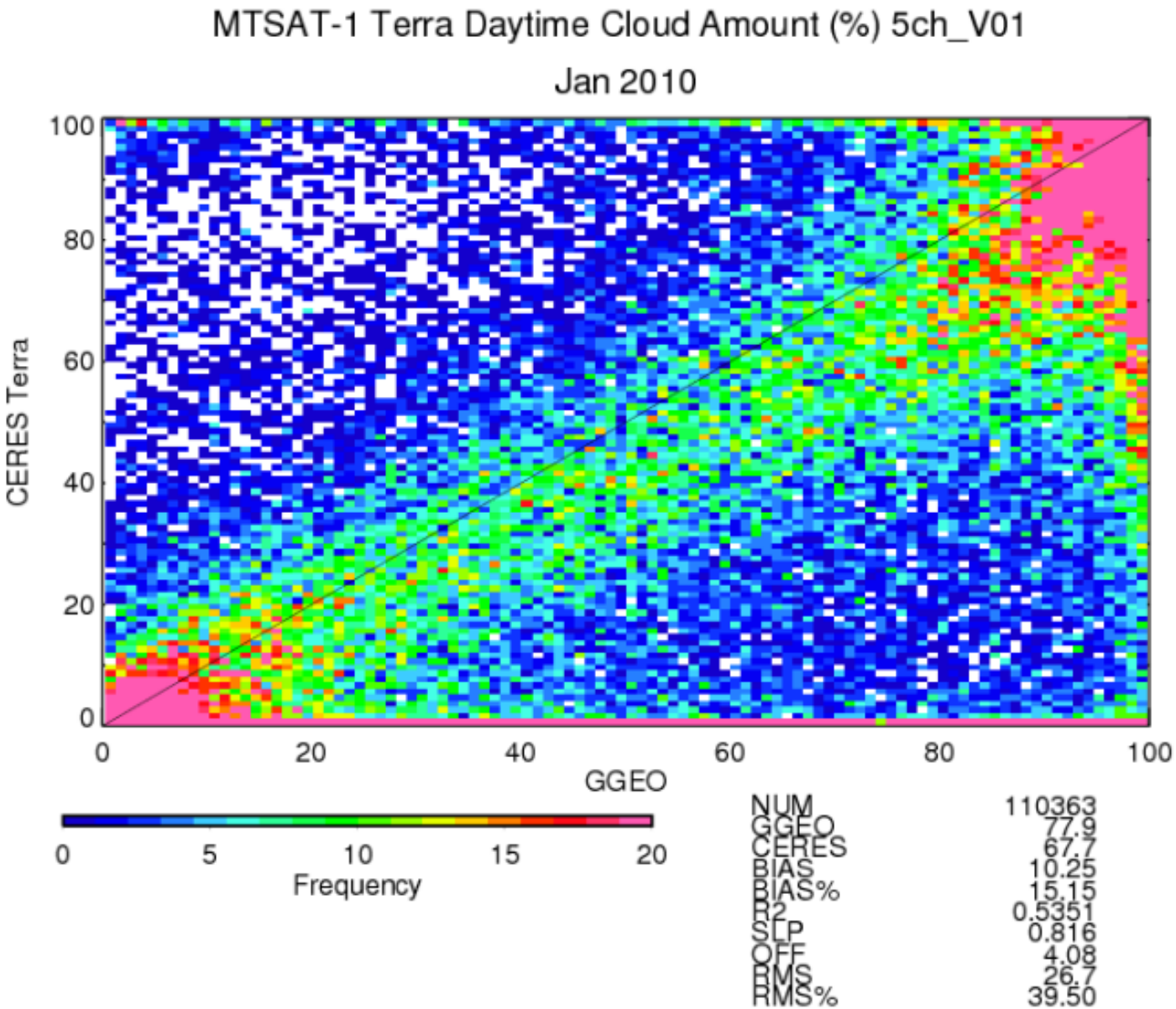
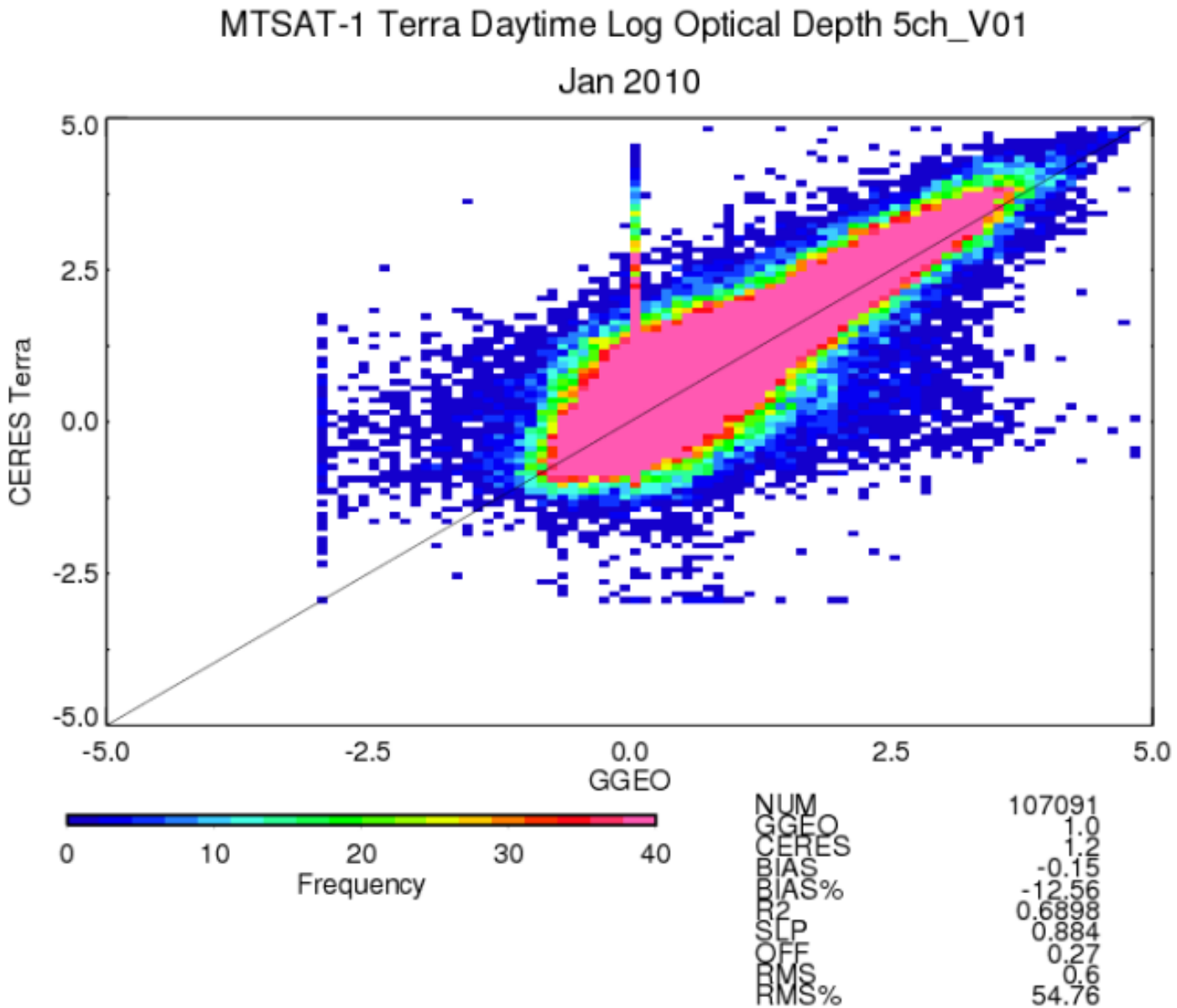
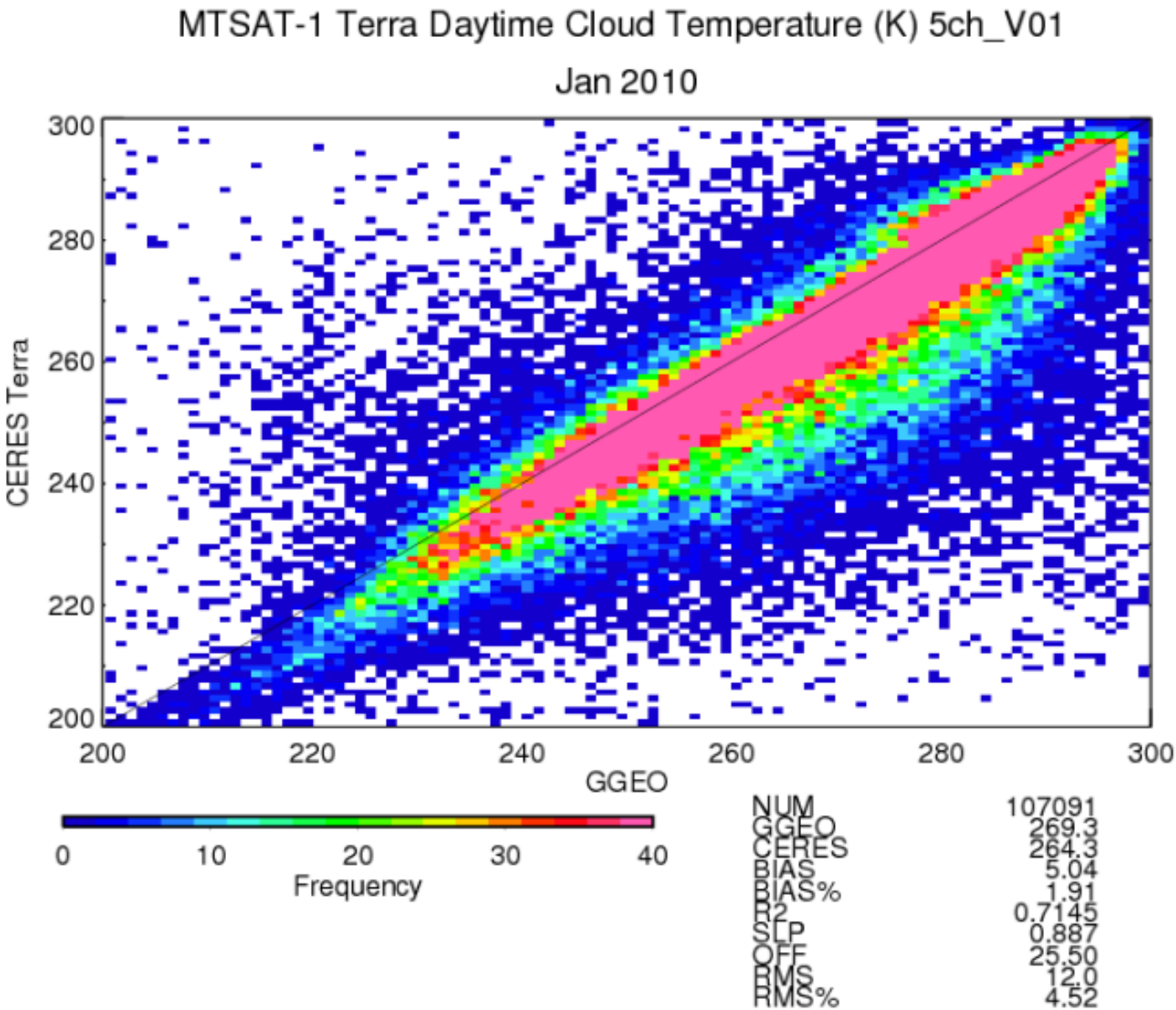
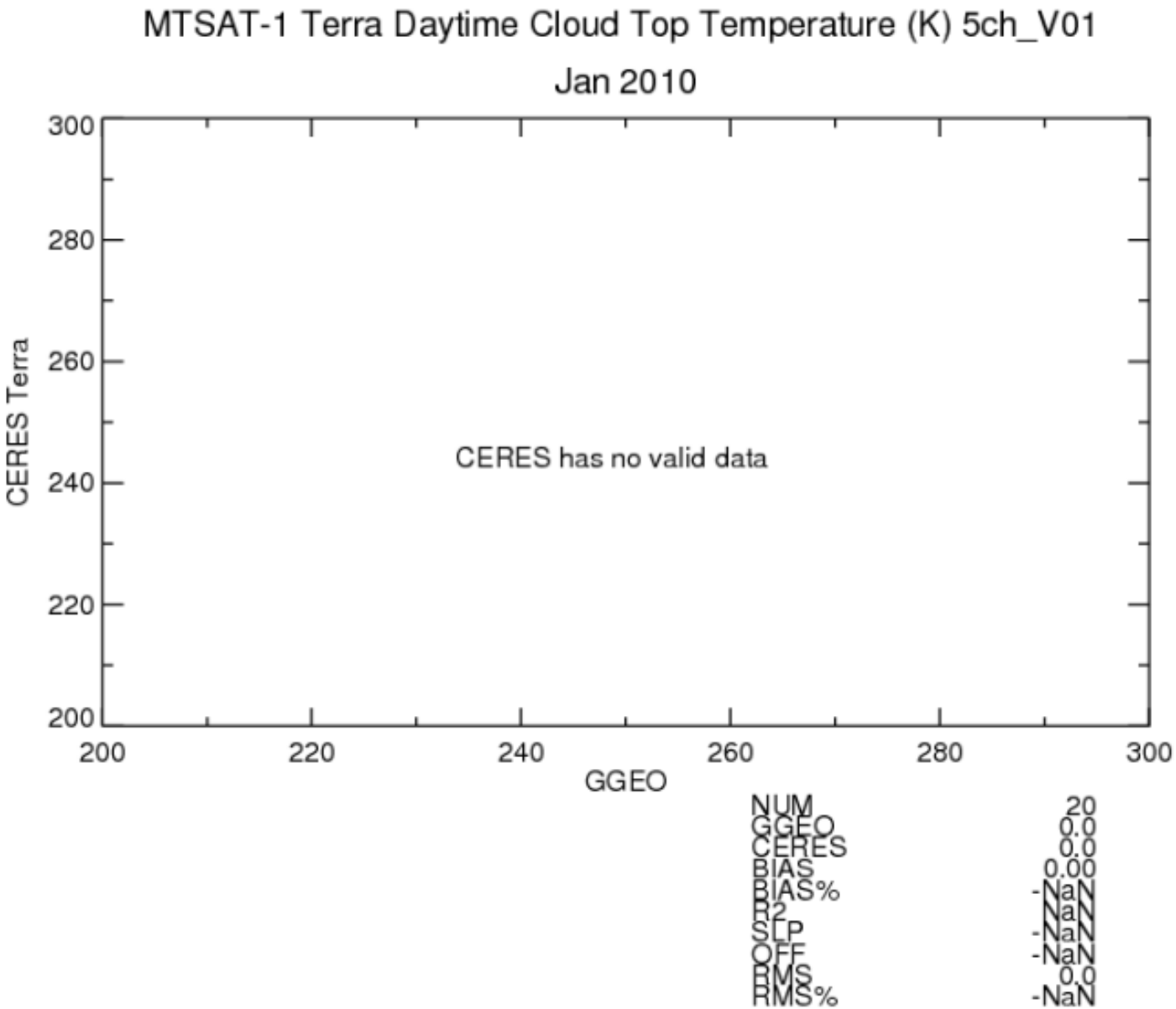
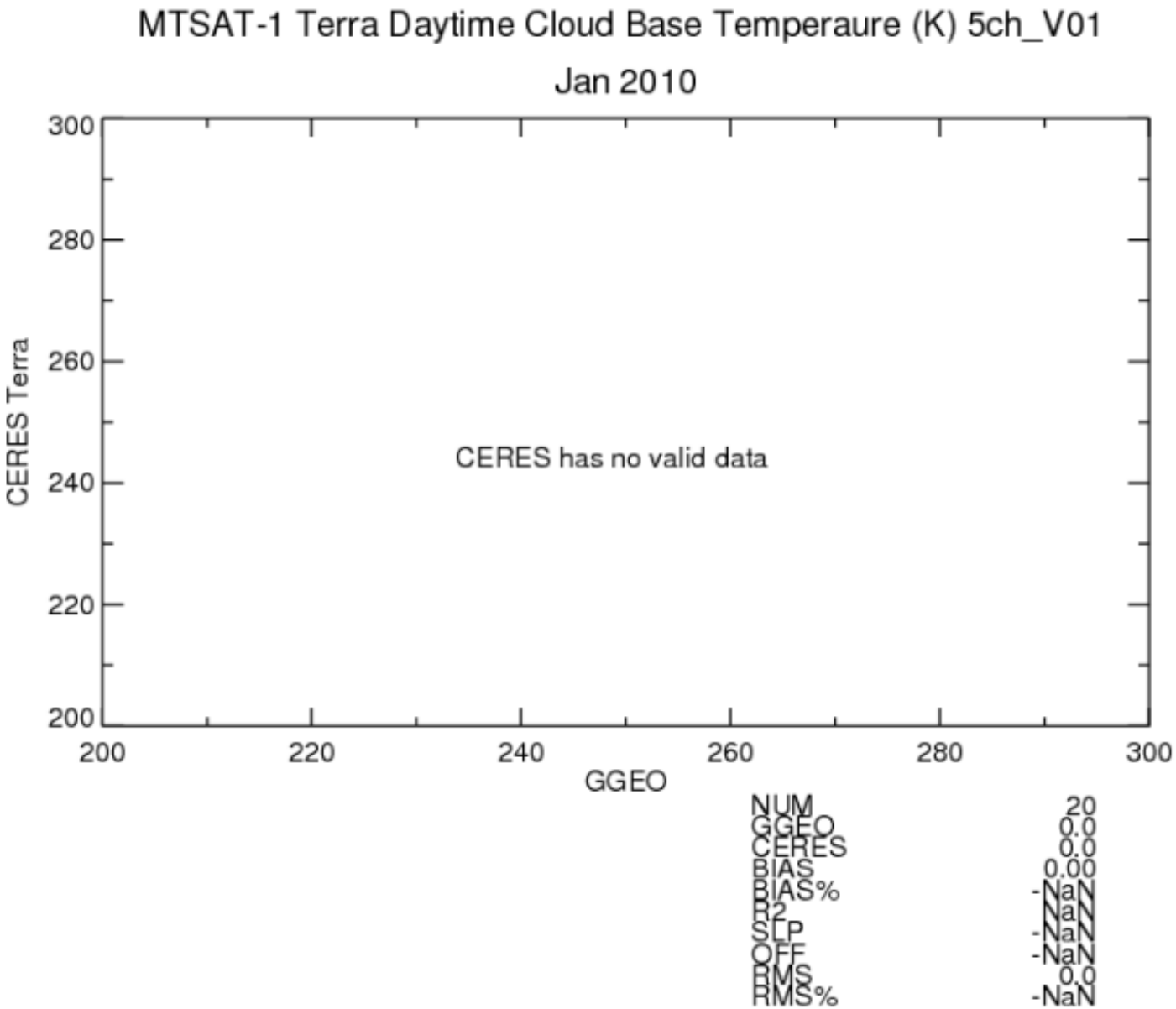
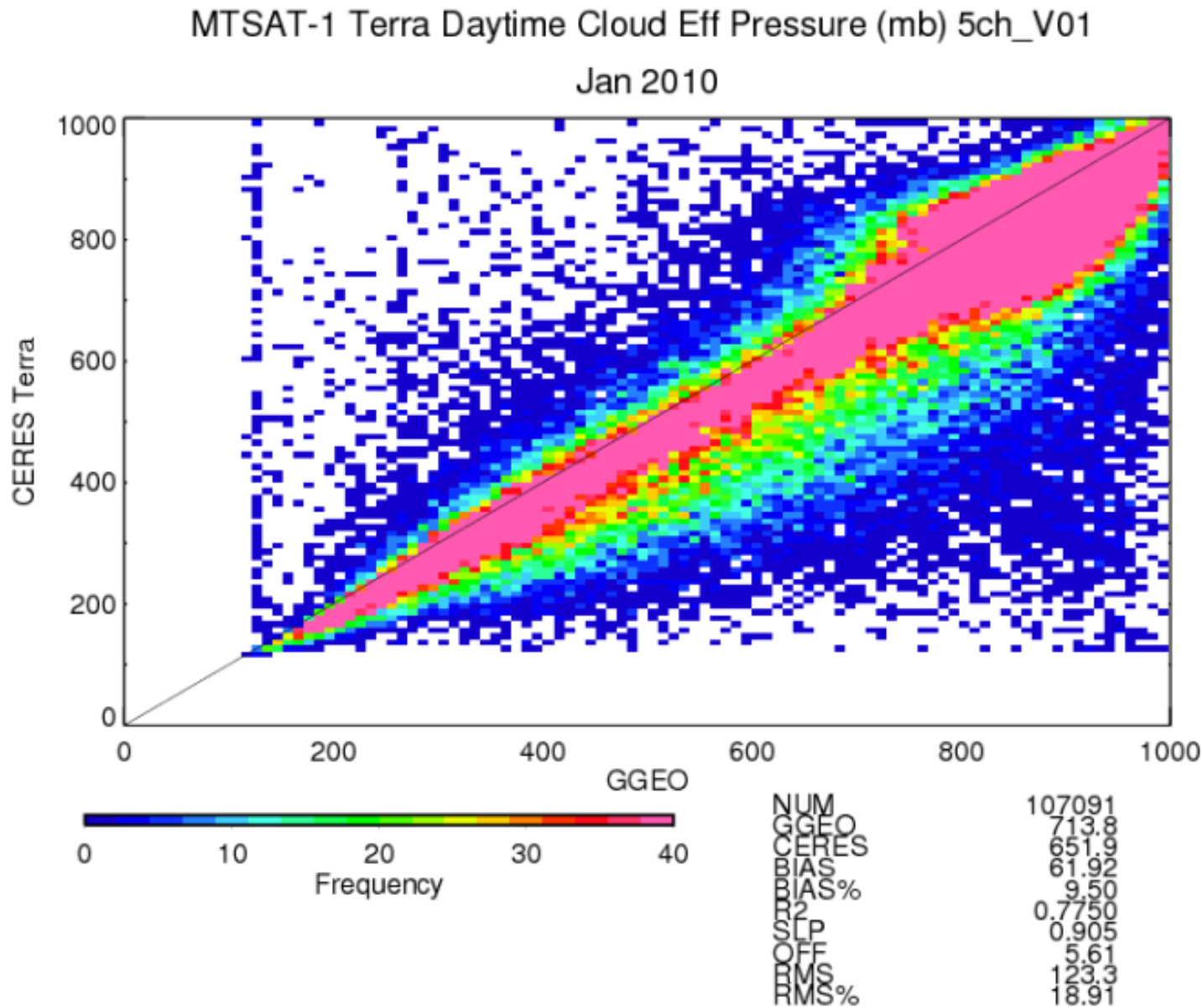

MTSAT-1 Terra Daytime Cloud Amount (%) 5ch_V01
Jan 2010
CERES Terra
GGEO
Frequency
0
5
10
15
20
0
20
40
60
80
100
NUM 110363
GGEO 77.9
CERES 67.7
BIAS 10.25
BIAS% 15.15
R2 0.5351
SLP 0.816
OFF 4.08
RMS 26.7
RMS% 39.50

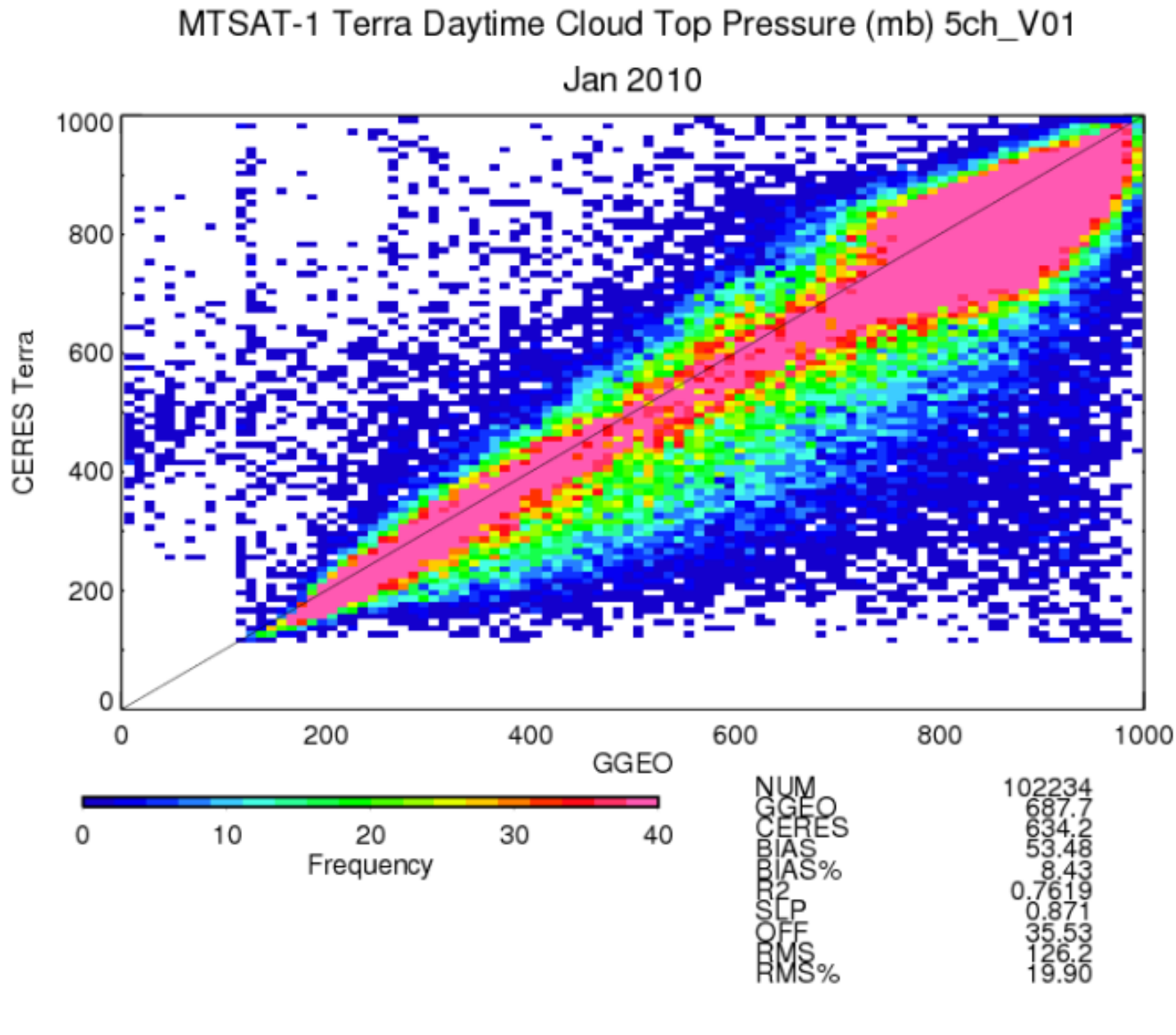

MTSAT-1 Terra Daytime Log Optical Depth 5ch_V01
Jan 2010
CERES Terra
5.0
2.5
0.0
-2.5
-5.0
-5.0
-2.5
0.0
2.5
5.0
GGEO
0
10
20
30
40
Frequency
NUM 107091
GGEO 1.0
CERES 1.2
BIAS -0.15
BIAS% -12.56
R2 0.6898
SLP 0.884
OFF 0.27
RMS 0.6
RMS% 54.76

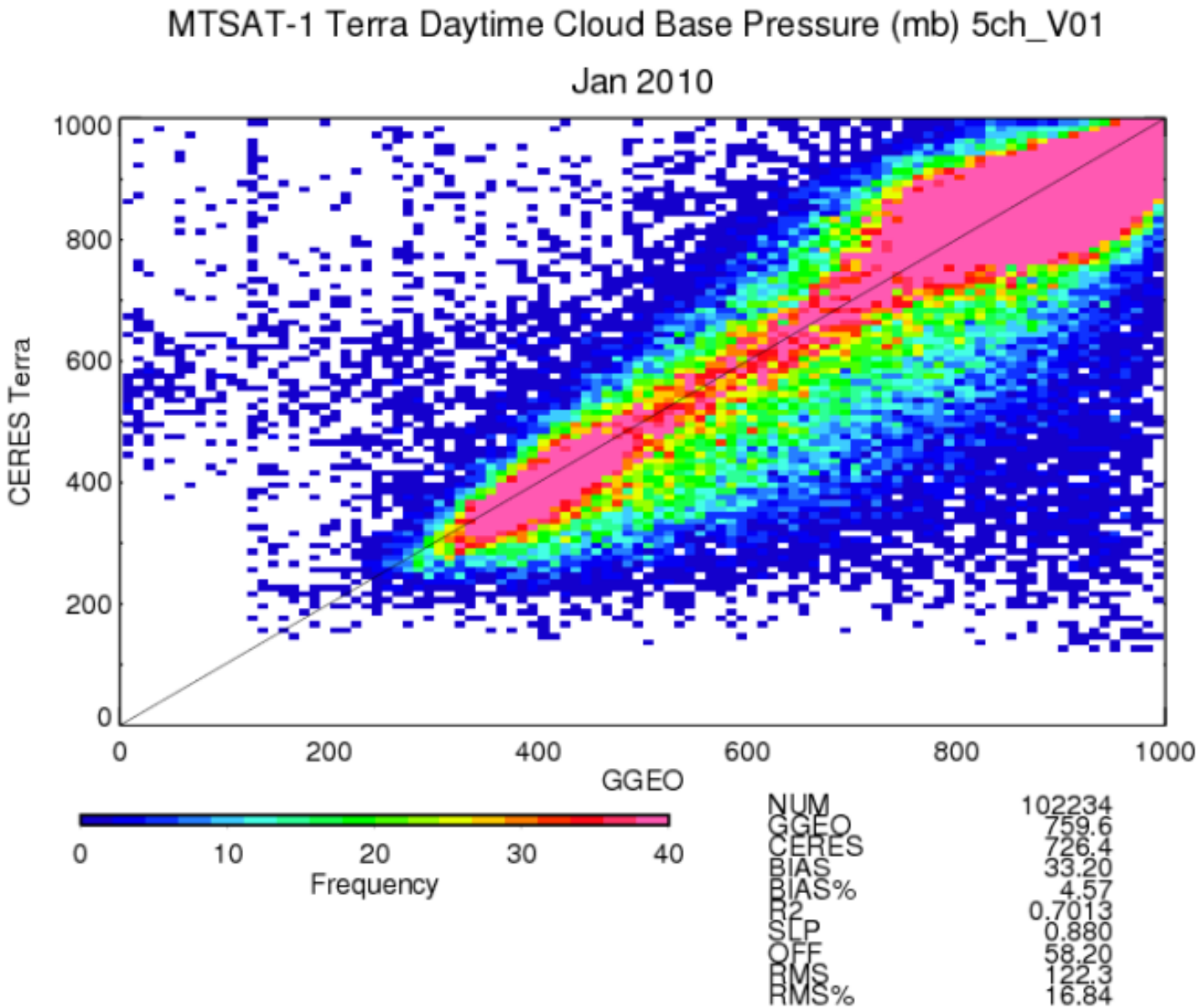

MTSAT-1 Terra Daytime Cloud Temperature (K) 5ch_V01
Jan 2010
CERES Terra
GGEO
300
280
260
240
220
200
200
220
240
260
280
300
0
10
20
30
40
Frequency
NUM 107091
GGEO 269.3
CERES 264.3
BIAS 5.04
BIAS% 1.91
R2 0.7145
SLP 0.887
OFF 25.50
RMS 12.0
RMS% 4.52

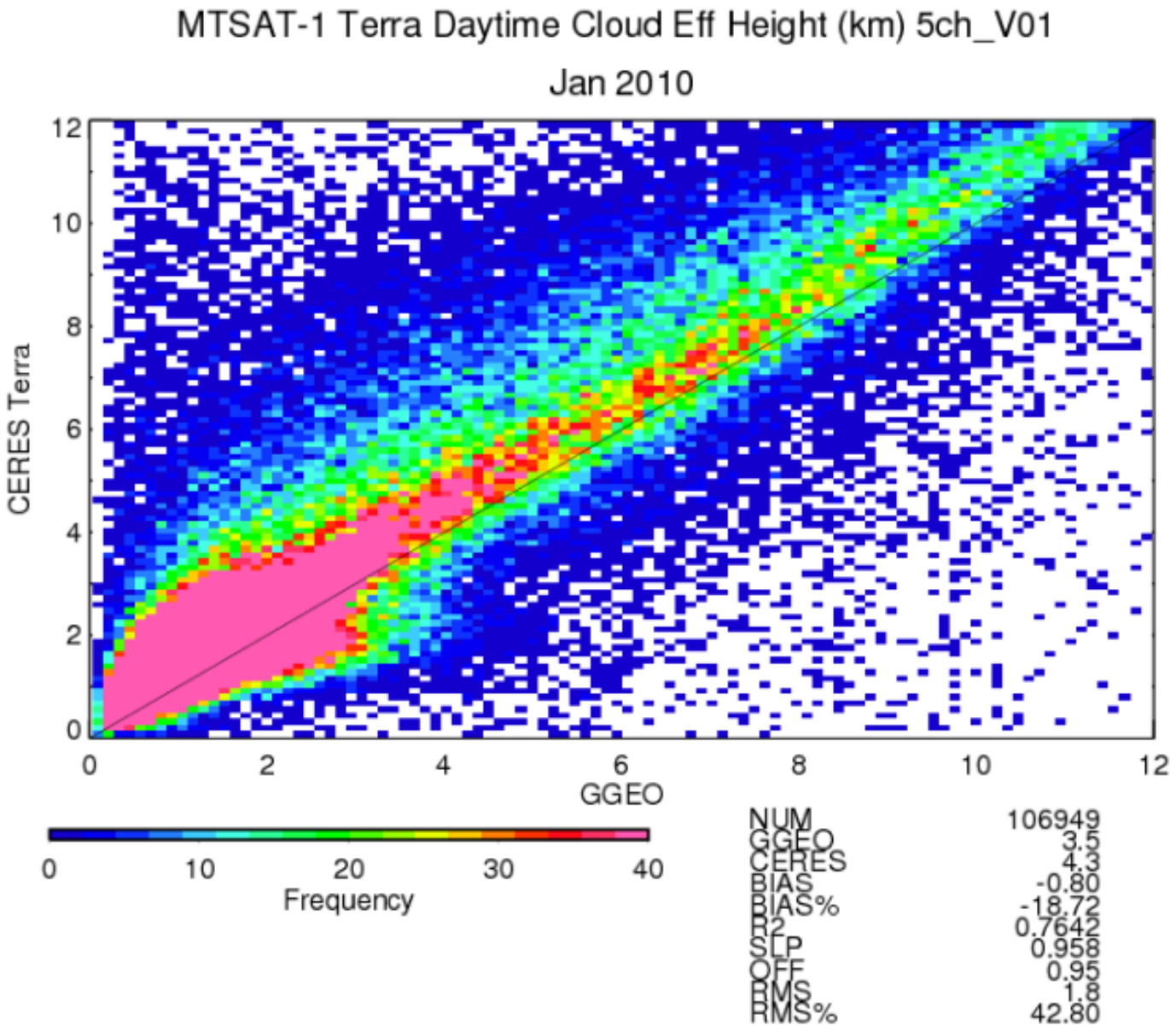

MTSAT-1 Terra Daytime Cloud Top Temperature (K) 5ch_V01
Jan 2010
CERES Terra
GGEO
CERES has no valid data
300
280
260
240
220
200
200
220
240
260
280
300
NUM 20
GGEO 0.0
CERES 0.0
BIAS 0.00
BIAS% -NaN
R2 NaN
SLP -NaN
OFF -NaN
RMS 0.0
RMS% -NaN

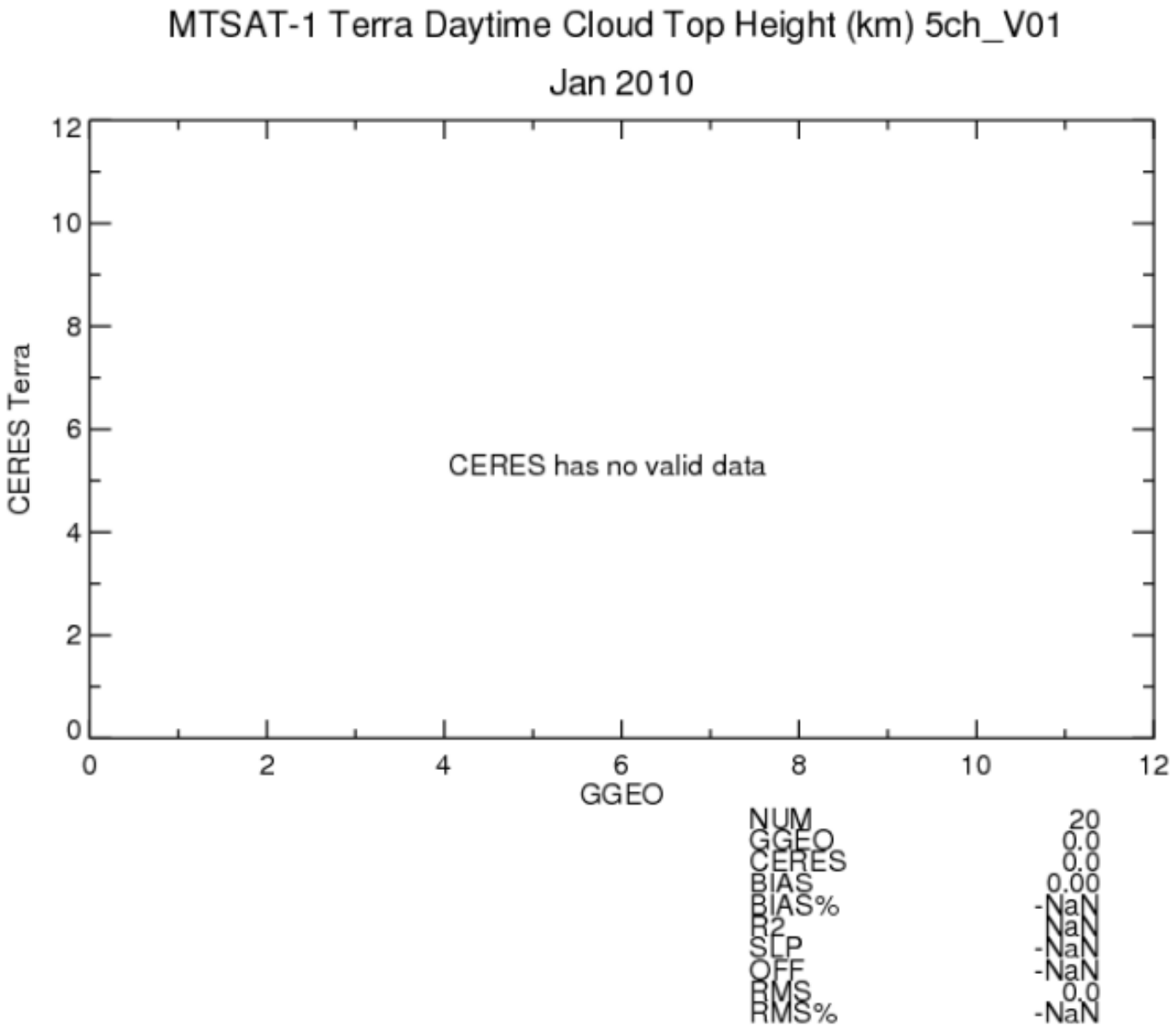

MTSAT-1 Terra Daytime Cloud Base Temperaure (K) 5ch_V01
Jan 2010
CERES Terra
GGEO
CERES has no valid data
300
280
260
240
220
200
200
220
240
260
280
300
NUM 20
GGEO 0.0
CERES 0.0
BIAS 0.00
BIAS% -NaN
R2 NaN
SLP -NaN
OFF -NaN
RMS 0.0
RMS% -NaN

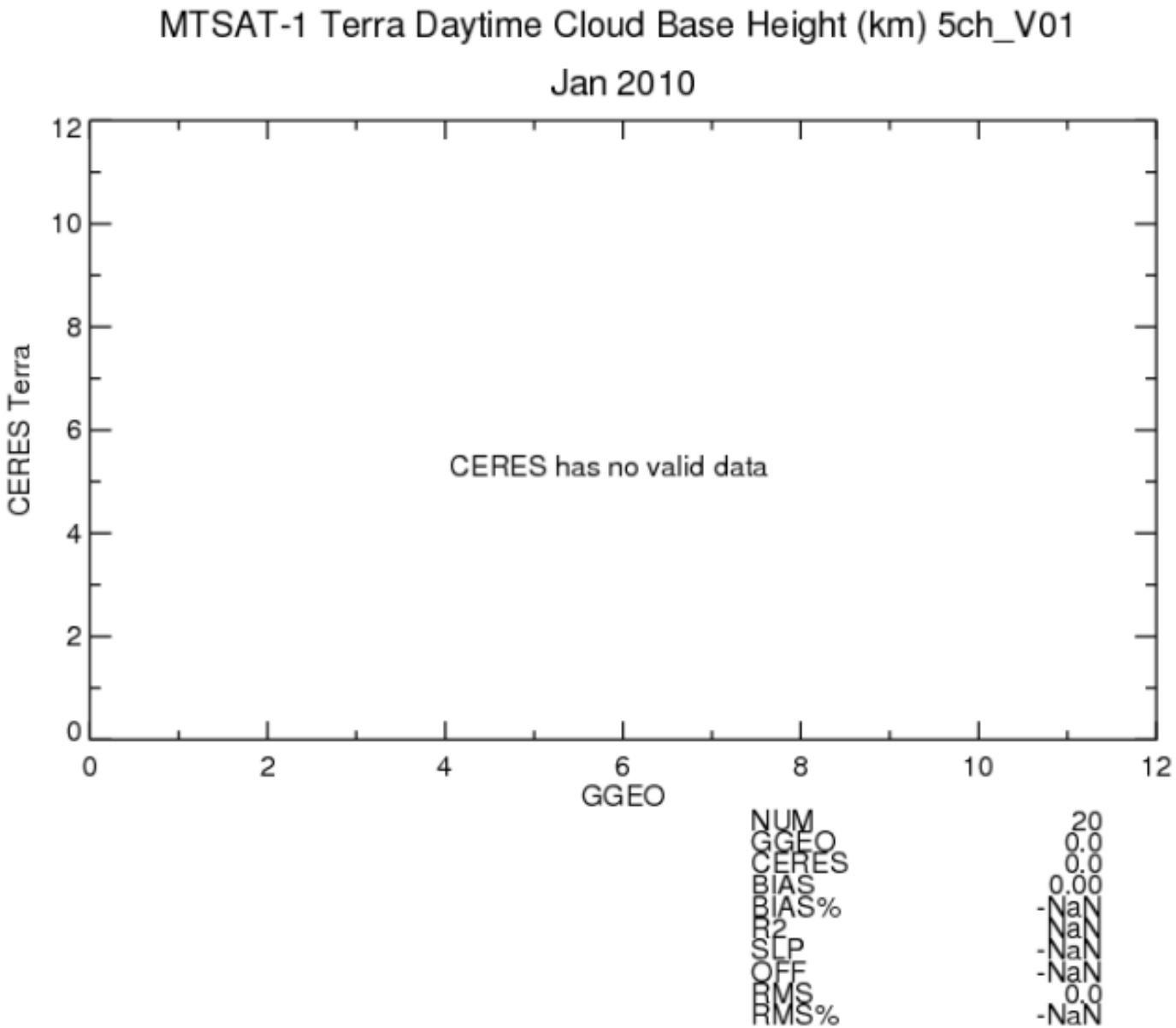

MTSAT-1 Terra Daytime Cloud Eff Pressure (mb) 5ch_V01
Jan 2010
CERES Terra
GGEO
0
200
400
600
800
1000
Frequency
0
10
20
30
40
NUM 107091
GGEO 713.8
CERES 651.9
BIAS 61.92
BIAS% 9.50
R2 0.7750
SLP 0.905
OFF 5.61
RMS 123.3
RMS% 18.91

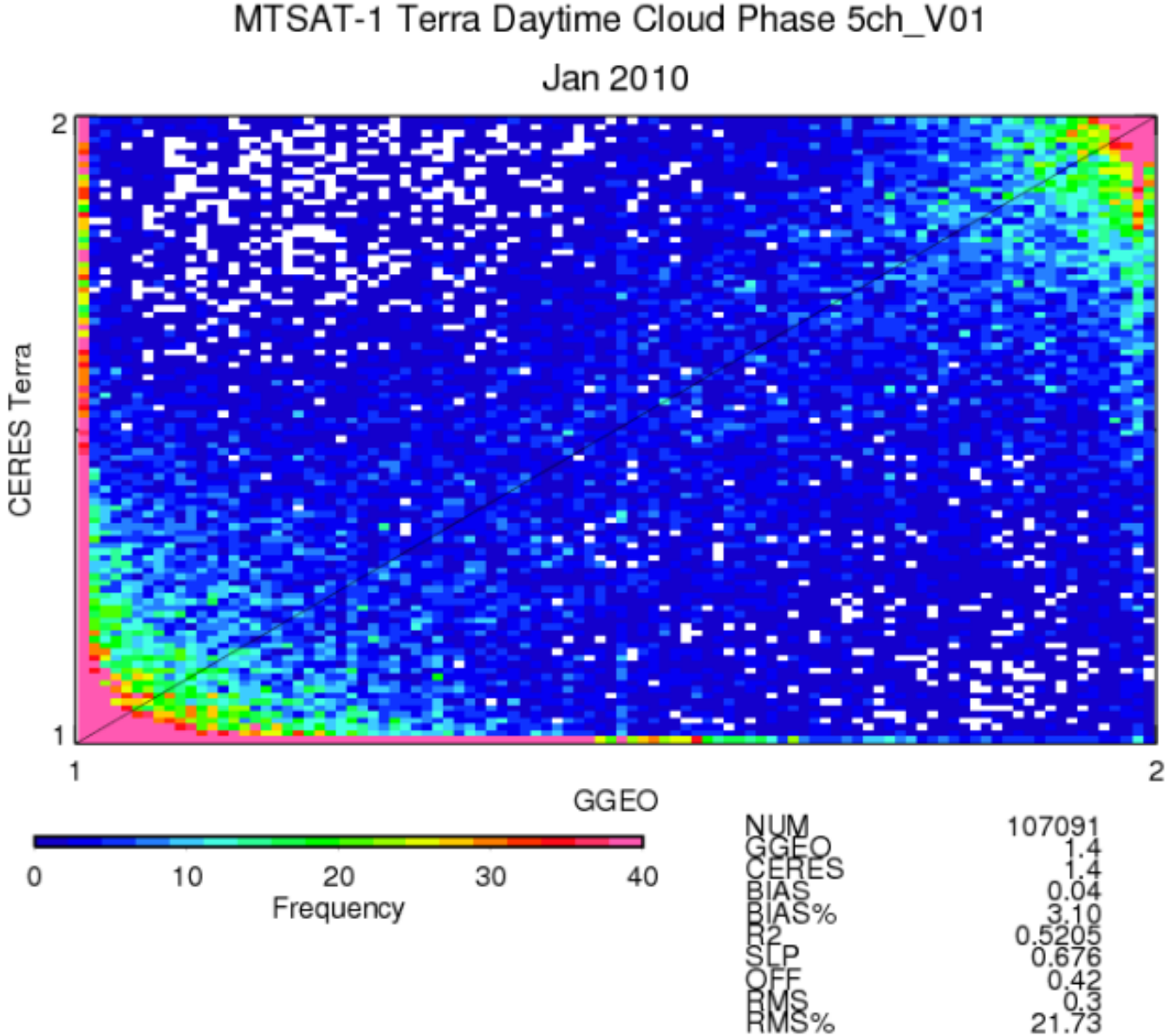

MTSAT-1 Terra Daytime Cloud Top Pressure (mb) 5ch_V01
Jan 2010
CERES Terra
GGEO
Frequency
0
200
400
600
800
1000
0
10
20
30
40
NUM 102234
GGEO 687.7
CERES 634.2
BIAS 53.48
BIAS% 8.43
R2 0.7619
SLP 0.871
OFF 35.53
RMS 126.2
RMS% 19.90

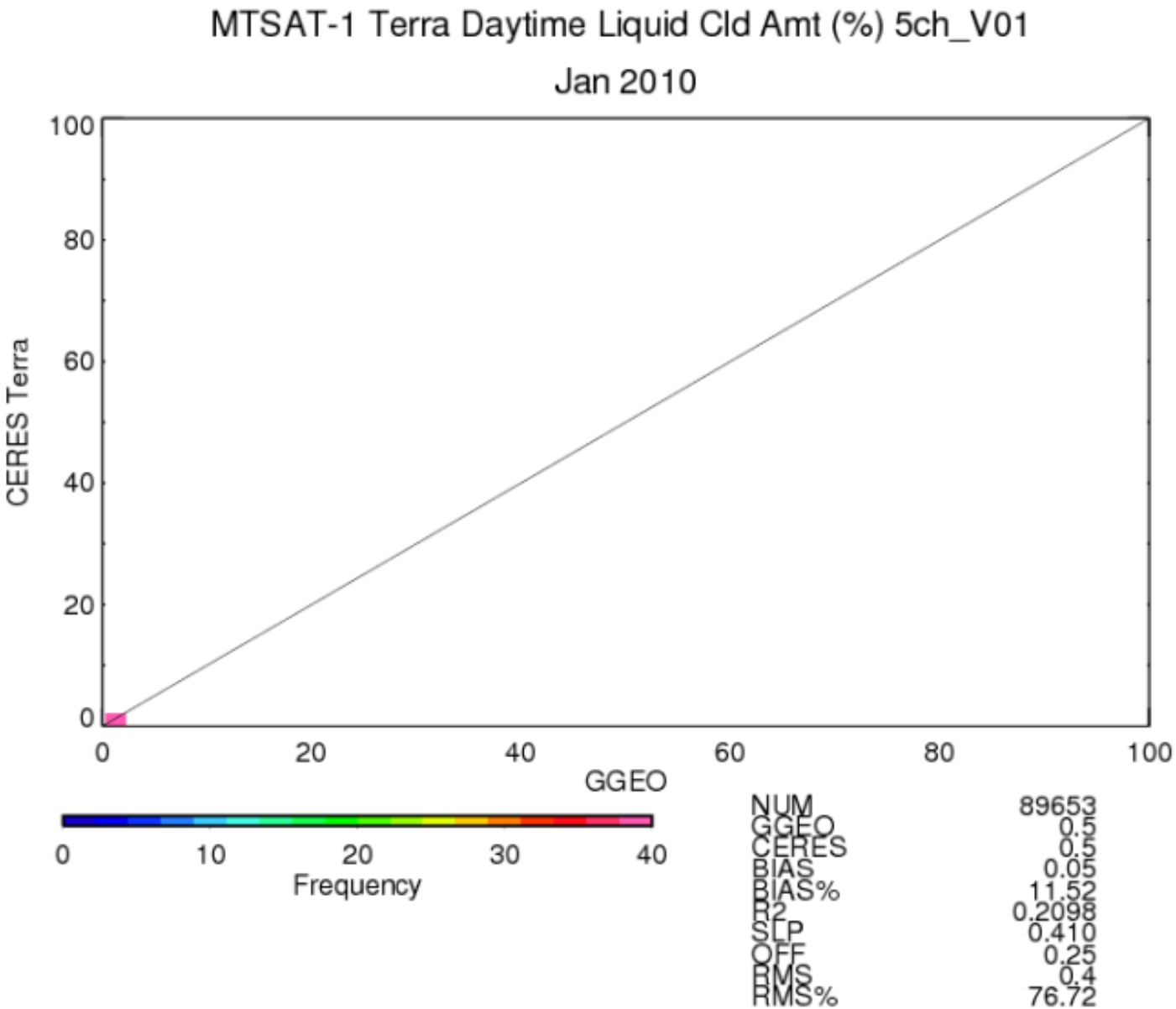

MTSAT-1 Terra Daytime Cloud Base Pressure (mb) 5ch_V01
Jan 2010
CERES Terra
1000
800
600
400
200
0
0
200
400
600
800
1000
GGEO
0
10
20
30
40
Frequency
NUM 102234
GGEO 759.6
CERES 726.4
BIAS 33.20
BIAS% 4.57
R2 0.7013
SLP 0.880
OFF 58.20
RMS 122.3
RMS% 16.84

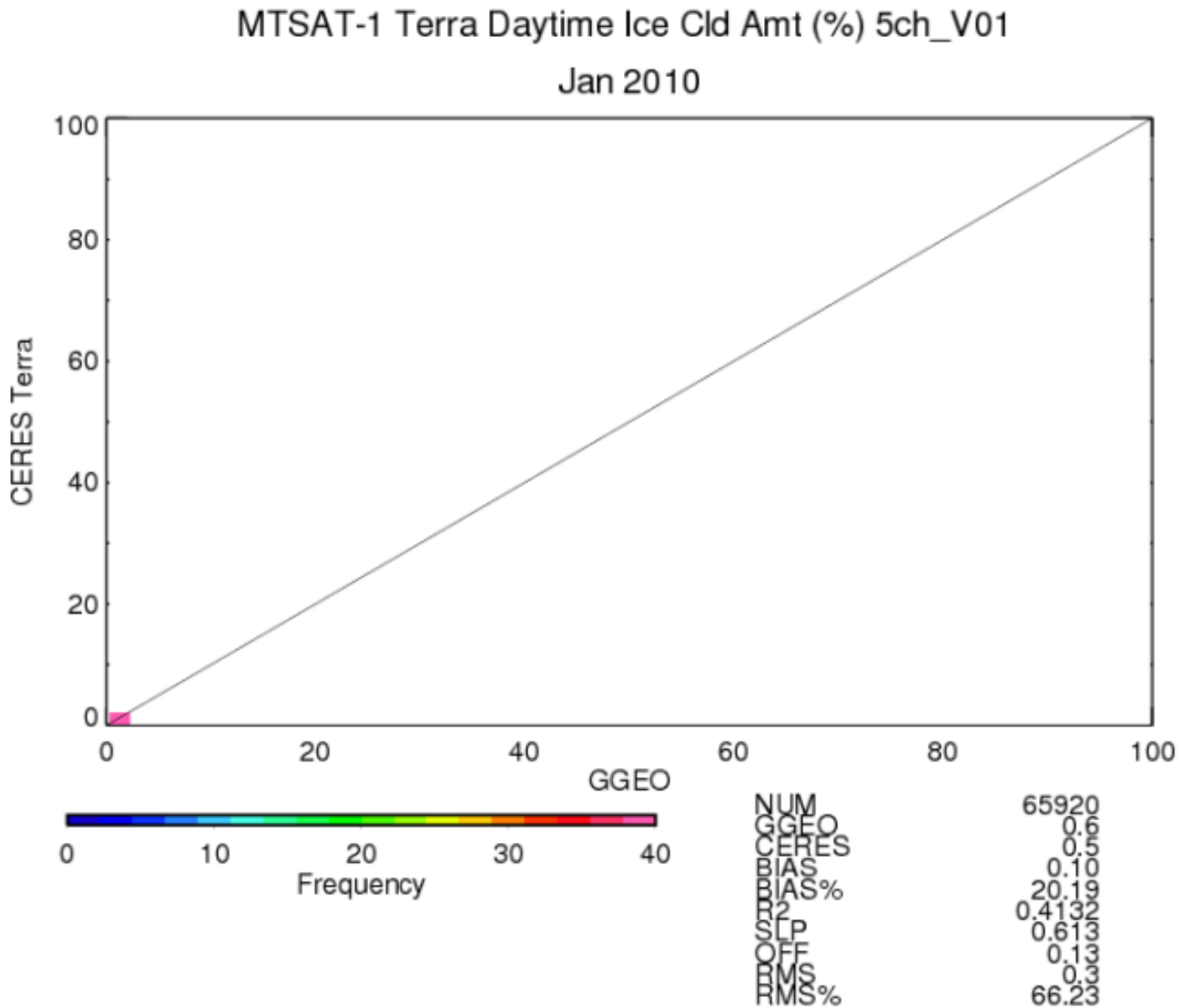

MTSAT-1 Terra Daytime Cloud Eff Height (km) 5ch_V01
Jan 2010
CERES Terra
GGEO
Frequency
0
2
4
6
8
10
12
0
10
20
30
40
NUM 106949
GGEO 3.5
CERES 4.3
BIAS -0.80
BIAS% -18.72
R2 0.7642
SLP 0.958
OFF 0.95
RMS 1.8
RMS% 42.80

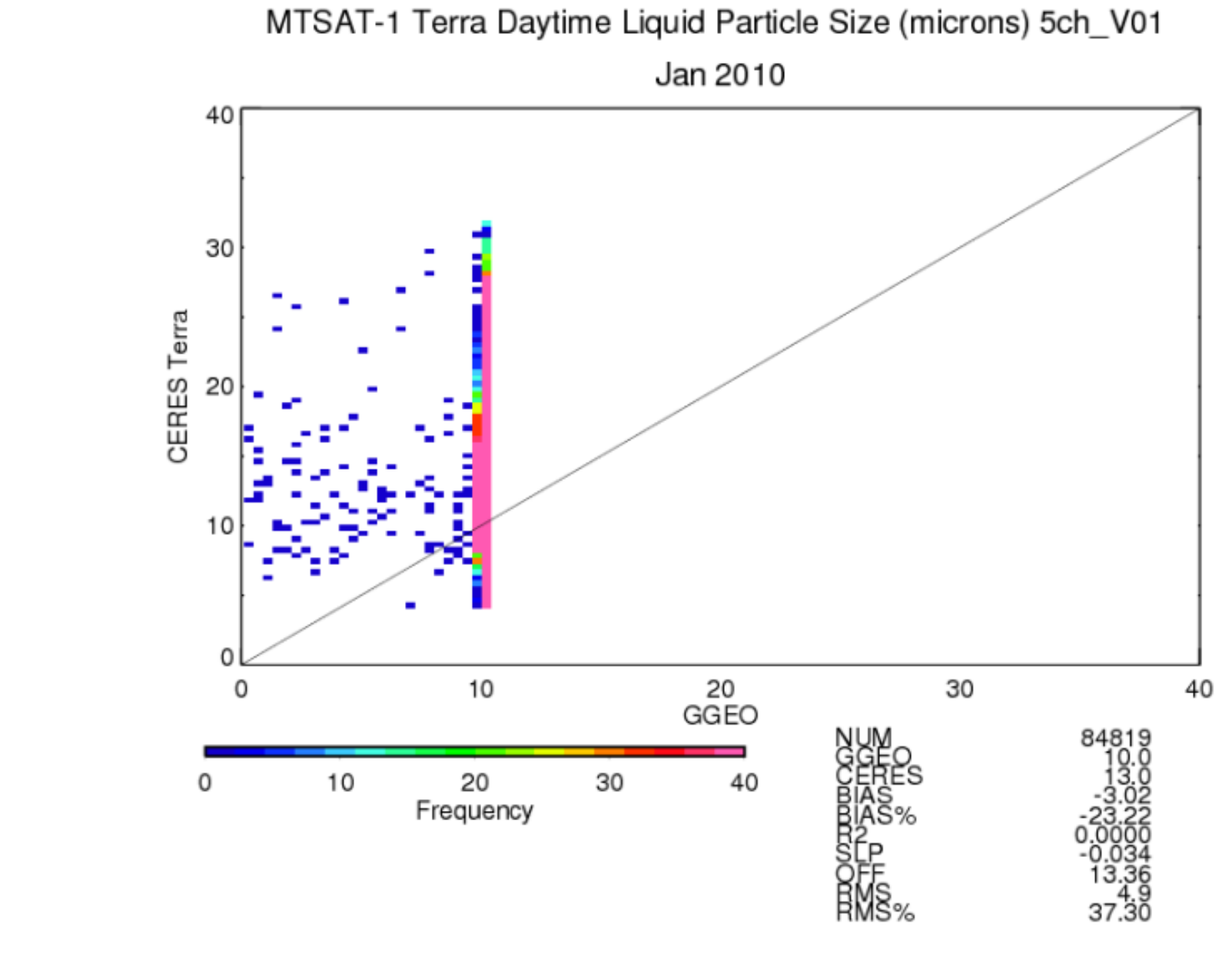

MTSAT-1 Terra Daytime Cloud Top Height (km) 5ch_V01
Jan 2010
CERES Terra
GGEO
CERES has no valid data
0
2
4
6
8
10
12
NUM 20
GGEO 0.0
CERES 0.0
BIAS 0.00
BIAS% -NaN
R2 NaN
SLP -NaN
OFF -NaN
RMS 0.0
RMS% -NaN

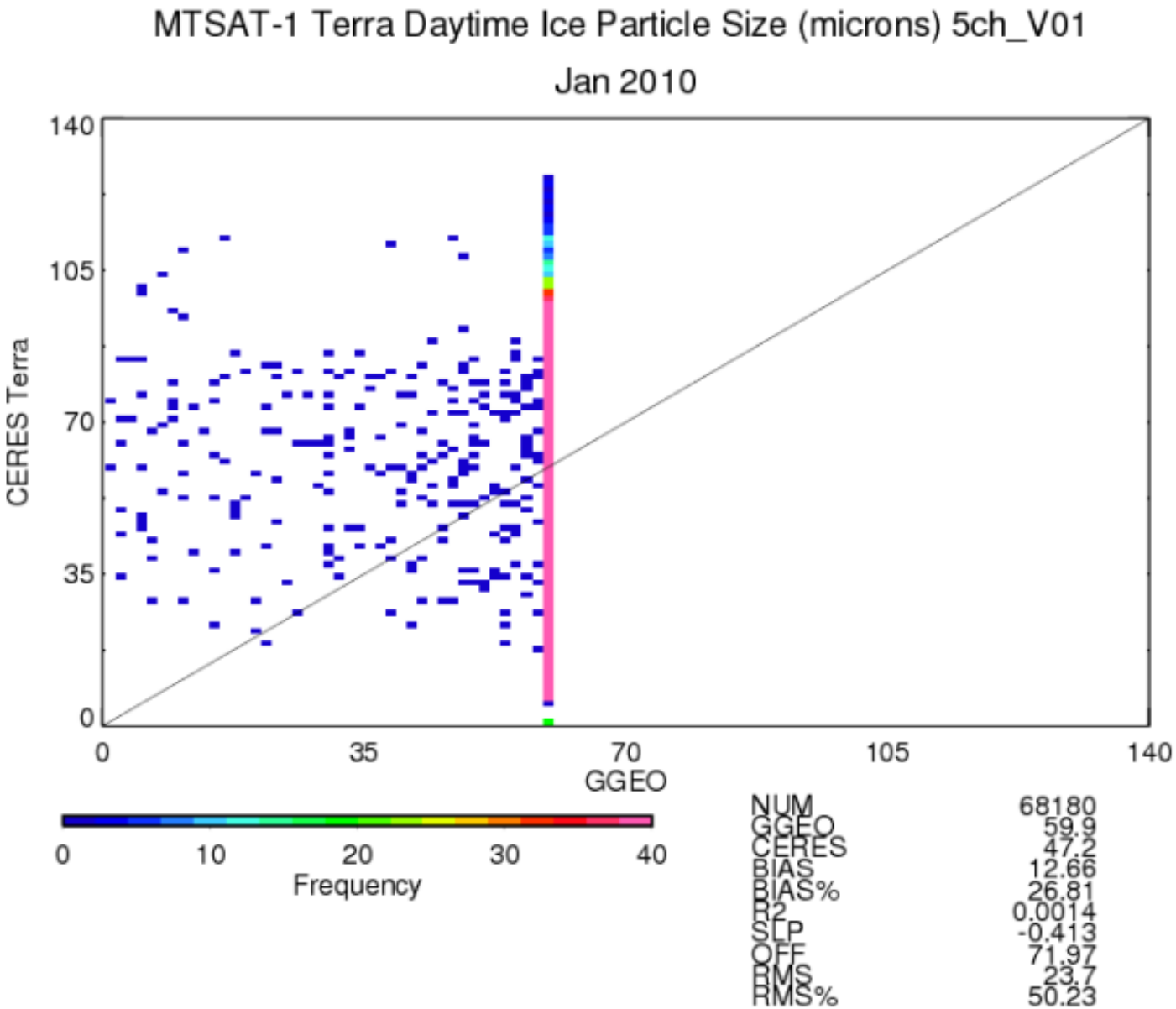

MTSAT-1 Terra Daytime Cloud Base Height (km) 5ch_V01
Jan 2010
CERES Terra
GGEO
CERES has no valid data
0
2
4
6
8
10
12
NUM 20
GGEO 0.0
CERES 0.0
BIAS 0.00
BIAS% -NaN
R2 NaN
SLP -NaN
OFF -NaN
RMS 0.0
RMS% -NaN

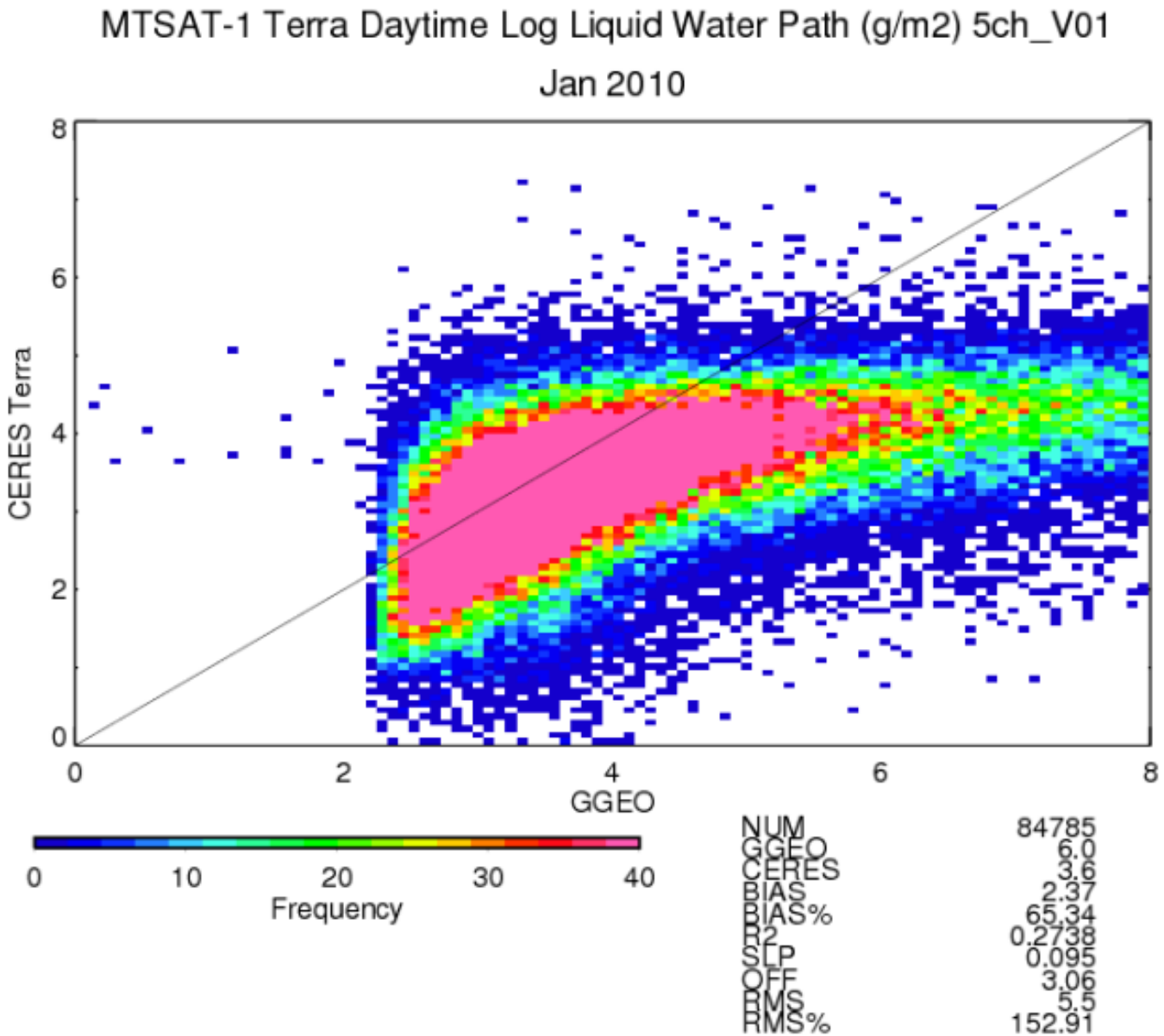

MTSAT-1 Terra Daytime Cloud Phase 5ch_V01
Jan 2010
CERES Terra
2
1
1
2
GGEO
0
10
20
30
40
Frequency
NUM 107091
GGEO 1.4
CERES 1.4
BIAS 0.04
BIAS% 3.10
R2 0.5205
SLP 0.676
OFF 0.42
RMS 0.3
RMS% 21.73

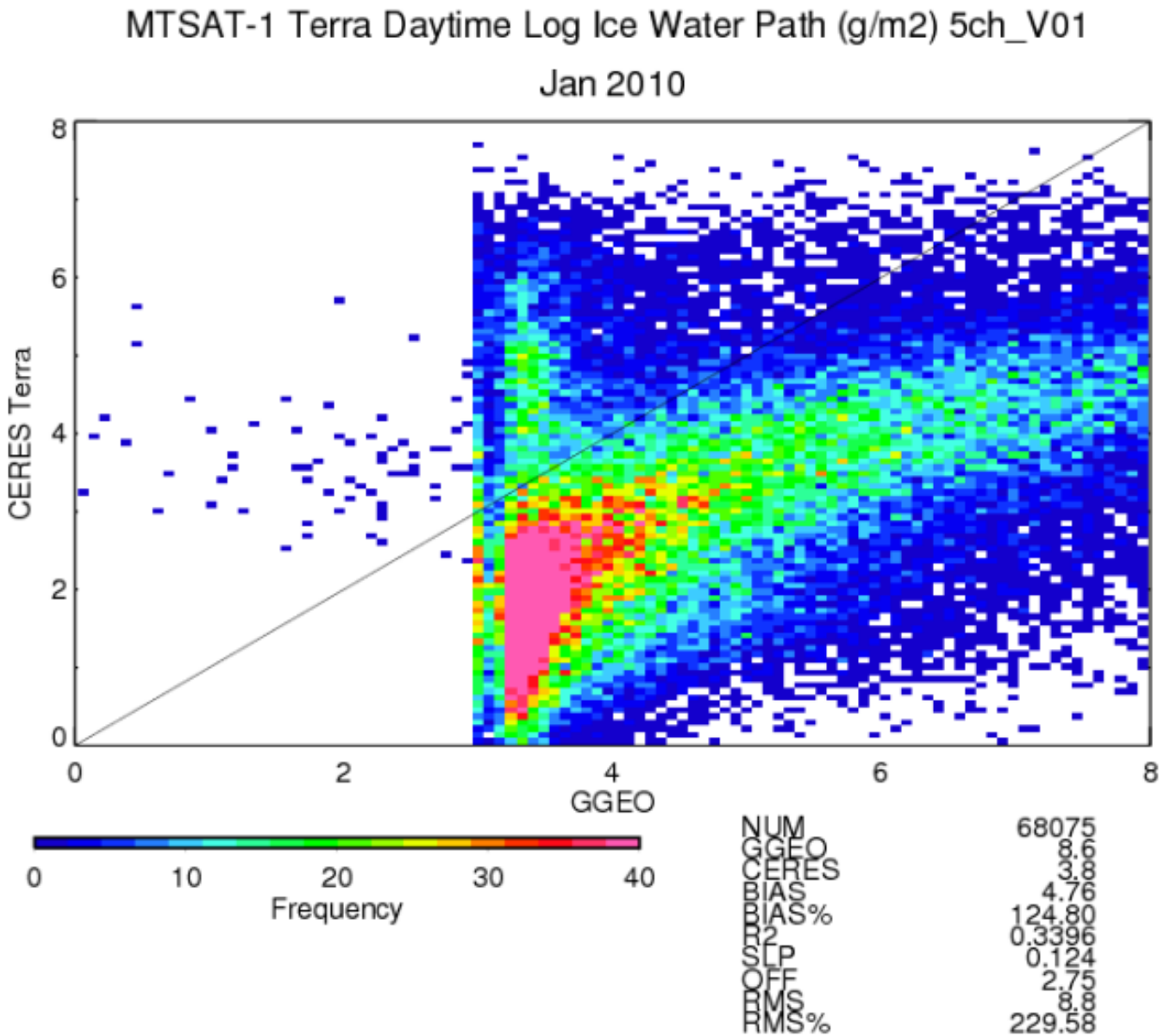

MTSAT-1 Terra Daytime Liquid Cld Amt (%) 5ch_V01
Jan 2010
CERES Terra
GGEO
Frequency
0
10
20
30
40
0
20
40
60
80
100
NUM 89653
GGEO 0.5
CERES 0.5
BIAS 0.05
BIAS% 11.52
R2 0.2098
SLP 0.410
OFF 0.25
RMS 0.4
RMS% 76.72

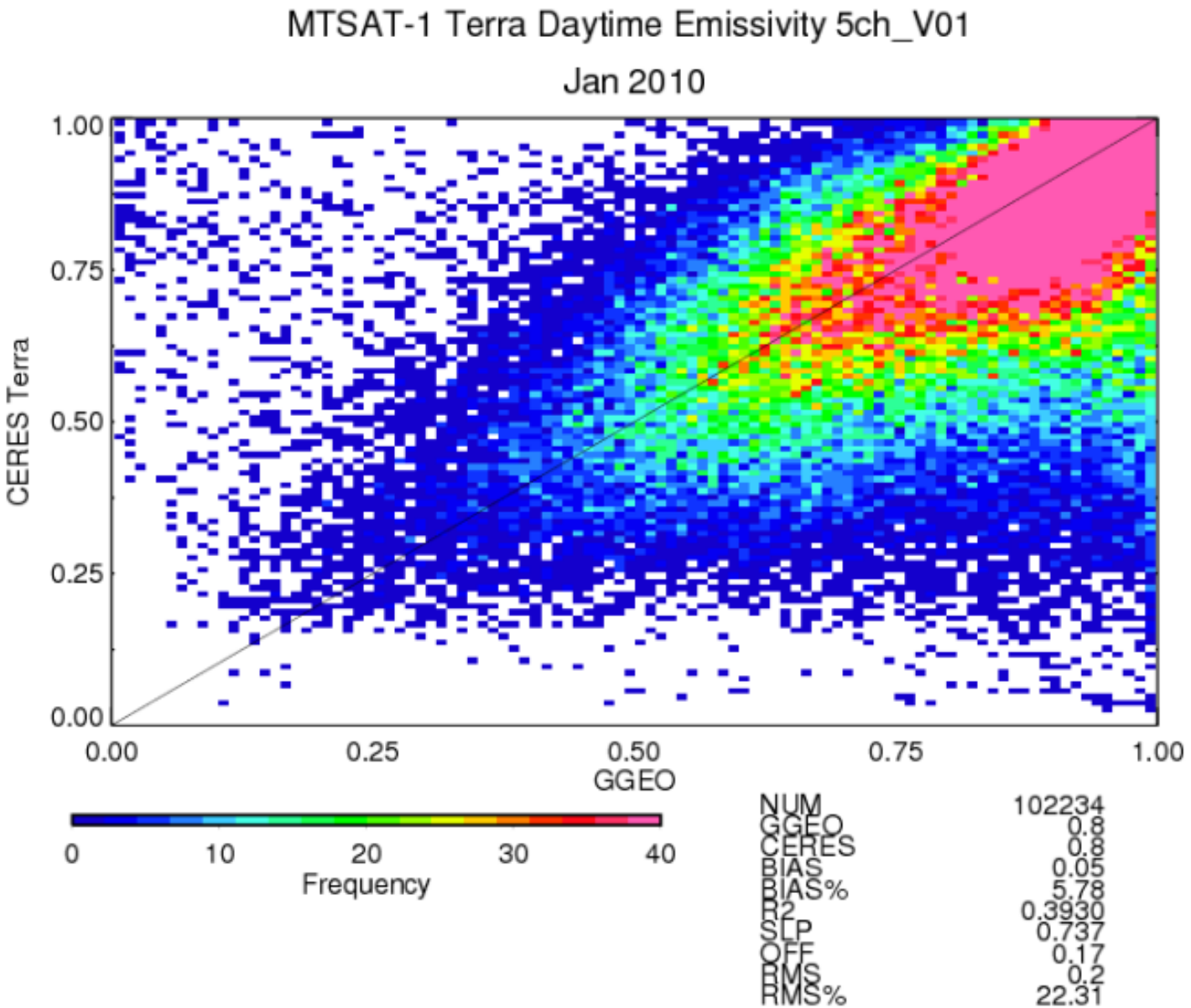

MTSAT-1 Terra Daytime Ice Cld Amt (%) 5ch_V01
Jan 2010
CERES Terra
100
80
60
40
20
0
0
20
40
60
80
100
GGEO
0
10
20
30
40
Frequency
NUM 65920
GGEO 0.6
CERES 0.5
BIAS 0.10
BIAS% 20.19
R2 0.4132
SLP 0.613
OFF 0.13
RMS 0.3
RMS% 66.23

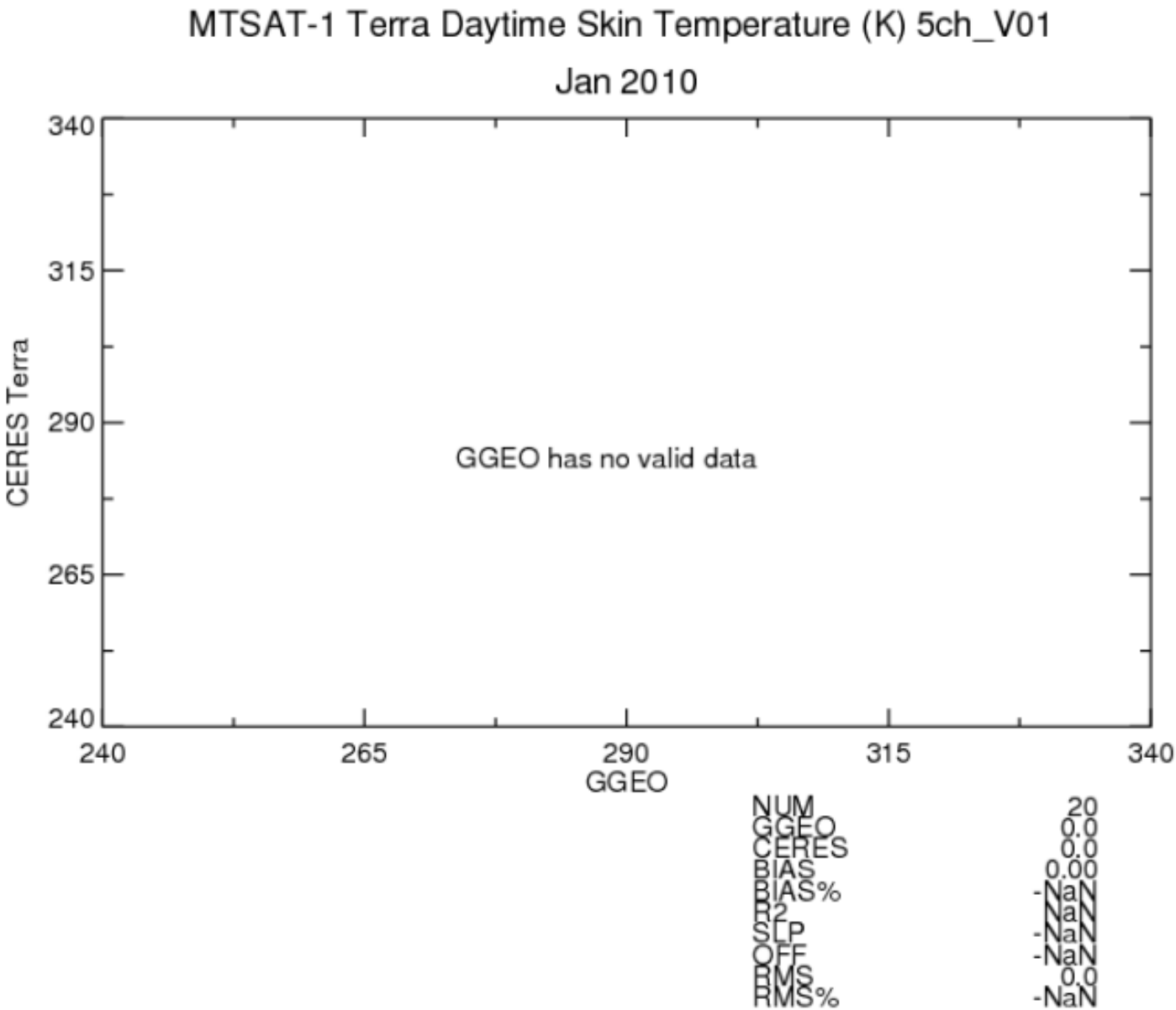

MTSAT-1 Terra Daytime Liquid Particle Size (microns) 5ch_V01
Jan 2010
CERES Terra
GGEO
0
10
20
30
40
Frequency
NUM 84819
GGEO 10.0
CERES 13.0
BIAS -3.02
BIAS% -23.22
R2 0.0000
SLP -0.034
OFF 13.36
RMS 4.9
RMS% 37.30

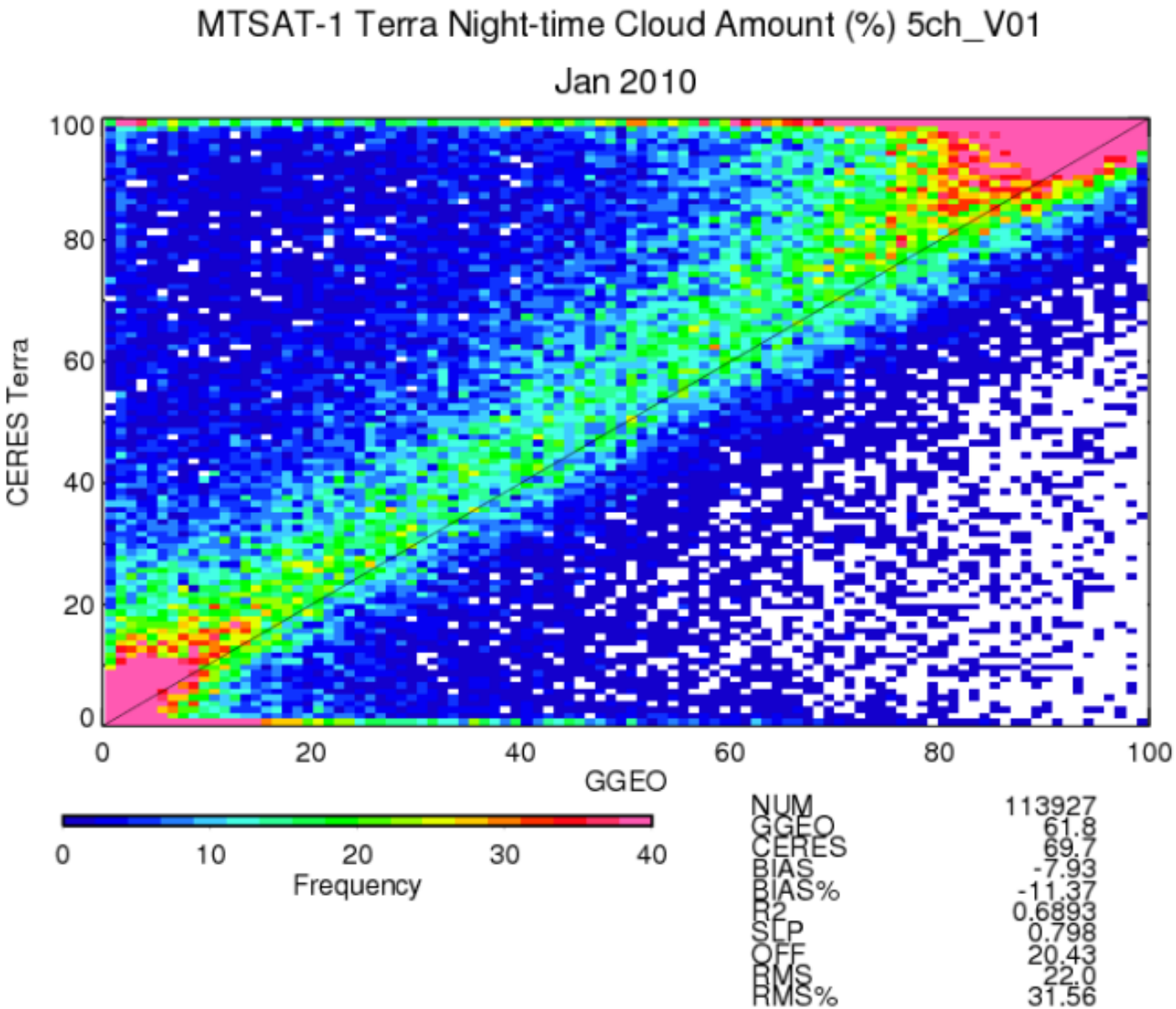

MTSAT-1 Terra Daytime Ice Particle Size (microns) 5ch_V01
Jan 2010
CERES Terra
140
105
70
35
0
0
35
70
105
140
GGEO
0
10
20
30
40
Frequency
NUM 68180
GGEO 59.9
CERES 47.2
BIAS 12.66
BIAS% 26.81
R2 0.0014
SLP -0.413
OFF 71.97
RMS 23.7
RMS% 50.23

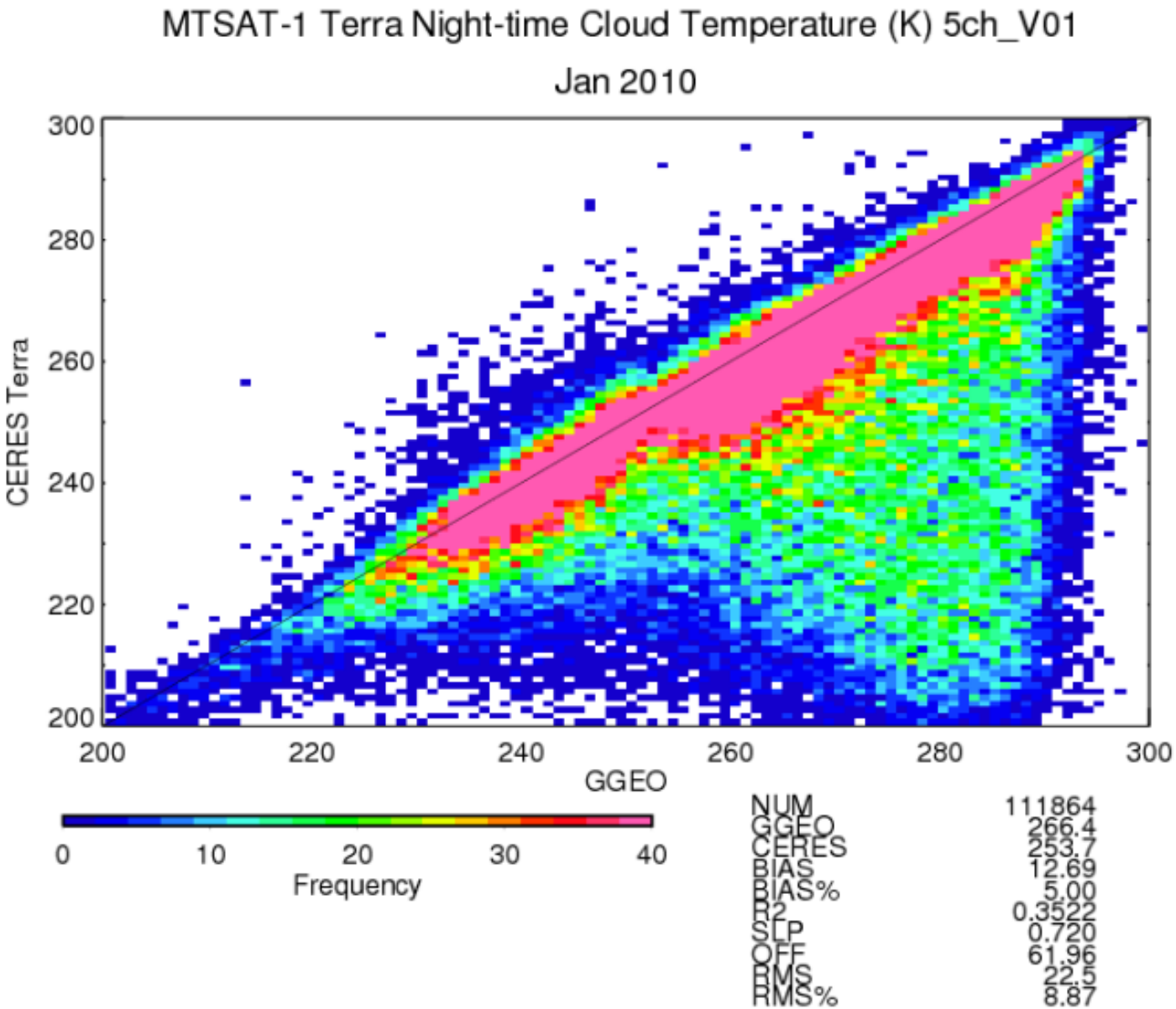

MTSAT-1 Terra Daytime Log Liquid Water Path (g/m2) 5ch_V01
Jan 2010
CERES Terra
GGEO
0
2
4
6
8
0
10
20
30
40
Frequency
NUM 84785
GGEO 6.0
CERES 3.6
BIAS 2.37
BIAS% 65.34
R2 0.2738
SLP 0.095
OFF 3.06
RMS 5.5
RMS% 152.91

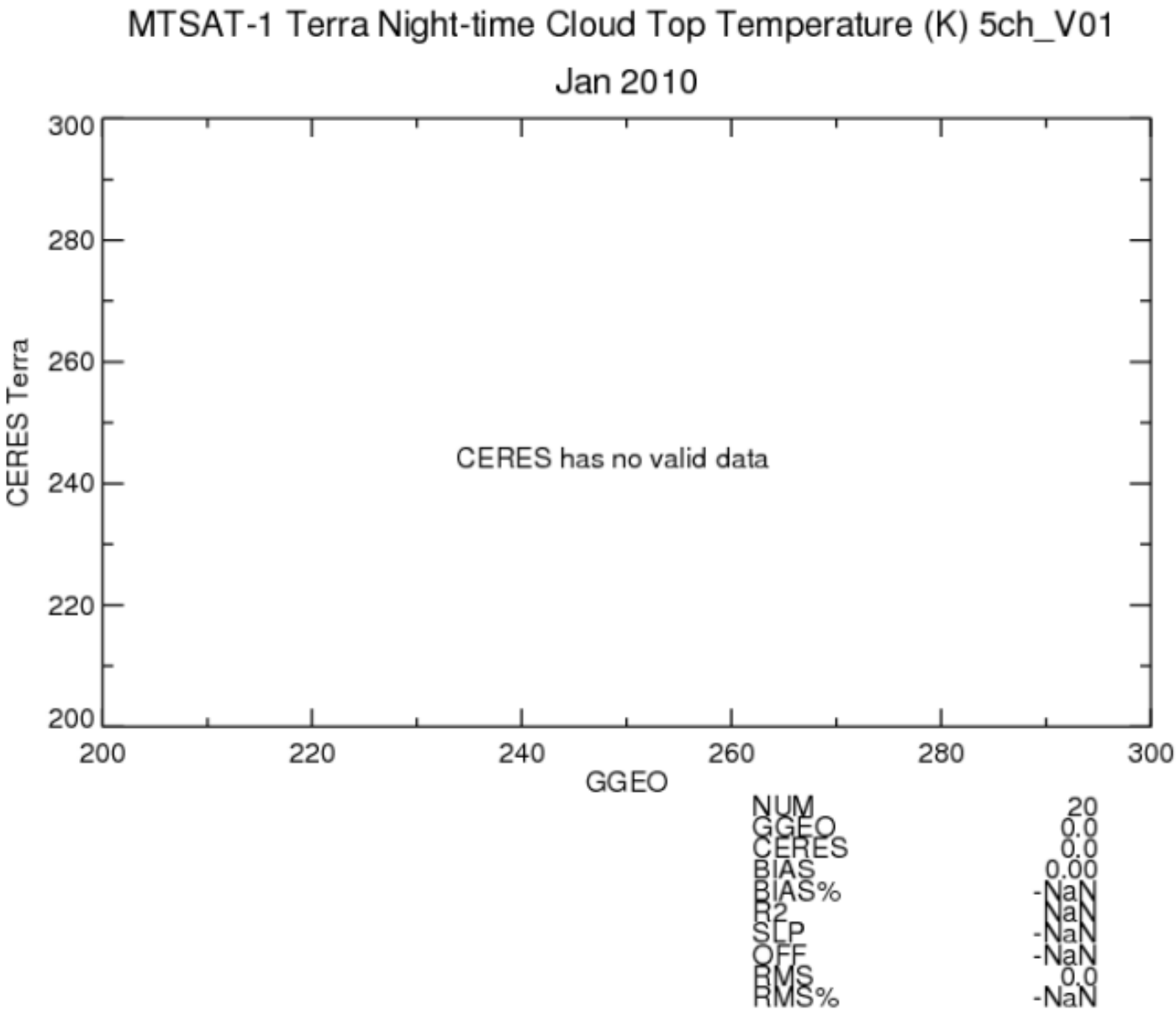

MTSAT-1 Terra Daytime Log Ice Water Path (g/m2) 5ch_V01
Jan 2010
CERES Terra
GGEO
0
2
4
6
8
0
10
20
30
40
Frequency
NUM 68075
GGEO 8.6
CERES 3.8
BIAS 4.76
BIAS% 124.80
R2 0.3396
SLP 0.124
OFF 2.75
RMS 8.8
RMS% 229.58

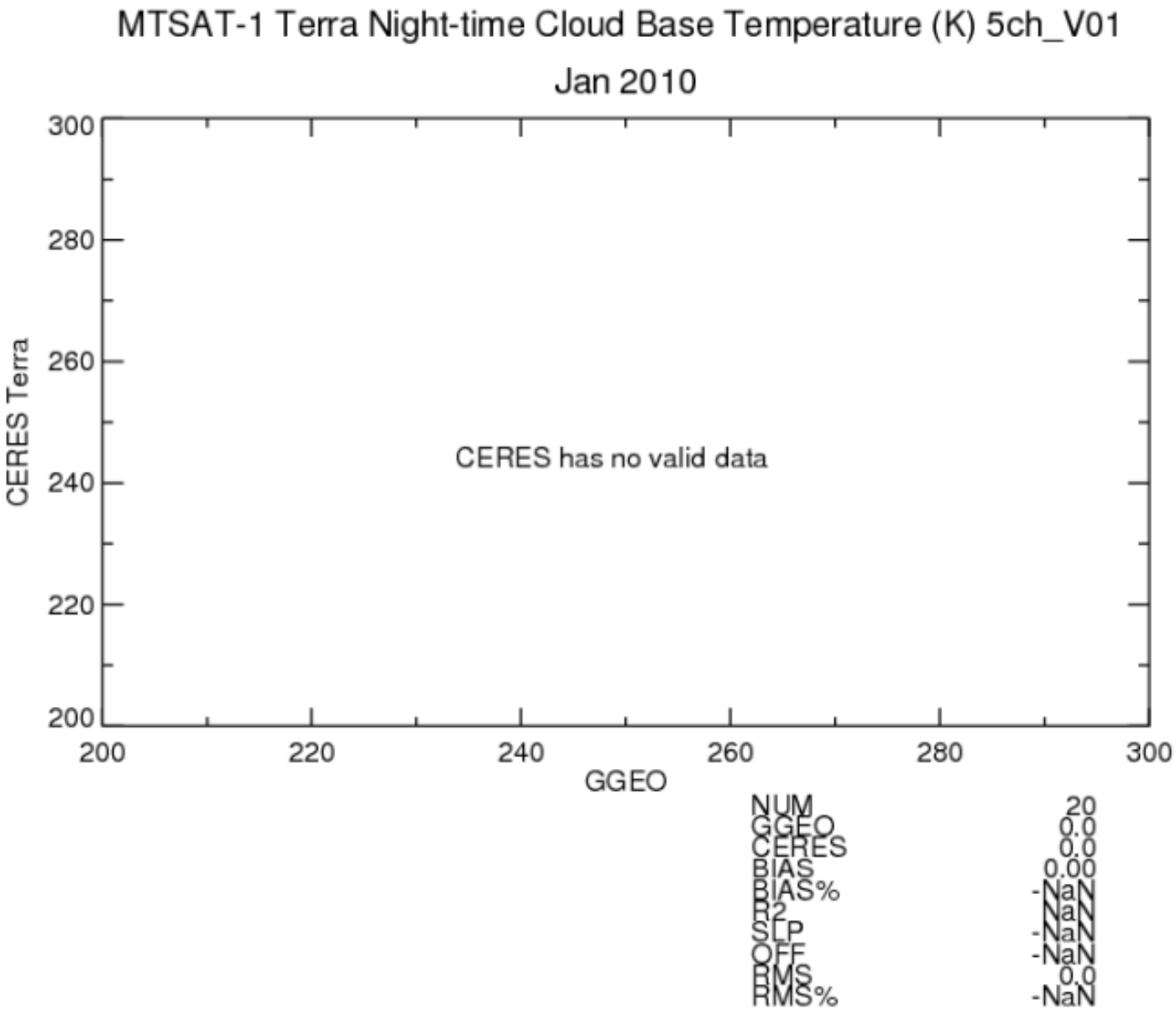

MTSAT-1 Terra Daytime Emissivity 5ch_V01
Jan 2010
CERES Terra
1.00
0.75
0.50
0.25
0.00
0.00
0.25
0.50
0.75
1.00
GGEO
0
10
20
30
40
Frequency
NUM 102234
GGEO 0.8
CERES 0.8
BIAS 0.05
BIAS% 5.78
R2 0.3930
SLP 0.737
OFF 0.17
RMS 0.2
RMS% 22.31

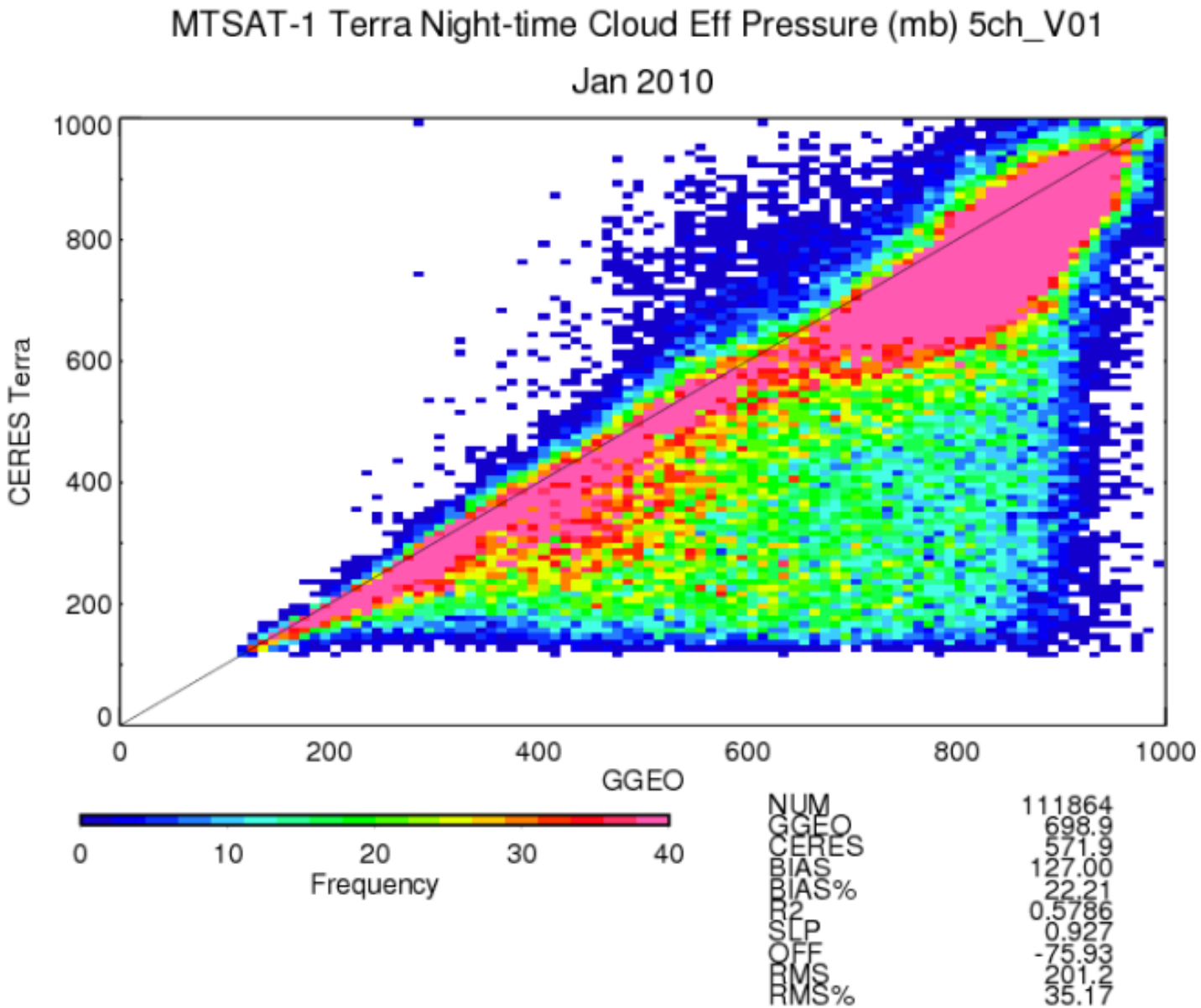

MTSAT-1 Terra Daytime Skin Temperature (K) 5ch_V01
Jan 2010
CERES Terra
GGEO
340
315
290
265
240
GGEO has no valid data
NUM 20
GGEO 0.0
CERES 0.0
BIAS 0.00
BIAS% -NaN
R2 NaN
SLP -NaN
OFF -NaN
RMS 0.0
RMS% -NaN

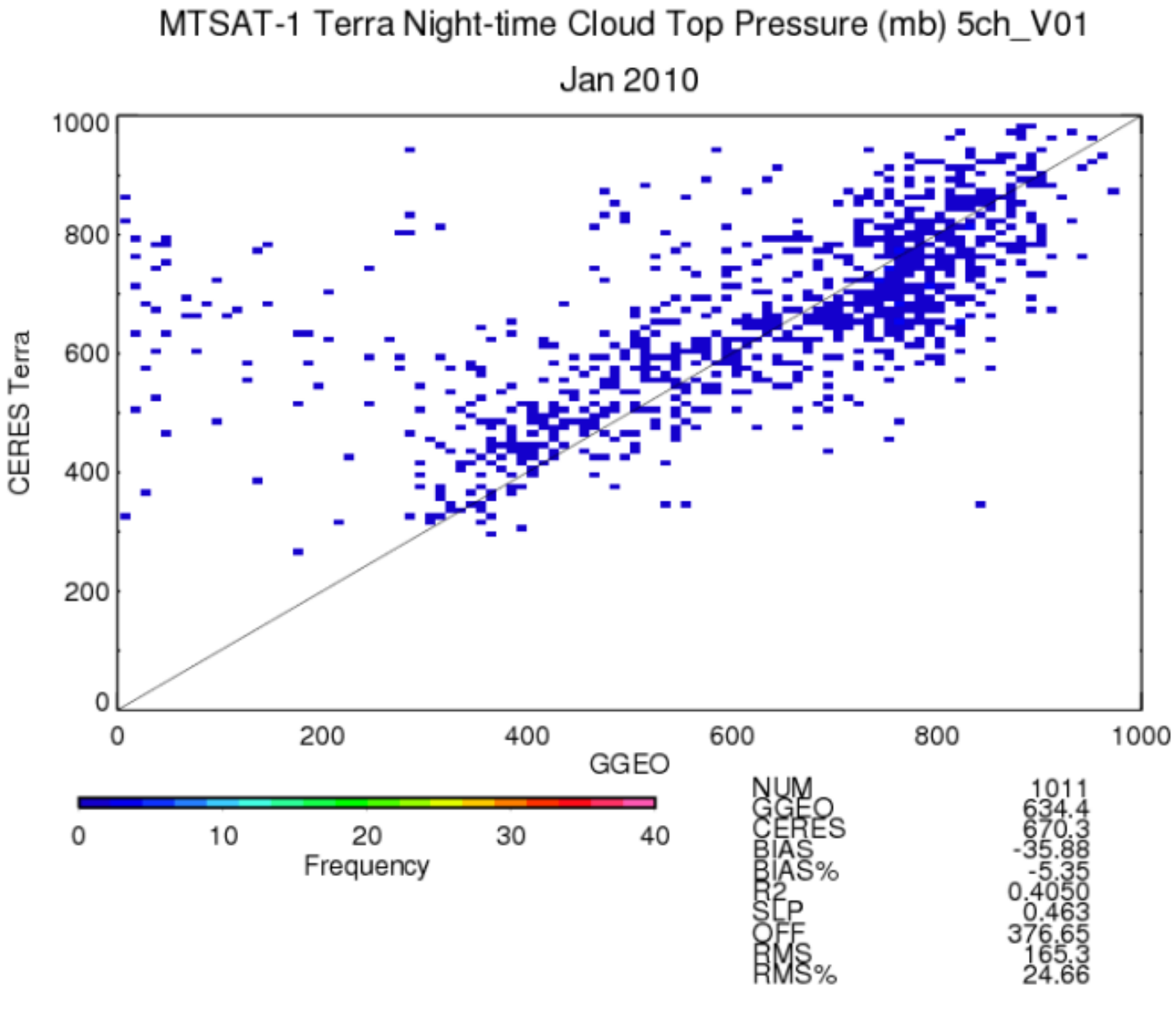

MTSAT-1 Terra Night-time Cloud Amount (%) 5ch_V01
Jan 2010
CERES Terra
GGEO
Frequency
0
10
20
30
40
0
20
40
60
80
100
NUM 113927
GGEO 61.8
CERES 69.7
BIAS -7.93
BIAS% -11.37
R2 0.6893
SLP 0.798
OFF 20.43
RMS 22.0
RMS% 31.56

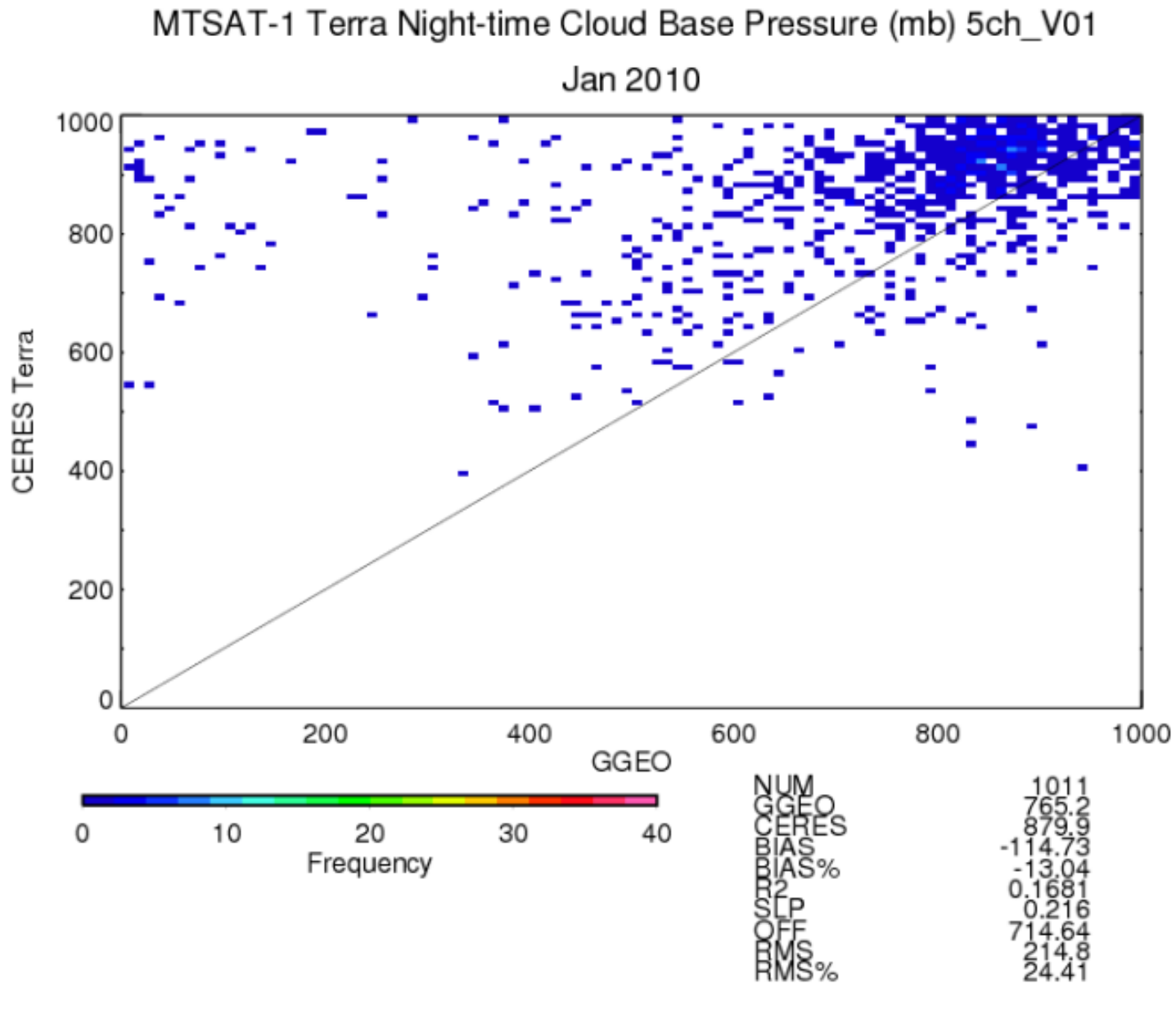

MTSAT-1 Terra Night-time Cloud Temperature (K) 5ch_V01
Jan 2010
CERES Terra
GGEO
300
280
260
240
220
200
200
220
240
260
280
300
0
10
20
30
40
Frequency
NUM 111864
GGEO 266.4
CERES 253.7
BIAS 12.69
BIAS% 5.00
R2 0.3522
SLP 0.720
OFF 61.96
RMS 22.5
RMS% 8.87

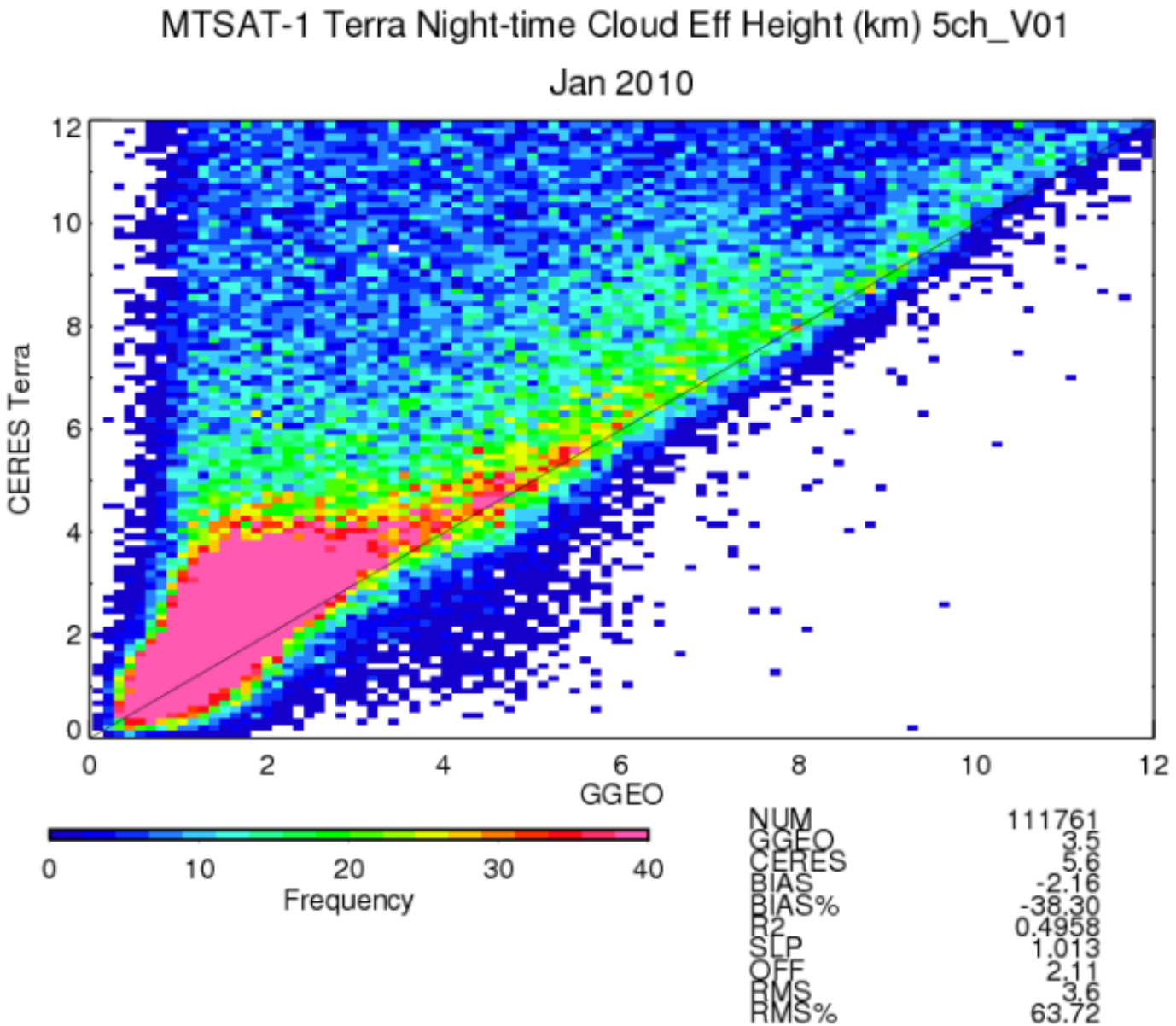

MTSAT-1 Terra Night-time Cloud Top Temperature (K) 5ch_V01
Jan 2010
CERES Terra
GGEO
CERES has no valid data
300
280
260
240
220
200
200
220
240
260
280
300
NUM 20
GGEO 0.0
CERES 0.0
BIAS 0.00
BIAS% -NaN
R2 NaN
SLP -NaN
OFF -NaN
RMS 0.0
RMS% -NaN

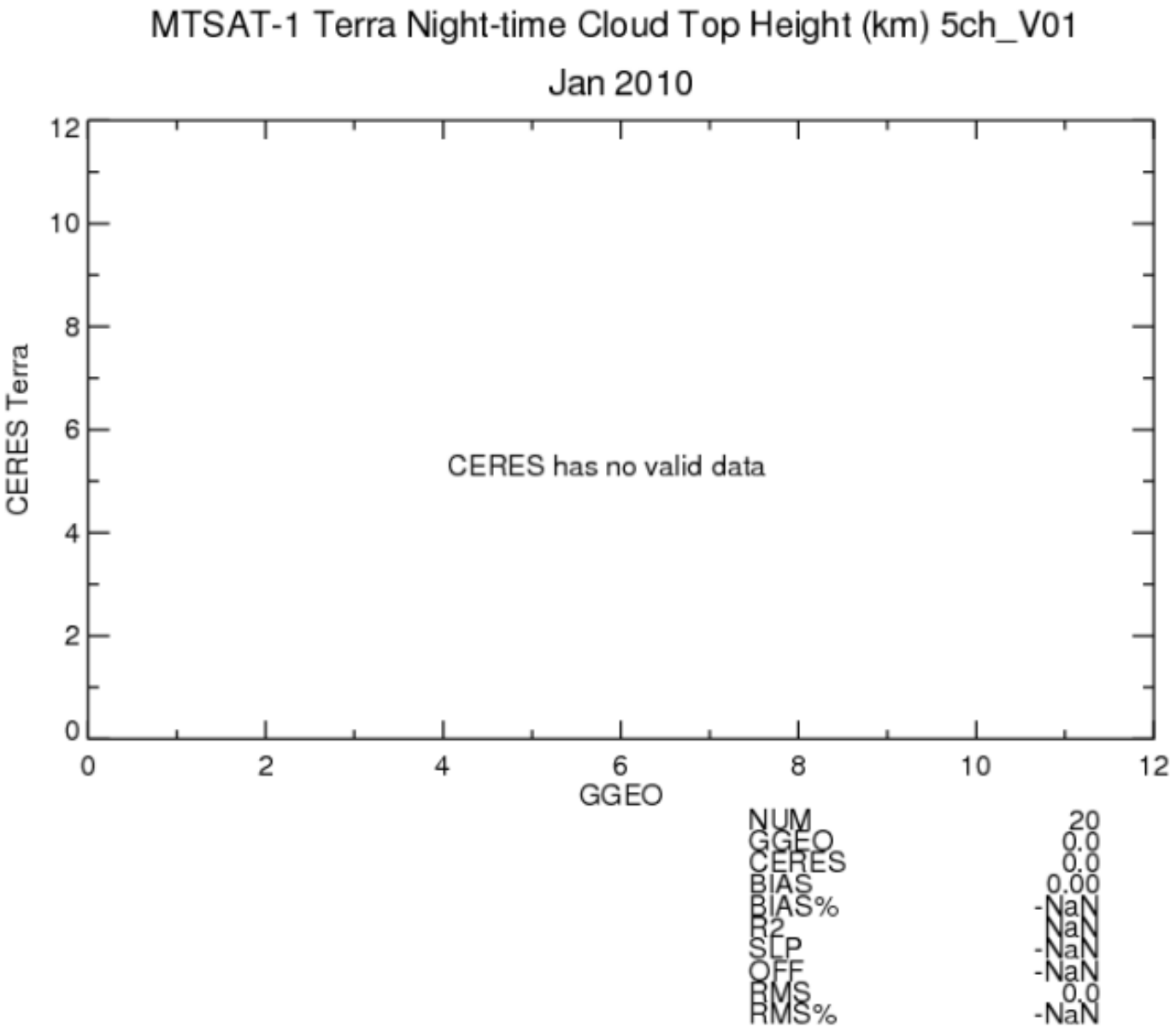

MTSAT-1 Terra Night-time Cloud Base Temperature (K) 5ch_V01
Jan 2010
CERES Terra
GGEO
CERES has no valid data
300
280
260
240
220
200
200
220
240
260
280
300
NUM 20
GGEO 0.0
CERES 0.0
BIAS 0.00
BIAS% -NaN
R2 NaN
SLP -NaN
OFF -NaN
RMS 0.0
RMS% -NaN

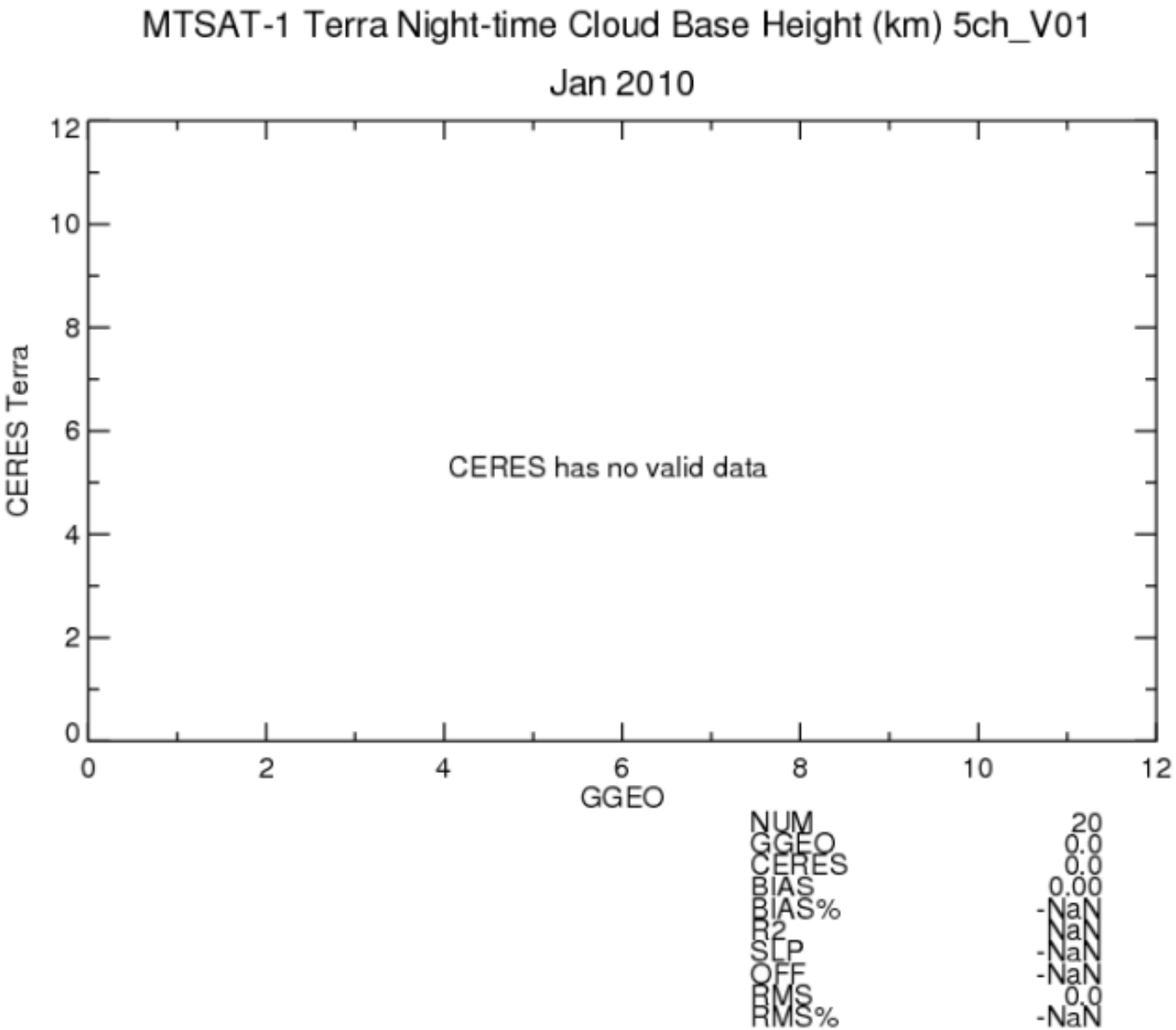

MTSAT-1 Terra Night-time Cloud Eff Pressure (mb) 5ch_V01
Jan 2010
CERES Terra
GGEO
0
200
400
600
800
1000
Frequency
0
10
20
30
40
NUM 111864
GGEO 698.9
CERES 571.9
BIAS 127.00
BIAS% 22.21
R2 0.5786
SLP 0.927
OFF -75.93
RMS 201.2
RMS% 35.17

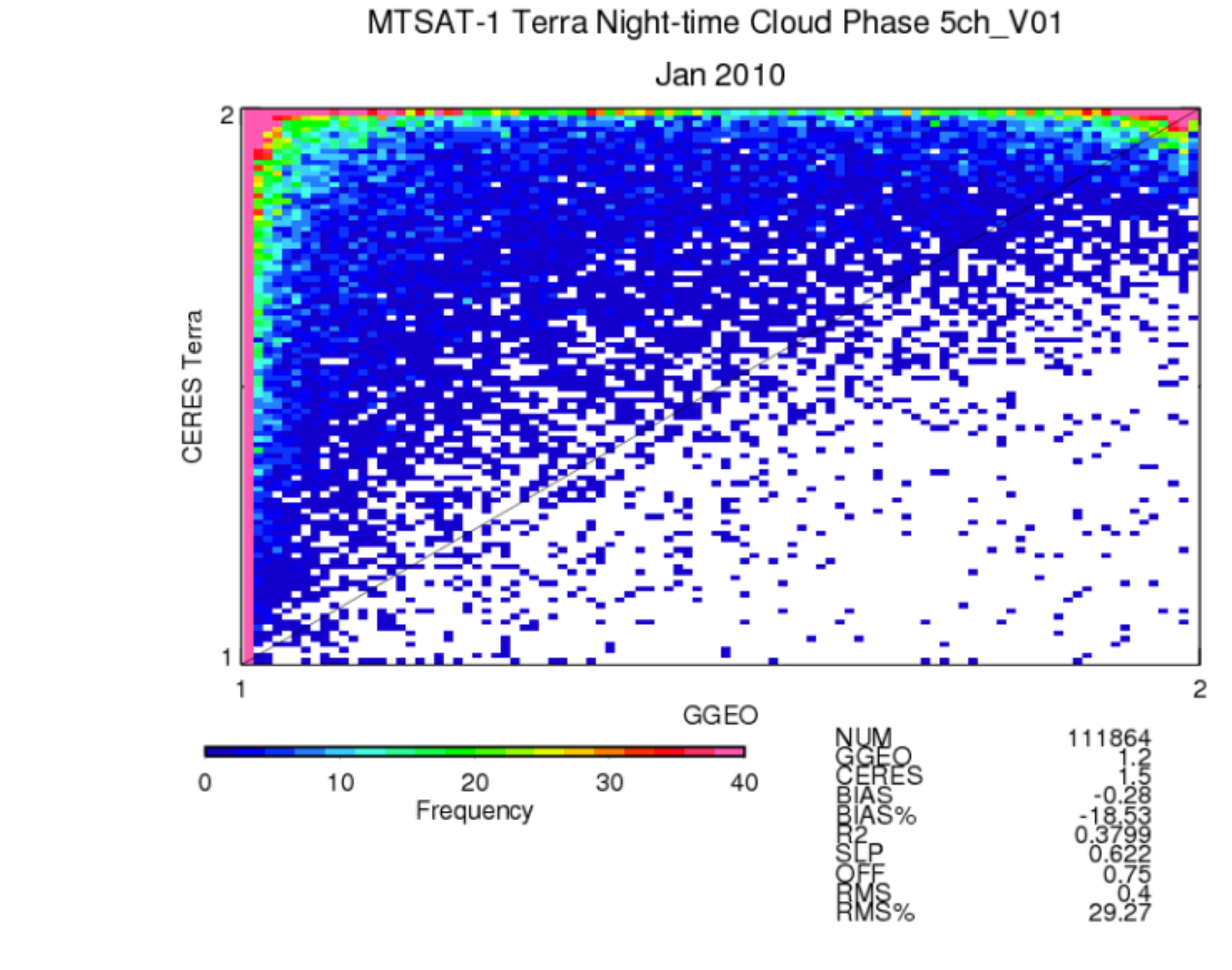

MTSAT-1 Terra Night-time Cloud Top Pressure (mb) 5ch_V01
Jan 2010
CERES Terra
GGEO
0
200
400
600
800
1000
Frequency
0
10
20
30
40
NUM 1011
GGEO 634.4
CERES 670.3
BIAS -35.88
BIAS% -5.35
R2 0.4050
SLP 0.463
OFF 376.65
RMS 165.3
RMS% 24.66

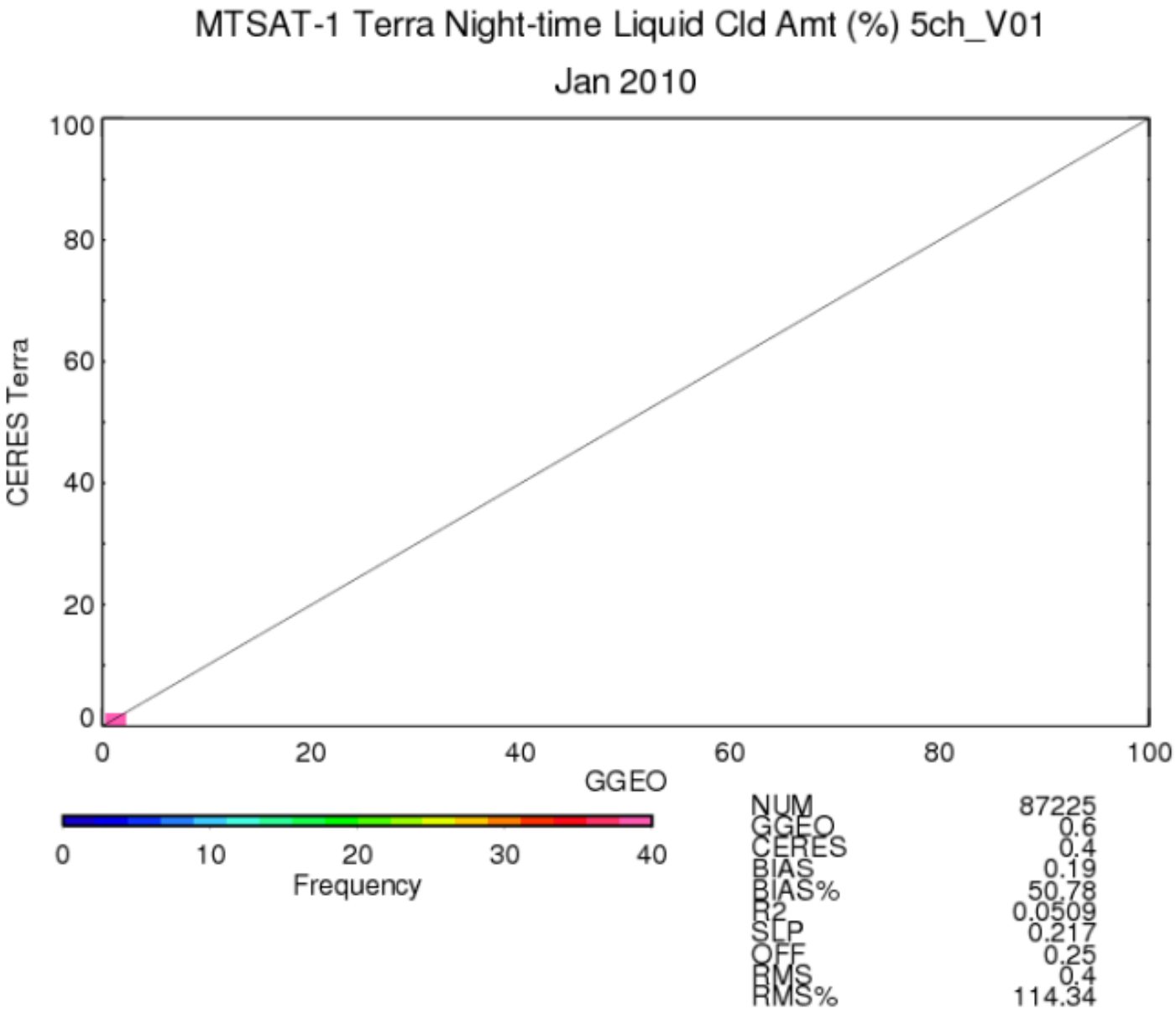

MTSAT-1 Terra Night-time Cloud Base Pressure (mb) 5ch_V01
Jan 2010
CERES Terra
GGEO
0
200
400
600
800
1000
0
10
20
30
40
Frequency
NUM 1011
GGEO 765.2
CERES 879.9
BIAS -114.73
BIAS% -13.04
R2 0.1681
SLP 0.216
OFF 714.64
RMS 214.8
RMS% 24.41

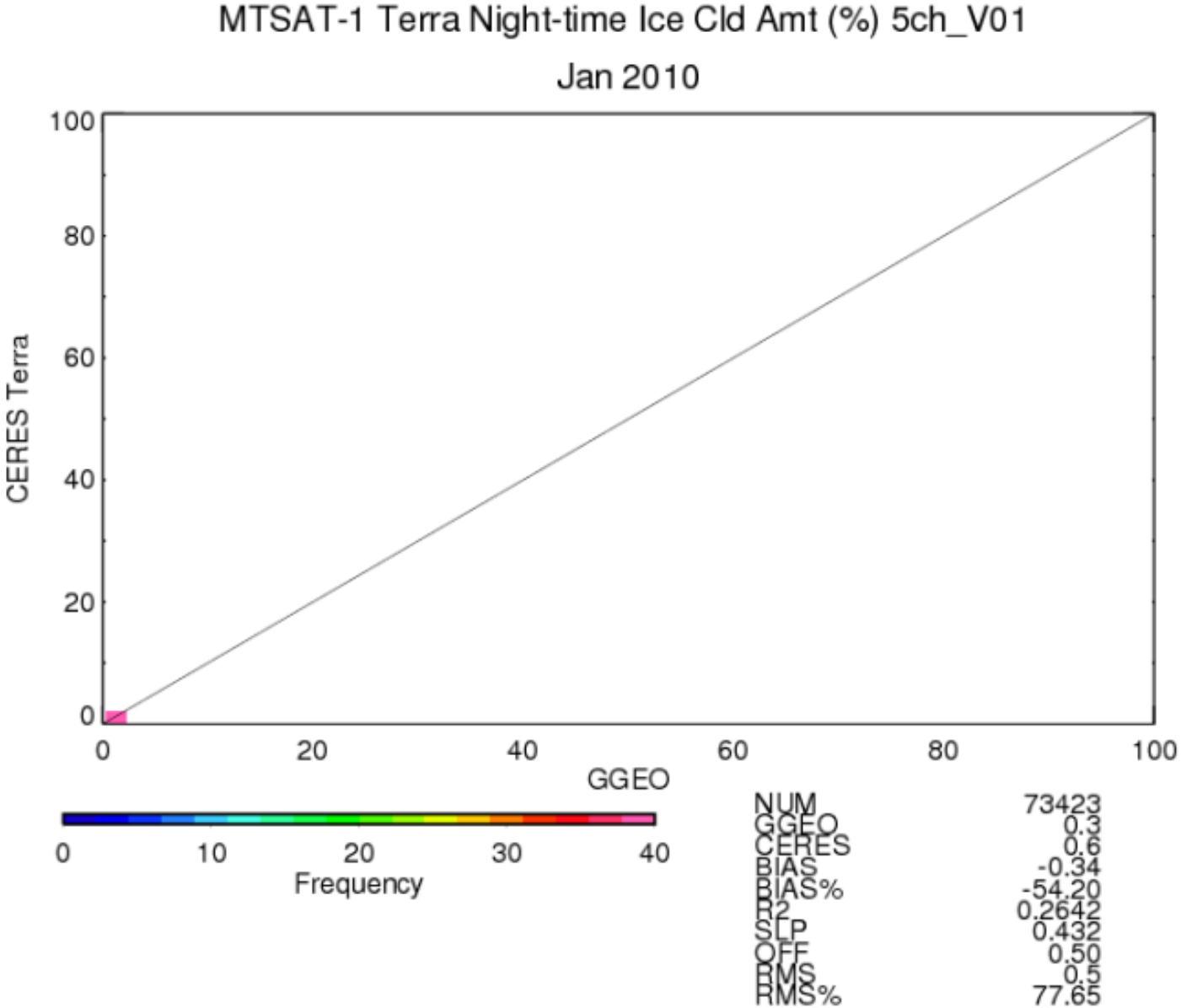

MTSAT-1 Terra Night-time Cloud Eff Height (km) 5ch_V01
Jan 2010
CERES Terra
GGEO
Frequency
0
2
4
6
8
10
12
0
10
20
30
40
NUM 111761
GGEO 3.5
CERES 5.6
BIAS -2.16
BIAS% -38.30
R2 0.4958
SLP 1.013
OFF 2.11
RMS 3.6
RMS% 63.72

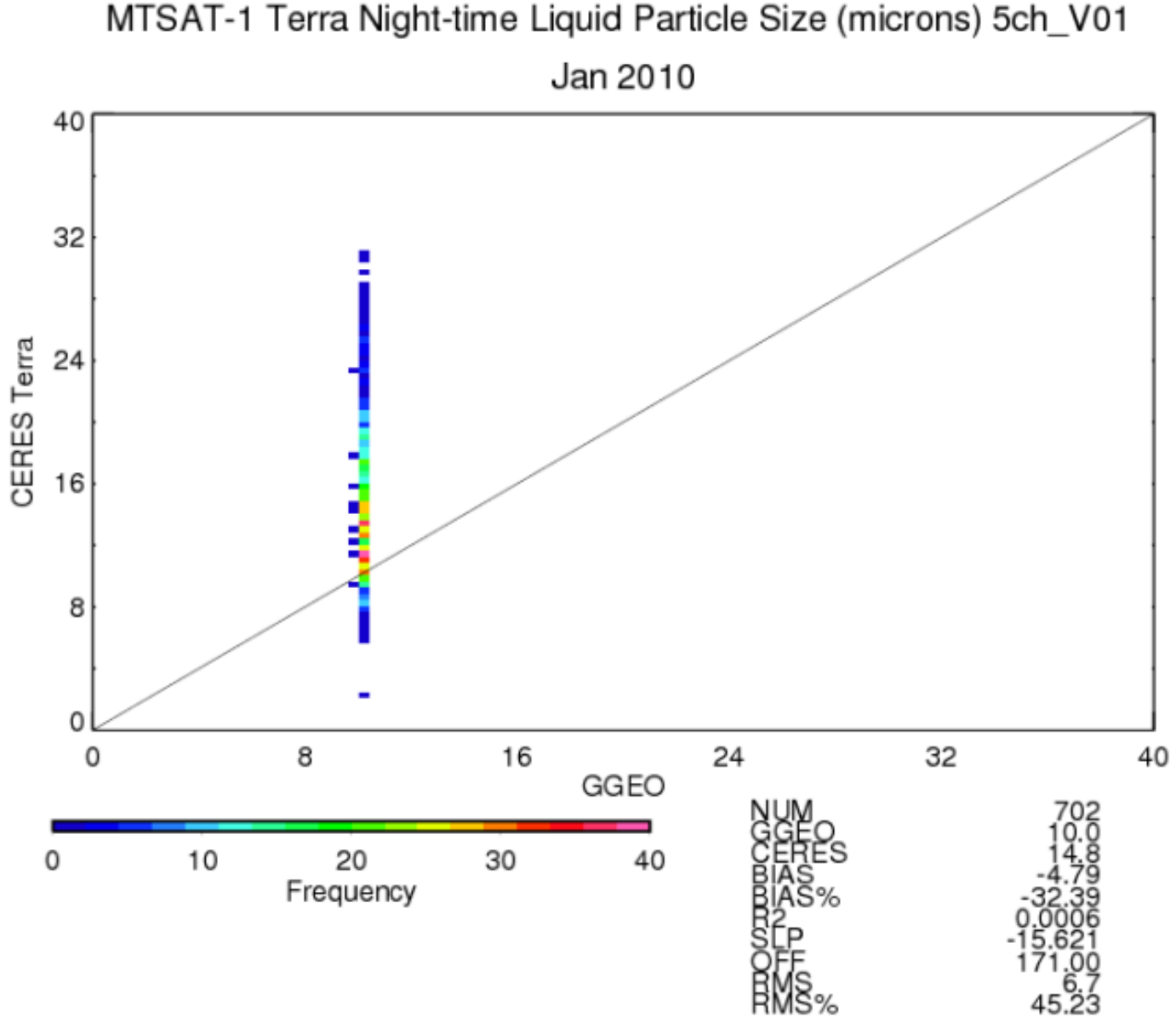

MTSAT-1 Terra Night-time Cloud Top Height (km) 5ch_V01
Jan 2010
CERES Terra
GGEO
CERES has no valid data
0
2
4
6
8
10
12
NUM 20
GGEO 0.0
CERES 0.0
BIAS 0.00
BIAS% -NaN
R2 NaN
SLP -NaN
OFF -NaN
RMS 0.0
RMS% -NaN

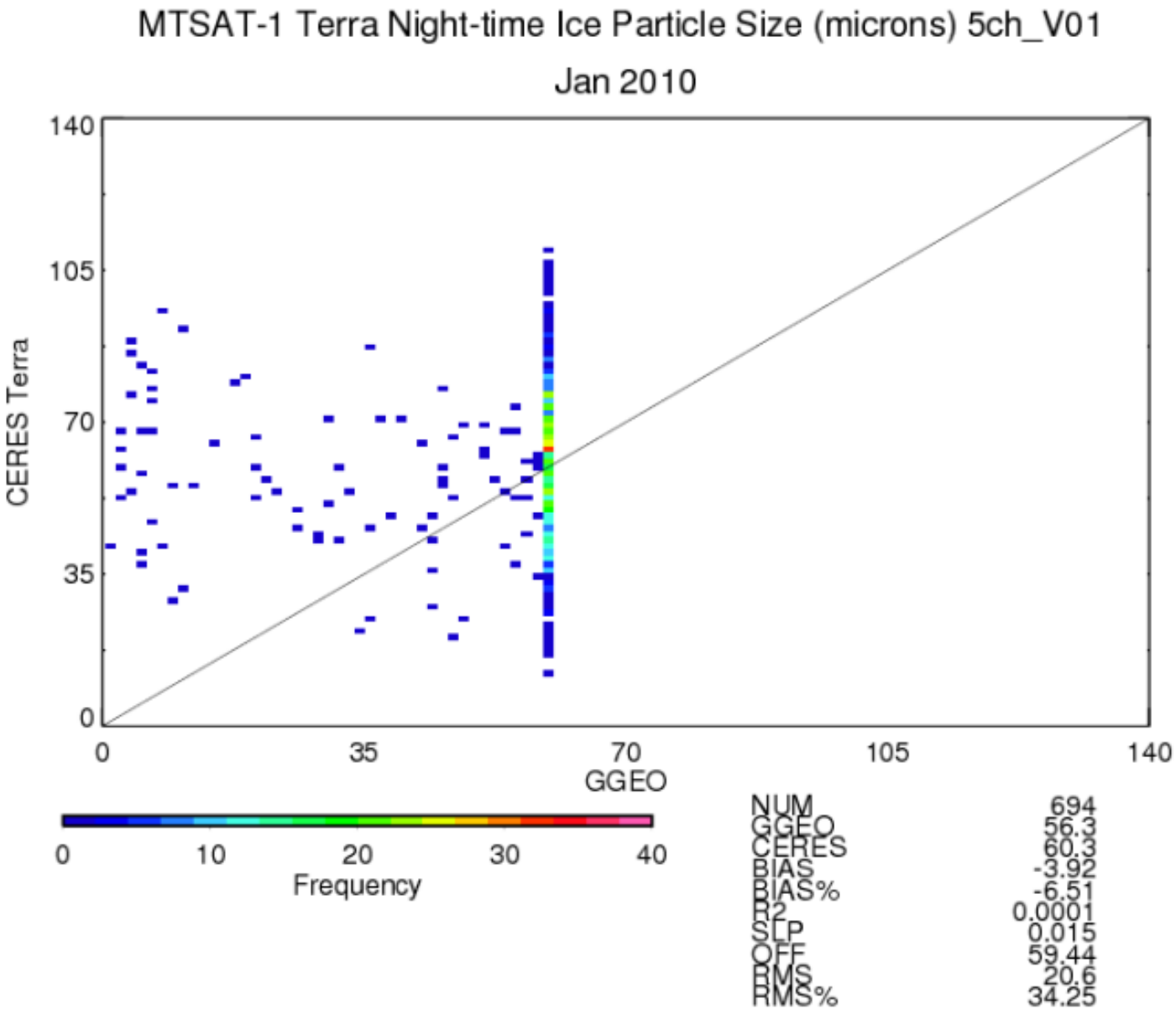

MTSAT-1 Terra Night-time Cloud Base Height (km) 5ch_V01
Jan 2010
CERES Terra
GGEO
CERES has no valid data
0
2
4
6
8
10
12
NUM 20
GGEO 0.0
CERES 0.0
BIAS 0.00
BIAS% -NaN
R2 NaN
SLP -NaN
OFF -NaN
RMS 0.0
RMS% -NaN

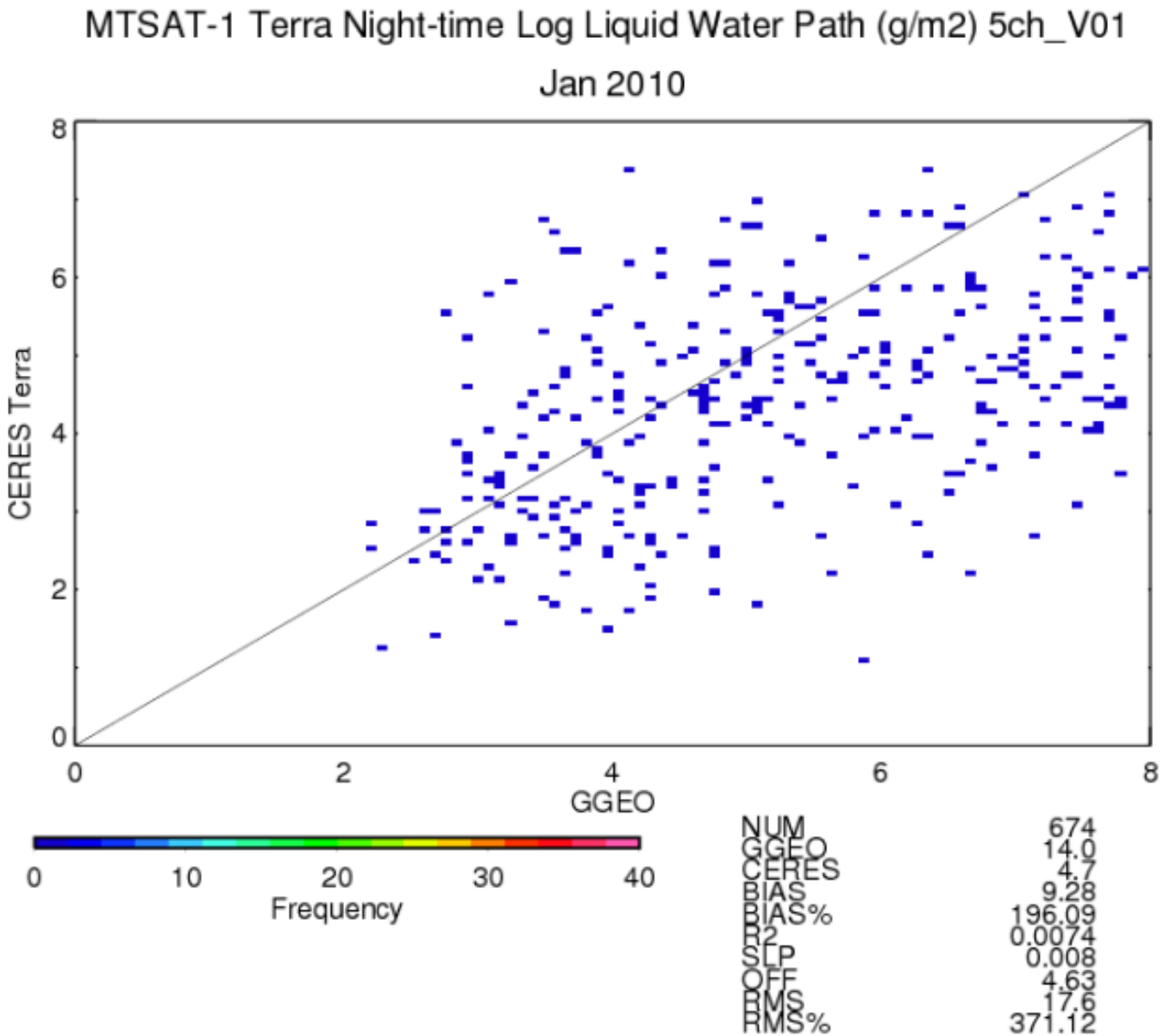

MTSAT-1 Terra Night-time Cloud Phase 5ch_V01
Jan 2010
CERES Terra
GGEO
Frequency
0
10
20
30
40
1
2
NUM 111864
GGEO 1.2
CERES 1.5
BIAS -0.28
BIAS% -18.53
R2 0.3799
SLP 0.622
OFF 0.75
RMS 0.4
RMS% 29.27

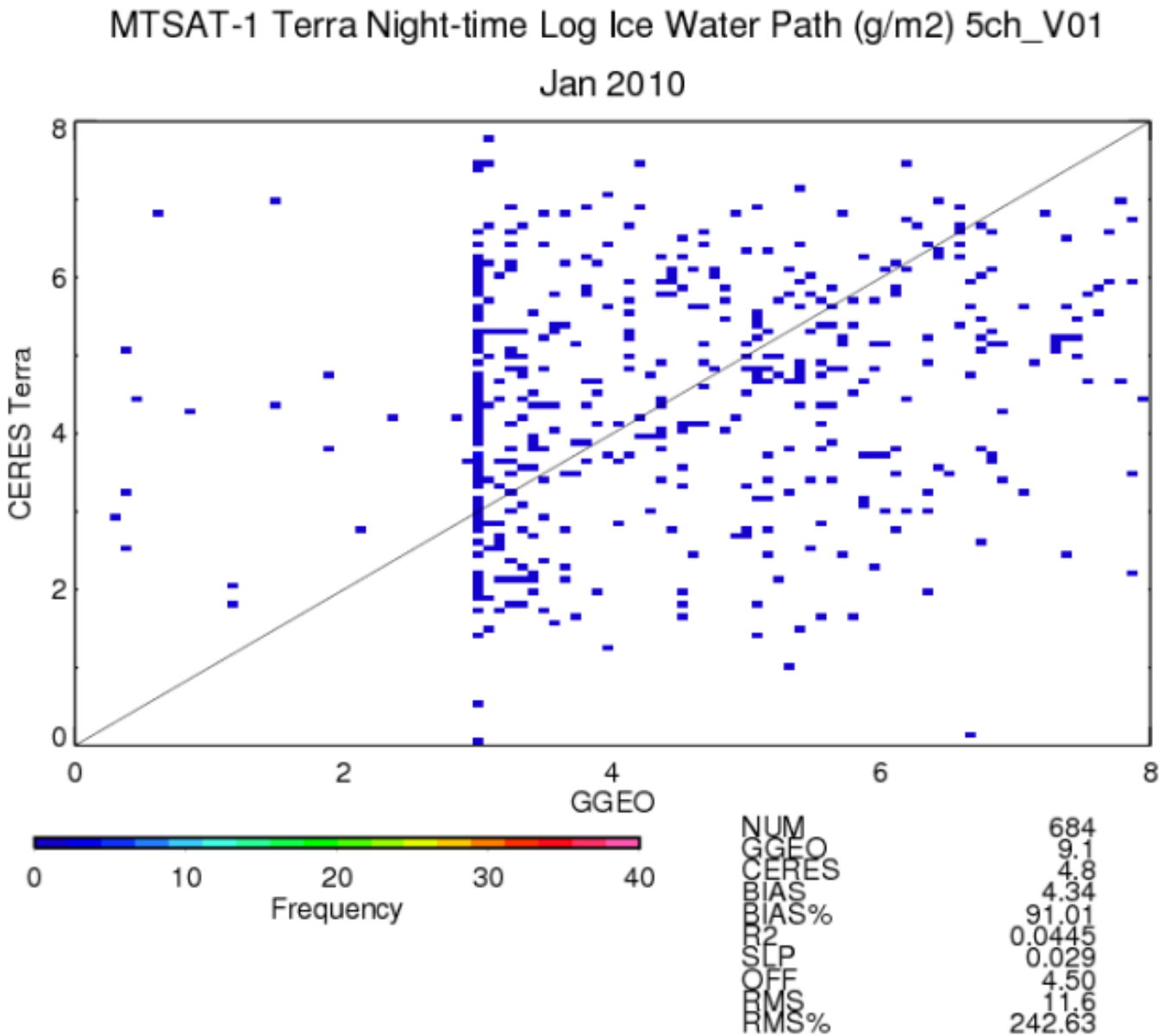

MTSAT-1 Terra Night-time Liquid Cld Amt (%) 5ch_V01
Jan 2010
CERES Terra
0
20
40
60
80
100
GGEO
0
10
20
30
40
Frequency
NUM 87225
GGEO 0.6
CERES 0.4
BIAS 0.19
BIAS% 50.78
R2 0.0509
SLP 0.217
OFF 0.25
RMS 0.4
RMS% 114.34

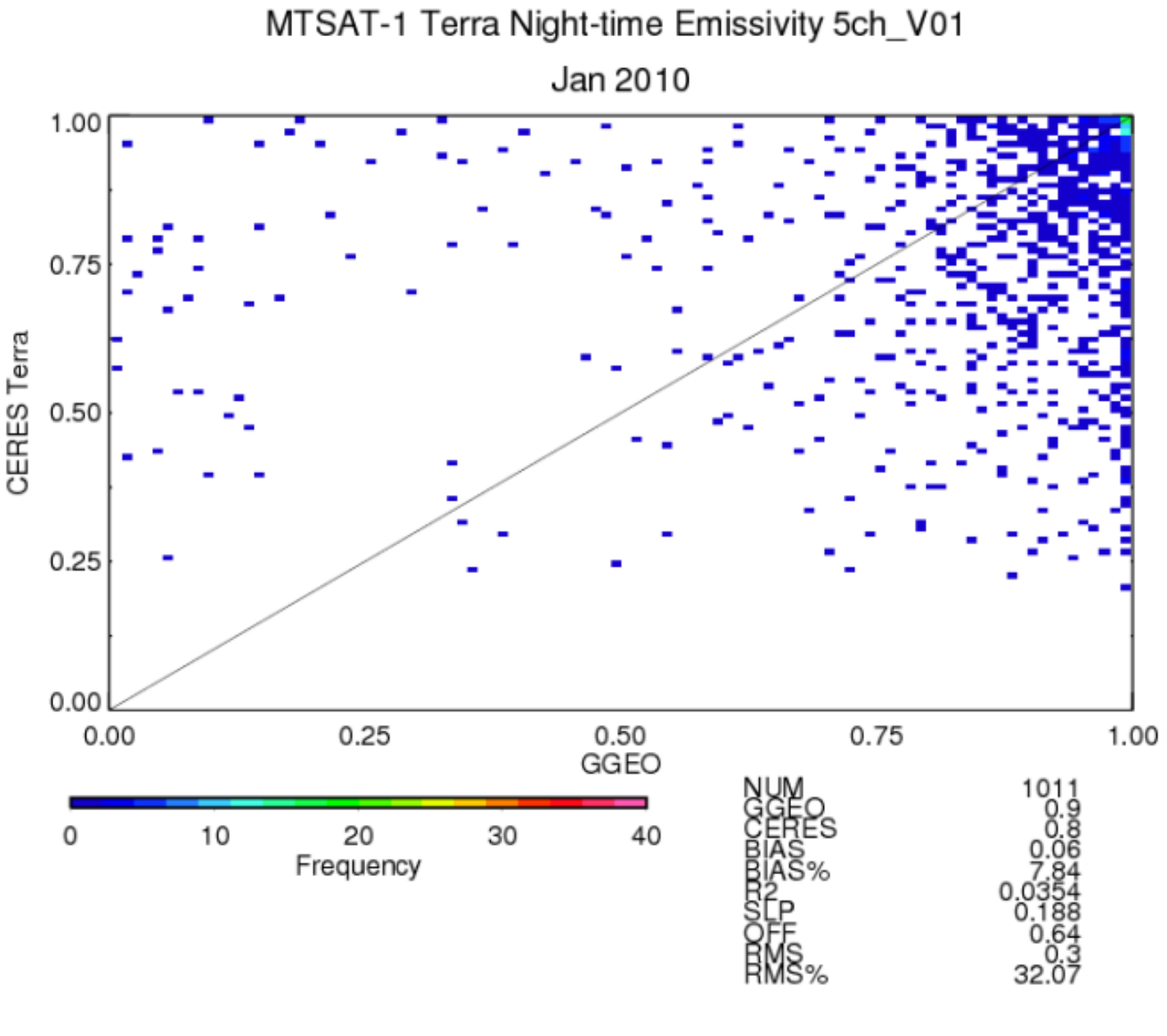

MTSAT-1 Terra Night-time Ice Cld Amt (%) 5ch_V01
Jan 2010
CERES Terra
GGEO
Frequency
NUM 73423
GGEO 0.3
CERES 0.6
BIAS -0.34
BIAS% -54.20
R2 0.2642
SLP 0.432
OFF 0.50
RMS 0.5
RMS% 77.65

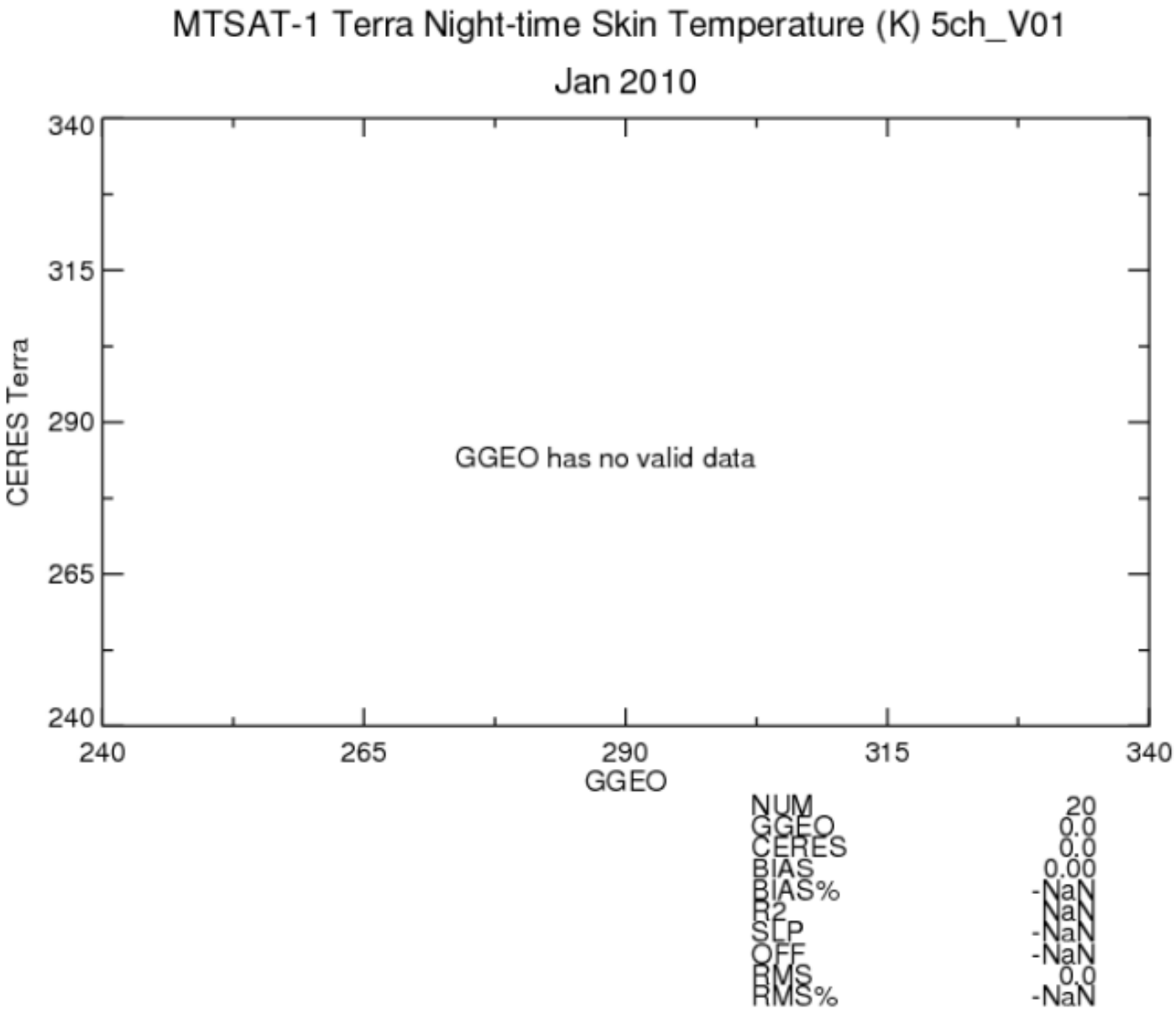

MTSAT-1 Terra Night-time Liquid Particle Size (microns) 5ch_V01
Jan 2010
CERES Terra
GGEO
0
8
16
24
32
40
Frequency
0
10
20
30
40
NUM 702
GGEO 10.0
CERES 14.8
BIAS -4.79
BIAS% -32.39
R2 0.0006
SLP -15.621
OFF 171.00
RMS 6.7
RMS% 45.23


MTSAT-1 Terra Night-time Ice Particle Size (microns) 5ch_V01
Jan 2010
CERES Terra
GGEO
0
35
70
105
140
Frequency
0
10
20
30
40
NUM 694
GGEO 56.3
CERES 60.3
BIAS -3.92
BIAS% -6.51
R2 0.0001
SLP 0.015
OFF 59.44
RMS 20.6
RMS% 34.25


MTSAT-1 Terra Night-time Log Liquid Water Path (g/m2) 5ch_V01
Jan 2010
CERES Terra
GGEO
0
2
4
6
8
0
10
20
30
40
Frequency
NUM 674
GGEO 14.0
CERES 4.7
BIAS 9.28
BIAS% 196.09
R2 0.0074
SLP 0.008
OFF 4.63
RMS 17.6
RMS% 371.12


MTSAT-1 Terra Night-time Log Ice Water Path (g/m2) 5ch_V01
Jan 2010
CERES Terra
GGEO
0
2
4
6
8
0
10
20
30
40
Frequency
NUM 684
GGEO 9.1
CERES 4.8
BIAS 4.34
BIAS% 91.01
R2 0.0445
SLP 0.029
OFF 4.50
RMS 11.6
RMS% 242.63


MTSAT-1 Terra Night-time Emissivity 5ch_V01
Jan 2010
CERES Terra
1.00
0.75
0.50
0.25
0.00
0.00
0.25
0.50
0.75
1.00
GGEO
0
10
20
30
40
Frequency
NUM 1011
GGEO 0.9
CERES 0.8
BIAS 0.06
BIAS% 7.84
R2 0.0354
SLP 0.188
OFF 0.64
RMS 0.3
RMS% 32.07


MTSAT-1 Terra Night-time Skin Temperature (K) 5ch_V01
Jan 2010
340
315
290
265
240
CERES Terra
GGEO has no valid data
240
265
290
315
340
GGEO
NUM 20
GGEO 0.0
CERES 0.0
BIAS 0.00
BIAS% -NaN
R2 -NaN
SLP -NaN
OFF -NaN
RMS 0.0
RMS% -NaN