summary for network NET1

timeperiod chosen: from 2024-08-28-00:00:00 until 2024-08-28-23:59:59

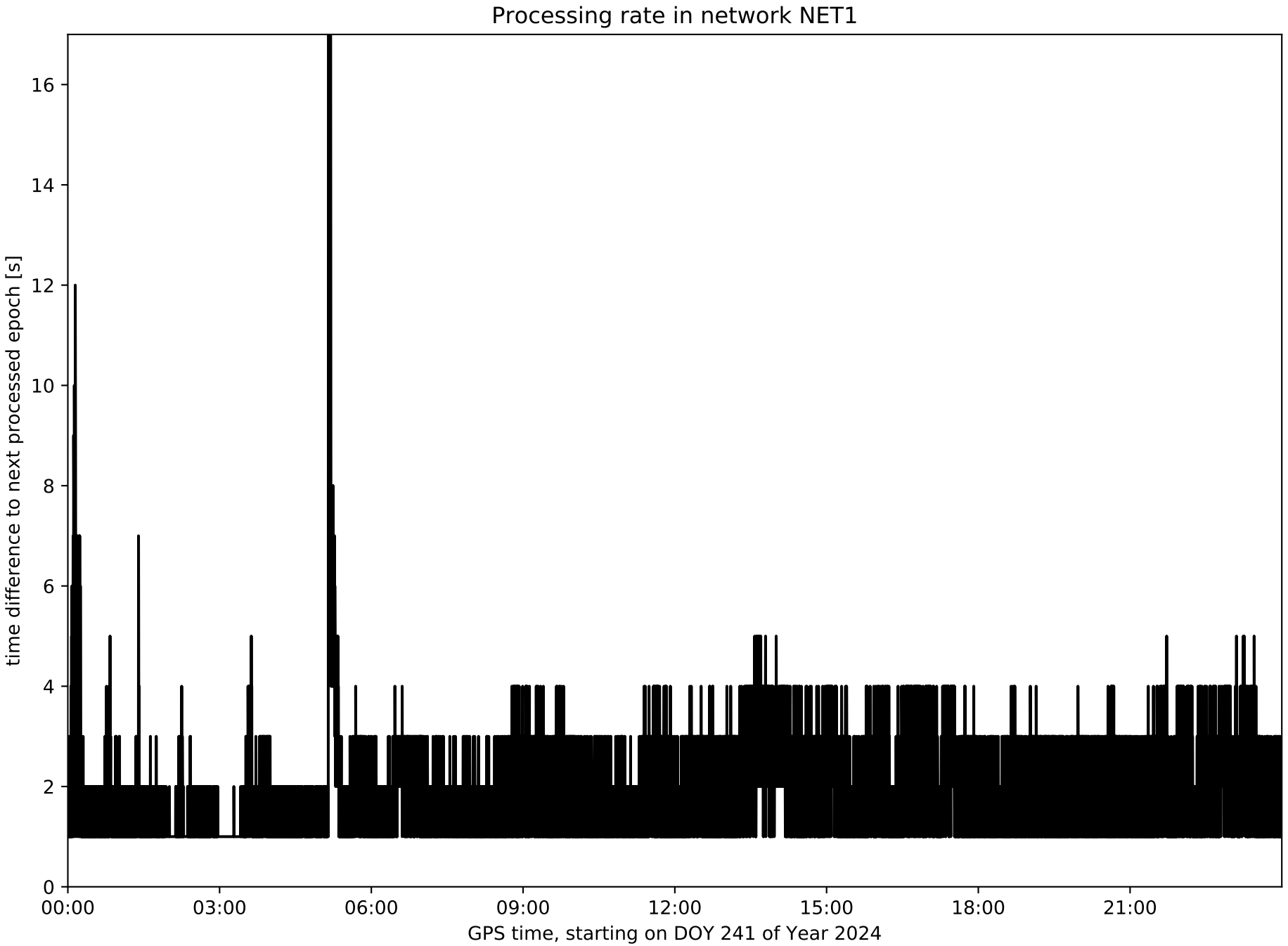
average update rate (durations larger than 15 seconds considered as observation gap): 1.6 seconds

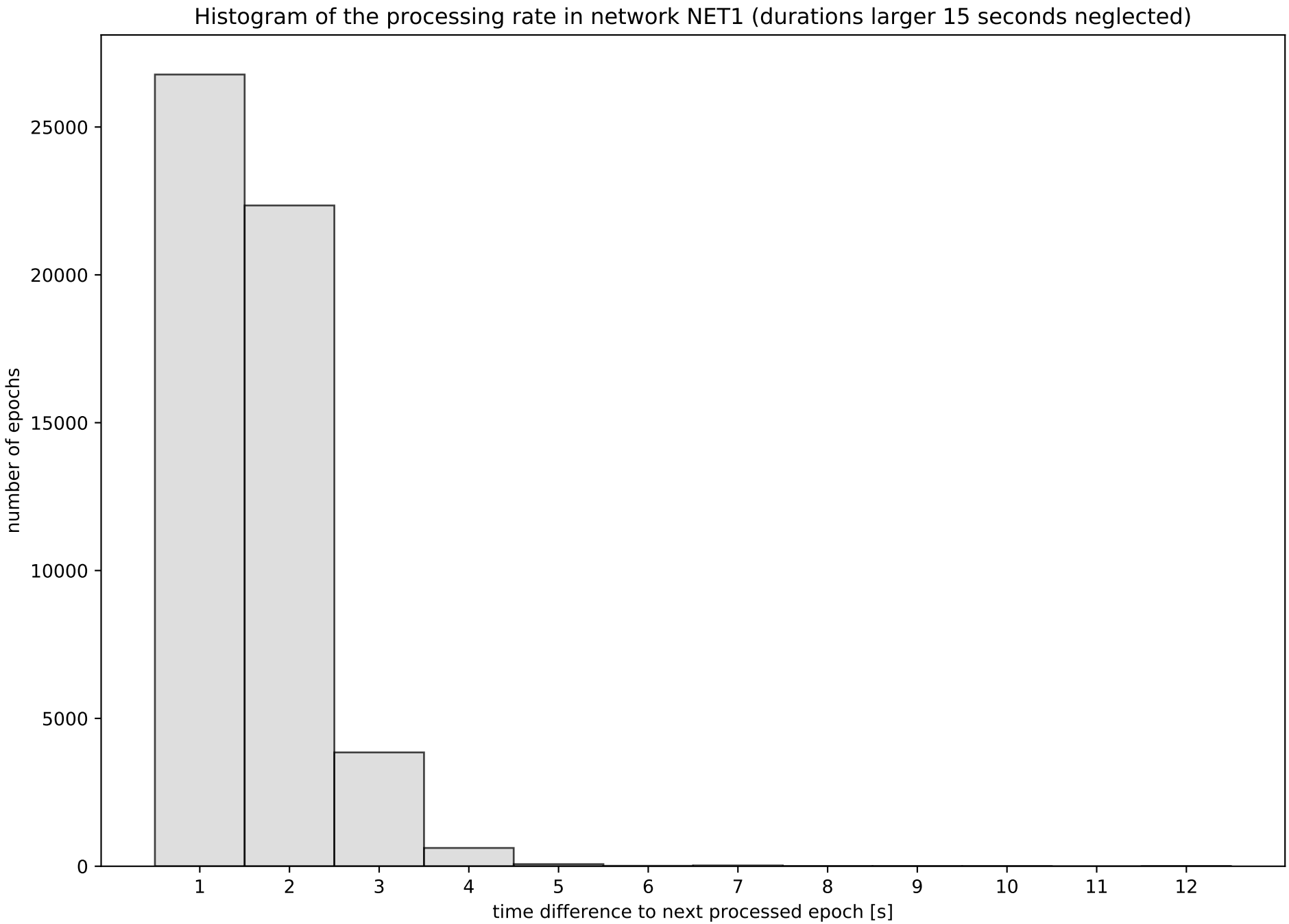
average fixing percentage with threshold set to 0.3: 89.6 percent

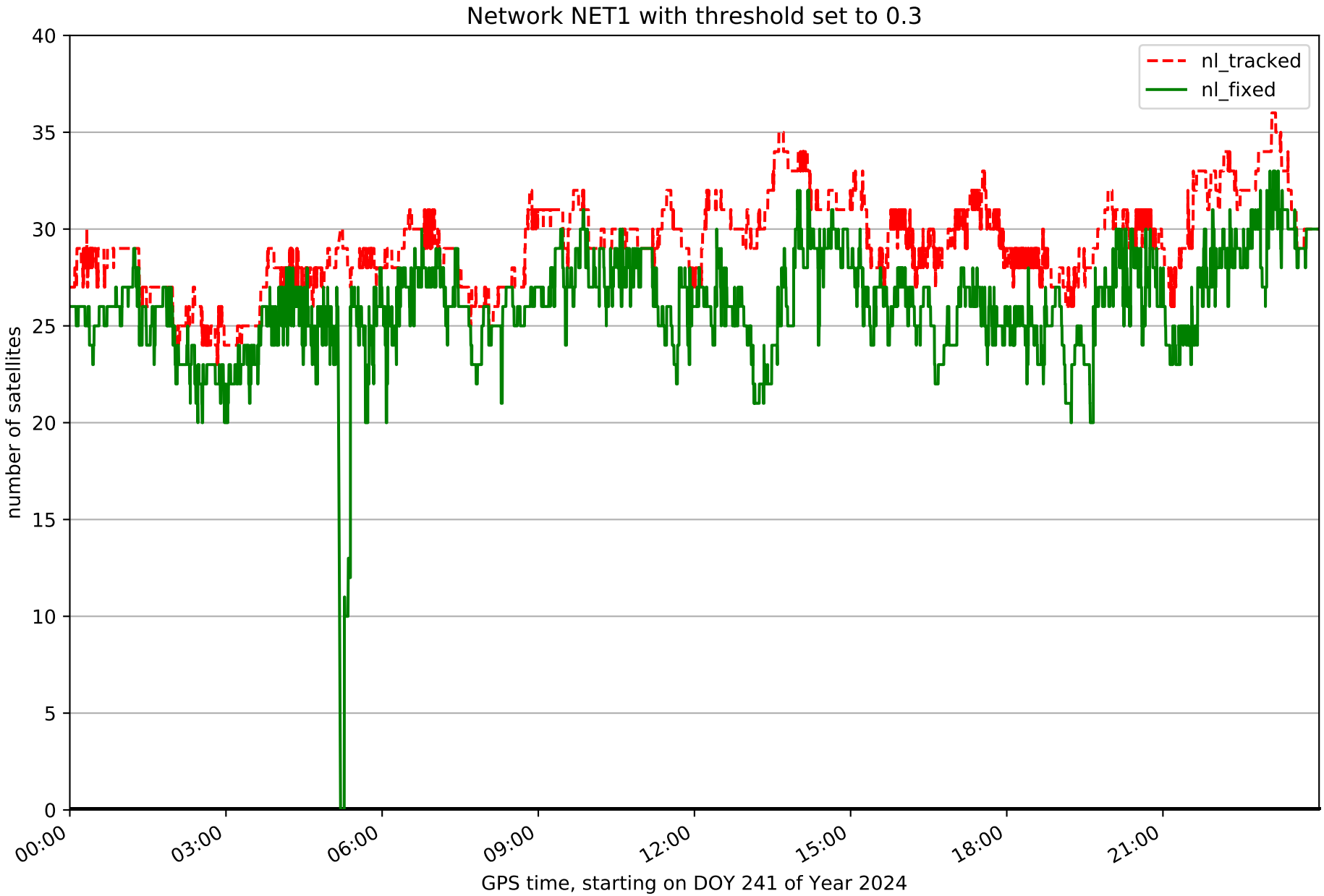
stations available: 16 of 16

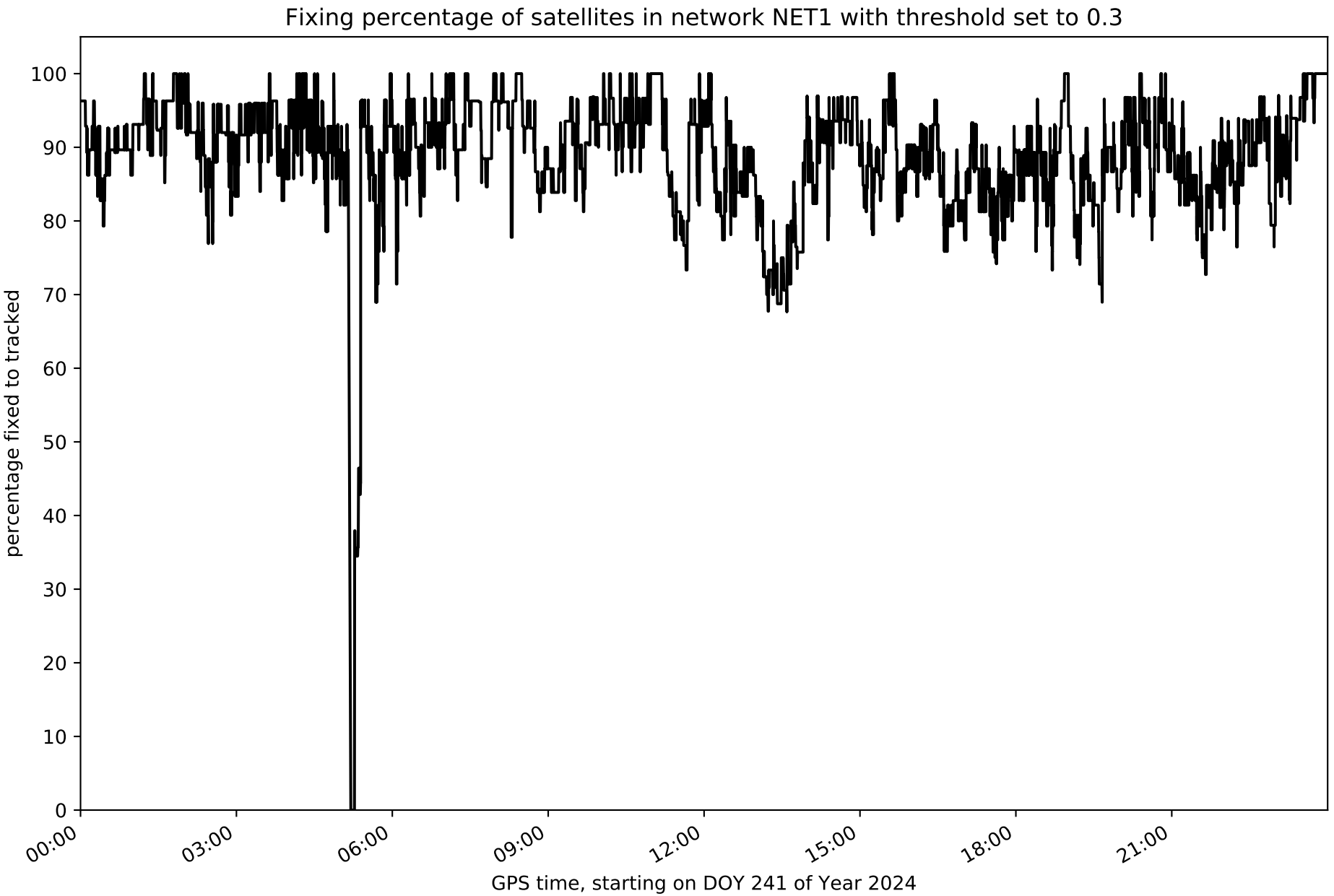
station information:

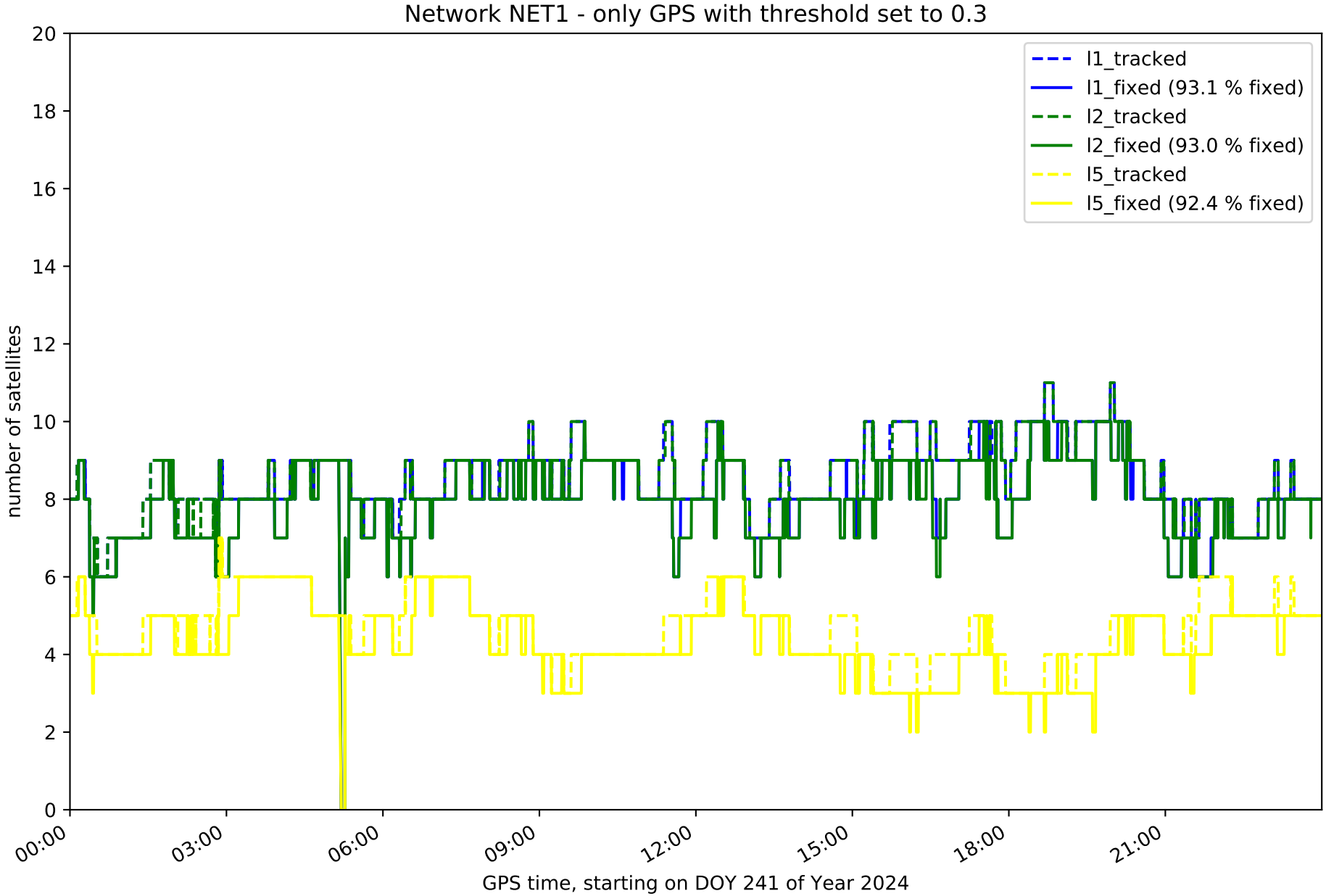
station AJAL:	antenna: GPPNULLANTENNA	NONE	receiver: LEICA GR50	height: 884.142
station ARAJ:	antenna: LEIAR20	LEIM	receiver: LEICA GR50	height: 580.921
station AVI2:	antenna: TRM59900.00	SCIS	receiver: TRIMBLE NETR9	height: 1206.515
station BUIT:	antenna: TRM57971.00	TZGD	receiver: TRIMBLE NETR9	height: 1032.701
station BUOS:	antenna: TRM59900.00	SCIS	receiver: TRIMBLE NETR9	height: 963.896
station IGNE:	antenna: LEIAT504GG	LEIS	receiver: LEICA GR50	height: 766.956
station MAD1:	antenna: LEIAR20	LEIM	receiver: LEICA GR50	height: 724.483
station OLM1:	antenna: TRM59900.00	SCIS	receiver: TRIMBLE NETR9	height: 829.129
station ORUS:	antenna: TRM57971.00	TZGD	receiver: TRIMBLE NETR9	height: 862.74
station PNAV:	antenna: LEIAR20	LEIM	receiver: LEICA GR50	height: 2235.365
station RIA1:	antenna: TRM59900.00	SCIS	receiver: TRIMBLE NETR9	height: 1263.778
station SGVA:	antenna: GPPNULLANTENNA	NONE	receiver: LEICA GR50	height: 1076.312
station SMDV:	antenna: TPSCR.G3	TPSH	receiver: TPS NET-G5	height: 670.791
station SPAB:	antenna: TPSCR.G5	TPSH	receiver: TPS NET-G5	height: 1006.147
station TALV:	antenna: TPSCR.G5	TPSH	receiver: TPS NET-G5	height: 458.35
station YEB1:	antenna: LEIAR25	NONE	receiver: LEICA GR25	height: 975.396

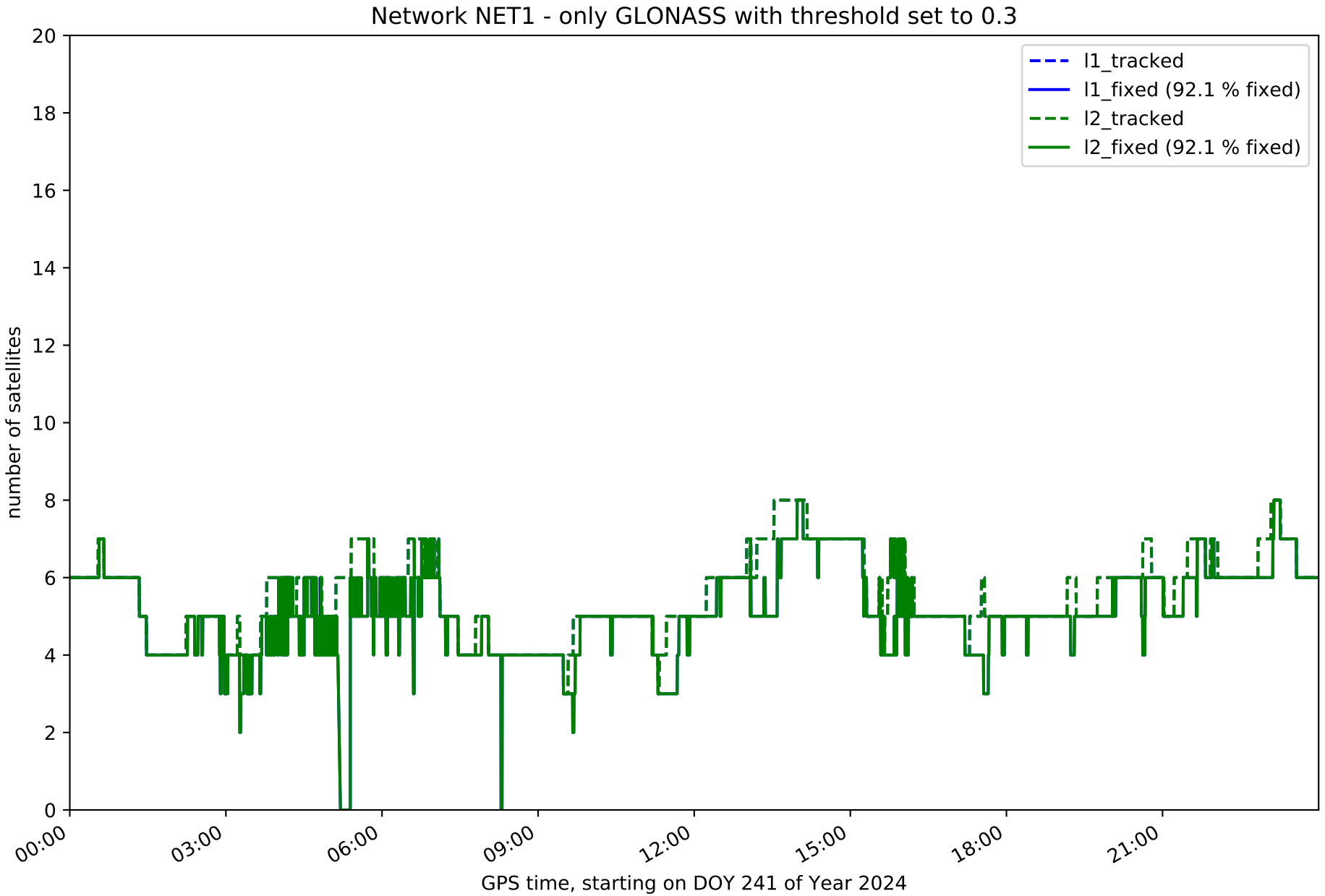

Processing rate in network NET1
time difference to next processed epoch [s]
0
2
4
6
8
10
12
14
16
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 241 of Year 2024

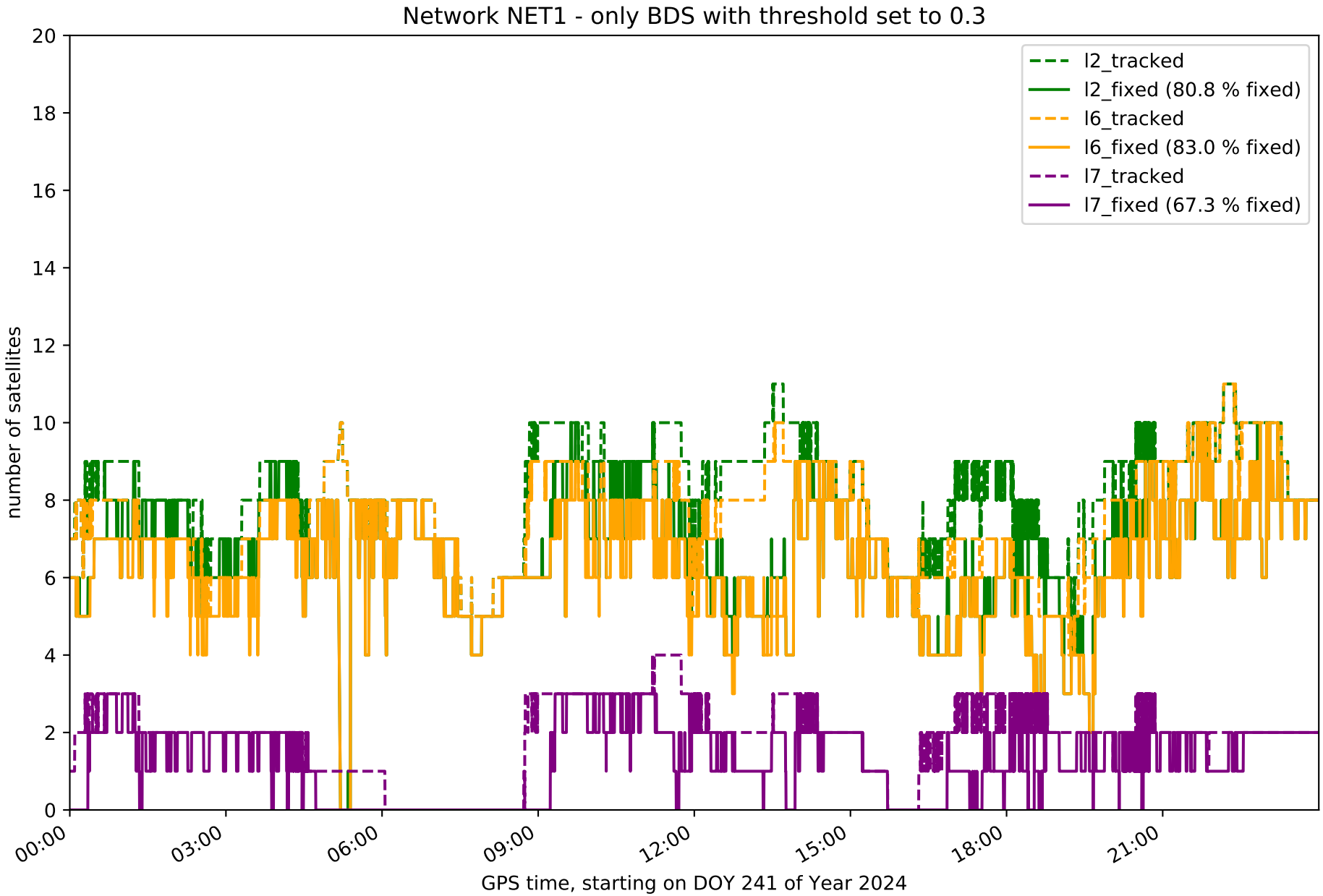

Histogram of the processing rate in network NET1 (durations larger 15 seconds neglected)
number of epochs
0
5000
10000
15000
20000
25000
1
2
3
4
5
6
7
8
9
10
11
12
time difference to next processed epoch [s]

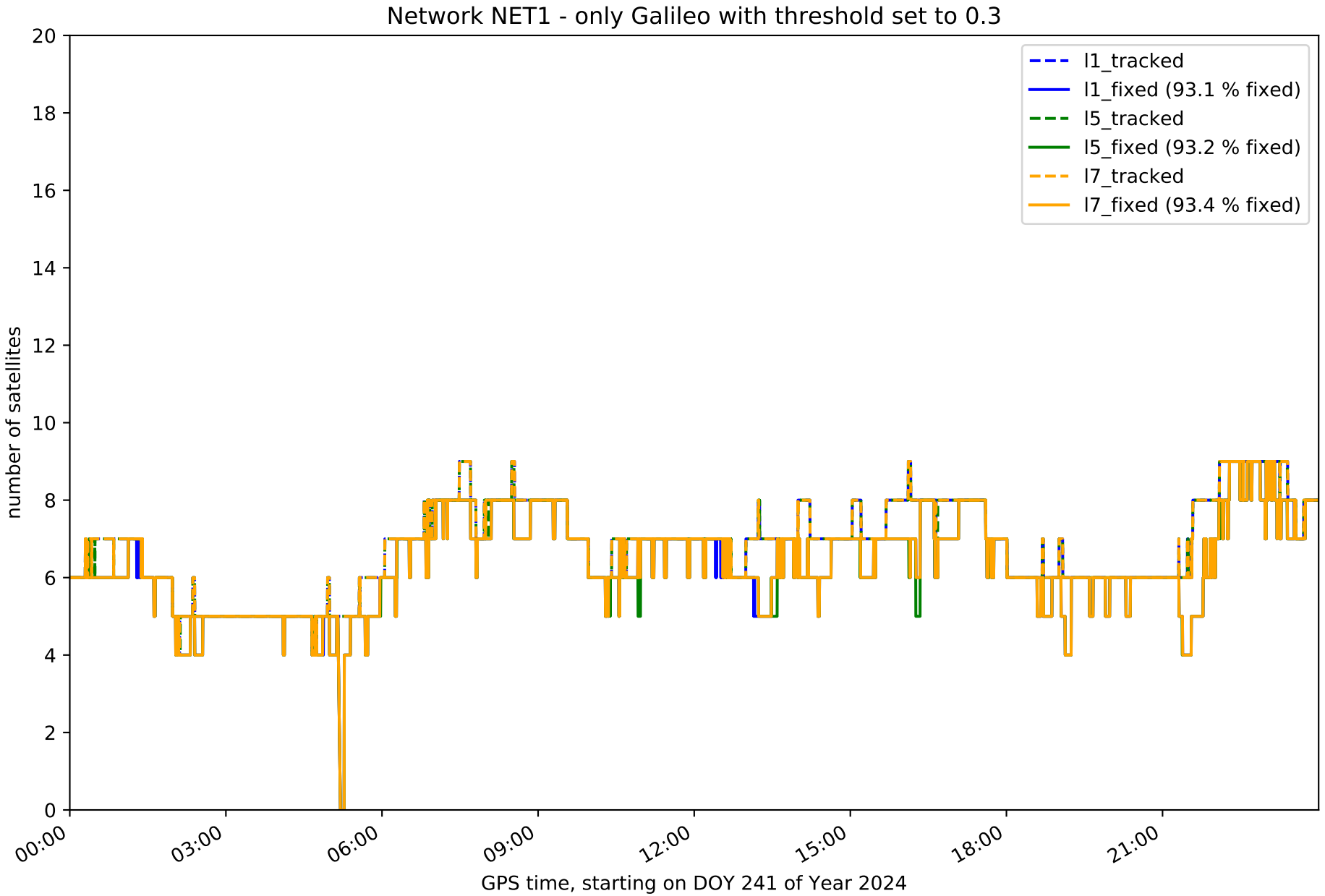

Network NET1 with threshold set to 0.3
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
40
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 241 of Year 2024

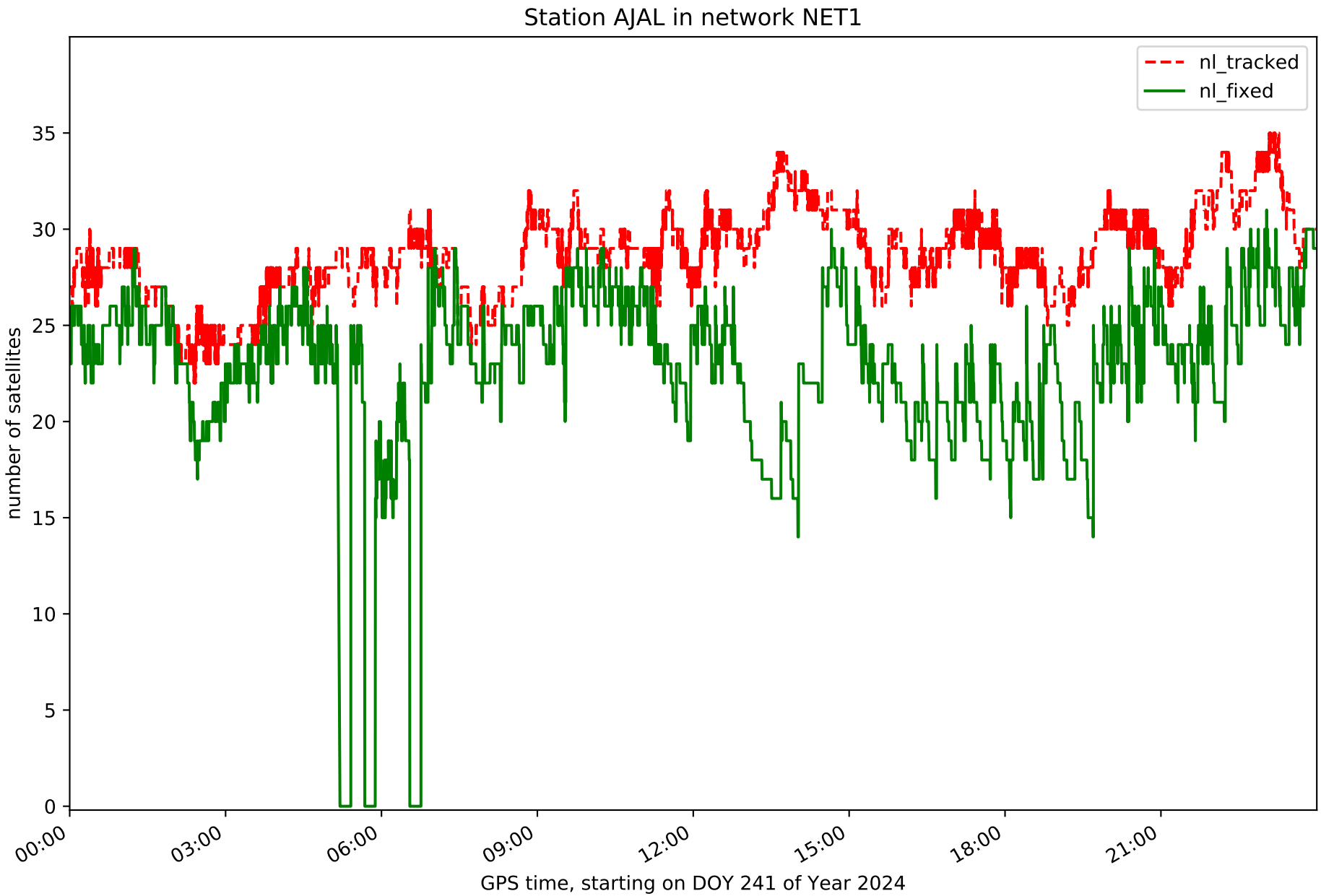

Fixing percentage of satellites in network NET1 with threshold set to 0.3
percentage fixed to tracked
100
90
80
70
60
50
40
30
20
10
0
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 241 of Year 2024

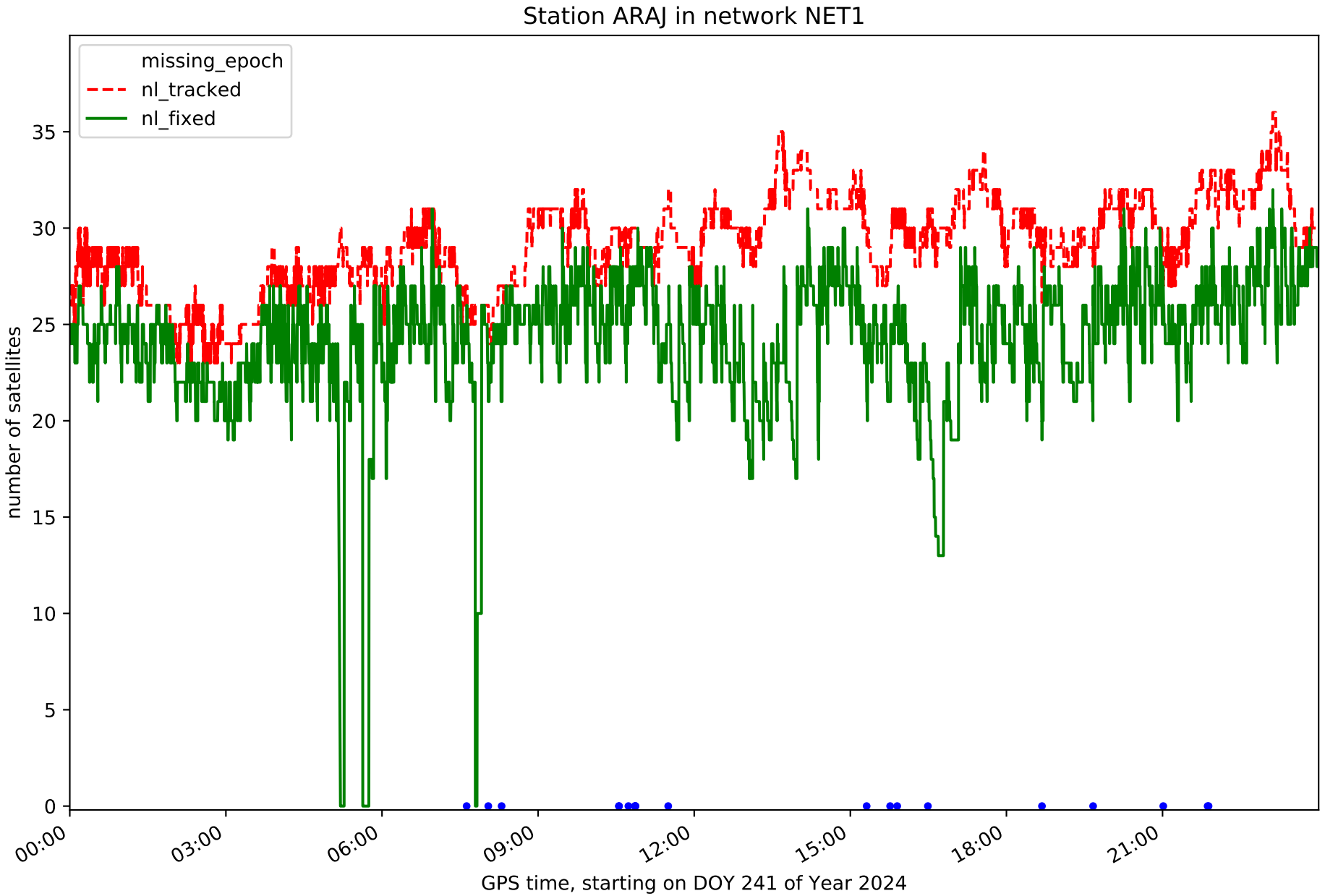

Network NET1 - only GPS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 241 of Year 2024
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
l1_tracked
l1_fixed (93.1 % fixed)
l2_tracked
l2_fixed (93.0 % fixed)
l5_tracked
l5_fixed (92.4 % fixed)

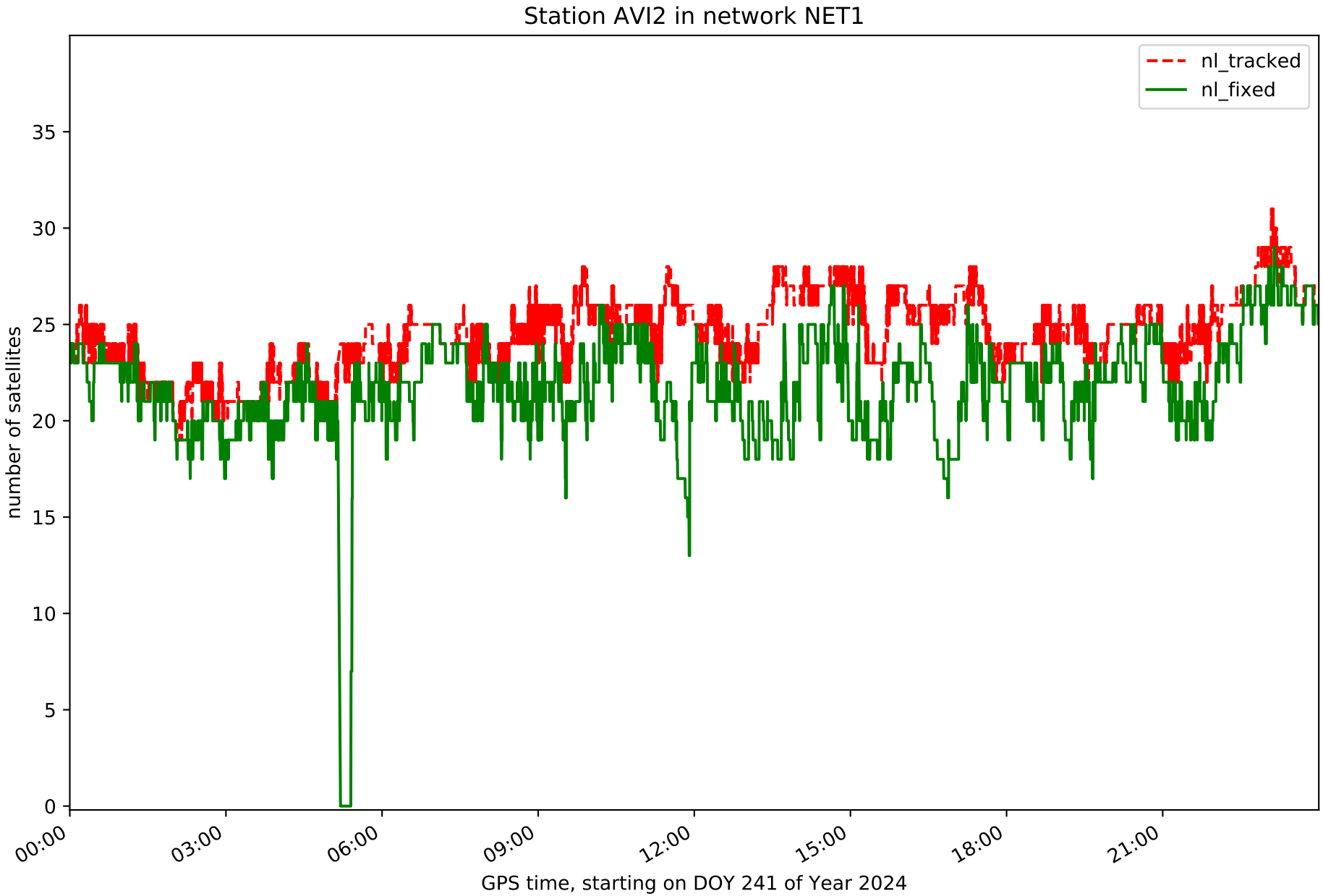

Network NET1 - only GLONASS with threshold set to 0.3
l1_tracked
l1_fixed (92.1 % fixed)
l2_tracked
l2_fixed (92.1 % fixed)
number of satellites
0
2
4
6
8
10
12
14
16
18
20
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 241 of Year 2024

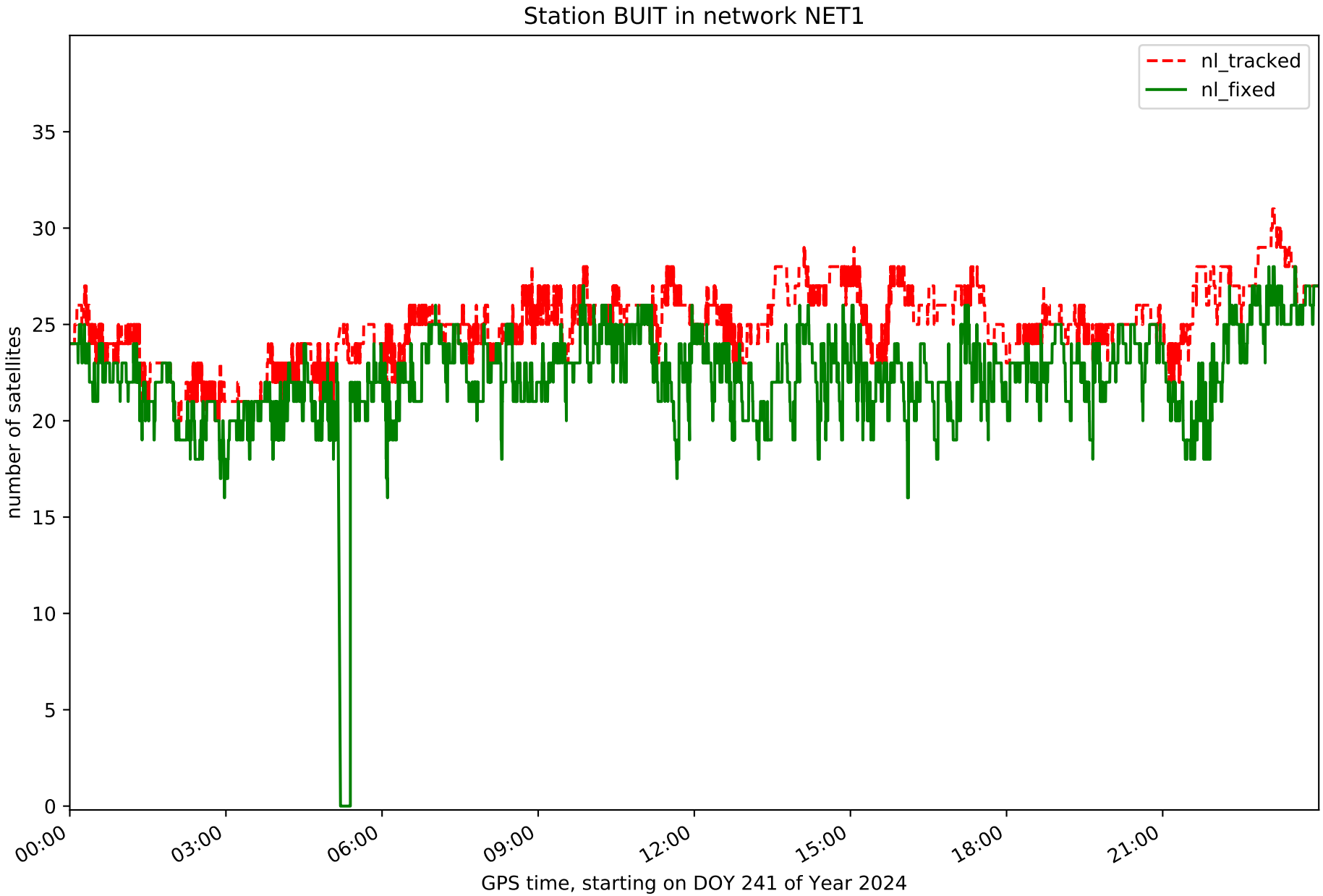

Network NET1 - only BDS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 241 of Year 2024
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
I2_tracked
I2_fixed (80.8 % fixed)
I6_tracked
I6_fixed (83.0 % fixed)
I7_tracked
I7_fixed (67.3 % fixed)

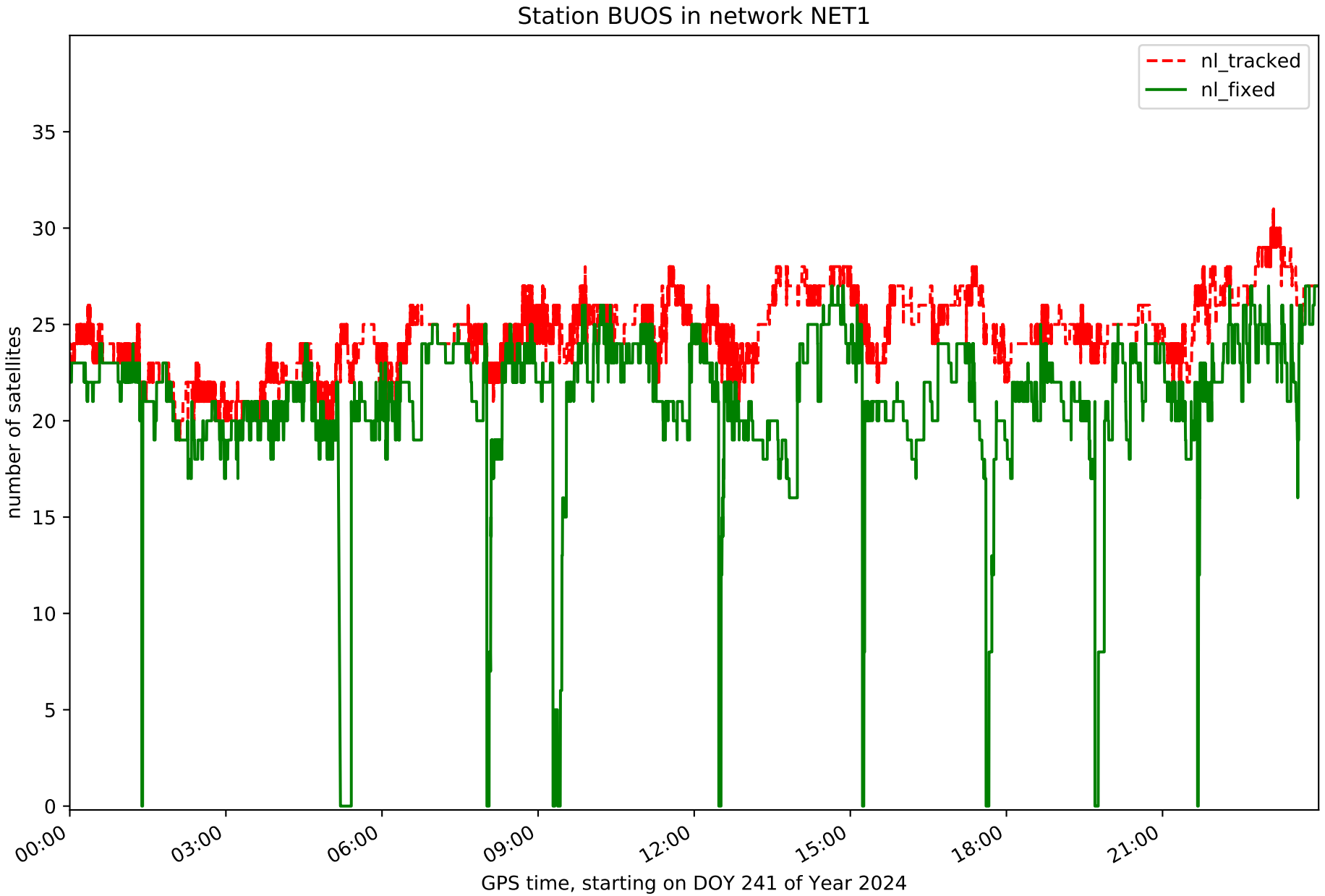

Network NET1 - only Galileo with threshold set to 0.3
number of satellites
GPS time, starting on DOY 241 of Year 2024
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
l1_tracked
l1_fixed (93.1 % fixed)
l5_tracked
l5_fixed (93.2 % fixed)
l7_tracked
l7_fixed (93.4 % fixed)

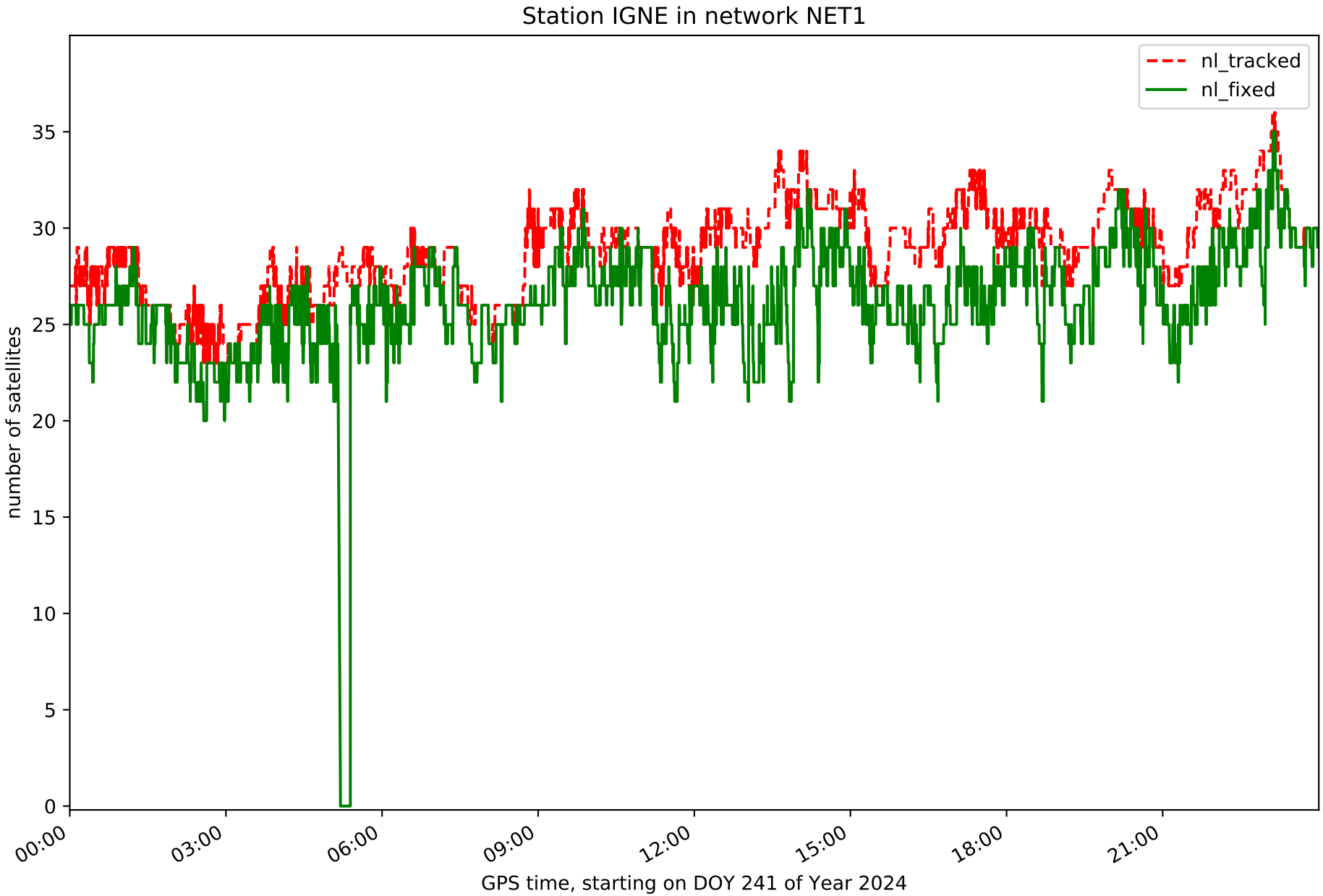

Station AJAL in network NET1
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 241 of Year 2024

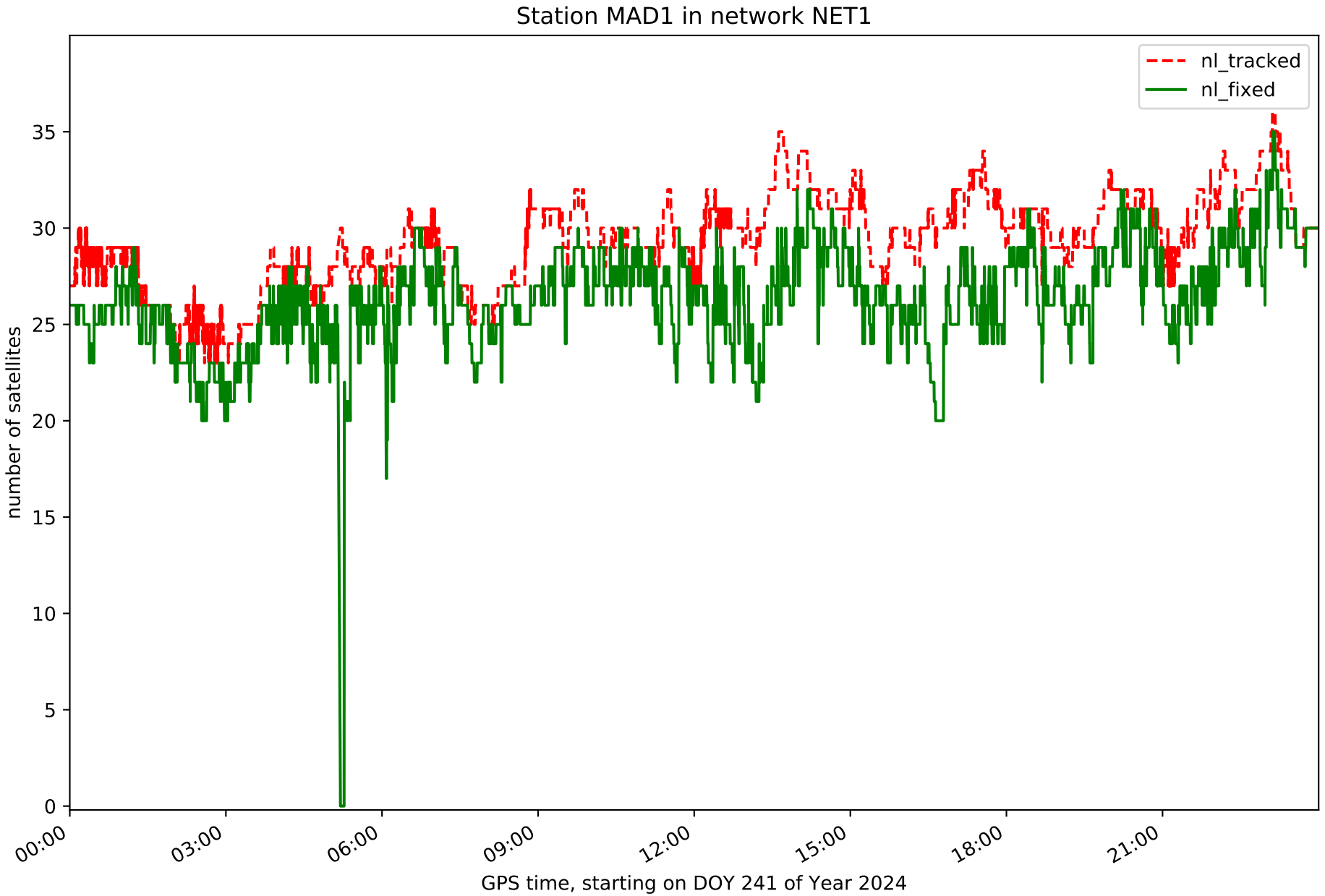

Station ARAJ in network NET1
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 241 of Year 2024

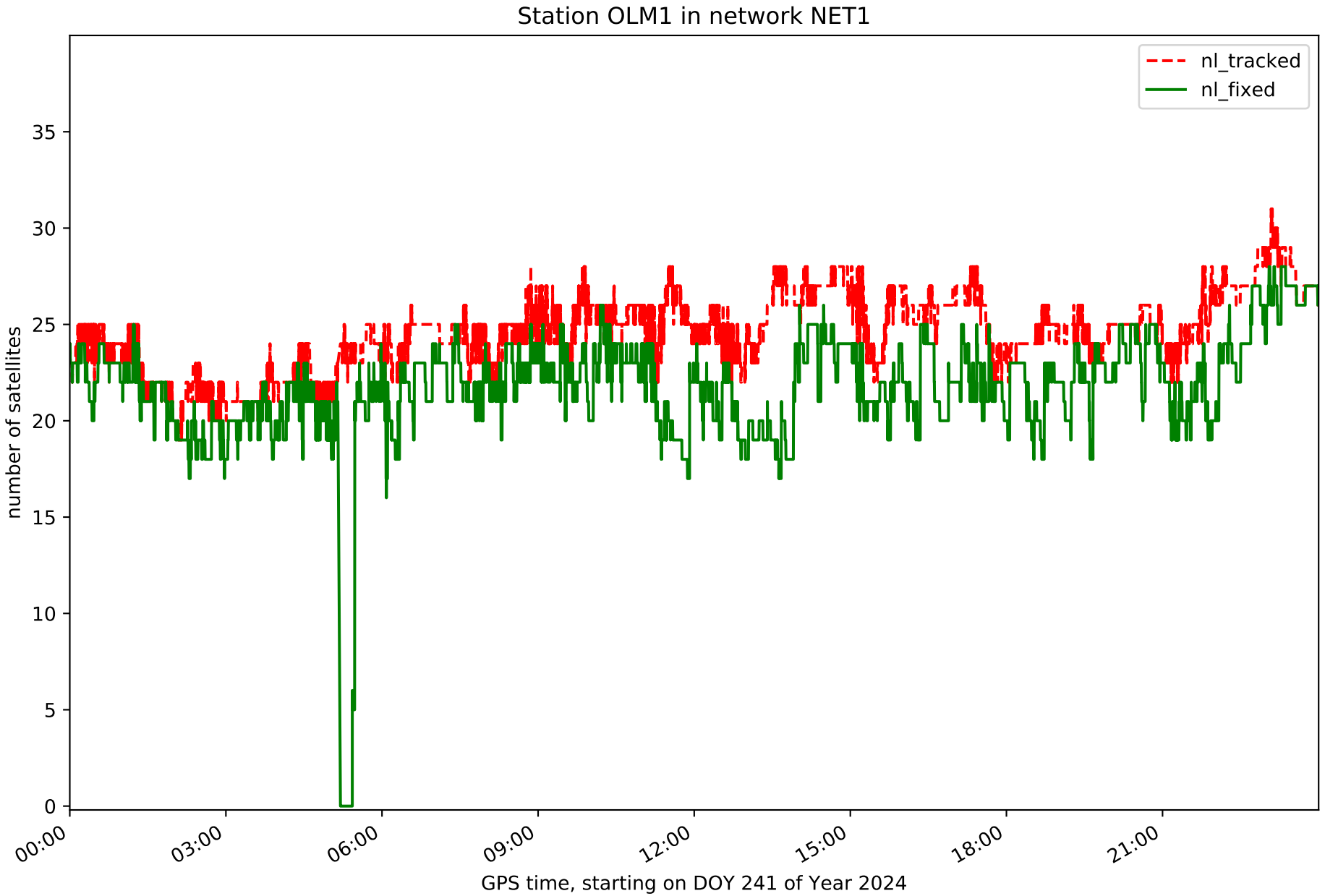

Station AVI2 in network NET1
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 241 of Year 2024

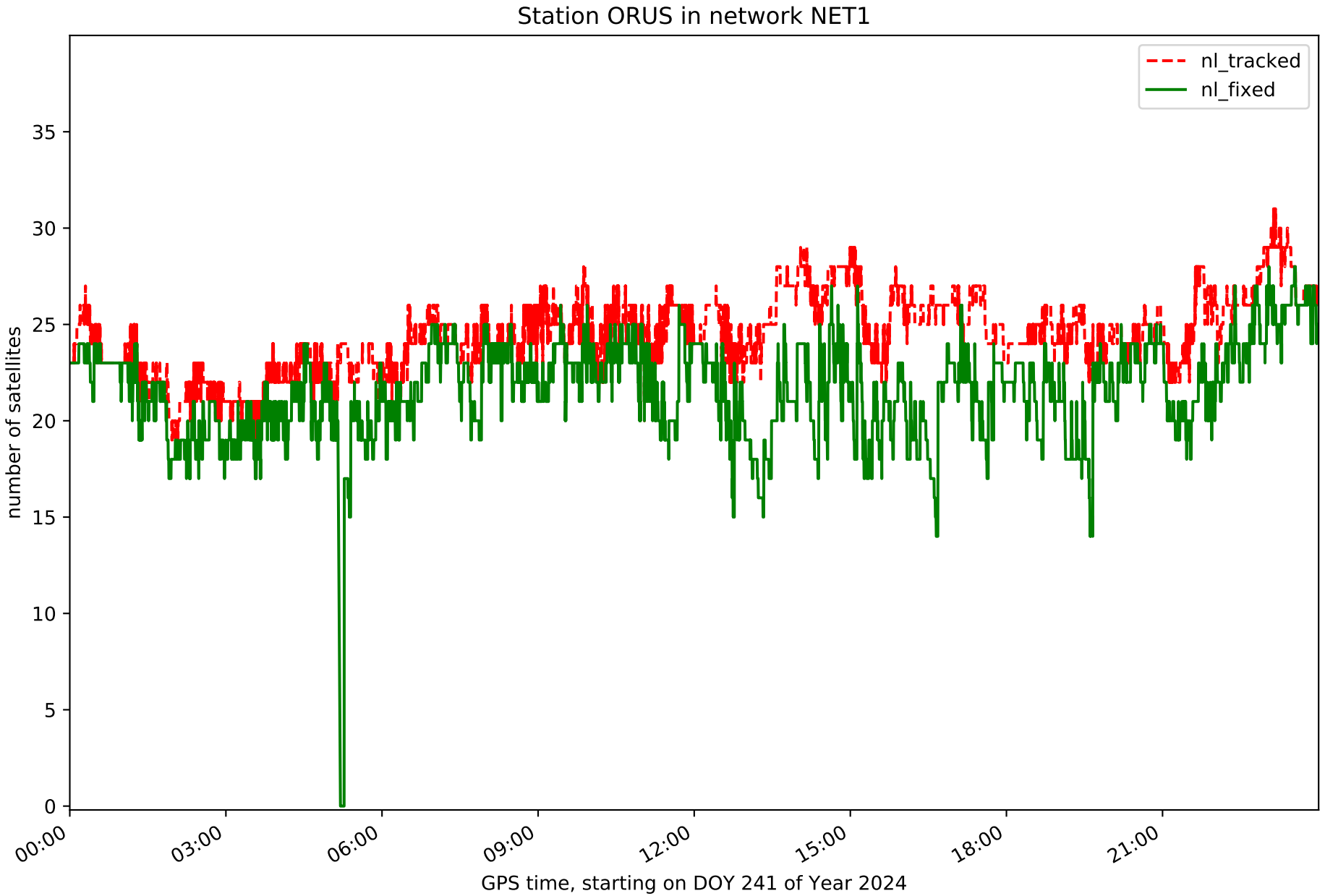

Station BUIT in network NET1
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 241 of Year 2024

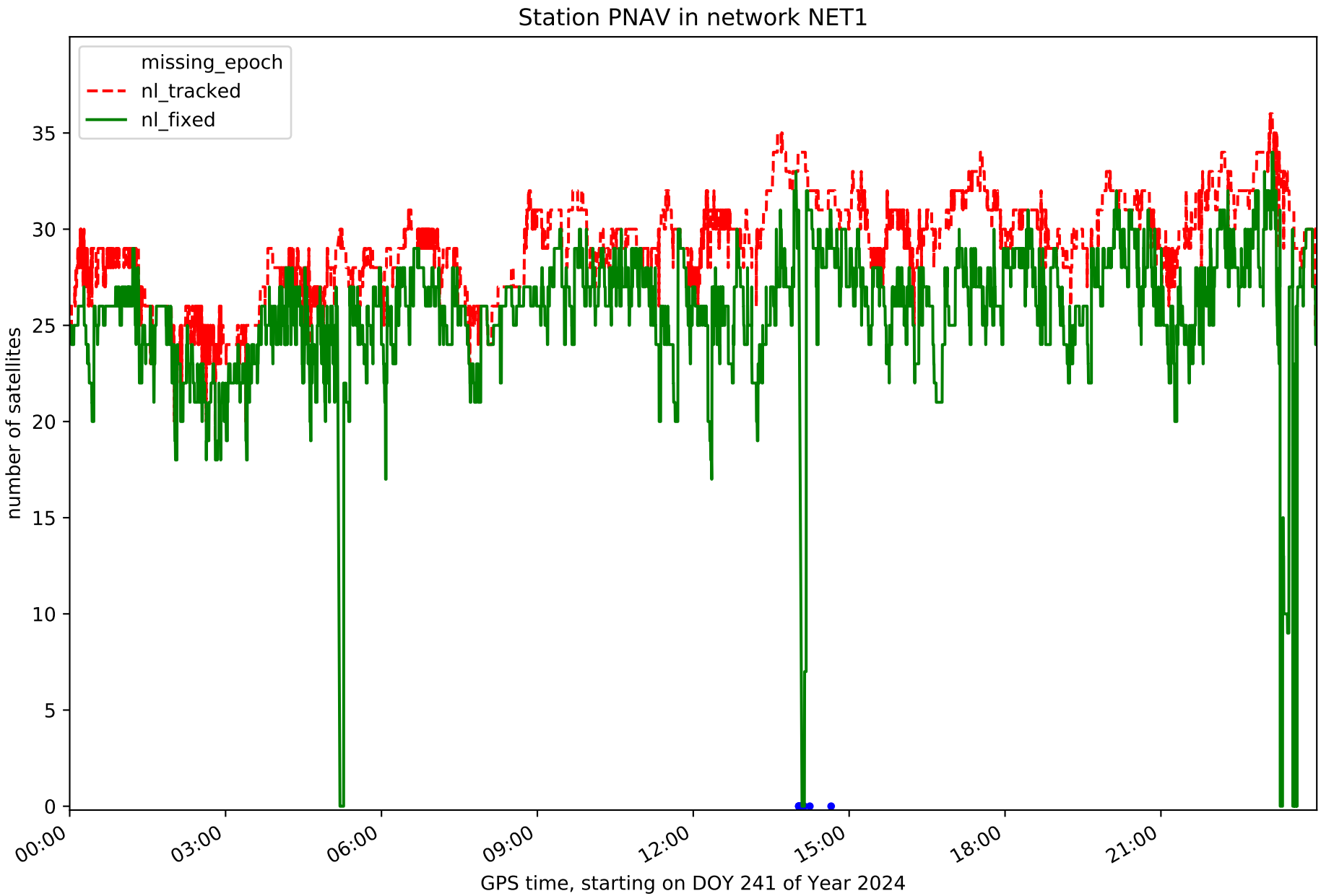

Station BUOS in network NET1
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 241 of Year 2024

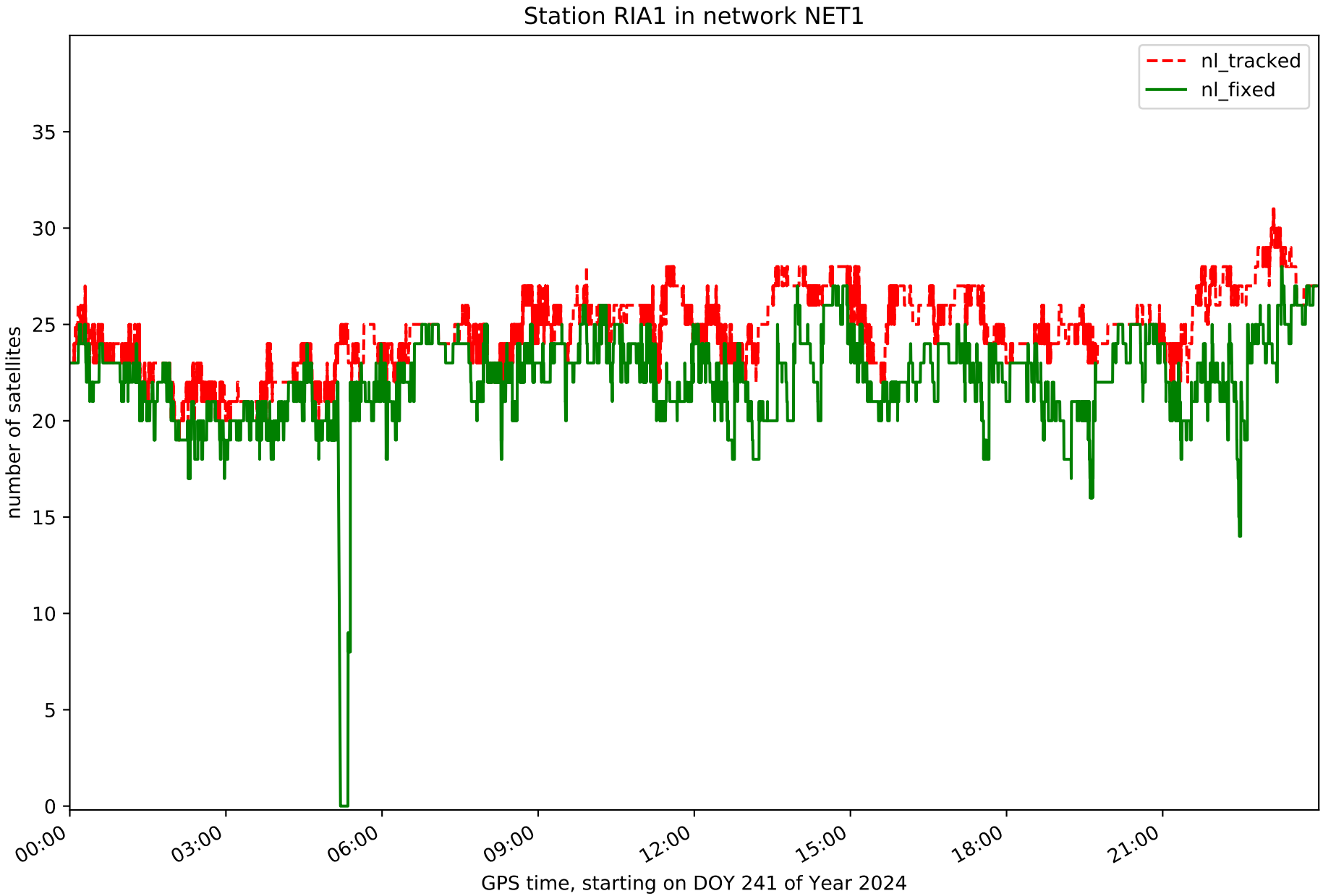

Station IGNE in network NET1
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 241 of Year 2024

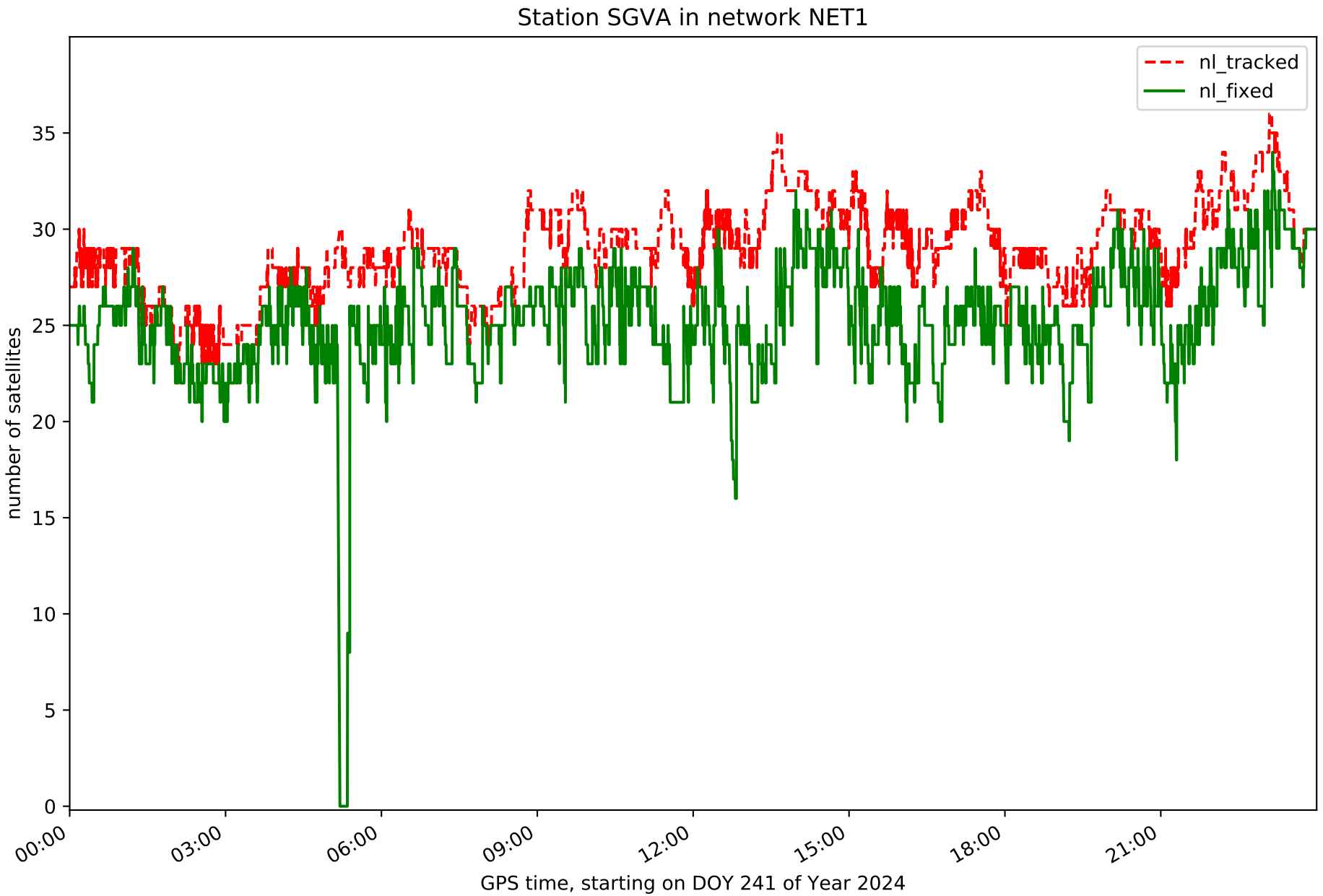

Station MAD1 in network NET1
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 241 of Year 2024

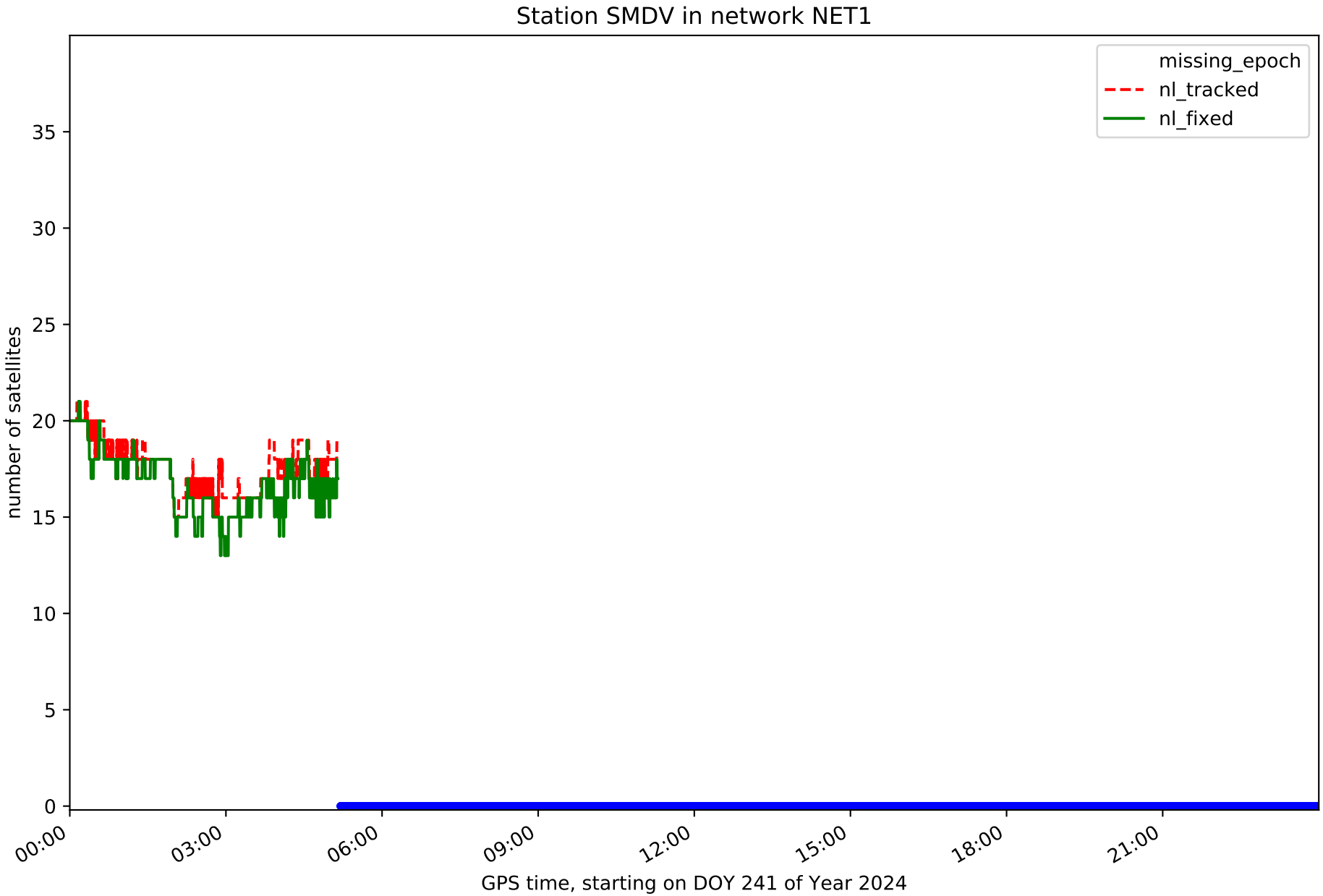

Station OLM1 in network NET1
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 241 of Year 2024

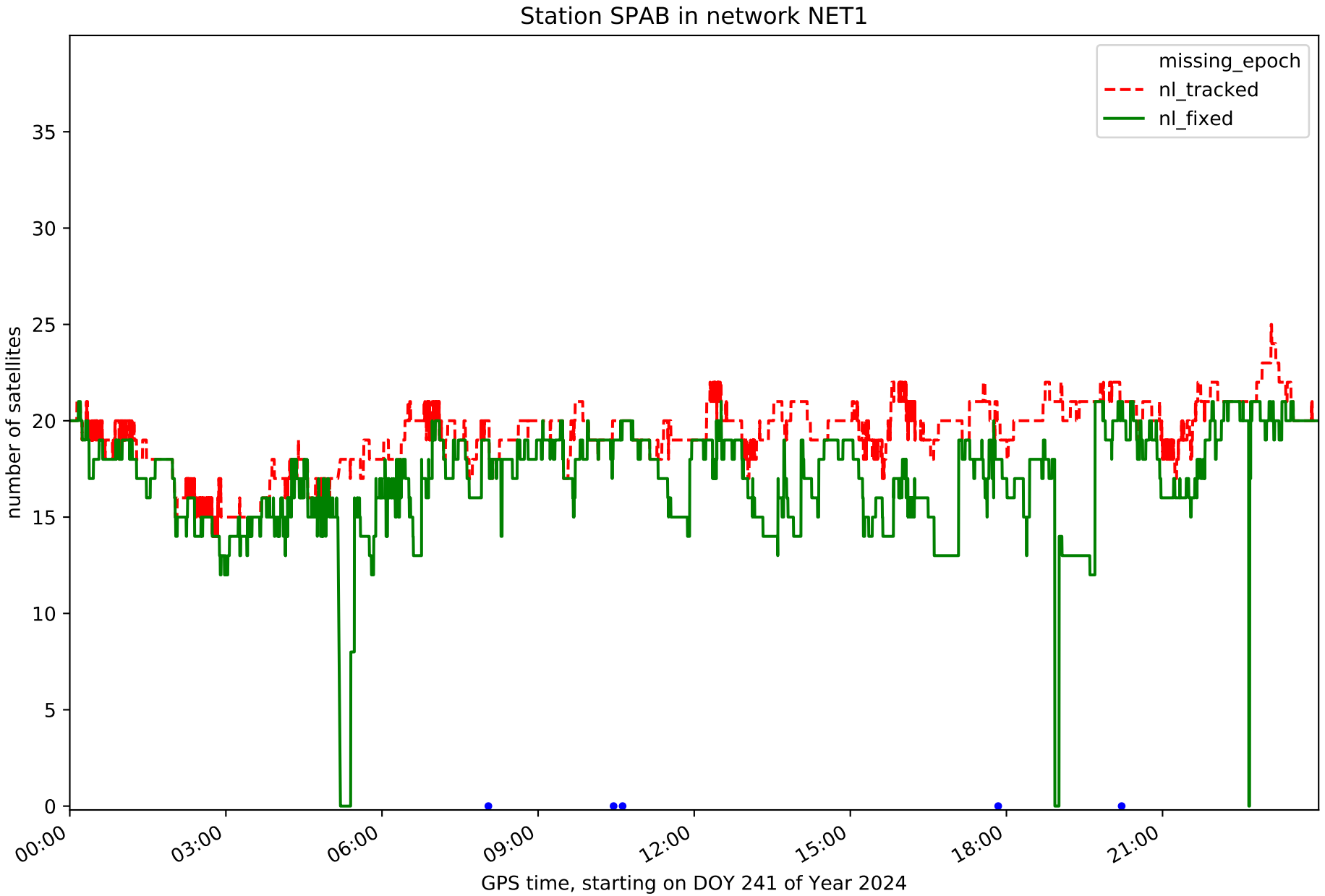

Station ORUS in network NET1
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 241 of Year 2024

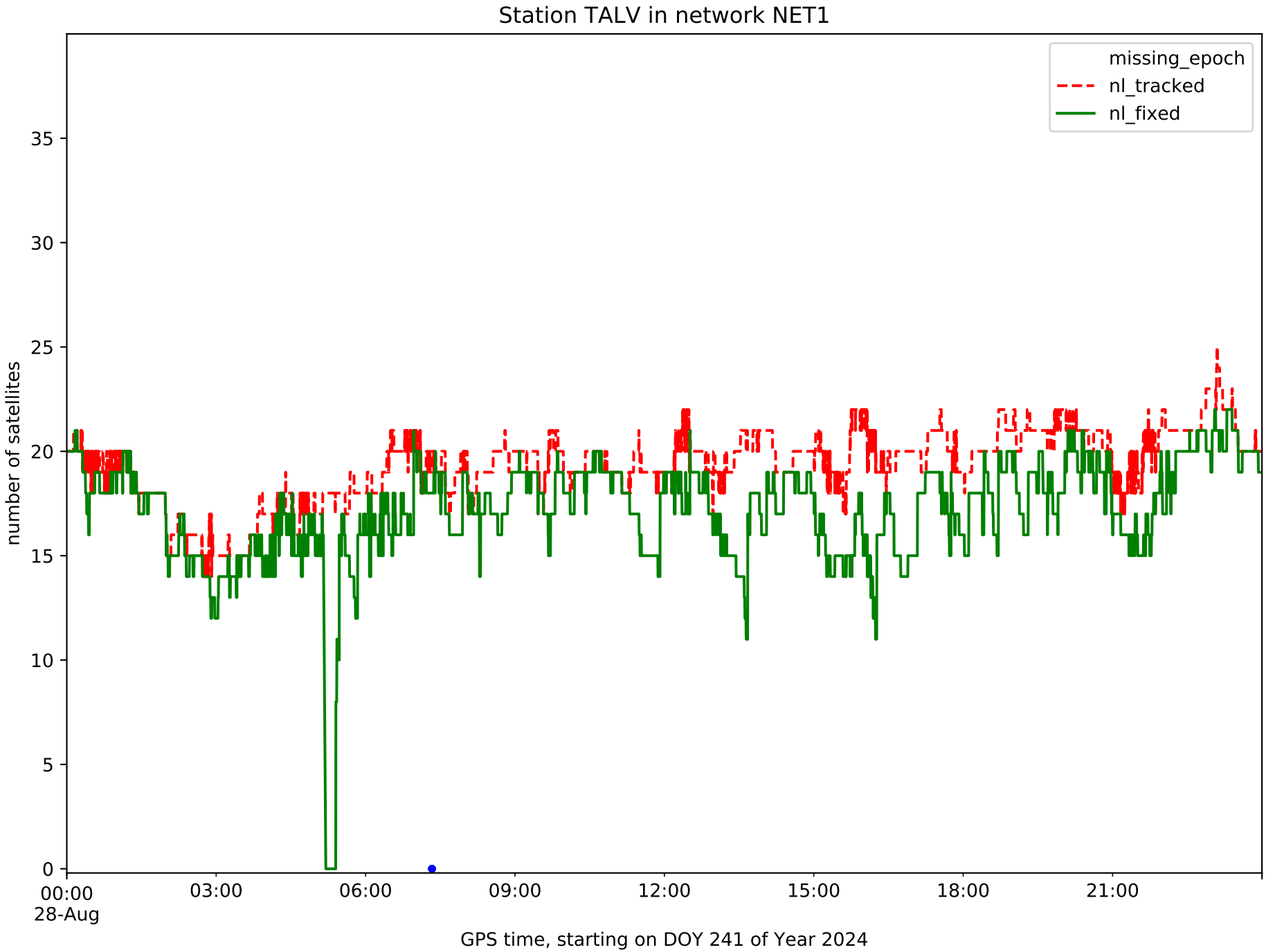

Station PNAV in network NET1
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 241 of Year 2024

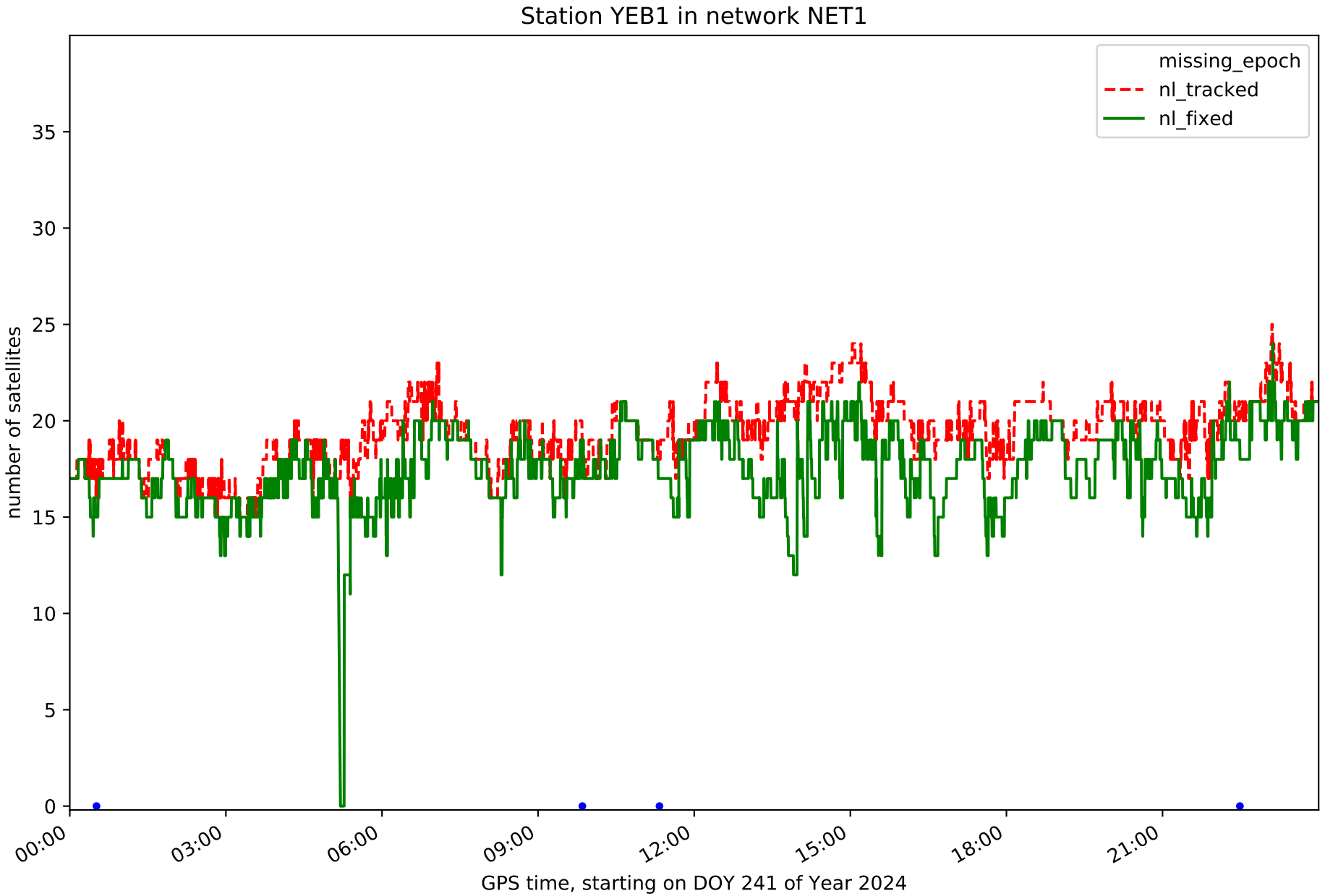

Station RIA1 in network NET1
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 241 of Year 2024

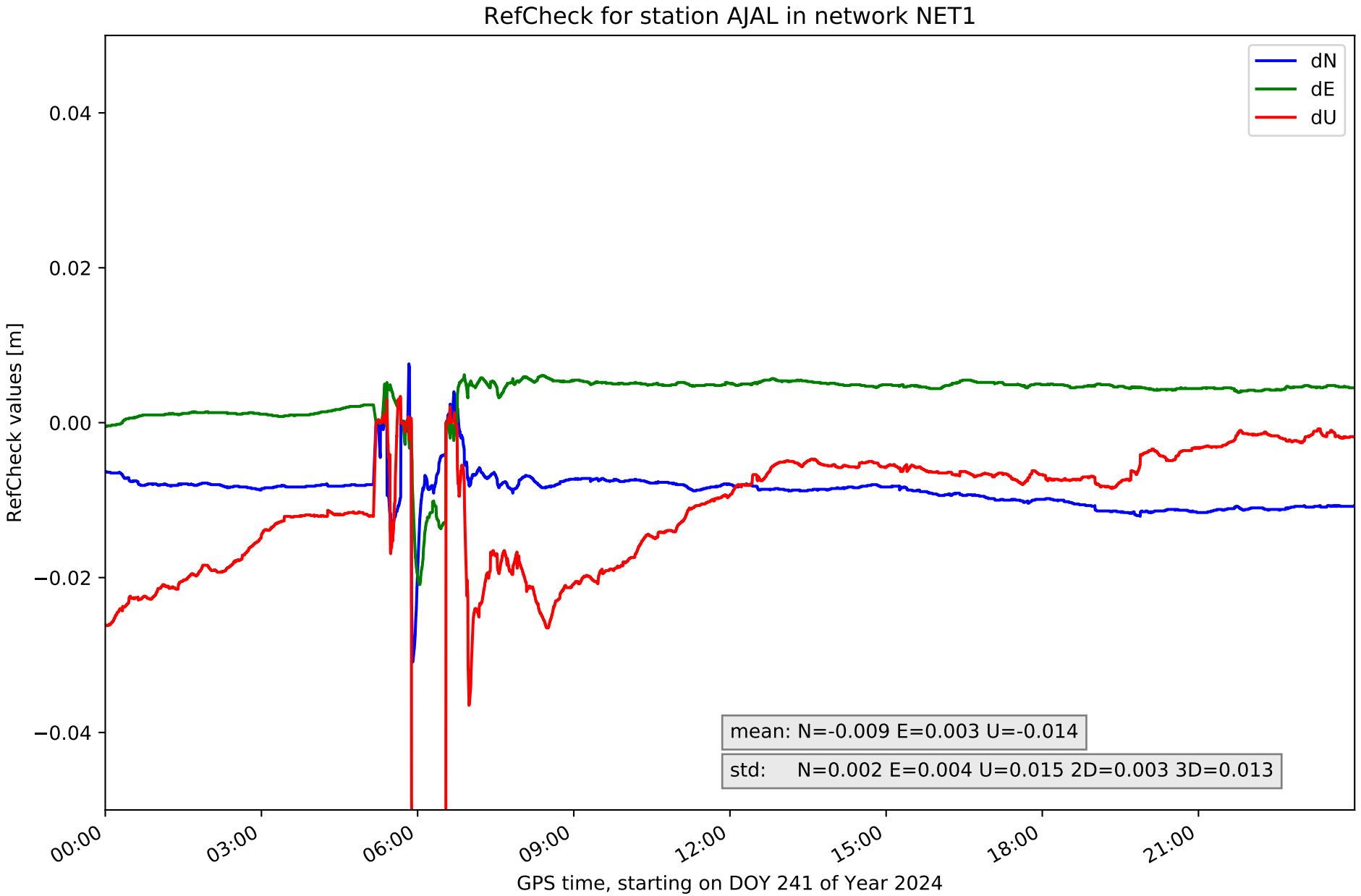

Station SGVA in network NET1
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 241 of Year 2024

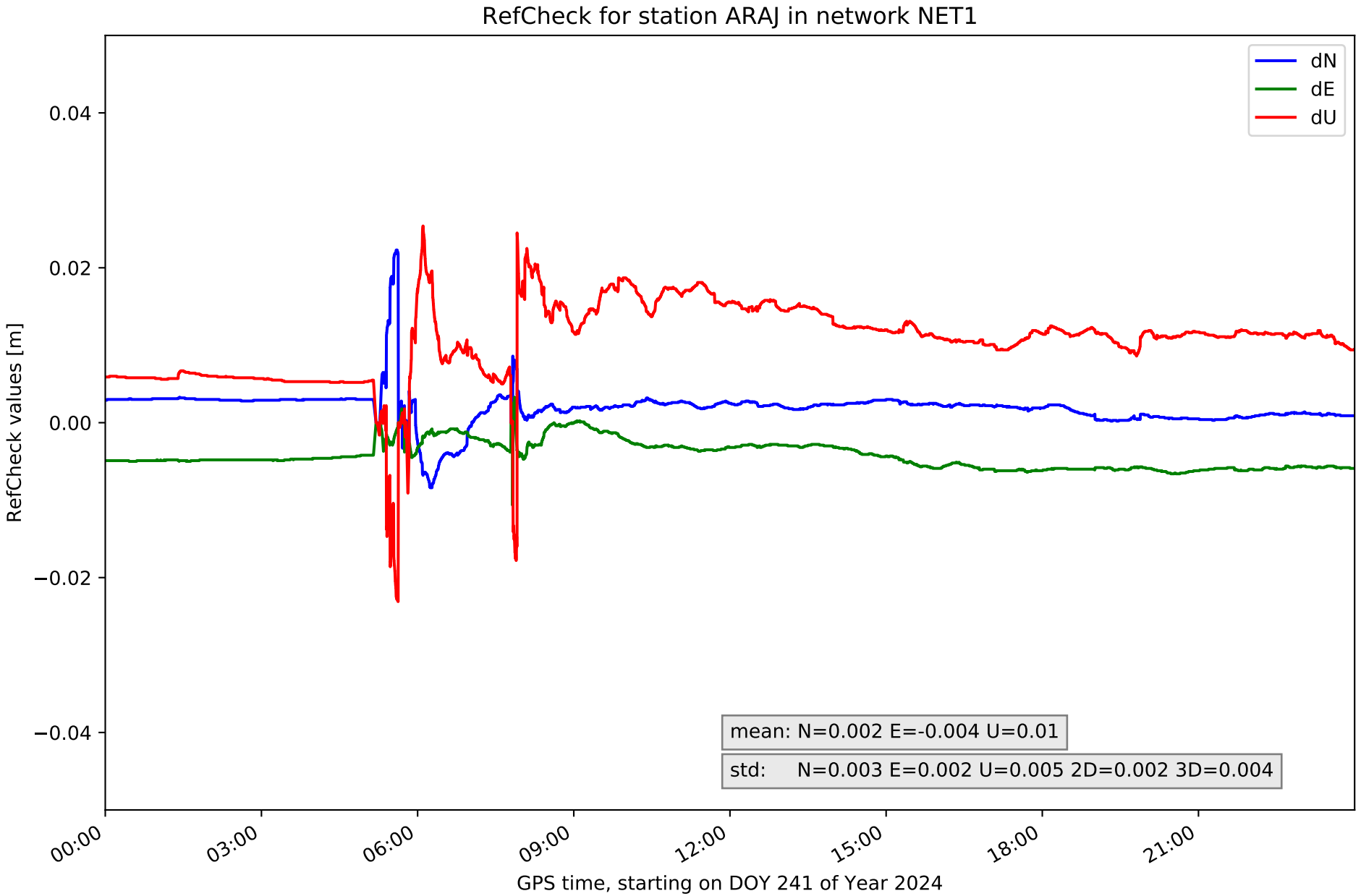

Station SMDV in network NET1
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 241 of Year 2024

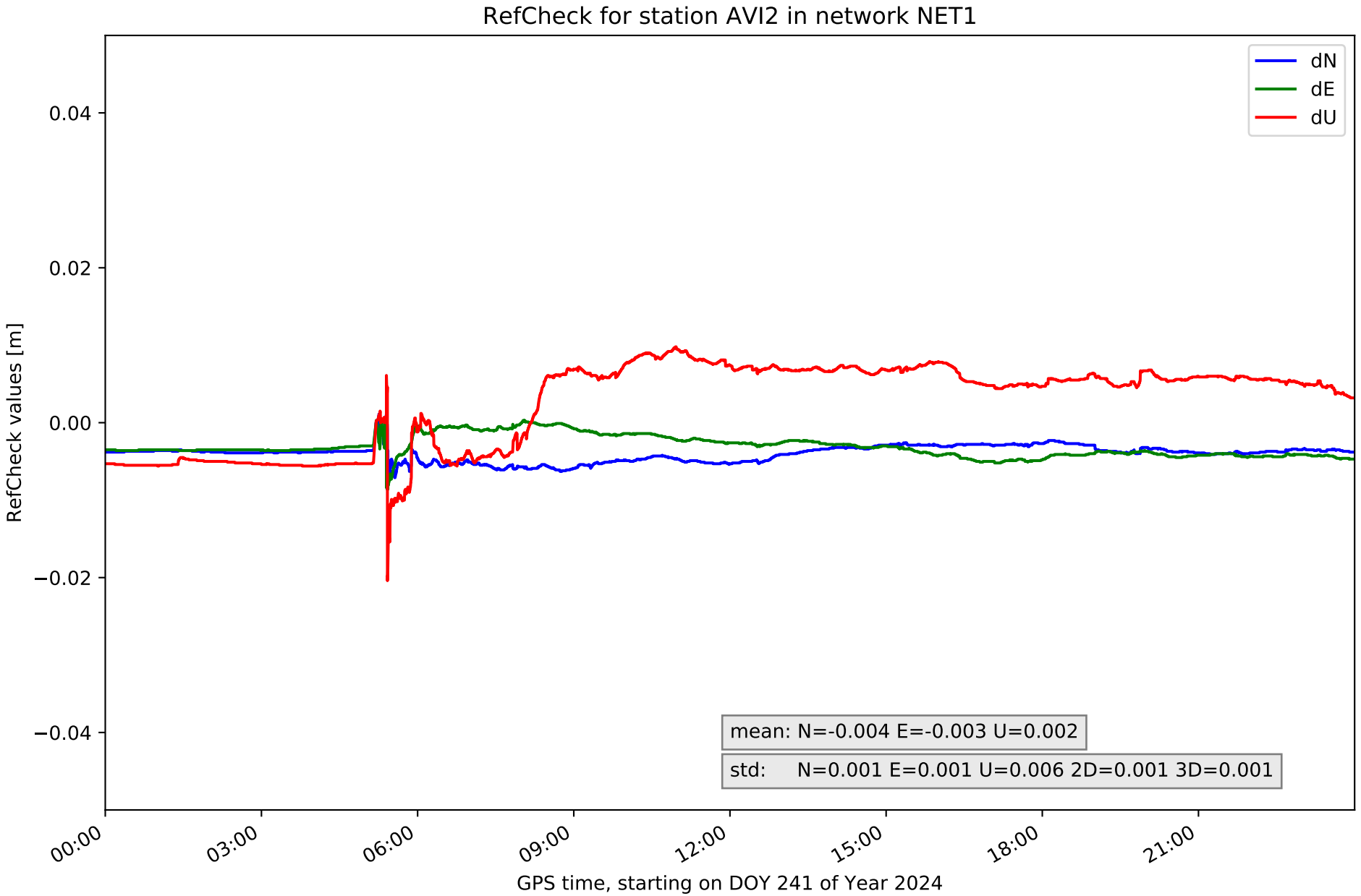

Station SPAB in network NET1
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 241 of Year 2024

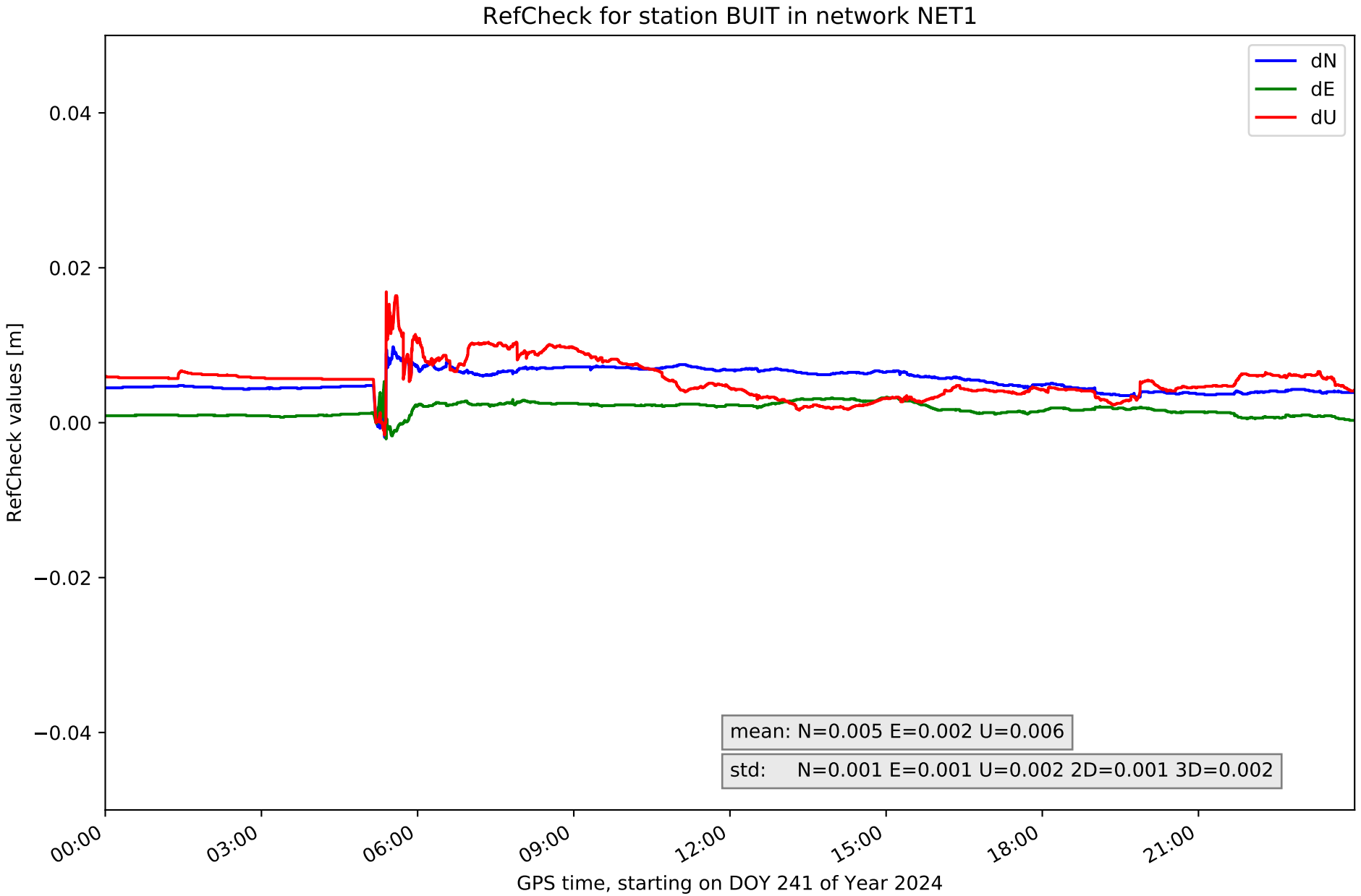

Station TALV in network NET1
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
28-Aug
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 241 of Year 2024

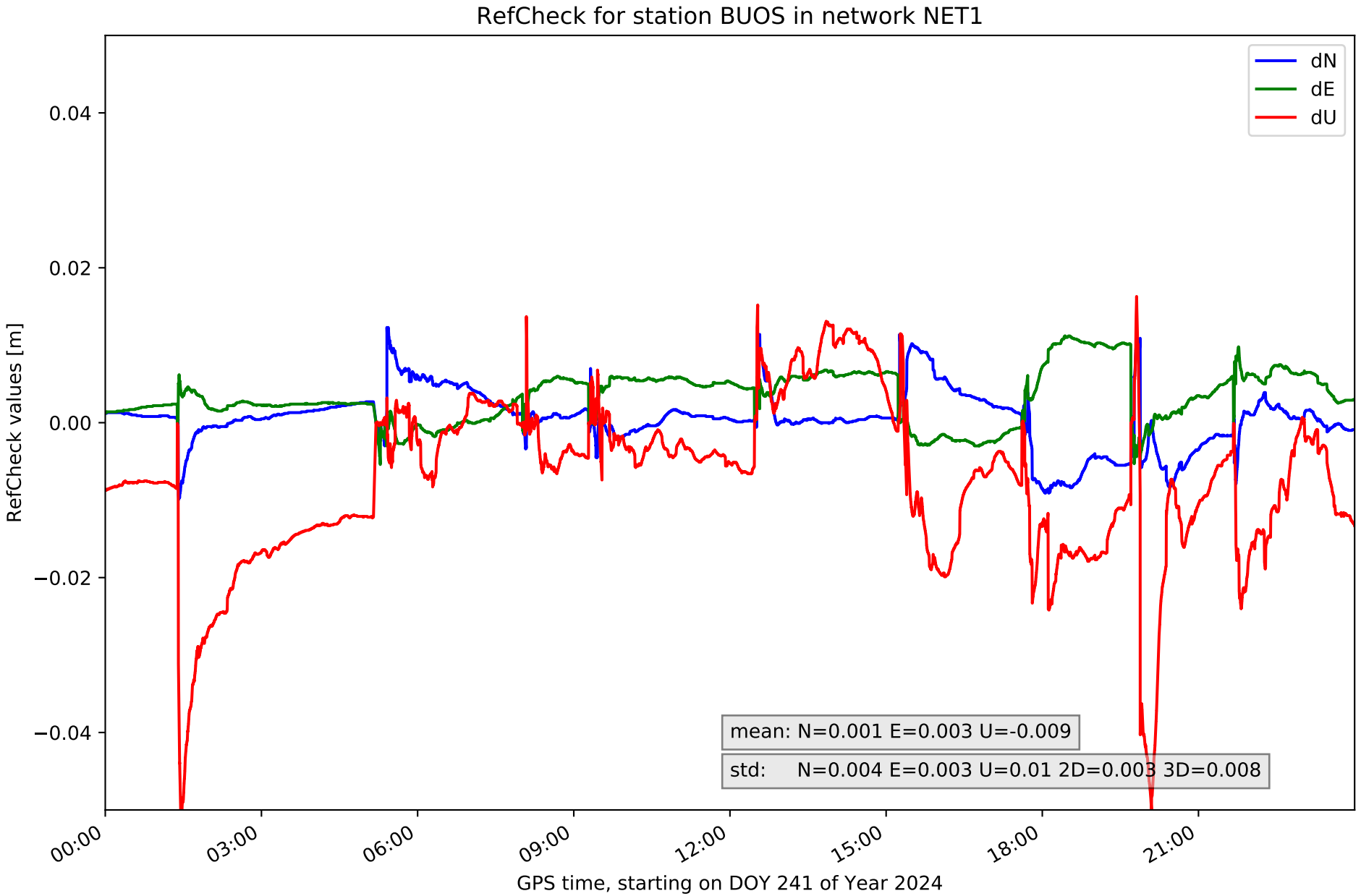

Station YEB1 in network NET1
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 241 of Year 2024

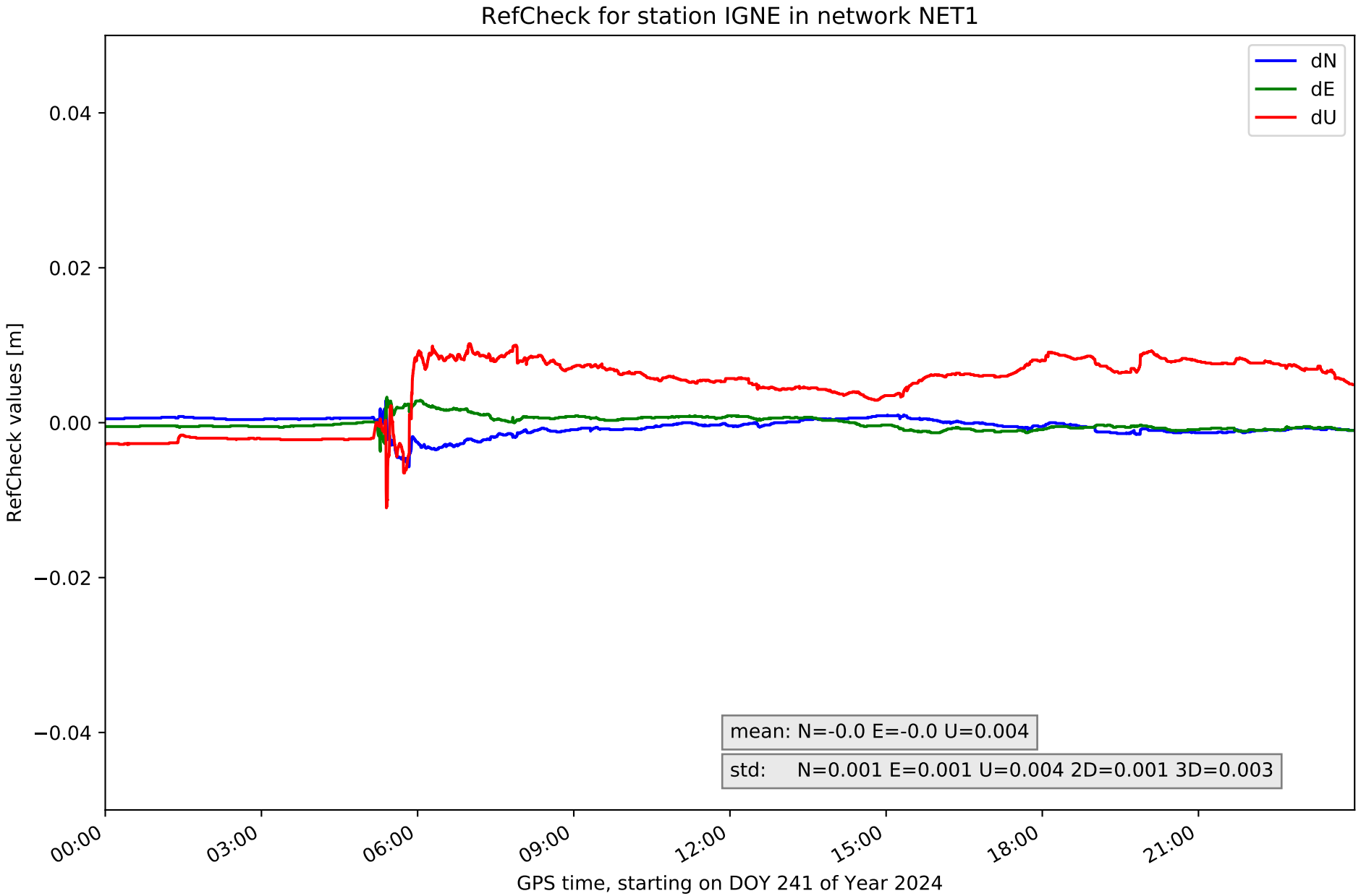

RefCheck for station AJAL in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.009 E=0.003 U=-0.014
std: N=0.002 E=0.004 U=0.015 2D=0.003 3D=0.013
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 241 of Year 2024

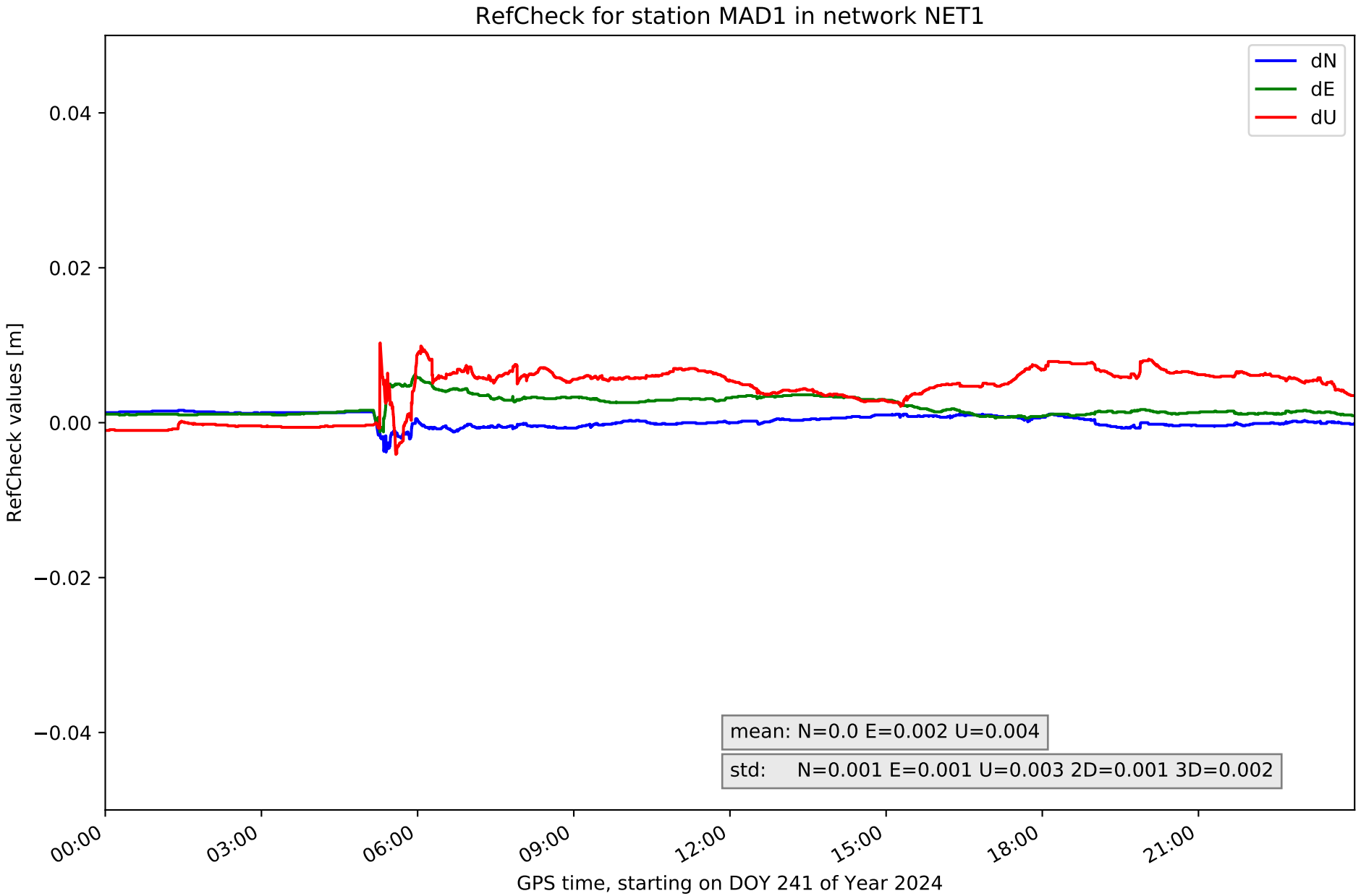

RefCheck for station ARAJ in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=-0.004 U=0.01
std: N=0.003 E=0.002 U=0.005 2D=0.002 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 241 of Year 2024

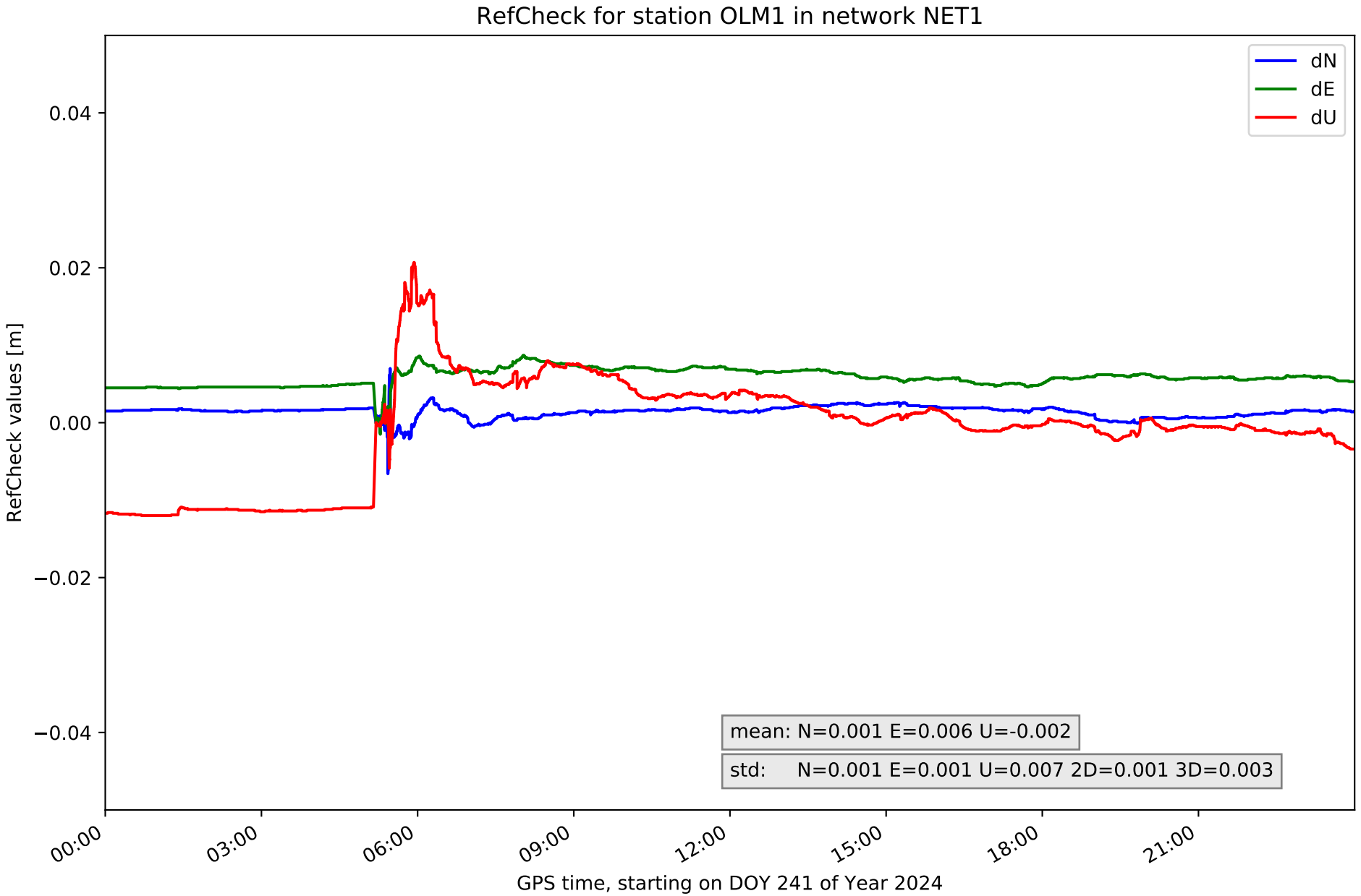

RefCheck for station AVI2 in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.004 E=-0.003 U=0.002
std: N=0.001 E=0.001 U=0.006 2D=0.001 3D=0.001
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 241 of Year 2024

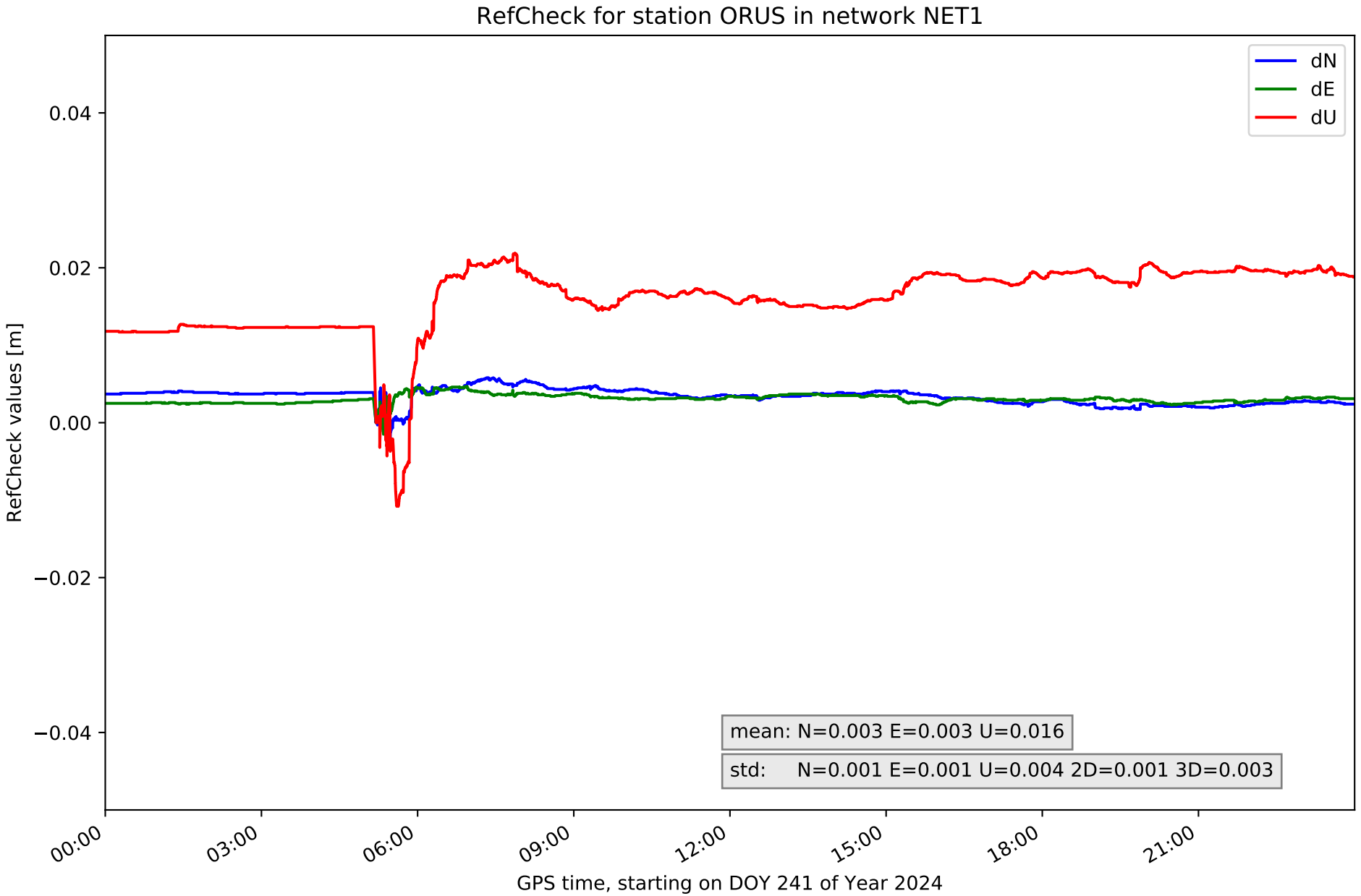

RefCheck for station BUIT in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.005 E=0.002 U=0.006
std: N=0.001 E=0.001 U=0.002 2D=0.001 3D=0.002
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 241 of Year 2024

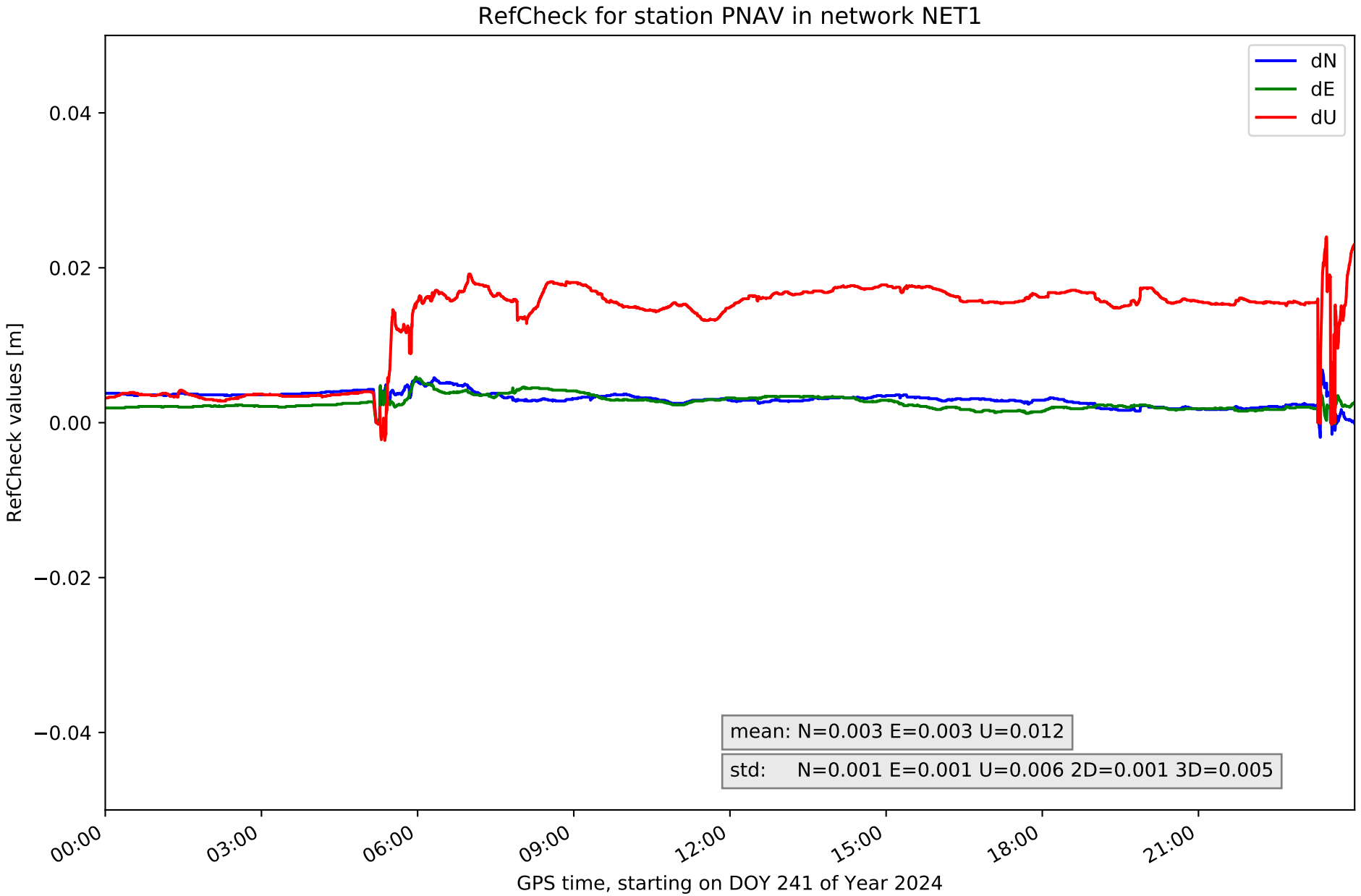

RefCheck for station BUOS in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.001 E=0.003 U=-0.009
std: N=0.004 E=0.003 U=0.01 2D=0.003 3D=0.008
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 241 of Year 2024

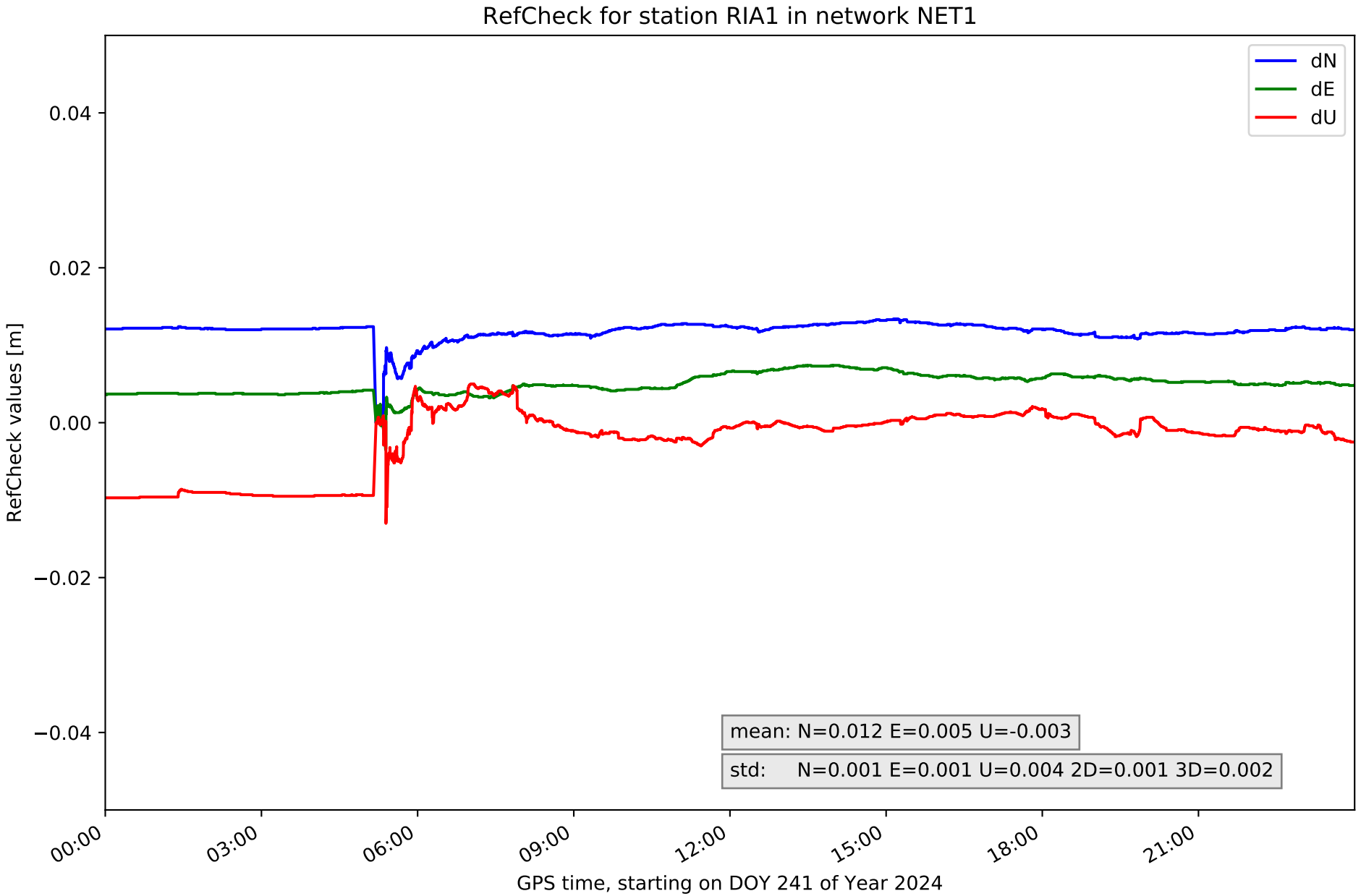

RefCheck for station IGNE in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.0 E=-0.0 U=0.004
std: N=0.001 E=0.001 U=0.004 2D=0.001 3D=0.003
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 241 of Year 2024

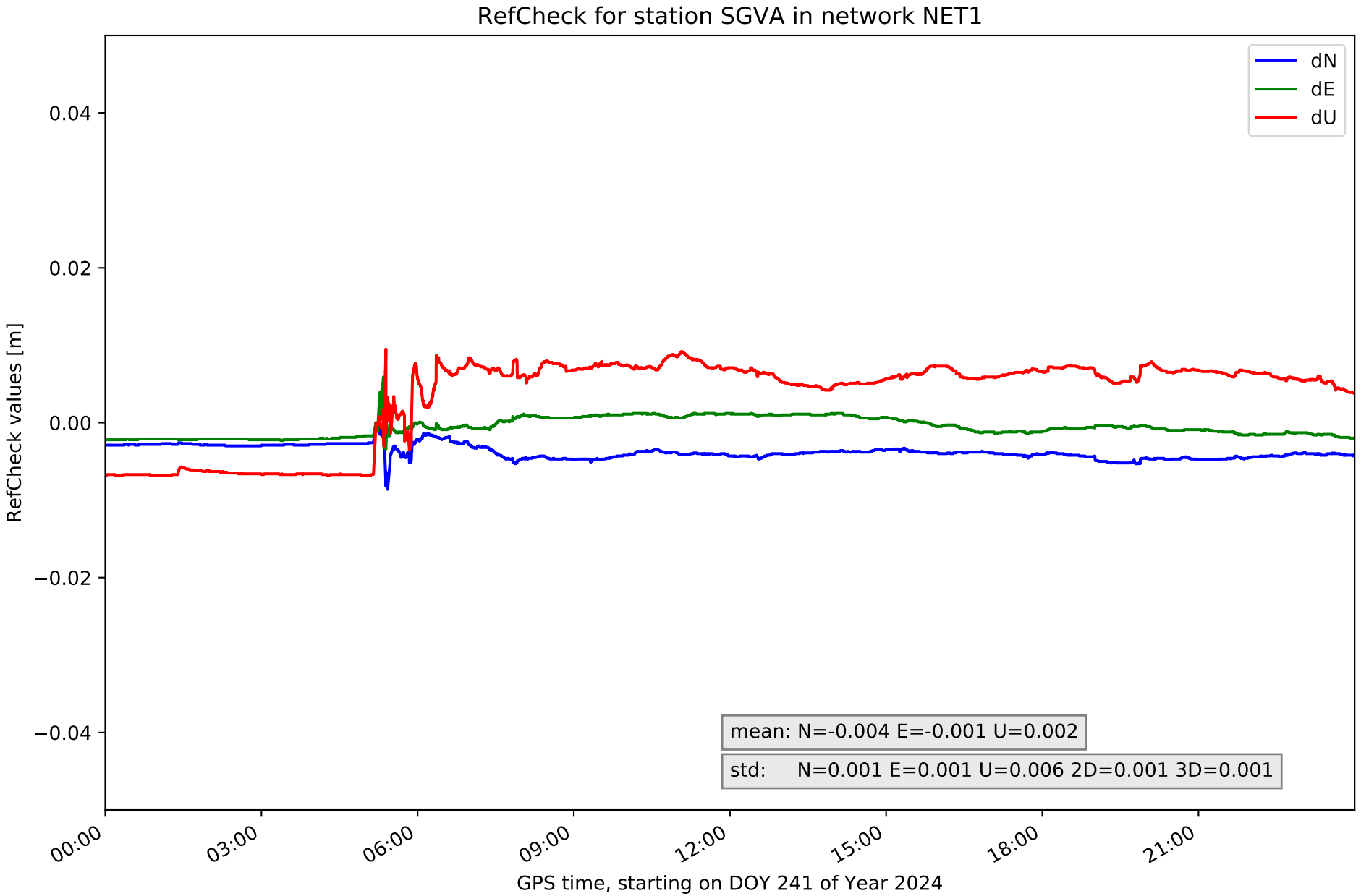

RefCheck for station MAD1 in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.0 E=0.002 U=0.004
std: N=0.001 E=0.001 U=0.003 2D=0.001 3D=0.002
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 241 of Year 2024

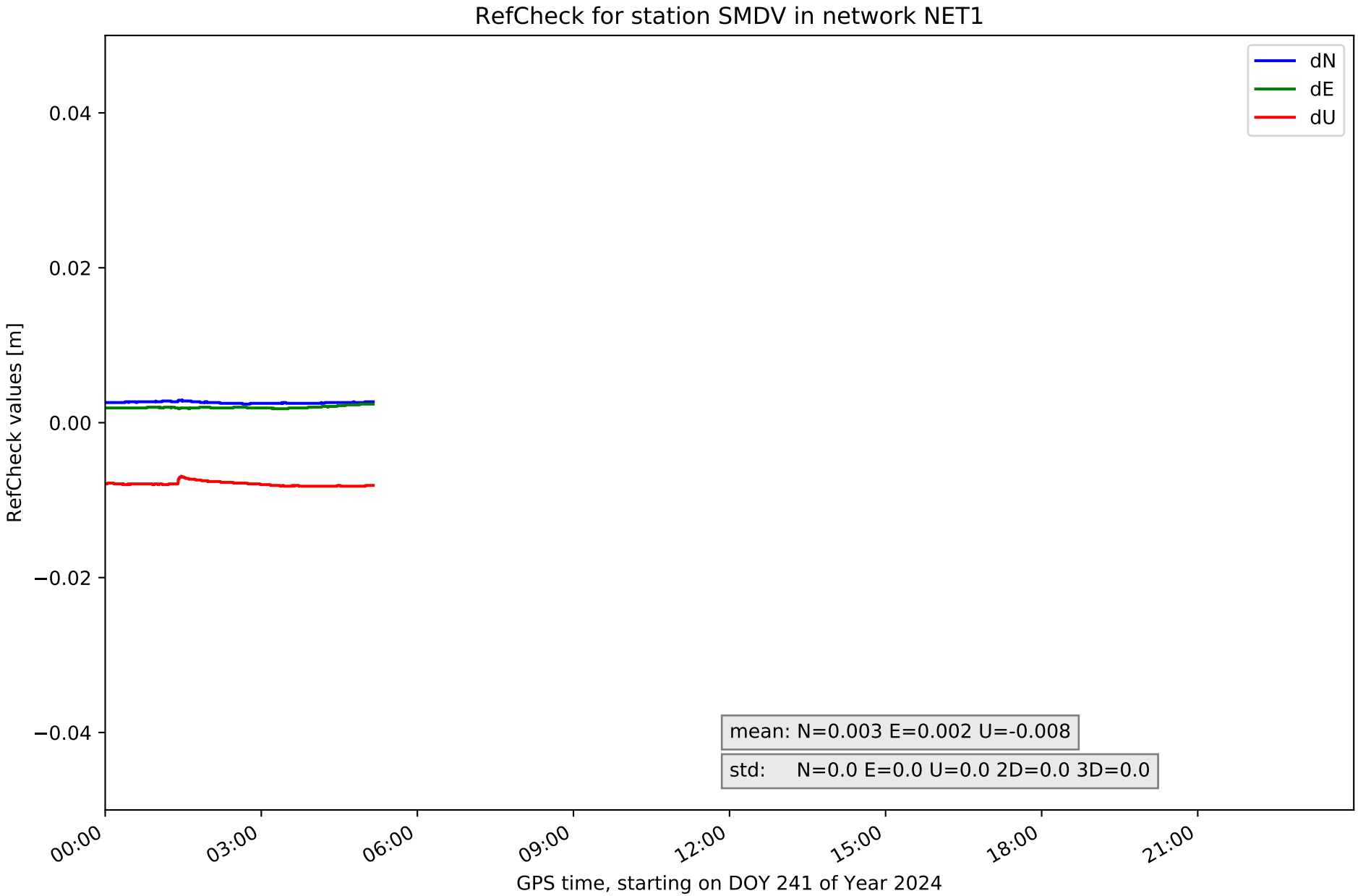

RefCheck for station OLM1 in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.001 E=0.006 U=-0.002
std: N=0.001 E=0.001 U=0.007 2D=0.001 3D=0.003
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 241 of Year 2024

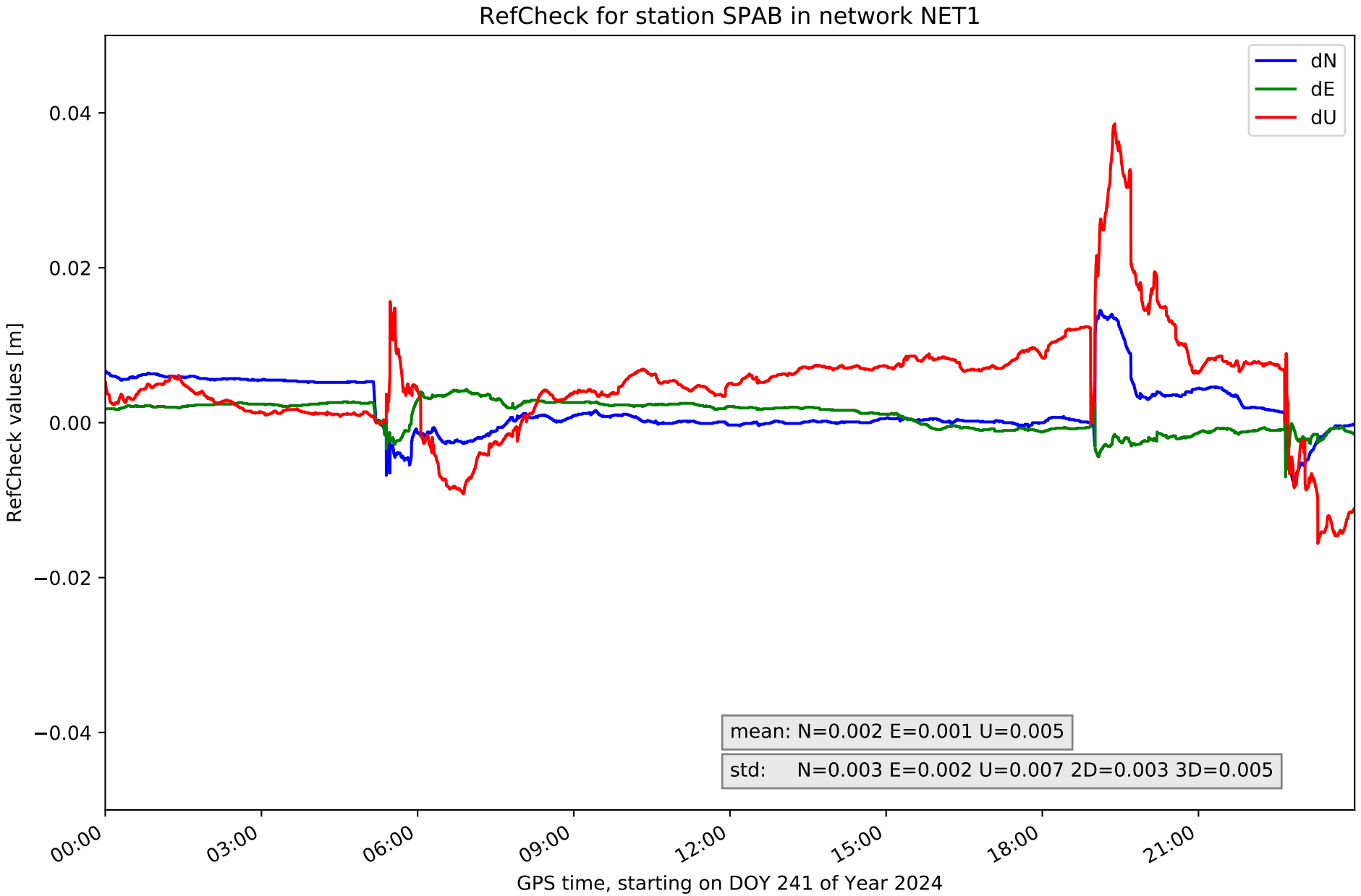

RefCheck for station ORUS in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.003 E=0.003 U=0.016
std: N=0.001 E=0.001 U=0.004 2D=0.001 3D=0.003
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 241 of Year 2024

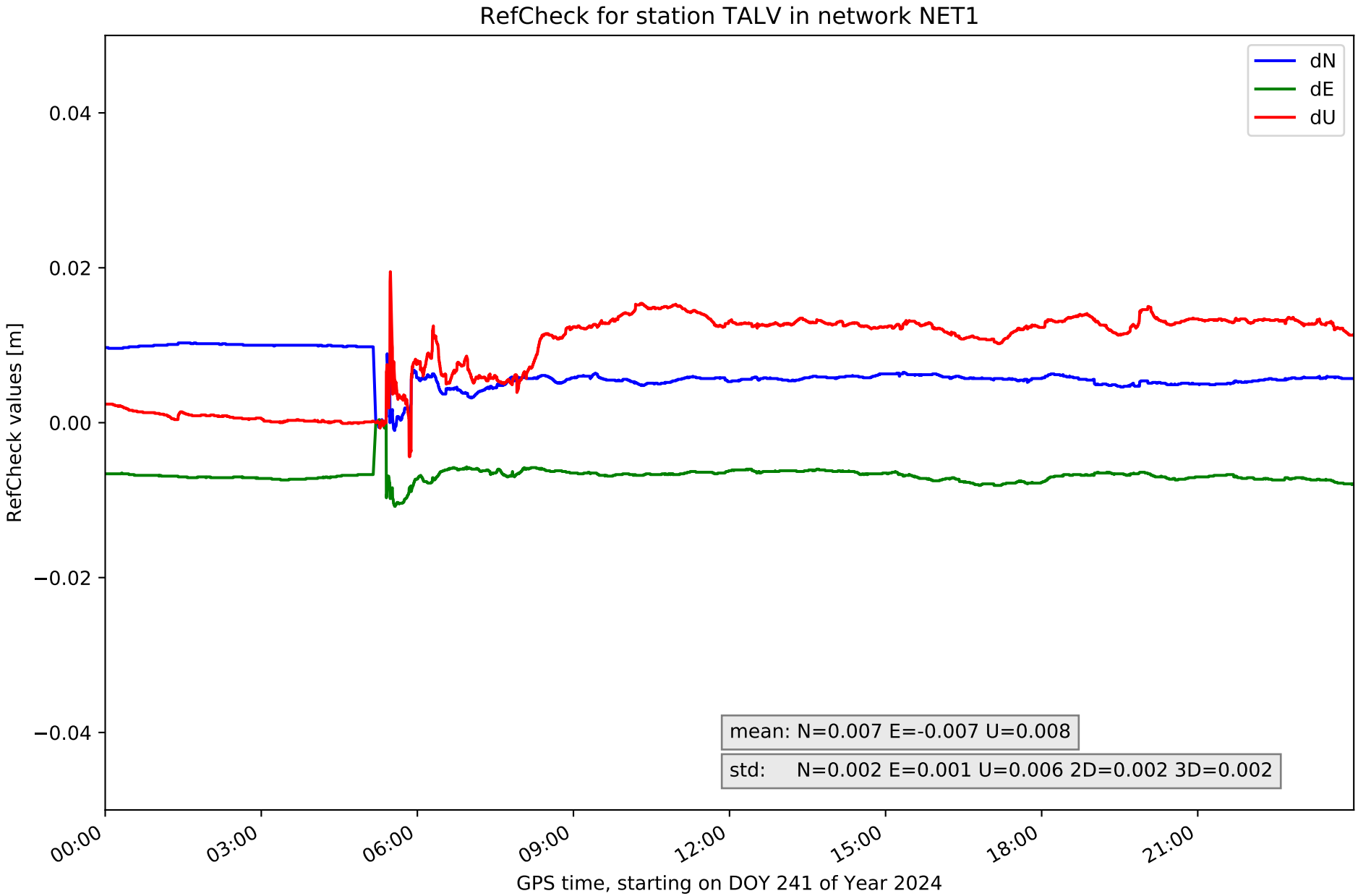

RefCheck for station PNAV in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.003 E=0.003 U=0.012
std: N=0.001 E=0.001 U=0.006 2D=0.001 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 241 of Year 2024

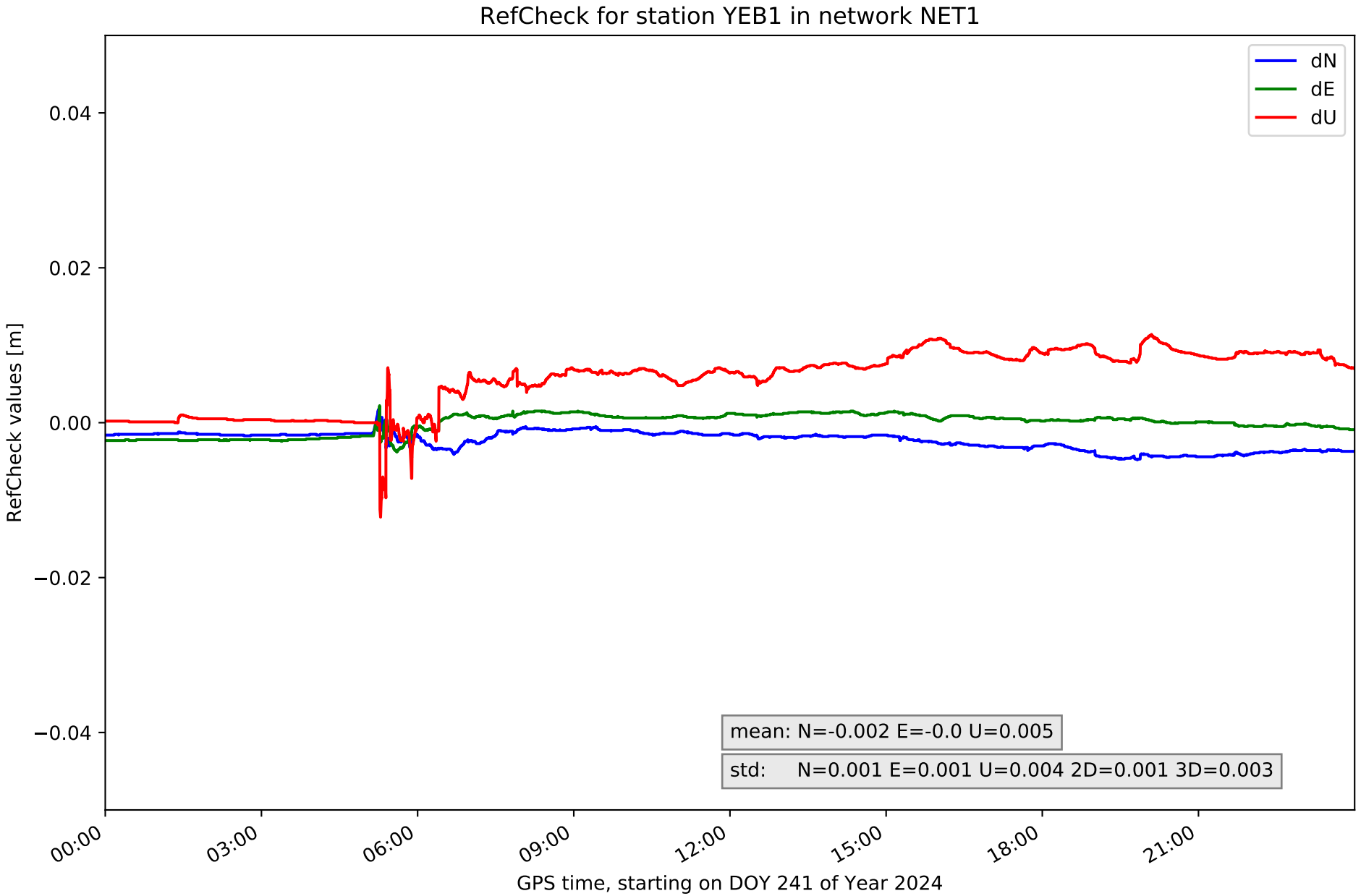

RefCheck for station RIA1 in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.012 E=0.005 U=-0.003
std: N=0.001 E=0.001 U=0.004 2D=0.001 3D=0.002
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 241 of Year 2024


RefCheck for station SGVA in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.004 E=-0.001 U=0.002
std: N=0.001 E=0.001 U=0.006 2D=0.001 3D=0.001
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 241 of Year 2024


RefCheck for station SMDV in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.003 E=0.002 U=-0.008
std: N=0.0 E=0.0 U=0.0 2D=0.0 3D=0.0
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 241 of Year 2024


RefCheck for station SPAB in network NET1
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=0.003 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 241 of Year 2024


RefCheck for station TALV in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.007 E=-0.007 U=0.008
std: N=0.002 E=0.001 U=0.006 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 241 of Year 2024


RefCheck for station YEB1 in network NET1
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.002 E=-0.0 U=0.005
std: N=0.001 E=0.001 U=0.004 2D=0.001 3D=0.003
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 241 of Year 2024

RefCheck values for network NET1

Station	Nmin	Nmax	Nstd	Emin	Emax	Estd	Umin	Umax	Ustd	std2D	std3D	#2D > 0.01	% 2D > 0.01	#3D > 0.02	% 3D > 0.02
AJAL	**-0.031**	0.008	0.002	**-0.021**	0.006	**0.004**	**-0.102**	0.003	**0.015**	**0.003**	**0.013**	21936	40.8	**15142**	**28.2**
ARAJ	-0.008	**0.022**	0.003	-0.011	0.003	0.002	-0.023	0.025	0.005	0.002	0.004	645	1.2	1613	3.0
AVI2	-0.007	0.001	0.001	-0.009	0.001	0.001	-0.02	0.01	0.006	0.001	0.001	0	0.0	27	0.1
BUIT	-0.002	0.01	0.001	-0.002	0.005	0.001	-0.002	0.017	0.002	0.001	0.002	0	0.0	0	0.0
BUOS	-0.01	0.012	**0.004**	-0.005	**0.011**	0.003	-0.052	0.016	0.01	**0.003**	0.008	4619	8.6	7941	14.8
IGNE	-0.006	0.003	0.001	-0.004	0.003	0.001	-0.011	0.01	0.004	0.001	0.003	0	0.0	0	0.0
MAD1	-0.004	0.002	0.001	-0.001	0.006	0.001	-0.004	0.01	0.003	0.001	0.002	0	0.0	0	0.0
OLM1	-0.007	0.007	0.001	-0.002	0.009	0.001	-0.012	0.021	0.007	0.001	0.003	0	0.0	245	0.5
ORUS	-0.002	0.006	0.001	-0.002	0.005	0.001	-0.011	0.022	0.004	0.001	0.003	0	0.0	6187	11.5
PNAV	-0.002	0.007	0.001	-0.0	0.006	0.001	-0.002	0.024	0.006	0.001	0.005	0	0.0	461	0.9
RIA1	0.0	0.013	0.001	-0.004	0.007	0.001	-0.013	0.005	0.004	0.001	0.002	**52049**	**96.9**	0	0.0
SGVA	-0.009	0.0	0.001	-0.003	0.006	0.001	-0.007	0.009	0.006	0.001	0.001	0	0.0	0	0.0
SMDV	0.002	0.003	0.0	0.002	0.002	0.0	-0.008	-0.007	0.0	0.0	0.0	0	0.0	0	0.0
SPAB	-0.008	0.015	0.003	-0.007	0.004	0.002	-0.016	**0.039**	0.007	**0.003**	0.005	1260	2.3	1611	3.0
TALV	-0.001	0.01	0.002	-0.011	0.0	0.001	-0.004	0.019	0.006	0.002	0.002	16339	30.4	54	0.1
YEB1	-0.005	0.002	0.001	-0.004	0.002	0.001	-0.012	0.011	0.004	0.001	0.003	0	0.0	0	0.0
Mean	**-0.006**	**0.008**	**0.002**	**-0.005**	**0.005**	**0.001**	**-0.019**	**0.015**	**0.006**	**0.001**	**0.004**	**6053.0**	**11.3**	**2080.1**	**3.9**
Min/Max	**-0.031**	**0.022**	**0.004**	**-0.021**	**0.011**	**0.004**	**-0.102**	**0.039**	**0.015**	**0.003**	**0.013**	**52049**	**96.9**	**15142**	**28.2**

fixing statistic for network NET1

fixing percentage of	all GNSS	G	R	E	C
using threshold 0.3	89.6	93.1	92.1	93.1	80.8
considering satellites with dual-frequency fixed	88.1	90.0	88.3	89.6	82.6
considering all signals separately	87.9	90.1	88.3	89.8	80.4