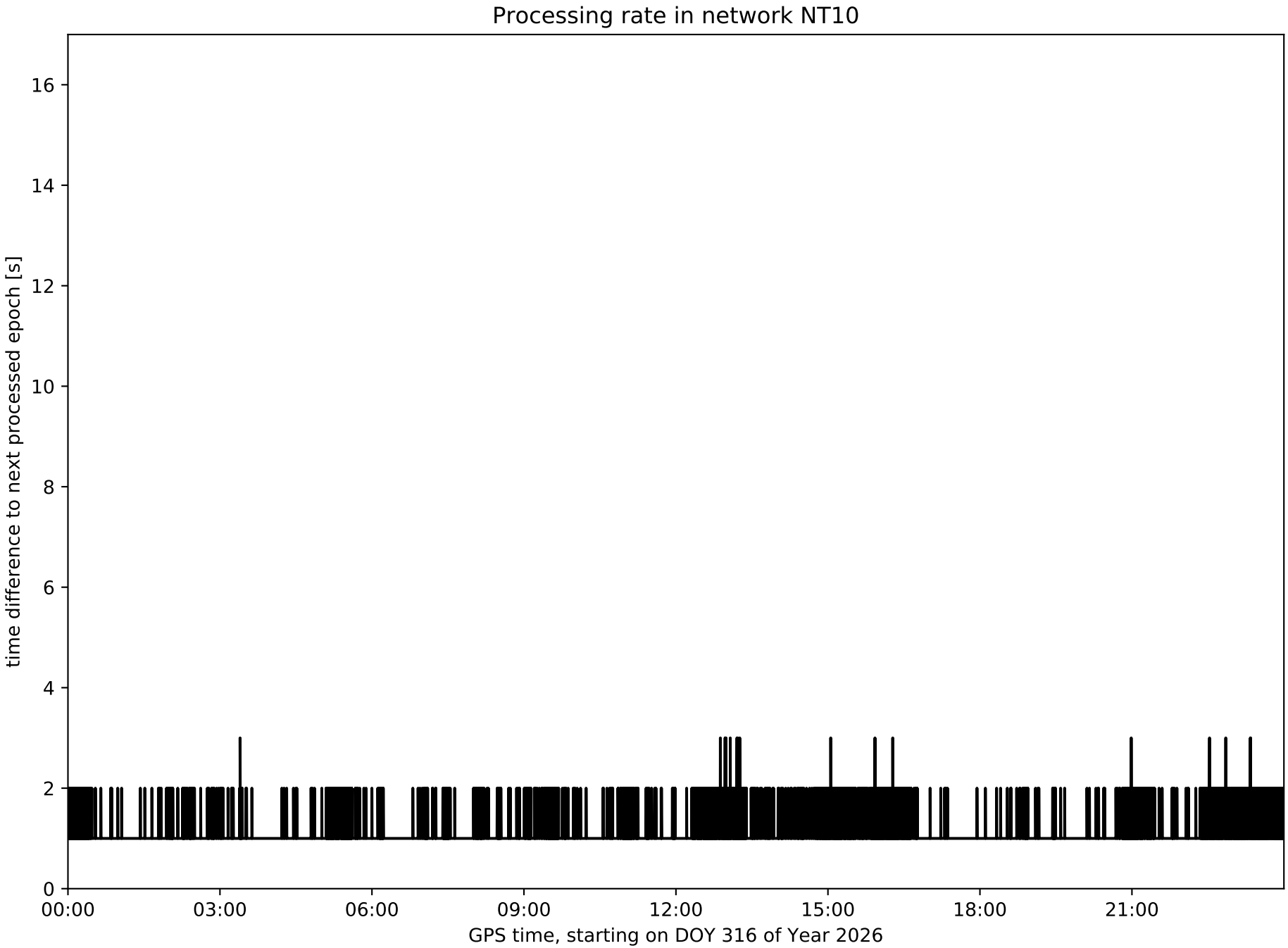
average update rate (durations larger than 15 seconds considered as observation gap): 1.1 seconds

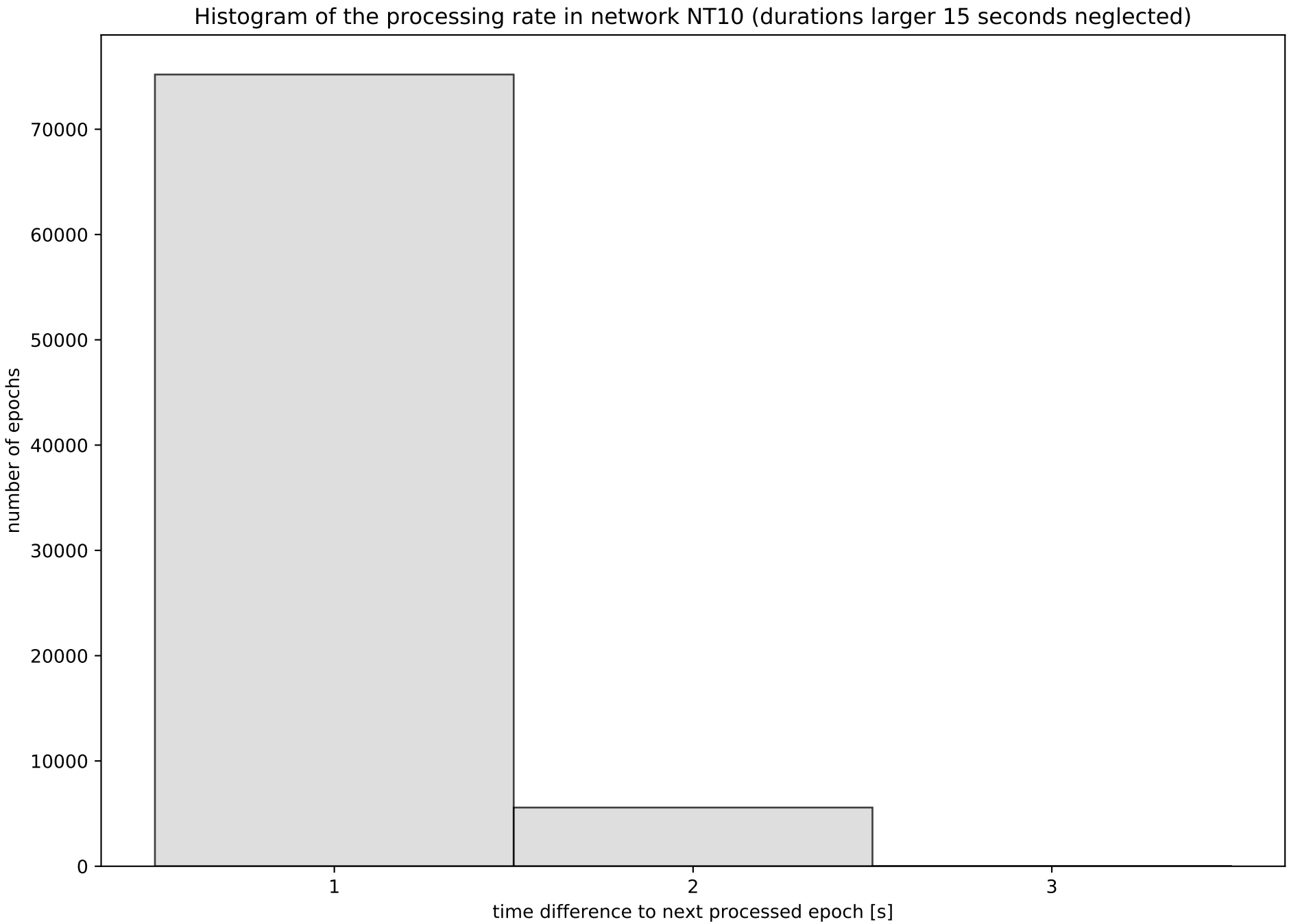
average fixing percentage with threshold set to 0.3: 92.4 percent

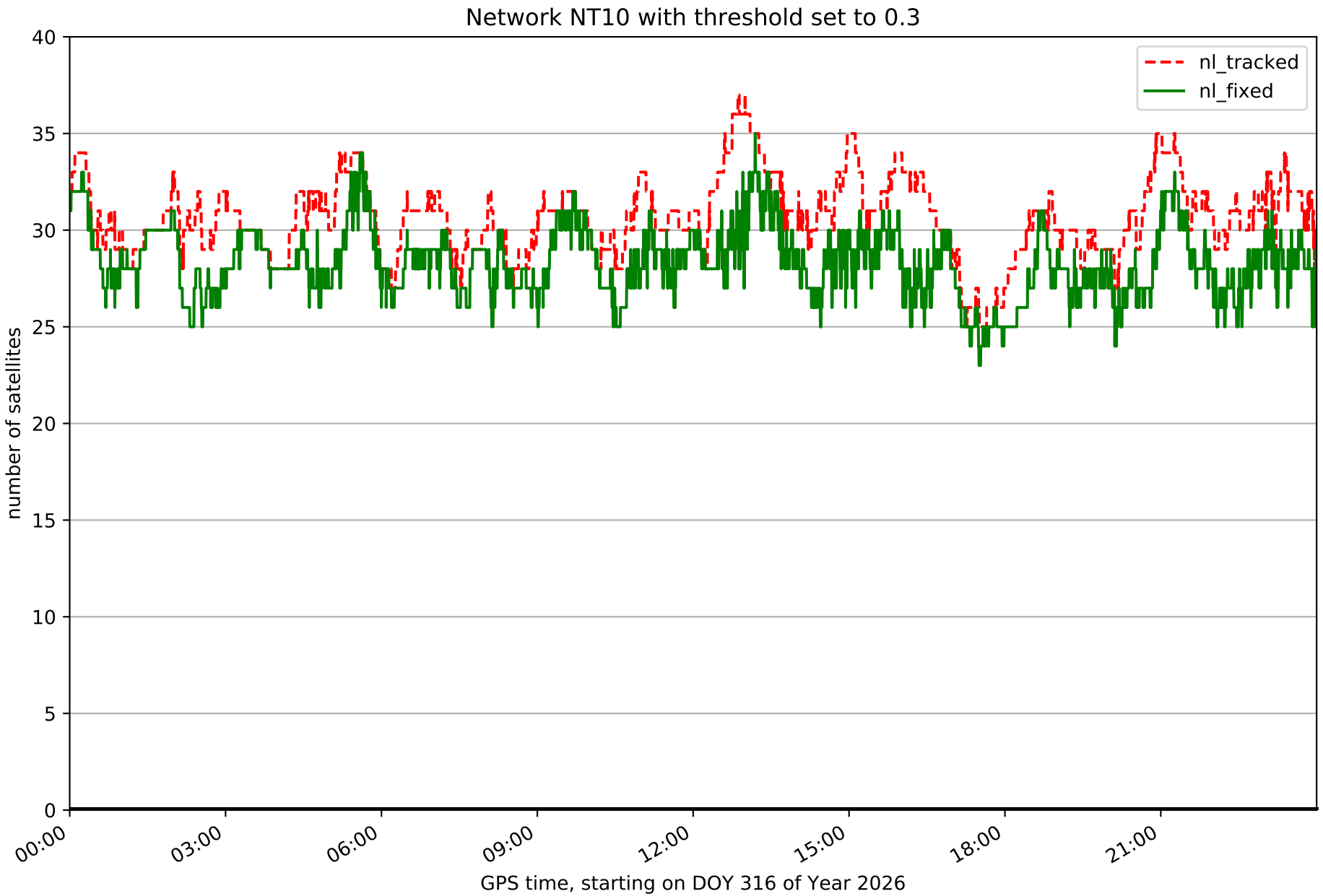
stations available: 16 of 16

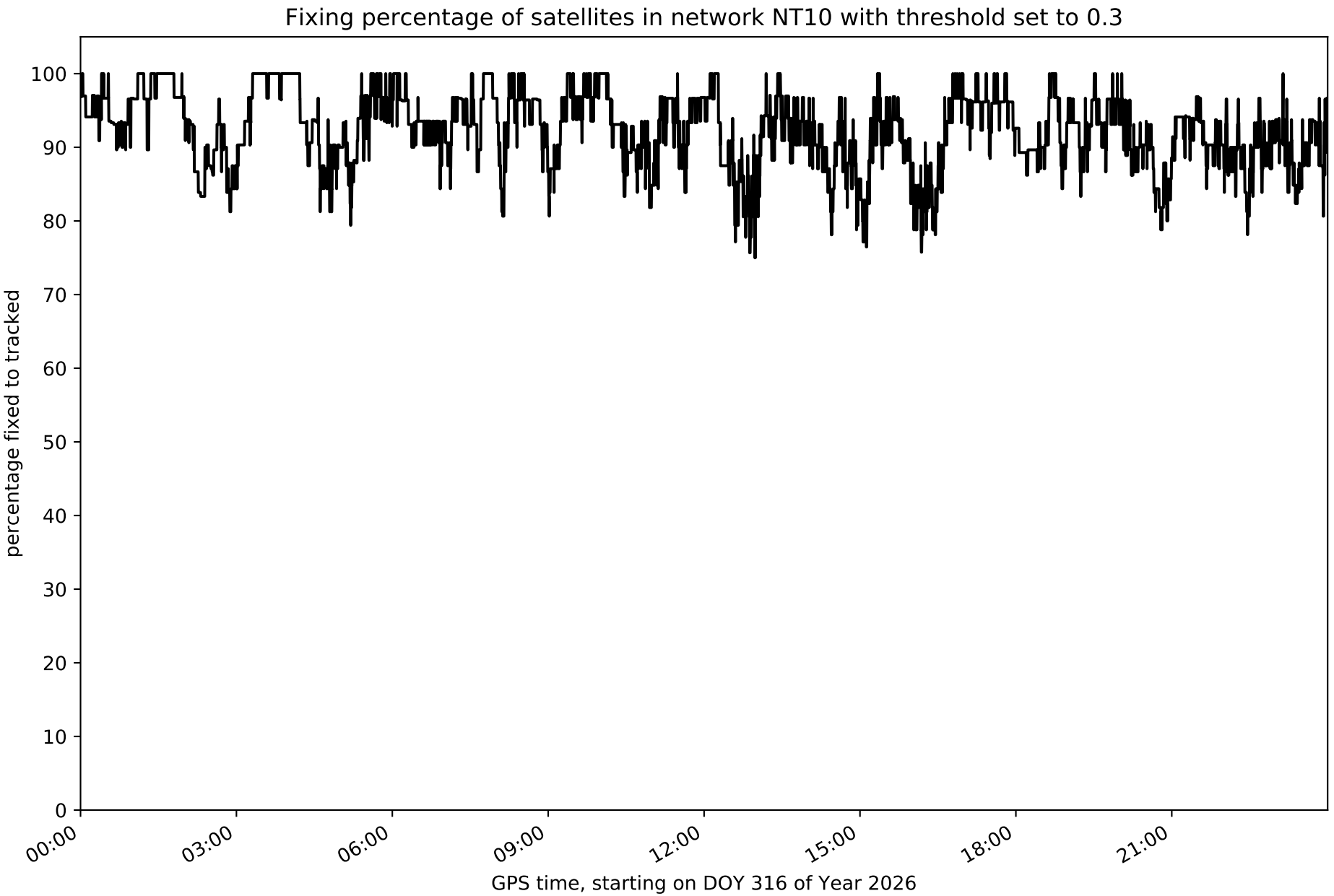
station information:

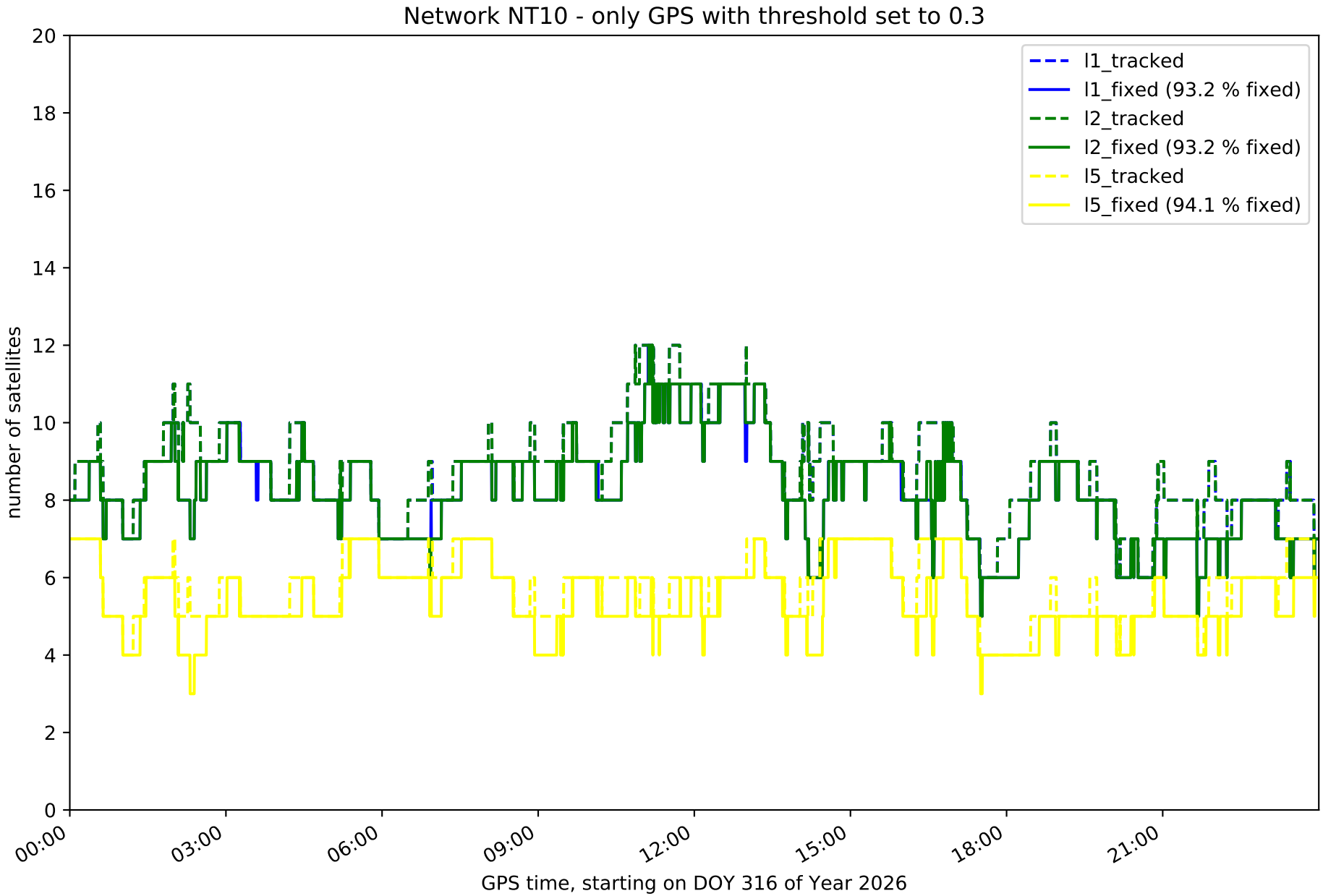
station BCL1:	antenna: LEIAR20 LEIM	receiver: LEICA GR25	height: 56.108
station BCLN:	antenna: LEIAR25.R4 LEIT	receiver: LEICA GR10	height: 84.869
station BELL:	antenna: LEIAR25.R4 NONE	receiver: LEICA GR50	height: 853.49
station BINE:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 346.962
station CREU:	antenna: LEIAR25.R4 NONE	receiver: LEICA GR50	height: 133.461
station EBRE:	antenna: LEIAR25.R4 NONE	receiver: LEICA GR50	height: 107.865
station EBRO:	antenna: LEIAR20 LEIM	receiver: LEICA GR50	height: 54.383
station ESCO:	antenna: LEIAR25.R4 NONE	receiver: LEICA GR50	height: 2508.5
station GIRO:	antenna: LEIAR20 LEIM	receiver: LEICA GR50	height: 112.757
station GRAU:	antenna: GPPNULLANTENNA NONE	receiver: TPS NET-G3	height: 509.767
station MEQU:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 138.587
station OLOT:	antenna: TRM57971.00 TZGD	receiver: LEICA GR25	height: 600.524
station PUIG:	antenna: TRM59900.00 SCIS	receiver: TRIMBLE NETR9	height: 1162.383
station TARR:	antenna: LEIAR20 LEIM	receiver: LEICA GR25	height: 491.505
station TRRG:	antenna: LEIAR20 LEIM	receiver: LEICA GR50	height: 55.148
station VRO2:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 541.42

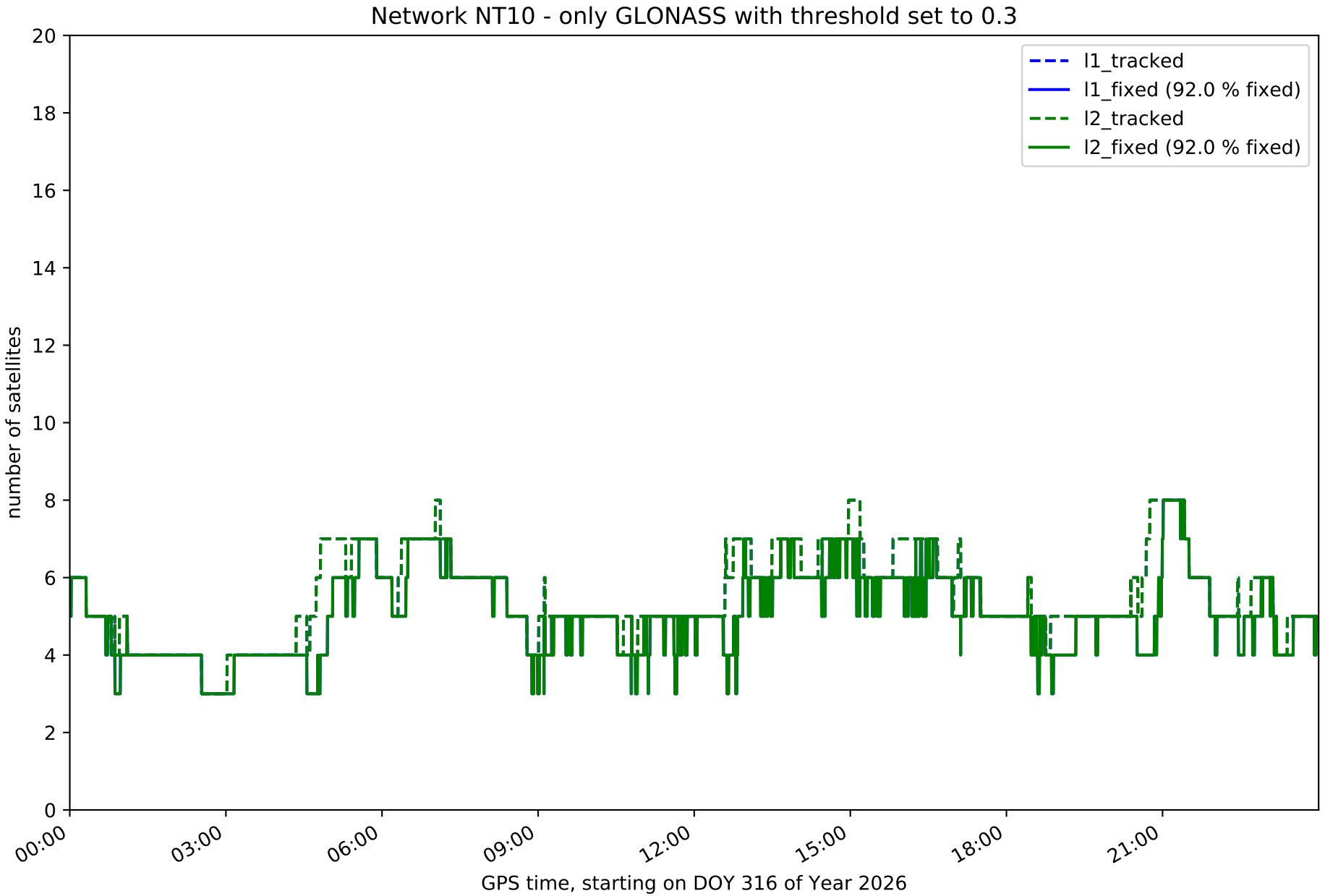

Processing rate in network NT10
time difference to next processed epoch [s]
0
2
4
6
8
10
12
14
16
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

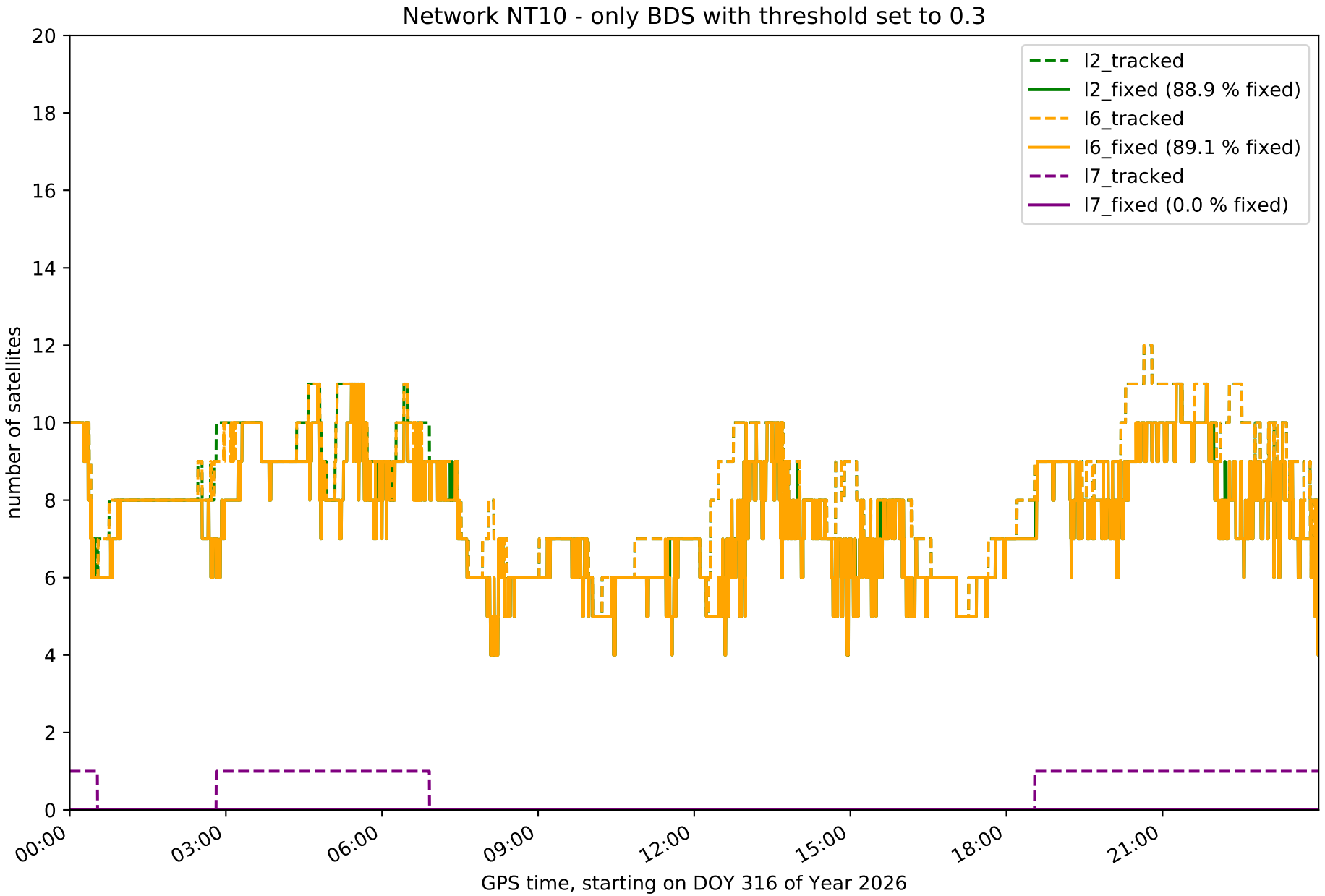

Histogram of the processing rate in network NT10 (durations larger 15 seconds neglected)
number of epochs
70000
60000
50000
40000
30000
20000
10000
0
1
2
3
time difference to next processed epoch [s]

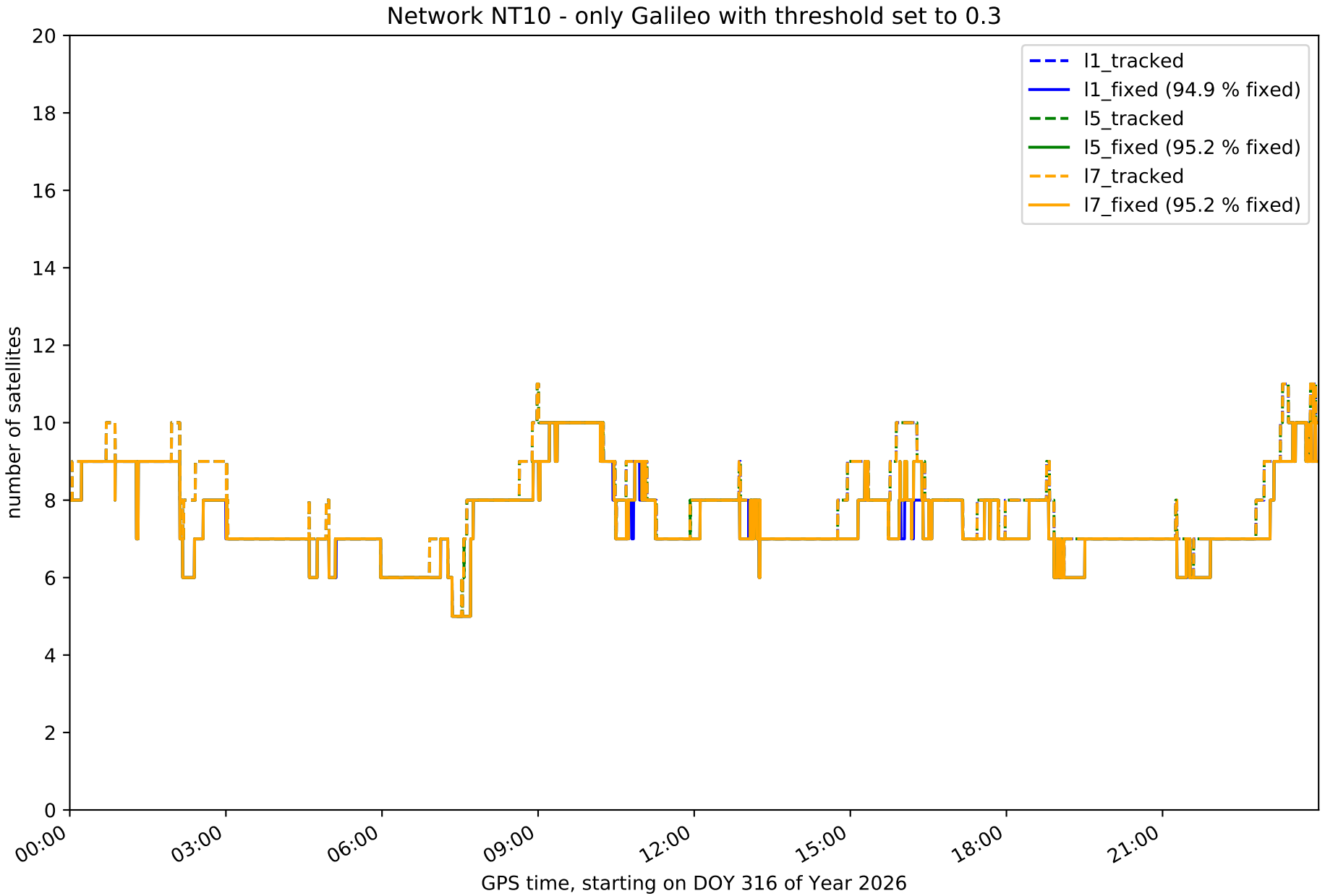

Network NT10 with threshold set to 0.3
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
40
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

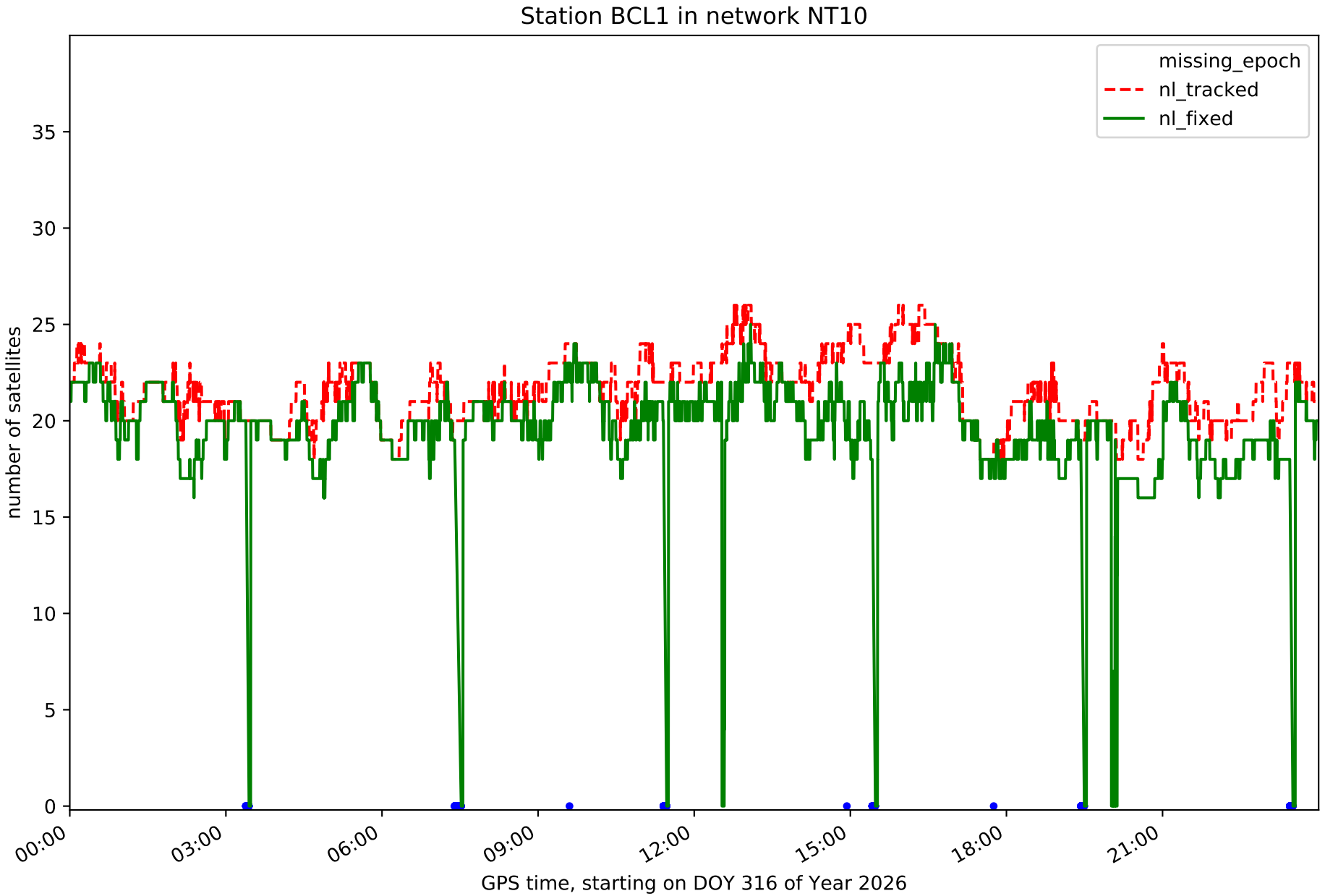

Fixing percentage of satellites in network NT10 with threshold set to 0.3
percentage fixed to tracked
100
90
80
70
60
50
40
30
20
10
0
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

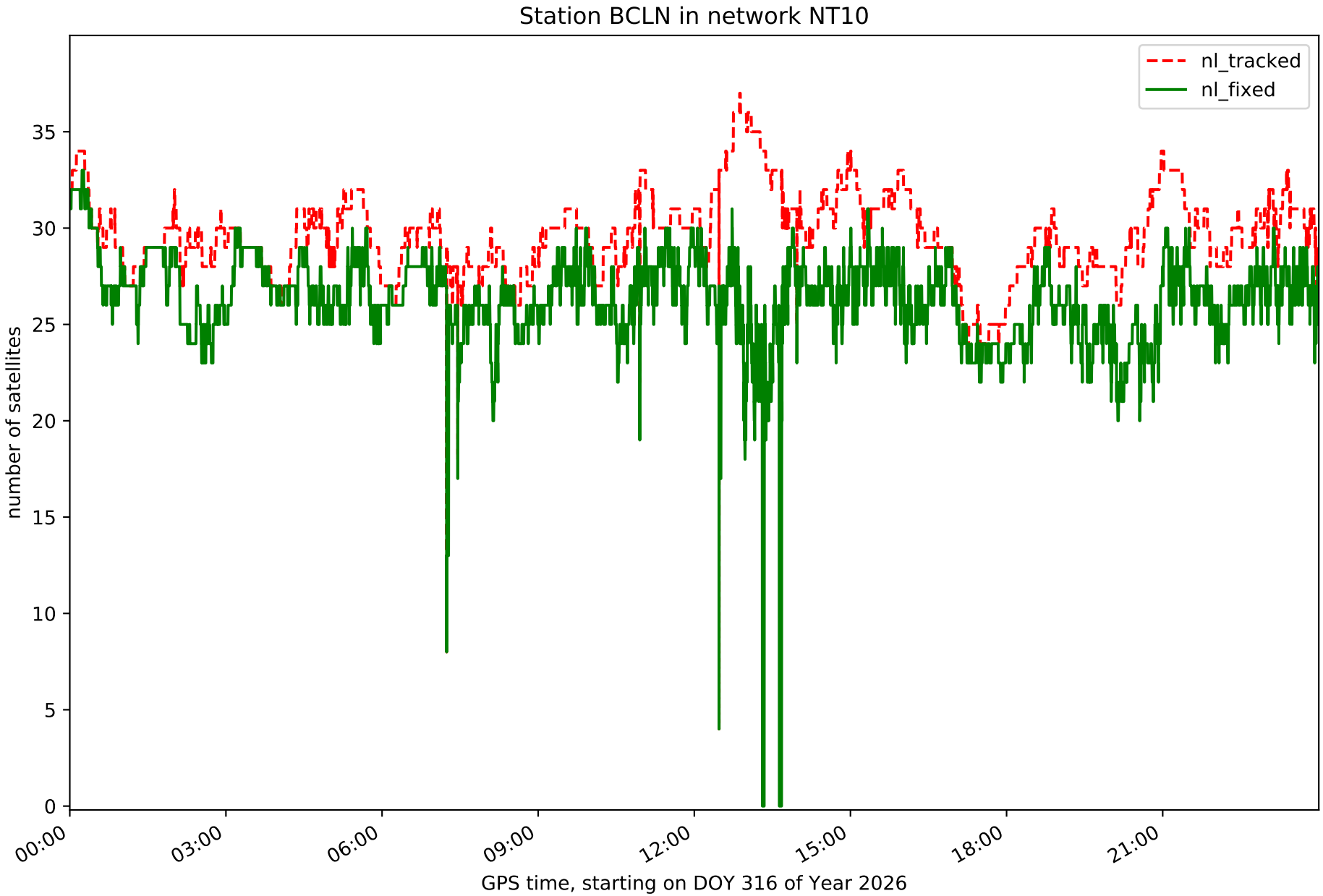

Network NT10 - only GPS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 316 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
l1_tracked
l1_fixed (93.2 % fixed)
l2_tracked
l2_fixed (93.2 % fixed)
l5_tracked
l5_fixed (94.1 % fixed)

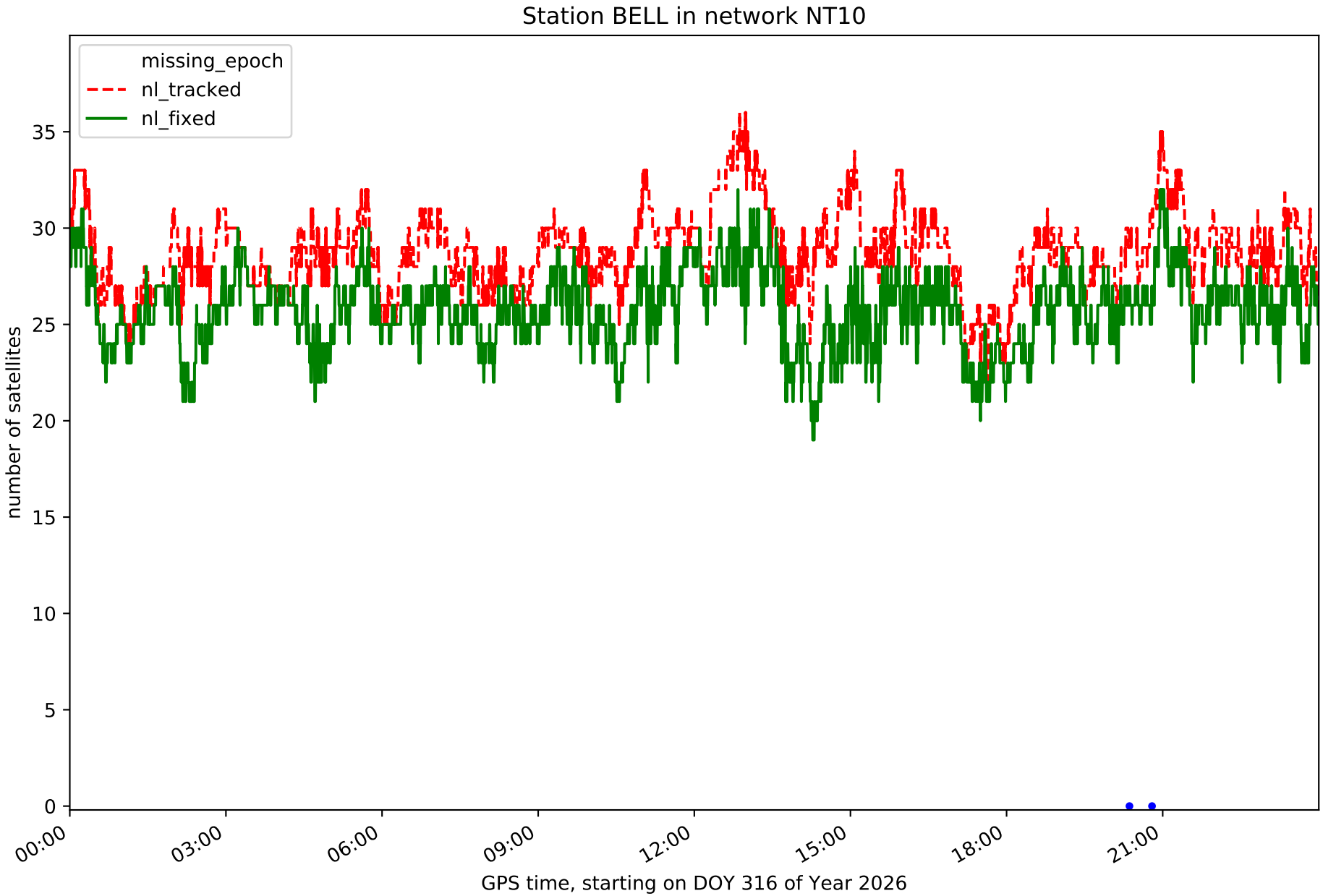

Network NT10 - only GLONASS with threshold set to 0.3
l1_tracked
l1_fixed (92.0 % fixed)
l2_tracked
l2_fixed (92.0 % fixed)
number of satellites
0
2
4
6
8
10
12
14
16
18
20
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

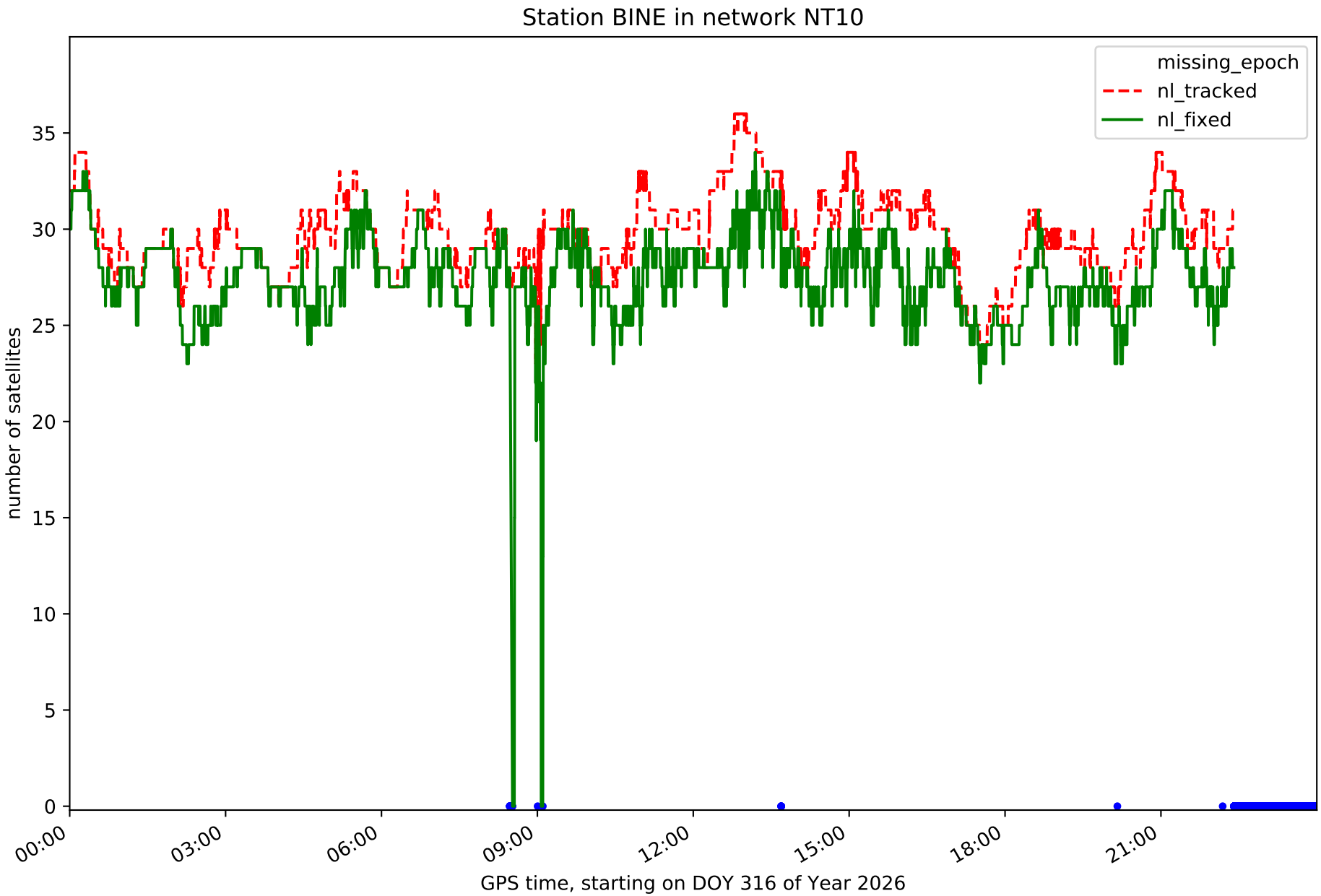

Network NT10 - only BDS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 316 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
I2_tracked
I2_fixed (88.9 % fixed)
I6_tracked
I6_fixed (89.1 % fixed)
I7_tracked
I7_fixed (0.0 % fixed)

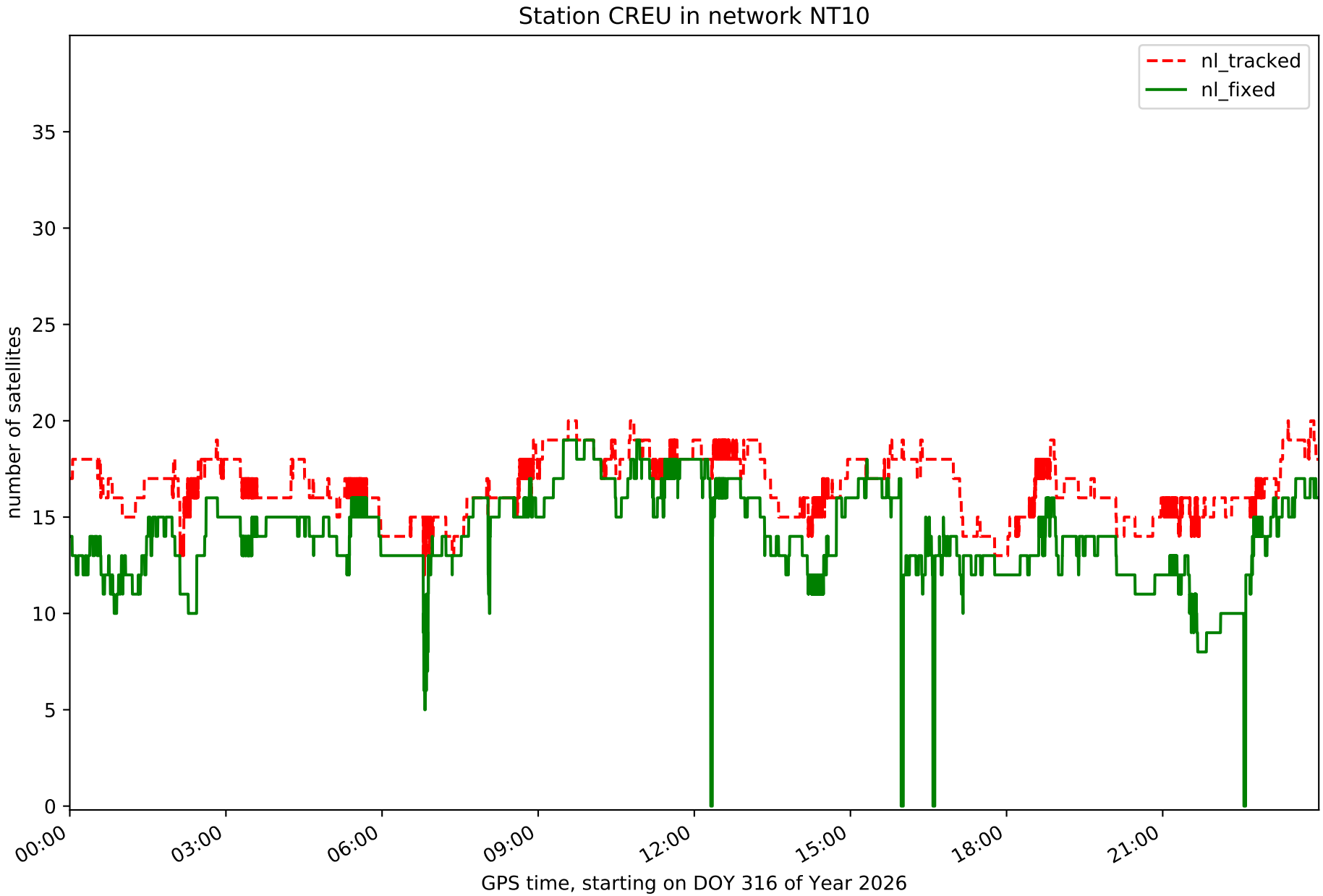

Network NT10 - only Galileo with threshold set to 0.3
number of satellites
GPS time, starting on DOY 316 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
l1_tracked
l1_fixed (94.9 % fixed)
l5_tracked
l5_fixed (95.2 % fixed)
l7_tracked
l7_fixed (95.2 % fixed)

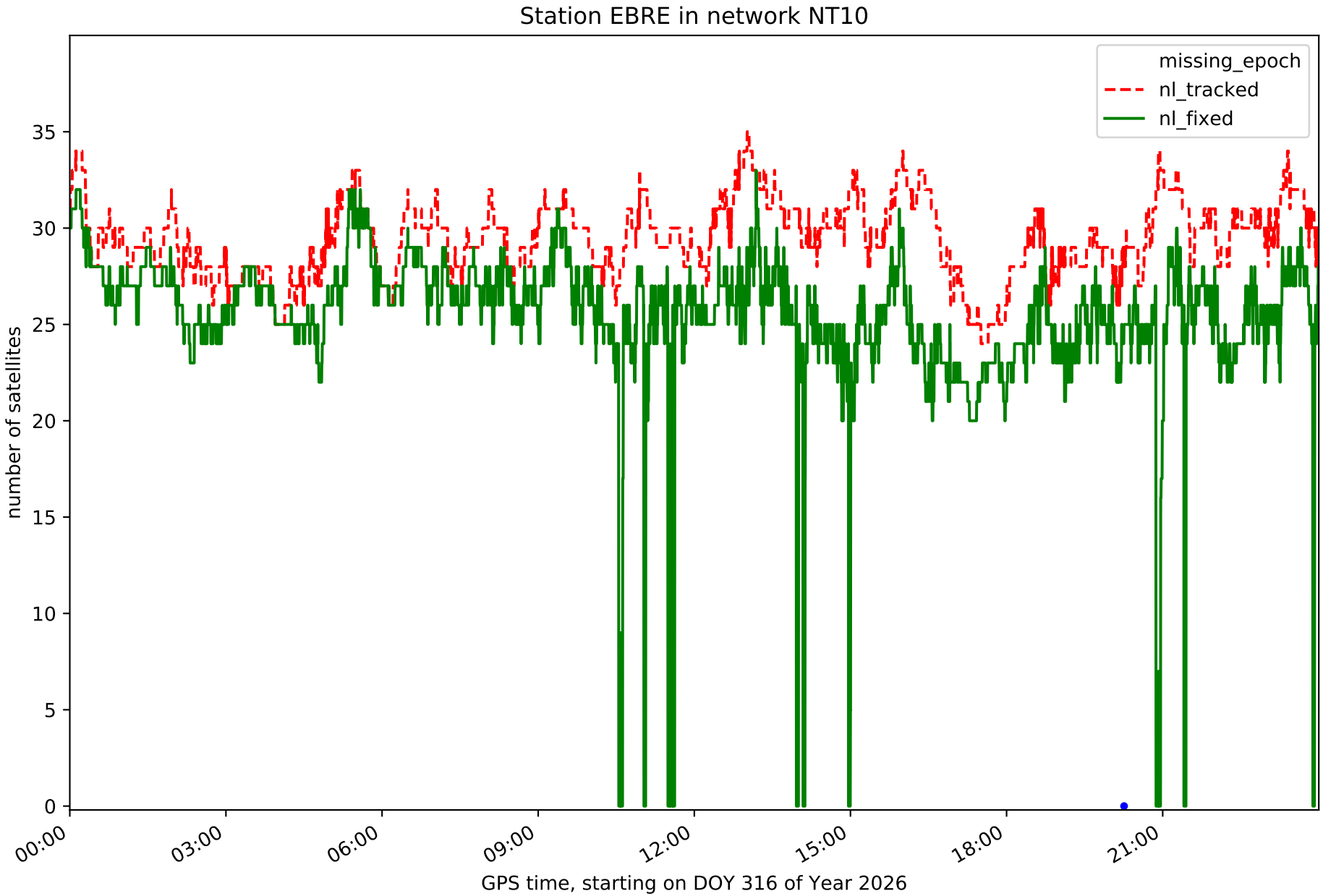

Station BCL1 in network NT10
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

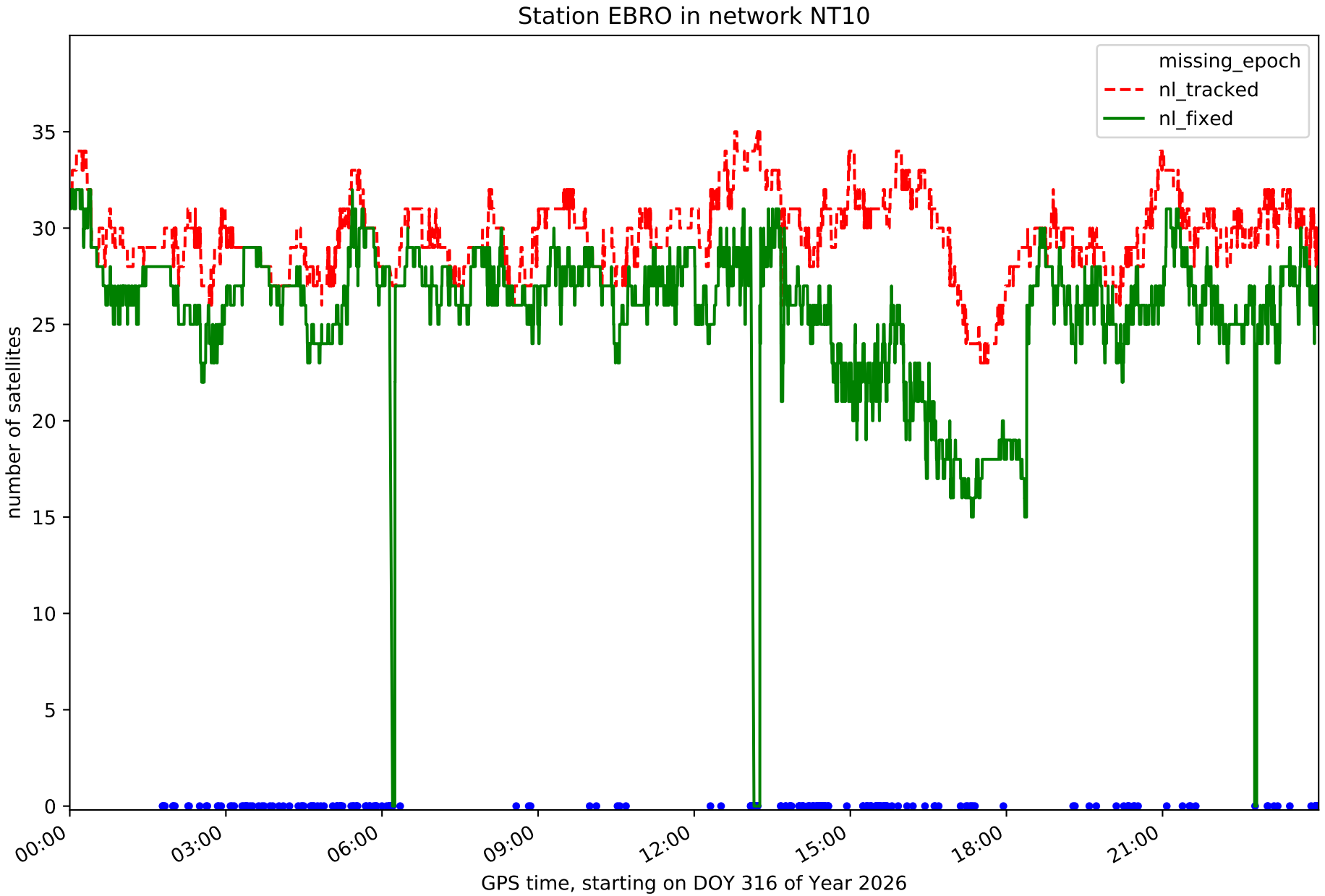

Station BCLN in network NT10
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

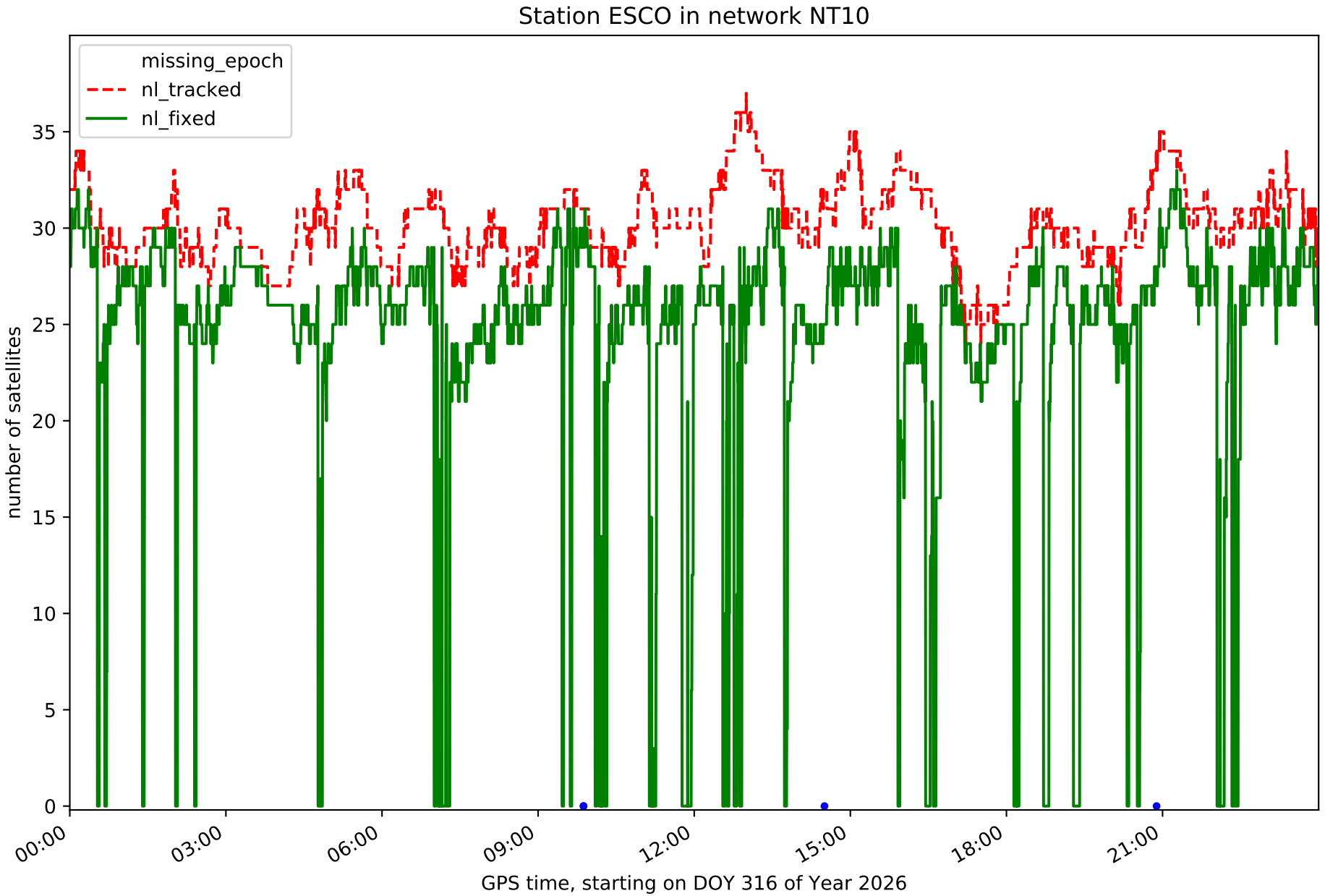

Station BELL in network NT10
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

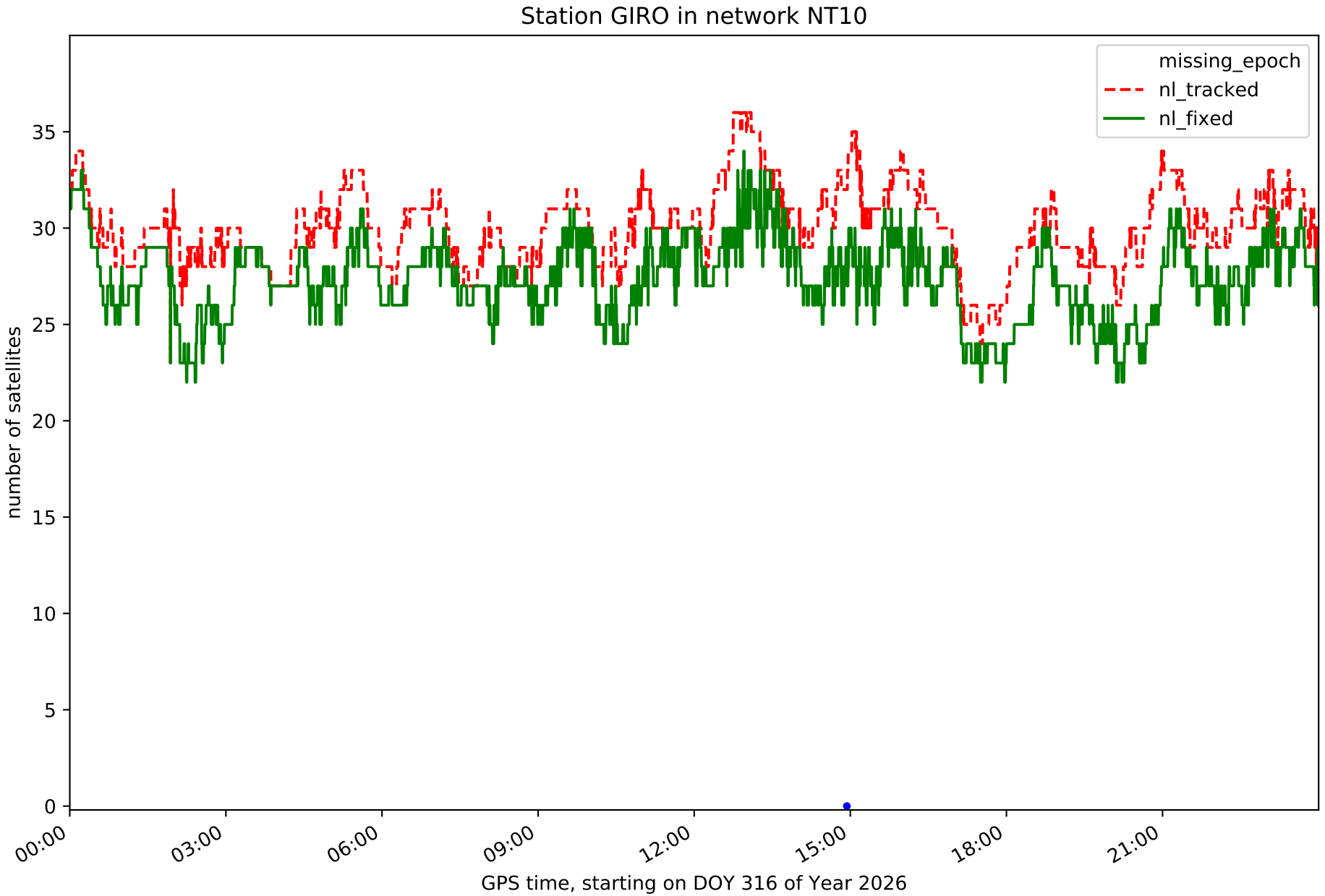

Station BINE in network NT10
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

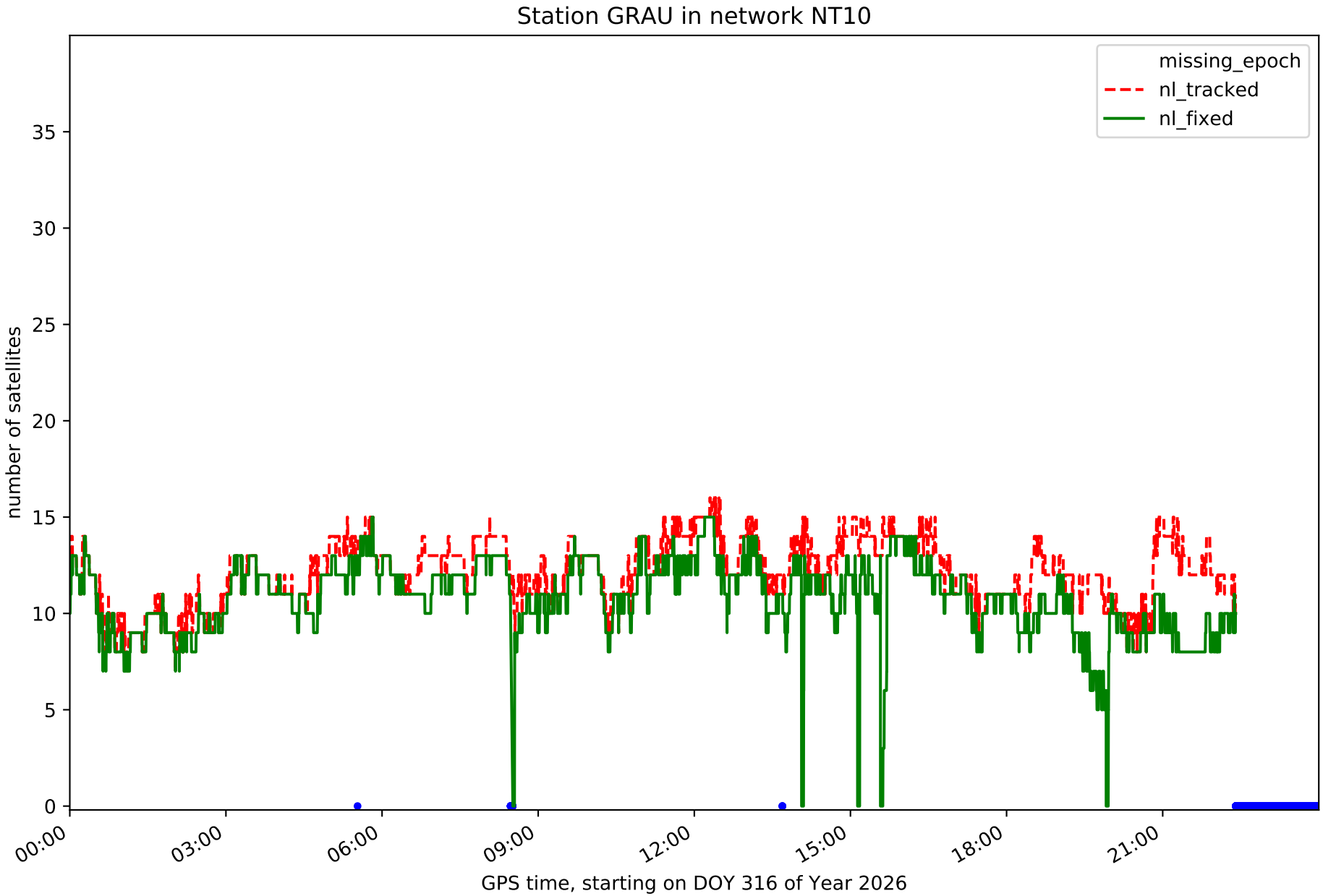

Station CREU in network NT10
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

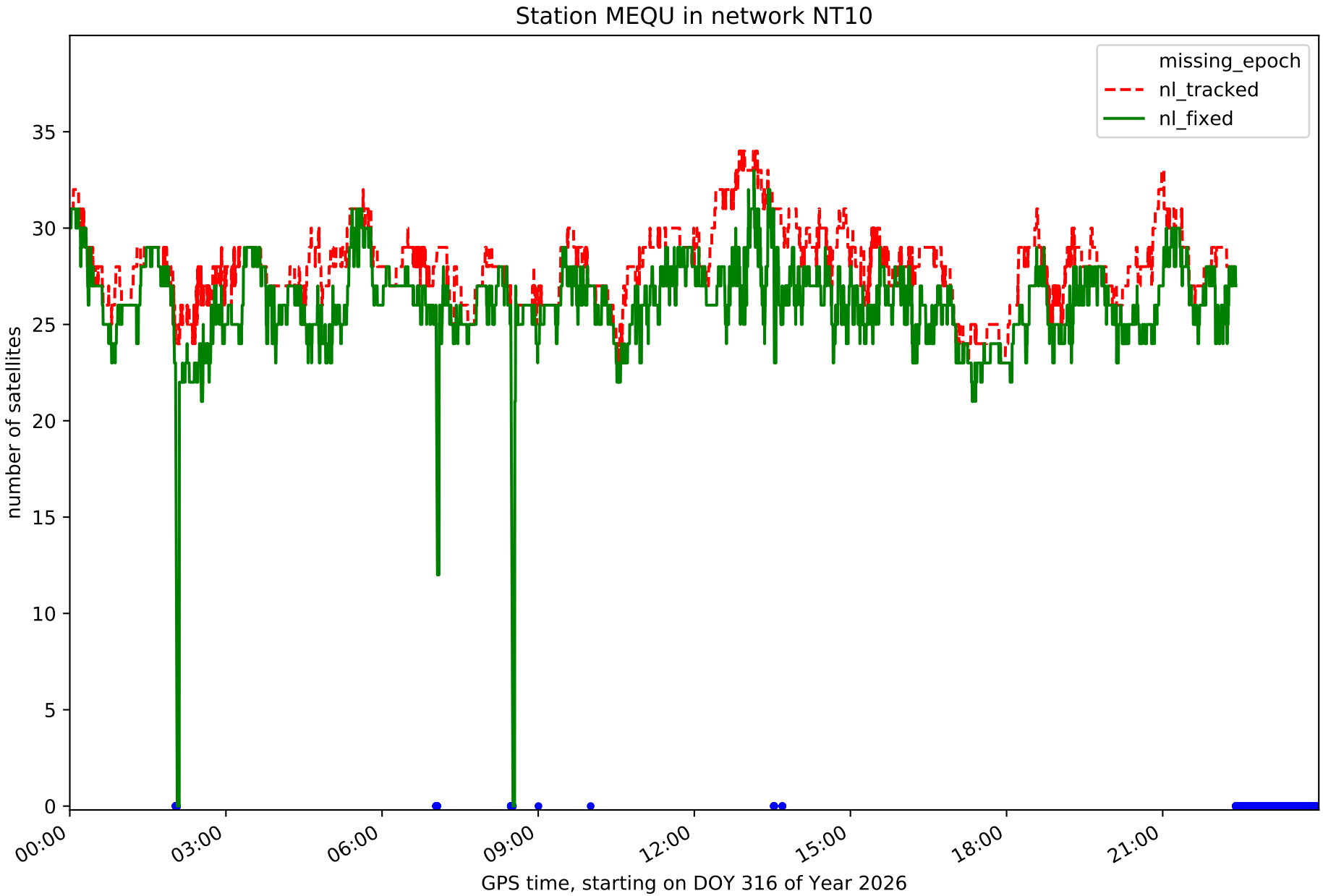

Station EBRE in network NT10
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

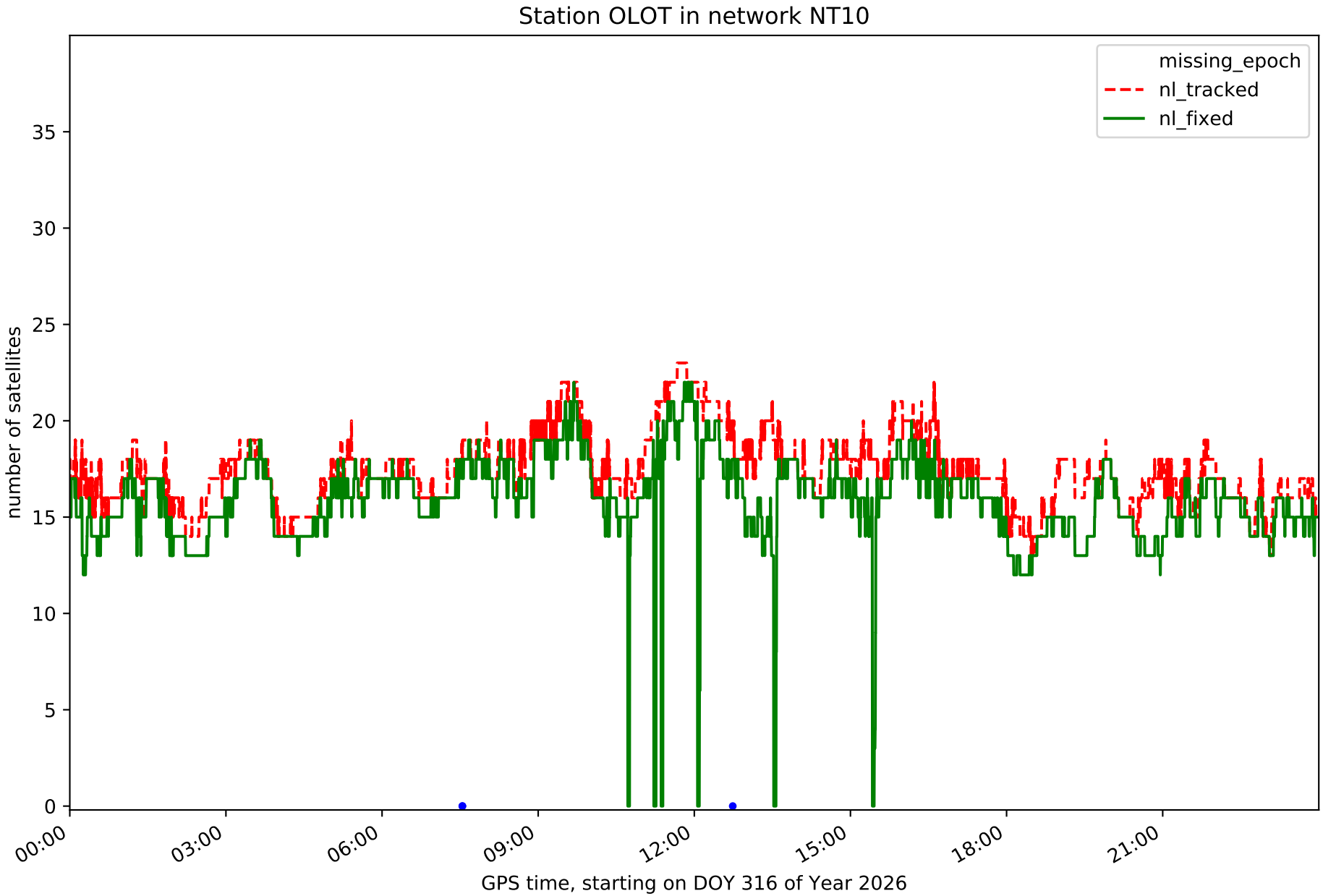

Station EBRO in network NT10
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

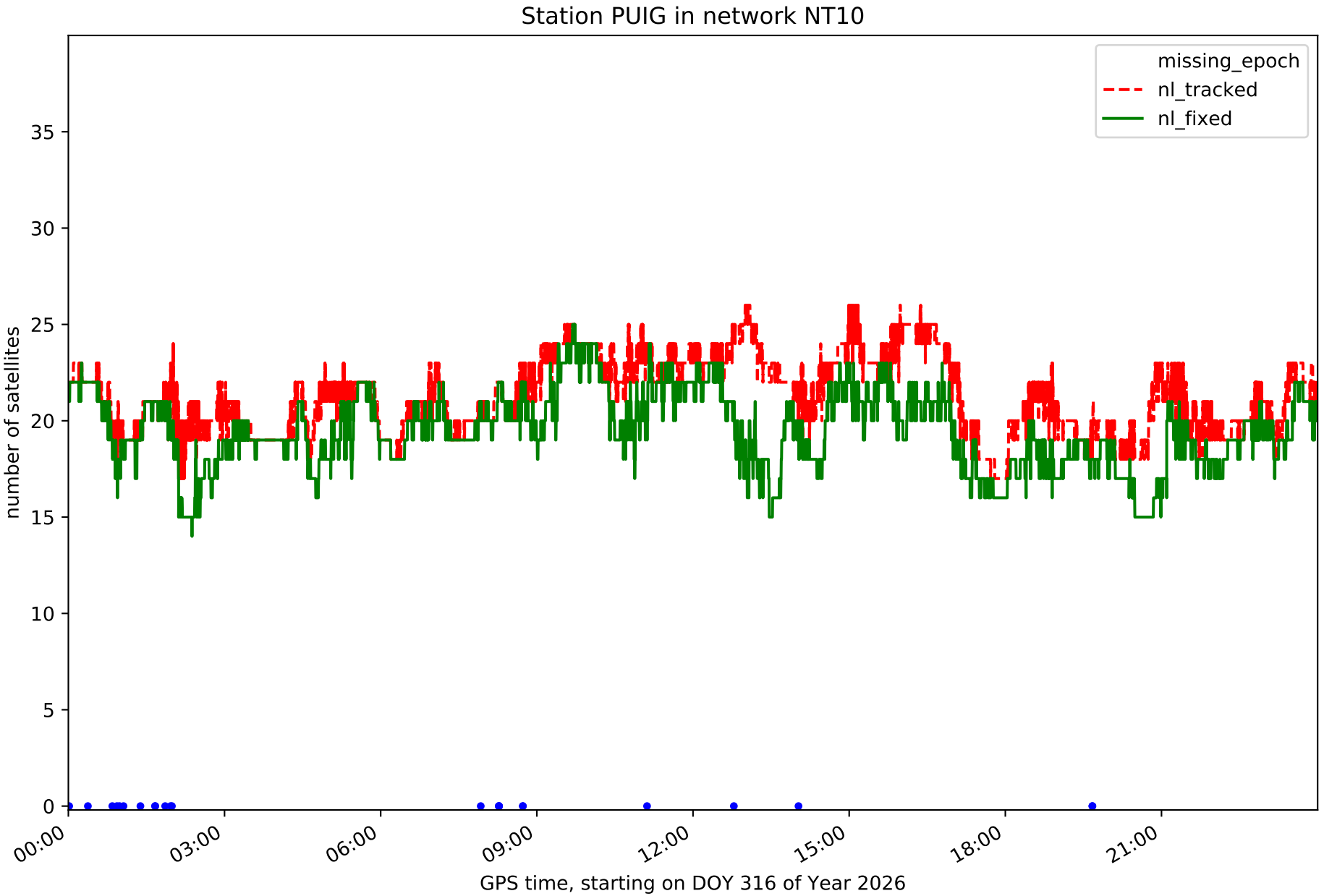

Station ESCO in network NT10
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

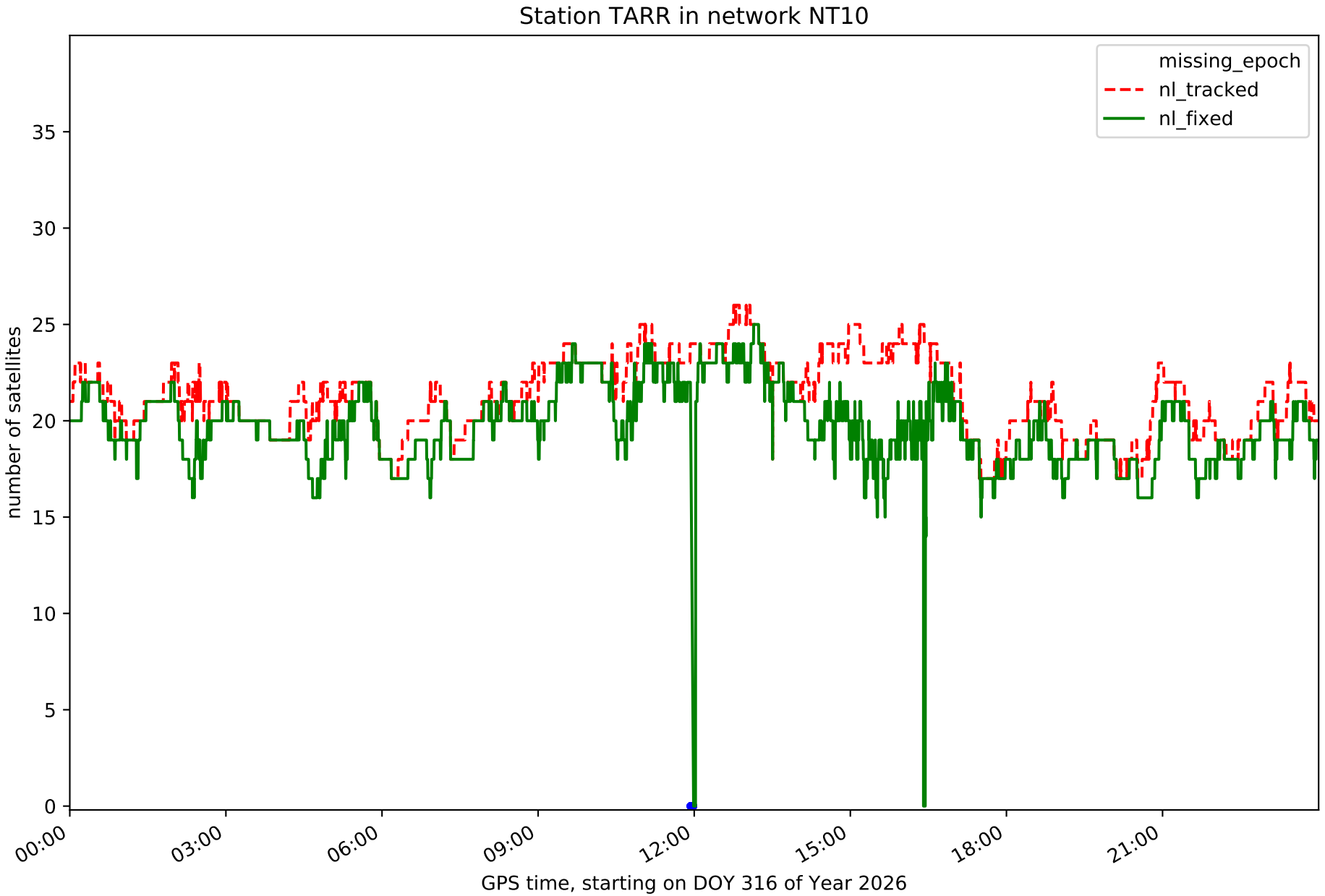

Station GIRO in network NT10
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

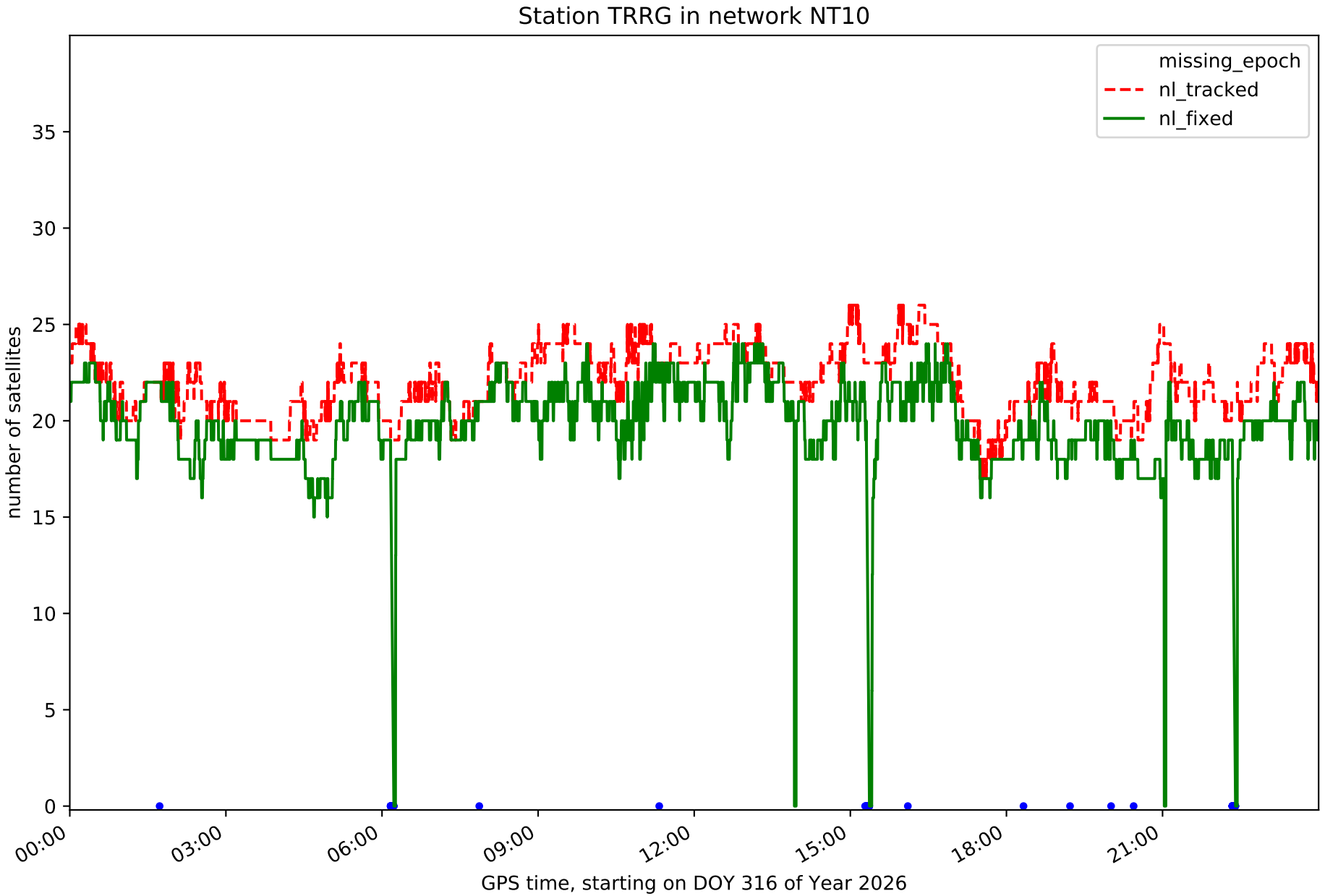

Station GRAU in network NT10
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

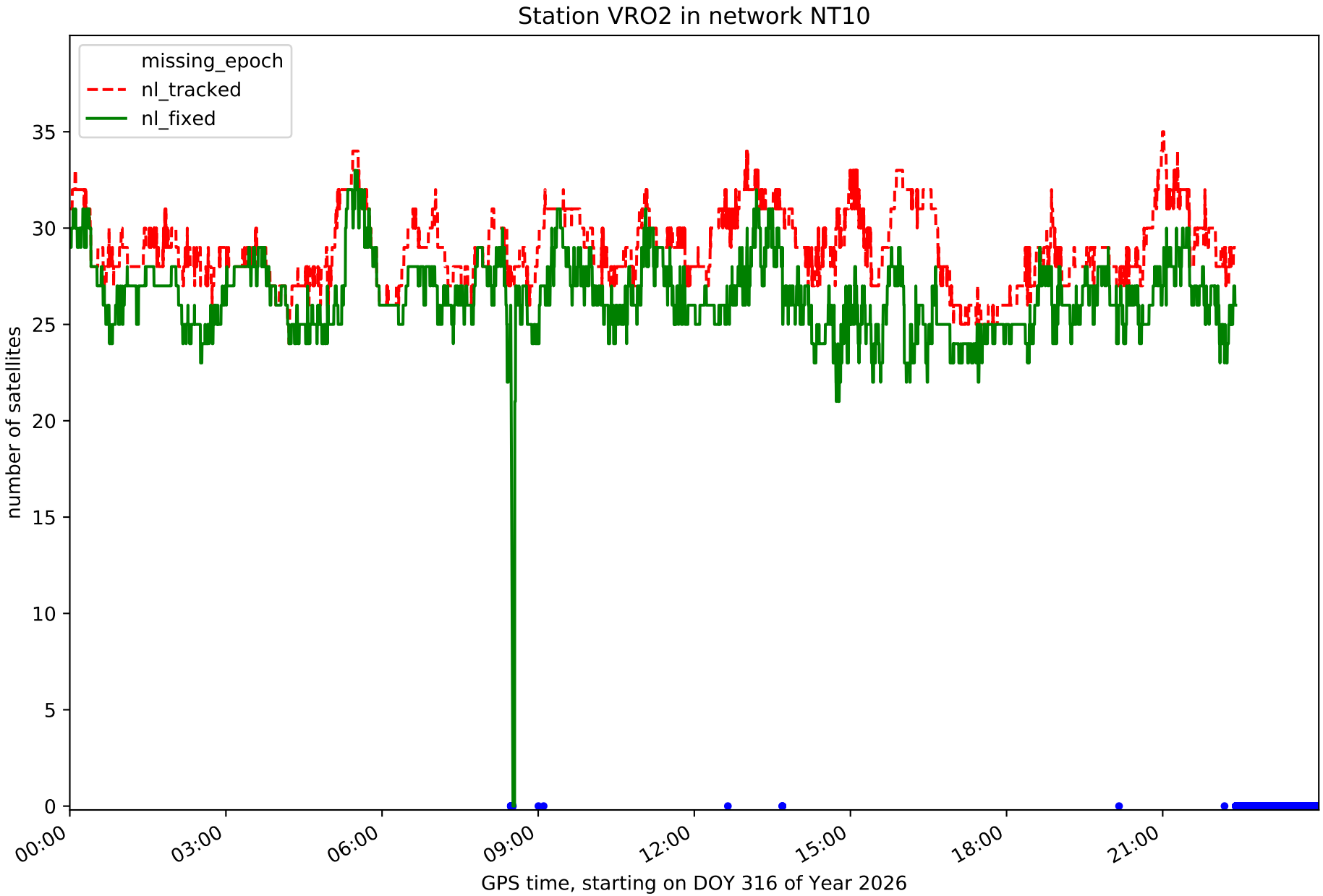

Station MEQU in network NT10
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

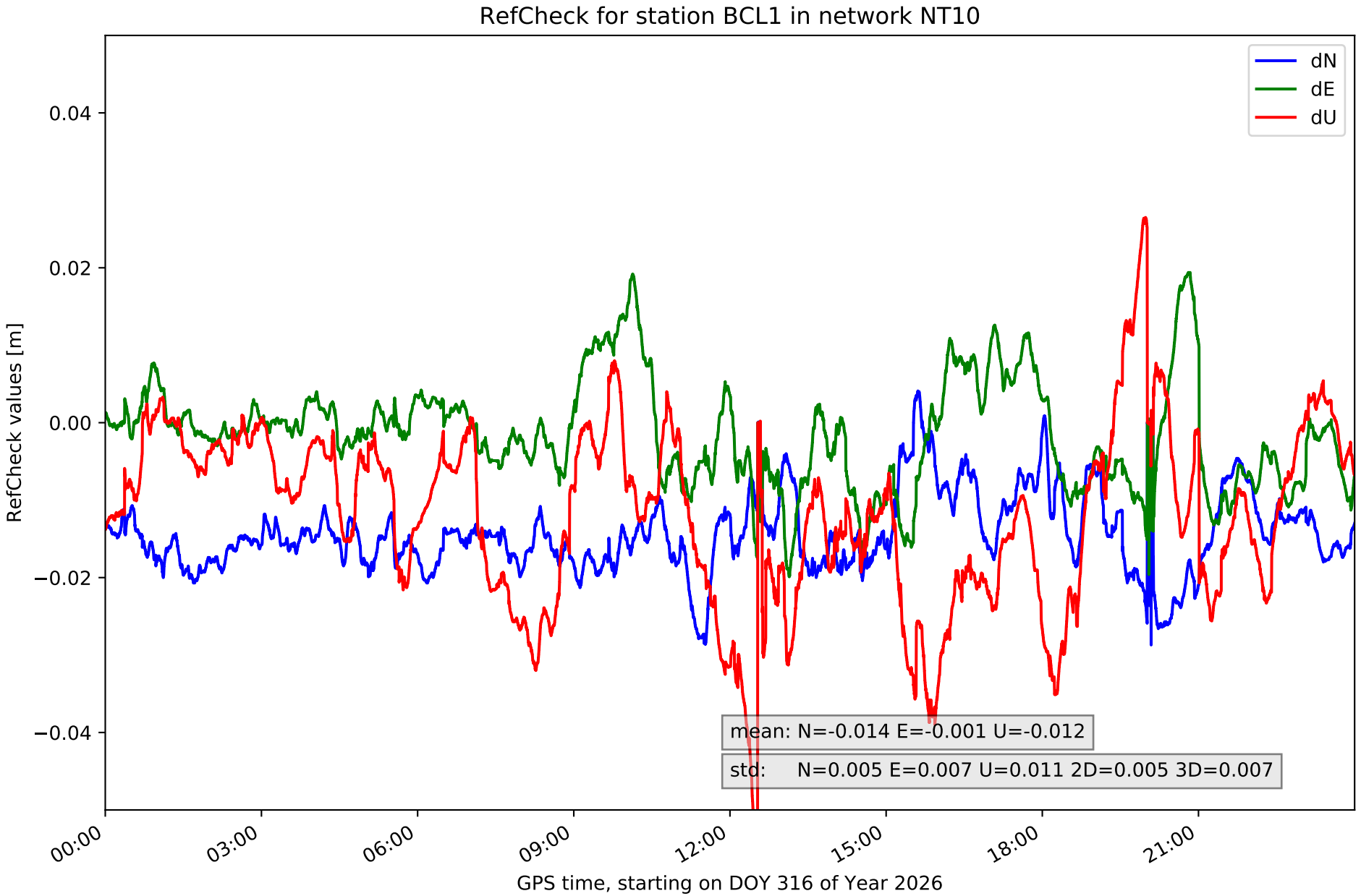

Station OLOT in network NT10
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

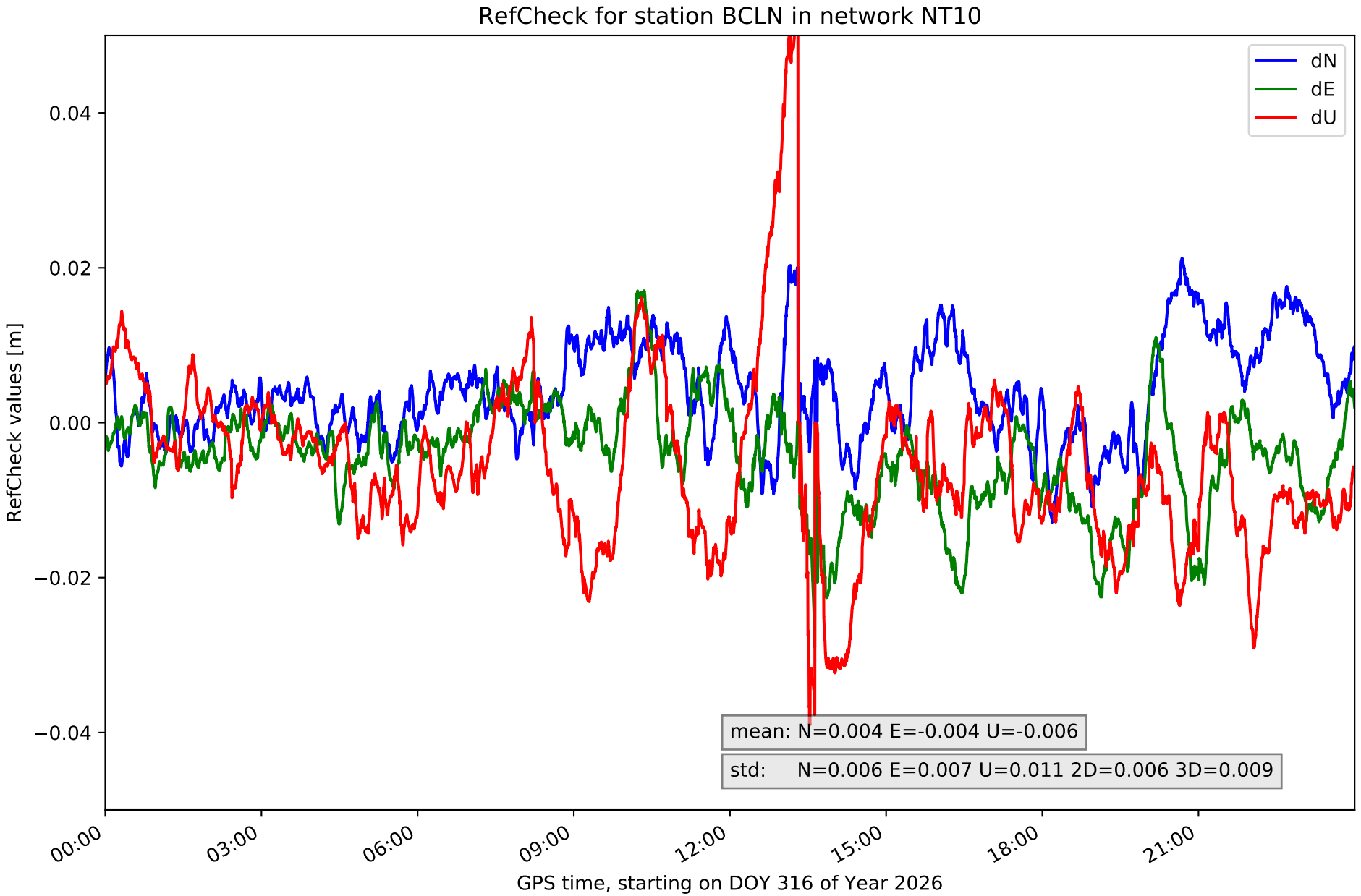

Station PUIG in network NT10
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

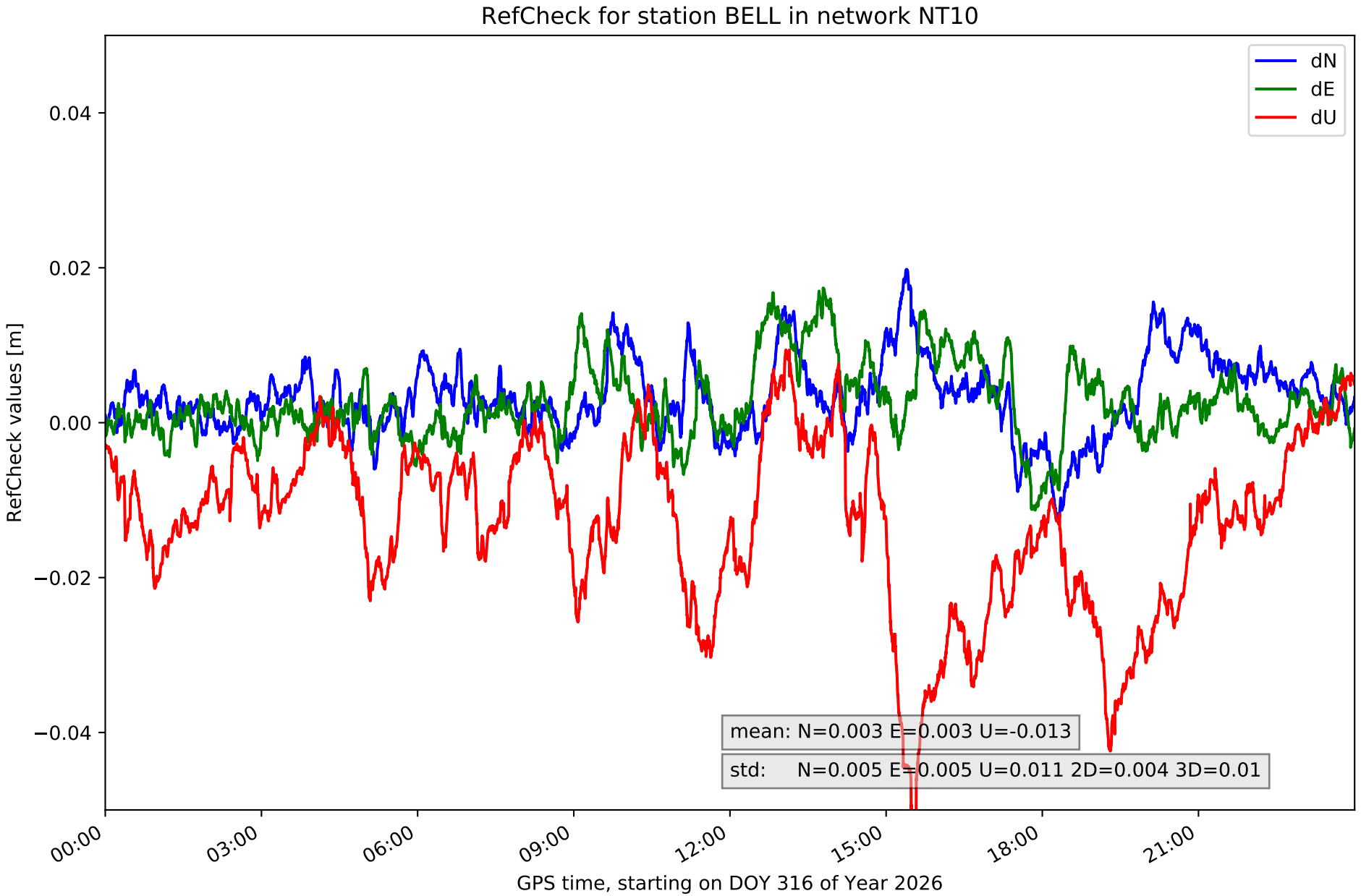

Station TARR in network NT10
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

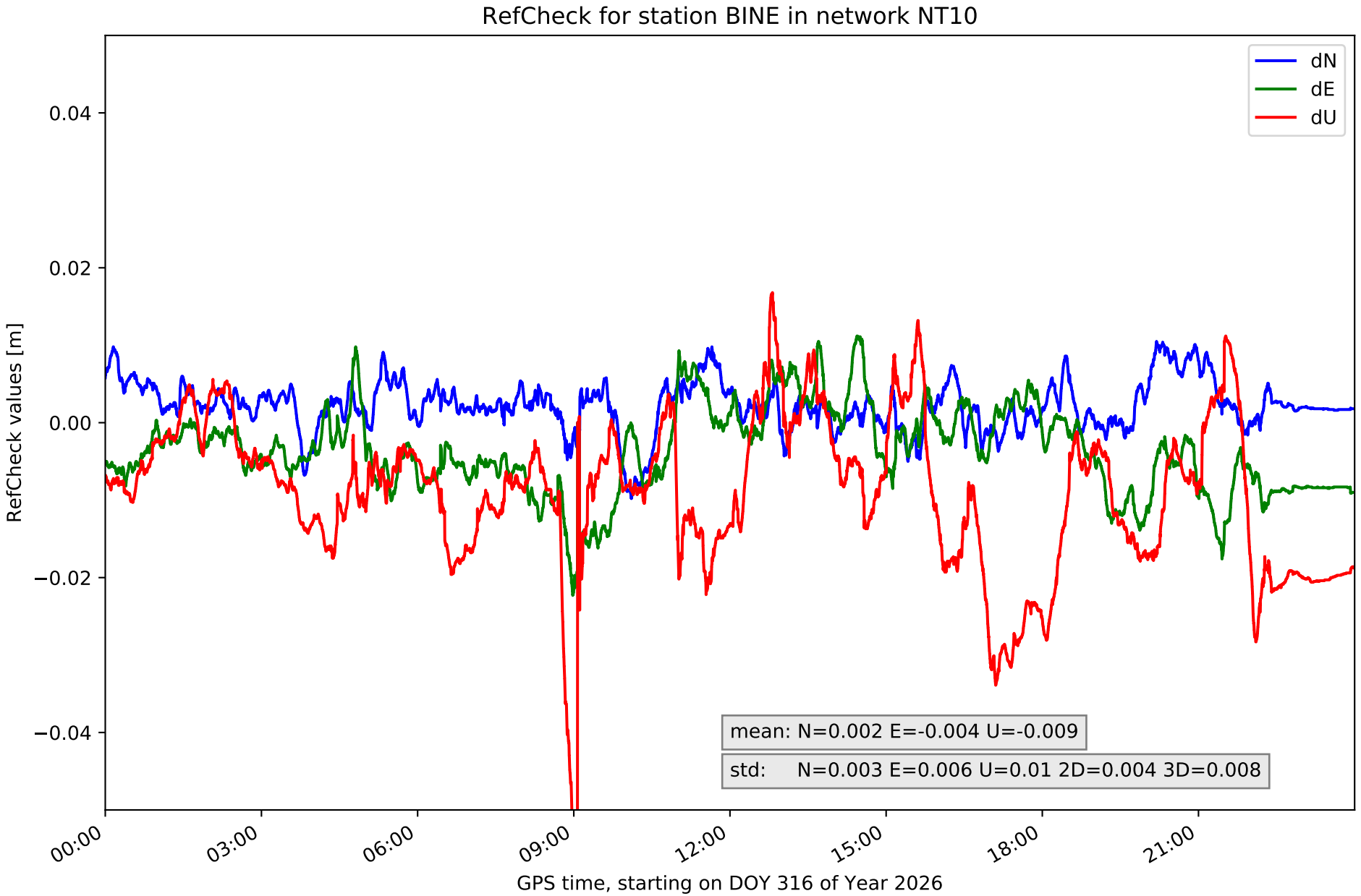

Station TRRG in network NT10
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

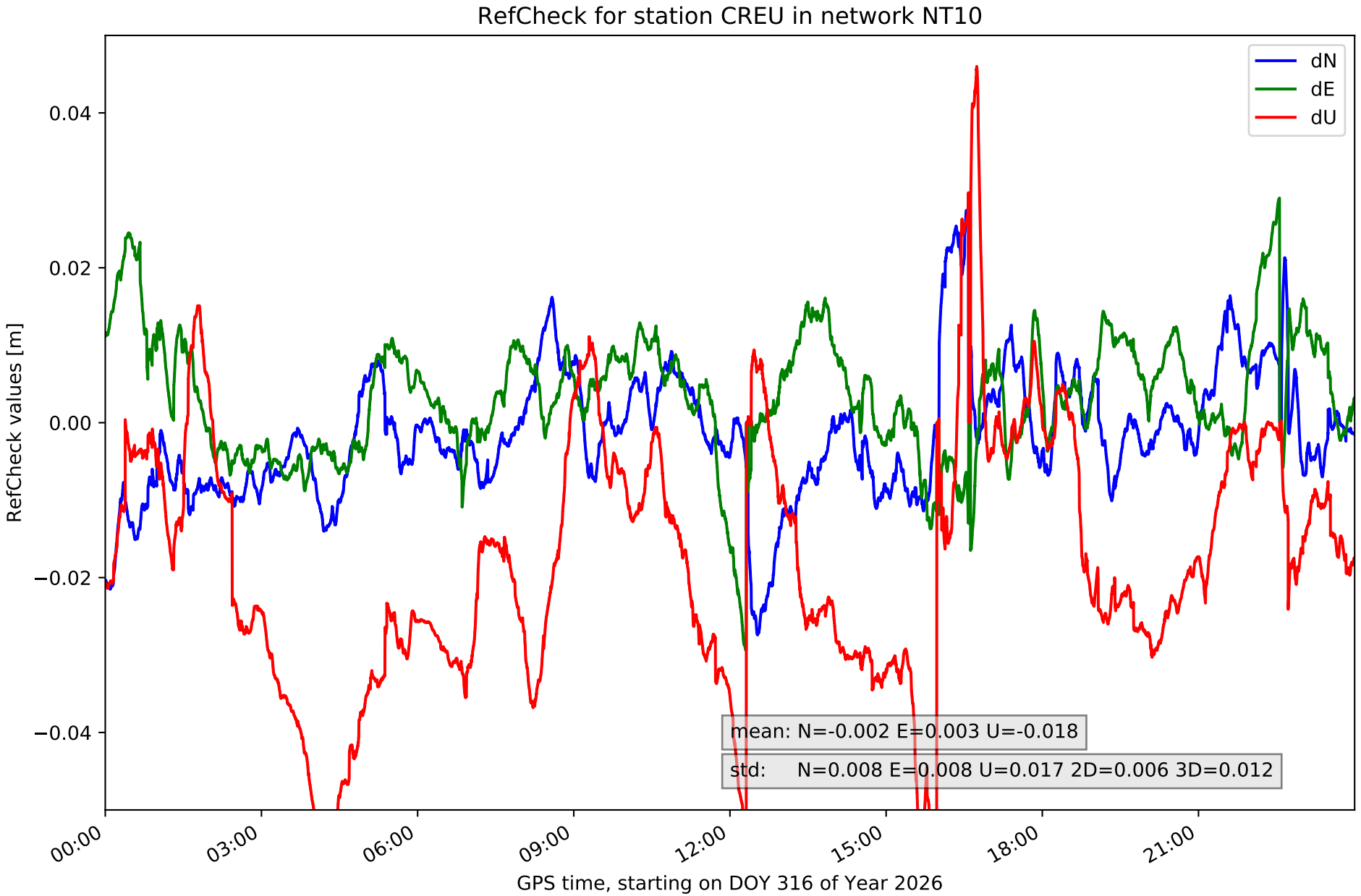

Station VRO2 in network NT10
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

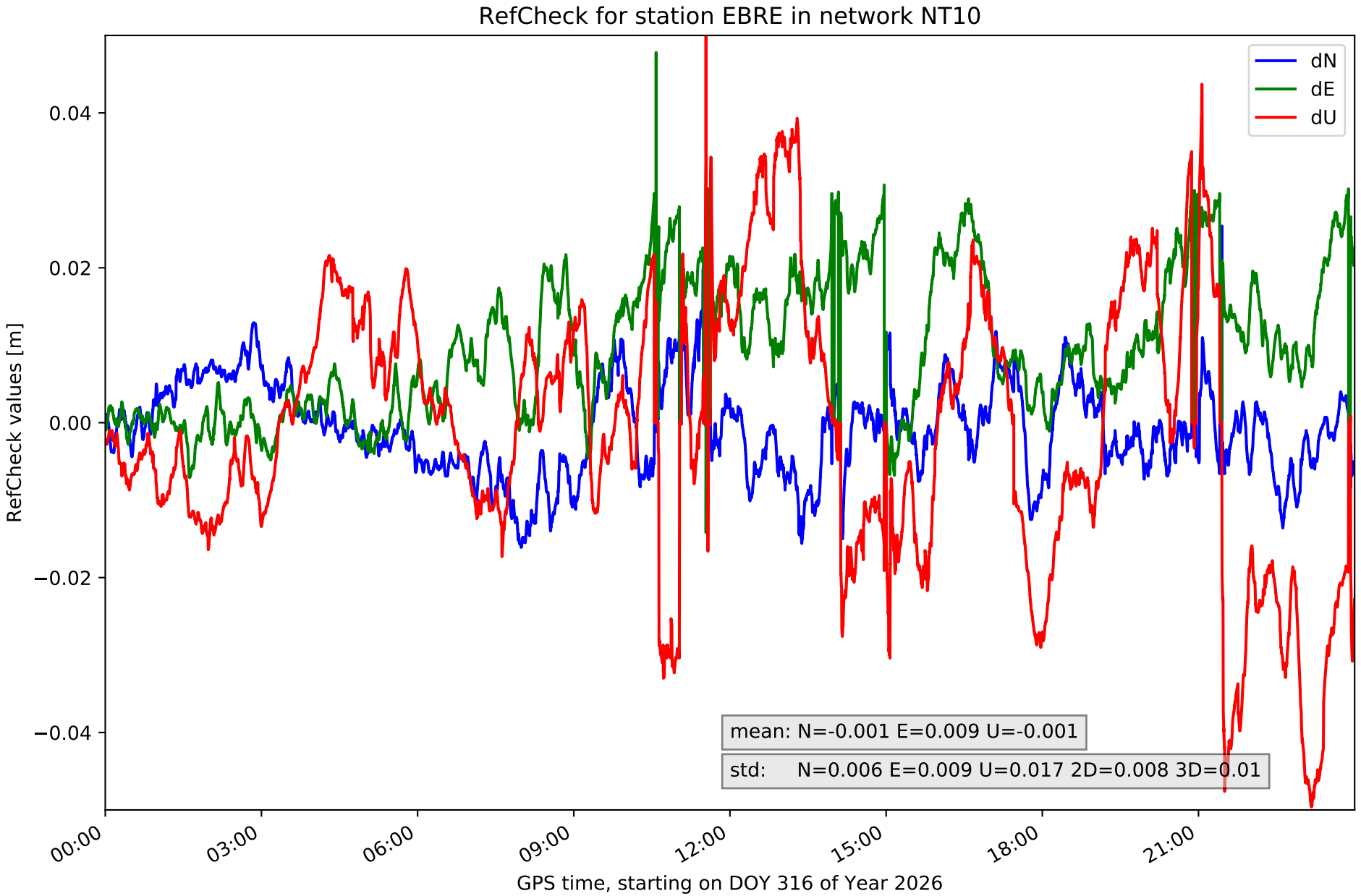

RefCheck for station BCL1 in network NT10
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.014 E=-0.001 U=-0.012
std: N=0.005 E=0.007 U=0.011 2D=0.005 3D=0.007
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

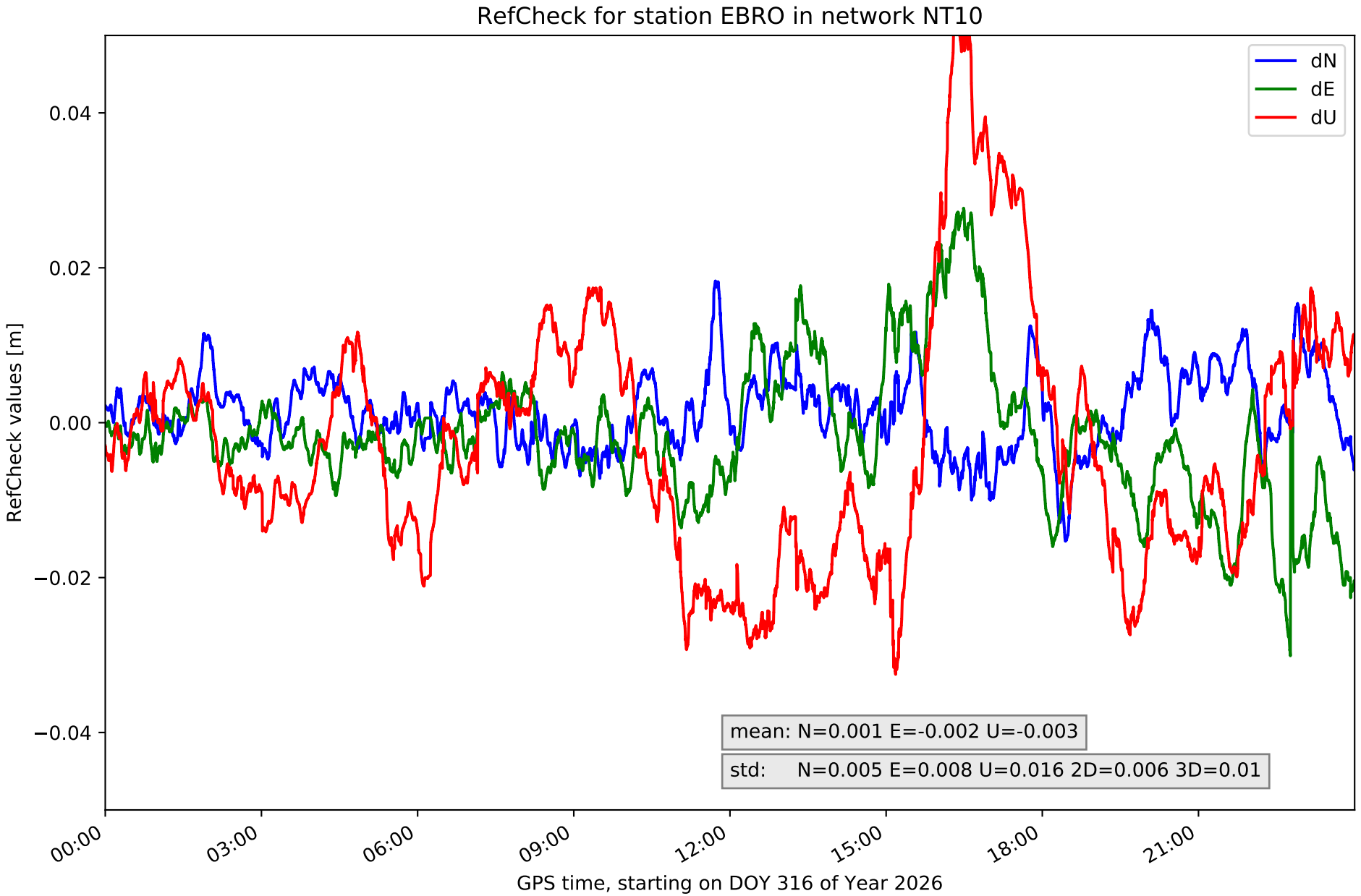

RefCheck for station BCLN in network NT10
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.004 E=-0.004 U=-0.006
std: N=0.006 E=0.007 U=0.011 2D=0.006 3D=0.009
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

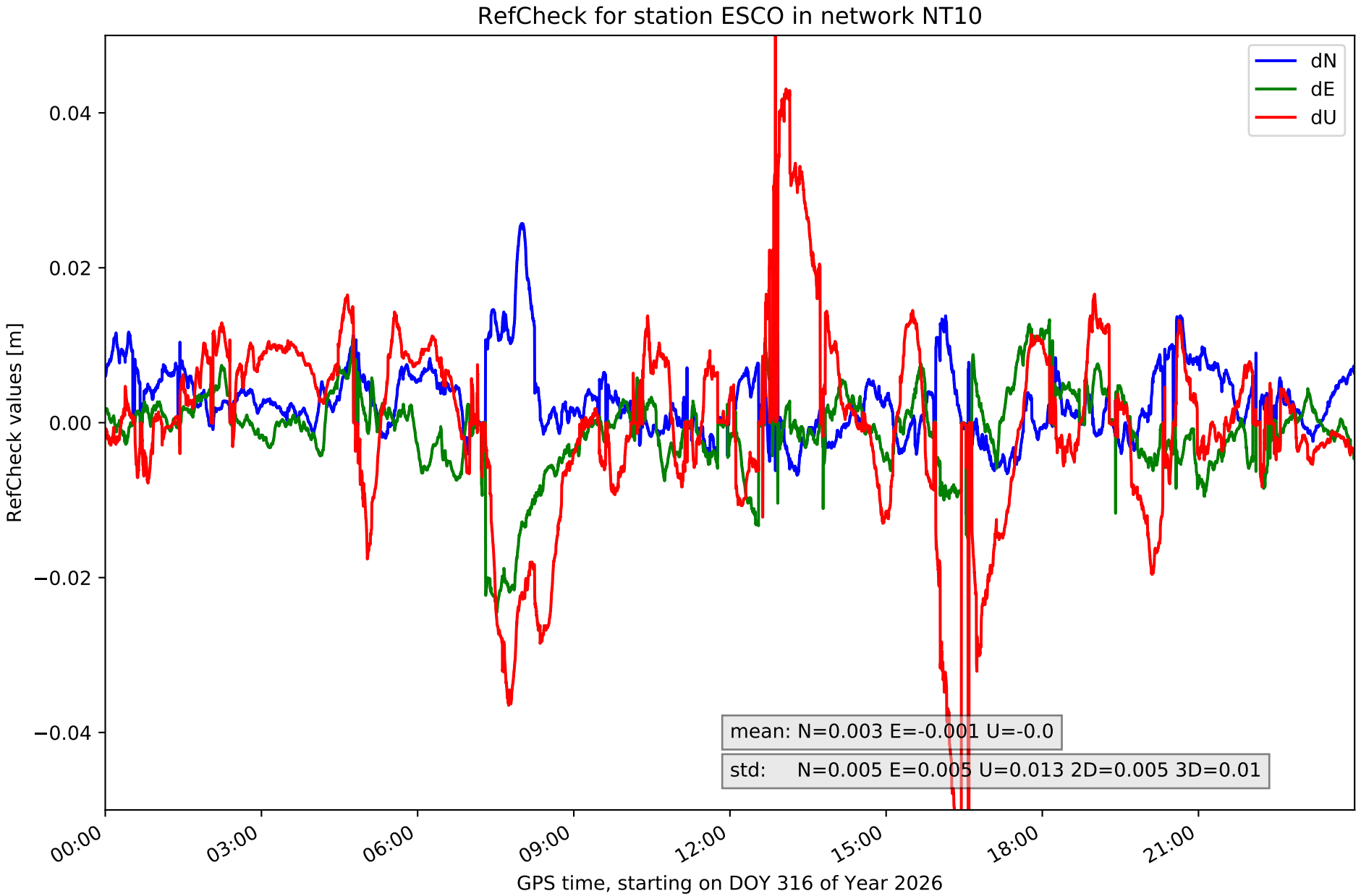

RefCheck for station BELL in network NT10
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.003 E=0.003 U=-0.013
std: N=0.005 E=0.005 U=0.011 2D=0.004 3D=0.01
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

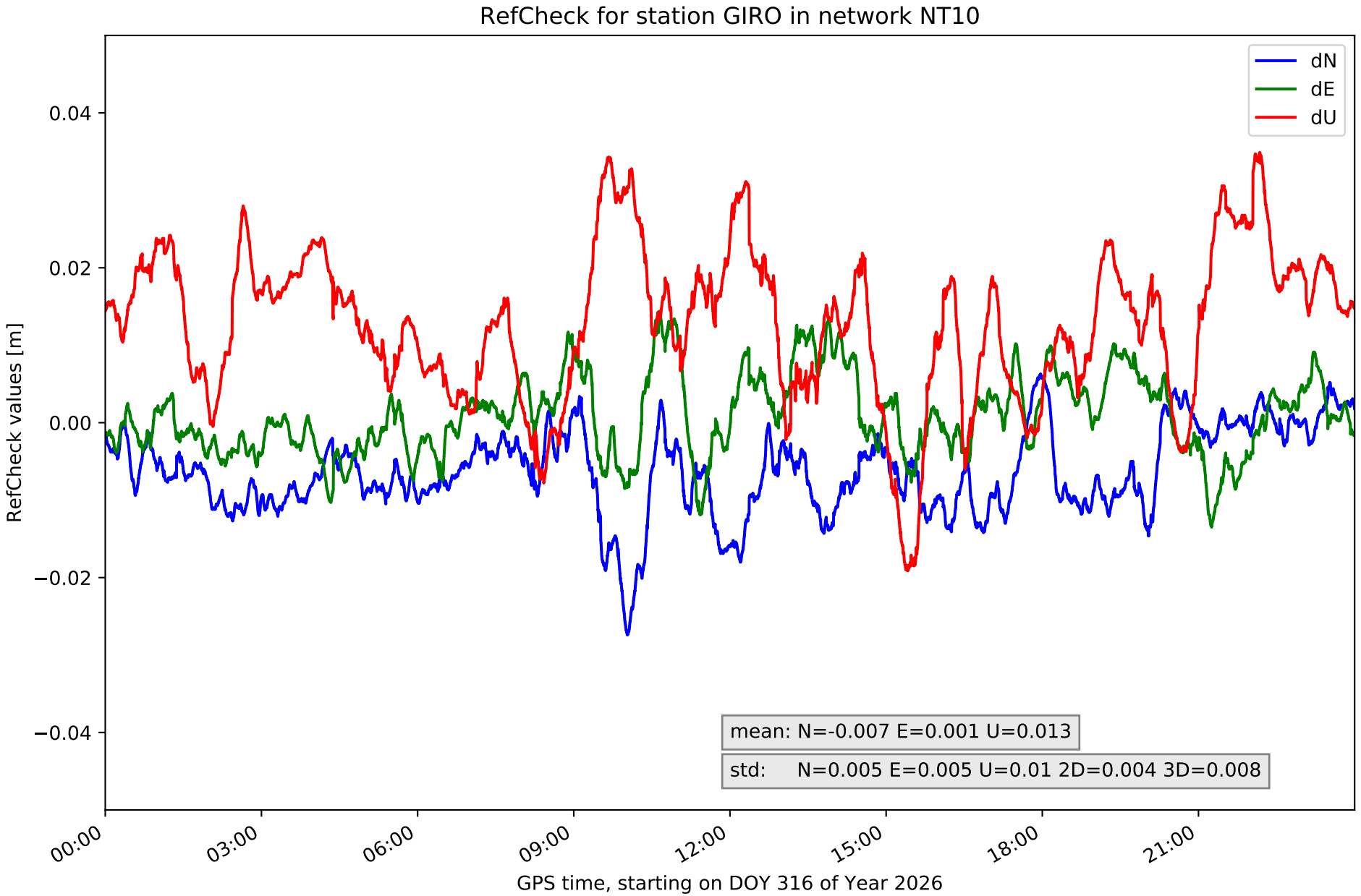

RefCheck for station BINE in network NT10
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=-0.004 U=-0.009
std: N=0.003 E=0.006 U=0.01 2D=0.004 3D=0.008
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

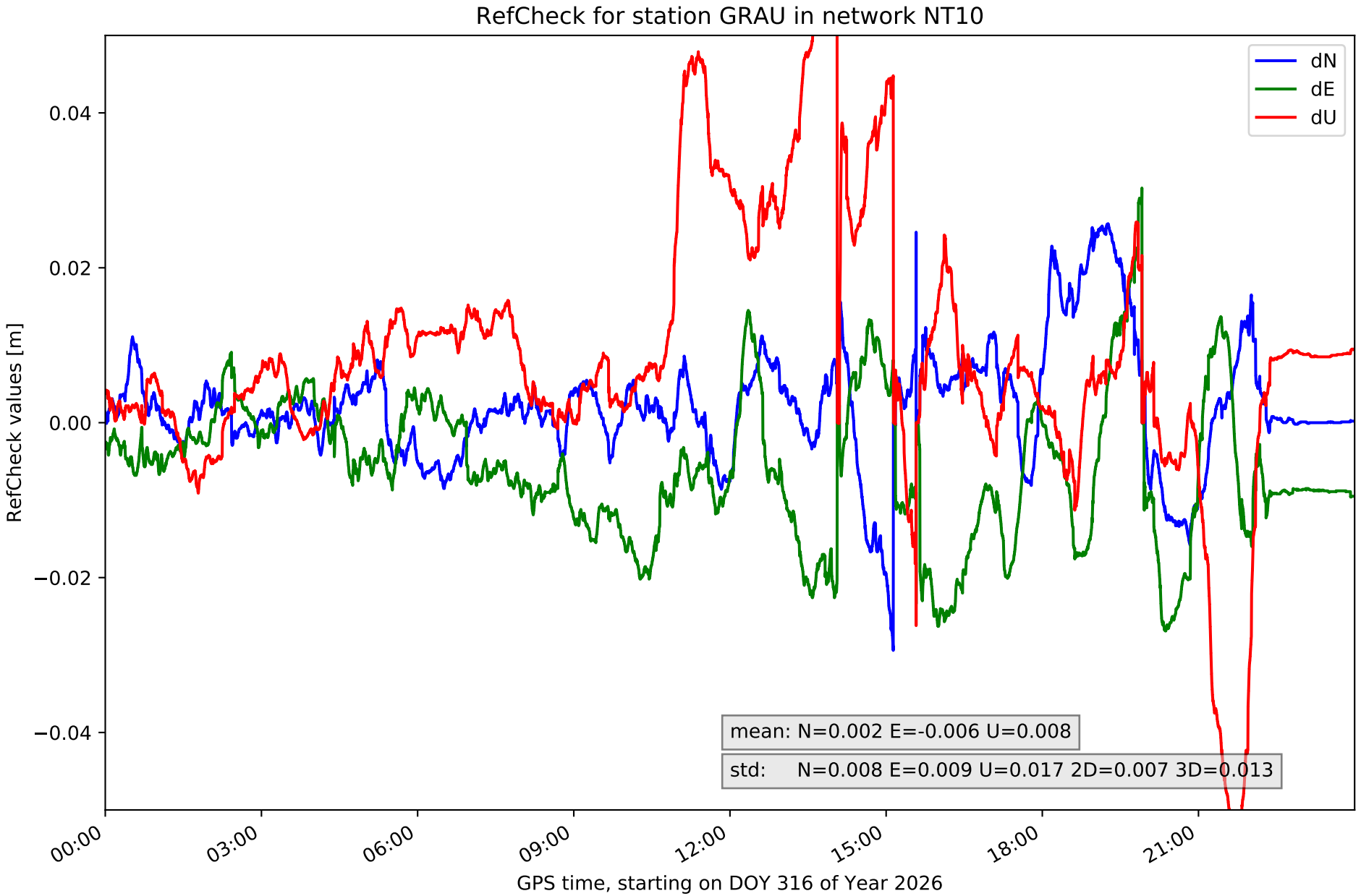

RefCheck for station CREU in network NT10
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.002 E=0.003 U=-0.018
std: N=0.008 E=0.008 U=0.017 2D=0.006 3D=0.012
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

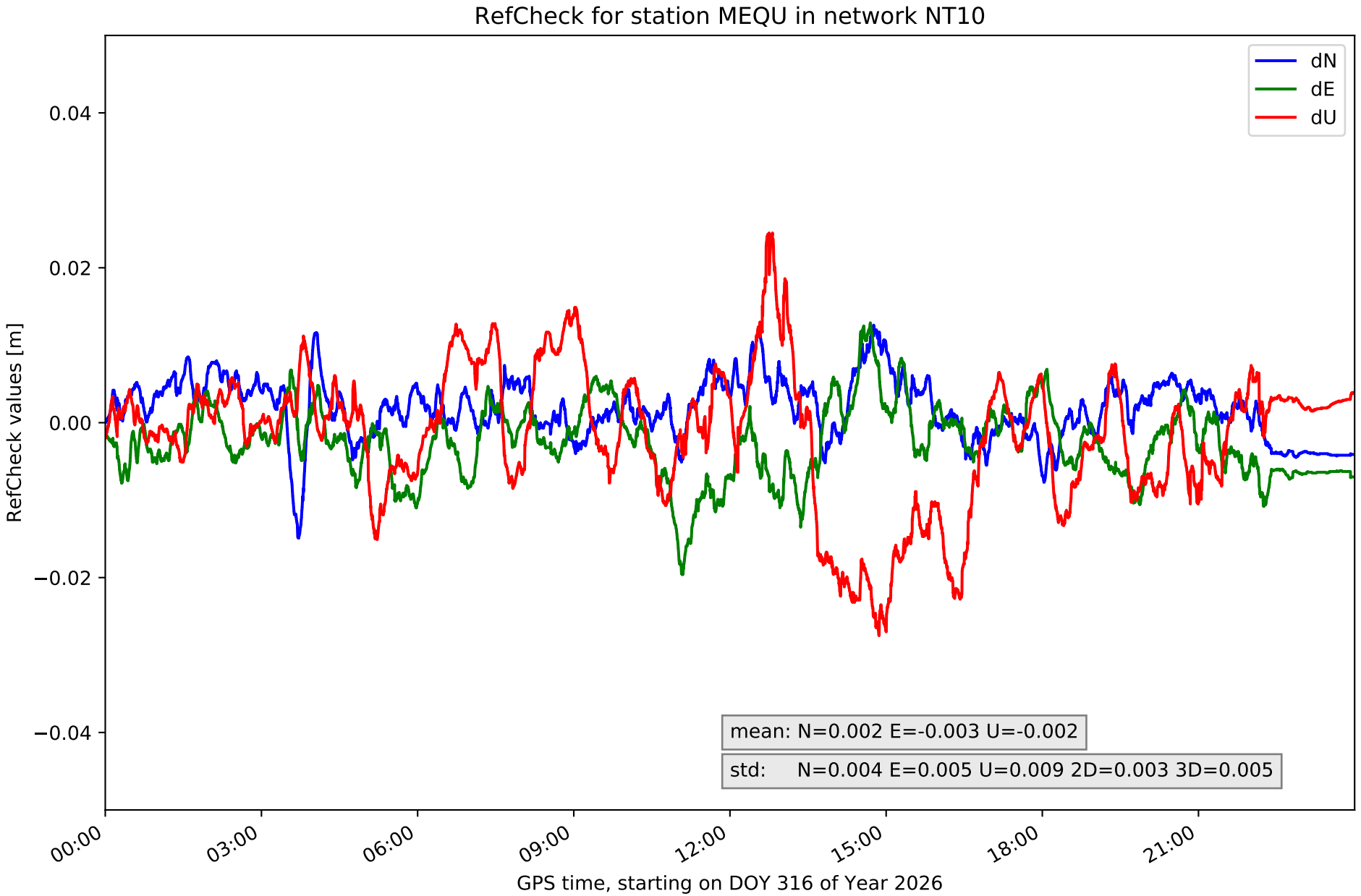

RefCheck for station EBRE in network NT10
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.001 E=0.009 U=-0.001
std: N=0.006 E=0.009 U=0.017 2D=0.008 3D=0.01
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

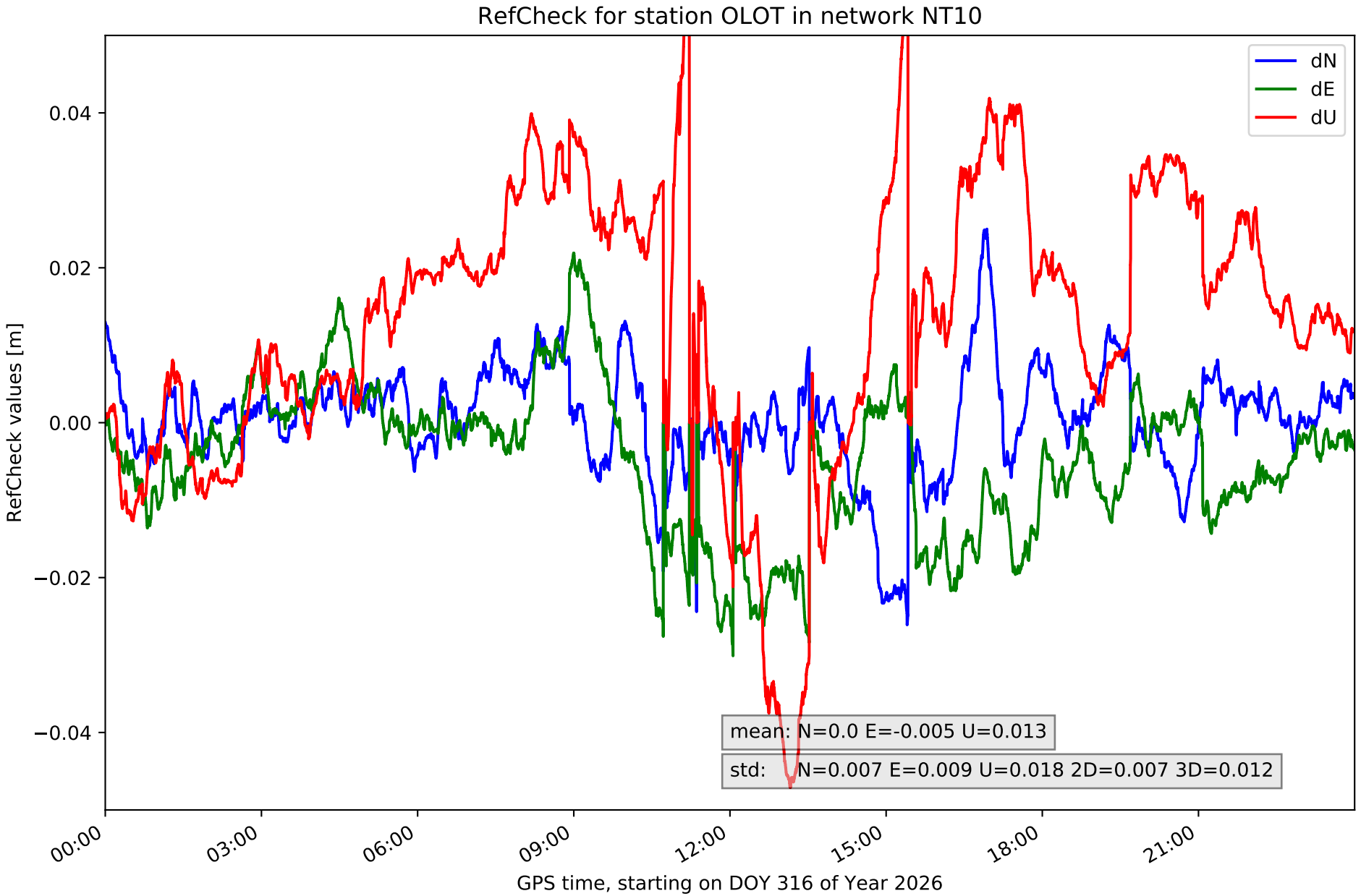

RefCheck for station EBRO in network NT10
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.001 E=-0.002 U=-0.003
std: N=0.005 E=0.008 U=0.016 2D=0.006 3D=0.01
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

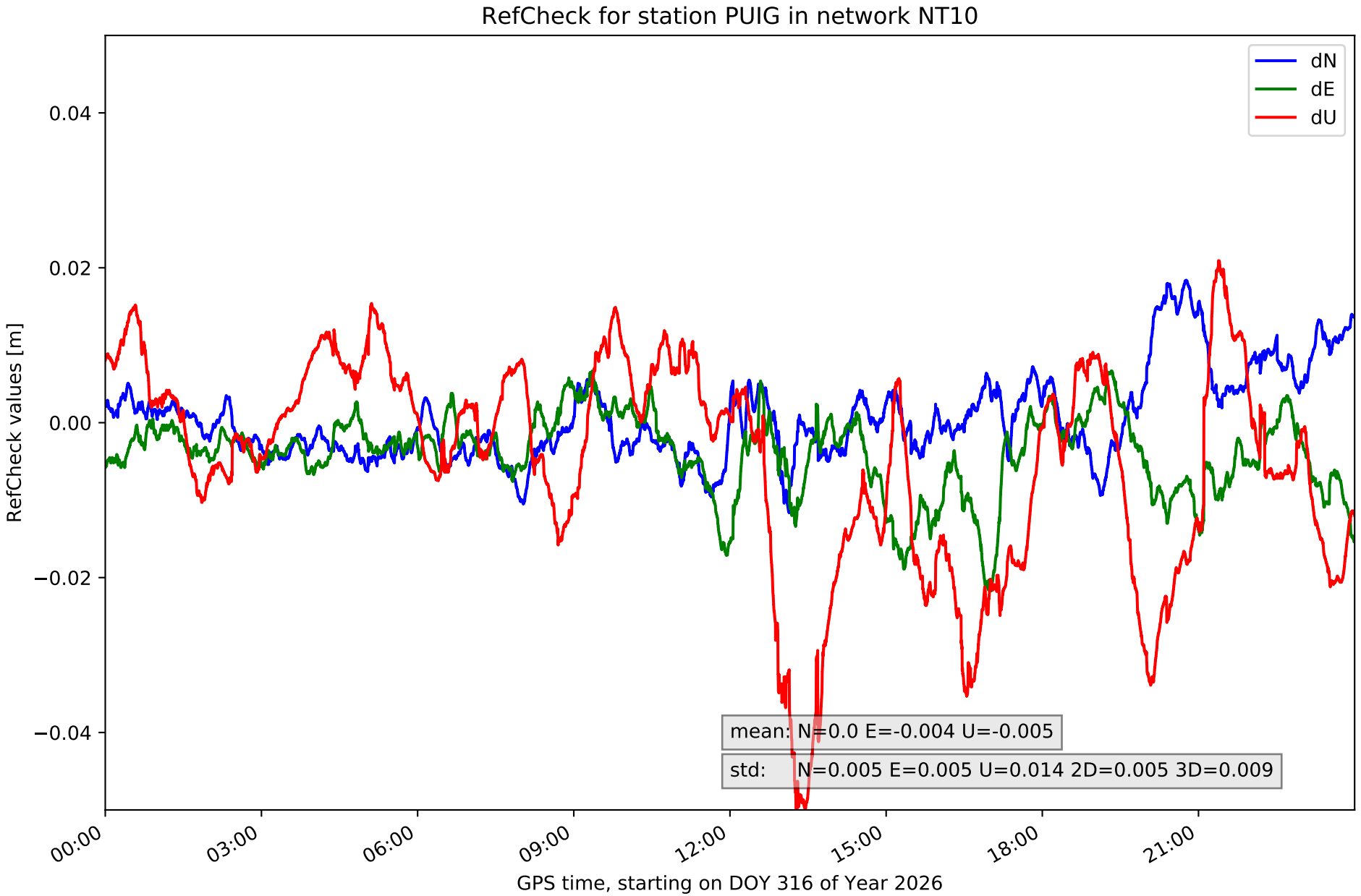

RefCheck for station ESCO in network NT10
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.003 E=-0.001 U=-0.0
std: N=0.005 E=0.005 U=0.013 2D=0.005 3D=0.01
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

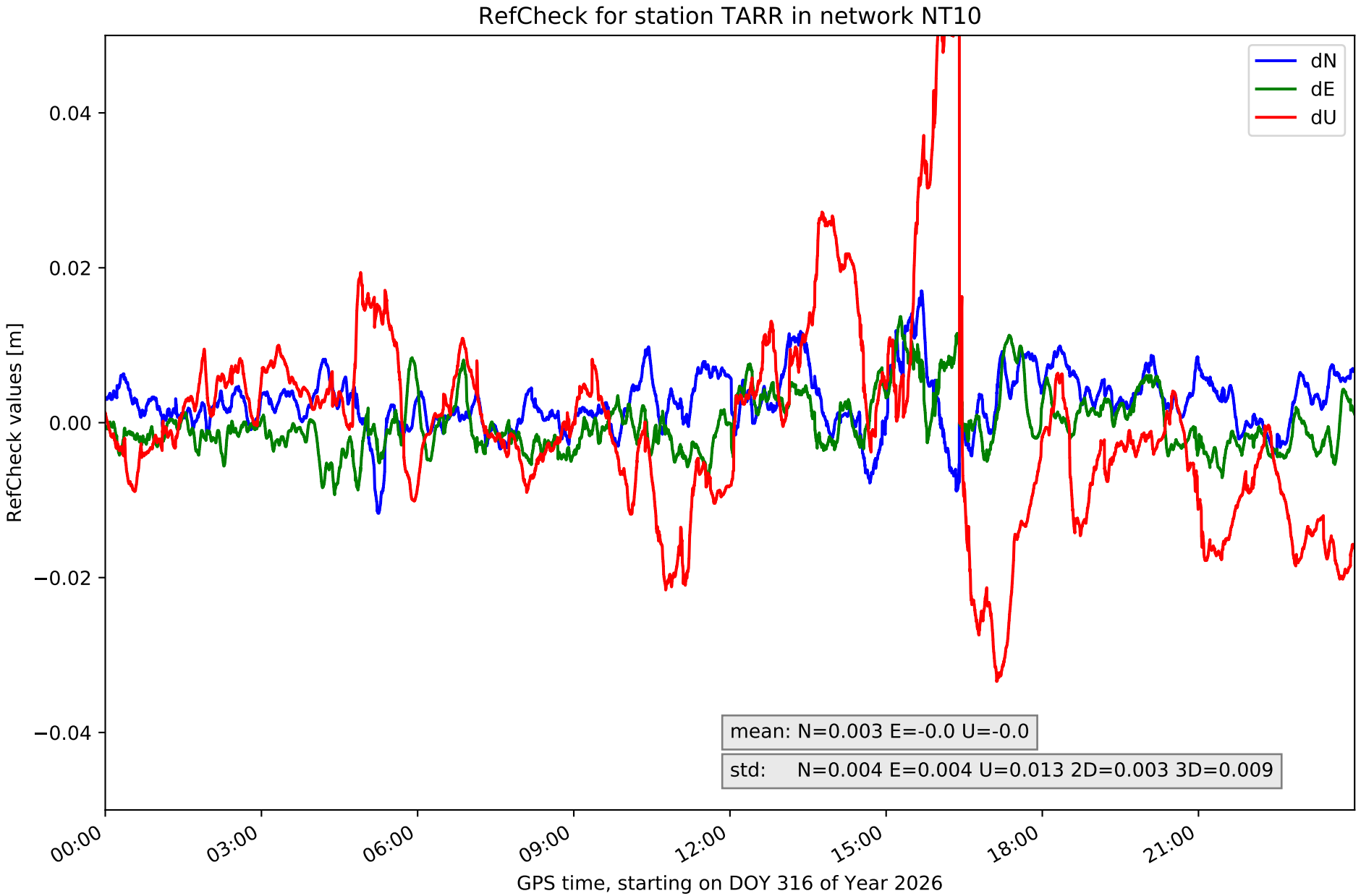

RefCheck for station GIRO in network NT10
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.007 E=0.001 U=0.013
std: N=0.005 E=0.005 U=0.01 2D=0.004 3D=0.008
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

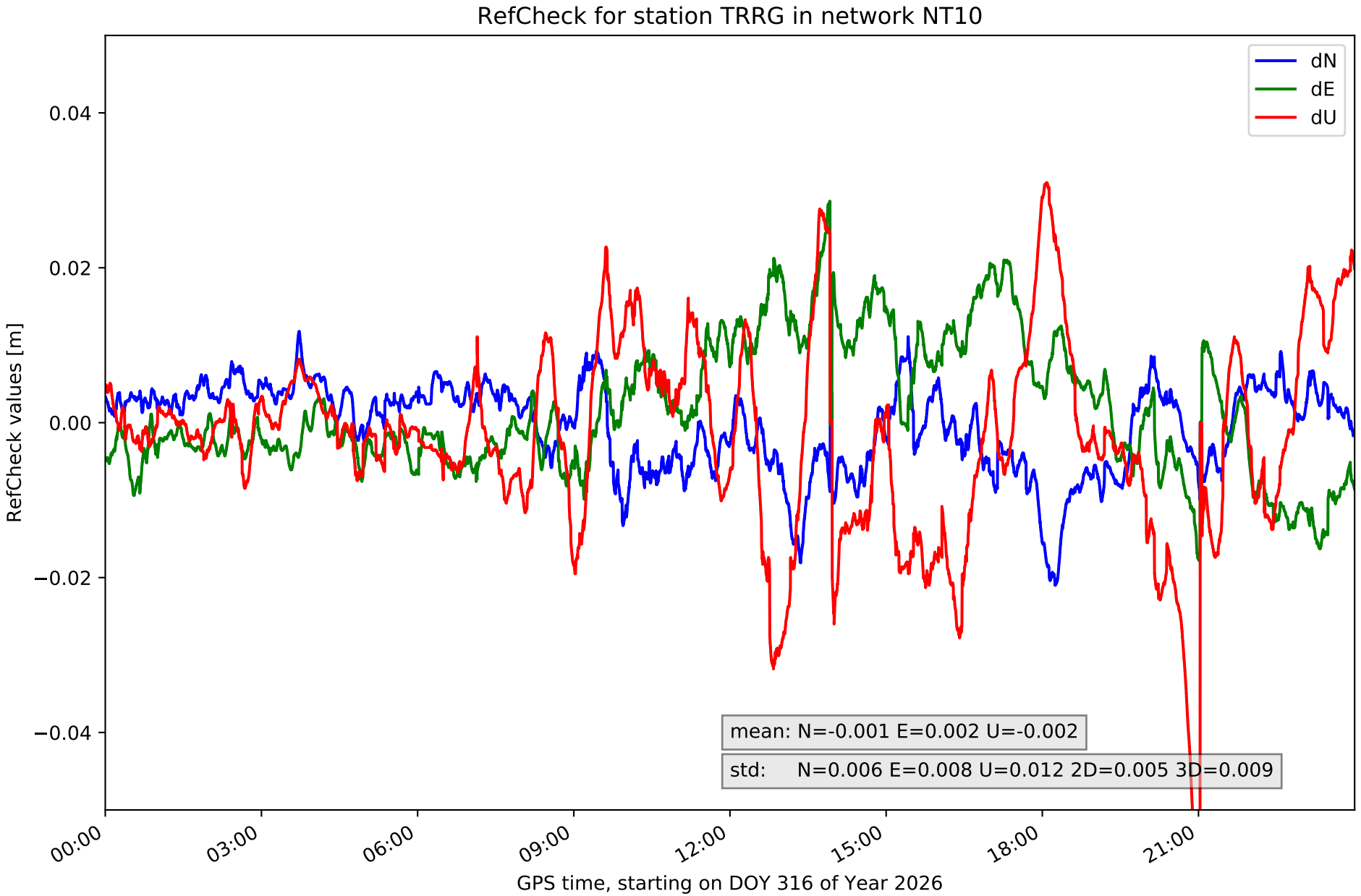

RefCheck for station GRAU in network NT10
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=-0.006 U=0.008
std: N=0.008 E=0.009 U=0.017 2D=0.007 3D=0.013
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026

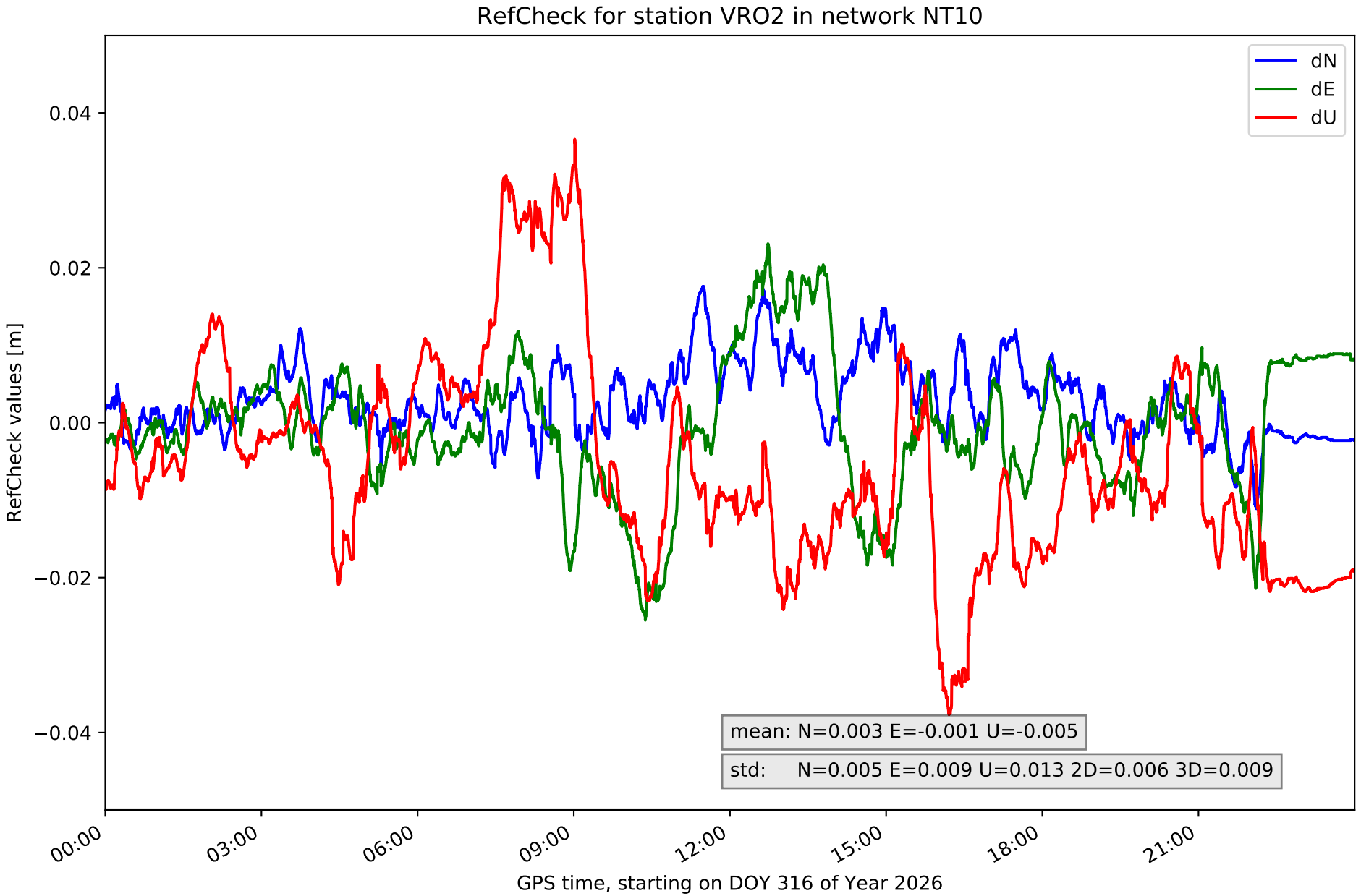

RefCheck for station MEQU in network NT10
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=-0.003 U=-0.002
std: N=0.004 E=0.005 U=0.009 2D=0.003 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 316 of Year 2026


RefCheck for station OLOT in network NT10
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.0 E=-0.005 U=0.013
std: N=0.007 E=0.009 U=0.018 2D=0.007 3D=0.012
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 PUIG in network NT10
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.0 E=-0.004 U=-0.005
std: N=0.005 E=0.005 U=0.014 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 TARR in network NT10
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.003 E=-0.0 U=-0.0
std: N=0.004 E=0.004 U=0.013 2D=0.003 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 TRRG in network NT10
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.001 E=0.002 U=-0.002
std: N=0.006 E=0.008 U=0.012 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 VRO2 in network NT10
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.003 E=-0.001 U=-0.005
std: N=0.005 E=0.009 U=0.013 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 values for network NT10

Station	Nmin	Nmax	Nstd	Emin	Emax	Estd	Umin	Umax	Ustd	std2D	std3D	#2D > 0.01	% 2D > 0.01	#3D > 0.02	% 3D > 0.02
BCL1	**-0.029**	0.004	0.005	-0.02	0.019	0.007	-0.06	0.026	0.011	0.005	0.007	**74628**	**92.4**	45703	56.6
BCLN	-0.013	0.021	0.006	-0.029	0.017	0.007	-0.039	0.06	0.011	0.006	0.009	32411	40.1	17243	21.3
BELL	-0.013	0.02	0.005	-0.011	0.017	0.005	-0.053	0.009	0.011	0.004	0.01	18280	22.6	22211	27.5
BINE	-0.01	0.011	0.003	-0.022	0.011	0.006	-0.06	0.017	0.01	0.004	0.008	13947	17.3	13758	17.0
CREU	-0.027	**0.027**	**0.008**	-0.029	0.029	0.008	-0.06	0.046	0.017	0.006	0.012	33780	41.8	**48401**	**59.9**
EBRE	-0.016	0.025	0.006	-0.014	**0.048**	**0.009**	-0.05	**0.065**	0.017	**0.008**	0.01	43929	54.4	34973	43.3
EBRO	-0.015	0.018	0.005	**-0.03**	0.028	0.008	-0.033	0.052	0.016	0.006	0.01	24266	30.0	24433	30.2
ESCO	-0.012	0.026	0.005	-0.025	0.023	0.005	**-0.061**	0.064	0.013	0.005	0.01	10376	12.8	9754	12.1
GIRO	-0.027	0.006	0.005	-0.013	0.014	0.005	-0.019	0.035	0.01	0.004	0.008	32044	39.7	27845	34.5
GRAU	**-0.029**	0.026	**0.008**	-0.027	0.03	**0.009**	-0.057	0.06	0.017	0.007	**0.013**	36492	45.2	29076	36.0
MEQU	-0.015	0.013	0.004	-0.02	0.013	0.005	-0.028	0.025	0.009	0.003	0.005	9407	11.6	5298	6.6
OLOT	-0.026	0.025	0.007	**-0.03**	0.022	**0.009**	-0.047	0.06	**0.018**	0.007	0.012	36189	44.8	42150	52.2
PUIG	-0.012	0.018	0.005	-0.022	0.007	0.005	-0.05	0.021	0.014	0.005	0.009	16495	20.4	16489	20.4
TARR	-0.012	0.017	0.004	-0.009	0.014	0.004	-0.033	0.061	0.013	0.003	0.009	6070	7.5	10116	12.5
TRRG	-0.021	0.012	0.006	-0.018	0.029	0.008	-0.06	0.031	0.012	0.005	0.009	27124	33.6	14754	18.3
VRO2	-0.011	0.018	0.005	-0.025	0.023	**0.009**	-0.038	0.037	0.013	0.006	0.009	22976	28.4	23959	29.7
Mean	**-0.018**	**0.018**	**0.005**	**-0.022**	**0.022**	**0.007**	**-0.047**	**0.042**	**0.013**	**0.005**	**0.009**	**27400.9**	**33.9**	**24135.2**	**29.9**
Min/Max	**-0.029**	**0.027**	**0.008**	**-0.03**	**0.048**	**0.009**	**-0.061**	**0.065**	**0.018**	**0.008**	**0.013**	**74628**	**92.4**	**48401**	**59.9**

fixing statistic for network NT10

fixing percentage of	all GNSS	G	R	E	C
using threshold 0.3	92.4	93.2	92.0	94.9	88.9
considering satellites with dual-frequency fixed	88.7	88.6	87.3	91.8	85.4
considering all signals separately	88.9	89.0	87.3	92.0	83.6