summary for network NET4

timeperiod chosen: from 2026-11-09-00:00:00 until 2026-11-09-23:59:58

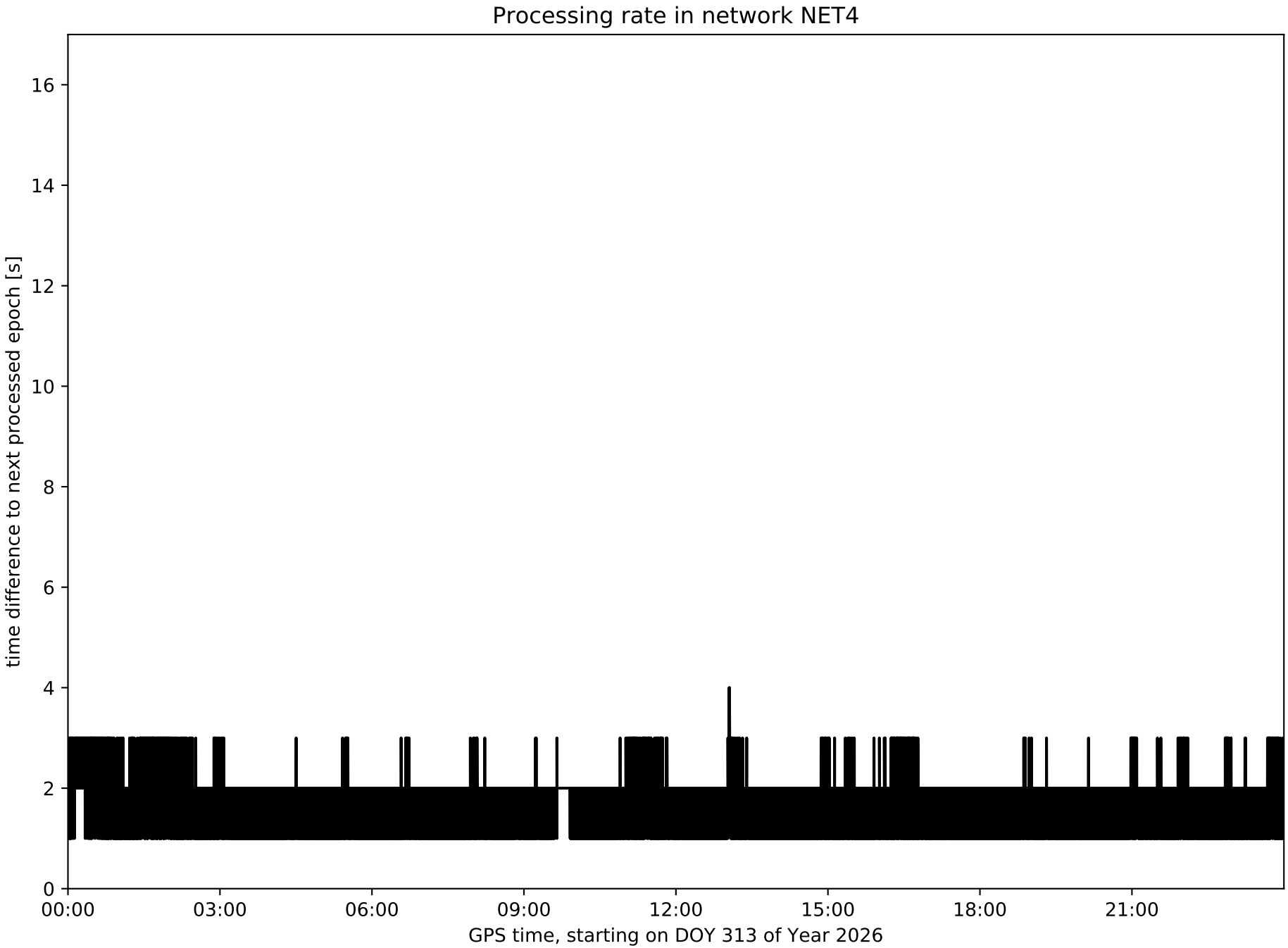
average update rate (durations larger than 15 seconds considered as observation gap): 1.3 seconds

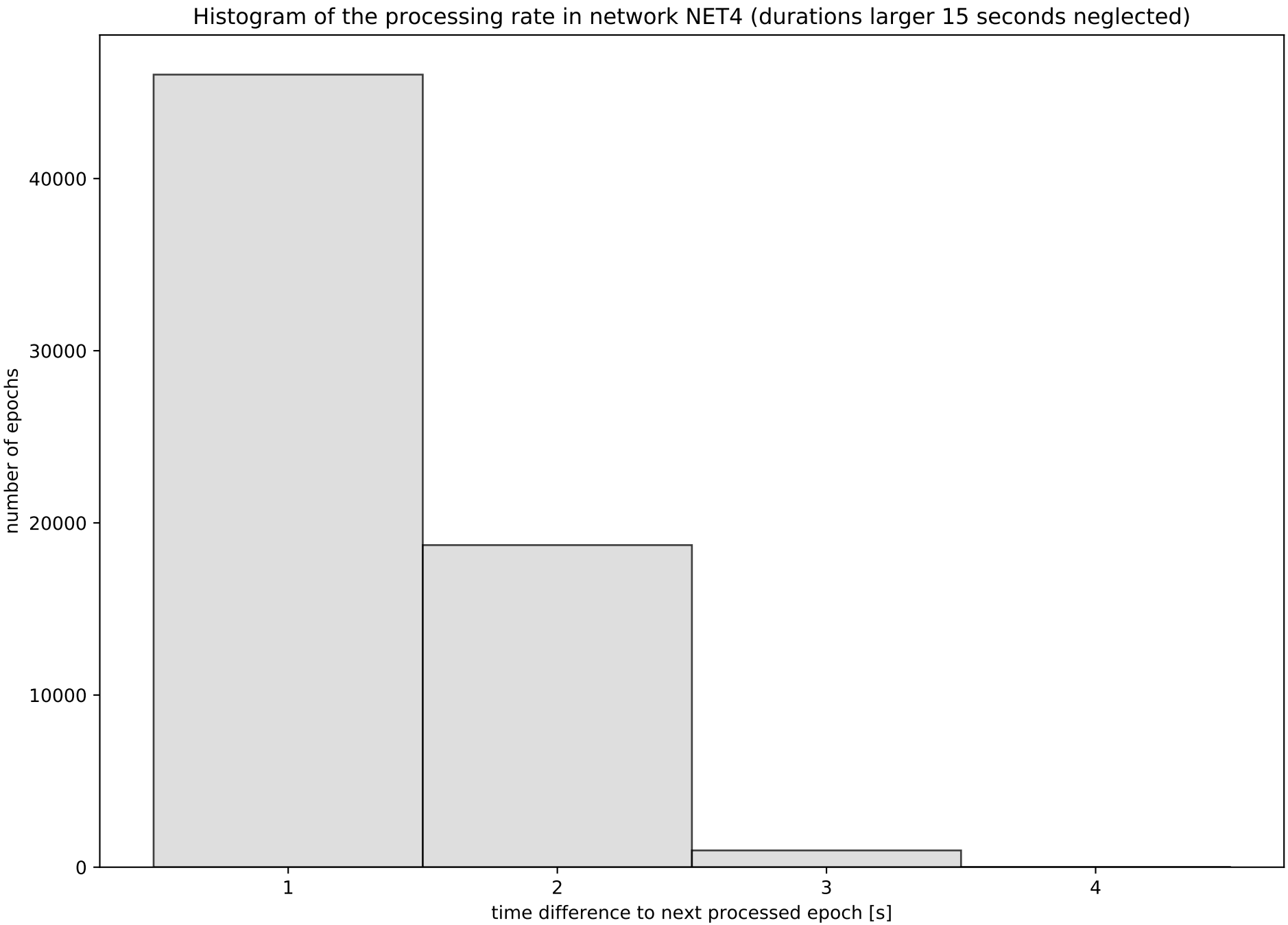
average fixing percentage with threshold set to 0.3: 94.9 percent

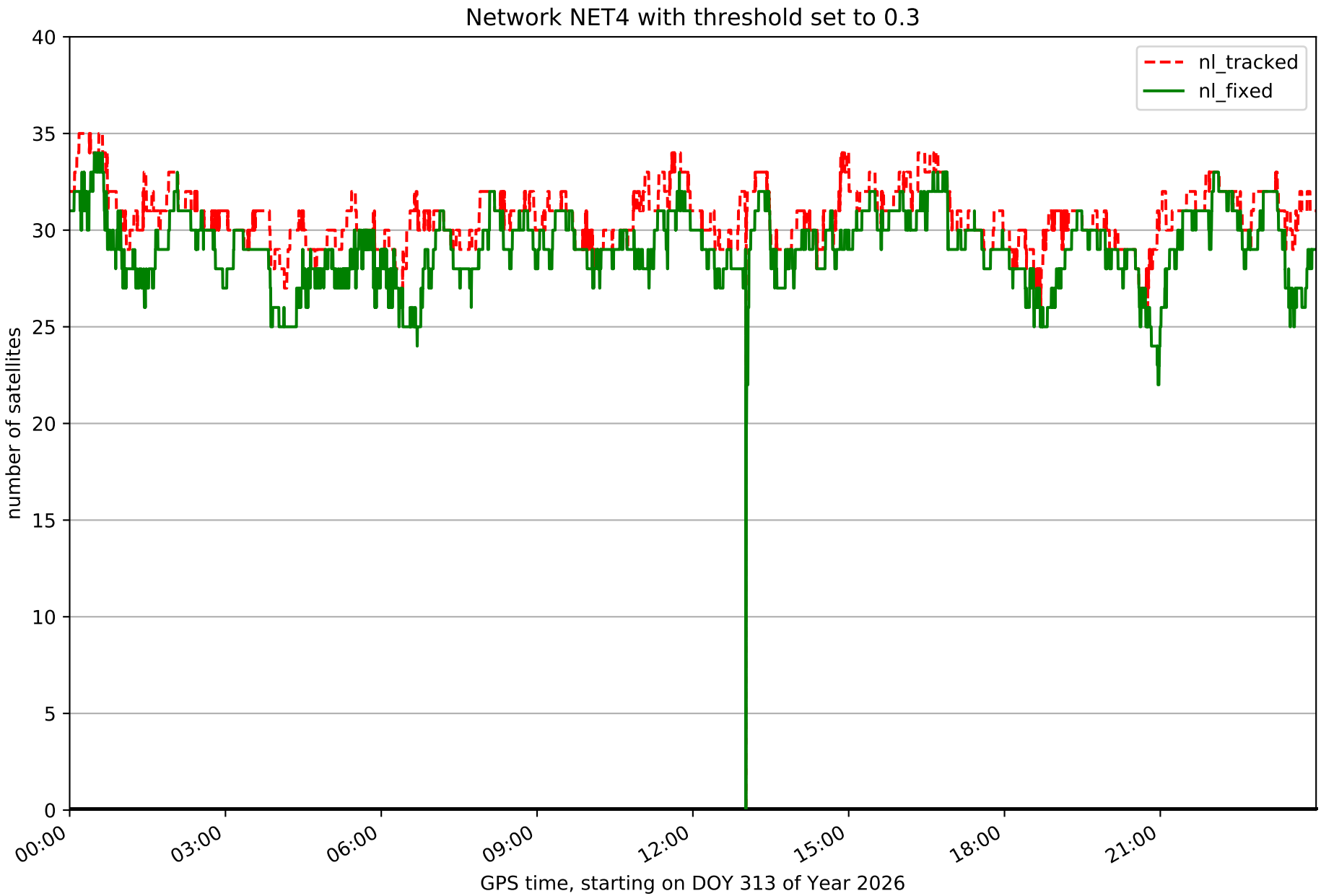
stations available: 18 of 18

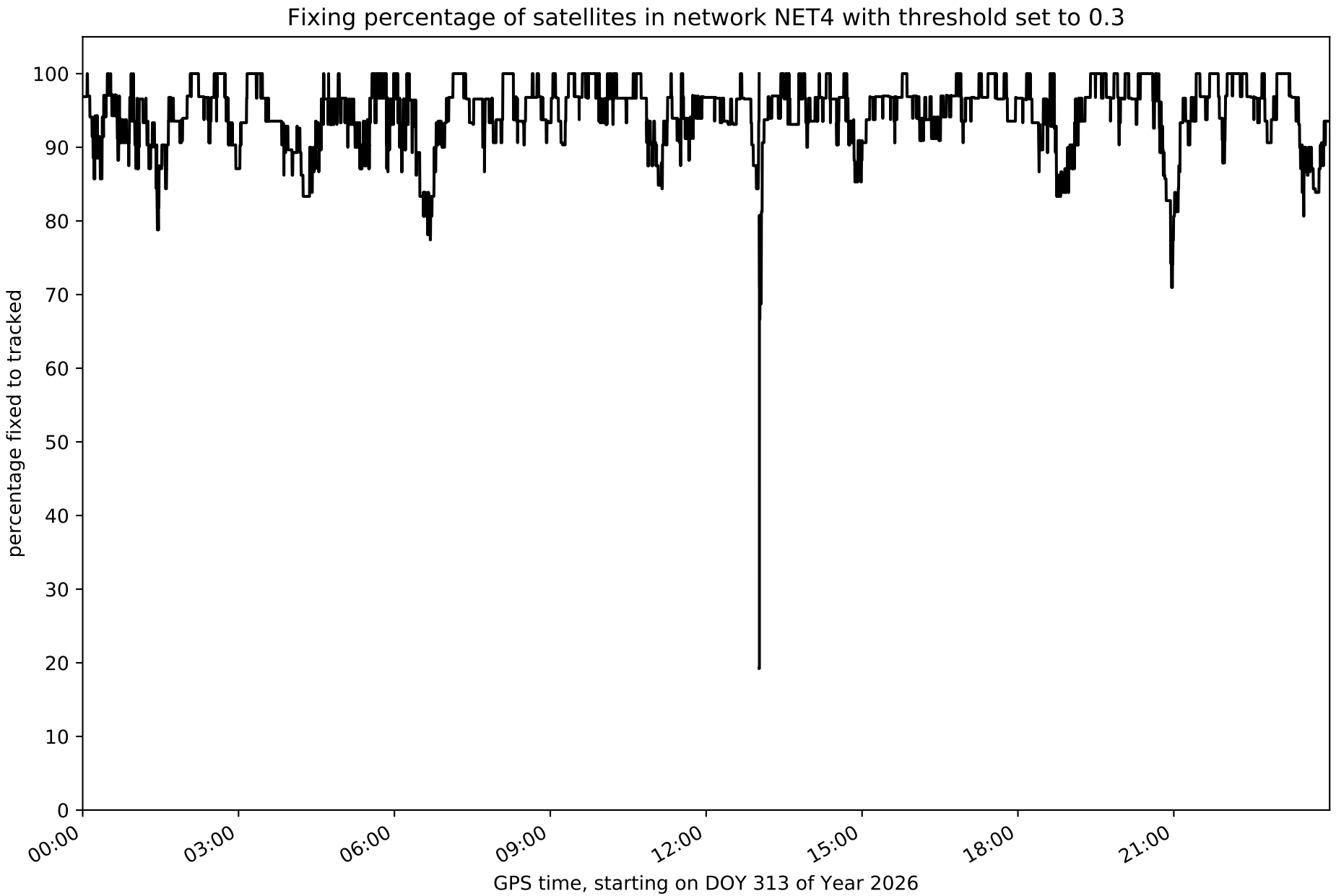
station information:

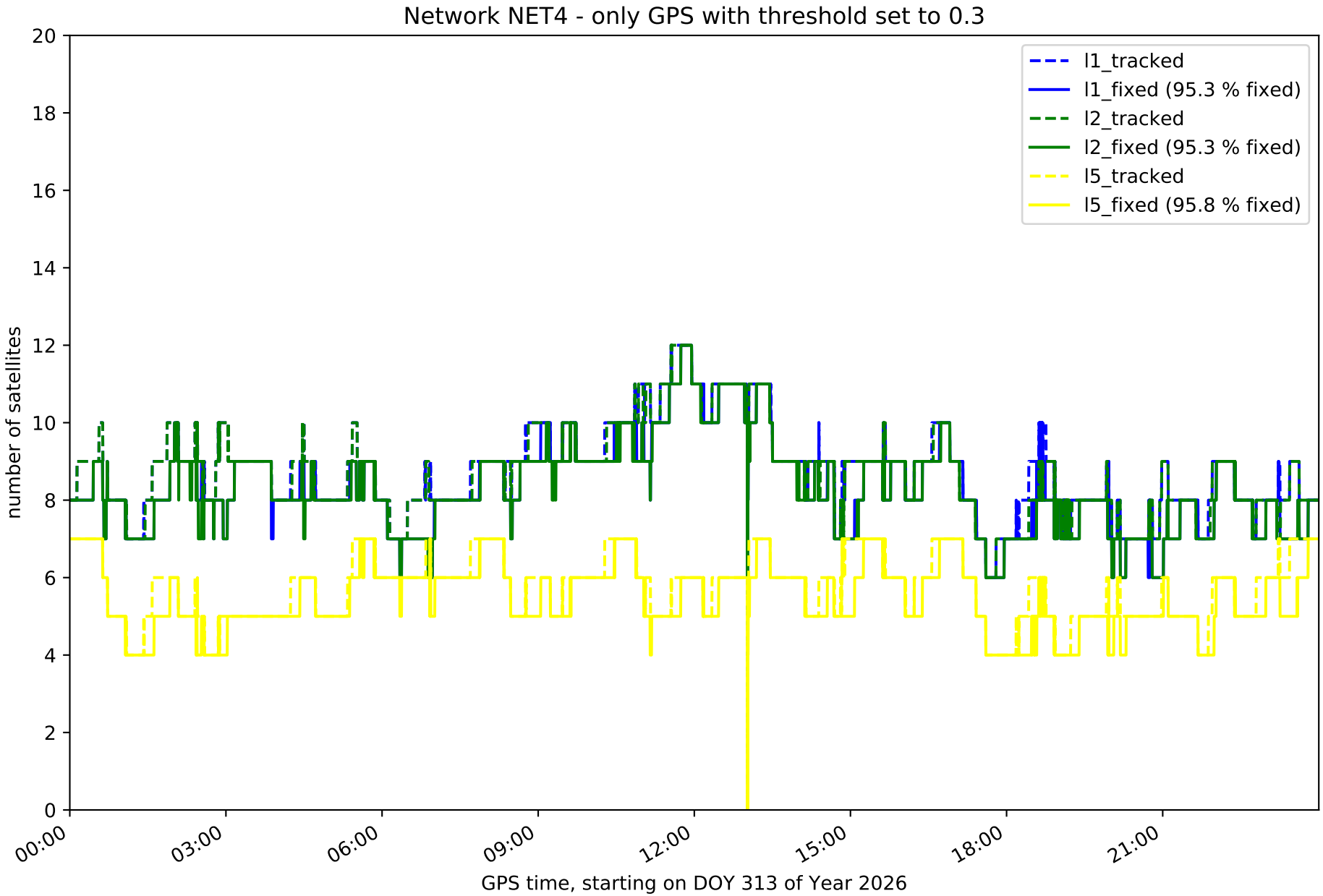
station ACNS:	antenna: TRM59900.00	SCIS	receiver: TRIMBLE NETR9	height: 871.276
station CDRD:	antenna: GPPNULLANTENNA	NONE	receiver: LEICA GR50	height: 679.355
station CRPO:	antenna: TRM59900.00	SCIS	receiver: TRIMBLE NETR9	height: 827.901
station GUIJ:	antenna: GPPNULLANTENNA	NONE	receiver: LEICA GR50	height: 1065.442
station LERM:	antenna: TRM59900.00	SCIS	receiver: TRIMBLE NETR9	height: 926.168
station MDNR:	antenna: TRM59900.00	SCIS	receiver: TRIMBLE NETR9	height: 811.477
station MYRG:	antenna: TRM59900.00	SCIS	receiver: TRIMBLE NETR9	height: 843.89
station PALE:	antenna: TRM59900.00	SCIS	receiver: TRIMBLE NETR9	height: 797.586
station PDB1:	antenna: GPPNULLANTENNA	NONE	receiver: LEICA GR50	height: 970.977
station SALA:	antenna: LEIAR25	NONE	receiver: LEICA GR50	height: 855.015
station SALD:	antenna: GPPNULLANTENNA	NONE	receiver: LEICA GR50	height: 971.364
station STVD:	antenna: GPPNULLANTENNA	NONE	receiver: LEICA GR50	height: 807.536
station TORO:	antenna: TRM59900.00	SCIS	receiver: TRIMBLE NETR9	height: 806.926
station VALA:	antenna: LEIAR25.R3	NONE	receiver: LEICA GR30	height: 765.885
station VLFF:	antenna: GPPNULLANTENNA	NONE	receiver: LEICA GR50	height: 746.793
station VNAN:	antenna: TRM59900.00	SCIS	receiver: TRIMBLE NETR9	height: 864.285
station VTGD:	antenna: TRM59900.00	SCIS	receiver: TRIMBLE NETR9	height: 834.52
station ZMRA:	antenna: TRM59900.00	SCIS	receiver: TRIMBLE NETR9	height: 740.706

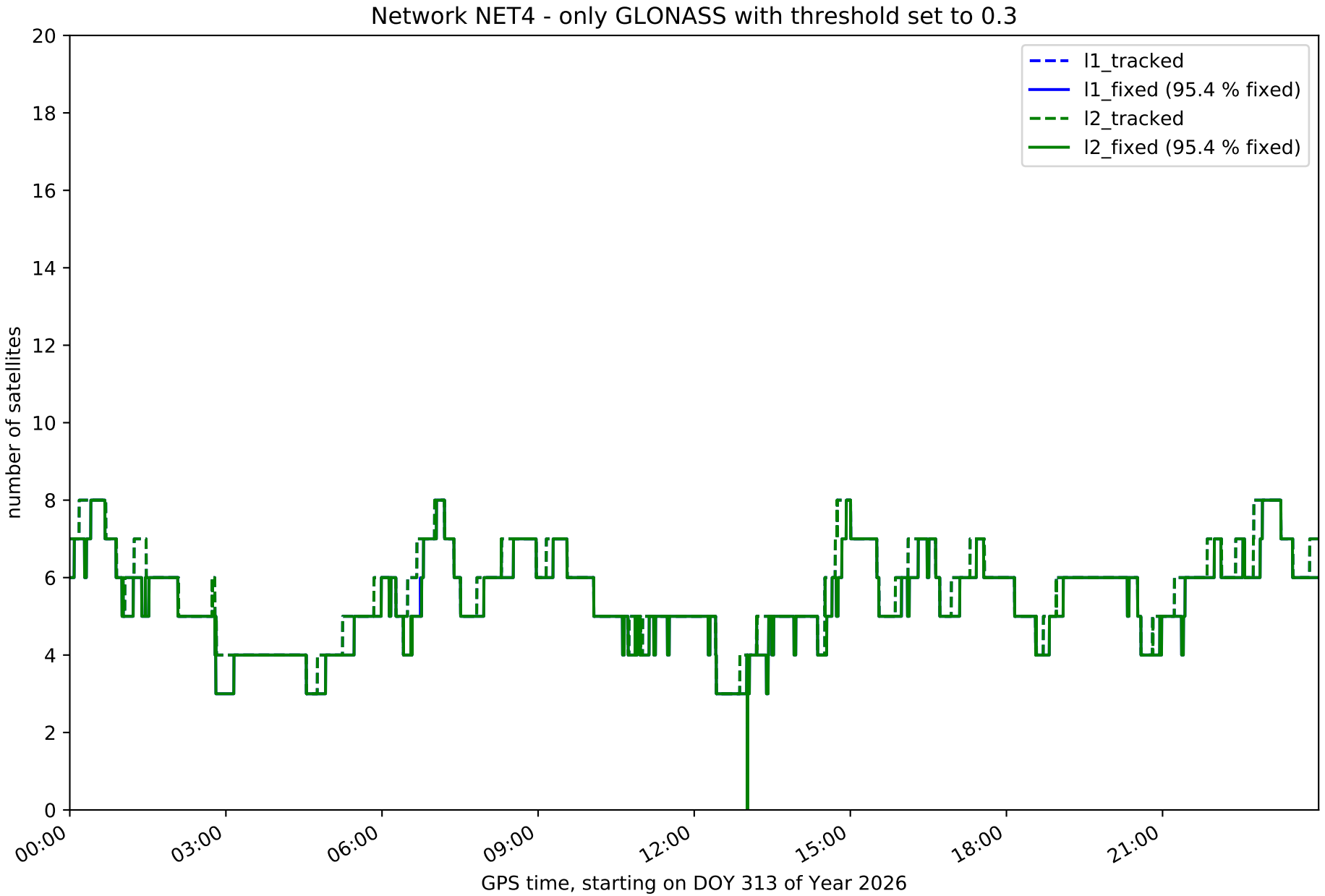

Processing rate in network NET4
time difference to next processed epoch [s]
0
2
4
6
8
10
12
14
16
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

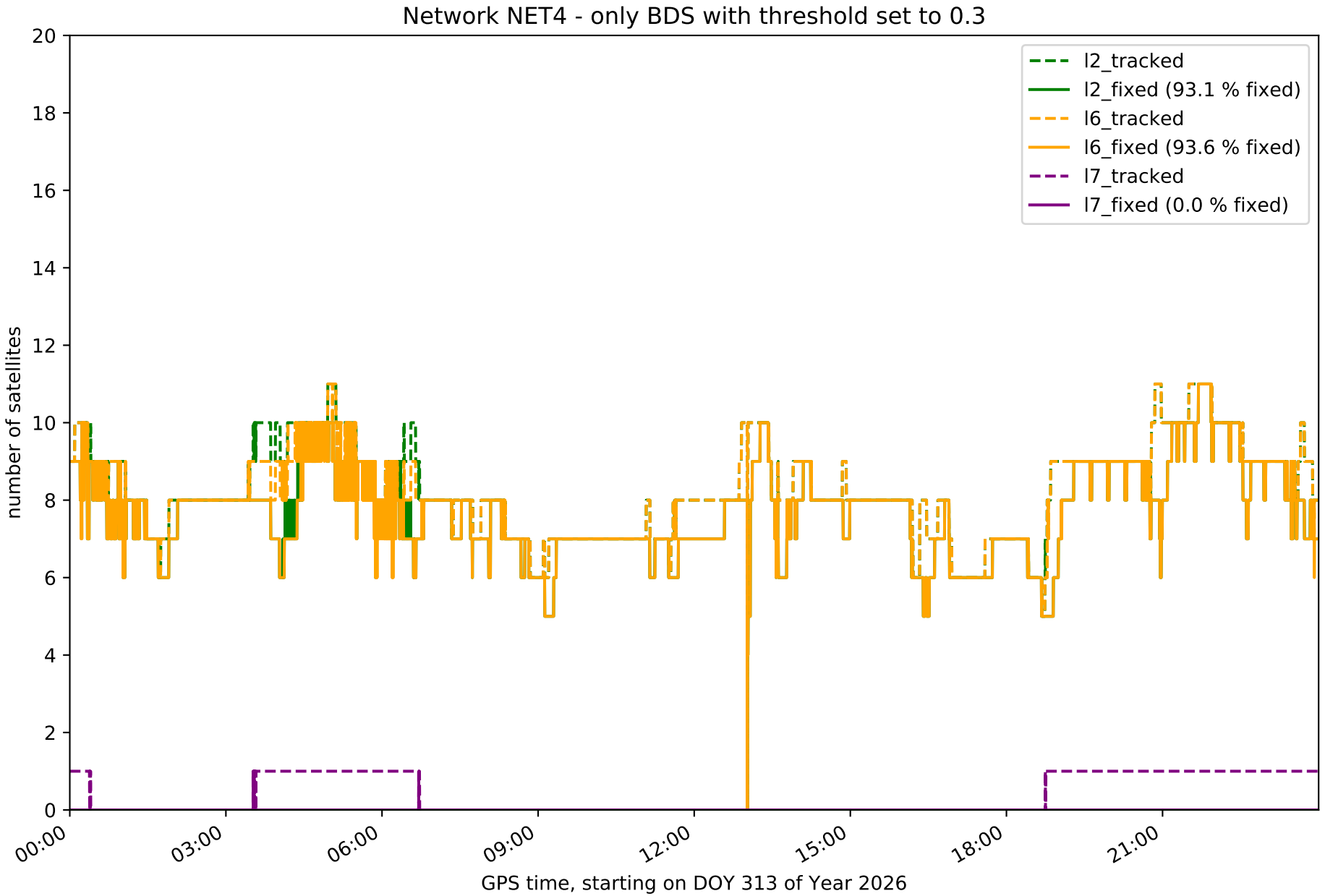

Histogram of the processing rate in network NET4 (durations larger 15 seconds neglected)
number of epochs
0
10000
20000
30000
40000
1
2
3
4
time difference to next processed epoch [s]

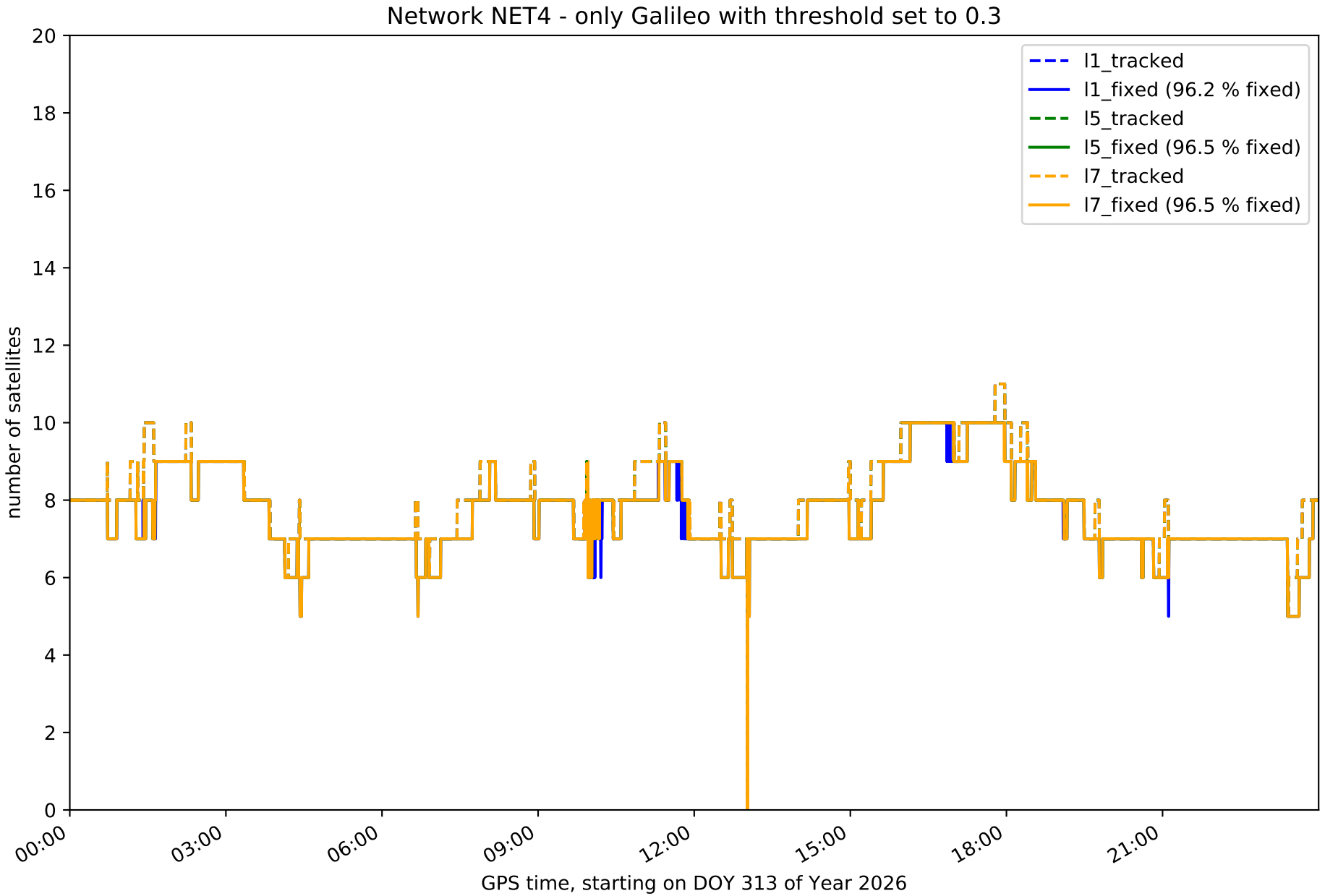

Network NET4 with threshold set to 0.3
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
40
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

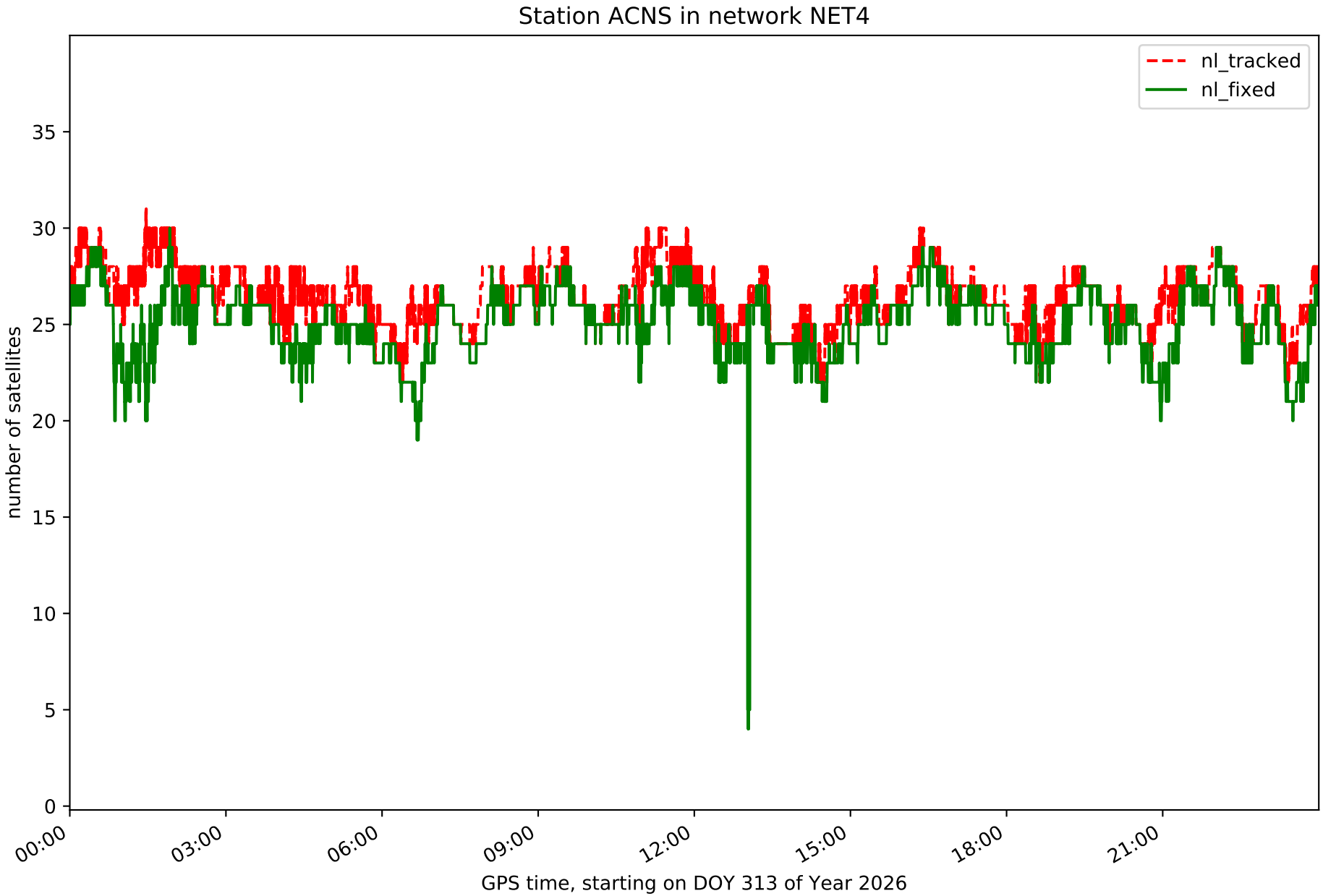

Fixing percentage of satellites in network NET4 with threshold set to 0.3
percentage fixed to tracked
100
90
80
70
60
50
40
30
20
10
0
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

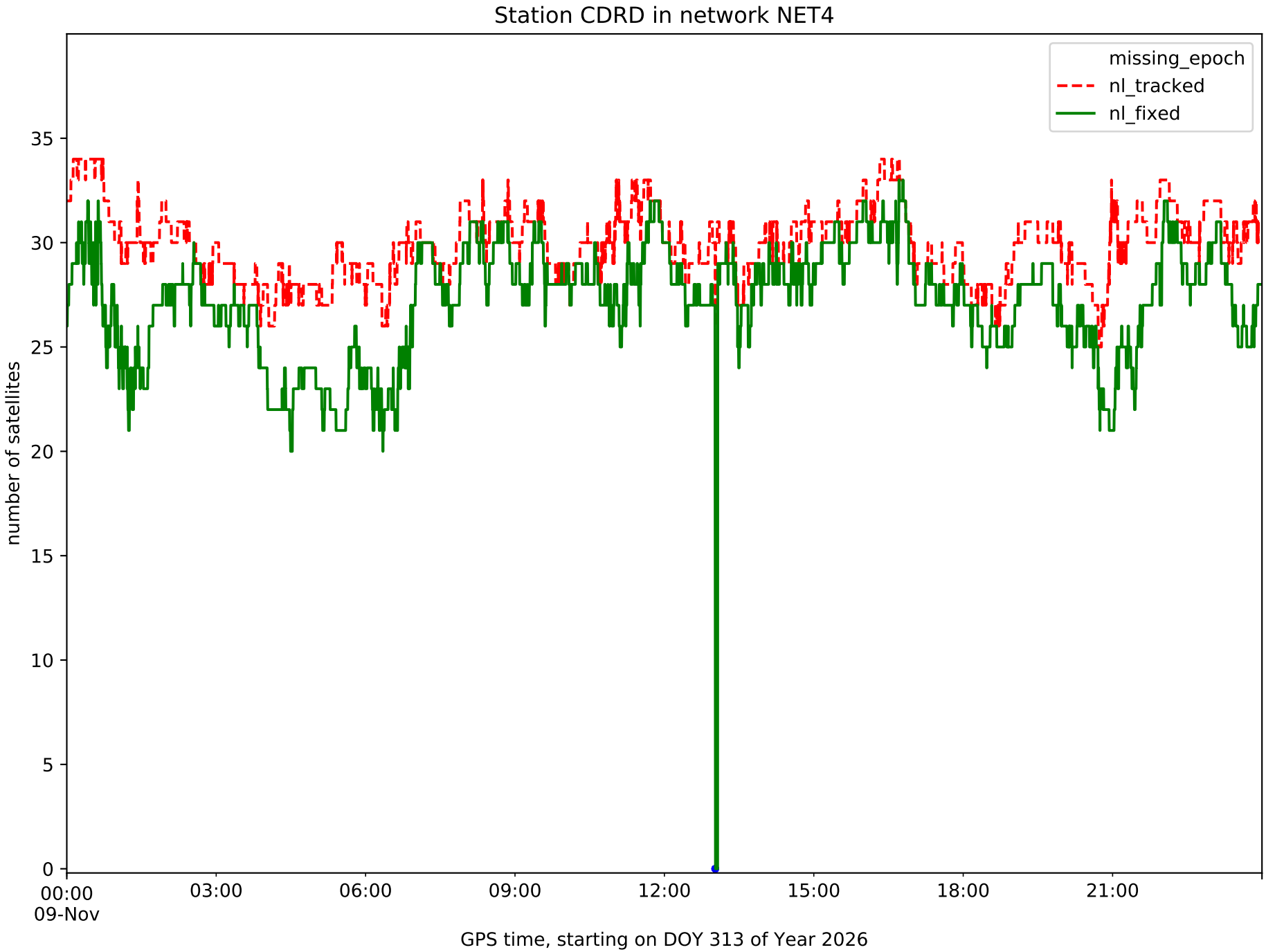

Network NET4 - only GPS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 313 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
l1_tracked
l1_fixed (95.3 % fixed)
l2_tracked
l2_fixed (95.3 % fixed)
l5_tracked
l5_fixed (95.8 % fixed)

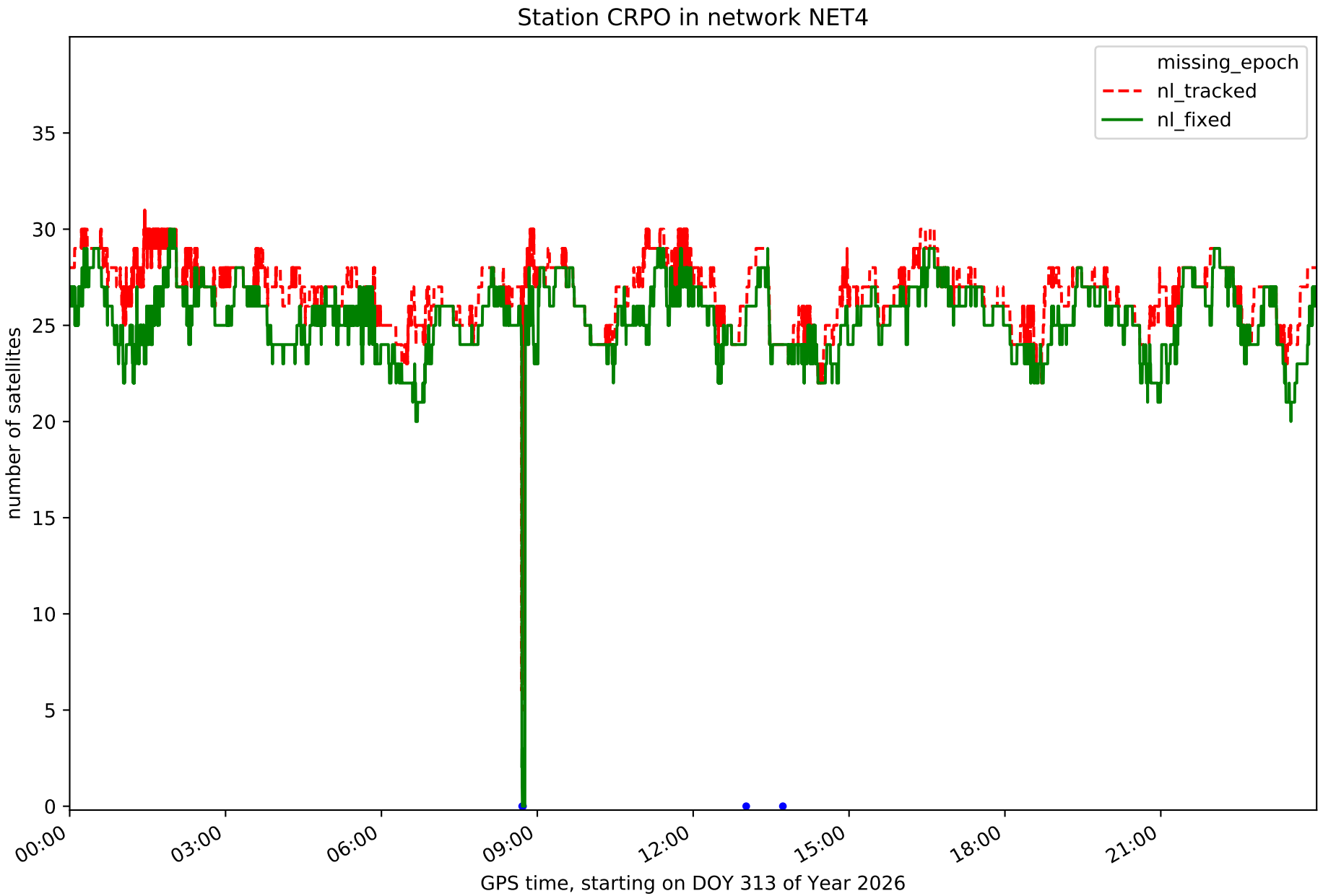

Network NET4 - only GLONASS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 313 of Year 2026
l1_tracked
l1_fixed (95.4 % fixed)
l2_tracked
l2_fixed (95.4 % fixed)
0
2
4
6
8
10
12
14
16
18
20
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00

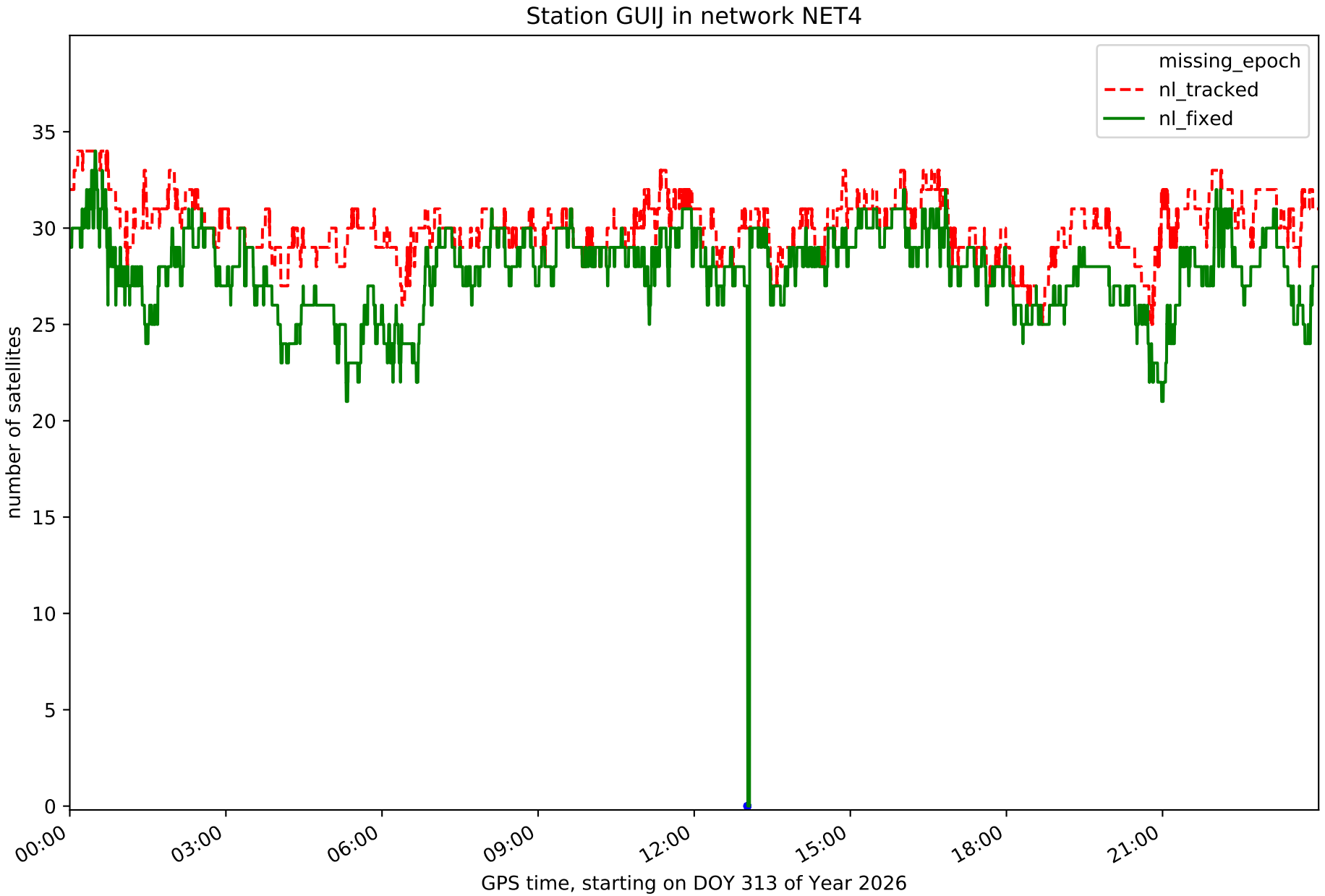

Network NET4 - only BDS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 313 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
I2_tracked
I2_fixed (93.1 % fixed)
I6_tracked
I6_fixed (93.6 % fixed)
I7_tracked
I7_fixed (0.0 % fixed)

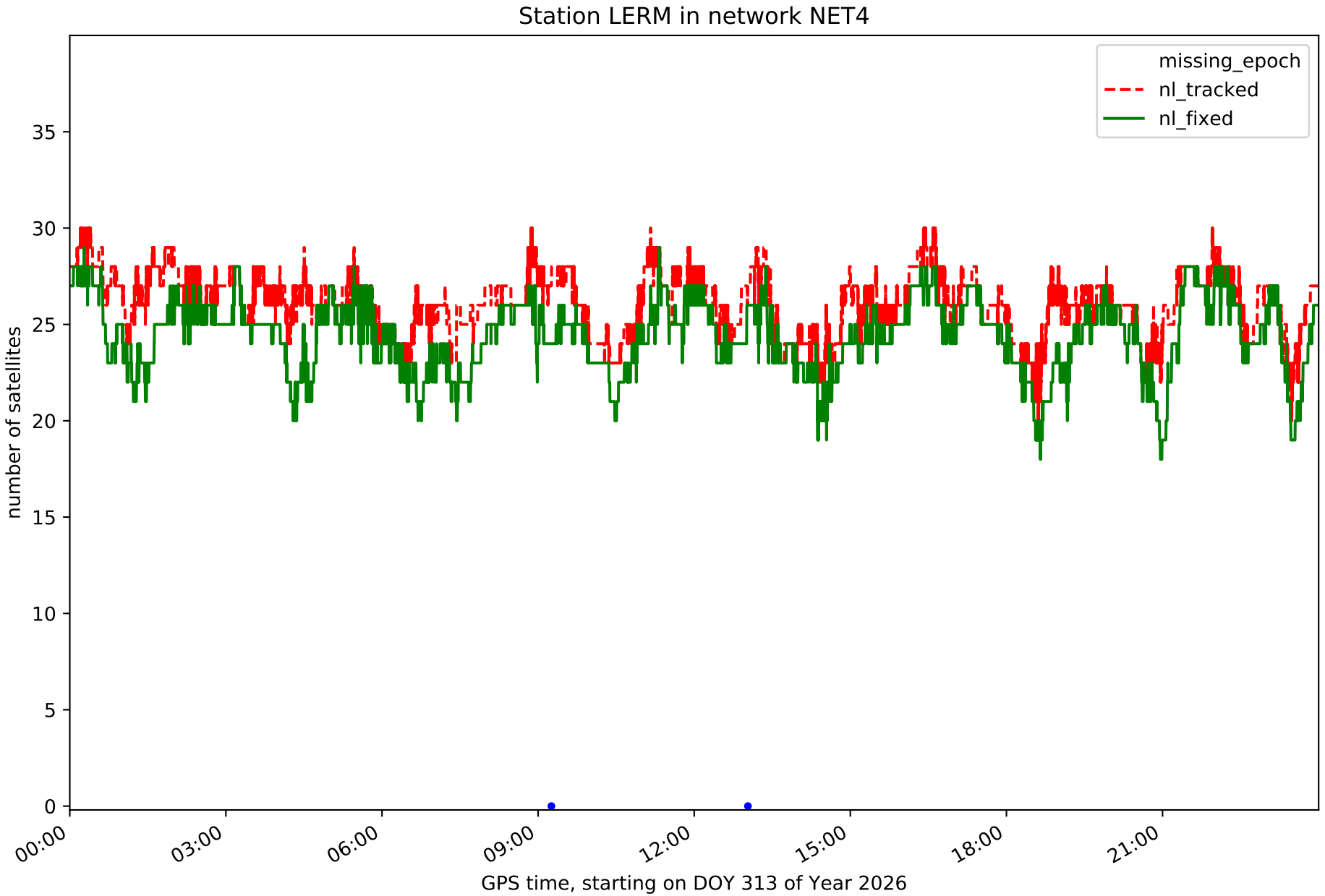

Network NET4 - only Galileo with threshold set to 0.3
number of satellites
GPS time, starting on DOY 313 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
l1_tracked
l1_fixed (96.2 % fixed)
l5_tracked
l5_fixed (96.5 % fixed)
l7_tracked
l7_fixed (96.5 % fixed)

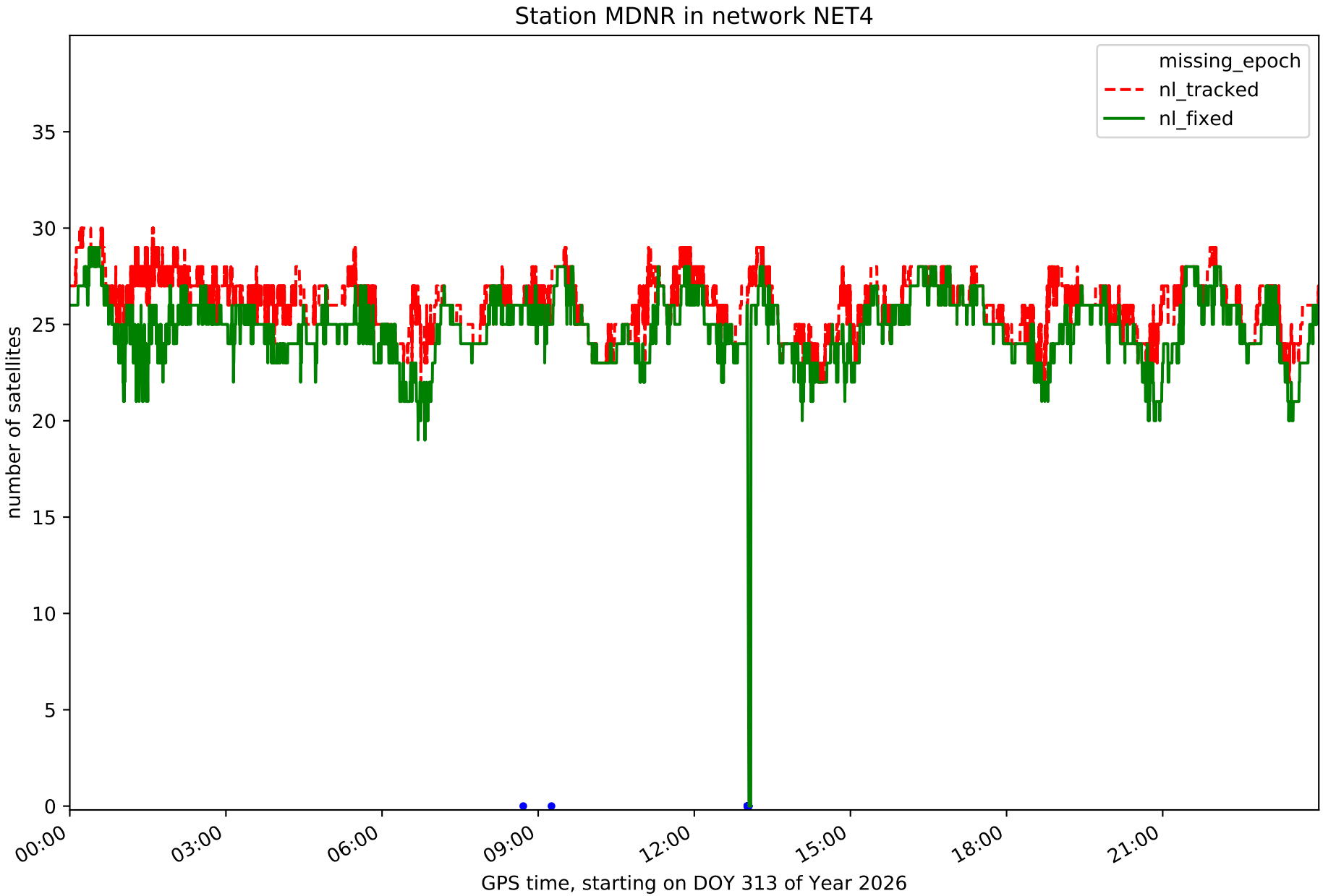

Station ACNS in network NET4
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

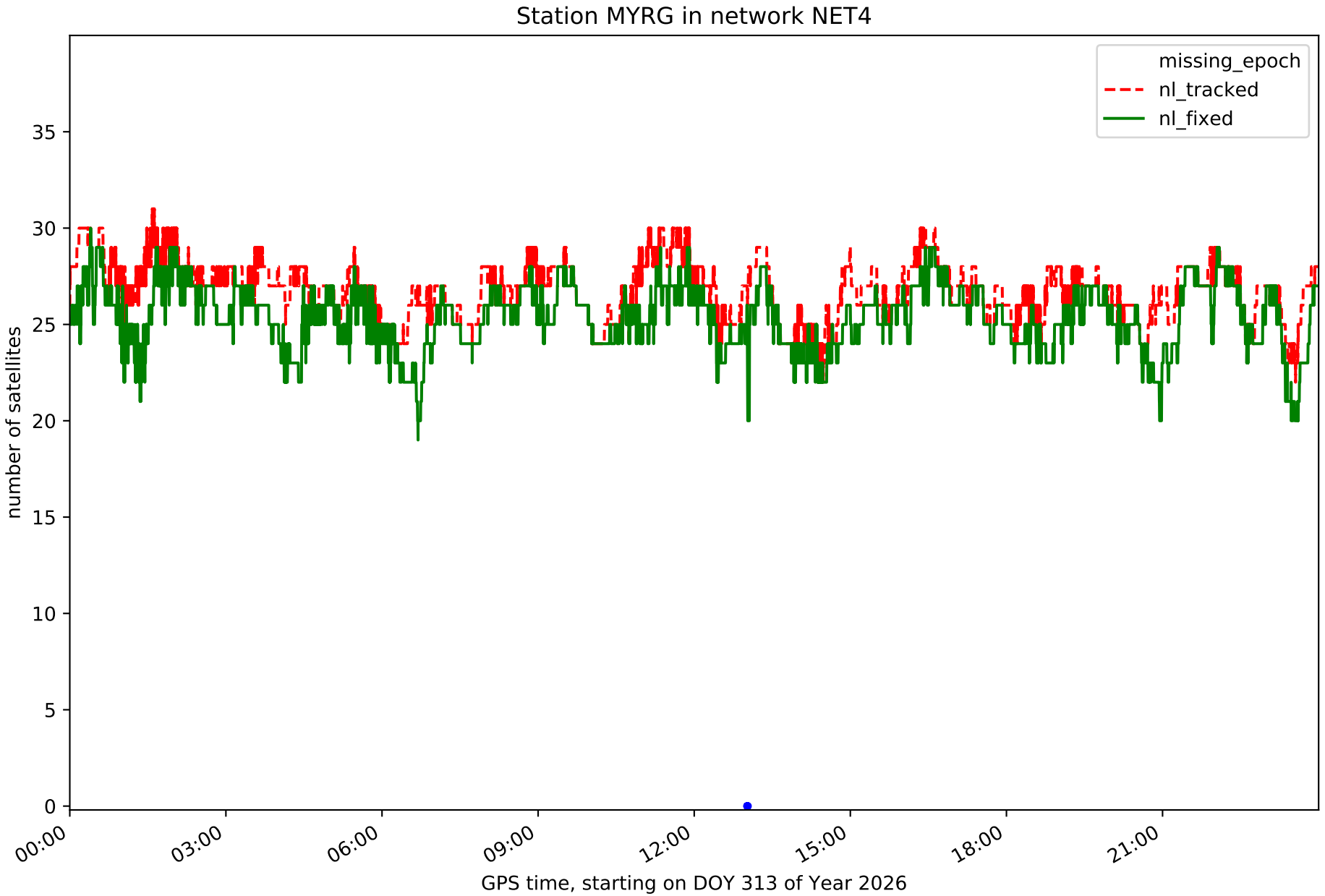

Station CDRD in network NET4
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
09-Nov
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

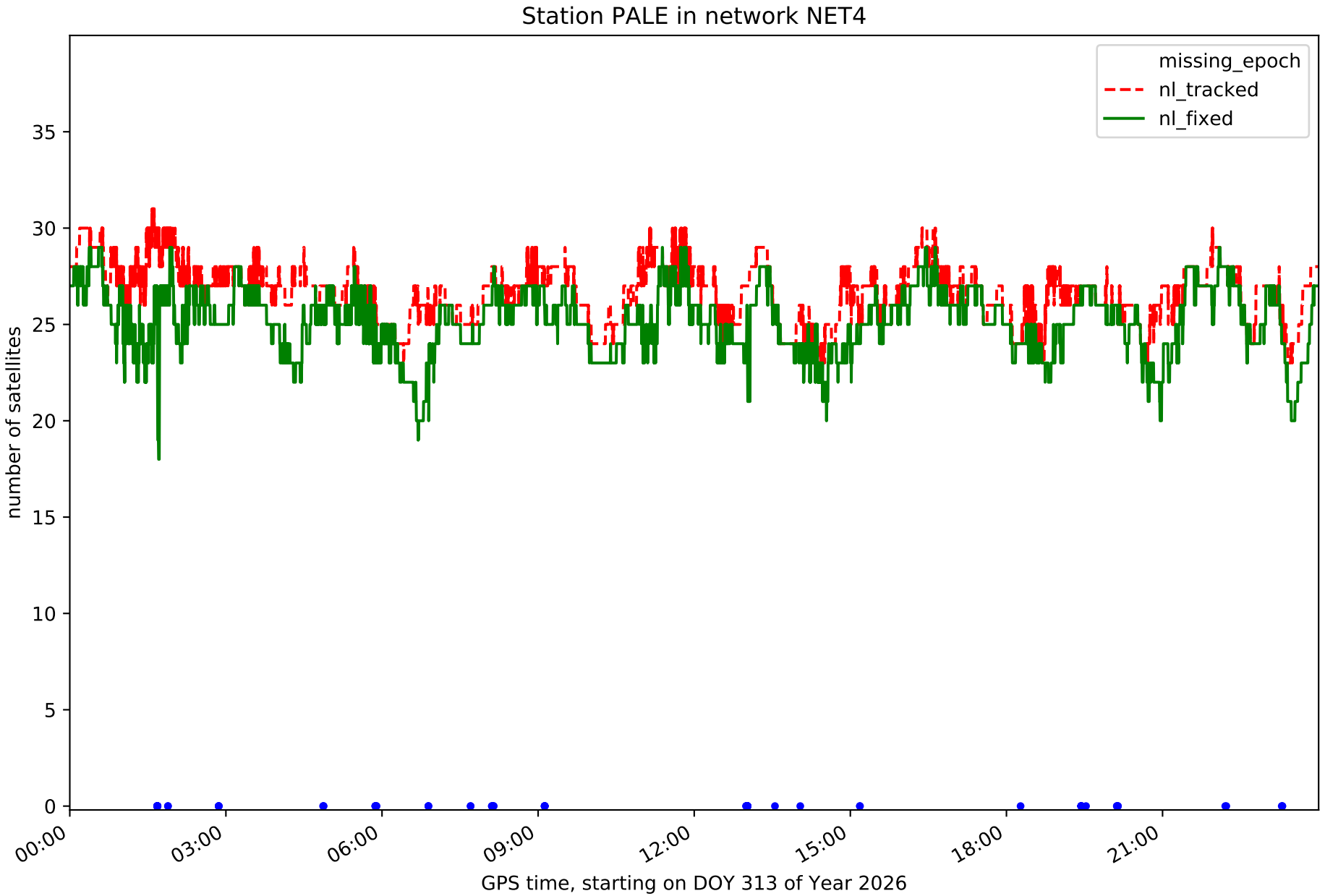

Station CRPO in network NET4
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

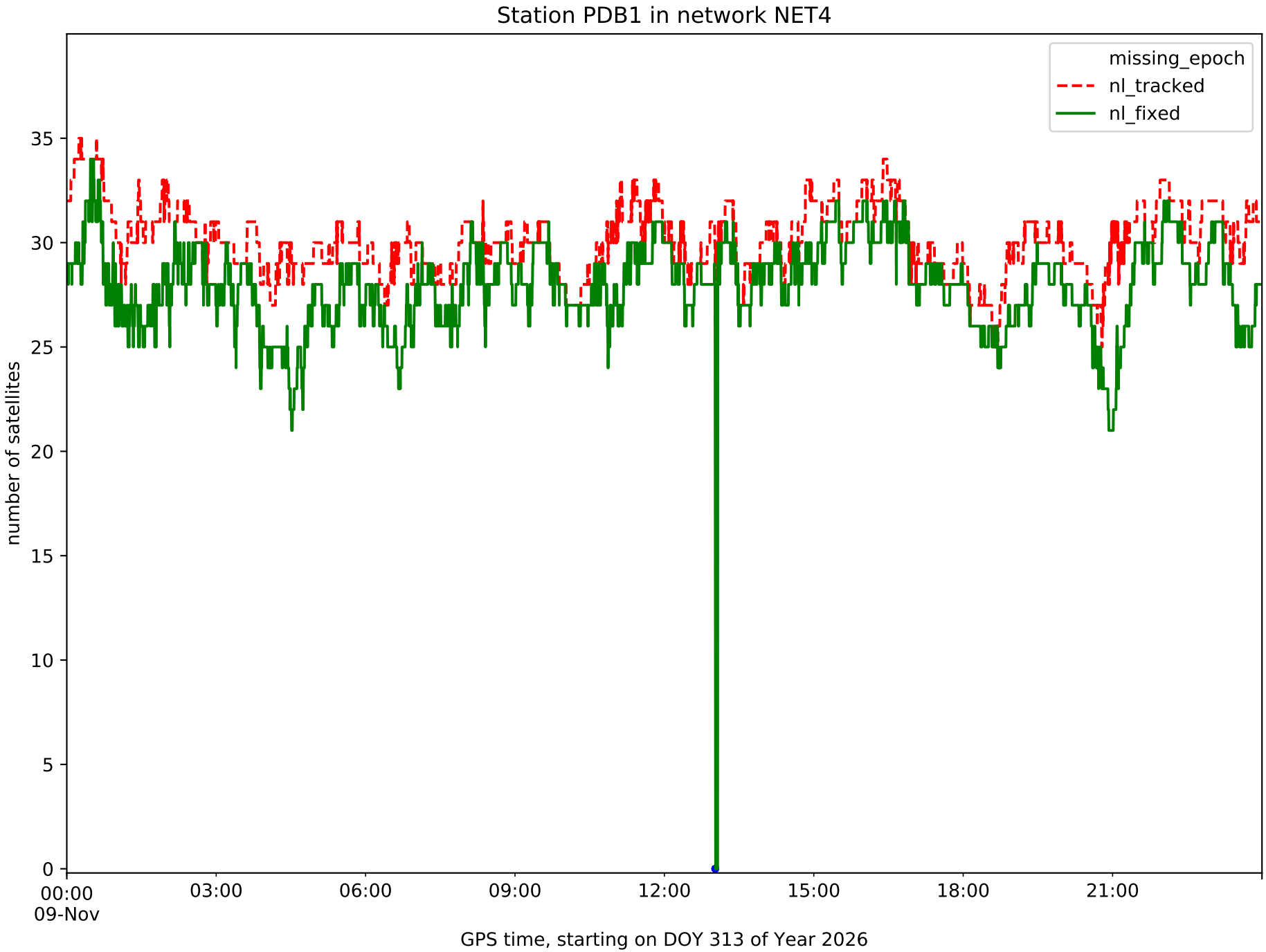

Station GUIJ in network NET4
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

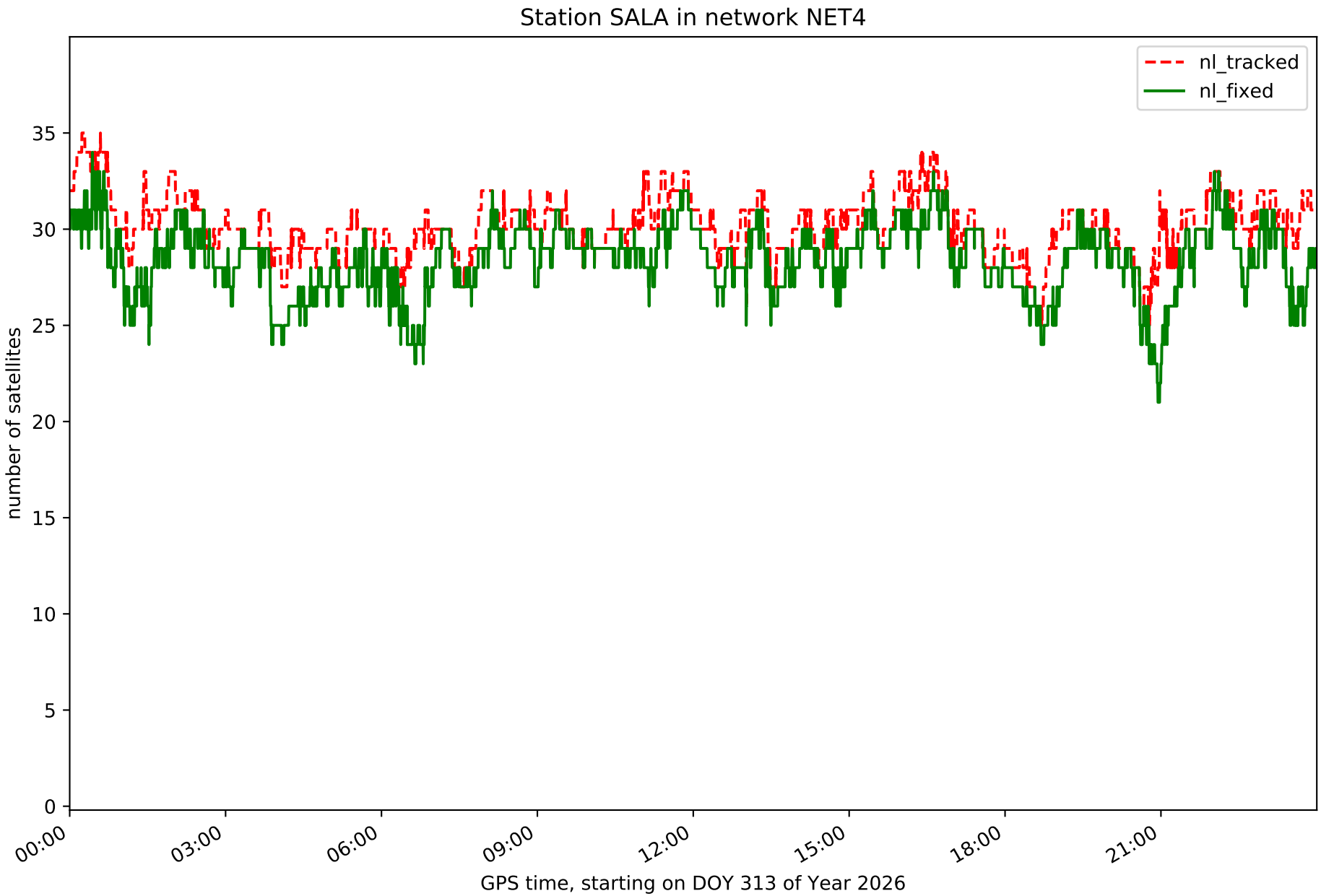

Station LERM in network NET4
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

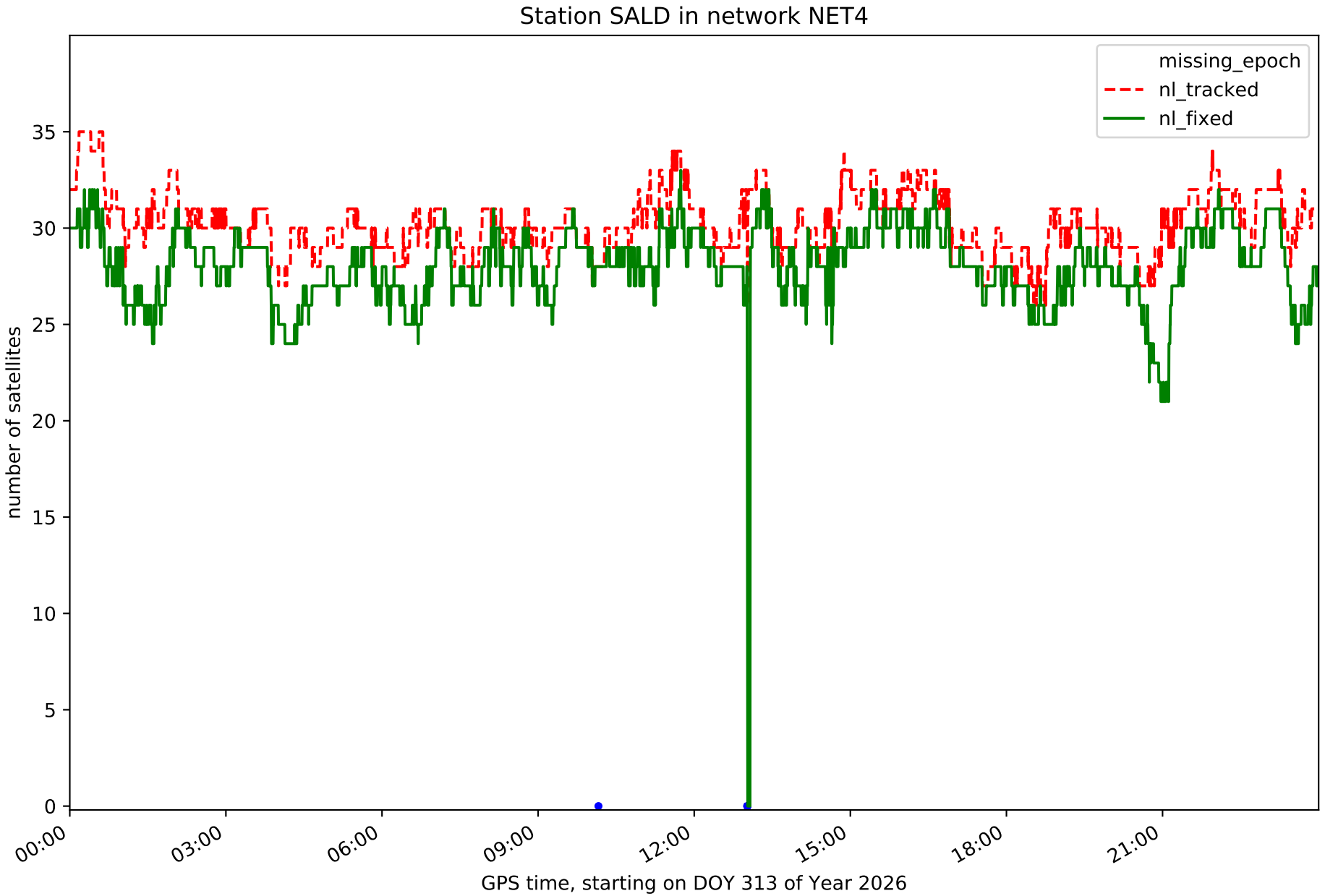

Station MDNR in network NET4
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

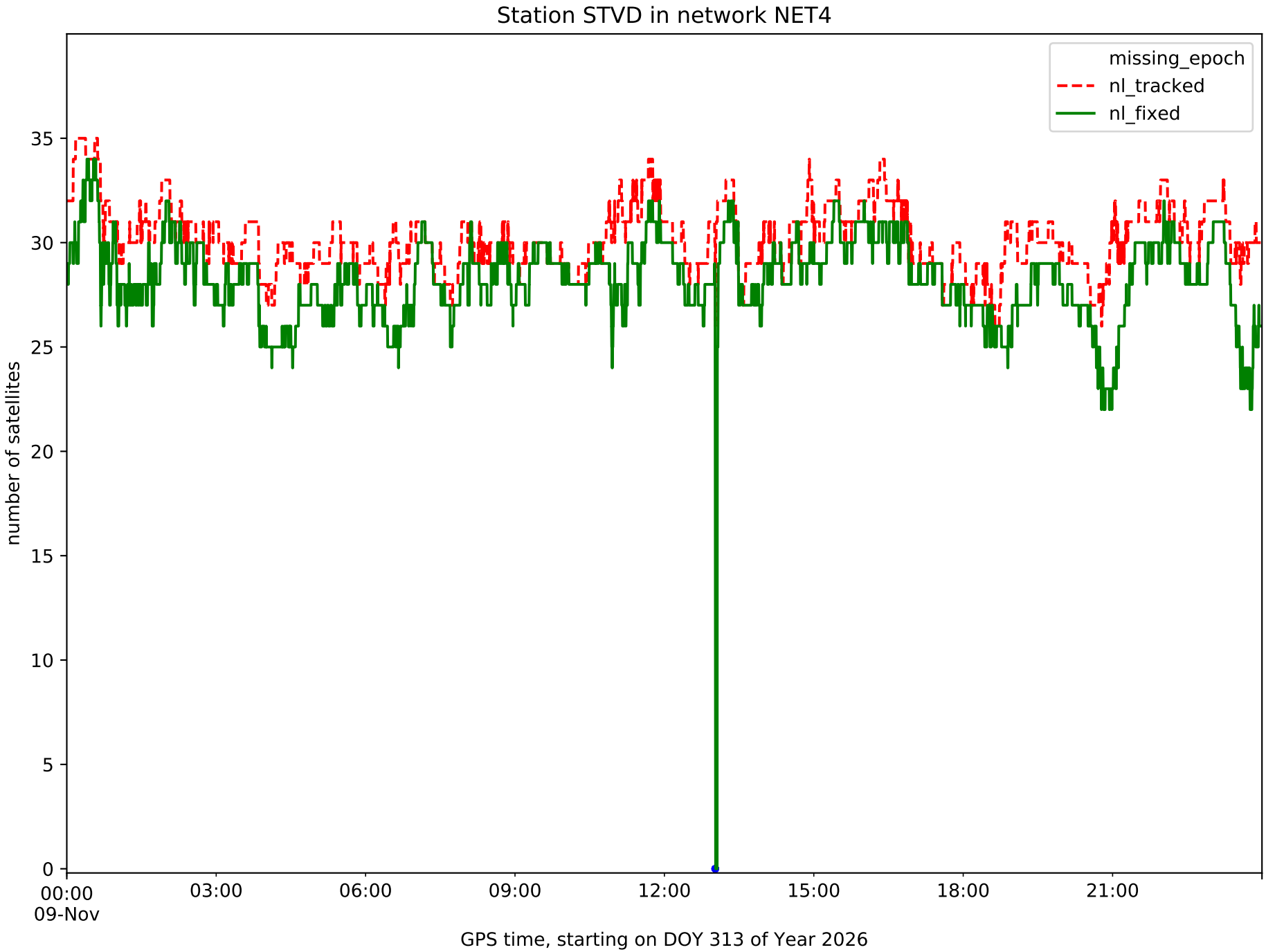

Station MYRG in network NET4
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

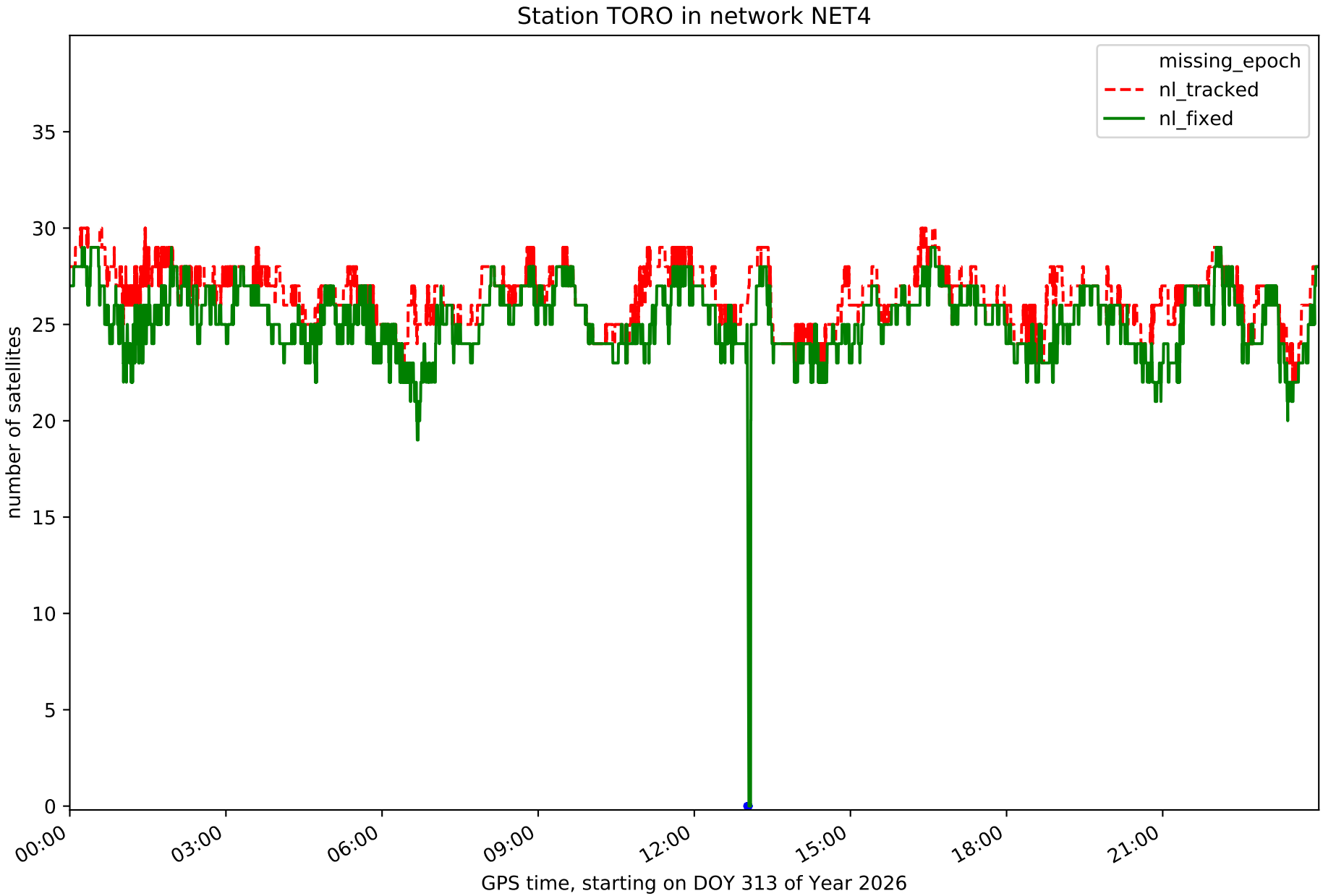

Station PALE in network NET4
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

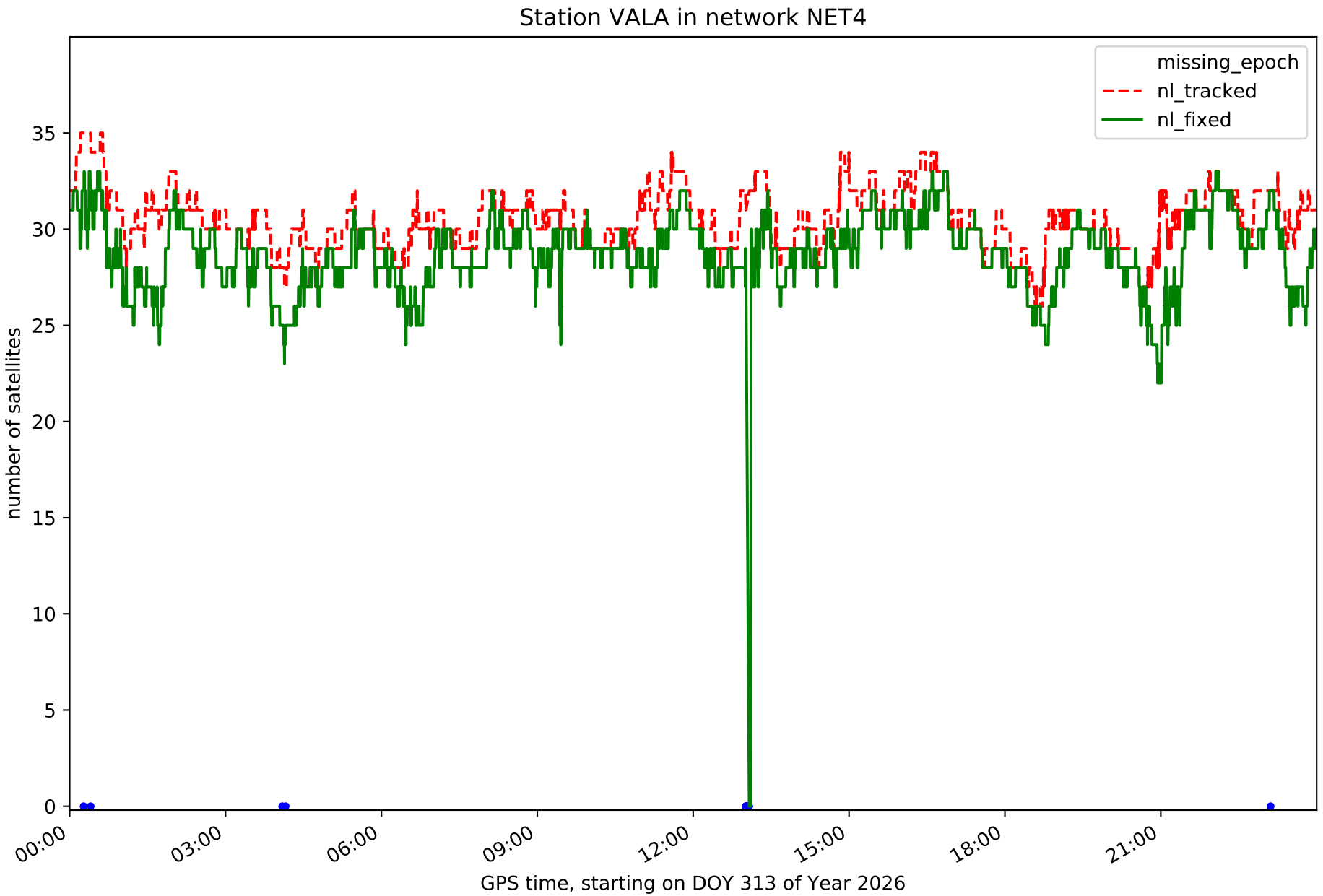

Station PDB1 in network NET4
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
09-Nov
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

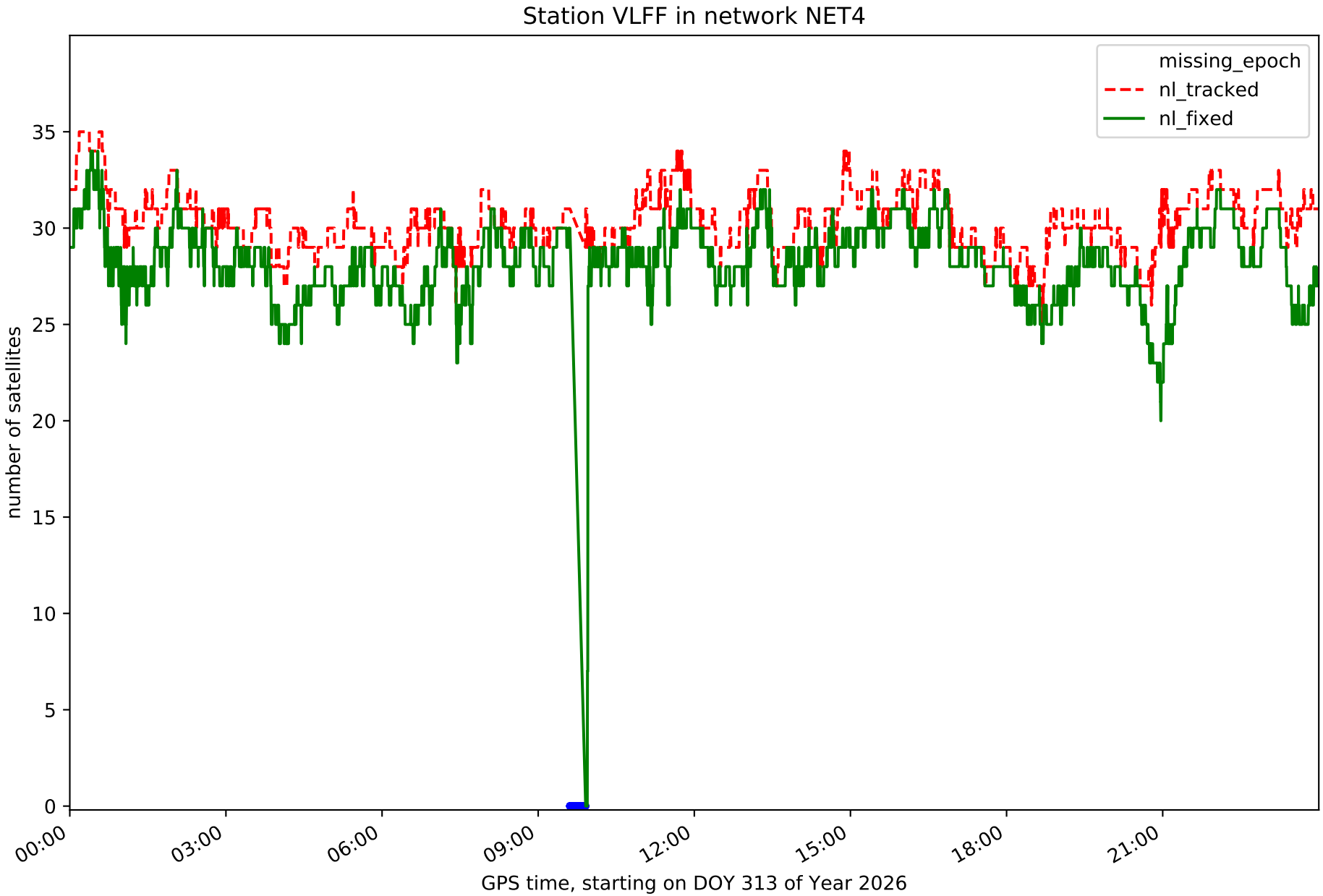

Station SALA in network NET4
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

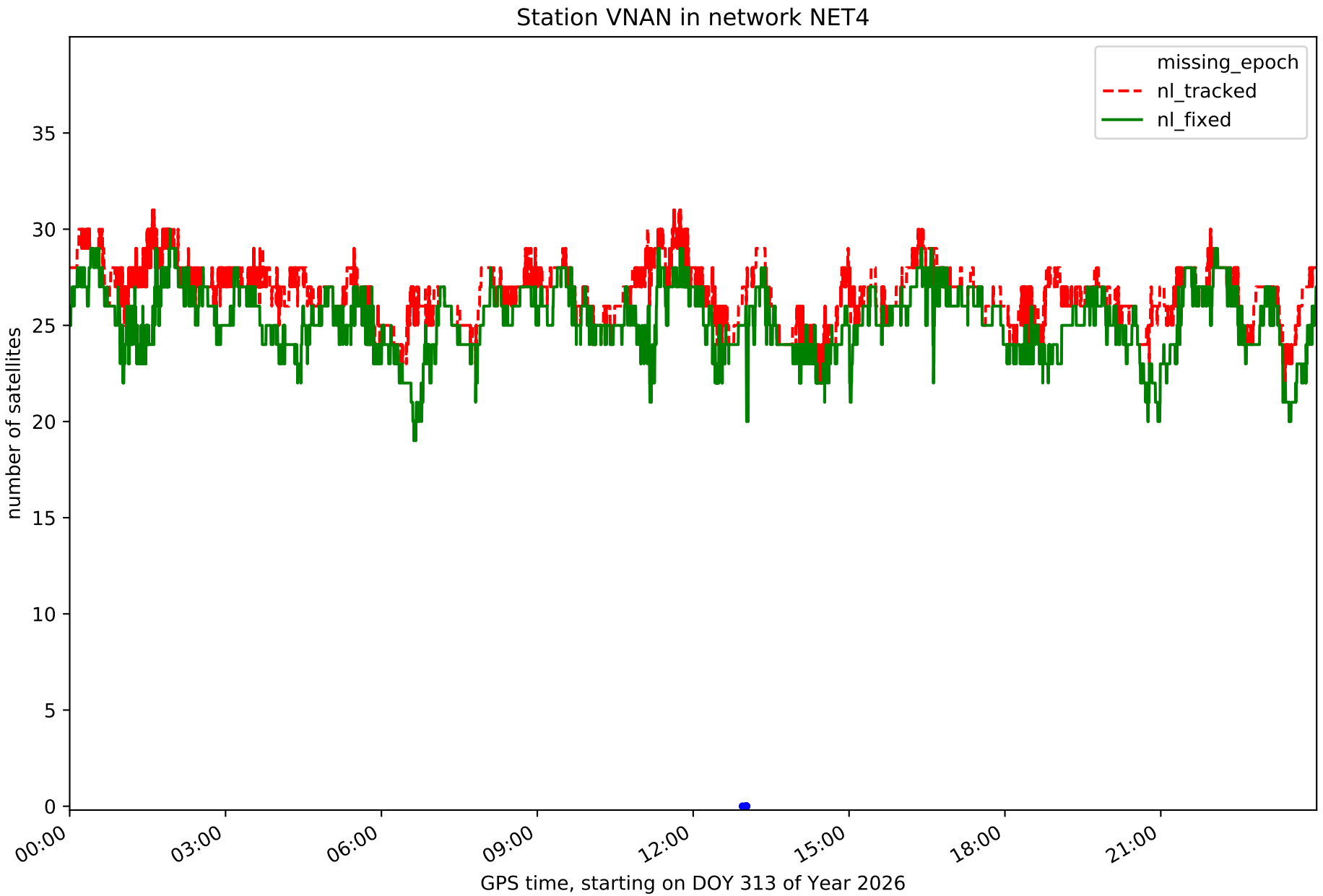

Station SALD in network NET4
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

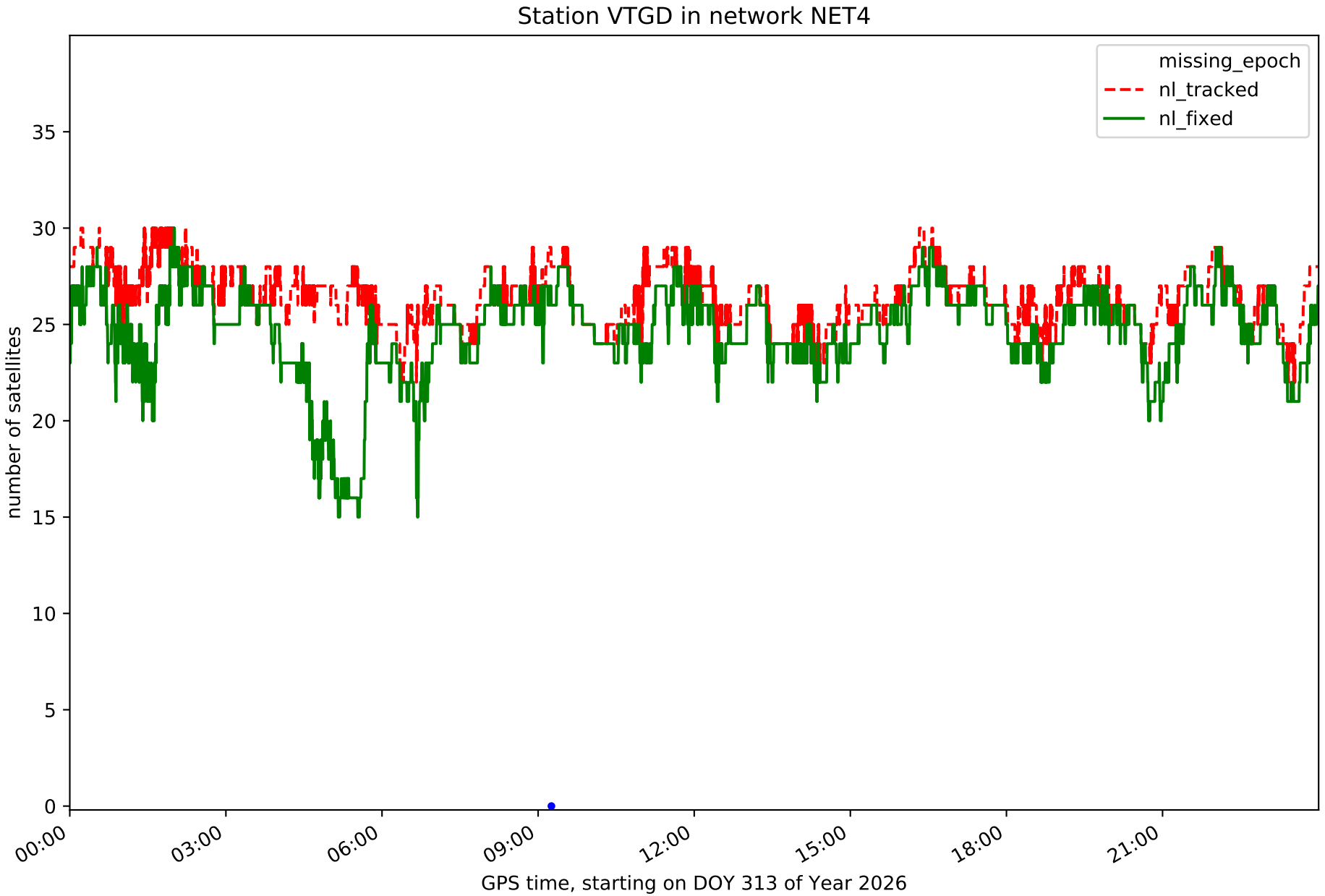

Station STVD in network NET4
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
09-Nov
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

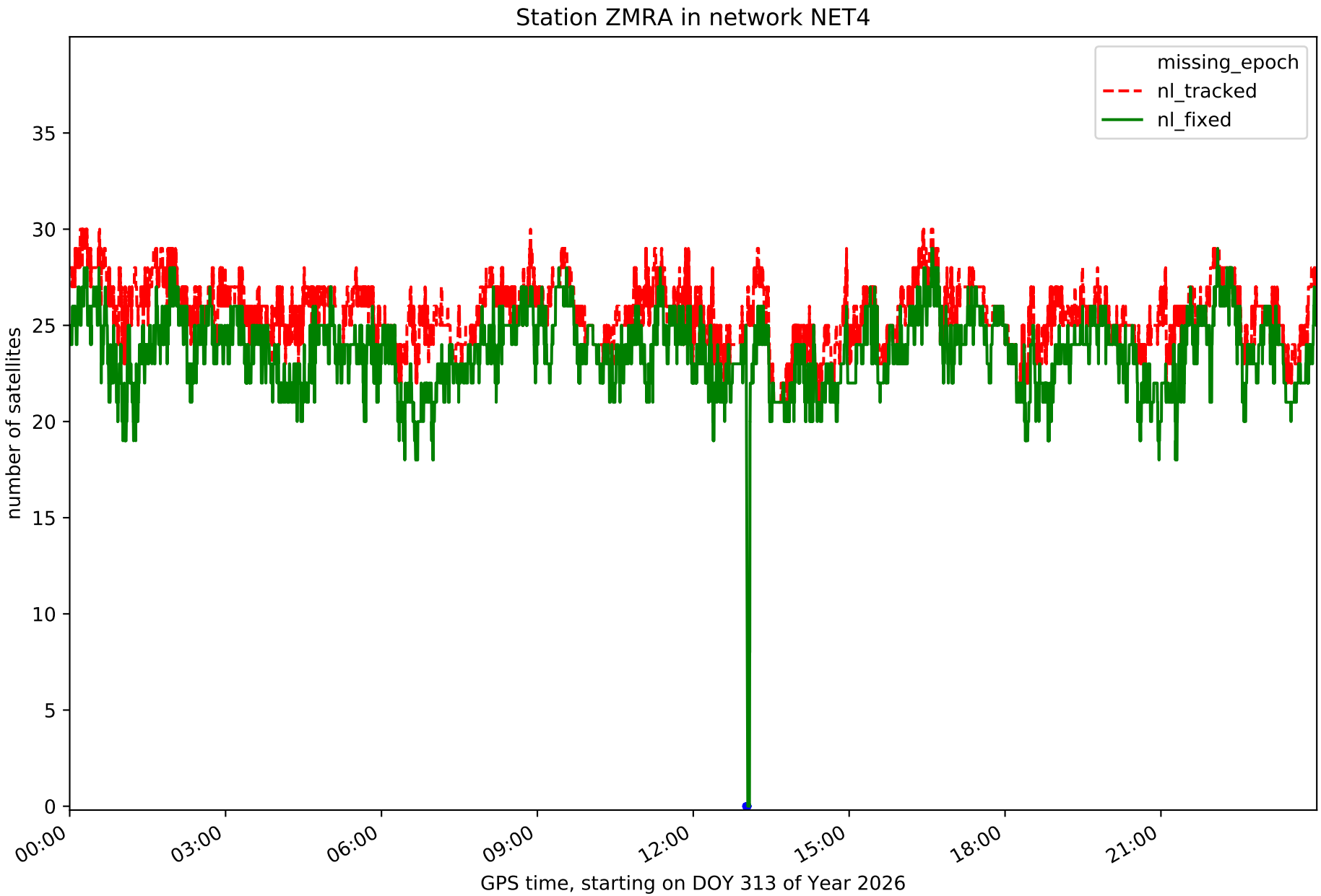

Station TORO in network NET4
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

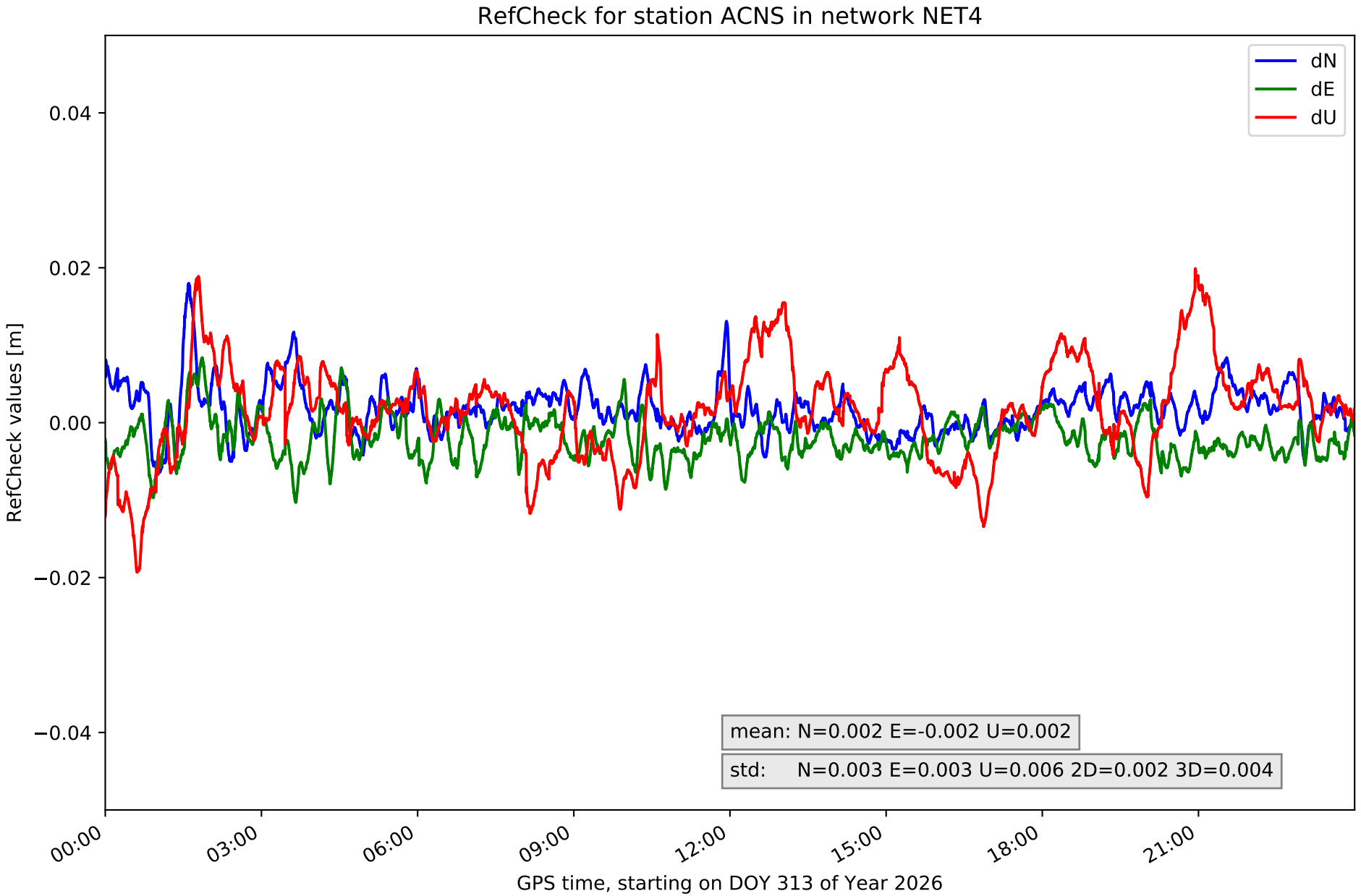

Station VALA in network NET4
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

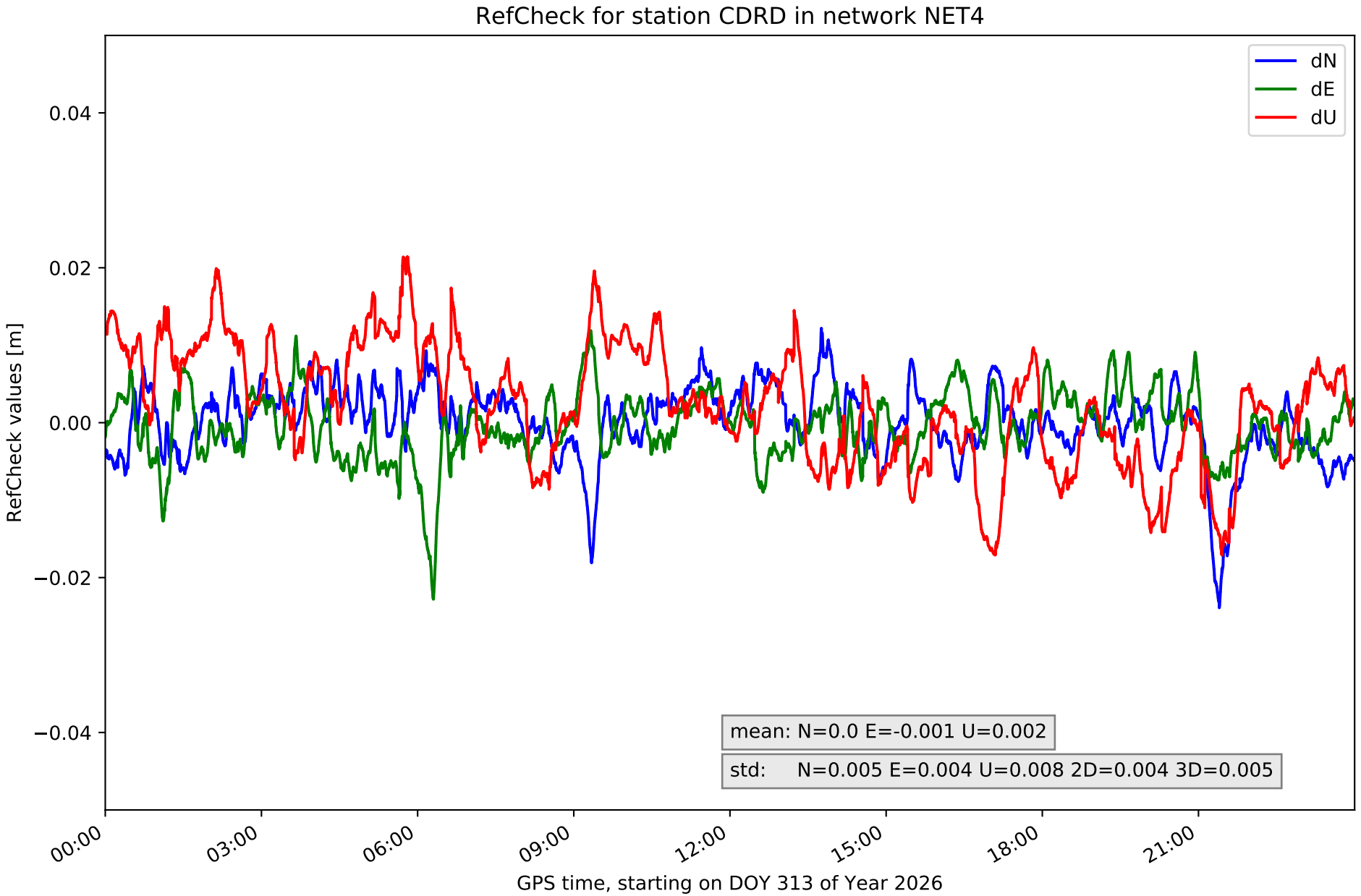

Station VLFF in network NET4
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

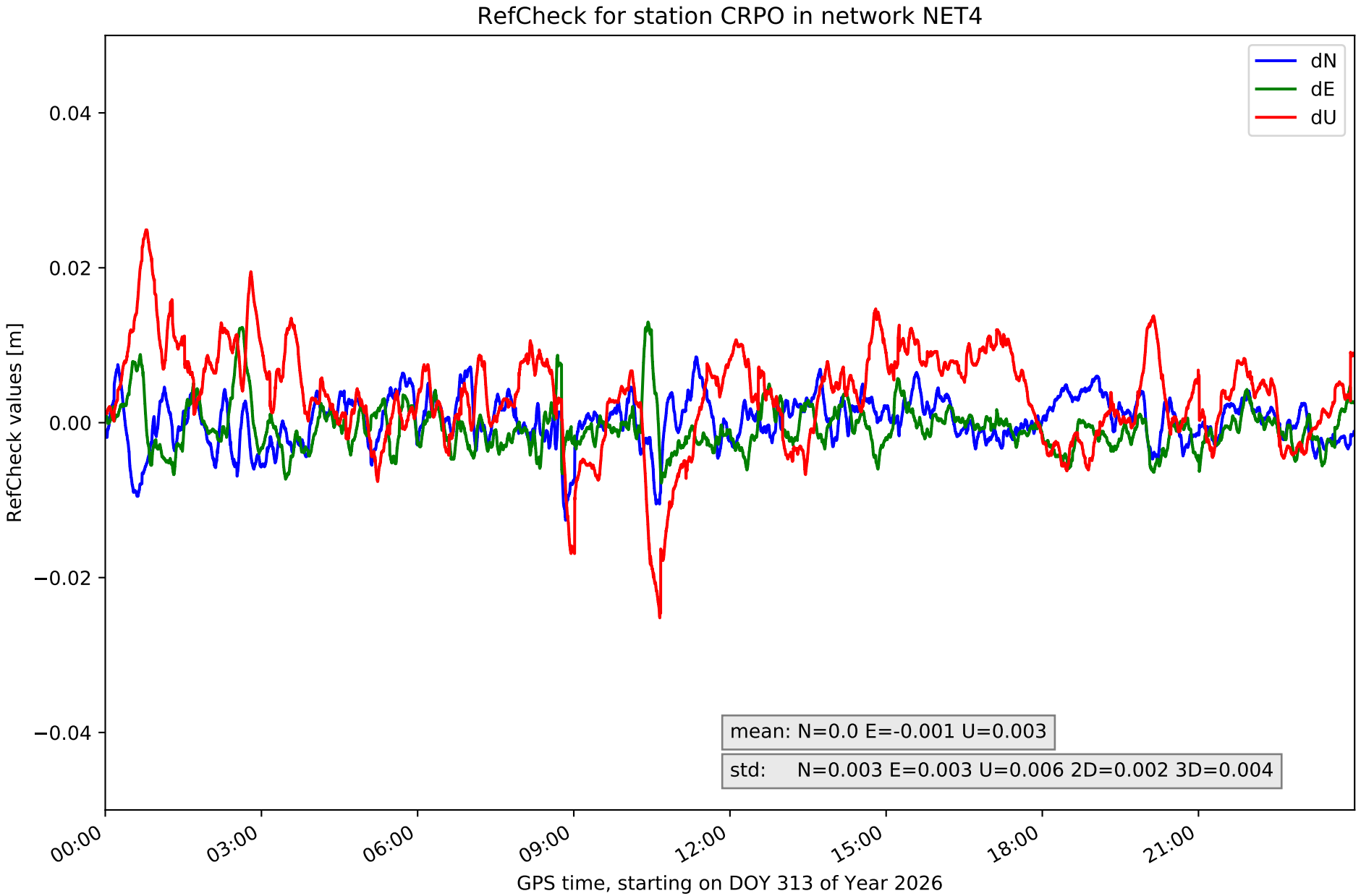

Station VNAN in network NET4
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

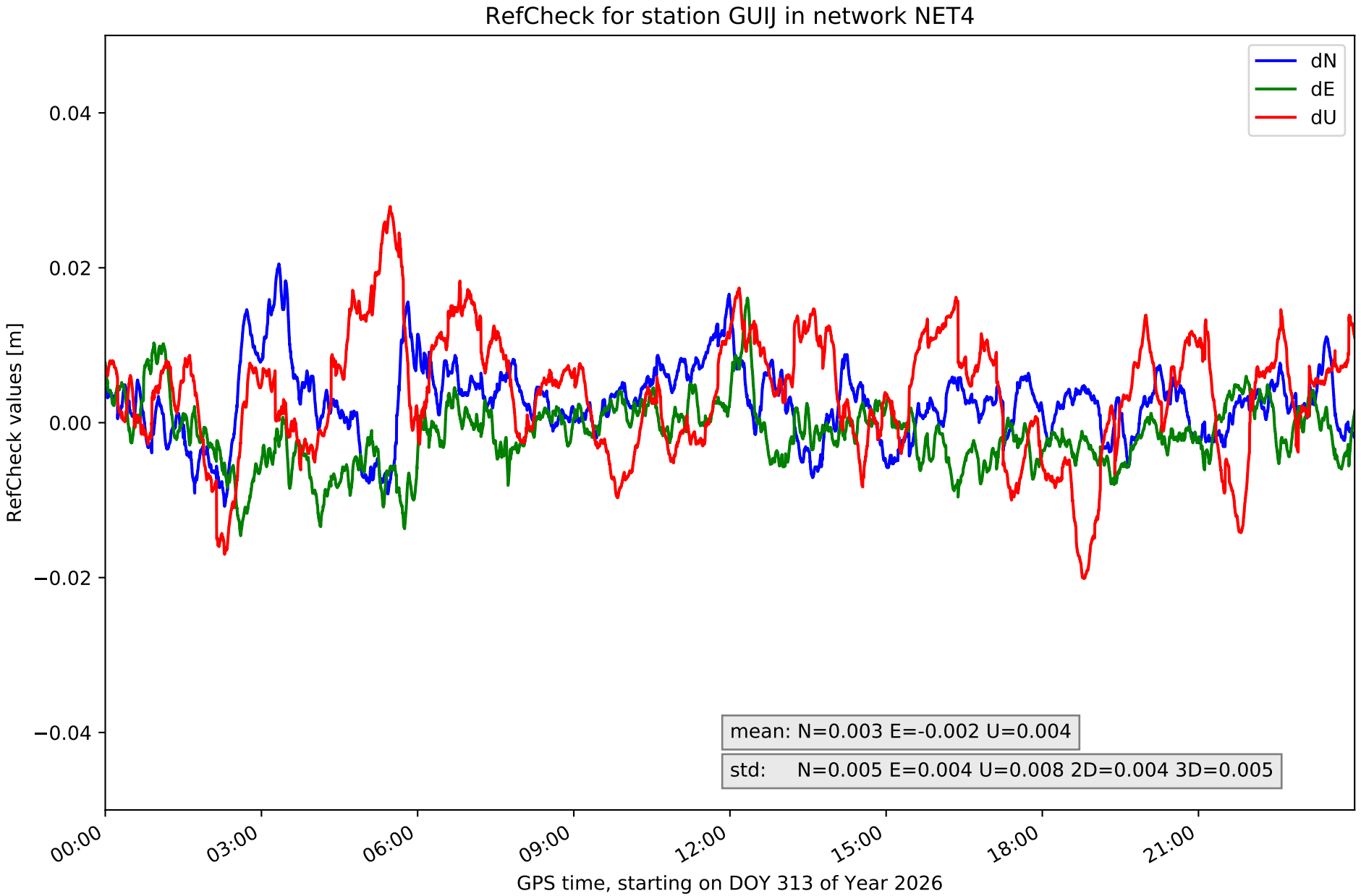

Station VTGD in network NET4
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

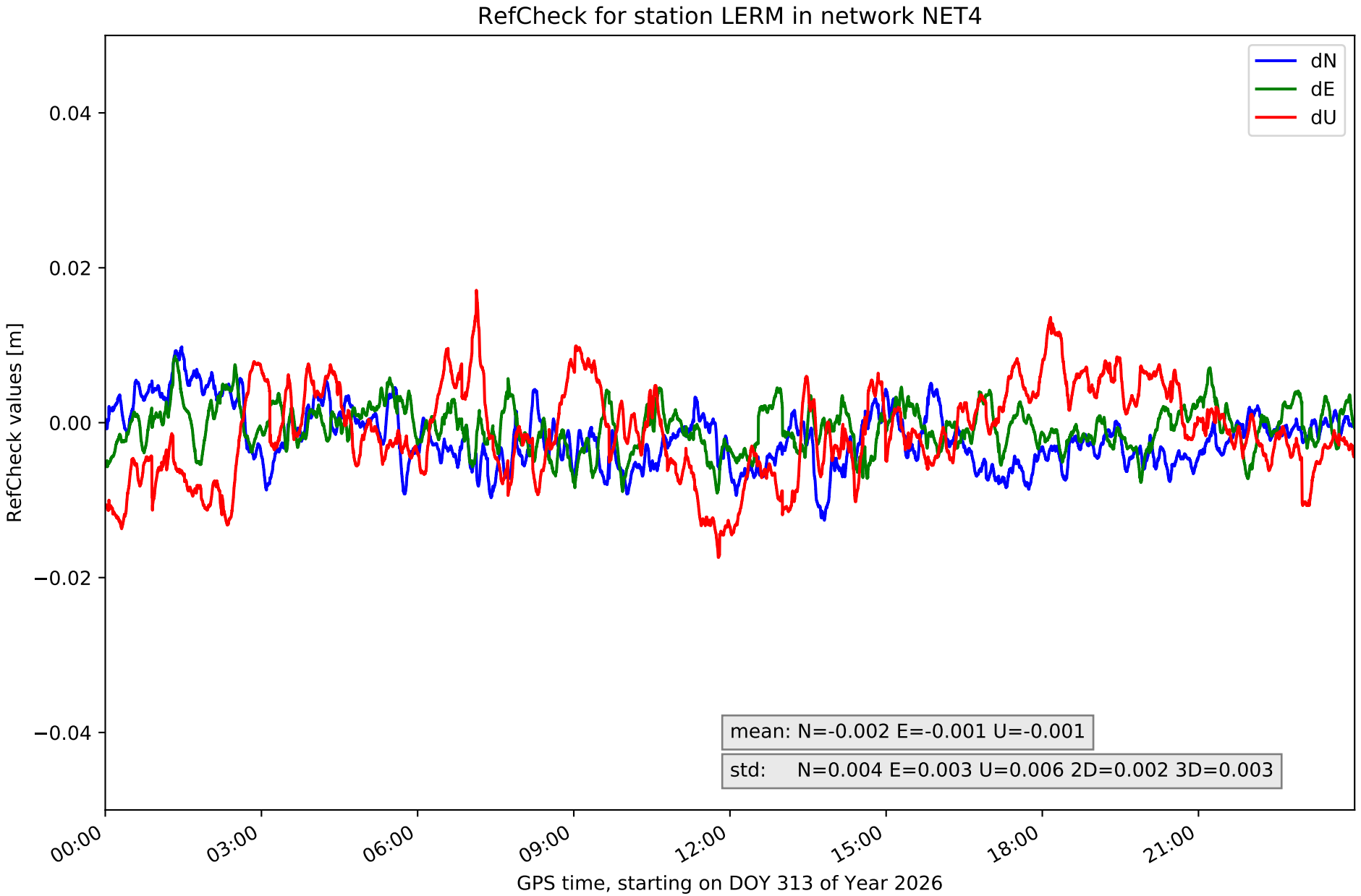

Station ZMRA in network NET4
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

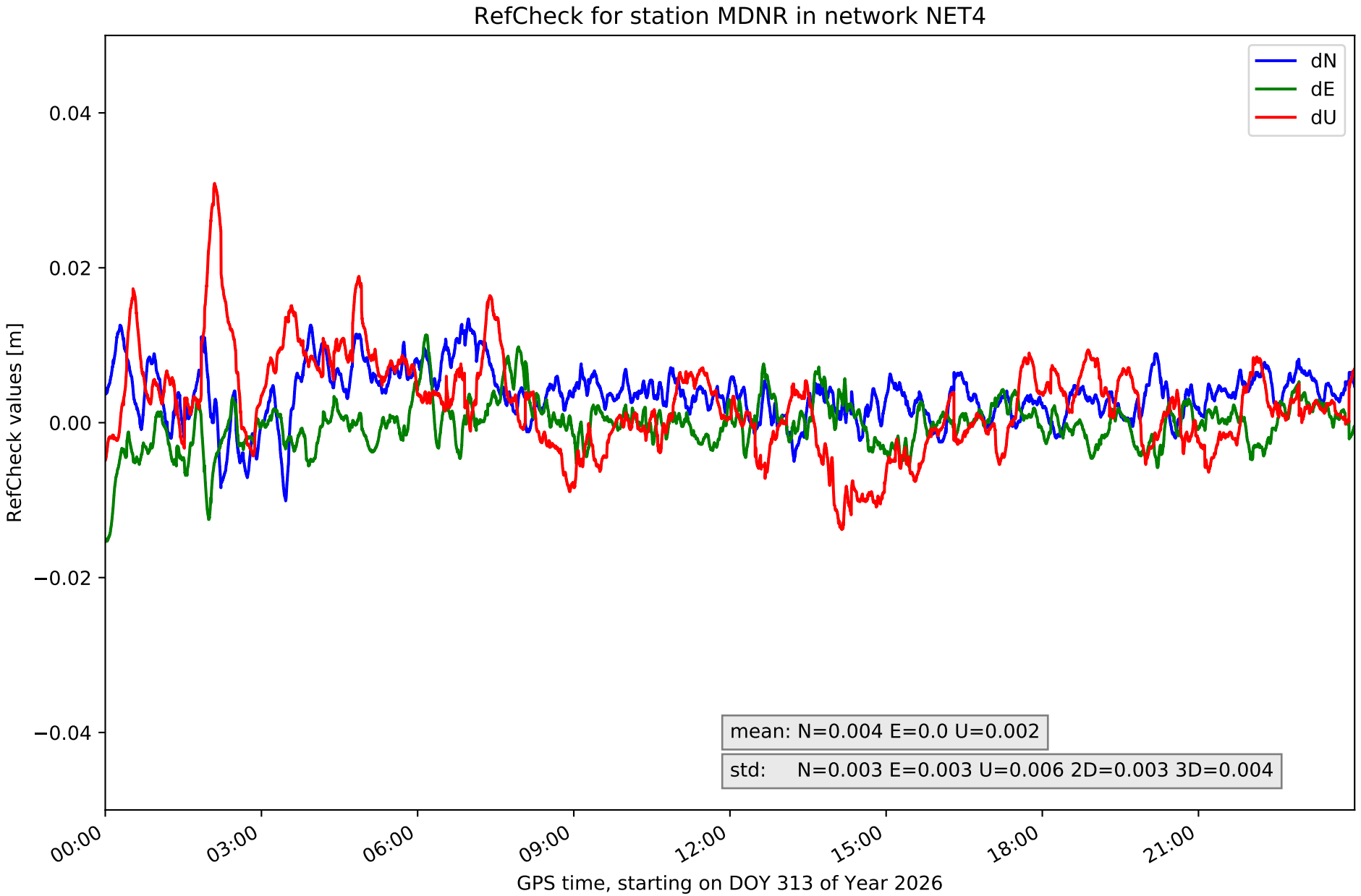

RefCheck for station ACNS in network NET4
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=-0.002 U=0.002
std: N=0.003 E=0.003 U=0.006 2D=0.002 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

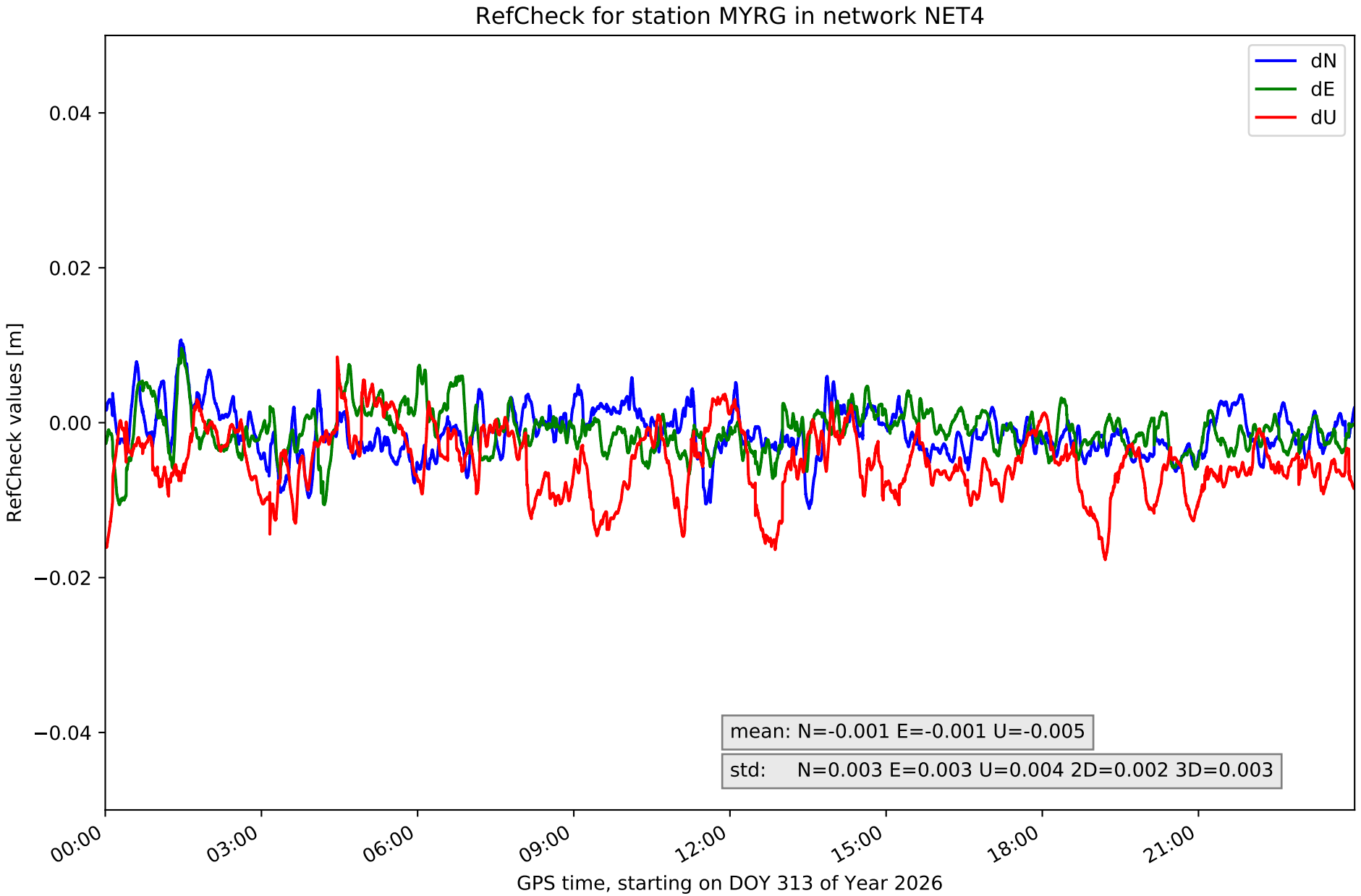

RefCheck for station CDRD in network NET4
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.0 E=-0.001 U=0.002
std: N=0.005 E=0.004 U=0.008 2D=0.004 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

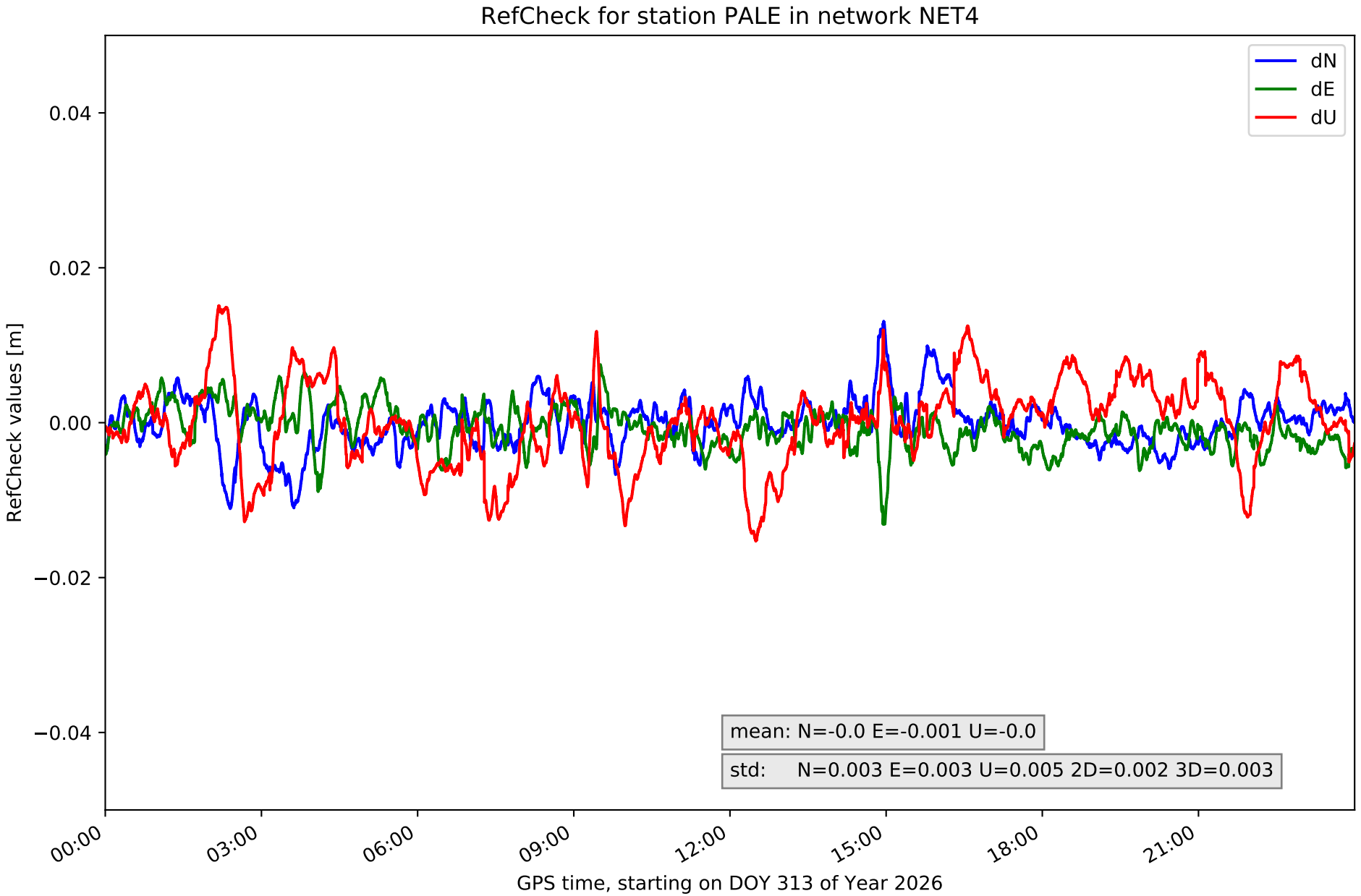

RefCheck for station CRPO in network NET4
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.0 E=-0.001 U=0.003
std: N=0.003 E=0.003 U=0.006 2D=0.002 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

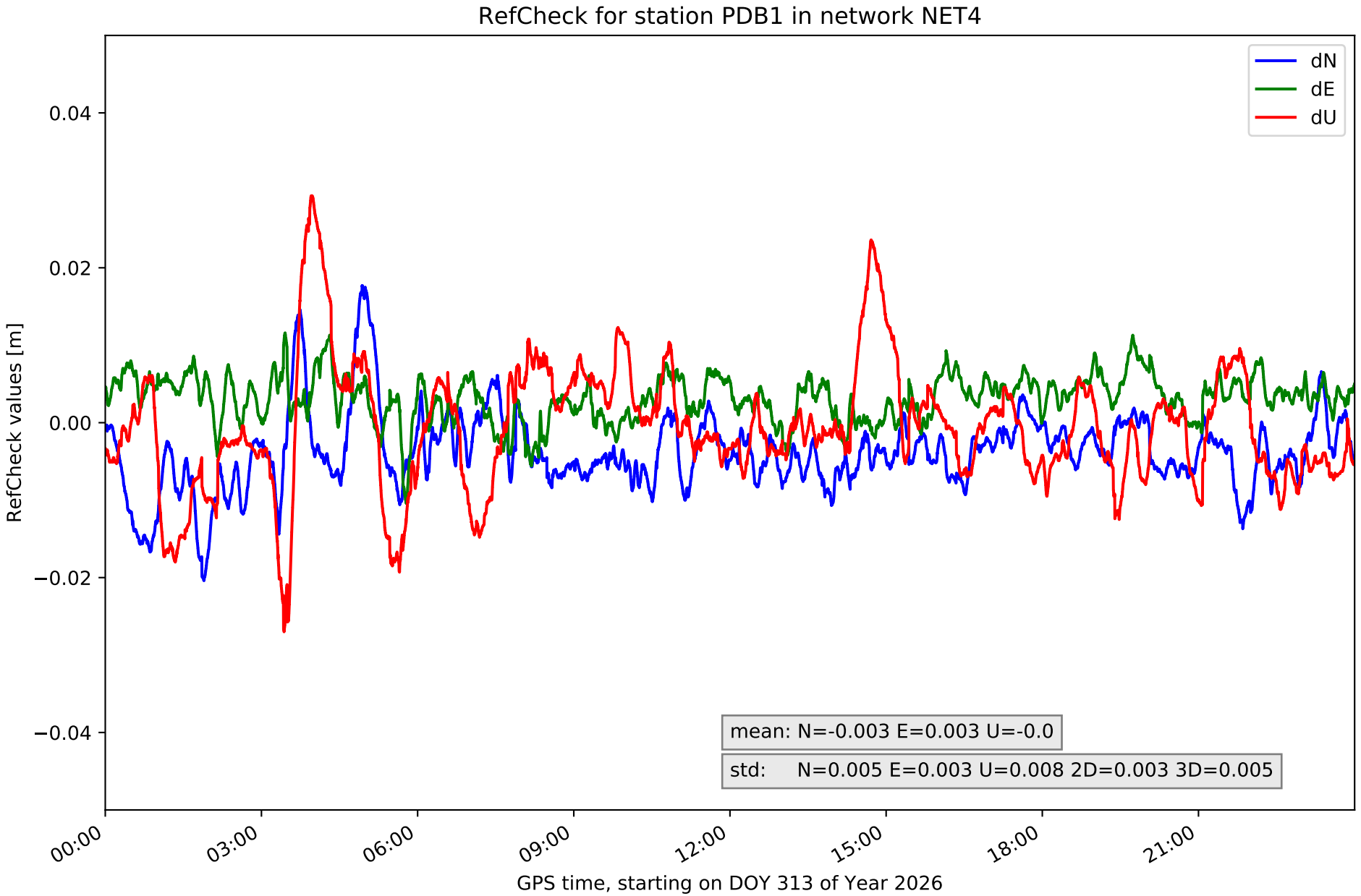

RefCheck for station GUIJ in network NET4
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.003 E=-0.002 U=0.004
std: N=0.005 E=0.004 U=0.008 2D=0.004 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

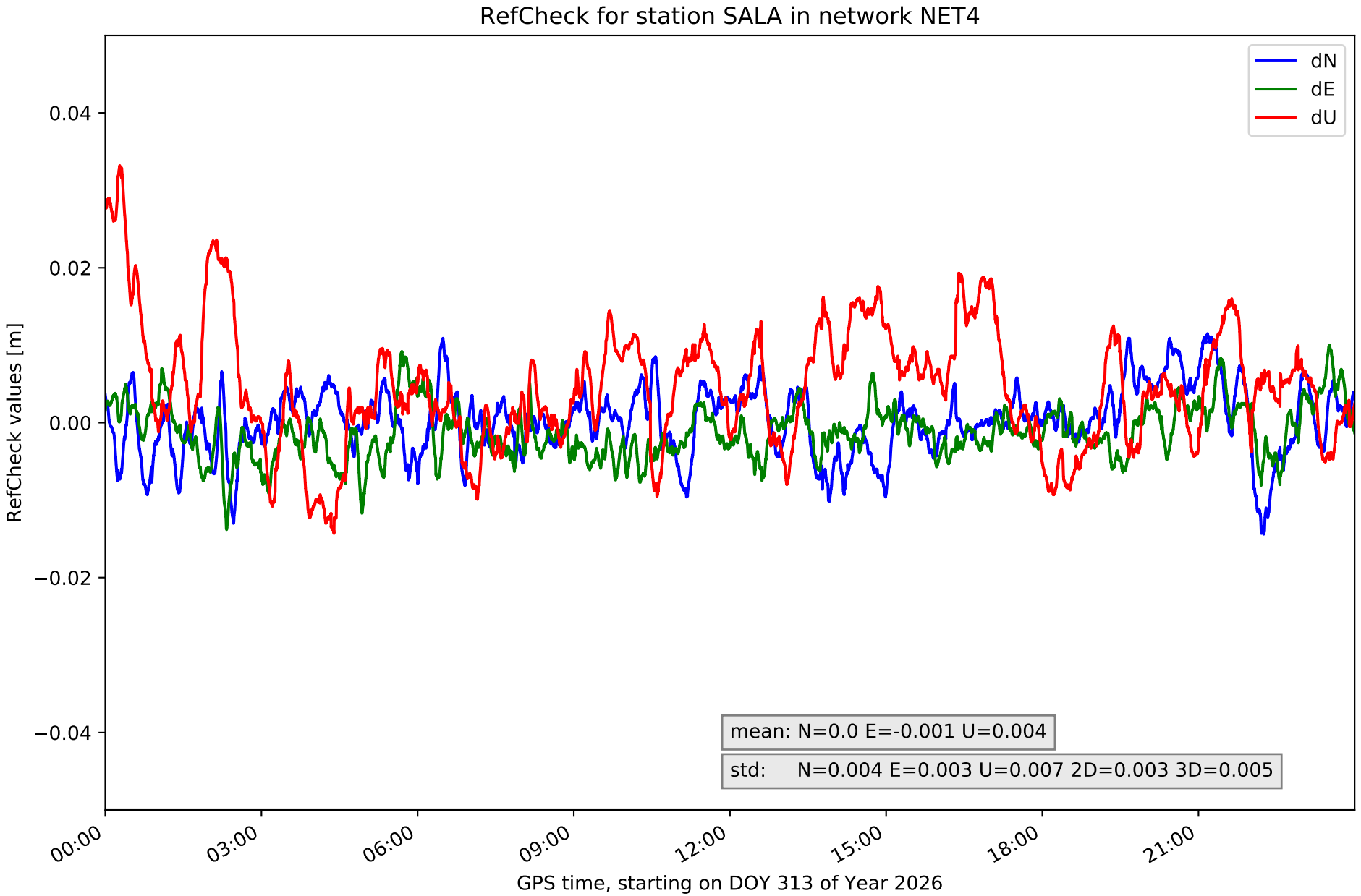

RefCheck for station LERM in network NET4
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.002 E=-0.001 U=-0.001
std: N=0.004 E=0.003 U=0.006 2D=0.002 3D=0.003
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

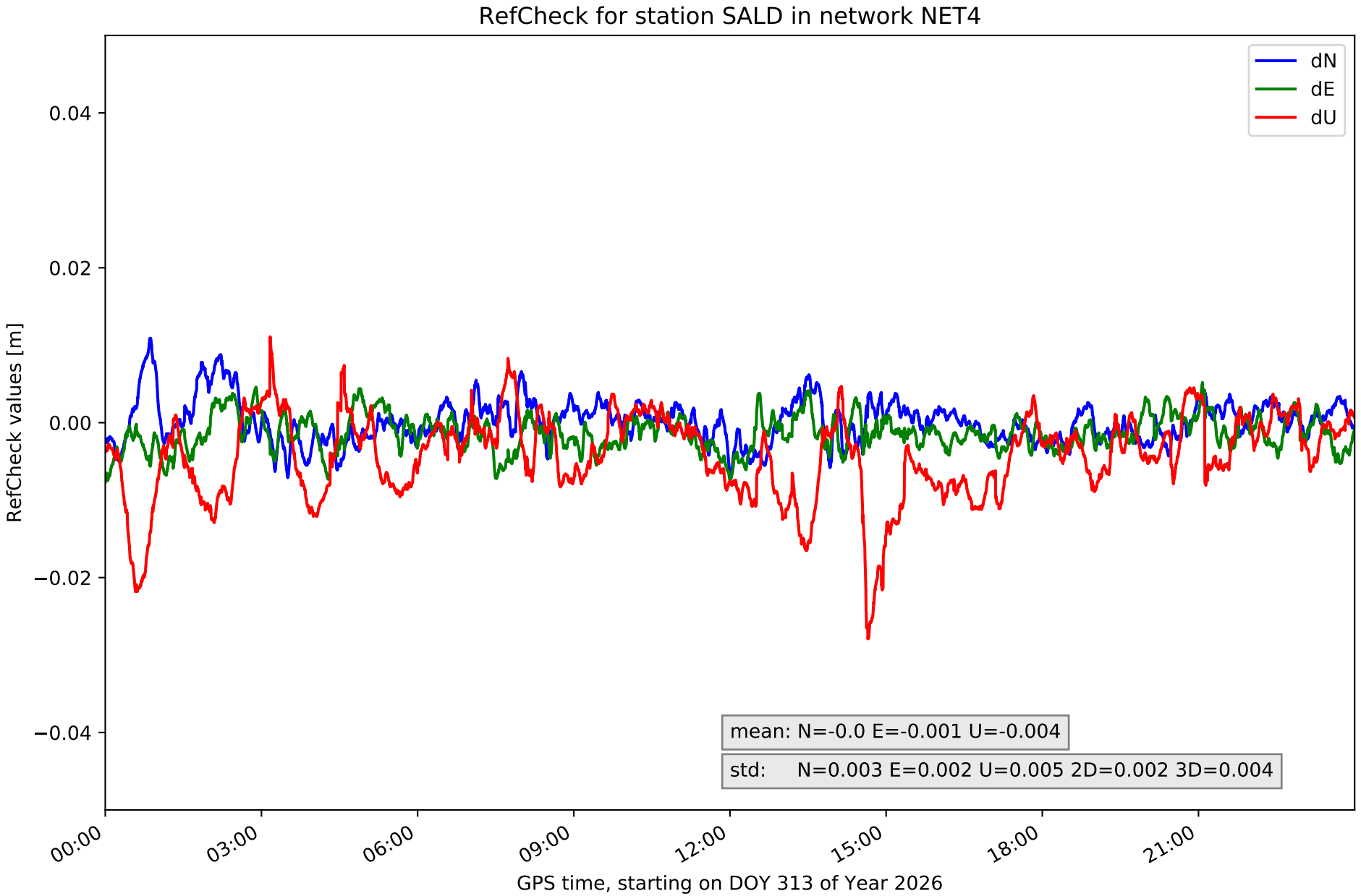

RefCheck for station MDNR in network NET4
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.004 E=0.0 U=0.002
std: N=0.003 E=0.003 U=0.006 2D=0.003 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

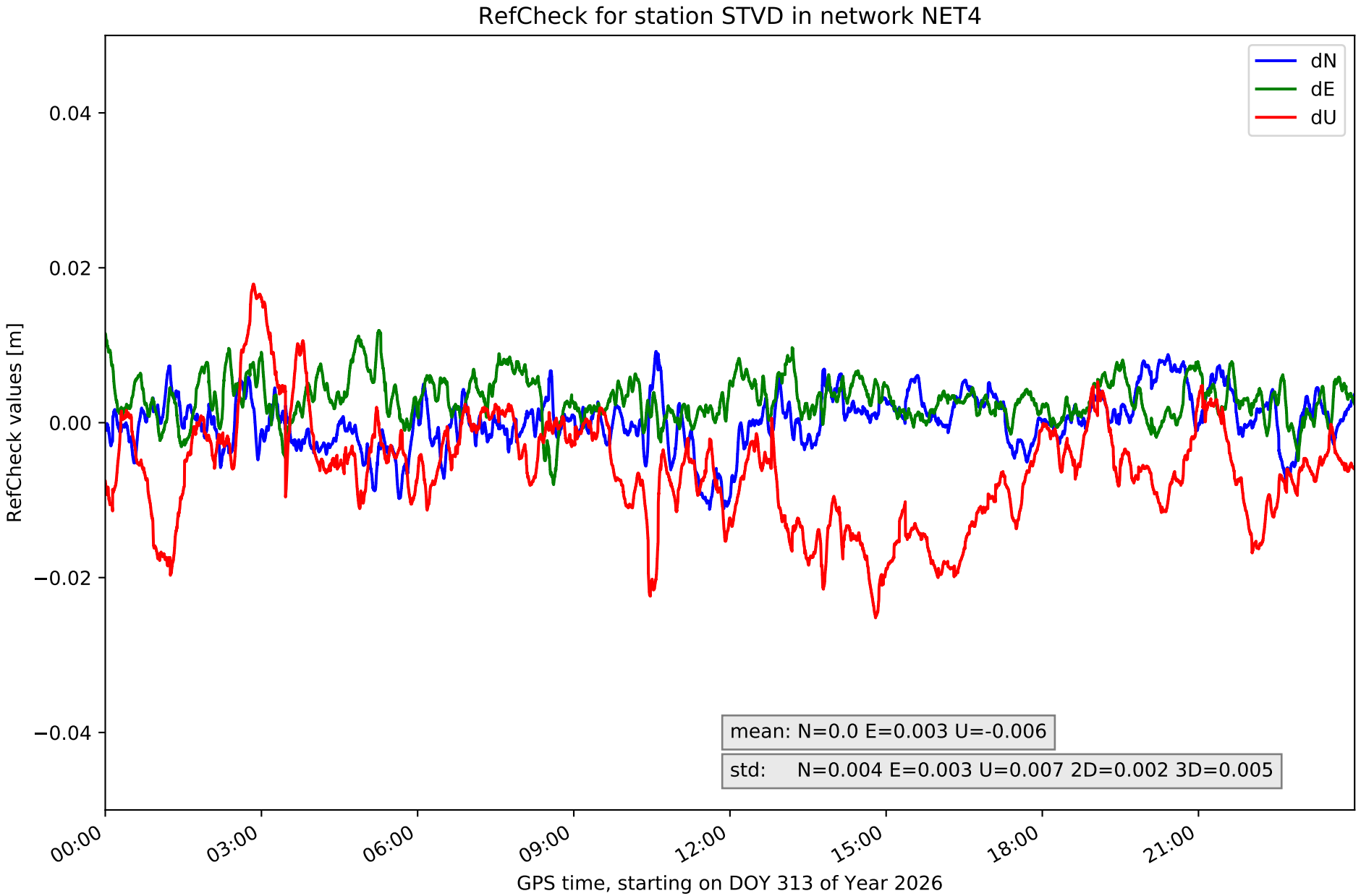

RefCheck for station MYRG in network NET4
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.001 E=-0.001 U=-0.005
std: N=0.003 E=0.003 U=0.004 2D=0.002 3D=0.003
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

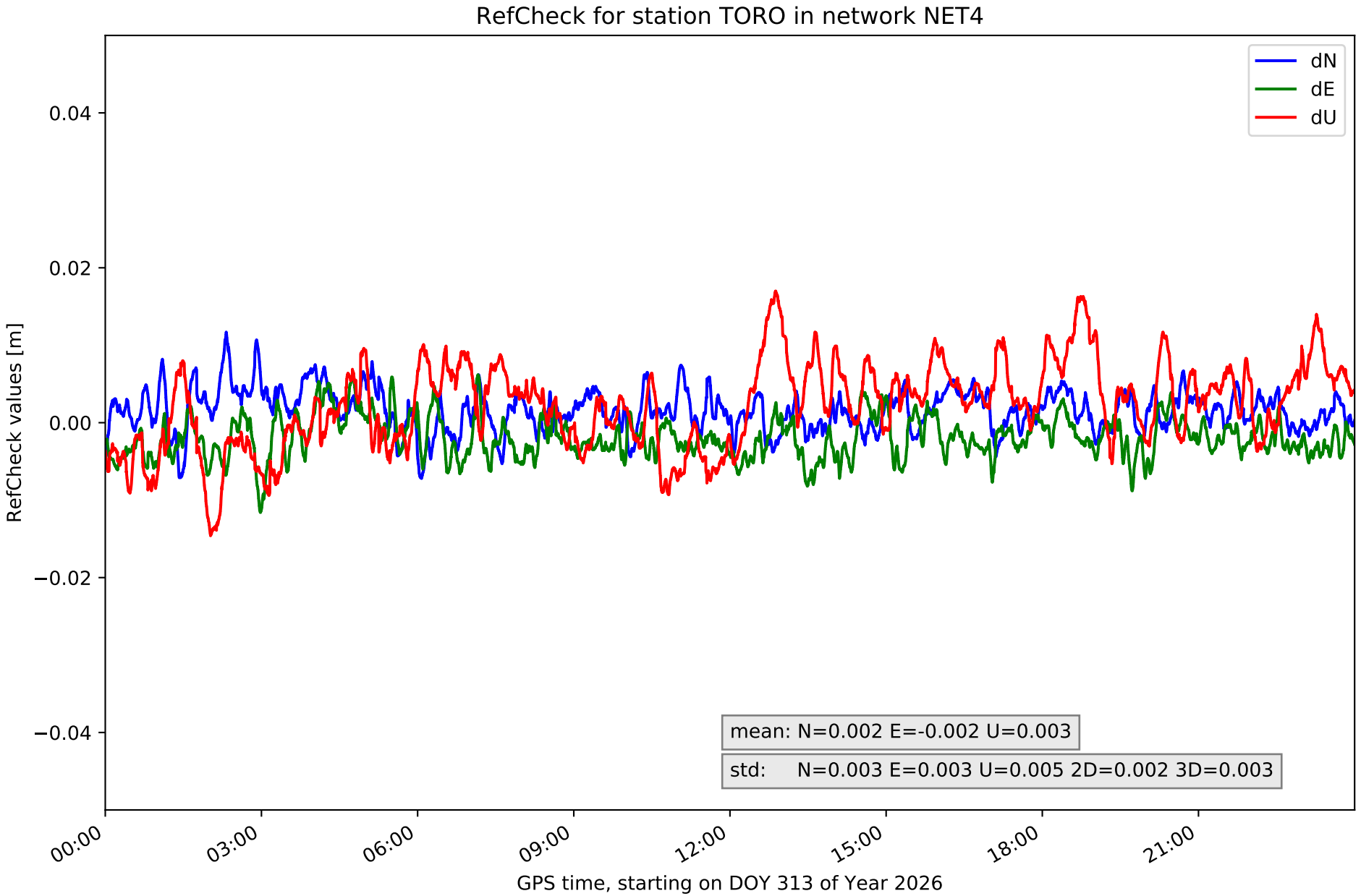

RefCheck for station PALE in network NET4
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.0 E=-0.001 U=-0.0
std: N=0.003 E=0.003 U=0.005 2D=0.002 3D=0.003
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

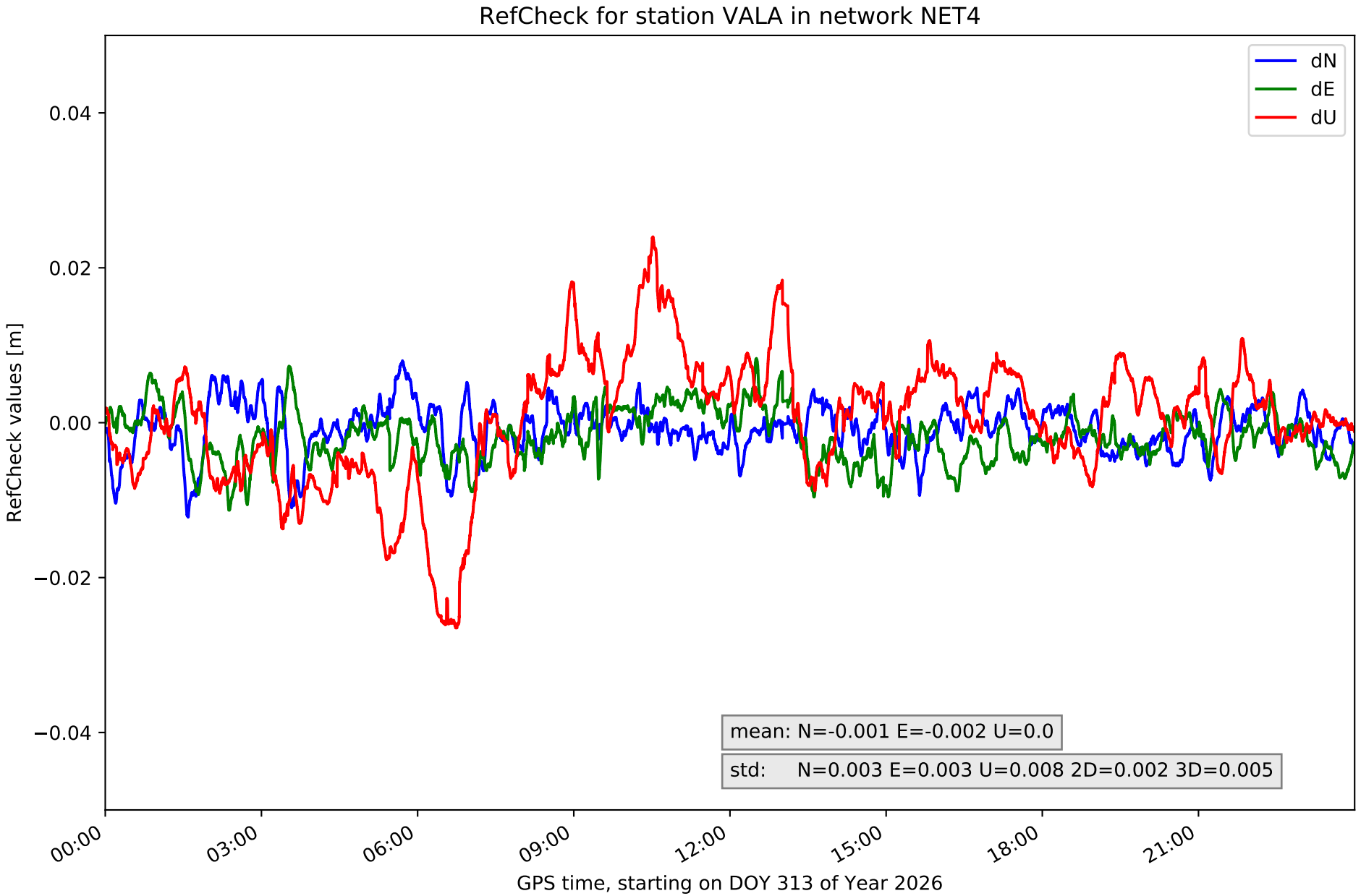

RefCheck for station PDB1 in network NET4
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.003 E=0.003 U=-0.0
std: N=0.005 E=0.003 U=0.008 2D=0.003 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

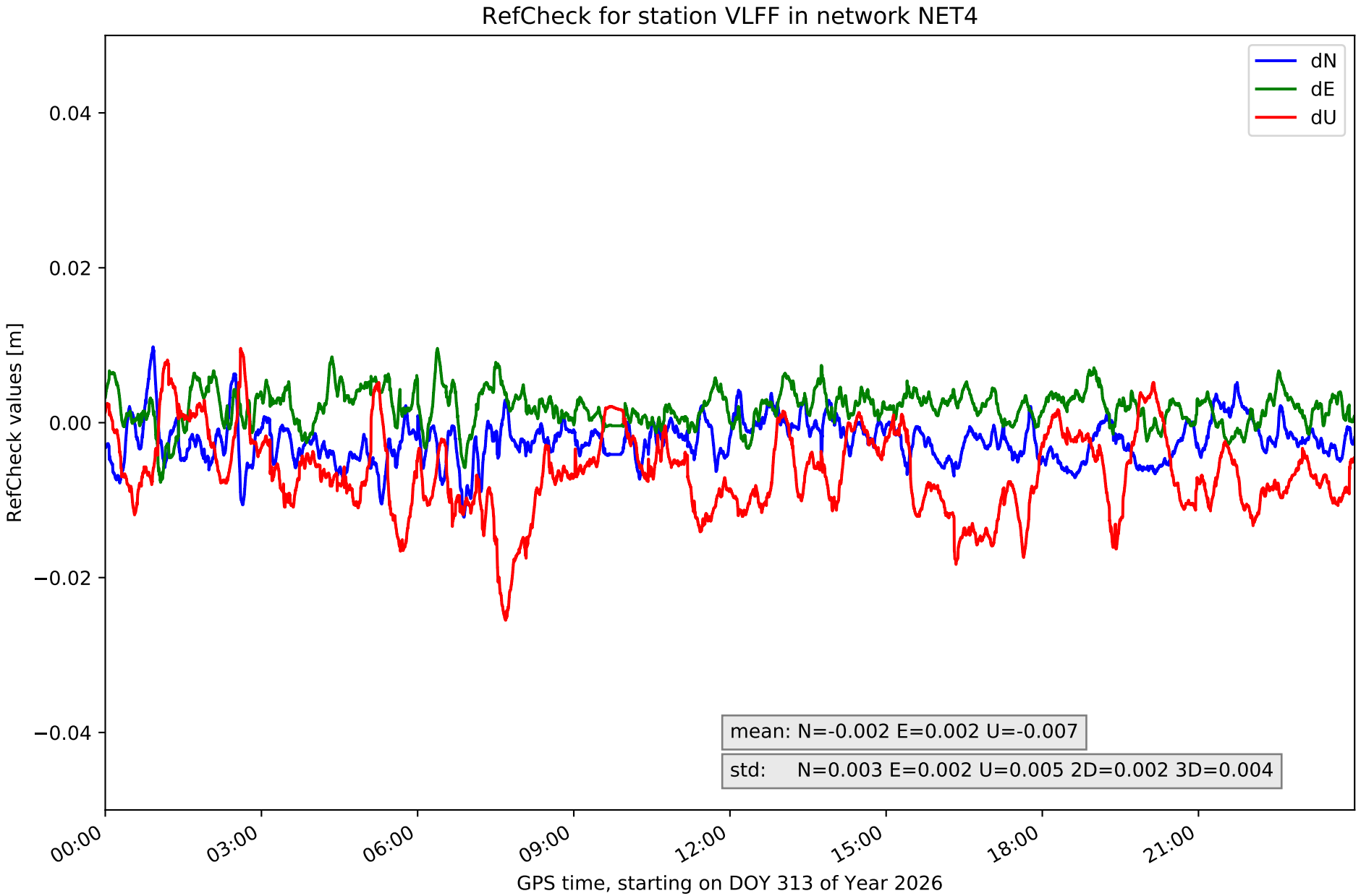

RefCheck for station SALA in network NET4
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.0 E=-0.001 U=0.004
std: N=0.004 E=0.003 U=0.007 2D=0.003 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

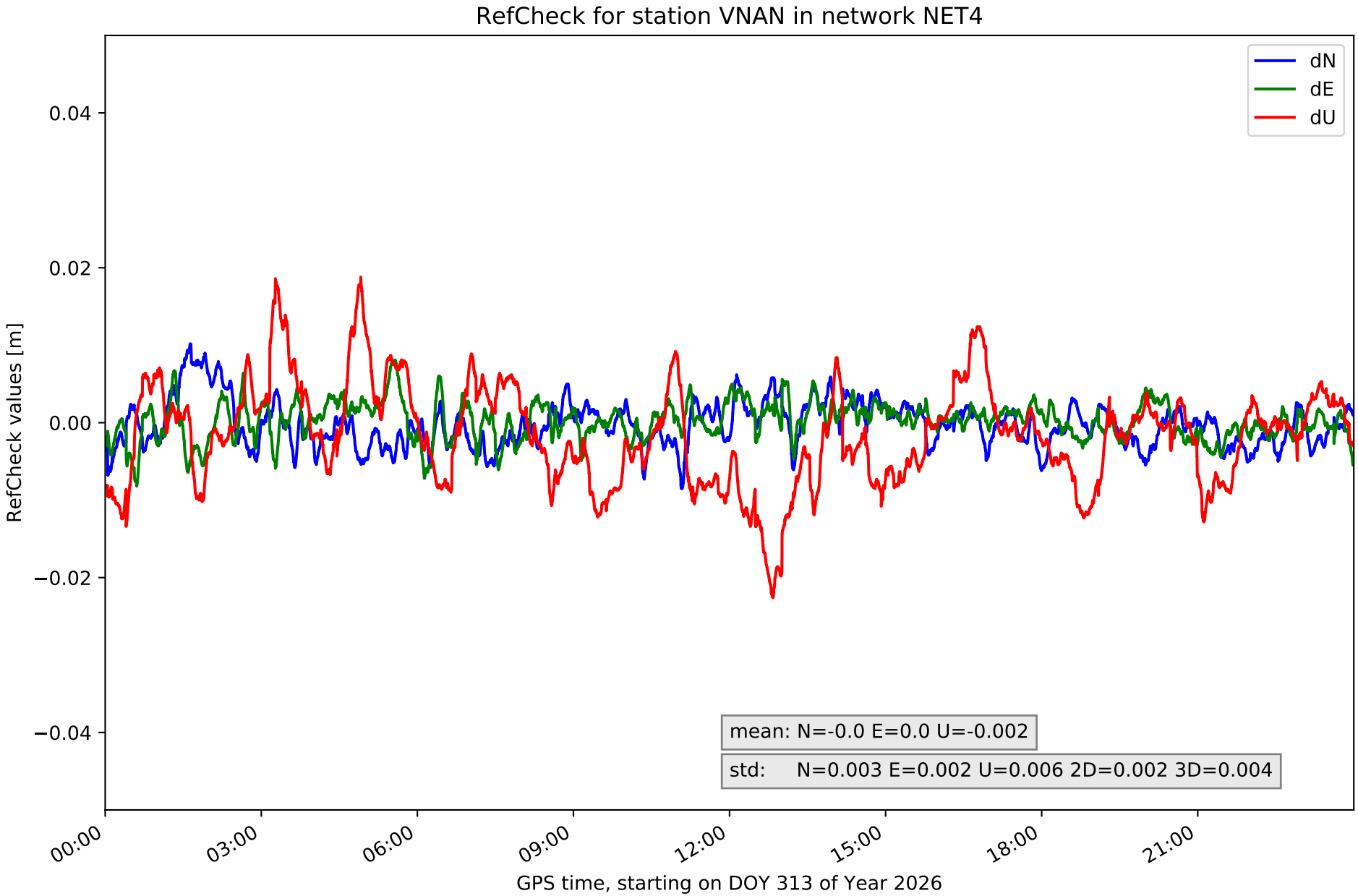

RefCheck for station SALD in network NET4
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.0 E=-0.001 U=-0.004
std: N=0.003 E=0.002 U=0.005 2D=0.002 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

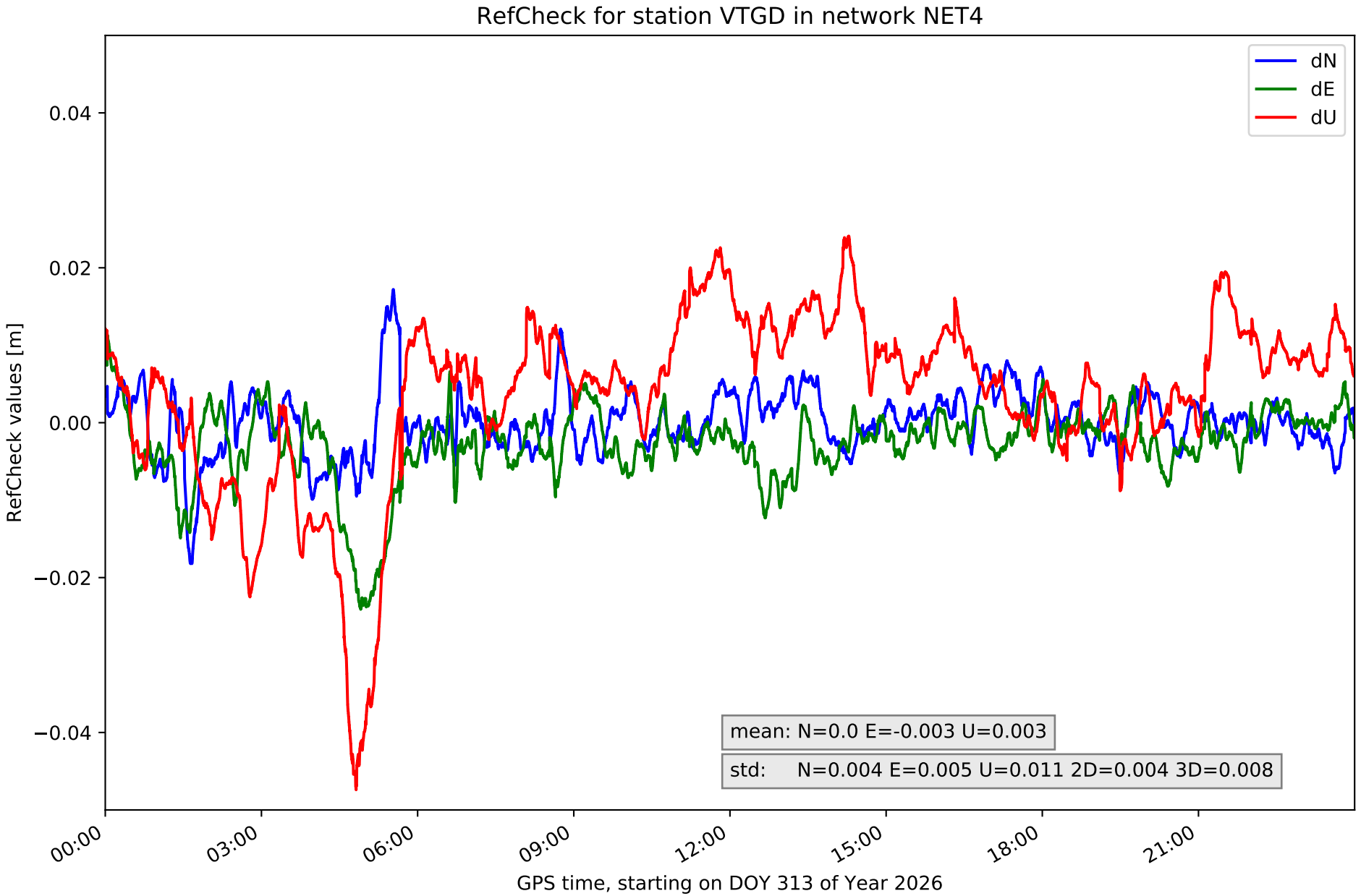

RefCheck for station STVD in network NET4
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.0 E=0.003 U=-0.006
std: N=0.004 E=0.003 U=0.007 2D=0.002 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026

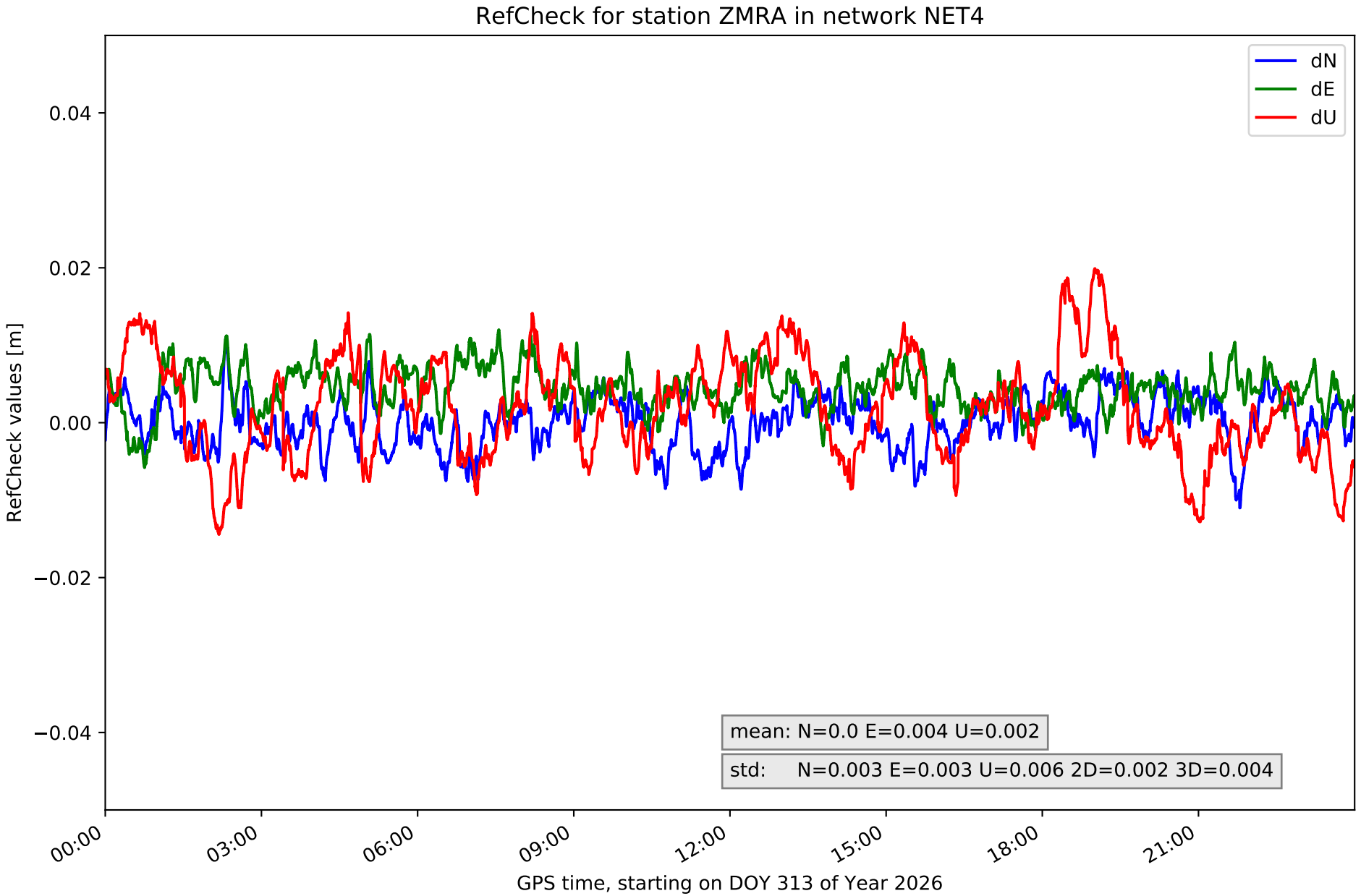

RefCheck for station TORO in network NET4
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=-0.002 U=0.003
std: N=0.003 E=0.003 U=0.005 2D=0.002 3D=0.003
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026


RefCheck for station VALA in network NET4
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.001 E=-0.002 U=0.0
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 313 of Year 2026


RefCheck for station VLFF in network NET4
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.002 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 313 of Year 2026


RefCheck for station VNAN in network NET4
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.0 E=0.0 U=-0.002
std: N=0.003 E=0.002 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 313 of Year 2026


RefCheck for station VTGD in network NET4
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.0 E=-0.003 U=0.003
std: N=0.004 E=0.005 U=0.011 2D=0.004 3D=0.008
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 313 of Year 2026


RefCheck for station ZMRA in network NET4
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.0 E=0.004 U=0.002
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 313 of Year 2026

RefCheck values for network NET4

Station	Nmin	Nmax	Nstd	Emin	Emax	Estd	Umin	Umax	Ustd	std2D	std3D	#2D > 0.01	% 2D > 0.01	#3D > 0.02	% 3D > 0.02
ACNS	-0.006	0.018	0.003	-0.01	0.008	0.003	-0.019	0.02	0.006	0.002	0.004	1274	1.9	134	0.2
CDRD	**-0.024**	0.012	**0.005**	-0.023	0.012	0.004	-0.017	0.021	0.008	**0.004**	0.005	4636	7.1	2366	3.6
CRPO	-0.013	0.009	0.003	-0.008	0.013	0.003	-0.025	0.025	0.006	0.002	0.004	1915	2.9	1276	1.9
GUIJ	-0.011	**0.021**	**0.005**	-0.015	**0.016**	0.004	-0.02	0.028	0.008	**0.004**	0.005	8100	12.3	2219	3.4
LERM	-0.013	0.01	0.004	-0.009	0.009	0.003	-0.017	0.017	0.006	0.002	0.003	1822	2.8	36	0.1
MDNR	-0.01	0.013	0.003	-0.015	0.011	0.003	-0.014	0.031	0.006	0.003	0.004	4830	7.3	994	1.5
MYRG	-0.011	0.011	0.003	-0.011	0.01	0.003	-0.018	0.009	0.004	0.002	0.003	1452	2.2	0	0.0
PALE	-0.011	0.013	0.003	-0.013	0.007	0.003	-0.015	0.015	0.005	0.002	0.003	1000	1.5	45	0.1
PDB1	-0.02	0.018	**0.005**	-0.01	0.012	0.003	-0.027	0.029	0.008	0.003	0.005	**8805**	**13.4**	3775	5.7
SALA	-0.014	0.011	0.004	-0.014	0.01	0.003	-0.014	**0.033**	0.007	0.003	0.005	3573	5.4	1821	2.8
SALD	-0.007	0.011	0.003	-0.008	0.005	0.002	-0.028	0.011	0.005	0.002	0.004	149	0.2	1194	1.8
STVD	-0.011	0.009	0.004	-0.008	0.012	0.003	-0.025	0.018	0.007	0.002	0.005	1918	2.9	1634	2.5
TORO	-0.007	0.012	0.003	-0.012	0.006	0.003	-0.015	0.017	0.005	0.002	0.003	562	0.9	0	0.0
VALA	-0.012	0.008	0.003	-0.011	0.008	0.003	-0.026	0.024	0.008	0.002	0.005	1677	2.6	2106	3.2
VLFF	-0.012	0.01	0.003	-0.008	0.01	0.002	-0.025	0.01	0.005	0.002	0.004	794	1.2	944	1.4
VNAN	-0.009	0.01	0.003	-0.008	0.008	0.002	-0.023	0.019	0.006	0.002	0.004	167	0.3	558	0.8
VTGD	-0.018	0.017	0.004	**-0.024**	0.011	**0.005**	**-0.047**	0.024	**0.011**	**0.004**	**0.008**	5694	8.7	**5143**	**7.8**
ZMRA	-0.011	0.01	0.003	-0.006	0.012	0.003	-0.014	0.02	0.006	0.002	0.004	2867	4.4	300	0.5
Mean	**-0.012**	**0.012**	**0.004**	**-0.012**	**0.01**	**0.003**	**-0.022**	**0.021**	**0.007**	**0.003**	**0.004**	**2846.4**	**4.3**	**1363.6**	**2.1**
Min/Max	**-0.024**	**0.021**	**0.005**	**-0.024**	**0.016**	**0.005**	**-0.047**	**0.033**	**0.011**	**0.004**	**0.008**	**8805**	**13.4**	**5143**	**7.8**

fixing statistic for network NET4

fixing percentage of	all GNSS	G	R	E	C
using threshold 0.3	94.9	95.3	95.4	96.2	92.6
considering satellites with dual-frequency fixed	93.6	94.4	93.9	95.1	90.2
considering all signals separately	93.7	94.7	94.0	95.2	89.0