summary for network NET3

timeperiod chosen: from 2026-11-10-00:00:00 until 2026-11-10-23:59:59

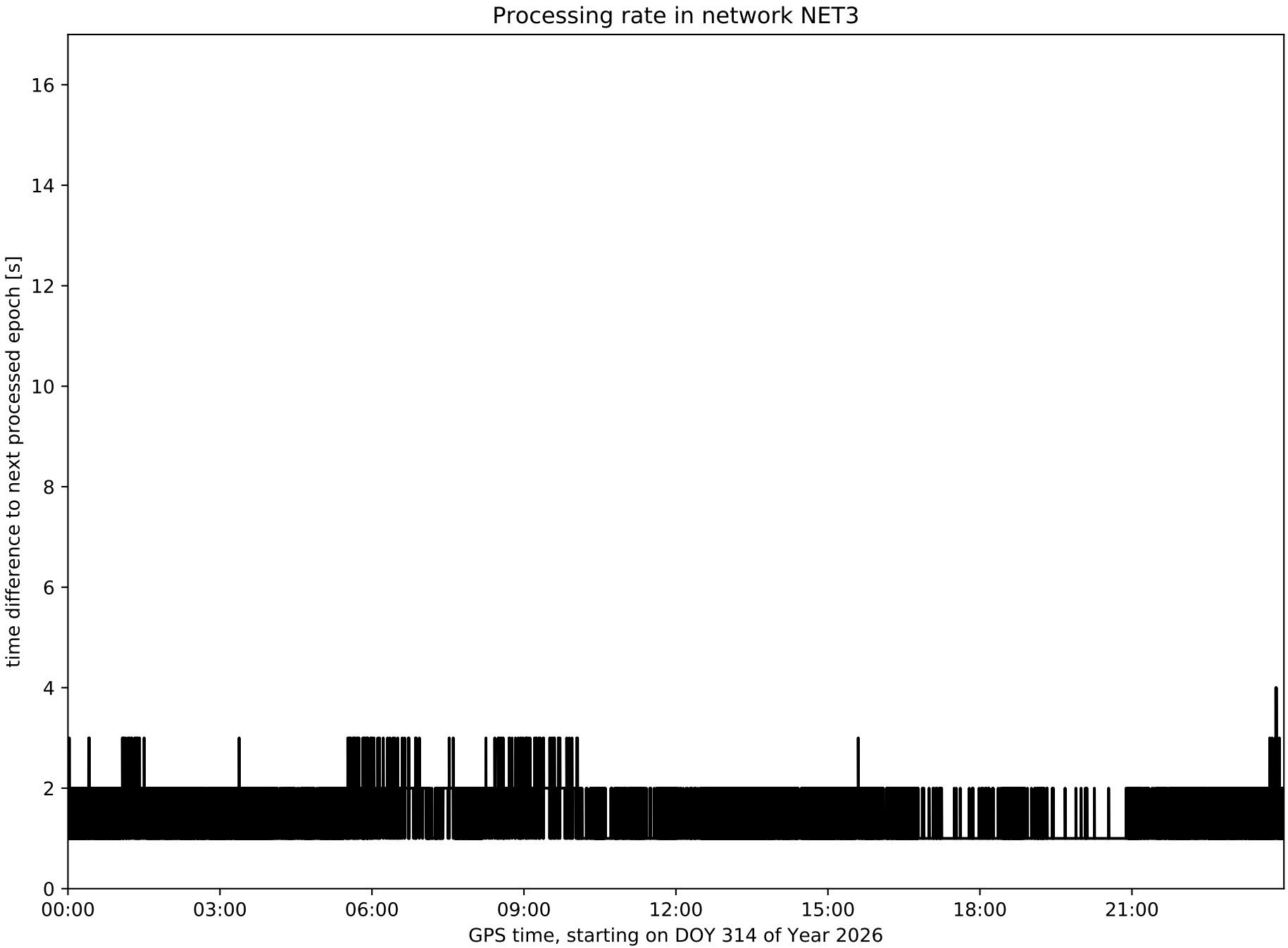
average update rate (durations larger than 15 seconds considered as observation gap): 1.2 seconds

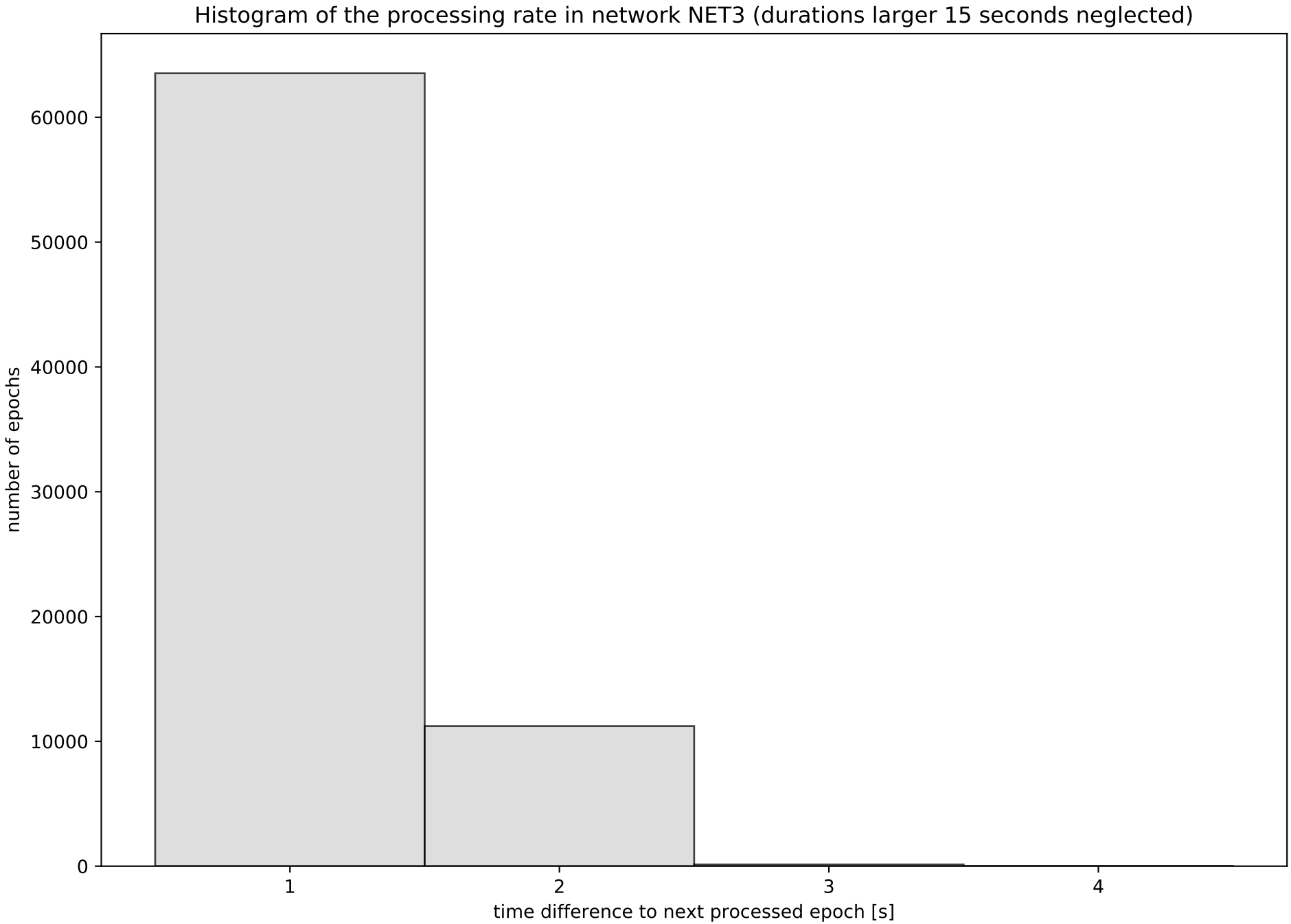
average fixing percentage with threshold set to 0.3: 94.3 percent

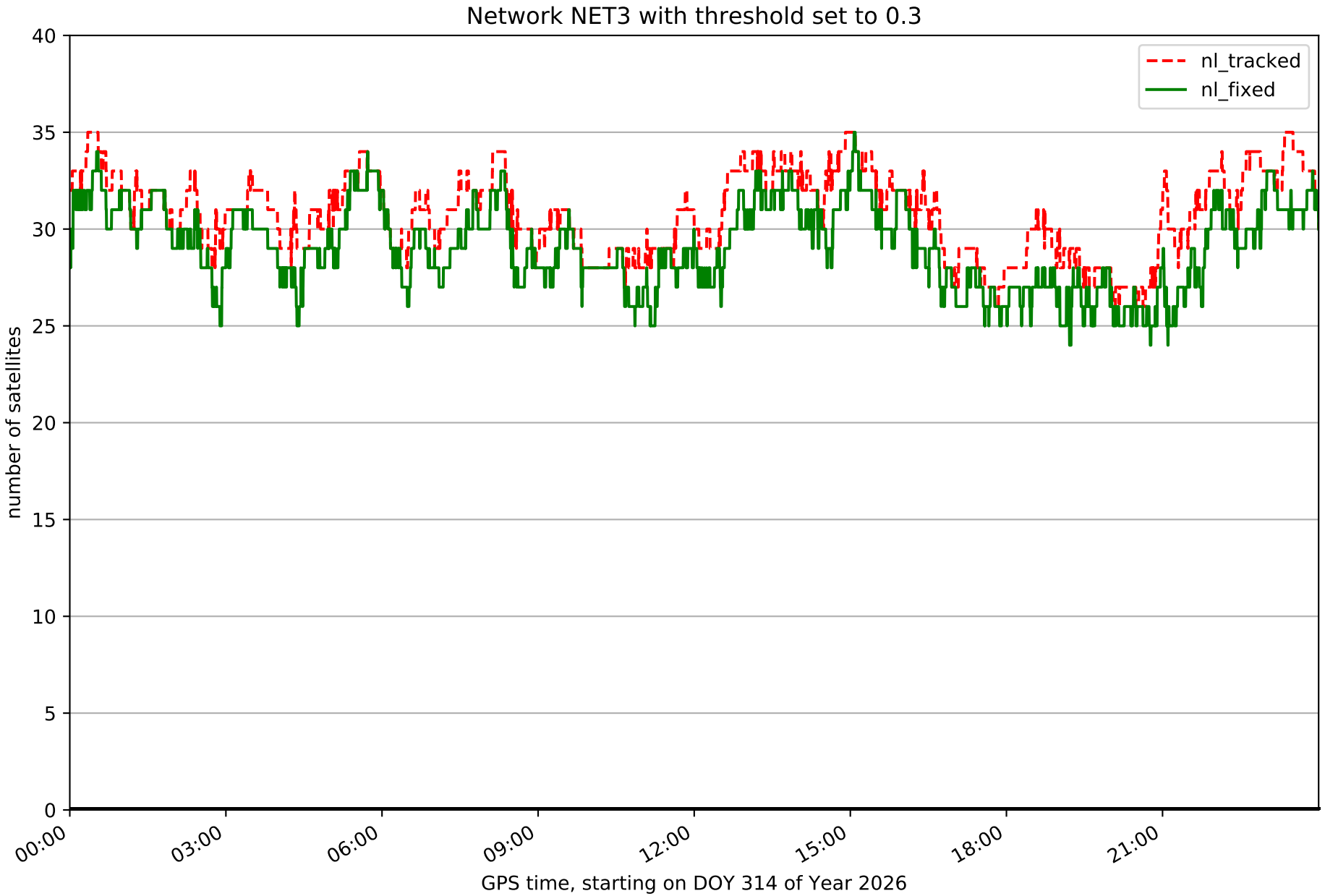
stations available: 13 of 13

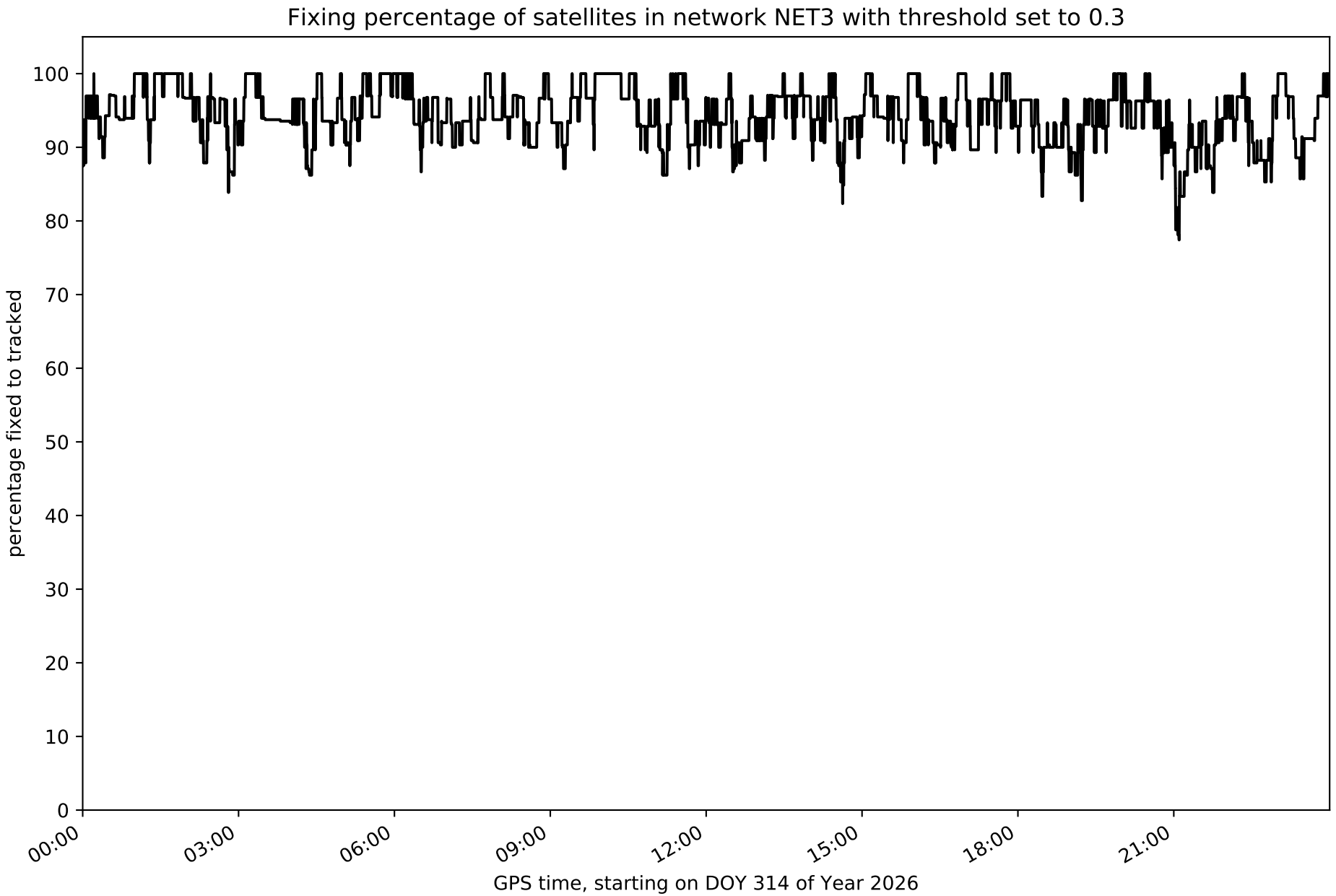
station information:

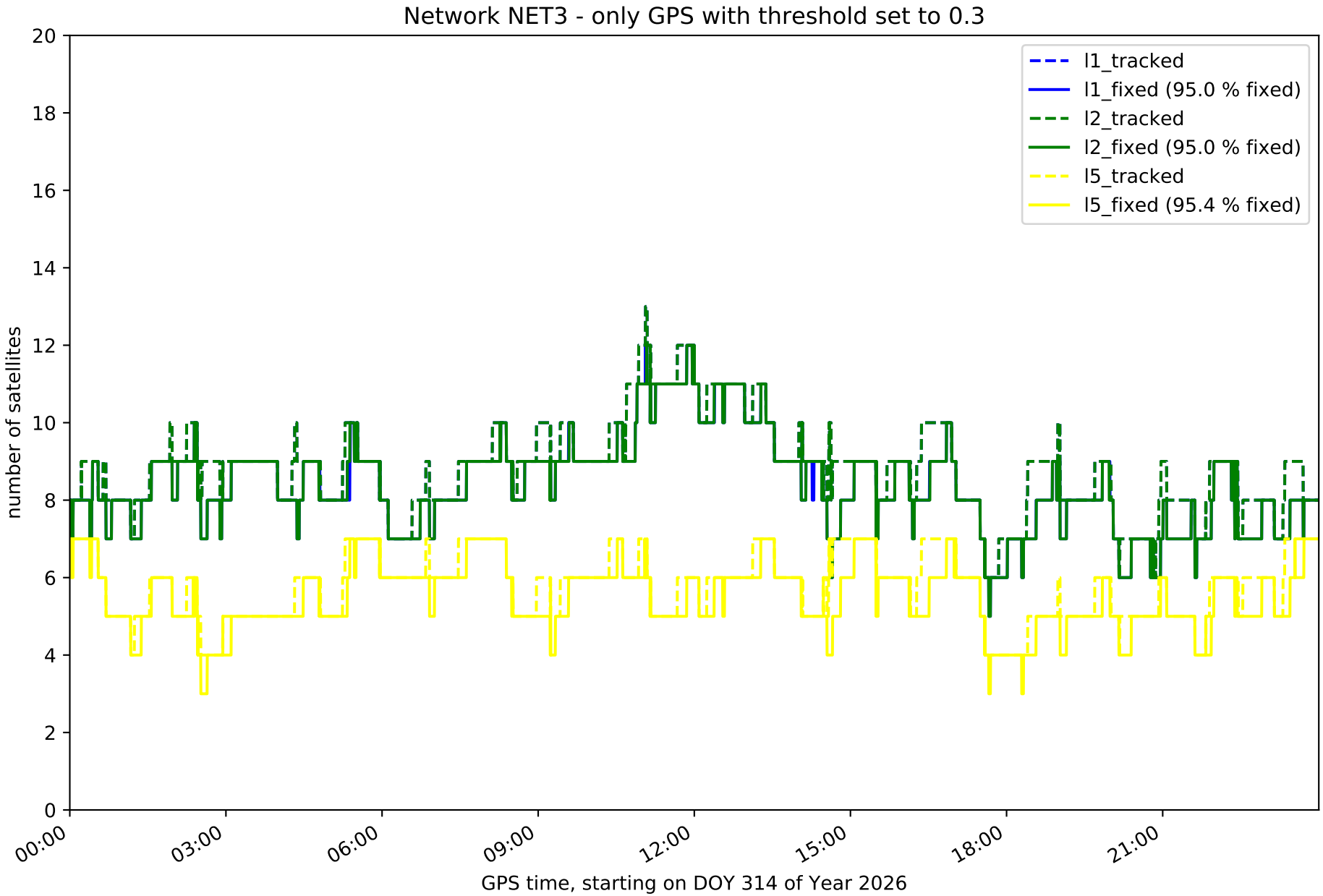
station ALBA:	antenna: LEIAR25.R3 LEIT	receiver: LEICA GR50	height: 754.656
station ALMO:	antenna: LEIAR25.R4 LEIT	receiver: LEICA GR25	height: 743.42
station CLTR:	antenna: LEIAR20 LEIM	receiver: LEICA GR10	height: 785.649
station COBA:	antenna: LEIAR20 LEIM	receiver: LEICA GR50	height: 202.143
station CUEN:	antenna: LEIAR20 LEIM	receiver: LEICA GR50	height: 998.118
station JUMA:	antenna: LEIAR20 LEIM	receiver: LEICA GR30	height: 610.249
station MOTA:	antenna: LEIAR25.R4 LEIT	receiver: LEICA GR50	height: 779.82
station MOTI:	antenna: LEIAR20 LEIM	receiver: LEICA GR50	height: 887.16
station MRAT:	antenna: LEIAR20 LEIM	receiver: LEICA GR30	height: 1227.58
station SONS:	antenna: LEIAR20 LEIM	receiver: LEICA GR50	height: 811.983
station UTI1:	antenna: TRM159900.00 SCIS	receiver: LEICA GR50	height: 798.706
station VIAR:	antenna: GPPNULLANTENNA NONE	receiver: LEICA GR50	height: 746.559
station VILH:	antenna: TRM159900.00 SCIS	receiver: TRIMBLE NETR9	height: 1022.771

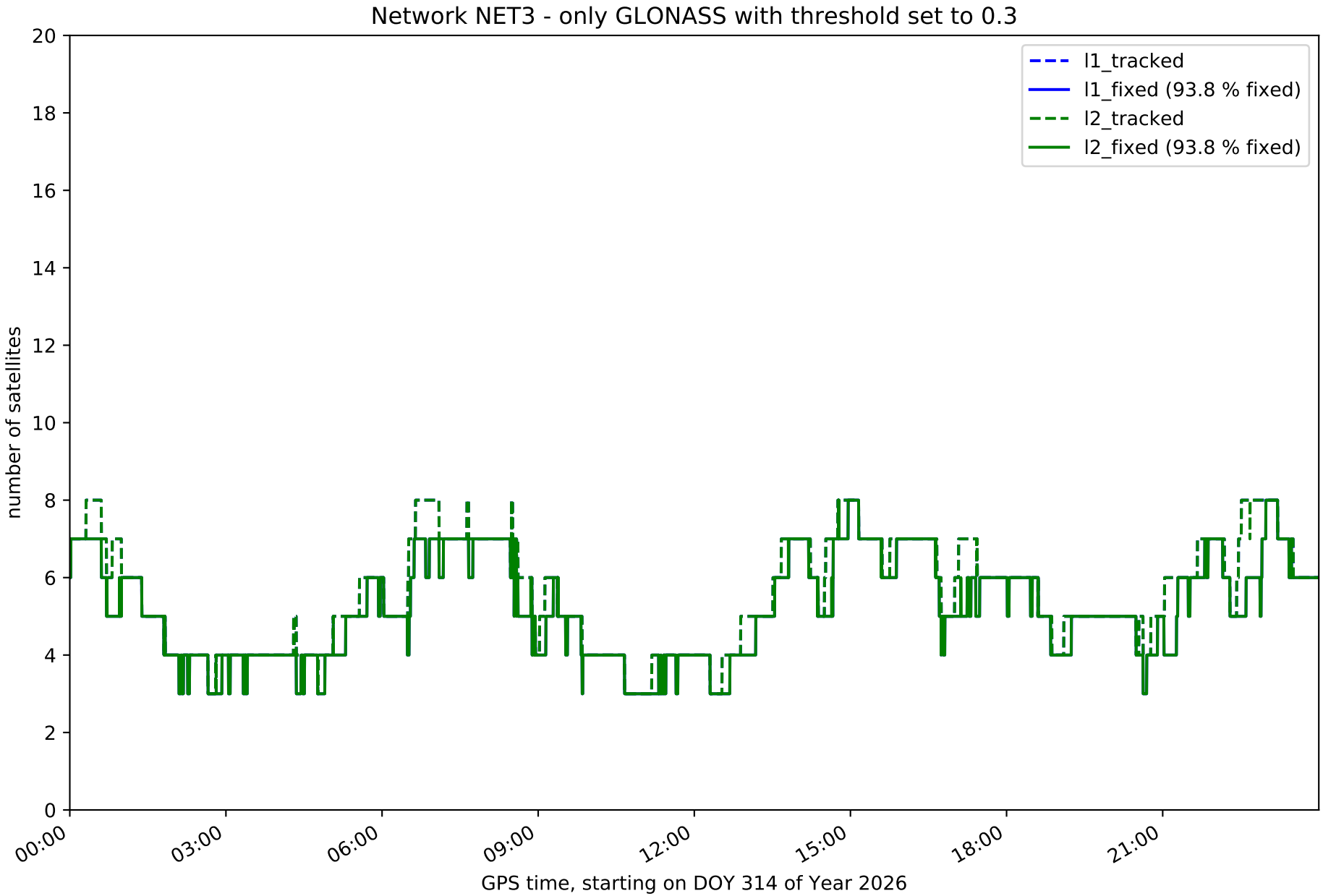

Processing rate in network NET3
time difference to next processed epoch [s]
0
2
4
6
8
10
12
14
16
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

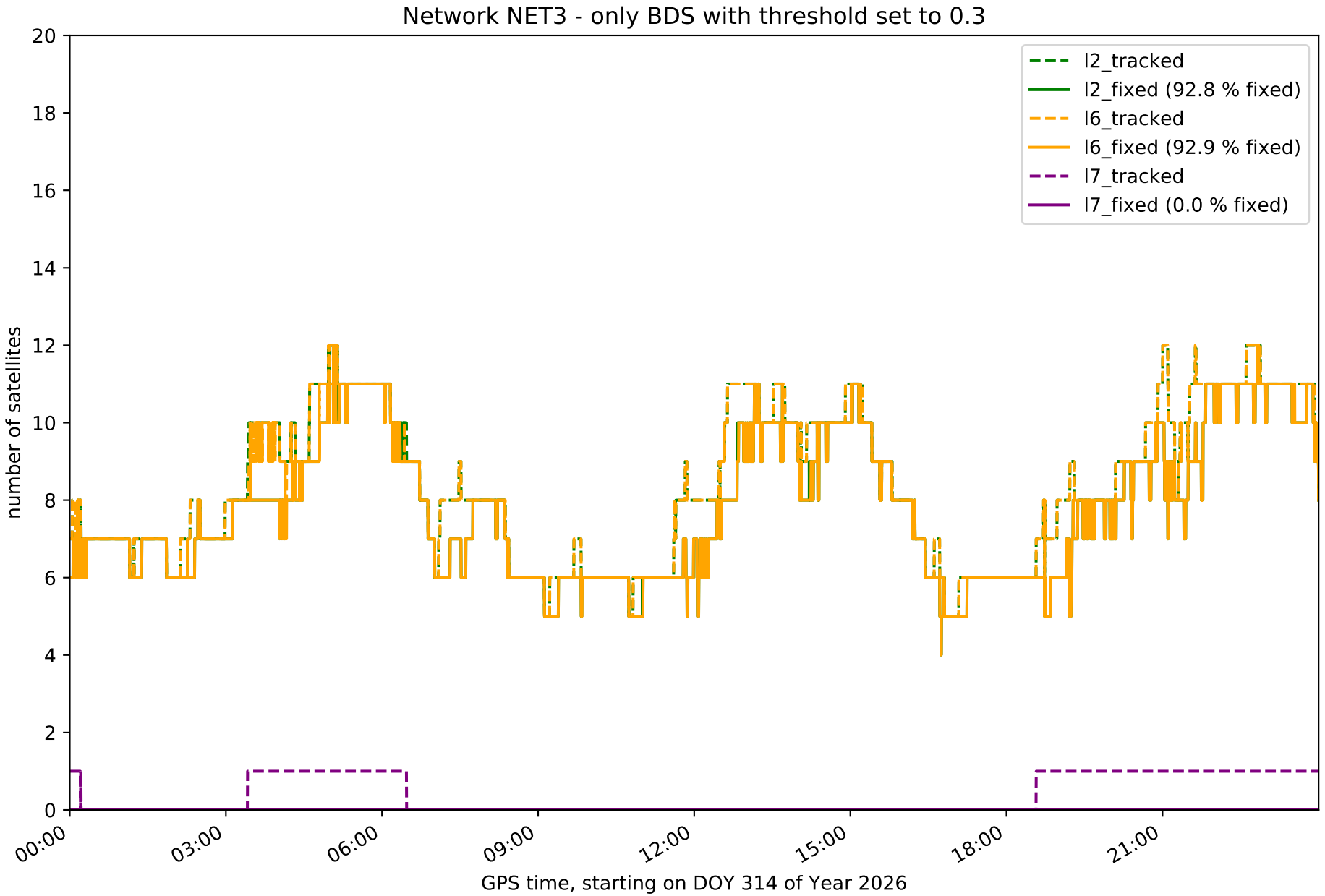

Histogram of the processing rate in network NET3 (durations larger 15 seconds neglected)
number of epochs
0
10000
20000
30000
40000
50000
60000
1
2
3
4
time difference to next processed epoch [s]

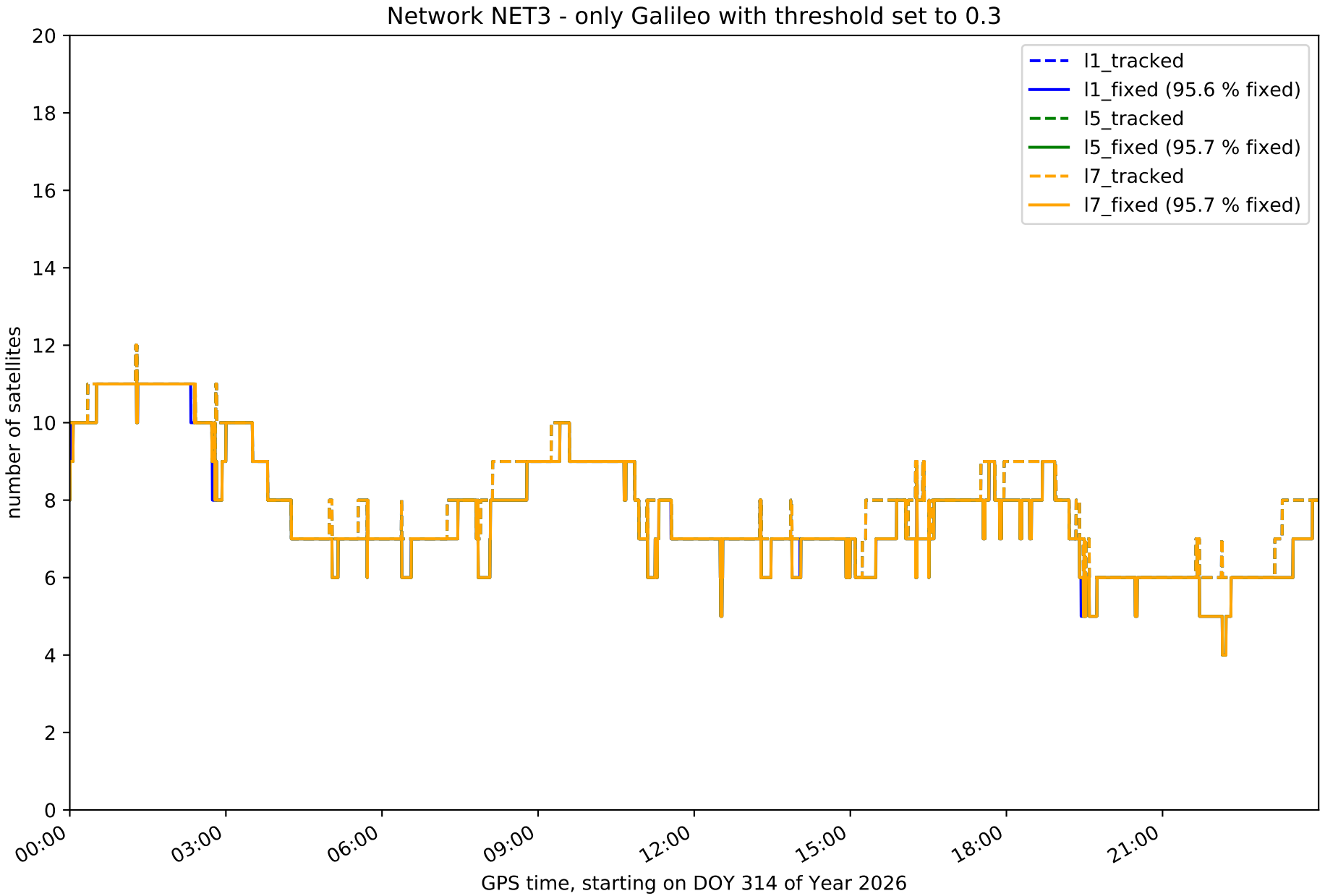

Network NET3 with threshold set to 0.3
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
40
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

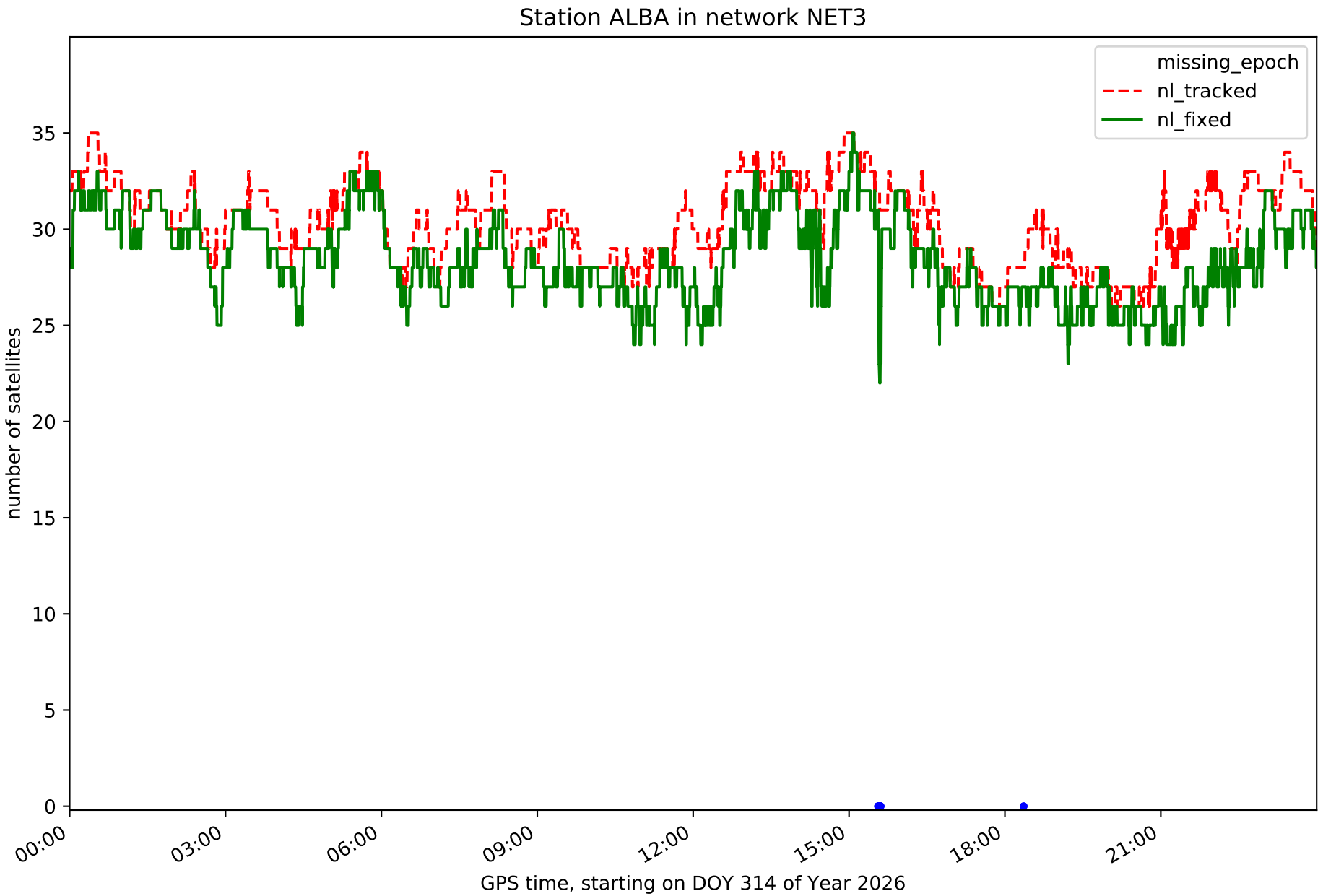

Fixing percentage of satellites in network NET3 with threshold set to 0.3
percentage fixed to tracked
100
90
80
70
60
50
40
30
20
10
0
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

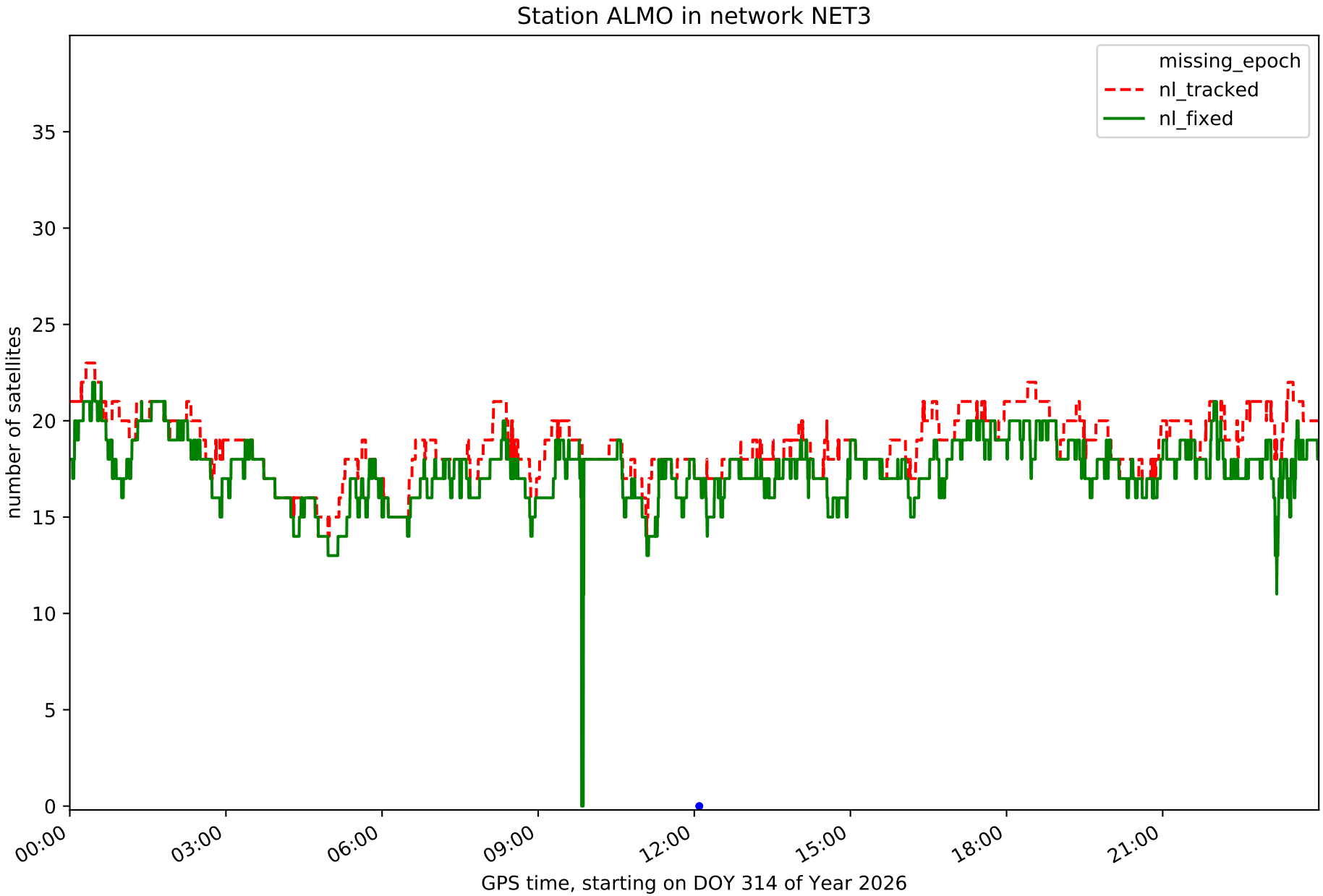

Network NET3 - only GPS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 314 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
l1_tracked
l1_fixed (95.0 % fixed)
l2_tracked
l2_fixed (95.0 % fixed)
l5_tracked
l5_fixed (95.4 % fixed)

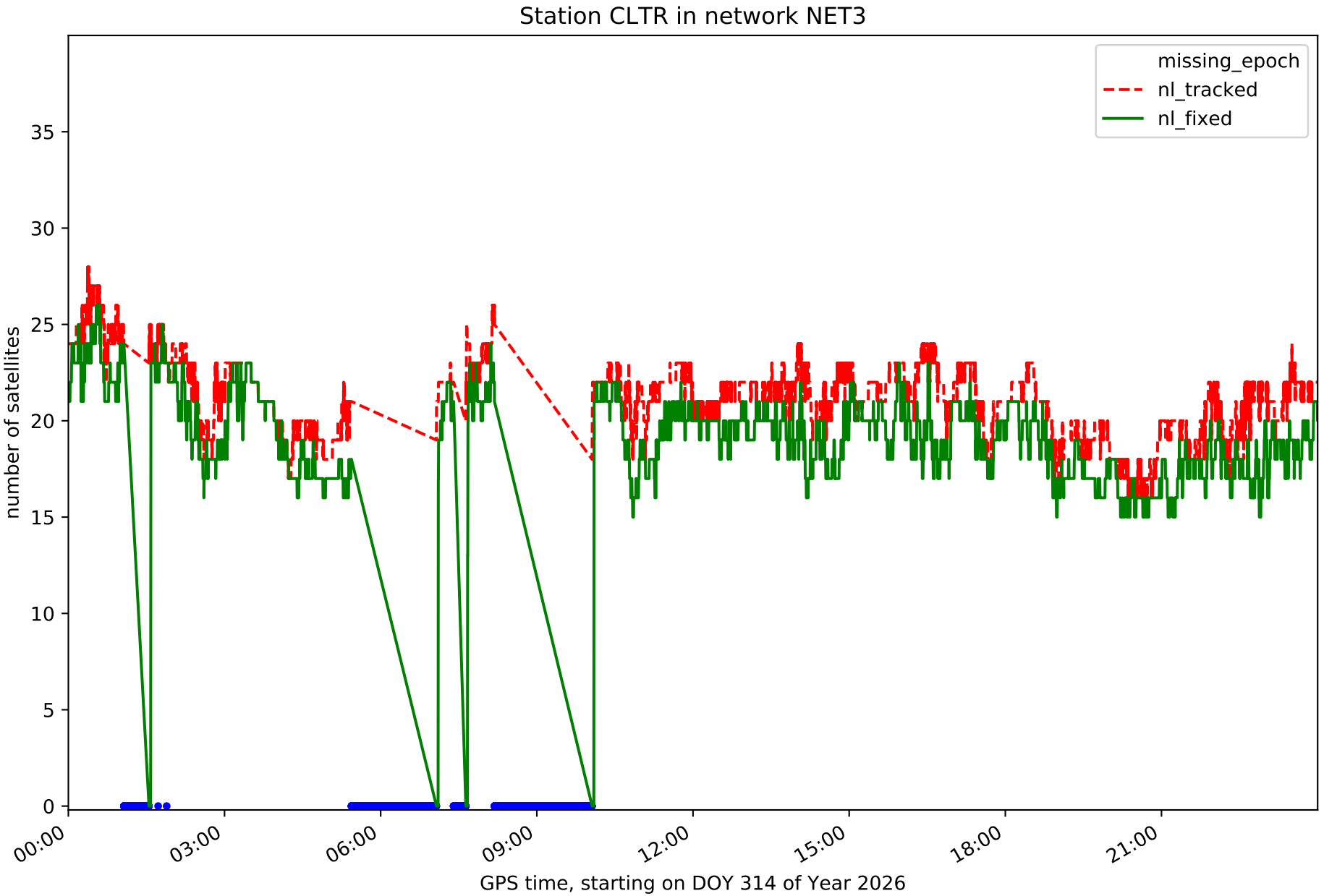

Network NET3 - only GLONASS with threshold set to 0.3
l1_tracked
l1_fixed (93.8 % fixed)
l2_tracked
l2_fixed (93.8 % fixed)
number of satellites
0
2
4
6
8
10
12
14
16
18
20
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

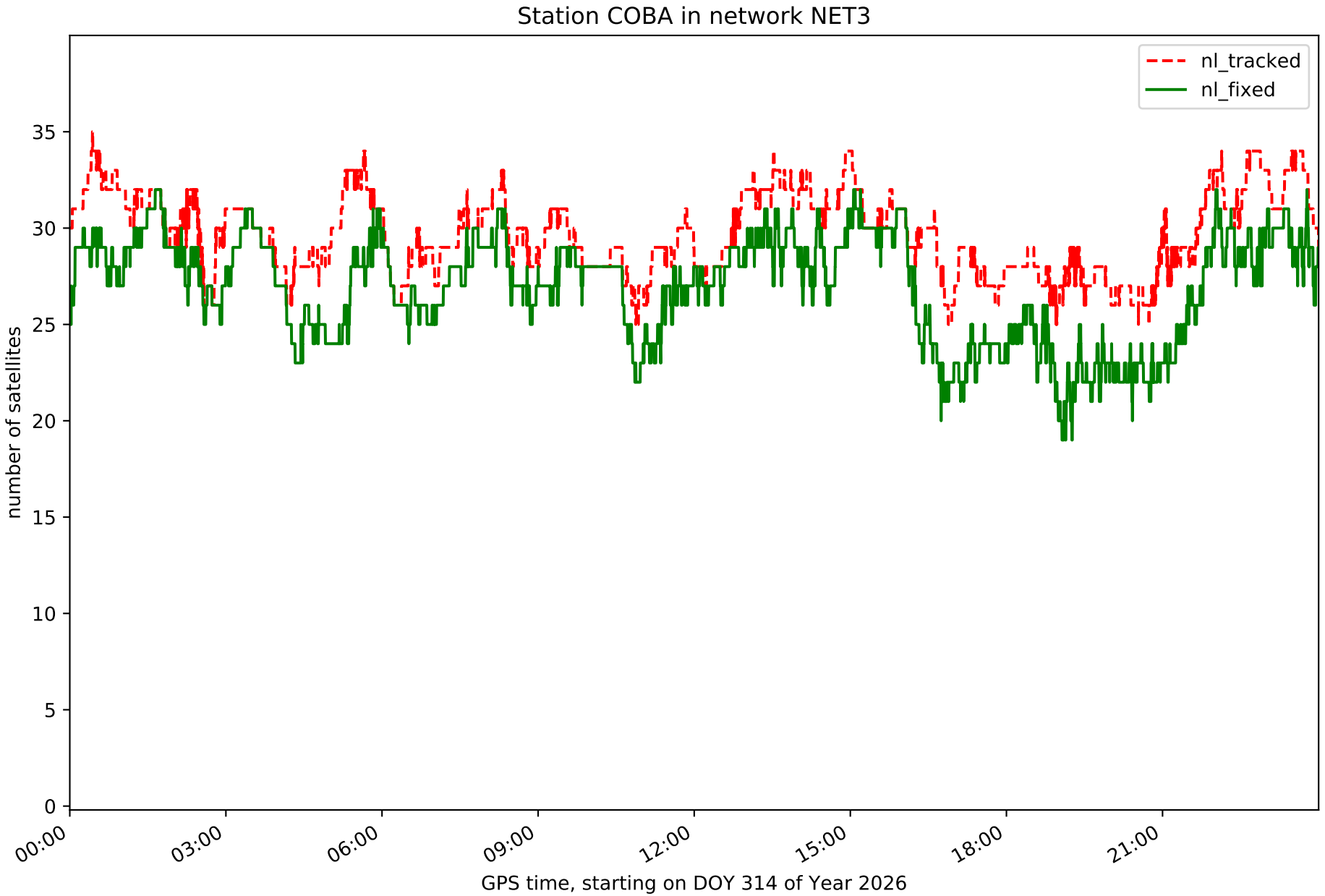

Network NET3 - only BDS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 314 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
I2_tracked
I2_fixed (92.8 % fixed)
I6_tracked
I6_fixed (92.9 % fixed)
I7_tracked
I7_fixed (0.0 % fixed)

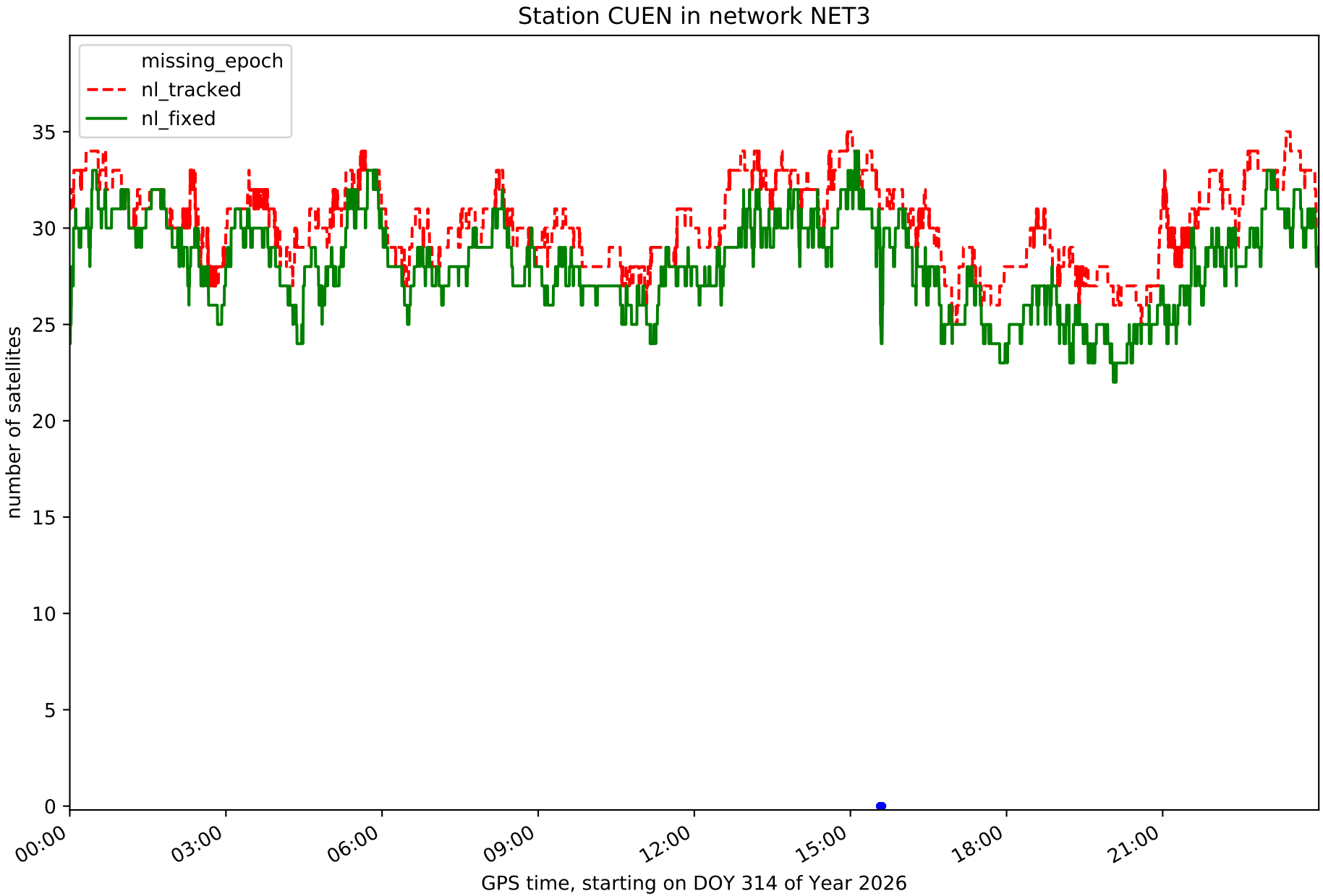

Network NET3 - only Galileo with threshold set to 0.3
number of satellites
GPS time, starting on DOY 314 of Year 2026
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
l1_tracked
l1_fixed (95.6 % fixed)
l5_tracked
l5_fixed (95.7 % fixed)
l7_tracked
l7_fixed (95.7 % fixed)

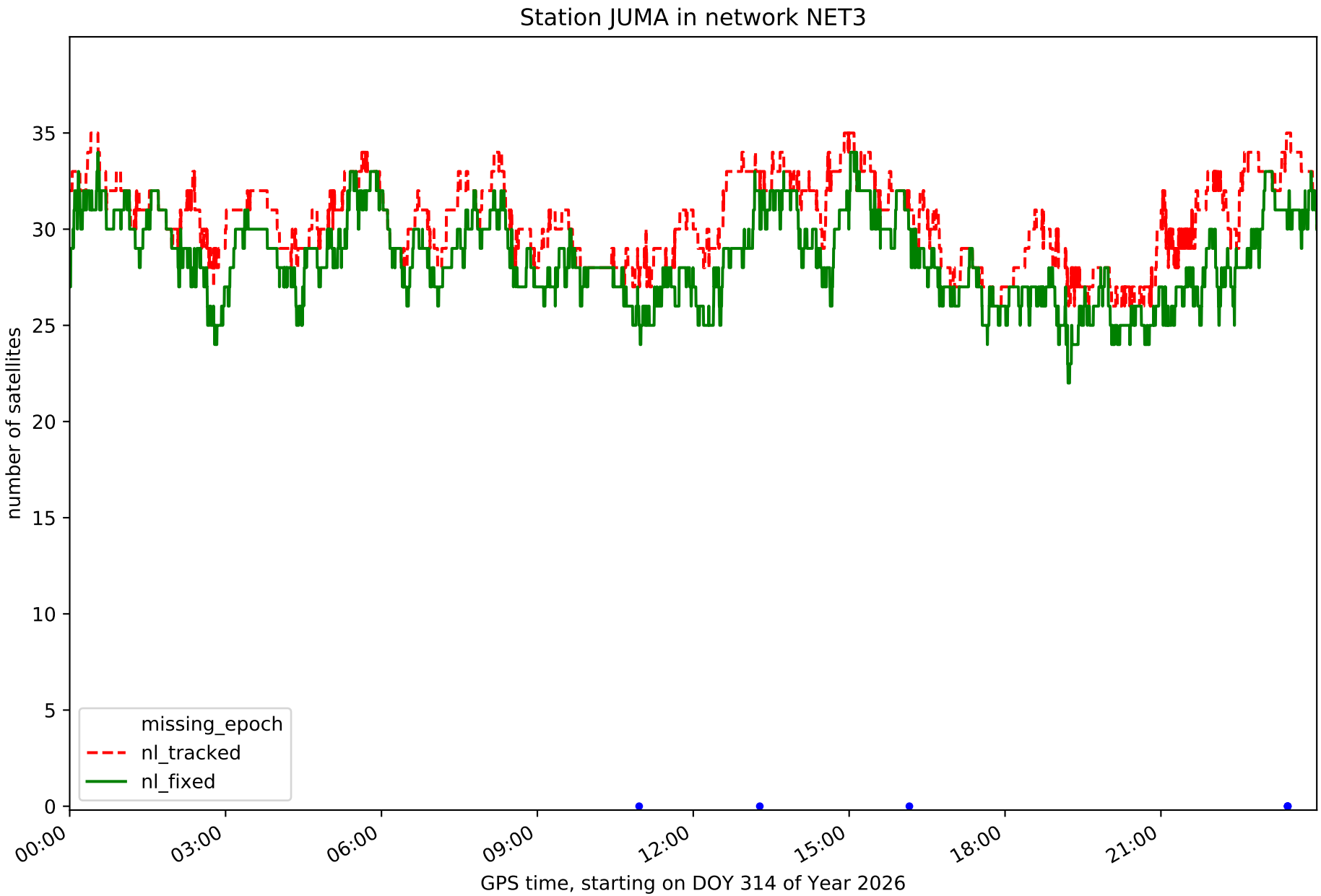

Station ALBA in network NET3
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

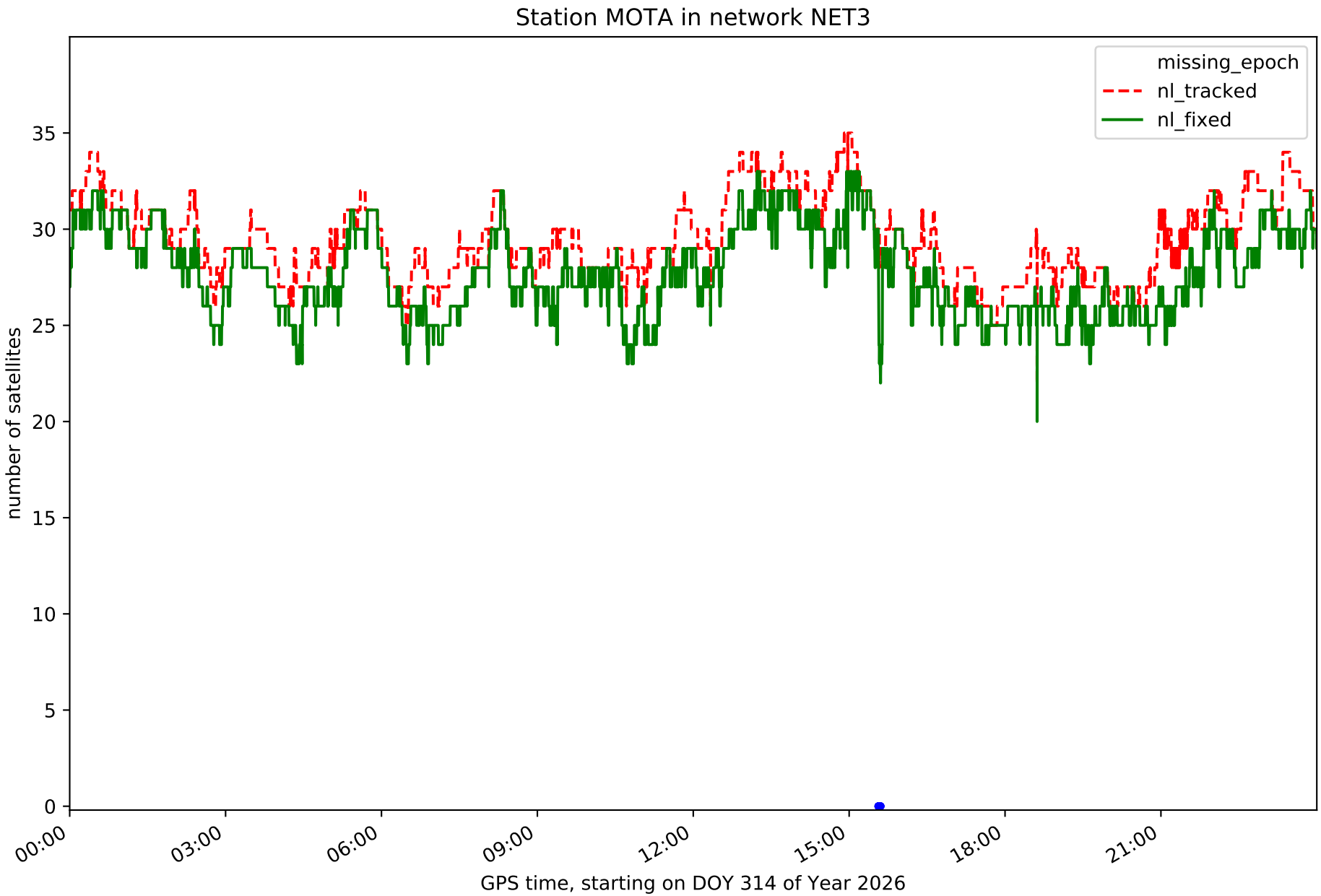

Station ALMO in network NET3
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

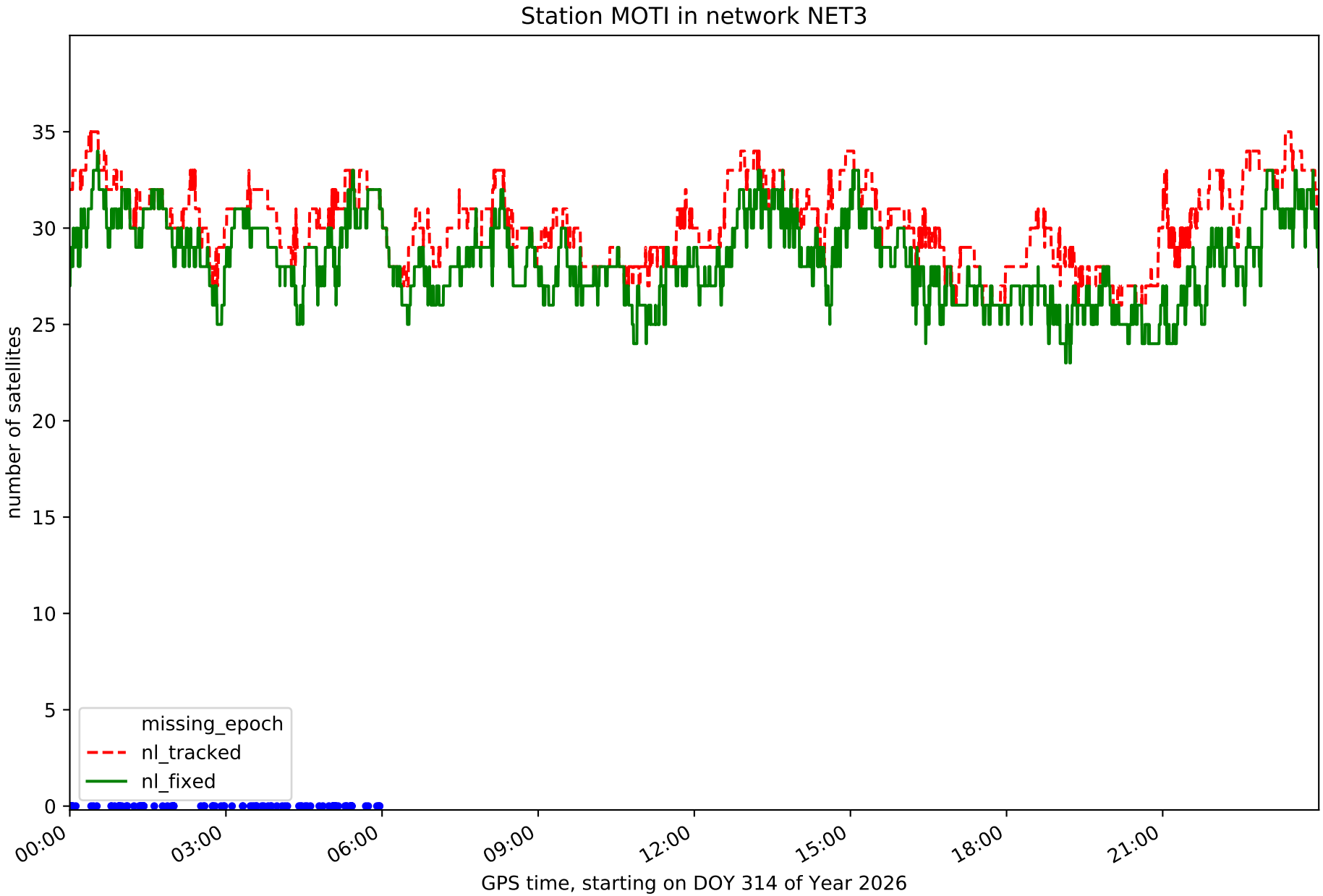

Station CLTR in network NET3
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

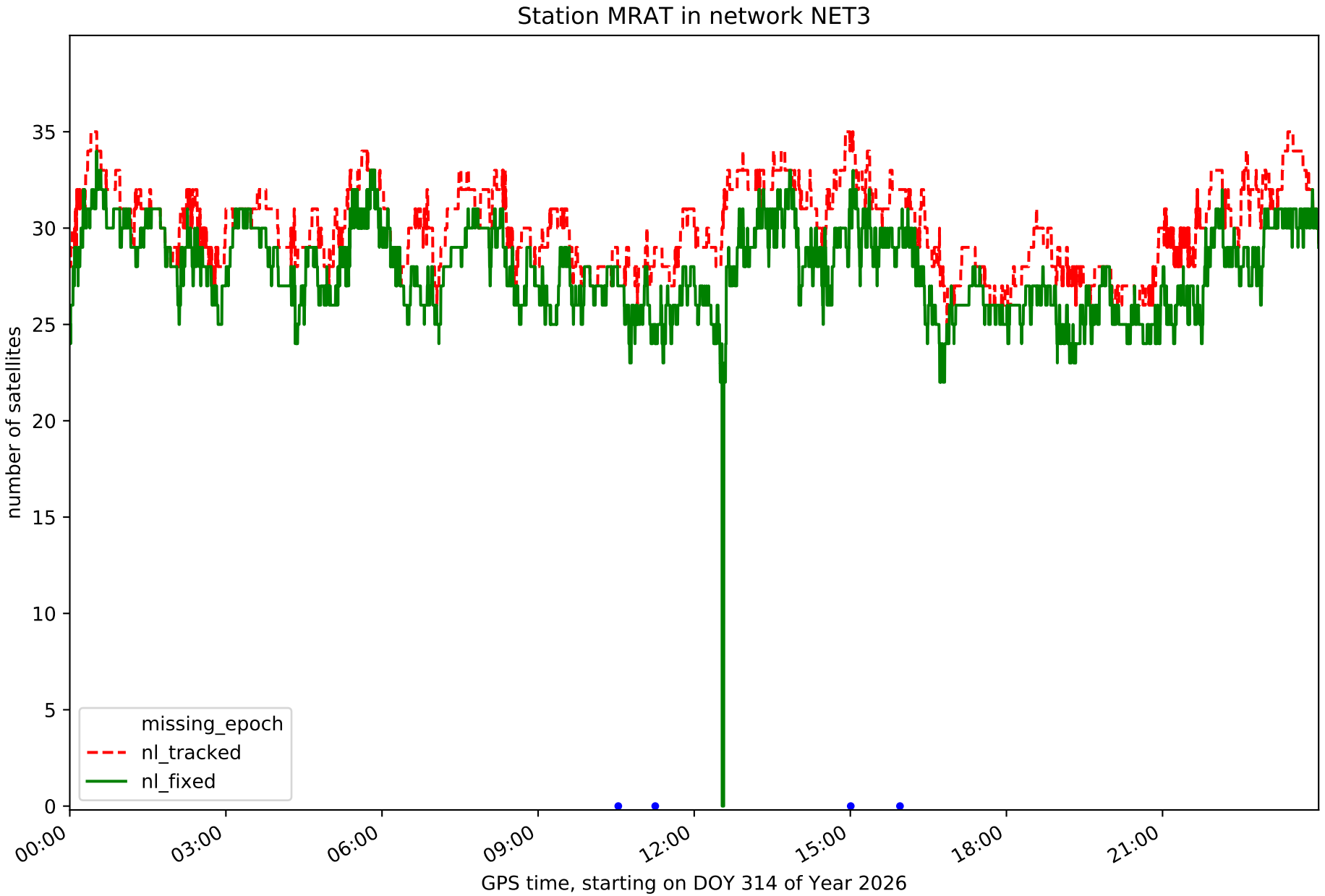

Station COBA in network NET3
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

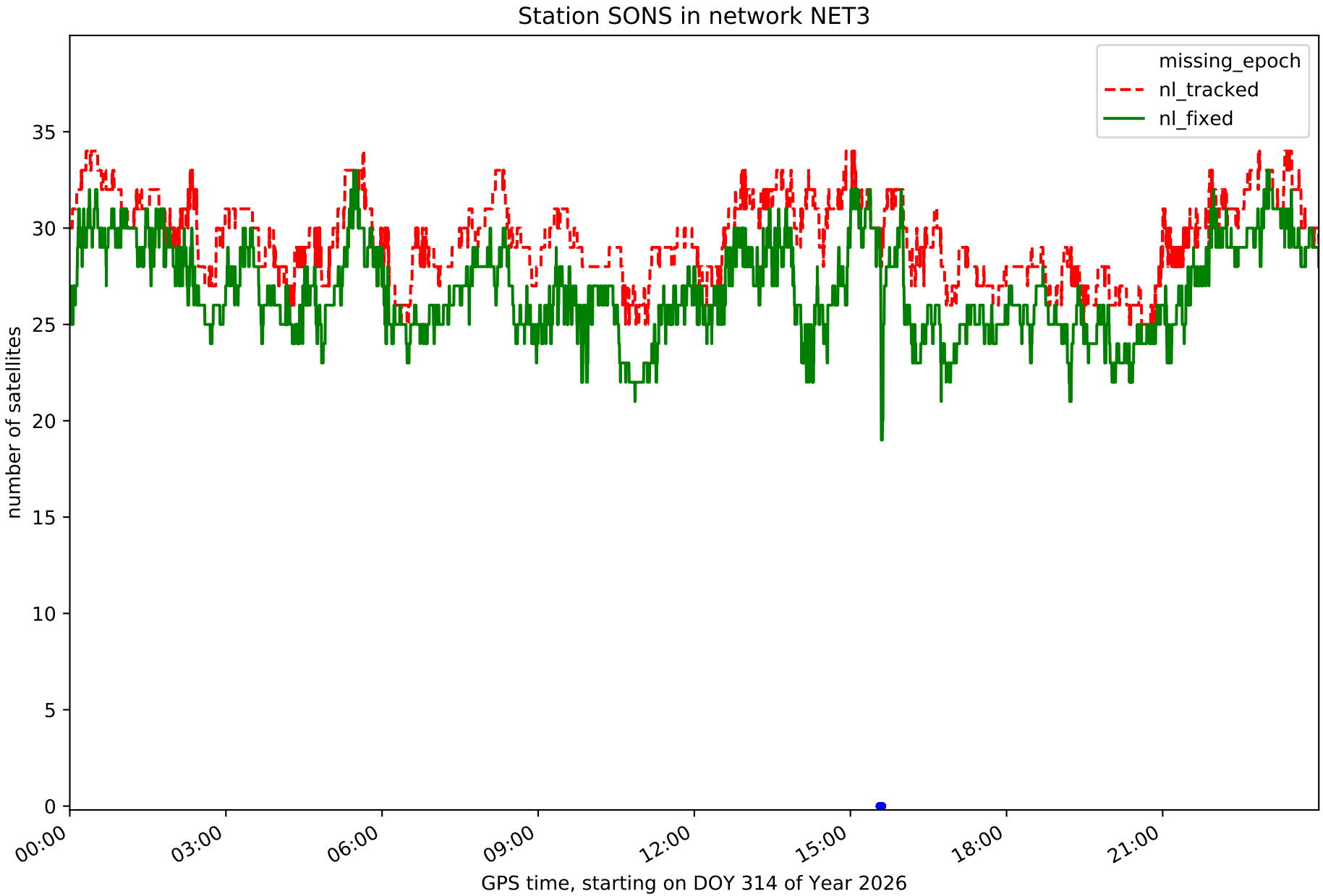

Station CUEN in network NET3
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

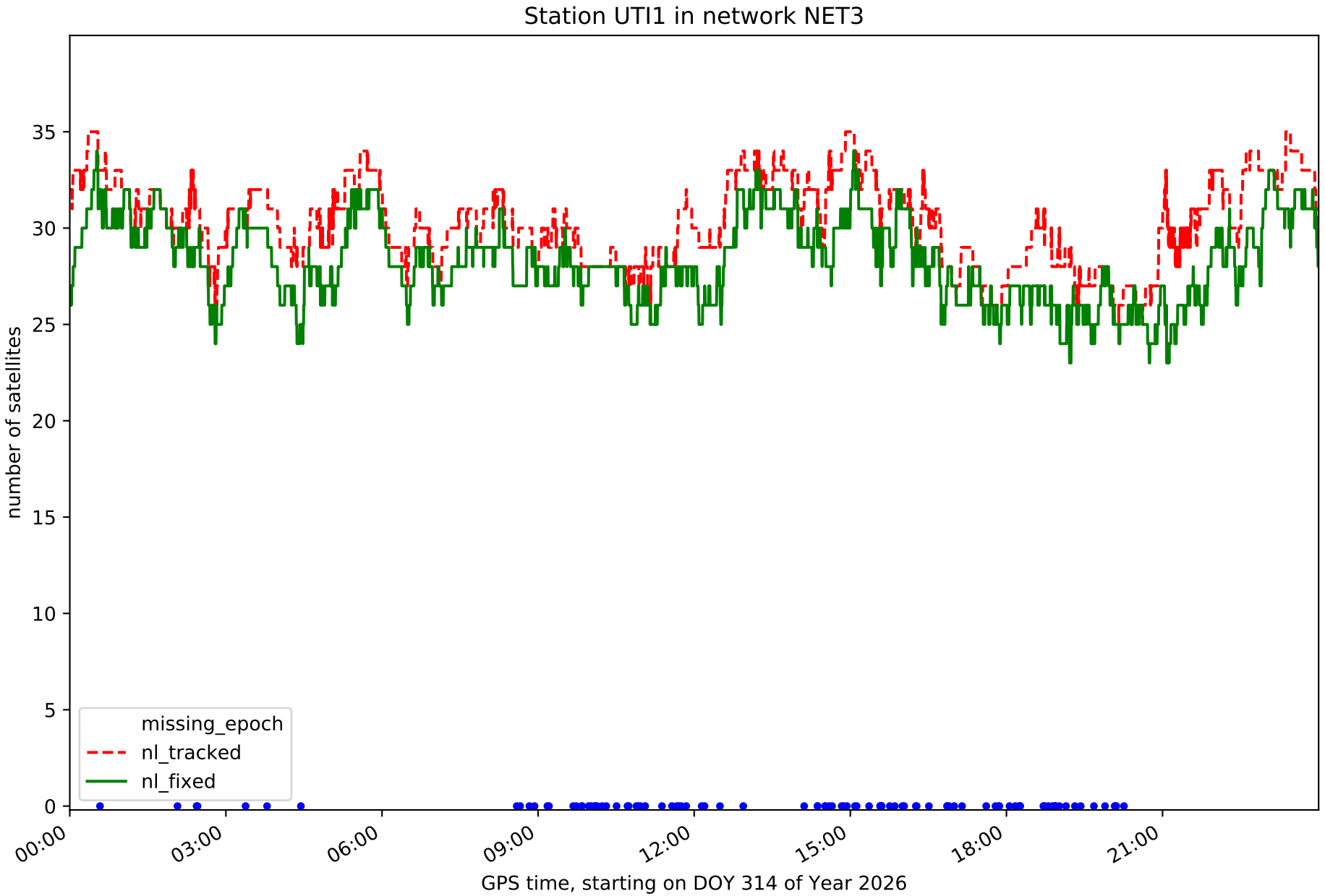

Station JUMA in network NET3
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026
missing_epoch
nl_tracked
nl_fixed

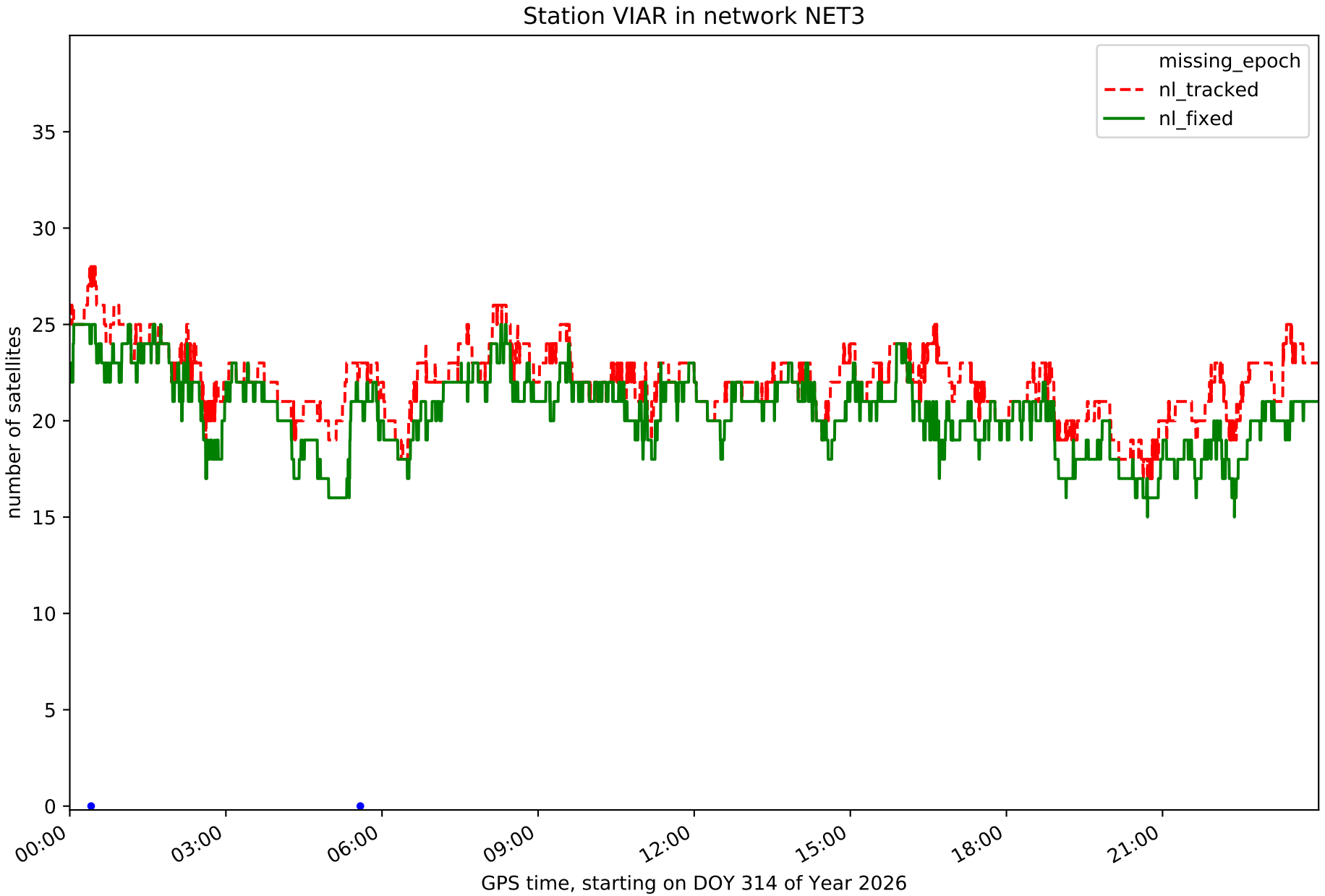

Station MOTA in network NET3
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

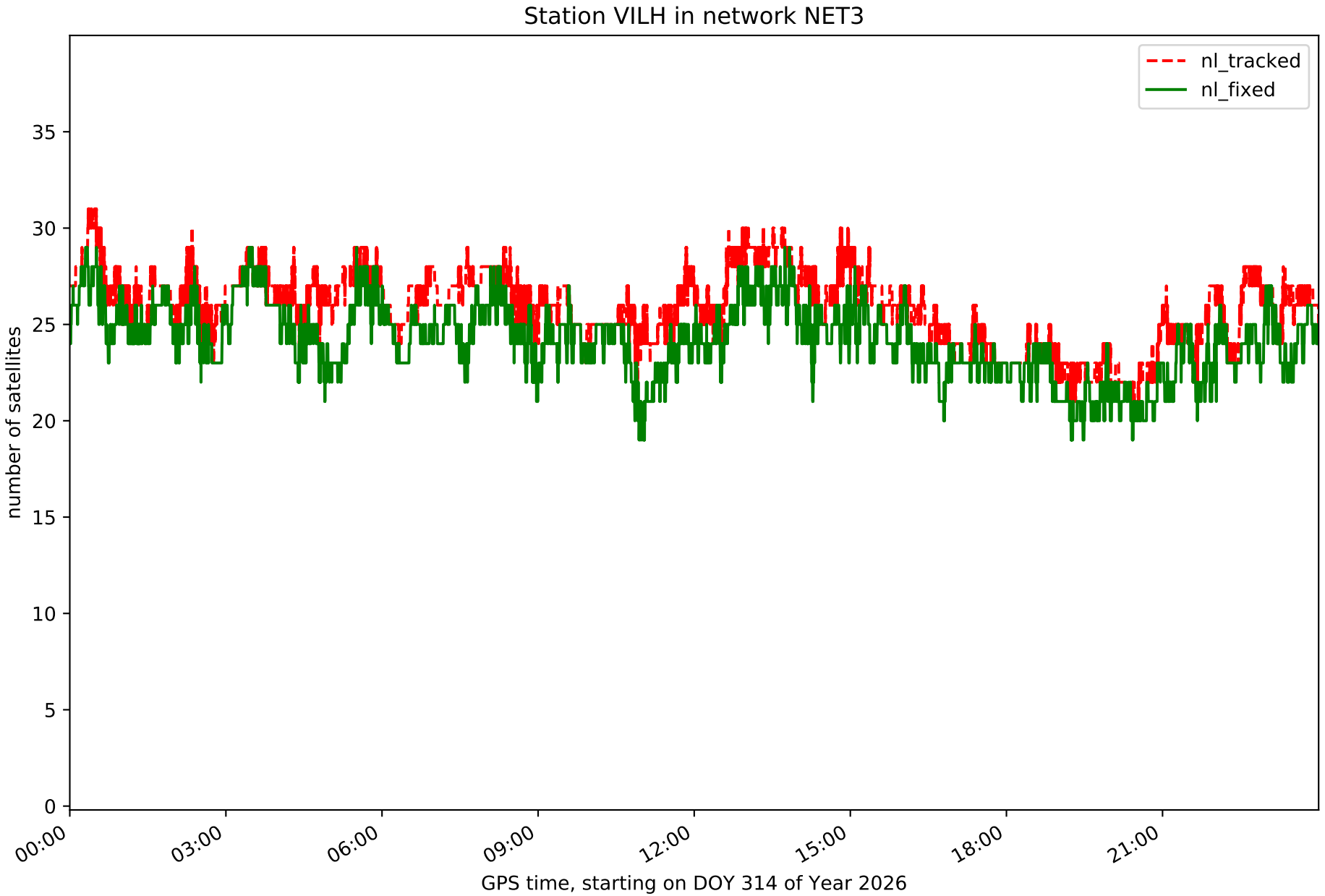

Station MOTI in network NET3
number of satellites
0
5
10
15
20
25
30
35
missing_epoch
nl_tracked
nl_fixed
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

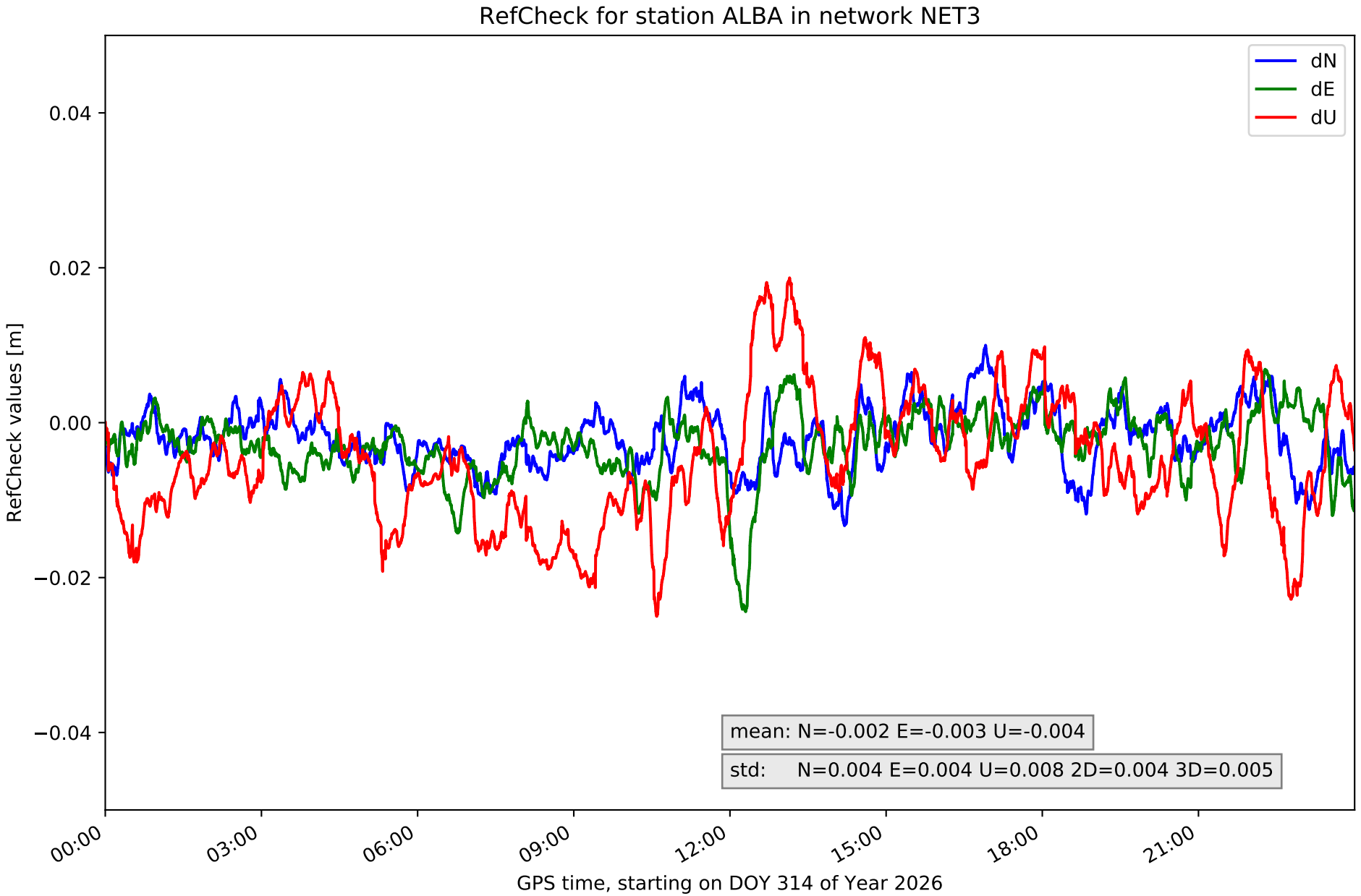

Station MRAT in network NET3
number of satellites
0
5
10
15
20
25
30
35
missing_epoch
nl_tracked
nl_fixed
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

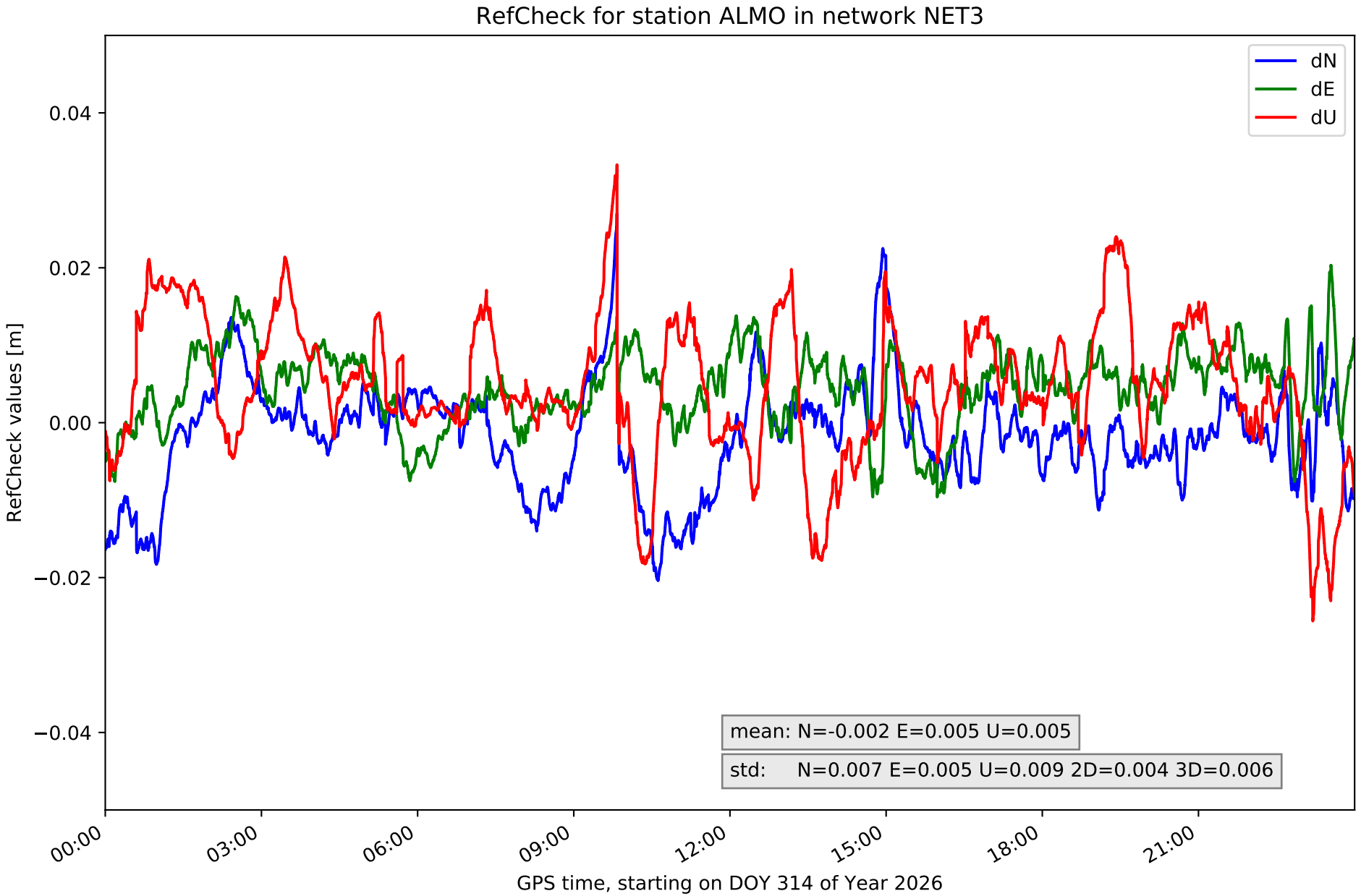

Station SONS in network NET3
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

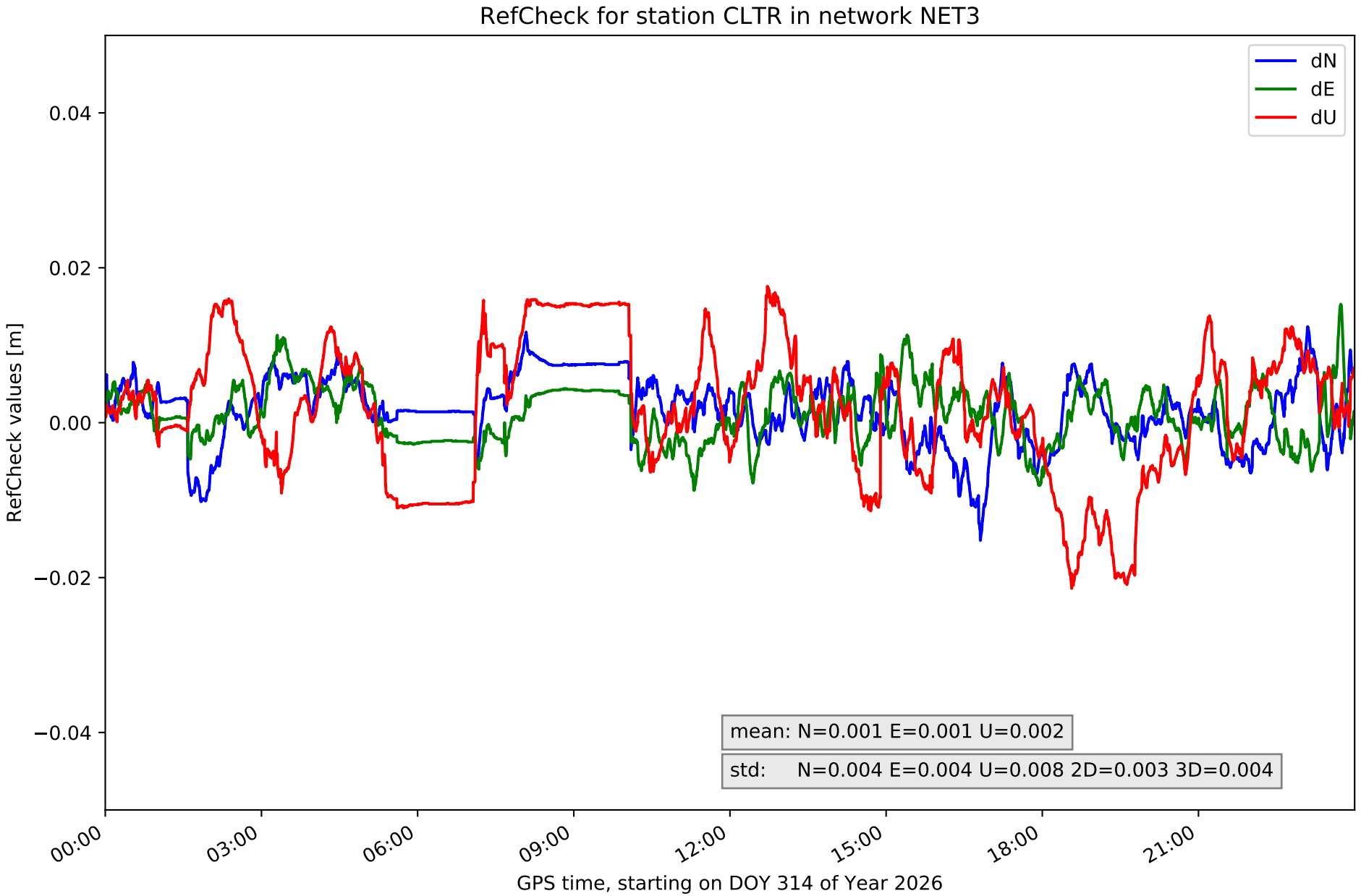

Station UTI1 in network NET3
number of satellites
0
5
10
15
20
25
30
35
missing_epoch
nl_tracked
nl_fixed
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

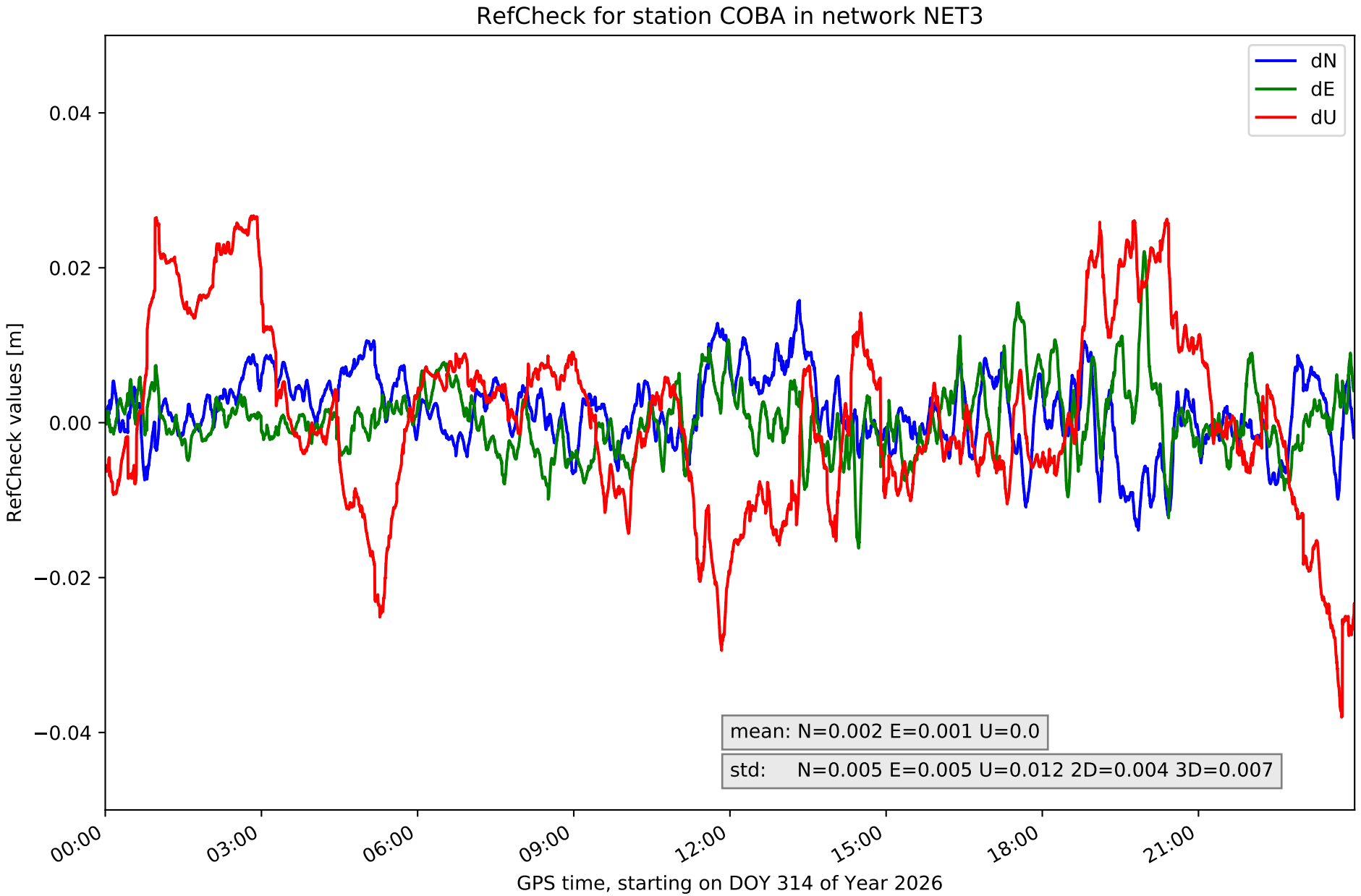

Station VIAR in network NET3
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

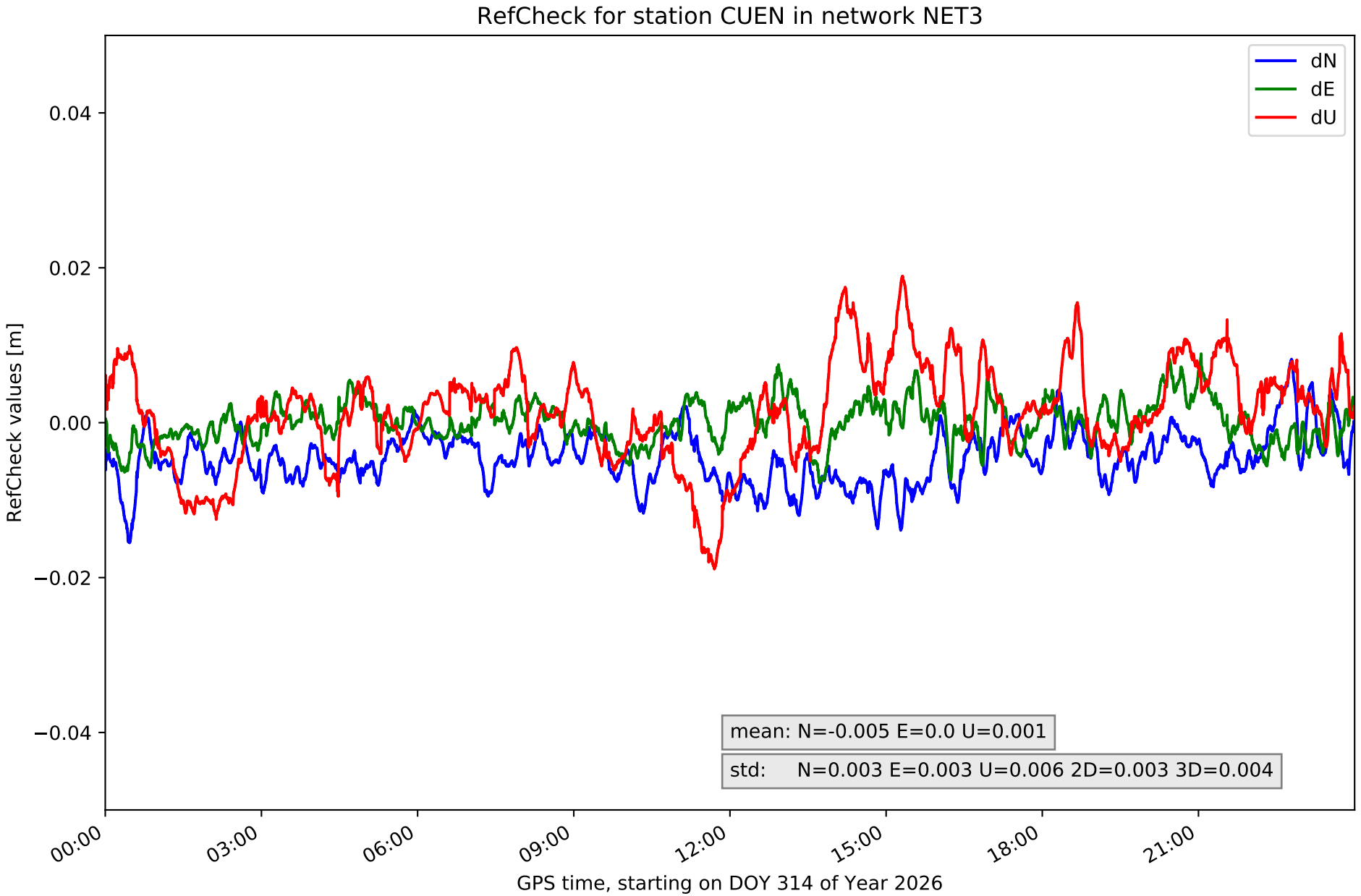

Station VILH in network NET3
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

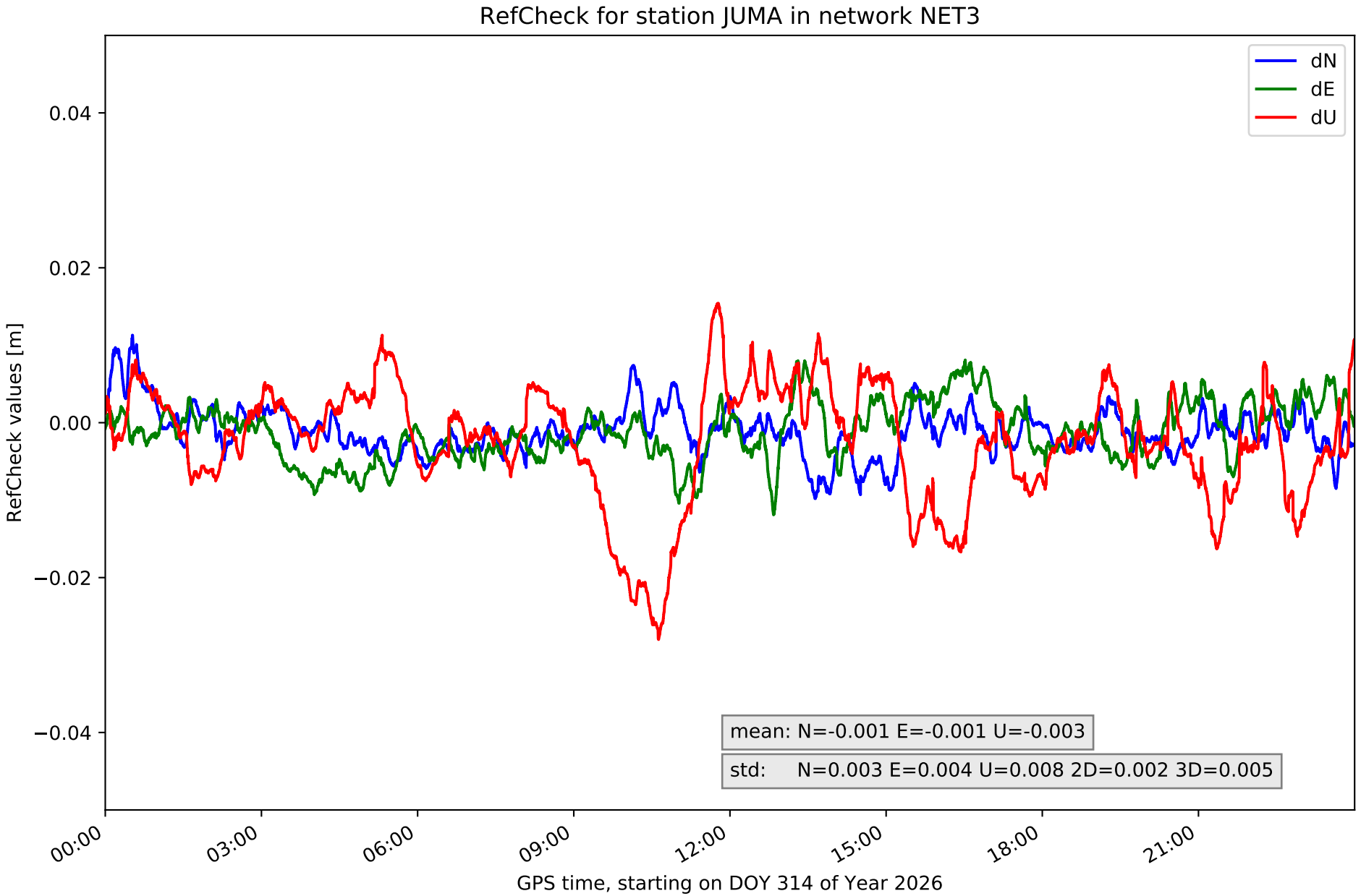

RefCheck for station ALBA in network NET3
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.002 E=-0.003 U=-0.004
std: N=0.004 E=0.004 U=0.008 2D=0.004 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

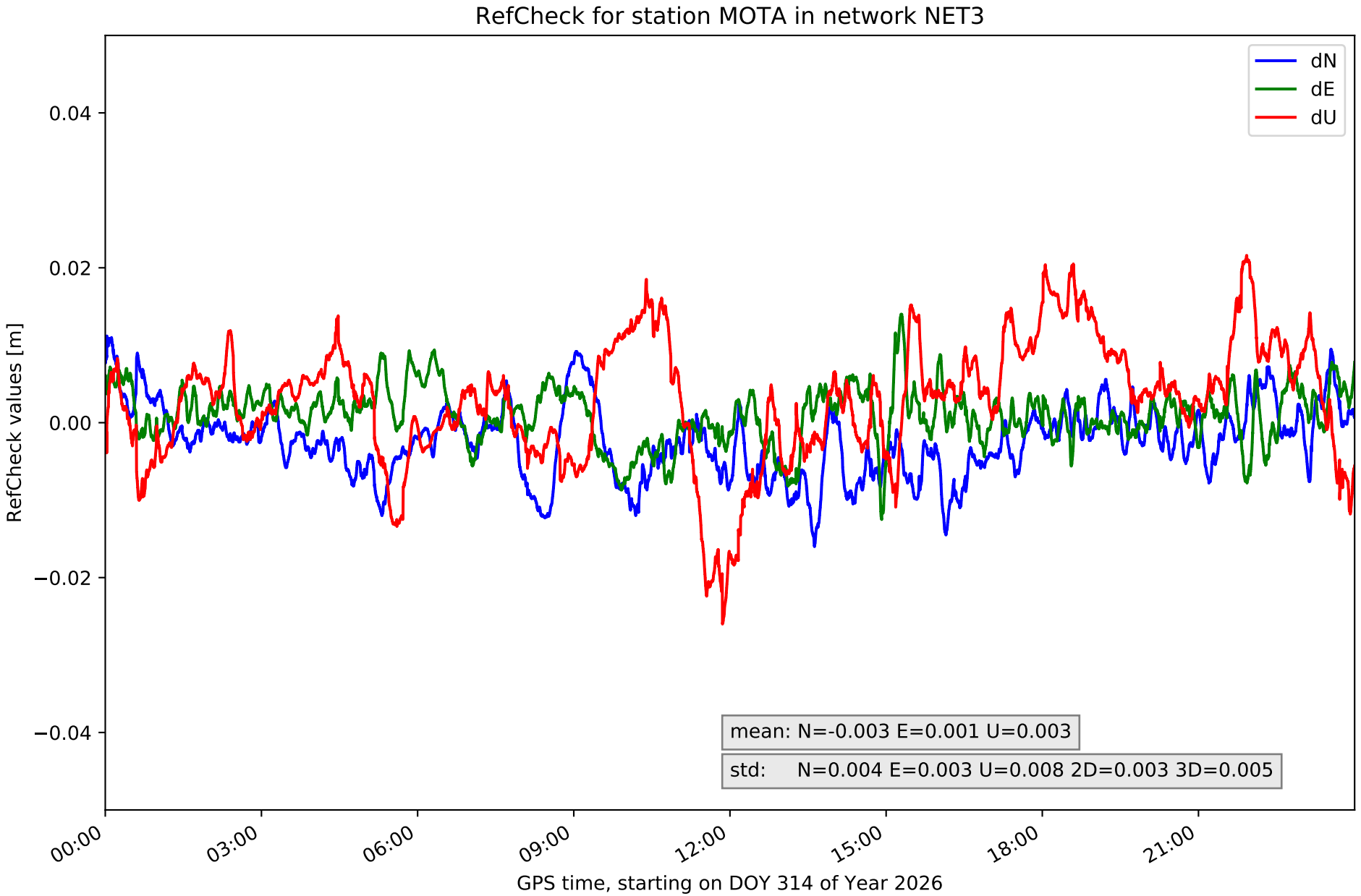

RefCheck for station ALMO in network NET3
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.002 E=0.005 U=0.005
std: N=0.007 E=0.005 U=0.009 2D=0.004 3D=0.006
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

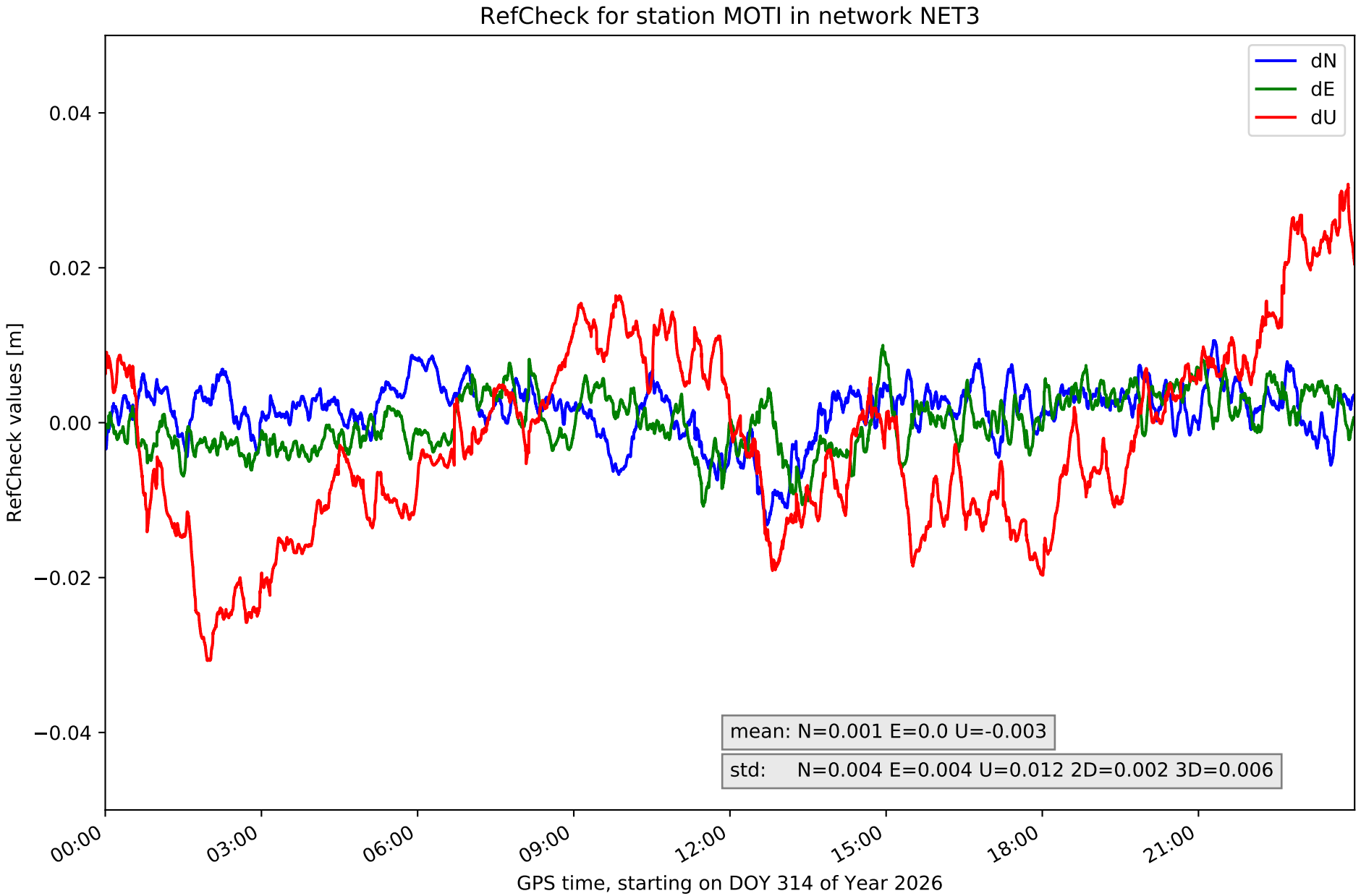

RefCheck for station CLTR in network NET3
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.001 E=0.001 U=0.002
std: N=0.004 E=0.004 U=0.008 2D=0.003 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

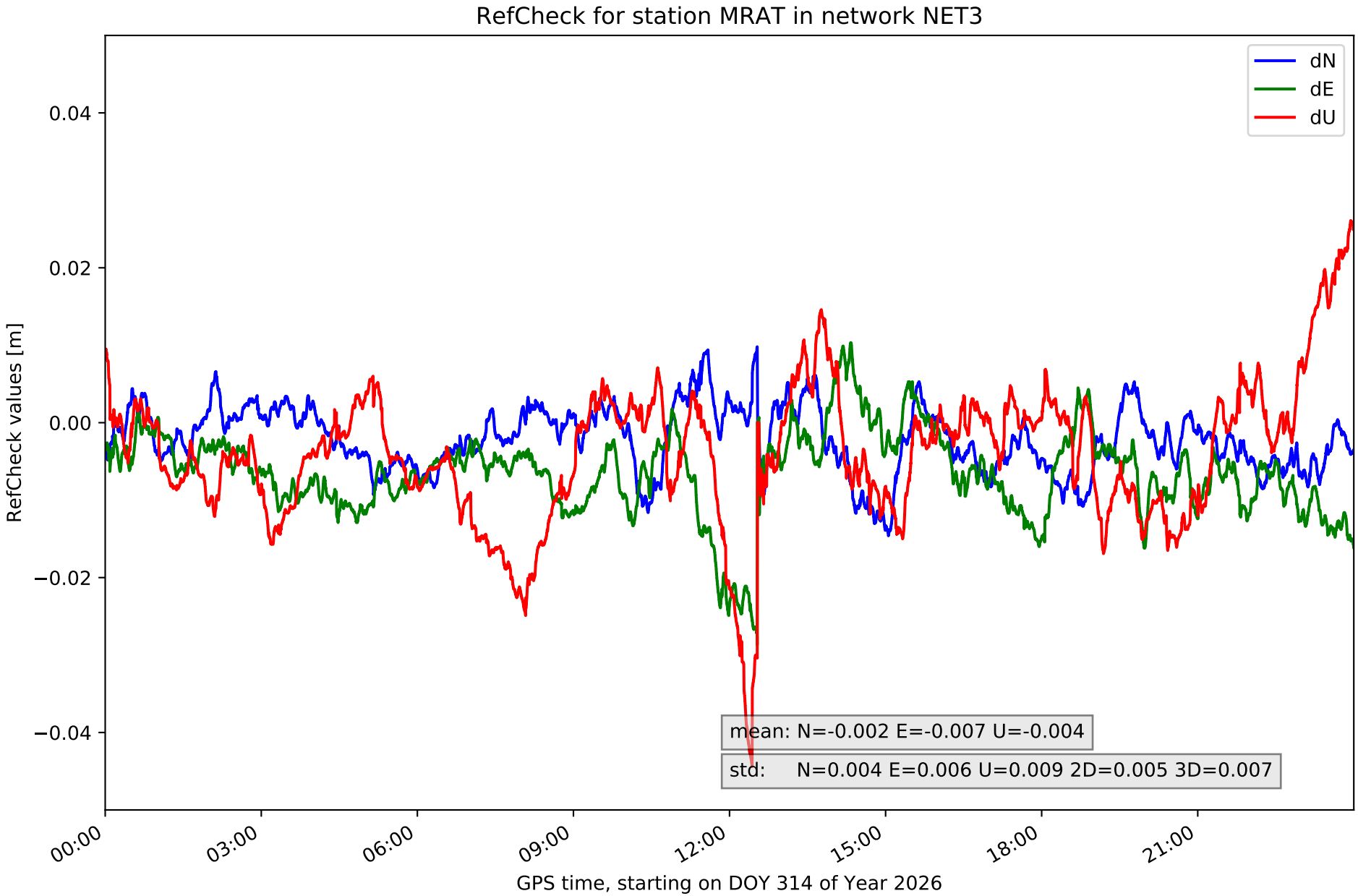

RefCheck for station COBA in network NET3
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=0.001 U=0.0
std: N=0.005 E=0.005 U=0.012 2D=0.004 3D=0.007
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

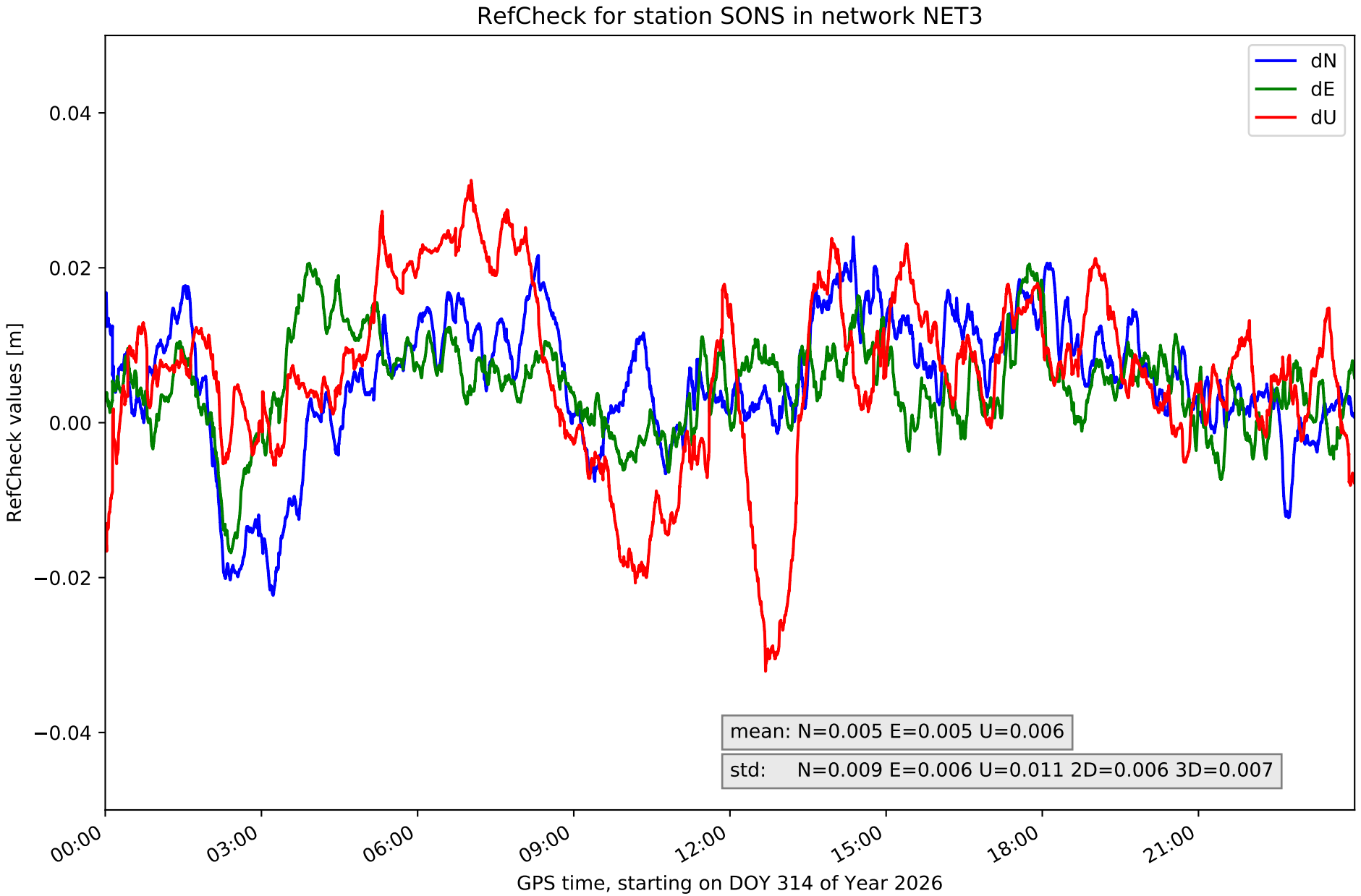

RefCheck for station CUEN in network NET3
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.005 E=0.0 U=0.001
std: N=0.003 E=0.003 U=0.006 2D=0.003 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

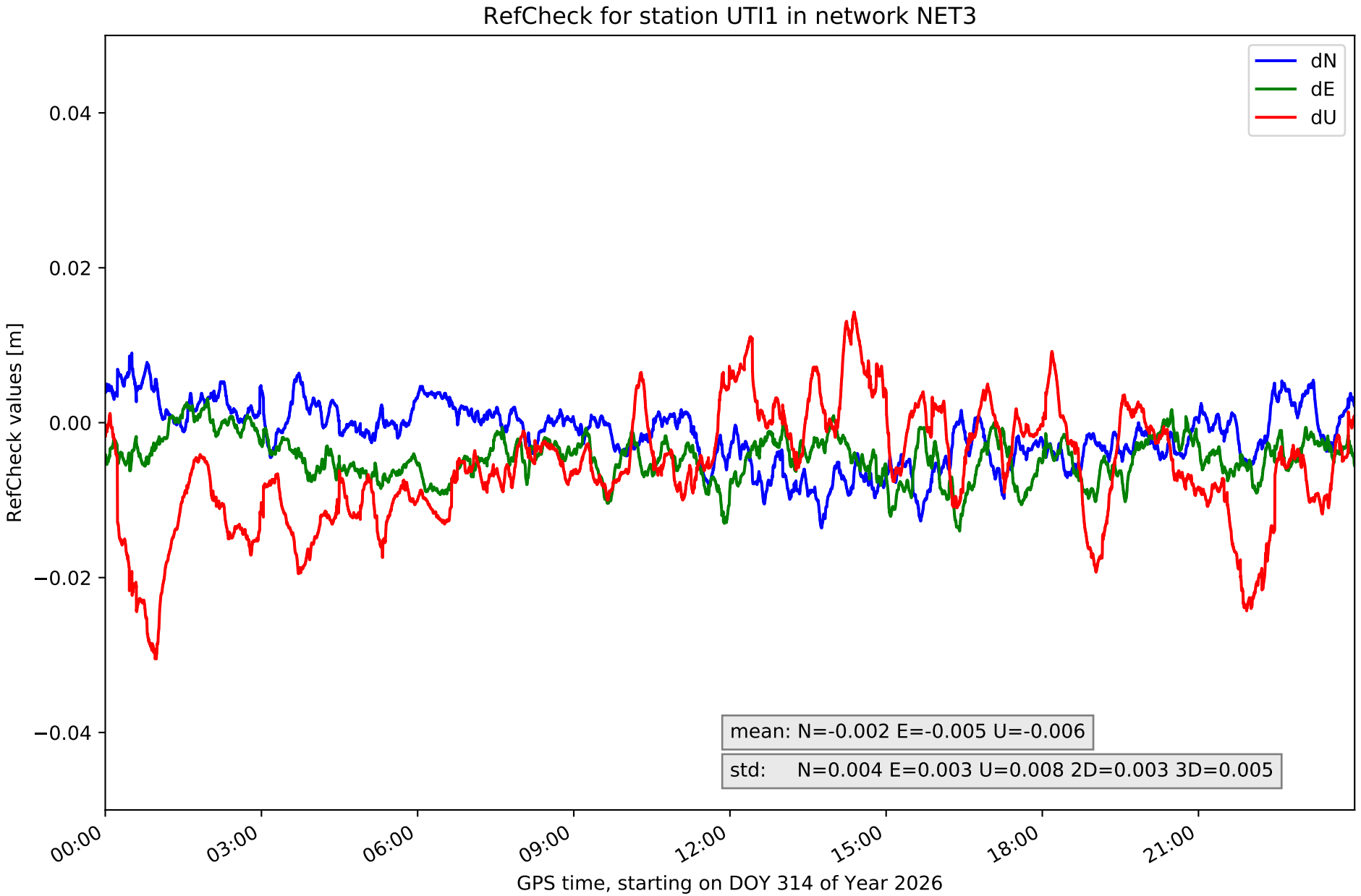

RefCheck for station JUMA in network NET3
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.001 E=-0.001 U=-0.003
std: N=0.003 E=0.004 U=0.008 2D=0.002 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

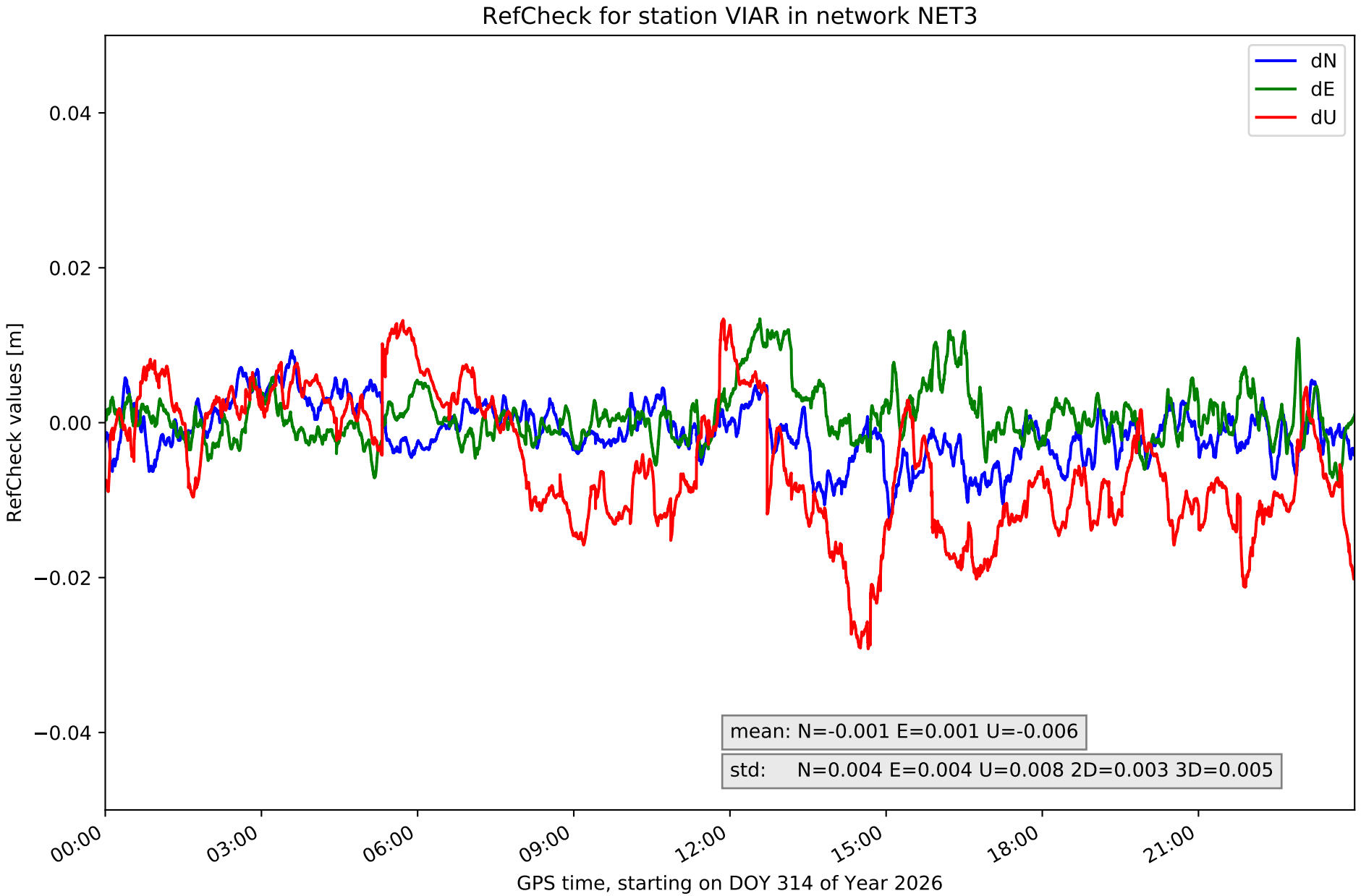

RefCheck for station MOTA in network NET3
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.003 E=0.001 U=0.003
std: N=0.004 E=0.003 U=0.008 2D=0.003 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026

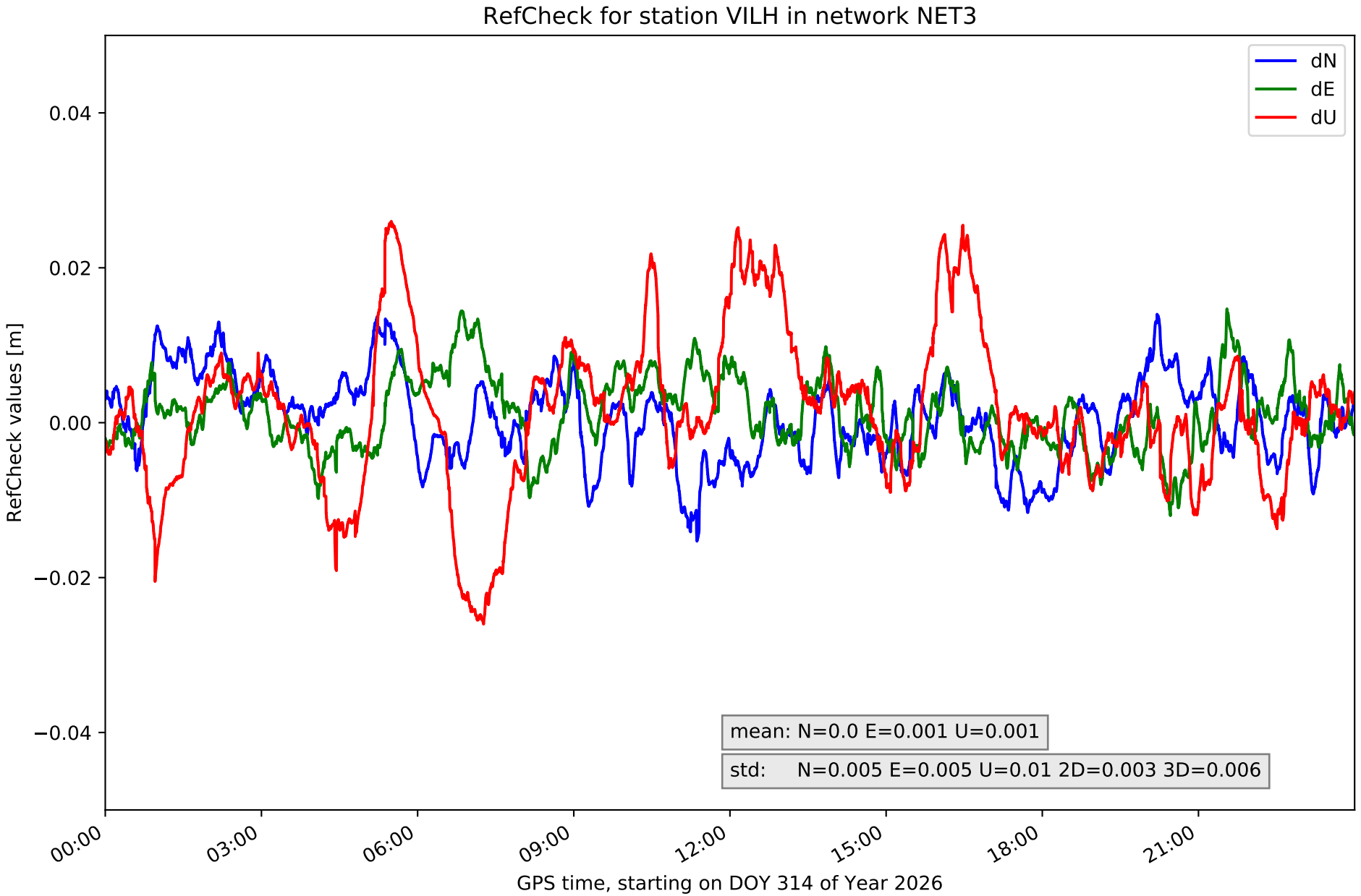

RefCheck for station MOTI in network NET3
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.001 E=0.0 U=-0.003
std: N=0.004 E=0.004 U=0.012 2D=0.002 3D=0.006
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026


RefCheck for station MRAT in network NET3
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.002 E=-0.007 U=-0.004
std: N=0.004 E=0.006 U=0.009 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 314 of Year 2026


RefCheck for station SONS in network NET3
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.005 E=0.005 U=0.006
std: N=0.009 E=0.006 U=0.011 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 314 of Year 2026


RefCheck for station UTI1 in network NET3
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.002 E=-0.005 U=-0.006
std: N=0.004 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 314 of Year 2026


RefCheck for station VIAR in network NET3
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.001 E=0.001 U=-0.006
std: N=0.004 E=0.004 U=0.008 2D=0.003 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 314 of Year 2026


RefCheck for station VILH in network NET3
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.0 E=0.001 U=0.001
std: N=0.005 E=0.005 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 314 of Year 2026

RefCheck values for network NET3

Station	Nmin	Nmax	Nstd	Emin	Emax	Estd	Umin	Umax	Ustd	std2D	std3D	#2D > 0.01	% 2D > 0.01	#3D > 0.02	% 3D > 0.02
ALBA	-0.013	0.01	0.004	-0.024	0.007	0.004	-0.025	0.019	0.008	0.004	0.005	7822	10.4	3862	5.2
ALMO	-0.02	**0.027**	0.007	-0.01	0.02	0.005	-0.026	**0.033**	0.009	0.004	0.006	24031	32.1	8206	11.0
CLTR	-0.015	0.012	0.004	-0.009	0.015	0.004	-0.021	0.018	0.008	0.003	0.004	4226	5.6	1190	1.6
COBA	-0.014	0.016	0.005	-0.016	**0.022**	0.005	-0.038	0.027	**0.012**	0.004	**0.007**	9637	12.9	13364	17.8
CUEN	-0.015	0.008	0.003	-0.008	0.009	0.003	-0.019	0.019	0.006	0.003	0.004	5432	7.3	370	0.5
JUMA	-0.01	0.011	0.003	-0.012	0.008	0.004	-0.028	0.015	0.008	0.002	0.005	1174	1.6	2798	3.7
MOTA	-0.016	0.011	0.004	-0.013	0.014	0.003	-0.026	0.022	0.008	0.003	0.005	7870	10.5	1956	2.6
MOTI	-0.013	0.011	0.004	-0.011	0.01	0.004	-0.031	0.031	**0.012**	0.002	0.006	2747	3.7	10093	13.5
MRAT	-0.015	0.01	0.004	**-0.029**	0.01	**0.006**	**-0.044**	0.026	0.009	0.005	**0.007**	26347	35.2	6571	8.8
SONS	**-0.022**	0.024	**0.009**	-0.017	0.021	**0.006**	-0.032	0.031	0.011	**0.006**	**0.007**	**40196**	**53.7**	**23592**	**31.5**
UTI1	-0.014	0.009	0.004	-0.014	0.003	0.003	-0.03	0.014	0.008	0.003	0.005	7848	10.5	4257	5.7
VIAR	-0.013	0.009	0.004	-0.007	0.013	0.004	-0.029	0.013	0.008	0.003	0.005	4713	6.3	4675	6.2
VILH	-0.015	0.014	0.005	-0.012	0.015	0.005	-0.026	0.026	0.01	0.003	0.006	11056	14.8	7753	10.4
Mean	**-0.015**	**0.013**	**0.005**	**-0.014**	**0.013**	**0.004**	**-0.029**	**0.023**	**0.009**	**0.003**	**0.006**	**11776.8**	**15.7**	**6822.1**	**9.1**
Min/Max	**-0.022**	**0.027**	**0.009**	**-0.029**	**0.022**	**0.006**	**-0.044**	**0.033**	**0.012**	**0.006**	**0.007**	**40196**	**53.7**	**23592**	**31.5**

fixing statistic for network NET3

fixing percentage of	all GNSS	G	R	E	C
using threshold 0.3	94.3	95.0	93.8	95.6	92.8
considering satellites with dual-frequency fixed	92.3	92.8	91.6	93.4	90.6
considering all signals separately	92.4	92.9	91.6	94.0	89.0