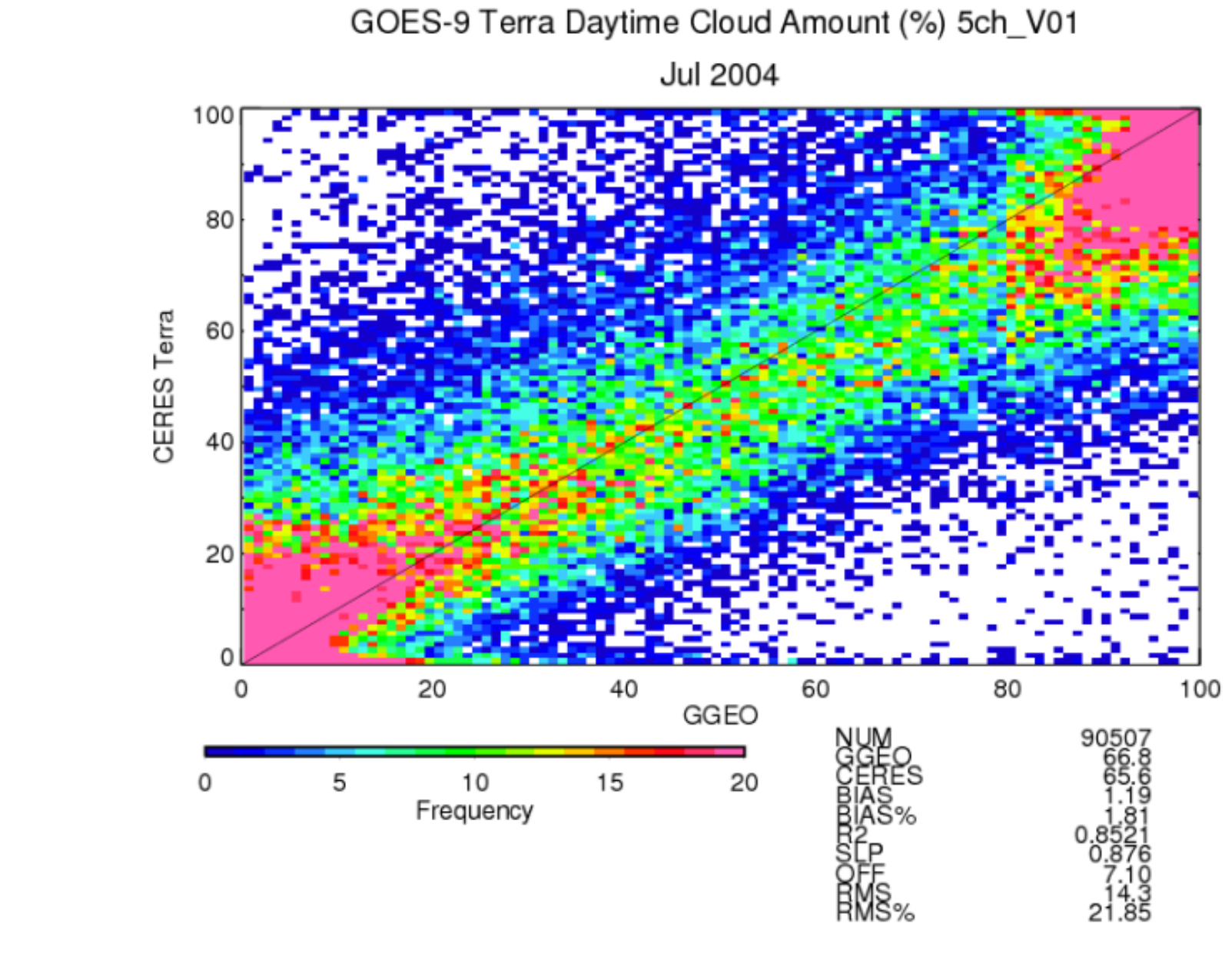
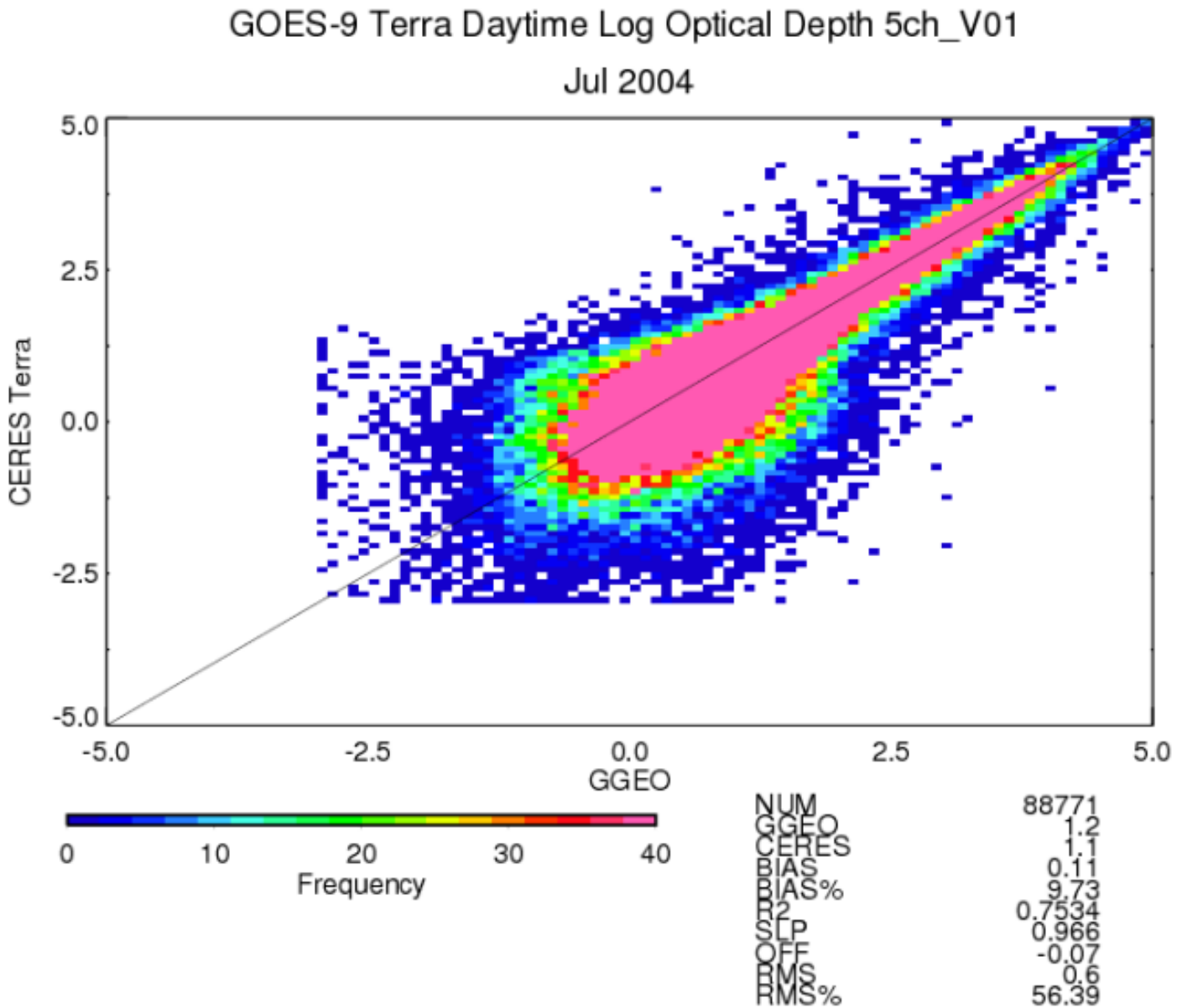
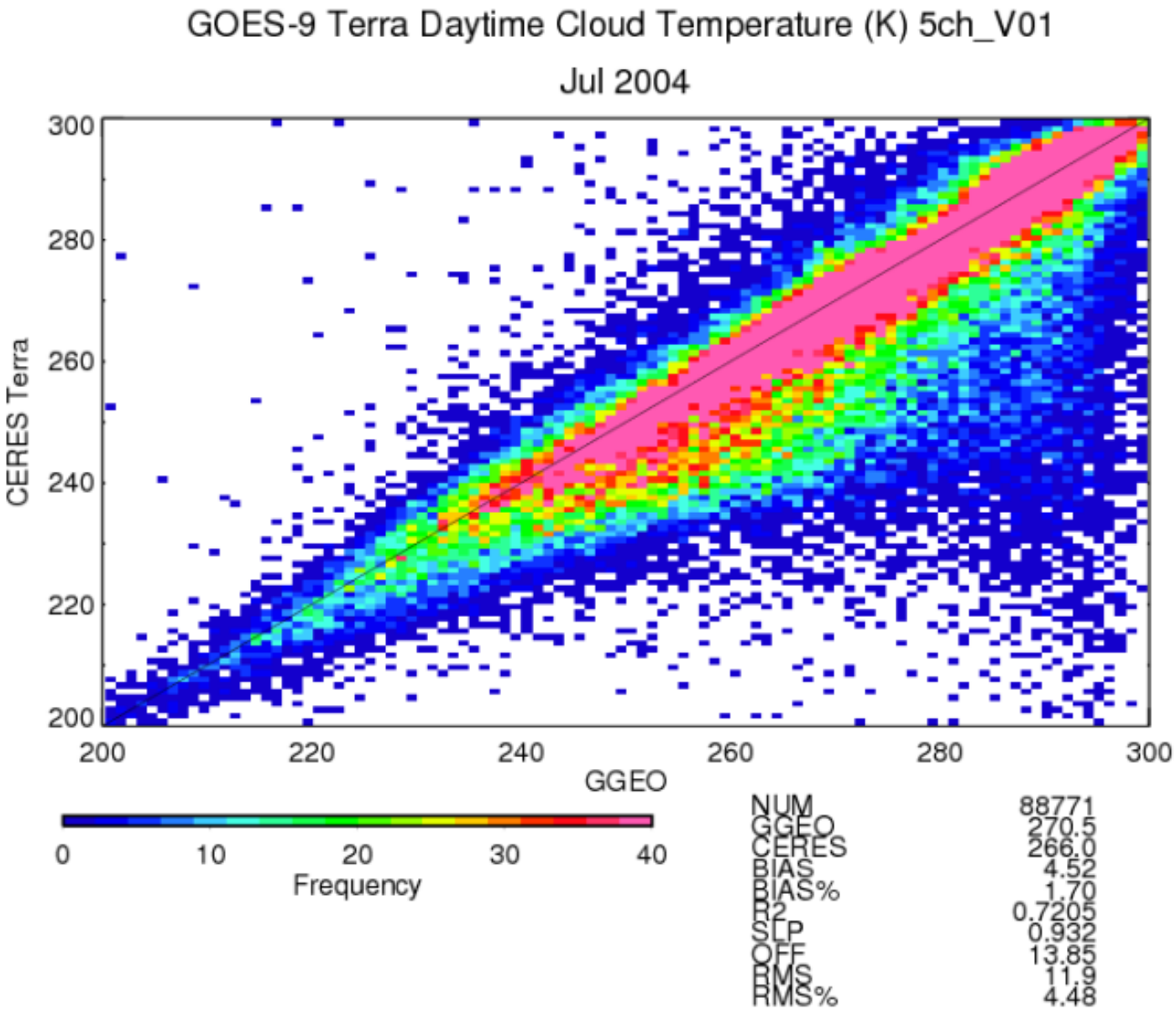
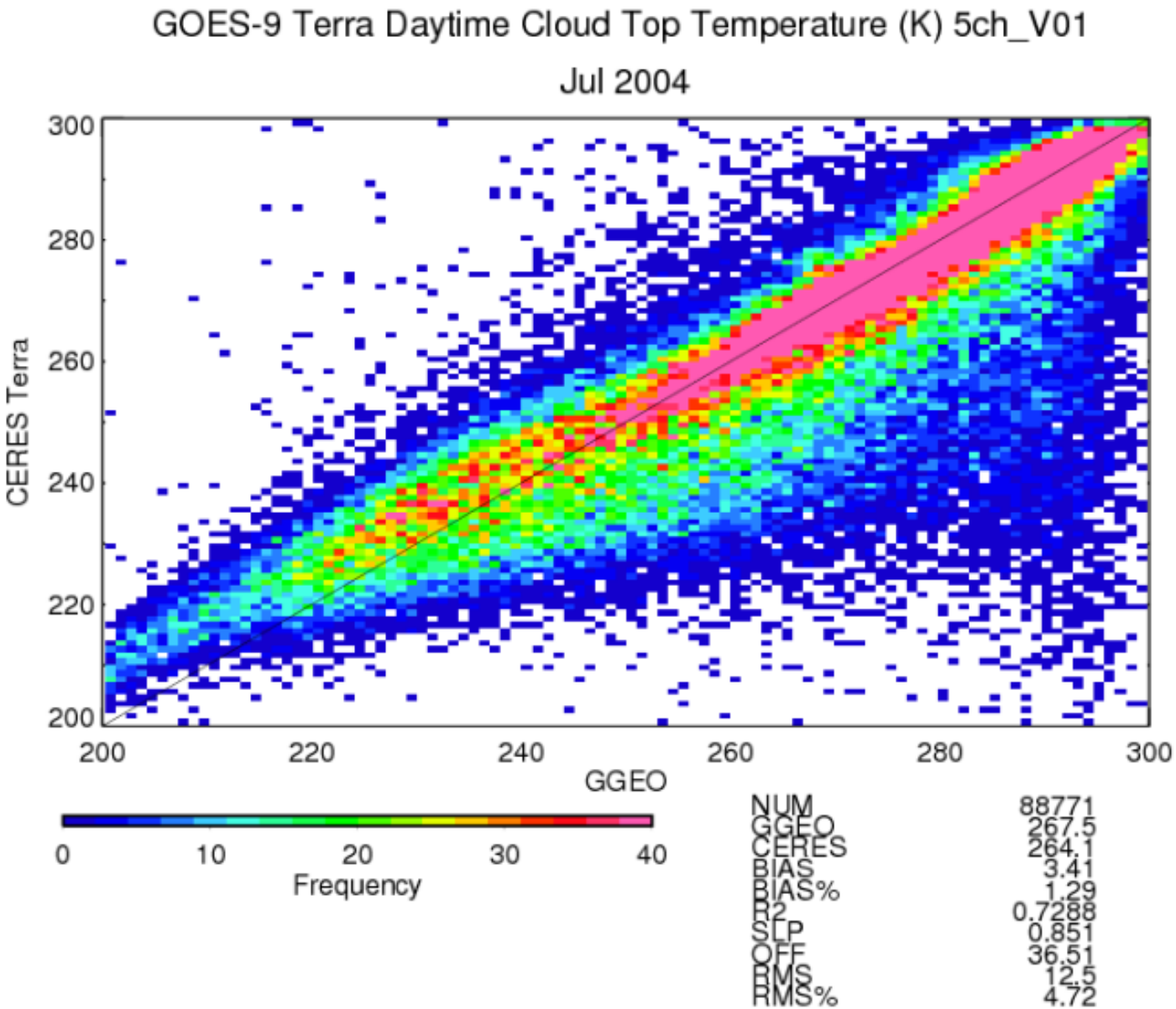
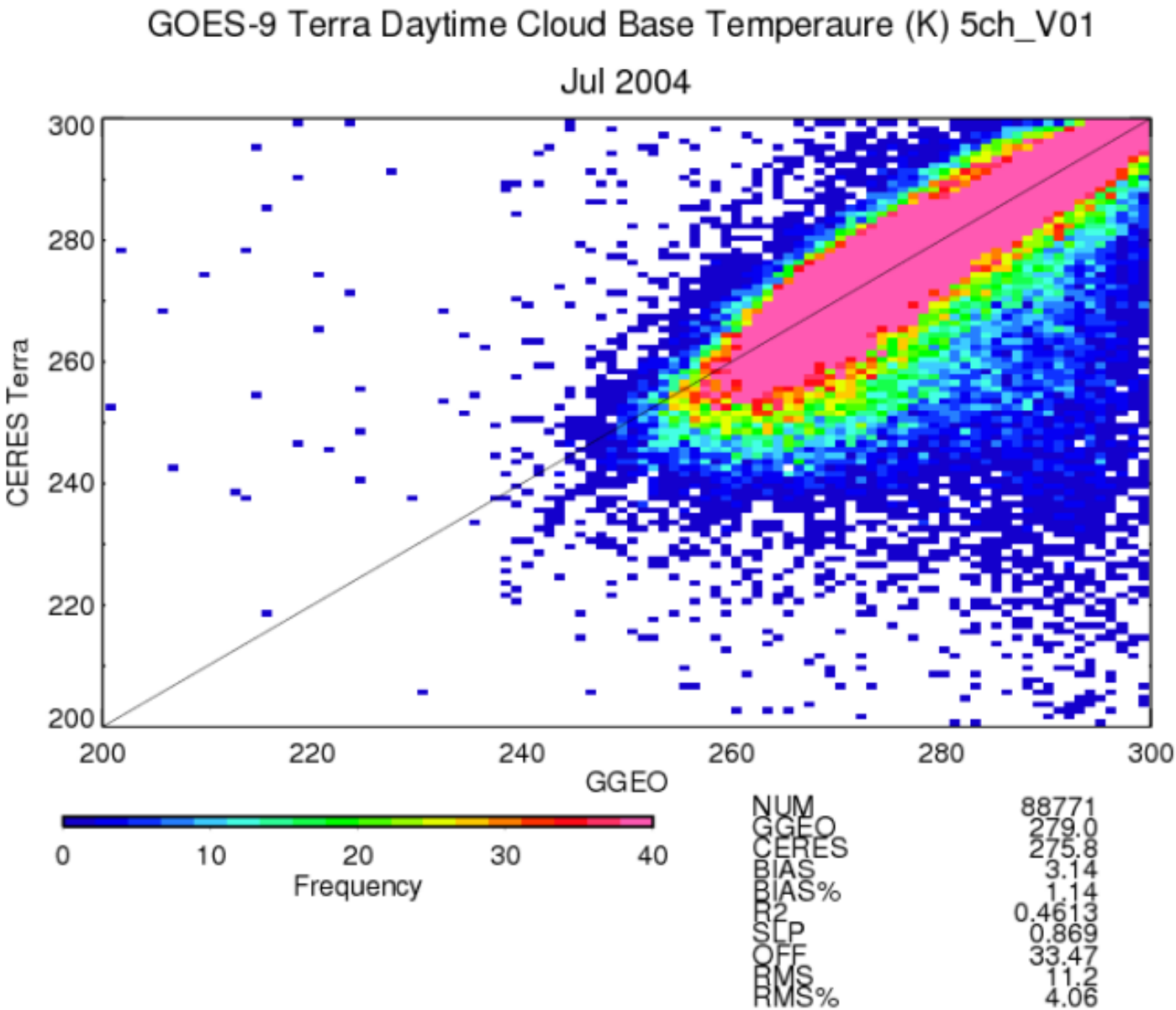
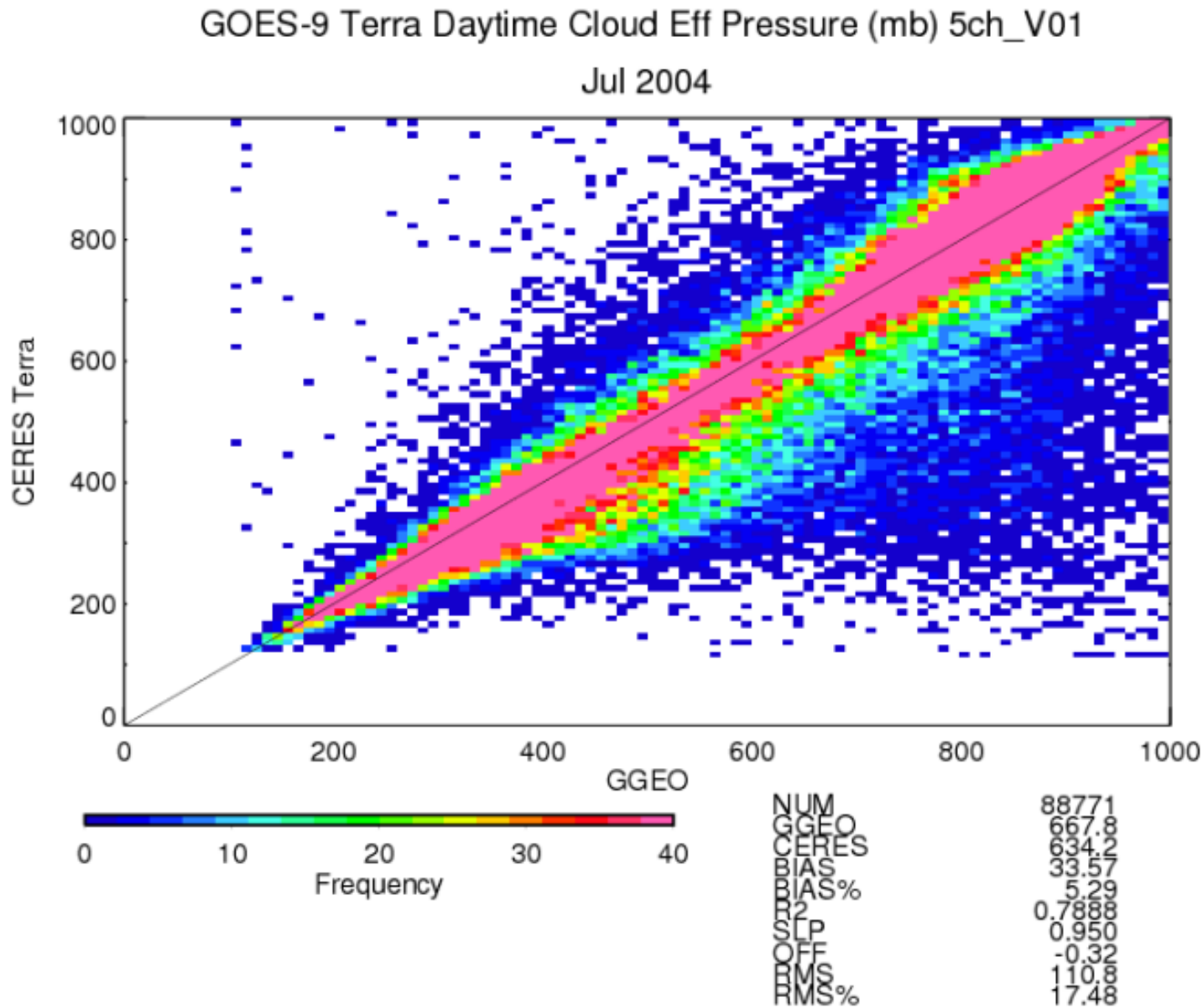

GOES-9 Terra Daytime Cloud Amount (%) 5ch_V01
Jul 2004
CERES Terra
GGEO
0
20
40
60
80
100
Frequency
0
5
10
15
20
NUM 90507
GGEO 66.8
CERES 65.6
BIAS 1.19
BIAS% 1.81
R2 0.8521
SLP 0.876
OFF 7.10
RMS 14.3
RMS% 21.85

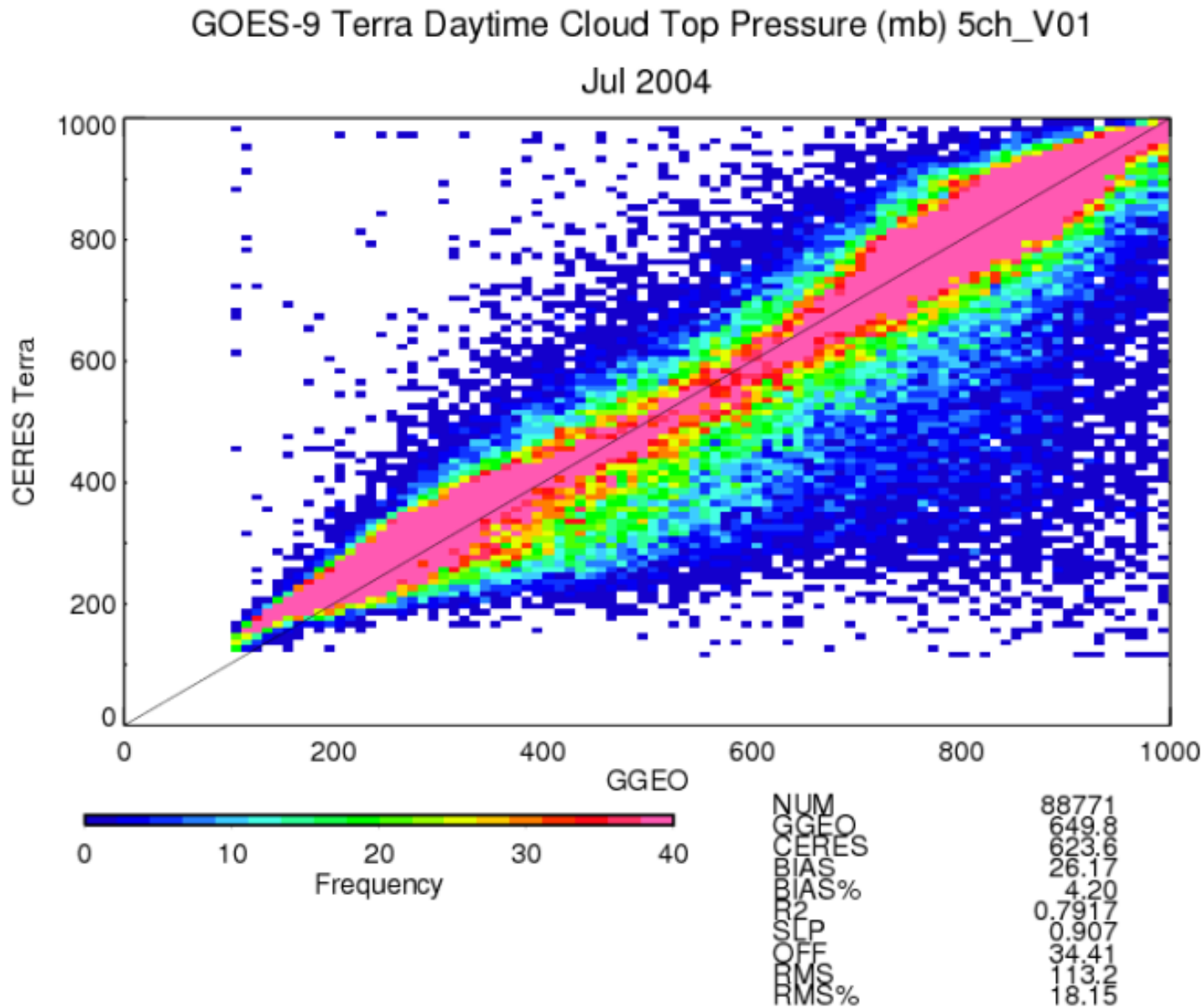

GOES-9 Terra Daytime Log Optical Depth 5ch_V01
Jul 2004
CERES Terra
5.0
2.5
0.0
-2.5
-5.0
-5.0
-2.5
0.0
2.5
5.0
GGEO
0
10
20
30
40
Frequency
NUM 88771
GGEO 1.2
CERES 1.1
BIAS 0.11
BIAS% 9.73
R2 0.7534
SLP 0.966
OFF -0.07
RMS 0.6
RMS% 56.39

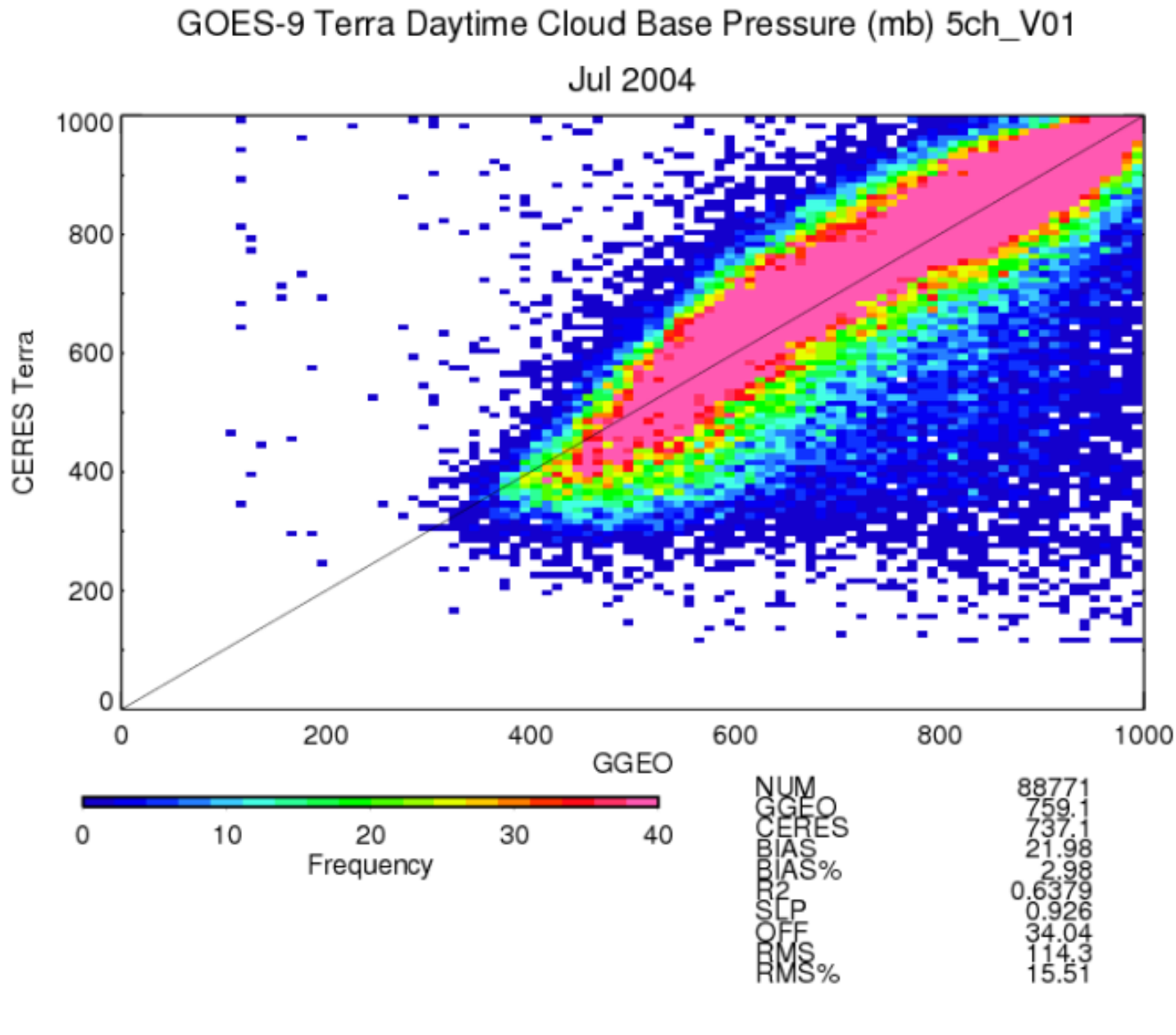

GOES-9 Terra Daytime Cloud Temperature (K) 5ch_V01
Jul 2004
CERES Terra
300
280
260
240
220
200
200
220
240
260
280
300
GGEO
0
10
20
30
40
Frequency
NUM 88771
GGEO 270.5
CERES 266.0
BIAS 4.52
BIAS% 1.70
R2 0.7205
SLP 0.932
OFF 13.85
RMS 11.9
RMS% 4.48

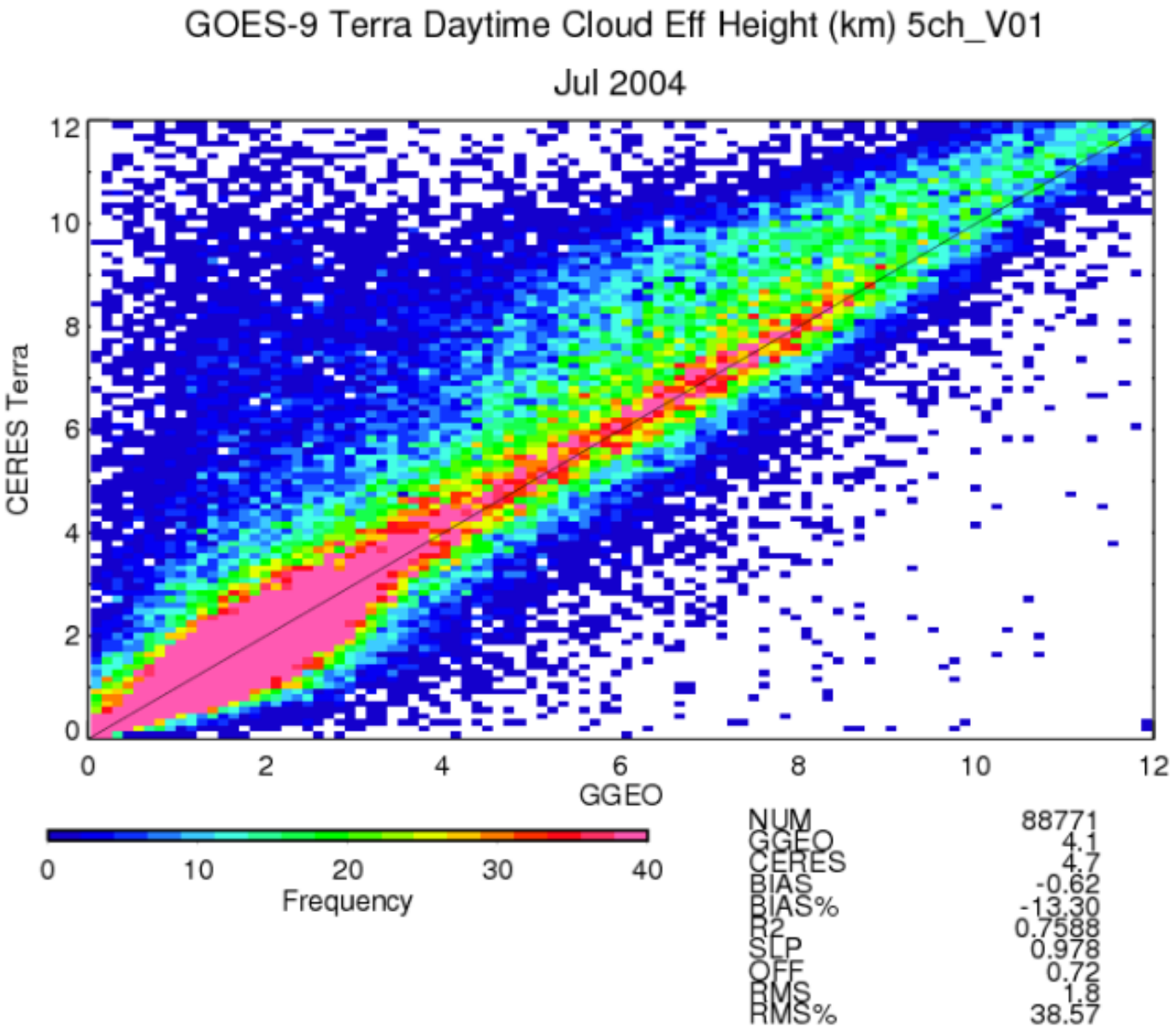

GOES-9 Terra Daytime Cloud Top Temperature (K) 5ch_V01
Jul 2004
CERES Terra
GGEO
300
280
260
240
220
200
0
10
20
30
40
Frequency
NUM 88771
GGEO 267.5
CERES 264.1
BIAS 3.41
BIAS% 1.29
R2 0.7288
SLP 0.851
OFF 36.51
RMS 12.5
RMS% 4.72

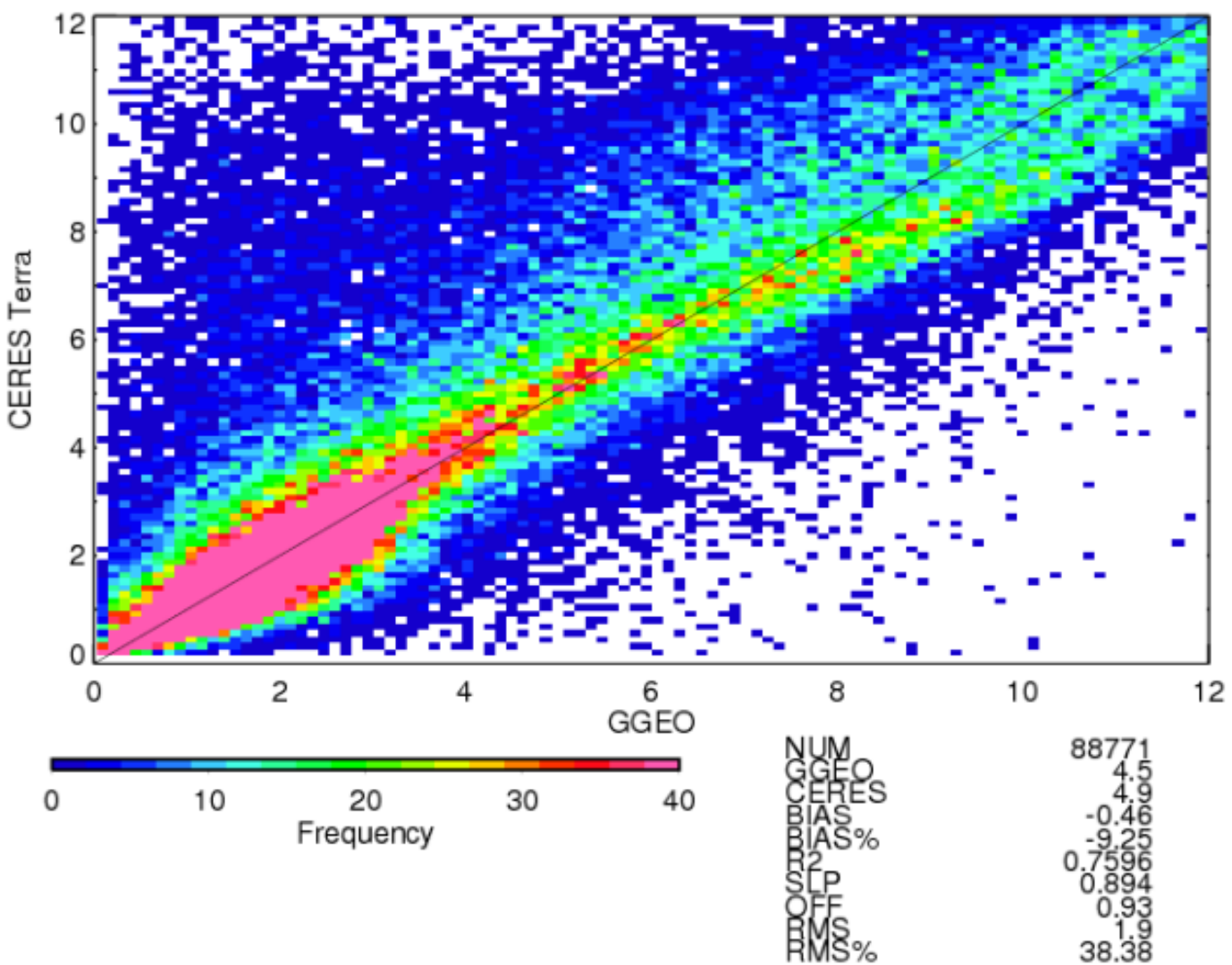

GOES-9 Terra Daytime Cloud Base Temperaure (K) 5ch_V01
Jul 2004
CERES Terra
300
280
260
240
220
200
200
220
240
260
280
300
GGEO
0
10
20
30
40
Frequency
NUM 88771
GGEO 279.0
CERES 275.8
BIAS 3.14
BIAS% 1.14
R2 0.4613
SLP 0.869
OFF 33.47
RMS 11.2
RMS% 4.06

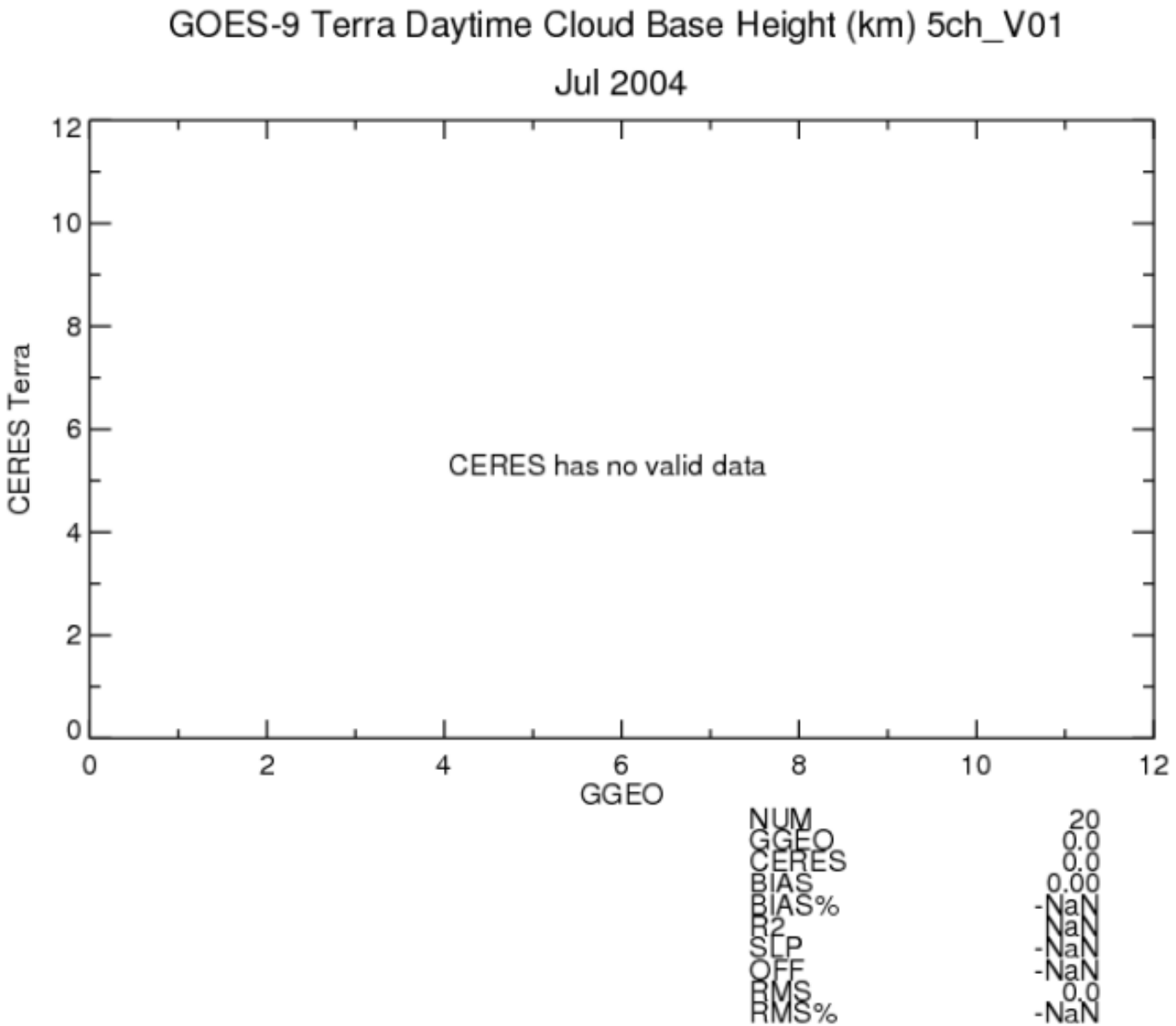

GOES-9 Terra Daytime Cloud Eff Pressure (mb) 5ch_V01
Jul 2004
CERES Terra
GGEO
0
200
400
600
800
1000
Frequency
0
10
20
30
40
NUM 88771
GGEO 667.8
CERES 634.2
BIAS 33.57
BIAS% 5.29
R2 0.7888
SLP 0.950
OFF -0.32
RMS 110.8
RMS% 17.48

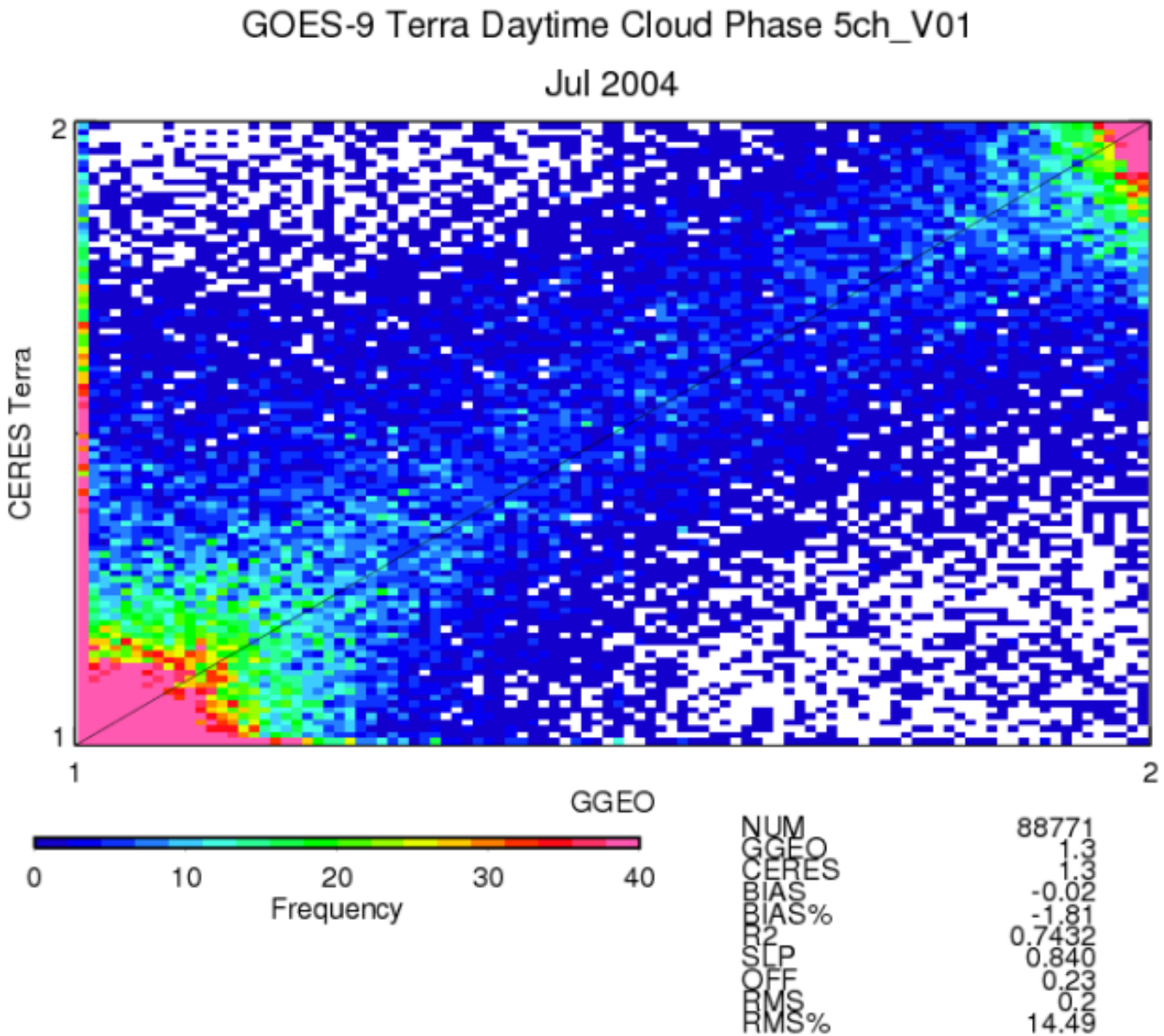

GOES-9 Terra Daytime Cloud Top Pressure (mb) 5ch_V01
Jul 2004
CERES Terra
GGEO
0
200
400
600
800
1000
Frequency
0
10
20
30
40
NUM 88771
GGEO 649.8
CERES 623.6
BIAS 26.17
BIAS% 4.20
R2 0.7917
SLP 0.907
OFF 34.41
RMS 113.2
RMS% 18.15

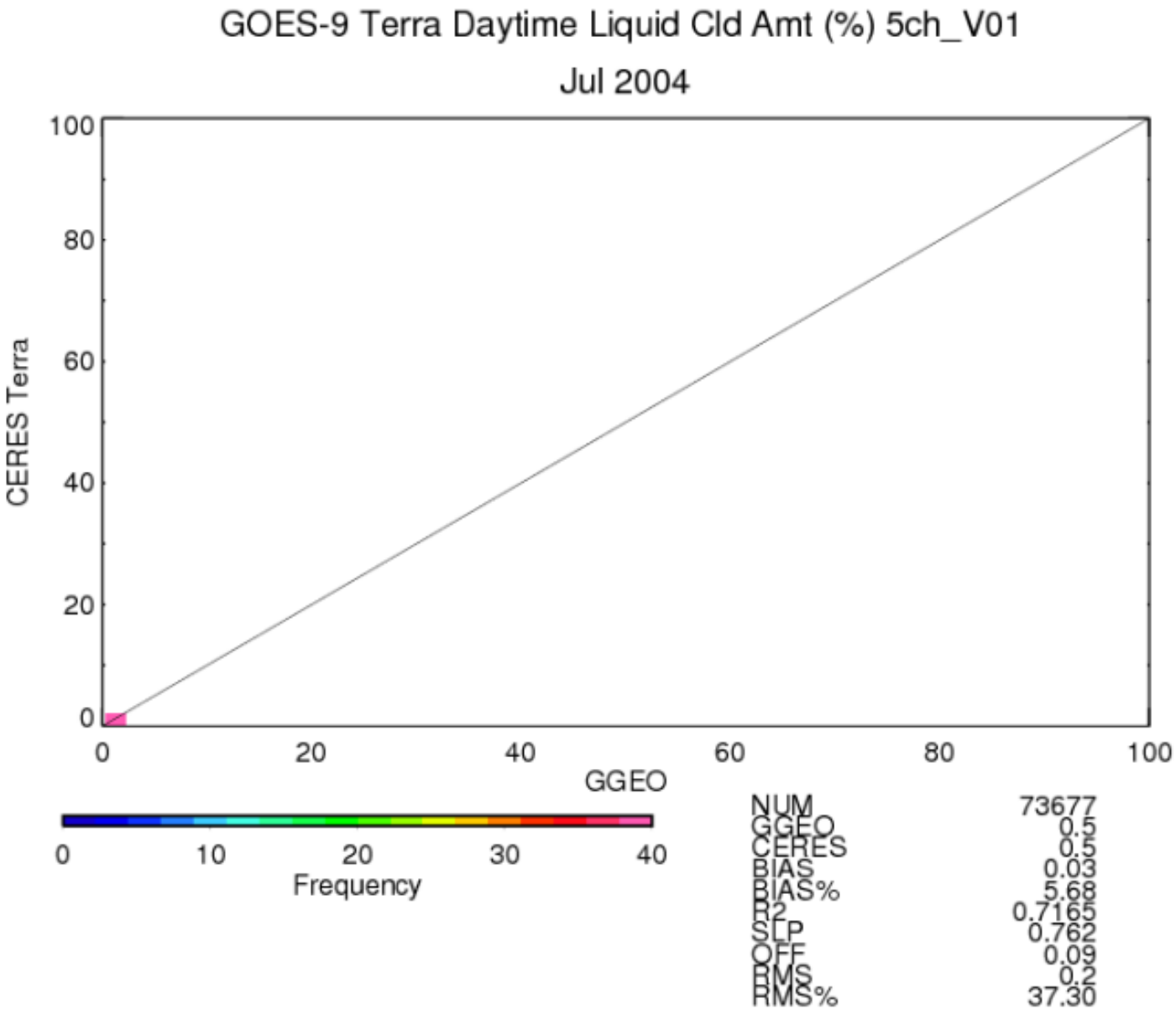

GOES-9 Terra Daytime Cloud Base Pressure (mb) 5ch_V01
Jul 2004
CERES Terra
GGEO
0
200
400
600
800
1000
Frequency
0
10
20
30
40
NUM 88771
GGEO 759.1
CERES 737.1
BIAS 21.98
BIAS% 2.98
R2 0.6379
SLP 0.926
OFF 34.04
RMS 114.3
RMS% 15.51

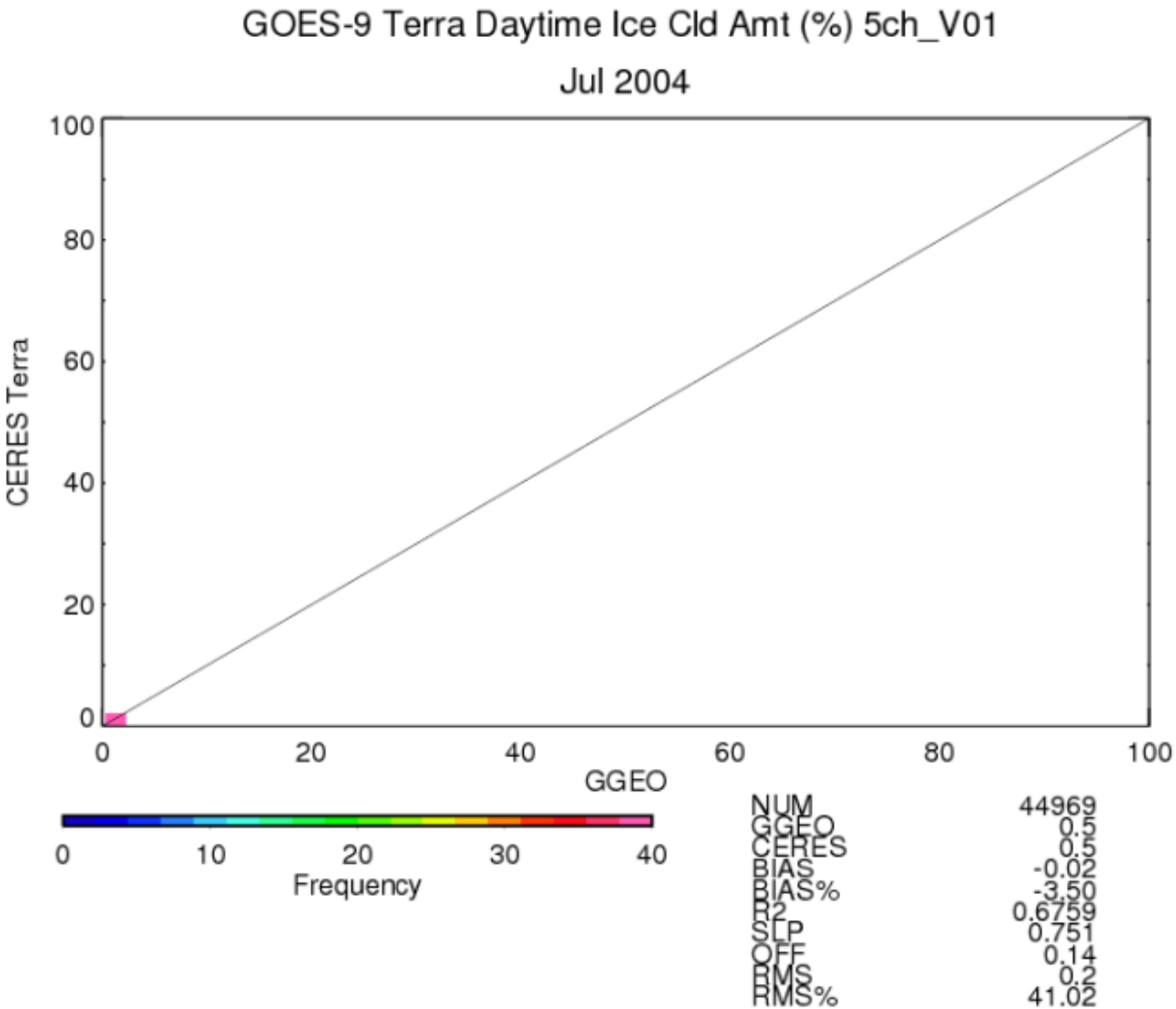

GOES-9 Terra Daytime Cloud Eff Height (km) 5ch_V01
Jul 2004
CERES Terra
GGEO
Frequency
0
10
20
30
40
NUM 88771
GGEO 4.1
CERES 4.7
BIAS -0.62
BIAS% -13.30
R2 0.7588
SLP 0.978
OFF 0.72
RMS 1.8
RMS% 38.57

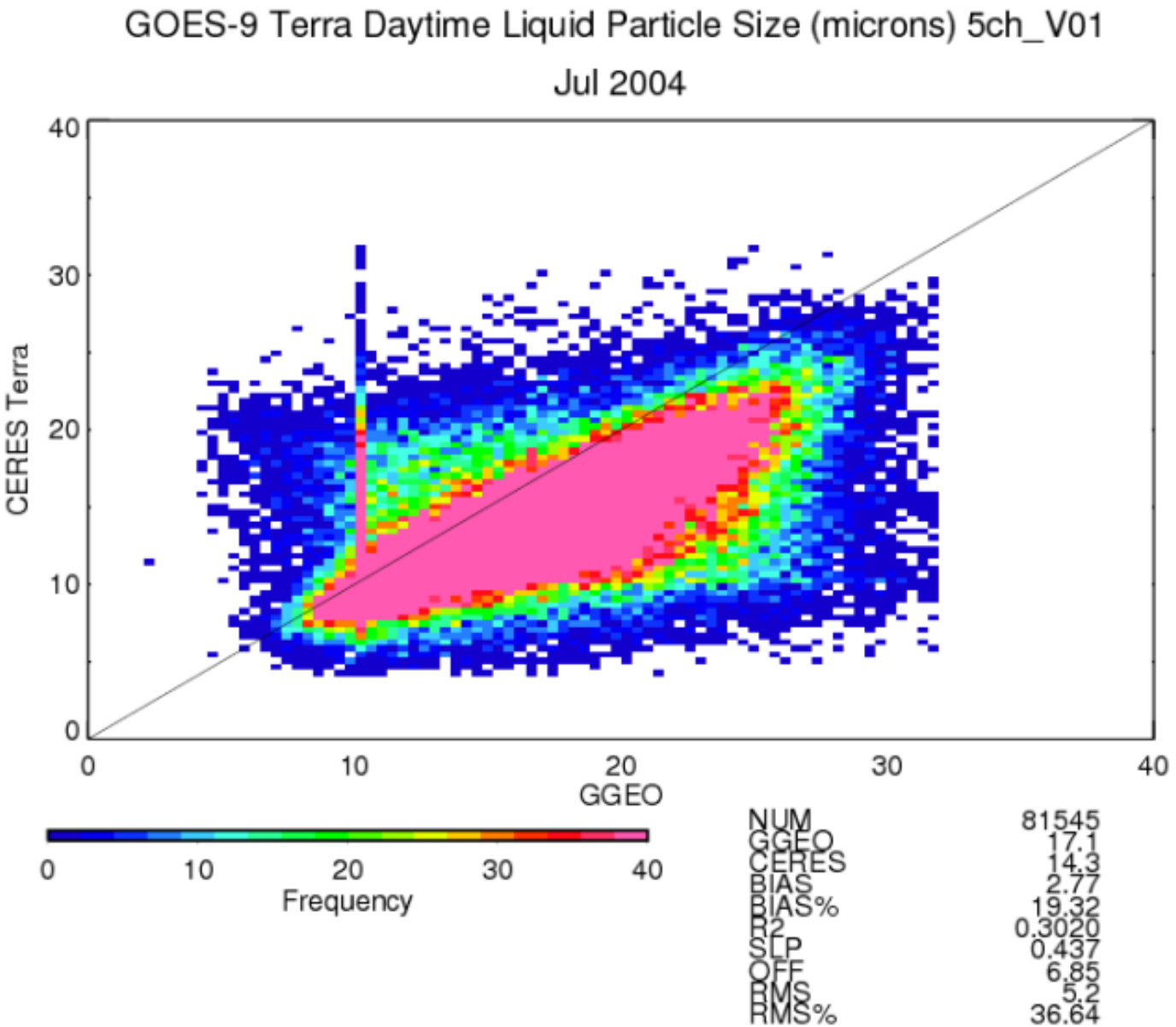

GOES-9 Terra Daytime Cloud Top Height (km) 5ch_V01
Jul 2004
CERES Terra
GGEO
Frequency
0
2
4
6
8
10
12
0
10
20
30
40
NUM 88771
GGEO 4.5
CERES 4.9
BIAS -0.46
BIAS% -9.25
R2 0.7596
SLP 0.894
OFF 0.93
RMS 1.9
RMS% 38.38

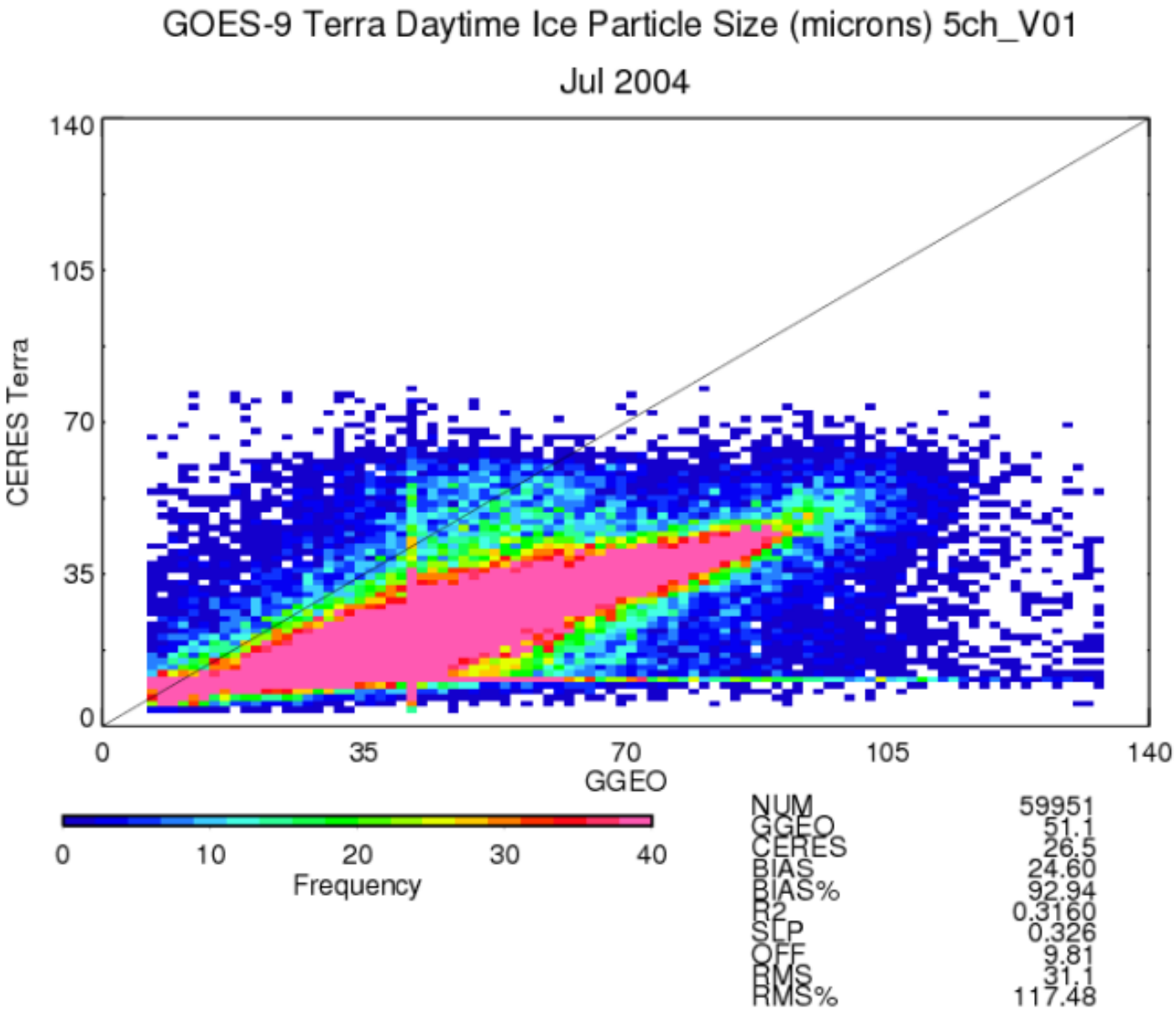

GOES-9 Terra Daytime Cloud Base Height (km) 5ch_V01
Jul 2004
CERES Terra
GGEO
CERES has no valid data
0
2
4
6
8
10
12
NUM 20
GGEO 0.0
CERES 0.0
BIAS 0.00
BIAS% -NaN
R2 NaN
SLP -NaN
OFF -NaN
RMS 0.0
RMS% -NaN

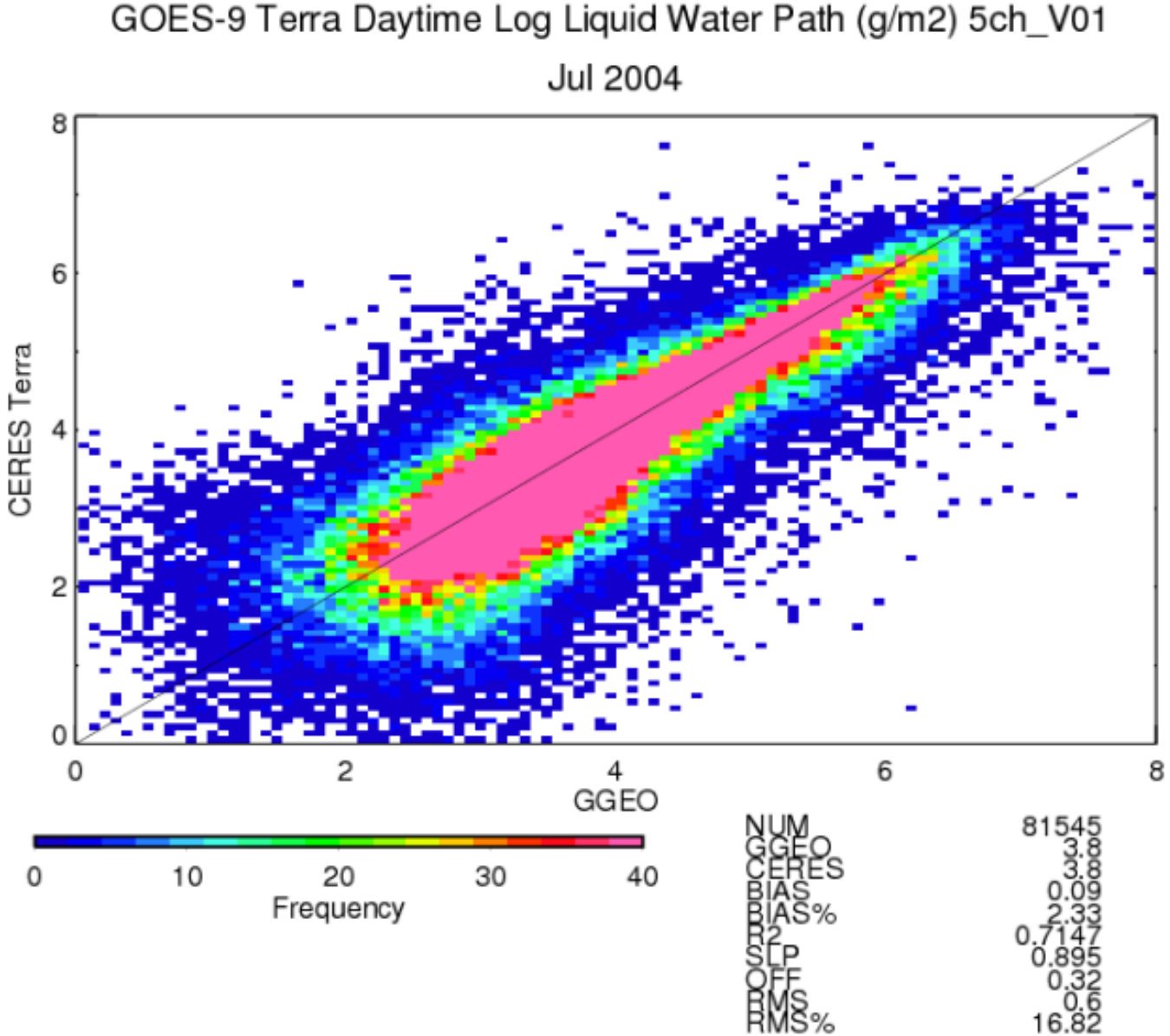

GOES-9 Terra Daytime Cloud Phase 5ch_V01
Jul 2004
CERES Terra
2
1
1
2
GGEO
0
10
20
30
40
Frequency
NUM 88771
GGEO 1.3
CERES 1.3
BIAS -0.02
BIAS% -1.81
R2 0.7432
SLP 0.840
OFF 0.23
RMS 0.2
RMS% 14.49

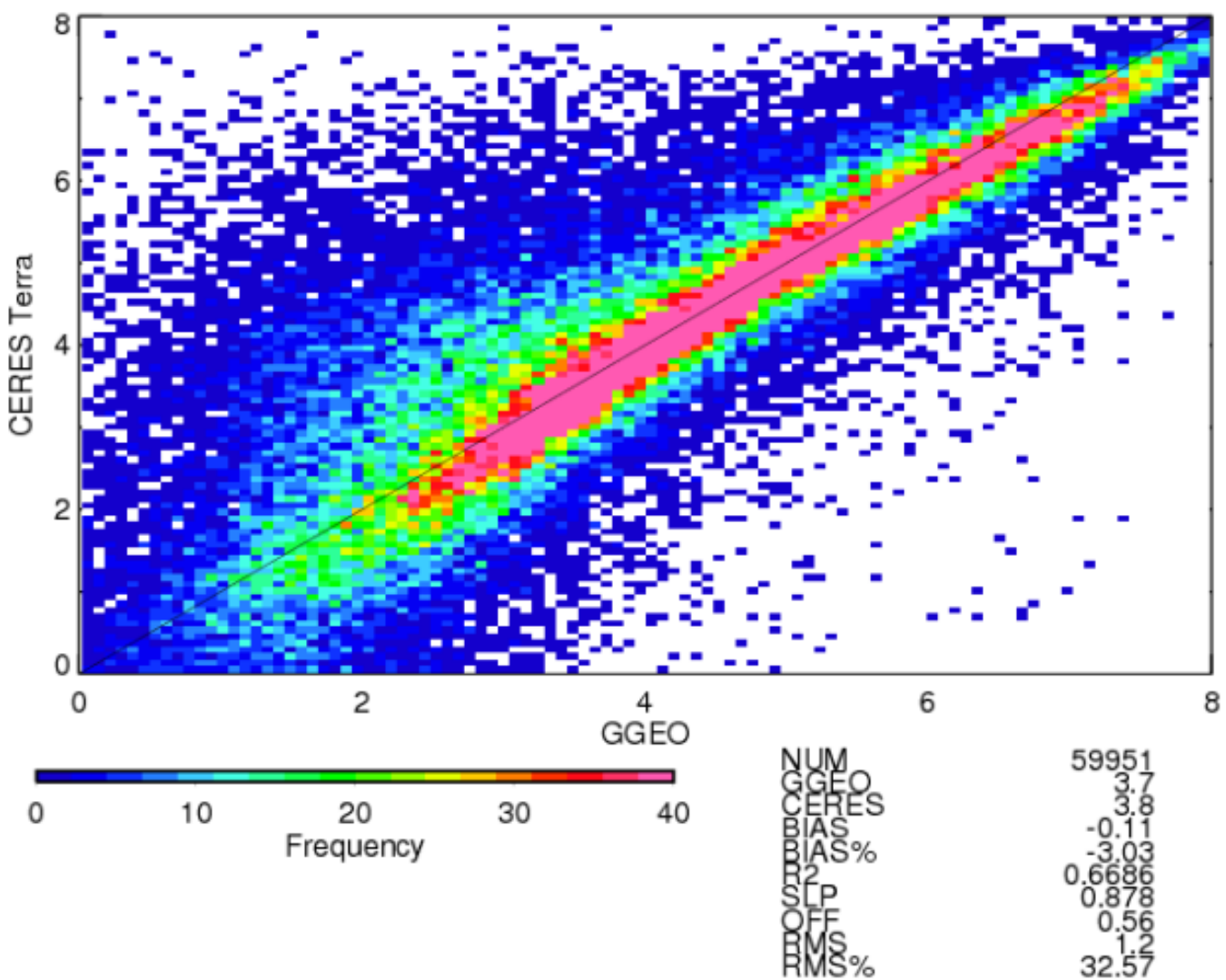

GOES-9 Terra Daytime Liquid Cld Amt (%) 5ch_V01
Jul 2004
CERES Terra
100
80
60
40
20
0
0
20
40
60
80
100
GGEO
0
10
20
30
40
Frequency
NUM 73677
GGEO 0.5
CERES 0.5
BIAS 0.03
BIAS% 5.68
R2 0.7165
SLP 0.762
OFF 0.09
RMS 0.2
RMS% 37.30

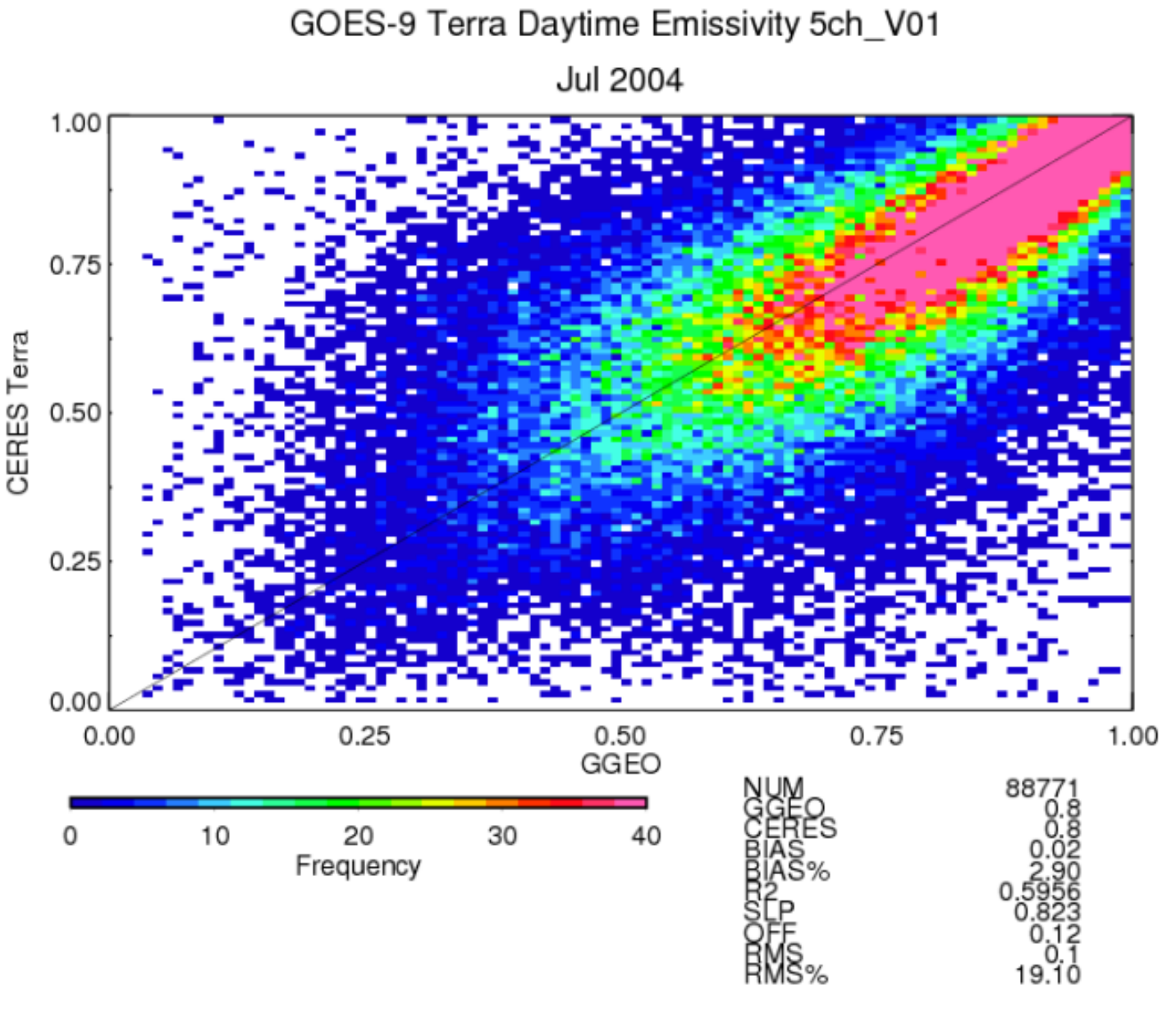

GOES-9 Terra Daytime Ice Cld Amt (%) 5ch_V01
Jul 2004
CERES Terra
100
80
60
40
20
0
0
20
40
60
80
100
GGEO
0
10
20
30
40
Frequency
NUM 44969
GGEO 0.5
CERES 0.5
BIAS -0.02
BIAS% -3.50
R2 0.6759
SLP 0.751
OFF 0.14
RMS 0.2
RMS% 41.02

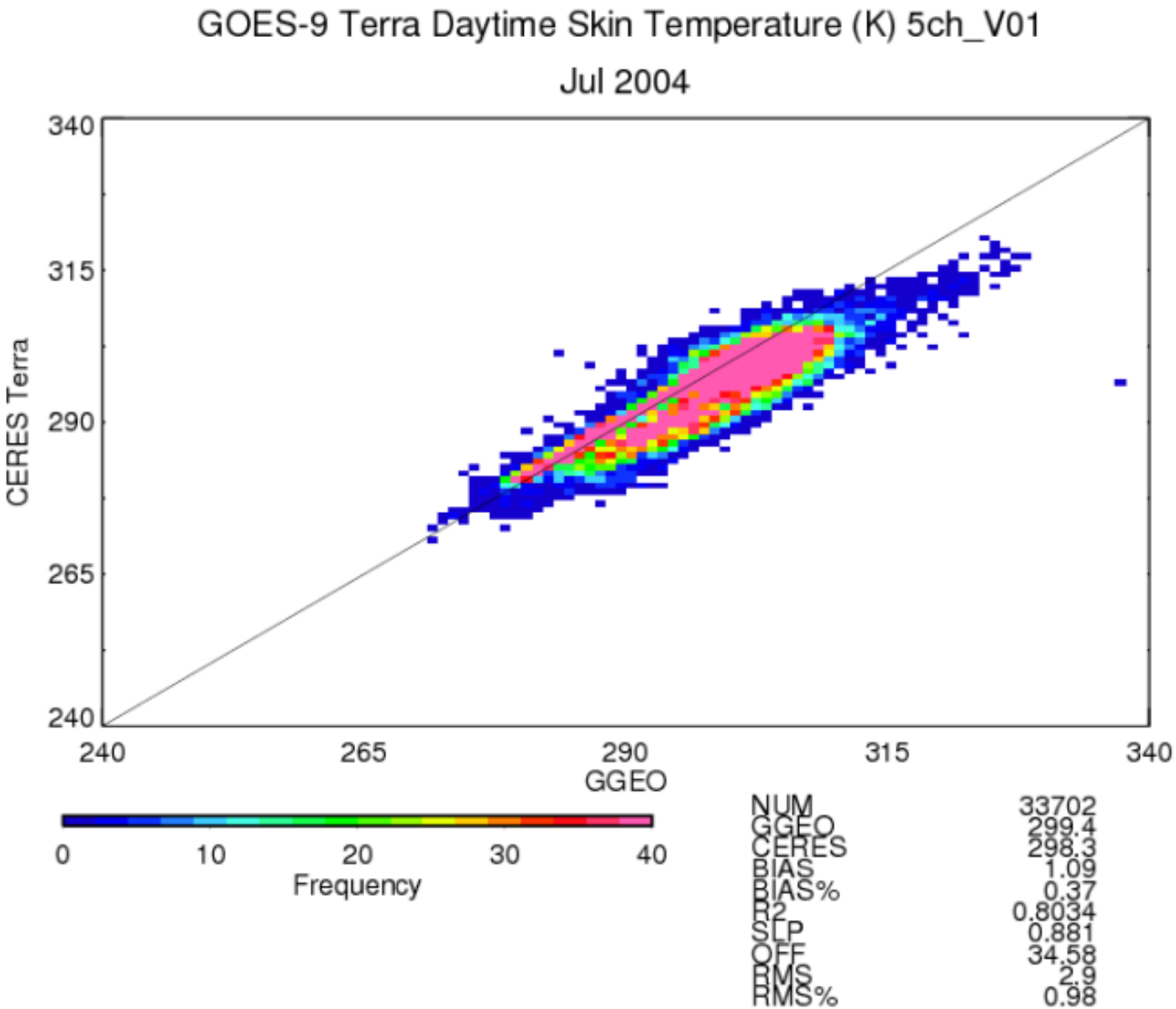

GOES-9 Terra Daytime Liquid Particle Size (microns) 5ch_V01
Jul 2004
CERES Terra
GGEO
Frequency
0
10
20
30
40
NUM 81545
GGEO 17.1
CERES 14.3
BIAS 2.77
BIAS% 19.32
R2 0.3020
SLP 0.437
OFF 6.85
RMS 5.2
RMS% 36.64

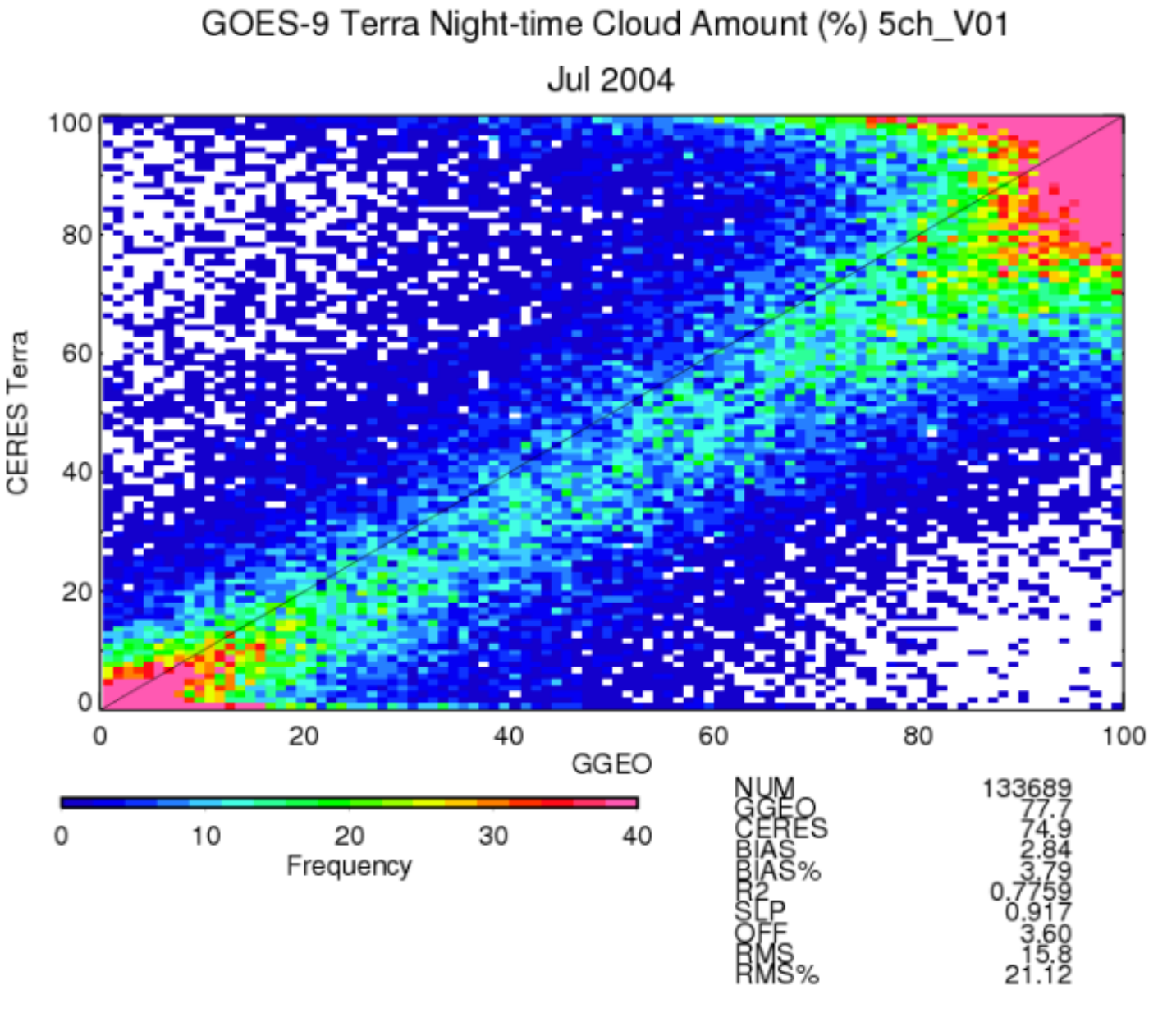

GOES-9 Terra Daytime Ice Particle Size (microns) 5ch_V01
Jul 2004
CERES Terra
GGEO
0
35
70
105
140
Frequency
0
10
20
30
40
NUM 59951
GGEO 51.1
CERES 26.5
BIAS 24.60
BIAS% 92.94
R2 0.3160
SLP 0.326
OFF 9.81
RMS 31.1
RMS% 117.48

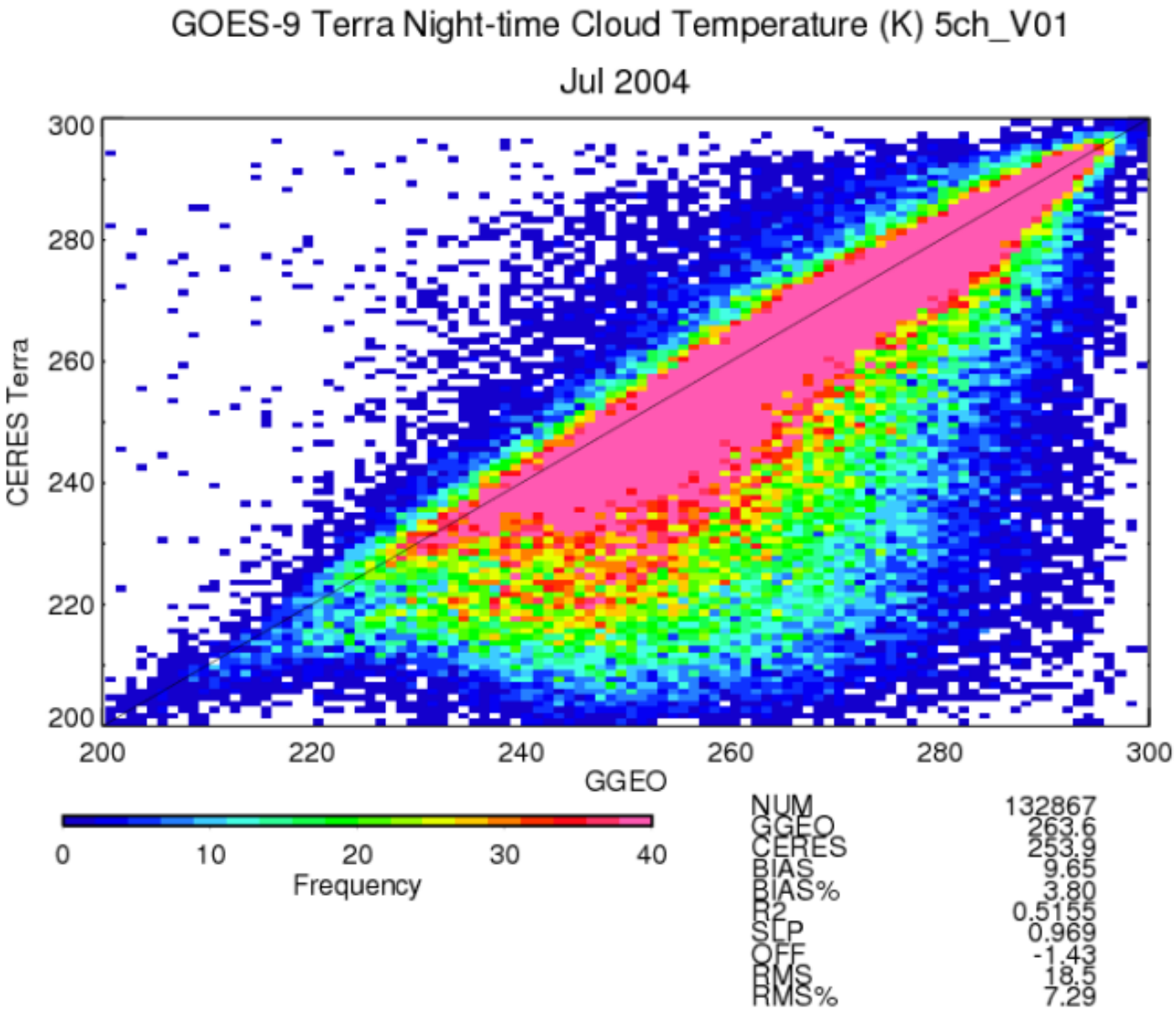

GOES-9 Terra Daytime Log Liquid Water Path (g/m2) 5ch_V01
Jul 2004
CERES Terra
GGEO
0
2
4
6
8
0
10
20
30
40
Frequency
NUM 81545
GGEO 3.8
CERES 3.8
BIAS 0.09
BIAS% 2.33
R2 0.7147
SLP 0.895
OFF 0.32
RMS 0.6
RMS% 16.82

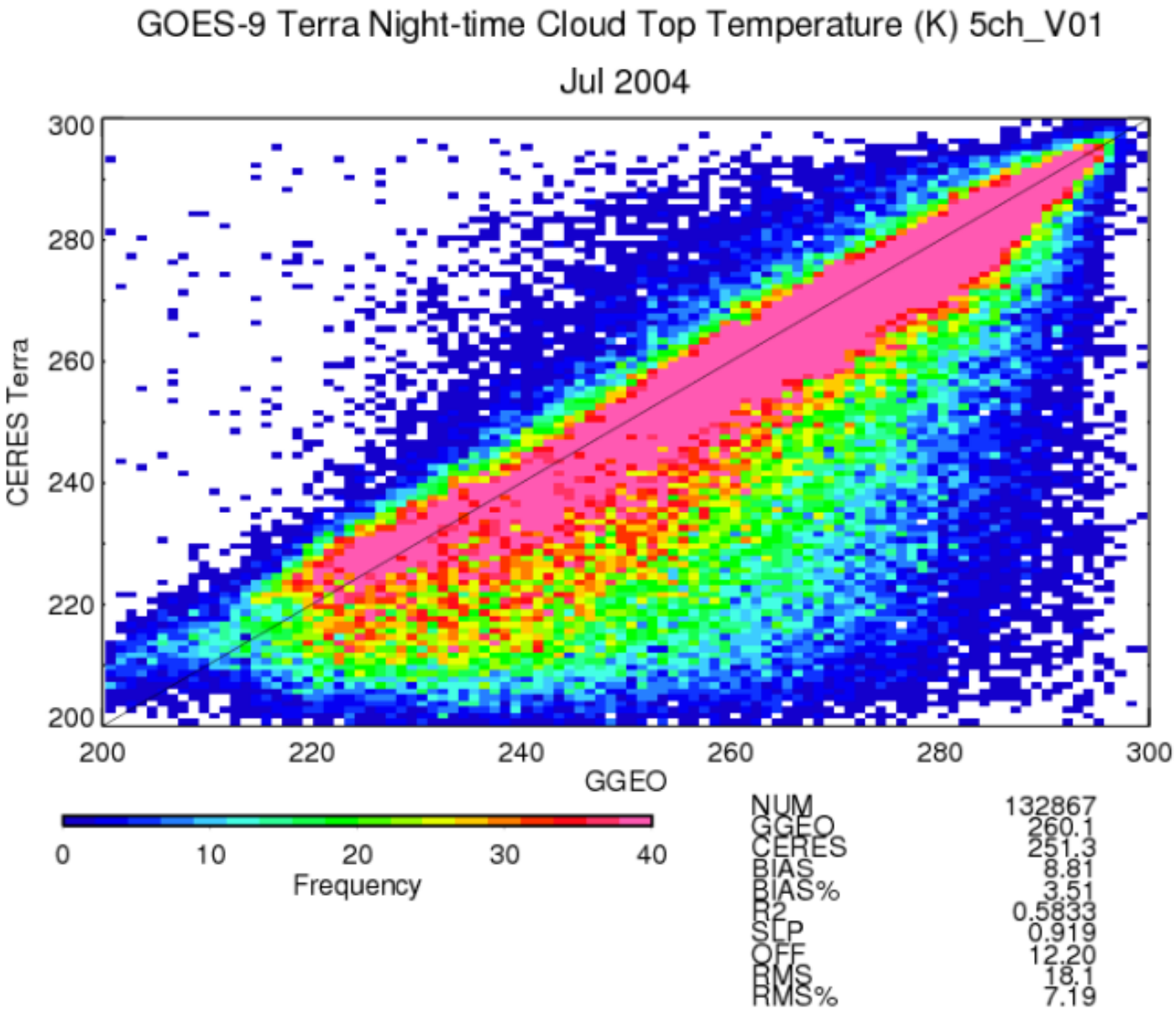

GOES-9 Terra Daytime Log Ice Water Path (g/m2) 5ch_V01
Jul 2004
CERES Terra
GGEO
0
2
4
6
8
0
10
20
30
40
Frequency
NUM 59951
GGEO 3.7
CERES 3.8
BIAS -0.11
BIAS% -3.03
R2 0.6686
SLP 0.878
OFF 0.56
RMS 1.2
RMS% 32.57

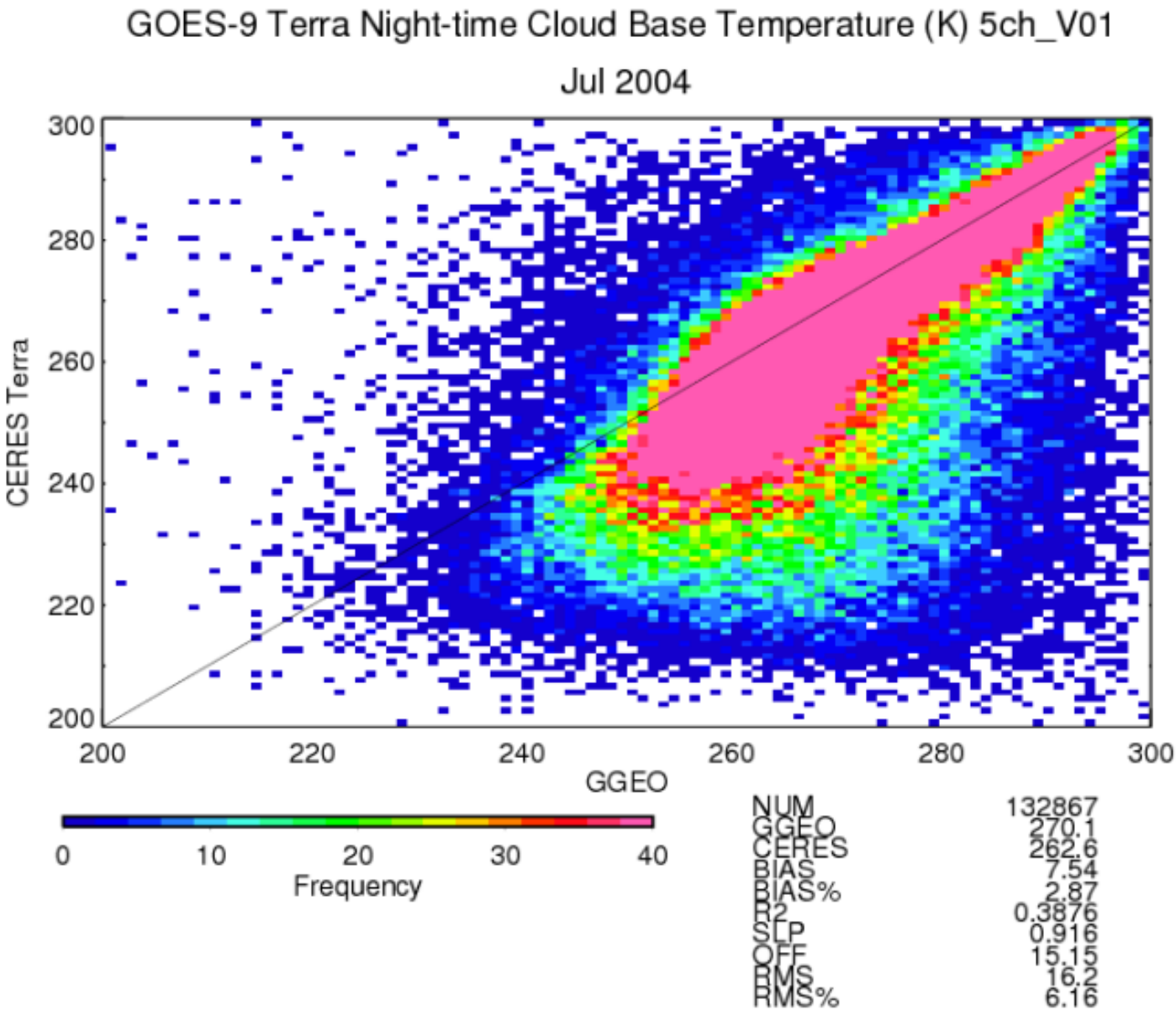

GOES-9 Terra Daytime Emissivity 5ch_V01
Jul 2004
CERES Terra
1.00
0.75
0.50
0.25
0.00
0.00
0.25
0.50
0.75
1.00
GGEO
0
10
20
30
40
Frequency
NUM 88771
GGEO 0.8
CERES 0.8
BIAS 0.02
BIAS% 2.90
R2 0.5956
SLP 0.823
OFF 0.12
RMS 0.1
RMS% 19.10

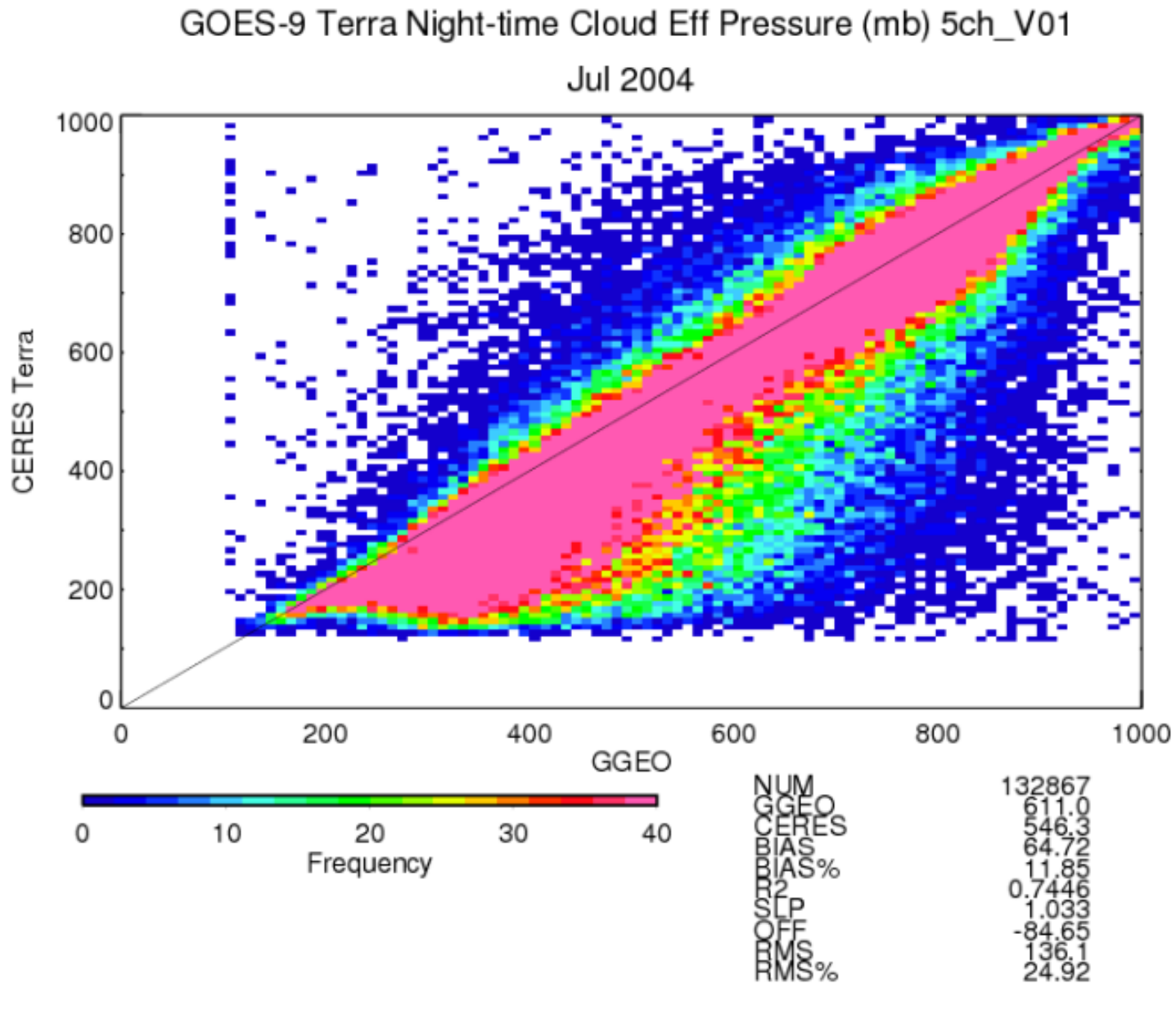

GOES-9 Terra Daytime Skin Temperature (K) 5ch_V01
Jul 2004
CERES Terra
340
315
290
265
240
240
265
290
315
340
GGEO
0
10
20
30
40
Frequency
NUM 33702
GGEO 299.4
CERES 298.3
BIAS 1.09
BIAS% 0.37
R2 0.8034
SLP 0.881
OFF 34.58
RMS 2.9
RMS% 0.98

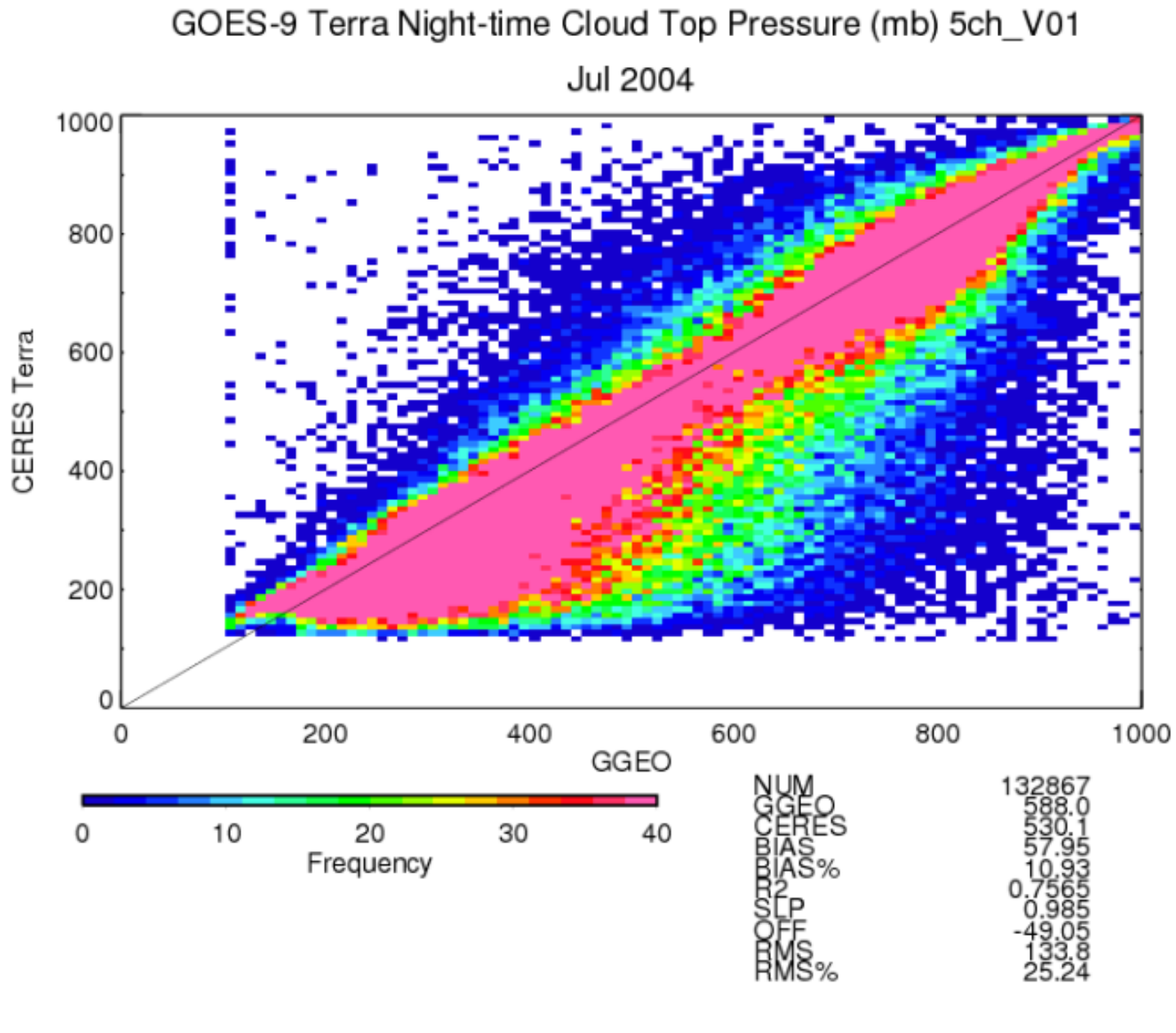

GOES-9 Terra Night-time Cloud Amount (%) 5ch_V01
Jul 2004
CERES Terra
GGEO
Frequency
0
10
20
30
40
0
20
40
60
80
100
NUM 133689
GGEO 77.7
CERES 74.9
BIAS 2.84
BIAS% 3.79
R2 0.7759
SLP 0.917
OFF 3.60
RMS 15.8
RMS% 21.12

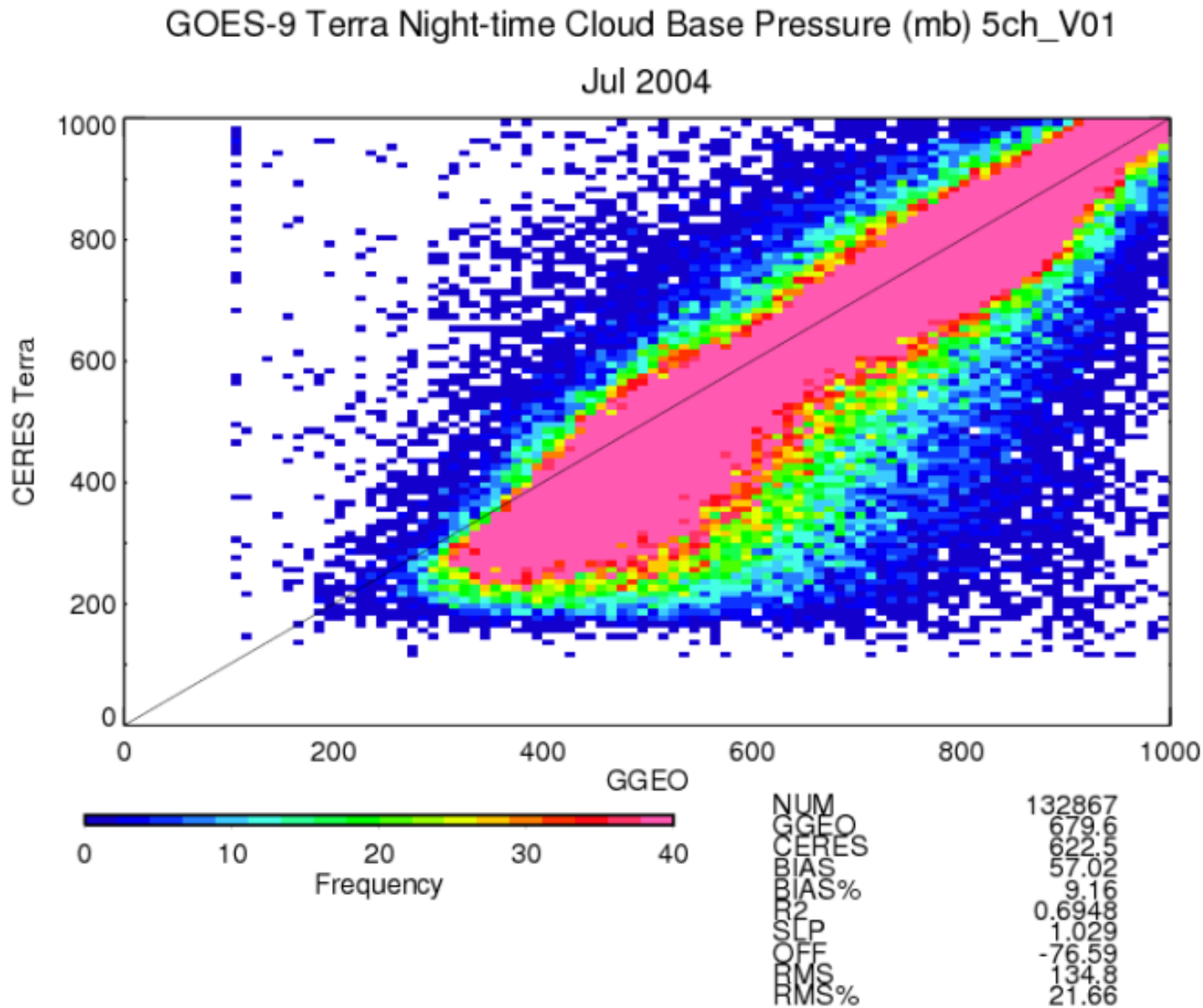

GOES-9 Terra Night-time Cloud Temperature (K) 5ch_V01
Jul 2004
CERES Terra
GGEO
300
280
260
240
220
200
200
220
240
260
280
300
0
10
20
30
40
Frequency
NUM 132867
GGEO 263.6
CERES 253.9
BIAS 9.65
BIAS% 3.80
R2 0.5155
SLP 0.969
OFF -1.43
RMS 18.5
RMS% 7.29

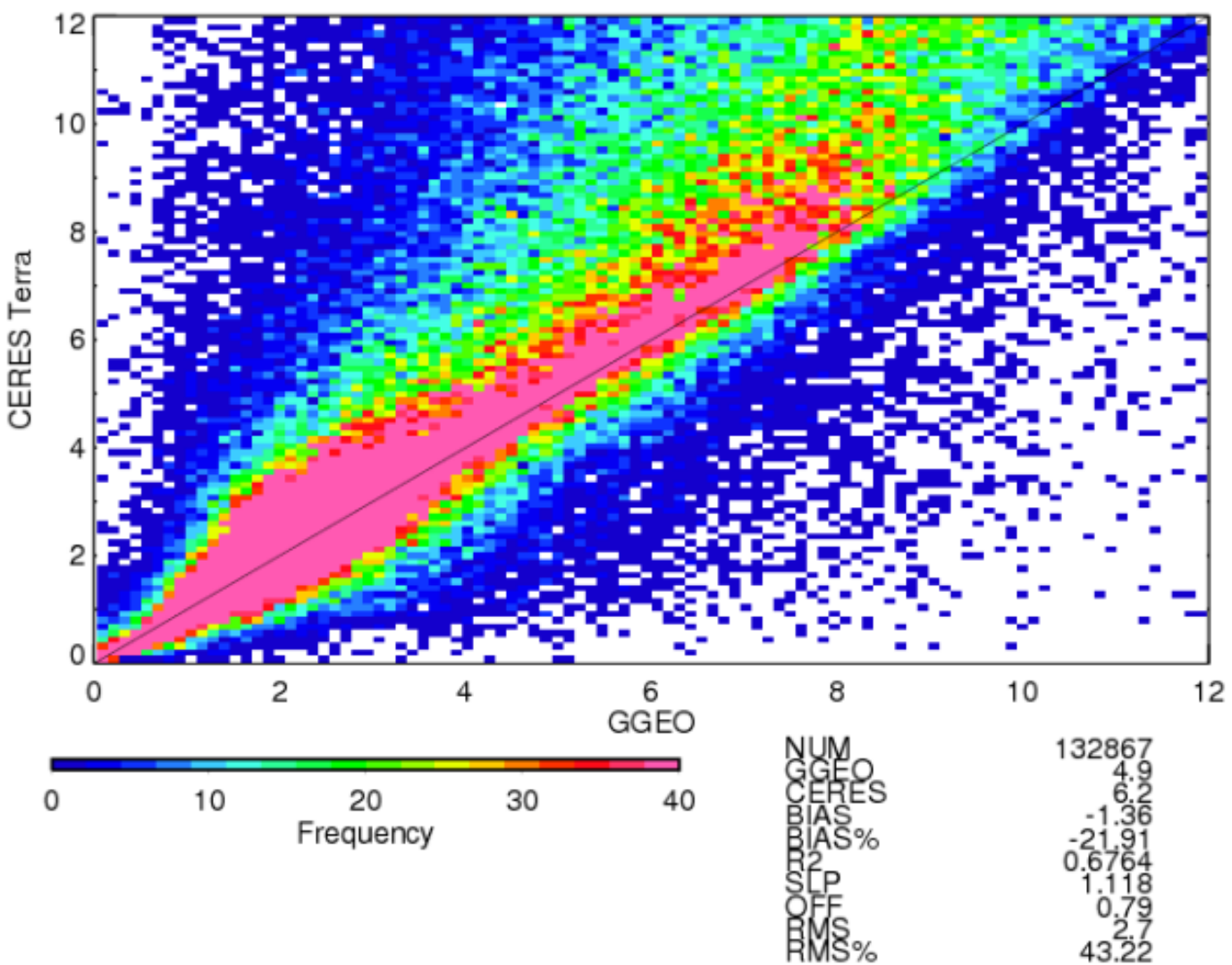

GOES-9 Terra Night-time Cloud Top Temperature (K) 5ch_V01
Jul 2004
CERES Terra
GGEO
Frequency
NUM 132867
GGEO 260.1
CERES 251.3
BIAS 8.81
BIAS% 3.51
R2 0.5833
SLP 0.919
OFF 12.20
RMS 18.1
RMS% 7.19

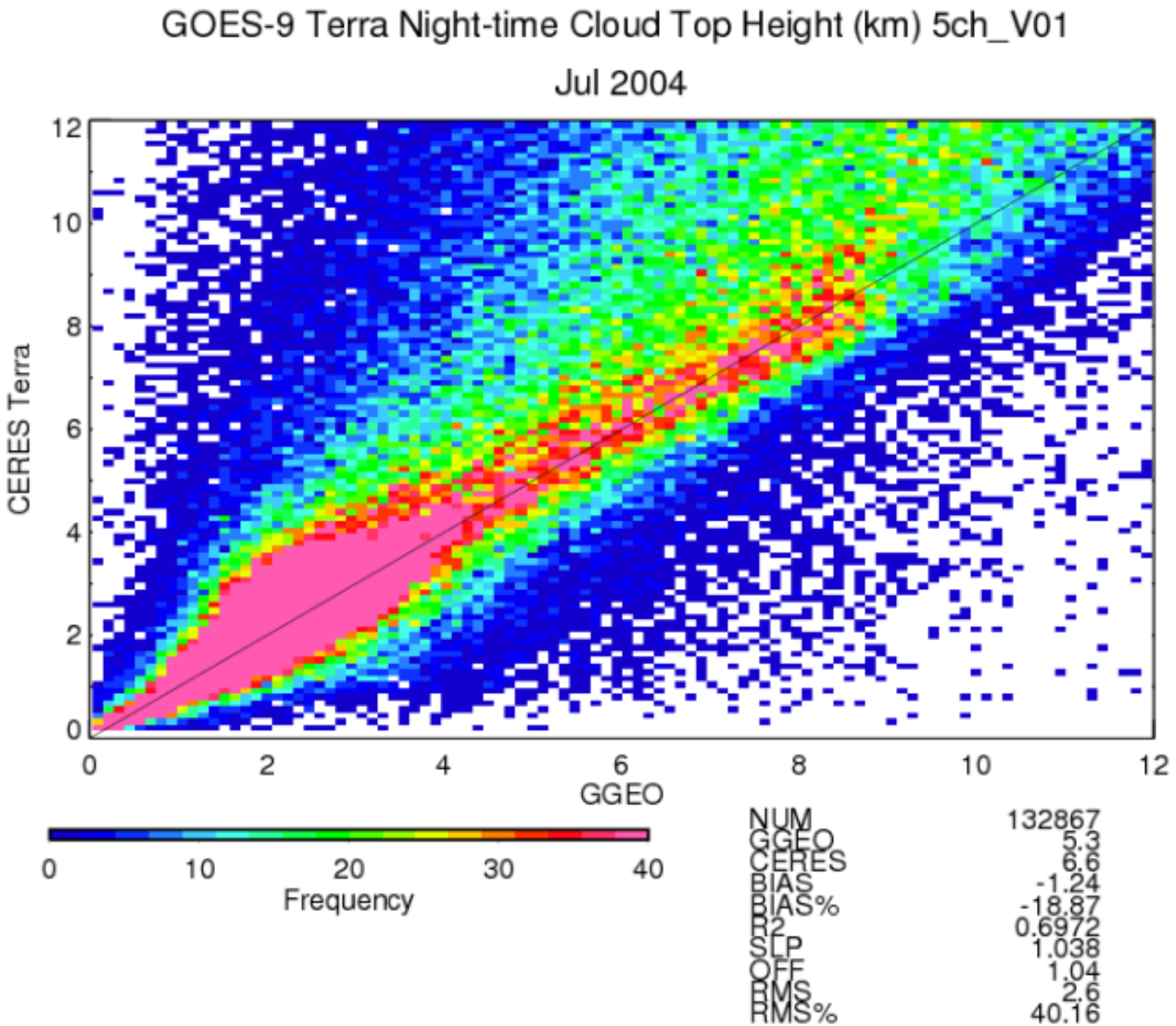

GOES-9 Terra Night-time Cloud Base Temperature (K) 5ch_V01
Jul 2004
CERES Terra
GGEO
300
280
260
240
220
200
200
220
240
260
280
300
0
10
20
30
40
Frequency
NUM 132867
GGEO 270.1
CERES 262.6
BIAS 7.54
BIAS% 2.87
R2 0.3876
SLP 0.916
OFF 15.15
RMS 16.2
RMS% 6.16

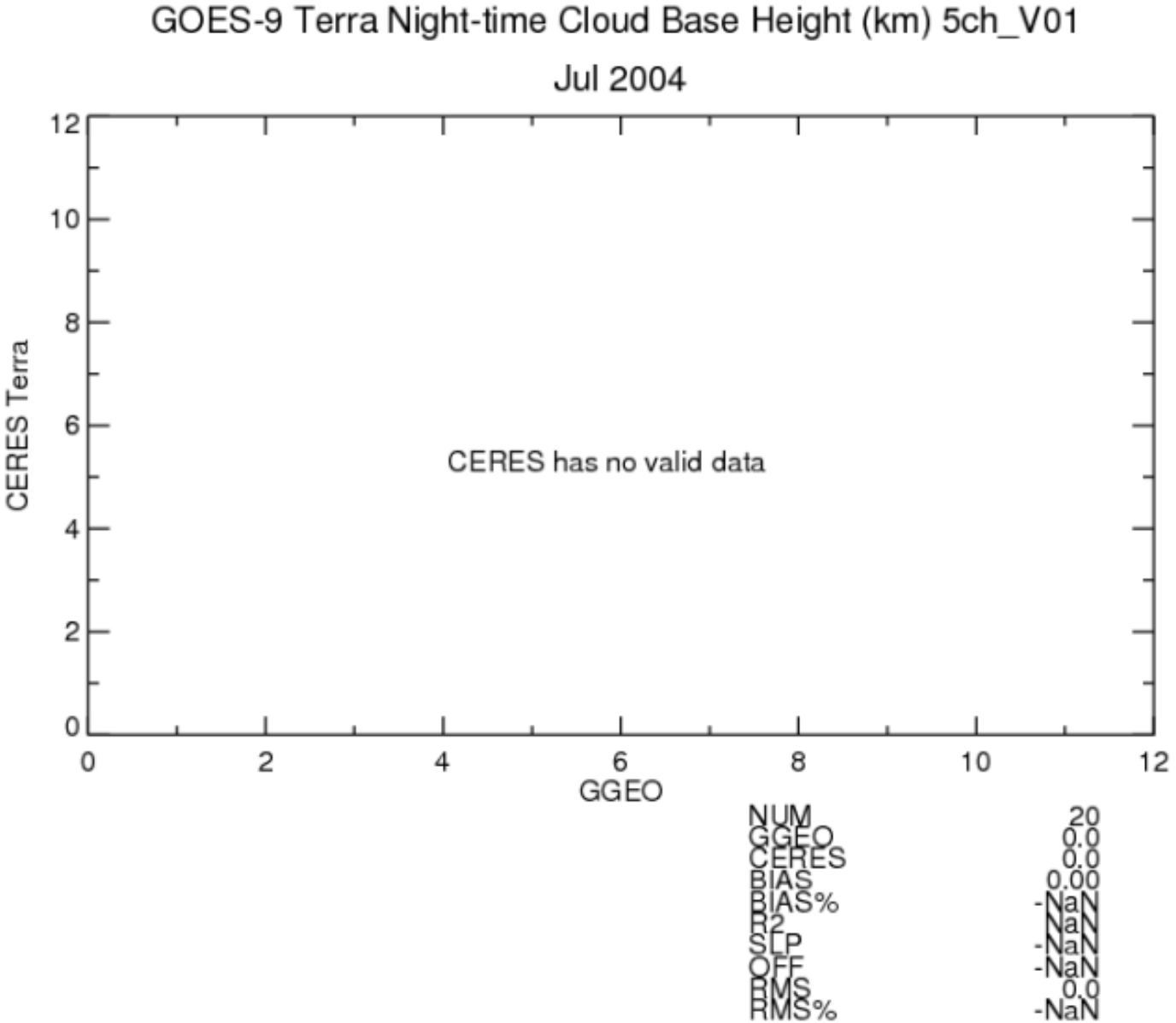

GOES-9 Terra Night-time Cloud Eff Pressure (mb) 5ch_V01
Jul 2004
CERES Terra
GGEO
0
200
400
600
800
1000
Frequency
0
10
20
30
40
NUM 132867
GGEO 611.0
CERES 546.3
BIAS 64.72
BIAS% 11.85
R2 0.7446
SLP 1.033
OFF -84.65
RMS 136.1
RMS% 24.92

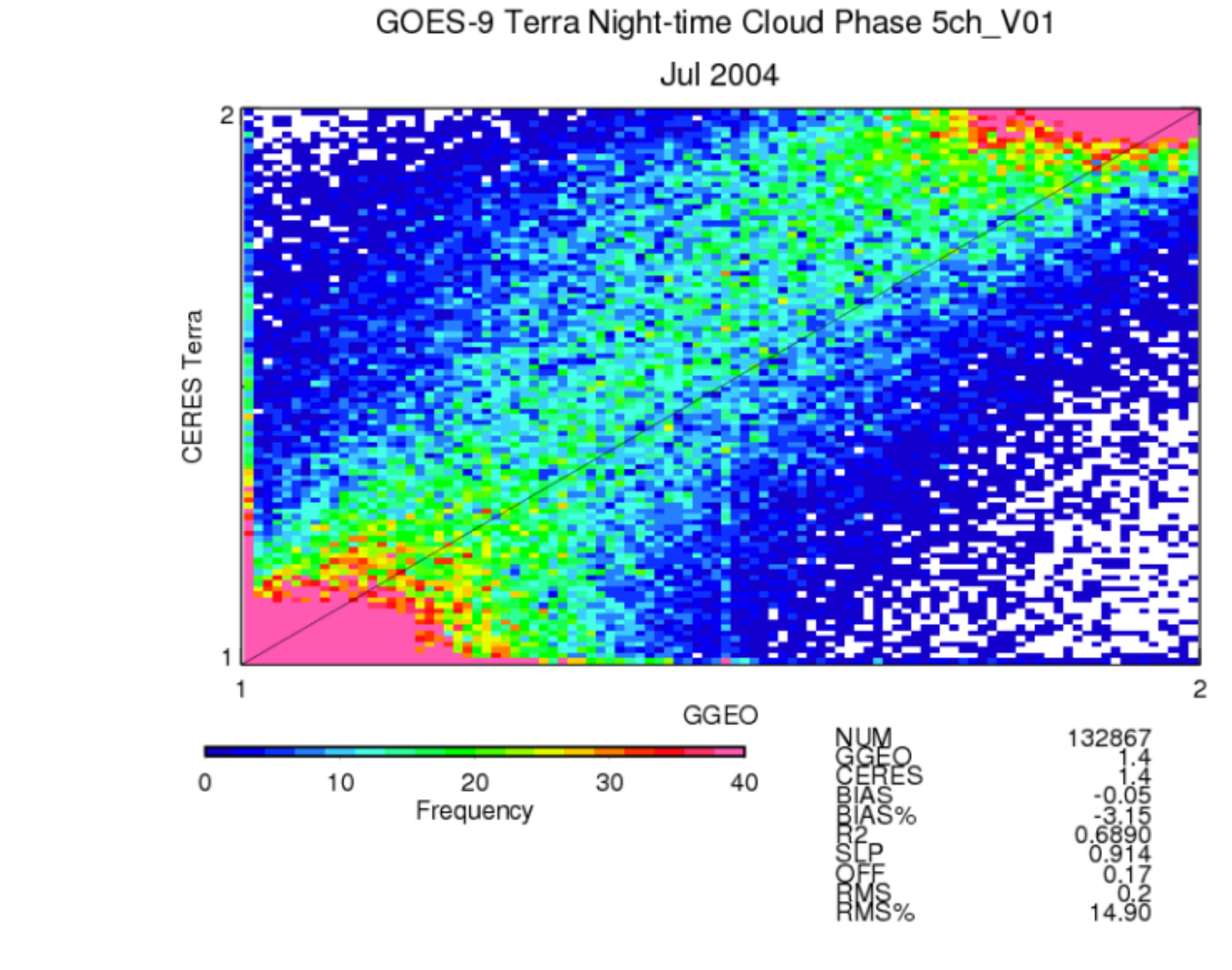

GOES-9 Terra Night-time Cloud Top Pressure (mb) 5ch_V01
Jul 2004
CERES Terra
GGEO
0
200
400
600
800
1000
Frequency
0
10
20
30
40
NUM 132867
GGEO 588.0
CERES 530.1
BIAS 57.95
BIAS% 10.93
R2 0.7565
SLP 0.985
OFF -49.05
RMS 133.8
RMS% 25.24

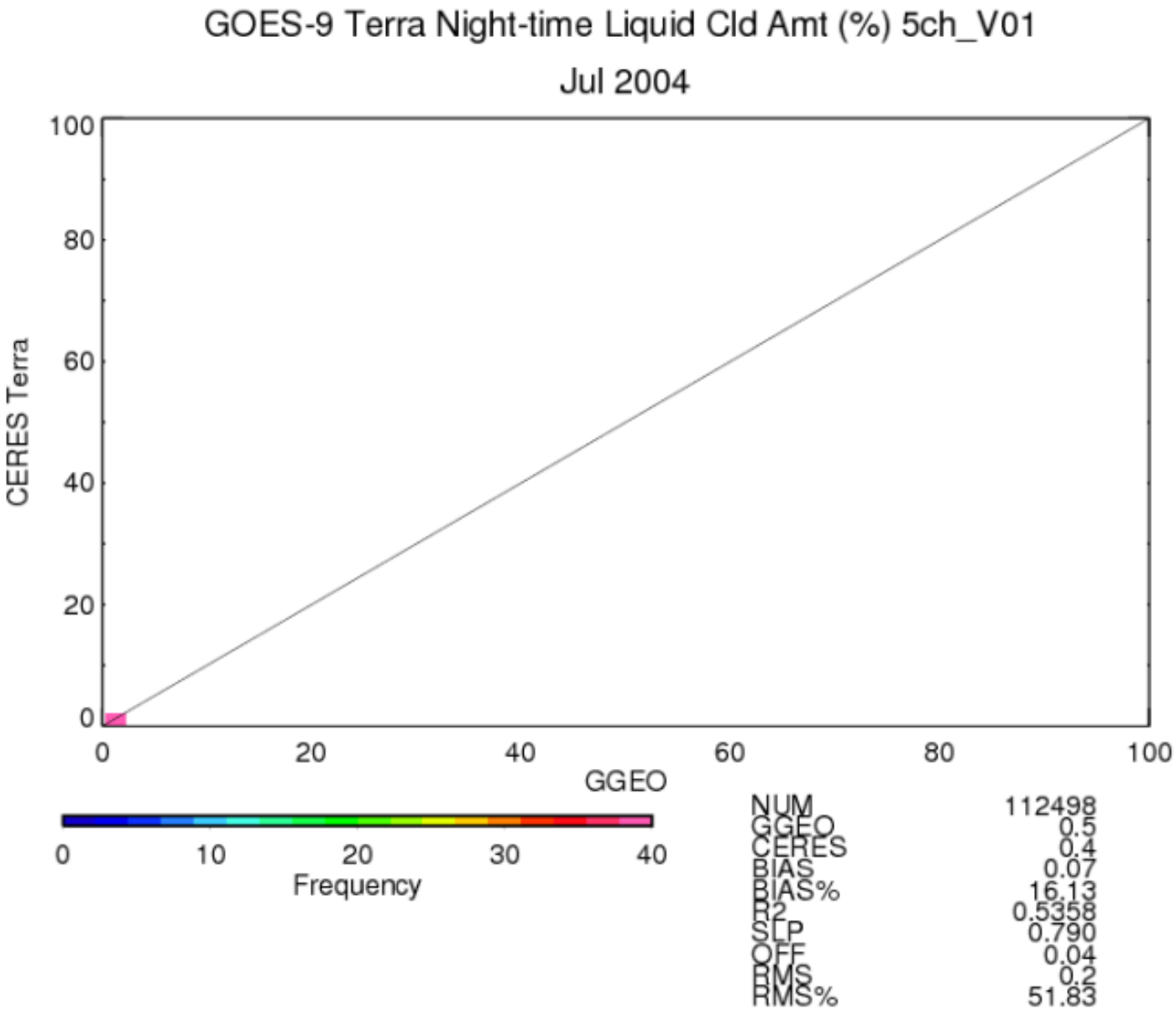

GOES-9 Terra Night-time Cloud Base Pressure (mb) 5ch_V01
Jul 2004
CERES Terra
GGEO
0
200
400
600
800
1000
Frequency
0
10
20
30
40
NUM 132867
GGEO 679.6
CERES 622.5
BIAS 57.02
BIAS% 9.16
R2 0.6948
SLP 1.029
OFF -76.59
RMS 134.8
RMS% 21.66

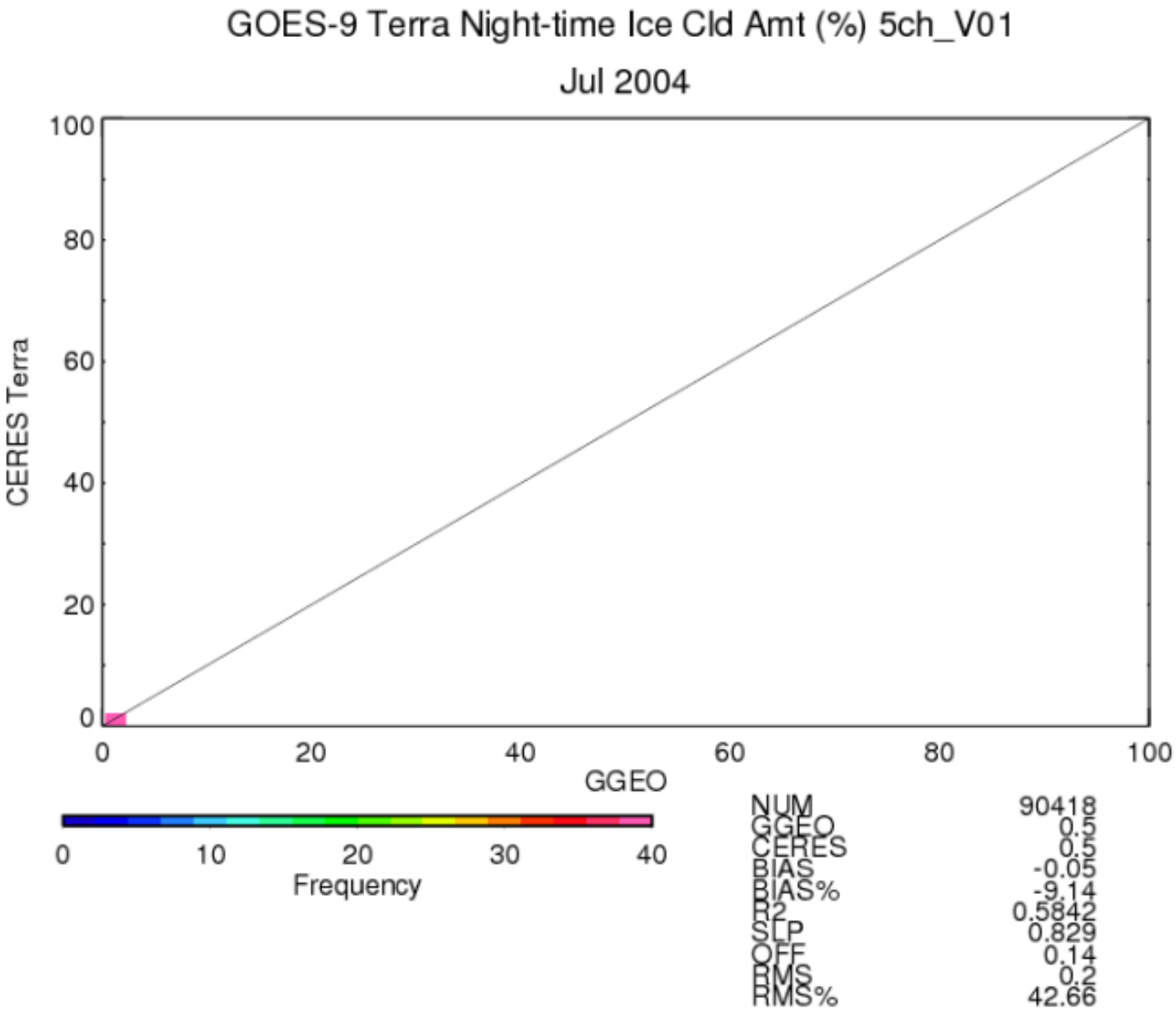

GOES-9 Terra Night-time Cloud Eff Height (km) 5ch_V01
Jul 2004
CERES Terra
GGEO
0
2
4
6
8
10
12
Frequency
0
10
20
30
40
NUM 132867
GGEO 4.9
CERES 6.2
BIAS -1.36
BIAS% -21.91
R2 0.6764
SLP 1.118
OFF 0.79
RMS 2.7
RMS% 43.22

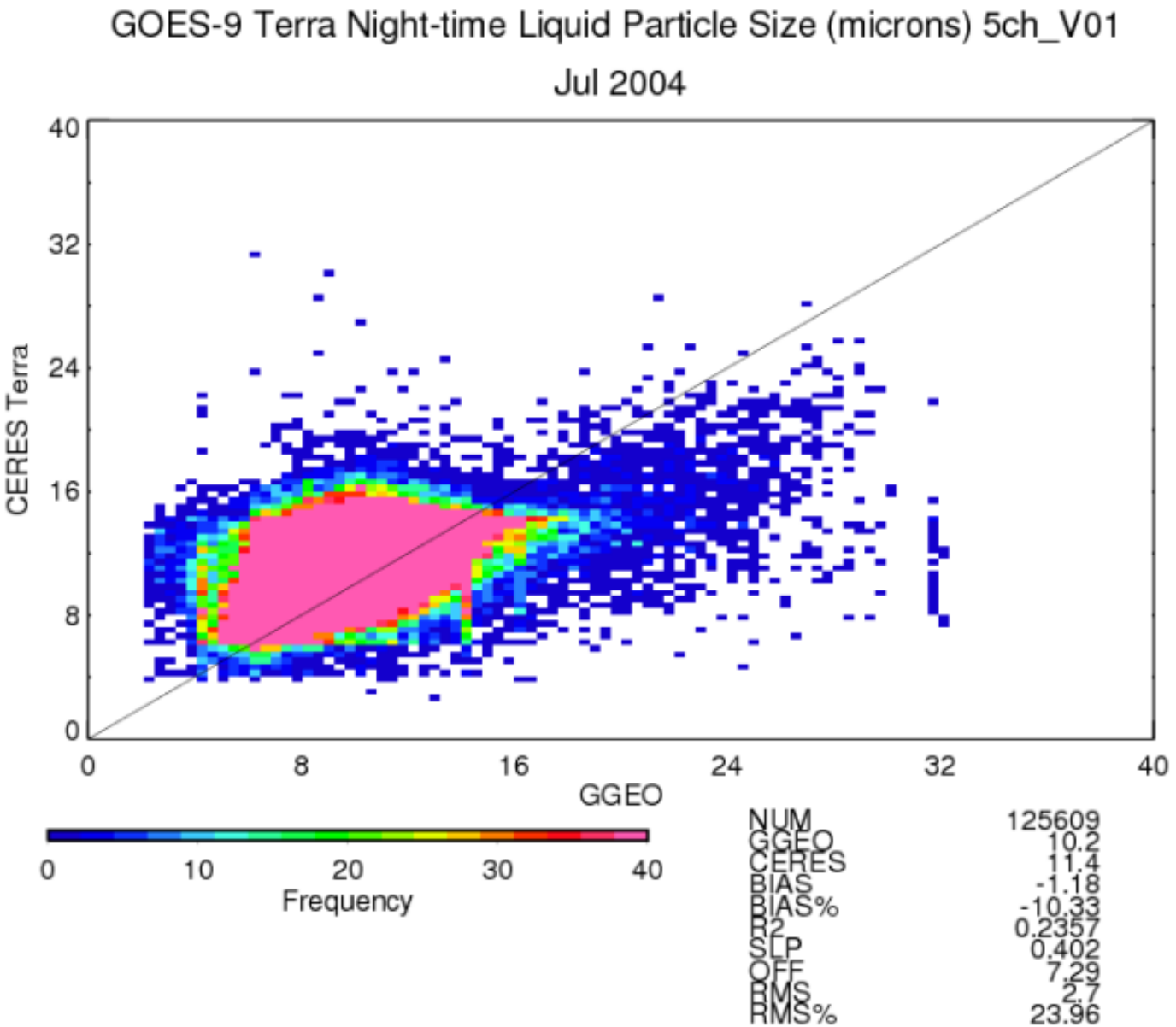

GOES-9 Terra Night-time Cloud Top Height (km) 5ch_V01
Jul 2004
CERES Terra
GGEO
0
2
4
6
8
10
12
Frequency
0
10
20
30
40
NUM 132867
GGEO 5.3
CERES 6.6
BIAS -1.24
BIAS% -18.87
R2 0.6972
SLP 1.038
OFF 1.04
RMS 2.6
RMS% 40.16

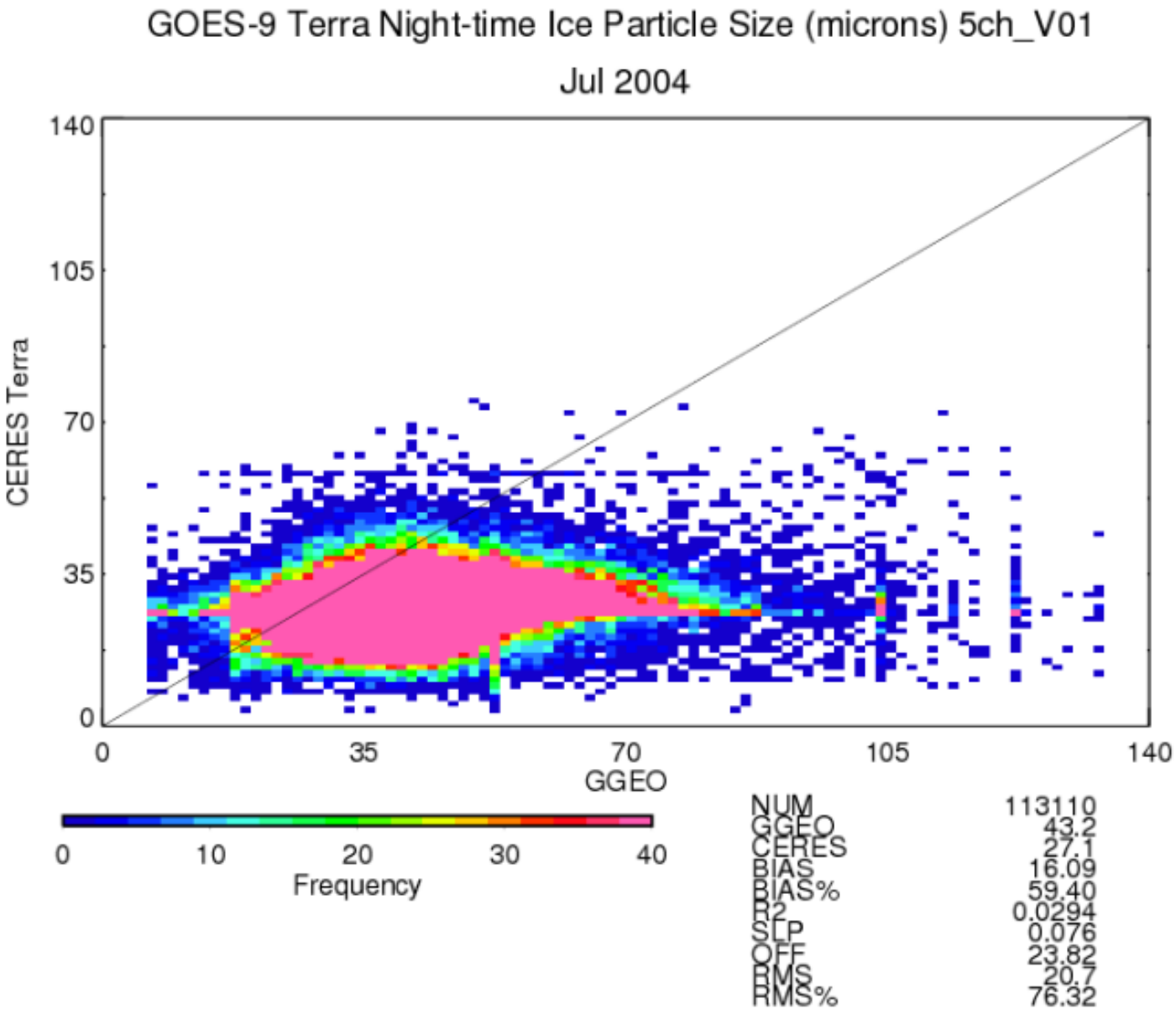

GOES-9 Terra Night-time Cloud Base Height (km) 5ch_V01
Jul 2004
CERES Terra
GGEO
CERES has no valid data
0
2
4
6
8
10
12
NUM 20
GGEO 0.0
CERES 0.0
BIAS 0.00
BIAS% -NaN
R2 NaN
SLP -NaN
OFF -NaN
RMS 0.0
RMS% -NaN

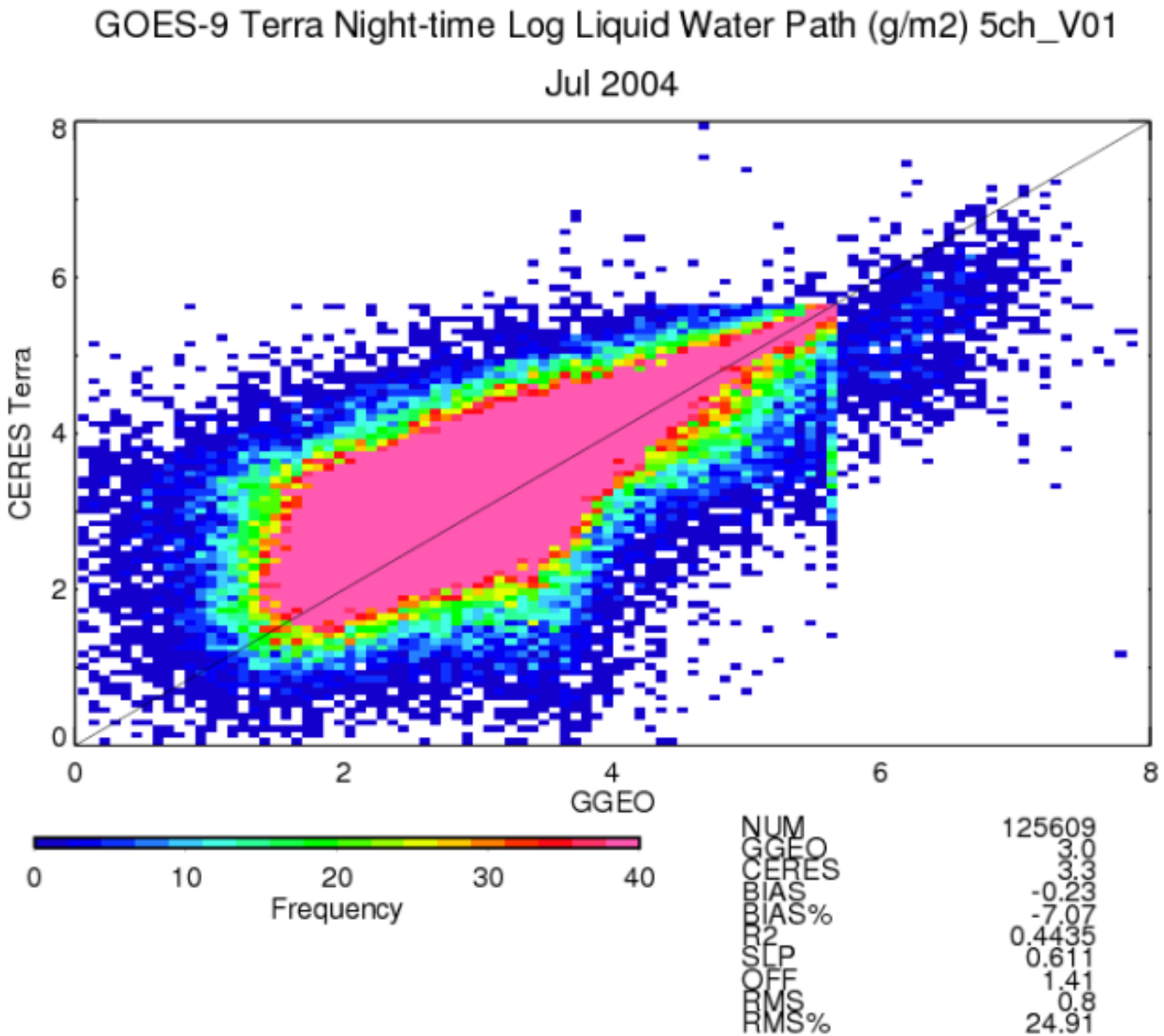

GOES-9 Terra Night-time Cloud Phase 5ch_V01
Jul 2004
CERES Terra
2
1
1
2
GGEO
0
10
20
30
40
Frequency
NUM 132867
GGEO 1.4
CERES 1.4
BIAS -0.05
BIAS% -3.15
R2 0.6890
SLP 0.914
OFF 0.17
RMS 0.2
RMS% 14.90

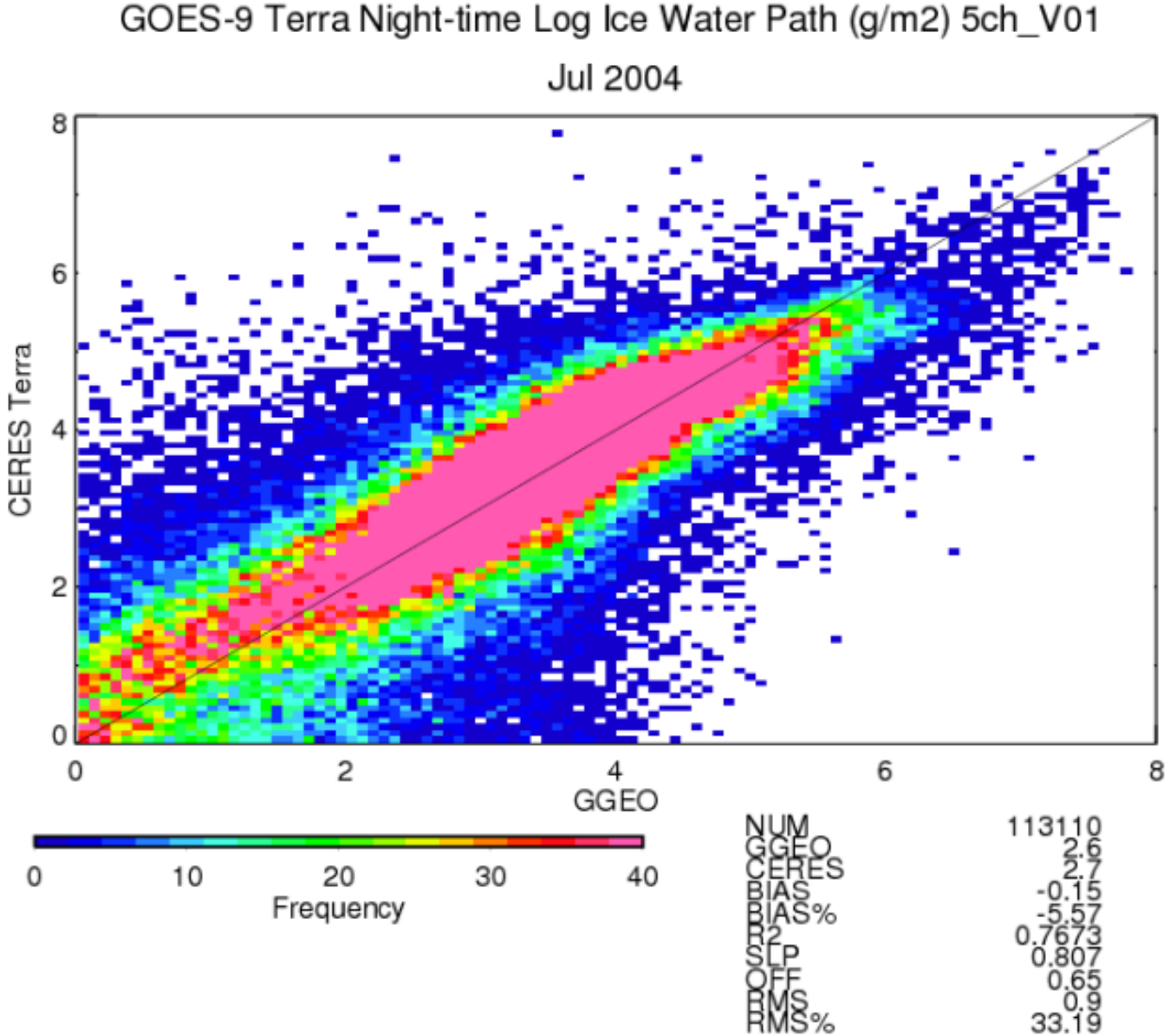

GOES-9 Terra Night-time Liquid Cld Amt (%) 5ch_V01
Jul 2004
CERES Terra
100
80
60
40
20
0
0
20
40
60
80
100
GGEO
0
10
20
30
40
Frequency
NUM 112498
GGEO 0.5
CERES 0.4
BIAS 0.07
BIAS% 16.13
R2 0.5358
SLP 0.790
OFF 0.04
RMS 0.2
RMS% 51.83

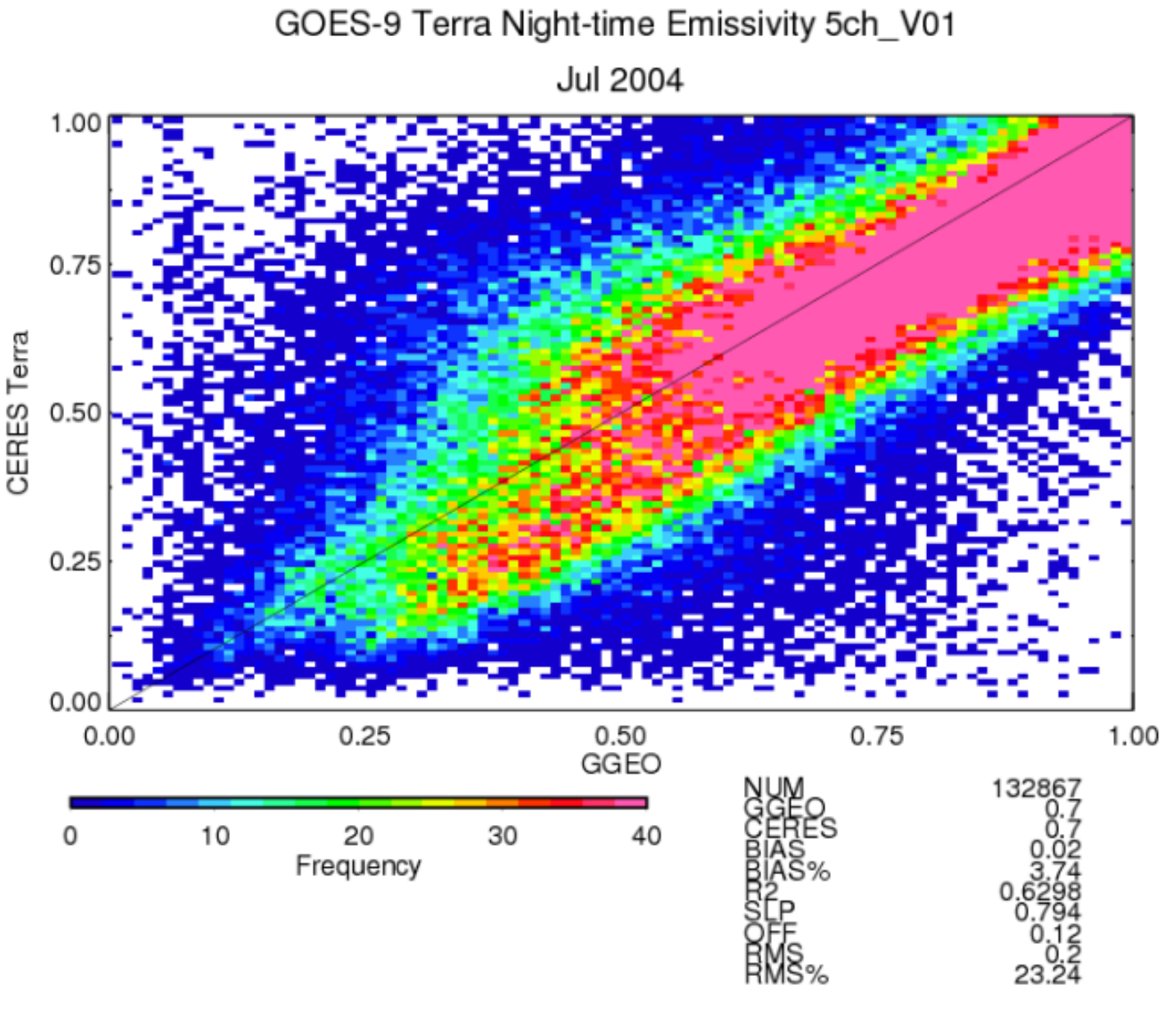

GOES-9 Terra Night-time Ice Cld Amt (%) 5ch_V01
Jul 2004
CERES Terra
100
80
60
40
20
0
0
20
40
60
80
100
GGEO
0
10
20
30
40
Frequency
NUM 90418
GGEO 0.5
CERES 0.5
BIAS -0.05
BIAS% -9.14
R2 0.5842
SLP 0.829
OFF 0.14
RMS 0.2
RMS% 42.66

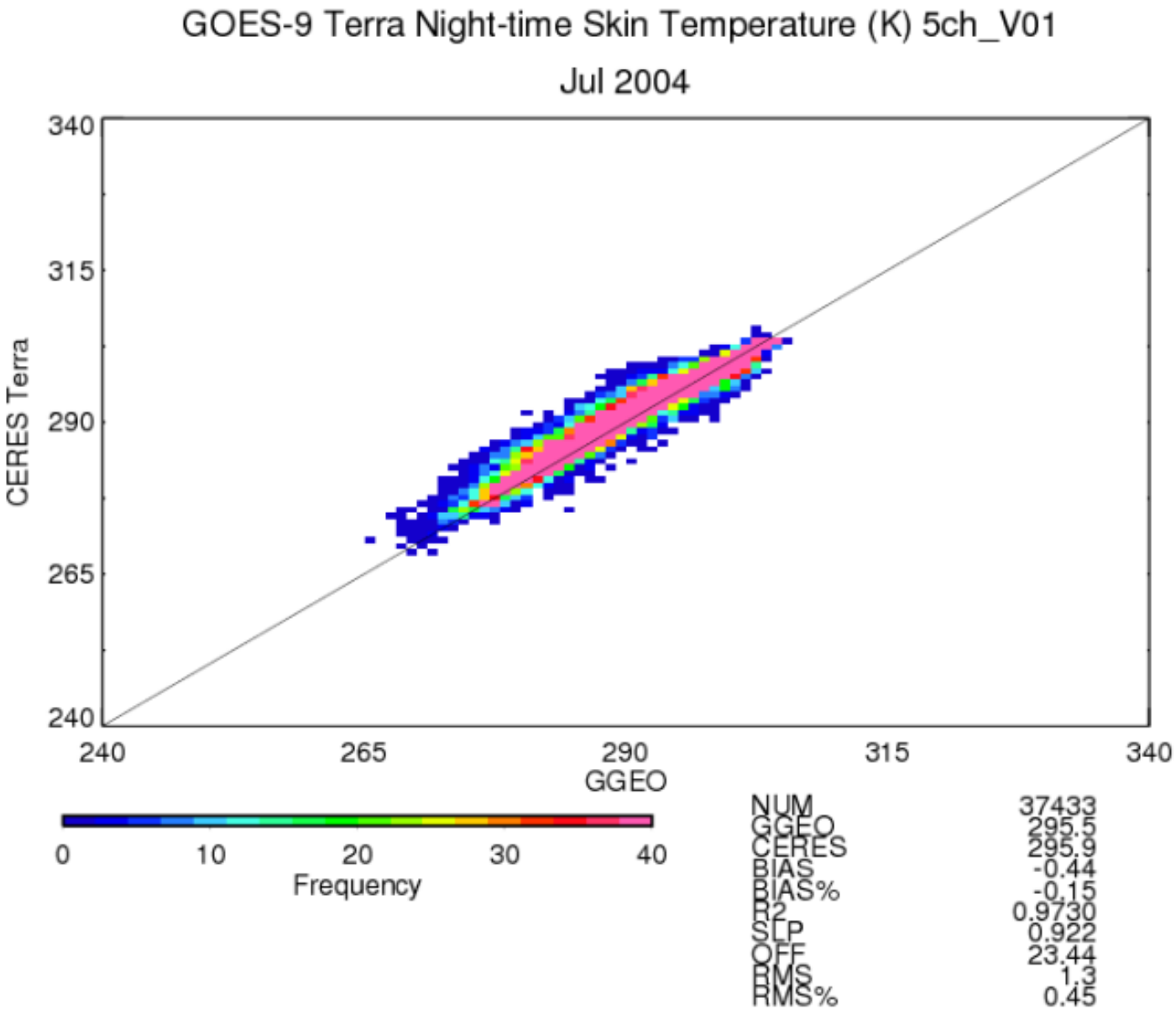

GOES-9 Terra Night-time Liquid Particle Size (microns) 5ch_V01
Jul 2004
CERES Terra
GGEO
0
8
16
24
32
40
Frequency
0
10
20
30
40
NUM 125609
GGEO 10.2
CERES 11.4
BIAS -1.18
BIAS% -10.33
R2 0.2357
SLP 0.402
OFF 7.29
RMS 2.7
RMS% 23.96


GOES-9 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 113110
GGEO 43.2
CERES 27.1
BIAS 16.09
BIAS% 59.40
R2 0.0294
SLP 0.076
OFF 23.82
RMS 20.7
RMS% 76.32


GOES-9 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 125609
GGEO 3.0
CERES 3.3
BIAS -0.23
BIAS% -7.07
R2 0.4435
SLP 0.611
OFF 1.41
RMS 0.8
RMS% 24.91


GOES-9 Terra Night-time Log Ice Water Path (g/m2) 5ch_V01
Jul 2004
CERES Terra
GGEO
0
2
4
6
8
Frequency
0
10
20
30
40
NUM 113110
GGEO 2.6
CERES 2.7
BIAS -0.15
BIAS% -5.57
R2 0.7673
SLP 0.807
OFF 0.65
RMS 0.9
RMS% 33.19


GOES-9 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 132867
GGEO 0.7
CERES 0.7
BIAS 0.02
BIAS% 3.74
R2 0.6298
SLP 0.794
OFF 0.12
RMS 0.2
RMS% 23.24


GOES-9 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 37433
GGEO 295.5
CERES 295.9
BIAS -0.44
BIAS% -0.15
R2 0.9730
SLP 0.922
OFF 23.44
RMS 1.3
RMS% 0.45