summary for network NET7

timeperiod chosen: from 2026-01-13-00:00:00 until 2026-01-13-23:59:59

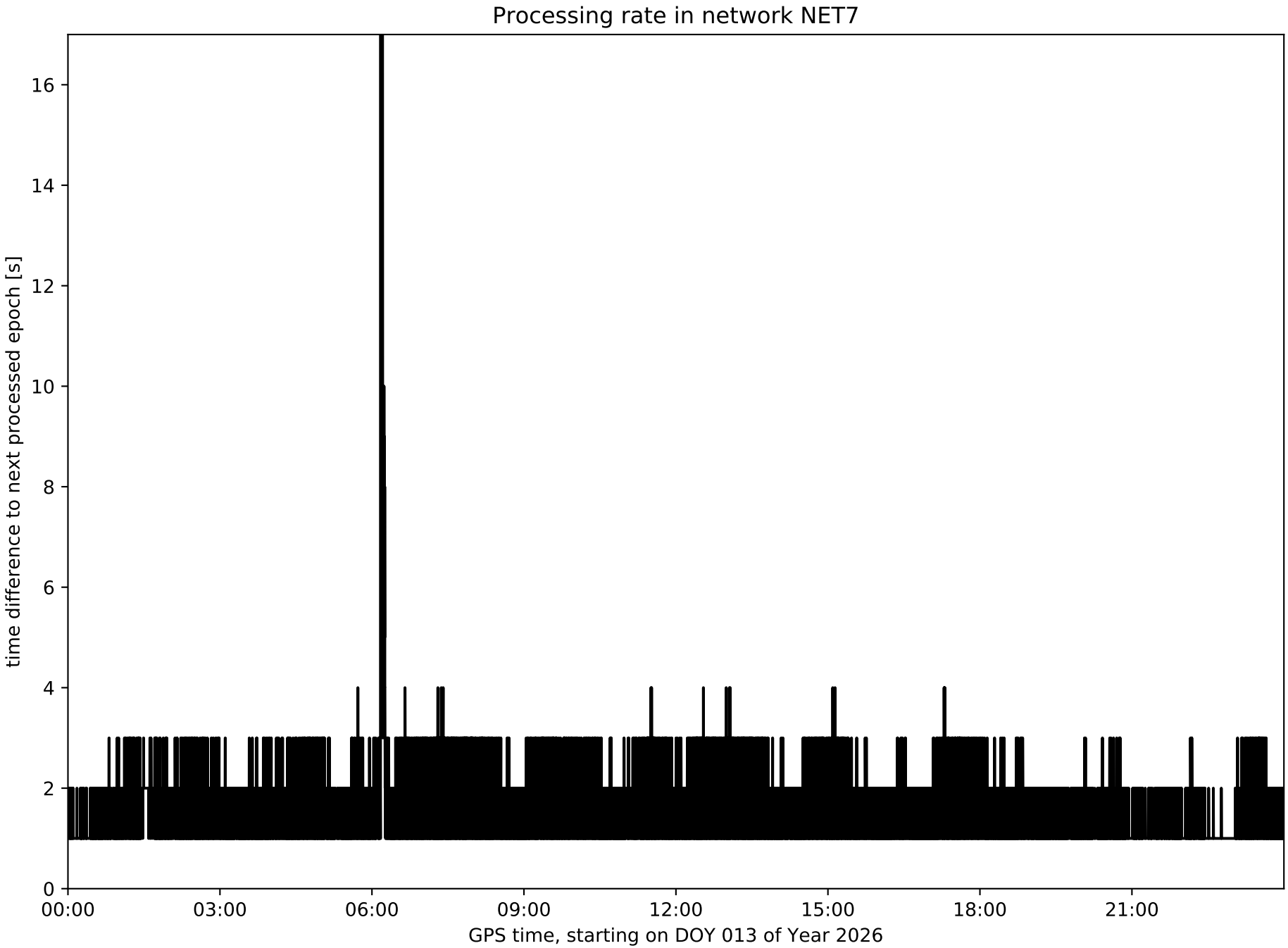
average update rate (durations larger than 15 seconds considered as observation gap): 1.3 seconds

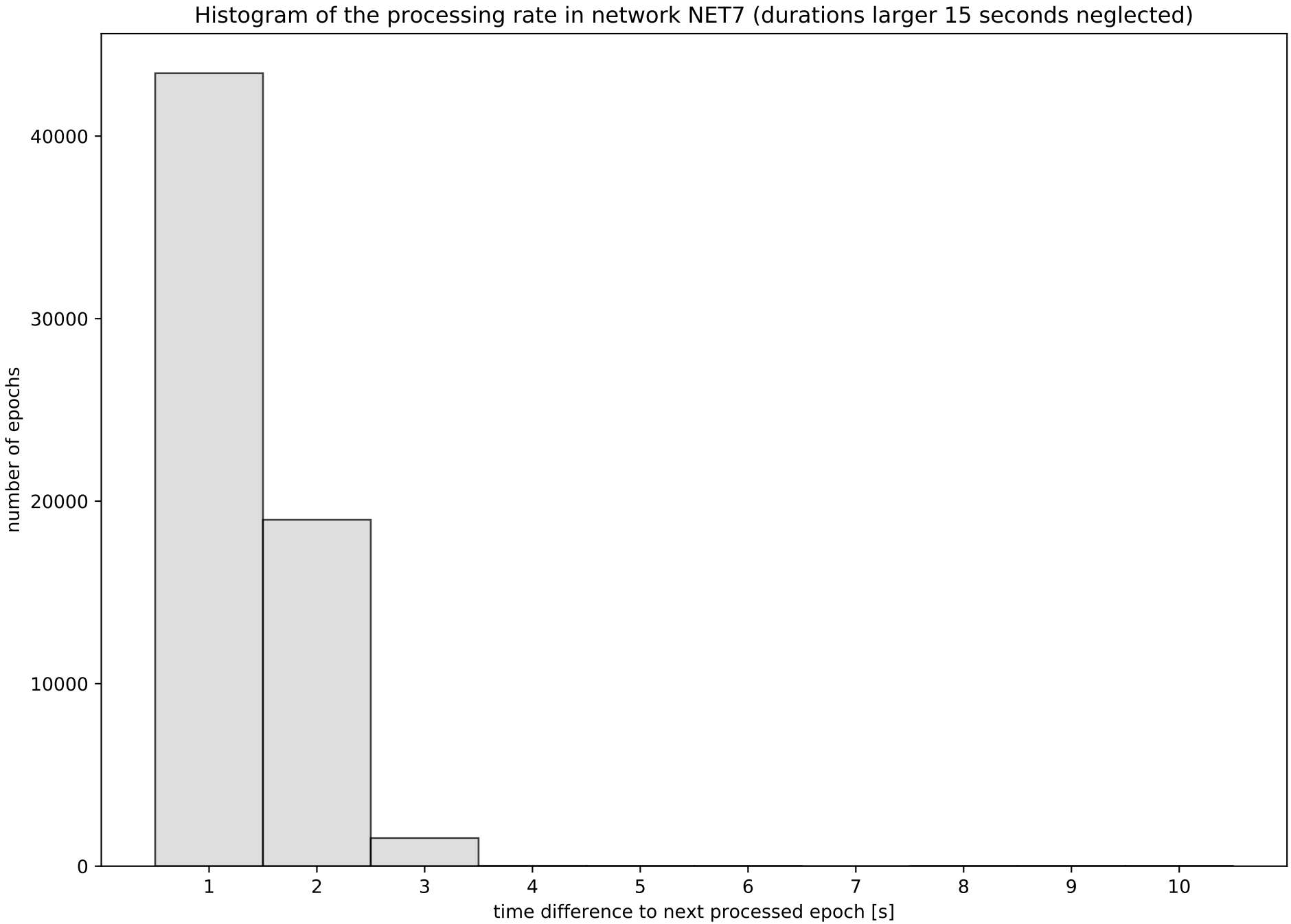
average fixing percentage with threshold set to 0.3: 94.6 percent

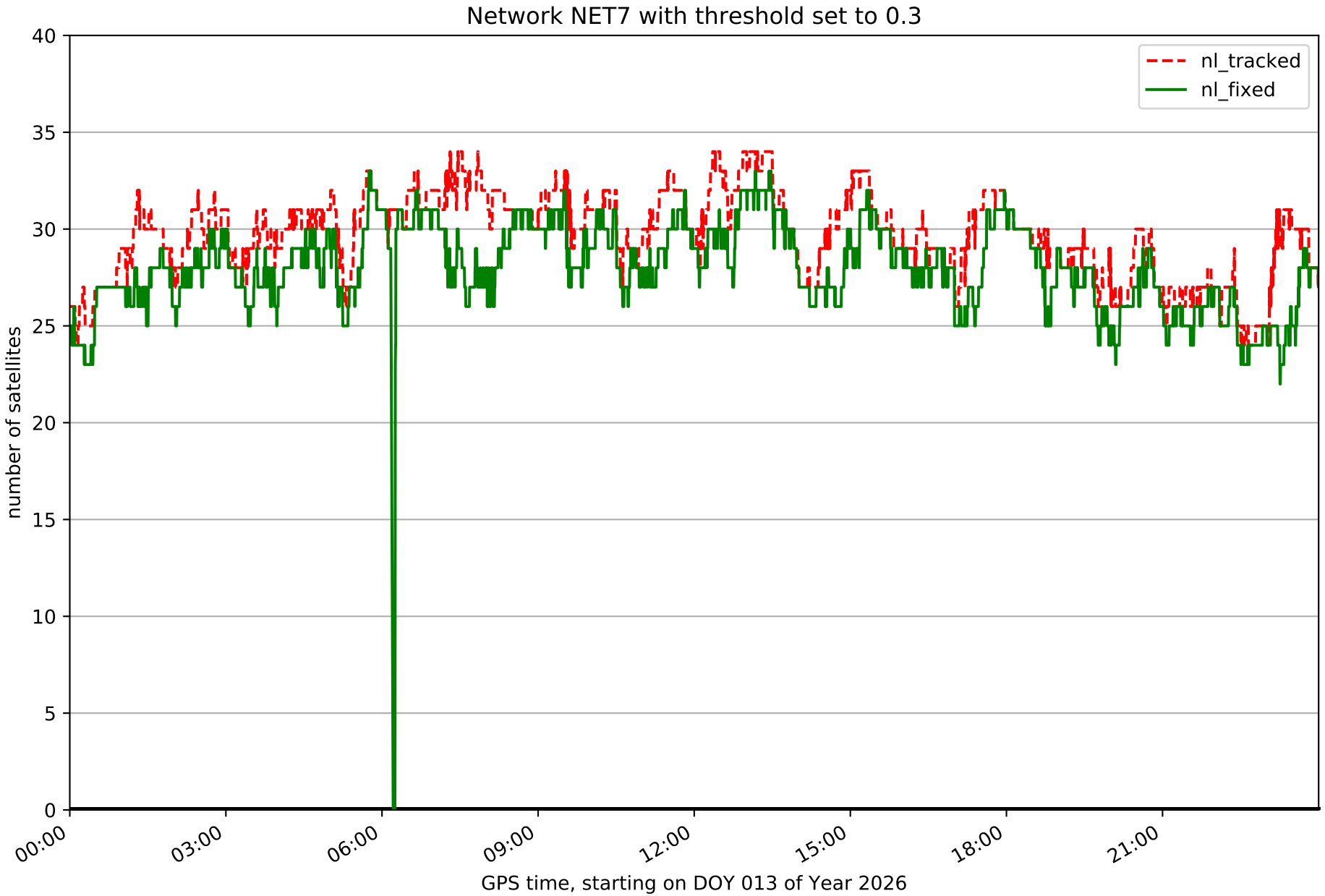
stations available: 18 of 18

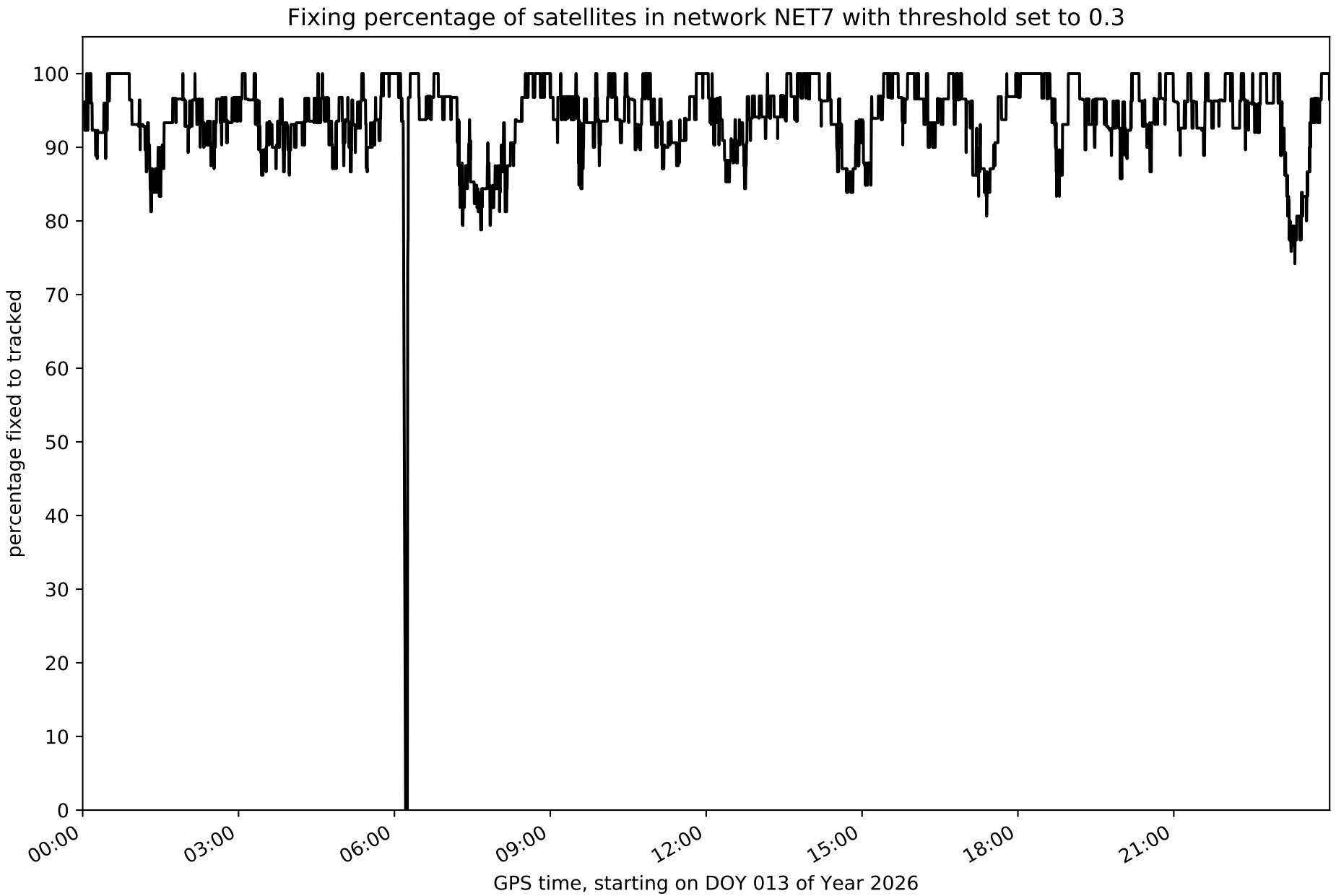
station information:

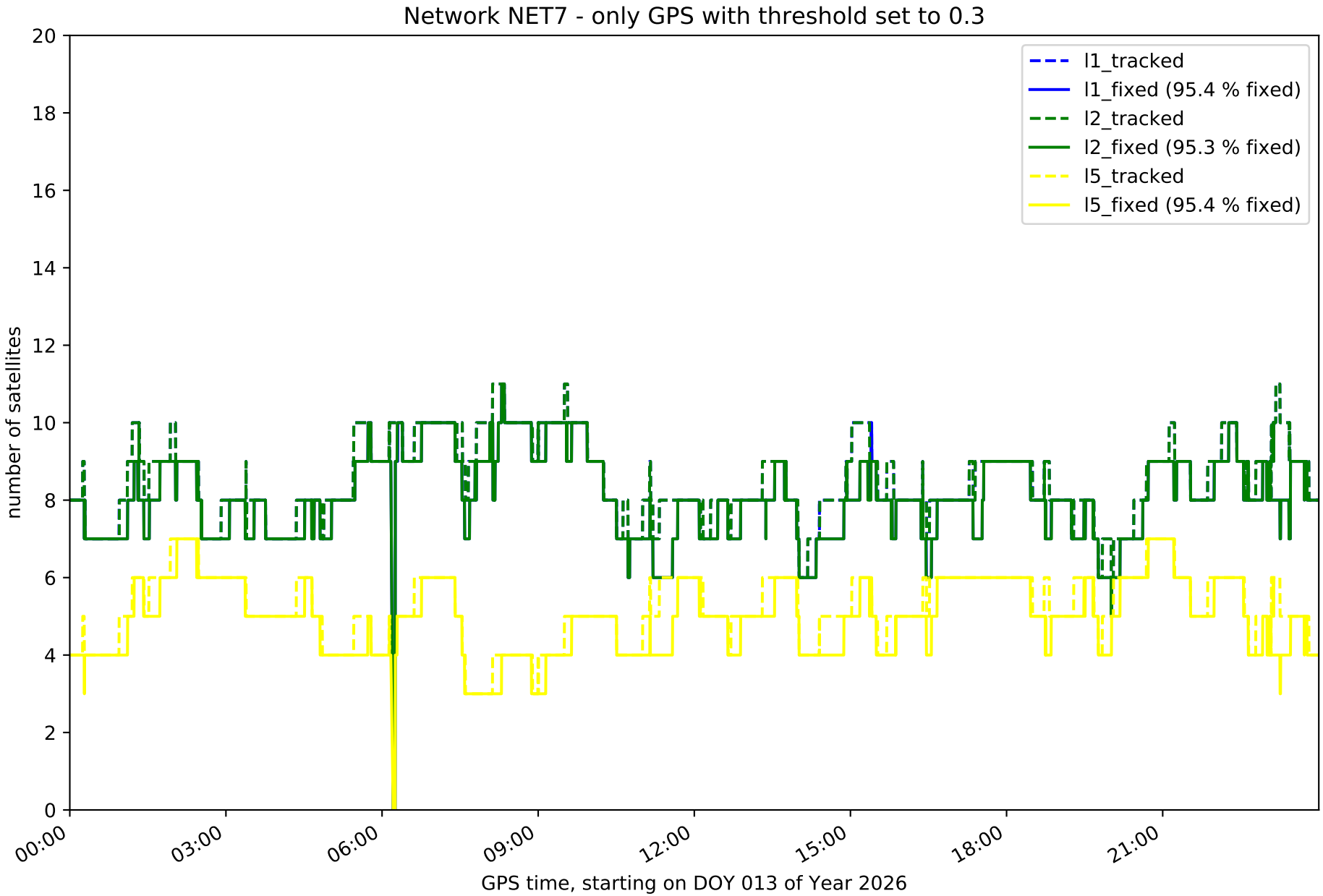
station AVL1:	antenna: LEIAR20 LEIM	receiver: LEICA GR50	height: 78.448
station CANT:	antenna: LEIAR25.R4 LEIT	receiver: LEICA GR50	height: 102.294
station CASO:	antenna: LEIAR20 LEIM	receiver: LEICA GR50	height: 651.927
station FUDE:	antenna: TRM59900.00 SCIS	receiver: TRIMBLE NETR9	height: 1903.209
station LANT:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR30	height: 532.459
station LARE:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 65.068
station LENA:	antenna: TPSCR.G5C TPSH	receiver: TPS NET-G5	height: 382.176
station LEON:	antenna: LEIAR25 NONE	receiver: LEICA GR50	height: 970.294
station MDPM:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 658.901
station RENS:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 908.687
station RIAN:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 1209.255
station RIBE:	antenna: LEIAR20 LEIM	receiver: LEICA GR50	height: 69.646
station RNAN:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 587.162
station SIRO:	antenna: LEIAR10 NONE	receiver: LEICA GR10	height: 226.113
station TRLV:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR30	height: 79.815
station VCRD:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 256.934
station VDGO:	antenna: LEIAR20 LEIM	receiver: LEICA GR50	height: 906.145
station XIXO:	antenna: LEIAR20 LEIM	receiver: LEICA GR50	height: 156.56

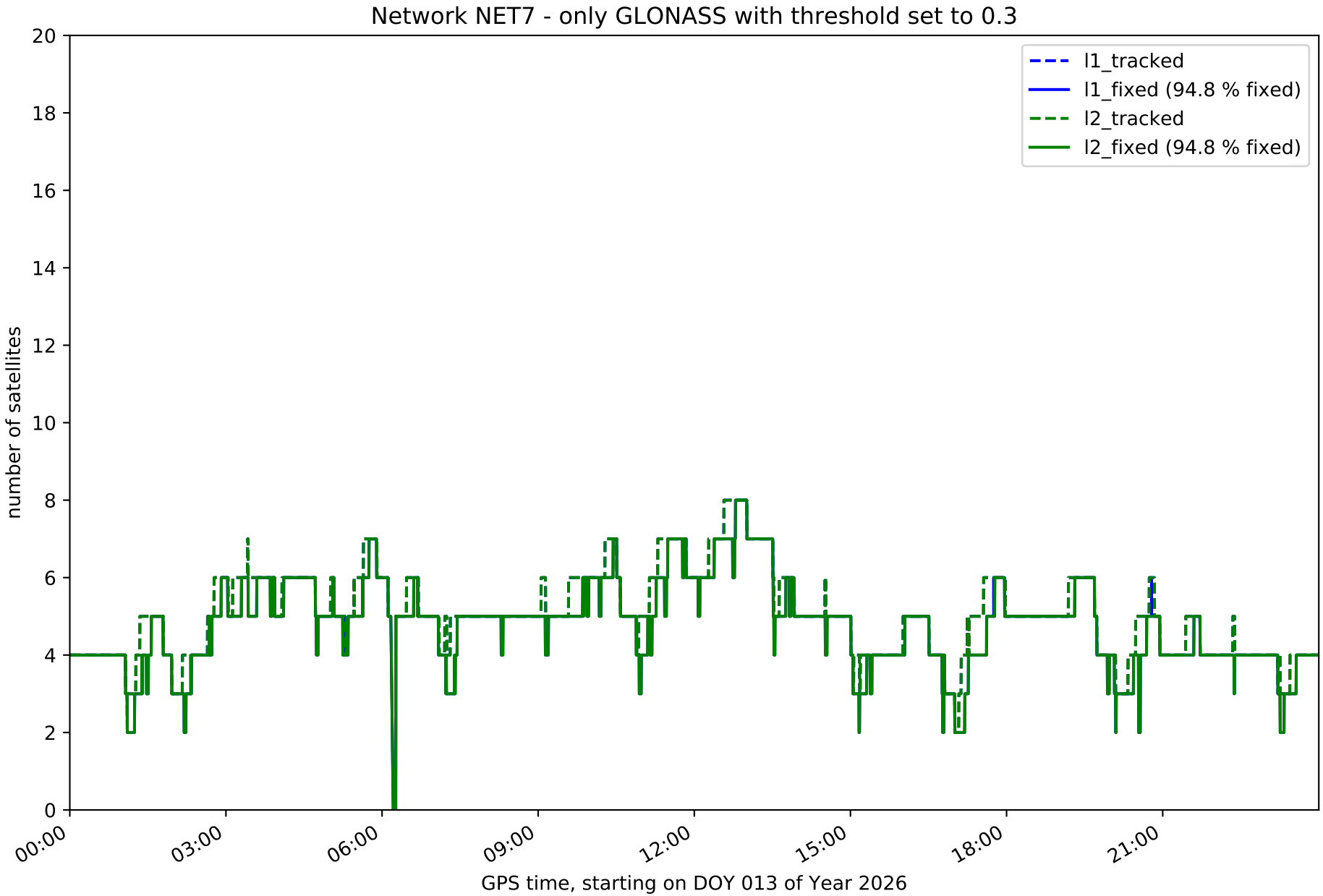

Processing rate in network NET7
time difference to next processed epoch [s]
0
2
4
6
8
10
12
14
16
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 013 of Year 2026

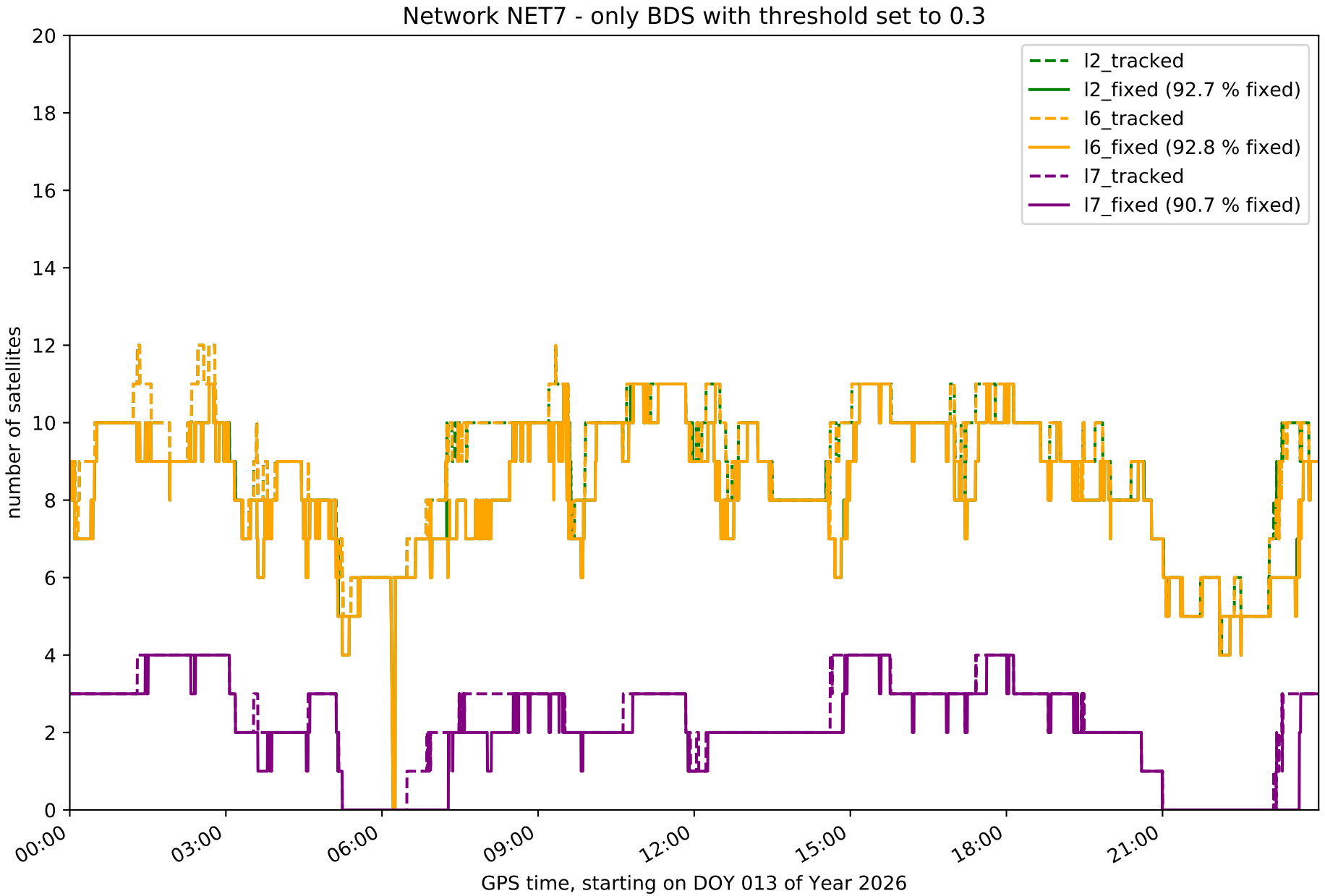

Histogram of the processing rate in network NET7 (durations larger 15 seconds neglected)
number of epochs
0
10000
20000
30000
40000
1
2
3
4
5
6
7
8
9
10
time difference to next processed epoch [s]

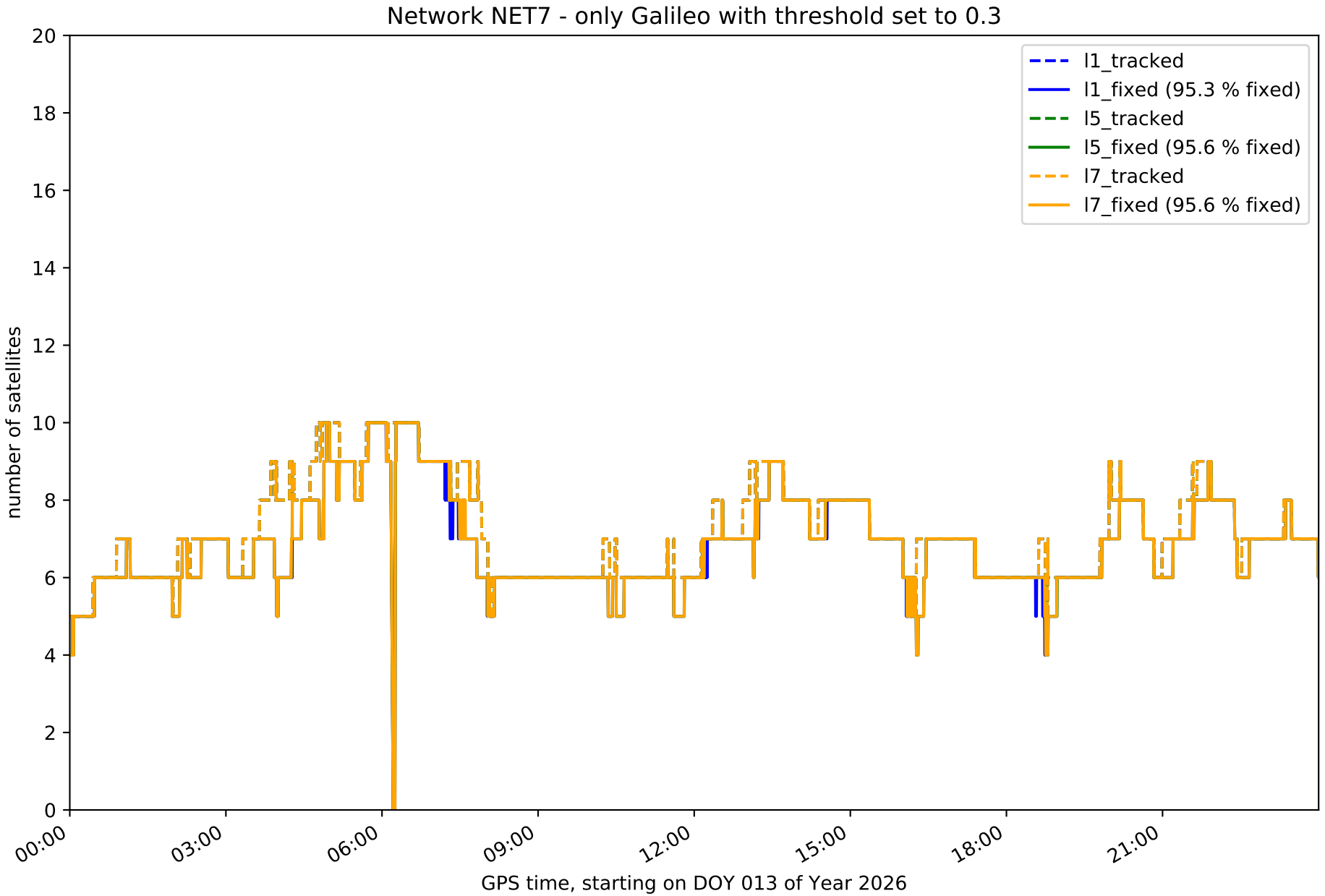

Network NET7 with threshold set to 0.3
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
40
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 013 of Year 2026

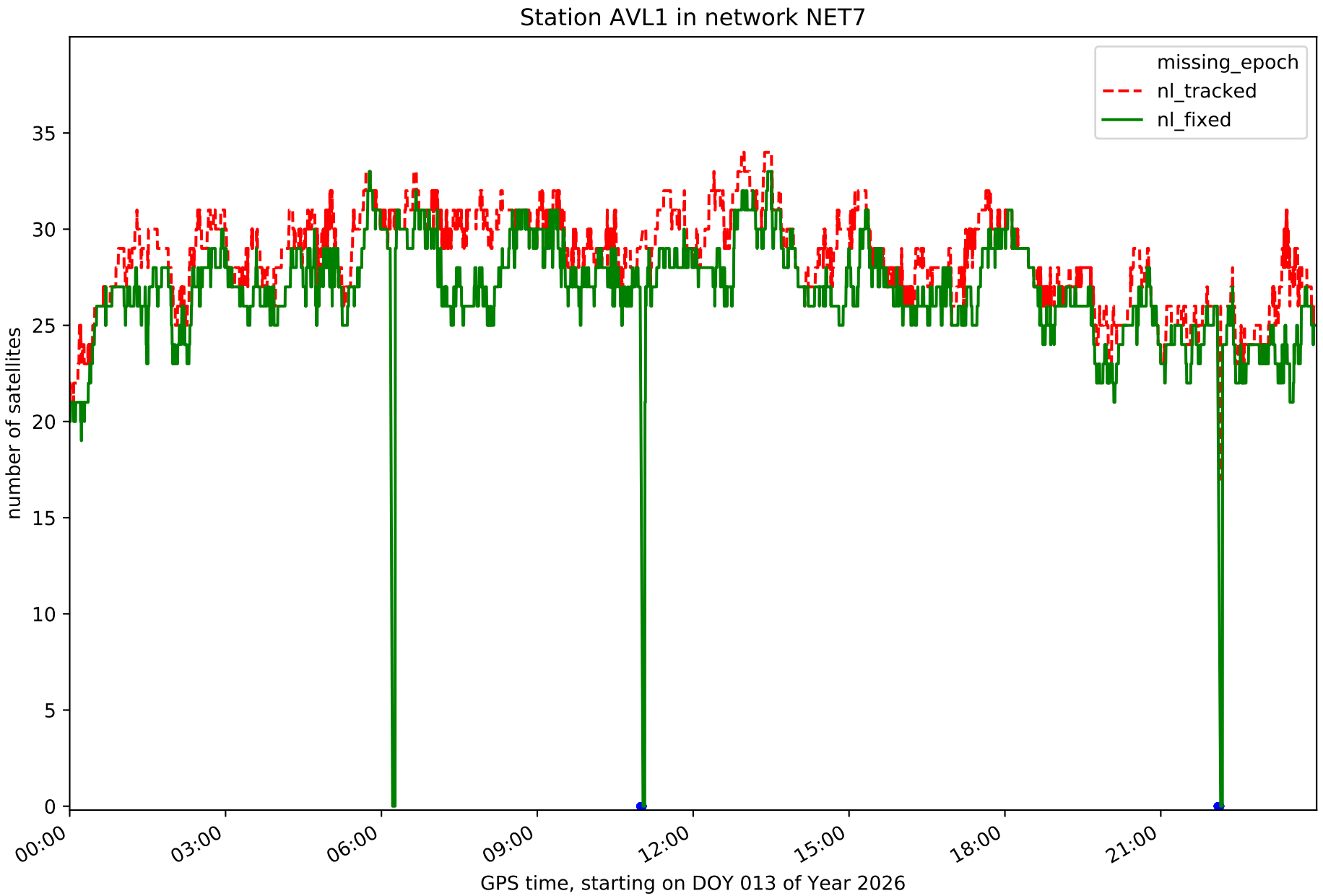

Fixing percentage of satellites in network NET7 with threshold set to 0.3
percentage fixed to tracked
100
90
80
70
60
50
40
30
20
10
0
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 013 of Year 2026

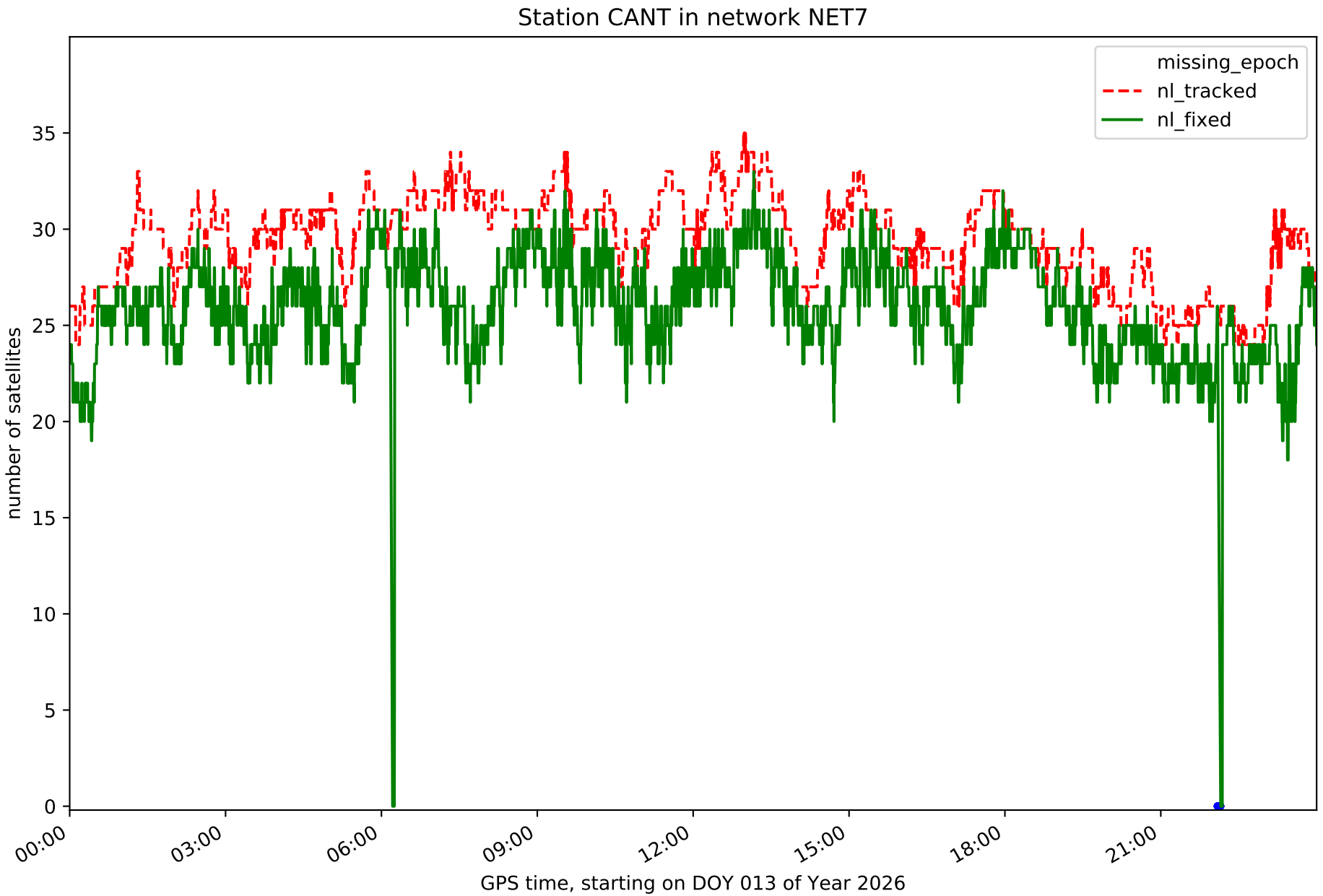

Network NET7 - only GPS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 013 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
l1_tracked
l1_fixed (95.4 % fixed)
l2_tracked
l2_fixed (95.3 % fixed)
l5_tracked
l5_fixed (95.4 % fixed)

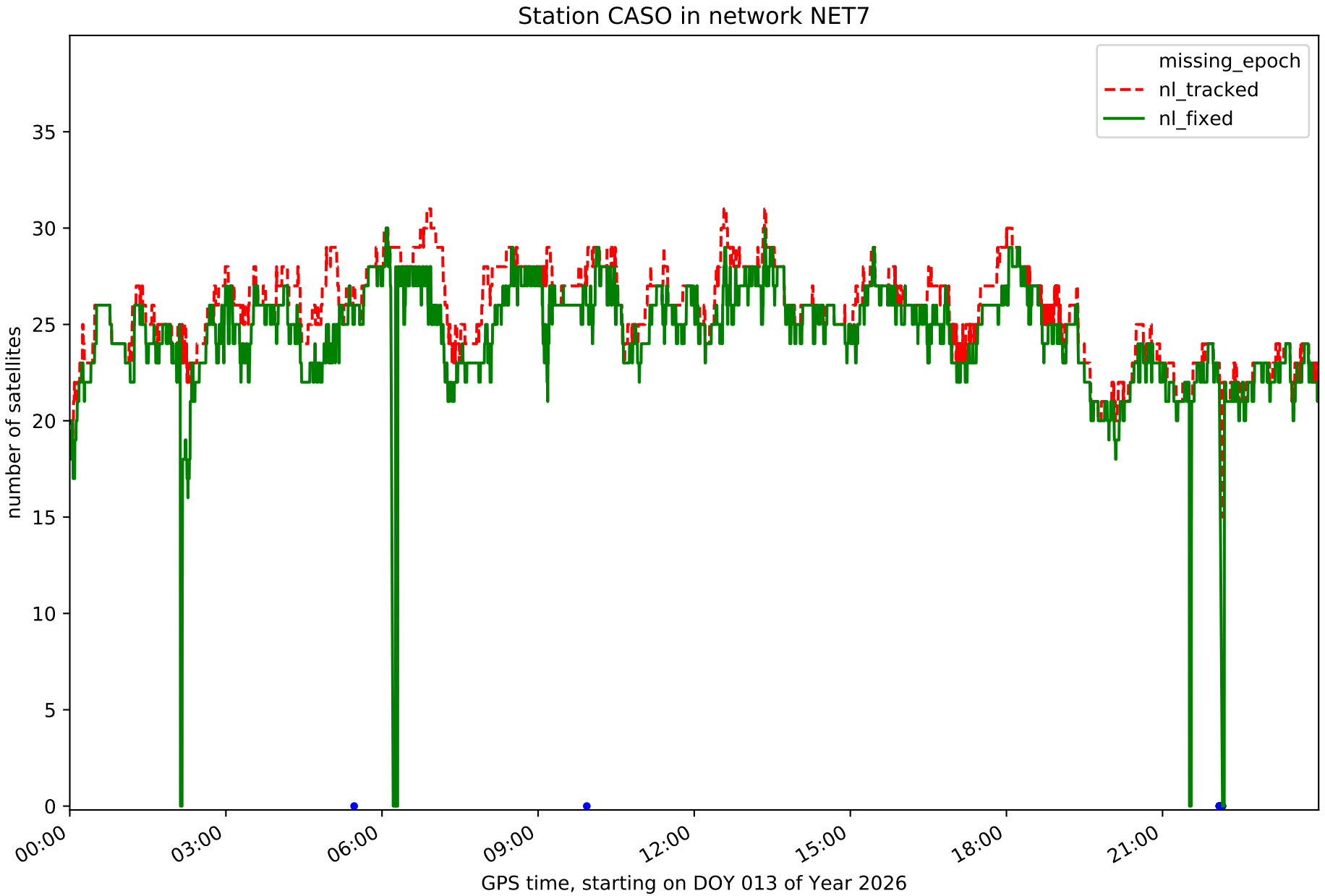

Network NET7 - only GLONASS with threshold set to 0.3
l1_tracked
l1_fixed (94.8 % fixed)
l2_tracked
l2_fixed (94.8 % fixed)
number of satellites
0
2
4
6
8
10
12
14
16
18
20
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 013 of Year 2026

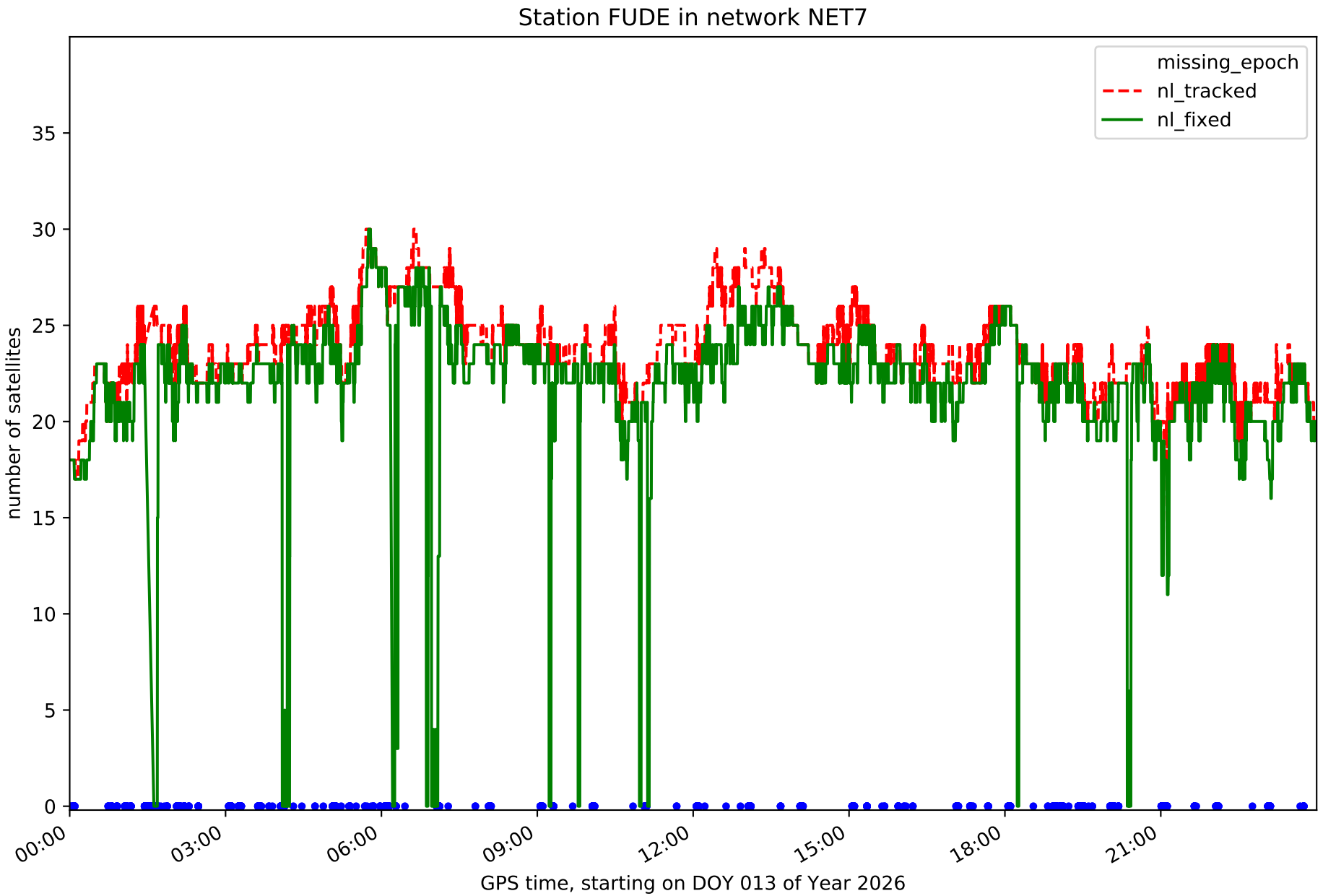

Network NET7 - only BDS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 013 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
I2_tracked
I2_fixed (92.7 % fixed)
I6_tracked
I6_fixed (92.8 % fixed)
I7_tracked
I7_fixed (90.7 % fixed)

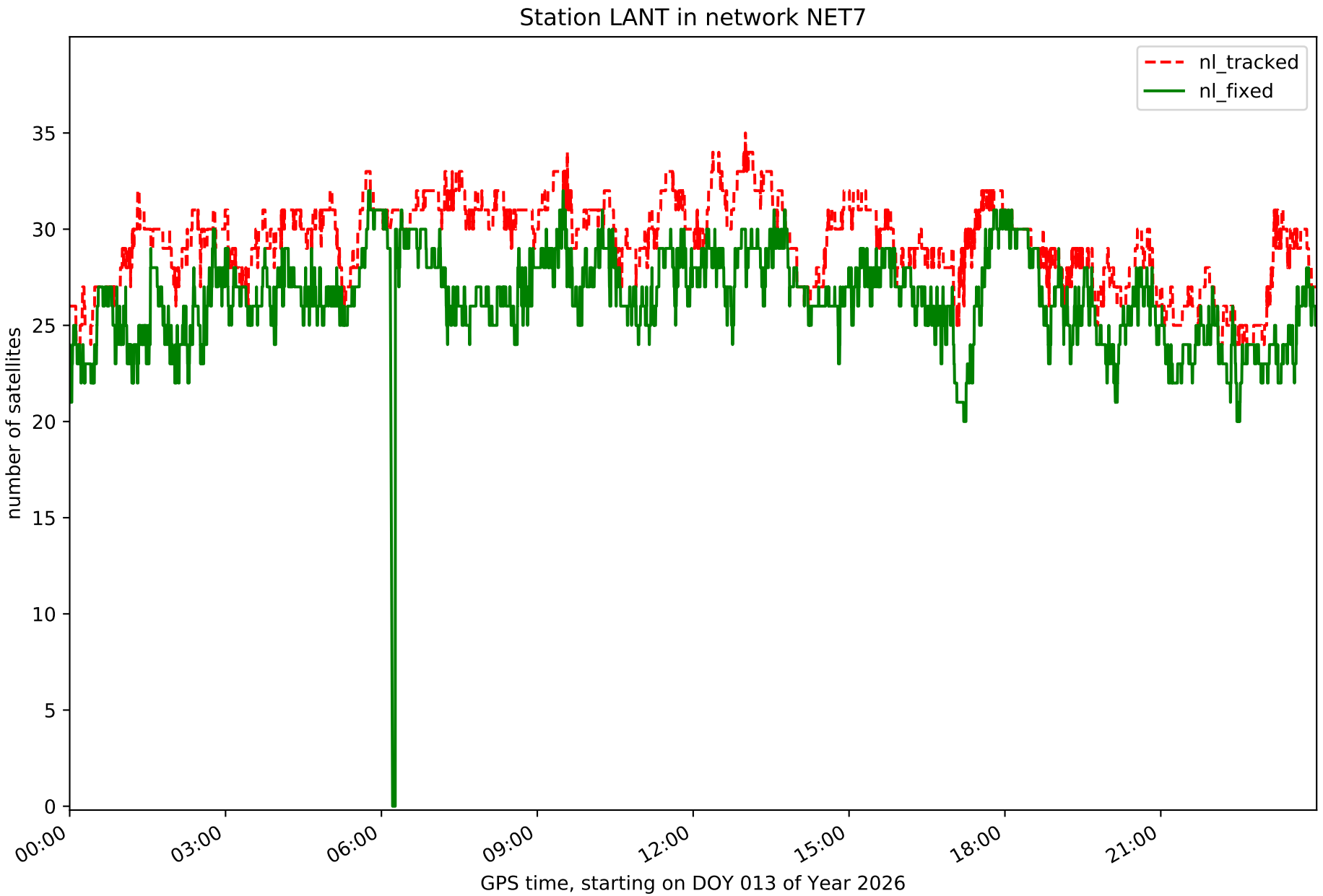

Network NET7 - only Galileo with threshold set to 0.3
number of satellites
GPS time, starting on DOY 013 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
l1_tracked
l1_fixed (95.3 % fixed)
l5_tracked
l5_fixed (95.6 % fixed)
l7_tracked
l7_fixed (95.6 % fixed)

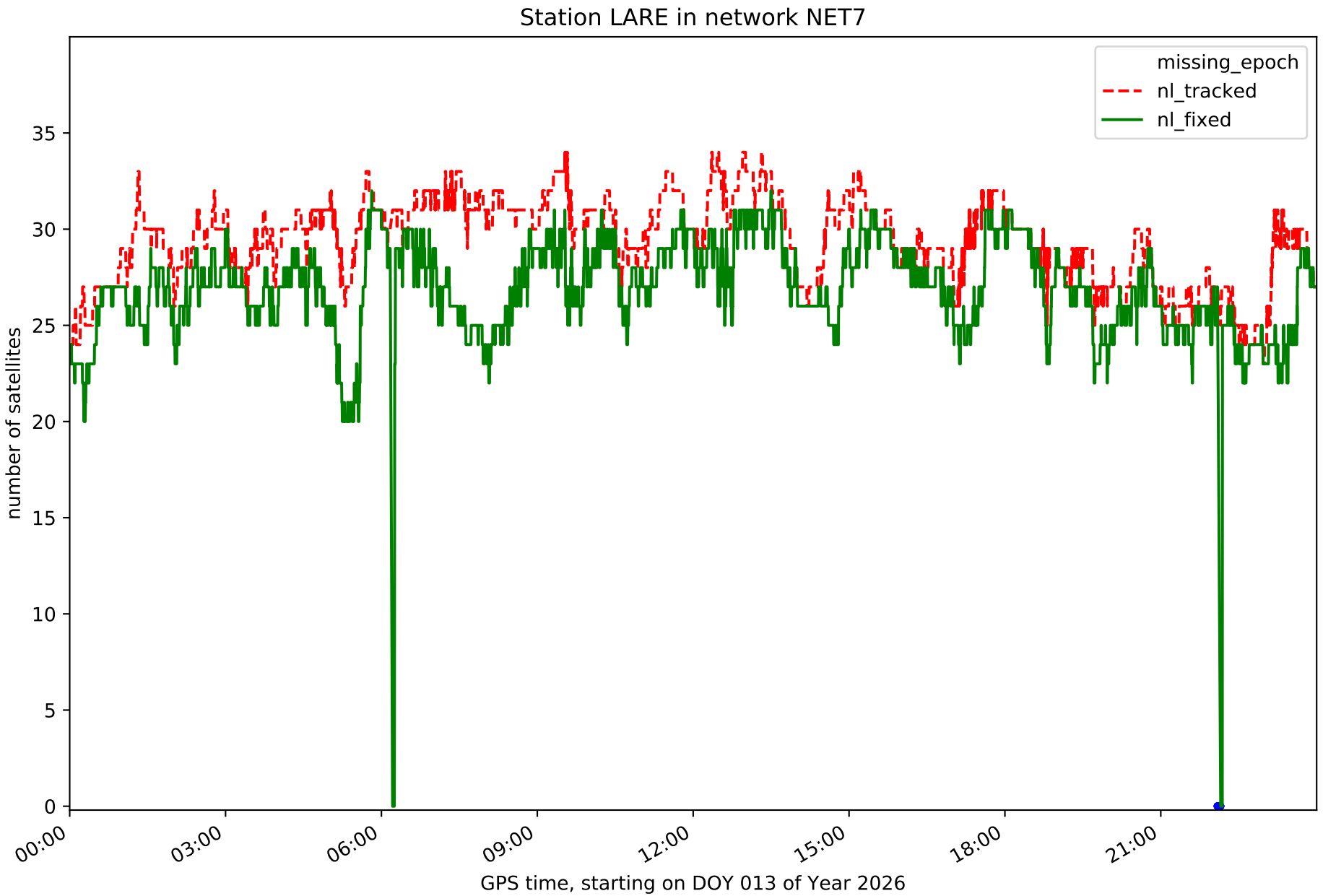

Station AVL1 in network NET7
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 013 of Year 2026

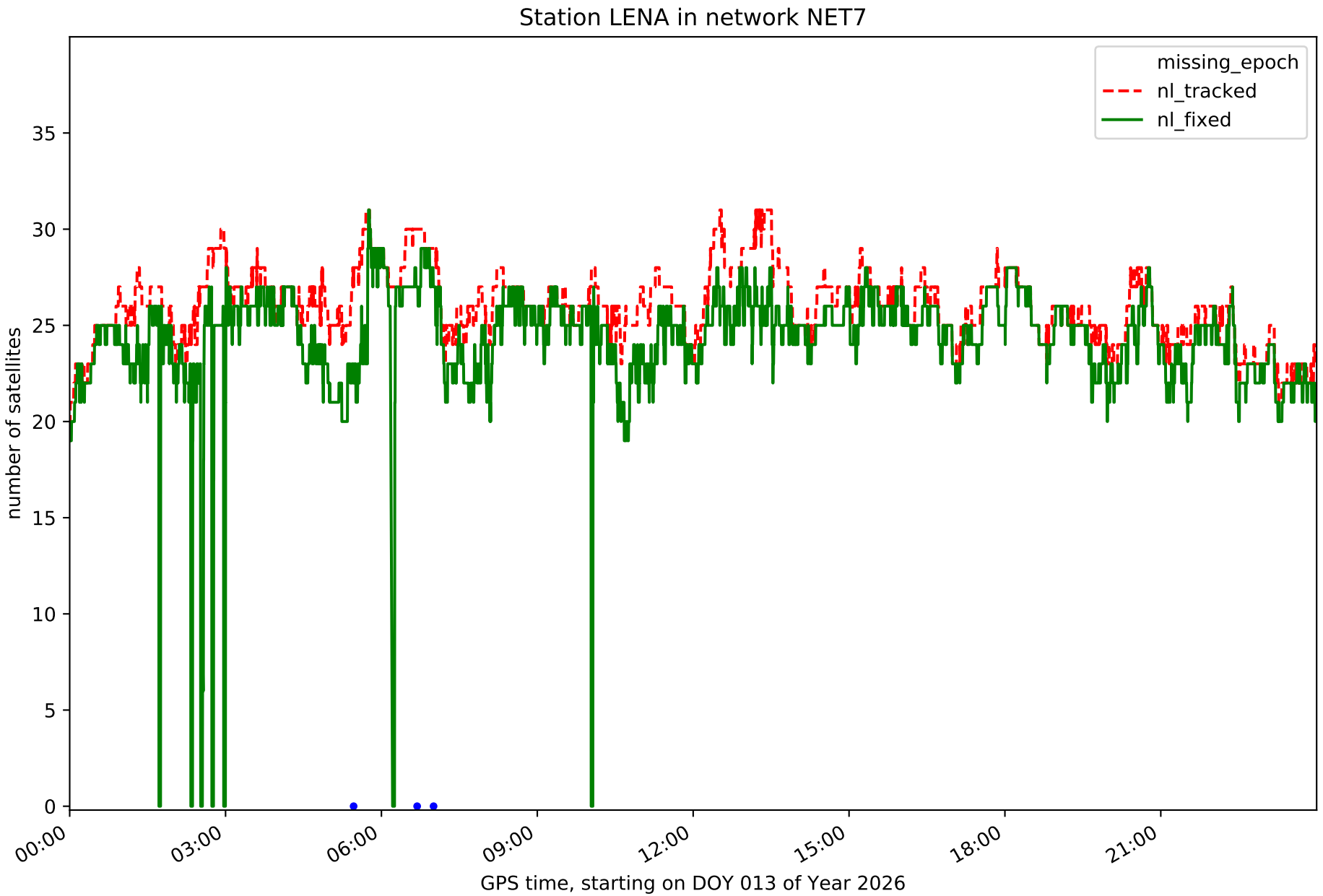

Station CANT in network NET7
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 013 of Year 2026

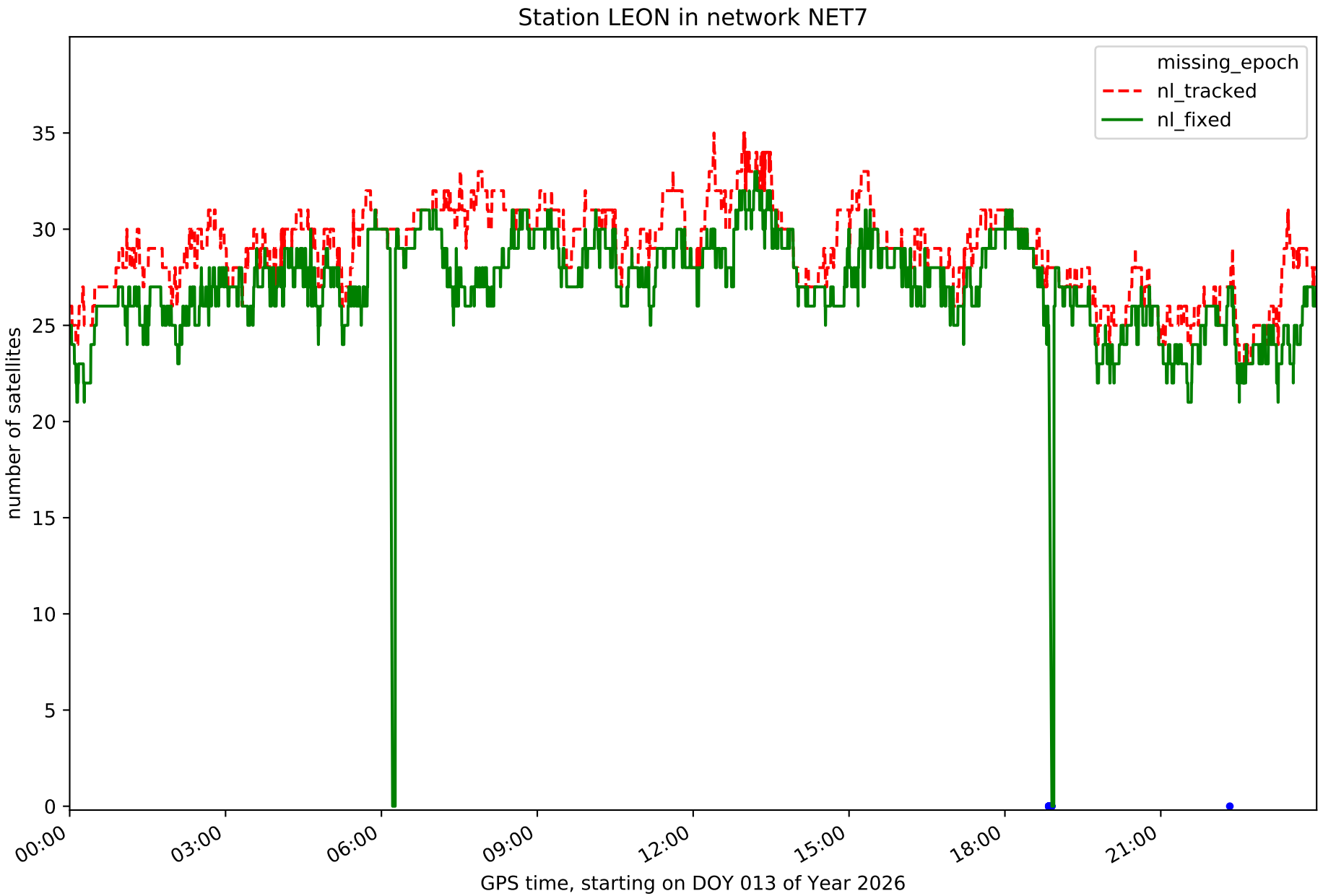

Station CASO in network NET7
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 013 of Year 2026

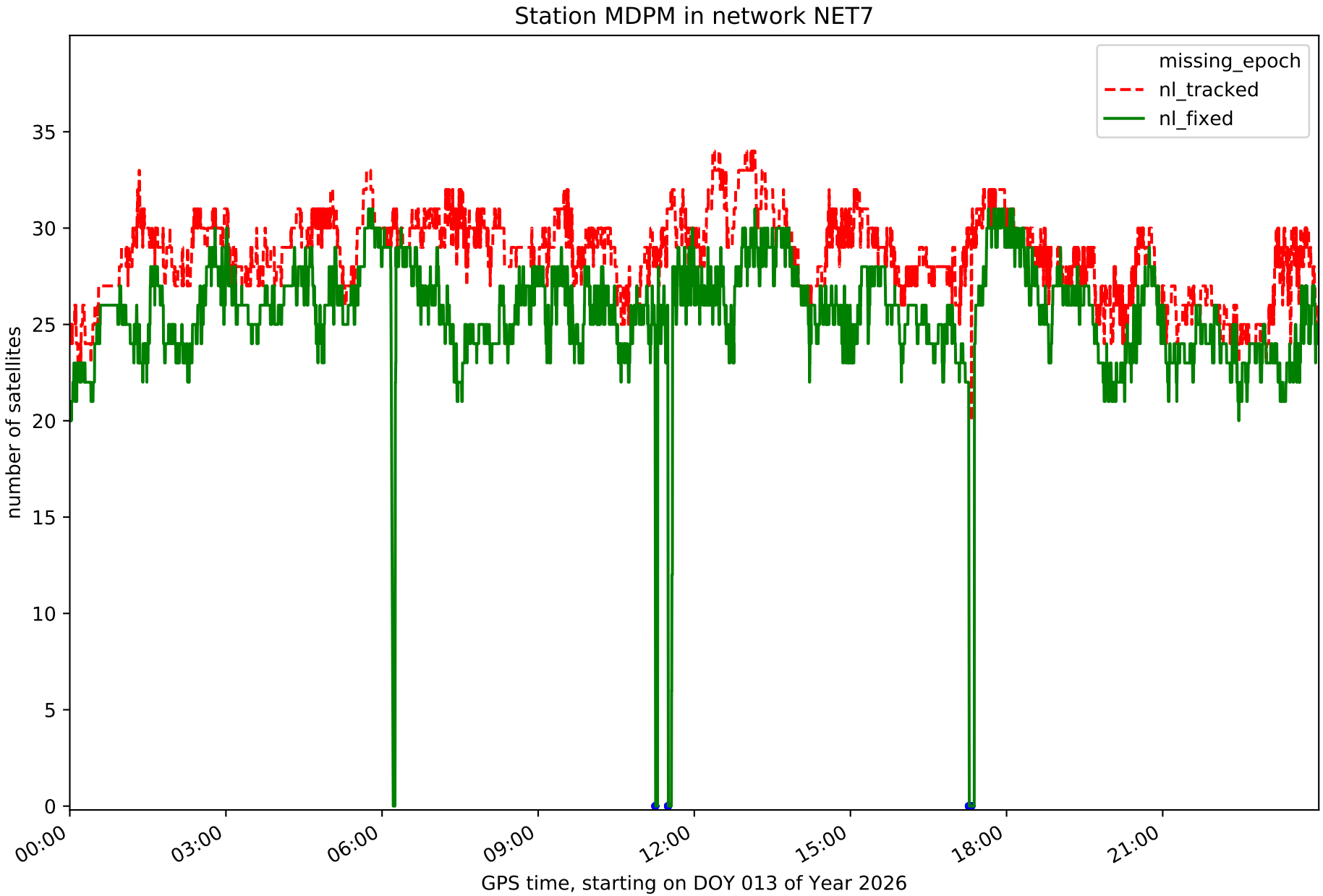

Station FUDE in network NET7
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 013 of Year 2026

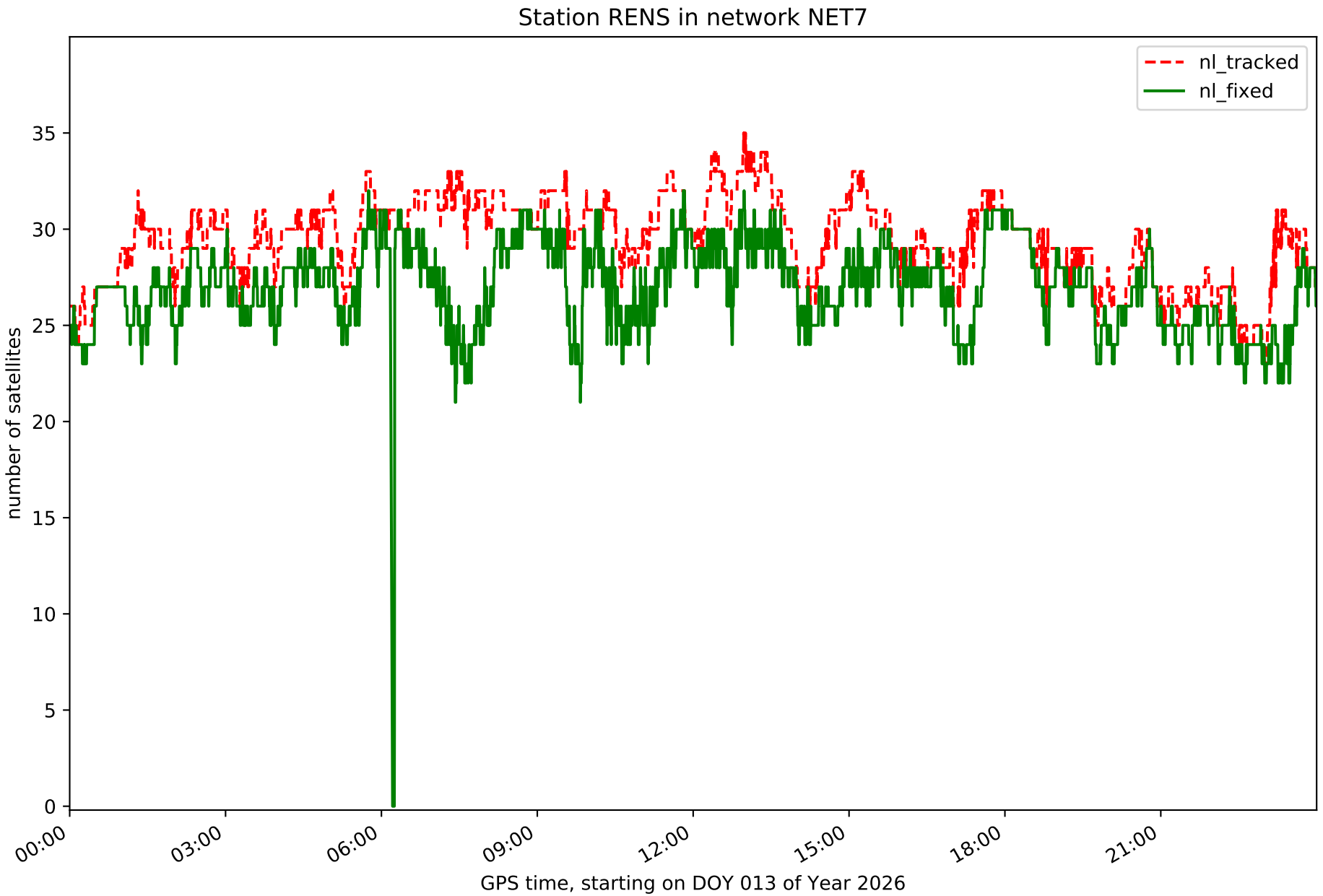

Station LANT in network NET7
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 013 of Year 2026

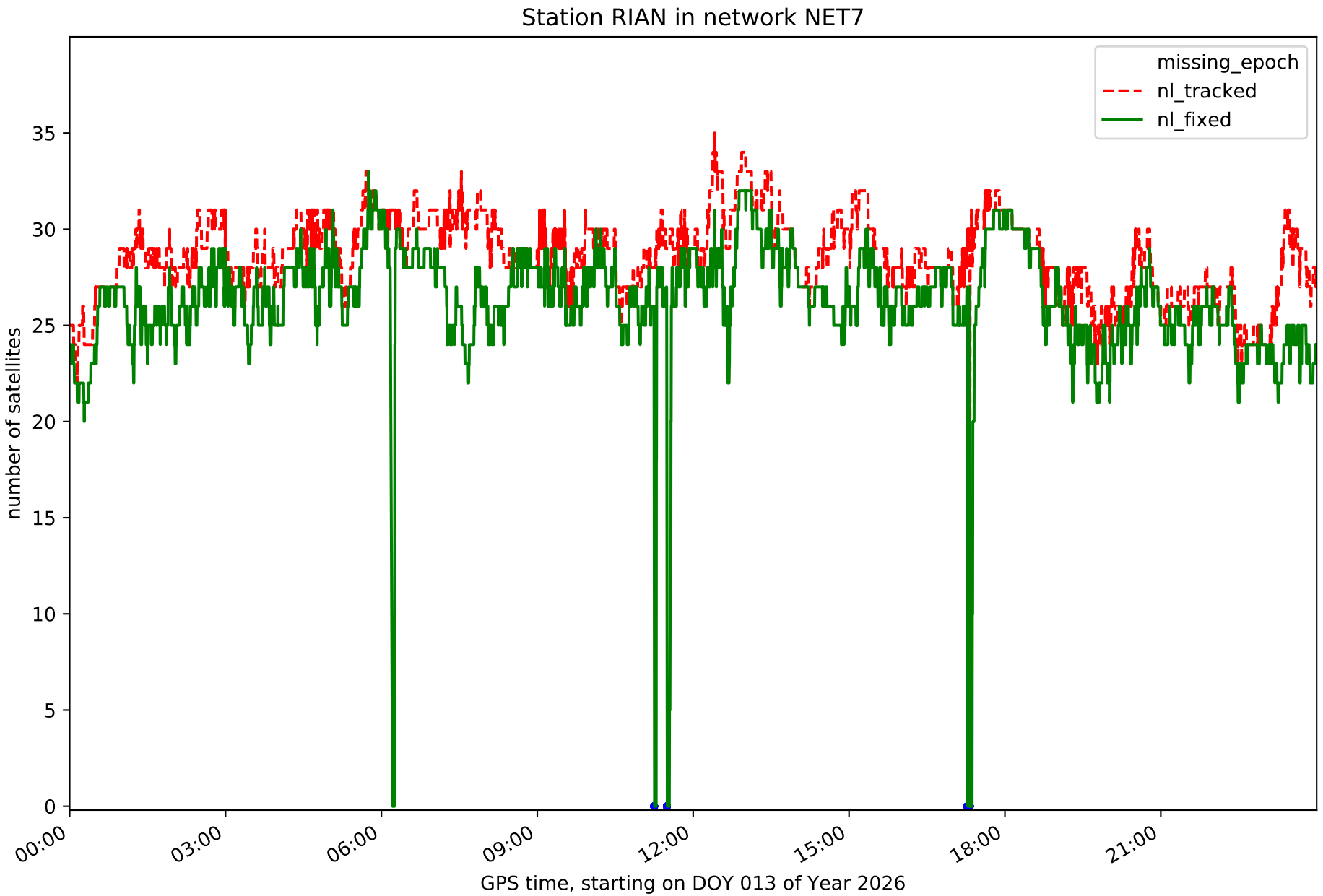

Station LARE in network NET7
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 013 of Year 2026

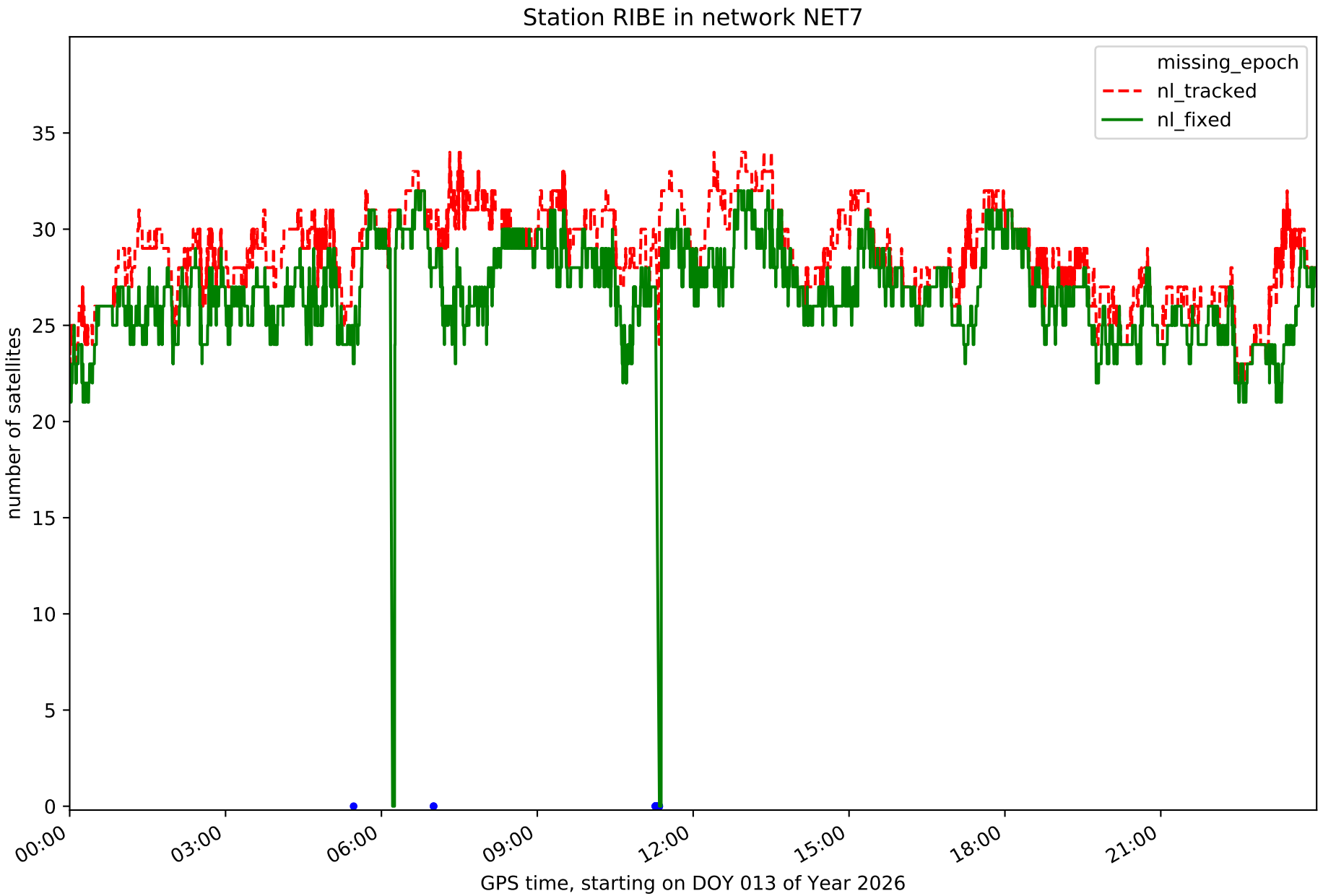

Station LENA in network NET7
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 013 of Year 2026

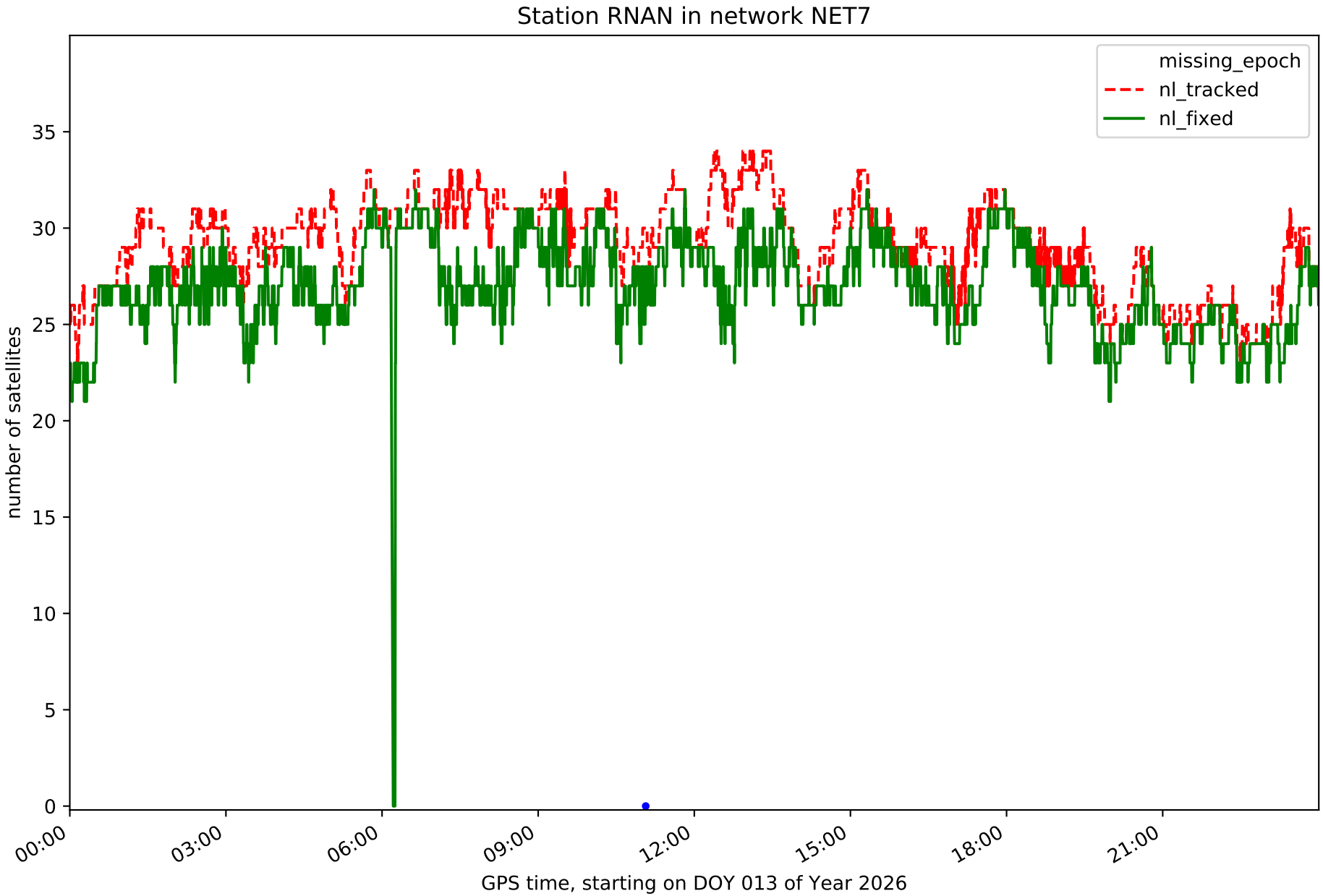

Station LEON in network NET7
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 013 of Year 2026

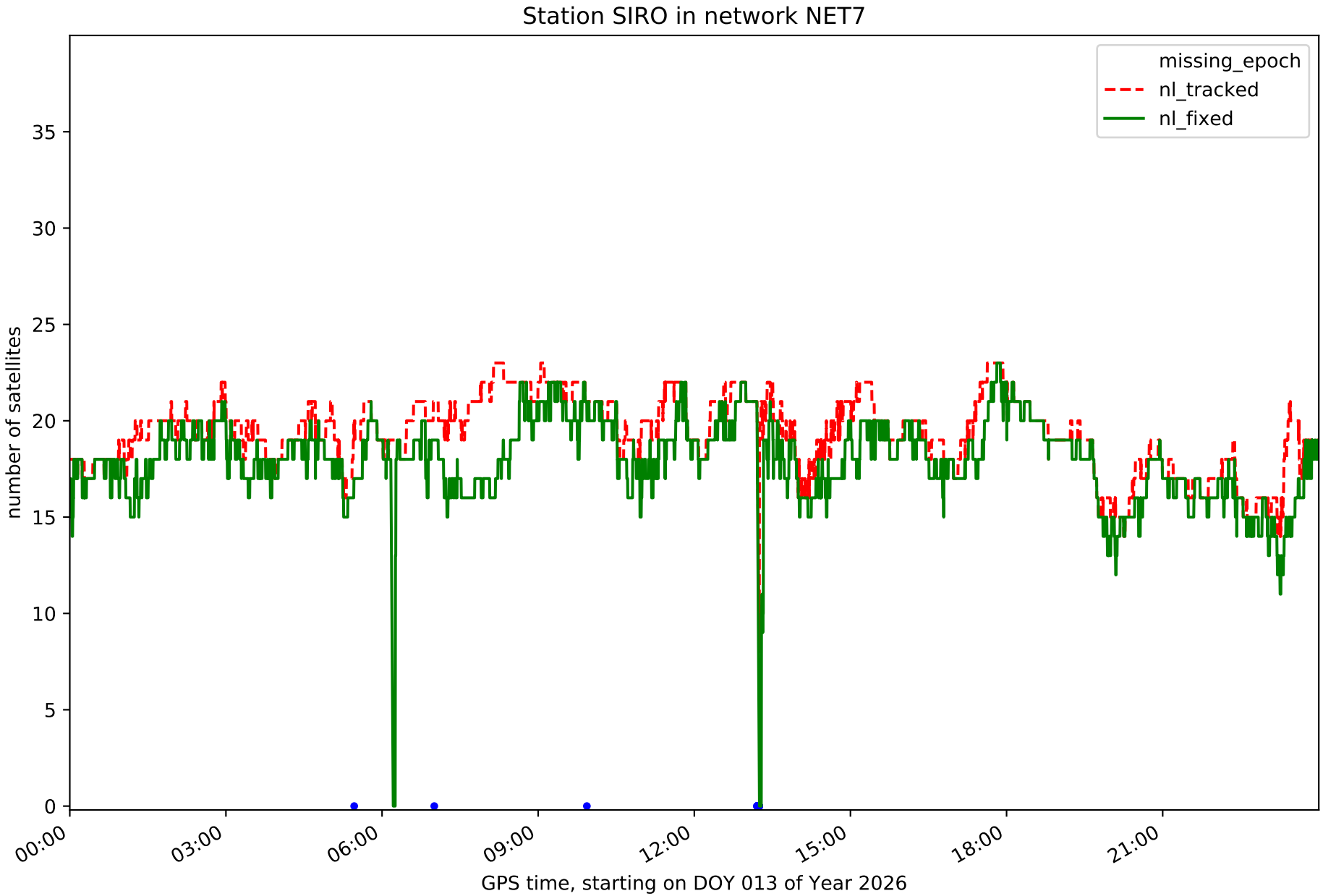

Station MDPM in network NET7
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 013 of Year 2026

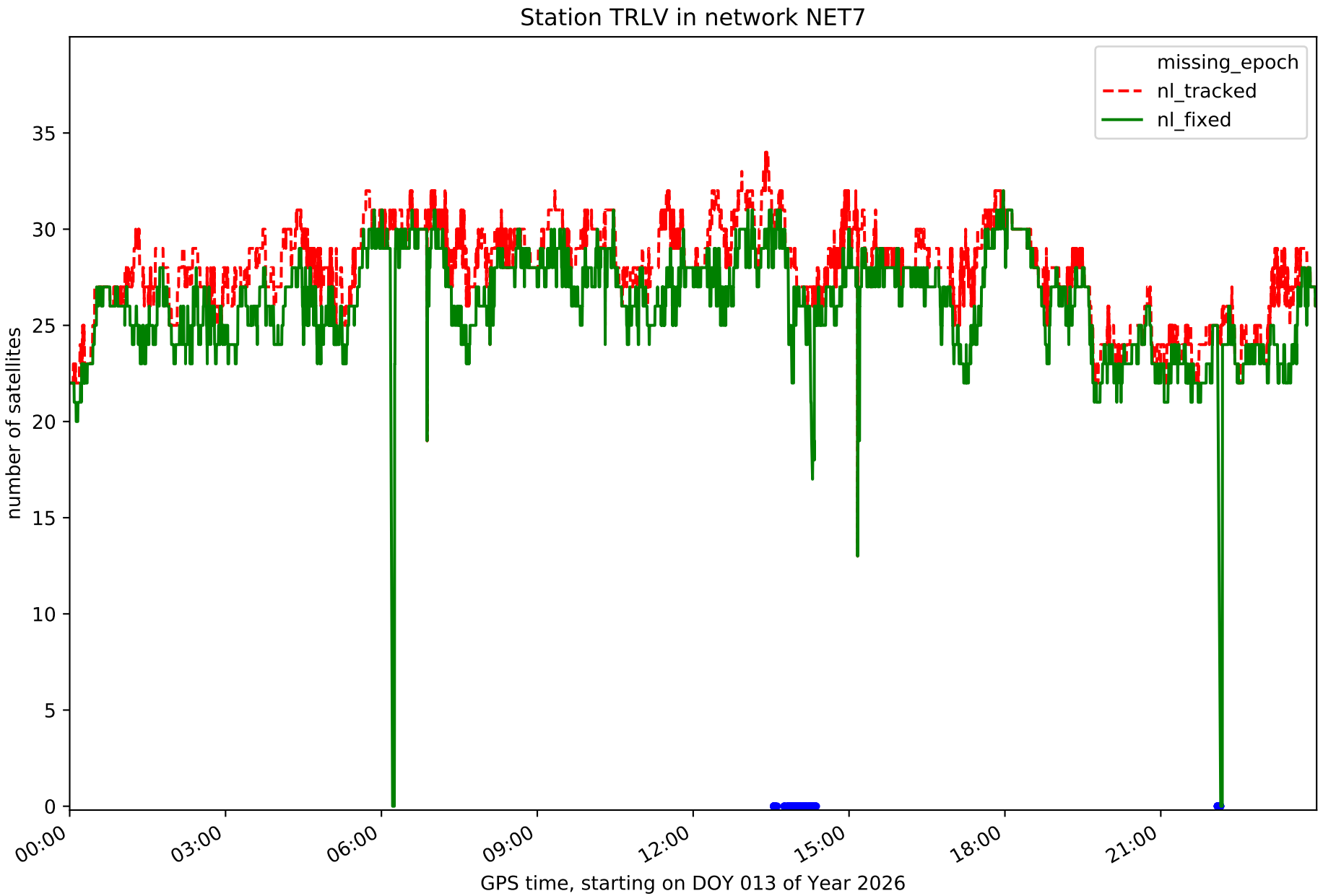

Station RENS in network NET7
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 013 of Year 2026

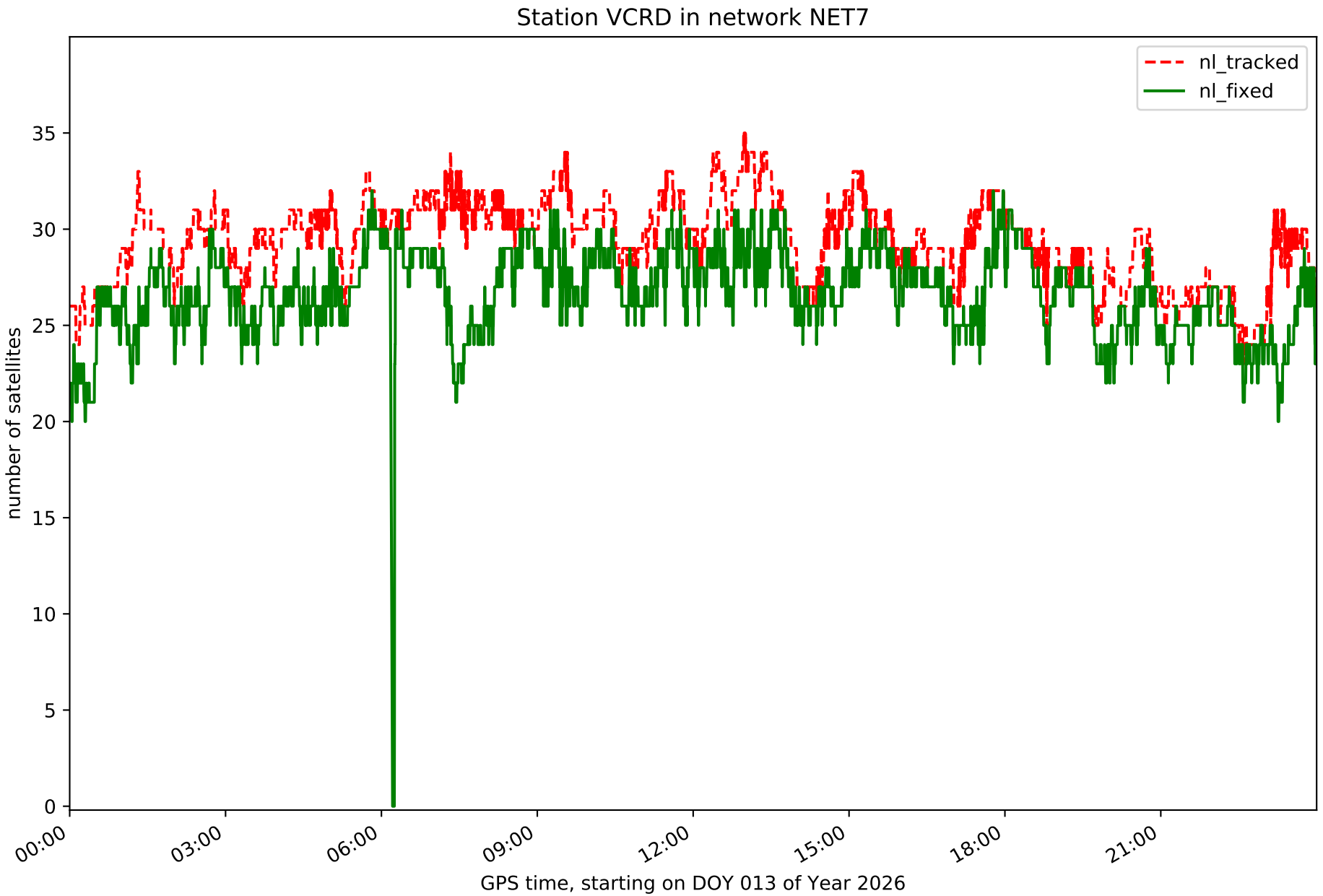

Station RIAN in network NET7
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 013 of Year 2026

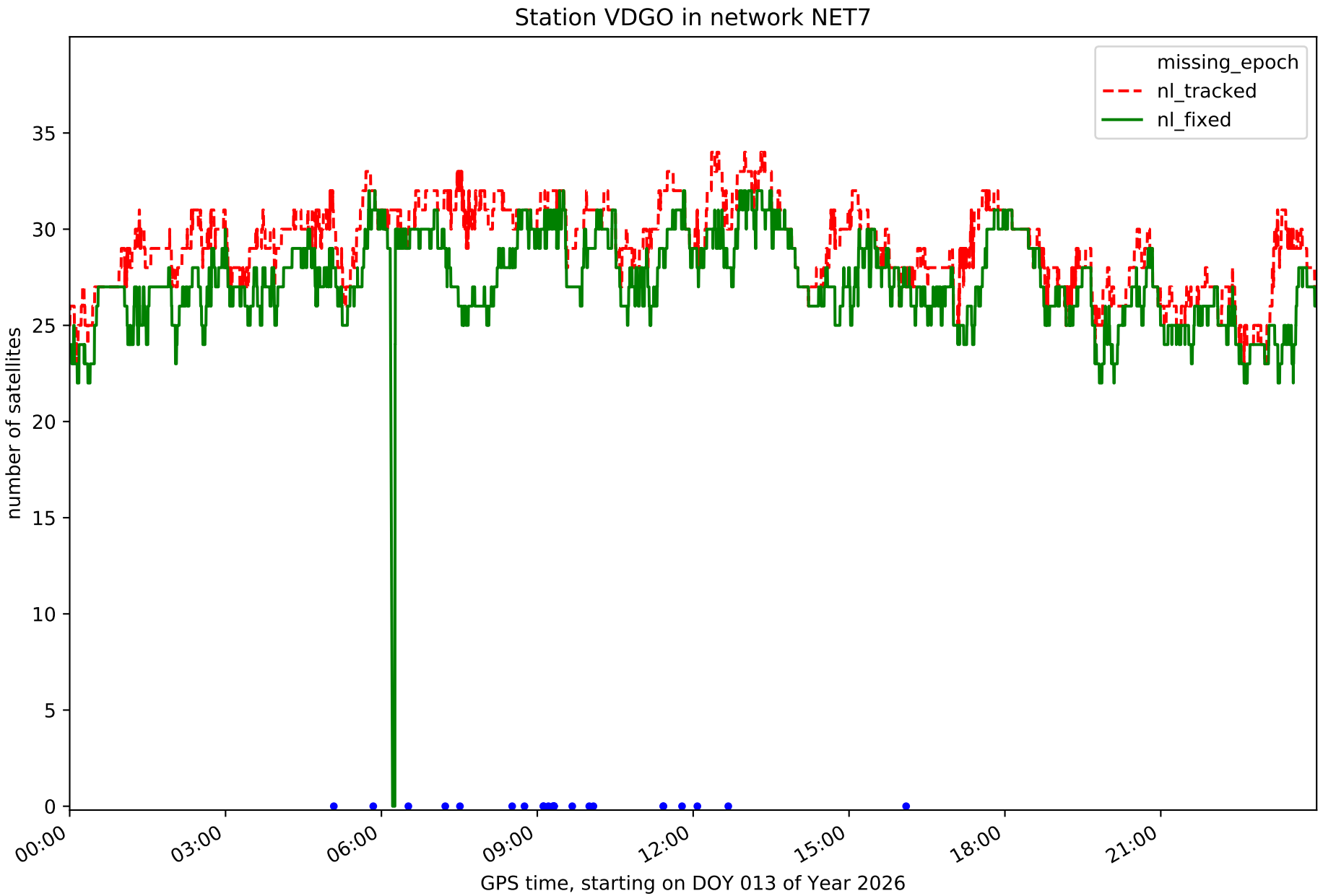

Station RIBE in network NET7
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 013 of Year 2026

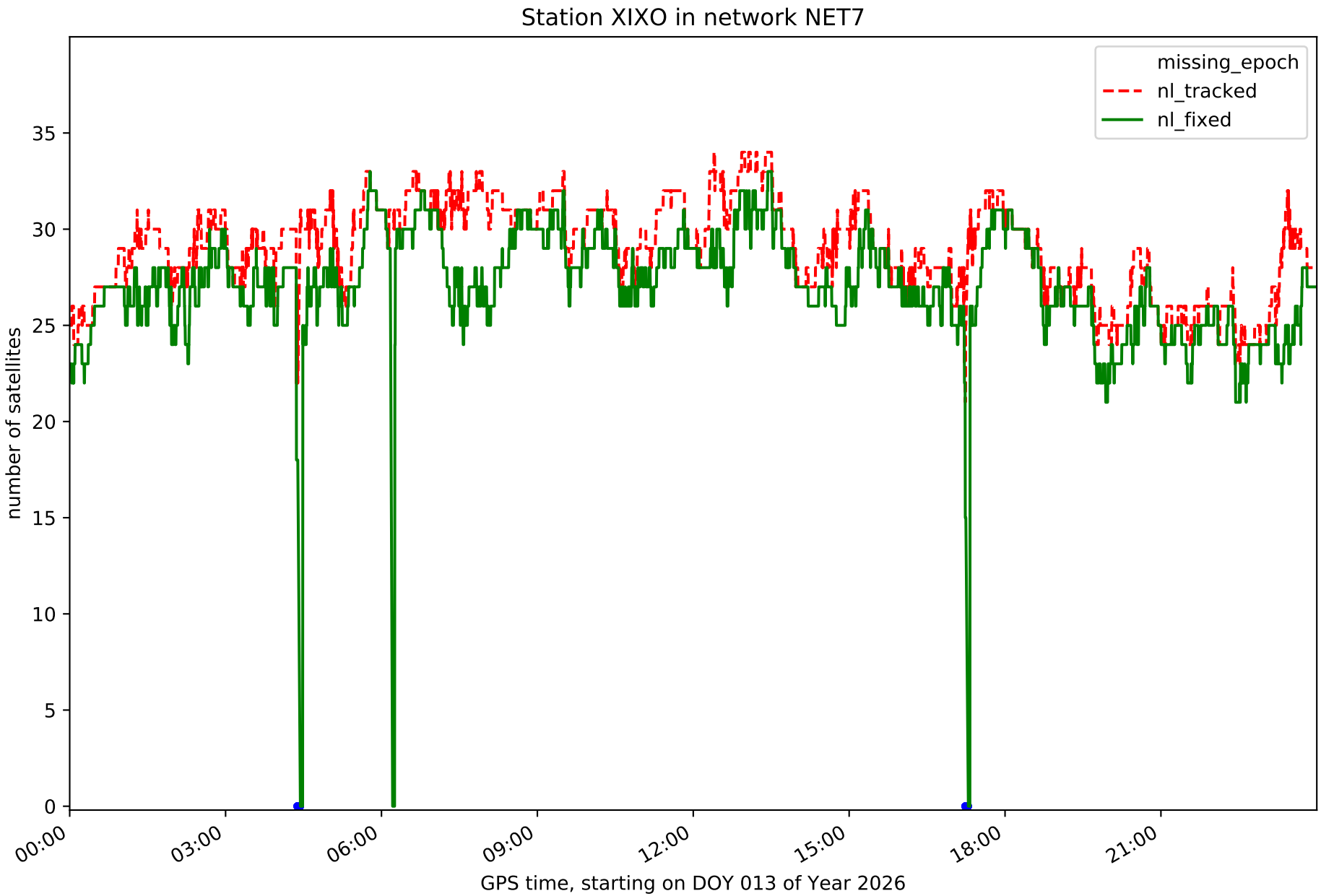

Station RNAN in network NET7
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 013 of Year 2026

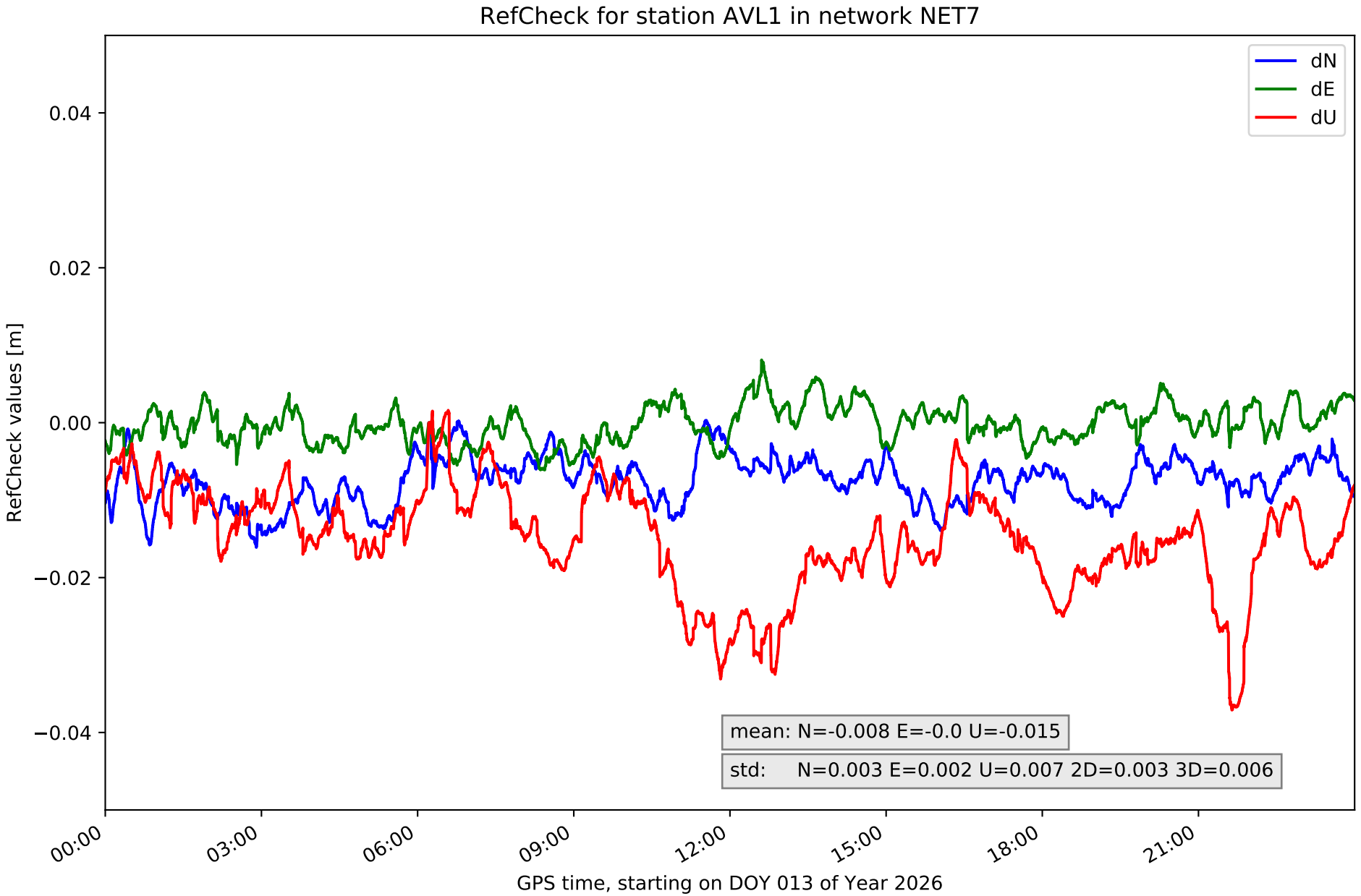

Station SIRO in network NET7
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 013 of Year 2026

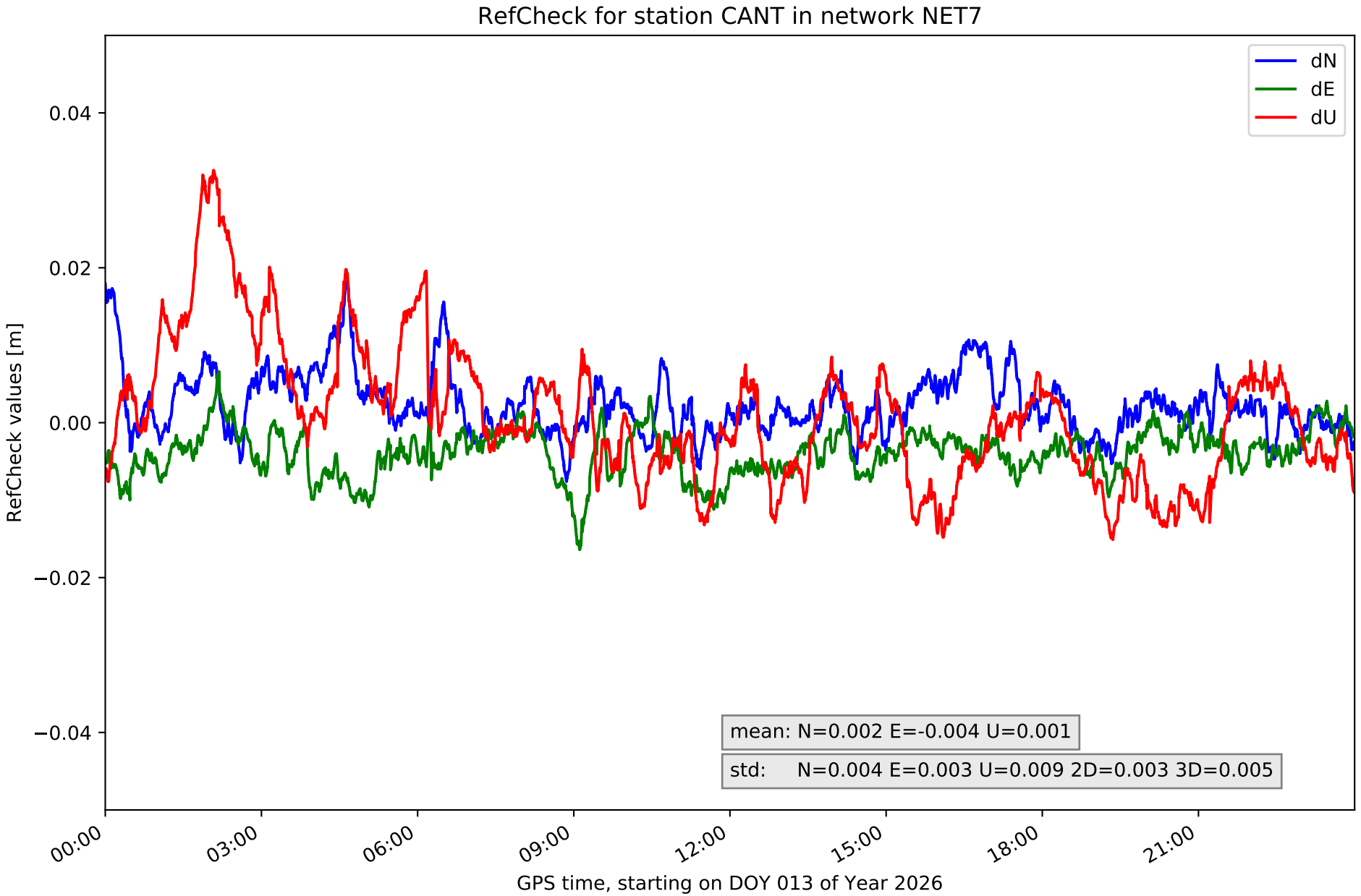

Station TRLV in network NET7
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 013 of Year 2026

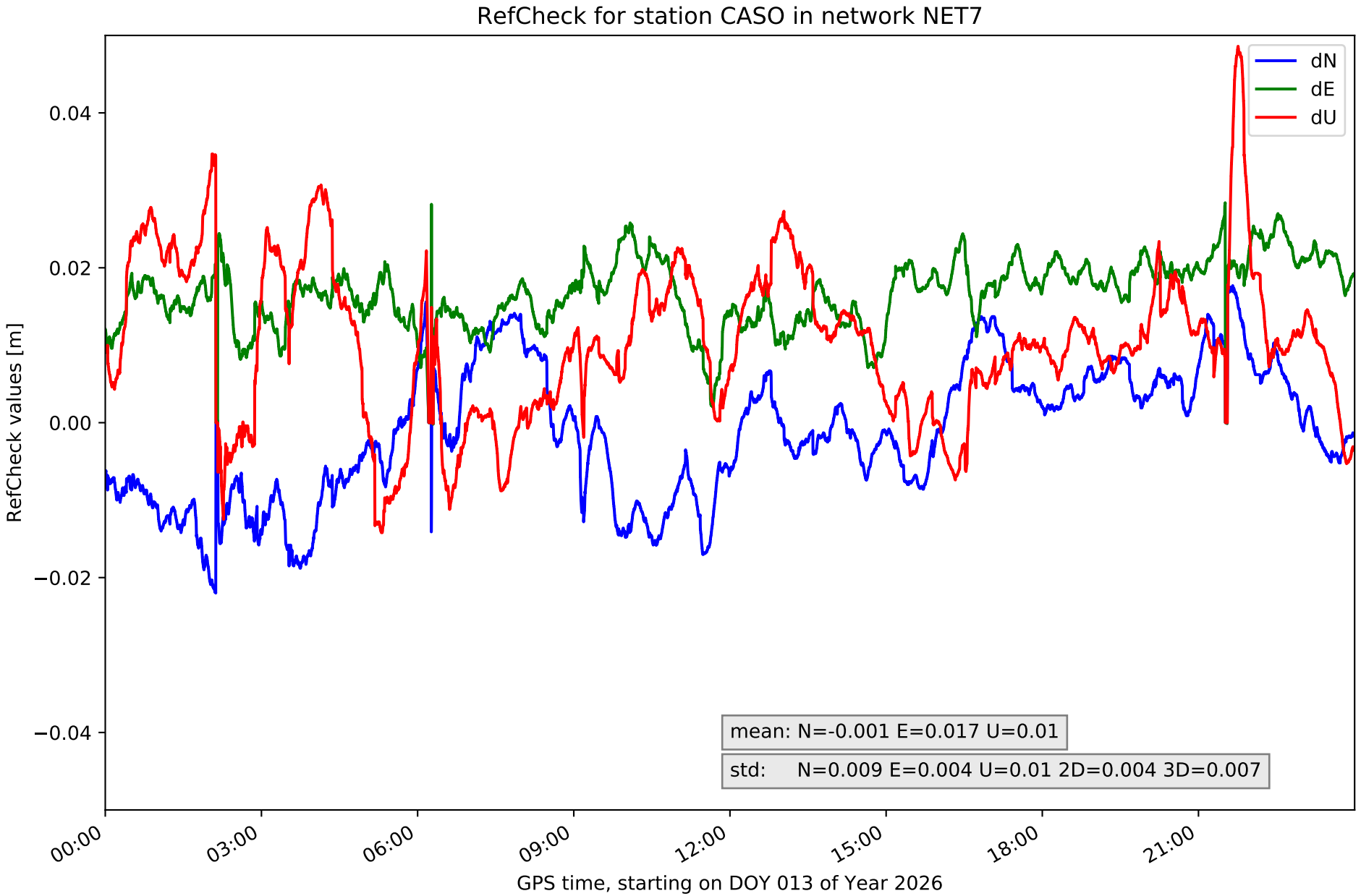

Station VCRD in network NET7
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 013 of Year 2026

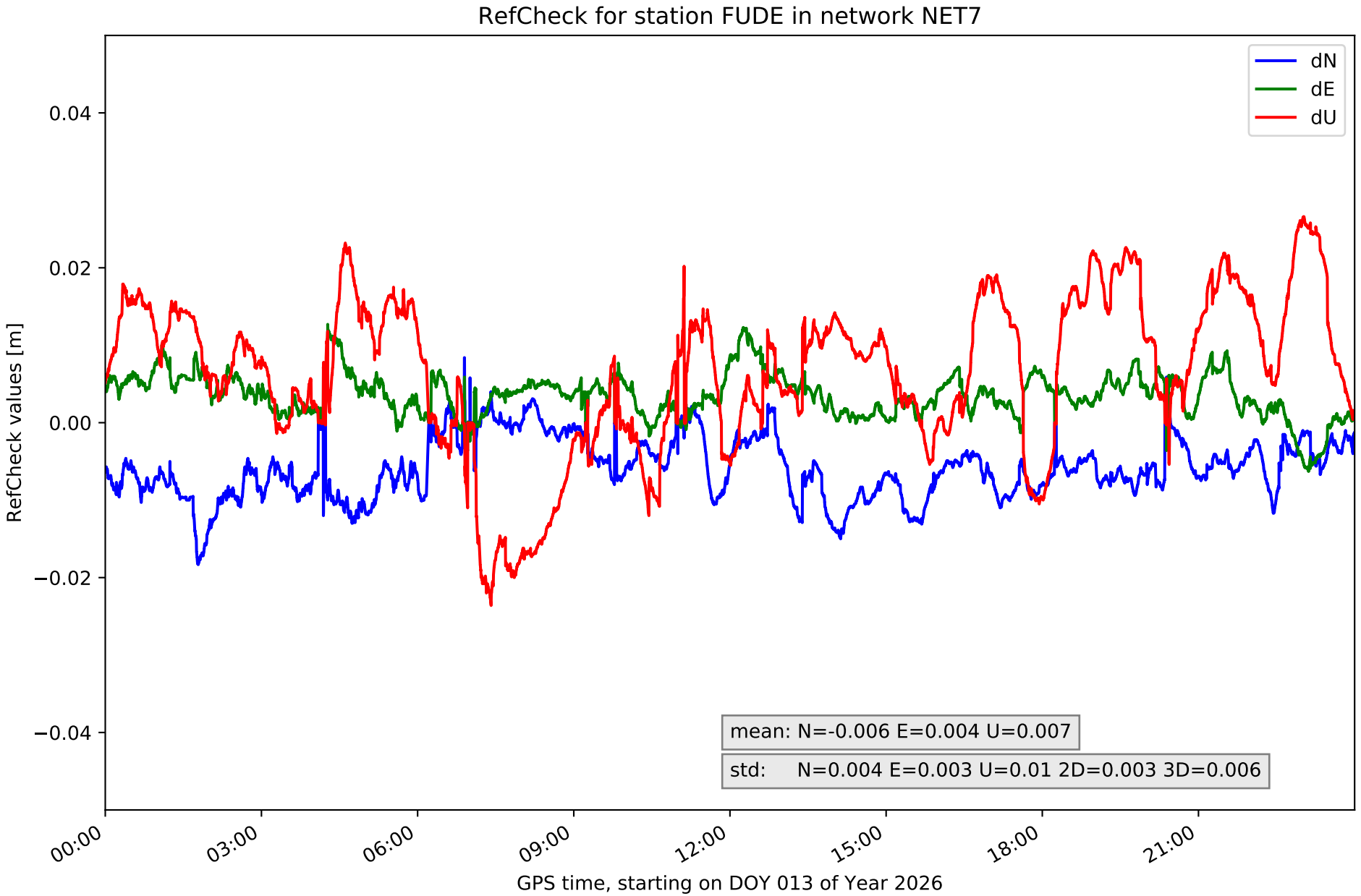

Station VDGO in network NET7
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 013 of Year 2026

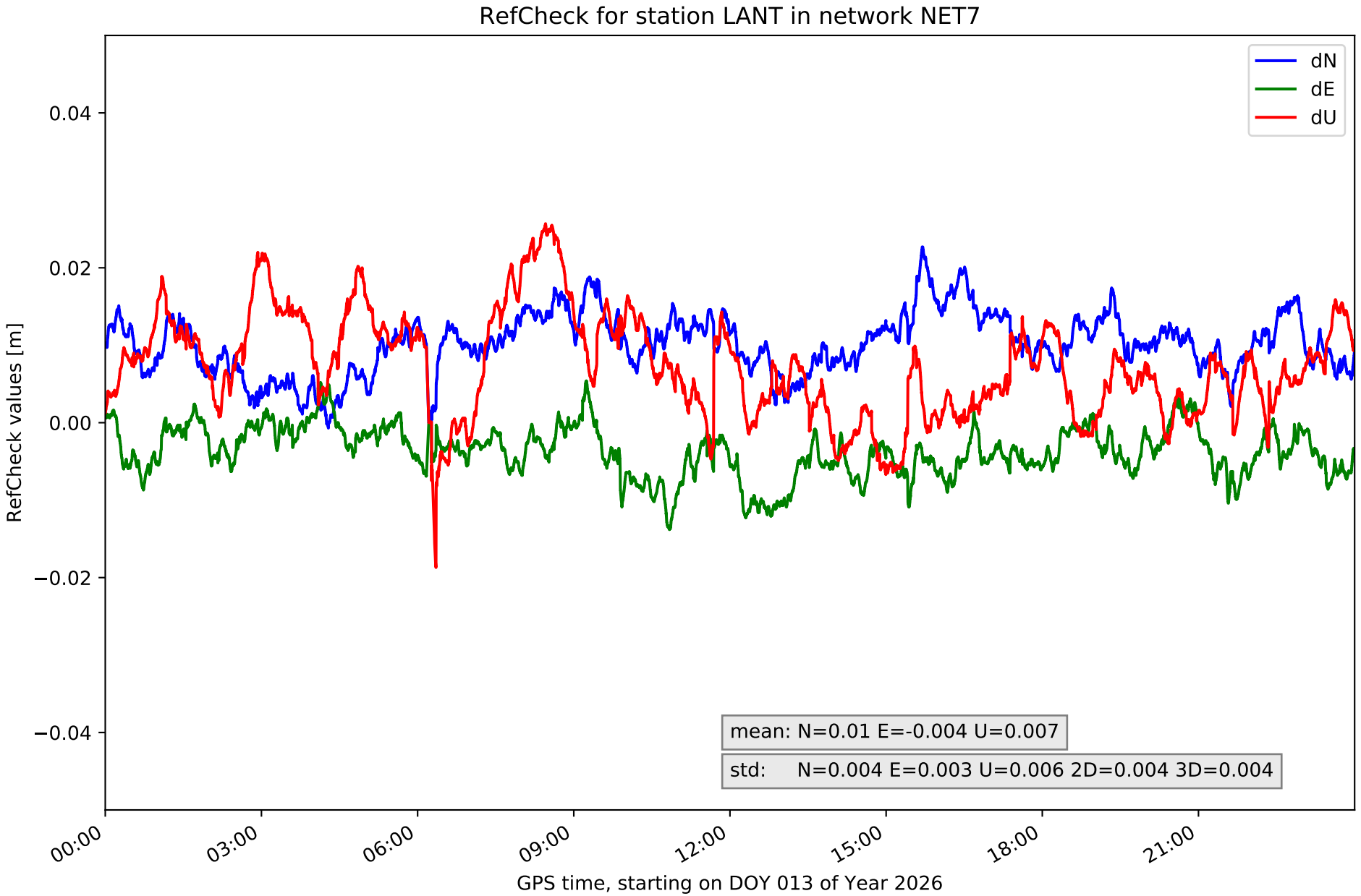

Station XIXO in network NET7
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 013 of Year 2026

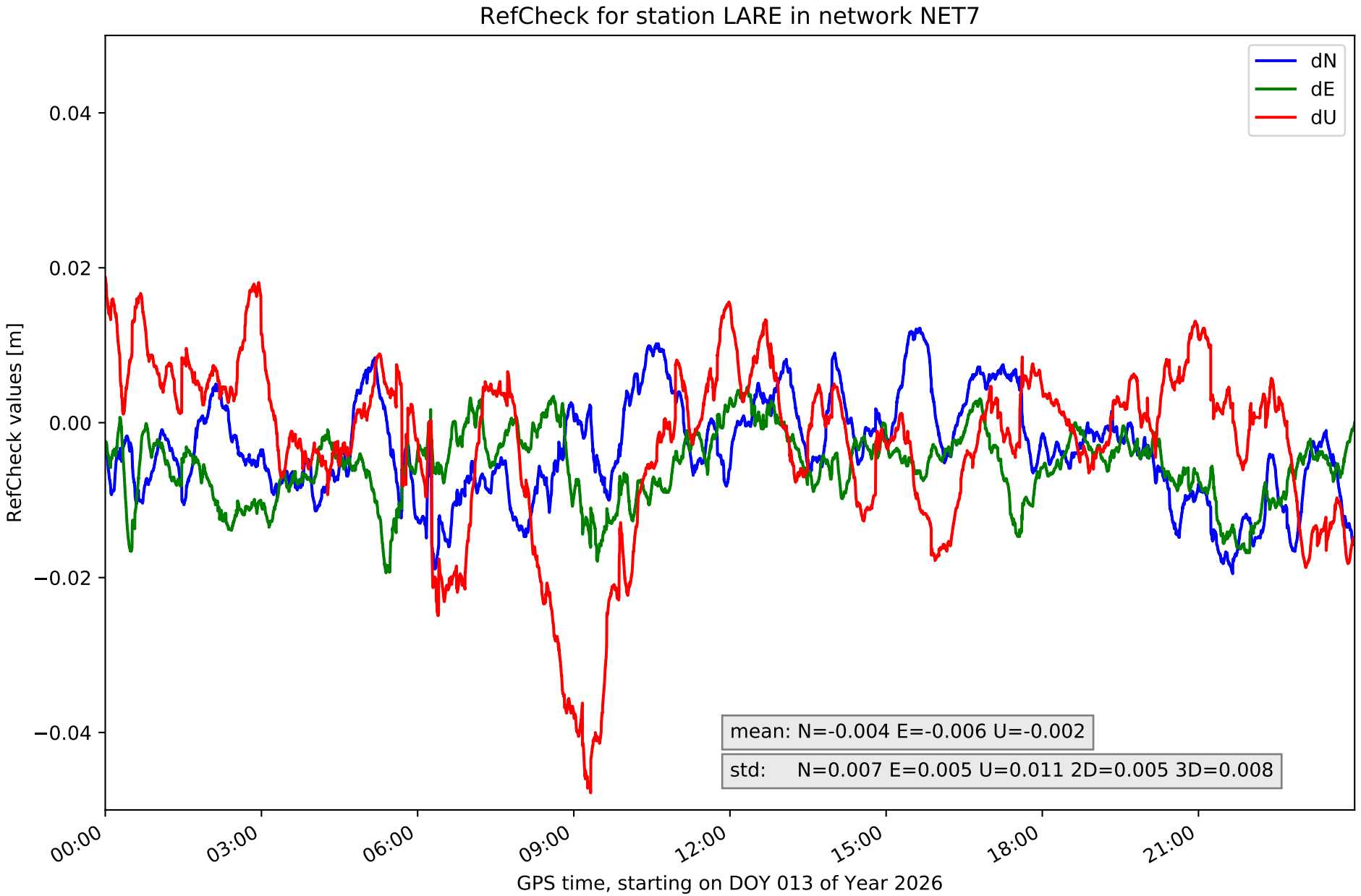

RefCheck for station AVL1 in network NET7
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.008 E=-0.0 U=-0.015
std: N=0.003 E=0.002 U=0.007 2D=0.003 3D=0.006
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 013 of Year 2026

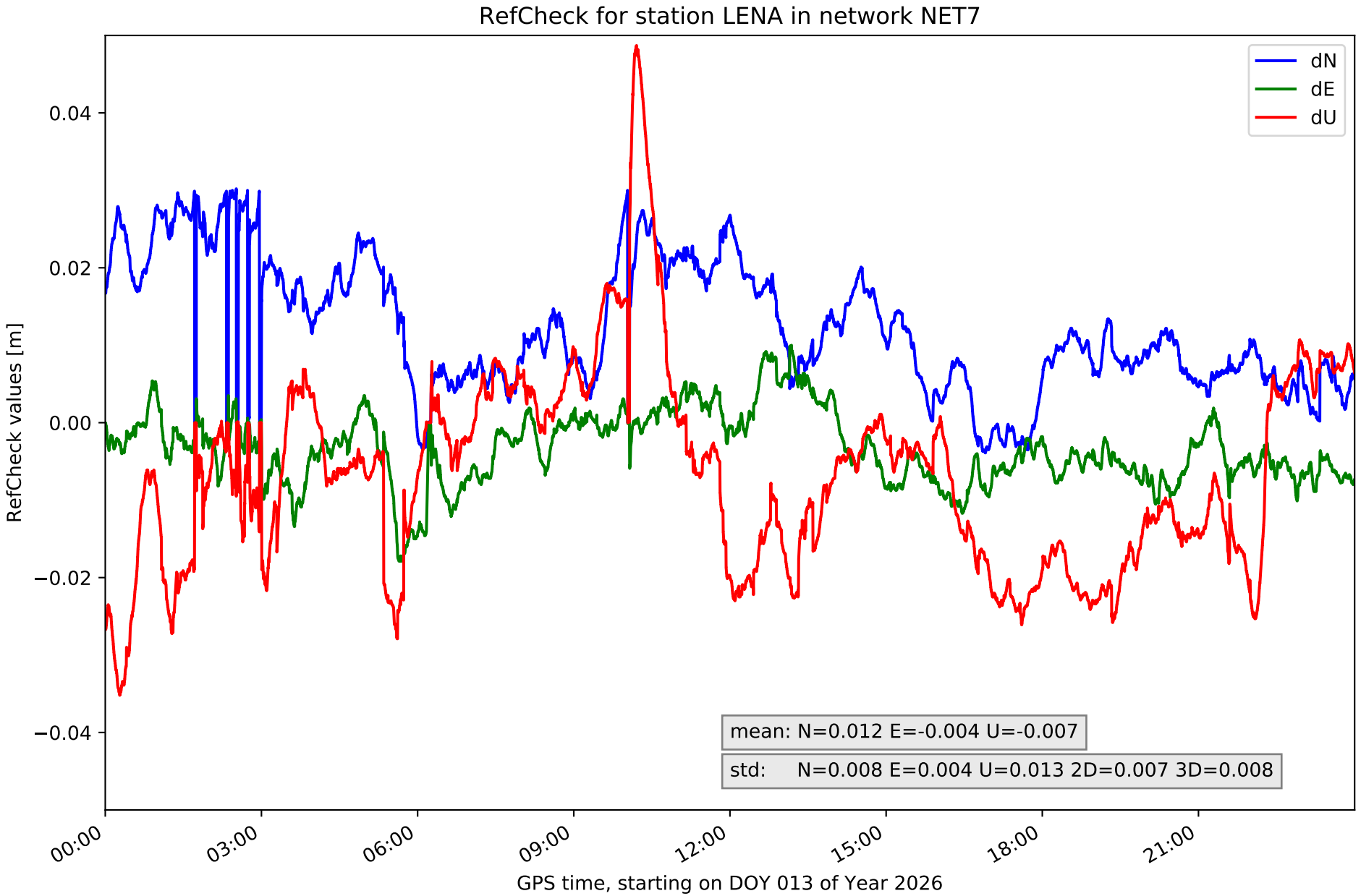

RefCheck for station CANT in network NET7
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=-0.004 U=0.001
std: N=0.004 E=0.003 U=0.009 2D=0.003 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 013 of Year 2026

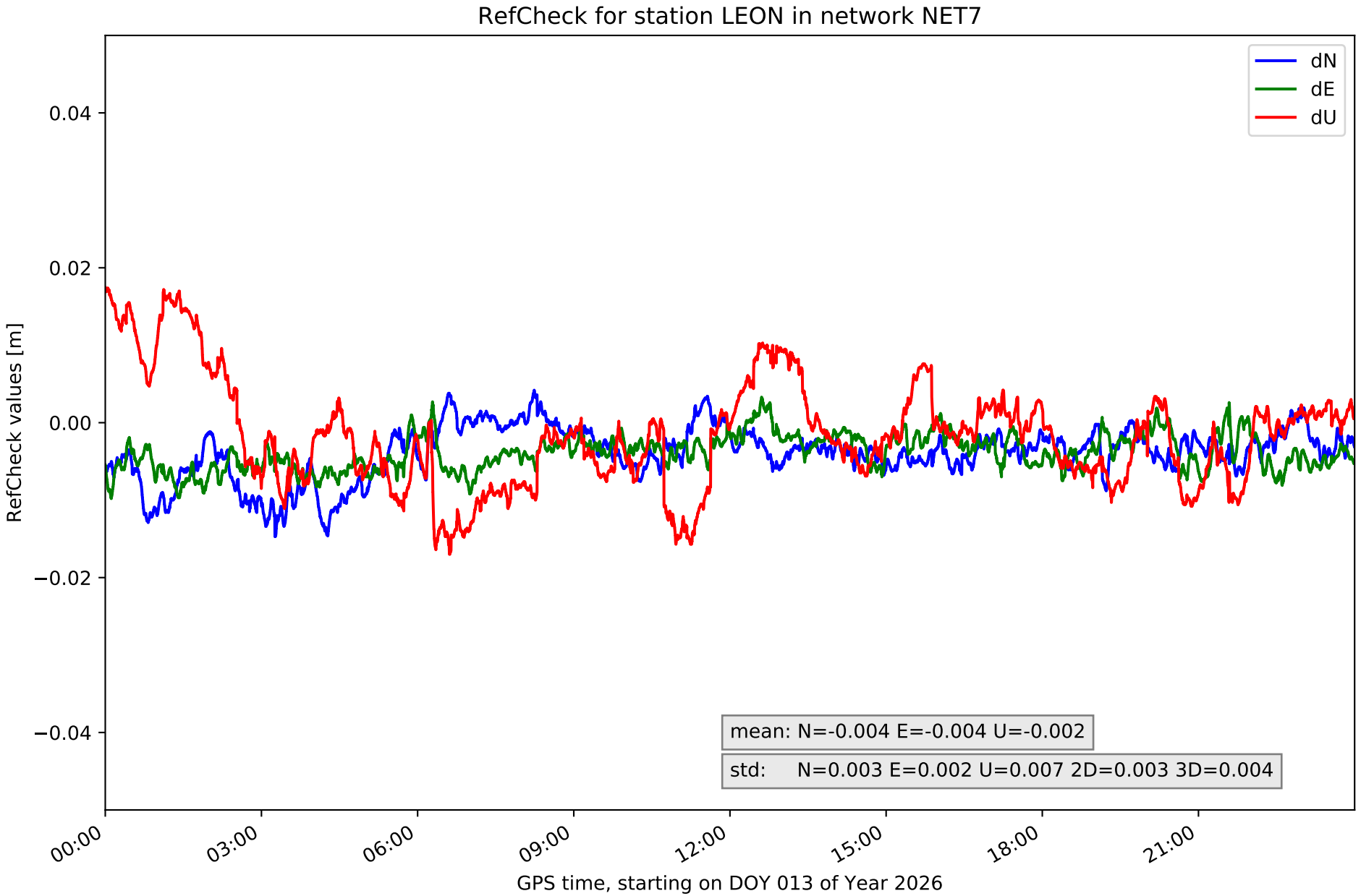

RefCheck for station CASO in network NET7
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.001 E=0.017 U=0.01
std: N=0.009 E=0.004 U=0.01 2D=0.004 3D=0.007
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 013 of Year 2026

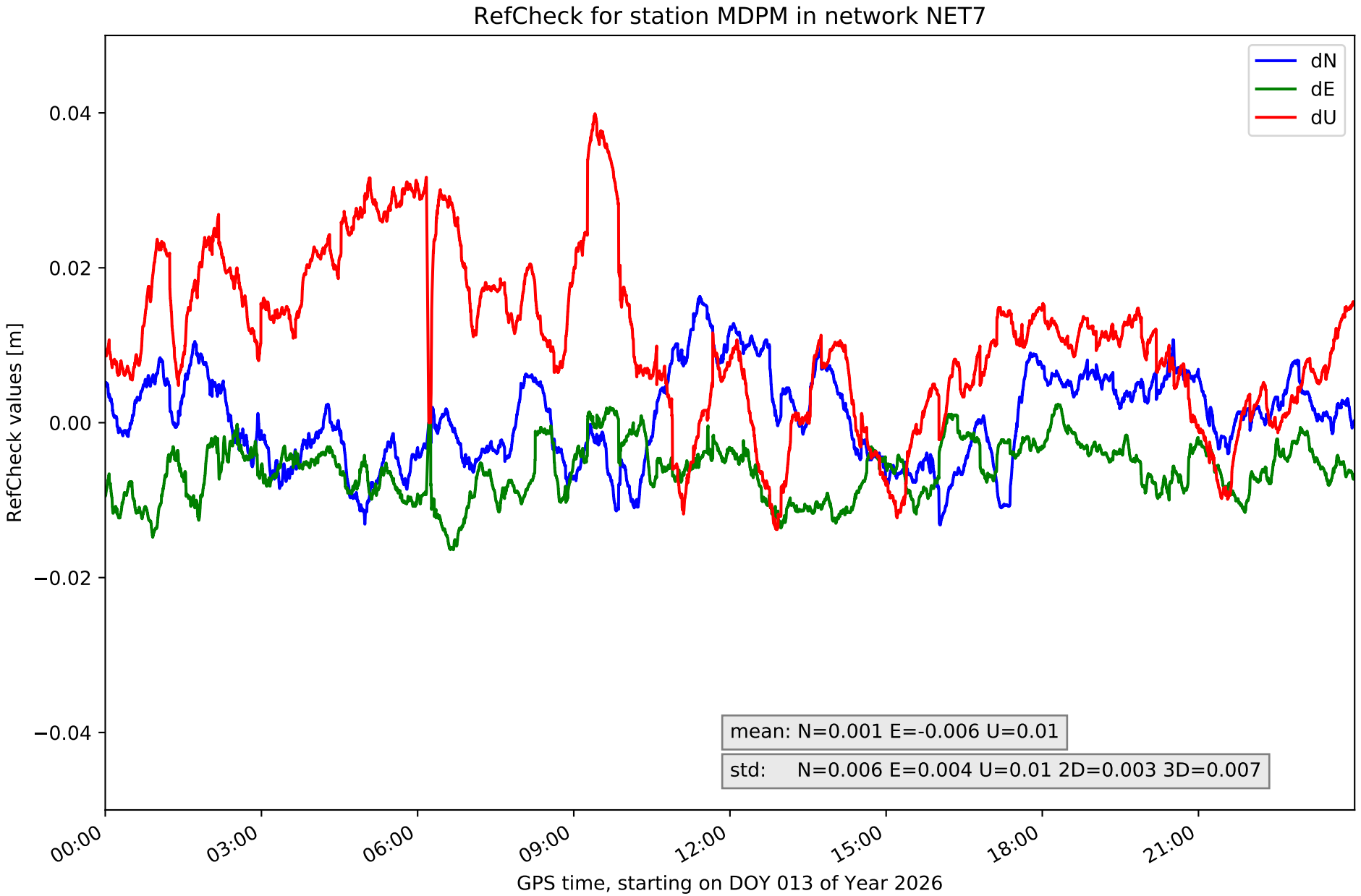

RefCheck for station FUDE in network NET7
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.006 E=0.004 U=0.007
std: N=0.004 E=0.003 U=0.01 2D=0.003 3D=0.006
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 013 of Year 2026

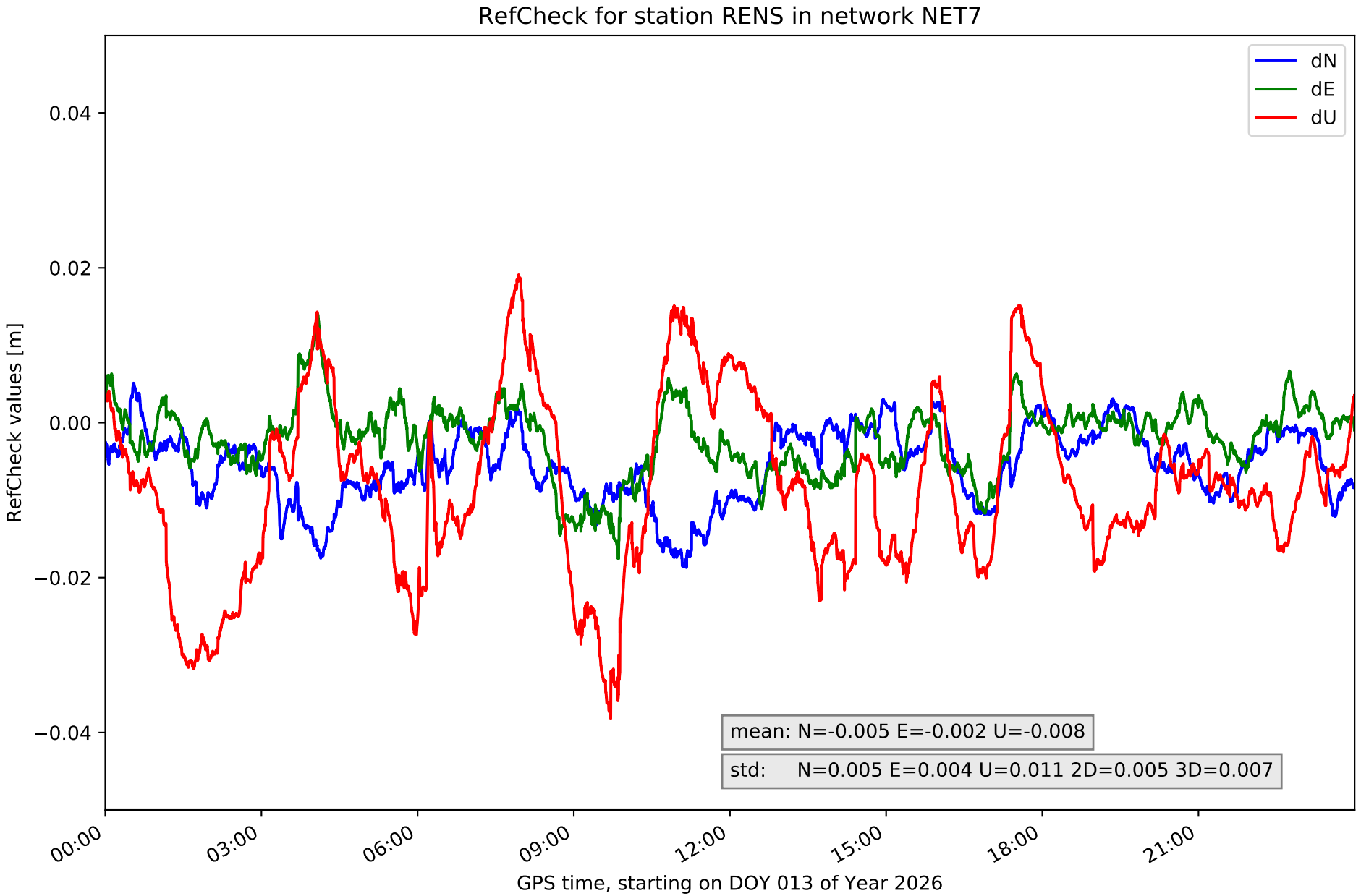

RefCheck for station LANT in network NET7
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.01 E=-0.004 U=0.007
std: N=0.004 E=0.003 U=0.006 2D=0.004 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 013 of Year 2026

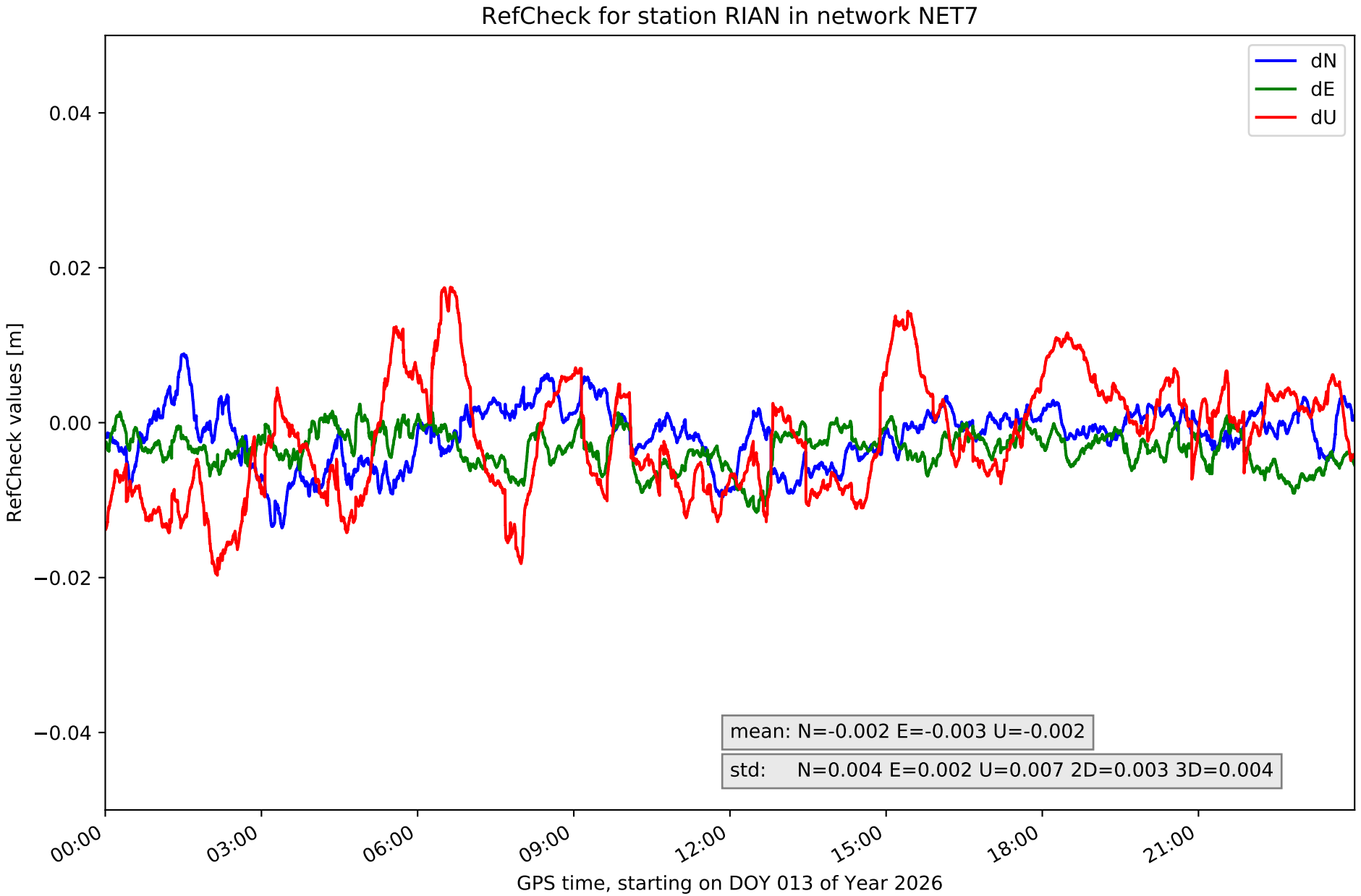

RefCheck for station LARE in network NET7
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.004 E=-0.006 U=-0.002
std: N=0.007 E=0.005 U=0.011 2D=0.005 3D=0.008
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 013 of Year 2026

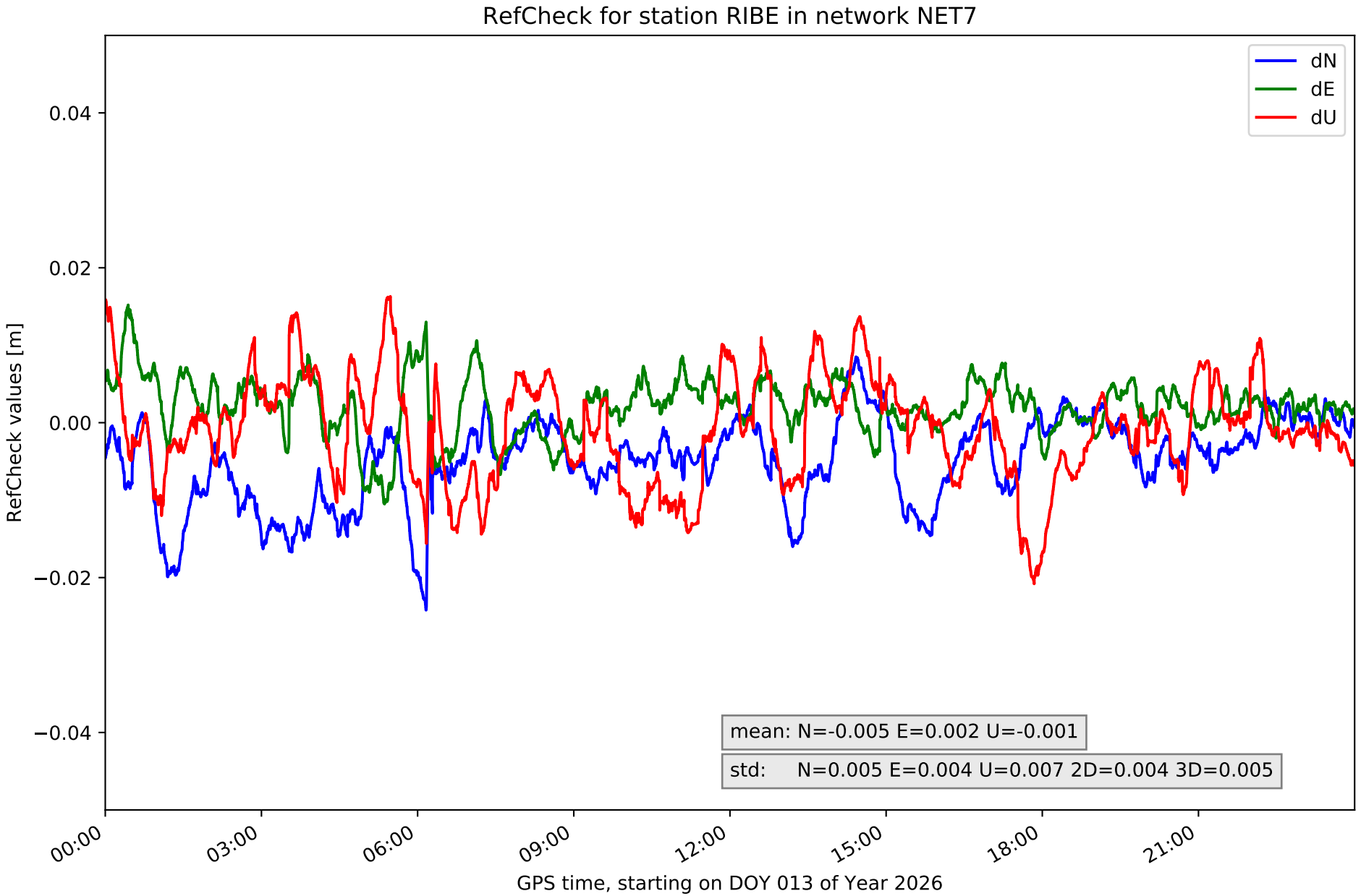

RefCheck for station LENA in network NET7
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.012 E=-0.004 U=-0.007
std: N=0.008 E=0.004 U=0.013 2D=0.007 3D=0.008
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 013 of Year 2026

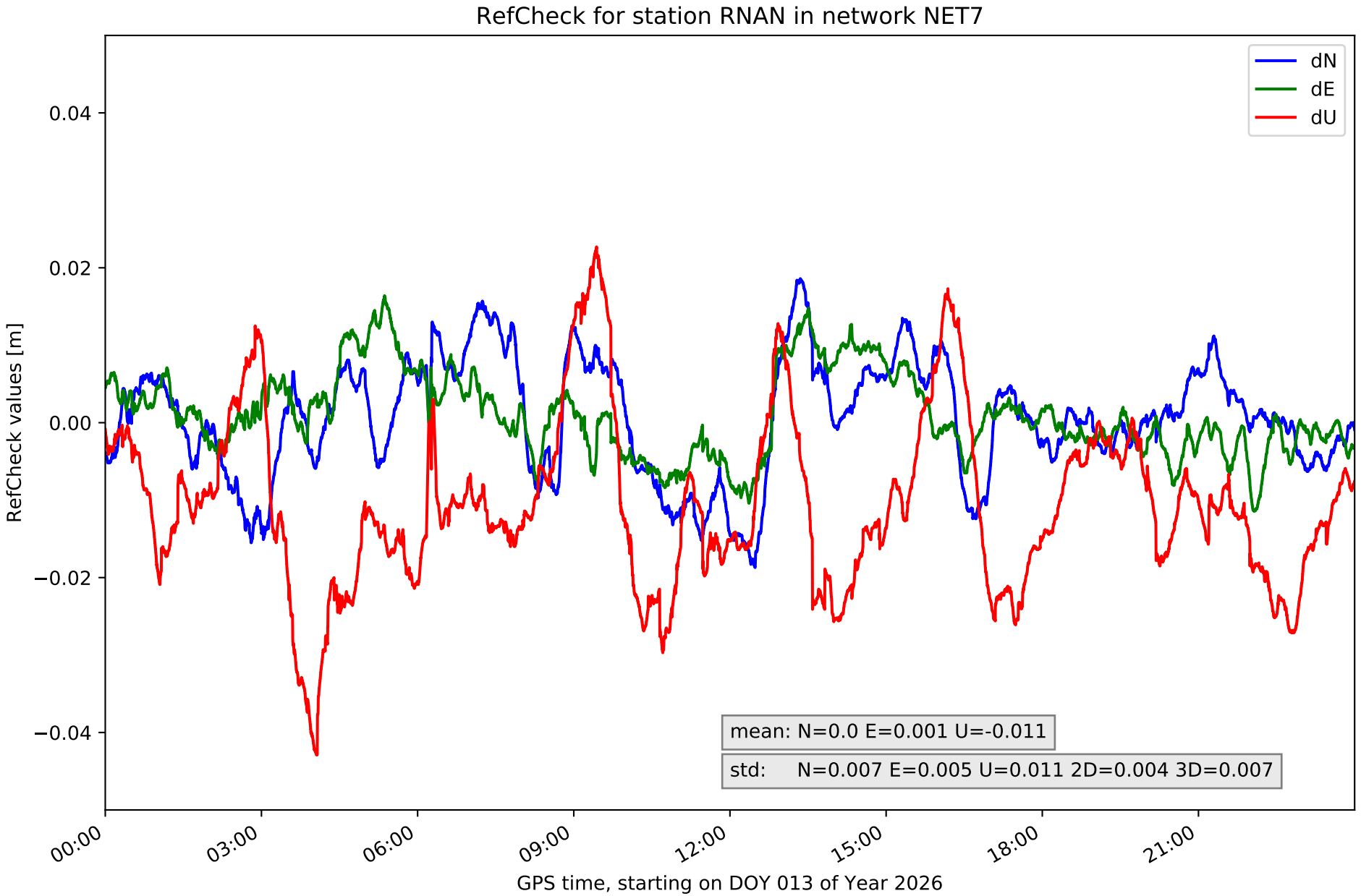

RefCheck for station LEON in network NET7
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.004 E=-0.004 U=-0.002
std: N=0.003 E=0.002 U=0.007 2D=0.003 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 013 of Year 2026

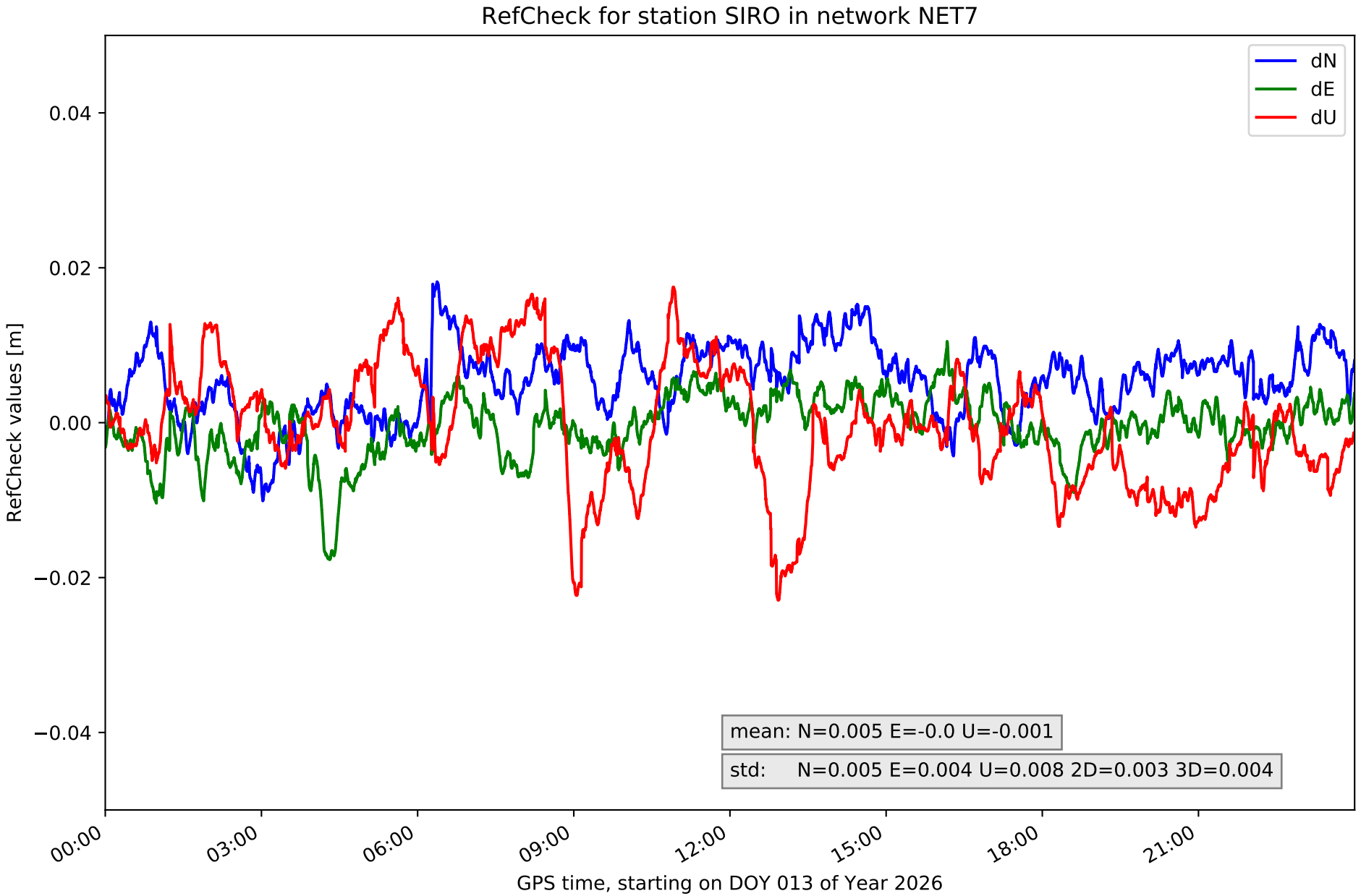

RefCheck for station MDPM in network NET7
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.001 E=-0.006 U=0.01
std: N=0.006 E=0.004 U=0.01 2D=0.003 3D=0.007
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 013 of Year 2026

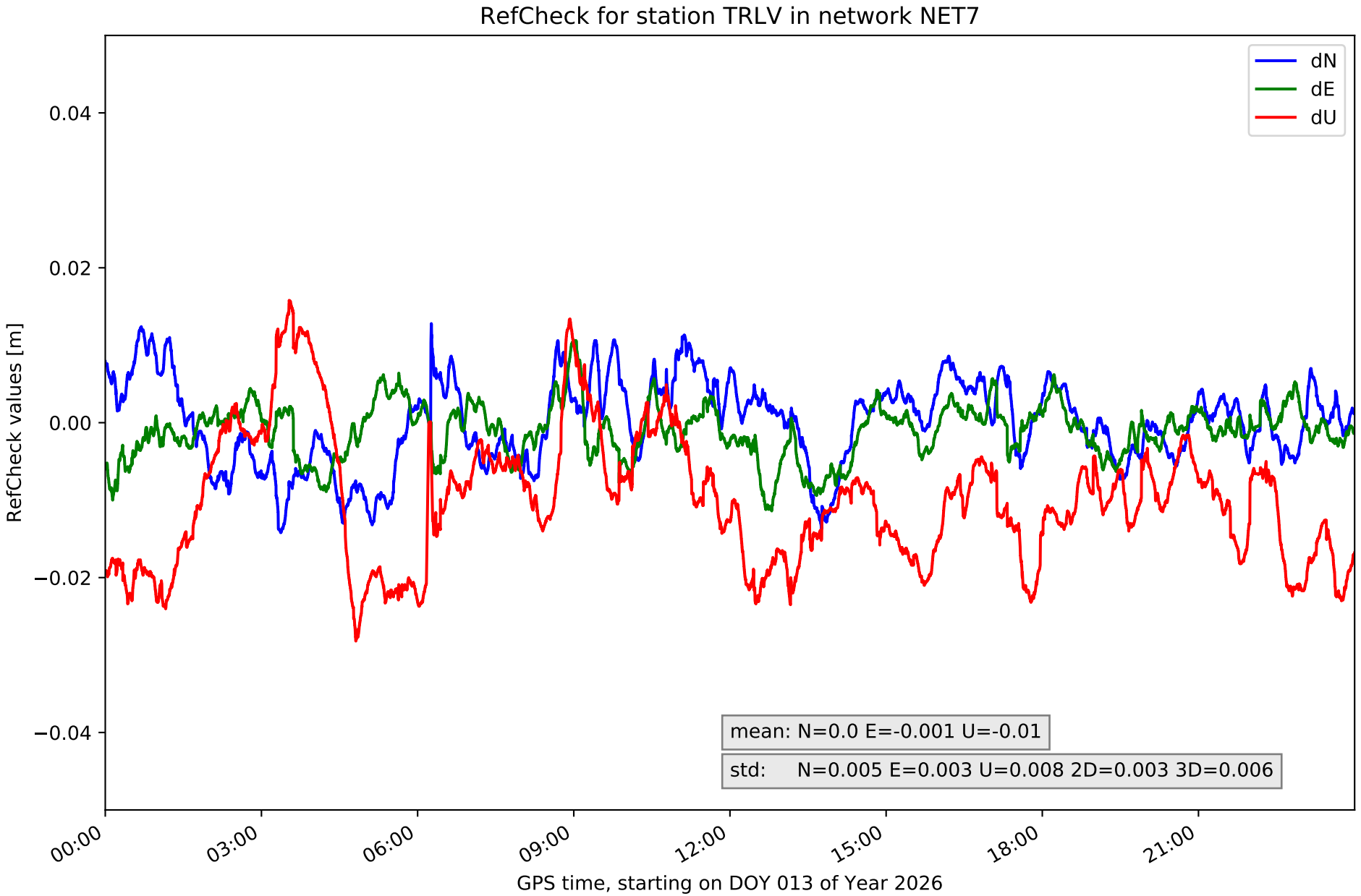

RefCheck for station RENS in network NET7
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.005 E=-0.002 U=-0.008
std: N=0.005 E=0.004 U=0.011 2D=0.005 3D=0.007
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 013 of Year 2026

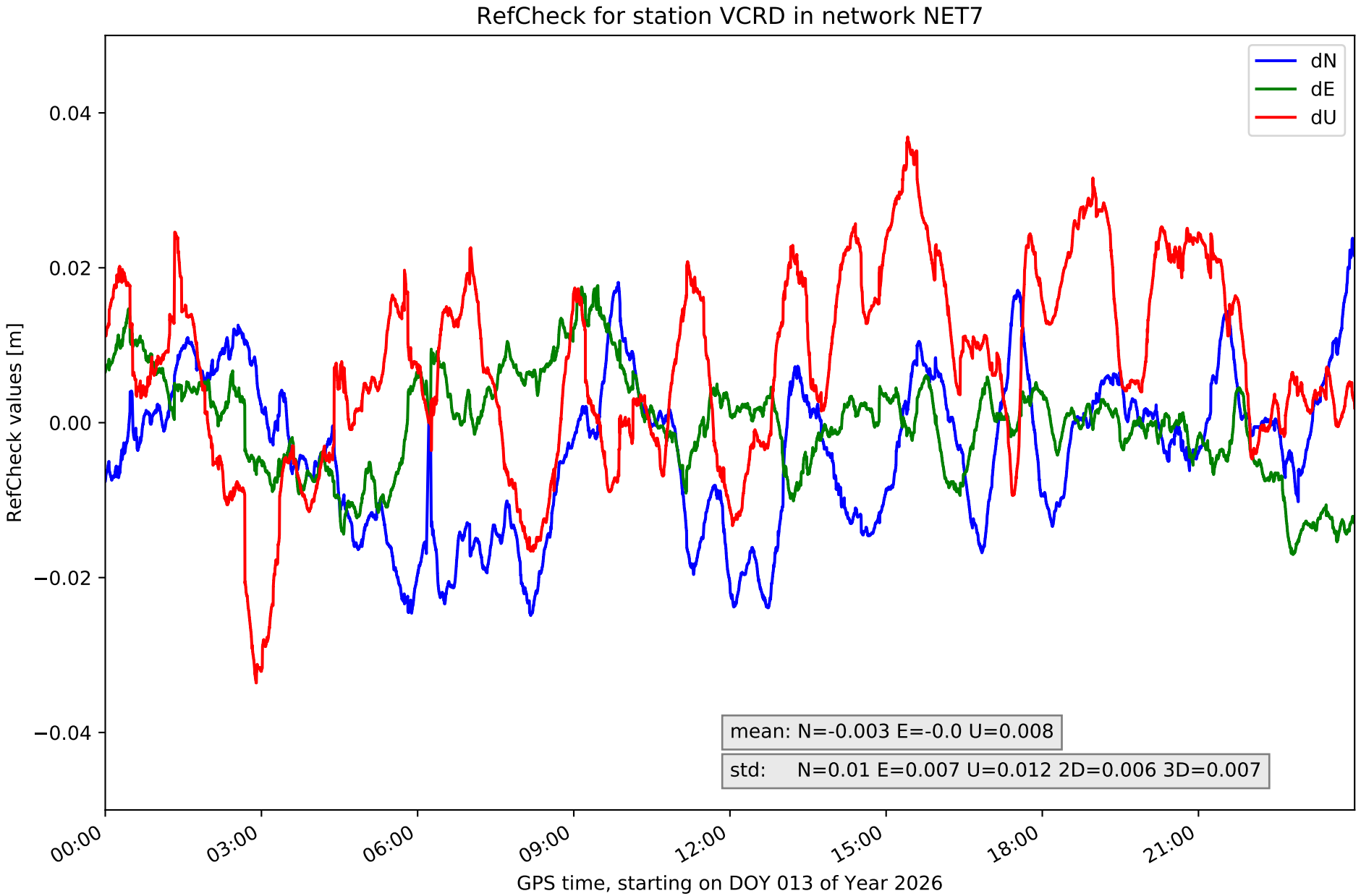

RefCheck for station RIAN in network NET7
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.002 E=-0.003 U=-0.002
std: N=0.004 E=0.002 U=0.007 2D=0.003 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 013 of Year 2026

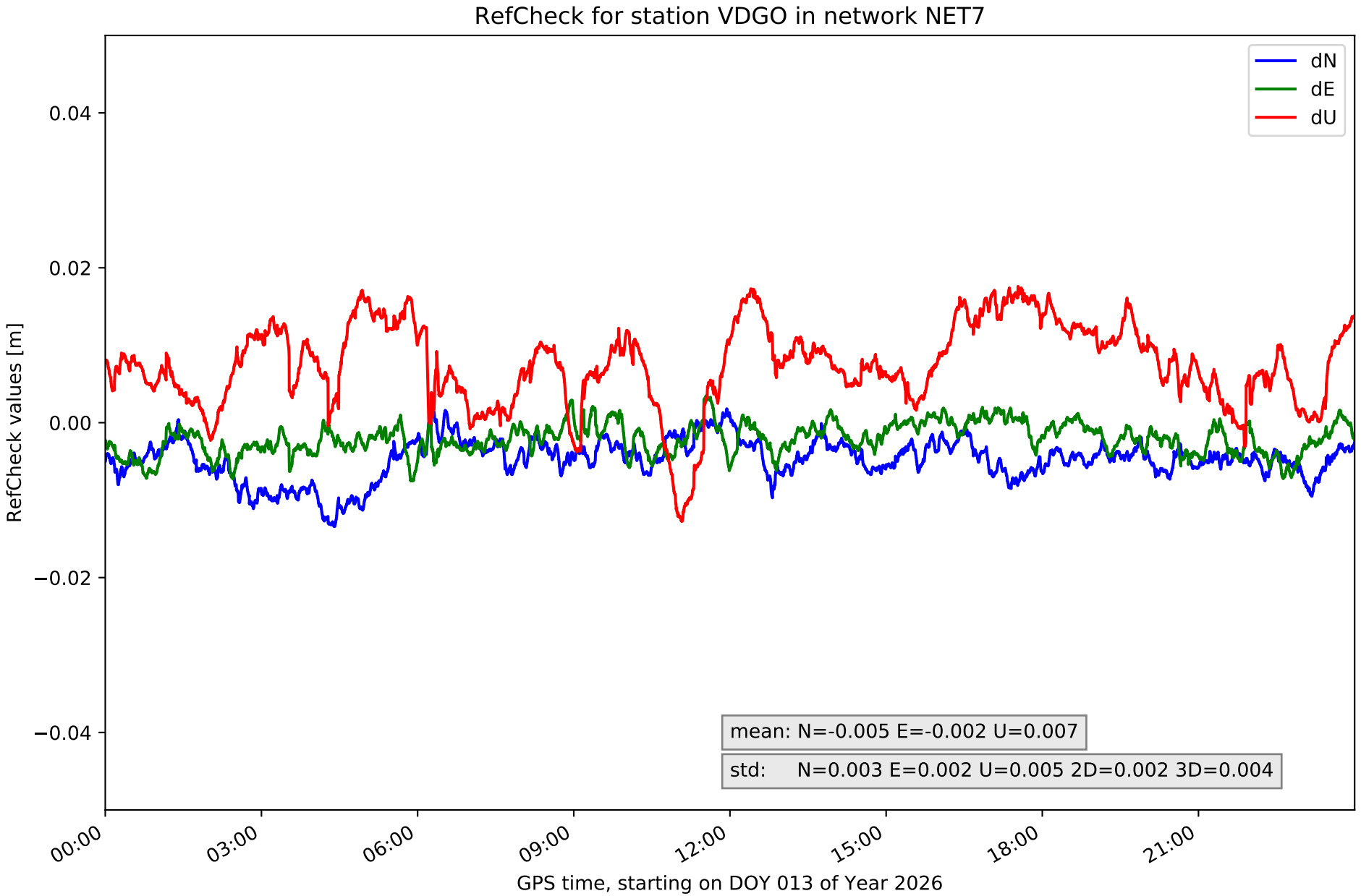

RefCheck for station RIBE in network NET7
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.005 E=0.002 U=-0.001
std: N=0.005 E=0.004 U=0.007 2D=0.004 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 013 of Year 2026

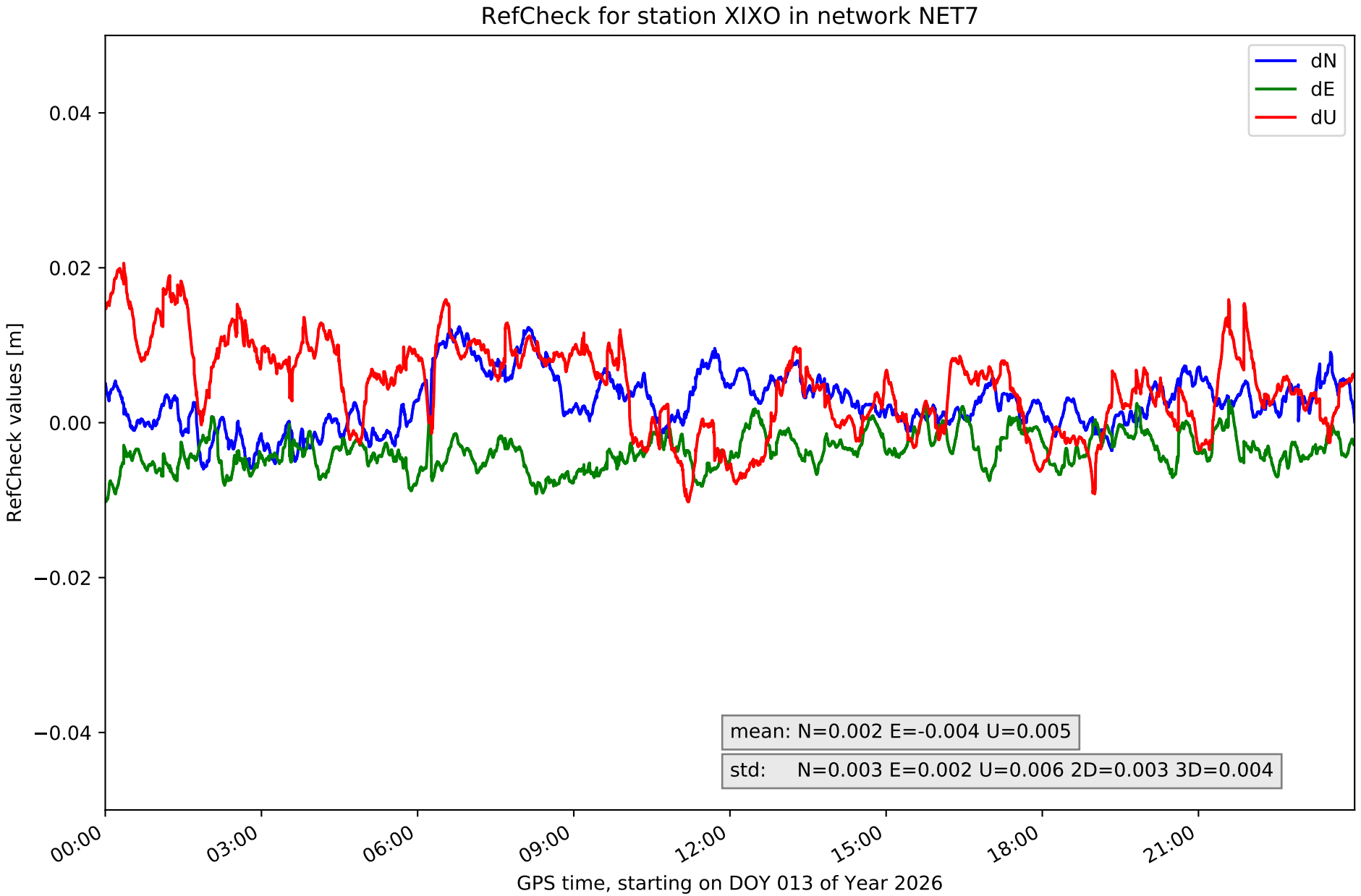

RefCheck for station RNAN in network NET7
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.0 E=0.001 U=-0.011
std: N=0.007 E=0.005 U=0.011 2D=0.004 3D=0.007
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 013 of Year 2026


RefCheck for station SIRO in network NET7
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.005 E=-0.0 U=-0.001
std: N=0.005 E=0.004 U=0.008 2D=0.003 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 013 of Year 2026


RefCheck for station TRLV in network NET7
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.0 E=-0.001 U=-0.01
std: N=0.005 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 013 of Year 2026


RefCheck for station VCRD in network NET7
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.003 E=-0.0 U=0.008
std: N=0.01 E=0.007 U=0.012 2D=0.006 3D=0.007
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 013 of Year 2026


RefCheck for station VDGO in network NET7
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.005 E=-0.002 U=0.007
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 013 of Year 2026


RefCheck for station XIXO in network NET7
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=-0.004 U=0.005
std: N=0.003 E=0.002 U=0.006 2D=0.003 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 013 of Year 2026

RefCheck values for network NET7

Station	Nmin	Nmax	Nstd	Emin	Emax	Estd	Umin	Umax	Ustd	std2D	std3D	#2D > 0.01	% 2D > 0.01	#3D > 0.02	% 3D > 0.02
AVL1	-0.016	0.0	0.003	-0.006	0.008	0.002	-0.037	0.002	0.007	0.003	0.006	16244	25.4	17356	27.1
CANT	-0.008	0.019	0.004	-0.016	0.007	0.003	-0.015	0.033	0.009	0.003	0.005	7664	12.0	2674	4.2
CASO	-0.022	0.018	0.009	-0.0	**0.028**	0.004	-0.014	**0.049**	0.01	0.004	0.007	**62762**	**98.1**	**44797**	**70.0**
FUDE	-0.018	0.008	0.004	-0.006	0.013	0.003	-0.024	0.027	0.01	0.003	0.006	15086	23.6	8608	13.4
LANT	-0.001	0.023	0.004	-0.014	0.005	0.003	-0.019	0.026	0.006	0.004	0.004	44096	68.9	6041	9.4
LARE	-0.019	0.012	0.007	**-0.019**	0.005	0.005	**-0.048**	0.019	0.011	0.005	**0.008**	27310	42.7	9832	15.4
LENA	-0.004	**0.03**	0.008	-0.018	0.01	0.004	-0.035	**0.049**	**0.013**	**0.007**	**0.008**	41348	64.6	29715	46.4
LEON	-0.015	0.004	0.003	-0.01	0.003	0.002	-0.017	0.018	0.007	0.003	0.004	8298	13.0	526	0.8
MDPM	-0.013	0.016	0.006	-0.016	0.002	0.004	-0.014	0.04	0.01	0.003	0.007	22422	35.0	14119	22.1
RENS	-0.019	0.005	0.005	-0.018	0.014	0.004	-0.038	0.019	0.011	0.005	0.007	16360	25.6	11990	18.7
RIAN	-0.014	0.009	0.004	-0.012	0.002	0.002	-0.02	0.018	0.007	0.003	0.004	2821	4.4	136	0.2
RIBE	-0.024	0.009	0.005	-0.011	0.015	0.004	-0.021	0.016	0.007	0.004	0.005	13615	21.3	1461	2.3
RNAN	-0.019	0.019	0.007	-0.011	0.016	0.005	-0.043	0.023	0.011	0.004	0.007	20572	32.1	18912	29.5
SIRO	-0.01	0.018	0.005	-0.018	0.011	0.004	-0.023	0.018	0.008	0.003	0.004	13621	21.3	1401	2.2
TRLV	-0.014	0.013	0.005	-0.011	0.011	0.003	-0.028	0.016	0.008	0.003	0.006	7484	11.7	13248	20.7
VCRD	**-0.025**	0.024	**0.01**	-0.017	0.018	**0.007**	-0.034	0.037	0.012	0.006	0.007	32327	50.5	26017	40.6
VDGO	-0.013	0.002	0.003	-0.007	0.004	0.002	-0.013	0.018	0.005	0.002	0.004	3722	5.8	107	0.2
XIXO	-0.006	0.012	0.003	-0.01	0.003	0.002	-0.01	0.021	0.006	0.003	0.004	4708	7.4	593	0.9
Mean	**-0.014**	**0.013**	**0.005**	**-0.012**	**0.01**	**0.004**	**-0.025**	**0.025**	**0.009**	**0.004**	**0.006**	**20025.6**	**31.3**	**11529.6**	**18.0**
Min/Max	**-0.025**	**0.03**	**0.01**	**-0.019**	**0.028**	**0.007**	**-0.048**	**0.049**	**0.013**	**0.007**	**0.008**	**62762**	**98.1**	**44797**	**70.0**

fixing statistic for network NET7

fixing percentage of	all GNSS	G	R	E	C
using threshold 0.3	94.6	95.4	94.8	95.3	92.7
considering satellites with dual-frequency fixed	92.2	92.7	92.6	93.6	90.3
considering all signals separately	92.3	92.6	92.7	93.8	90.0