summary for network NT12

timeperiod chosen: from 2026-03-09-00:00:00 until 2026-03-09-23:59:59

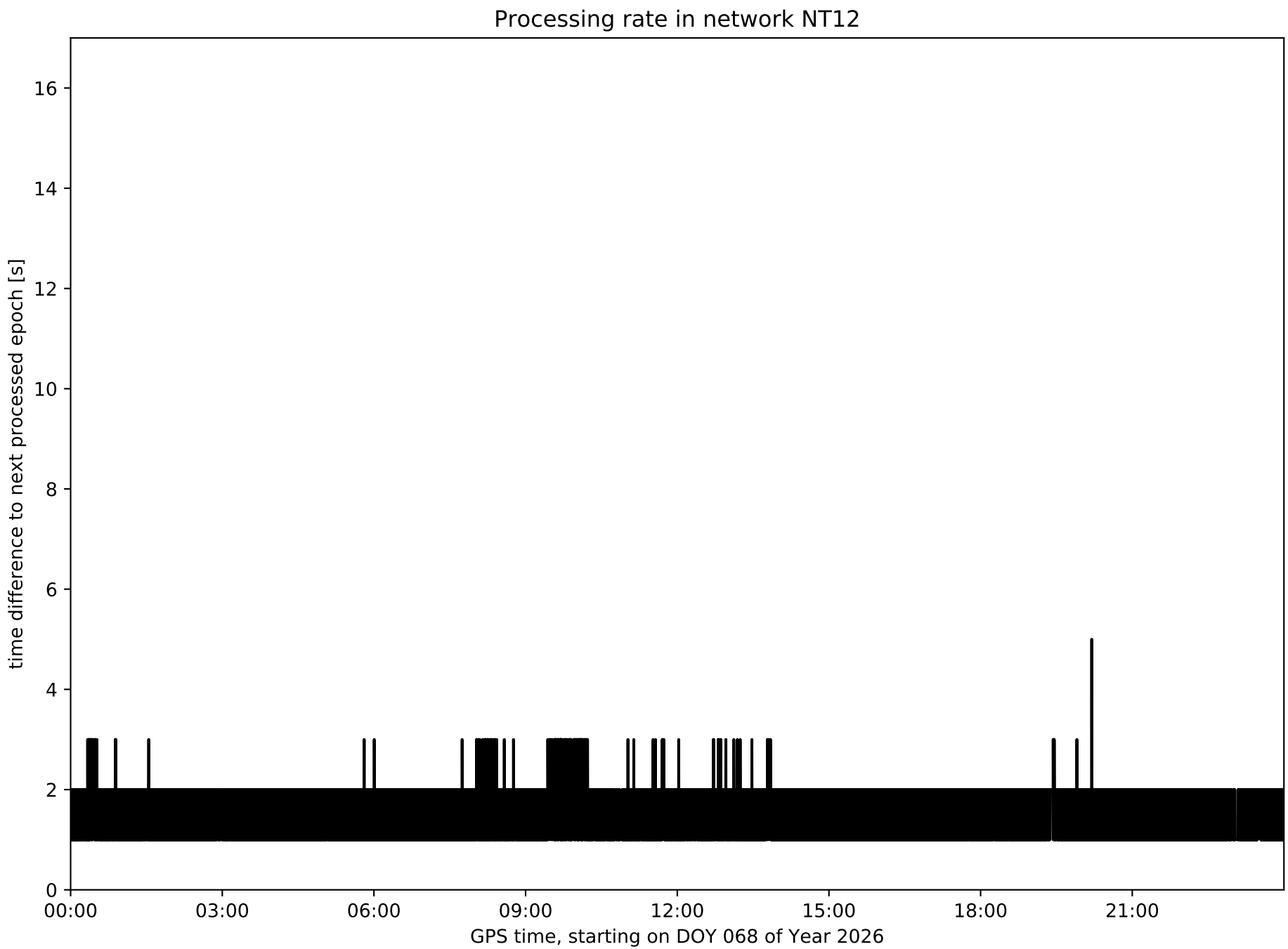
average update rate (durations larger than 15 seconds considered as observation gap): 1.2 seconds

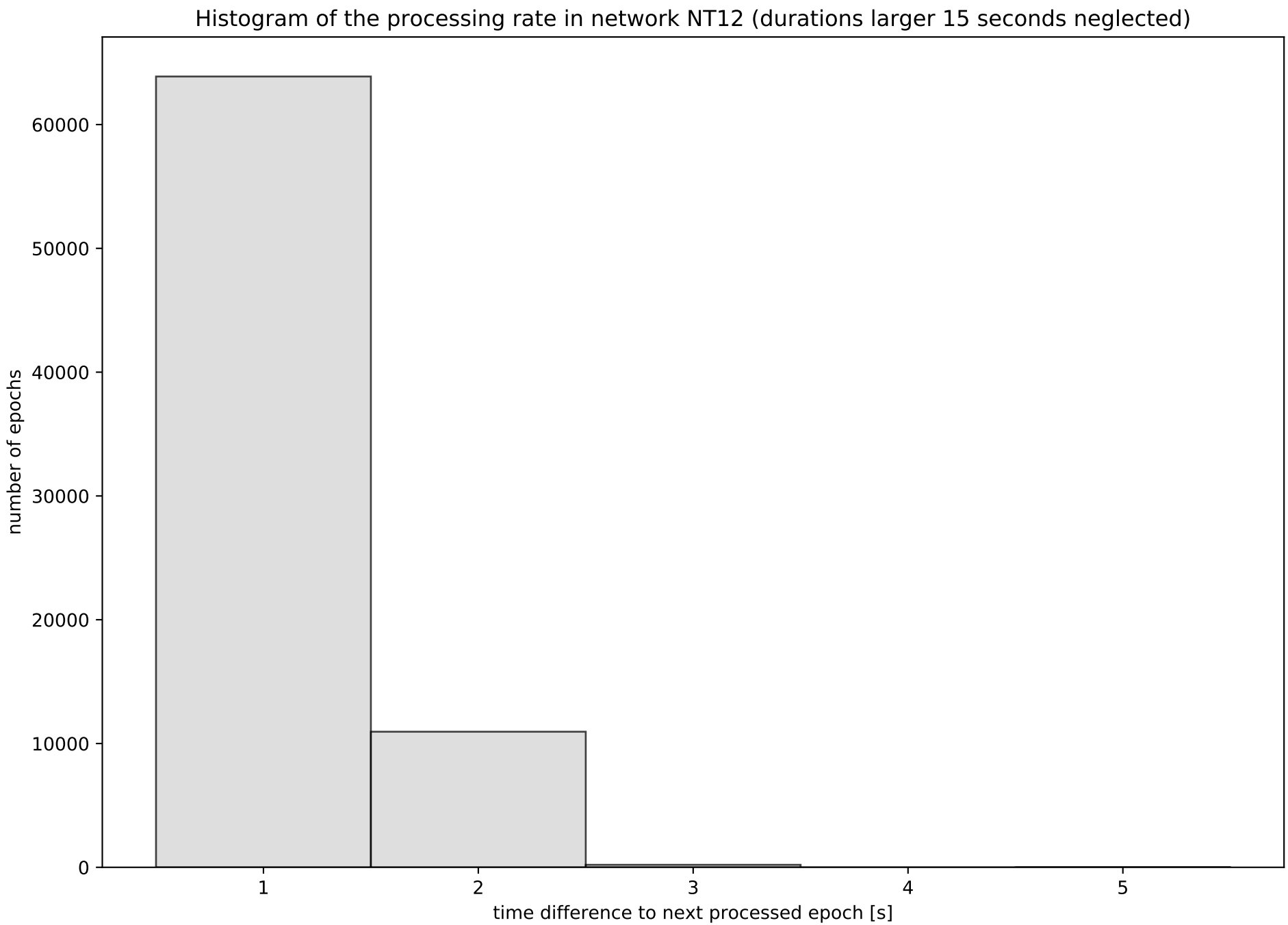
average fixing percentage with threshold set to 0.3: 93.4 percent

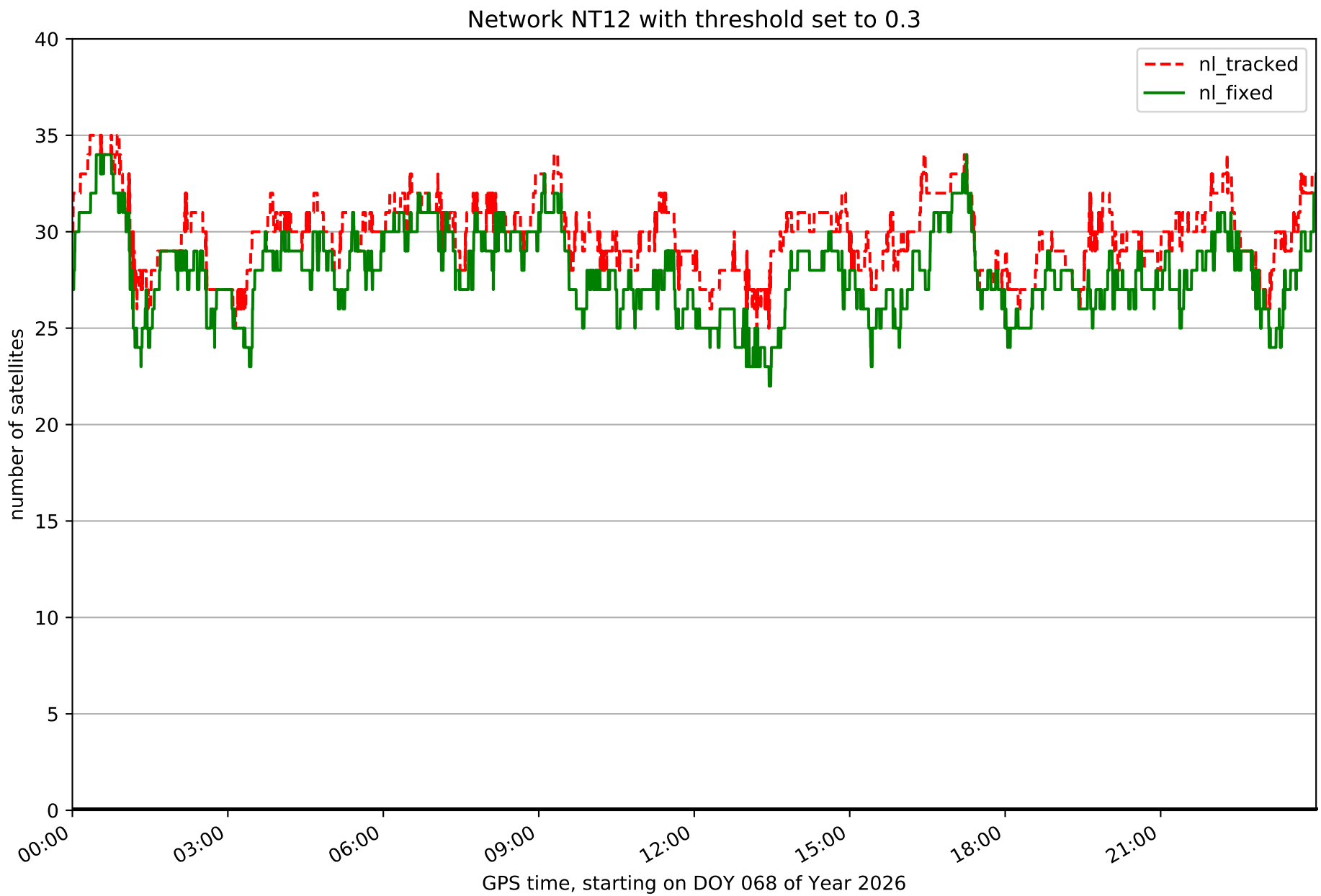
stations available: 15 of 15

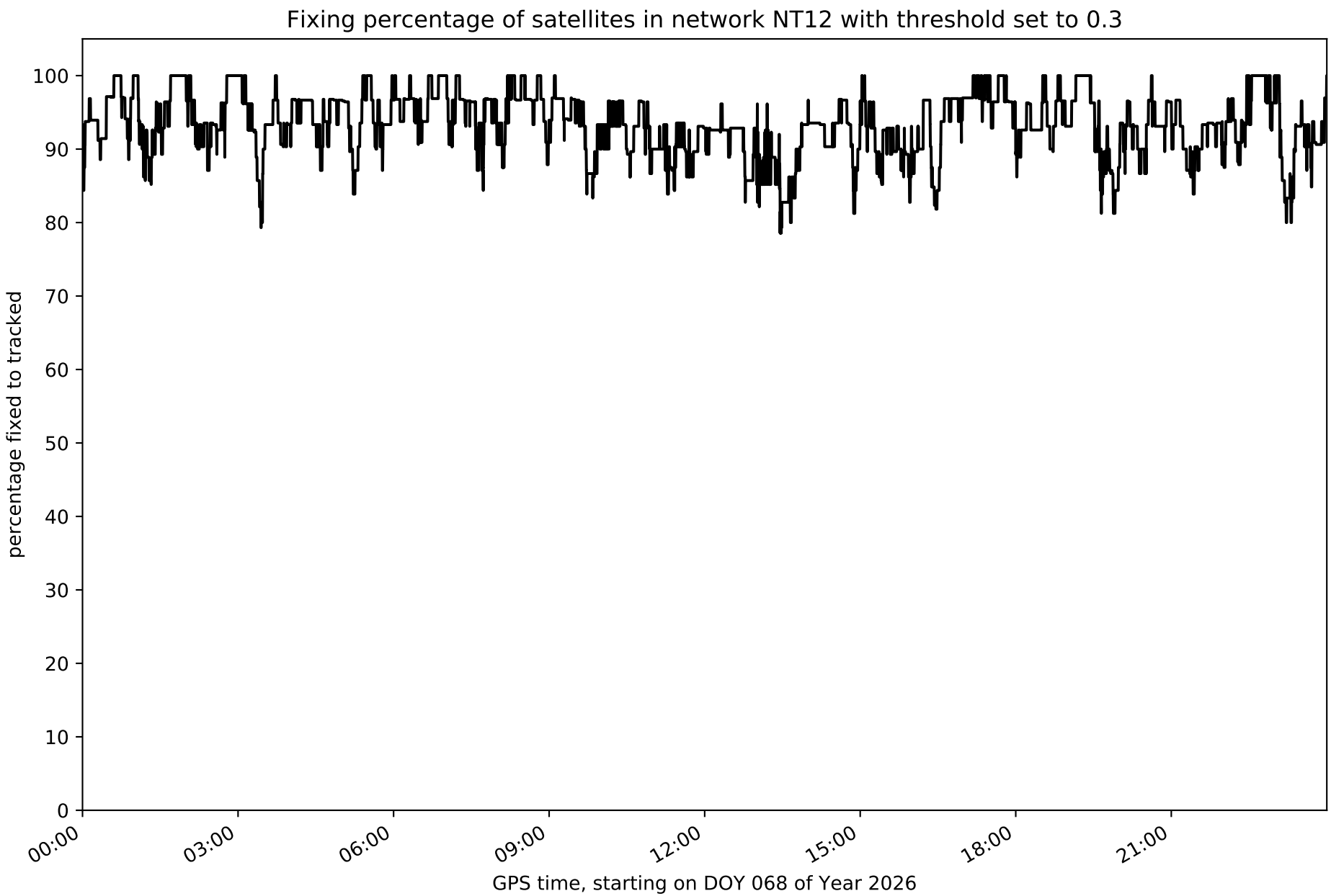
station information:

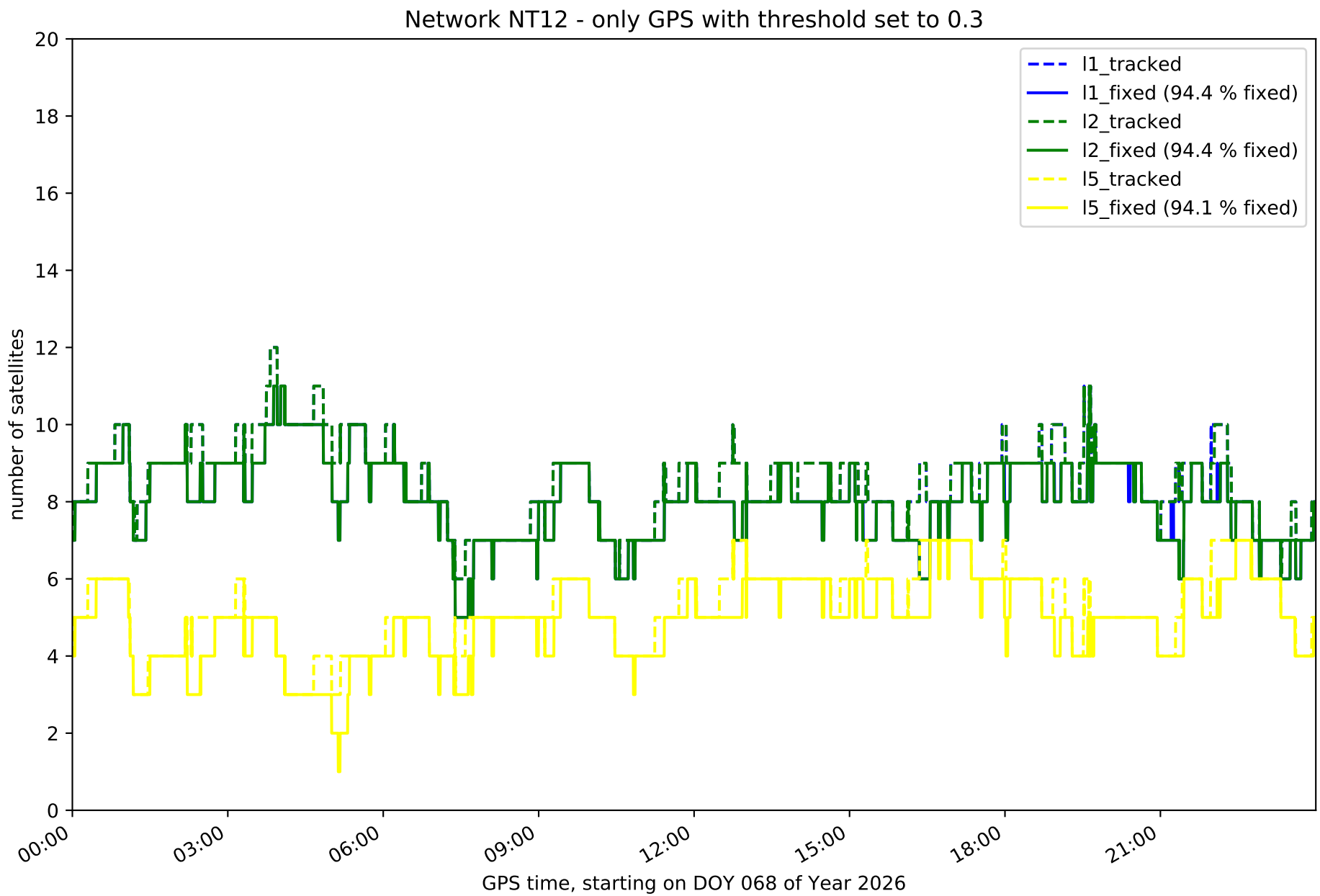
station ALME:	antenna: TRM29659.00	NONE	receiver: TRIMBLE NETR9	height: 130.543
station CAAL:	antenna: LEIAR10	NONE	receiver: LEICA GR25	height: 2210.774
station CABP:	antenna: LEIAR20	LEIM	receiver: LEICA GR50	height: 57.436
station CARG:	antenna: LEIAR20	LEIM	receiver: LEICA GR50	height: 57.381
station CARV:	antenna: LEIAR25.R3	LEIT	receiver: LEICA GR50	height: 902.41
station CDCR:	antenna: LEIAR20	LEIM	receiver: LEICA GR50	height: 1331.71
station CIEZ:	antenna: LEIAT504GG	LEIS	receiver: LEICA GR30	height: 328.356
station GRA1:	antenna: LEIAT504_____	LEIS	receiver: LEICA GR50	height: 823.255
station HUOV:	antenna: GPPNULLANTENNA	NONE	receiver: LEICA GR50	height: 352.192
station MAZA:	antenna: LEIAR25	LEIT	receiver: LEICA GR30	height: 105.111
station MUL1:	antenna: LEIAR25	LEIT	receiver: LEICA GR30	height: 332.101
station MURC:	antenna: LEIAR20	LEIM	receiver: LEICA GR50	height: 125.201
station PALC:	antenna: GPPNULLANTENNA	NONE	receiver: LEICA GR50	height: 916.939
station UJAE:	antenna: GPPNULLANTENNA	NONE	receiver: LEICA GR50	height: 527.754
station VICA:	antenna: LEIAR20	LEIM	receiver: LEICA GR25	height: 852.502

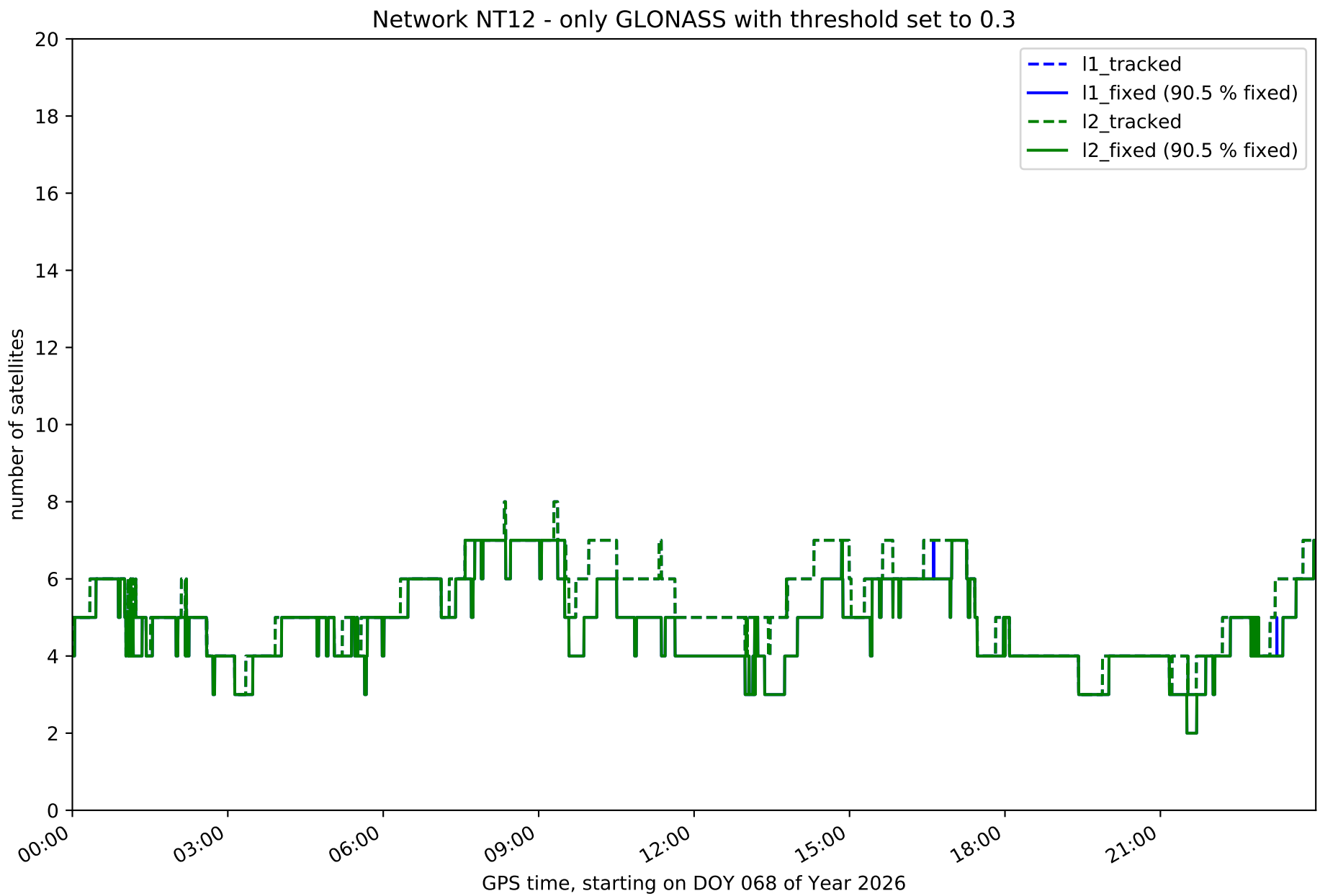

Processing rate in network NT12
time difference to next processed epoch [s]
0
2
4
6
8
10
12
14
16
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 068 of Year 2026

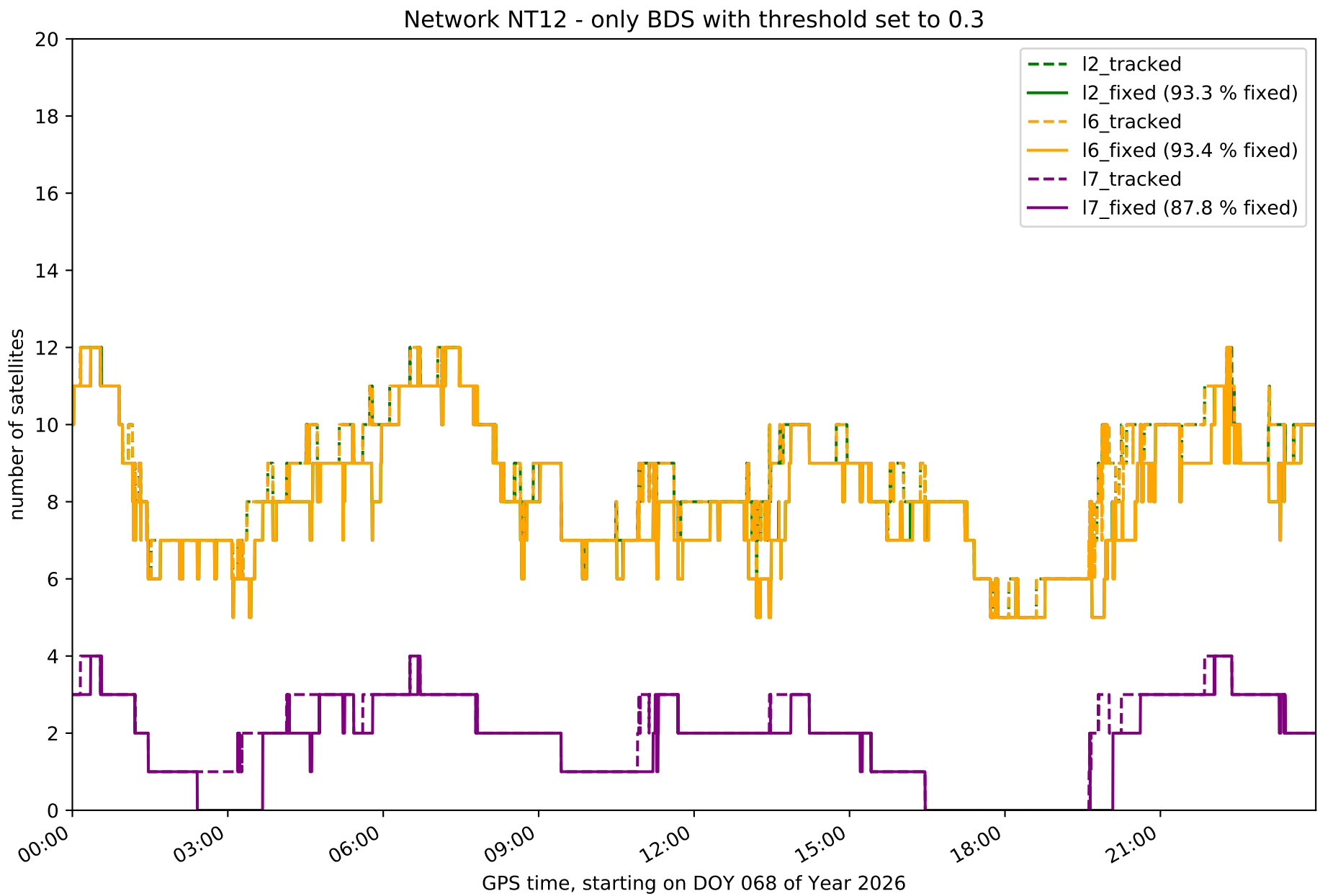

Histogram of the processing rate in network NT12 (durations larger 15 seconds neglected)
number of epochs
0
10000
20000
30000
40000
50000
60000
1
2
3
4
5
time difference to next processed epoch [s]

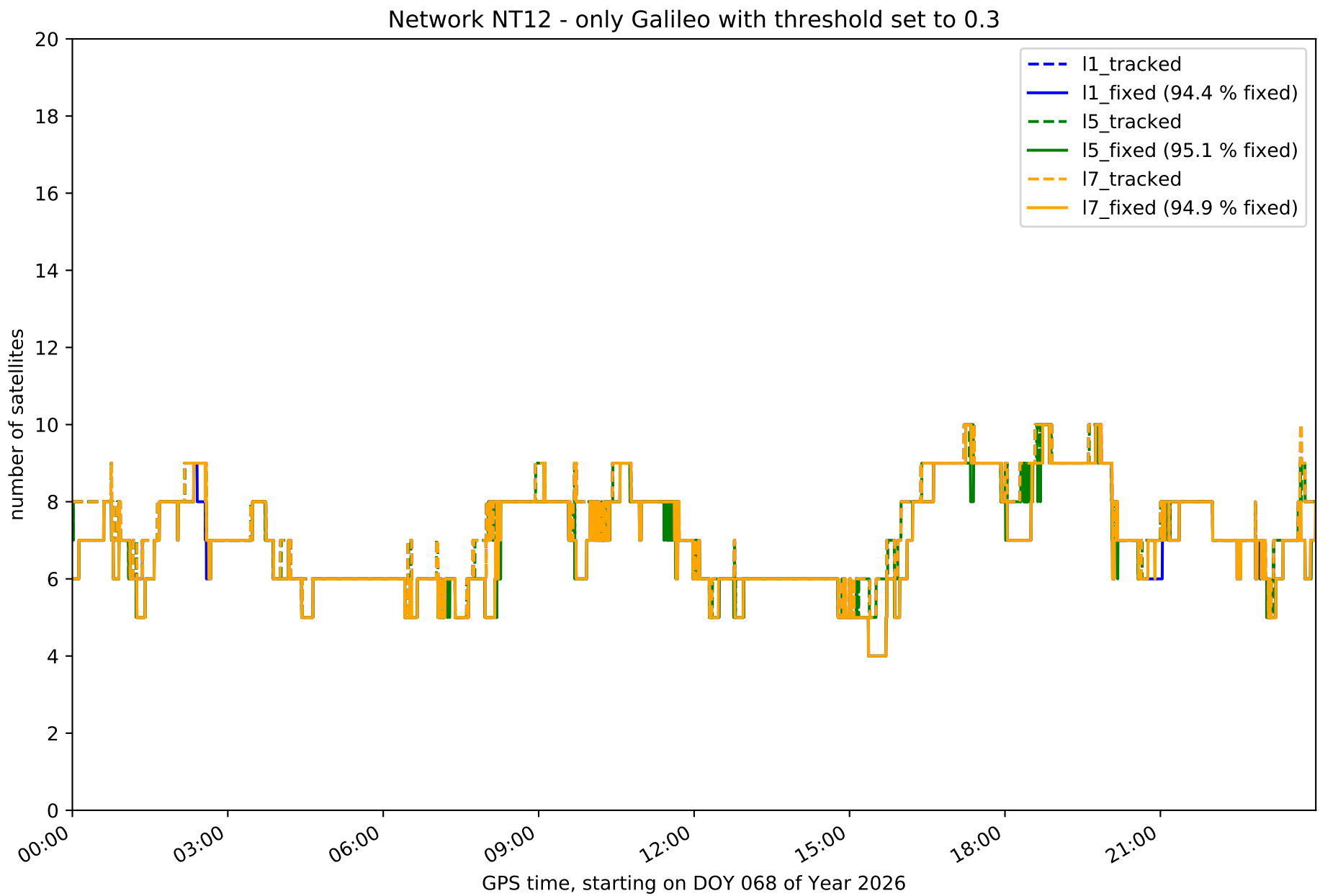

Network NT12 with threshold set to 0.3
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
40
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 068 of Year 2026

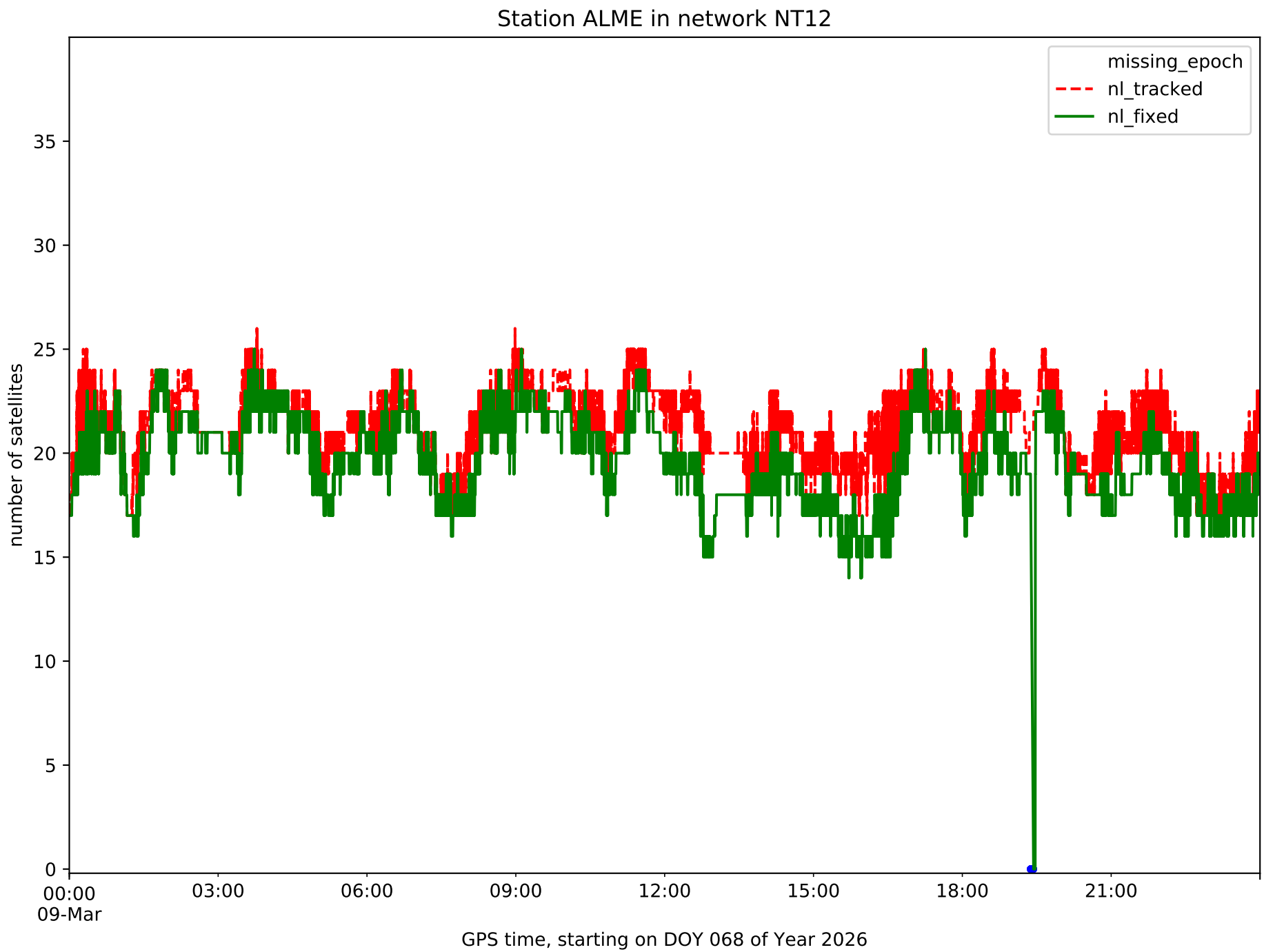

Fixing percentage of satellites in network NT12 with threshold set to 0.3
percentage fixed to tracked
100
90
80
70
60
50
40
30
20
10
0
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 068 of Year 2026

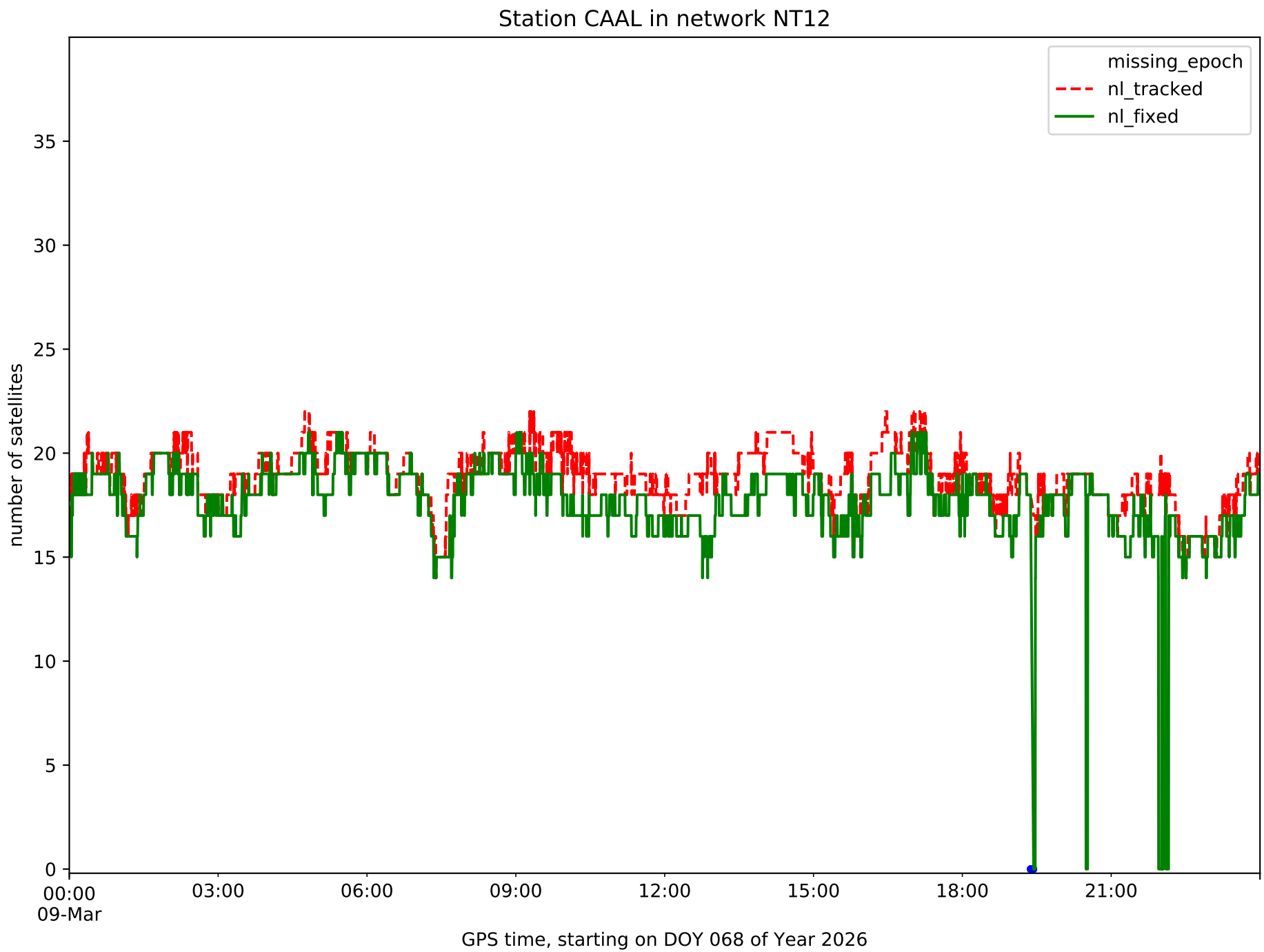

Network NT12 - only GPS with threshold set to 0.3
l1_tracked
l1_fixed (94.4 % fixed)
l2_tracked
l2_fixed (94.4 % fixed)
l5_tracked
l5_fixed (94.1 % fixed)
number of satellites
0
2
4
6
8
10
12
14
16
18
20
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 068 of Year 2026

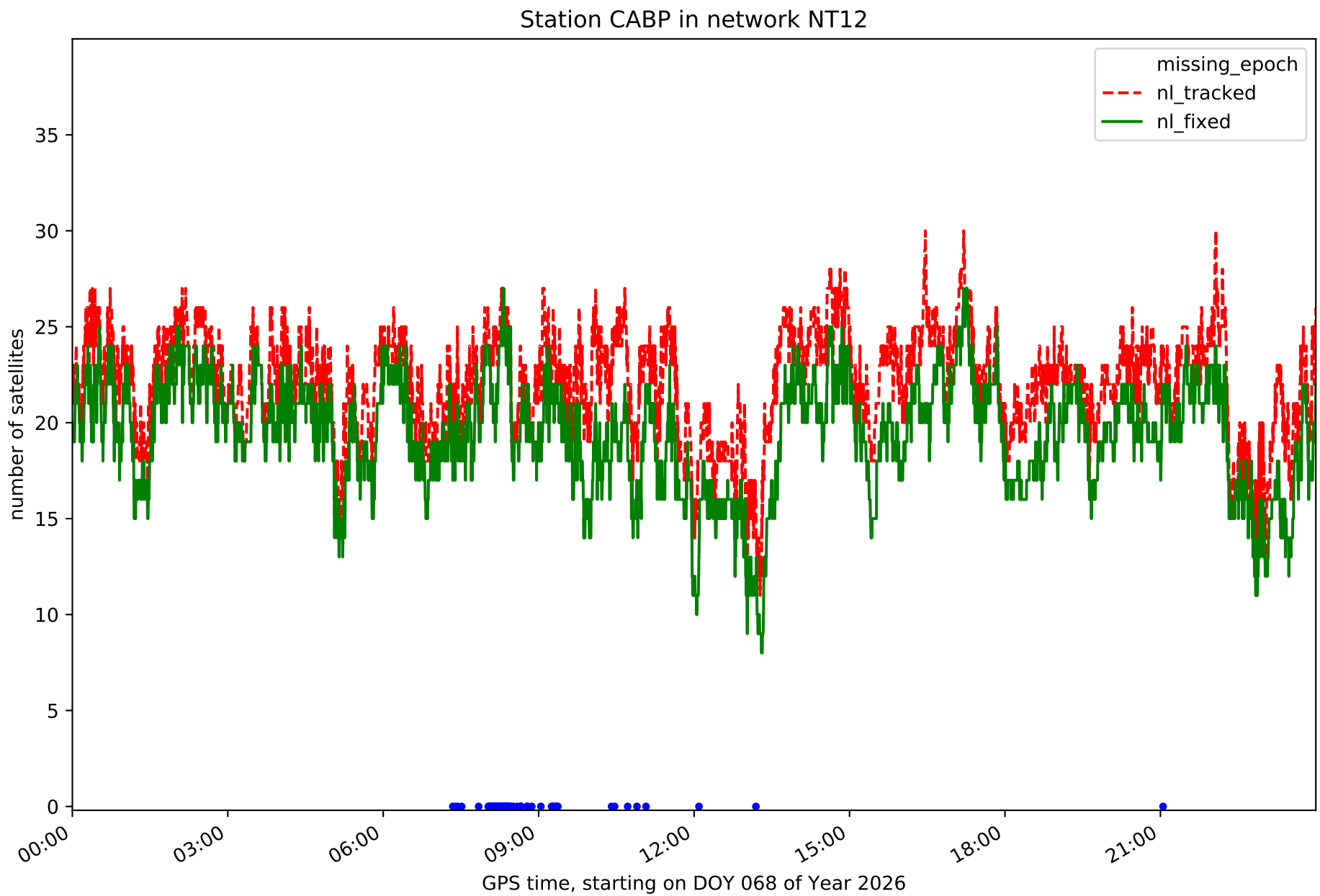

Network NT12 - only GLONASS with threshold set to 0.3
l1_tracked
l1_fixed (90.5 % fixed)
l2_tracked
l2_fixed (90.5 % fixed)
number of satellites
0
2
4
6
8
10
12
14
16
18
20
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 068 of Year 2026

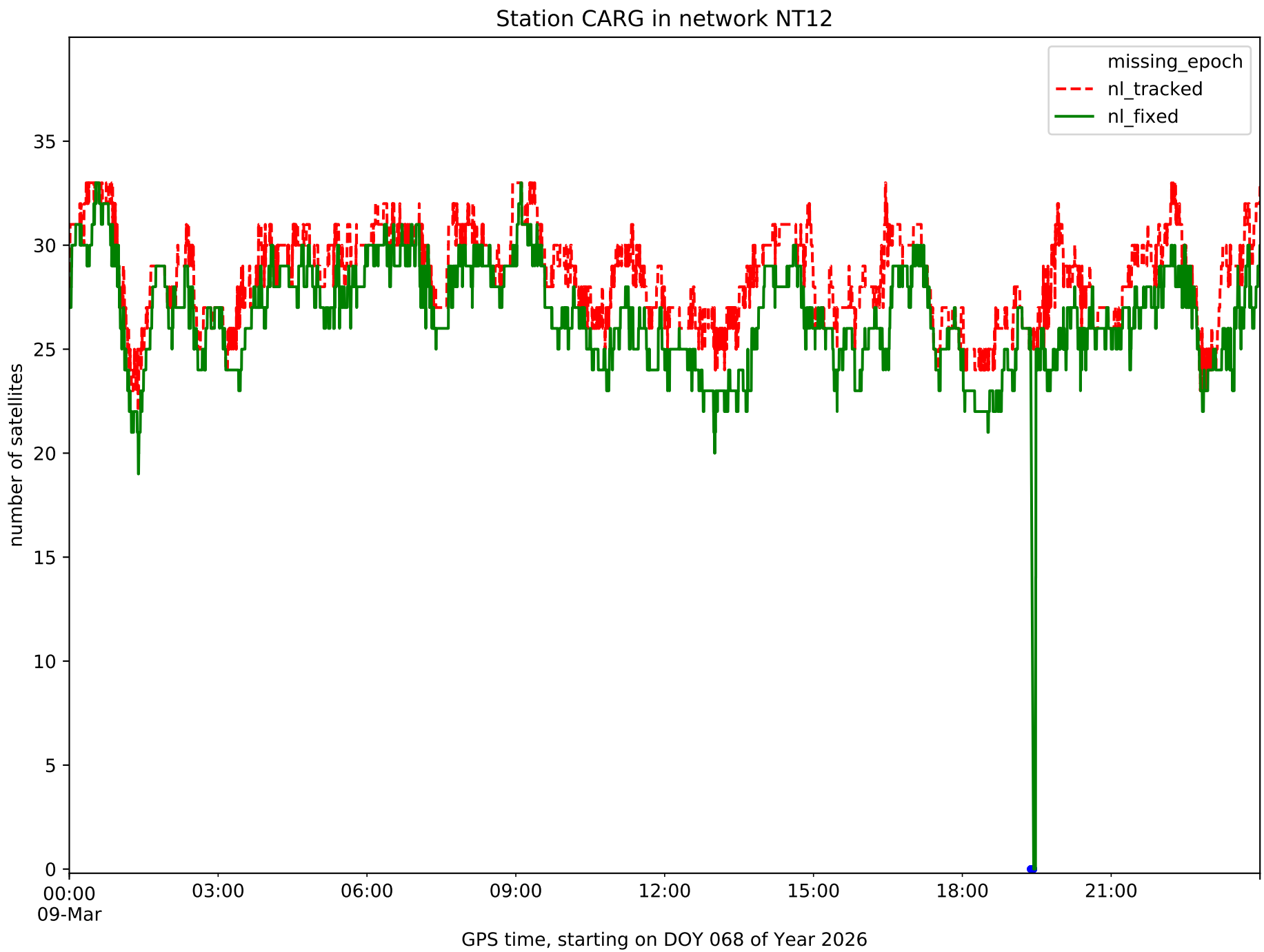

Network NT12 - only BDS with threshold set to 0.3
number of satellites
GPS time, starting on DOY 068 of Year 2026
0
2
4
6
8
10
12
14
16
18
20
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
l2_tracked
l2_fixed (93.3 % fixed)
l6_tracked
l6_fixed (93.4 % fixed)
l7_tracked
l7_fixed (87.8 % fixed)

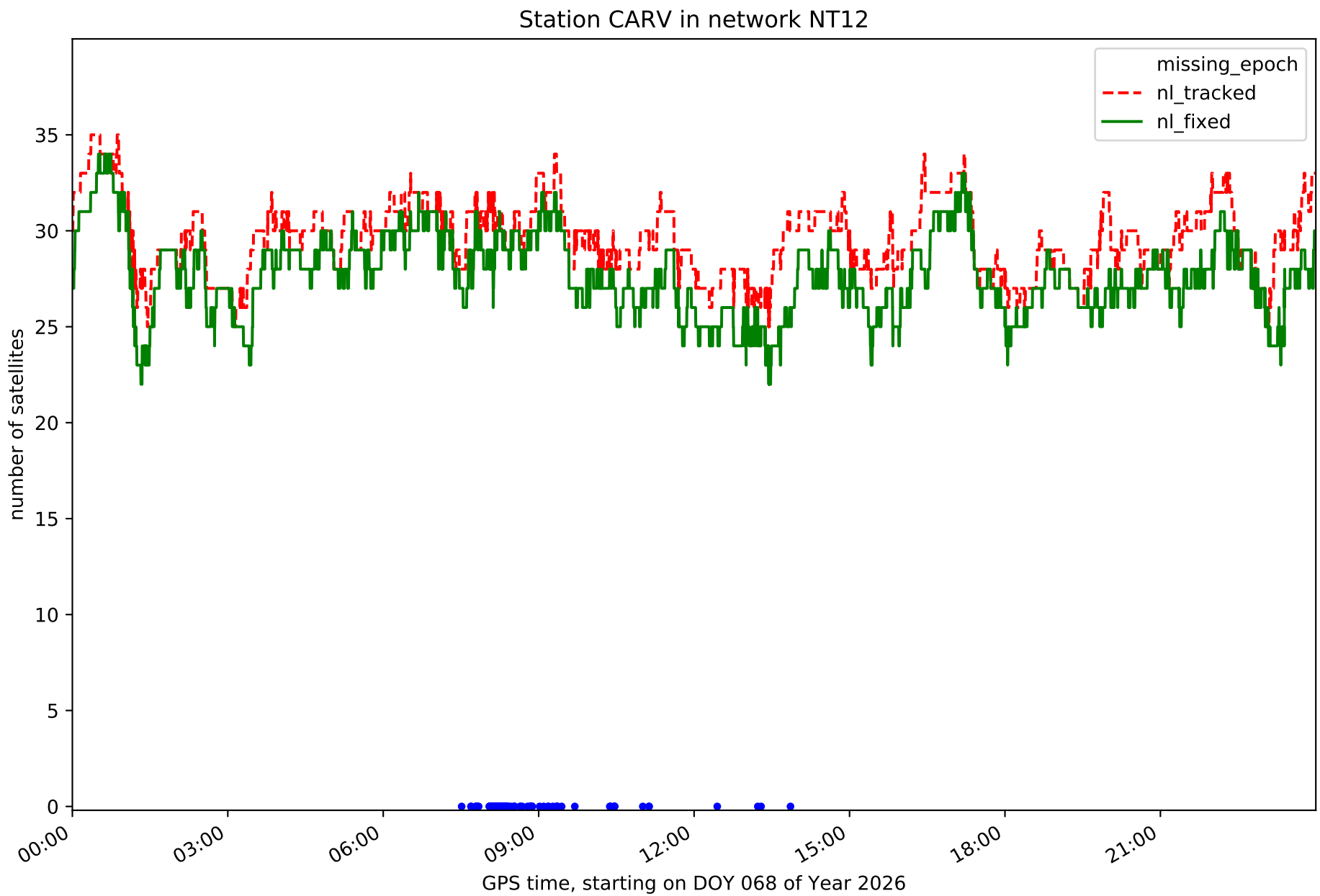

Network NT12 - only Galileo with threshold set to 0.3
l1_tracked
l1_fixed (94.4 % fixed)
l5_tracked
l5_fixed (95.1 % fixed)
l7_tracked
l7_fixed (94.9 % fixed)
number of satellites
0
2
4
6
8
10
12
14
16
18
20
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 068 of Year 2026

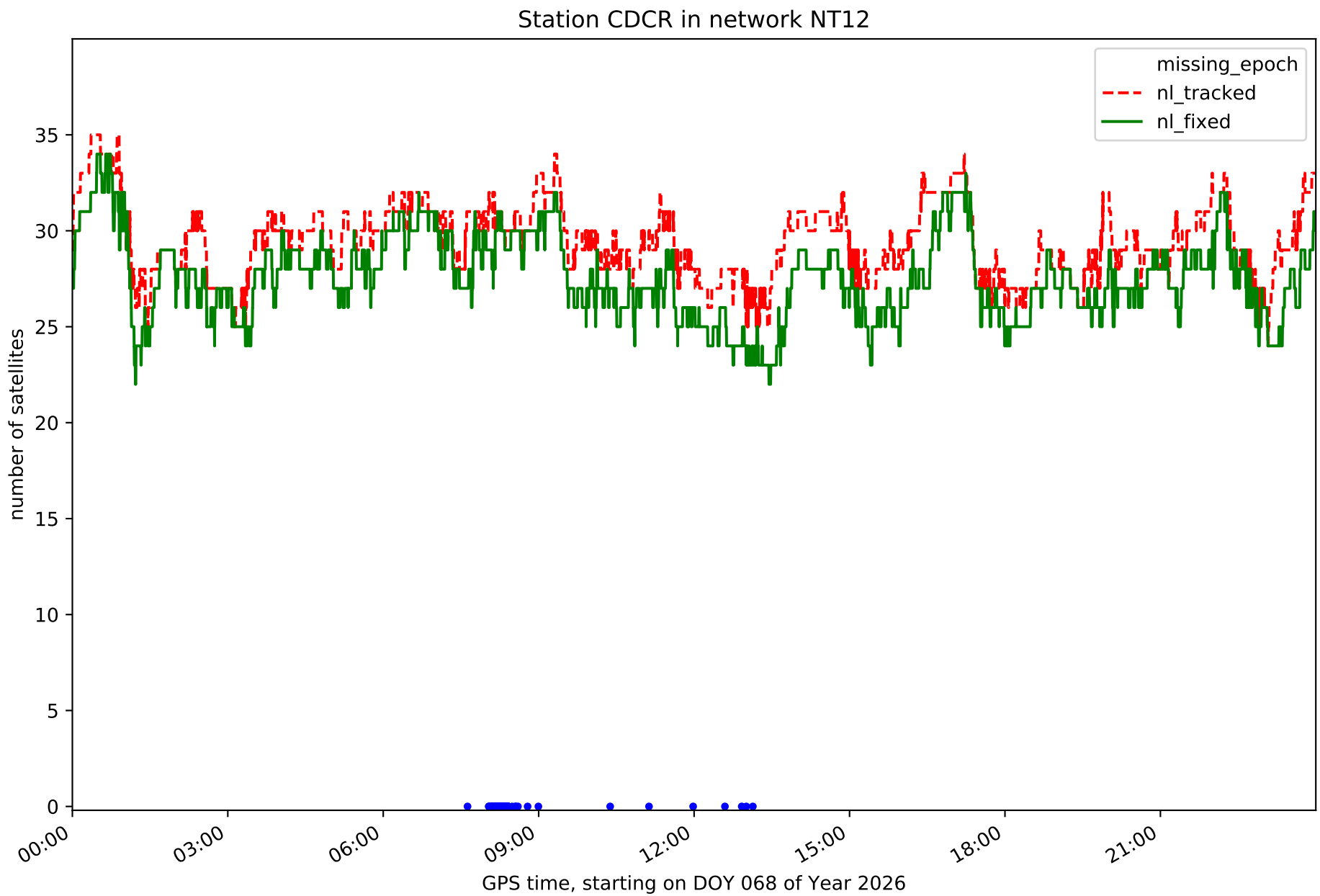

Station ALME in network NT12
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
09-Mar
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 068 of Year 2026

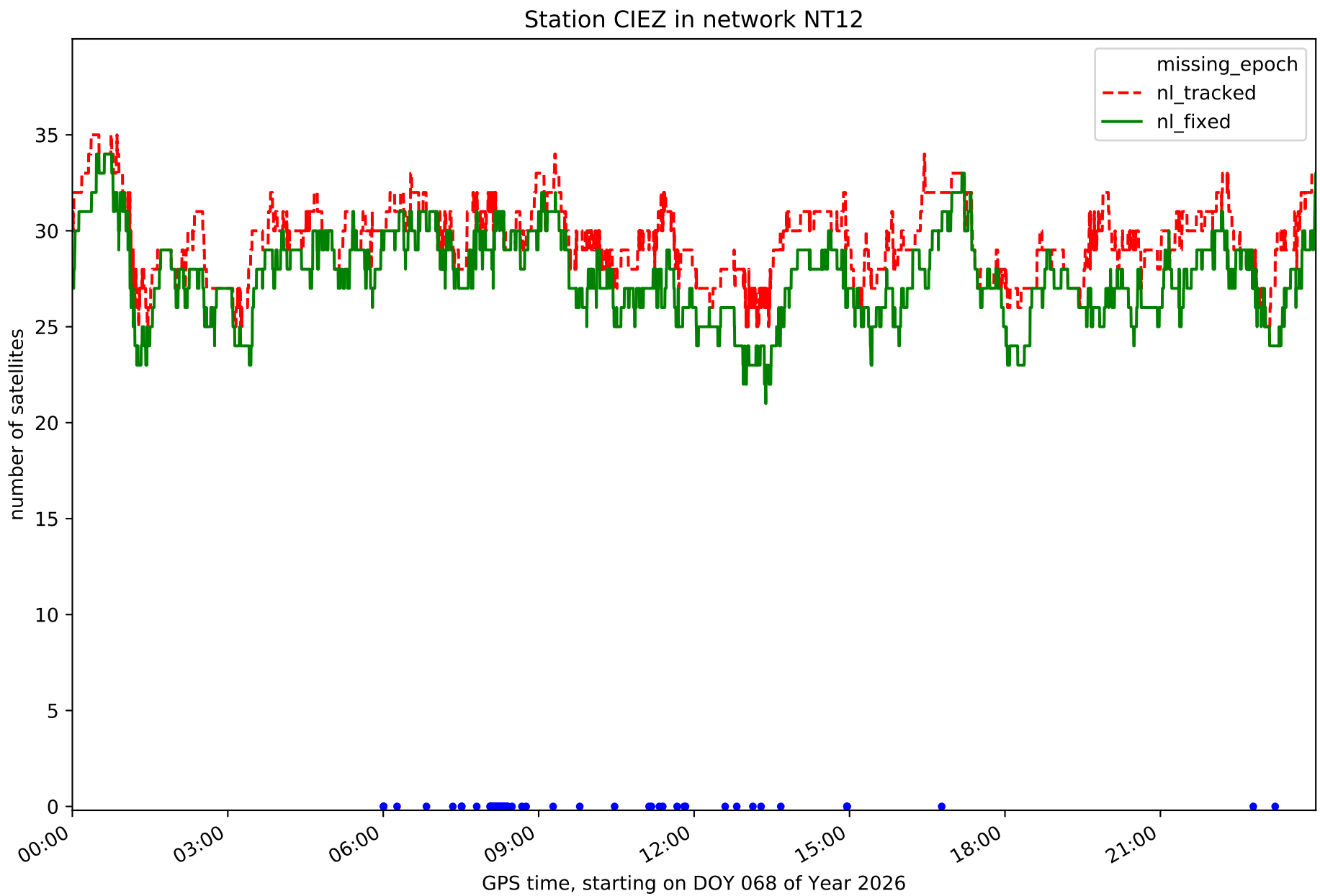

Station CAAL in network NT12
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
09-Mar
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 068 of Year 2026

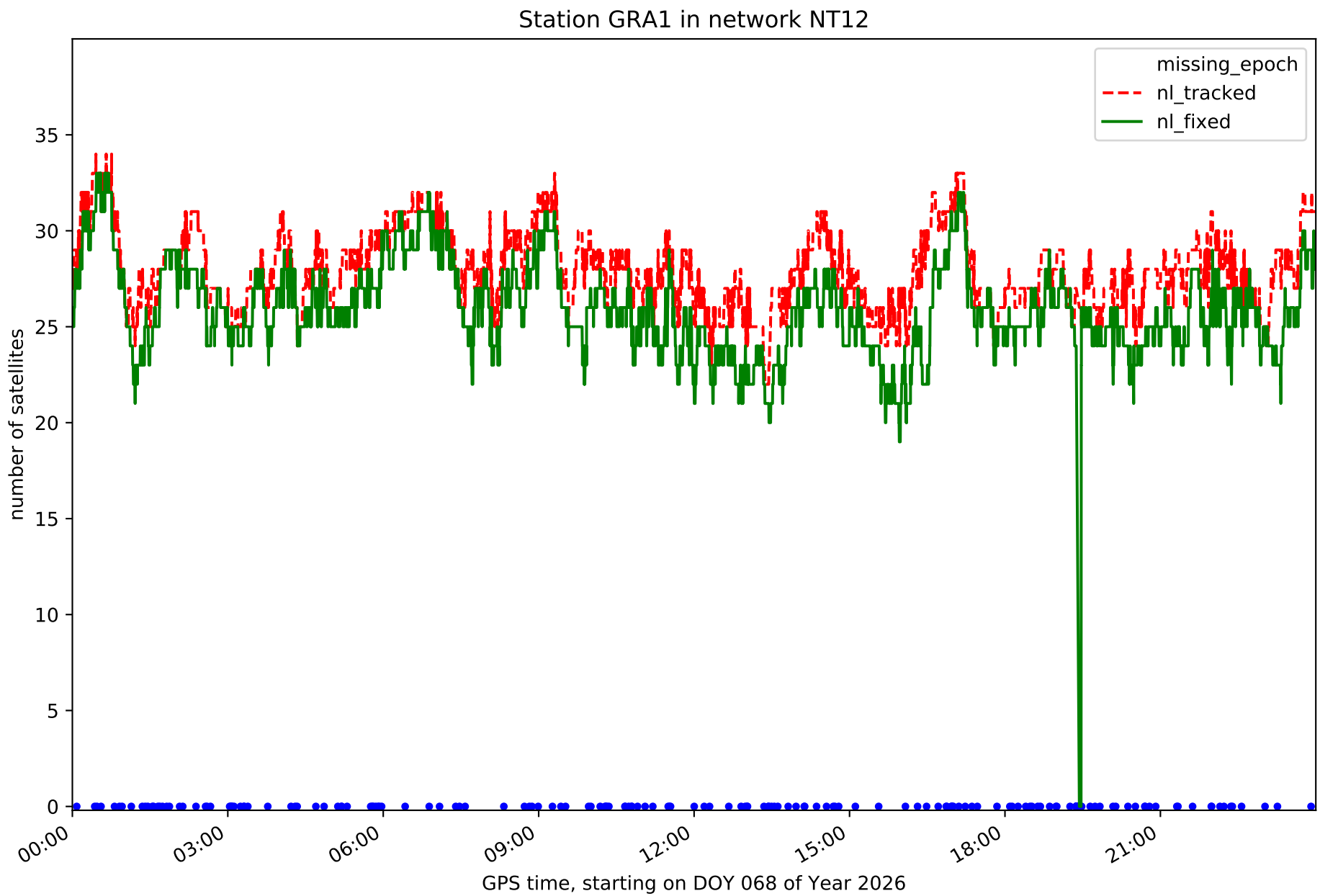

Station CABP in network NT12
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 068 of Year 2026

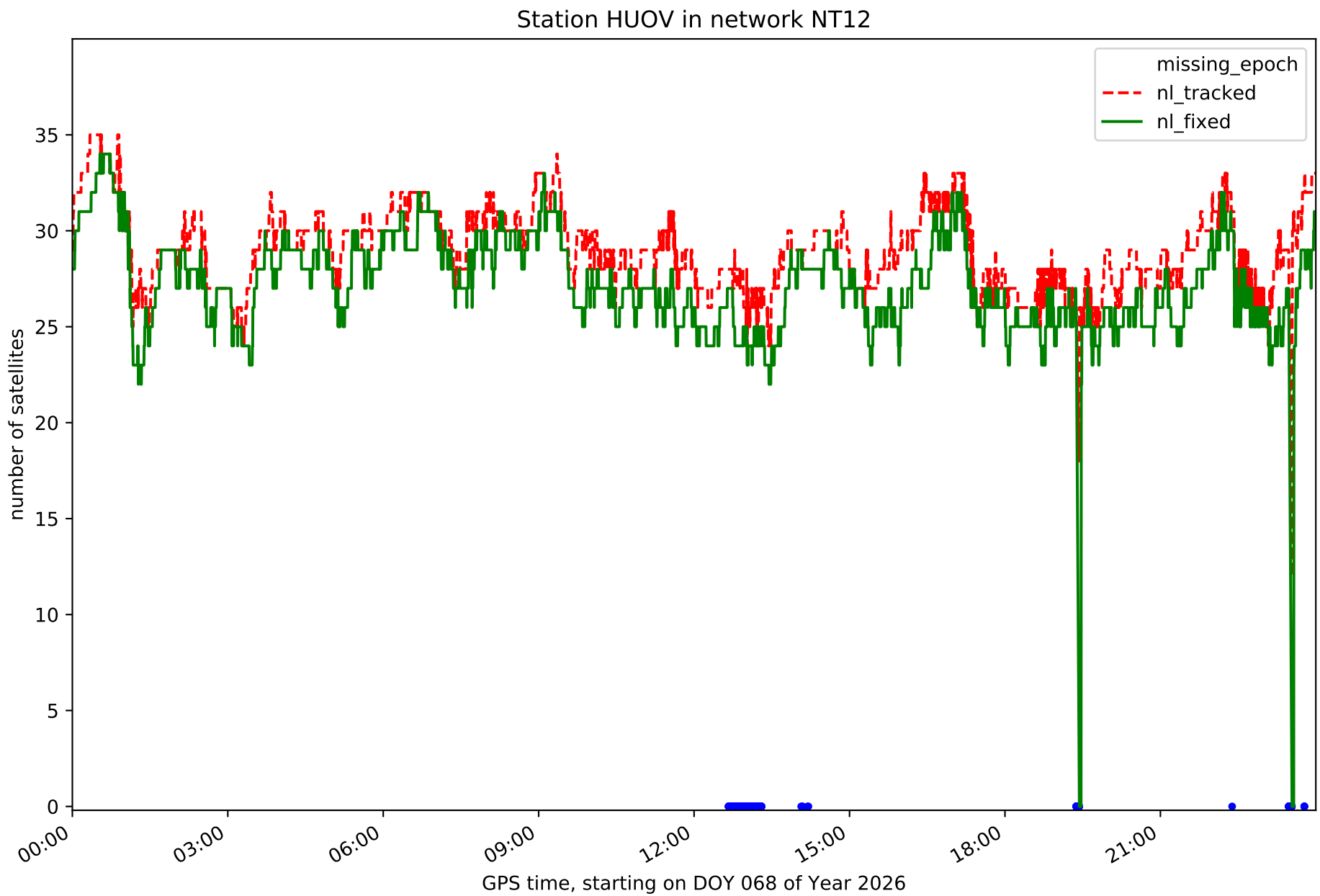

Station CARG in network NT12
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
09-Mar
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 068 of Year 2026

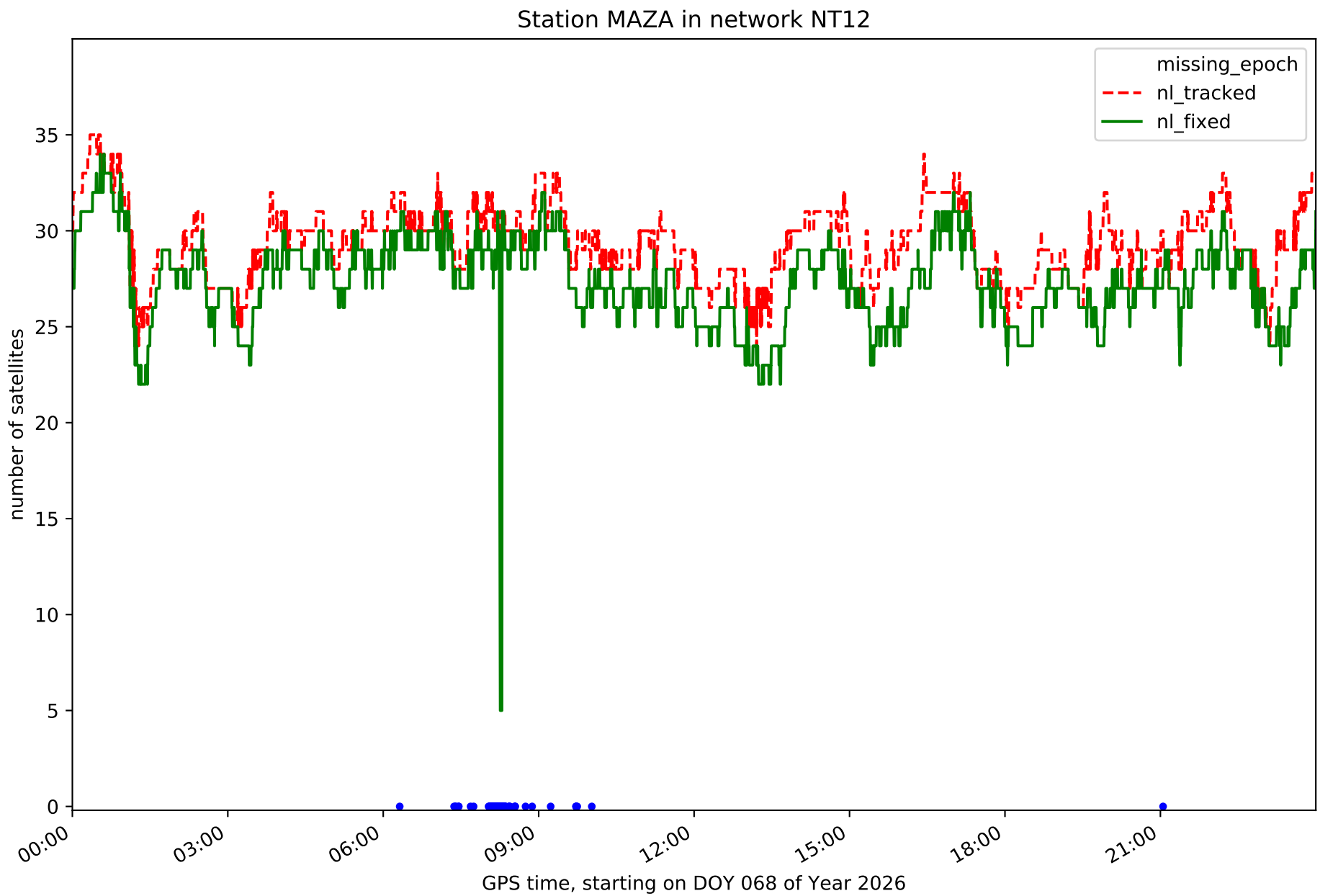

Station CARV in network NT12
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 068 of Year 2026

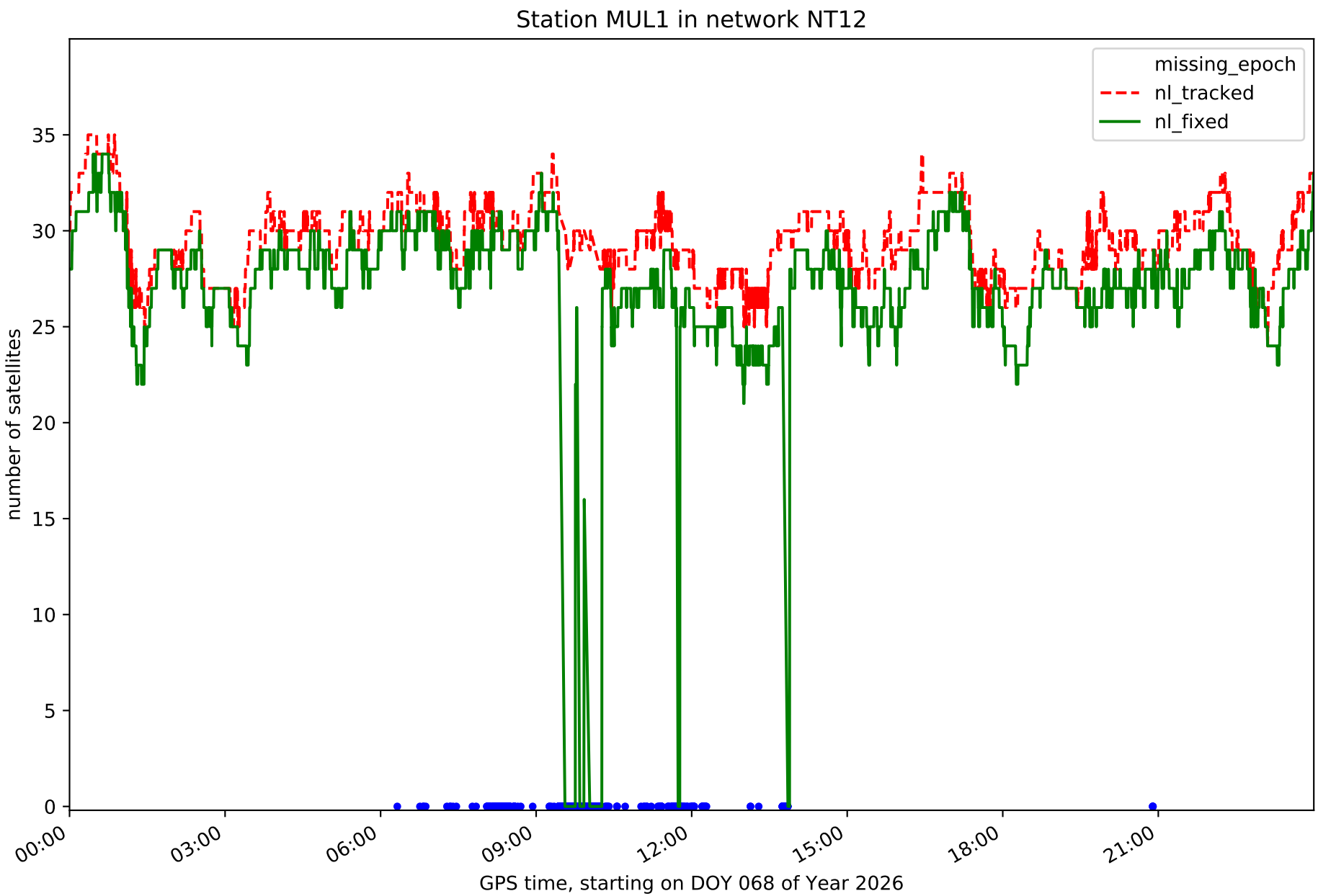

Station CDCR in network NT12
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 068 of Year 2026

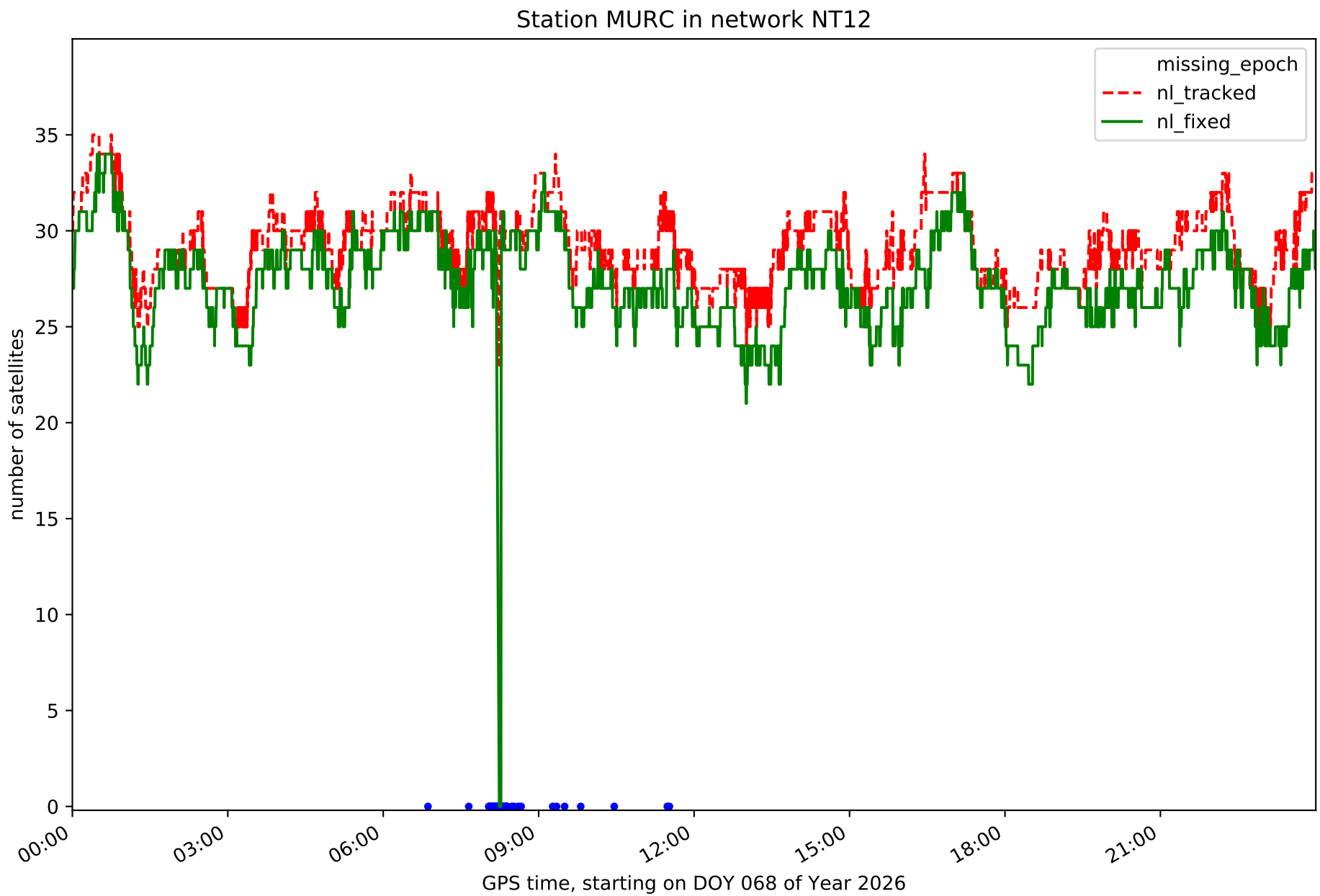

Station CIEZ in network NT12
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 068 of Year 2026

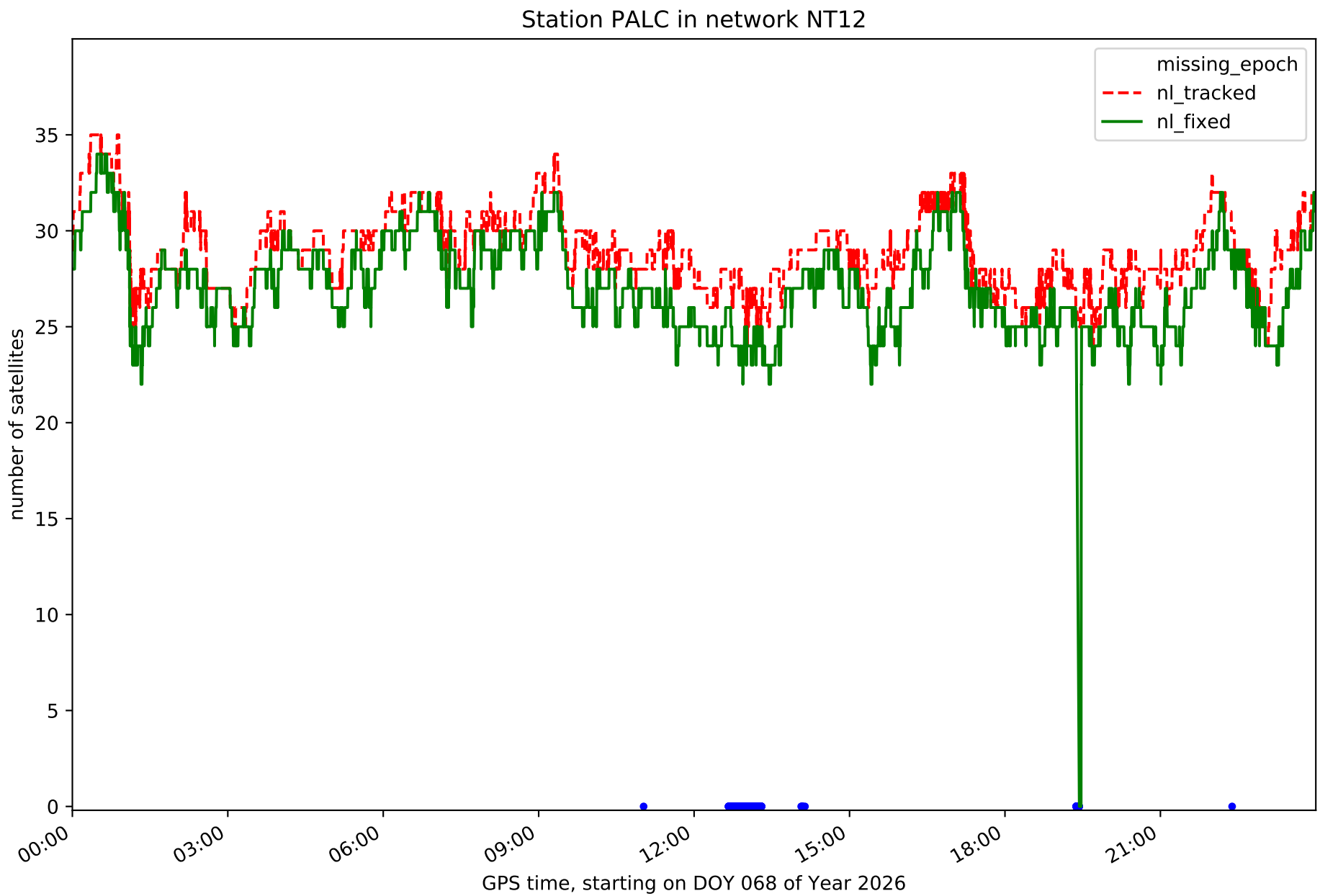

Station GRA1 in network NT12
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 068 of Year 2026

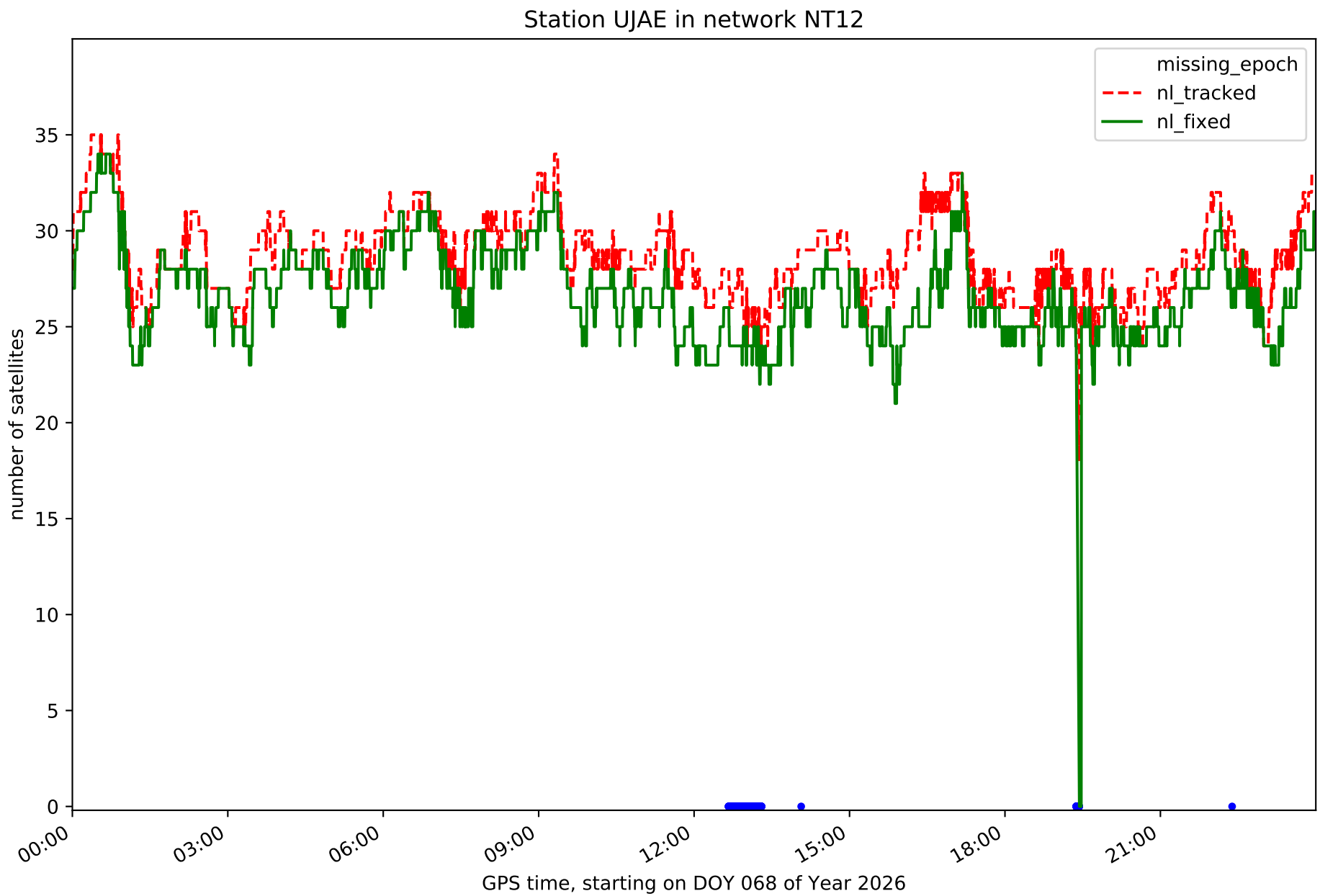

Station HUOV in network NT12
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 068 of Year 2026

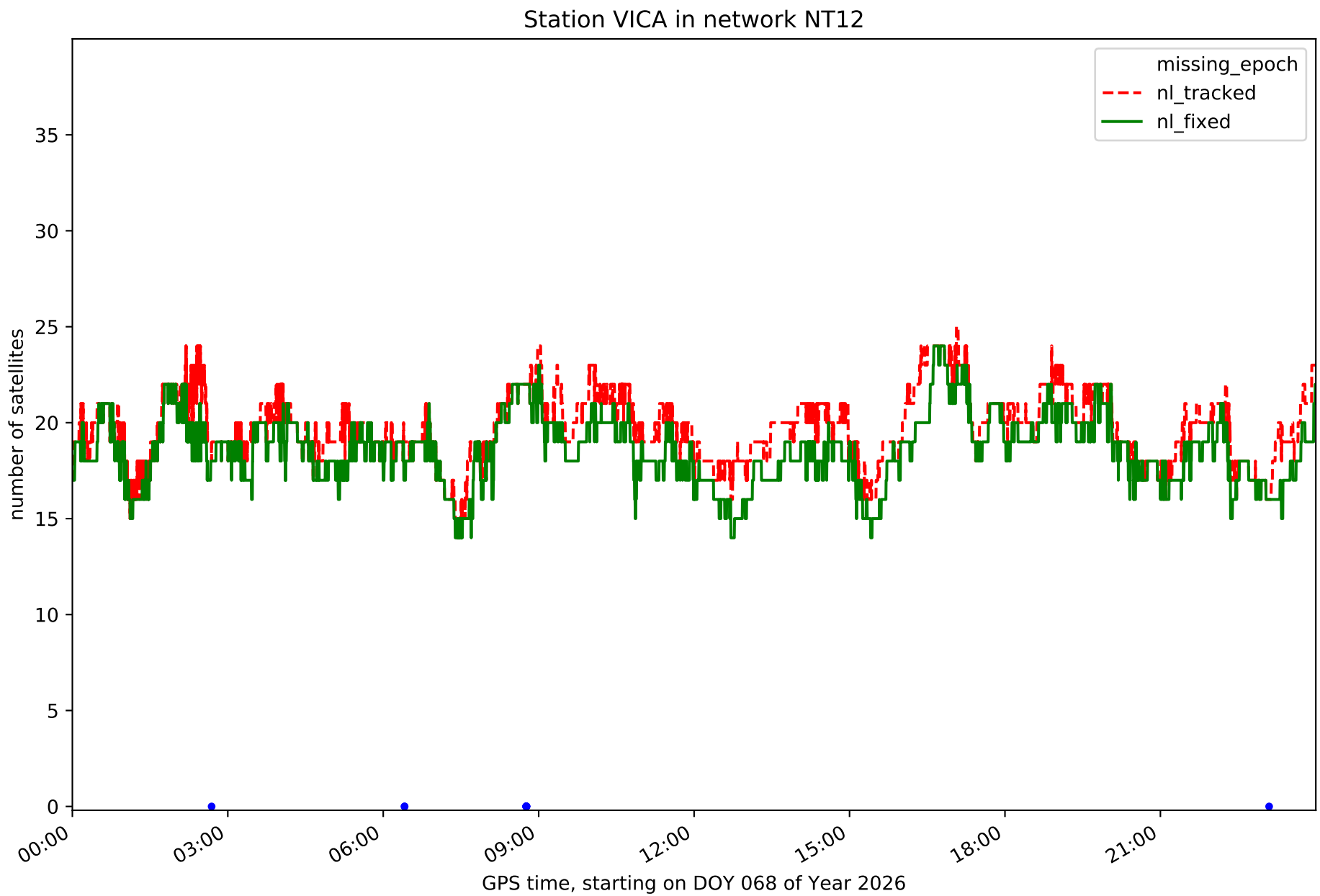

Station MAZA in network NT12
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 068 of Year 2026

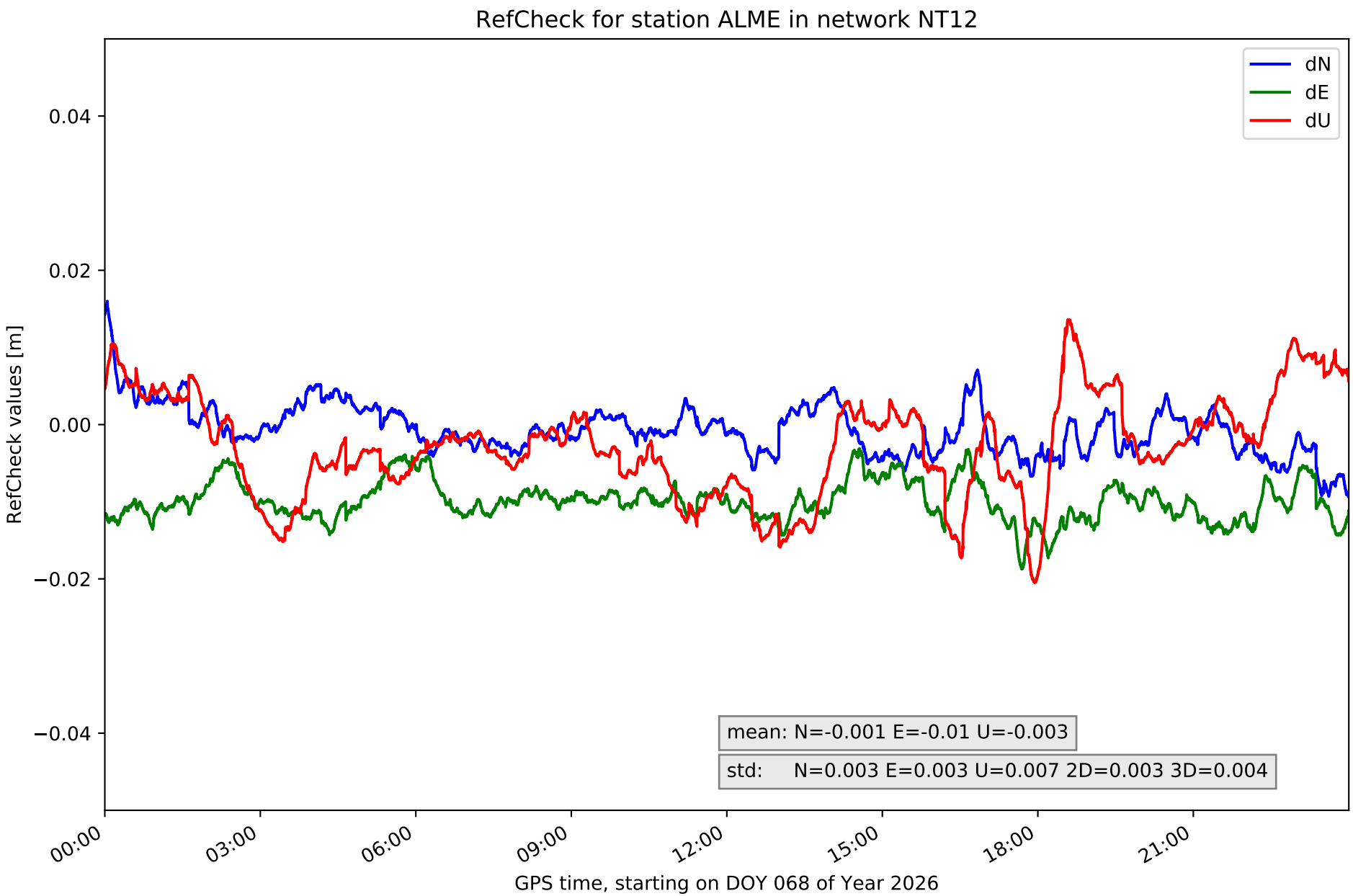

Station MUL1 in network NT12
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 068 of Year 2026

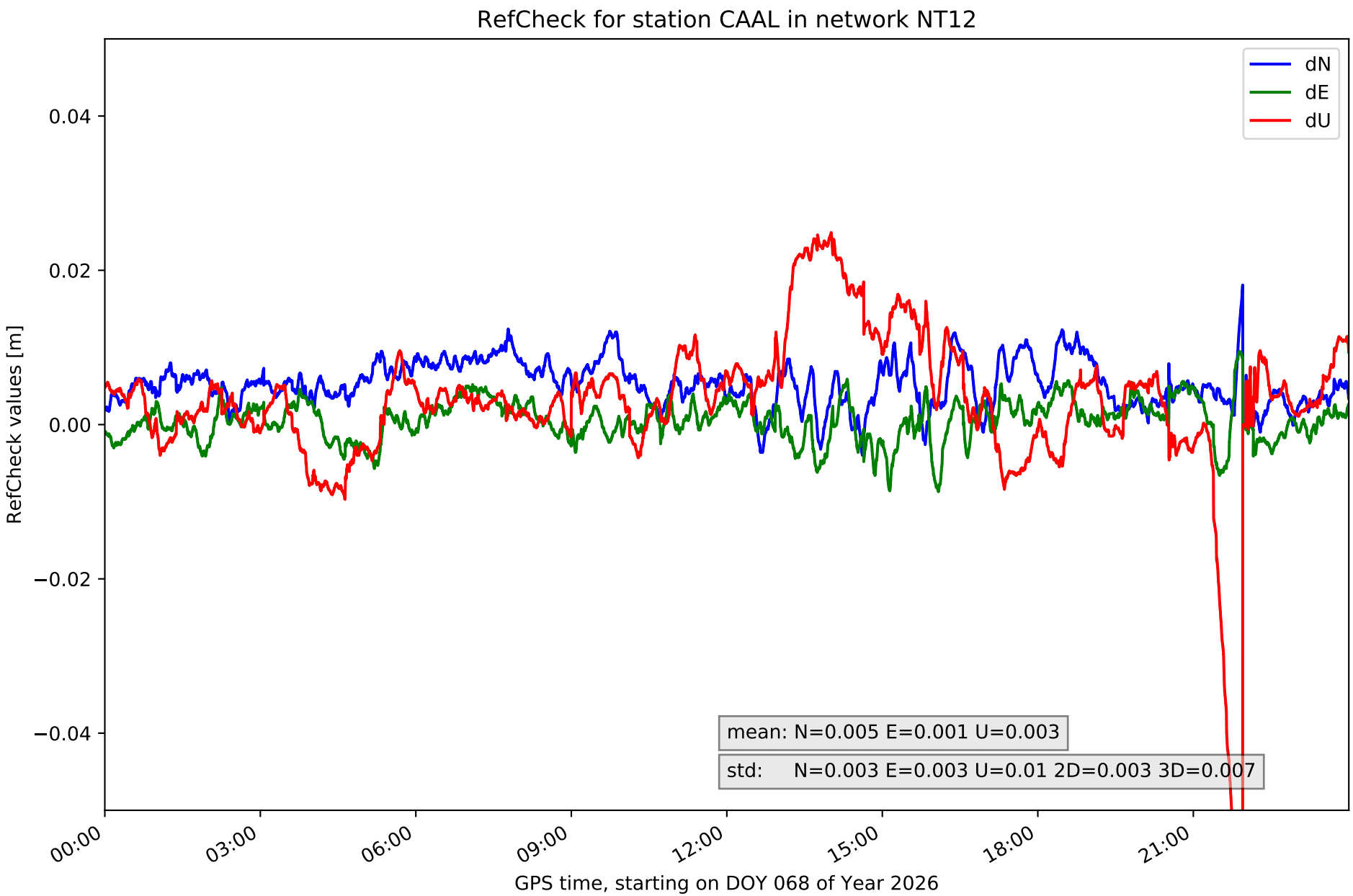

Station MURC in network NT12
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 068 of Year 2026

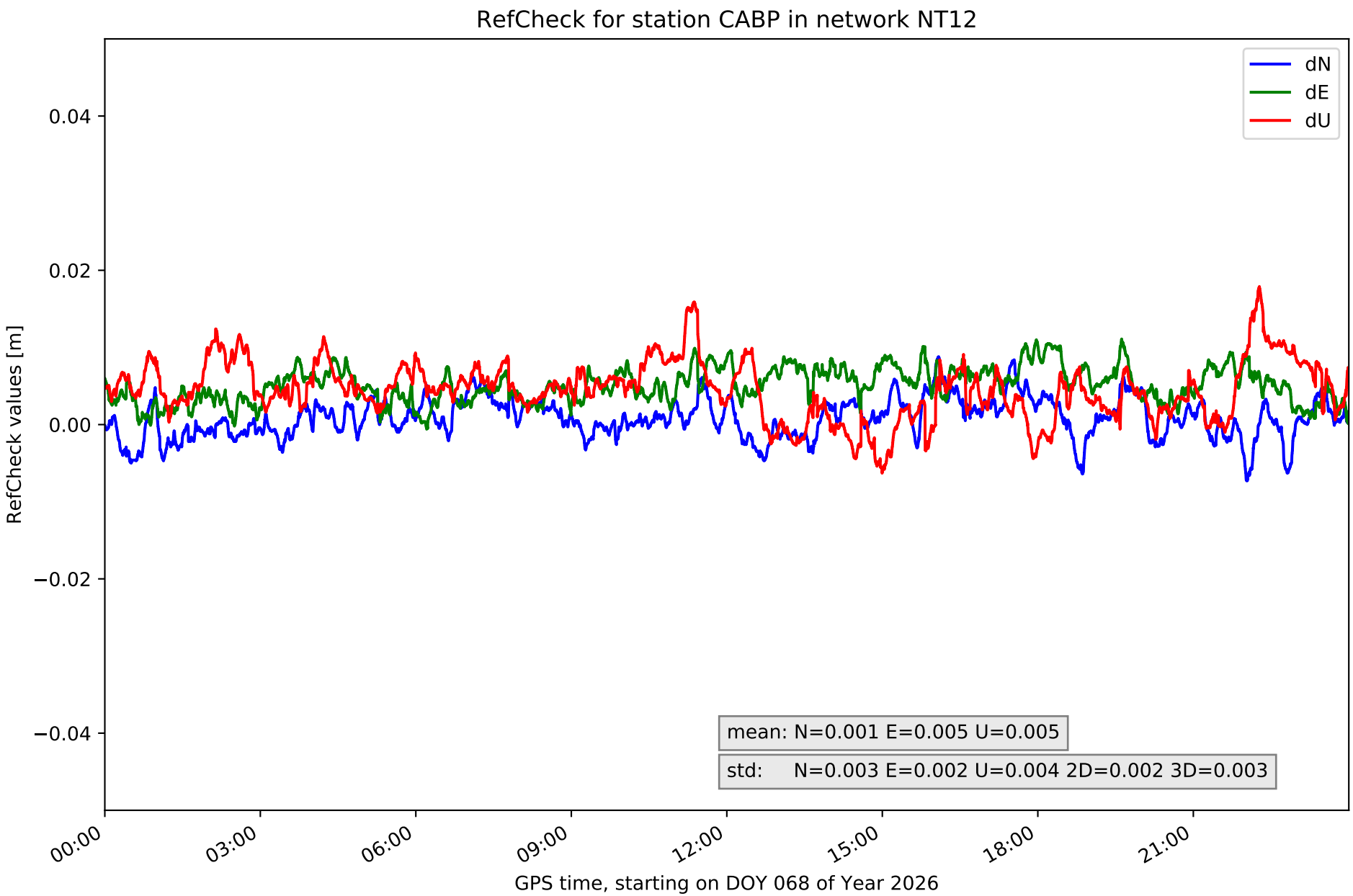

Station PALC in network NT12
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 068 of Year 2026

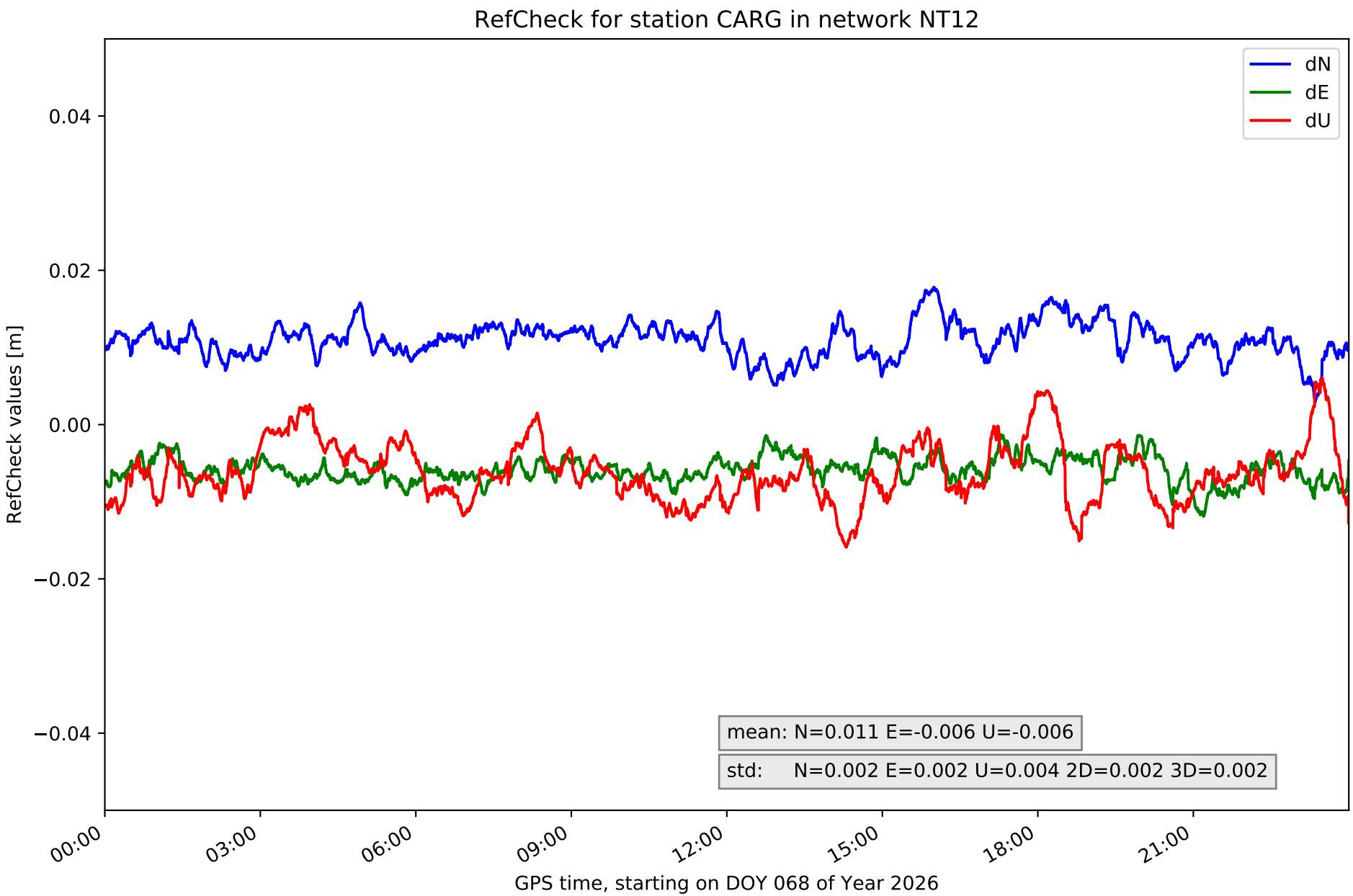

Station UJAE in network NT12
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 068 of Year 2026

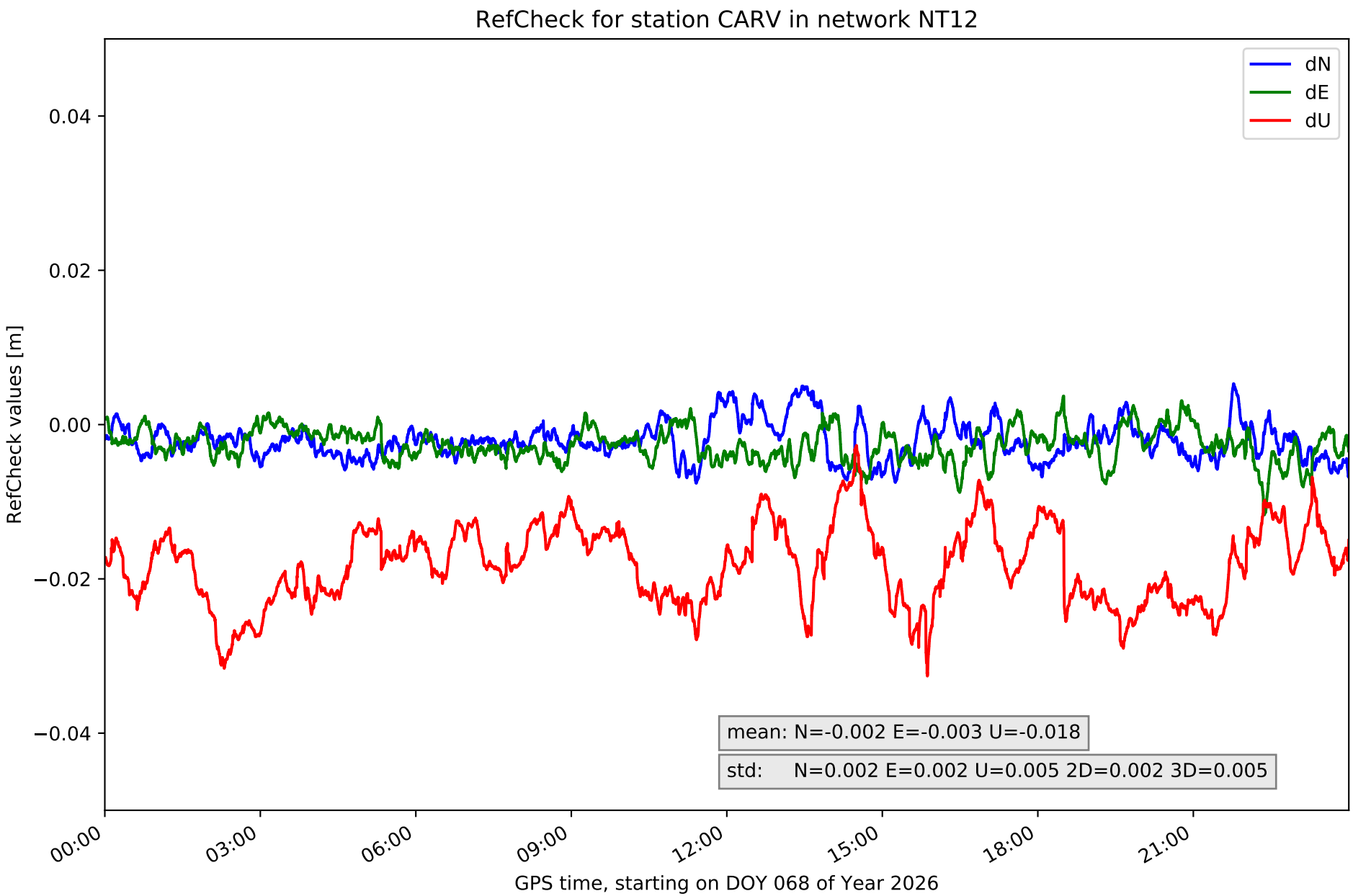

Station VICA in network NT12
missing_epoch
nl_tracked
nl_fixed
number of satellites
0
5
10
15
20
25
30
35
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 068 of Year 2026

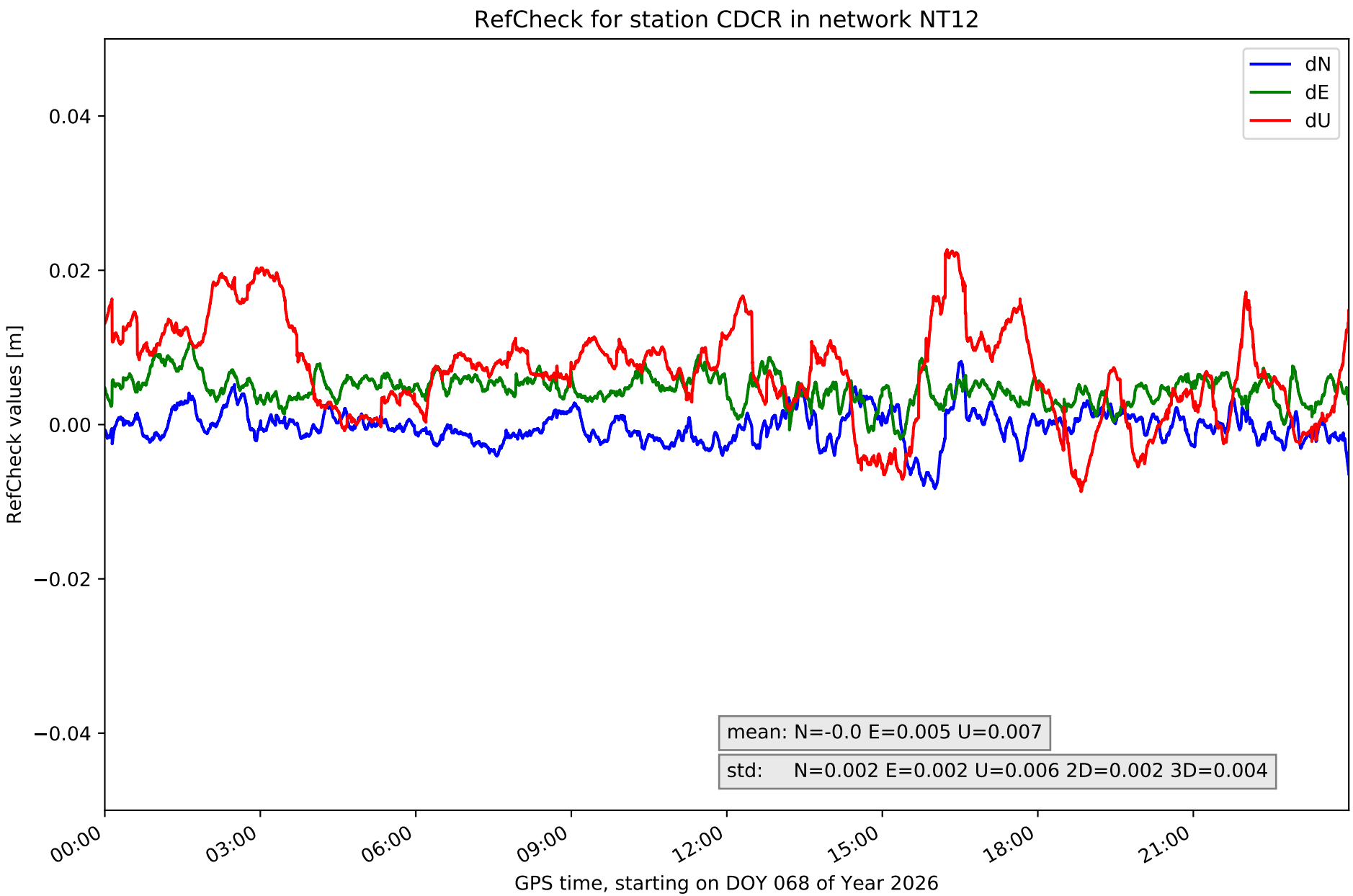

RefCheck for station ALME in network NT12
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.001 E=-0.01 U=-0.003
std: N=0.003 E=0.003 U=0.007 2D=0.003 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 068 of Year 2026

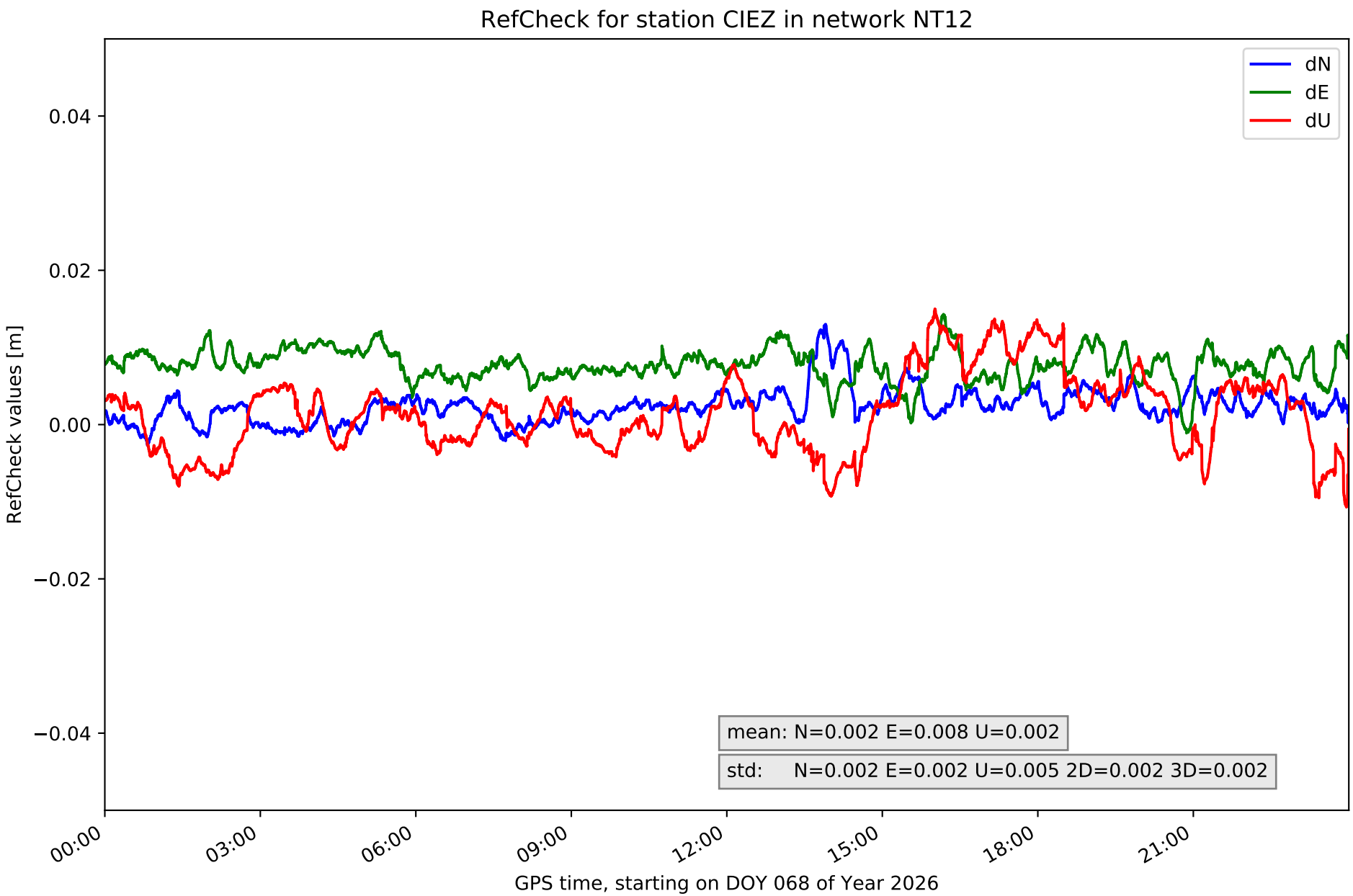

RefCheck for station CAAL in network NT12
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.005 E=0.001 U=0.003
std: N=0.003 E=0.003 U=0.01 2D=0.003 3D=0.007
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 068 of Year 2026

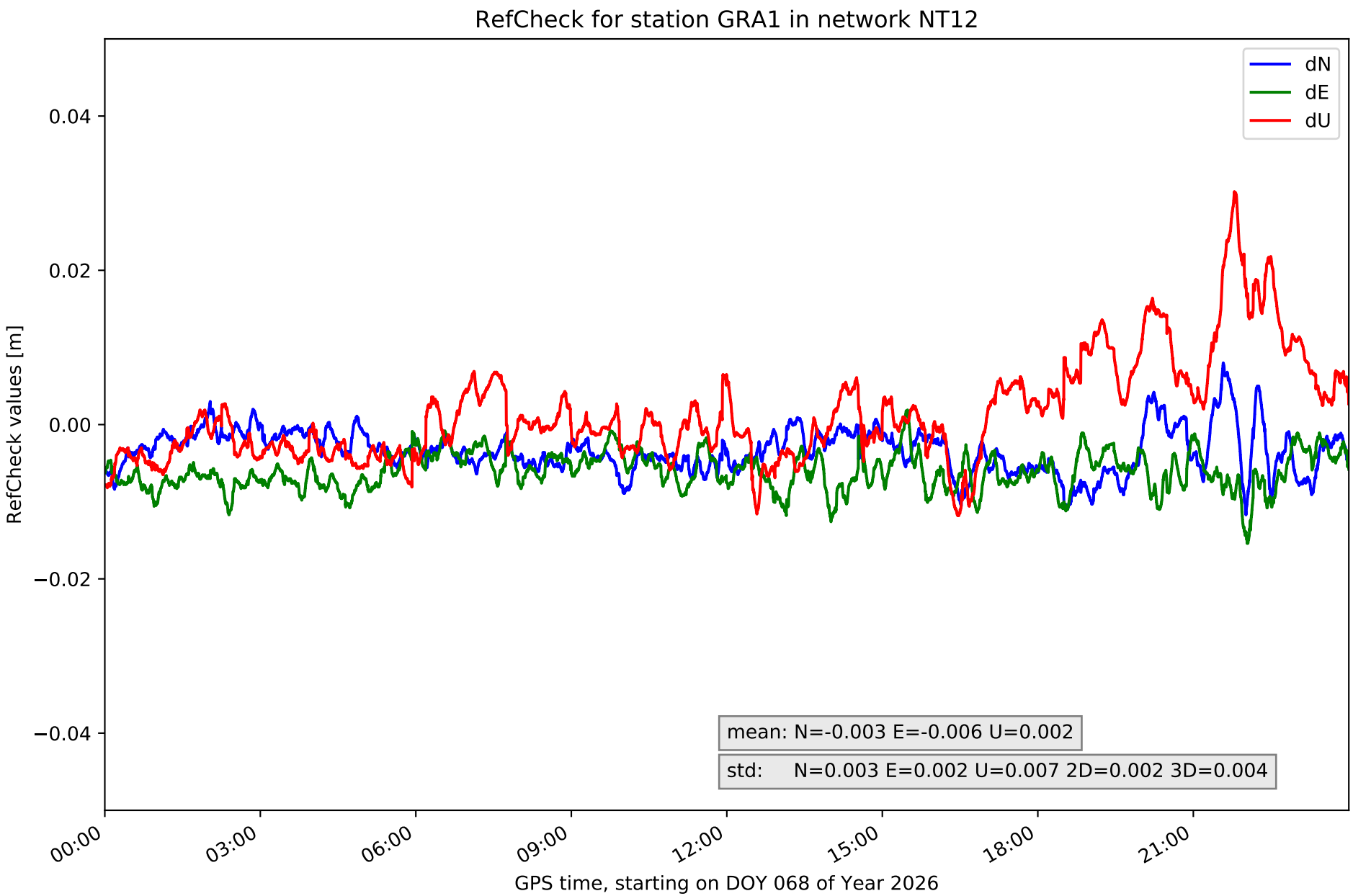

RefCheck for station CABP in network NT12
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.001 E=0.005 U=0.005
std: N=0.003 E=0.002 U=0.004 2D=0.002 3D=0.003
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 068 of Year 2026

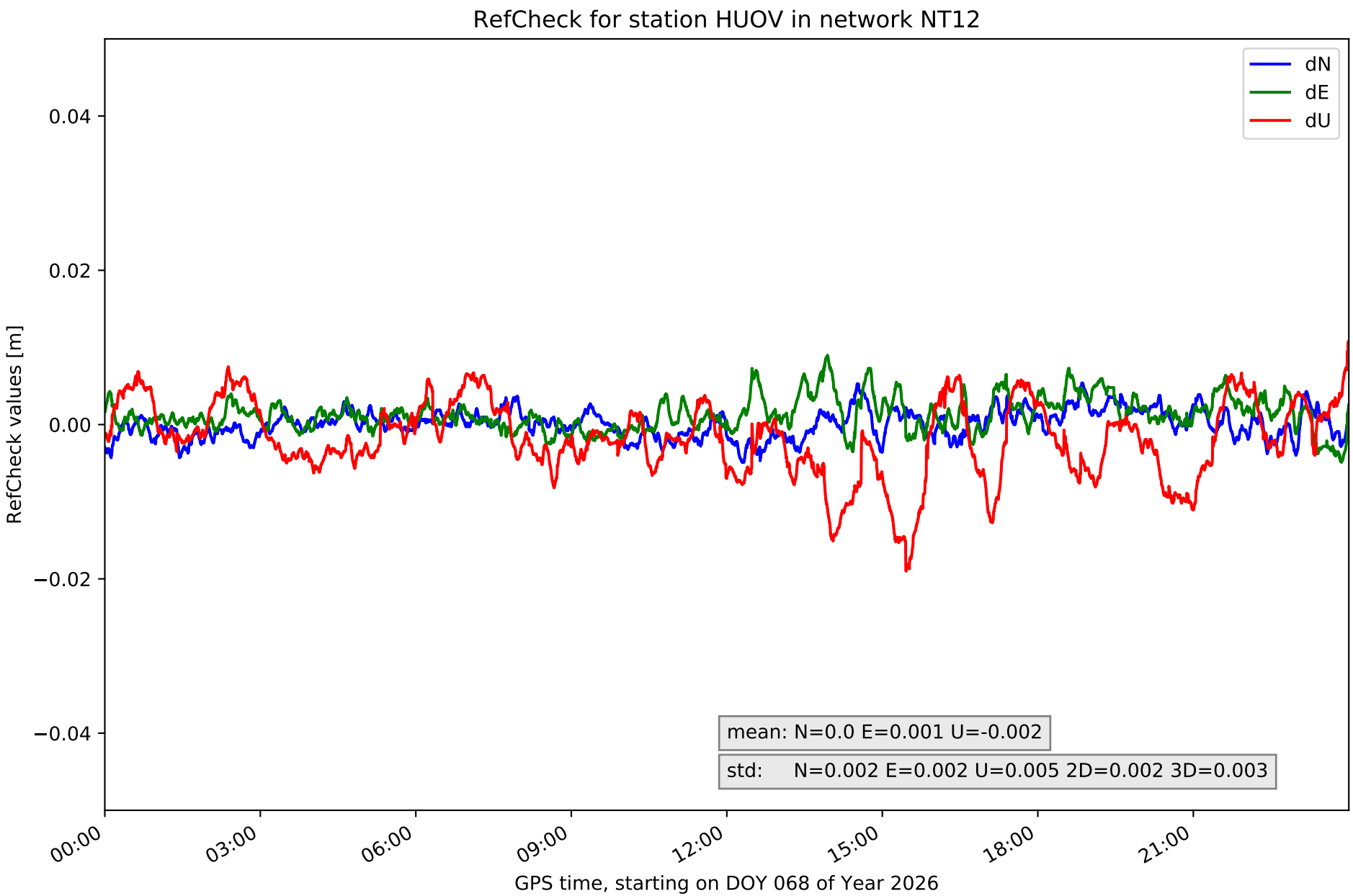

RefCheck for station CARG in network NT12
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.011 E=-0.006 U=-0.006
std: N=0.002 E=0.002 U=0.004 2D=0.002 3D=0.002
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 068 of Year 2026

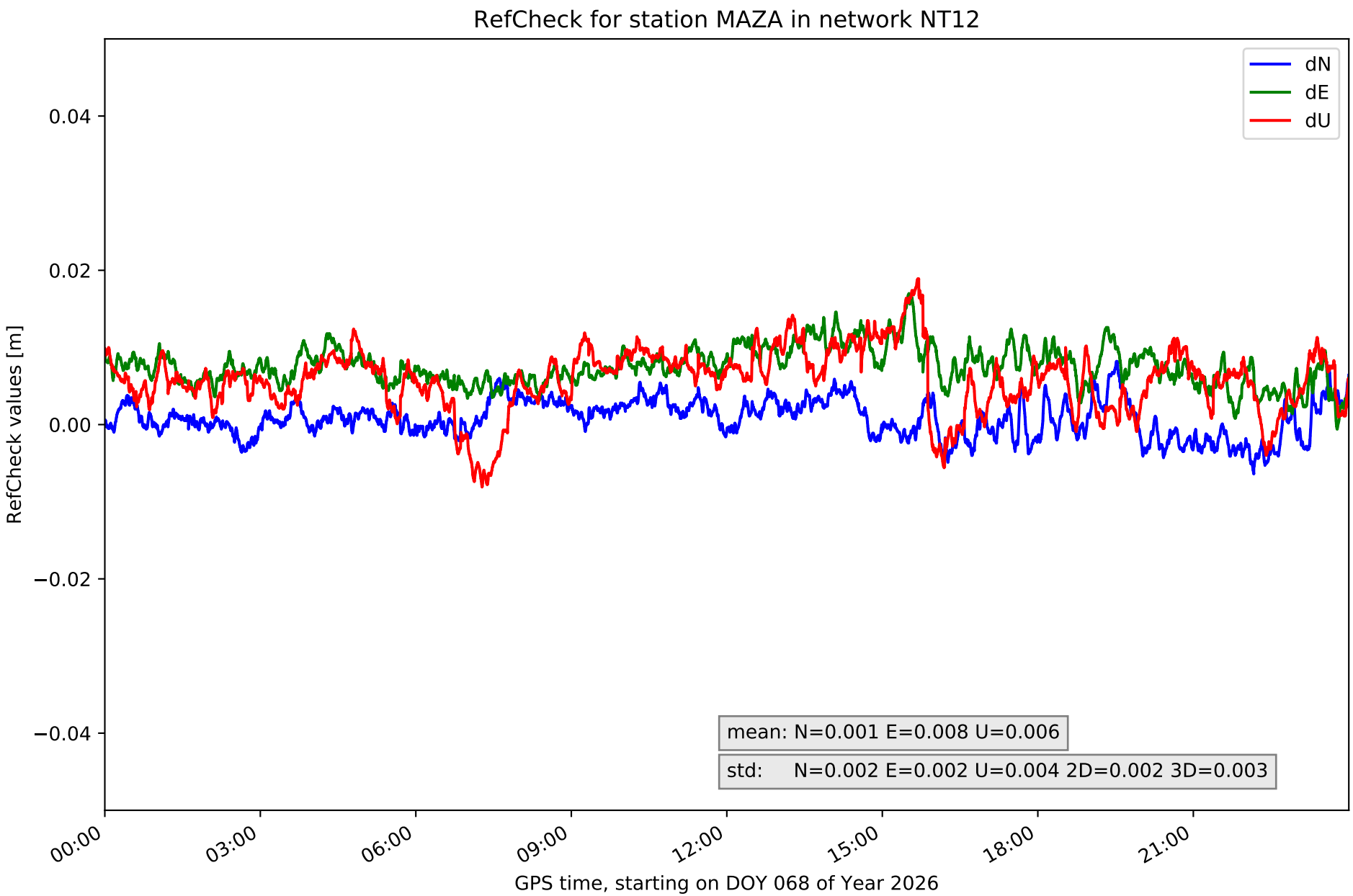

RefCheck for station CARV in network NT12
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.002 E=-0.003 U=-0.018
std: N=0.002 E=0.002 U=0.005 2D=0.002 3D=0.005
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 068 of Year 2026

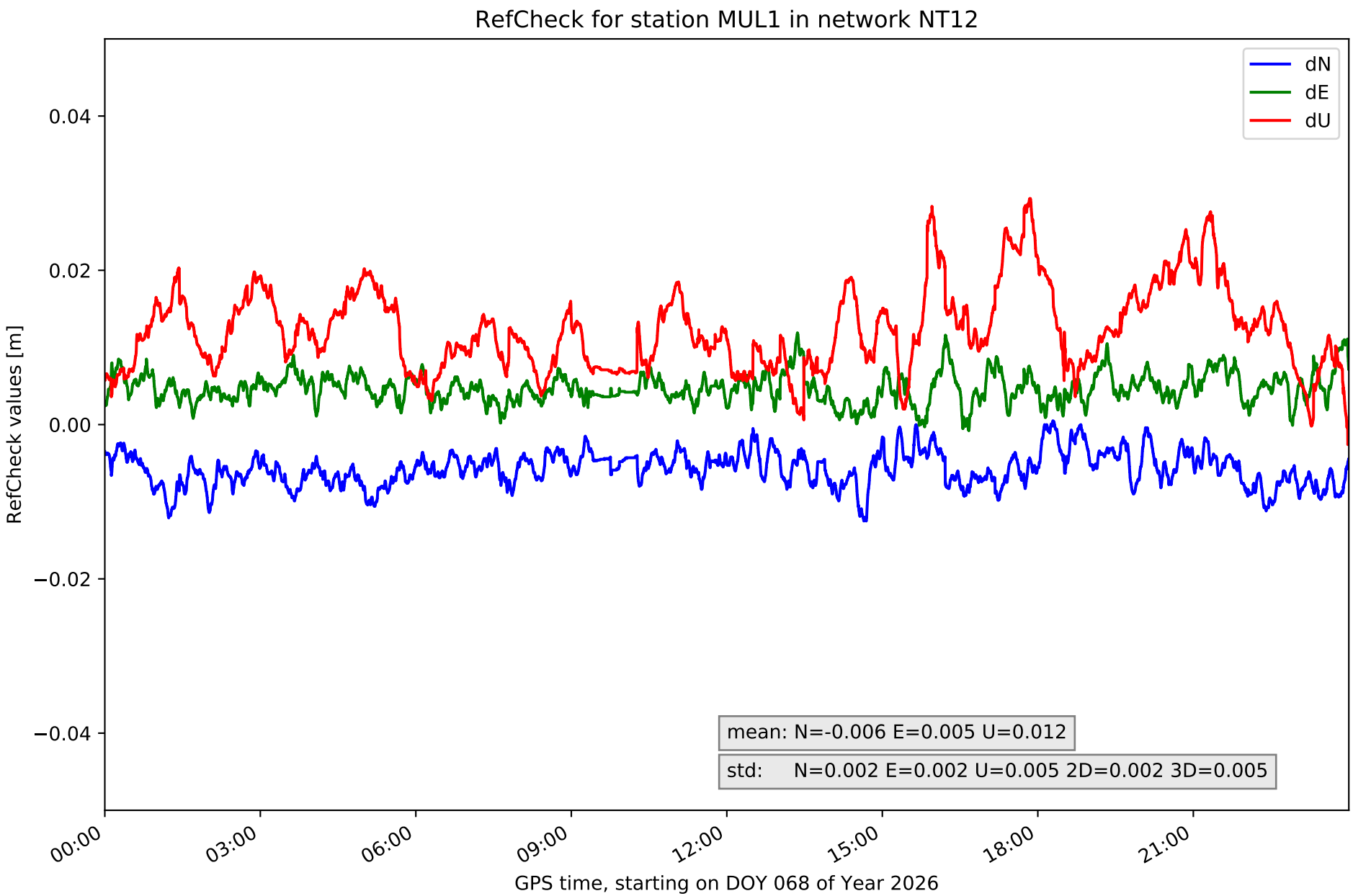

RefCheck for station CDCR in network NT12
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.0 E=0.005 U=0.007
std: N=0.002 E=0.002 U=0.006 2D=0.002 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 068 of Year 2026

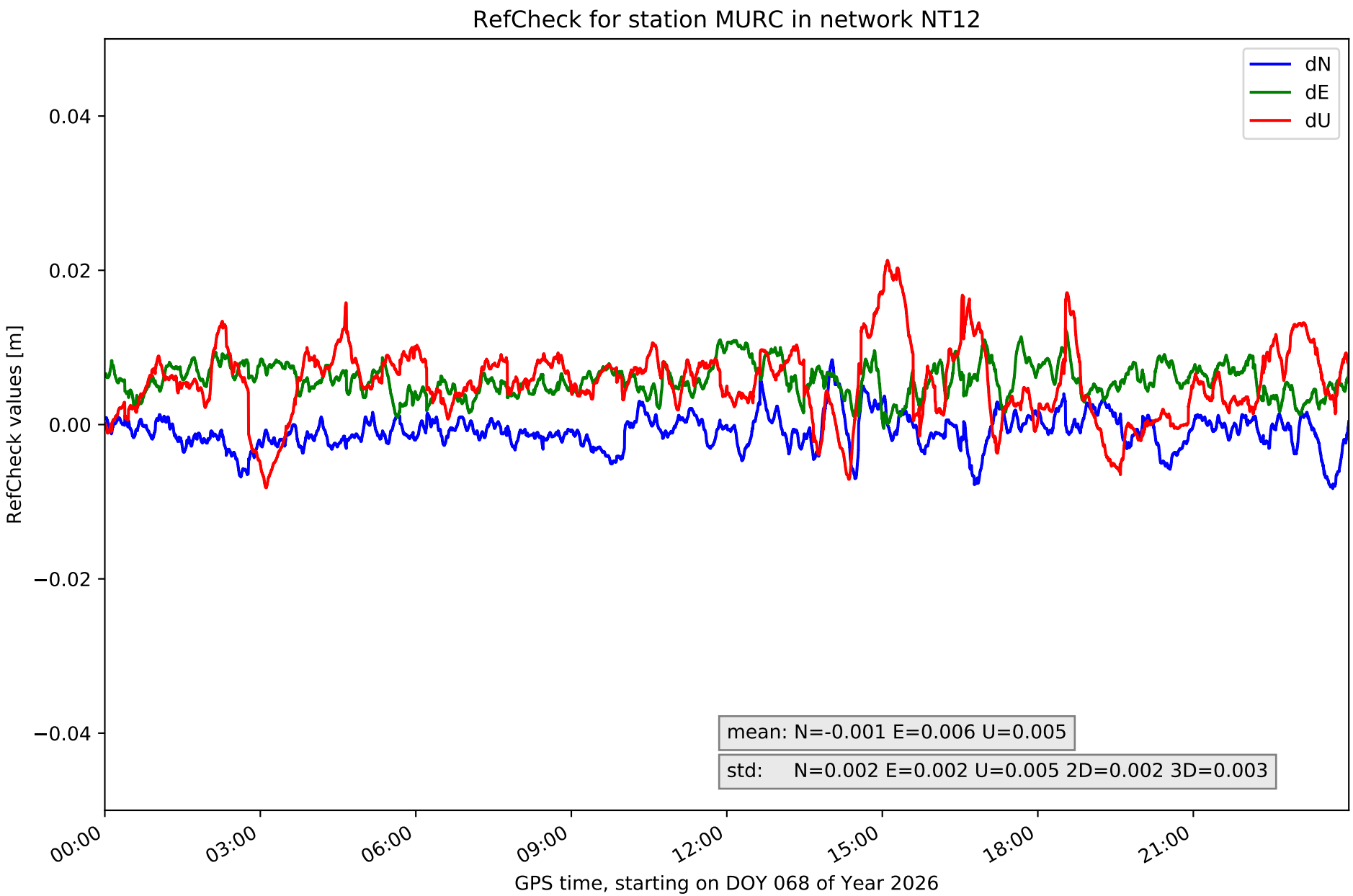

RefCheck for station CIEZ in network NT12
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.002 E=0.008 U=0.002
std: N=0.002 E=0.002 U=0.005 2D=0.002 3D=0.002
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 068 of Year 2026

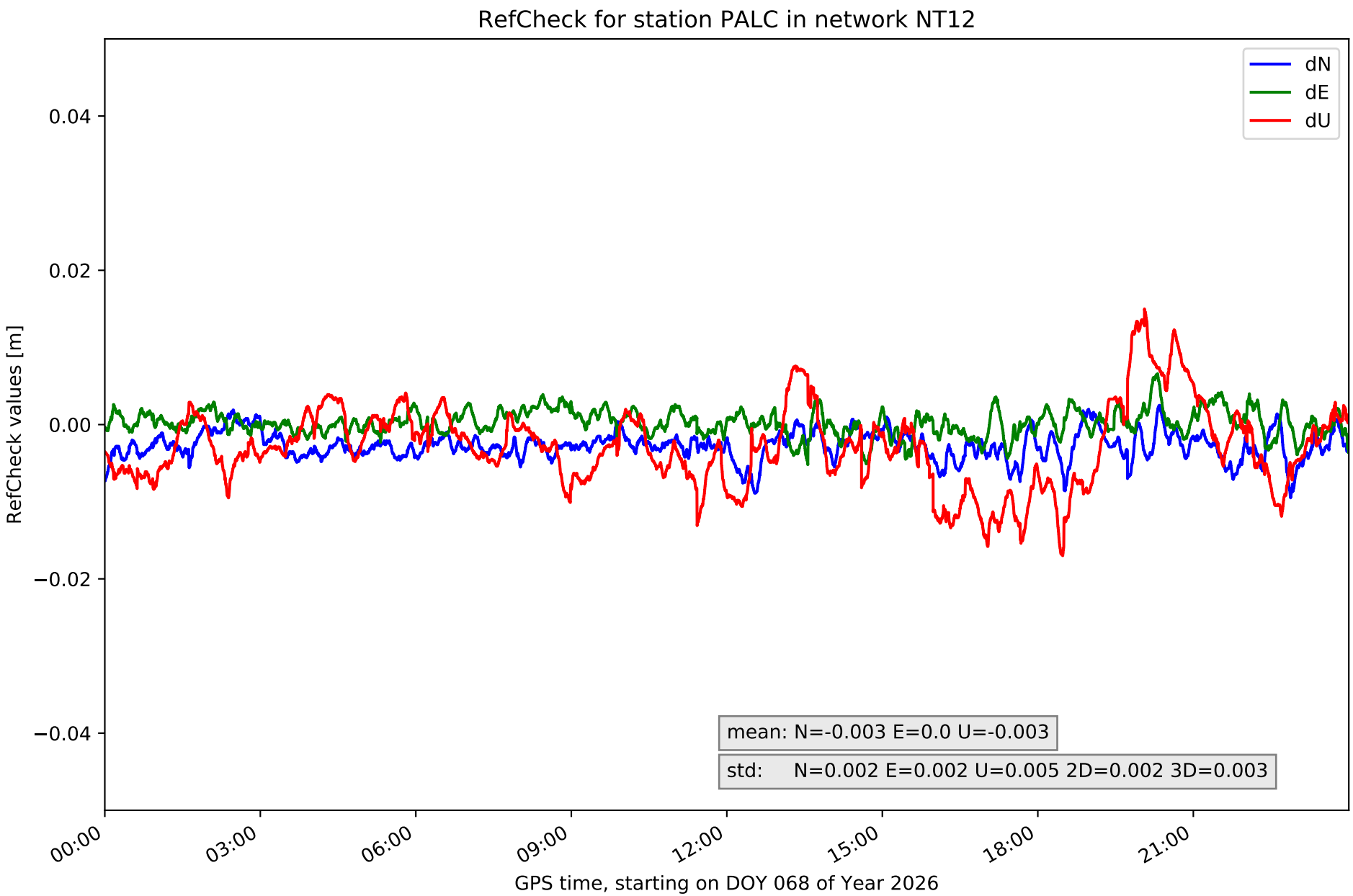

RefCheck for station GRA1 in network NT12
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.003 E=-0.006 U=0.002
std: N=0.003 E=0.002 U=0.007 2D=0.002 3D=0.004
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 068 of Year 2026

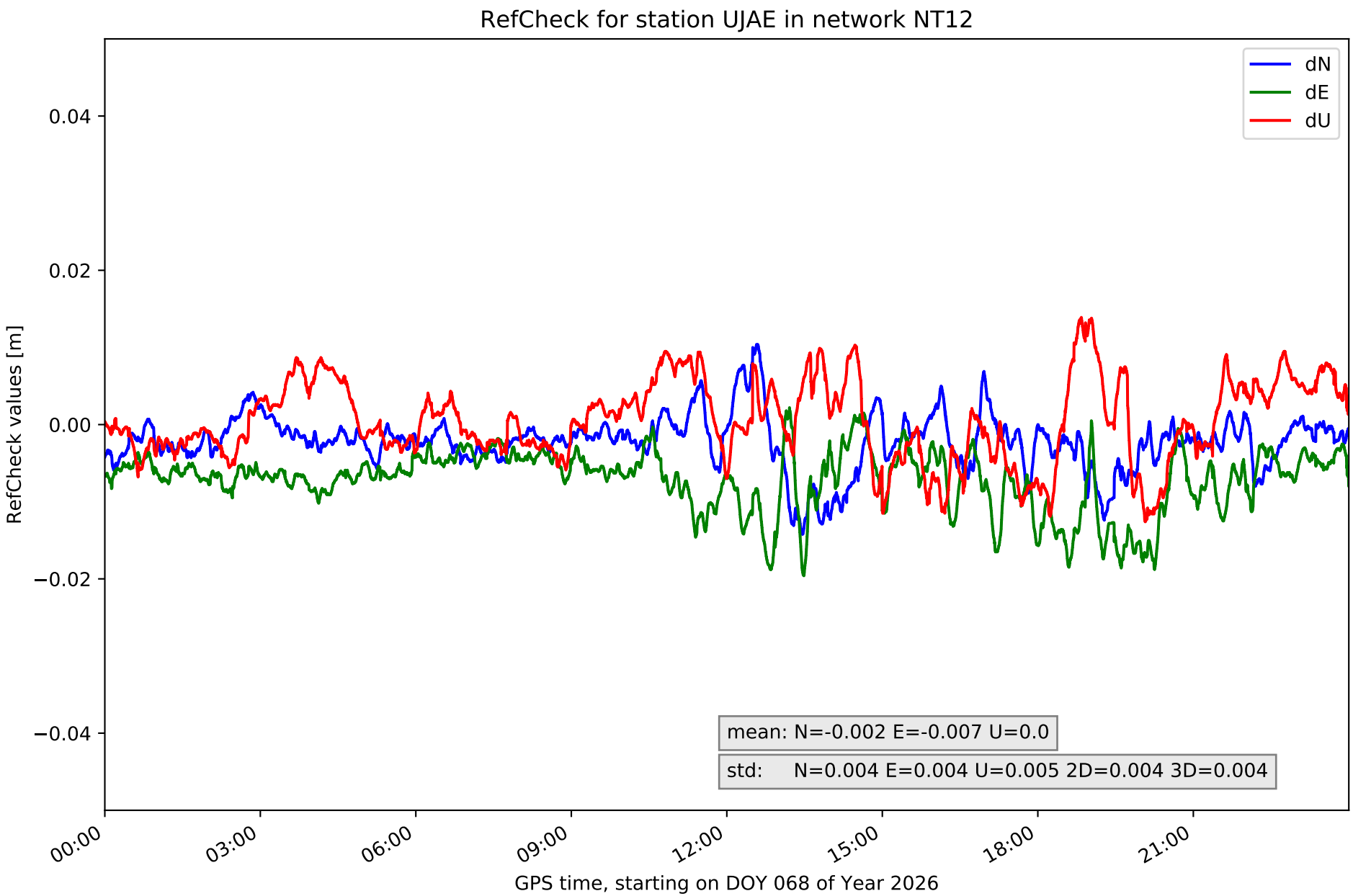

RefCheck for station HUOV in network NT12
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.0 E=0.001 U=-0.002
std: N=0.002 E=0.002 U=0.005 2D=0.002 3D=0.003
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 068 of Year 2026

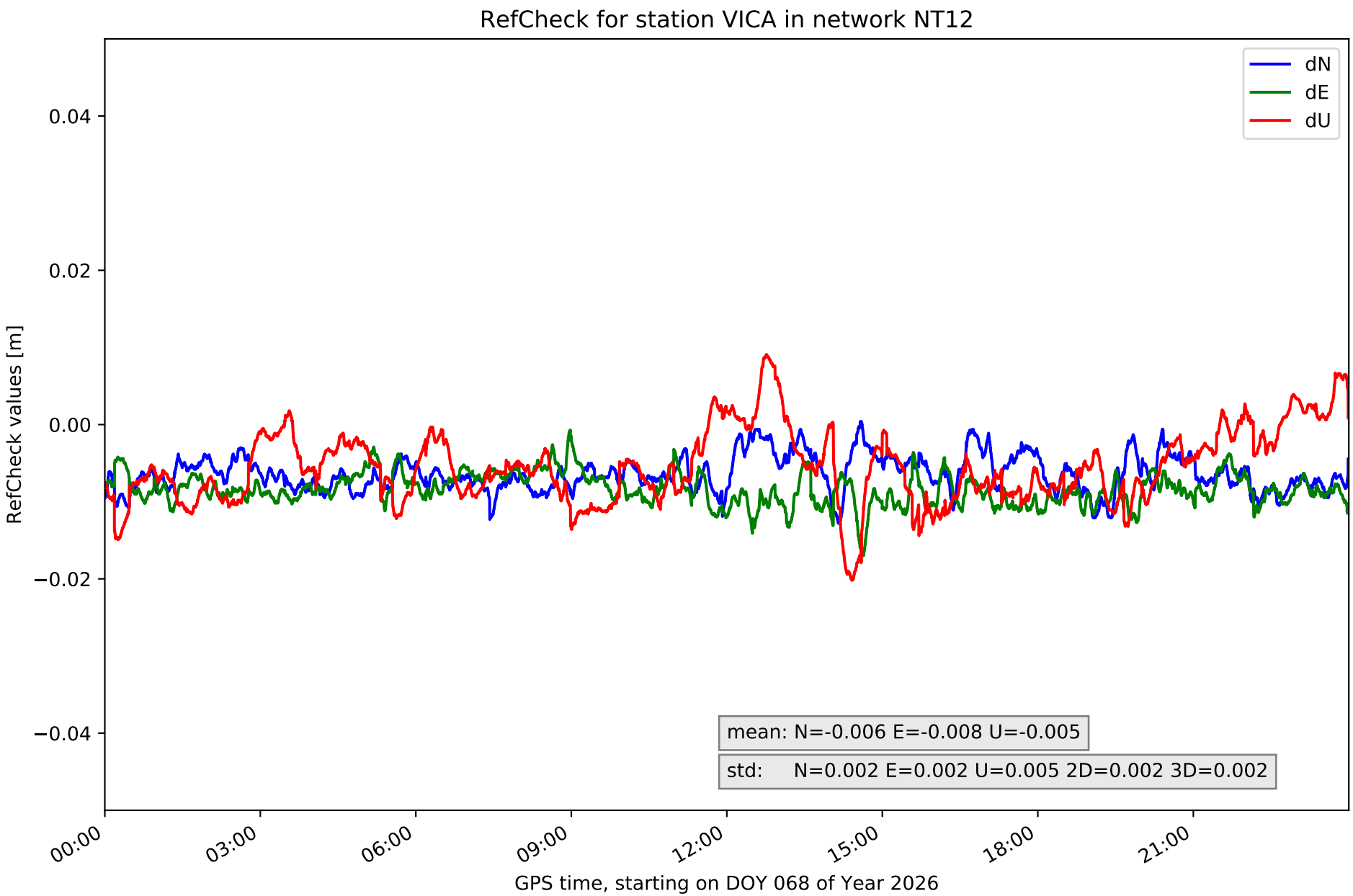

RefCheck for station MAZA in network NT12
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=0.001 E=0.008 U=0.006
std: N=0.002 E=0.002 U=0.004 2D=0.002 3D=0.003
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 068 of Year 2026


RefCheck for station MUL1 in network NT12
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.006 E=0.005 U=0.012
std: N=0.002 E=0.002 U=0.005 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 068 of Year 2026


RefCheck for station MURC in network NT12
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.001 E=0.006 U=0.005
std: N=0.002 E=0.002 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 068 of Year 2026


RefCheck for station PALC in network NT12
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=0.002 E=0.002 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 068 of Year 2026


RefCheck for station UJAE in network NT12
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.002 E=-0.007 U=0.0
std: N=0.004 E=0.004 U=0.005 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 068 of Year 2026


RefCheck for station VICA in network NT12
dN
dE
dU
0.04
0.02
0.00
−0.02
−0.04
RefCheck values [m]
mean: N=-0.006 E=-0.008 U=-0.005
std: N=0.002 E=0.002 U=0.005 2D=0.002 3D=0.002
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
GPS time, starting on DOY 068 of Year 2026

RefCheck values for network NT12

Station	Nmin	Nmax	Nstd	Emin	Emax	Estd	Umin	Umax	Ustd	std2D	std3D	#2D > 0.01	% 2D > 0.01	#3D > 0.02	% 3D > 0.02
ALME	-0.009	0.016	0.003	-0.019	-0.003	0.003	-0.021	0.014	0.007	0.003	0.004	43584	58.1	2245	3.0
CAAL	-0.004	**0.018**	0.003	-0.009	0.009	0.003	**-0.06**	0.025	**0.01**	0.003	**0.007**	5855	7.8	4705	6.3
CABP	-0.007	0.009	0.003	-0.001	0.011	0.002	-0.006	0.018	0.004	0.002	0.003	3212	4.3	0	0.0
CARG	0.003	**0.018**	0.002	-0.012	-0.001	0.002	-0.016	0.006	0.004	0.002	0.002	**67305**	**89.7**	891	1.2
CARV	-0.008	0.005	0.002	-0.012	0.004	0.002	-0.033	-0.003	0.005	0.002	0.005	207	0.3	**31200**	**41.6**
CDCR	-0.008	0.008	0.002	-0.002	0.011	0.002	-0.009	0.023	0.006	0.002	0.004	819	1.1	2073	2.8
CIEZ	-0.003	0.013	0.002	-0.001	0.014	0.002	-0.011	0.015	0.005	0.002	0.002	14210	18.9	0	0.0
GRA1	-0.012	0.008	0.003	-0.015	0.002	0.002	-0.012	**0.03**	0.007	0.002	0.004	9545	12.7	2603	3.5
HUOV	-0.005	0.005	0.002	-0.005	0.009	0.002	-0.019	0.011	0.005	0.002	0.003	0	0.0	0	0.0
MAZA	-0.006	0.008	0.002	-0.001	**0.017**	0.002	-0.008	0.019	0.004	0.002	0.003	14443	19.2	879	1.2
MUL1	-0.013	0.001	0.002	-0.001	0.012	0.002	-0.003	0.029	0.005	0.002	0.005	10314	13.7	11008	14.7
MURC	-0.008	0.008	0.002	-0.001	0.013	0.002	-0.008	0.021	0.005	0.002	0.003	4062	5.4	600	0.8
PALC	-0.009	0.003	0.002	-0.005	0.007	0.002	-0.017	0.015	0.005	0.002	0.003	0	0.0	0	0.0
UJAE	**-0.014**	0.01	**0.004**	**-0.02**	0.002	**0.004**	-0.013	0.014	0.005	**0.004**	0.004	19432	25.9	1523	2.0
VICA	-0.013	0.0	0.002	-0.017	-0.001	0.002	-0.02	0.009	0.005	0.002	0.002	49349	65.8	1319	1.8
Mean	**-0.008**	**0.009**	**0.002**	**-0.008**	**0.007**	**0.002**	**-0.017**	**0.016**	**0.005**	**0.002**	**0.004**	**16155.8**	**21.5**	**3936.4**	**5.3**
Min/Max	**-0.014**	**0.018**	**0.004**	**-0.02**	**0.017**	**0.004**	**-0.06**	**0.03**	**0.01**	**0.004**	**0.007**	**67305**	**89.7**	**31200**	**41.6**

fixing statistic for network NT12

fixing percentage of	all GNSS	G	R	E	C
using threshold 0.3	93.4	94.4	90.5	94.4	93.3
considering satellites with dual-frequency fixed	92.9	93.8	90.1	94.1	92.4
considering all signals separately	92.9	93.6	90.1	94.3	91.8