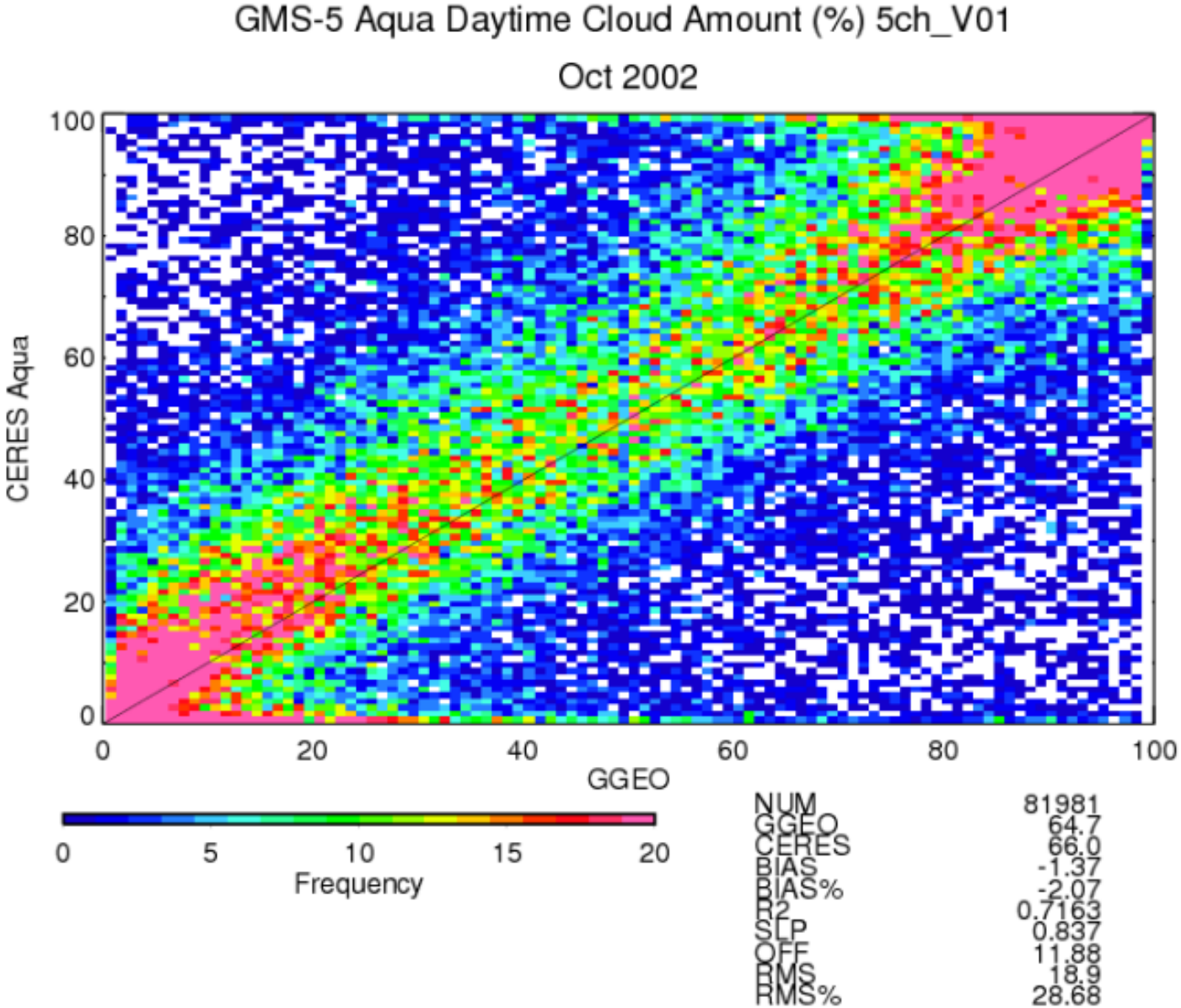
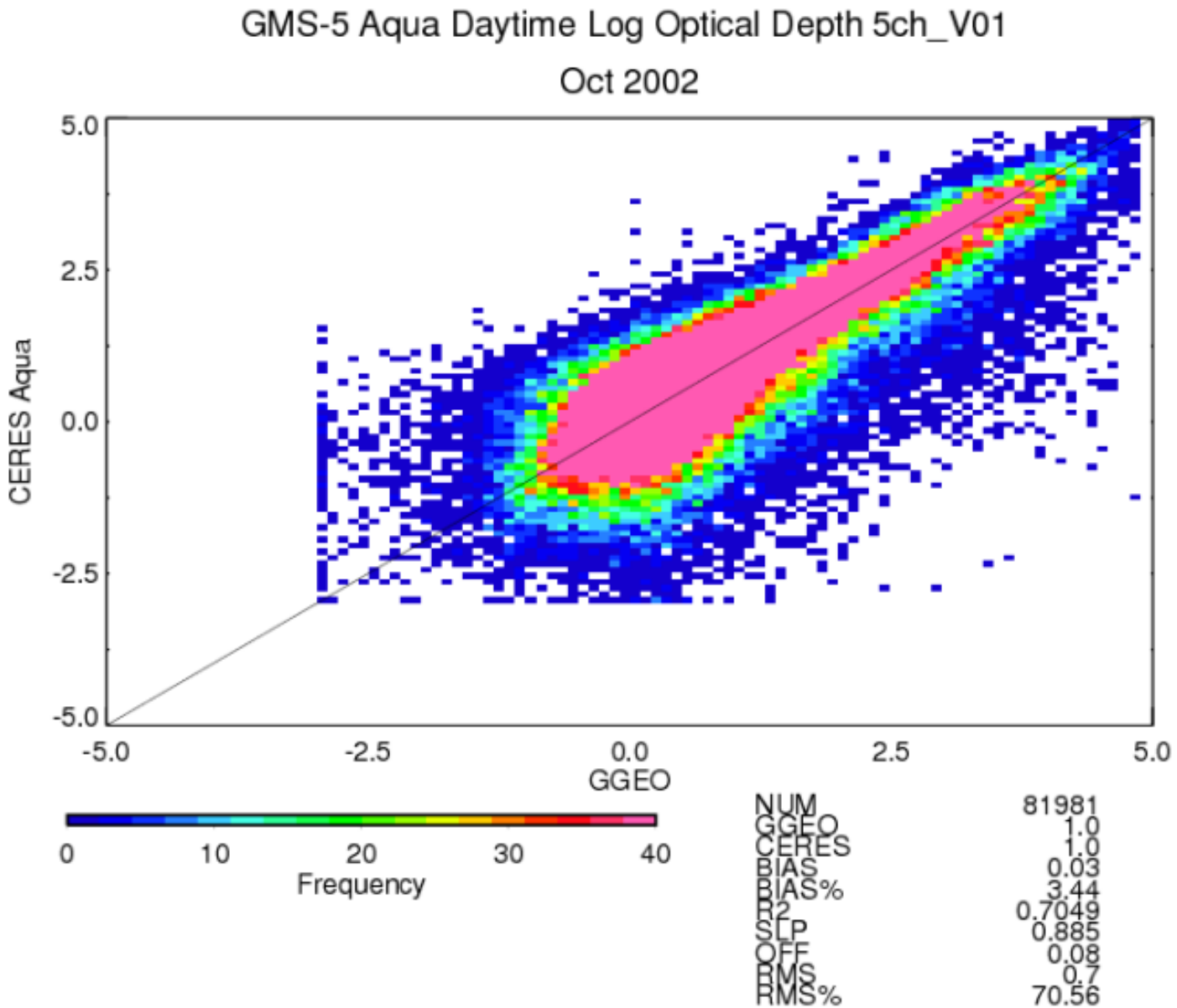
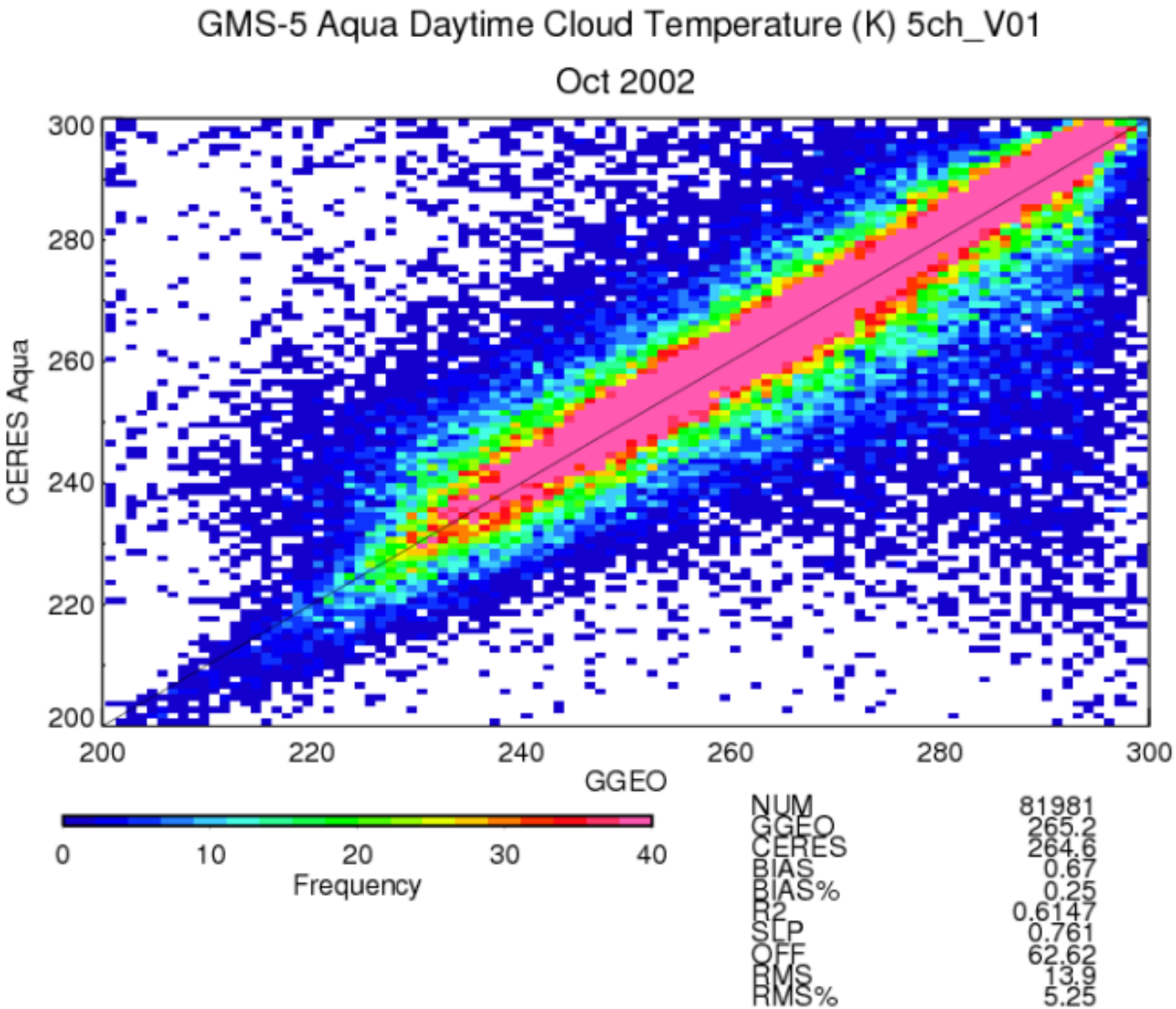
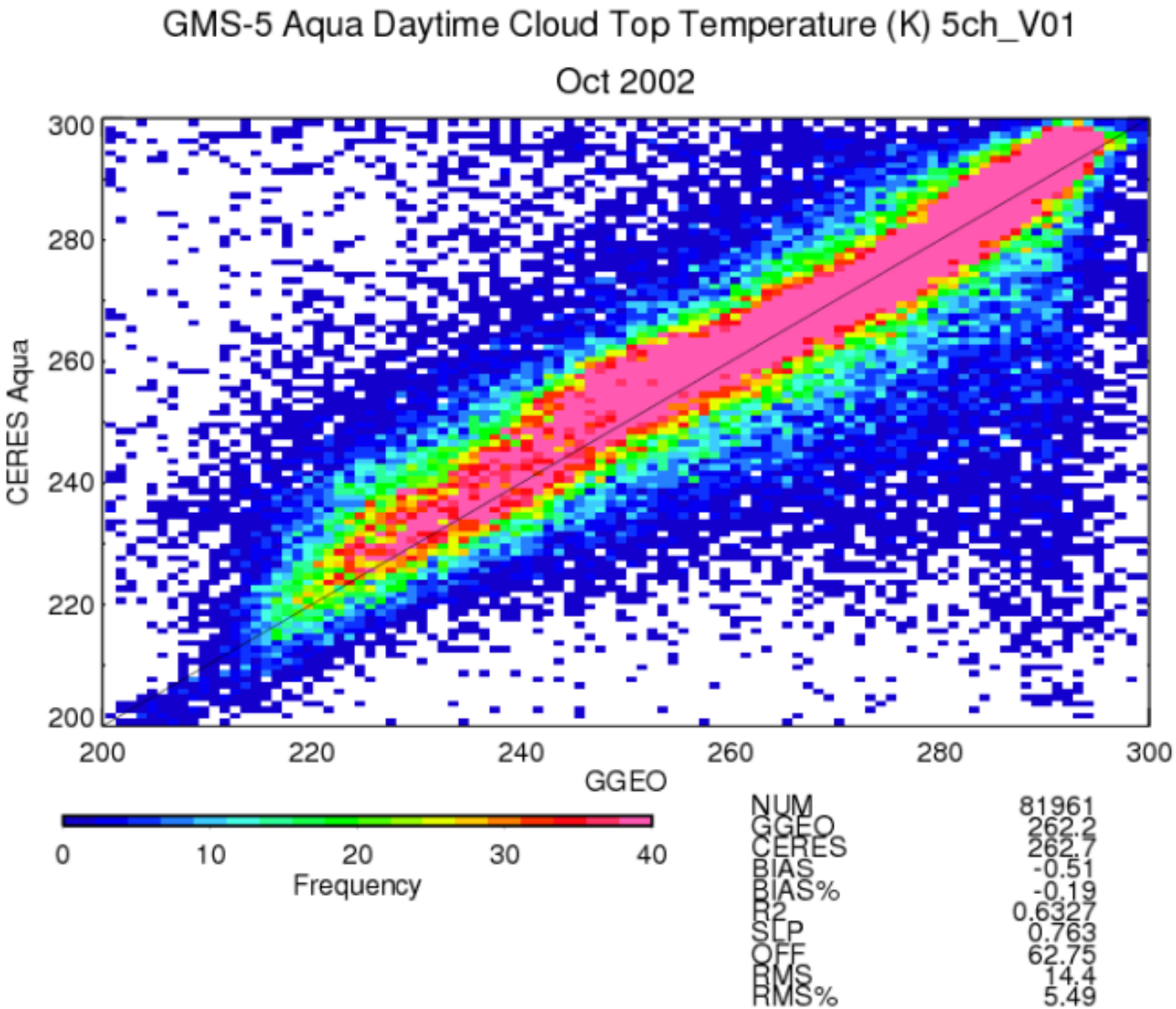
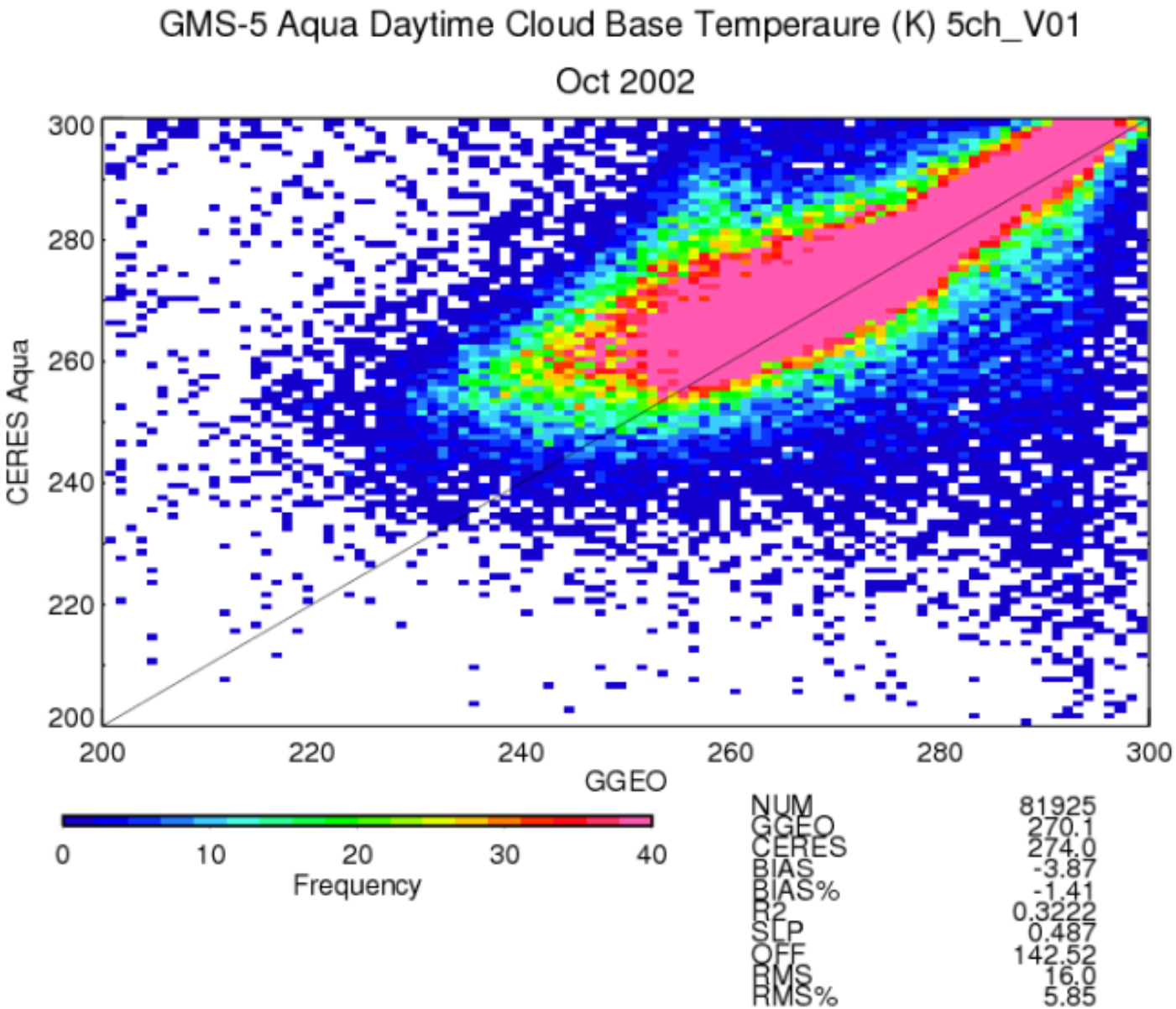
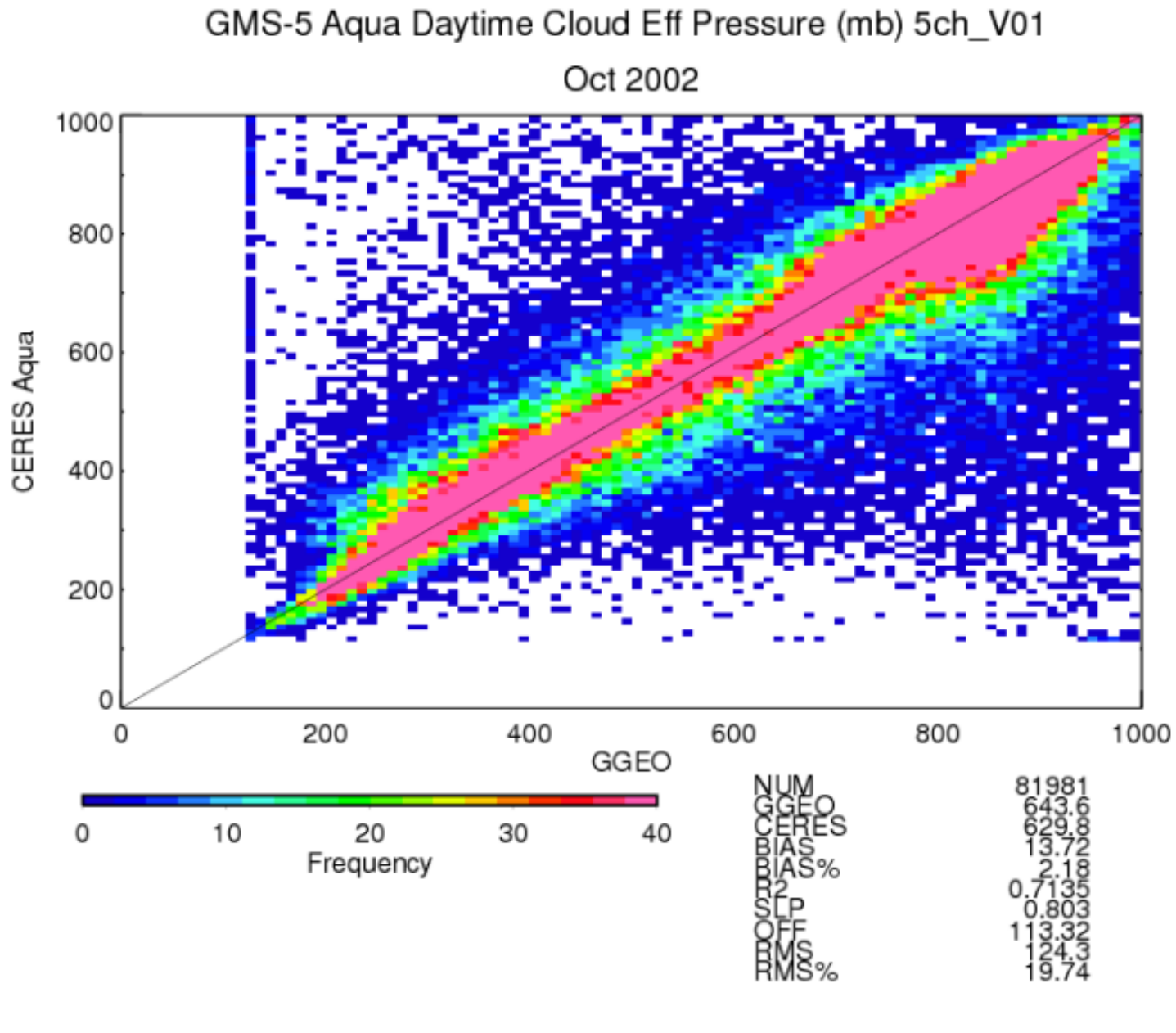

GMS-5 Aqua Daytime Cloud Amount (%) 5ch_V01
Oct 2002
CERES Aqua
GGEO
Frequency
NUM 81981
GGEO 64.7
CERES 66.0
BIAS -1.37
BIAS% -2.07
R2 0.7163
SLP 0.837
OFF 11.88
RMS 18.9
RMS% 28.68

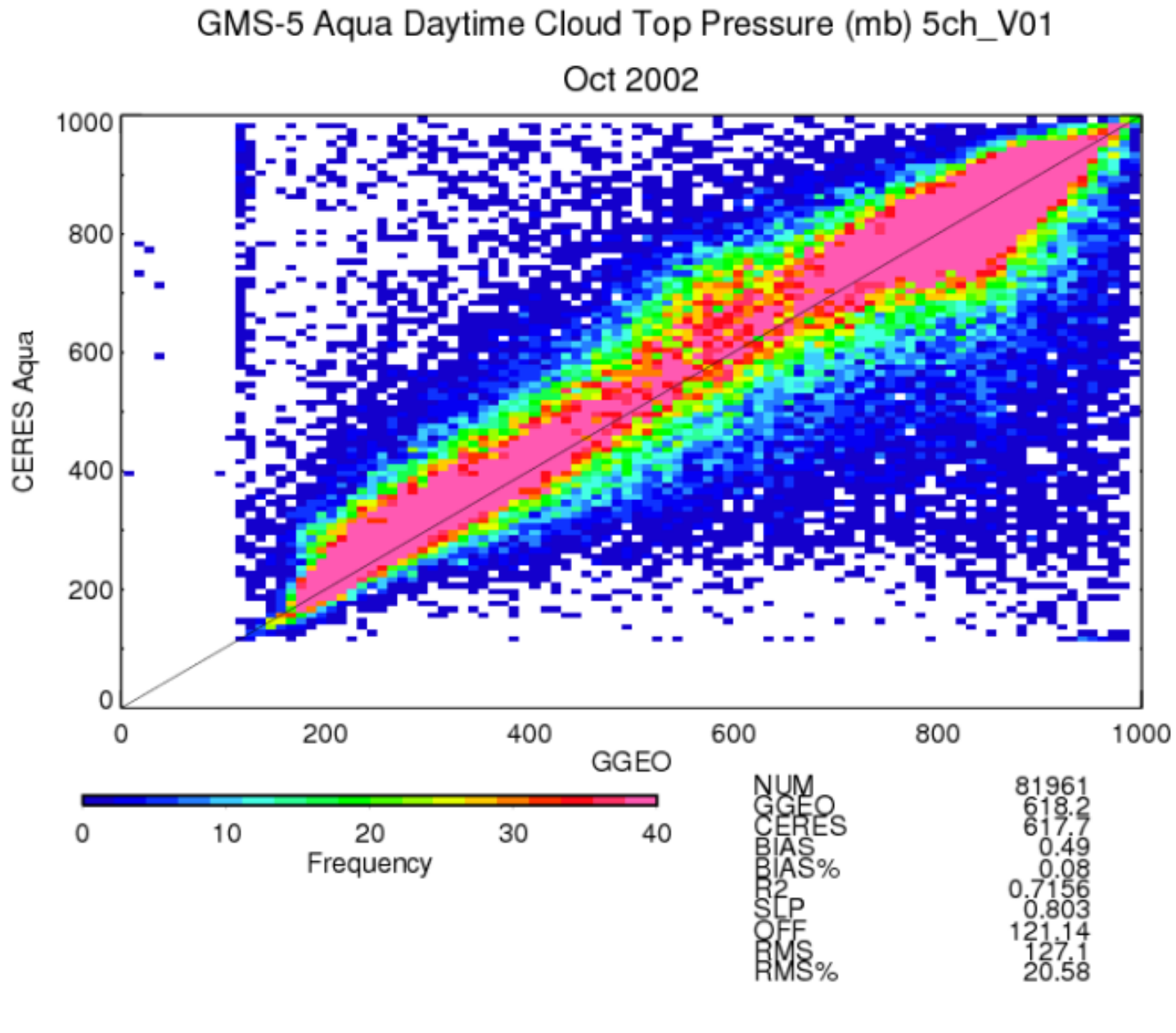

GMS-5 Aqua Daytime Log Optical Depth 5ch_V01
Oct 2002
CERES Aqua
5.0
2.5
0.0
-2.5
-5.0
-5.0
-2.5
0.0
2.5
5.0
GGEO
0
10
20
30
40
Frequency
NUM 81981
GGEO 1.0
CERES 1.0
BIAS 0.03
BIAS% 3.44
R2 0.7049
SLP 0.885
OFF 0.08
RMS 0.7
RMS% 70.56

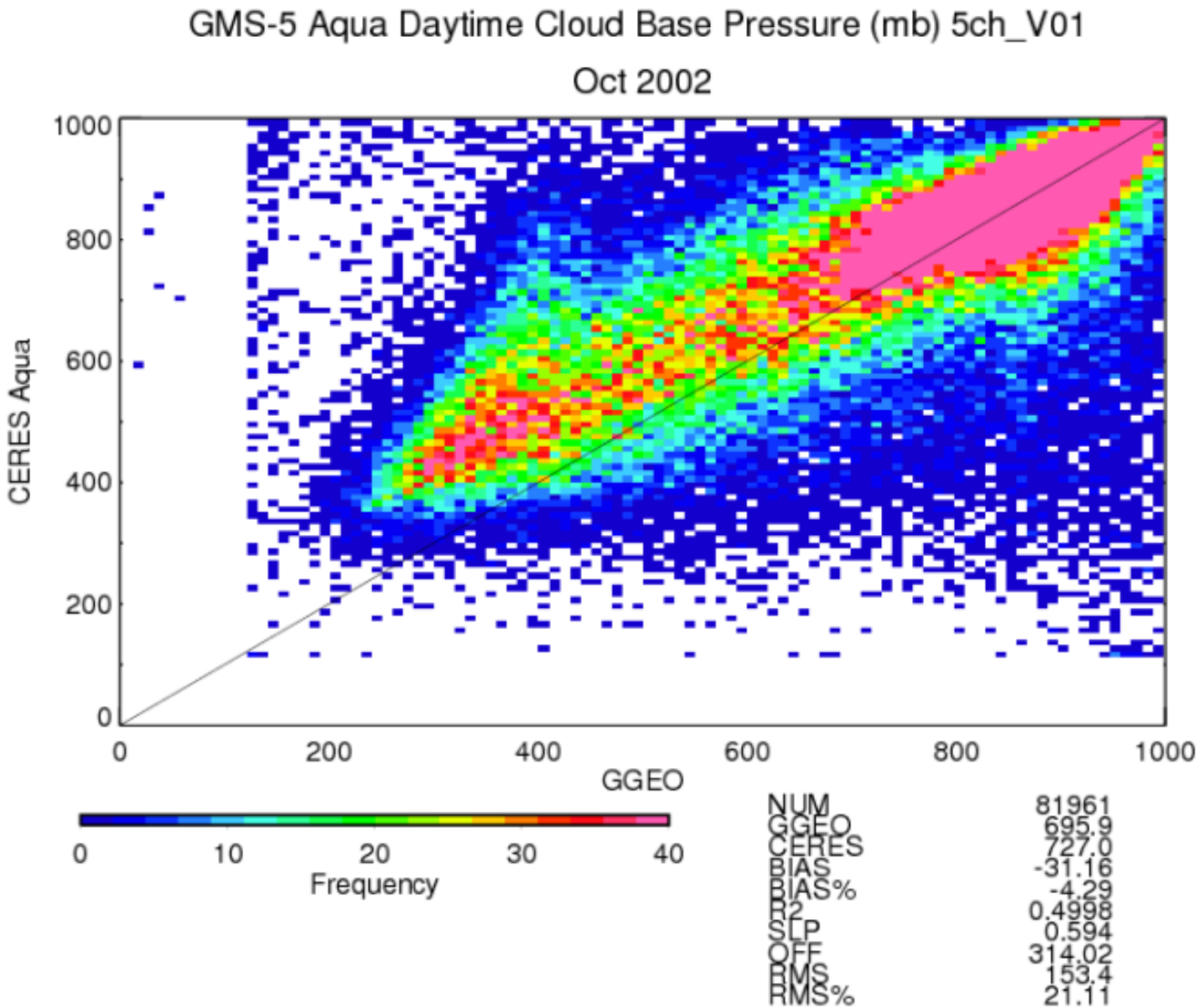

GMS-5 Aqua Daytime Cloud Temperature (K) 5ch_V01
Oct 2002
CERES Aqua
300
280
260
240
220
200
200
220
240
260
280
300
GGEO
0
10
20
30
40
Frequency
NUM 81981
GGEO 265.2
CERES 264.6
BIAS 0.67
BIAS% 0.25
R2 0.6147
SLP 0.761
OFF 62.62
RMS 13.9
RMS% 5.25

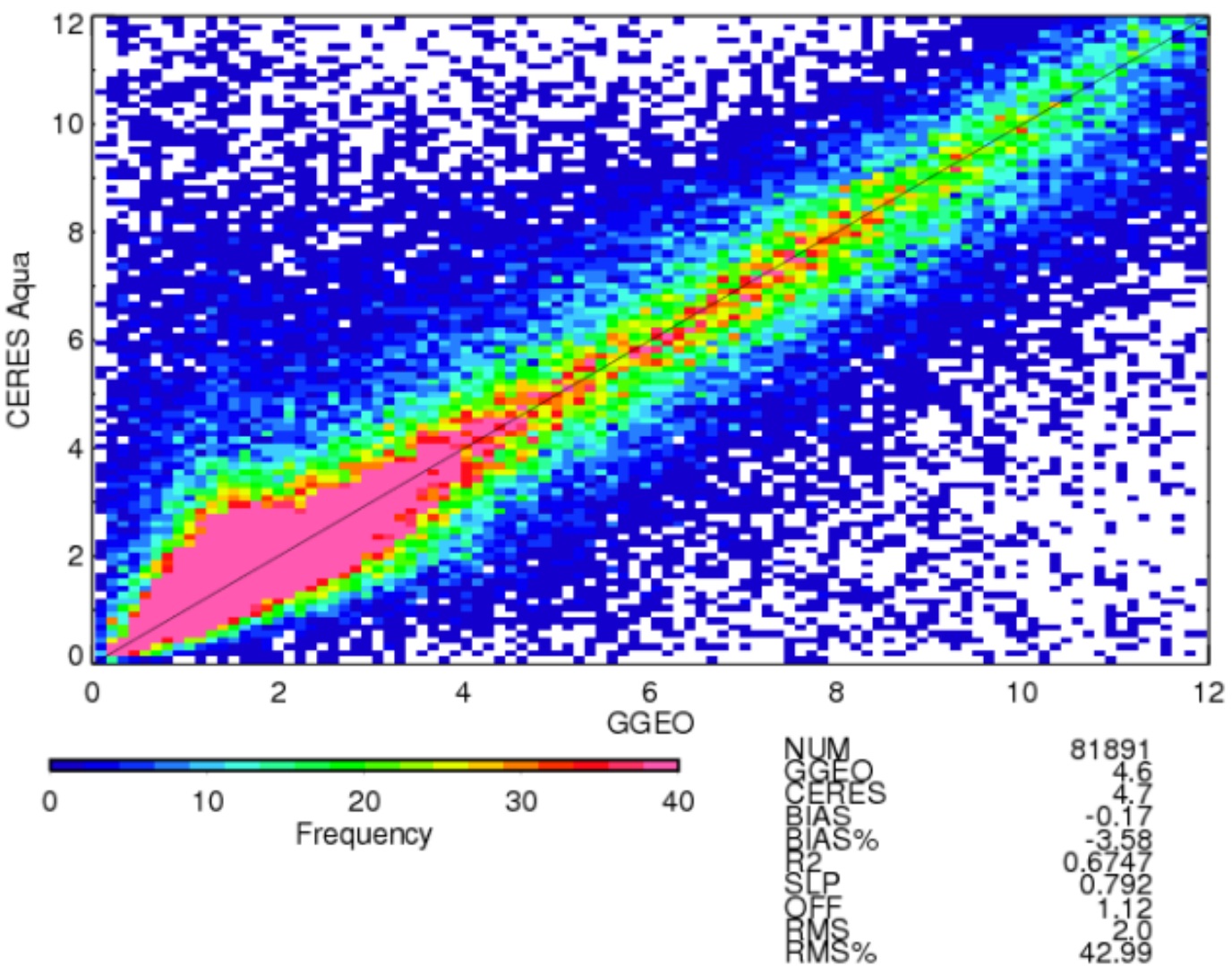

GMS-5 Aqua Daytime Cloud Top Temperature (K) 5ch_V01
Oct 2002
CERES Aqua
GGEO
Frequency
NUM 81961
GGEO 262.2
CERES 262.7
BIAS -0.51
BIAS% -0.19
R2 0.6327
SLP 0.763
OFF 62.75
RMS 14.4
RMS% 5.49

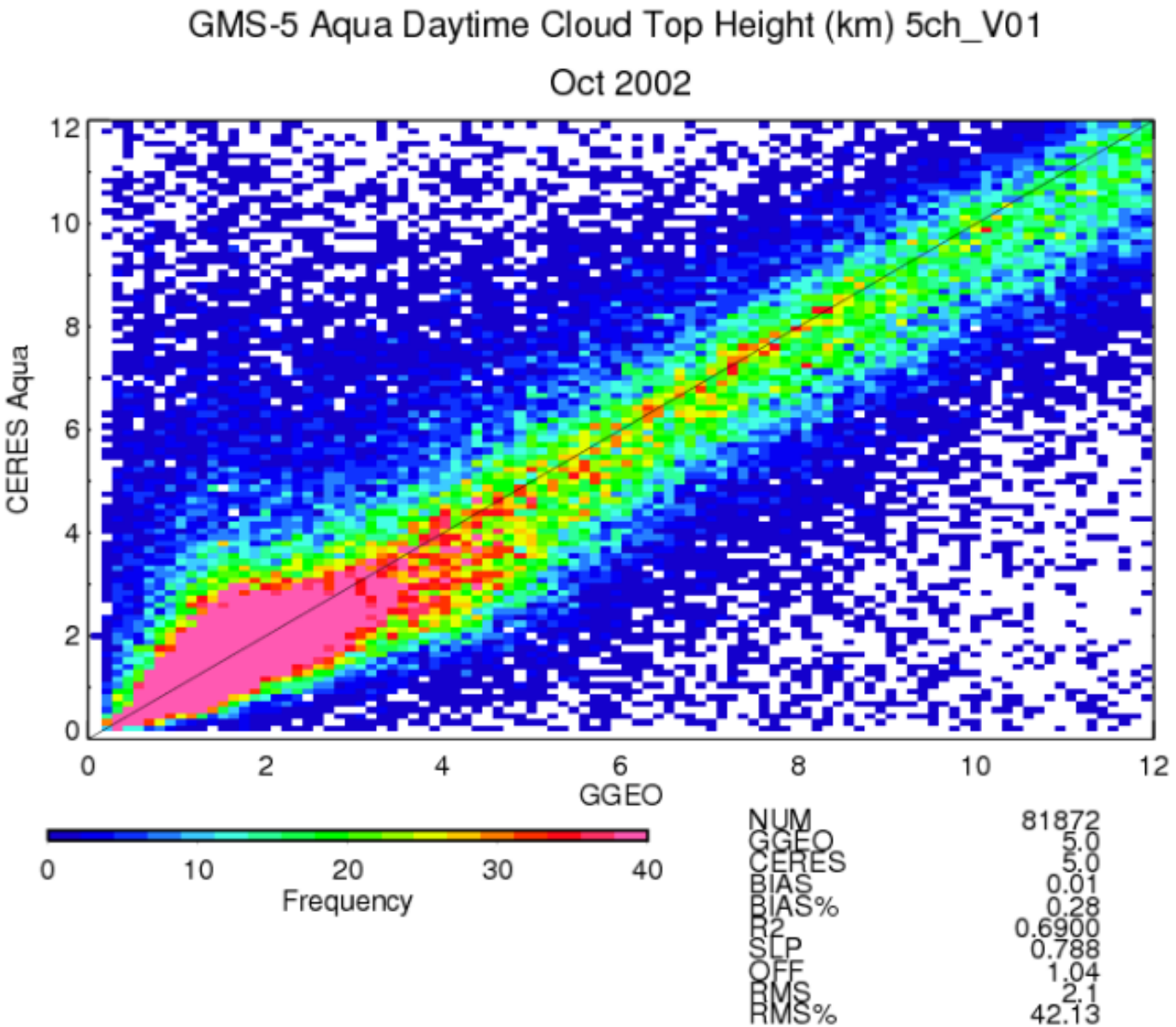

GMS-5 Aqua Daytime Cloud Base Temperaure (K) 5ch_V01
Oct 2002
CERES Aqua
300
280
260
240
220
200
200
220
240
260
280
300
GGEO
0
10
20
30
40
Frequency
NUM 81925
GGEO 270.1
CERES 274.0
BIAS -3.87
BIAS% -1.41
R2 0.3222
SLP 0.487
OFF 142.52
RMS 16.0
RMS% 5.85

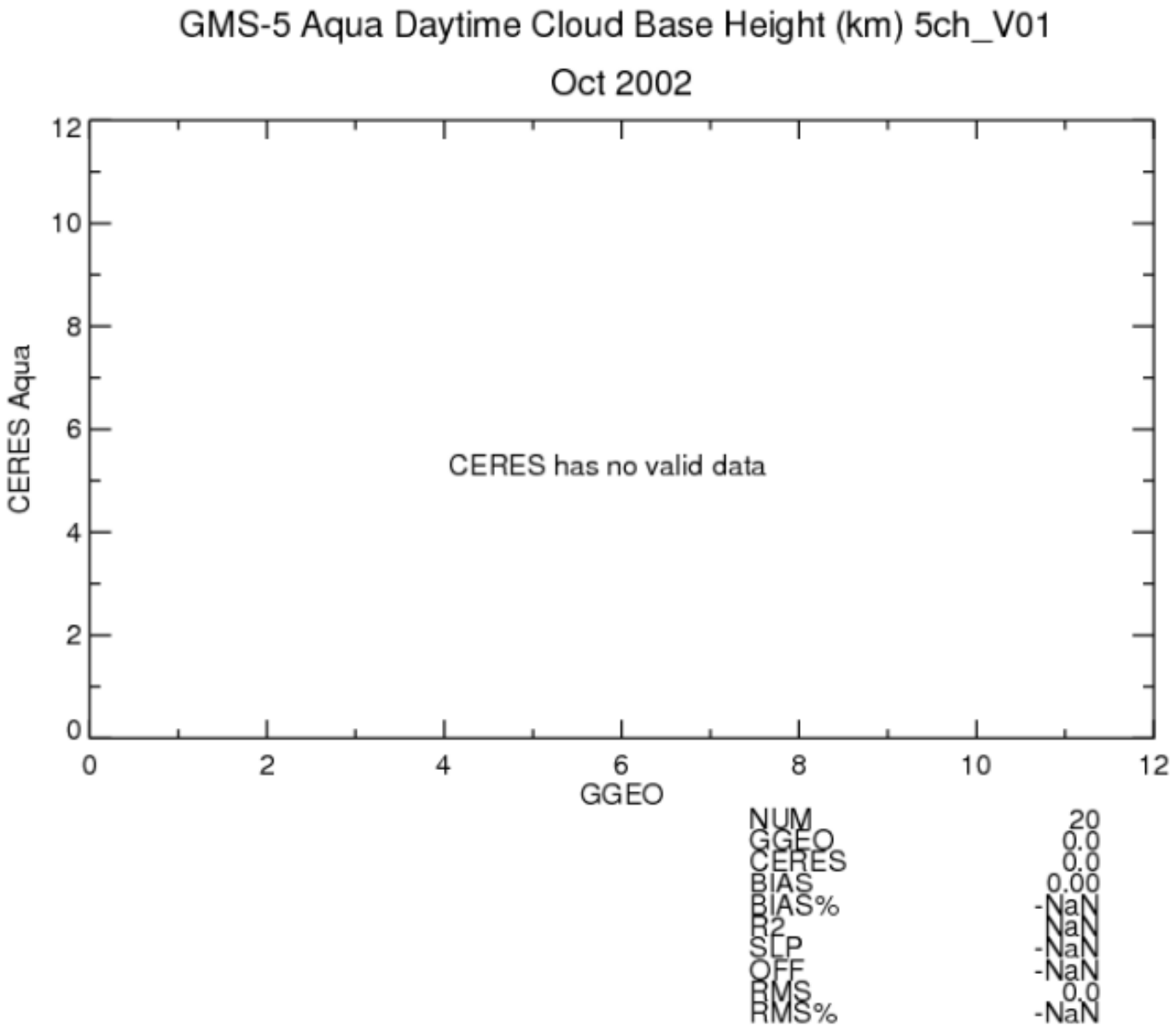

GMS-5 Aqua Daytime Cloud Eff Pressure (mb) 5ch_V01
Oct 2002
CERES Aqua
GGEO
Frequency
0
200
400
600
800
1000
0
10
20
30
40
NUM 81981
GGEO 643.6
CERES 629.8
BIAS 13.72
BIAS% 2.18
R2 0.7135
SLP 0.803
OFF 113.32
RMS 124.3
RMS% 19.74

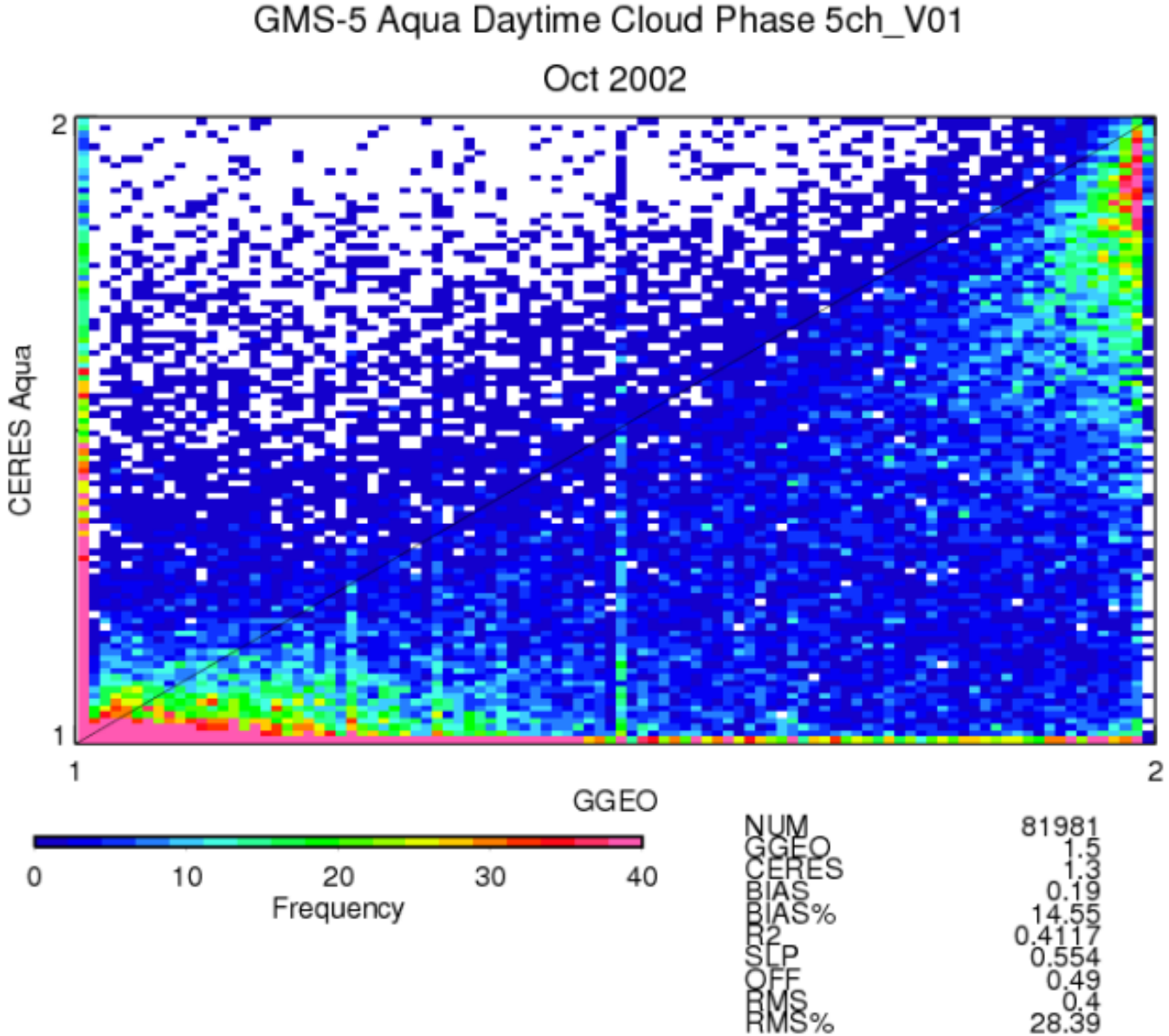

GMS-5 Aqua Daytime Cloud Top Pressure (mb) 5ch_V01
Oct 2002
CERES Aqua
GGEO
Frequency
0
200
400
600
800
1000
0
10
20
30
40
NUM 81961
GGEO 618.2
CERES 617.7
BIAS 0.49
BIAS% 0.08
R2 0.7156
SLP 0.803
OFF 121.14
RMS 127.1
RMS% 20.58

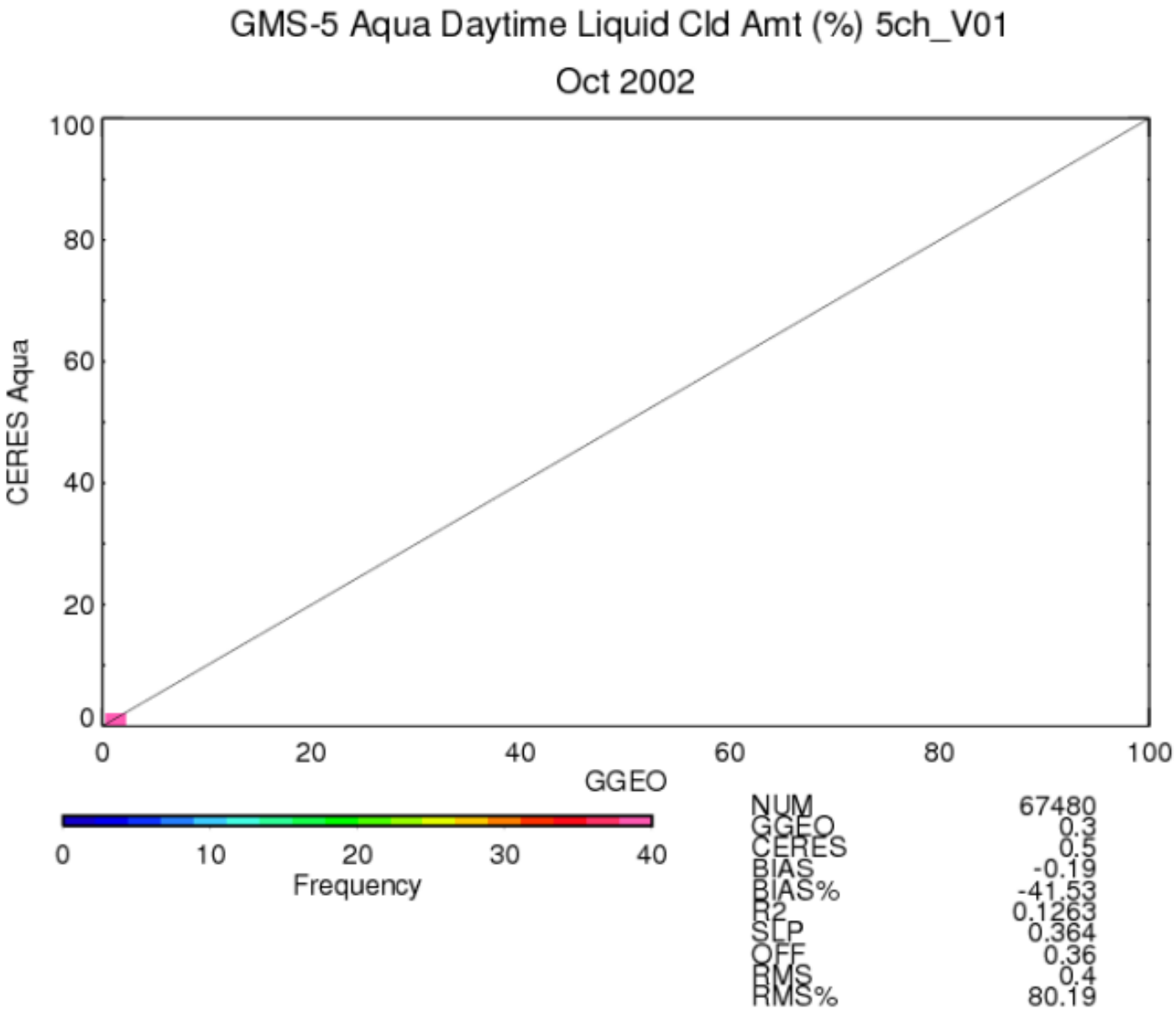

GMS-5 Aqua Daytime Cloud Base Pressure (mb) 5ch_V01
Oct 2002
CERES Aqua
GGEO
Frequency
0
200
400
600
800
1000
0
10
20
30
40
NUM 81961
GGEO 695.9
CERES 727.0
BIAS -31.16
BIAS% -4.29
R2 0.4998
SLP 0.594
OFF 314.02
RMS 153.4
RMS% 21.11

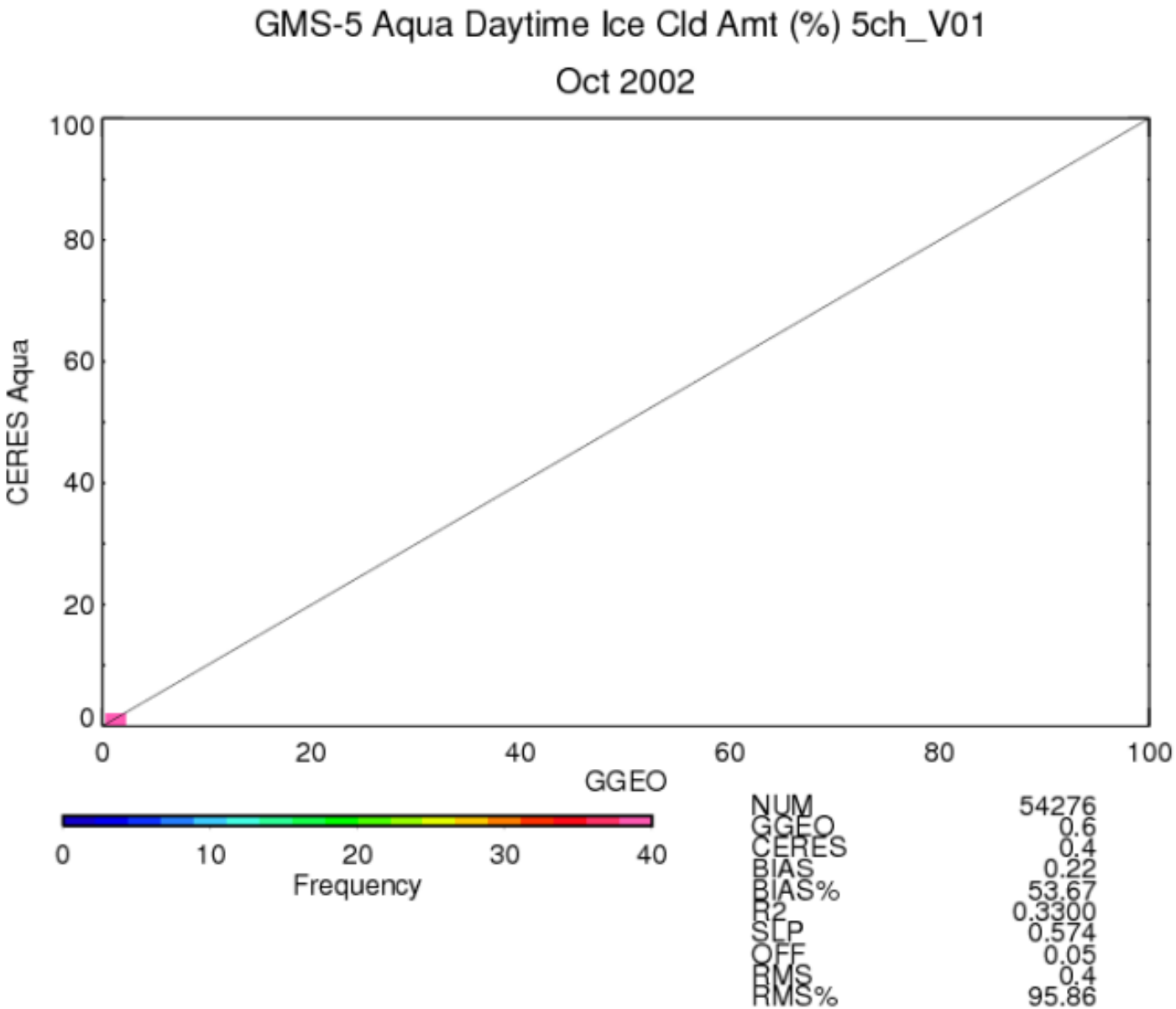

GMS-5 Aqua Daytime Cloud Eff Height (km) 5ch_V01
Oct 2002
CERES Aqua
GGEO
0
2
4
6
8
10
12
Frequency
0
10
20
30
40
NUM 81891
GGEO 4.6
CERES 4.7
BIAS -0.17
BIAS% -3.58
R2 0.6747
SLP 0.792
OFF 1.12
RMS 2.0
RMS% 42.99

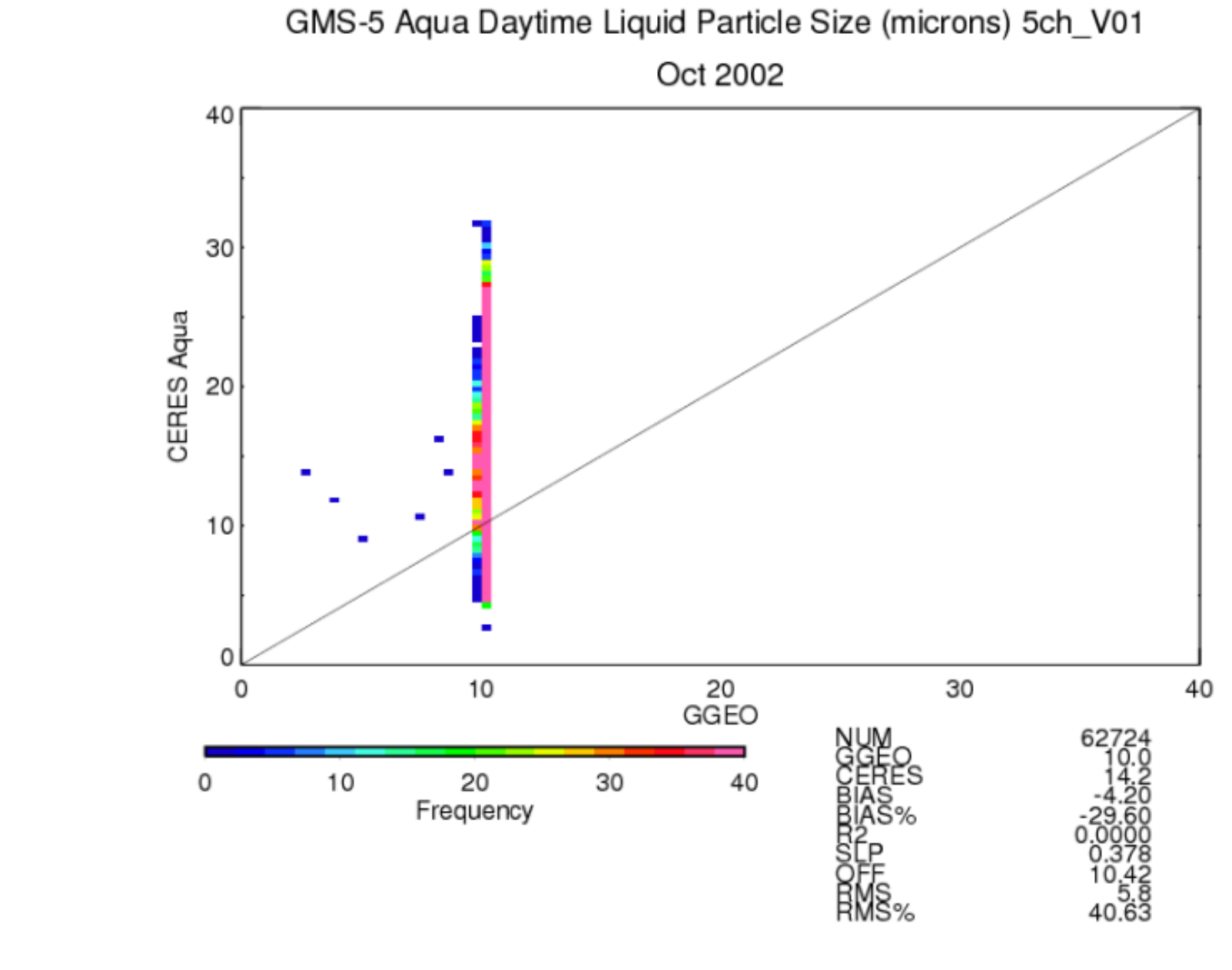

GMS-5 Aqua Daytime Cloud Top Height (km) 5ch_V01
Oct 2002
CERES Aqua
GGEO
Frequency
0
2
4
6
8
10
12
0
10
20
30
40
NUM 81872
GGEO 5.0
CERES 5.0
BIAS 0.01
BIAS% 0.28
R2 0.6900
SLP 0.788
OFF 1.04
RMS 2.1
RMS% 42.13

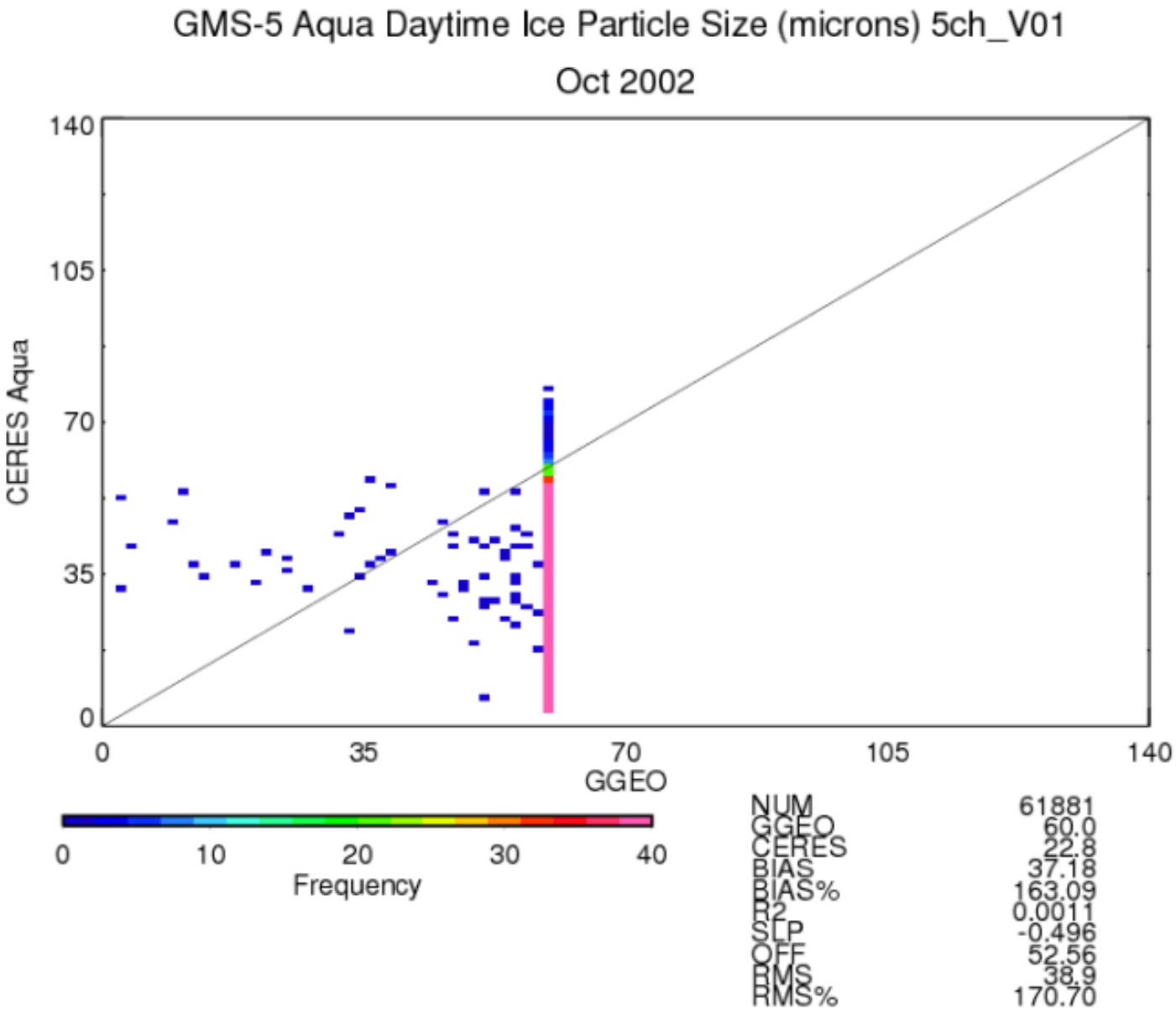

GMS-5 Aqua Daytime Cloud Base Height (km) 5ch_V01
Oct 2002
CERES Aqua
GGEO
CERES has no valid data
0
2
4
6
8
10
12
NUM 20
GGEO 0.0
CERES 0.0
BIAS 0.00
BIAS% -NaN
R2 NaN
SLP -NaN
OFF -NaN
RMS 0.0
RMS% -NaN

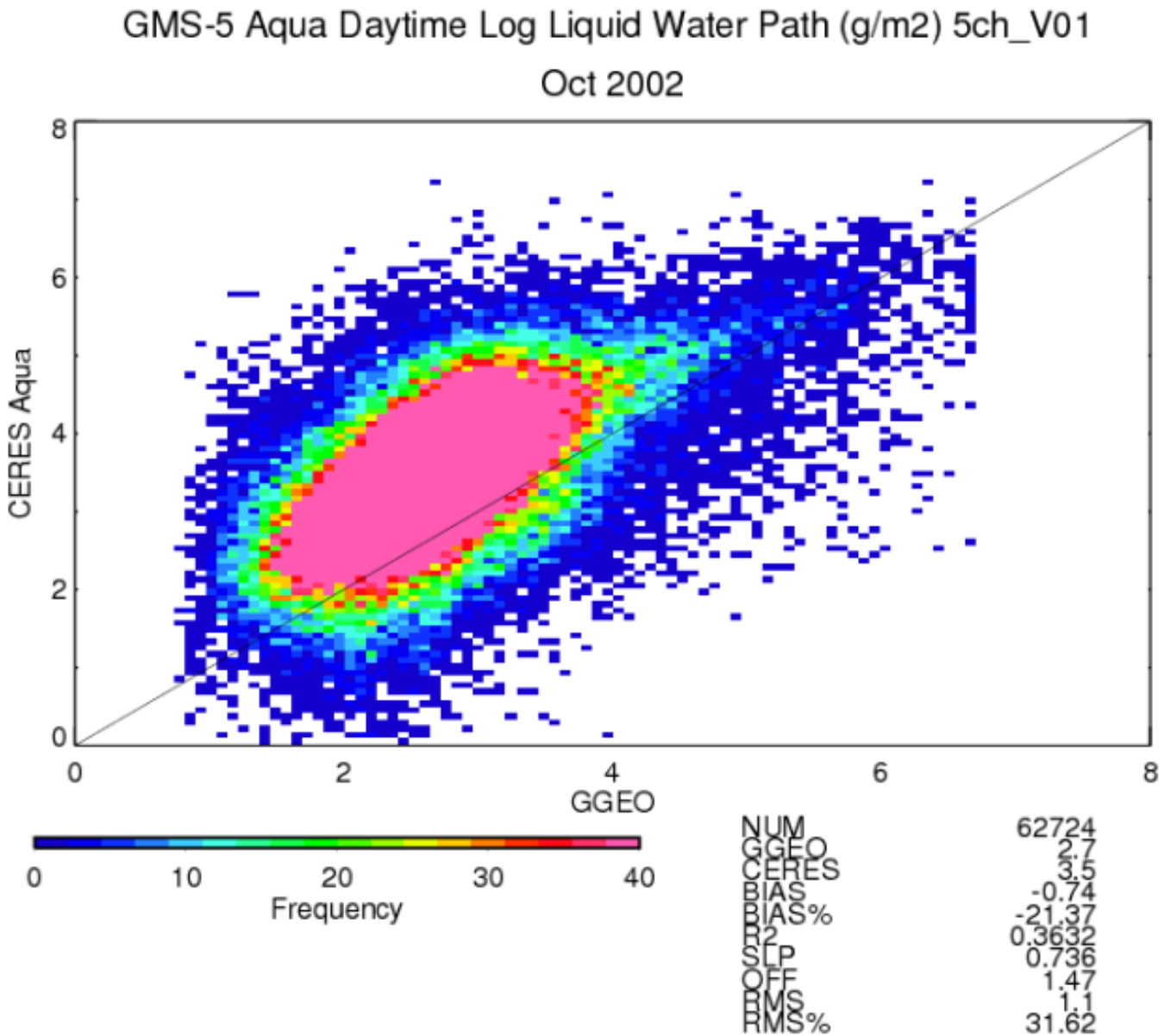

GMS-5 Aqua Daytime Cloud Phase 5ch_V01
Oct 2002
CERES Aqua
2
1
1
2
GGEO
0
10
20
30
40
Frequency
NUM 81981
GGEO 1.5
CERES 1.3
BIAS 0.19
BIAS% 14.55
R2 0.4117
SLP 0.554
OFF 0.49
RMS 0.4
RMS% 28.39

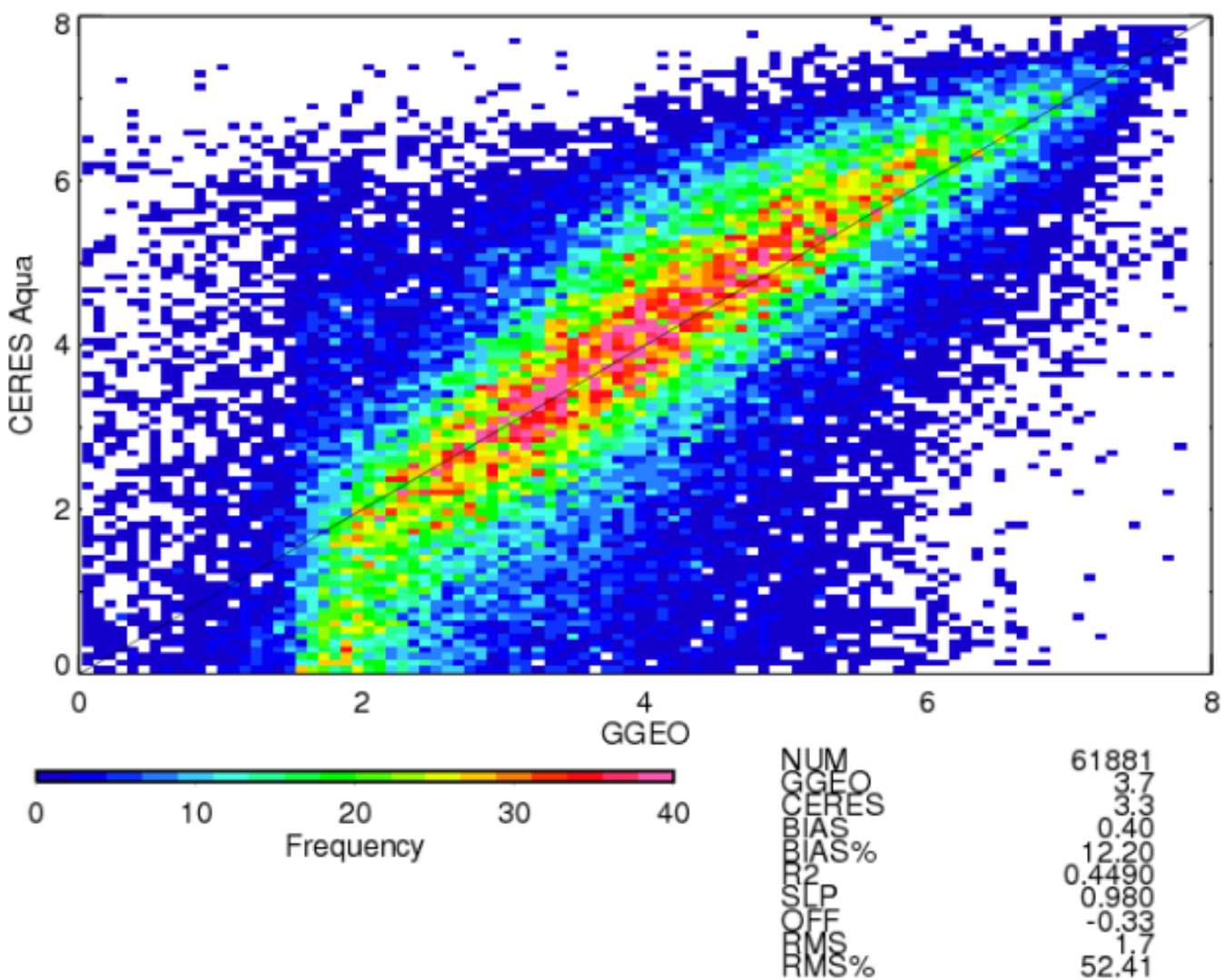

GMS-5 Aqua Daytime Liquid Cld Amt (%) 5ch_V01
Oct 2002
CERES Aqua
100
80
60
40
20
0
0
20
40
60
80
100
GGEO
0
10
20
30
40
Frequency
NUM 67480
GGEO 0.3
CERES 0.5
BIAS -0.19
BIAS% -41.53
R2 0.1263
SLP 0.364
OFF 0.36
RMS 0.4
RMS% 80.19

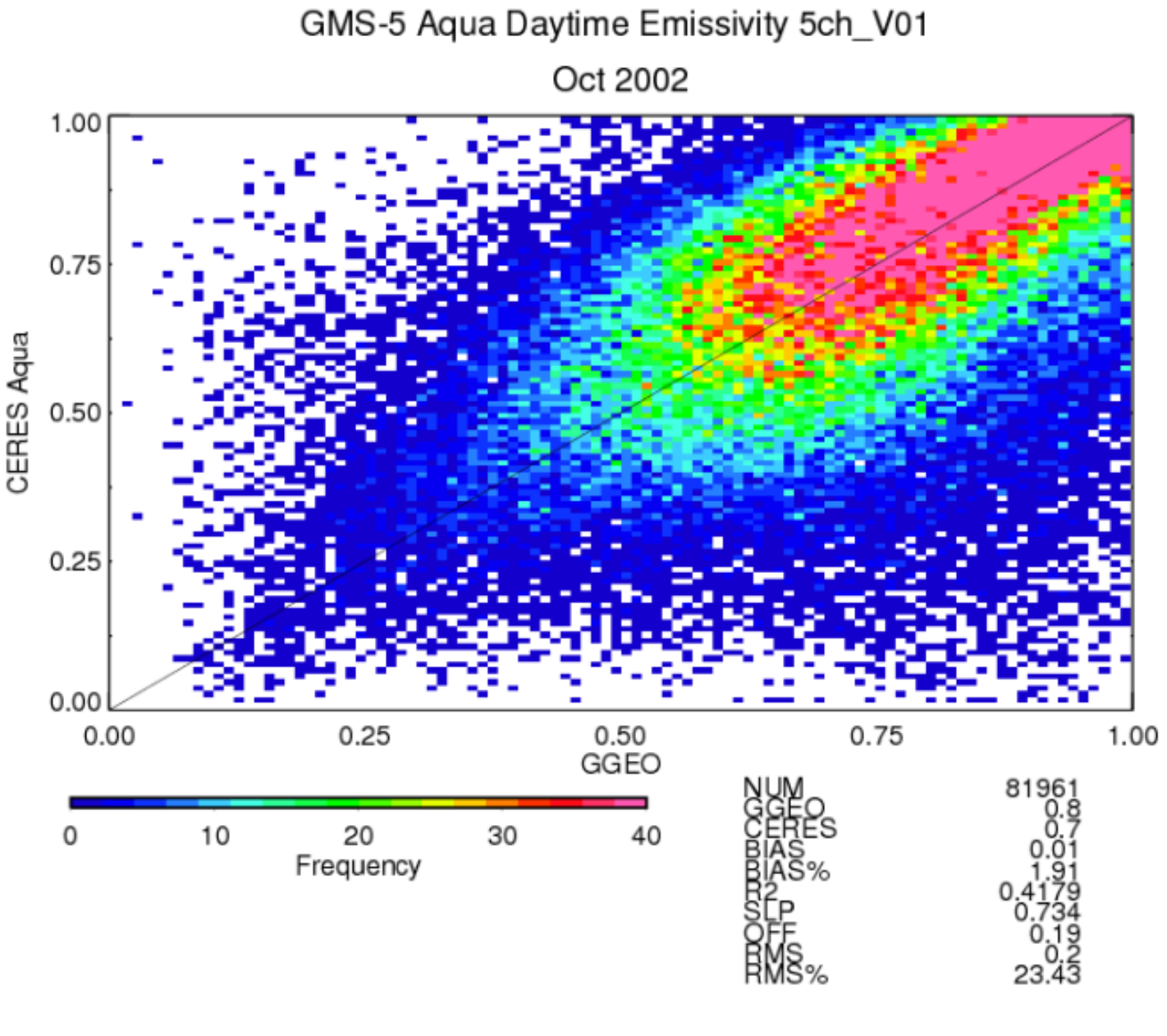

GMS-5 Aqua Daytime Ice Cld Amt (%) 5ch_V01
Oct 2002
CERES Aqua
GGEO
Frequency
0
10
20
30
40
0
20
40
60
80
100
NUM 54276
GGEO 0.6
CERES 0.4
BIAS 0.22
BIAS% 53.67
R2 0.3300
SLP 0.574
OFF 0.05
RMS 0.4
RMS% 95.86

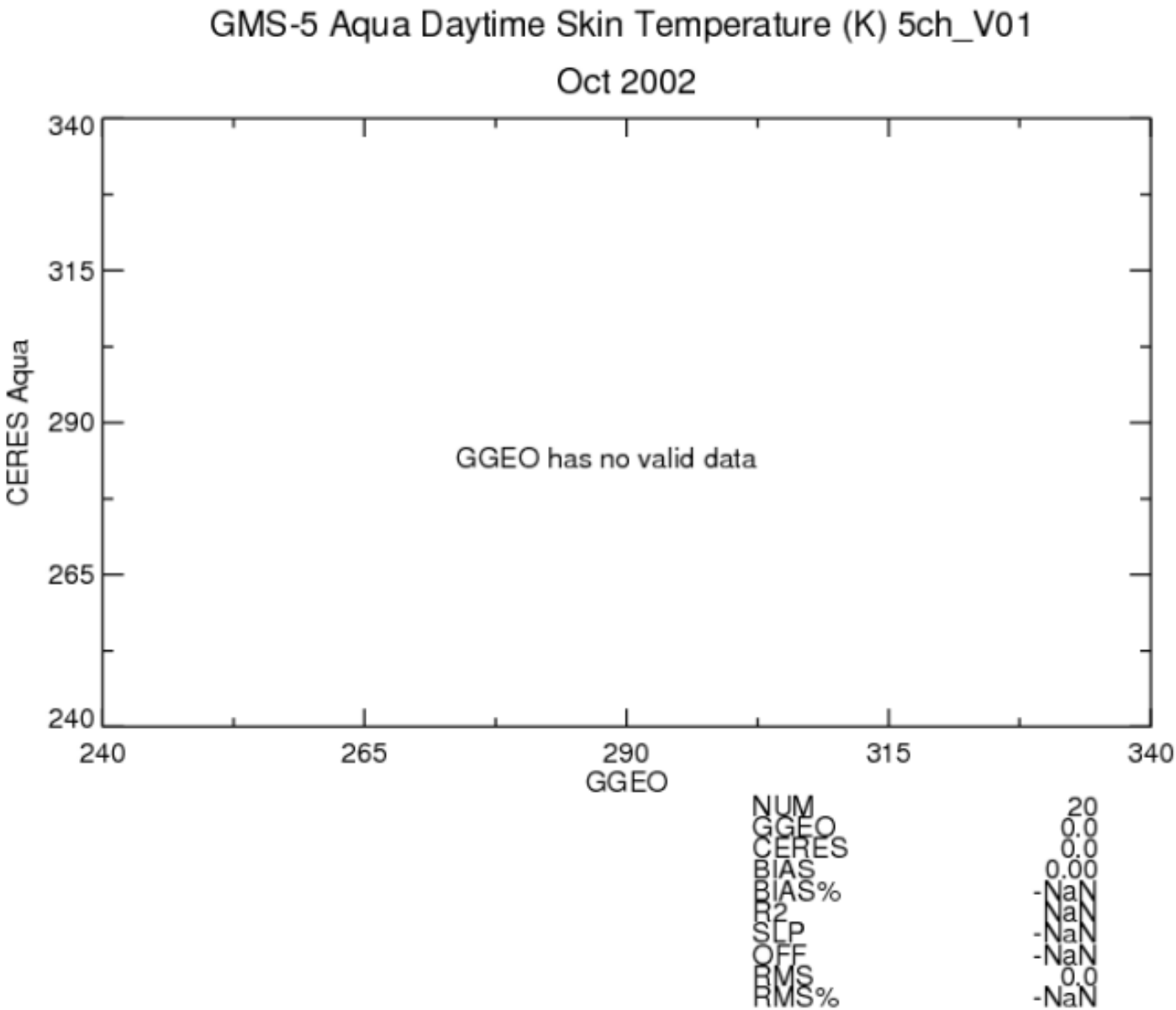

GMS-5 Aqua Daytime Liquid Particle Size (microns) 5ch_V01
Oct 2002
CERES Aqua
GGEO
Frequency
0
10
20
30
40
NUM 62724
GGEO 10.0
CERES 14.2
BIAS -4.20
BIAS% -29.60
R2 0.0000
SLP 0.378
OFF 10.42
RMS 5.8
RMS% 40.63

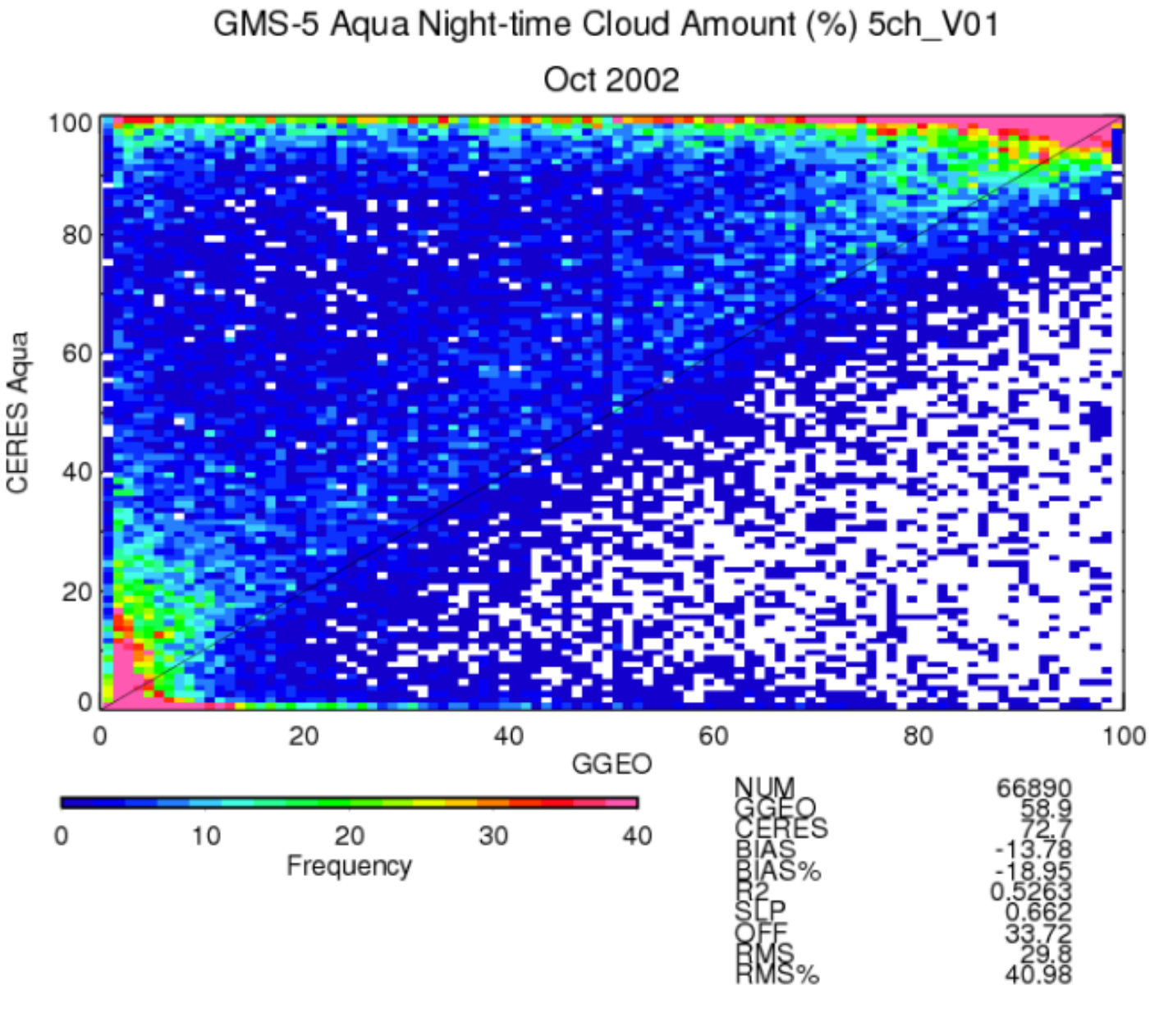

GMS-5 Aqua Daytime Ice Particle Size (microns) 5ch_V01
Oct 2002
CERES Aqua
GGEO
0
35
70
105
140
Frequency
0
10
20
30
40
NUM 61881
GGEO 60.0
CERES 22.8
BIAS 37.18
BIAS% 163.09
R2 0.0011
SLP -0.496
OFF 52.56
RMS 38.9
RMS% 170.70

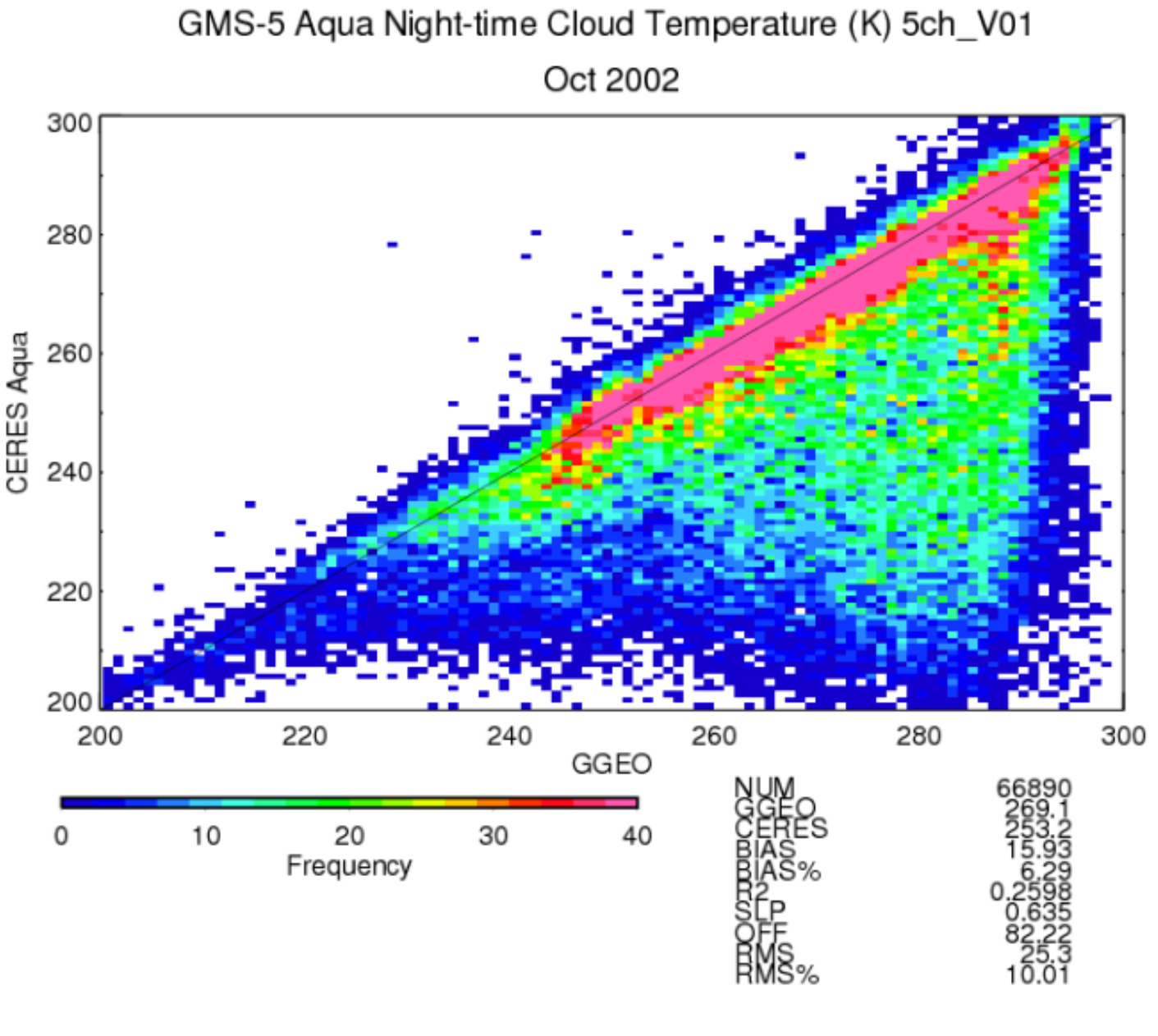

GMS-5 Aqua Daytime Log Liquid Water Path (g/m2) 5ch_V01
Oct 2002
CERES Aqua
GGEO
0
2
4
6
8
0
10
20
30
40
Frequency
NUM 62724
GGEO 2.7
CERES 3.5
BIAS -0.74
BIAS% -21.37
R2 0.3632
SLP 0.736
OFF 1.47
RMS 1.1
RMS% 31.62

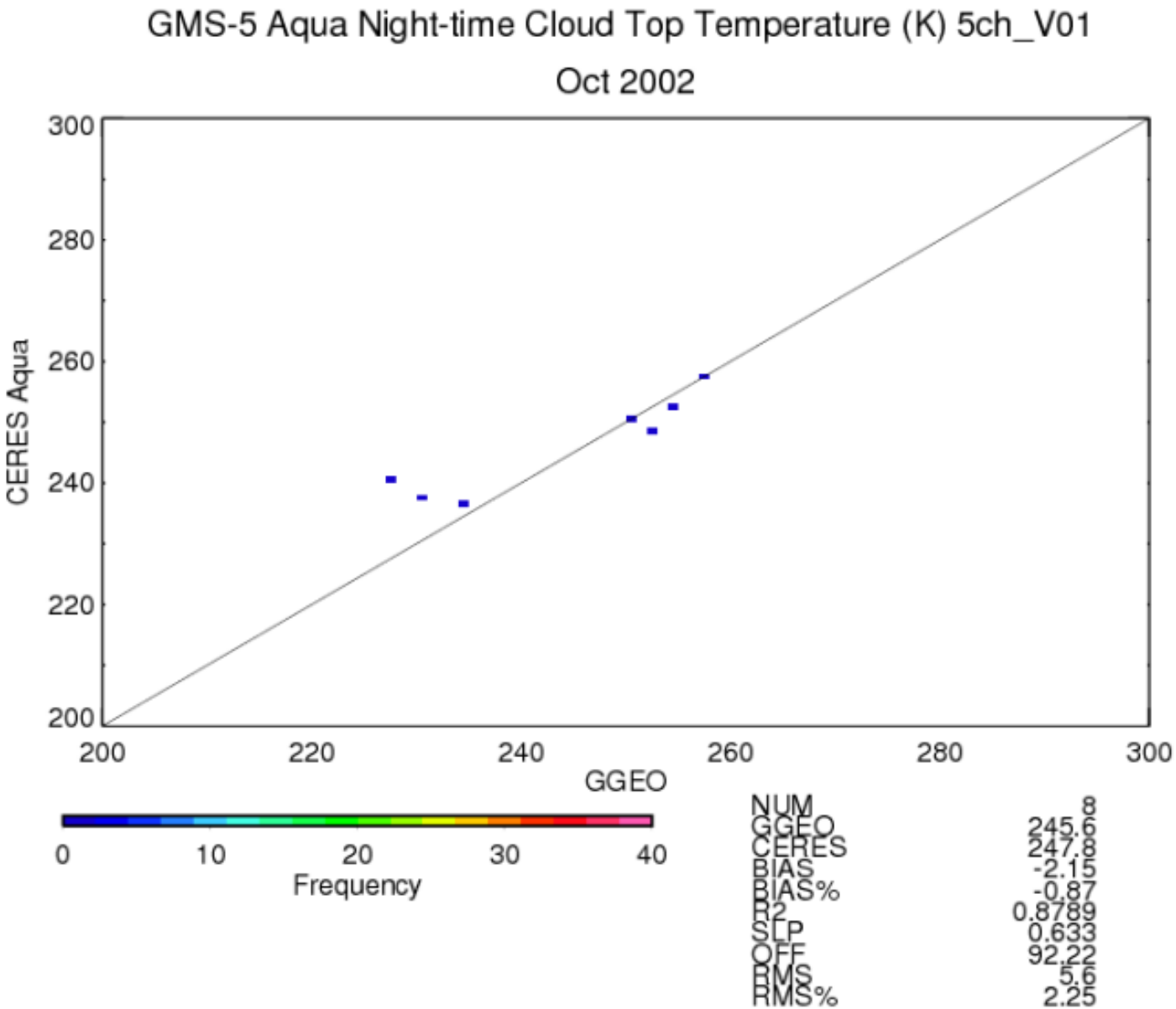

GMS-5 Aqua Daytime Log Ice Water Path (g/m2) 5ch_V01
Oct 2002
CERES Aqua
GGEO
0
2
4
6
8
0
10
20
30
40
Frequency
NUM 61881
GGEO 3.7
CERES 3.3
BIAS 0.40
BIAS% 12.20
R2 0.4490
SLP 0.980
OFF -0.33
RMS 1.7
RMS% 52.41

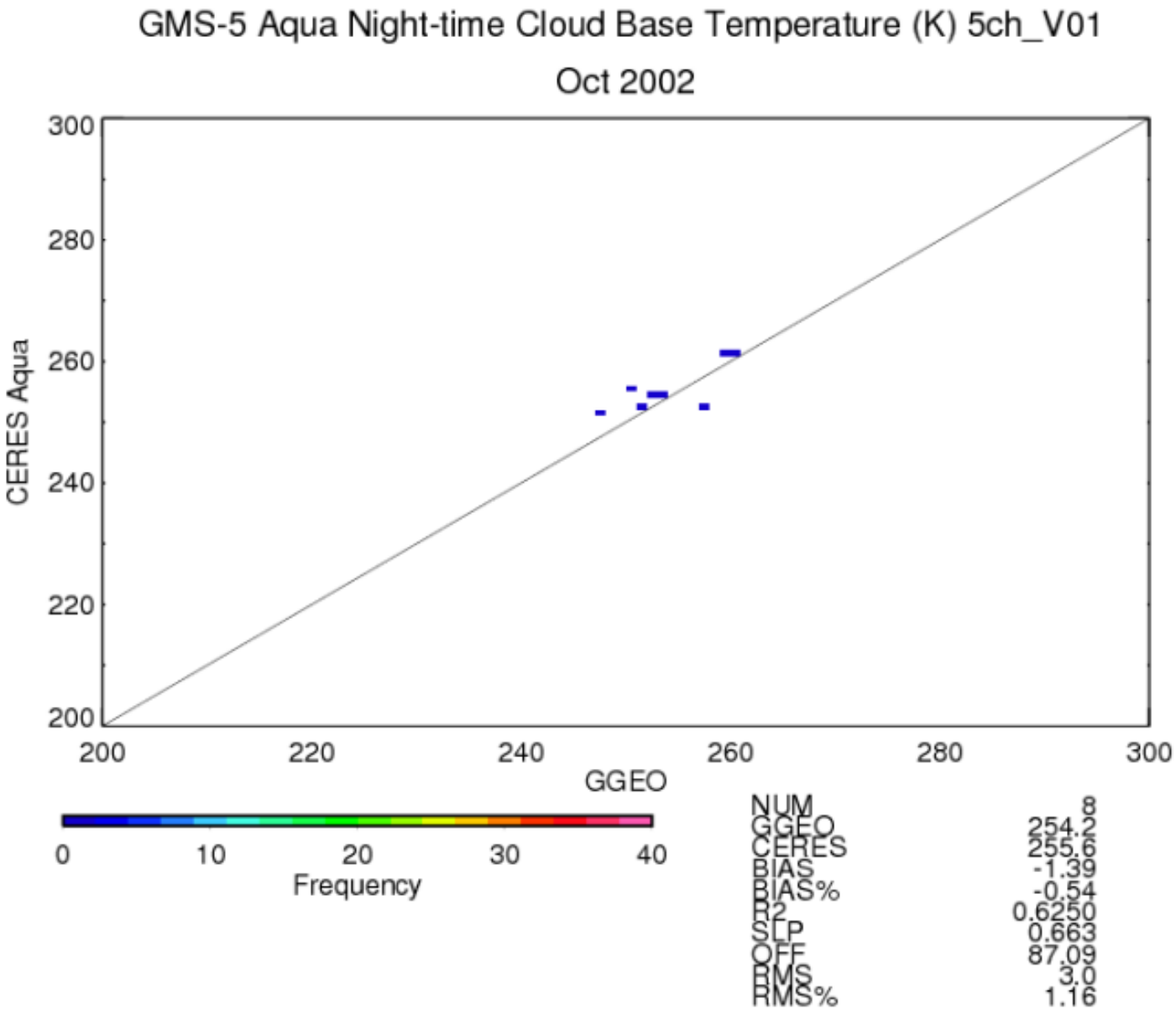

GMS-5 Aqua Daytime Emissivity 5ch_V01
Oct 2002
CERES Aqua
1.00
0.75
0.50
0.25
0.00
0.00
0.25
0.50
0.75
1.00
GGEO
0
10
20
30
40
Frequency
NUM 81961
GGEO 0.8
CERES 0.7
BIAS 0.01
BIAS% 1.91
R2 0.4179
SLP 0.734
OFF 0.19
RMS 0.2
RMS% 23.43

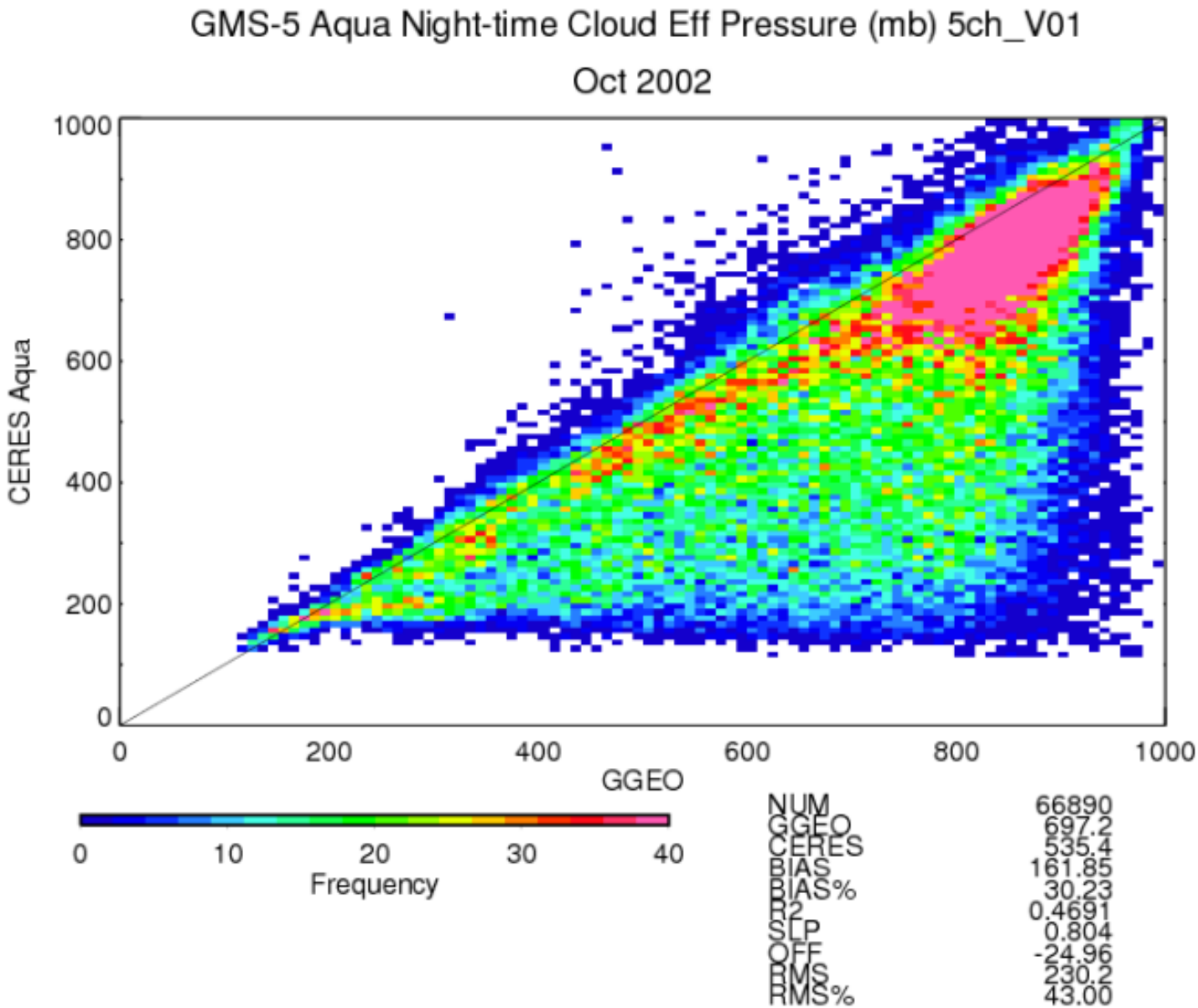

GMS-5 Aqua Daytime Skin Temperature (K) 5ch_V01
Oct 2002
340
315
290
265
240
CERES Aqua
GGEO has no valid data
240
265
290
315
340
GGEO
NUM 20
GGEO 0.0
CERES 0.0
BIAS 0.00
BIAS% -NaN
R2 -NaN
SLP -NaN
OFF -NaN
RMS 0.0
RMS% -NaN

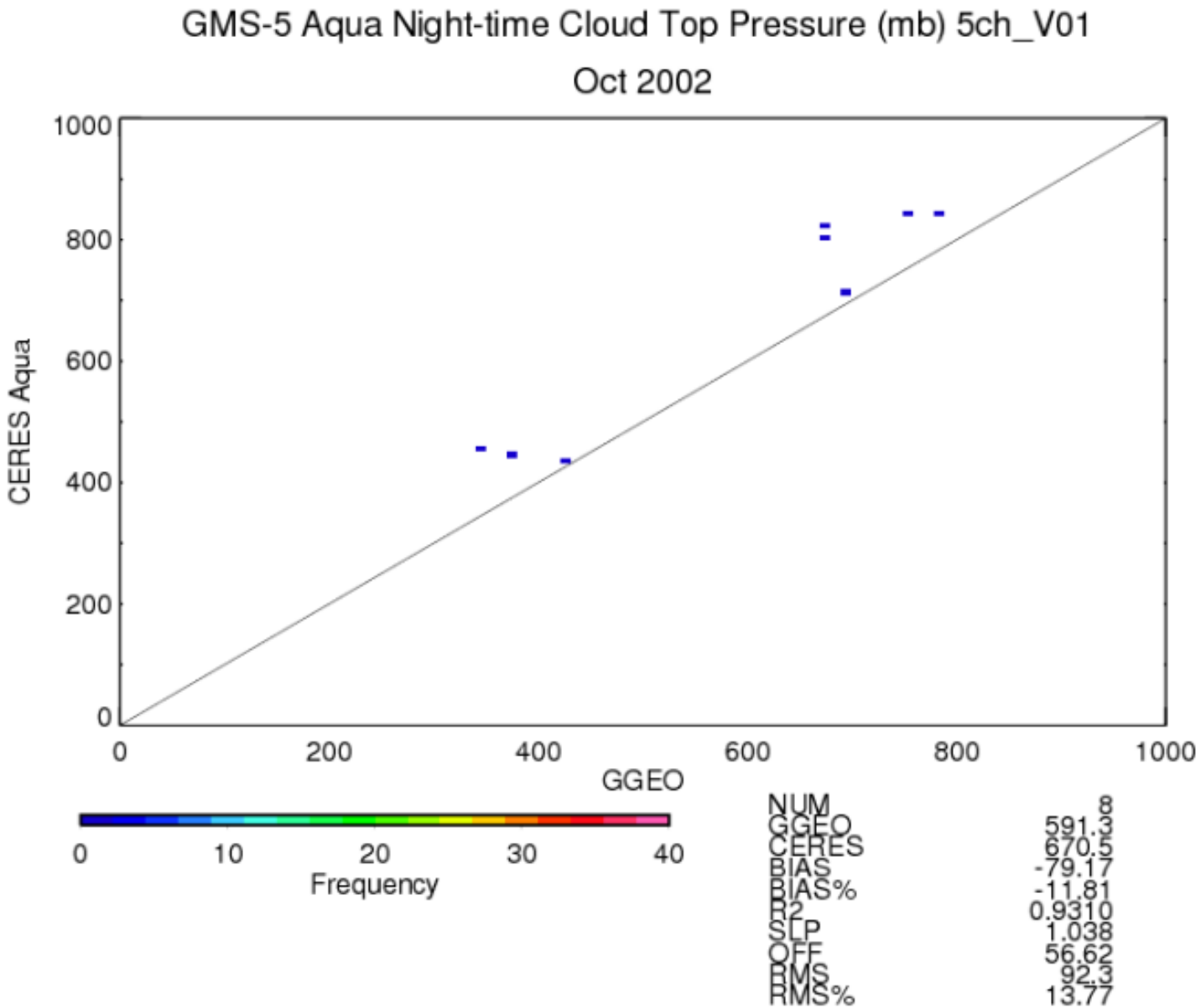

GMS-5 Aqua Night-time Cloud Amount (%) 5ch_V01
Oct 2002
CERES Aqua
GGEO
Frequency
NUM 66890
GGEO 58.9
CERES 72.7
BIAS -13.78
BIAS% -18.95
R2 0.5263
SLP 0.662
OFF 33.72
RMS 29.8
RMS% 40.98

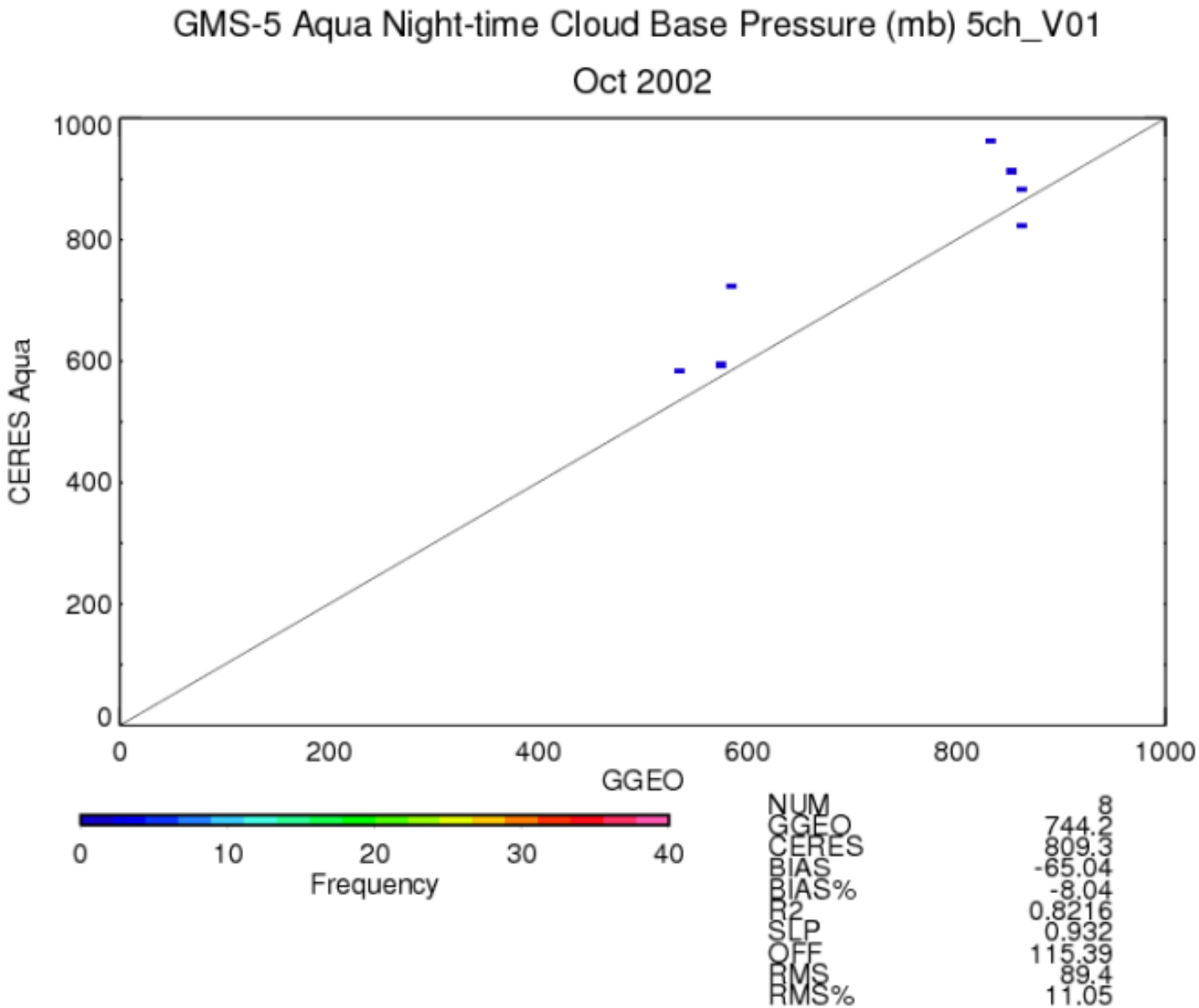

GMS-5 Aqua Night-time Cloud Temperature (K) 5ch_V01
Oct 2002
CERES Aqua
GGEO
300
280
260
240
220
200
200
220
240
260
280
300
0
10
20
30
40
Frequency
NUM 66890
GGEO 269.1
CERES 253.2
BIAS 15.93
BIAS% 6.29
R2 0.2598
SLP 0.635
OFF 82.22
RMS 25.3
RMS% 10.01

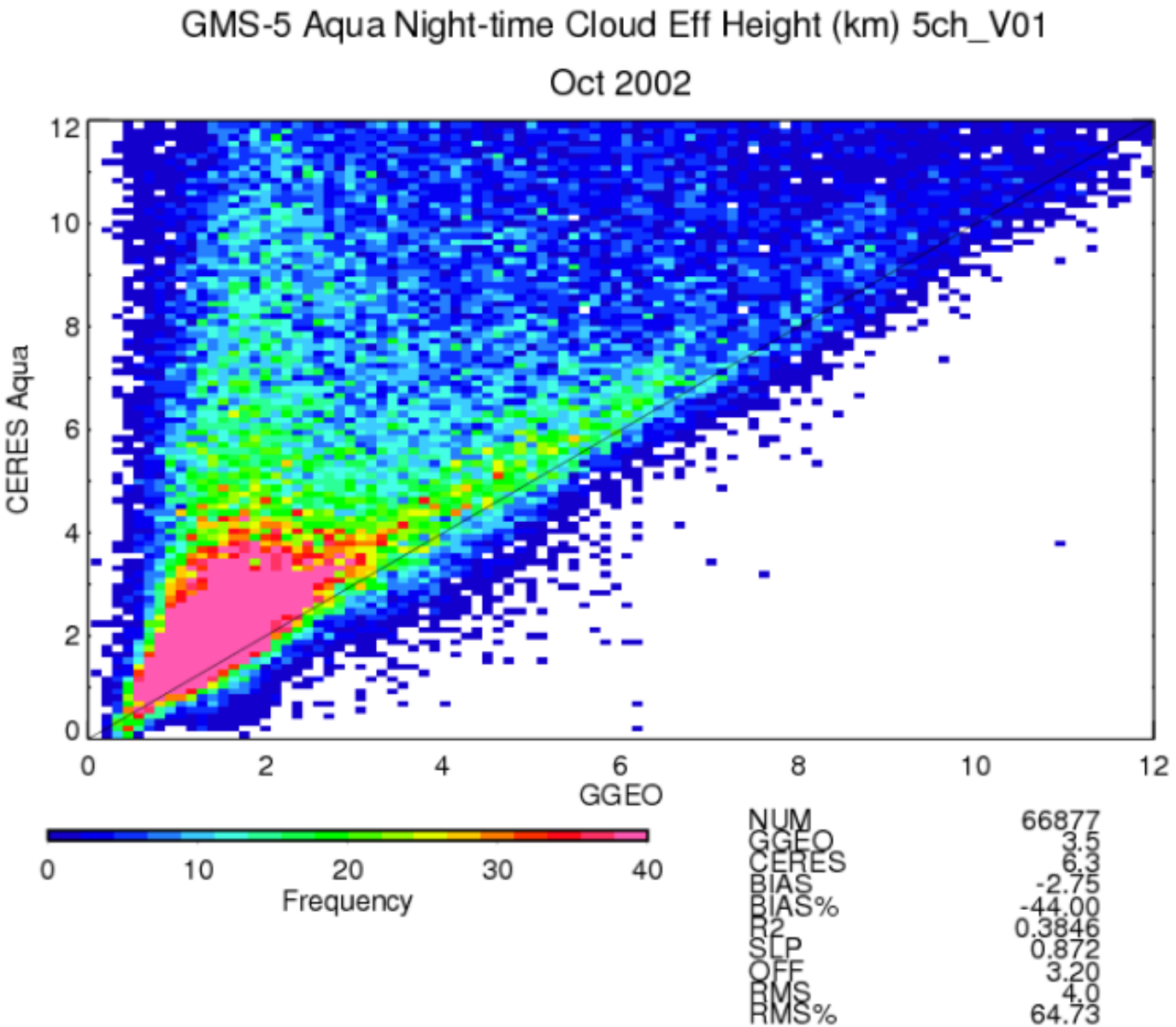

GMS-5 Aqua Night-time Cloud Top Temperature (K) 5ch_V01
Oct 2002
CERES Aqua
300
280
260
240
220
200
200
220
240
260
280
300
GGEO
0
10
20
30
40
Frequency
NUM 8
GGEO 245.6
CERES 247.8
BIAS -2.15
BIAS% -0.87
R2 0.8789
SLP 0.633
OFF 92.22
RMS 5.6
RMS% 2.25

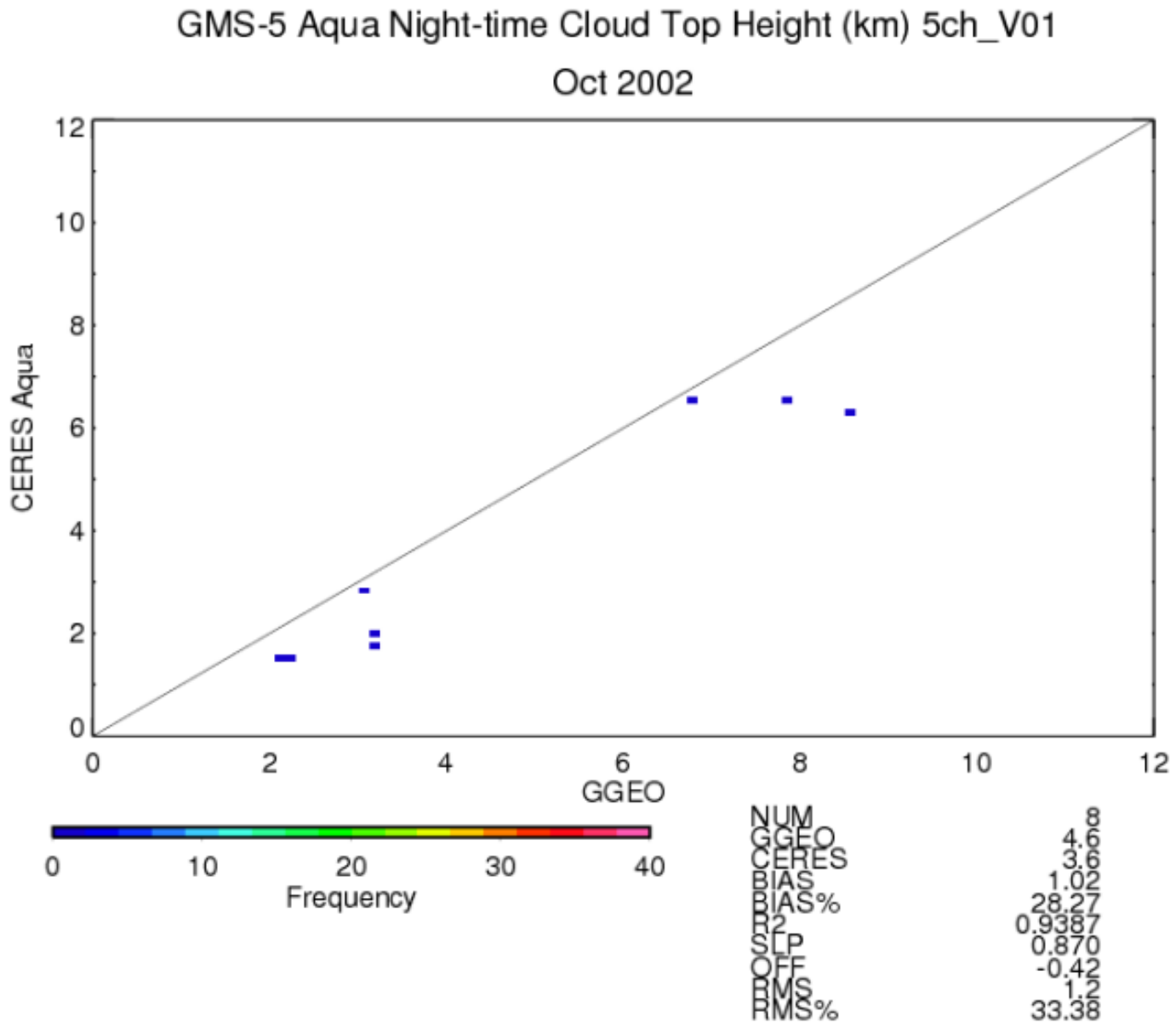

GMS-5 Aqua Night-time Cloud Base Temperature (K) 5ch_V01
Oct 2002
CERES Aqua
GGEO
300
280
260
240
220
200
200
220
240
260
280
300
0
10
20
30
40
Frequency
NUM 8
GGEO 254.2
CERES 255.6
BIAS -1.39
BIAS% -0.54
R2 0.6250
SLP 0.663
OFF 87.09
RMS 3.0
RMS% 1.16

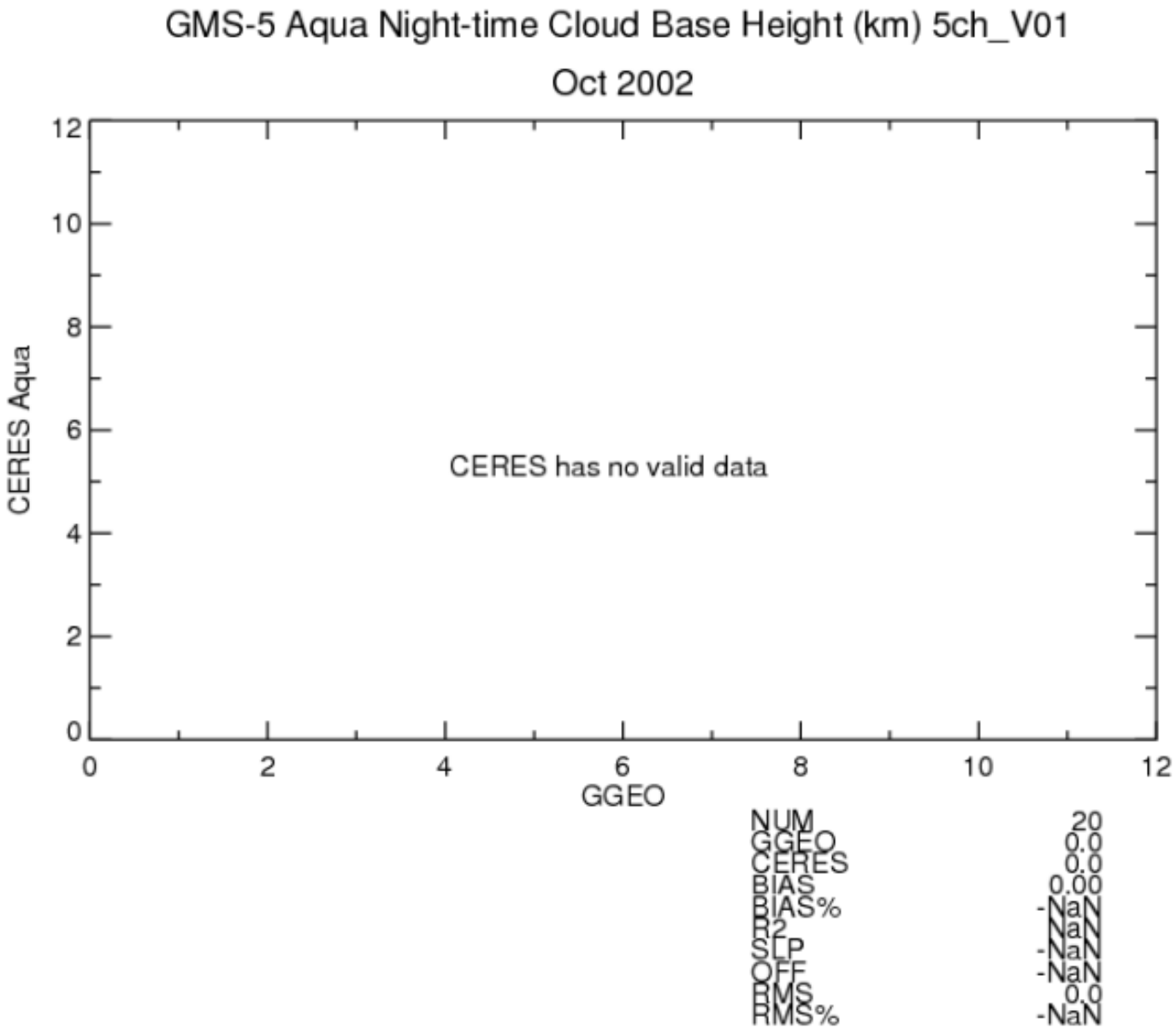

GMS-5 Aqua Night-time Cloud Eff Pressure (mb) 5ch_V01
Oct 2002
CERES Aqua
GGEO
0
200
400
600
800
1000
Frequency
0
10
20
30
40
NUM 66890
GGEO 697.2
CERES 535.4
BIAS 161.85
BIAS% 30.23
R2 0.4691
SLP 0.804
OFF -24.96
RMS 230.2
RMS% 43.00

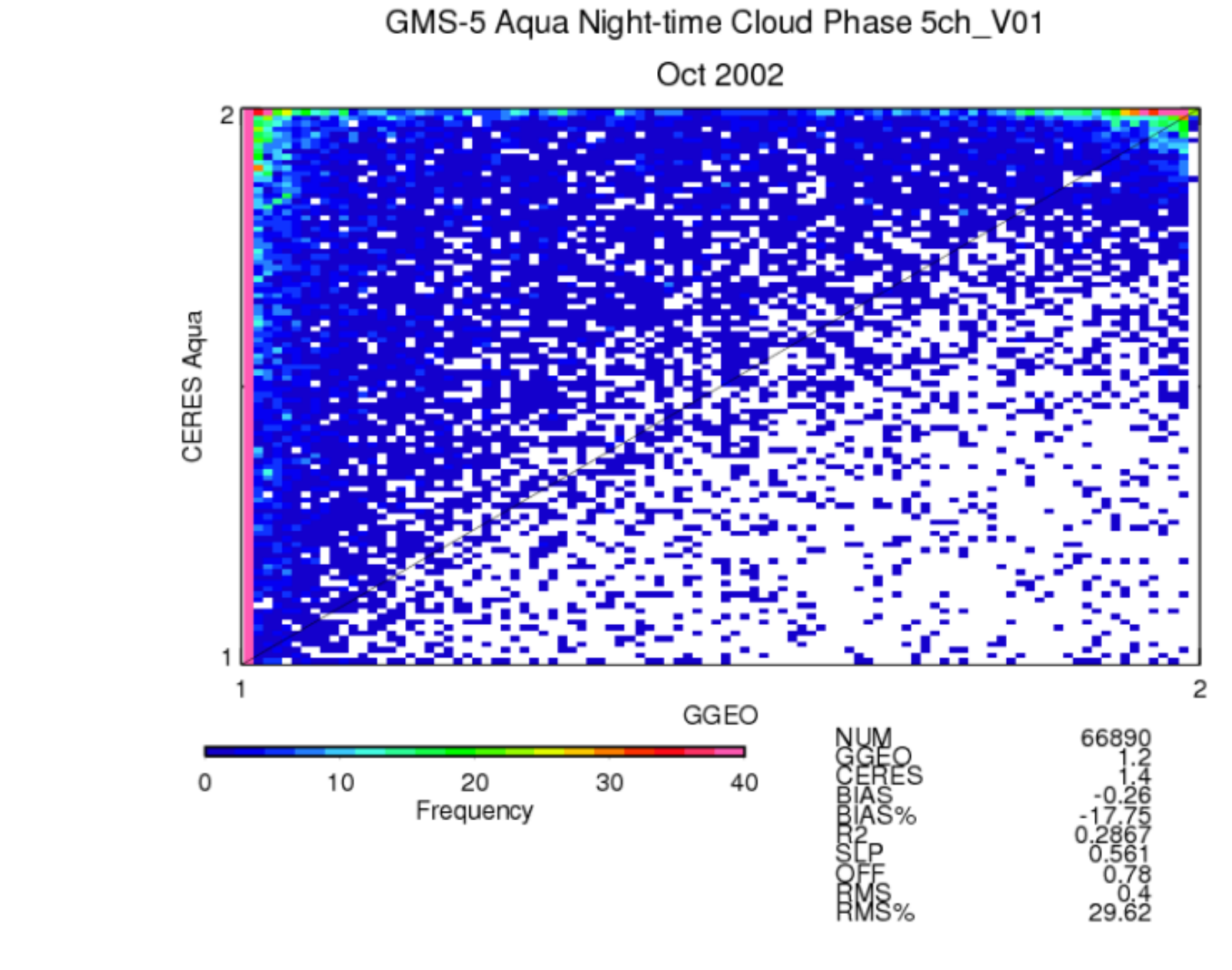

GMS-5 Aqua Night-time Cloud Top Pressure (mb) 5ch_V01
Oct 2002
CERES Aqua
GGEO
0
200
400
600
800
1000
0
10
20
30
40
Frequency
NUM 8
GGEO 591.3
CERES 670.5
BIAS -79.17
BIAS% -11.81
R2 0.9310
SLP 1.038
OFF 56.62
RMS 92.3
RMS% 13.77

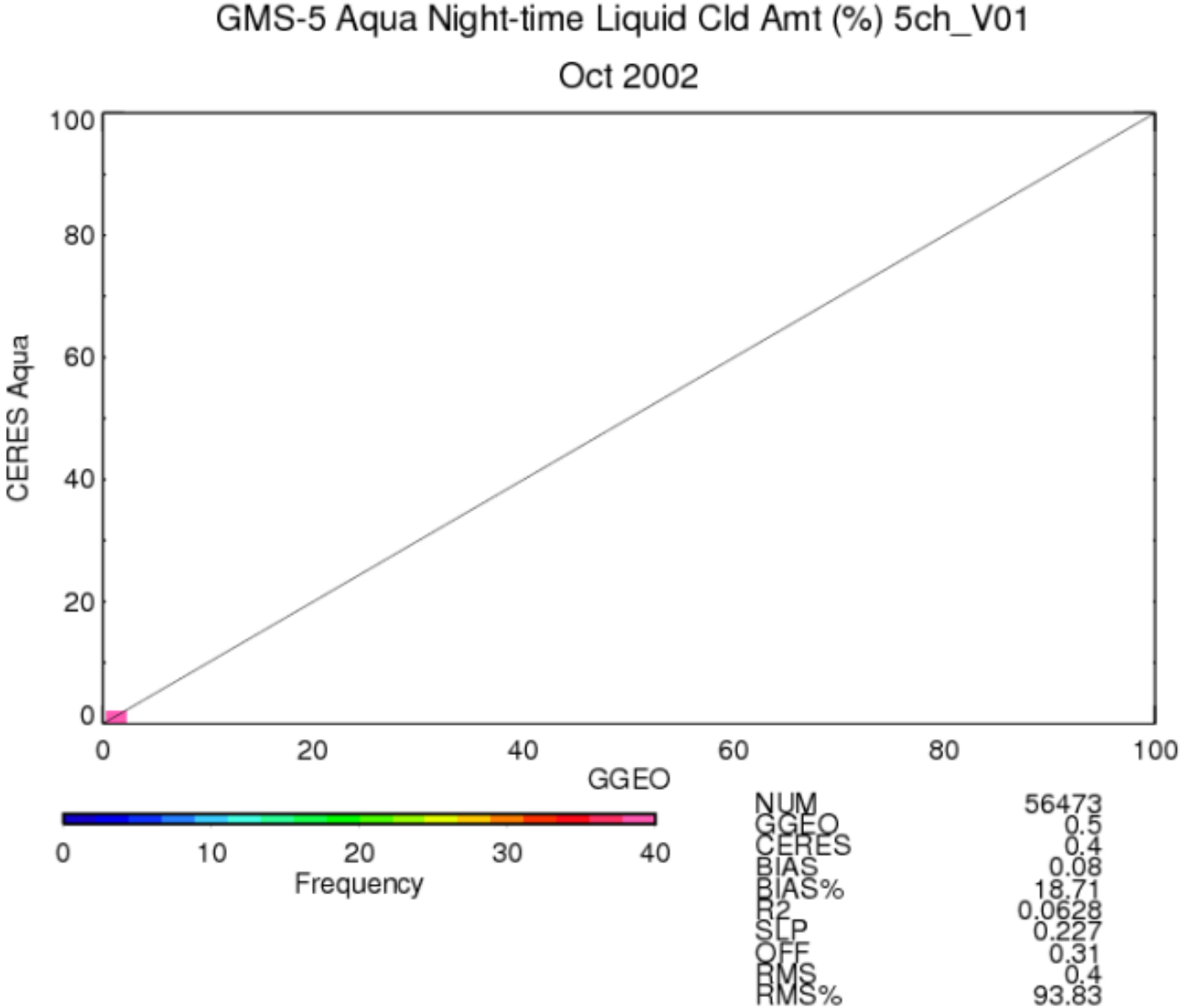

GMS-5 Aqua Night-time Cloud Base Pressure (mb) 5ch_V01
Oct 2002
CERES Aqua
GGEO
0
200
400
600
800
1000
Frequency
0
10
20
30
40
NUM 8
GGEO 744.2
CERES 809.3
BIAS -65.04
BIAS% -8.04
R2 0.8216
SLP 0.932
OFF 115.39
RMS 89.4
RMS% 11.05

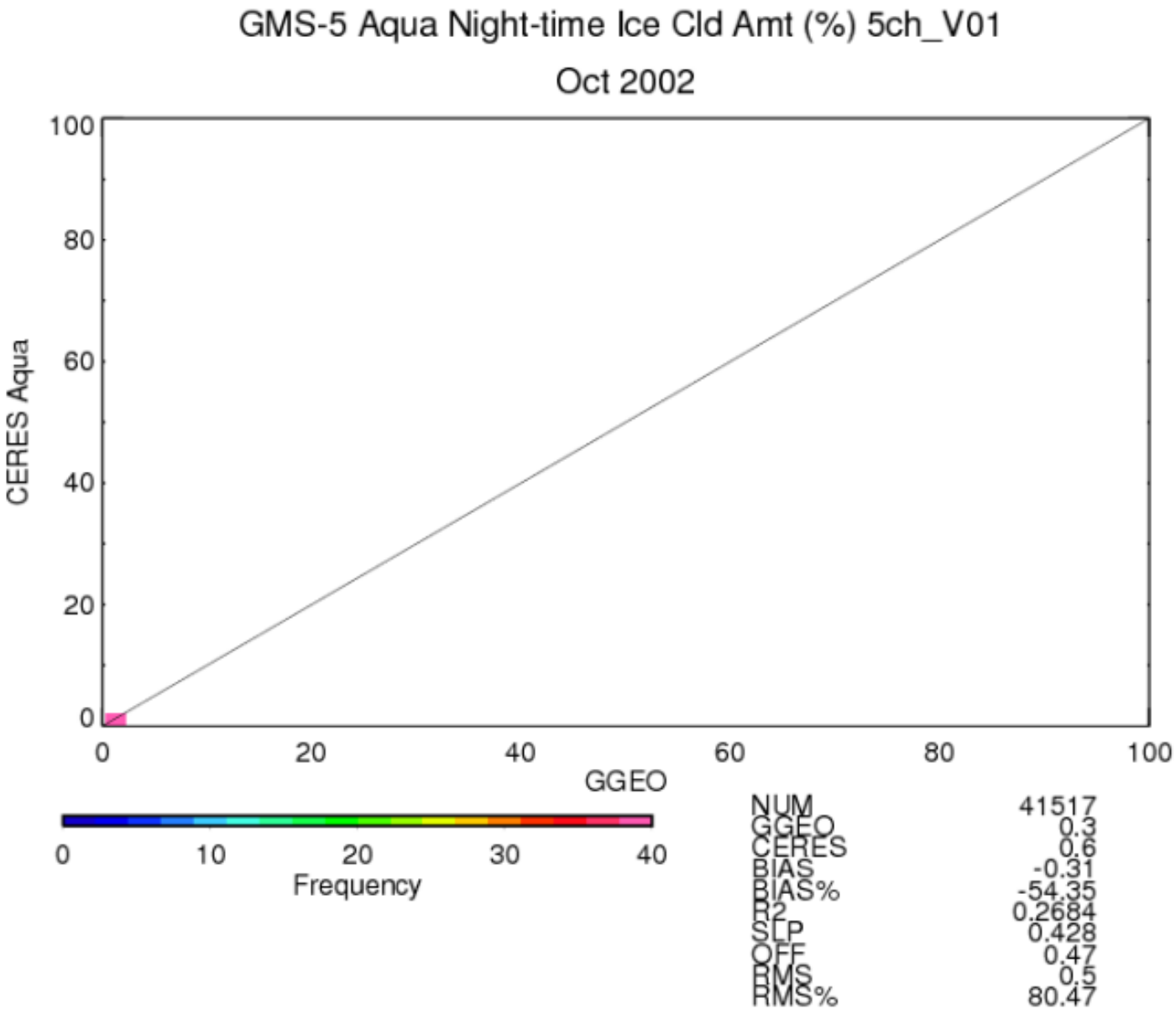

GMS-5 Aqua Night-time Cloud Eff Height (km) 5ch_V01
Oct 2002
CERES Aqua
GGEO
0
2
4
6
8
10
12
Frequency
0
10
20
30
40
NUM 66877
GGEO 3.5
CERES 6.3
BIAS -2.75
BIAS% -44.00
R2 0.3846
SLP 0.872
OFF 3.20
RMS 4.0
RMS% 64.73

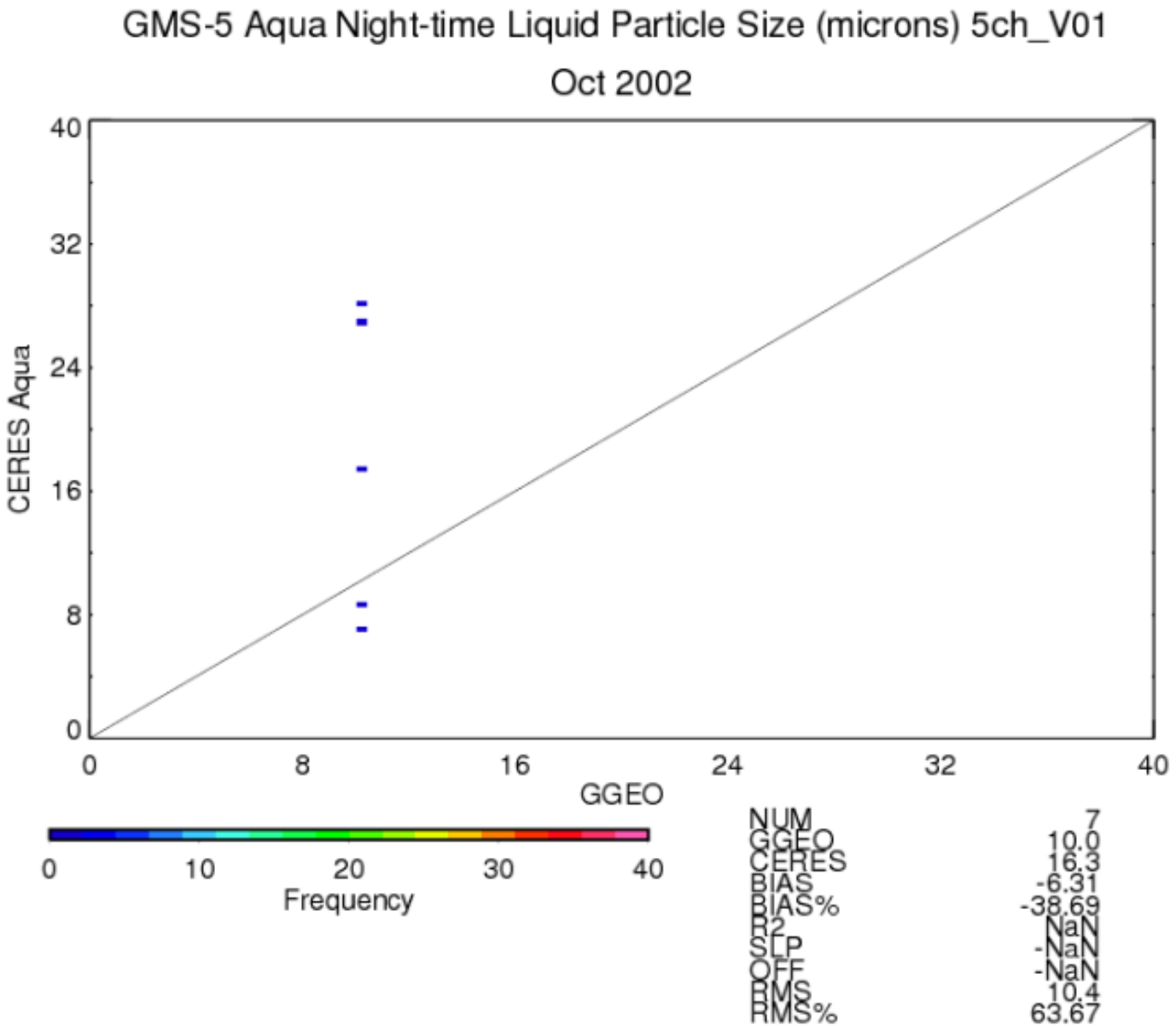

GMS-5 Aqua Night-time Cloud Top Height (km) 5ch_V01
Oct 2002
CERES Aqua
GGEO
0
2
4
6
8
10
12
Frequency
0
10
20
30
40
NUM 8
GGEO 4.6
CERES 3.6
BIAS 1.02
BIAS% 28.27
R2 0.9387
SLP 0.870
OFF -0.42
RMS 1.2
RMS% 33.38

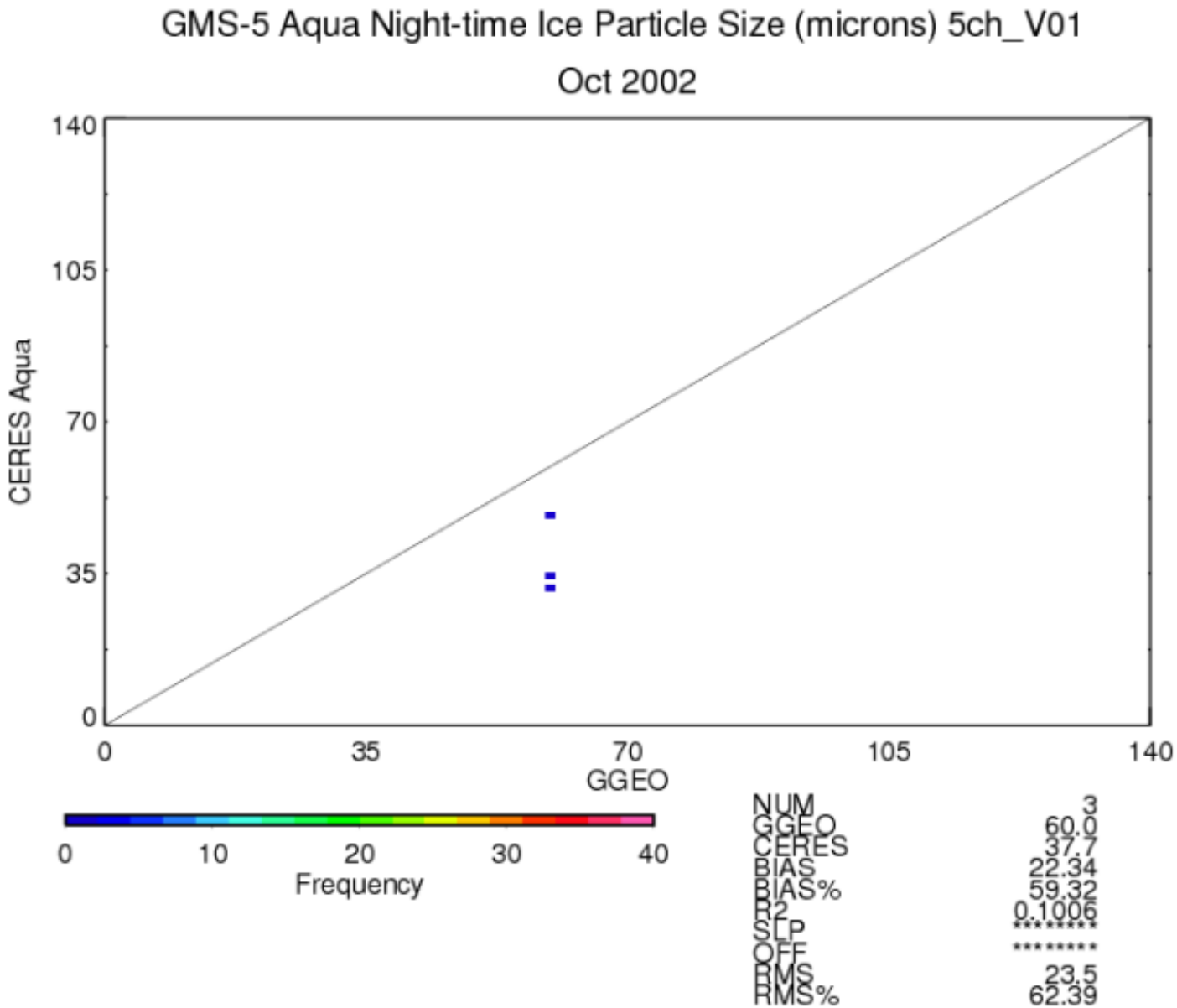

GMS-5 Aqua Night-time Cloud Base Height (km) 5ch_V01
Oct 2002
CERES Aqua
GGEO
CERES has no valid data
0
2
4
6
8
10
12
NUM 20
GGEO 0.0
CERES 0.0
BIAS 0.00
BIAS% -NaN
R2 NaN
SLP -NaN
OFF -NaN
RMS 0.0
RMS% -NaN

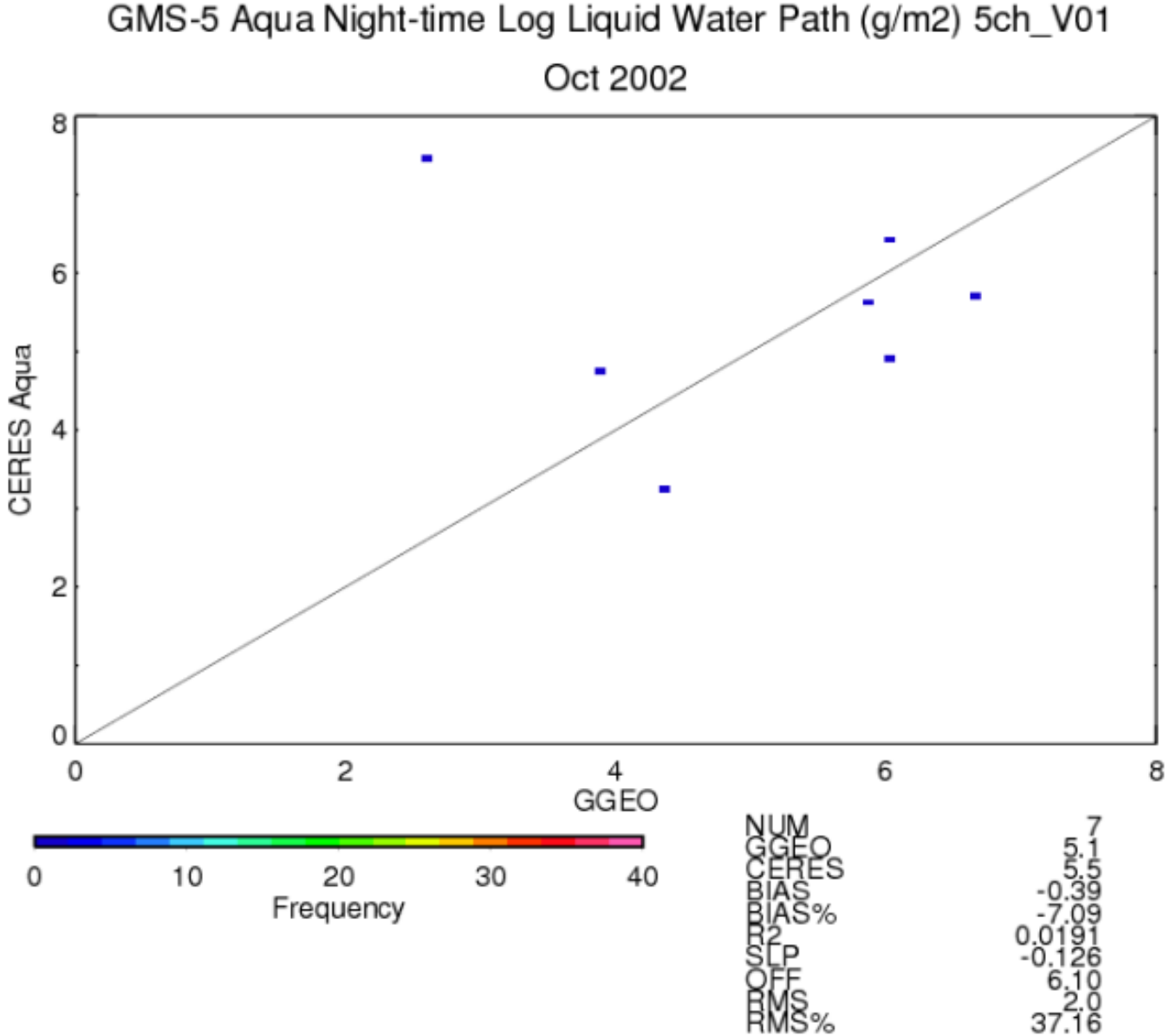

GMS-5 Aqua Night-time Cloud Phase 5ch_V01
Oct 2002
CERES Aqua
2
1
1
2
GGEO
0
10
20
30
40
Frequency
NUM 66890
GGEO 1.2
CERES 1.4
BIAS -0.26
BIAS% -17.75
R2 0.2867
SLP 0.561
OFF 0.78
RMS 0.4
RMS% 29.62

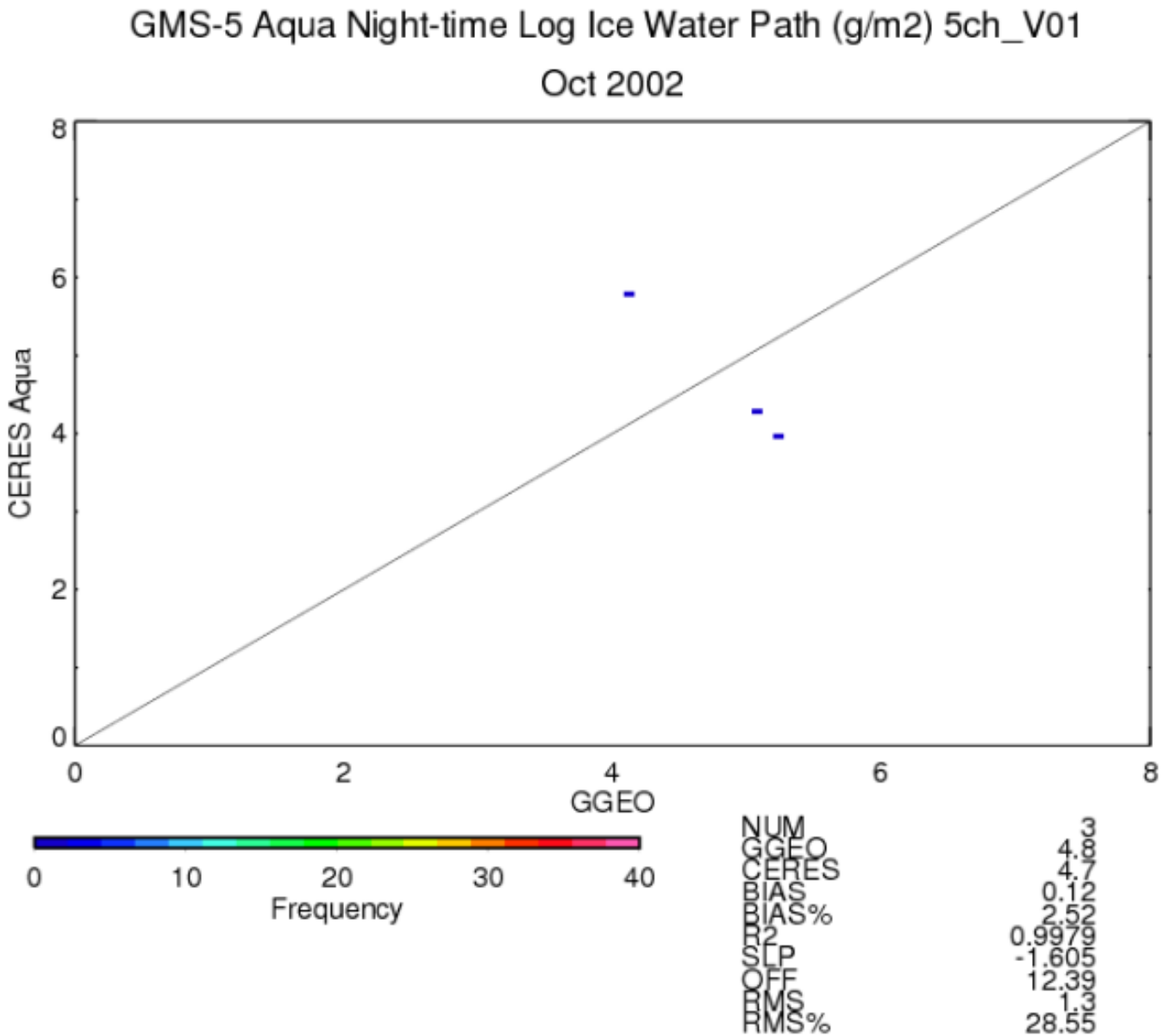

GMS-5 Aqua Night-time Liquid Cld Amt (%) 5ch_V01
Oct 2002
CERES Aqua
GGEO
0
20
40
60
80
100
Frequency
0
10
20
30
40
NUM 56473
GGEO 0.5
CERES 0.4
BIAS 0.08
BIAS% 18.71
R2 0.0628
SLP 0.227
OFF 0.31
RMS 0.4
RMS% 93.83

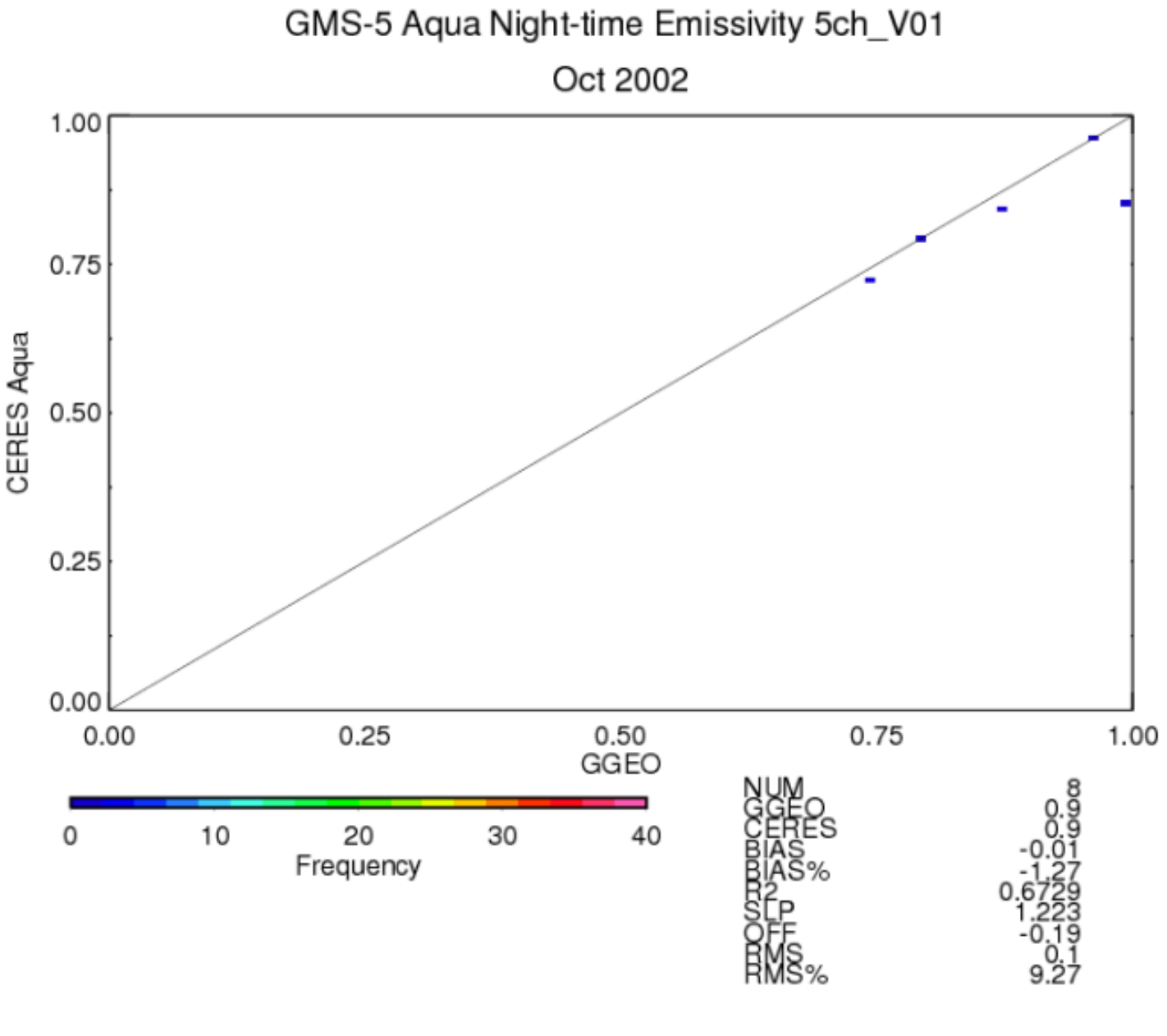

GMS-5 Aqua Night-time Ice Cld Amt (%) 5ch_V01
Oct 2002
CERES Aqua
GGEO
Frequency
0
10
20
30
40
0
20
40
60
80
100
NUM 41517
GGEO 0.3
CERES 0.6
BIAS -0.31
BIAS% -54.35
R2 0.2684
SLP 0.428
OFF 0.47
RMS 0.5
RMS% 80.47

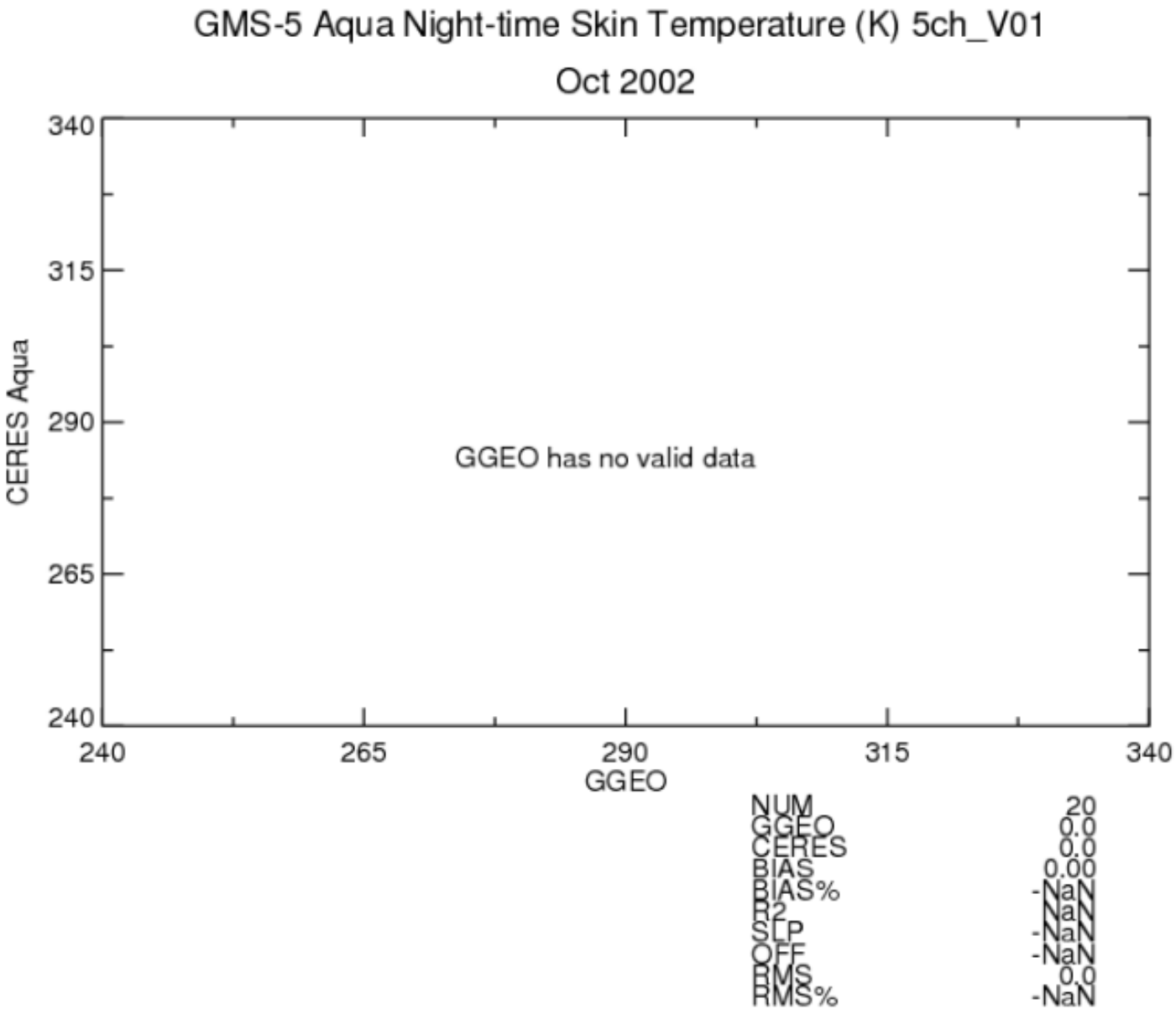

GMS-5 Aqua Night-time Liquid Particle Size (microns) 5ch_V01
Oct 2002
CERES Aqua
GGEO
0
8
16
24
32
40
Frequency
0
10
20
30
40
NUM 7
GGEO 10.0
CERES 16.3
BIAS -6.31
BIAS% -38.69
R2 NaN
SLP -NaN
OFF -NaN
RMS 10.4
RMS% 63.67


GMS-5 Aqua Night-time Ice Particle Size (microns) 5ch_V01
Oct 2002
CERES Aqua
140
105
70
35
0
0
35
70
105
140
GGEO
0
10
20
30
40
Frequency
NUM 3
GGEO 60.0
CERES 37.7
BIAS 22.34
BIAS% 59.32
R2 0.1006
SLP ********
OFF ********
RMS 23.5
RMS% 62.39


GMS-5 Aqua Night-time Log Liquid Water Path (g/m2) 5ch_V01
Oct 2002
CERES Aqua
GGEO
0
2
4
6
8
0
10
20
30
40
Frequency
NUM 7
GGEO 5.1
CERES 5.5
BIAS -0.39
BIAS% -7.09
R2 0.0191
SLP -0.126
OFF 6.10
RMS 2.0
RMS% 37.16


GMS-5 Aqua Night-time Log Ice Water Path (g/m2) 5ch_V01
Oct 2002
CERES Aqua
GGEO
0
2
4
6
8
0
10
20
30
40
Frequency
NUM 3
GGEO 4.8
CERES 4.7
BIAS 0.12
BIAS% 2.52
R2 0.9979
SLP -1.605
OFF 12.39
RMS 1.3
RMS% 28.55


GMS-5 Aqua Night-time Emissivity 5ch_V01
Oct 2002
CERES Aqua
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 8
GGEO 0.9
CERES 0.9
BIAS -0.01
BIAS% -1.27
R2 0.6729
SLP 1.223
OFF -0.19
RMS 0.1
RMS% 9.27


GMS-5 Aqua Night-time Skin Temperature (K) 5ch_V01
Oct 2002
340
315
290
265
240
CERES Aqua
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