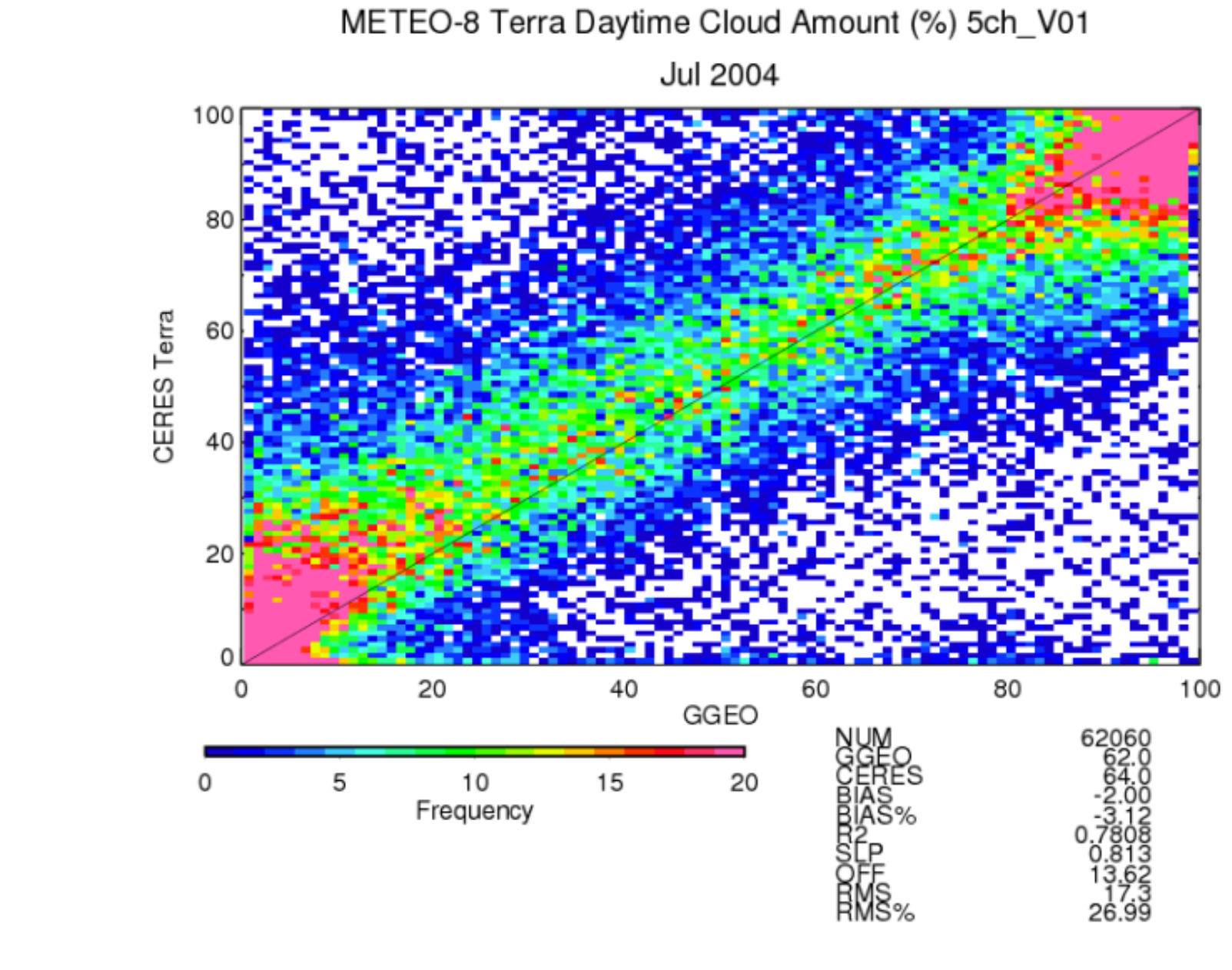
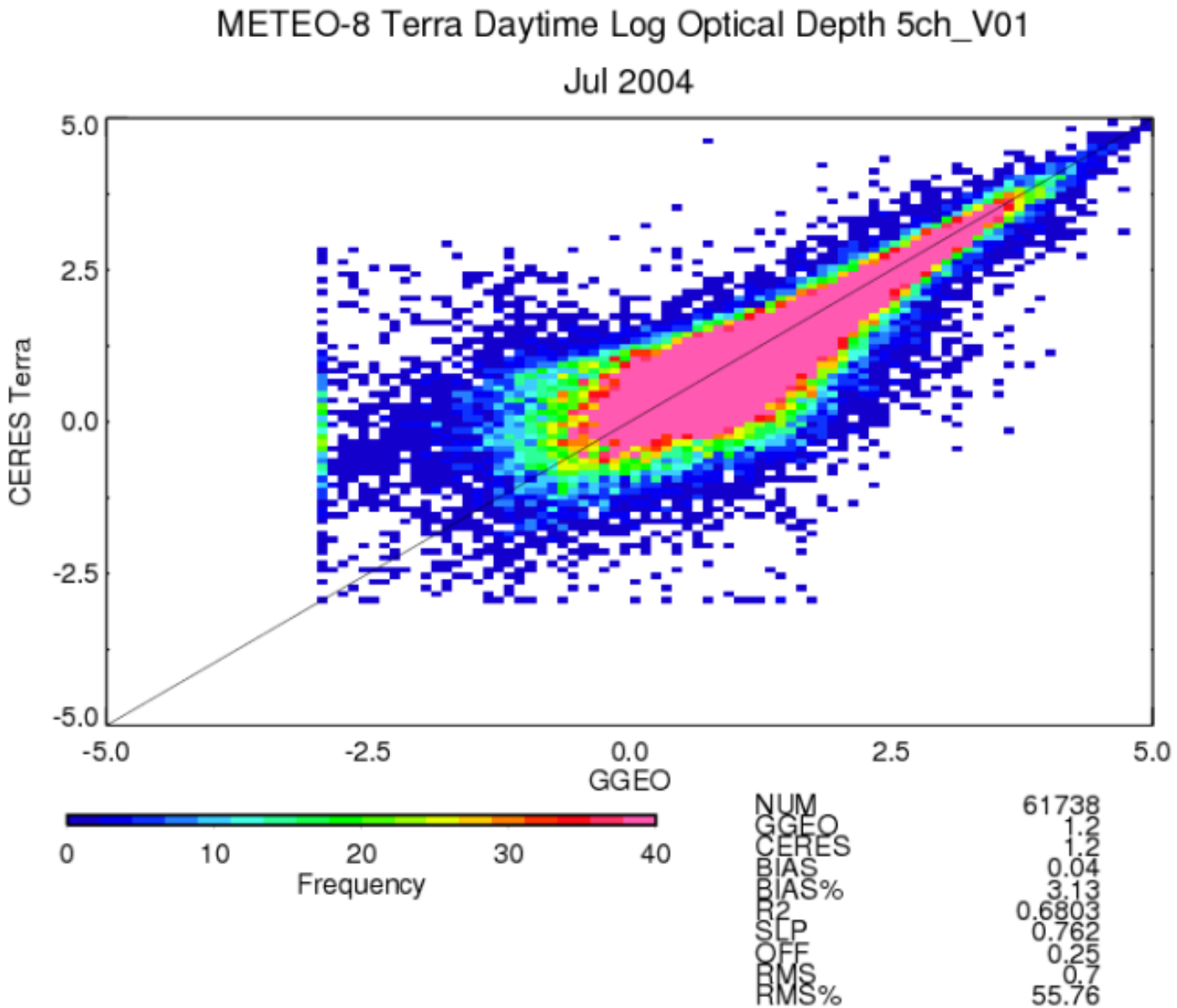
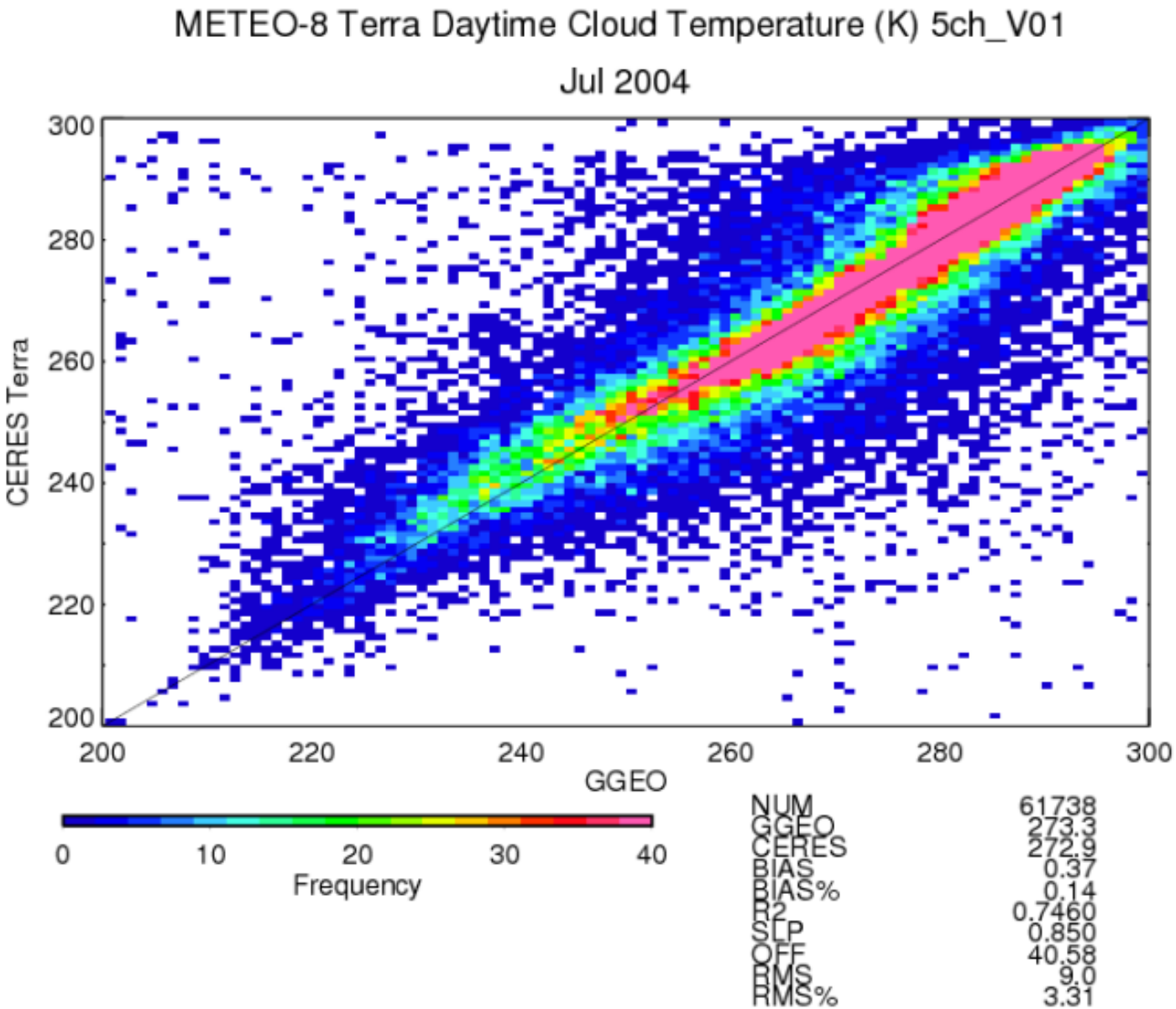
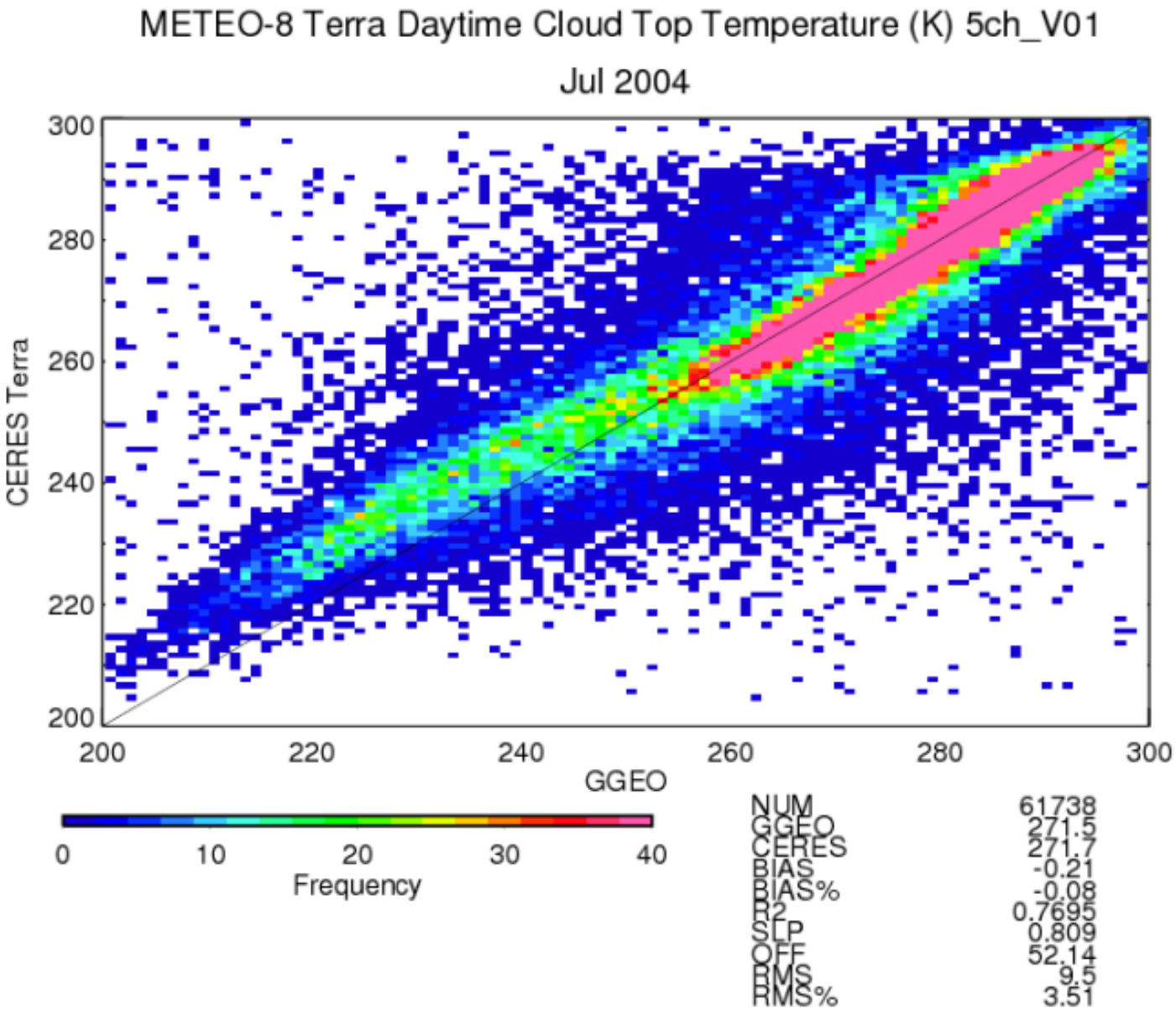
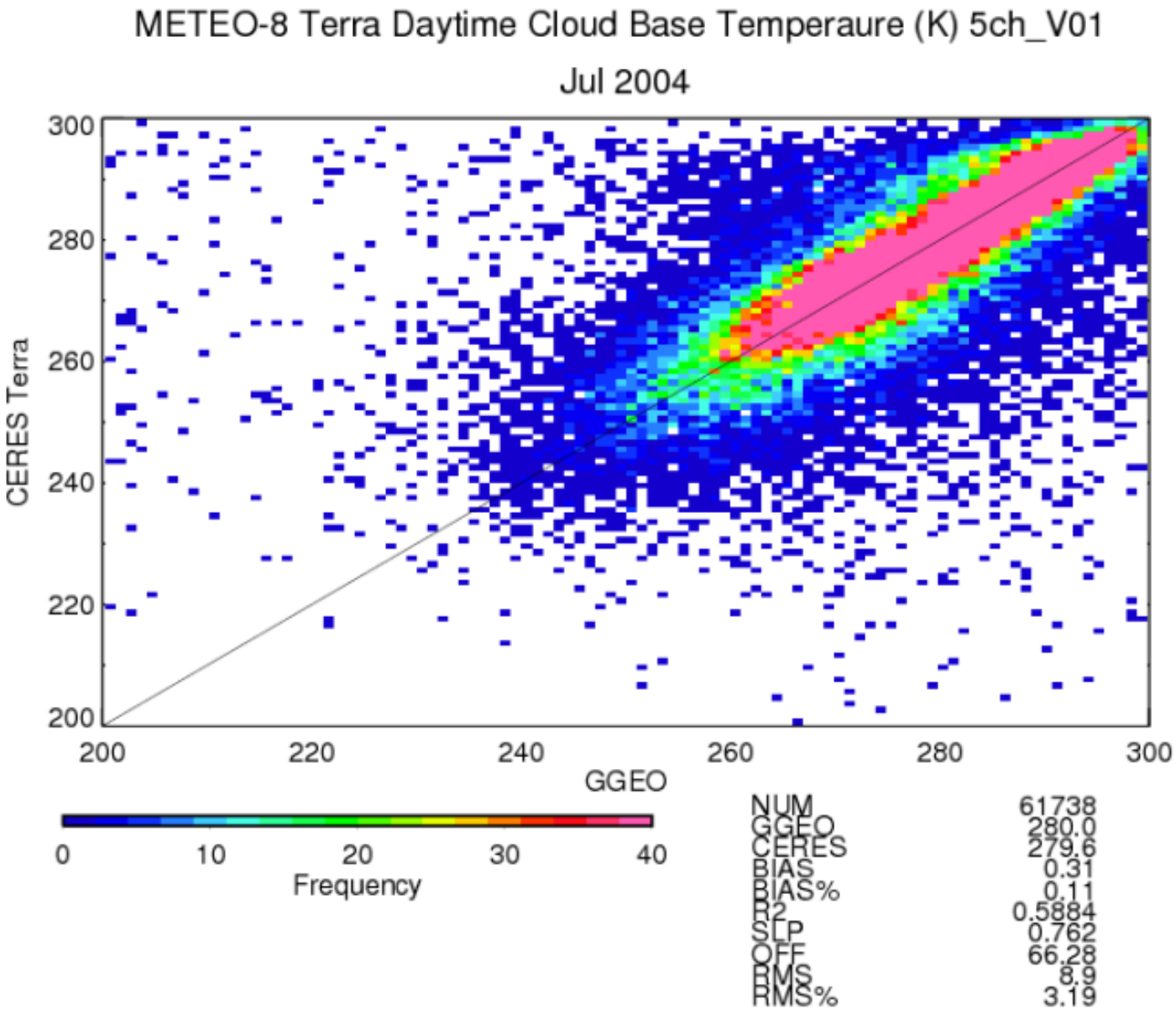
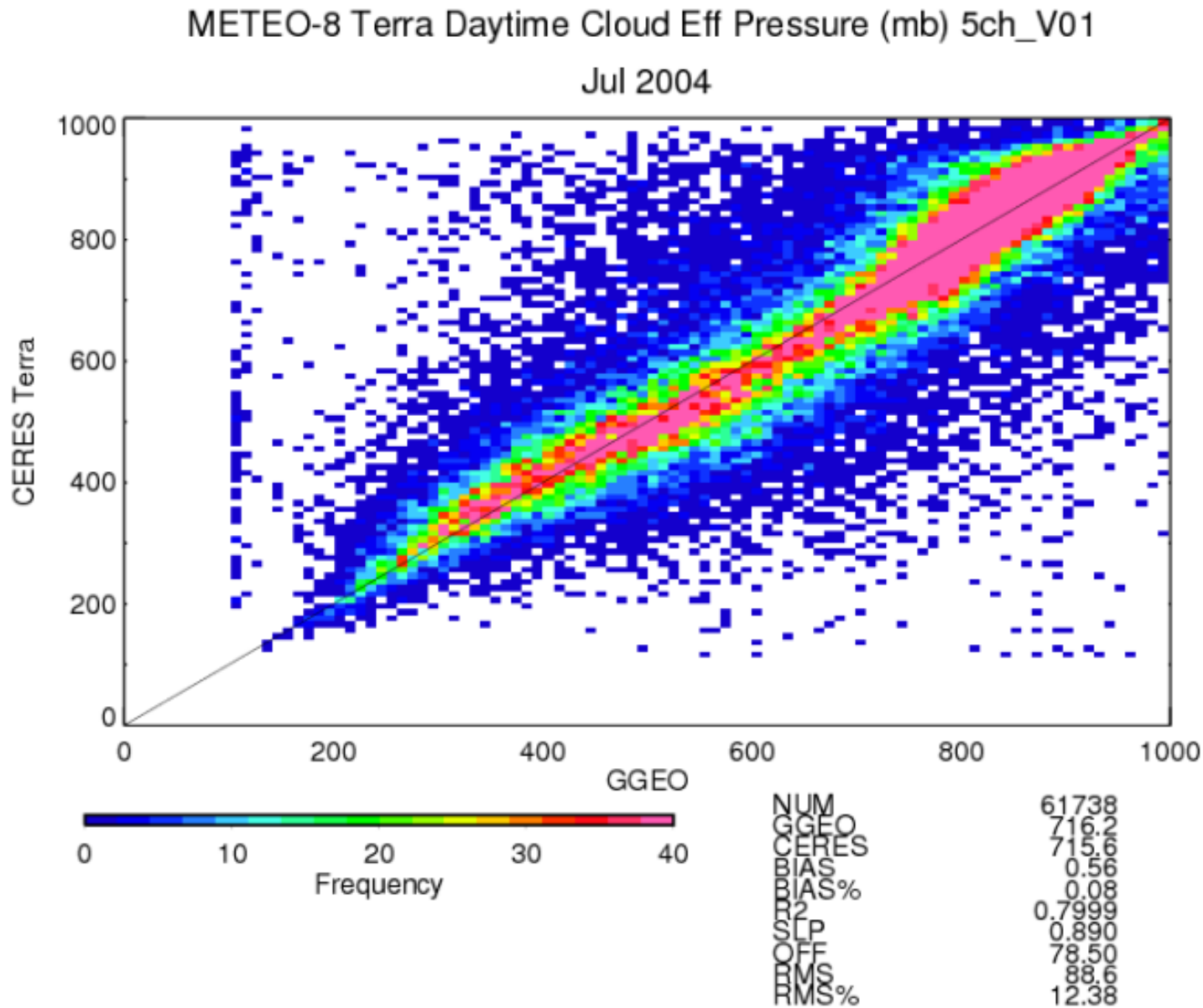

METEO-8 Terra Daytime Cloud Amount (%) 5ch_V01
Jul 2004
CERES Terra
GGEO
Frequency
0
5
10
15
20
0
20
40
60
80
100
NUM 62060
GGEO 62.0
CERES 64.0
BIAS -2.00
BIAS% -3.12
R2 0.7808
SLP 0.813
OFF 13.62
RMS 17.3
RMS% 26.99

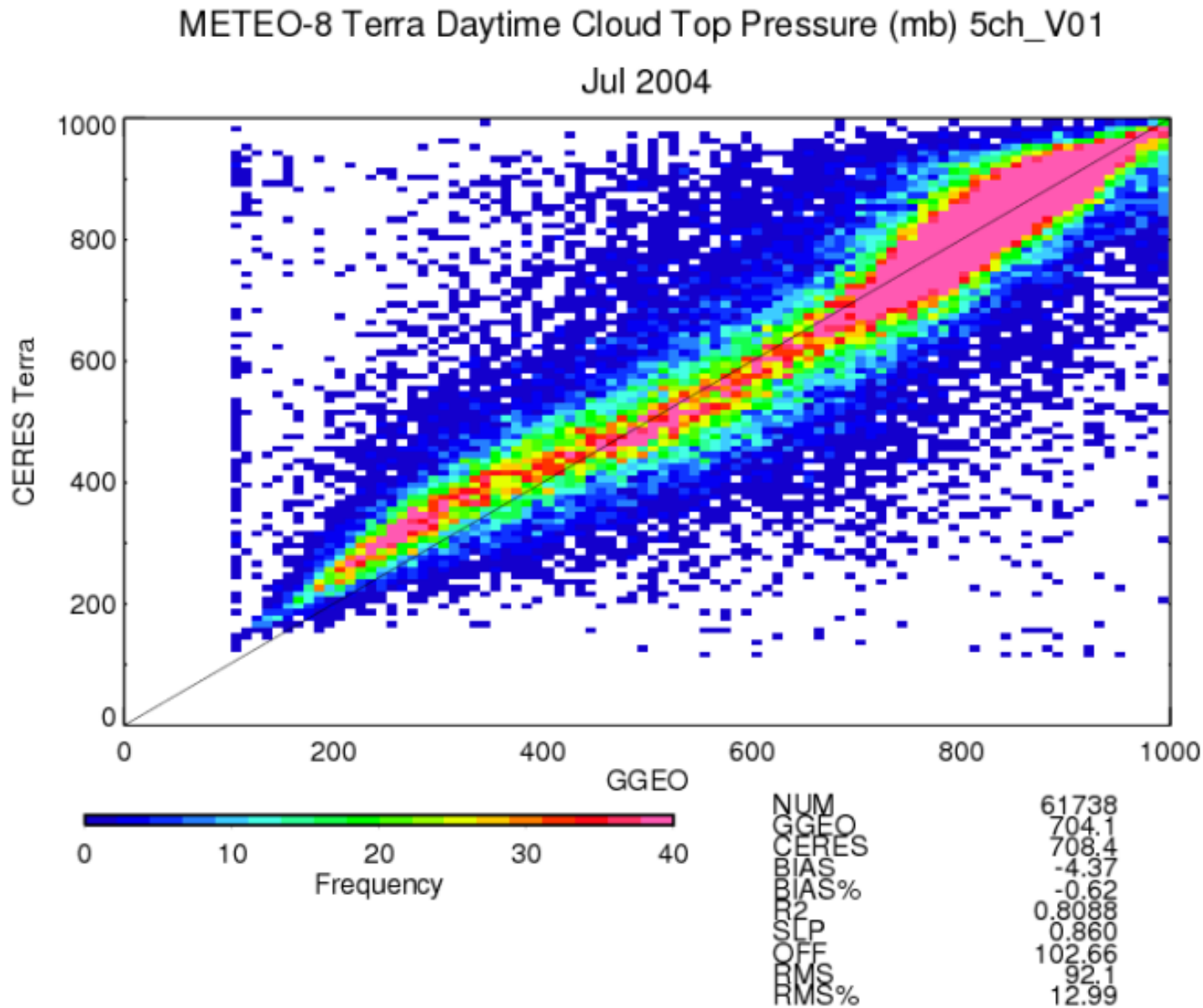

METEO-8 Terra Daytime Log Optical Depth 5ch_V01
Jul 2004
CERES Terra
5.0
2.5
0.0
-2.5
-5.0
-5.0
-2.5
0.0
2.5
5.0
GGEO
0
10
20
30
40
Frequency
NUM 61738
GGEO 1.2
CERES 1.2
BIAS 0.04
BIAS% 3.13
R2 0.6803
SLP 0.762
OFF 0.25
RMS 0.7
RMS% 55.76

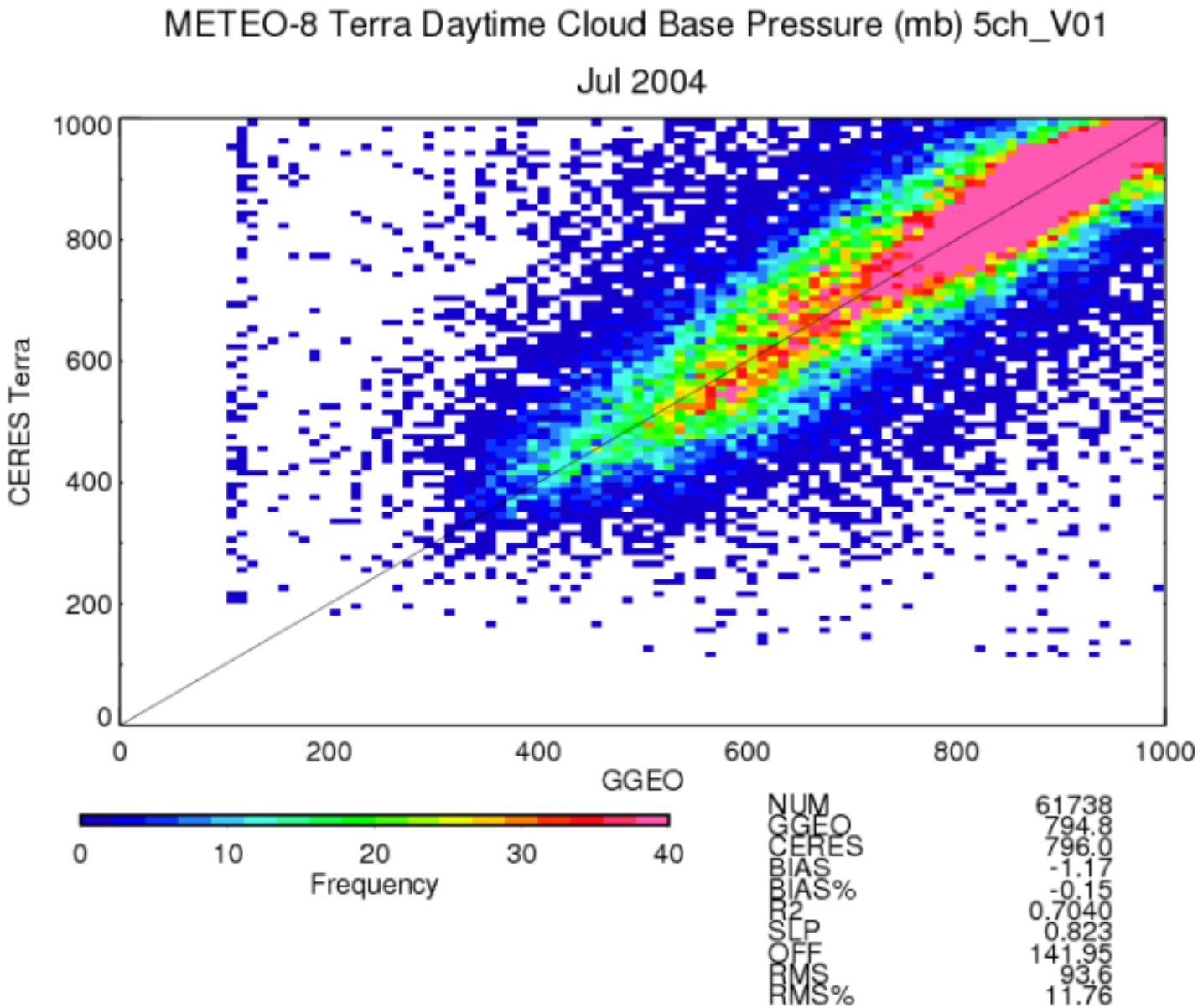

METEO-8 Terra Daytime Cloud Temperature (K) 5ch_V01
Jul 2004
CERES Terra
300
280
260
240
220
200
200
220
240
260
280
300
GGEO
0
10
20
30
40
Frequency
NUM 61738
GGEO 273.3
CERES 272.9
BIAS 0.37
BIAS% 0.14
R2 0.7460
SLP 0.850
OFF 40.58
RMS 9.0
RMS% 3.31

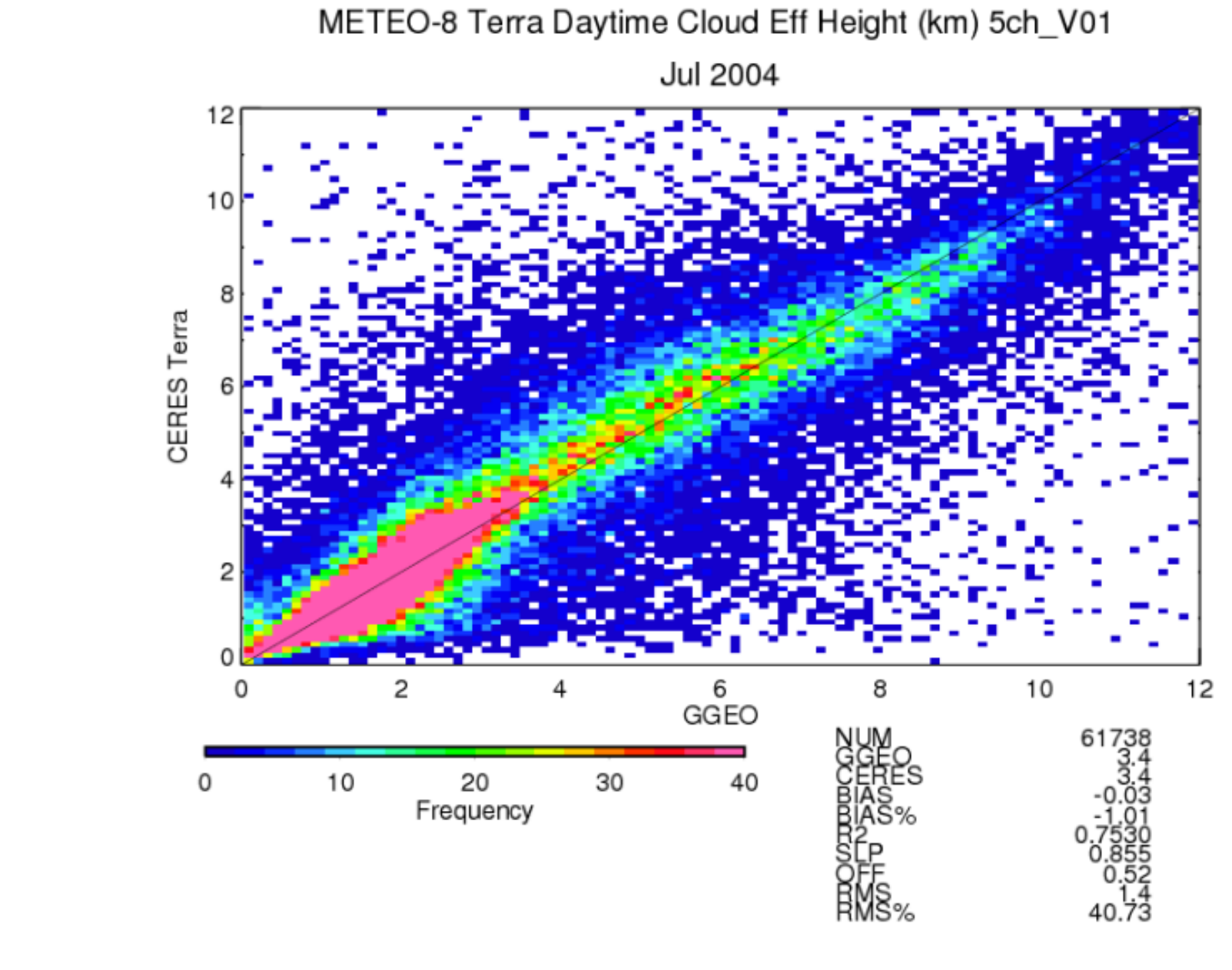

METEO-8 Terra Daytime Cloud Top Temperature (K) 5ch_V01
Jul 2004
CERES Terra
GGEO
Frequency
0
10
20
30
40
200
220
240
260
280
300
NUM 61738
GGEO 271.5
CERES 271.7
BIAS -0.21
BIAS% -0.08
R2 0.7695
SLP 0.809
OFF 52.14
RMS 9.5
RMS% 3.51

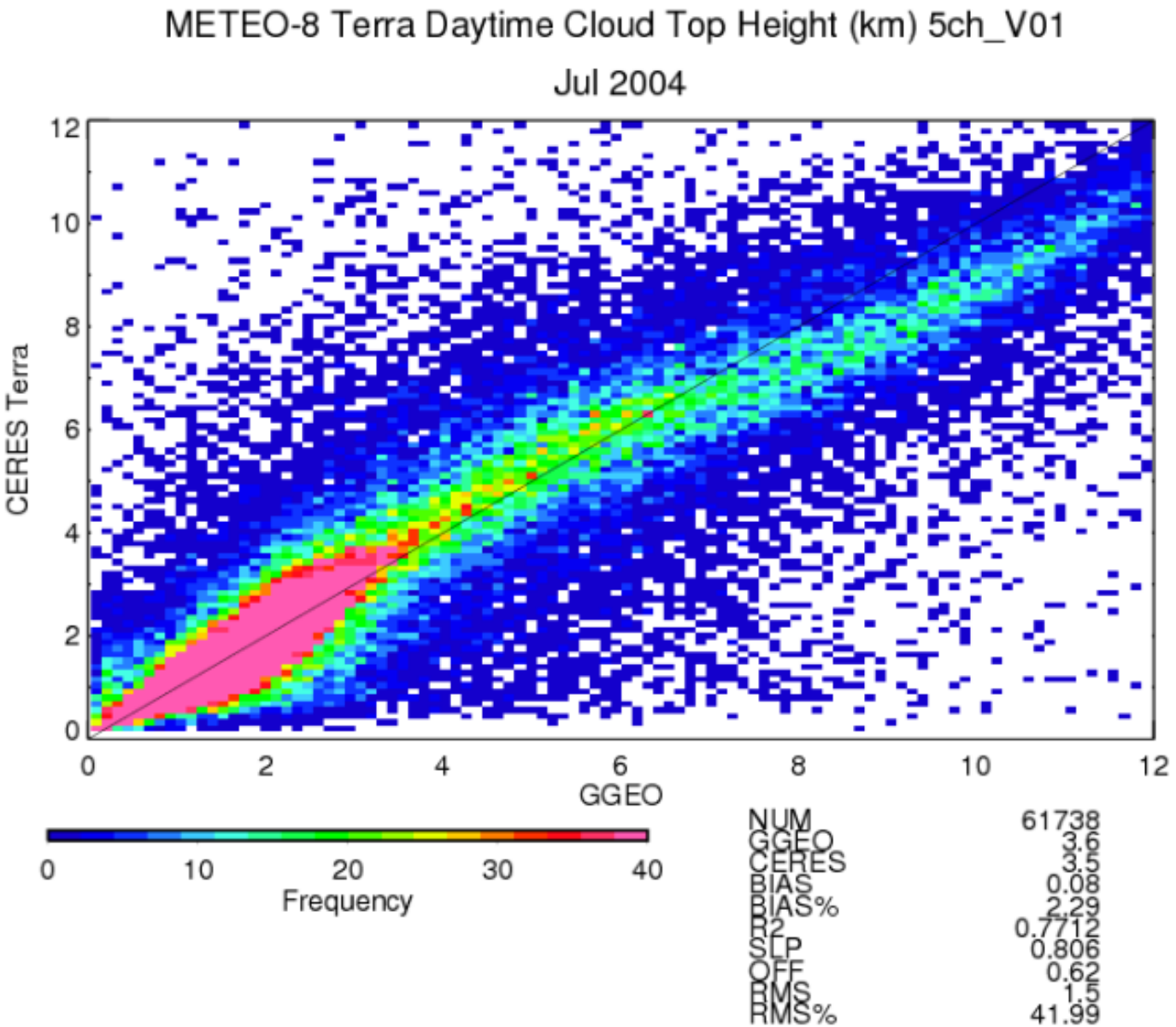

METEO-8 Terra Daytime Cloud Base Temperaure (K) 5ch_V01
Jul 2004
CERES Terra
300
280
260
240
220
200
200
220
240
260
280
300
GGEO
0
10
20
30
40
Frequency
NUM 61738
GGEO 280.0
CERES 279.6
BIAS 0.31
BIAS% 0.11
R2 0.5884
SLP 0.762
OFF 66.28
RMS 8.9
RMS% 3.19

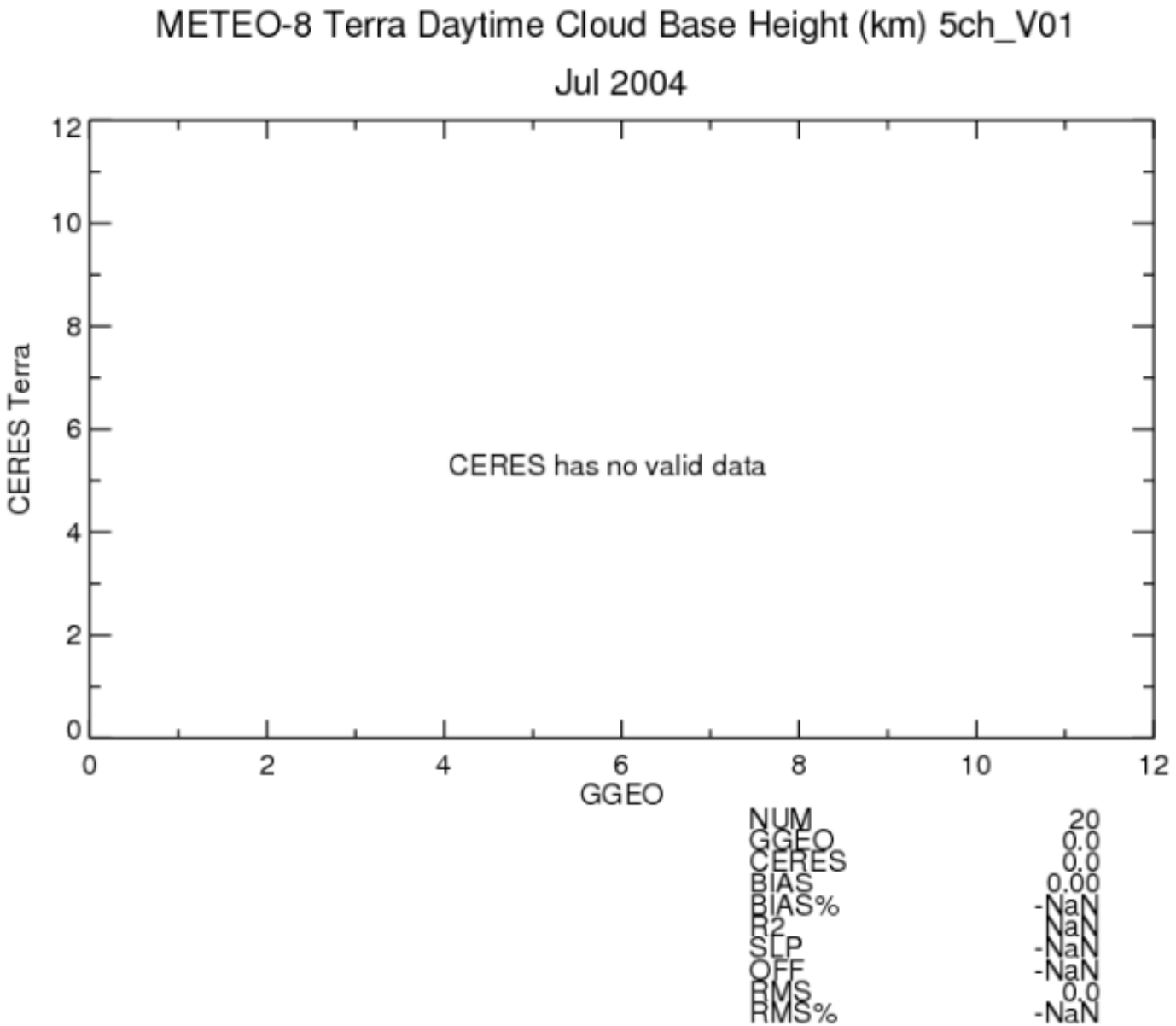

METEO-8 Terra Daytime Cloud Eff Pressure (mb) 5ch_V01
Jul 2004
CERES Terra
GGEO
0
200
400
600
800
1000
0
10
20
30
40
Frequency
NUM 61738
GGEO 716.2
CERES 715.6
BIAS 0.56
BIAS% 0.08
R2 0.7999
SLP 0.890
OFF 78.50
RMS 88.6
RMS% 12.38

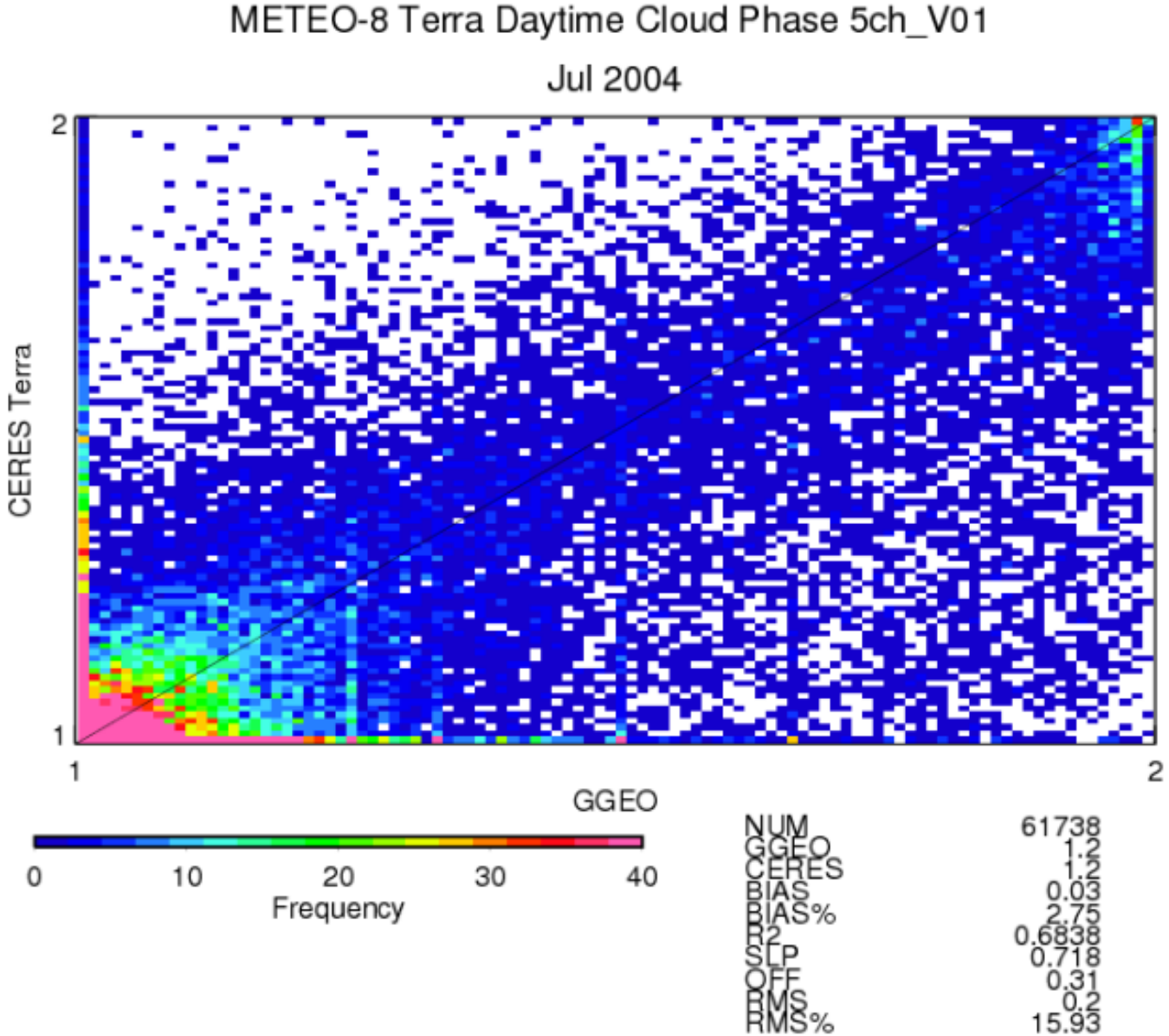

METEO-8 Terra Daytime Cloud Top Pressure (mb) 5ch_V01
Jul 2004
CERES Terra
GGEO
0
200
400
600
800
1000
Frequency
0
10
20
30
40
NUM 61738
GGEO 704.1
CERES 708.4
BIAS -4.37
BIAS% -0.62
R2 0.8088
SLP 0.860
OFF 102.66
RMS 92.1
RMS% 12.99

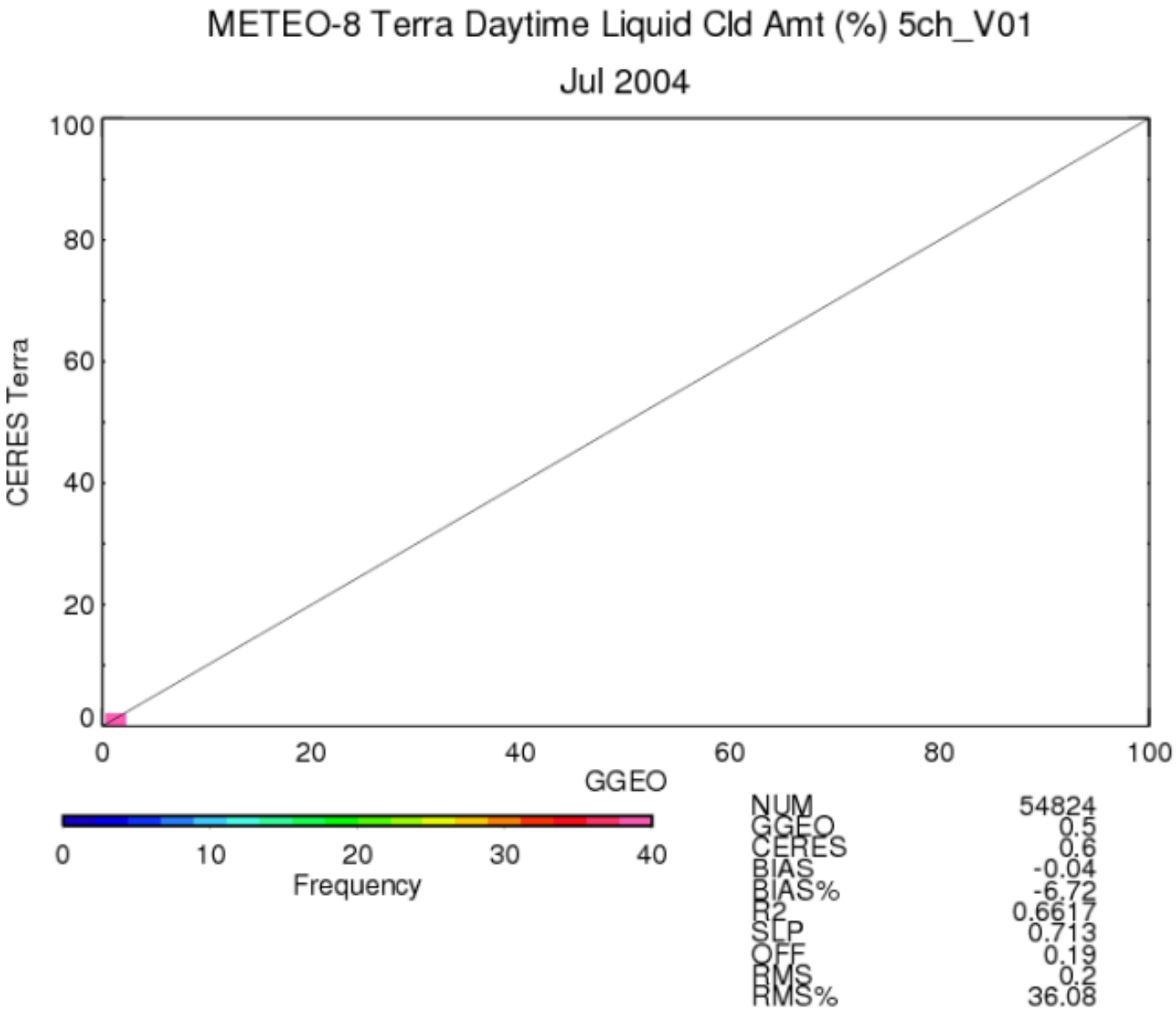

METEO-8 Terra Daytime Cloud Base Pressure (mb) 5ch_V01
Jul 2004
CERES Terra
GGEO
0
200
400
600
800
1000
Frequency
0
10
20
30
40
NUM 61738
GGEO 794.8
CERES 796.0
BIAS -1.17
BIAS% -0.15
R2 0.7040
SLP 0.823
OFF 141.95
RMS 93.6
RMS% 11.76

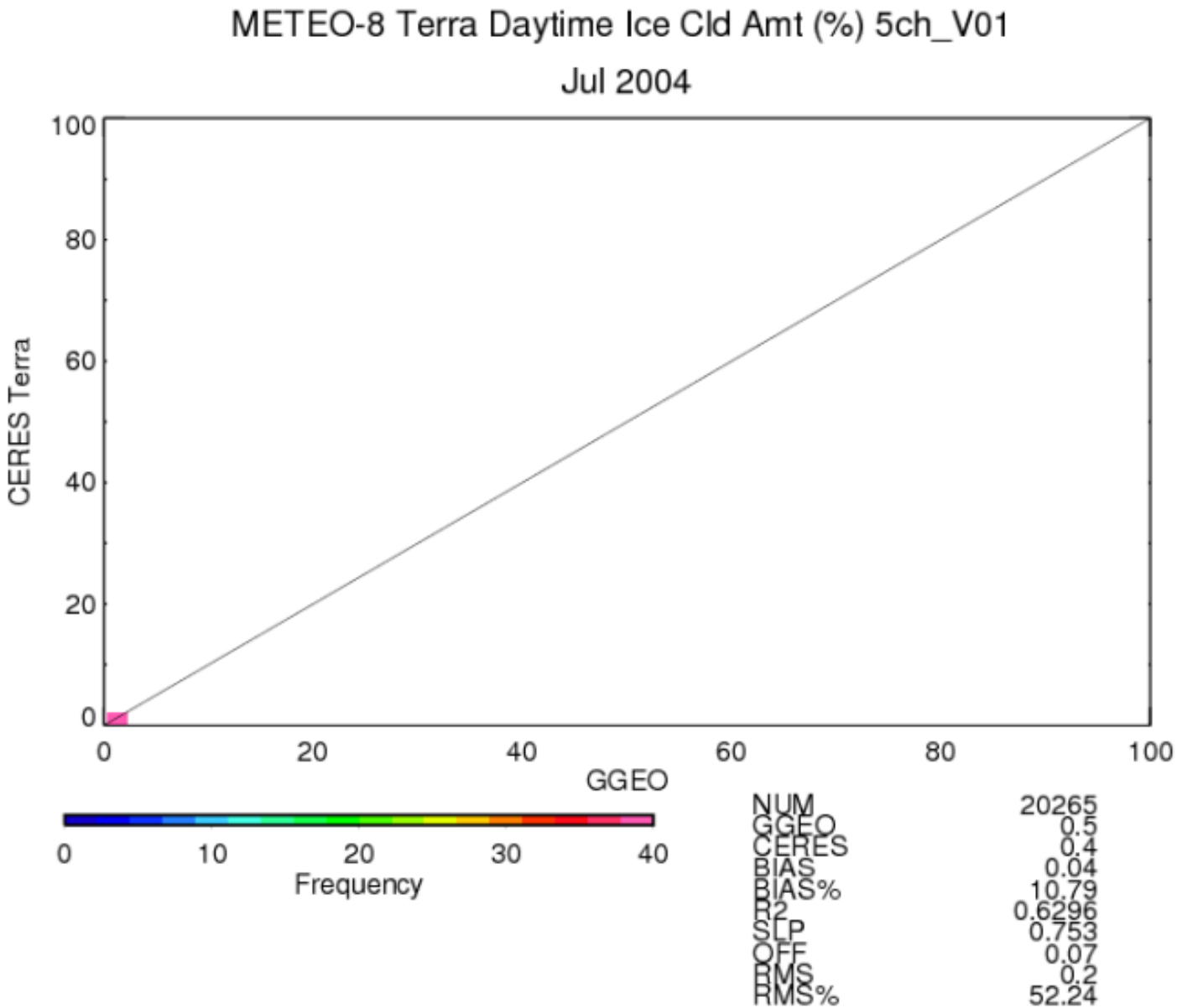

METEO-8 Terra Daytime Cloud Eff Height (km) 5ch_V01
Jul 2004
CERES Terra
GGEO
Frequency
0
2
4
6
8
10
12
0
10
20
30
40
NUM 61738
GGEO 3.4
CERES 3.4
BIAS -0.03
BIAS% -1.01
R2 0.7530
SLP 0.855
OFF 0.52
RMS 1.4
RMS% 40.73

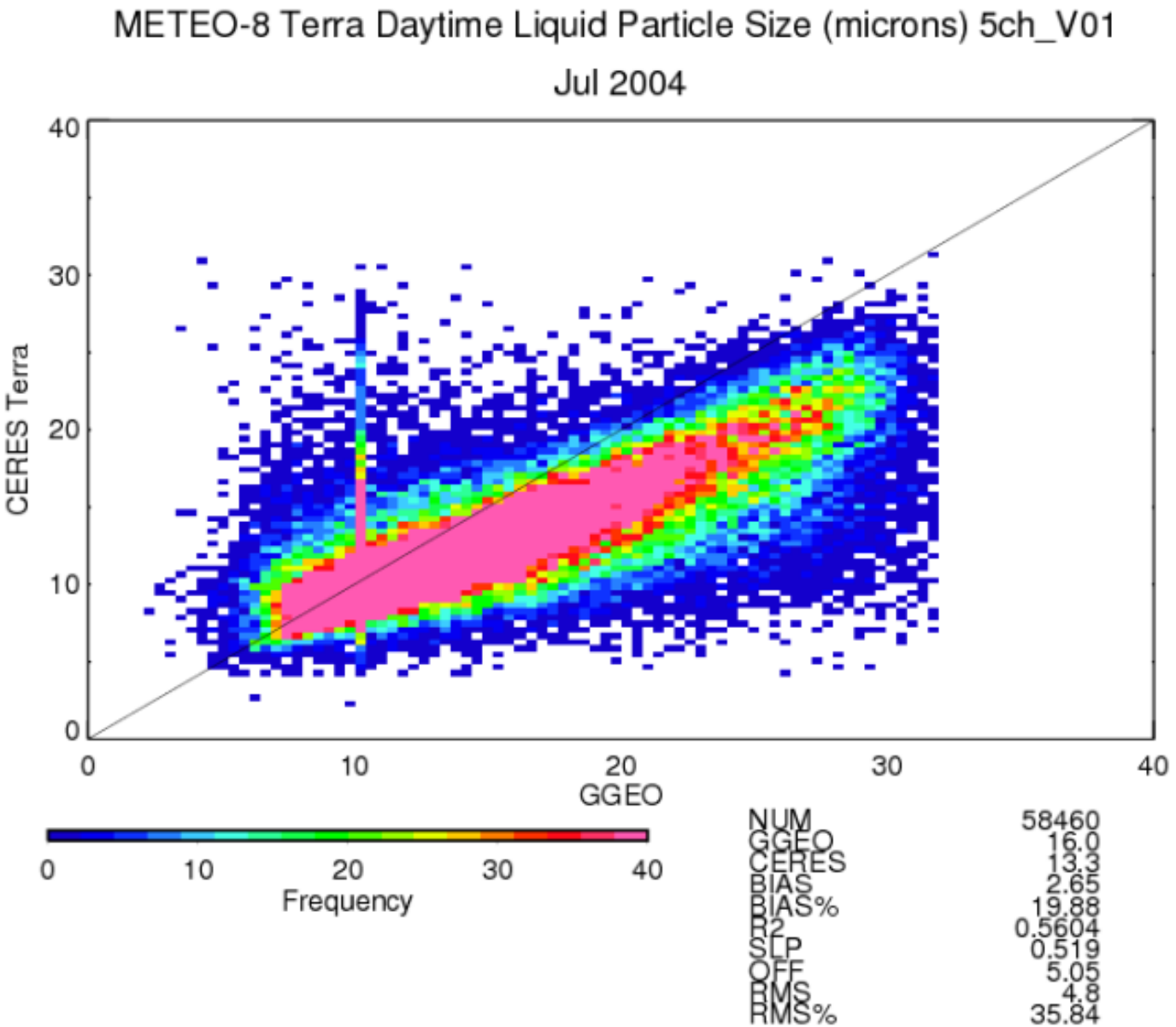

METEO-8 Terra Daytime Cloud Top Height (km) 5ch_V01
Jul 2004
CERES Terra
GGEO
Frequency
0
2
4
6
8
10
12
0
10
20
30
40
NUM 61738
GGEO 3.6
CERES 3.5
BIAS 0.08
BIAS% 2.29
R2 0.7712
SLP 0.806
OFF 0.62
RMS 1.5
RMS% 41.99

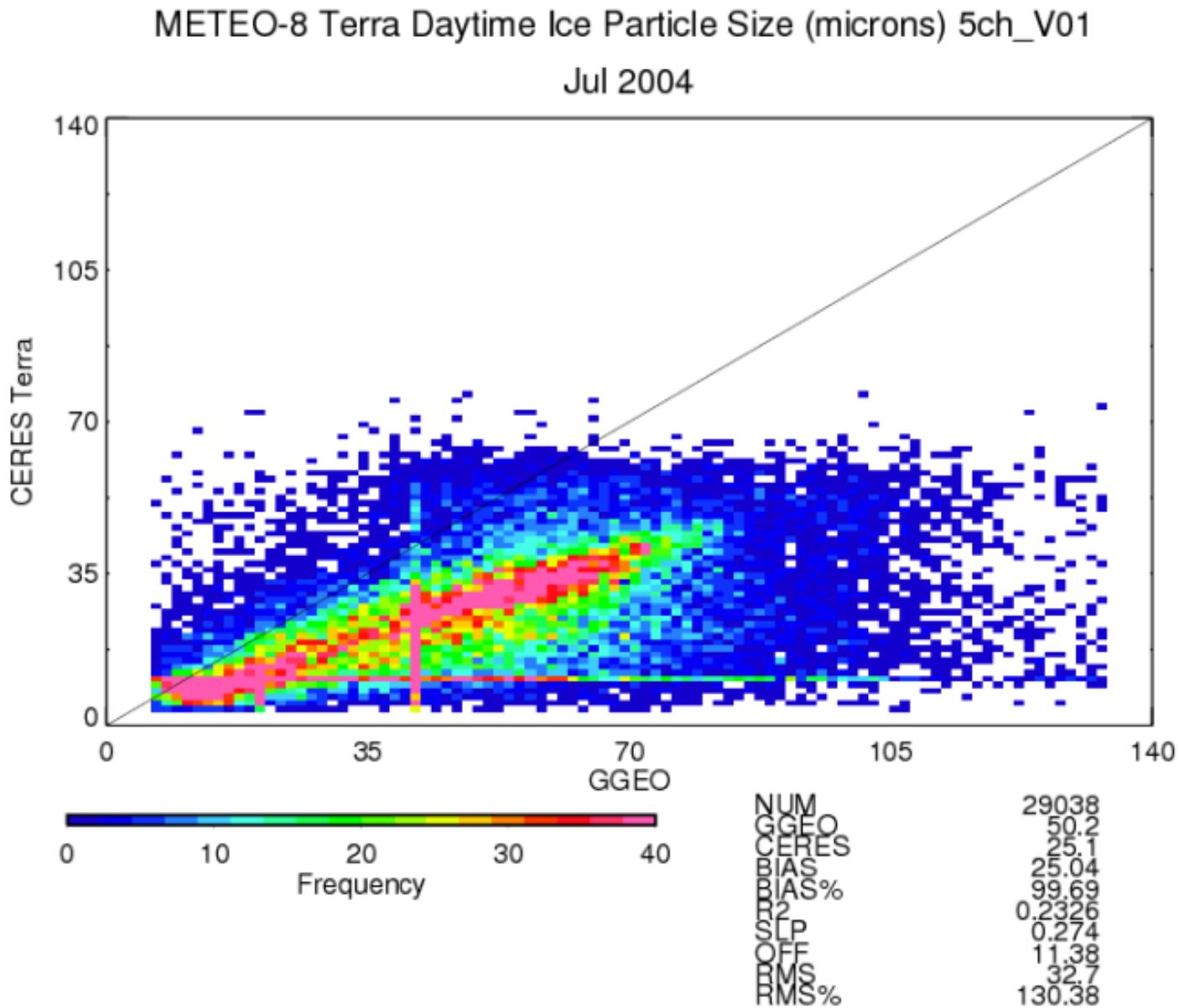

METEO-8 Terra Daytime Cloud Base Height (km) 5ch_V01
Jul 2004
CERES Terra
GGEO
CERES has no valid data
0
2
4
6
8
10
12
NUM 20
GGEO 0.0
CERES 0.0
BIAS 0.00
BIAS% -NaN
R2 NaN
SLP -NaN
OFF -NaN
RMS 0.0
RMS% -NaN

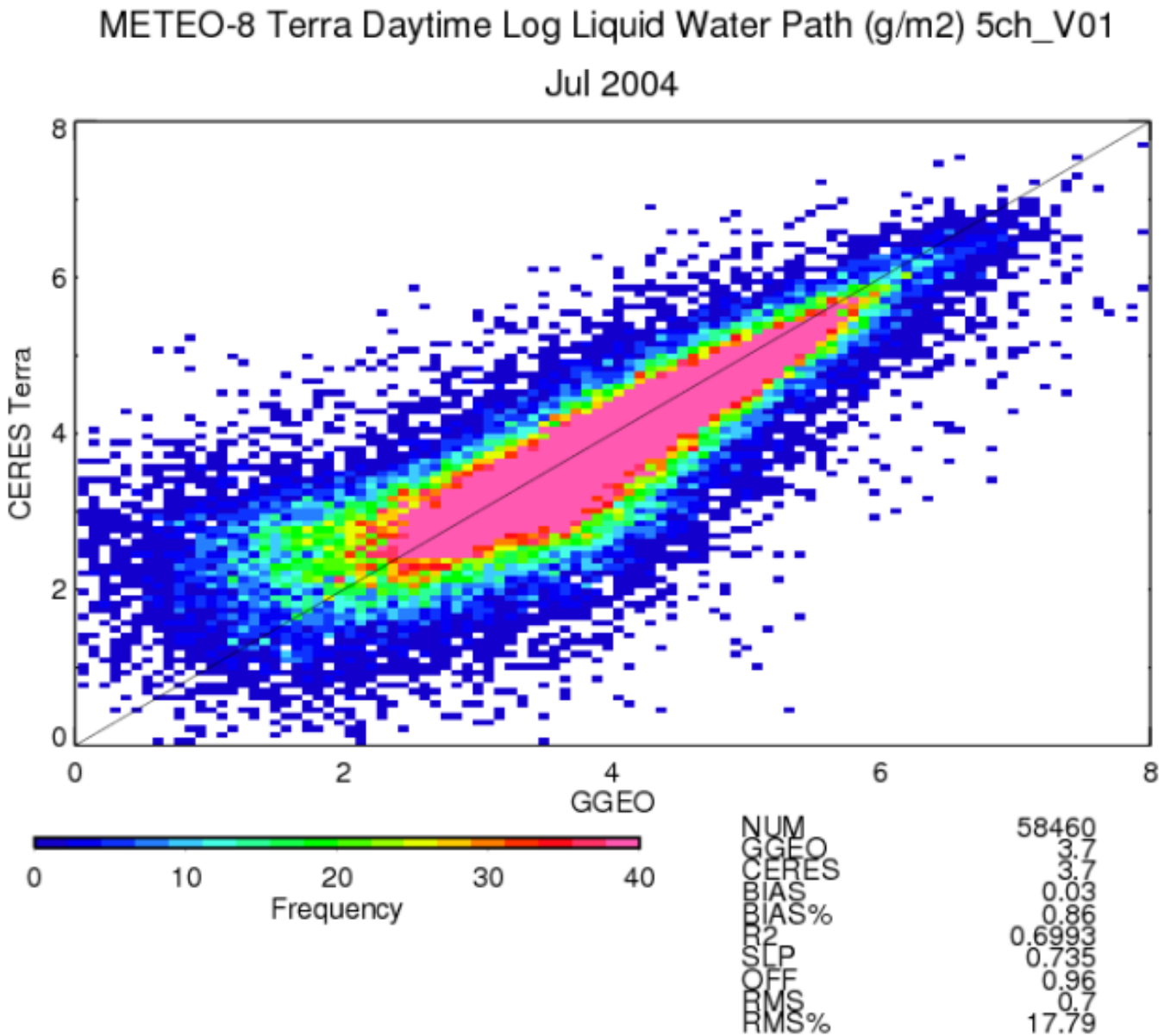

METEO-8 Terra Daytime Cloud Phase 5ch_V01
Jul 2004
CERES Terra
2
1
1
2
GGEO
0
10
20
30
40
Frequency
NUM 61738
GGEO 1.2
CERES 1.2
BIAS 0.03
BIAS% 2.75
R2 0.6838
SLP 0.718
OFF 0.31
RMS 0.2
RMS% 15.93

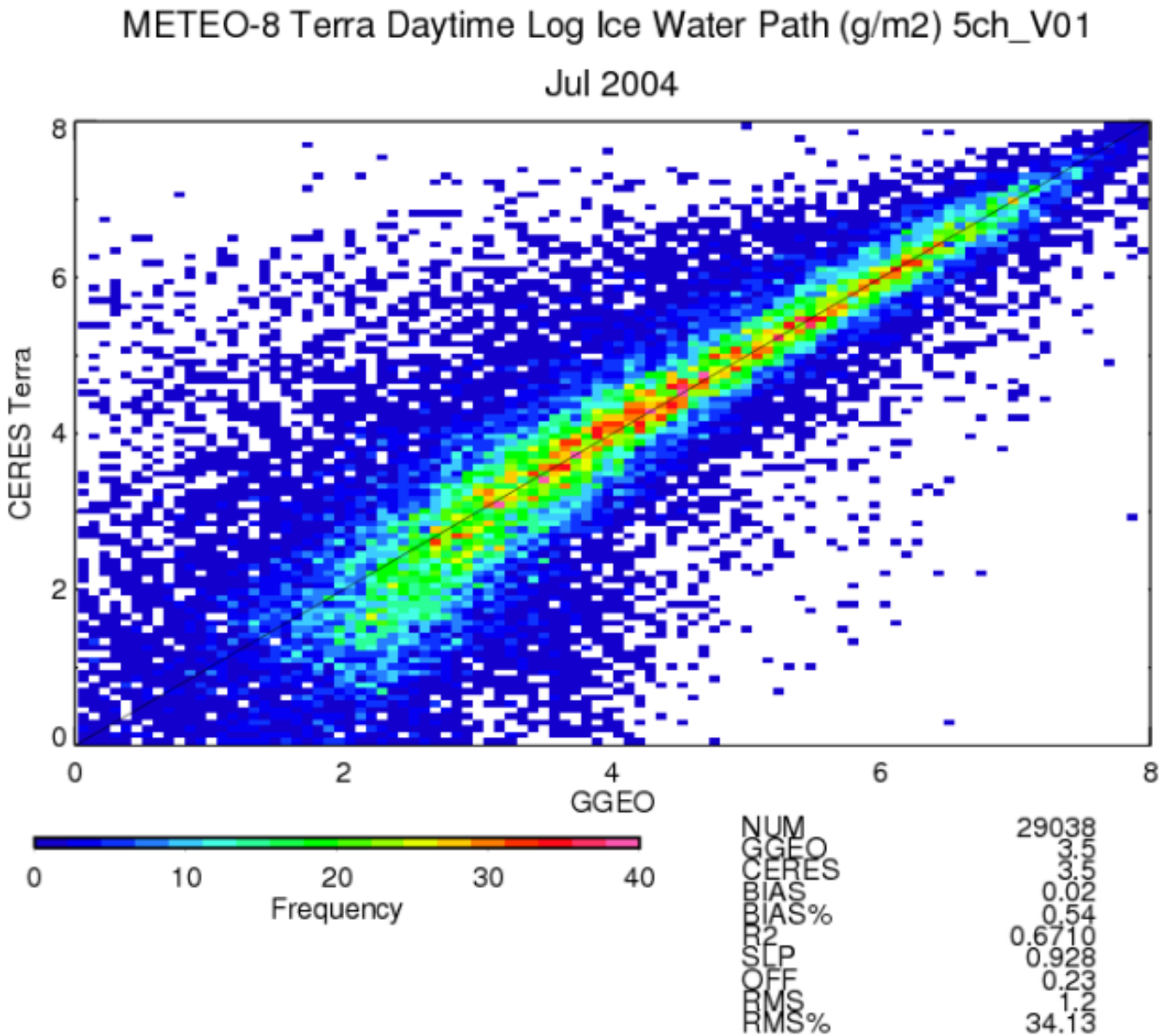

METEO-8 Terra Daytime Liquid Cld Amt (%) 5ch_V01
Jul 2004
CERES Terra
GGEO
0
20
40
60
80
100
Frequency
0
10
20
30
40
NUM 54824
GGEO 0.5
CERES 0.6
BIAS -0.04
BIAS% -6.72
R2 0.6617
SLP 0.713
OFF 0.19
RMS 0.2
RMS% 36.08

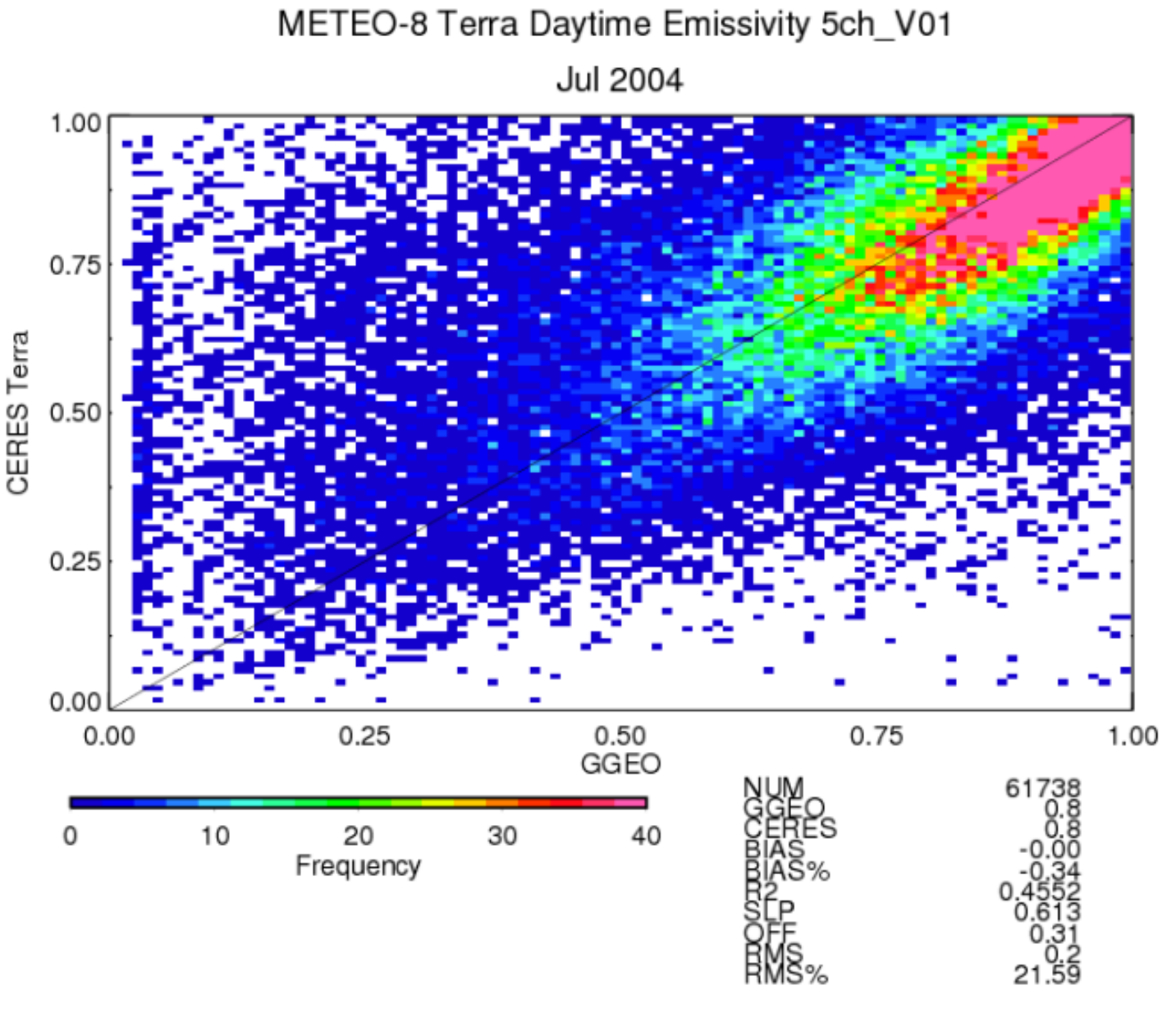

METEO-8 Terra Daytime Ice Cld Amt (%) 5ch_V01
Jul 2004
CERES Terra
100
80
60
40
20
0
0
20
40
60
80
100
GGEO
0
10
20
30
40
Frequency
NUM 20265
GGEO 0.5
CERES 0.4
BIAS 0.04
BIAS% 10.79
R2 0.6296
SLP 0.753
OFF 0.07
RMS 0.2
RMS% 52.24

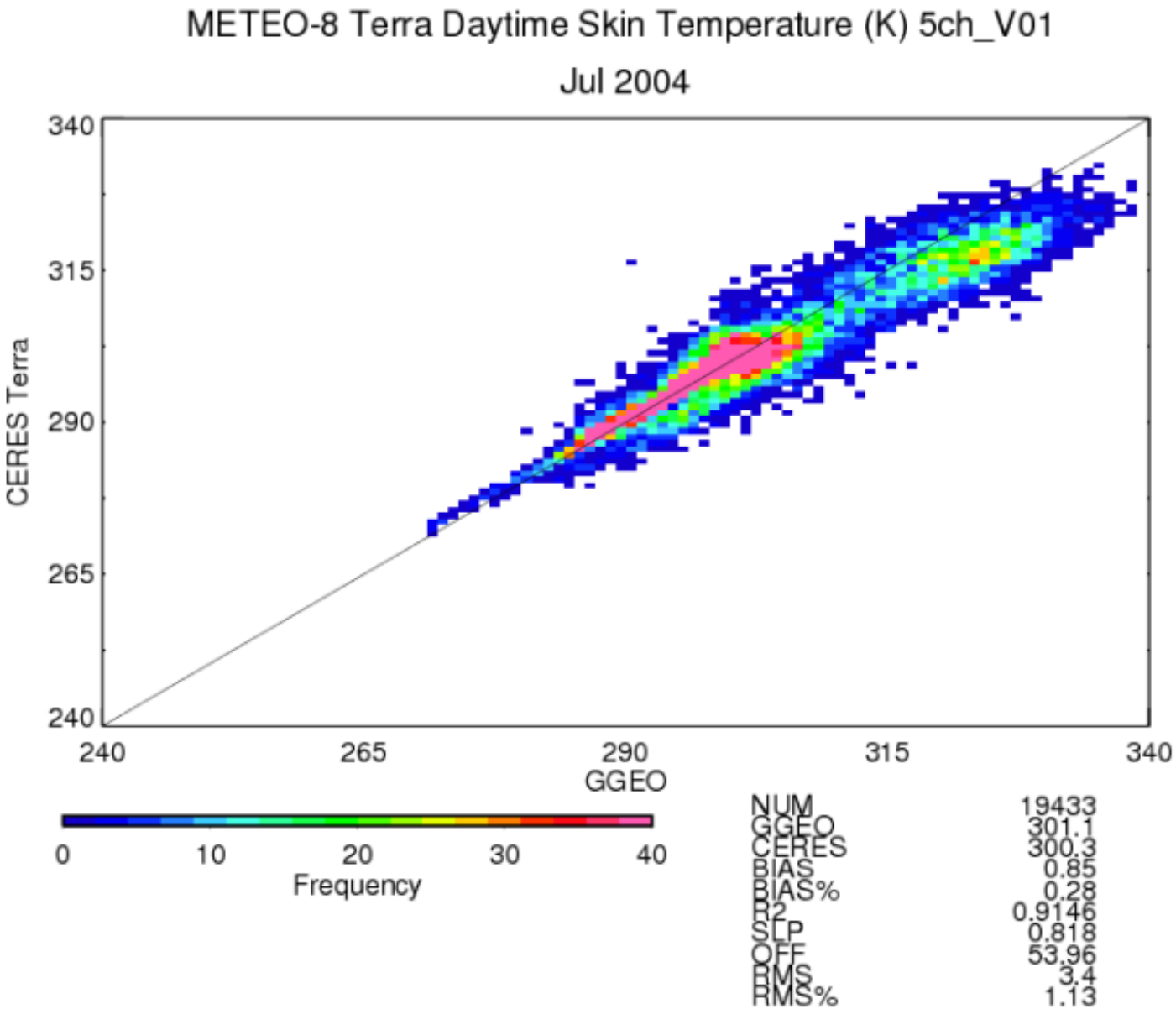

METEO-8 Terra Daytime Liquid Particle Size (microns) 5ch_V01
Jul 2004
CERES Terra
GGEO
Frequency
0
10
20
30
40
NUM 58460
GGEO 16.0
CERES 13.3
BIAS 2.65
BIAS% 19.88
R2 0.5604
SLP 0.519
OFF 5.05
RMS 4.8
RMS% 35.84

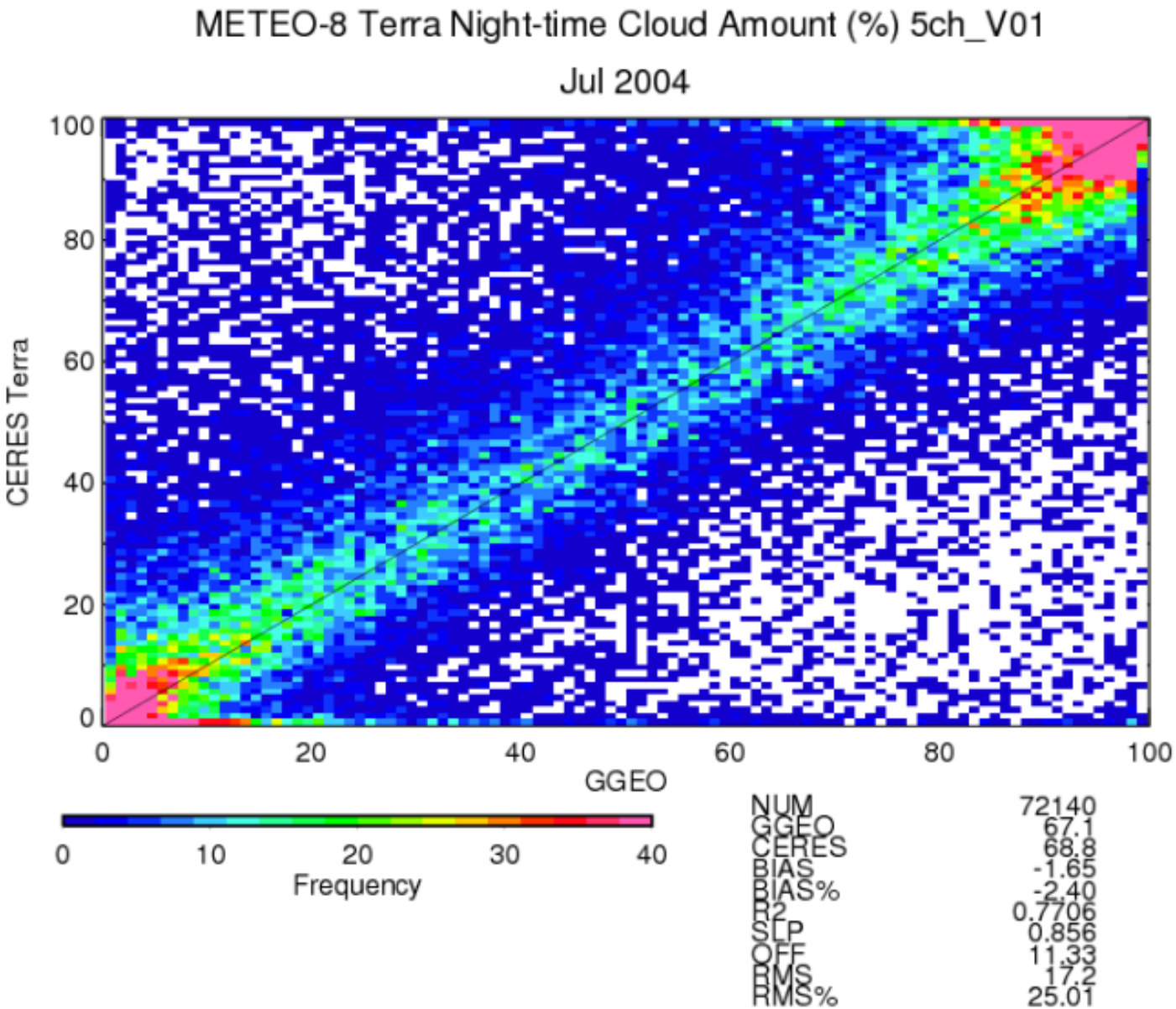

METEO-8 Terra Daytime Ice Particle Size (microns) 5ch_V01
Jul 2004
CERES Terra
GGEO
0
35
70
105
140
Frequency
0
10
20
30
40
NUM 29038
GGEO 50.2
CERES 25.1
BIAS 25.04
BIAS% 99.69
R2 0.2326
SLP 0.274
OFF 11.38
RMS 32.7
RMS% 130.38

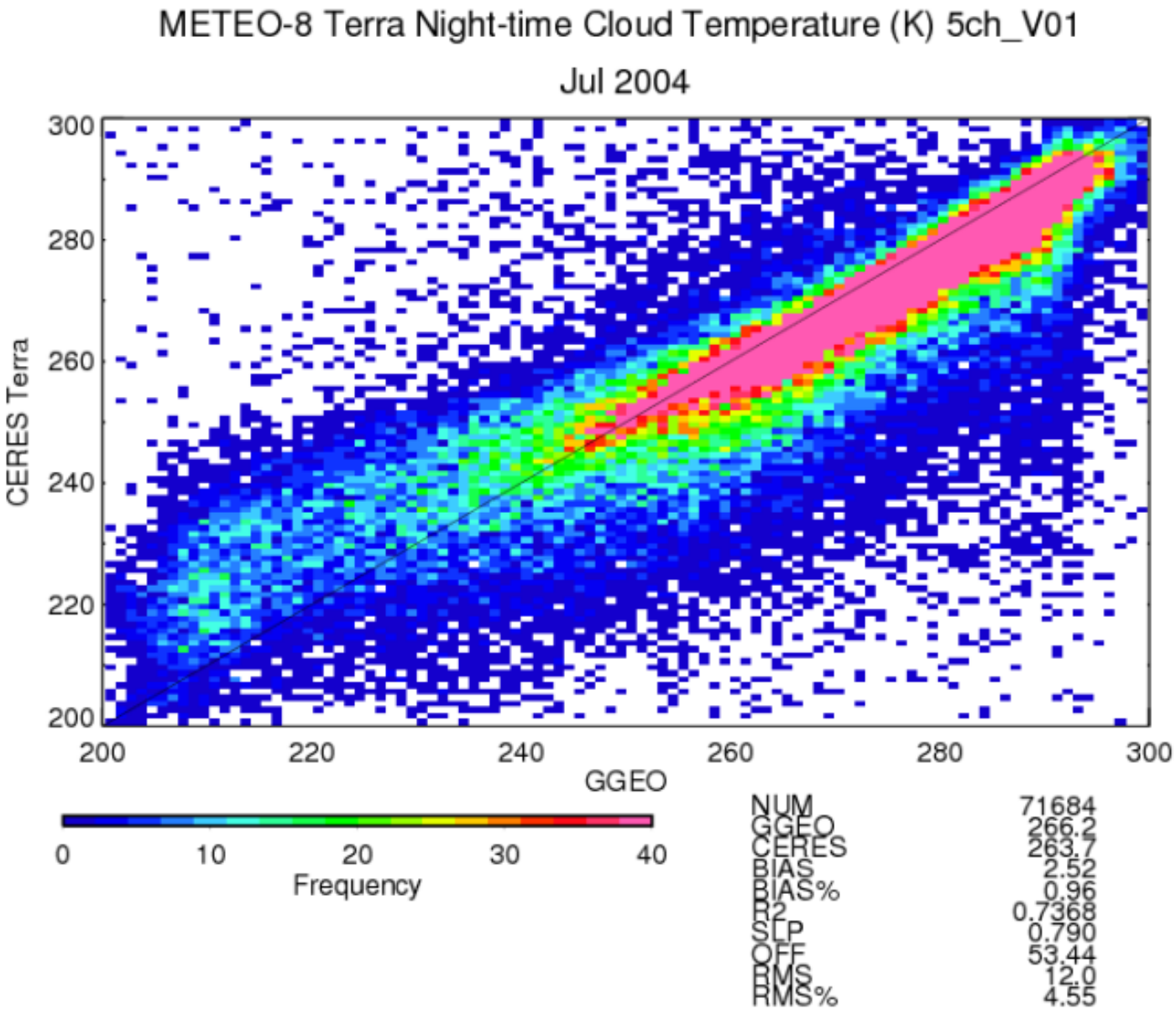

METEO-8 Terra Daytime Log Liquid Water Path (g/m2) 5ch_V01
Jul 2004
CERES Terra
GGEO
0
2
4
6
8
0
10
20
30
40
Frequency
NUM 58460
GGEO 3.7
CERES 3.7
BIAS 0.03
BIAS% 0.86
R2 0.6993
SLP 0.735
OFF 0.96
RMS 0.7
RMS% 17.79

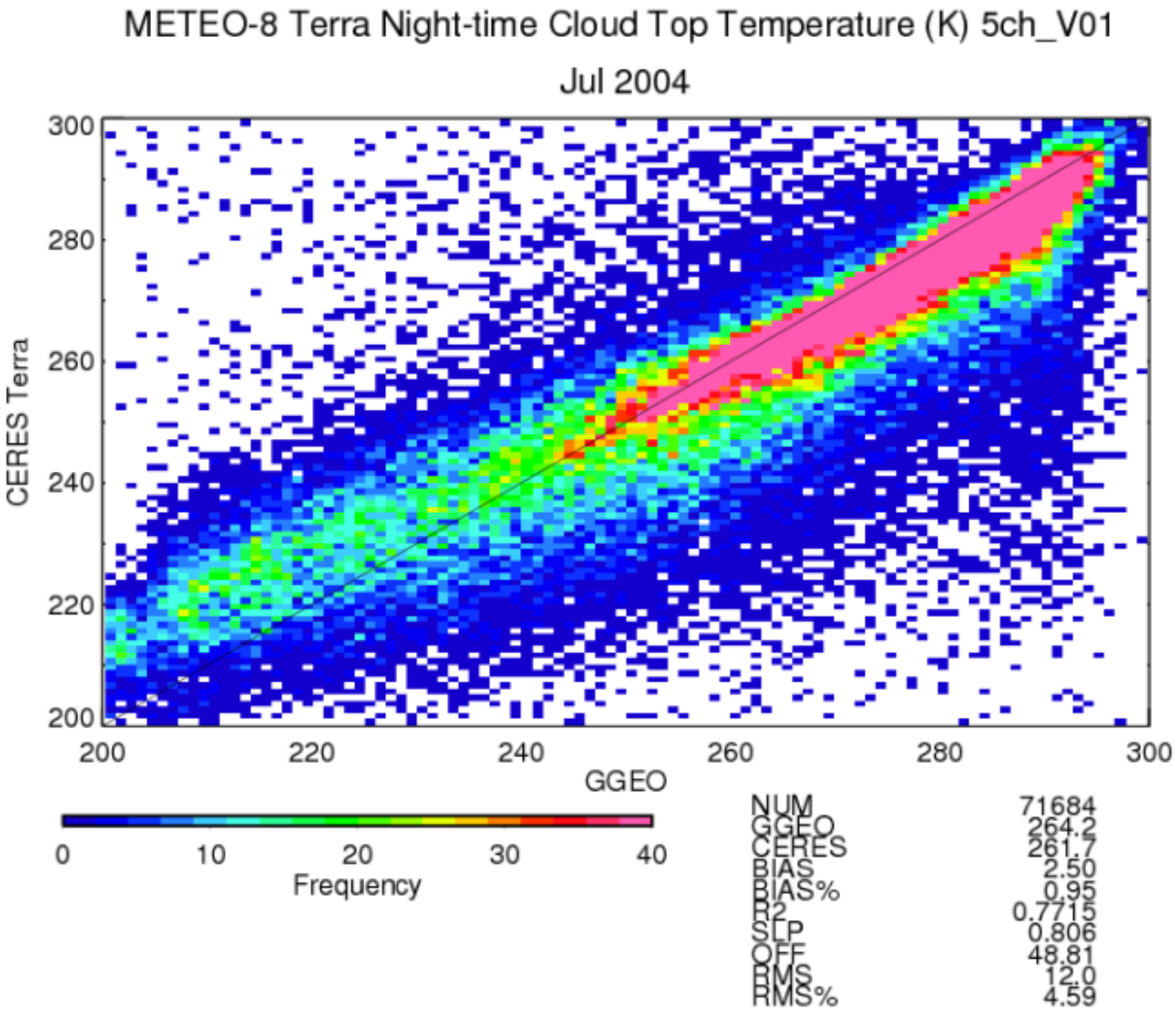

METEO-8 Terra Daytime Log Ice Water Path (g/m2) 5ch_V01
Jul 2004
CERES Terra
GGEO
Frequency
0
10
20
30
40
0
2
4
6
8
NUM 29038
GGEO 3.5
CERES 3.5
BIAS 0.02
BIAS% 0.54
R2 0.6710
SLP 0.928
OFF 0.23
RMS 1.2
RMS% 34.13

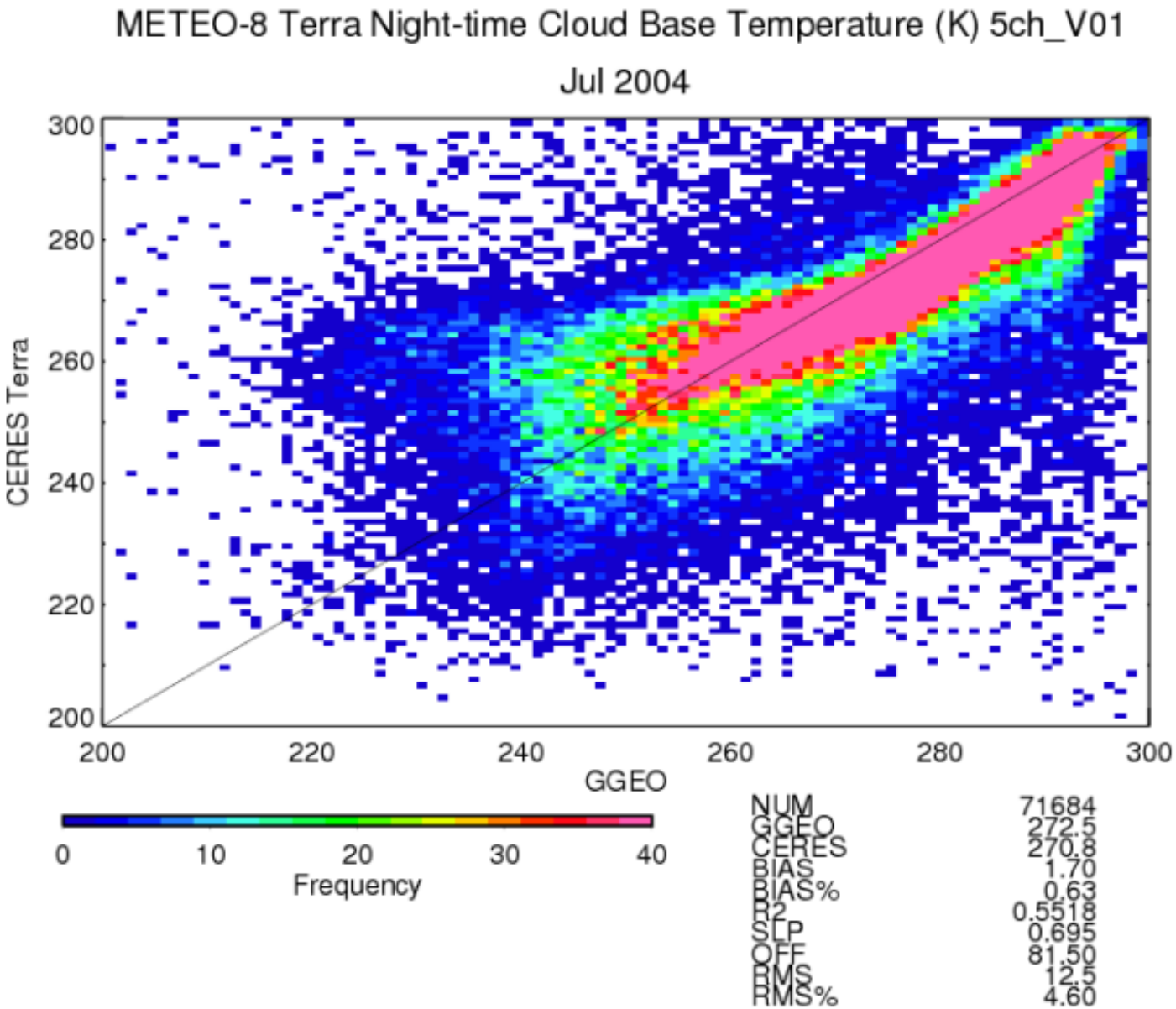

METEO-8 Terra Daytime Emissivity 5ch_V01
Jul 2004
CERES Terra
1.00
0.75
0.50
0.25
0.00
0.00
0.25
0.50
0.75
1.00
GGEO
0
10
20
30
40
Frequency
NUM 61738
GGEO 0.8
CERES 0.8
BIAS -0.00
BIAS% -0.34
R2 0.4552
SLP 0.613
OFF 0.31
RMS 0.2
RMS% 21.59

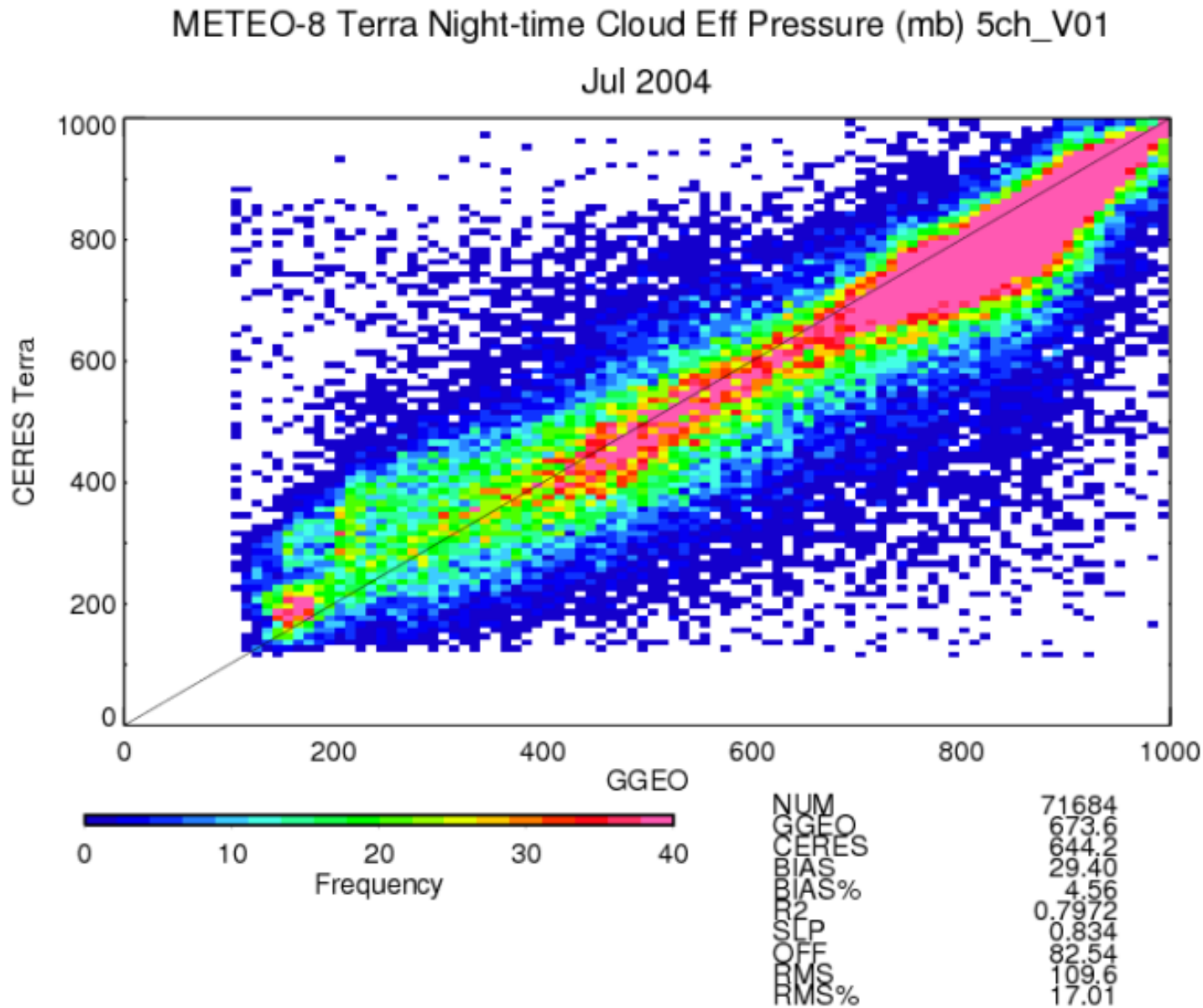

METEO-8 Terra Daytime Skin Temperature (K) 5ch_V01
Jul 2004
CERES Terra
340
315
290
265
240
240
265
290
315
340
GGEO
0
10
20
30
40
Frequency
NUM 19433
GGEO 301.1
CERES 300.3
BIAS 0.85
BIAS% 0.28
R2 0.9146
SLP 0.818
OFF 53.96
RMS 3.4
RMS% 1.13

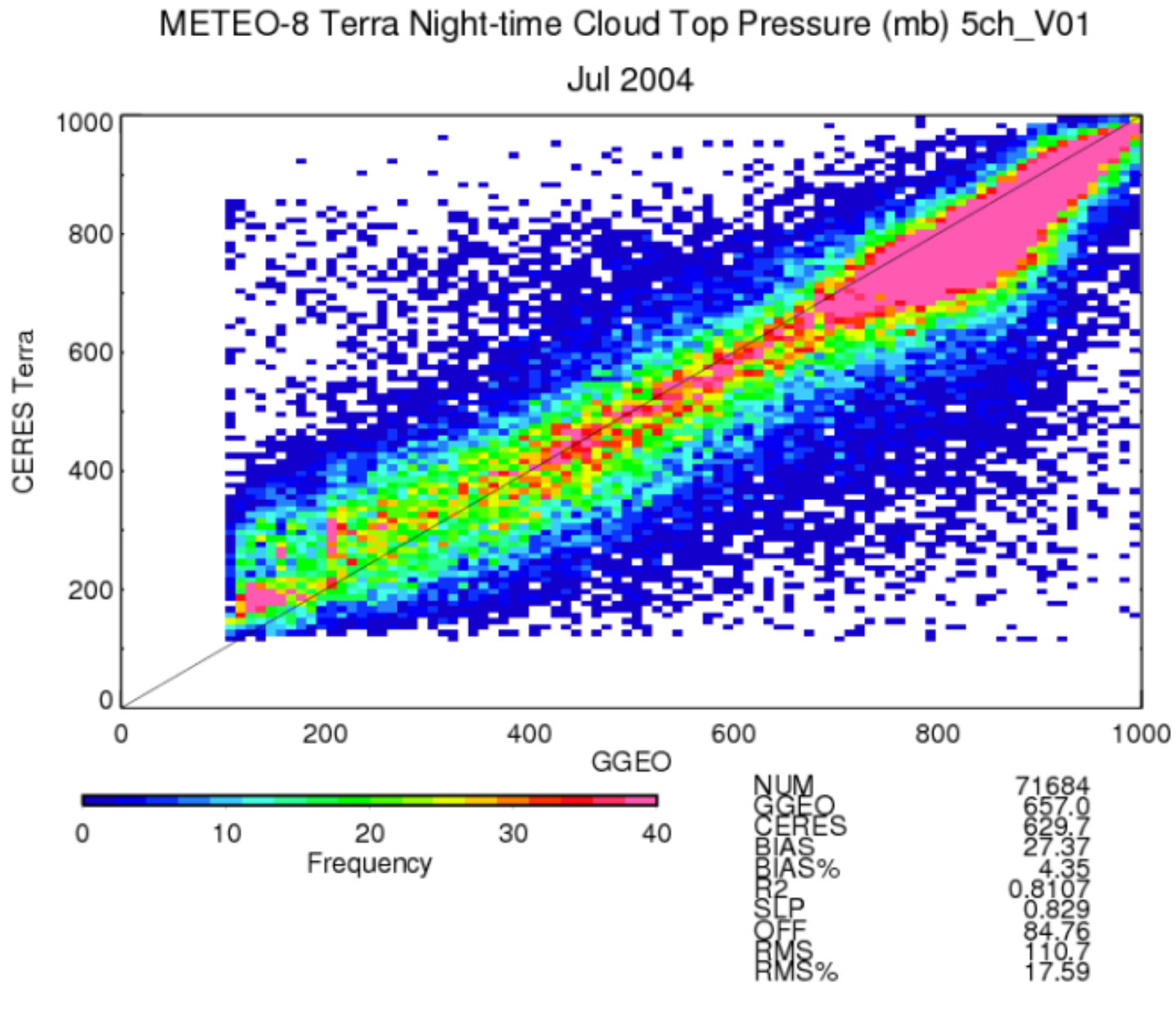

METEO-8 Terra Night-time Cloud Amount (%) 5ch_V01
Jul 2004
CERES Terra
GGEO
Frequency
0
10
20
30
40
0
20
40
60
80
100
NUM 72140
GGEO 67.1
CERES 68.8
BIAS -1.65
BIAS% -2.40
R2 0.7706
SLP 0.856
OFF 11.33
RMS 17.2
RMS% 25.01

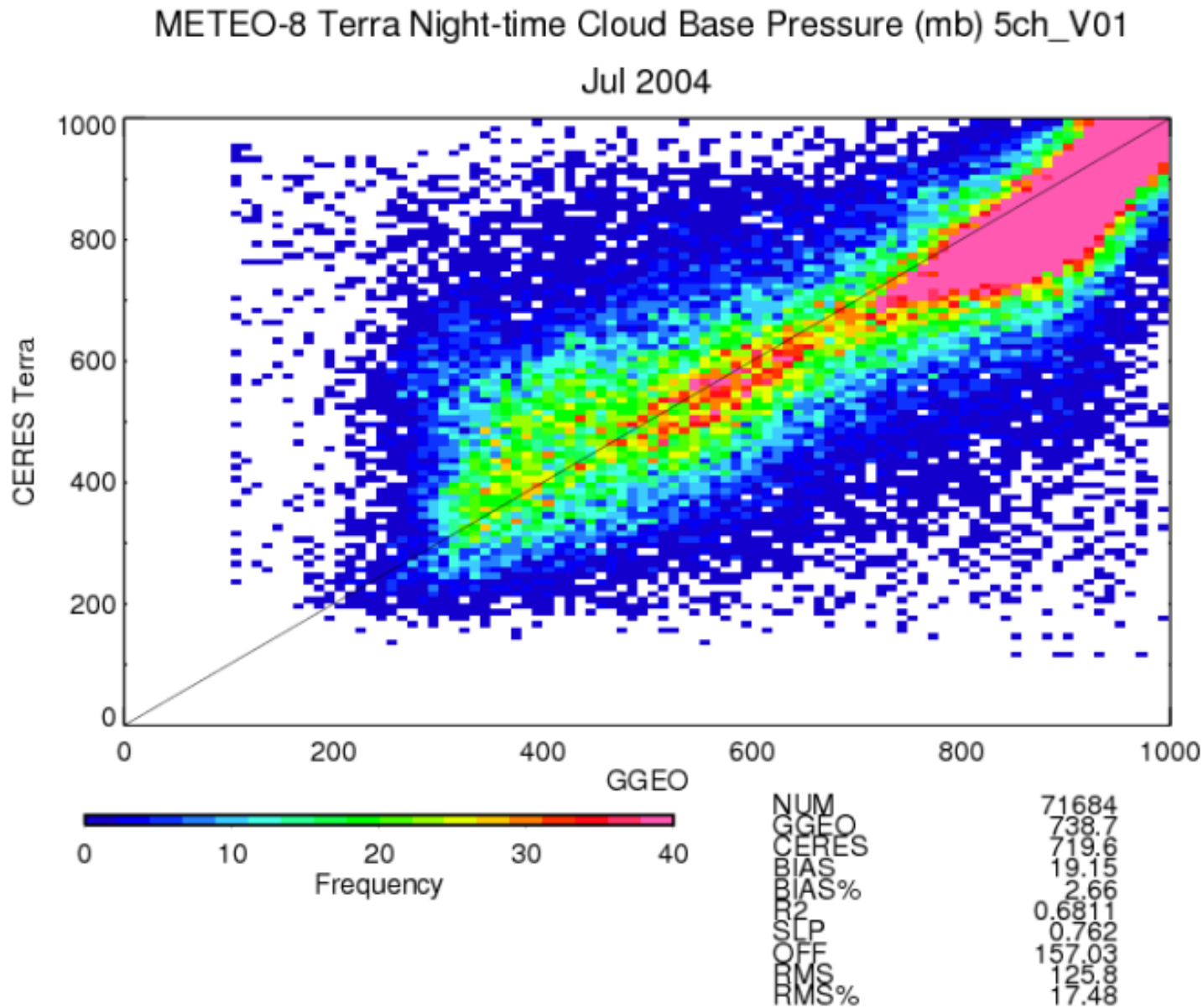

METEO-8 Terra Night-time Cloud Temperature (K) 5ch_V01
Jul 2004
CERES Terra
GGEO
300
280
260
240
220
200
0
10
20
30
40
Frequency
NUM 71684
GGEO 266.2
CERES 263.7
BIAS 2.52
BIAS% 0.96
R2 0.7368
SLP 0.790
OFF 53.44
RMS 12.0
RMS% 4.55

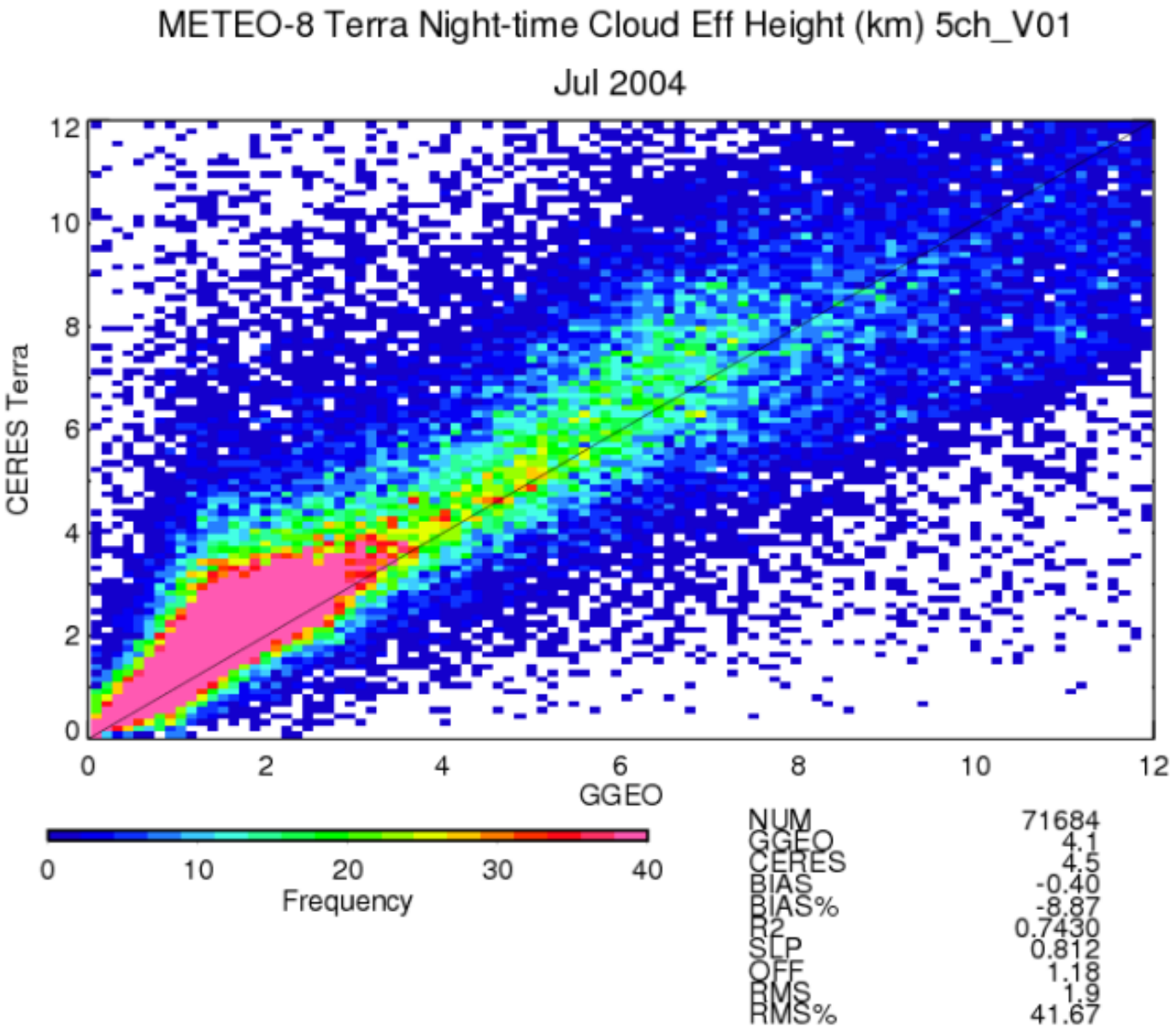

METEO-8 Terra Night-time Cloud Top Temperature (K) 5ch_V01
Jul 2004
CERES Terra
GGEO
Frequency
0
10
20
30
40
200
220
240
260
280
300
NUM 71684
GGEO 264.2
CERES 261.7
BIAS 2.50
BIAS% 0.95
R2 0.7715
SLP 0.806
OFF 48.81
RMS 12.0
RMS% 4.59

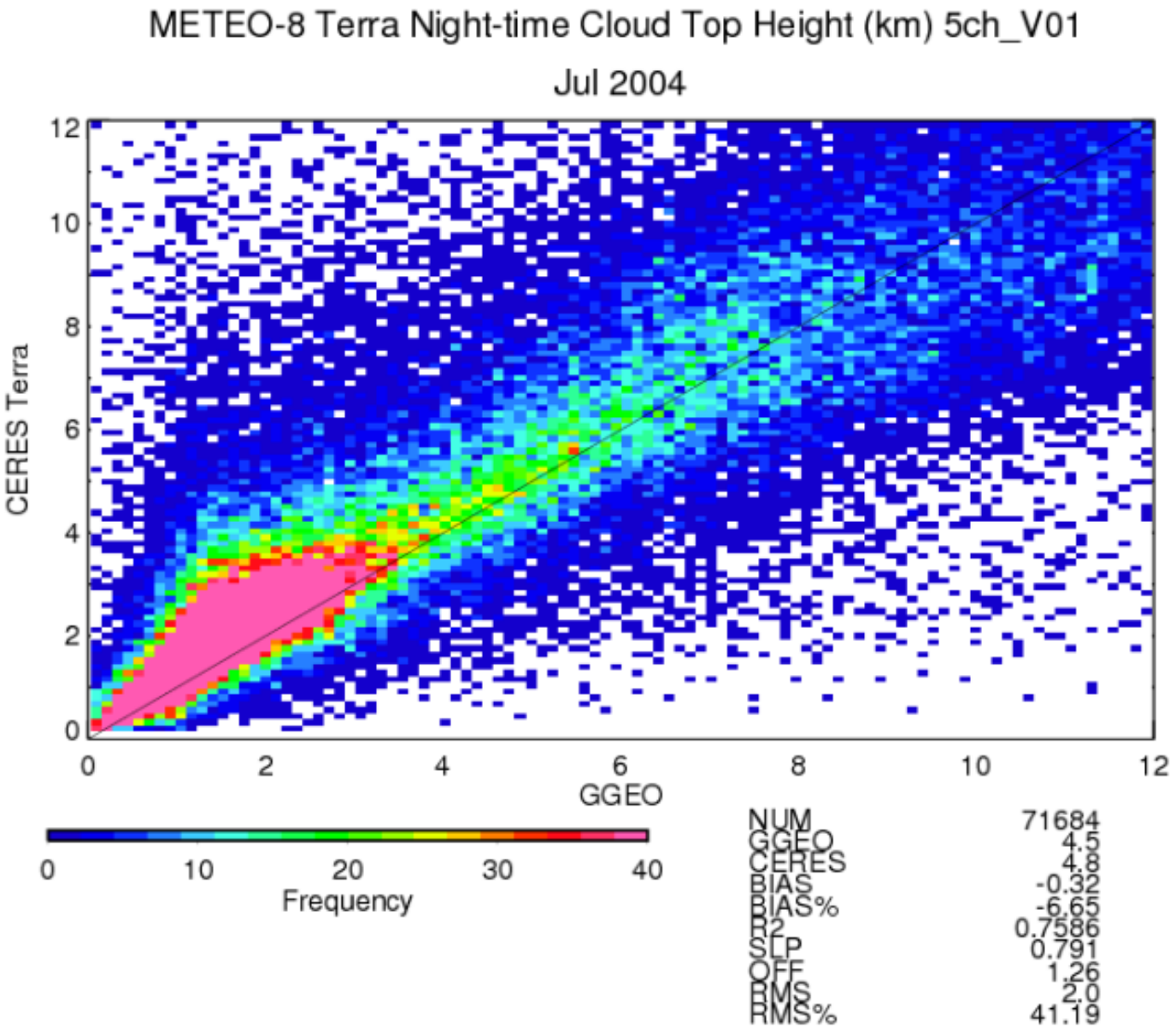

METEO-8 Terra Night-time Cloud Base Temperature (K) 5ch_V01
Jul 2004
CERES Terra
GGEO
300
280
260
240
220
200
0
10
20
30
40
Frequency
NUM 71684
GGEO 272.5
CERES 270.8
BIAS 1.70
BIAS% 0.63
R2 0.5518
SLP 0.695
OFF 81.50
RMS 12.5
RMS% 4.60

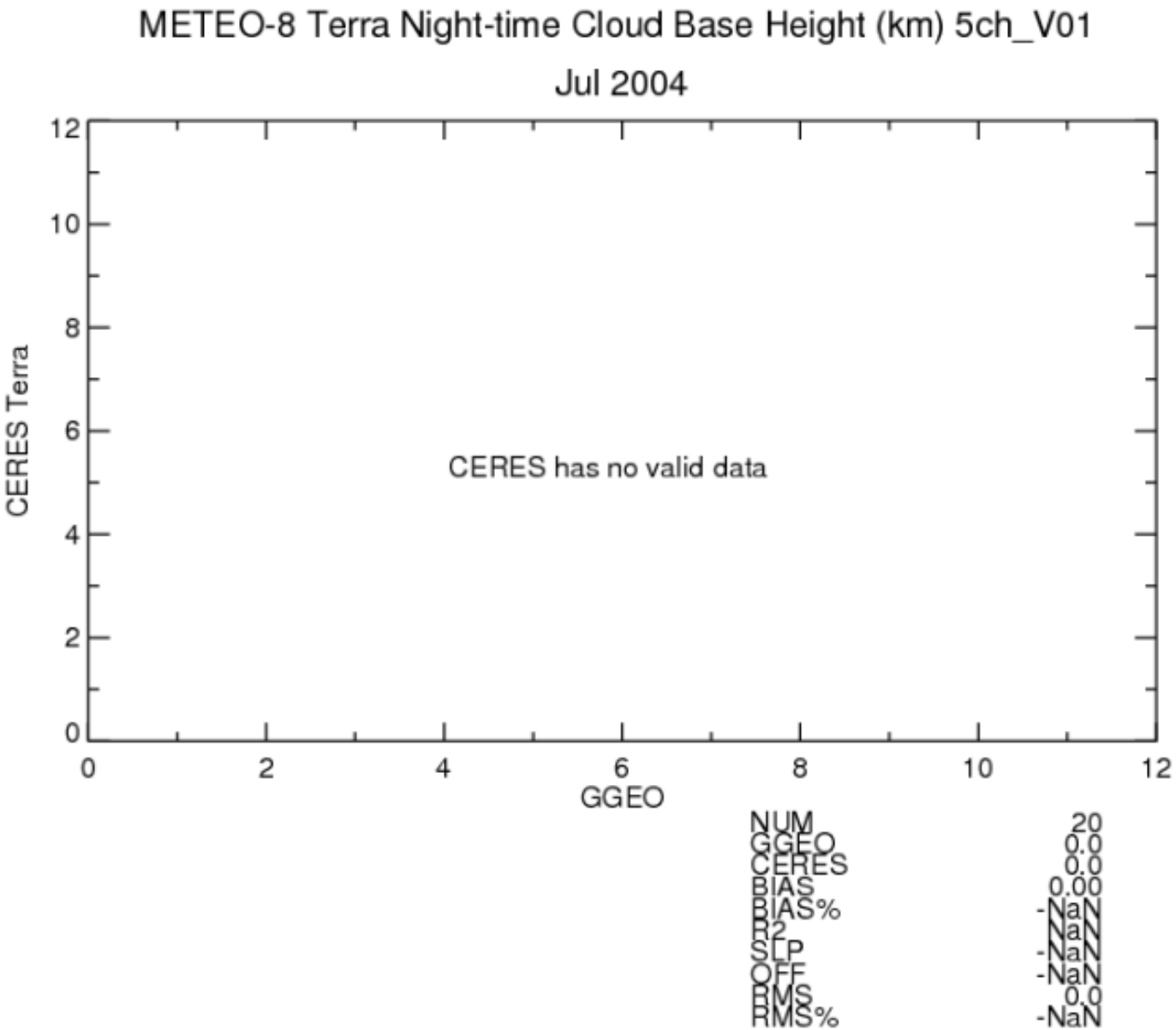

METEO-8 Terra Night-time Cloud Eff Pressure (mb) 5ch_V01
Jul 2004
CERES Terra
GGEO
Frequency
0
200
400
600
800
1000
0
10
20
30
40
NUM 71684
GGEO 673.6
CERES 644.2
BIAS 29.40
BIAS% 4.56
R2 0.7972
SLP 0.834
OFF 82.54
RMS 109.6
RMS% 17.01

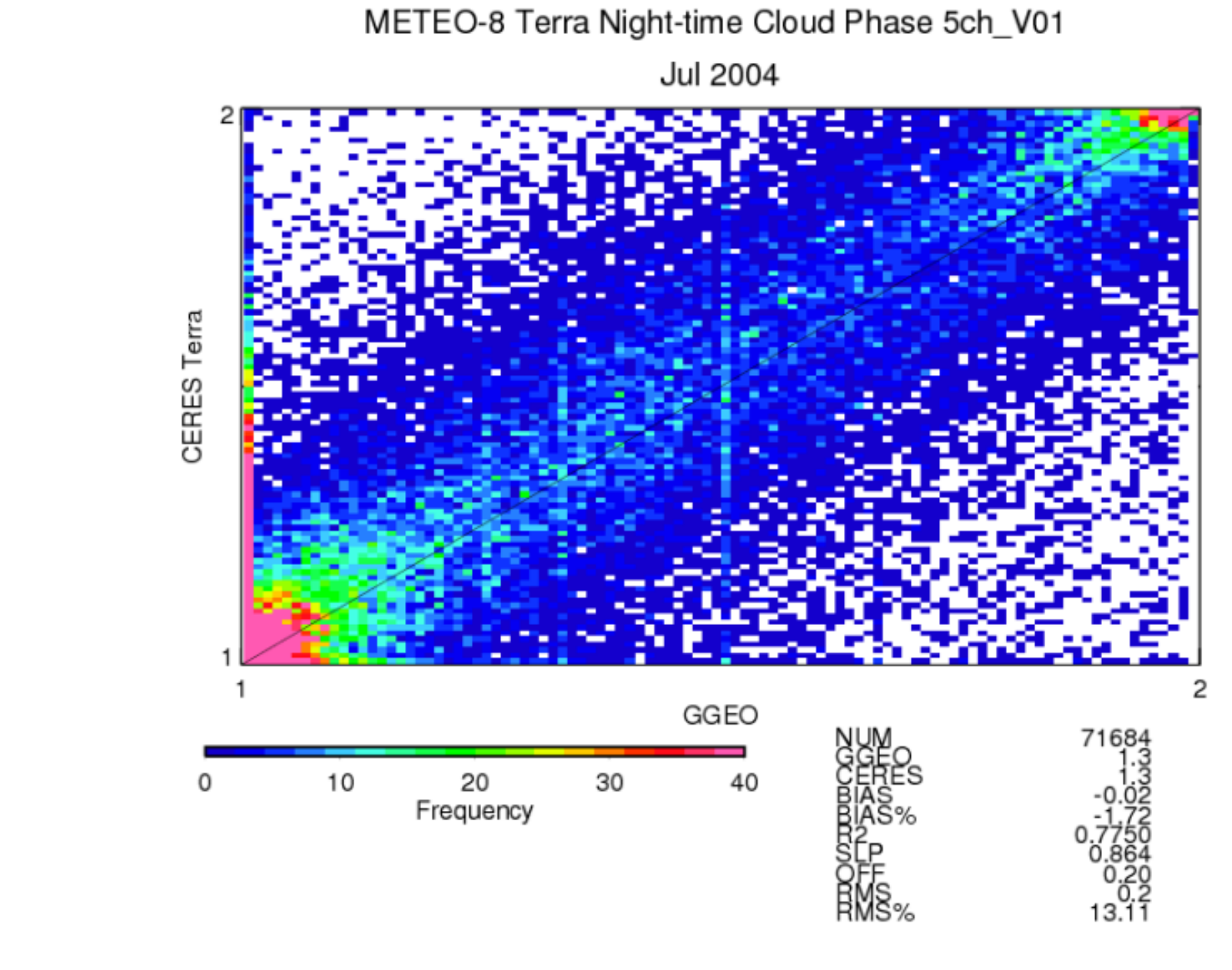

METEO-8 Terra Night-time Cloud Top Pressure (mb) 5ch_V01
Jul 2004
CERES Terra
1000
800
600
400
200
0
0
200
400
600
800
1000
GGEO
0
10
20
30
40
Frequency
NUM 71684
GGEO 657.0
CERES 629.7
BIAS 27.37
BIAS% 4.35
R2 0.8107
SLP 0.829
OFF 84.76
RMS 110.7
RMS% 17.59

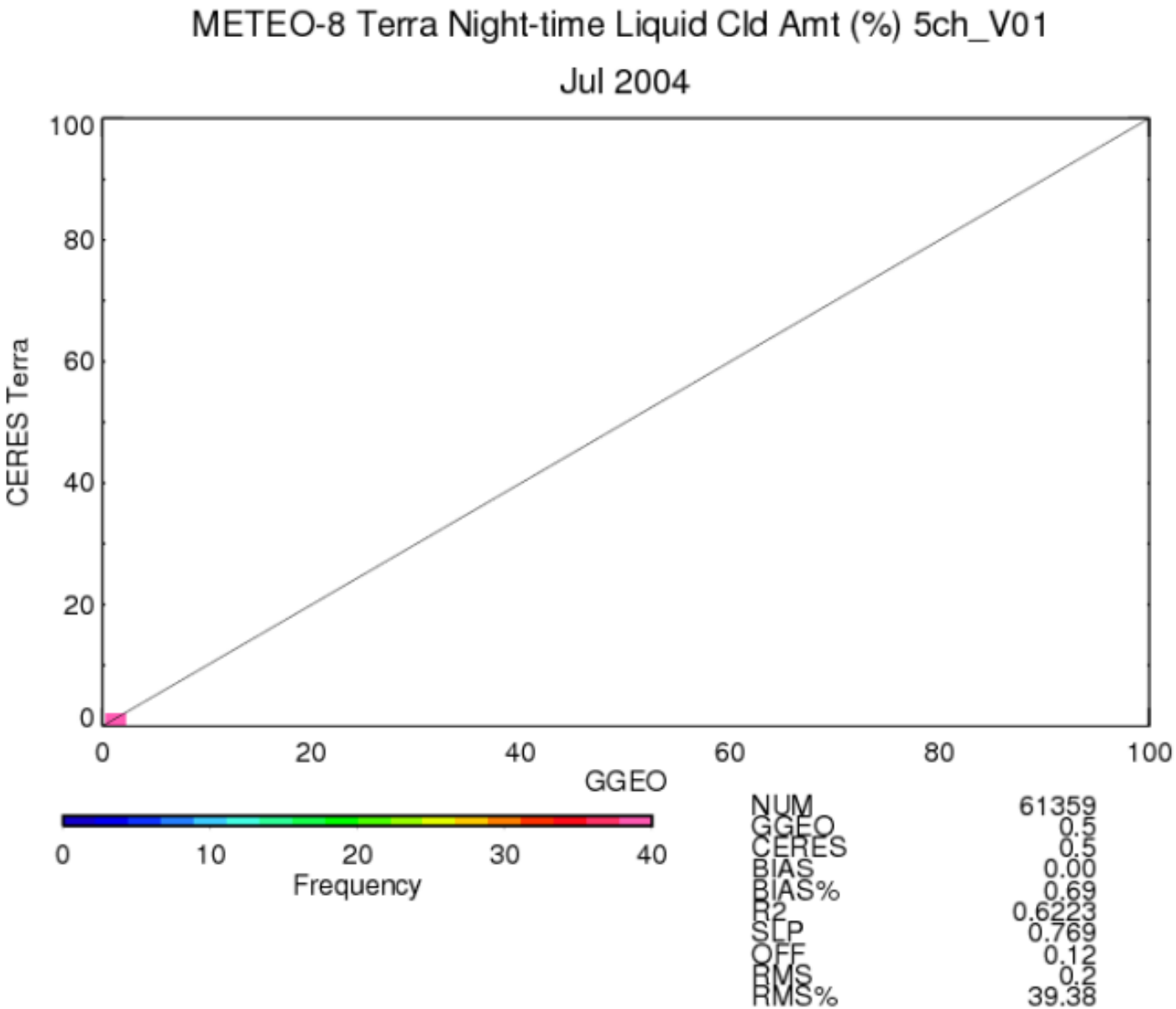

METEO-8 Terra Night-time Cloud Base Pressure (mb) 5ch_V01
Jul 2004
CERES Terra
GGEO
Frequency
0
10
20
30
40
0
200
400
600
800
1000
NUM 71684
GGEO 738.7
CERES 719.6
BIAS 19.15
BIAS% 2.66
R2 0.6811
SLP 0.762
OFF 157.03
RMS 125.8
RMS% 17.48

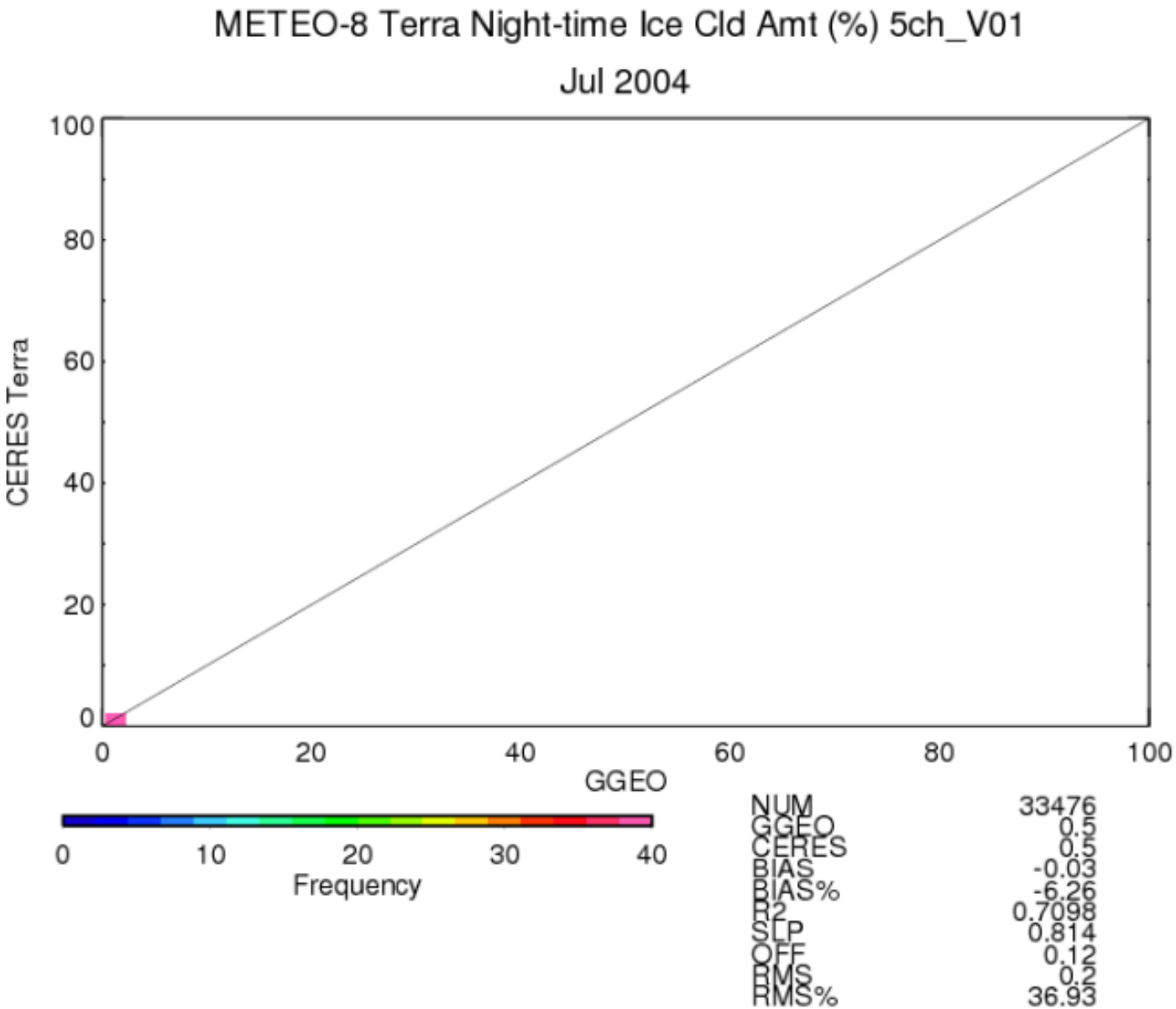

METEO-8 Terra Night-time Cloud Eff Height (km) 5ch_V01
Jul 2004
CERES Terra
GGEO
0
2
4
6
8
10
12
Frequency
0
10
20
30
40
NUM 71684
GGEO 4.1
CERES 4.5
BIAS -0.40
BIAS% -8.87
R2 0.7430
SLP 0.812
OFF 1.18
RMS 1.9
RMS% 41.67

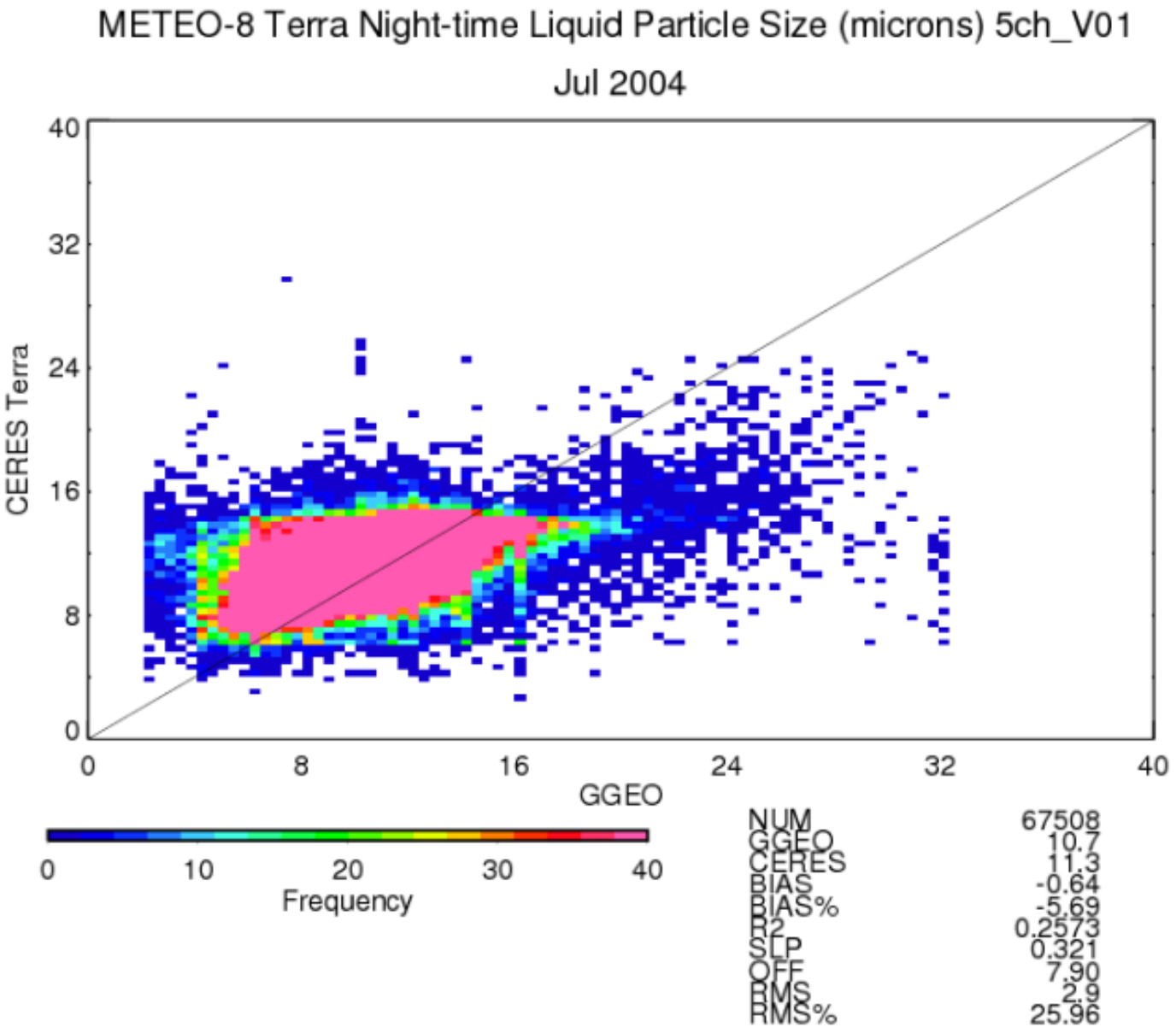

METEO-8 Terra Night-time Cloud Top Height (km) 5ch_V01
Jul 2004
CERES Terra
GGEO
Frequency
0
2
4
6
8
10
12
0
10
20
30
40
NUM 71684
GGEO 4.5
CERES 4.8
BIAS -0.32
BIAS% -6.65
R2 0.7586
SLP 0.791
OFF 1.26
RMS 2.0
RMS% 41.19

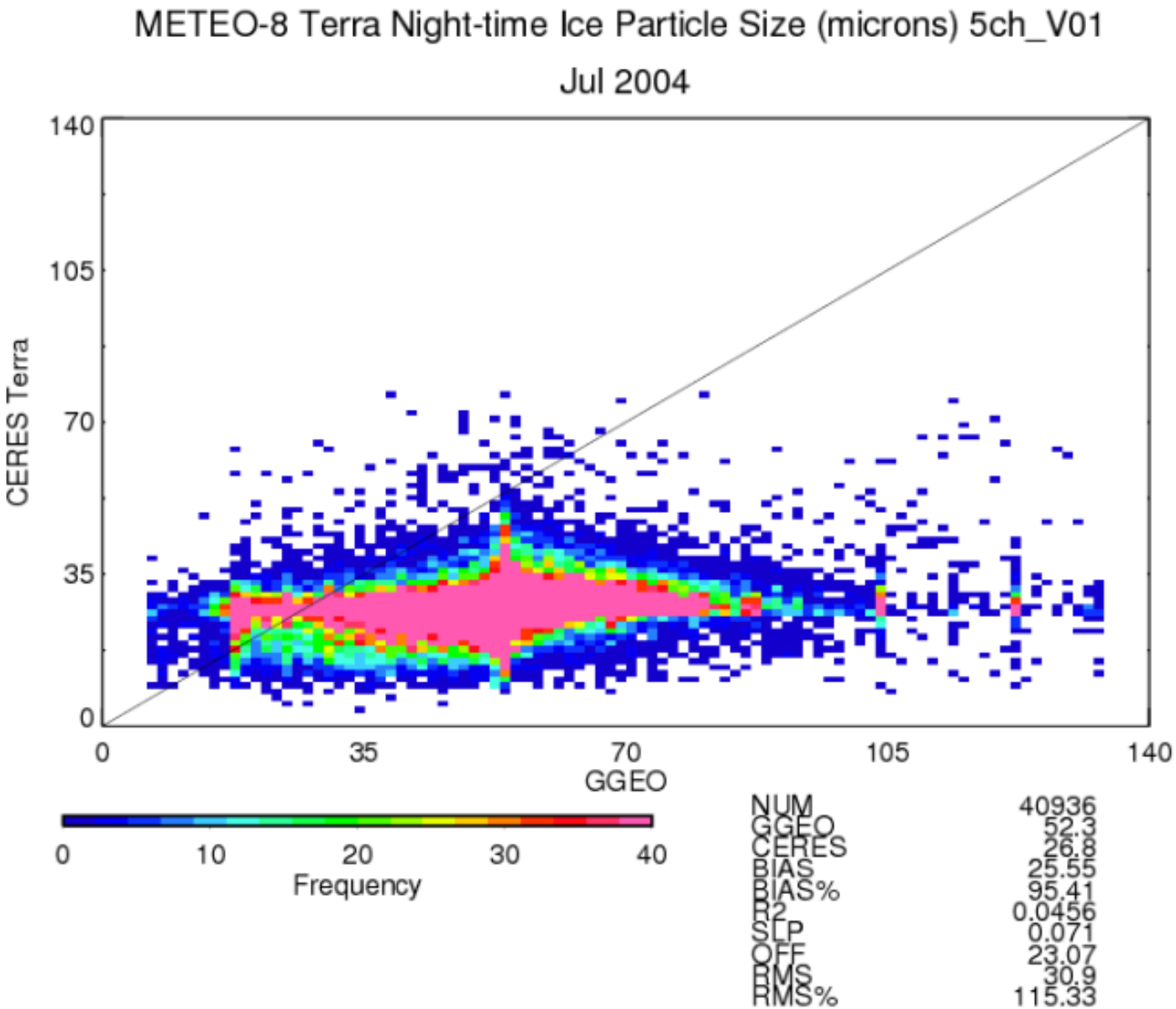

METEO-8 Terra Night-time Cloud Base Height (km) 5ch_V01
Jul 2004
CERES Terra
GGEO
CERES has no valid data
0
2
4
6
8
10
12
NUM 20
GGEO 0.0
CERES 0.0
BIAS 0.00
BIAS% -NaN
R2 NaN
SLP -NaN
OFF -NaN
RMS 0.0
RMS% -NaN

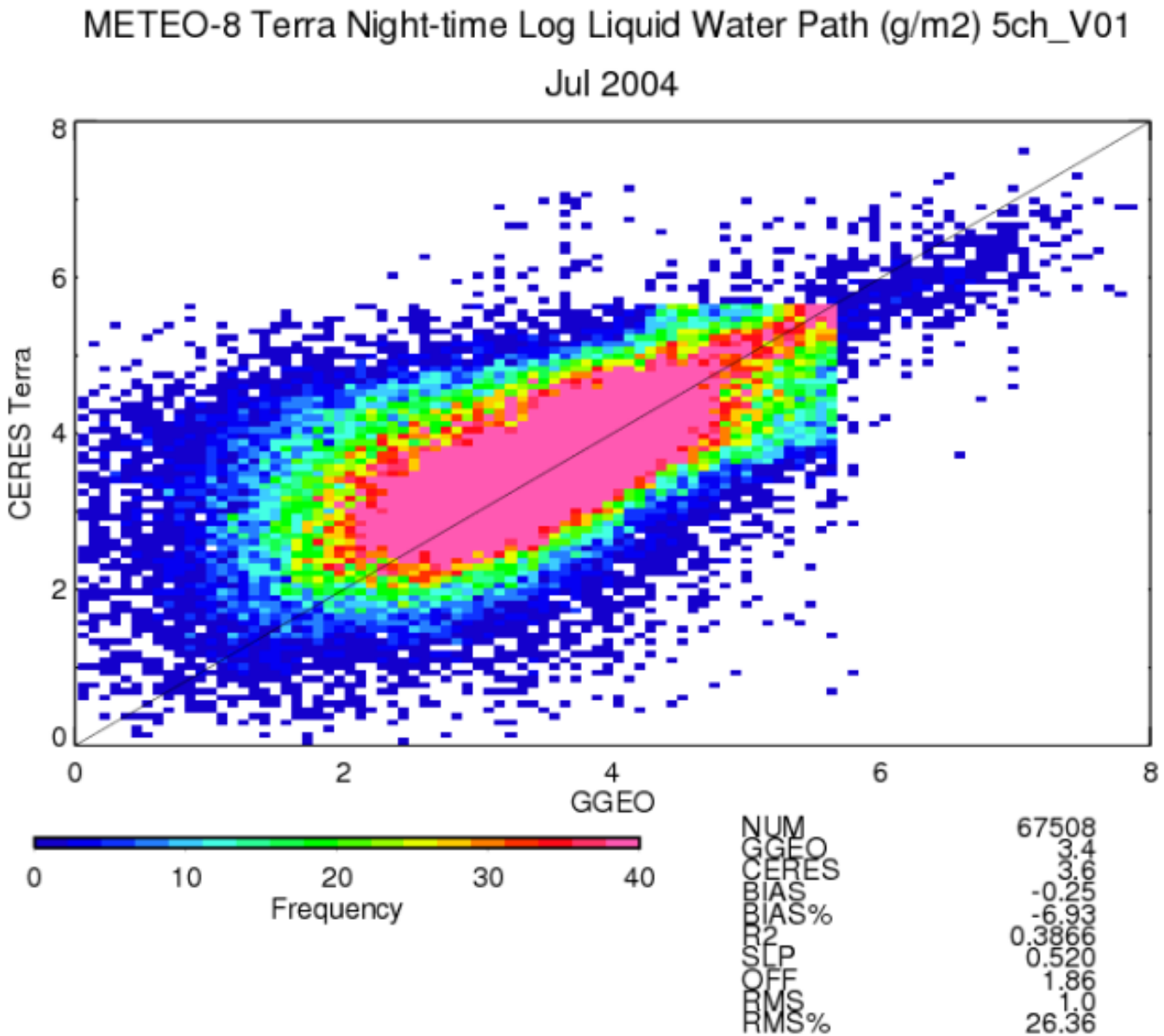

METEO-8 Terra Night-time Cloud Phase 5ch_V01
Jul 2004
CERES Terra
2
1
1
2
GGEO
0
10
20
30
40
Frequency
NUM 71684
GGEO 1.3
CERES 1.3
BIAS -0.02
BIAS% -1.72
R2 0.7750
SLP 0.864
OFF 0.20
RMS 0.2
RMS% 13.11

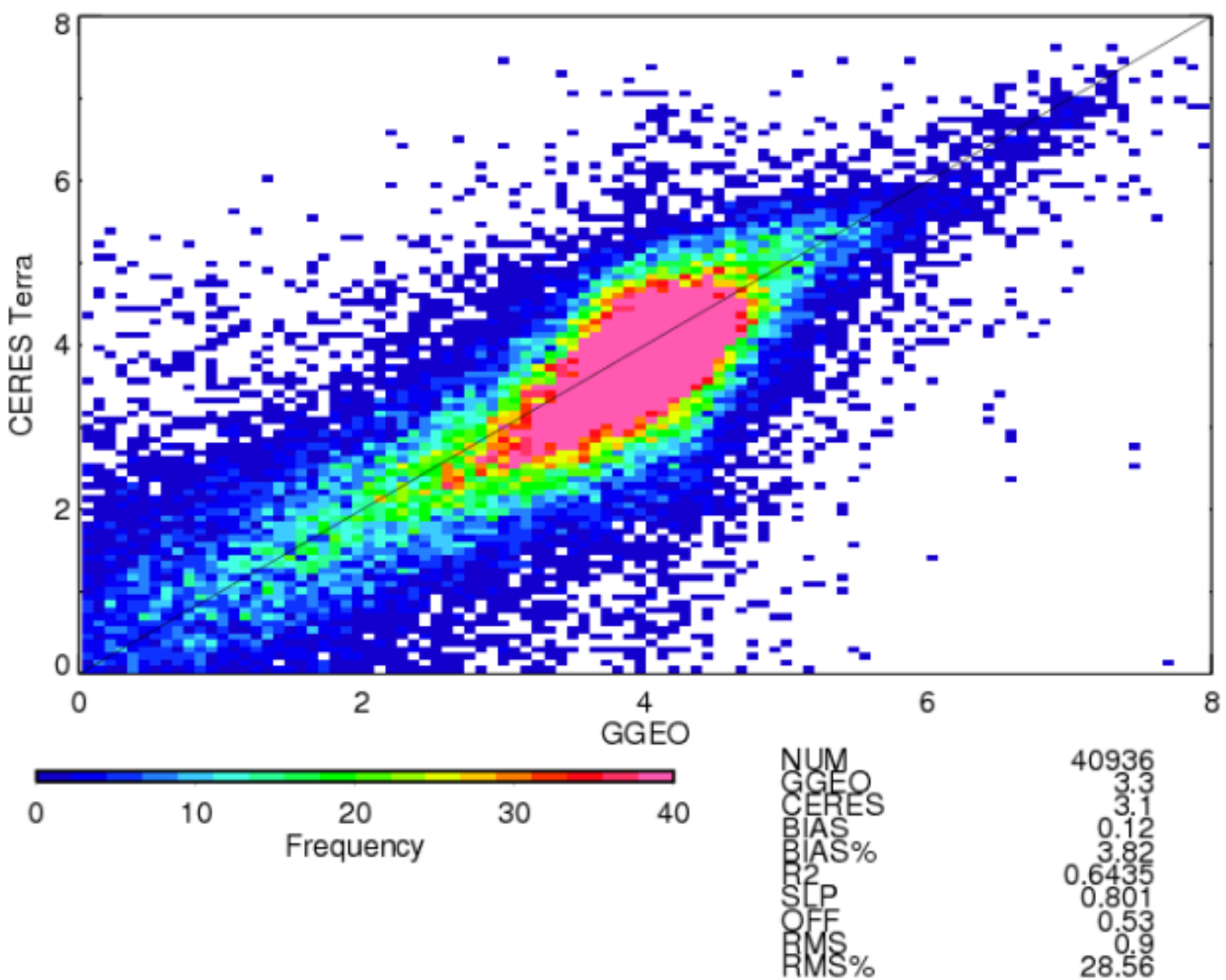

METEO-8 Terra Night-time Liquid Cld Amt (%) 5ch_V01
Jul 2004
CERES Terra
GGEO
Frequency
NUM 61359
GGEO 0.5
CERES 0.5
BIAS 0.00
BIAS% 0.69
R2 0.6223
SLP 0.769
OFF 0.12
RMS 0.2
RMS% 39.38

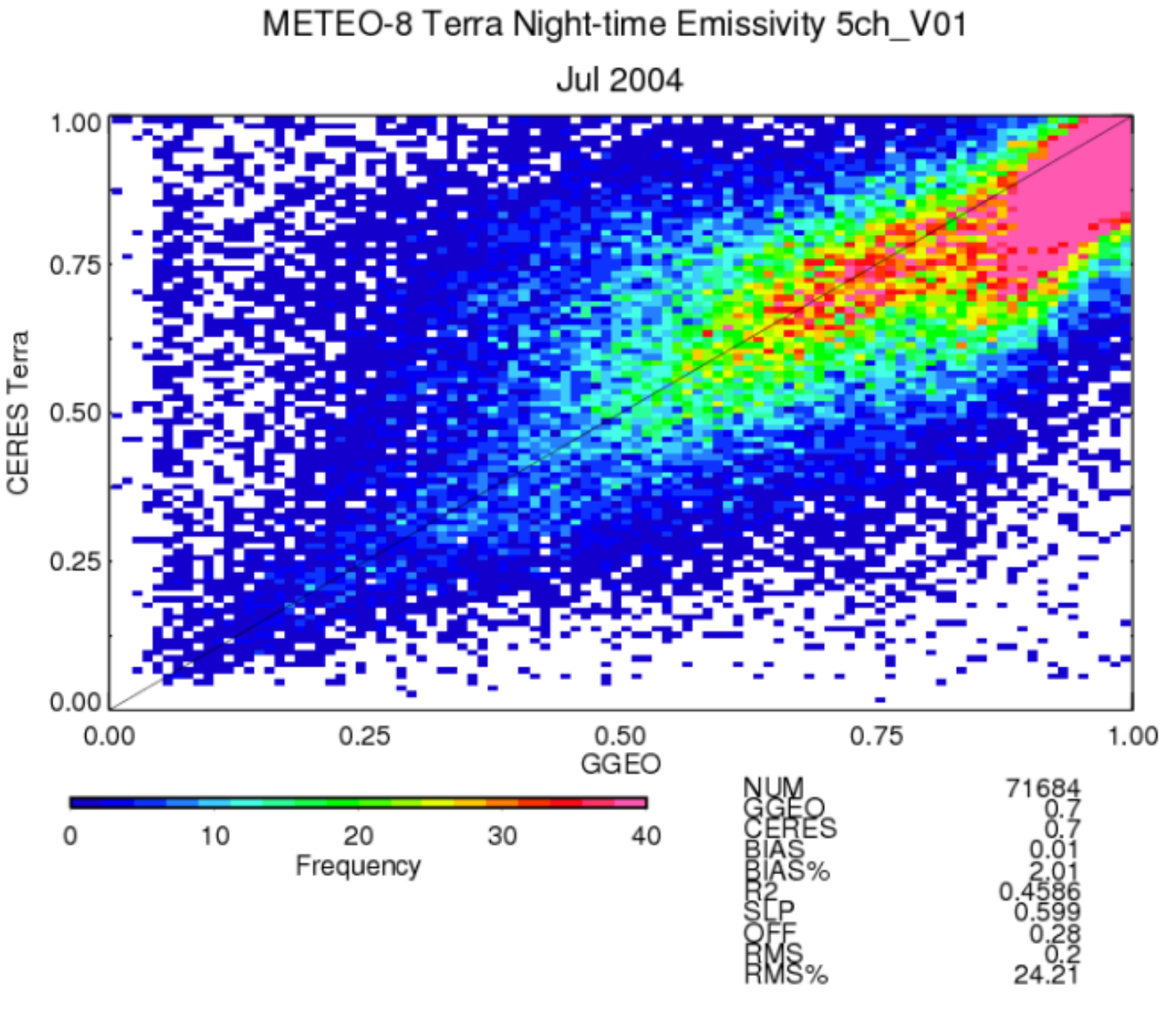

METEO-8 Terra Night-time Ice Cld Amt (%) 5ch_V01
Jul 2004
CERES Terra
100
80
60
40
20
0
0
20
40
60
80
100
GGEO
0
10
20
30
40
Frequency
NUM 33476
GGEO 0.5
CERES 0.5
BIAS -0.03
BIAS% -6.26
R2 0.7098
SLP 0.814
OFF 0.12
RMS 0.2
RMS% 36.93

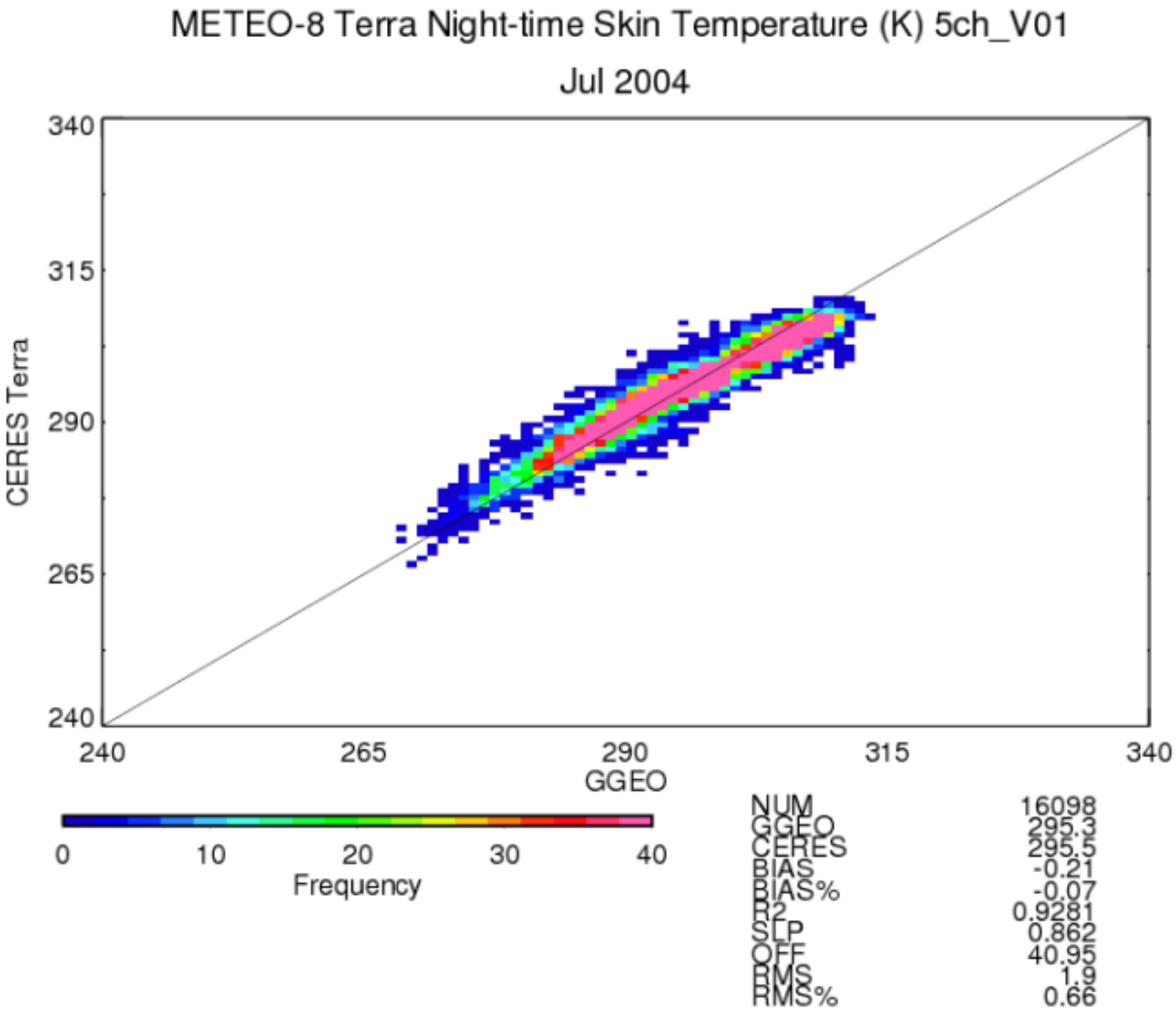

METEO-8 Terra Night-time Liquid Particle Size (microns) 5ch_V01
Jul 2004
CERES Terra
GGEO
0
8
16
24
32
40
Frequency
0
10
20
30
40
NUM 67508
GGEO 10.7
CERES 11.3
BIAS -0.64
BIAS% -5.69
R2 0.2573
SLP 0.321
OFF 7.90
RMS 2.9
RMS% 25.96


METEO-8 Terra Night-time Ice Particle Size (microns) 5ch_V01
Jul 2004
CERES Terra
GGEO
0
35
70
105
140
Frequency
0
10
20
30
40
NUM 40936
GGEO 52.3
CERES 26.8
BIAS 25.55
BIAS% 95.41
R2 0.0456
SLP 0.071
OFF 23.07
RMS 30.9
RMS% 115.33


METEO-8 Terra Night-time Log Liquid Water Path (g/m2) 5ch_V01
Jul 2004
CERES Terra
GGEO
0
2
4
6
8
0
10
20
30
40
Frequency
NUM 67508
GGEO 3.4
CERES 3.6
BIAS -0.25
BIAS% -6.93
R2 0.3866
SLP 0.520
OFF 1.86
RMS 1.0
RMS% 26.36


METEO-8 Terra Night-time Log Ice Water Path (g/m2) 5ch_V01
Jul 2004
CERES Terra
GGEO
0
2
4
6
8
0
10
20
30
40
Frequency
NUM 40936
GGEO 3.3
CERES 3.1
BIAS 0.12
BIAS% 3.82
R2 0.6435
SLP 0.801
OFF 0.53
RMS 0.9
RMS% 28.56


METEO-8 Terra Night-time Emissivity 5ch_V01
Jul 2004
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 71684
GGEO 0.7
CERES 0.7
BIAS 0.01
BIAS% 2.01
R2 0.4586
SLP 0.599
OFF 0.28
RMS 0.2
RMS% 24.21


METEO-8 Terra Night-time Skin Temperature (K) 5ch_V01
Jul 2004
CERES Terra
340
315
290
265
240
240
265
290
315
340
GGEO
0
10
20
30
40
Frequency
NUM 16098
GGEO 295.3
CERES 295.5
BIAS -0.21
BIAS% -0.07
R2 0.9281
SLP 0.862
OFF 40.95
RMS 1.9
RMS% 0.66