summary for network NET7

timeperiod chosen: from 2024-10-14-00:00:00 until 2024-10-14-23:59:57

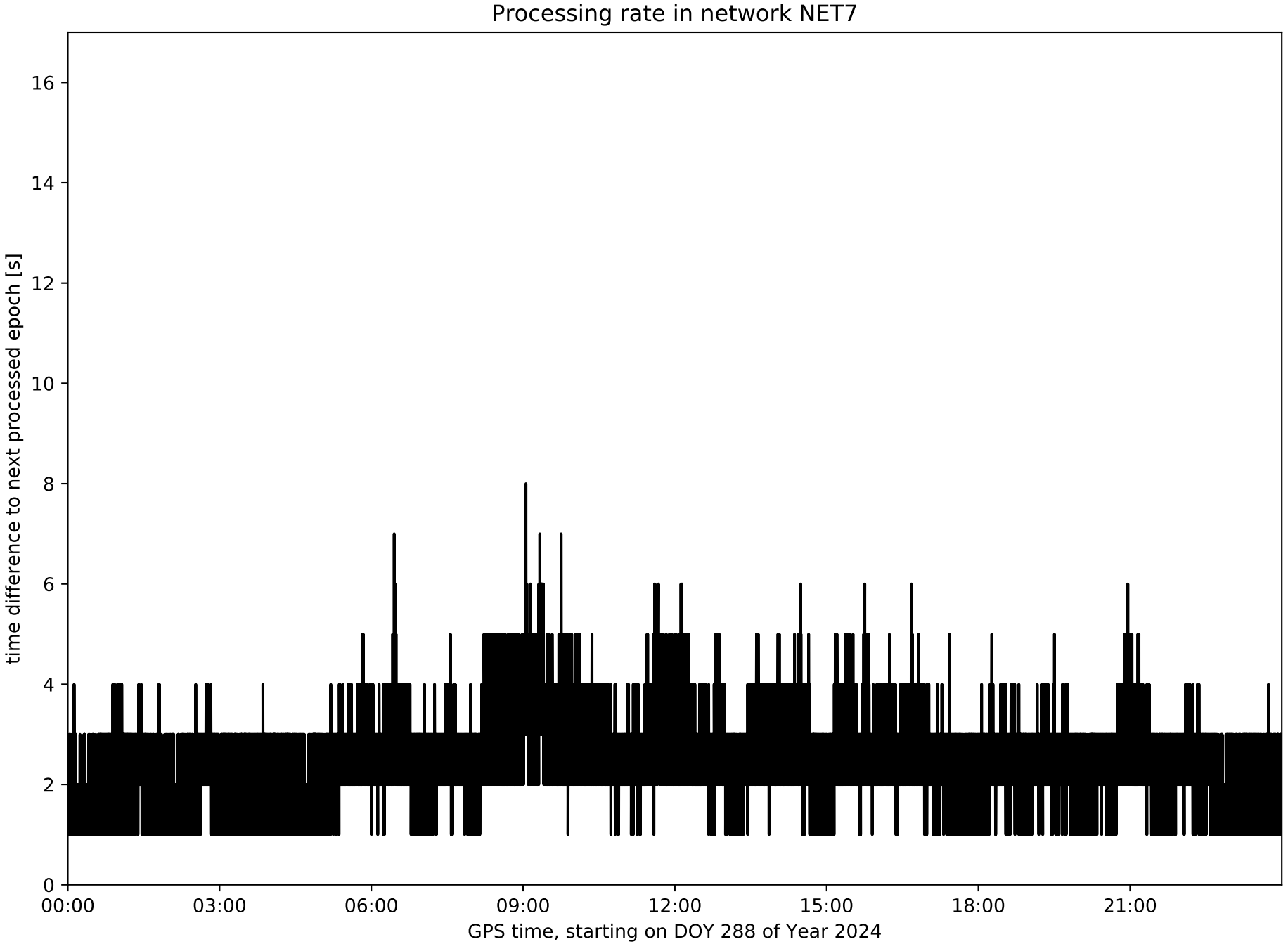
average update rate (durations larger than 15 seconds considered as observation gap): 2.2 seconds

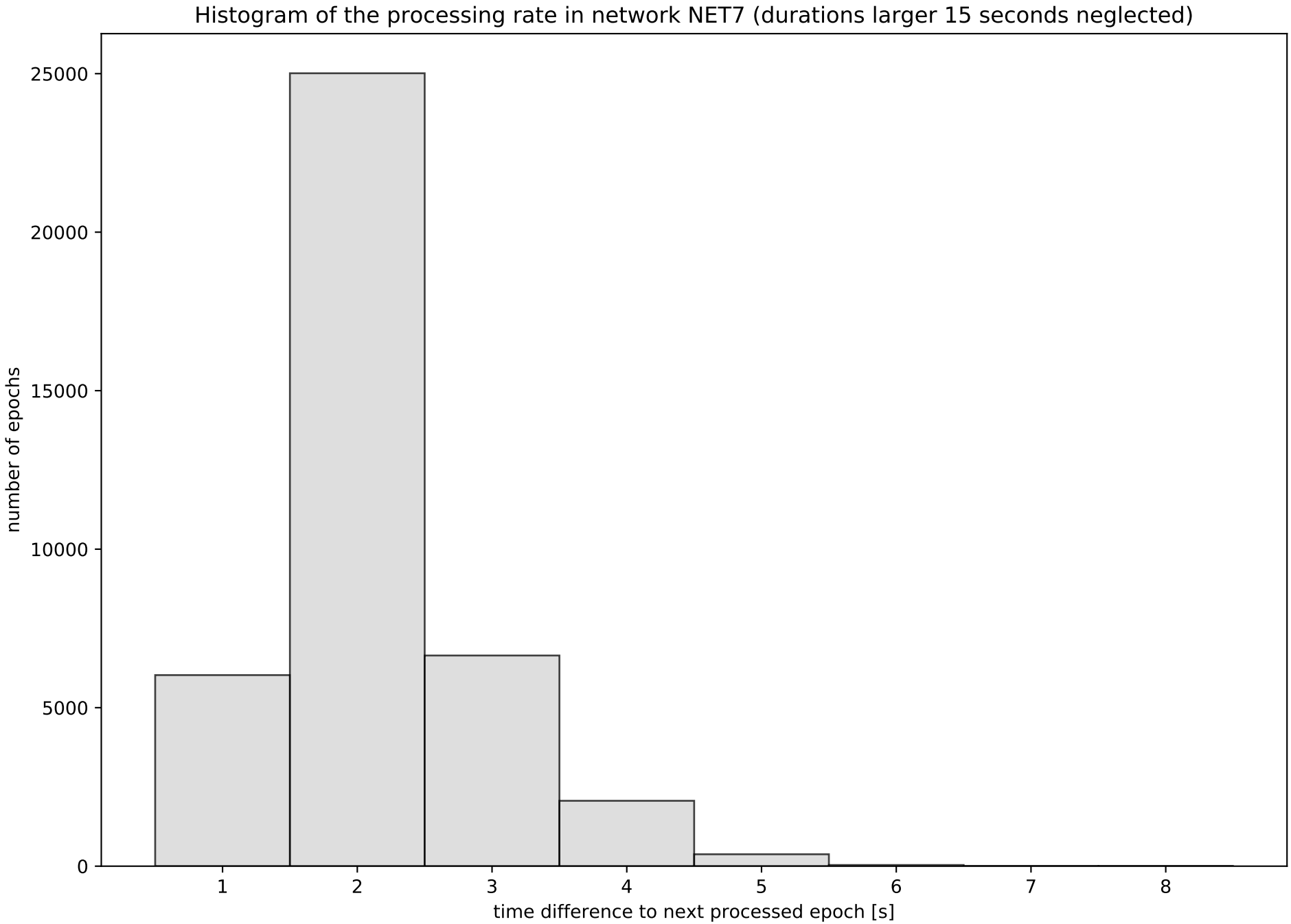
average fixing percentage with threshold set to 0.3: 84.7 percent

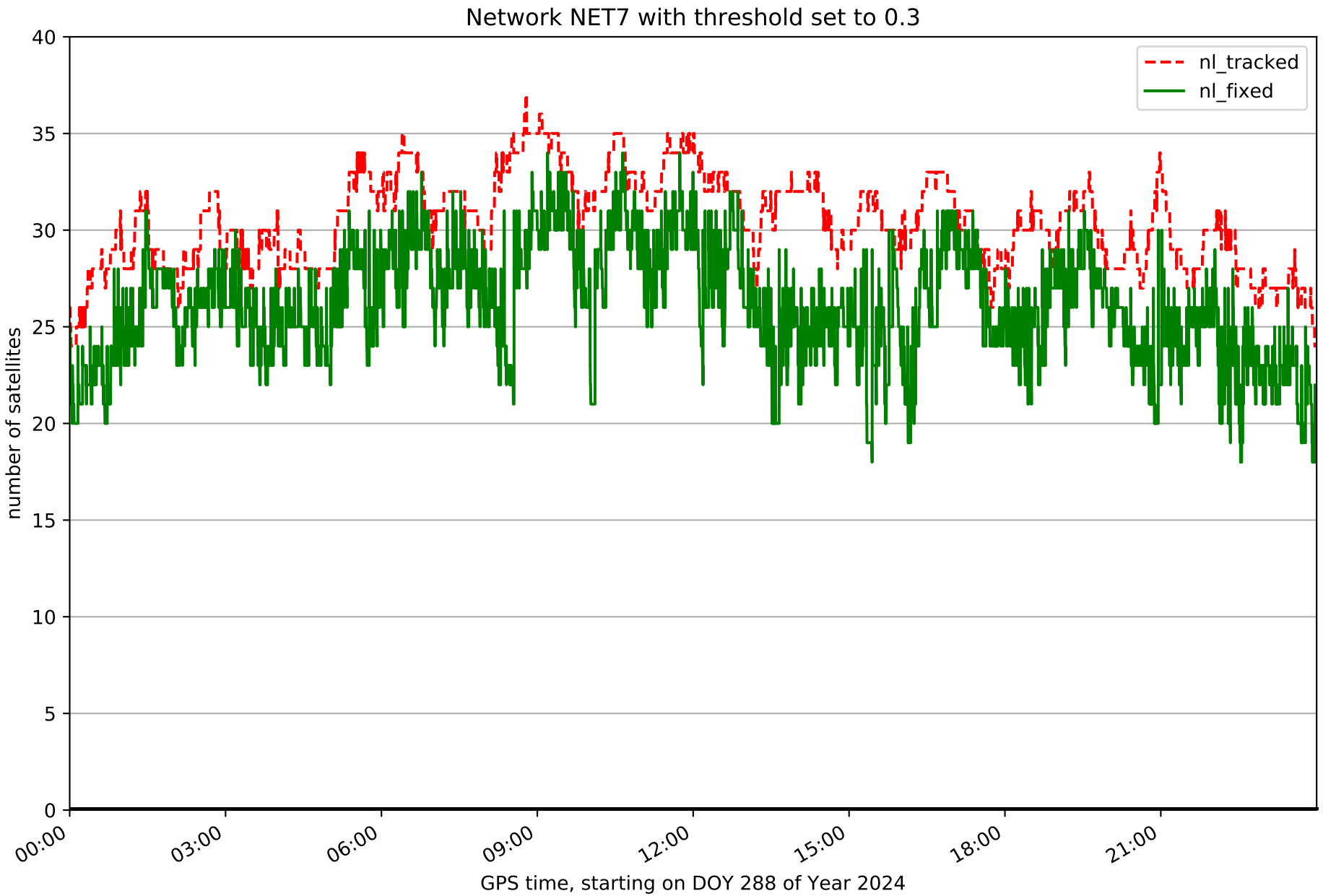
stations available: 17 of 17

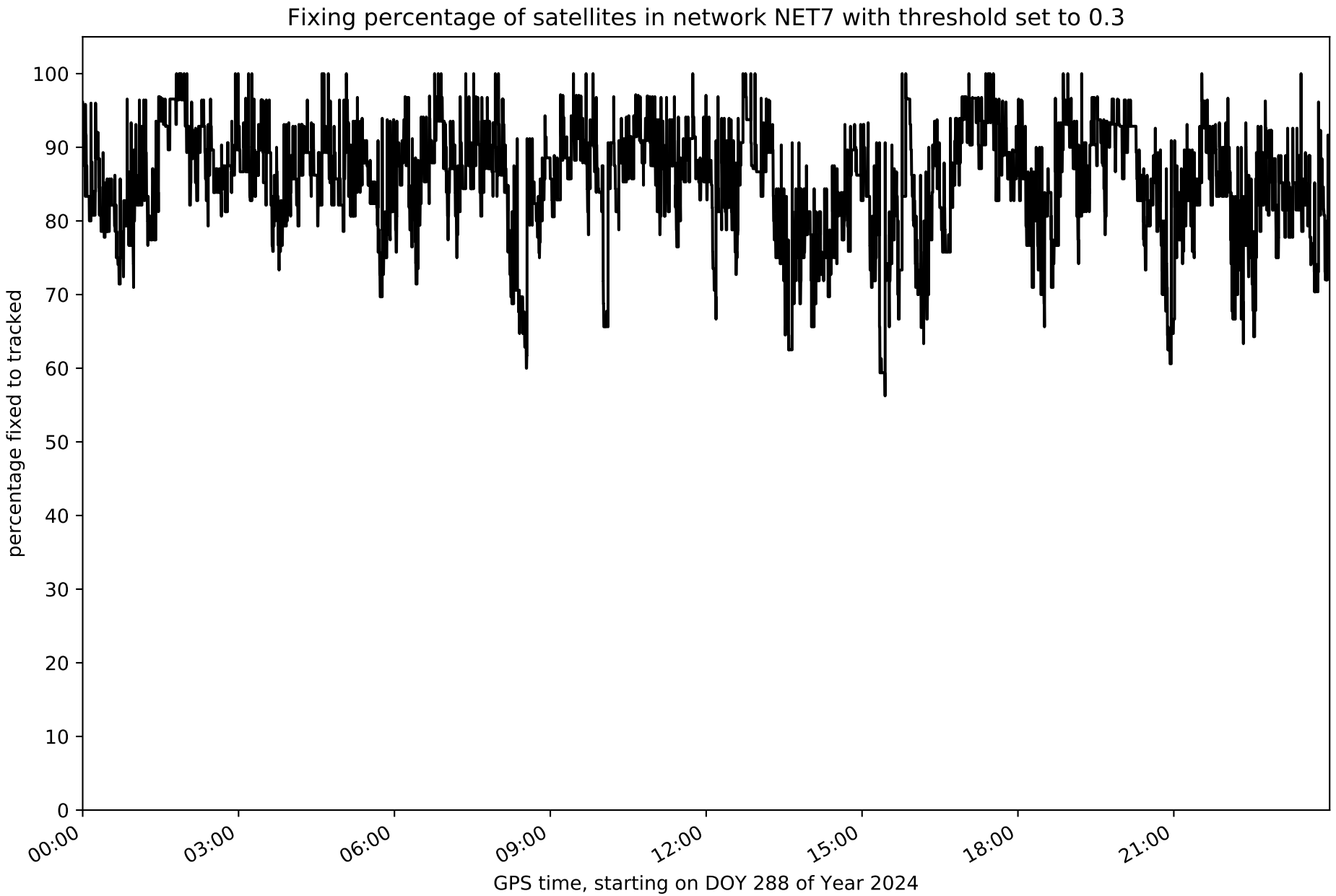
station information:

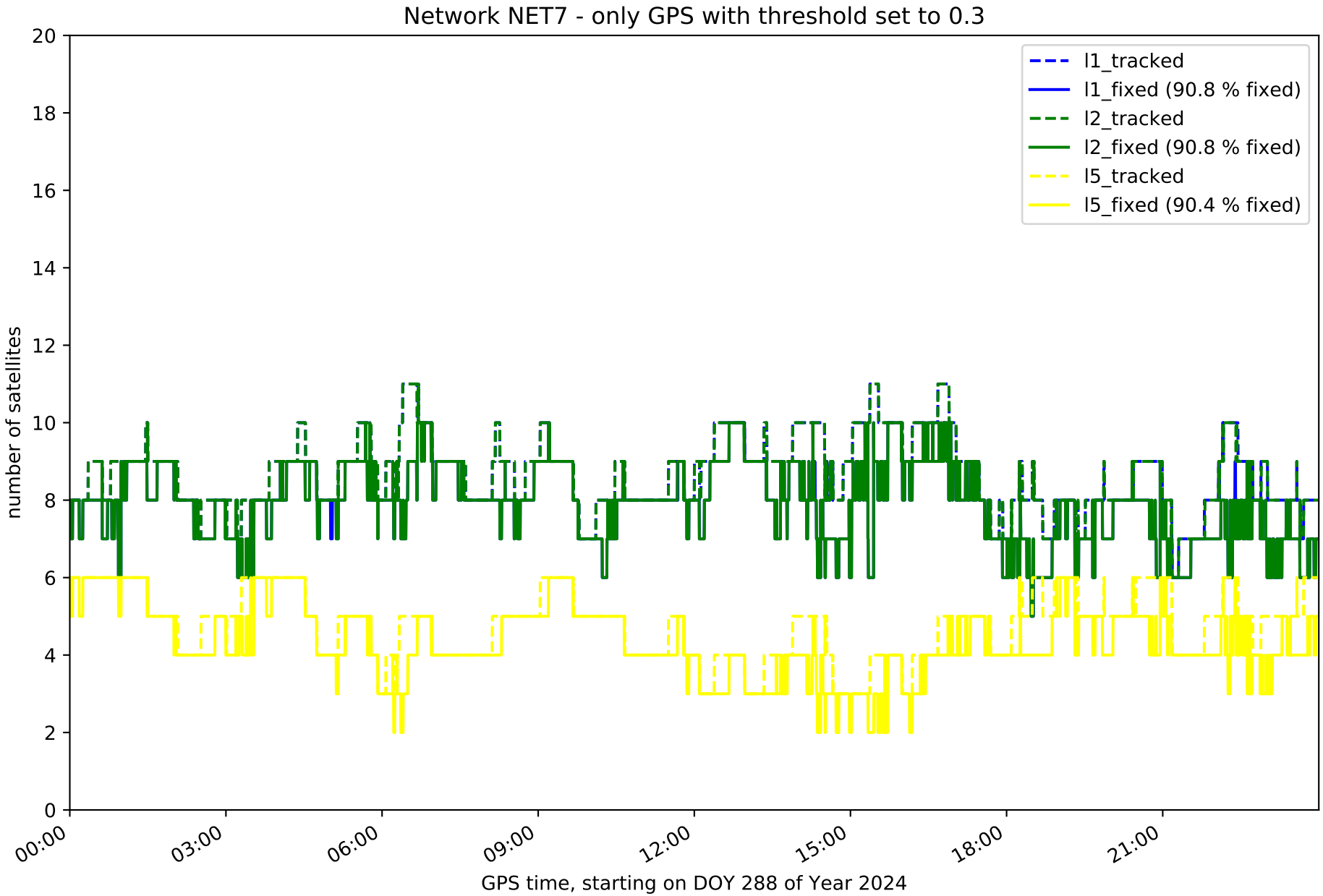
station AVL1:	antenna: LEIAR20	LEIM	receiver: LEICA GR50	height: 78.448
station CANT:	antenna: LEIAR25.R4	LEIT	receiver: LEICA GR10	height: 102.294
station LARE:	antenna: GPPNULLANTENNA	NONE	receiver: LEICA GR50	height: 65.068
station LENA:	antenna: TPSCR.G5C	TPSH	receiver: TPS NET-G5	height: 382.176
station LEON:	antenna: LEIAR25	NONE	receiver: LEICA GR50	height: 970.294
station MDPM:	antenna: GPPNULLANTENNA	NONE	receiver: LEICA GR50	height: 658.901
station MIBR:	antenna: LEIAR25	LEIT	receiver: TRIMBLE NETR9	height: 526.687
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 SALS:	antenna: TPSCR.G5C	TPSH	receiver: TPS NET-G5	height: 294.418
station TRLV:	antenna: GPPNULLANTENNA	NONE	receiver: LEICA GR30	height: 79.815
station VBLO:	antenna: LEIAR20	LEIM	receiver: LEICA GR50	height: 1056.603
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

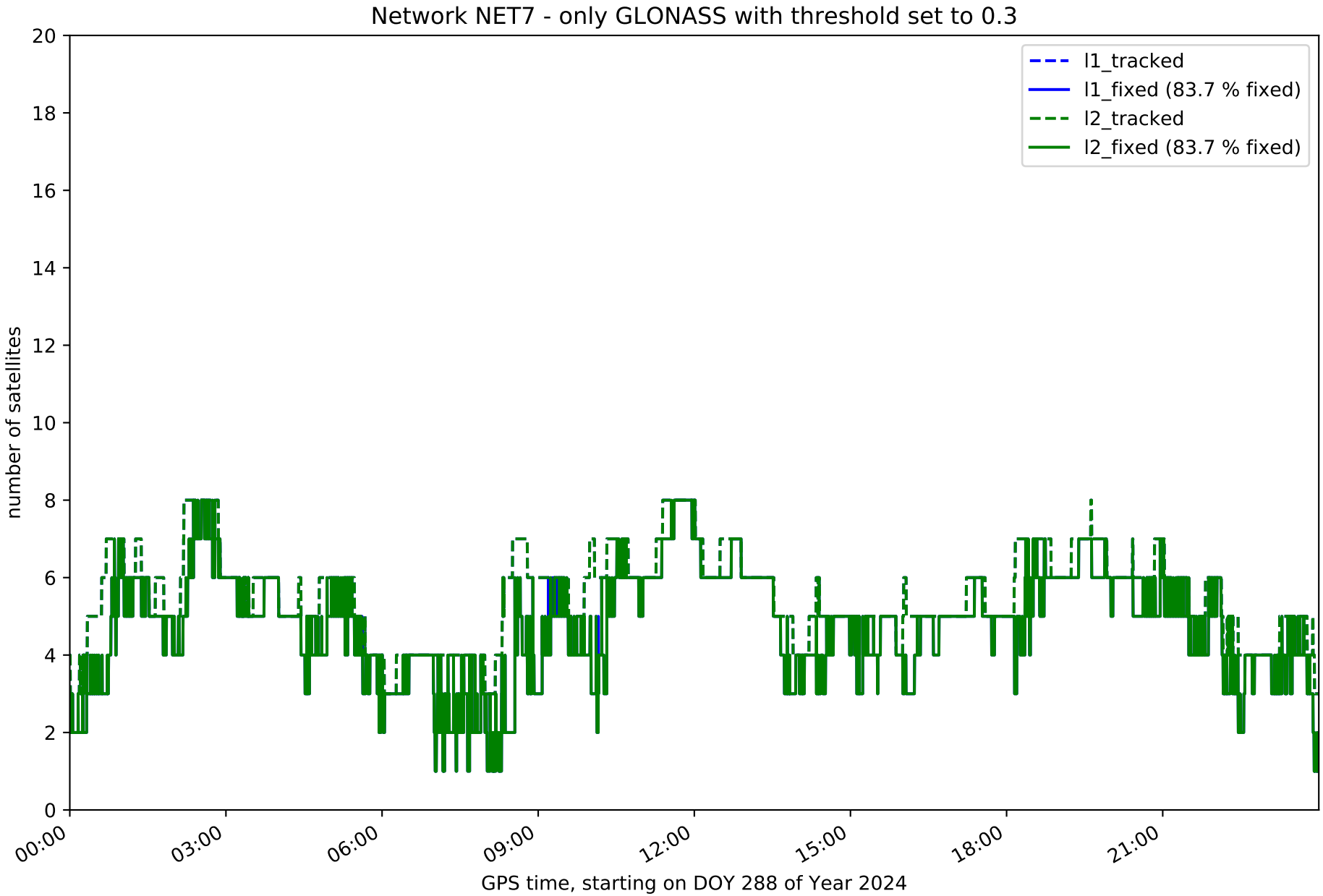

Processing rate in network NET7
time difference to next processed epoch [s]
0
2
4
6
8
10
12
14
16
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 288 of Year 2024

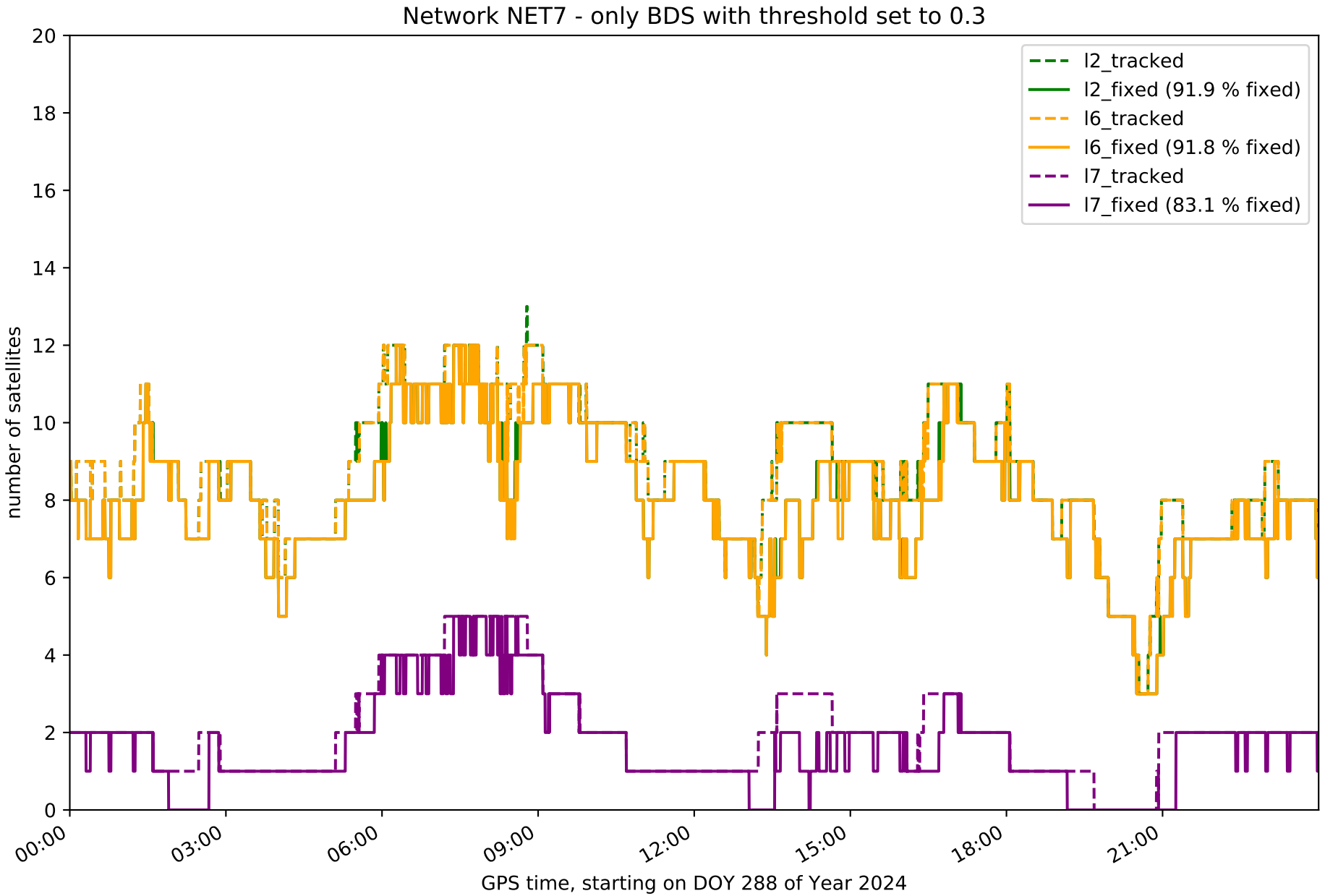

Histogram of the processing rate in network NET7 (durations larger 15 seconds neglected)
number of epochs
25000
20000
15000
10000
5000
0
1
2
3
4
5
6
7
8
time difference to next processed epoch [s]

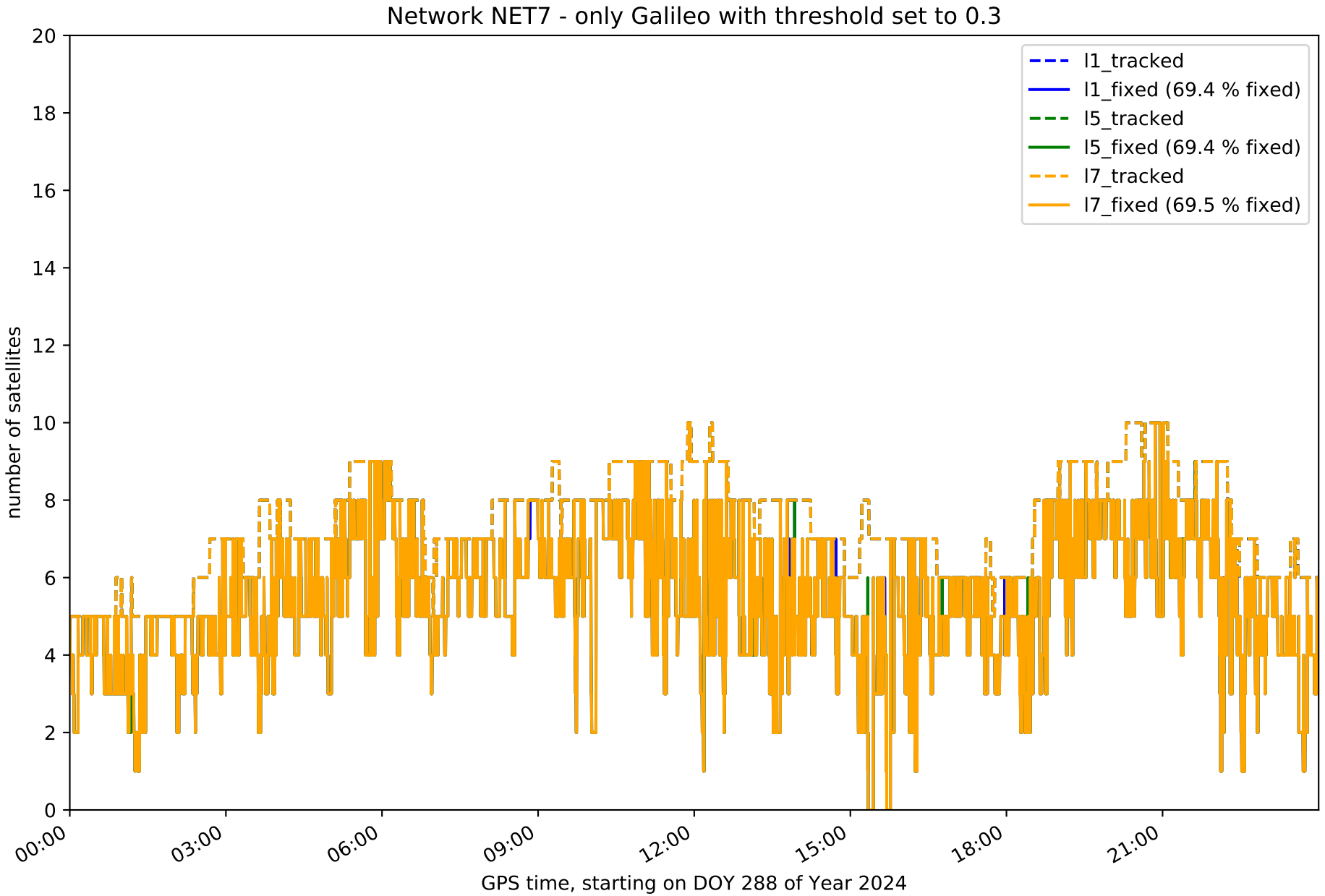

Network NET7 with threshold set to 0.3
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
40
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 288 of Year 2024

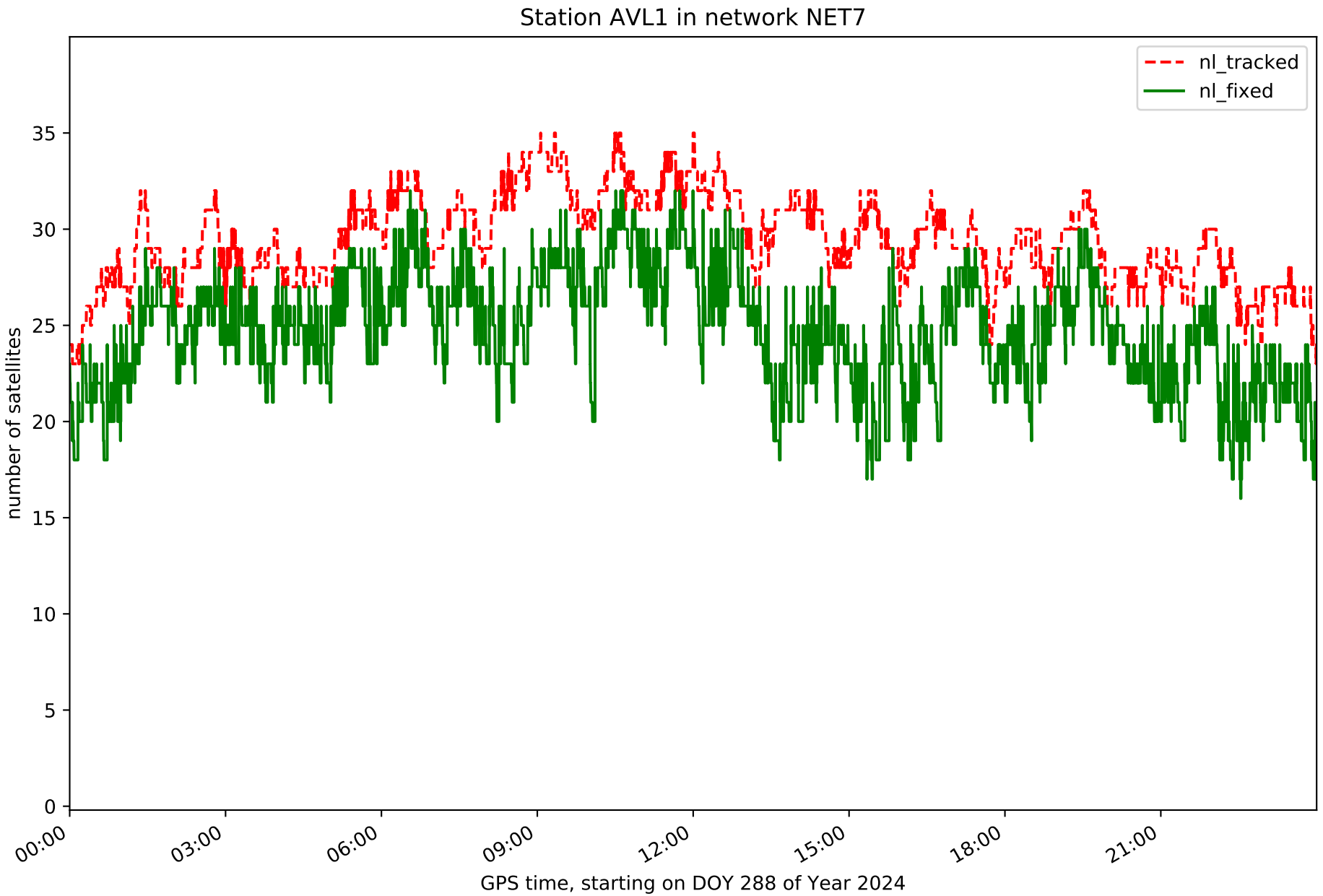

Fixing percentage of satellites in network NET7 with threshold set to 0.3
percentage fixed to tracked
0
10
20
30
40
50
60
70
80
90
100
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 288 of Year 2024

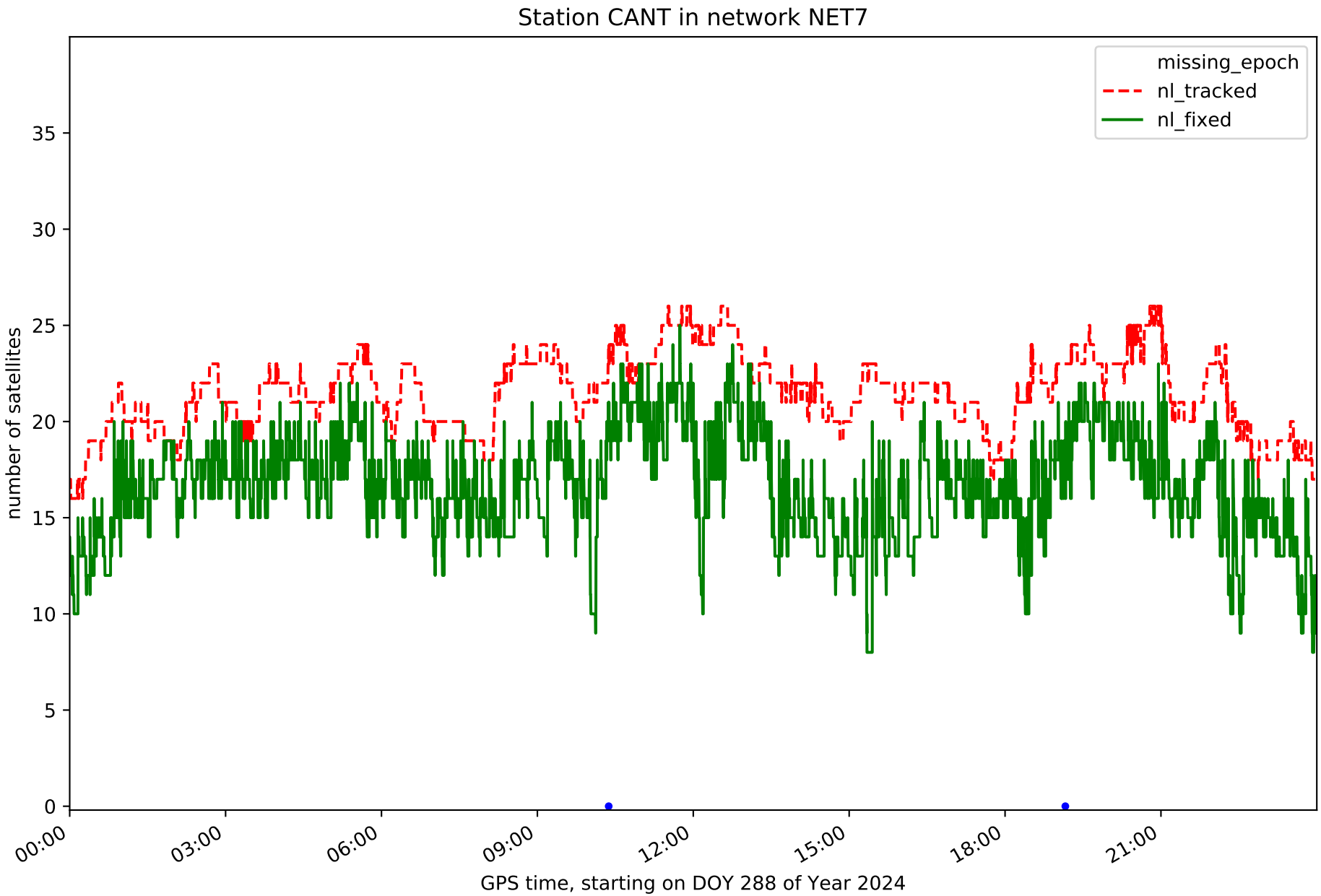

Network NET7 - only GPS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 288 of Year 2024
l1_tracked
l1_fixed (90.8 % fixed)
l2_tracked
l2_fixed (90.8 % fixed)
l5_tracked
l5_fixed (90.4 % fixed)
0
2
4
6
8
10
12
14
16
18
20
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00

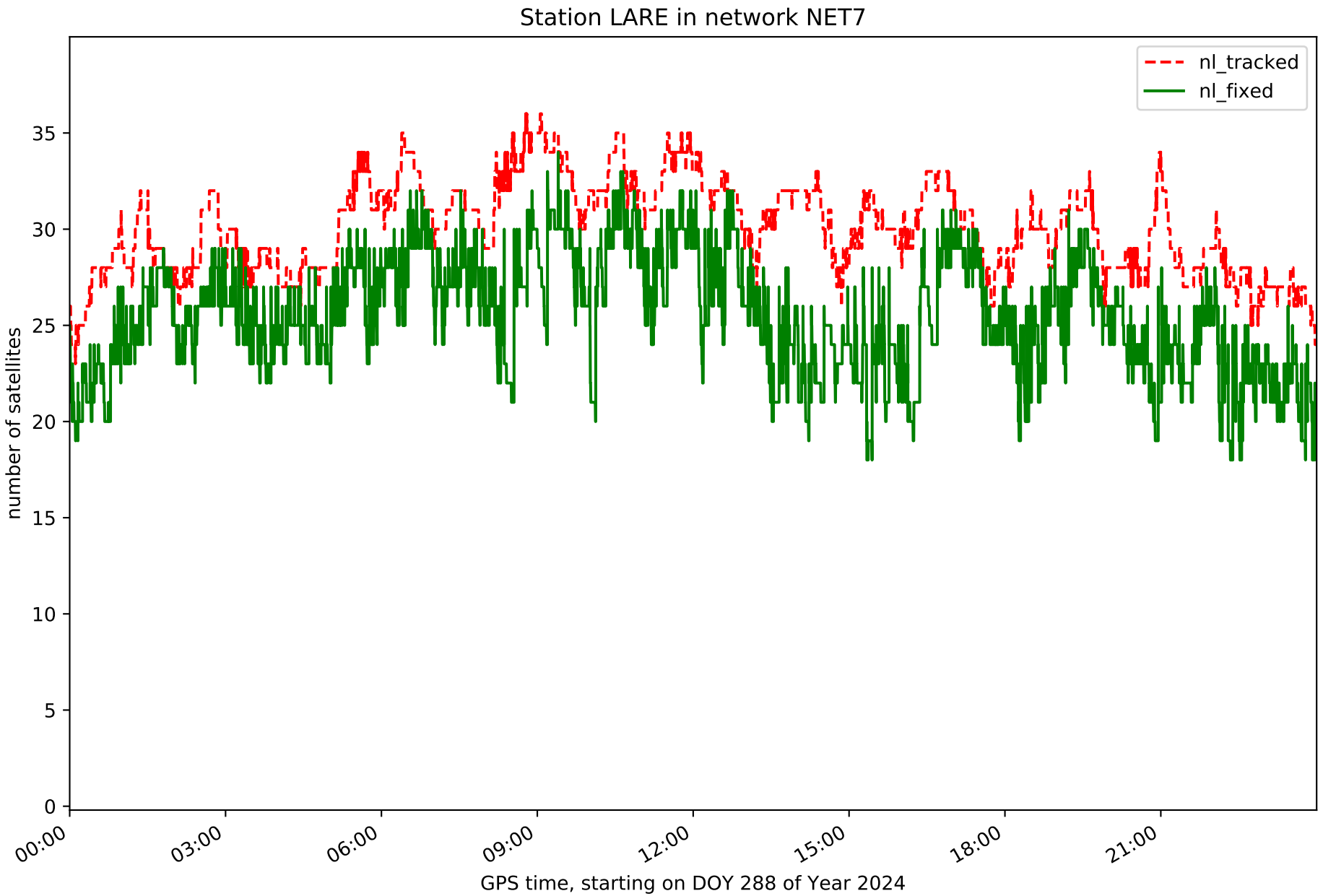

Network NET7 - only GLONASS with threshold set to 0.3
l1_tracked
l1_fixed (83.7 % fixed)
l2_tracked
l2_fixed (83.7 % fixed)
number of satellites
0
2
4
6
8
10
12
14
16
18
20
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 288 of Year 2024

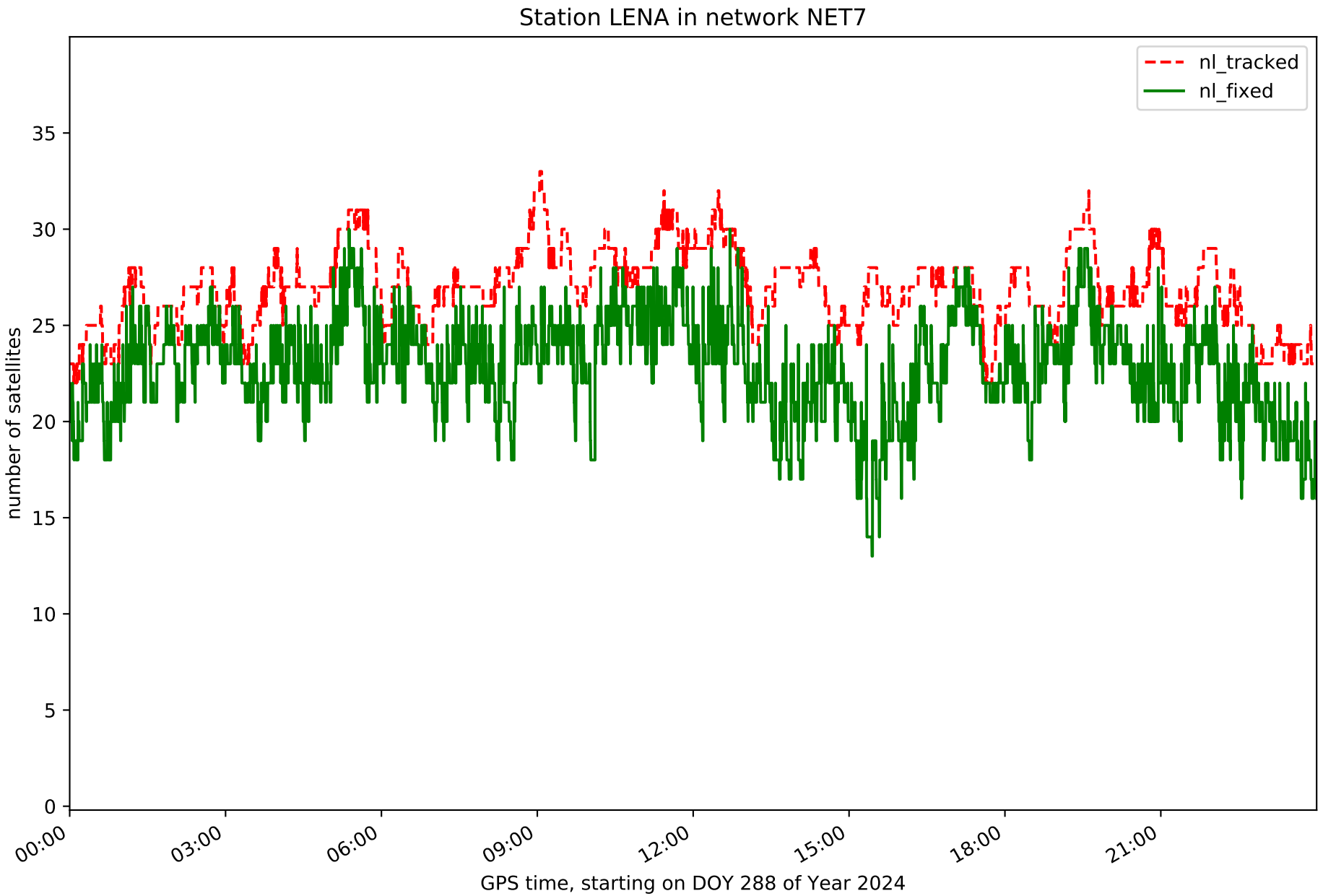

Network NET7 - only BDS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 288 of Year 2024
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
I2_tracked
I2_fixed (91.9 % fixed)
I6_tracked
I6_fixed (91.8 % fixed)
I7_tracked
I7_fixed (83.1 % fixed)

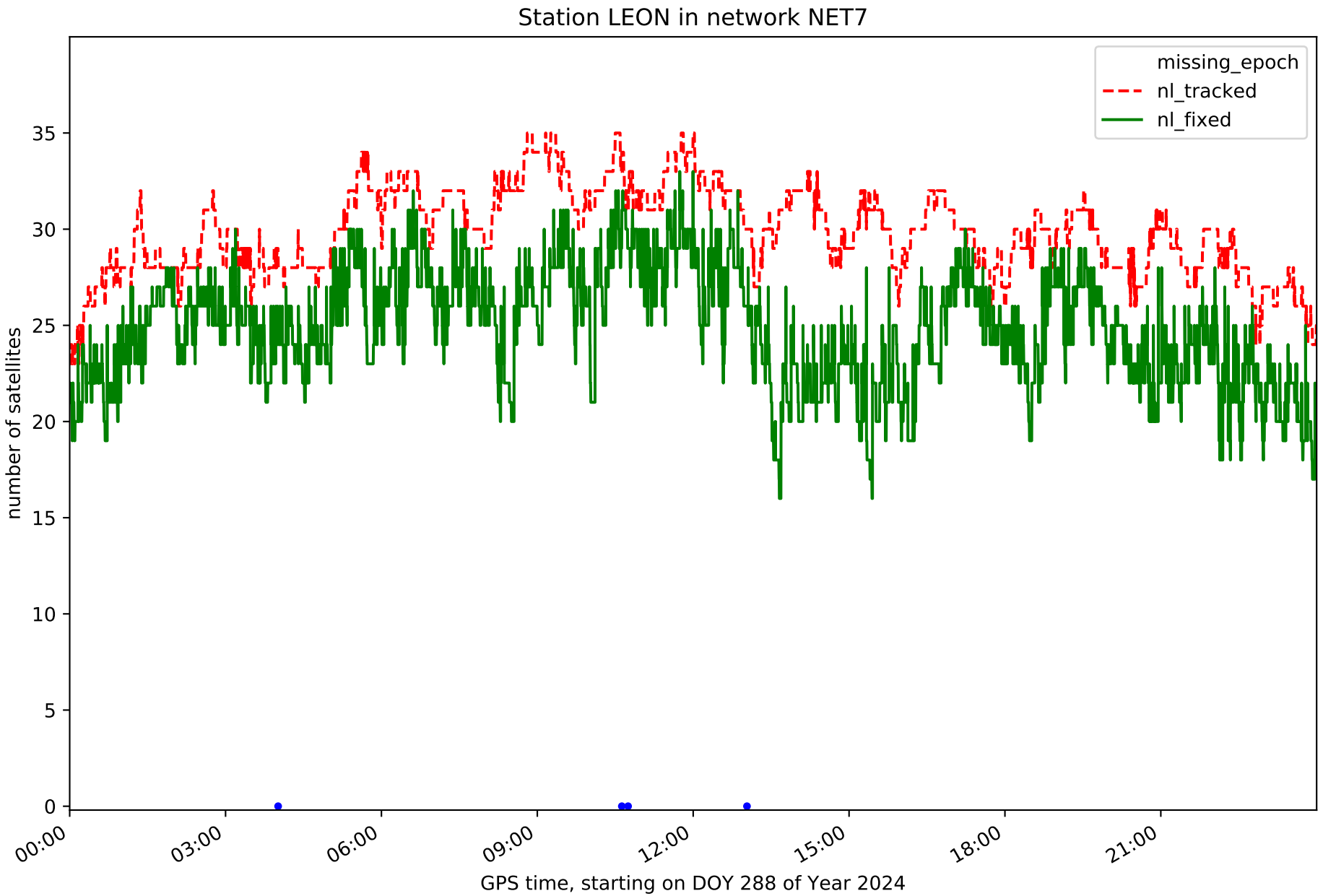

Network NET7 - only Galileo with threshold set to 0.3
number of satellites
GPS time, starting on DOY 288 of Year 2024
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
0
2
4
6
8
10
12
14
16
18
20
l1_tracked
l1_fixed (69.4 % fixed)
l5_tracked
l5_fixed (69.4 % fixed)
l7_tracked
l7_fixed (69.5 % fixed)

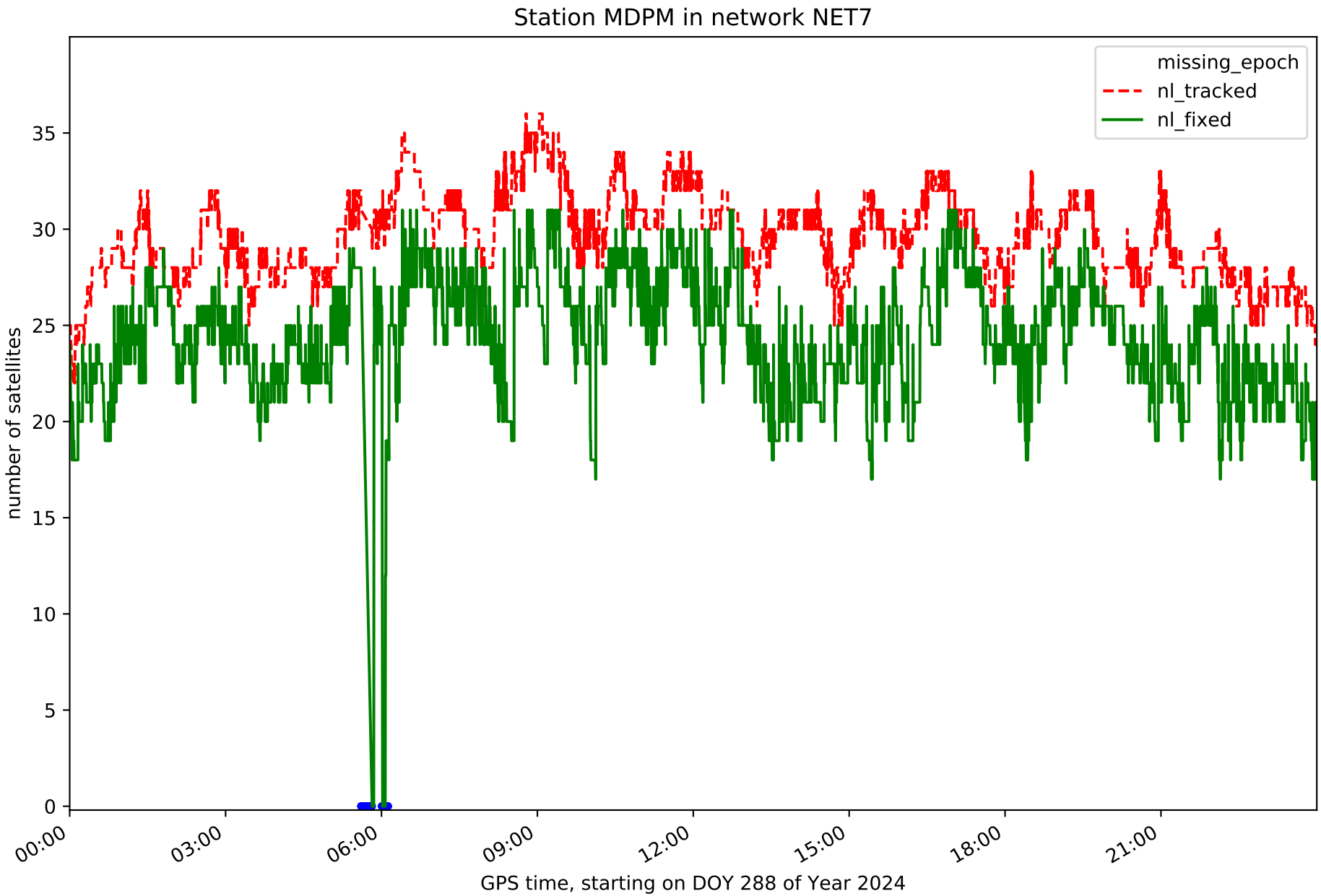

Station AVL1 in network NET7
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 288 of Year 2024

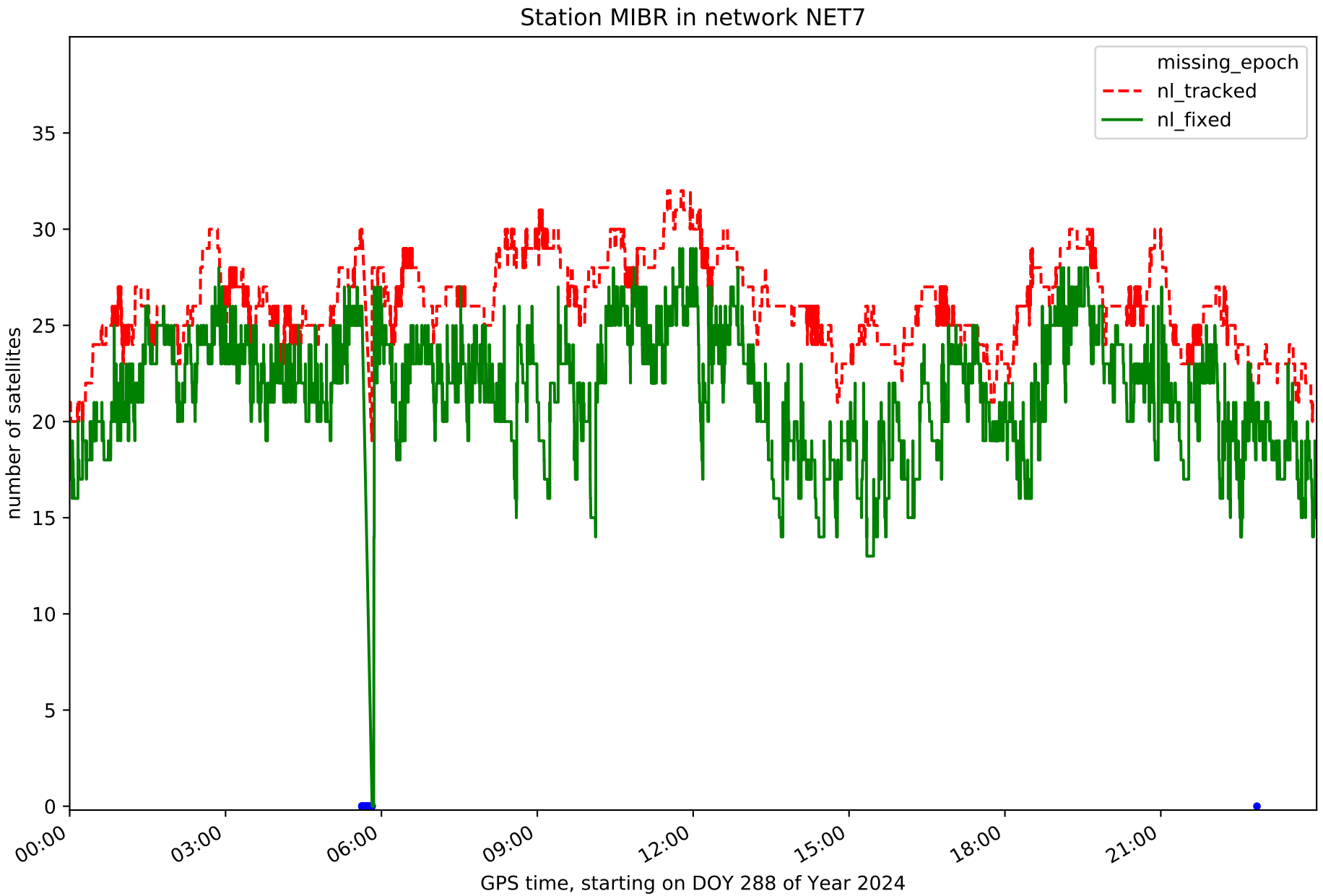

Station CANT in network NET7
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 288 of Year 2024

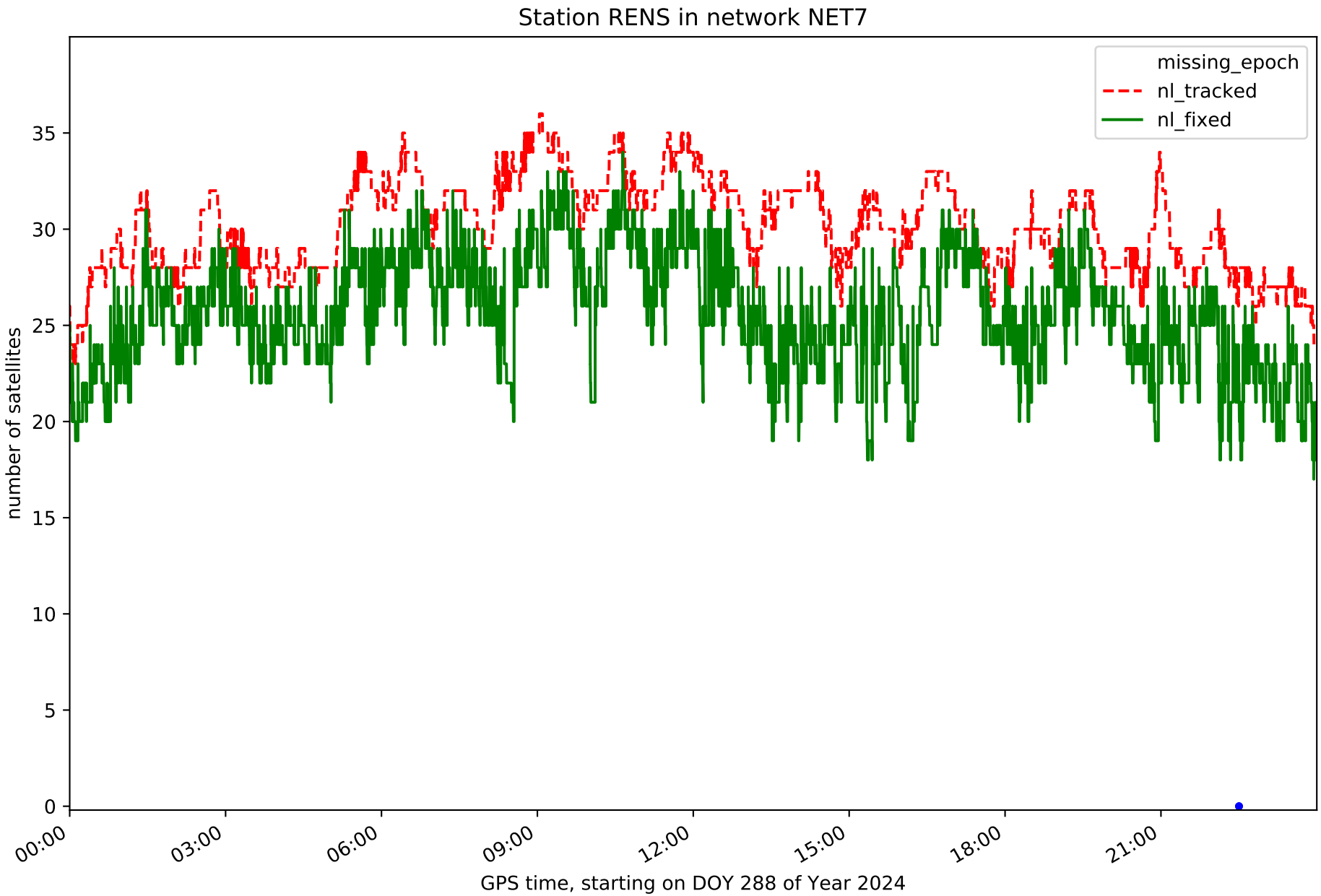

Station LARE in network NET7
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 288 of Year 2024

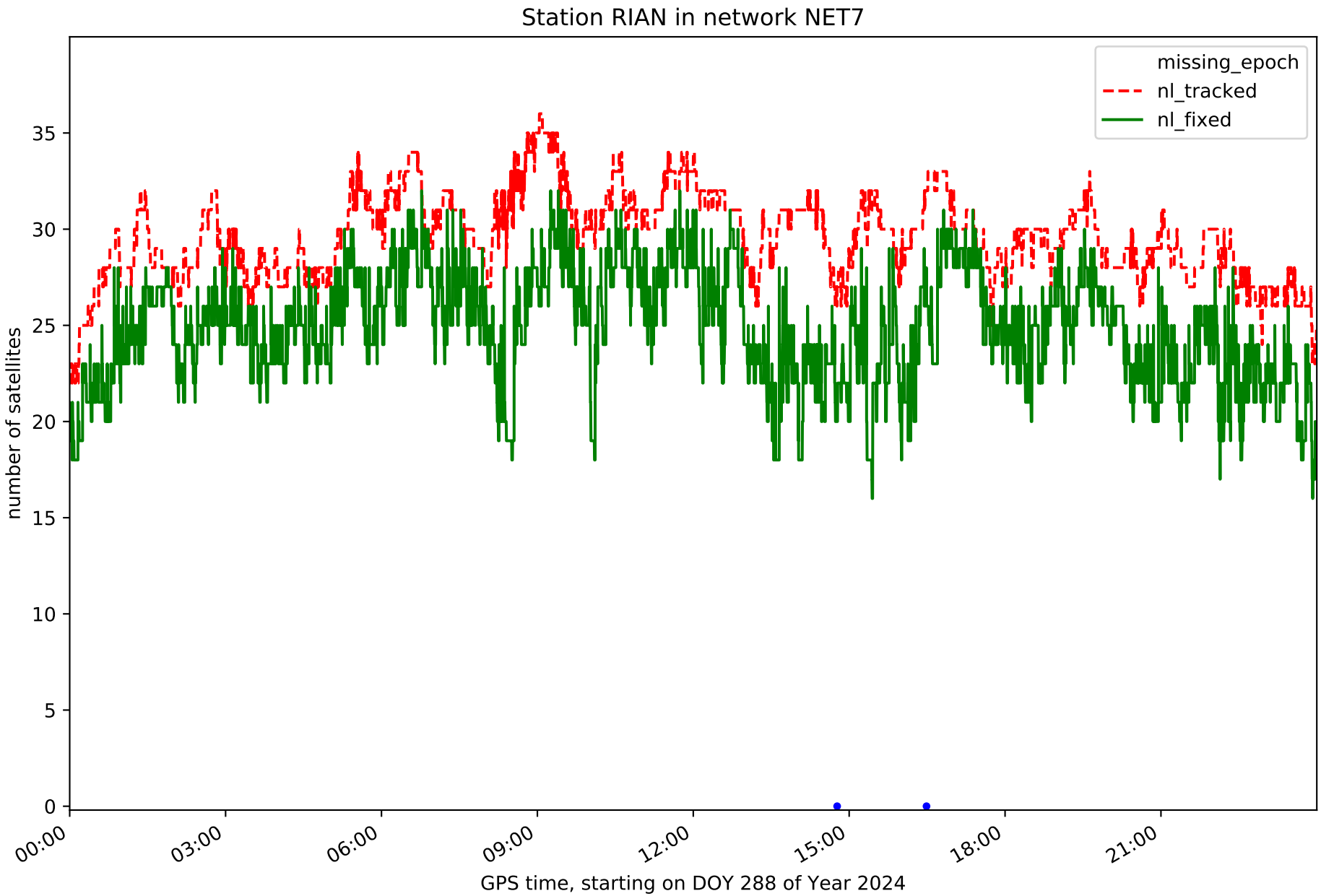

Station LENA in network NET7
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 288 of Year 2024

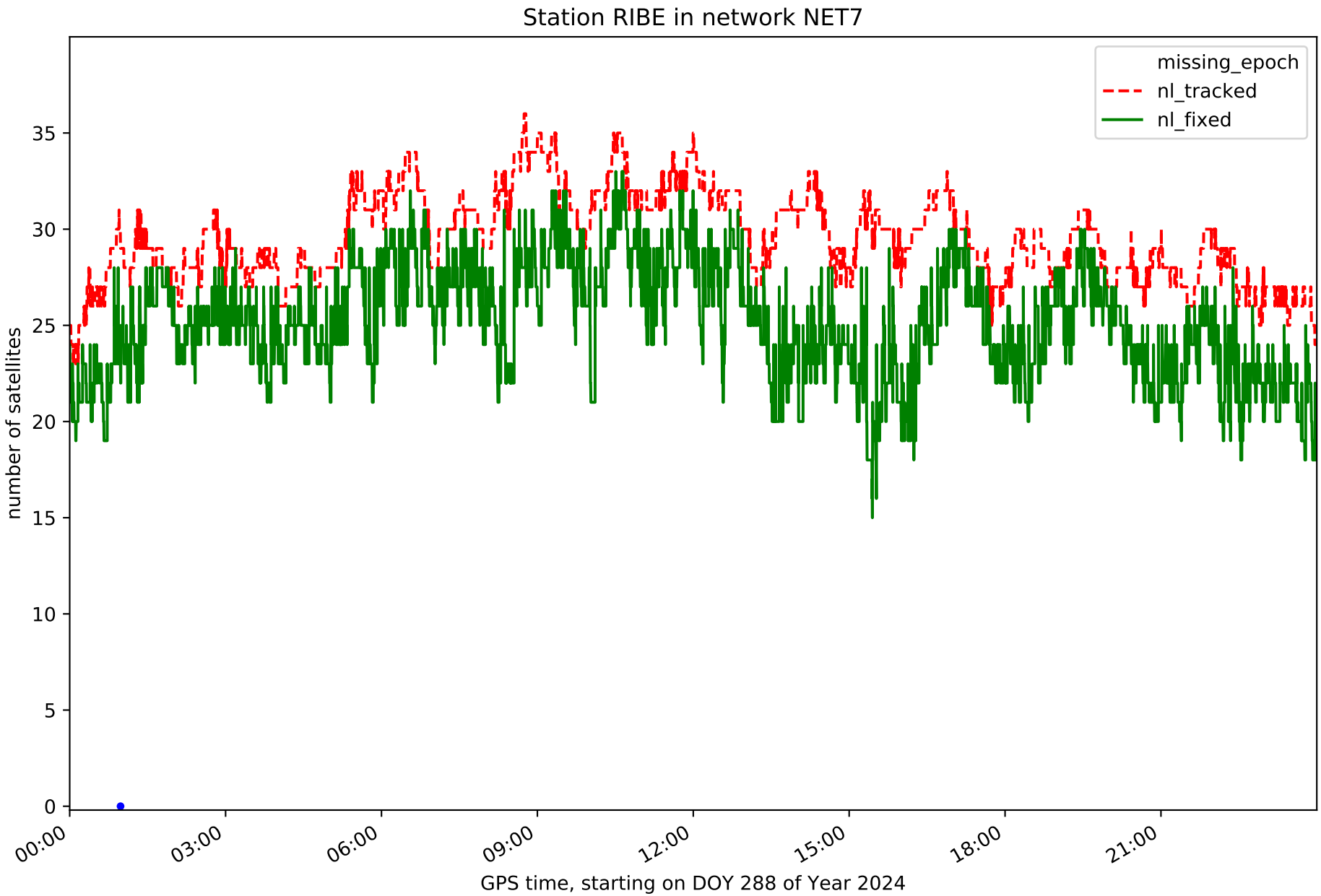

Station LEON in network NET7
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 288 of Year 2024

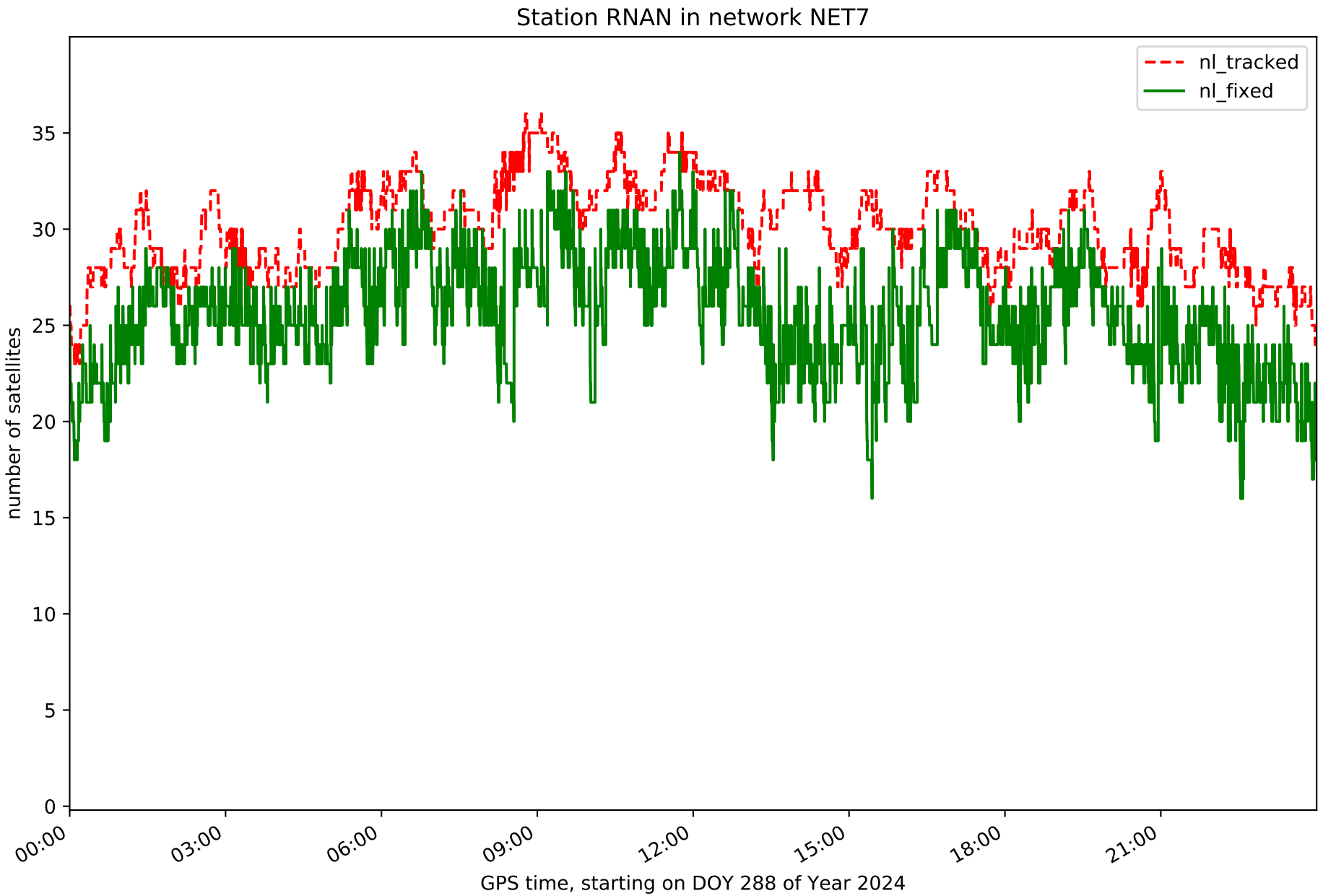

Station MDPM in network NET7
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 288 of Year 2024

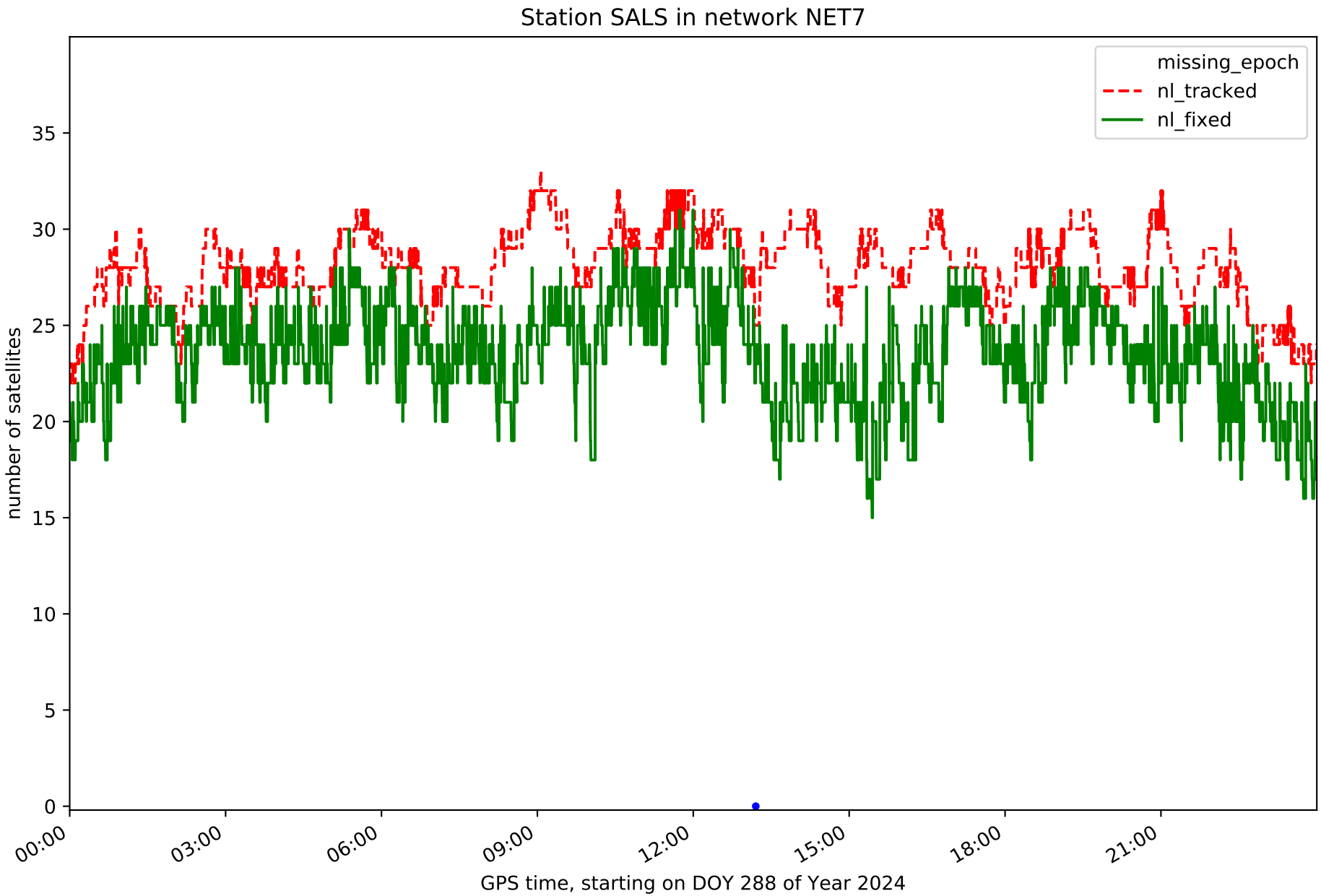

Station MIBR in network NET7
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 288 of Year 2024

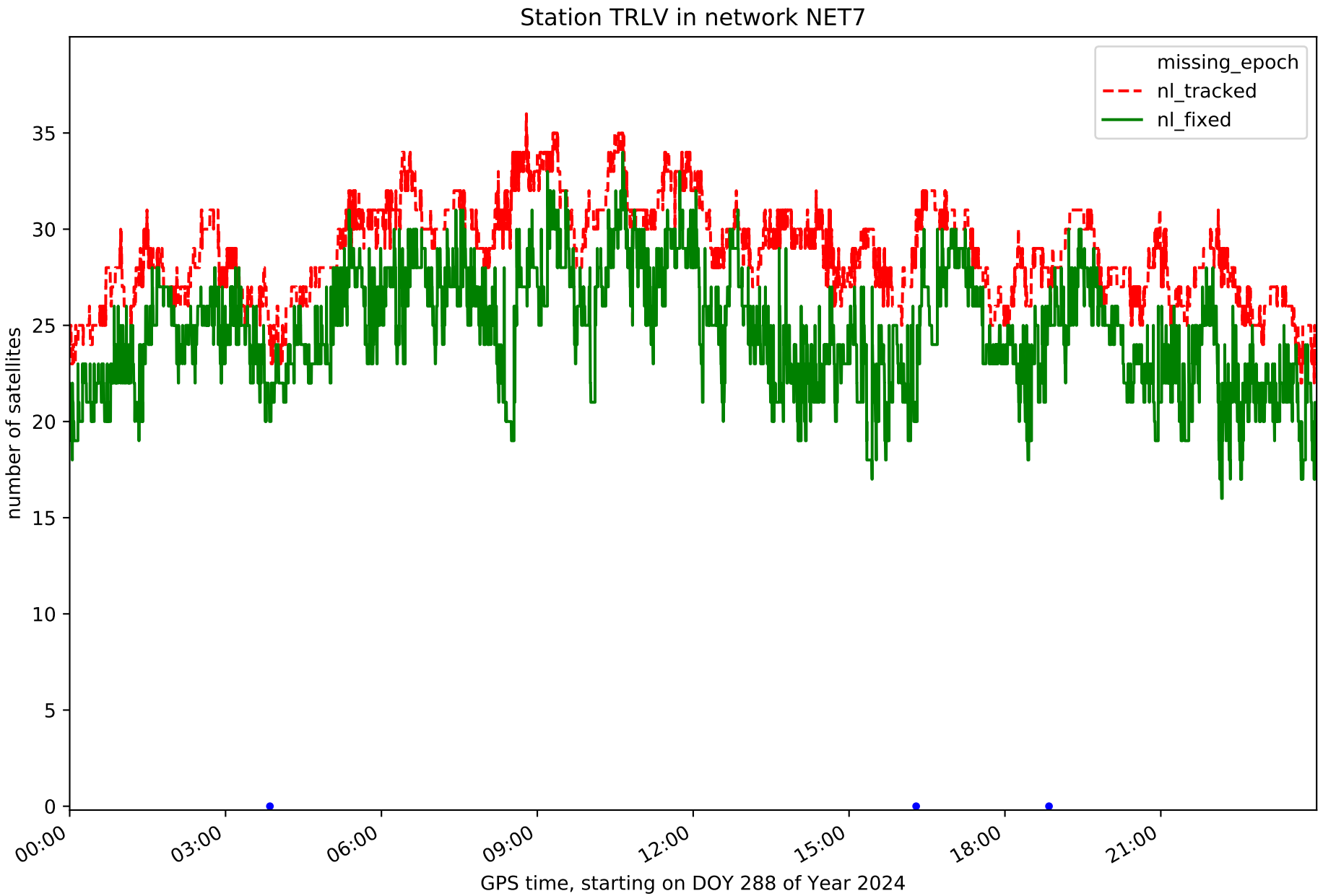

Station RENS in network NET7
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 288 of Year 2024

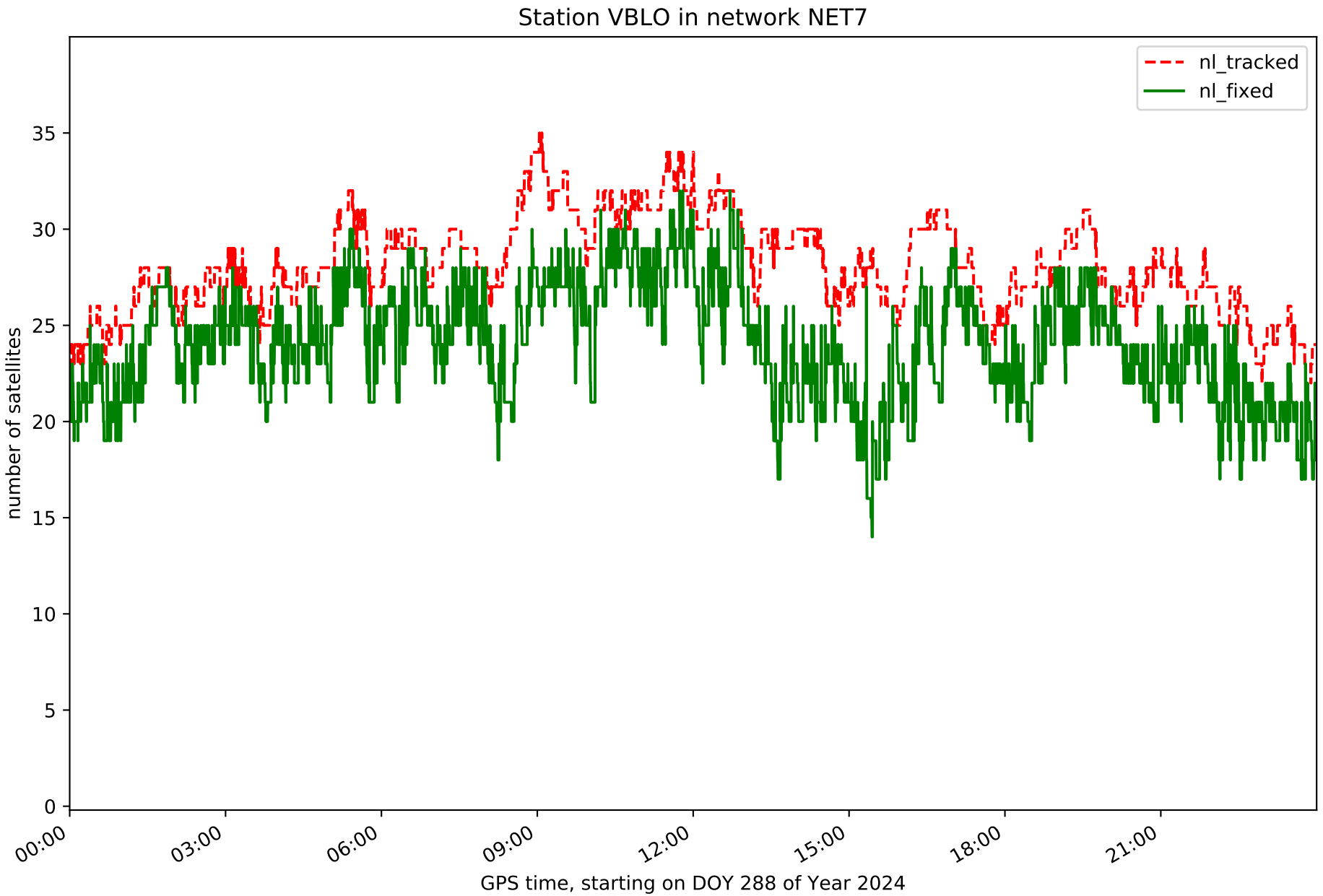

Station RIAN in network NET7
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 288 of Year 2024

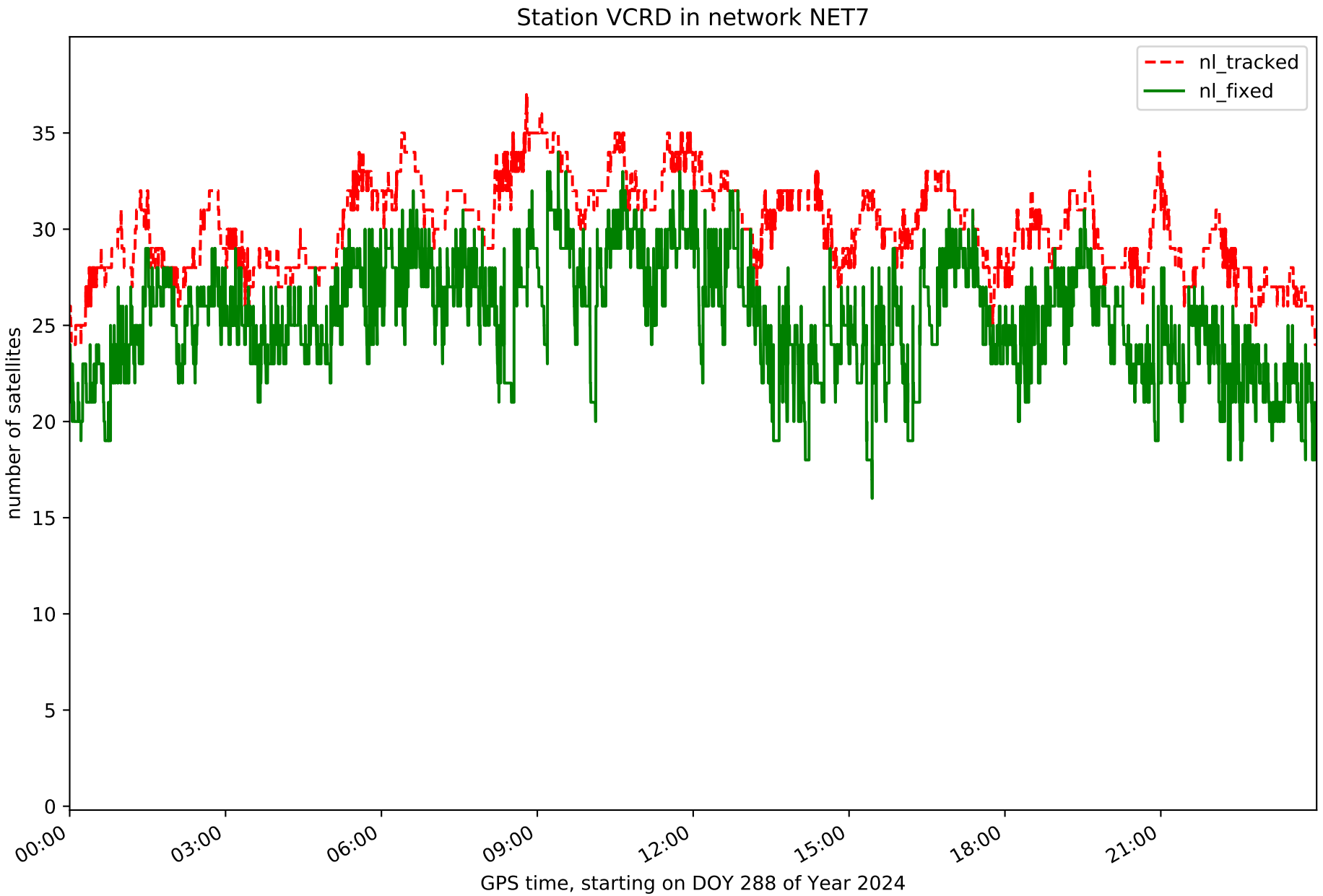

Station RIBE in network NET7
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 288 of Year 2024

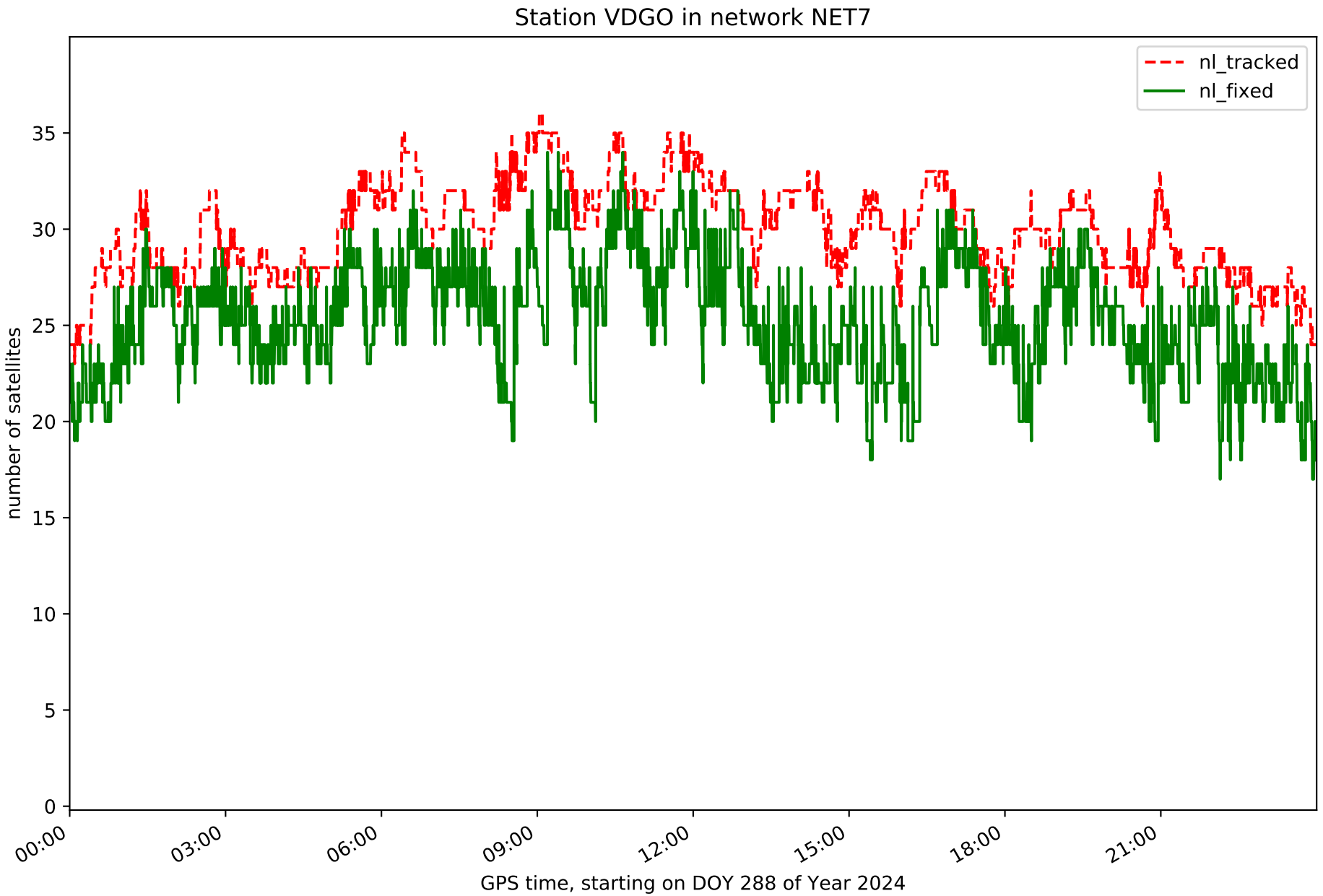

Station RNAN in network NET7
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 288 of Year 2024

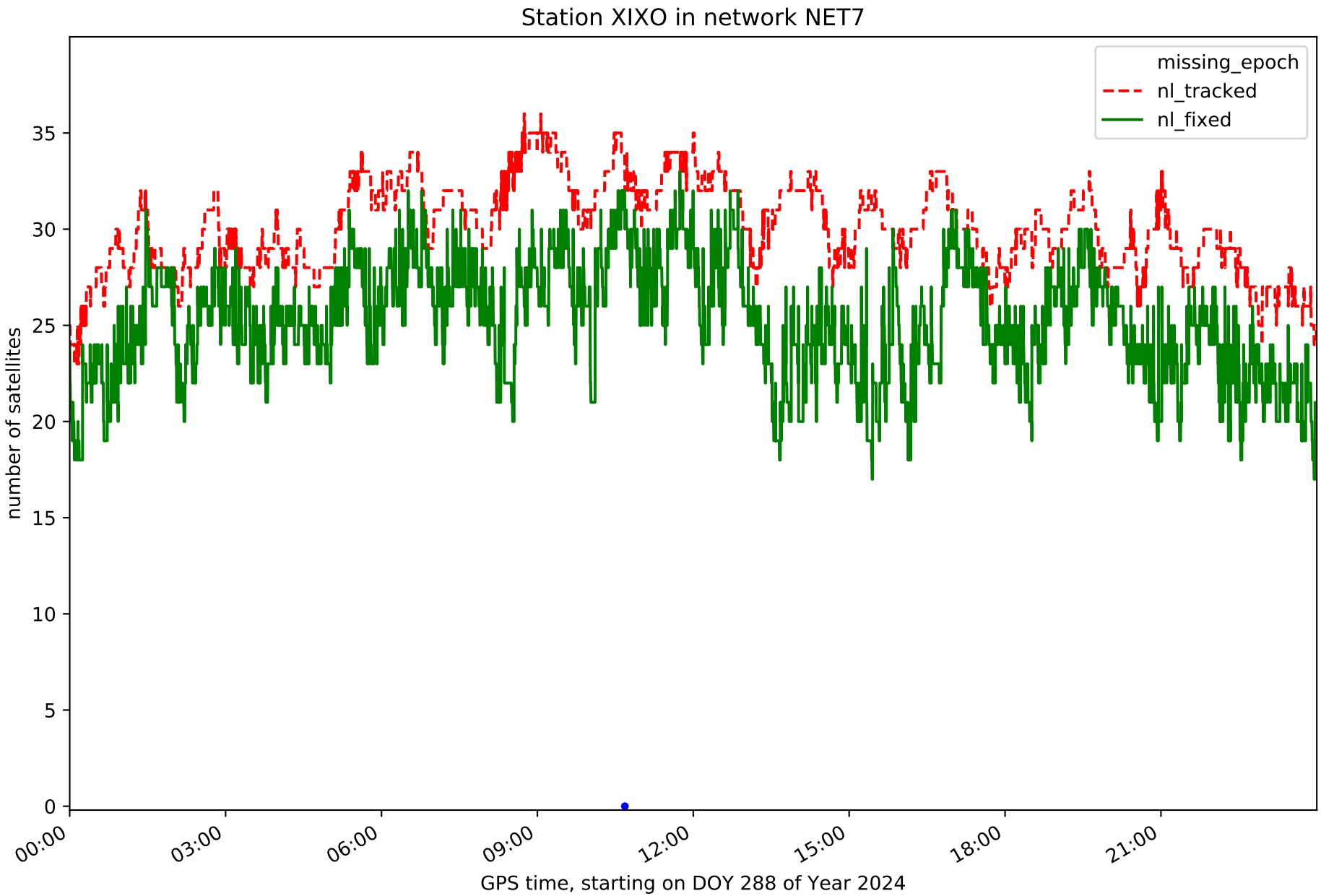

Station SALS in network NET7
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 288 of Year 2024

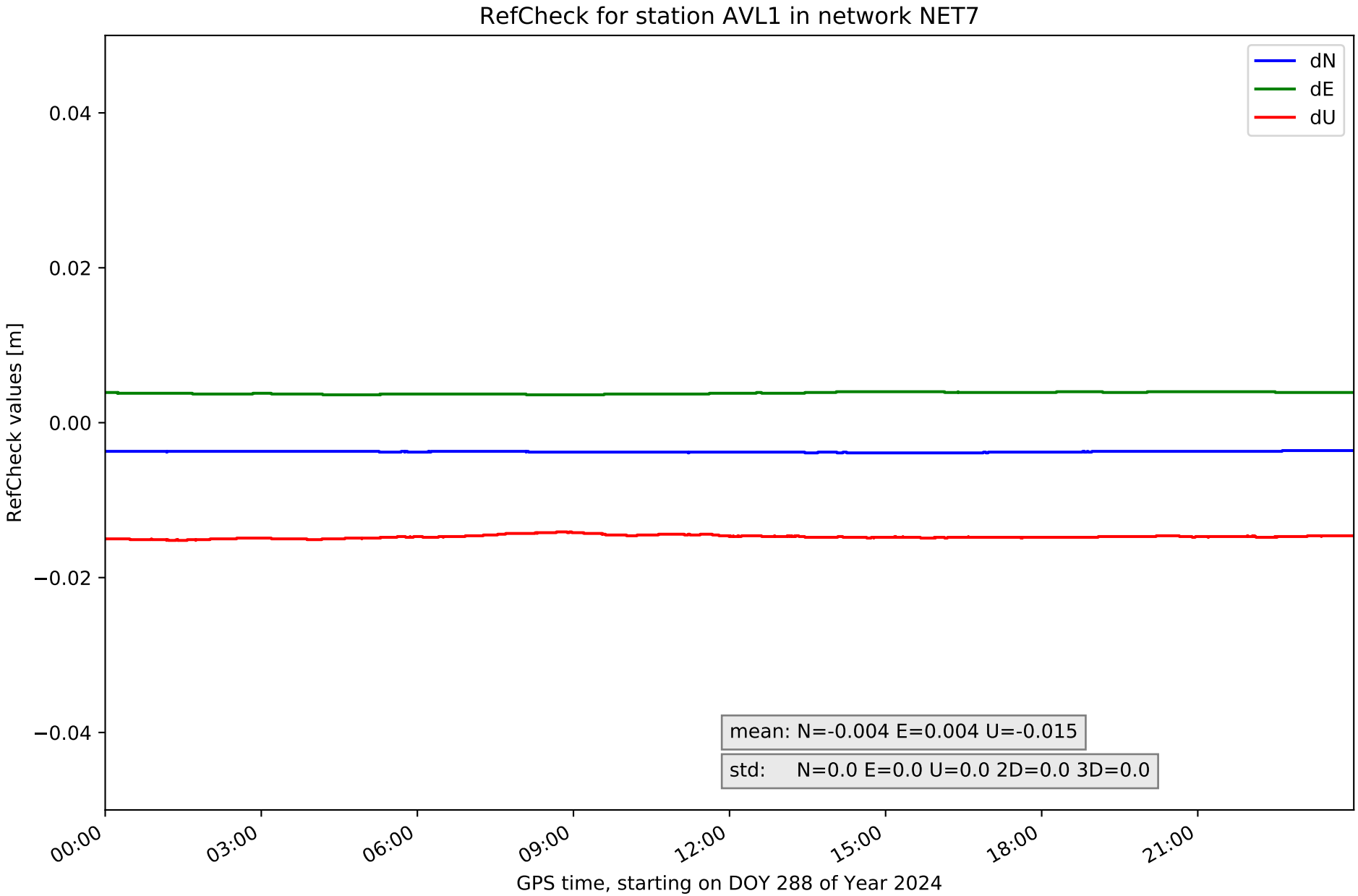

Station TRLV in network NET7
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 288 of Year 2024

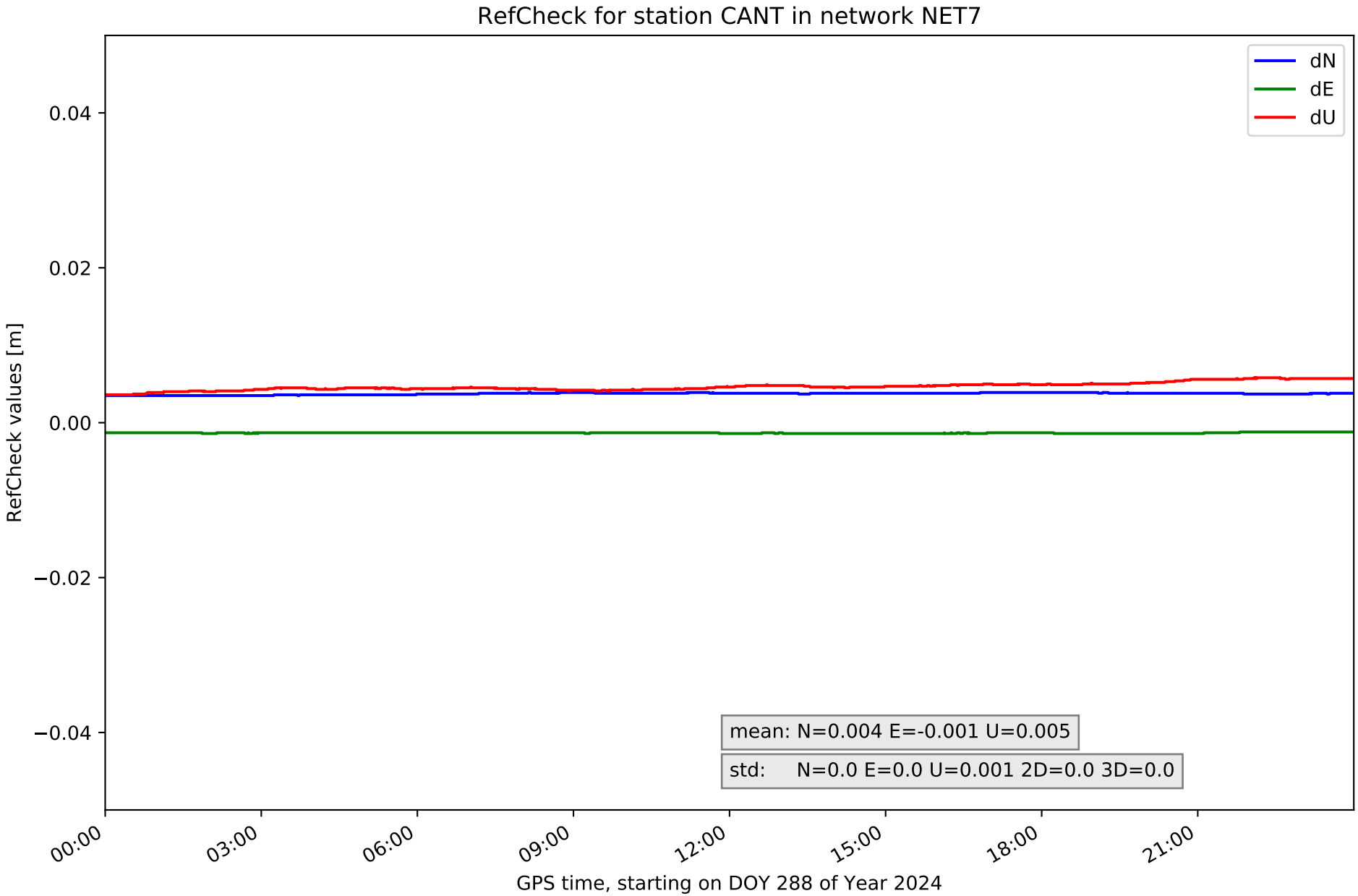

Station VBLO in network NET7
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 288 of Year 2024

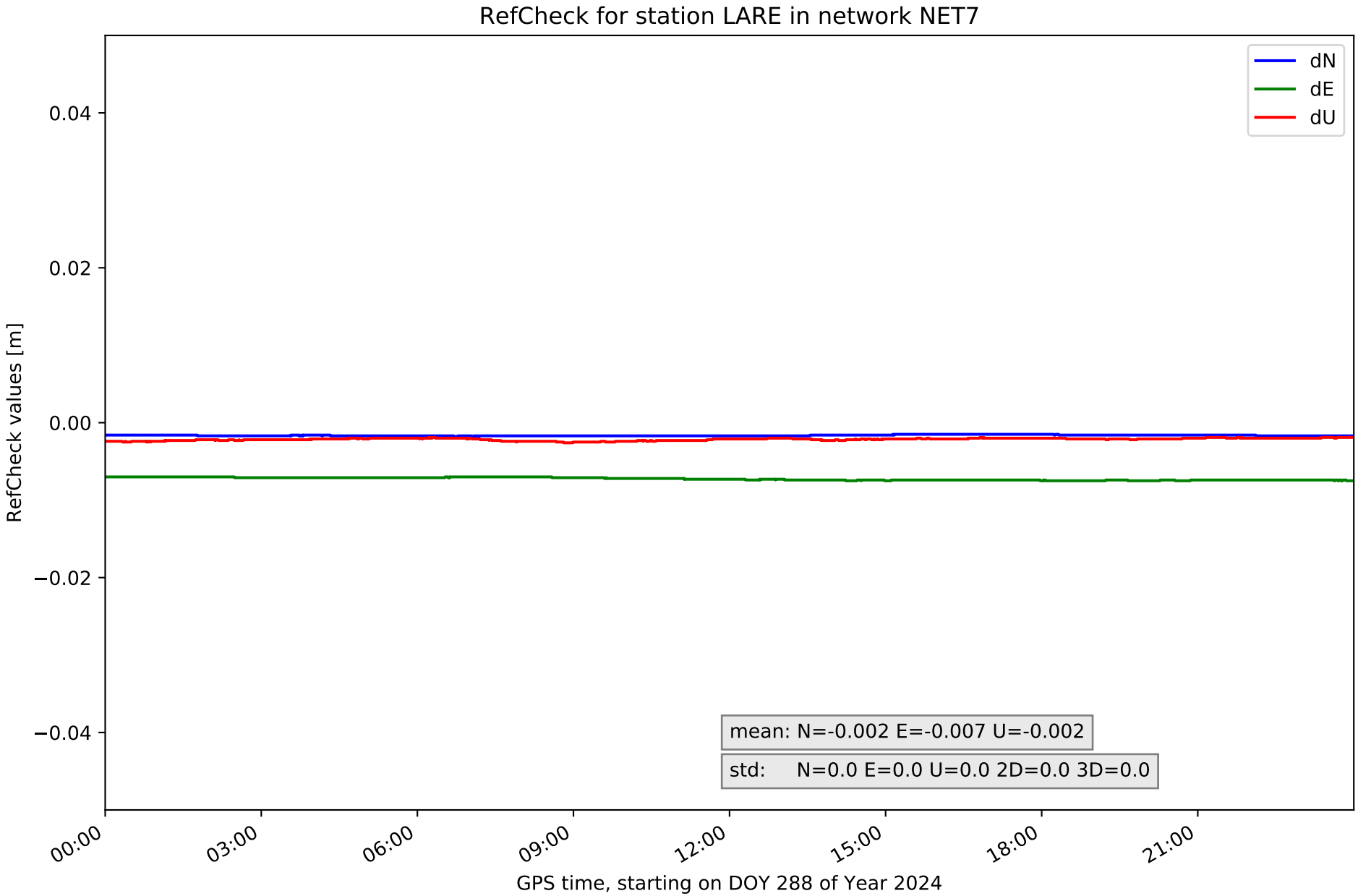

Station VCRD in network NET7
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 288 of Year 2024

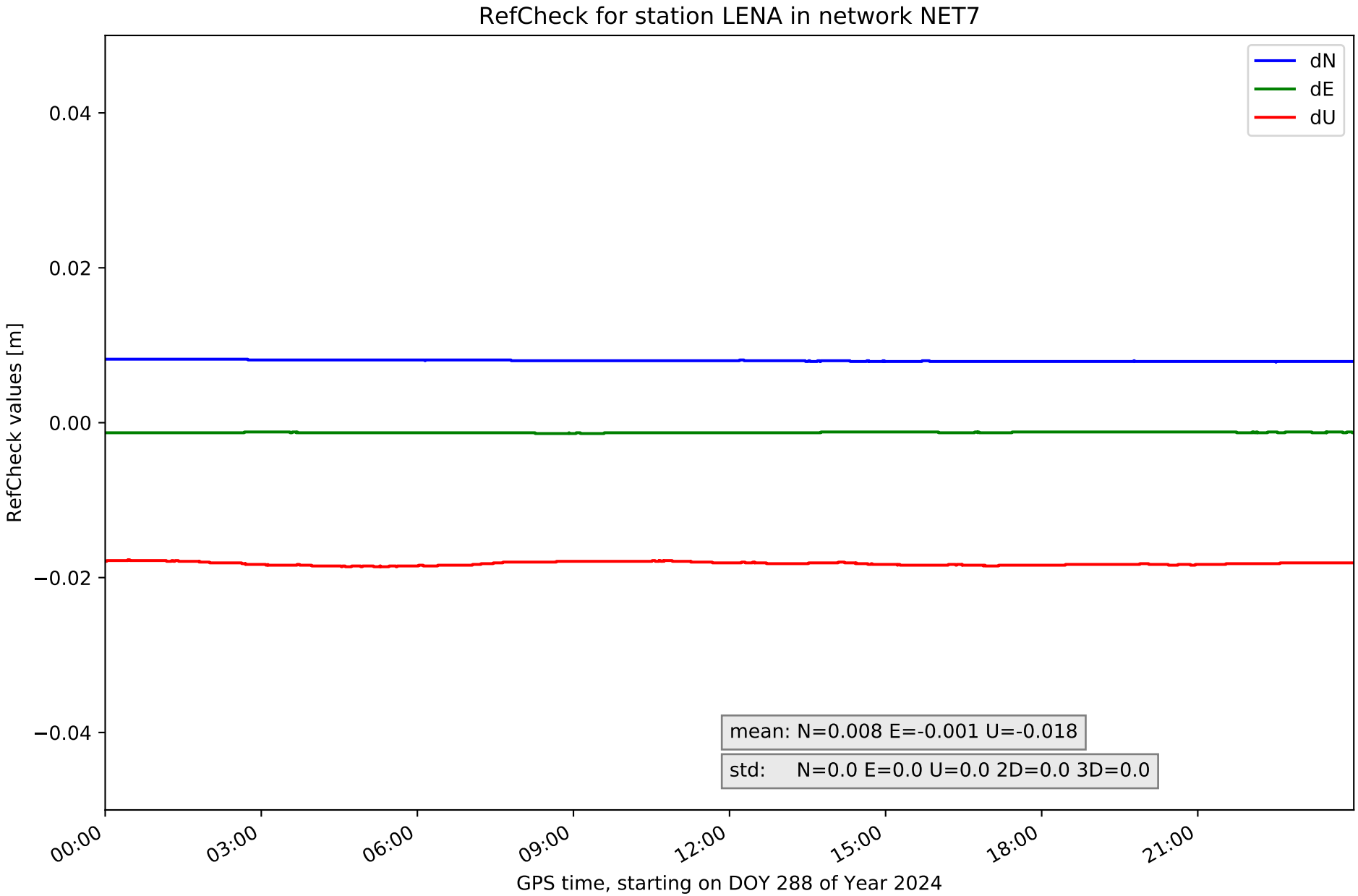

Station VDGO in network NET7
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 288 of Year 2024

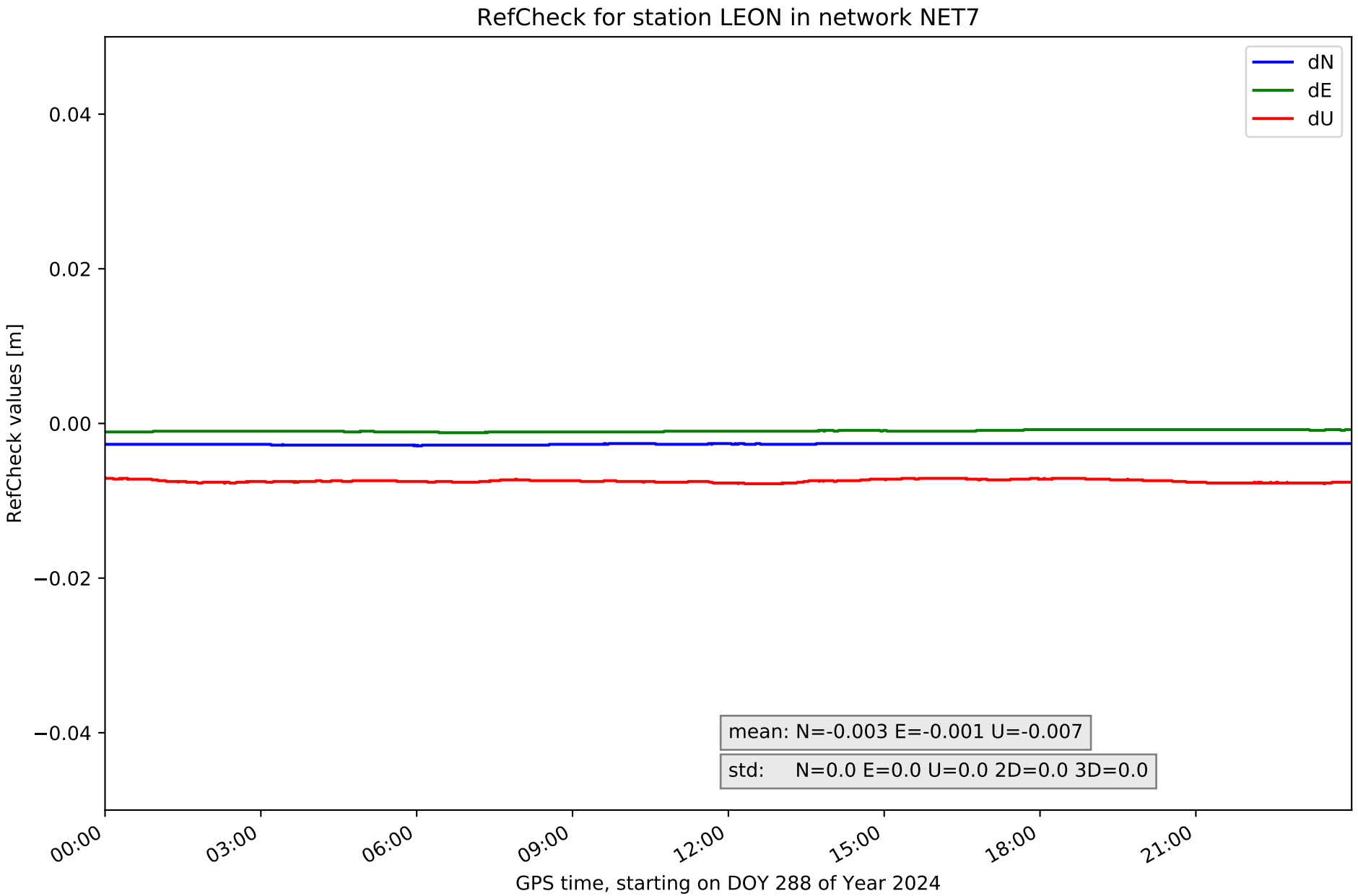

Station XIXO in network NET7
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 288 of Year 2024

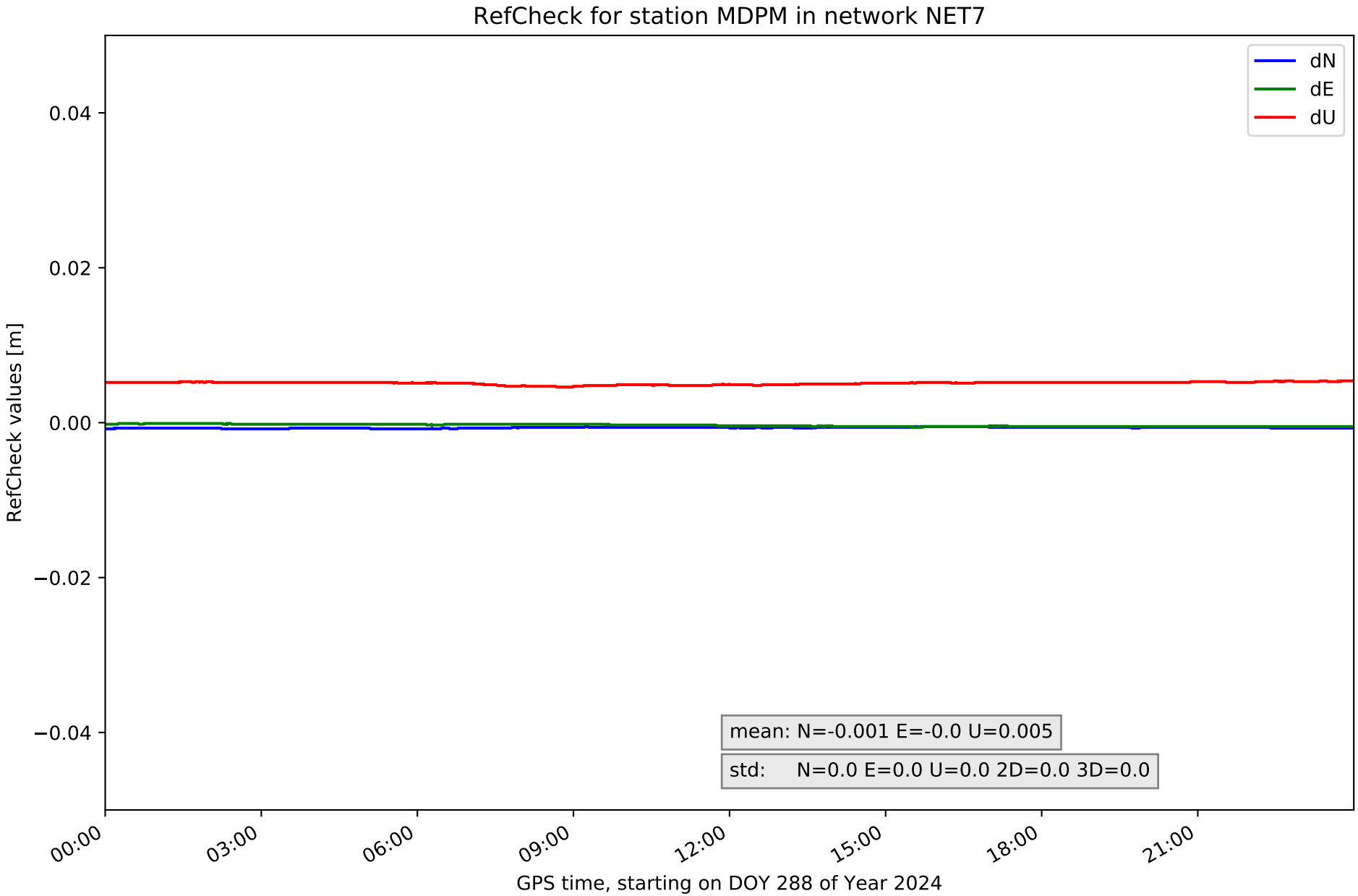

RefCheck for station AVL1 in network NET7
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.004 E=0.004 U=-0.015
std: N=0.0 E=0.0 U=0.0 2D=0.0 3D=0.0
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 288 of Year 2024

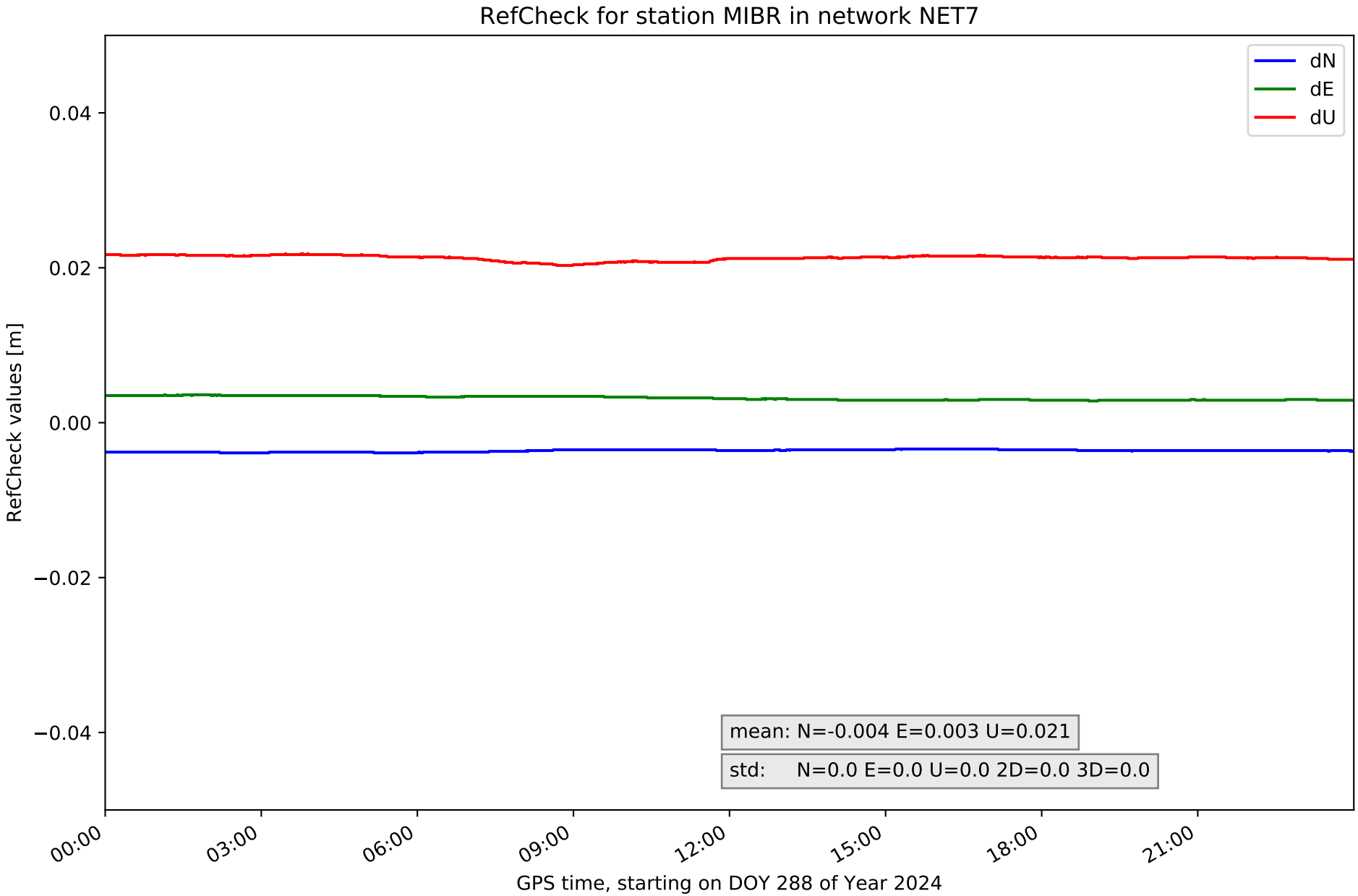

RefCheck for station CANT in network NET7
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.004 E=-0.001 U=0.005
std: N=0.0 E=0.0 U=0.001 2D=0.0 3D=0.0
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 288 of Year 2024

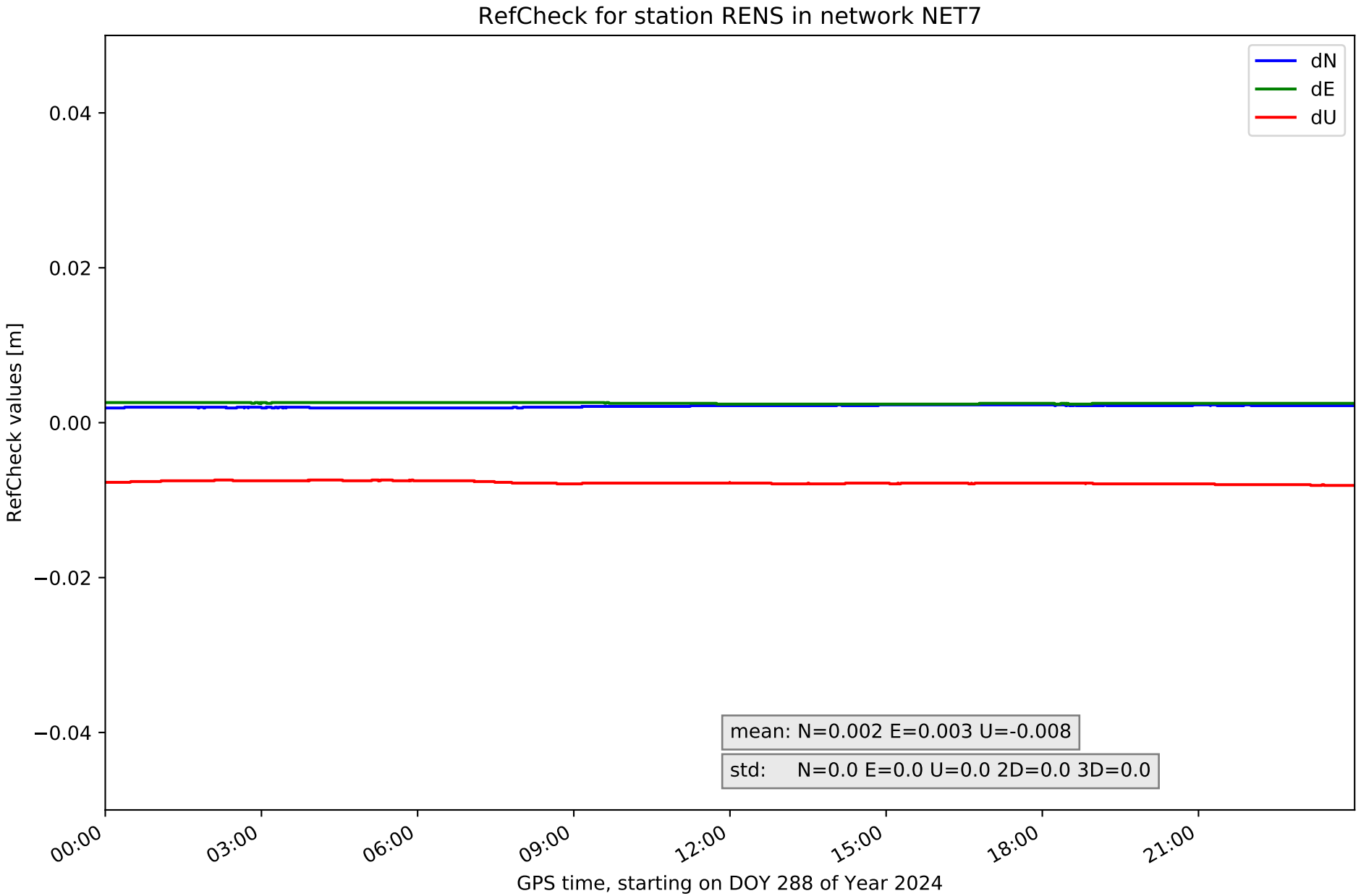

RefCheck for station LARE in network NET7
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.002 E=-0.007 U=-0.002
std: N=0.0 E=0.0 U=0.0 2D=0.0 3D=0.0
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 288 of Year 2024

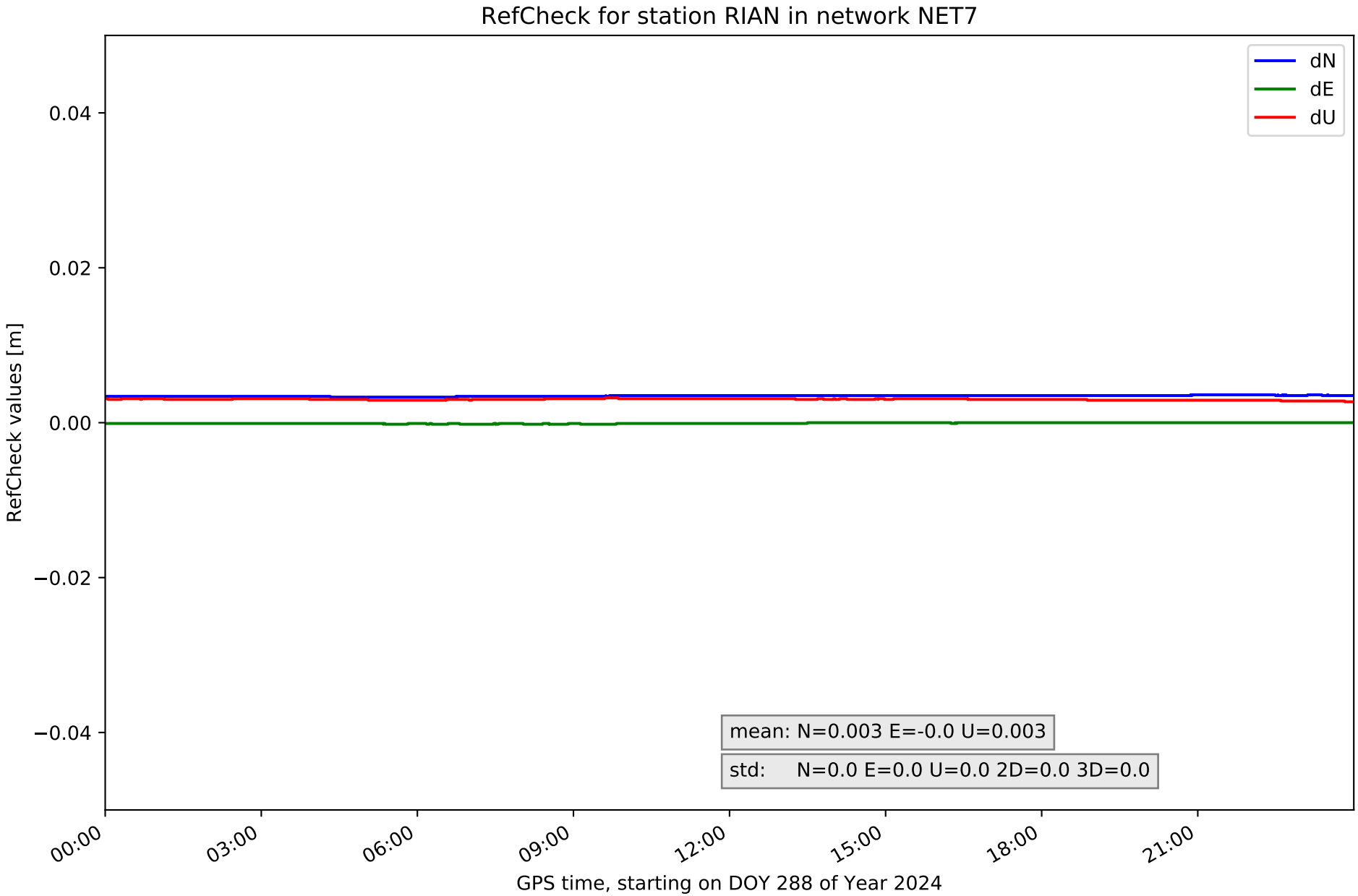

RefCheck for station LENA in network NET7
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.008 E=-0.001 U=-0.018
std: N=0.0 E=0.0 U=0.0 2D=0.0 3D=0.0
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 288 of Year 2024

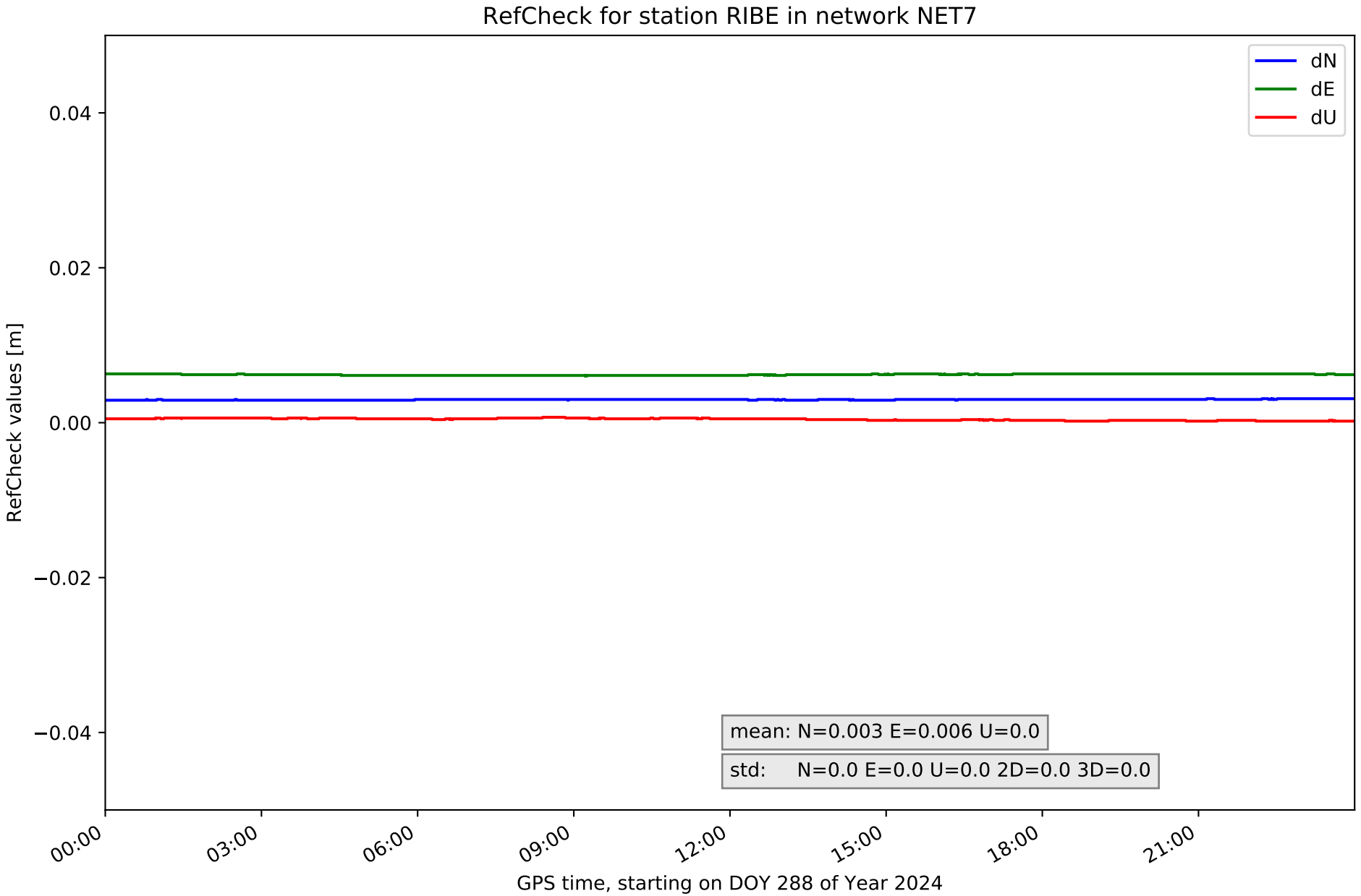

RefCheck for station LEON in network NET7
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.003 E=-0.001 U=-0.007
std: N=0.0 E=0.0 U=0.0 2D=0.0 3D=0.0
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 288 of Year 2024

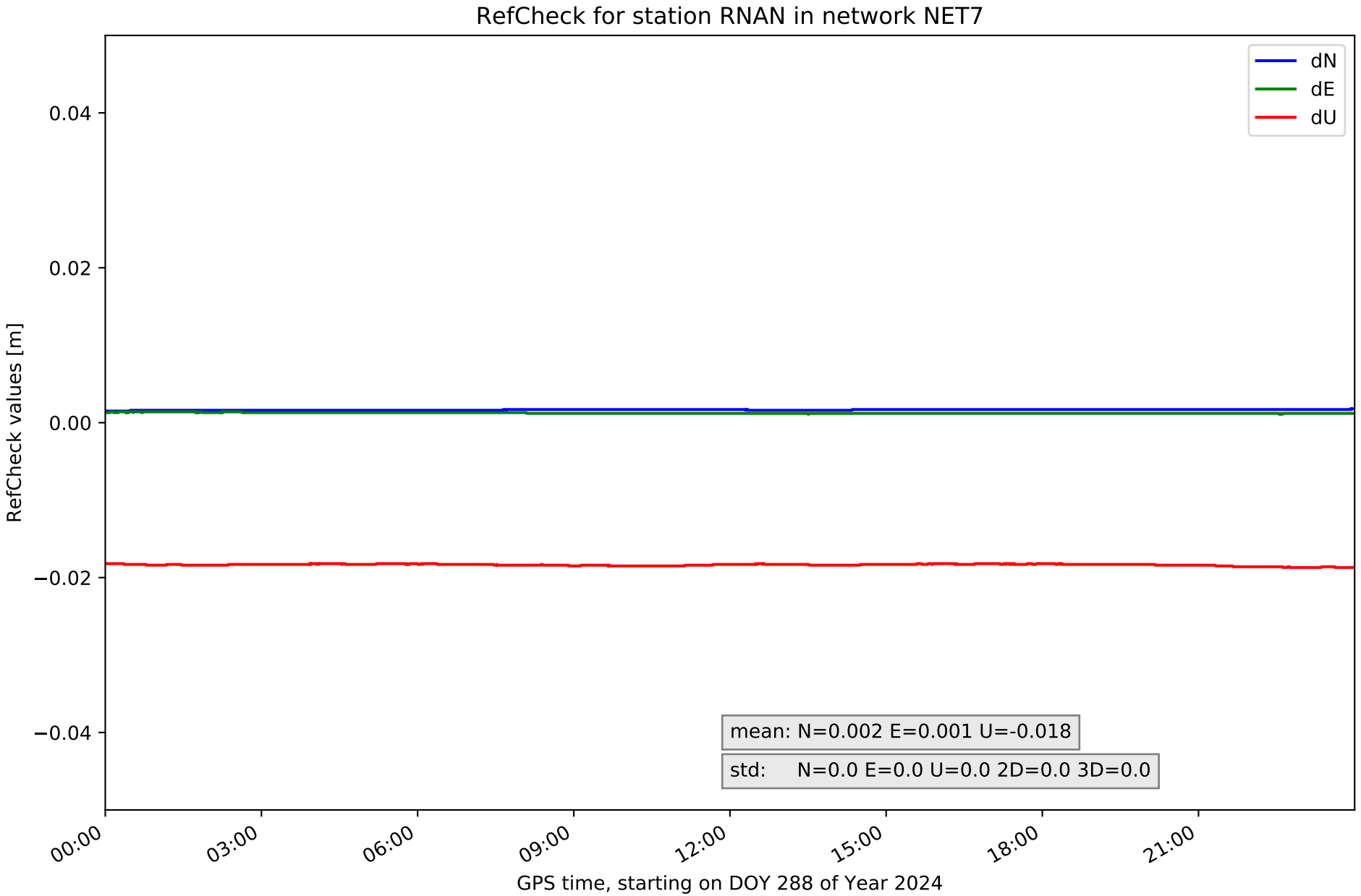

RefCheck for station MDPM in network NET7
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.001 E=-0.0 U=0.005
std: N=0.0 E=0.0 U=0.0 2D=0.0 3D=0.0
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 288 of Year 2024

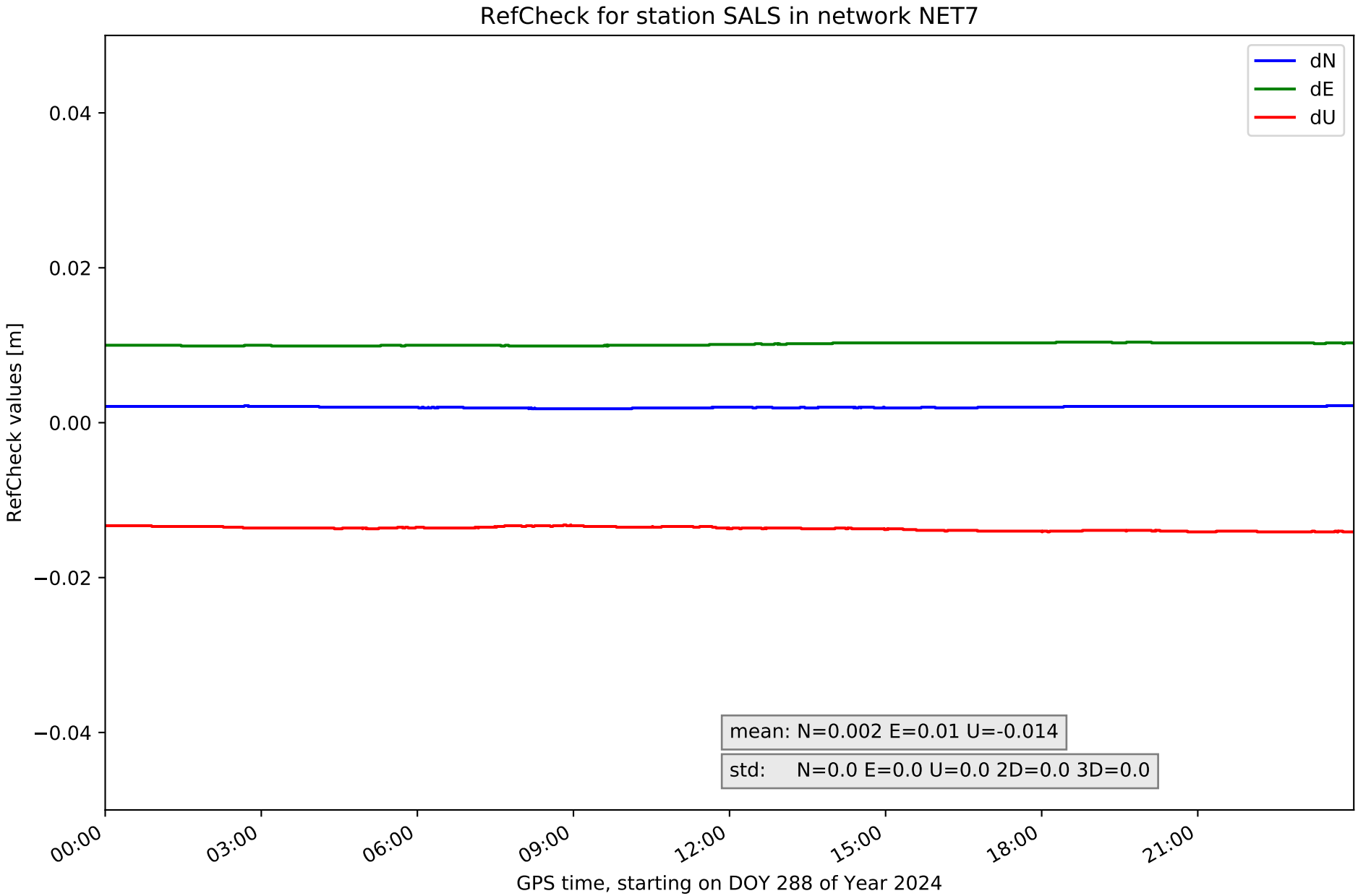

RefCheck for station MIBR in network NET7
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.004 E=0.003 U=0.021
std: N=0.0 E=0.0 U=0.0 2D=0.0 3D=0.0
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 288 of Year 2024

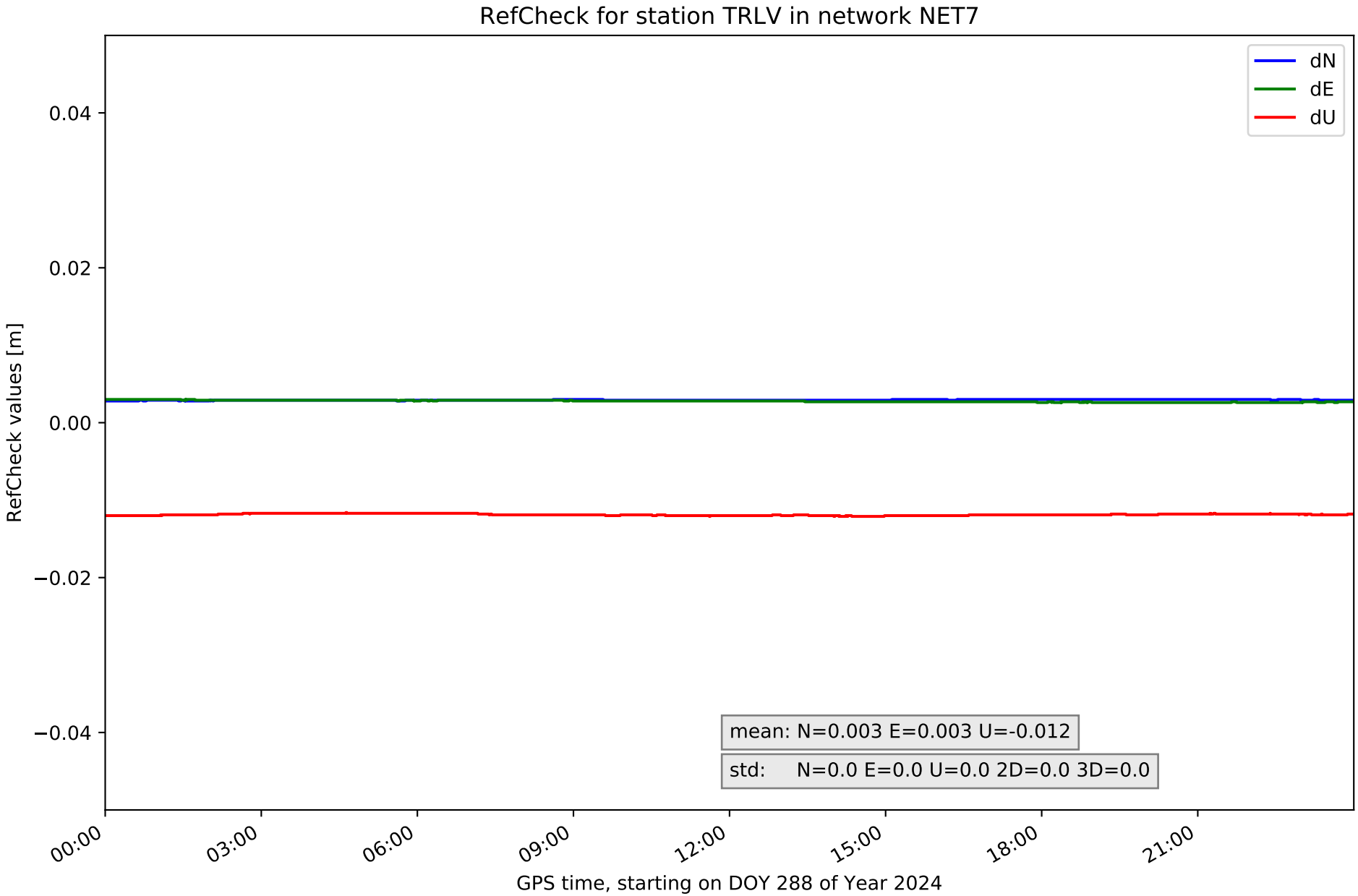

RefCheck for station RENS in network NET7
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=0.003 U=-0.008
std: N=0.0 E=0.0 U=0.0 2D=0.0 3D=0.0
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 288 of Year 2024

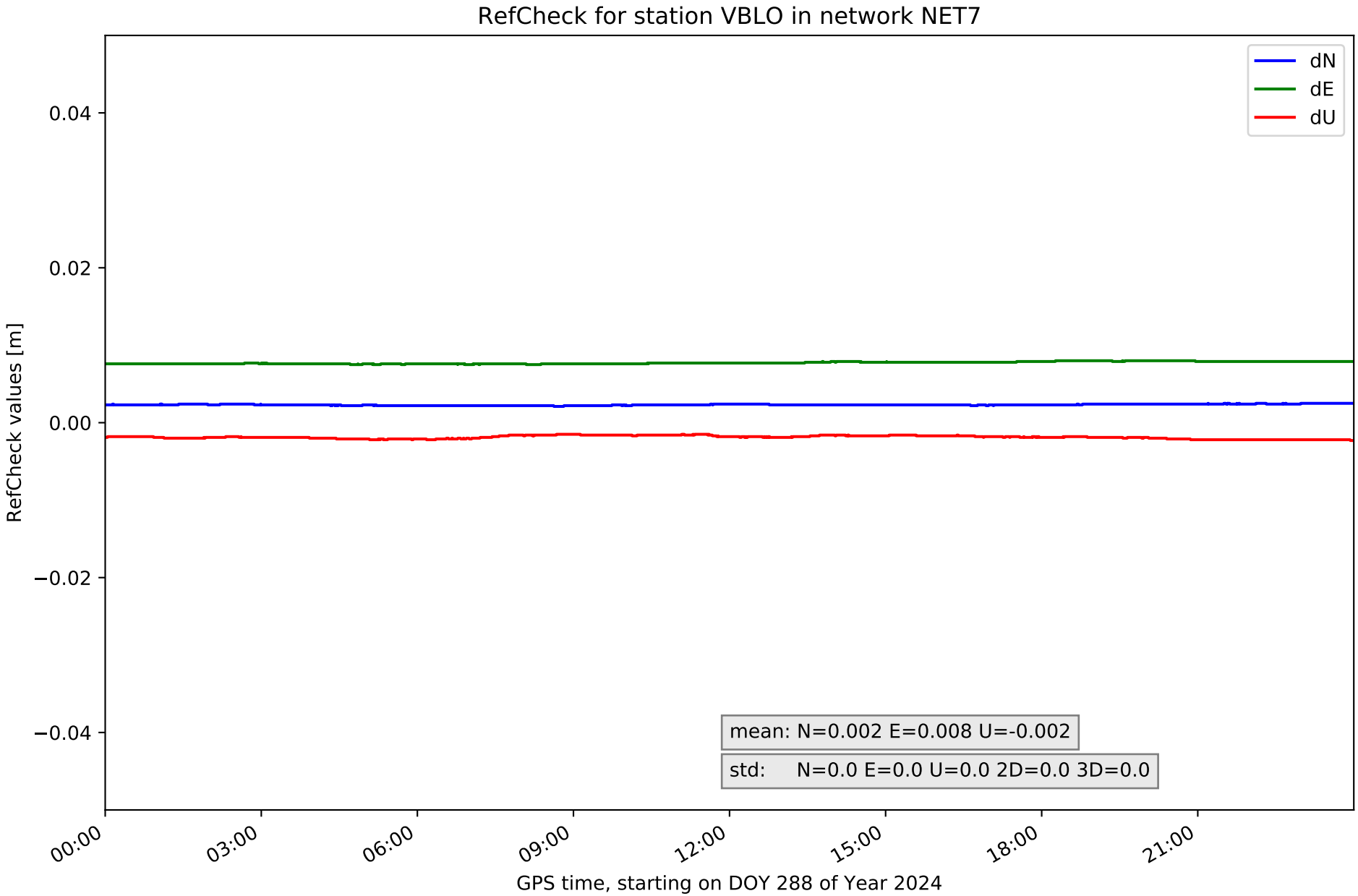

RefCheck for station RIAN in network NET7
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.003 E=-0.0 U=0.003
std: N=0.0 E=0.0 U=0.0 2D=0.0 3D=0.0
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 288 of Year 2024

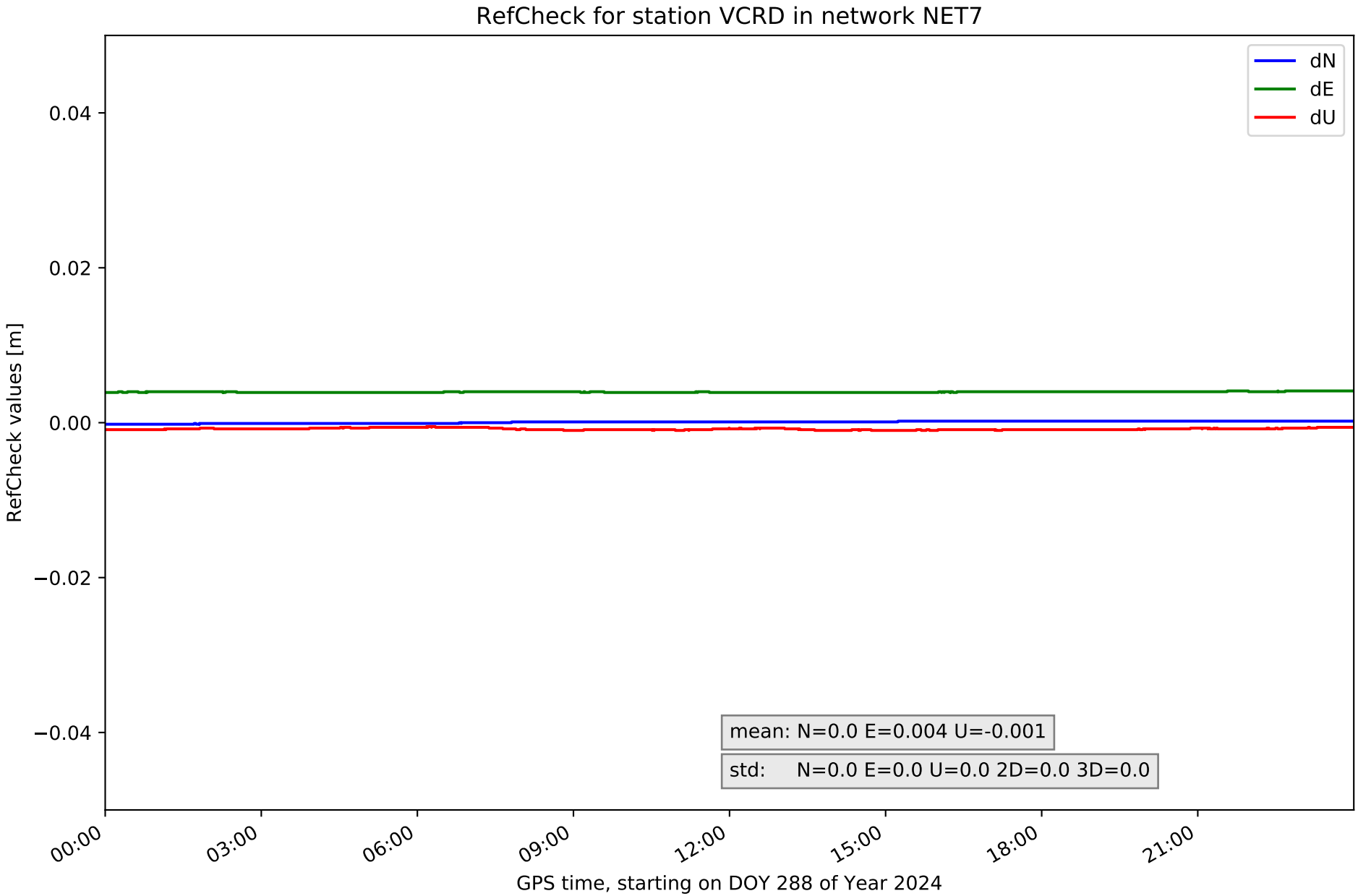

RefCheck for station RIBE in network NET7
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.003 E=0.006 U=0.0
std: N=0.0 E=0.0 U=0.0 2D=0.0 3D=0.0
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 288 of Year 2024

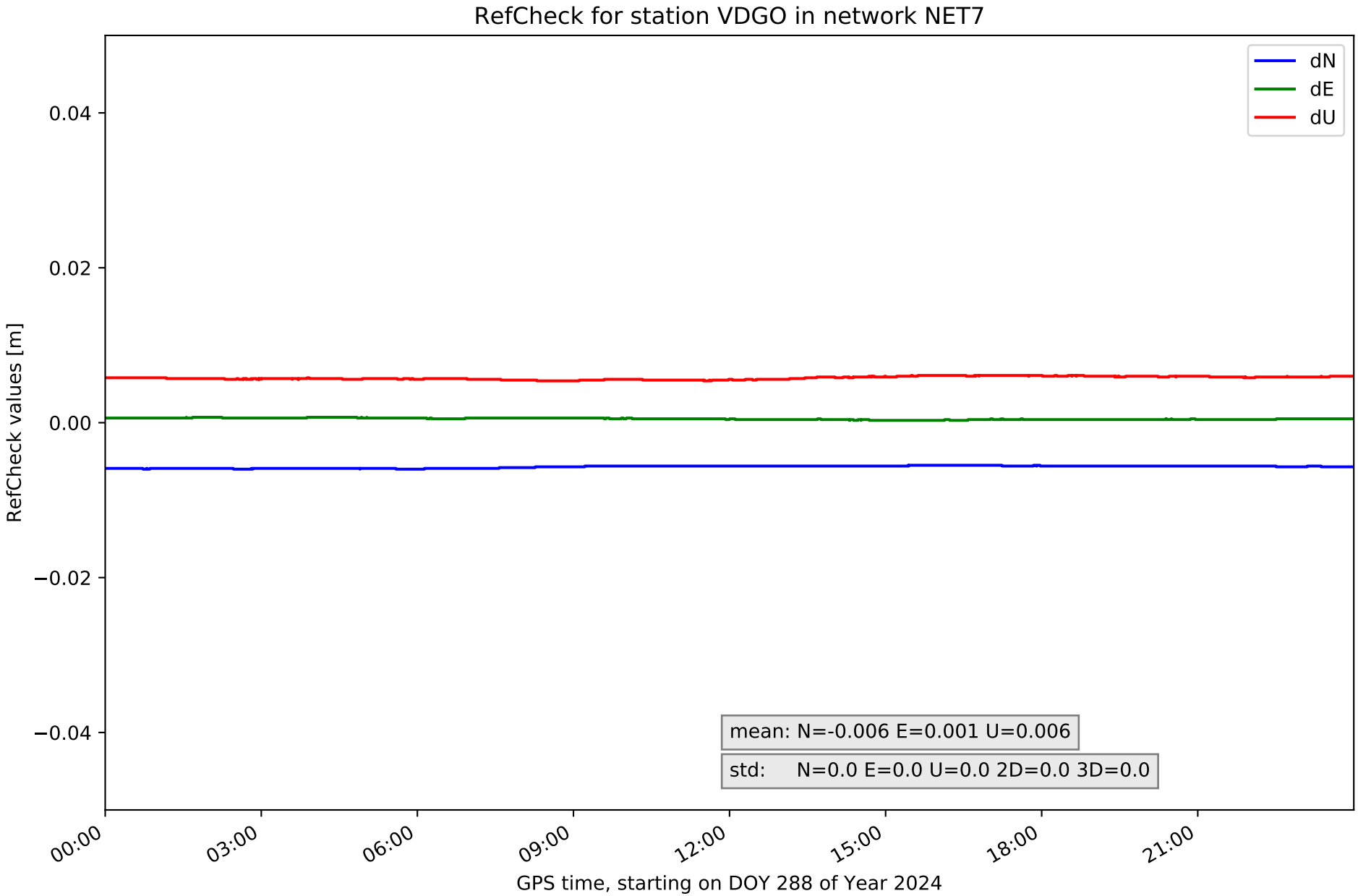

RefCheck for station RNAN in network NET7
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=0.001 U=-0.018
std: N=0.0 E=0.0 U=0.0 2D=0.0 3D=0.0
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 288 of Year 2024

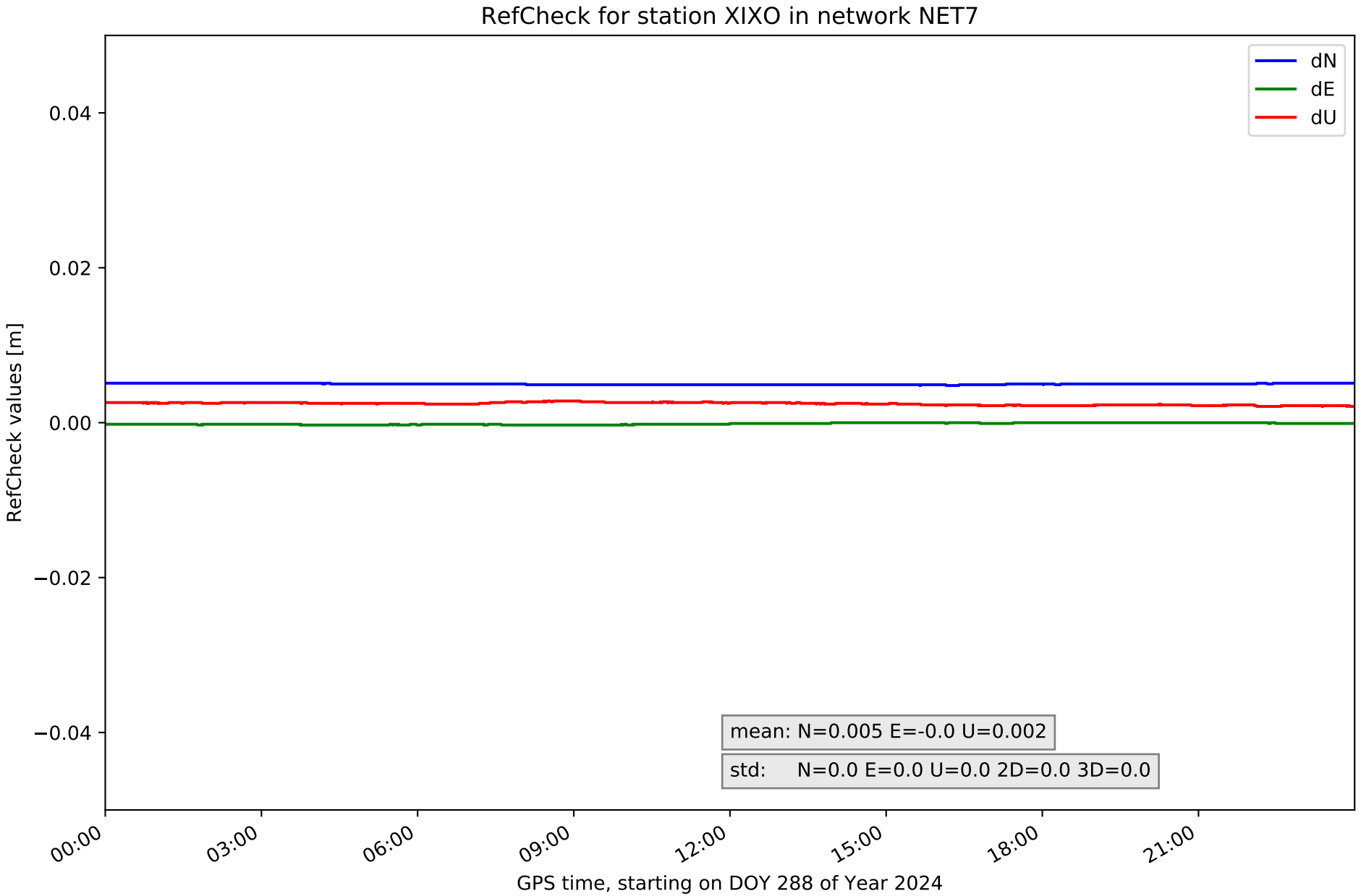

RefCheck for station SALS in network NET7
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=0.01 U=-0.014
std: N=0.0 E=0.0 U=0.0 2D=0.0 3D=0.0
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 288 of Year 2024


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=0.003 E=0.003 U=-0.012
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 288 of Year 2024


RefCheck for station VBLO in network NET7
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=0.008 U=-0.002
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 288 of Year 2024


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=0.0 E=0.004 U=-0.001
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 288 of Year 2024


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=-0.006 E=0.001 U=0.006
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 288 of Year 2024


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=0.005 E=-0.0 U=0.002
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 288 of Year 2024

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	-0.004	-0.004	**0.0**	0.004	0.004	**0.0**	-0.015	-0.014	0.0	**0.0**	**0.0**	0	0.0	0	0.0
CANT	0.004	0.004	**0.0**	-0.001	-0.001	**0.0**	0.004	0.006	**0.001**	**0.0**	**0.0**	0	0.0	0	0.0
LARE	-0.002	-0.002	**0.0**	**-0.007**	-0.007	**0.0**	-0.003	-0.002	0.0	**0.0**	**0.0**	0	0.0	0	0.0
LENA	0.008	**0.008**	**0.0**	-0.001	-0.001	**0.0**	**-0.019**	-0.018	0.0	**0.0**	**0.0**	0	0.0	13427	33.4
LEON	-0.003	-0.003	**0.0**	-0.001	-0.001	**0.0**	-0.008	-0.007	0.0	**0.0**	**0.0**	0	0.0	0	0.0
MDPM	-0.001	-0.001	**0.0**	-0.001	-0.0	**0.0**	0.005	0.005	0.0	**0.0**	**0.0**	0	0.0	0	0.0
MIBR	-0.004	-0.003	**0.0**	0.003	0.004	**0.0**	0.02	**0.022**	0.0	**0.0**	**0.0**	0	0.0	**40170**	**100.0**
RENS	0.002	0.002	**0.0**	0.002	0.003	**0.0**	-0.008	-0.007	0.0	**0.0**	**0.0**	0	0.0	0	0.0
RIAN	0.003	0.004	**0.0**	-0.0	0.0	**0.0**	0.003	0.003	0.0	**0.0**	**0.0**	0	0.0	0	0.0
RIBE	0.003	0.003	**0.0**	0.006	0.006	**0.0**	0.0	0.001	0.0	**0.0**	**0.0**	0	0.0	0	0.0
RNAN	0.002	0.002	**0.0**	0.001	0.001	**0.0**	**-0.019**	-0.018	0.0	**0.0**	**0.0**	0	0.0	0	0.0
SALS	0.002	0.002	**0.0**	0.01	**0.01**	**0.0**	-0.014	-0.013	0.0	**0.0**	**0.0**	**40170**	**100.0**	0	0.0
TRLV	0.003	0.003	**0.0**	0.003	0.003	**0.0**	-0.012	-0.012	0.0	**0.0**	**0.0**	0	0.0	0	0.0
VBLO	0.002	0.003	**0.0**	0.007	0.008	**0.0**	-0.002	-0.002	0.0	**0.0**	**0.0**	0	0.0	0	0.0
VCRD	-0.0	0.0	**0.0**	0.004	0.004	**0.0**	-0.001	-0.001	0.0	**0.0**	**0.0**	0	0.0	0	0.0
VDGO	**-0.006**	-0.005	**0.0**	0.0	0.001	**0.0**	0.005	0.006	0.0	**0.0**	**0.0**	0	0.0	0	0.0
XIXO	0.005	0.005	**0.0**	-0.0	0.0	**0.0**	0.002	0.003	0.0	**0.0**	**0.0**	0	0.0	0	0.0
Mean	**0.001**	**0.001**	**0.0**	**0.002**	**0.002**	**0.0**	**-0.004**	**-0.003**	**0.0**	**0.0**	**0.0**	**2362.9**	**5.9**	**3152.8**	**7.8**
Min/Max	**-0.006**	**0.008**	**0.0**	**-0.007**	**0.01**	**0.0**	**-0.019**	**0.022**	**0.001**	**0.0**	**0.0**	**40170**	**100.0**	**40170**	**100.0**

fixing statistic for network NET7

fixing percentage of	all GNSS	G	R	E	C
using threshold 0.3	84.7	90.8	83.6	69.4	91.8
considering satellites with dual-frequency fixed	83.1	89.6	82.3	68.5	90.3
considering all signals separately	82.0	89.6	82.3	68.6	89.2