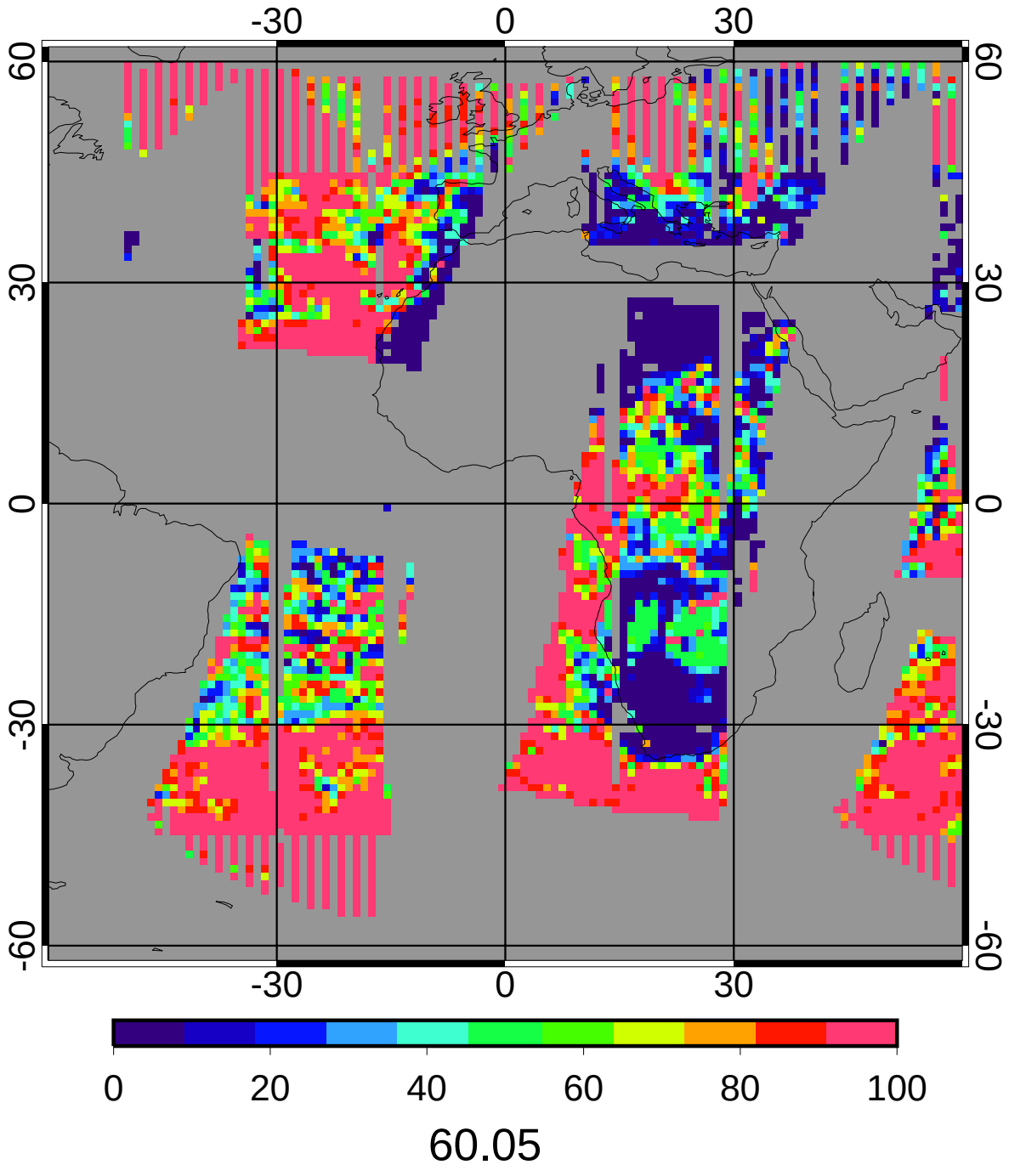
GGEO MEAN Daytime Cloud Amount (%)

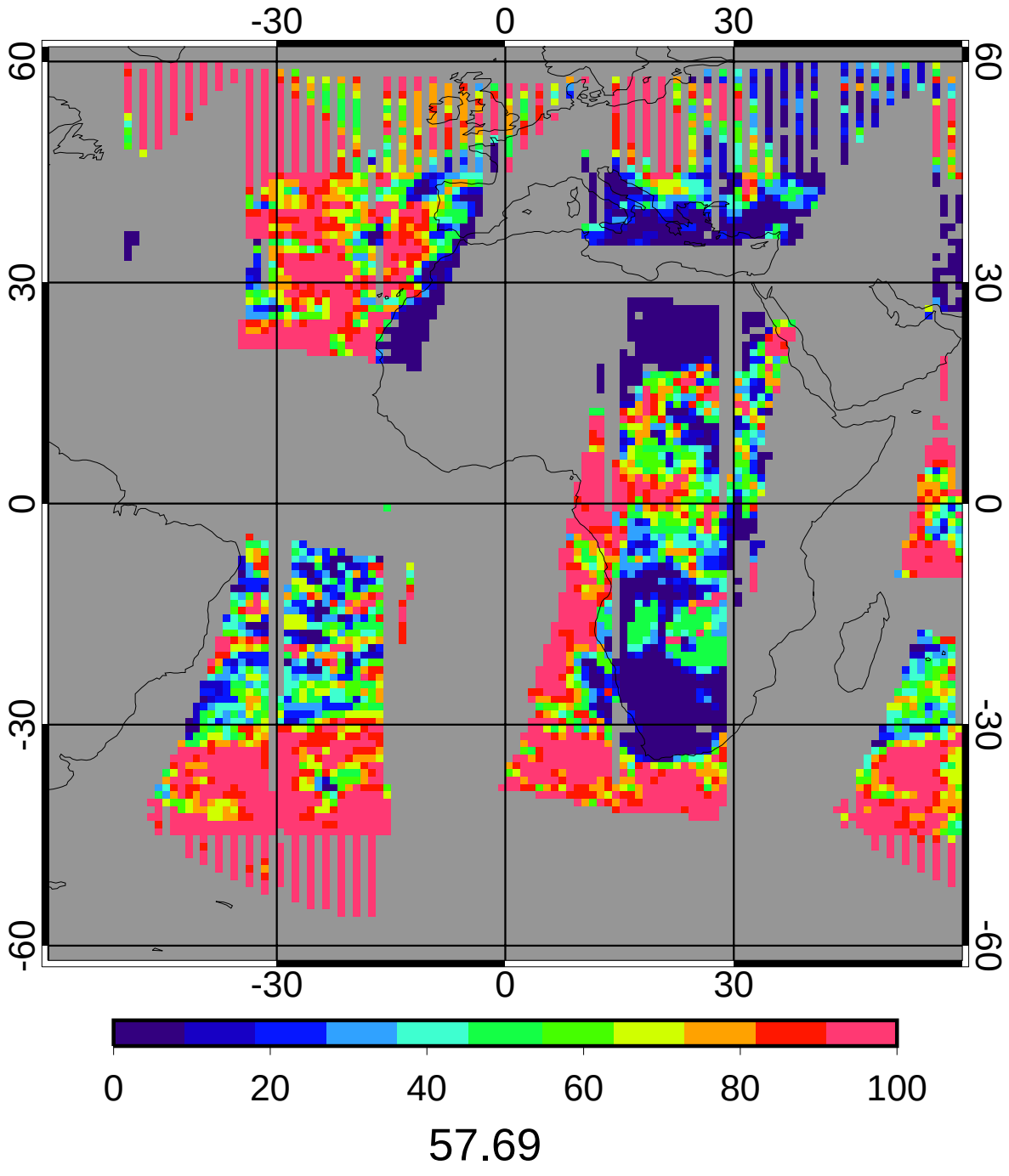
5ch_39cal Jul 2010



60.05

CERES/Terra MEAN Daytime Cloud Amount (%)

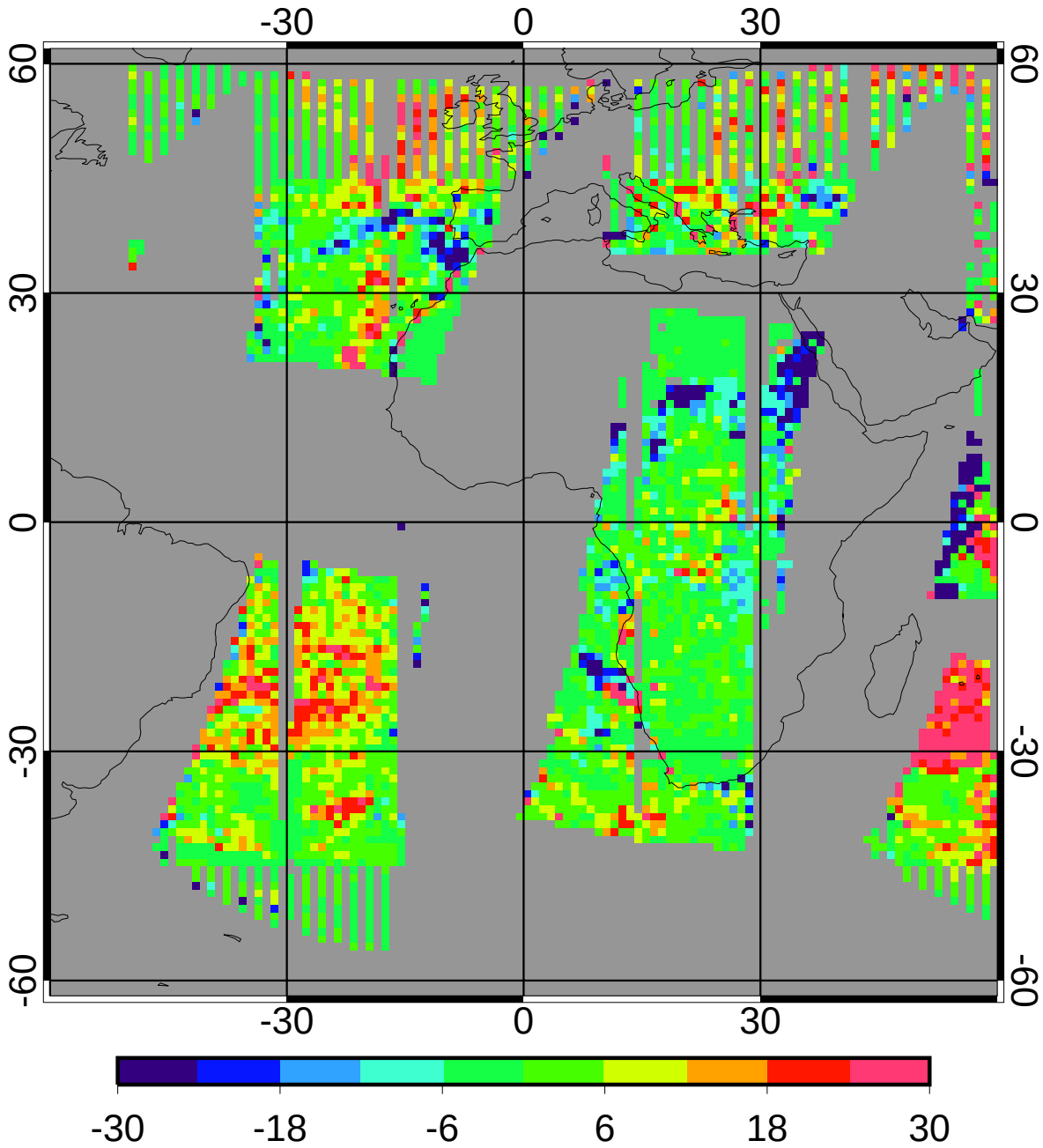
5ch_39cal Jul 2010



57.69

GGEO - CERES/Terra Daytime Cloud Amount (%) Bias

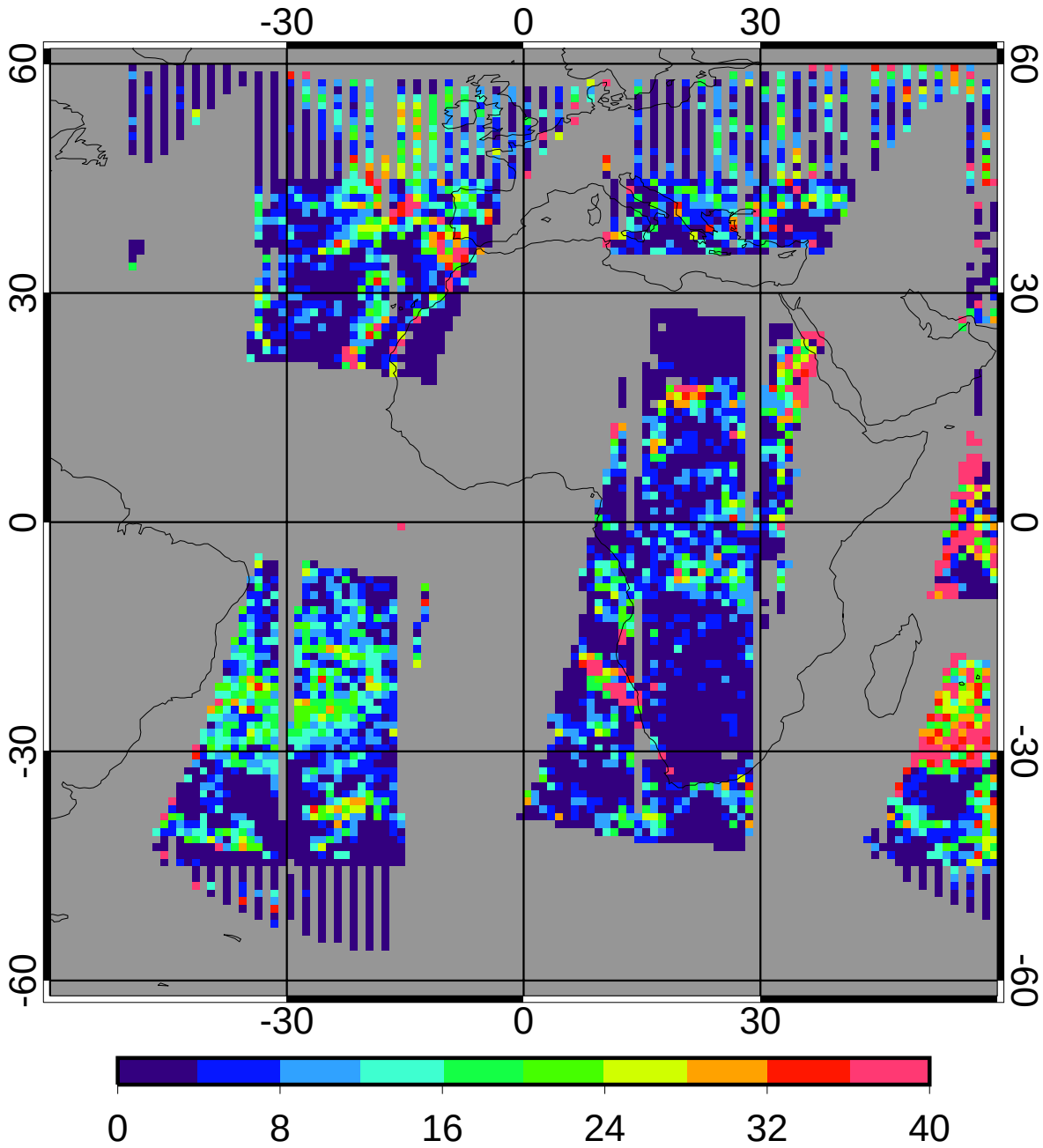
5ch_39cal Jul 2010



bias	2.36	4.09%
domain sigma	12.47	21.61%

GGEO - CERES/Terra Daytime Cloud Amount (%) RMS

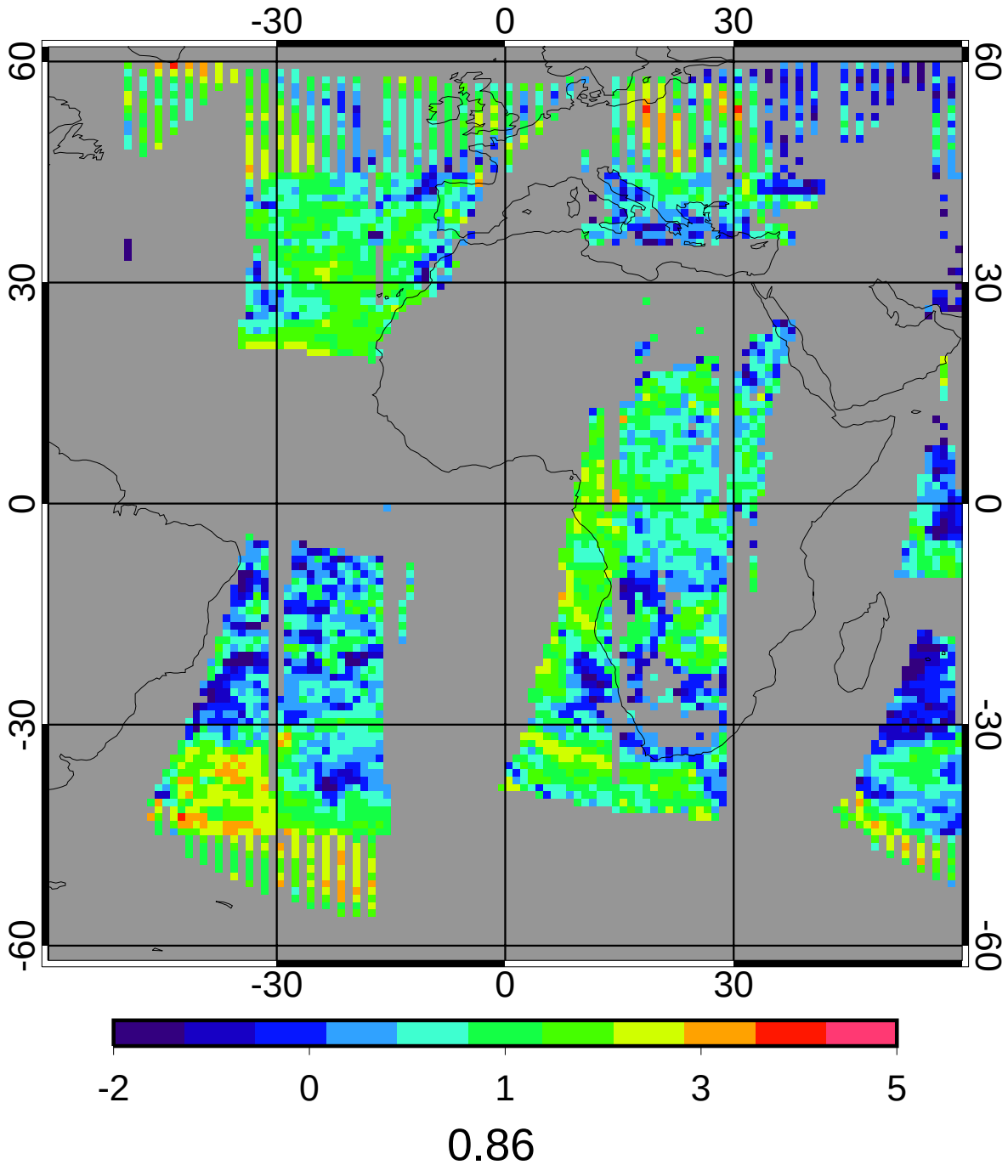
5ch_39cal Jul 2010



regave rms	9.39	16.28%
domain rms	13.41	23.25%

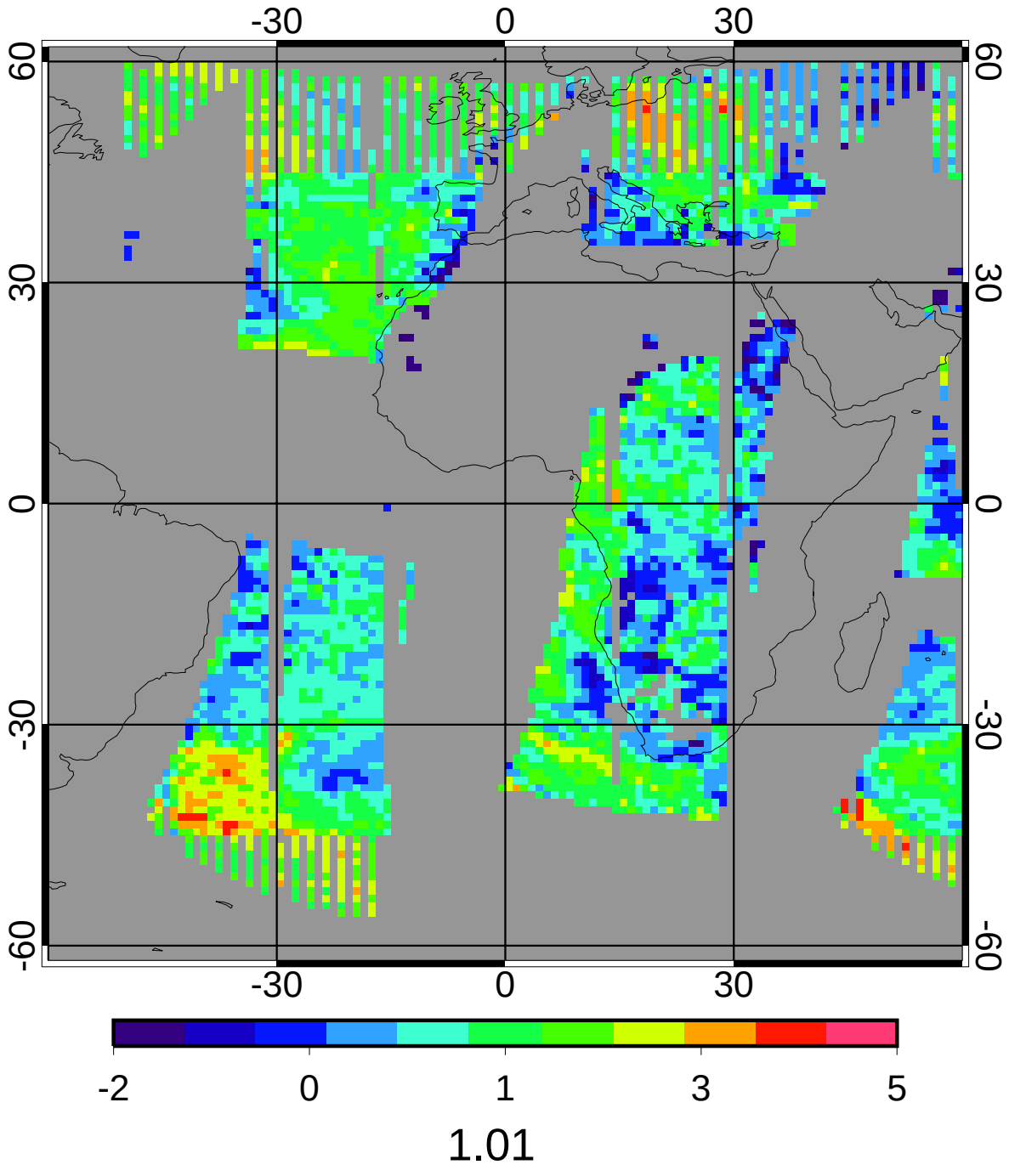
GGEO MEAN Daytime Log Optical Depth

5ch_39cal Jul 2010



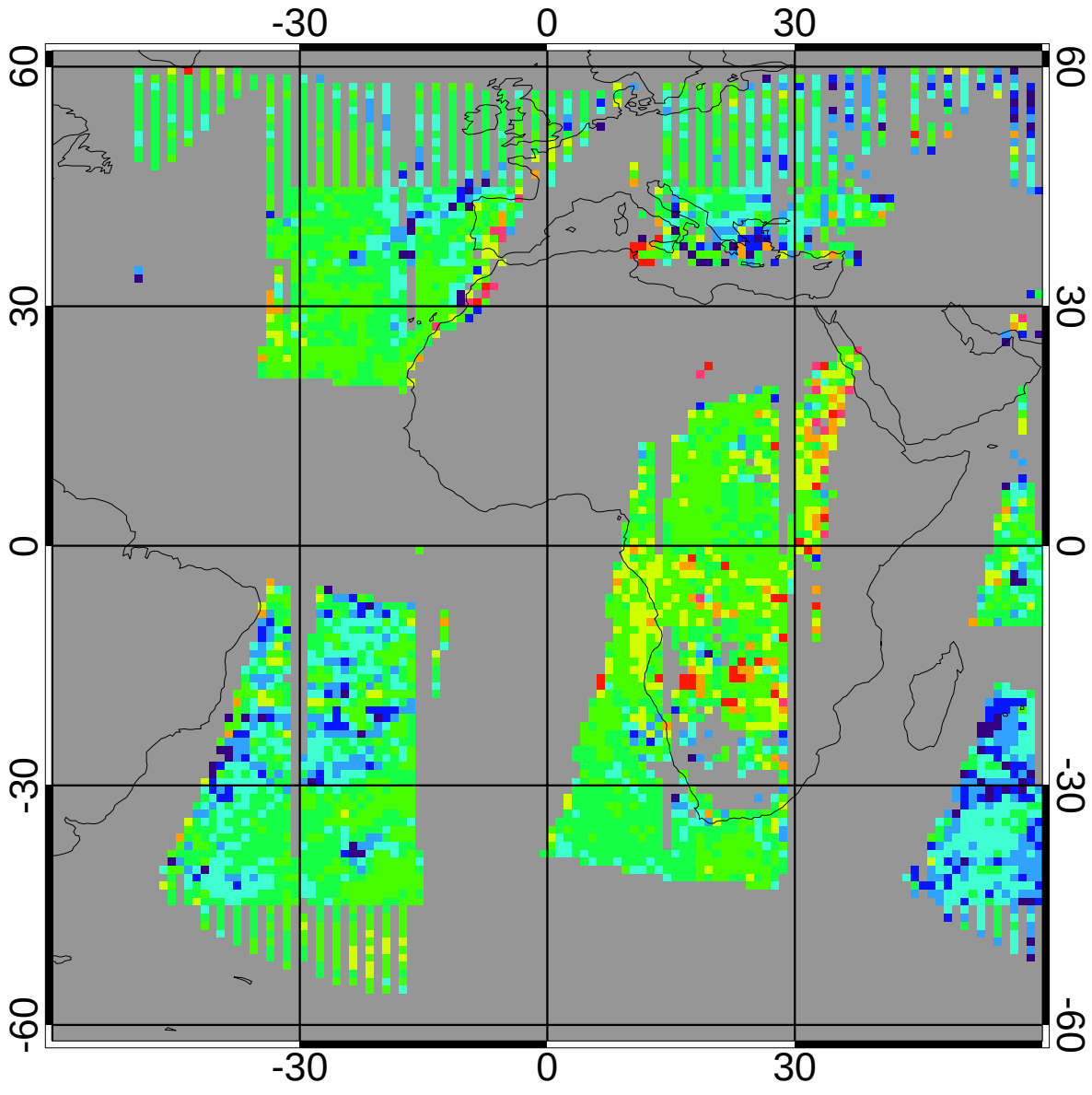
CERES/Terra MEAN Daytime Log Optical Depth

5ch_39cal Jul 2010



GGEO - CERES/Terra Daytime Log Optical Depth Bias

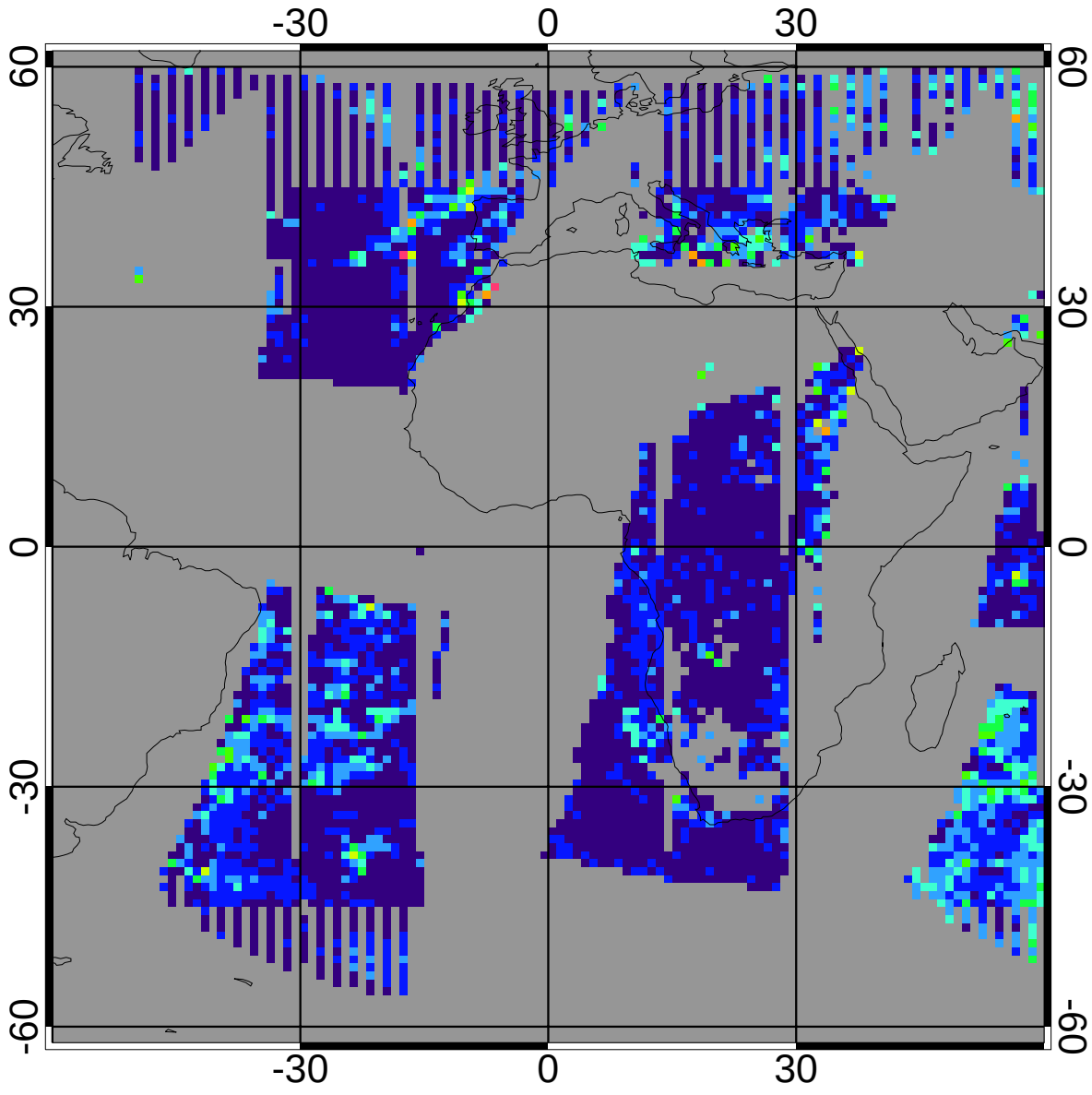
5ch_39cal Jul 2010

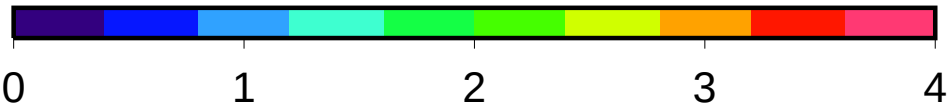


bias	-0.15	-15.07%
domain sigma	0.51	50.31%

GGEO - CERES/Terra Daytime Log Optical Depth RMS

5ch_39cal Jul 2010

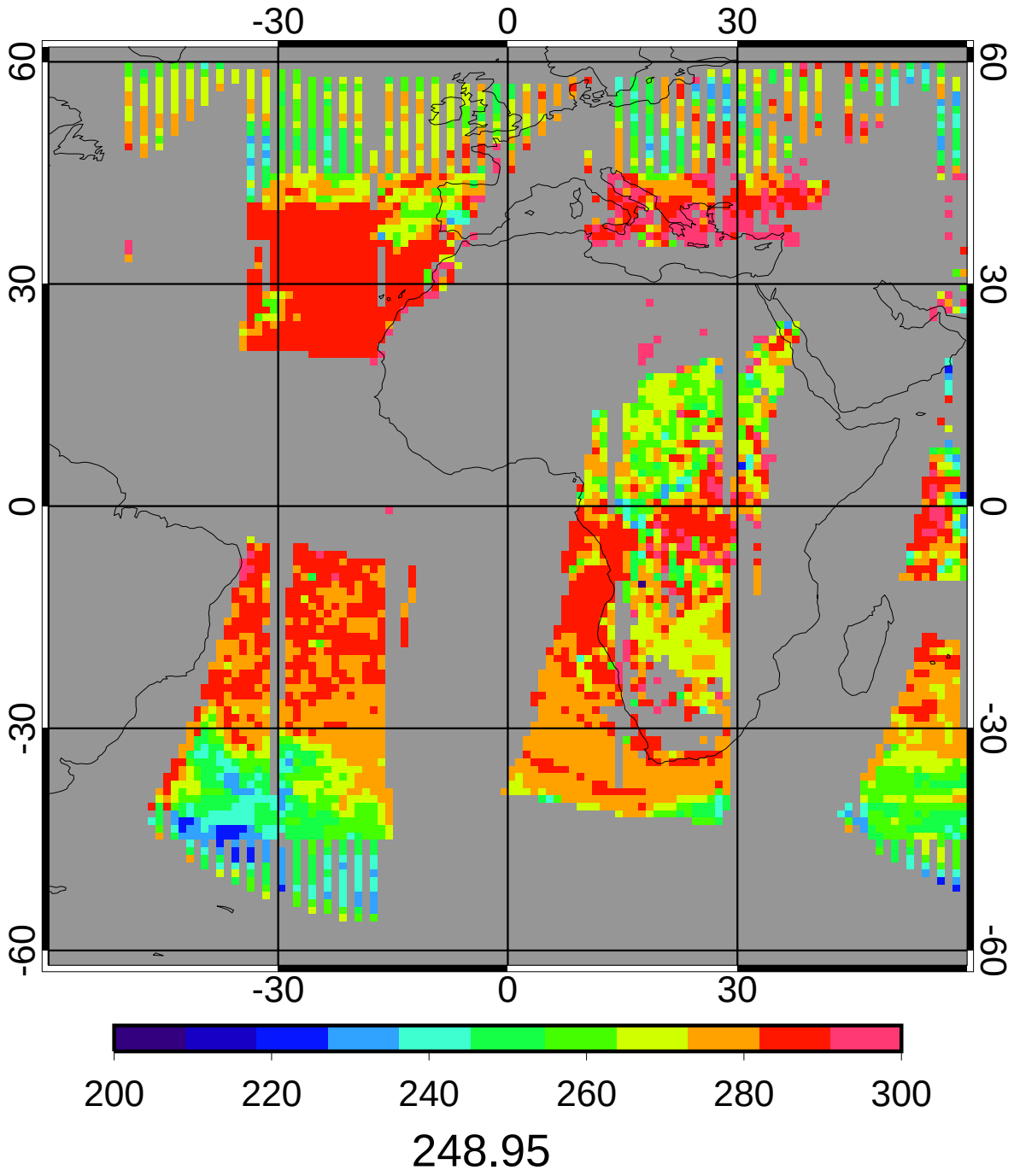




regave rms	0.41	40.83%
domain rms	0.57	56.70%

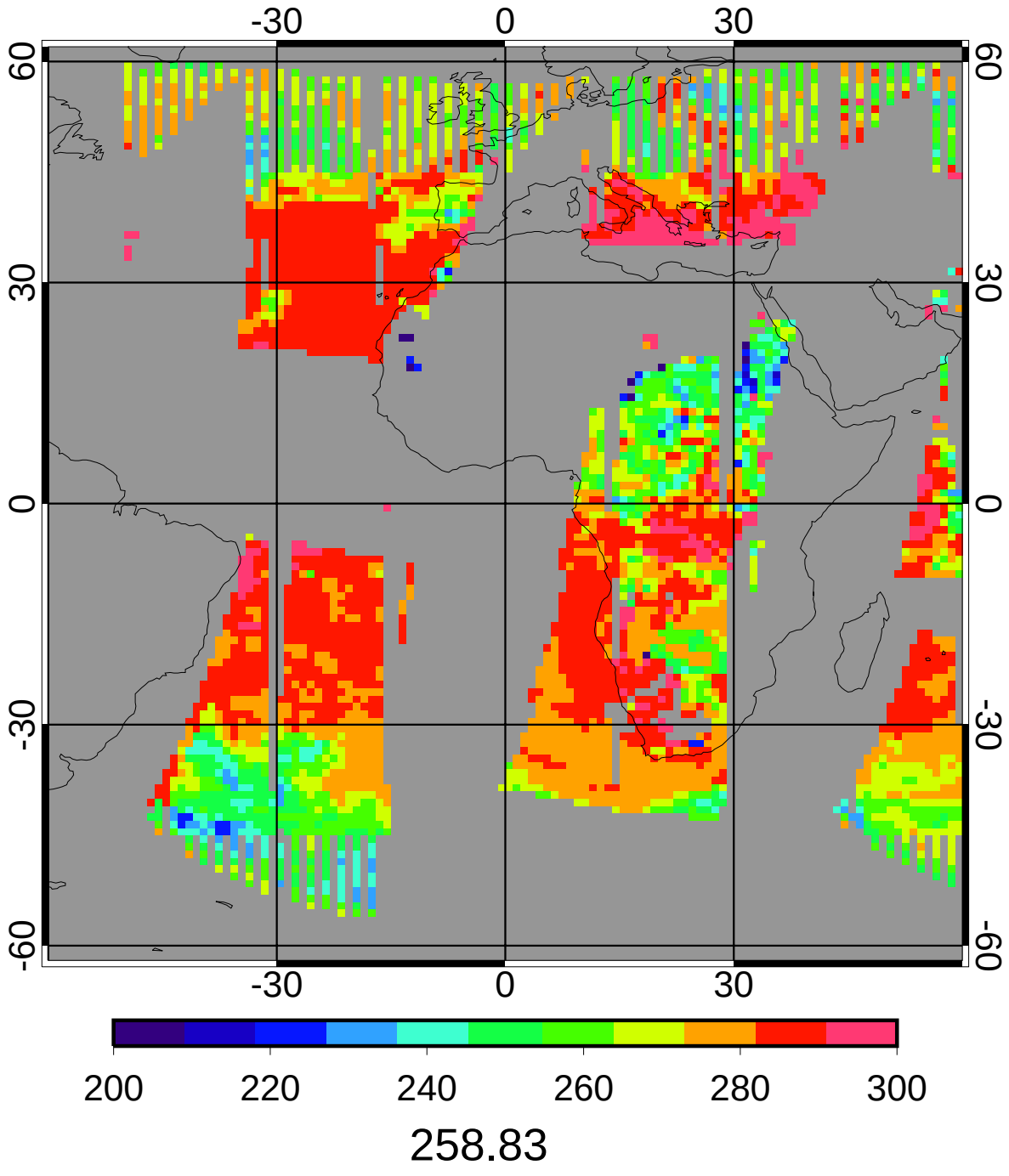
GGEO MEAN Daytime Cloud Temperature (K)

5ch_39cal Jul 2010



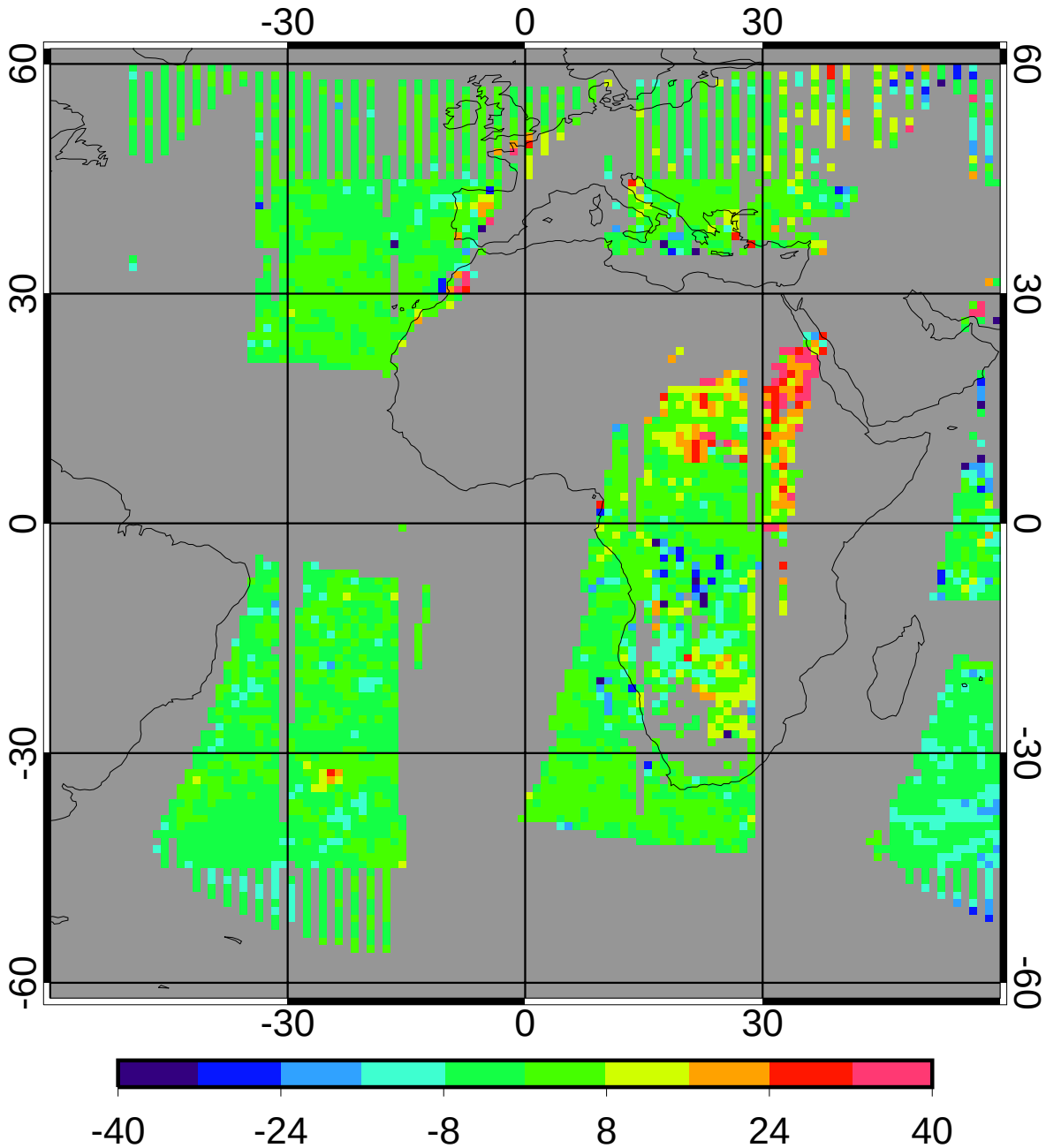
CERES/Terra MEAN Daytime Cloud Temperature (K)

5ch_39cal Jul 2010



GGEO - CERES/Terra Daytime Cloud Temperature (K) Bias

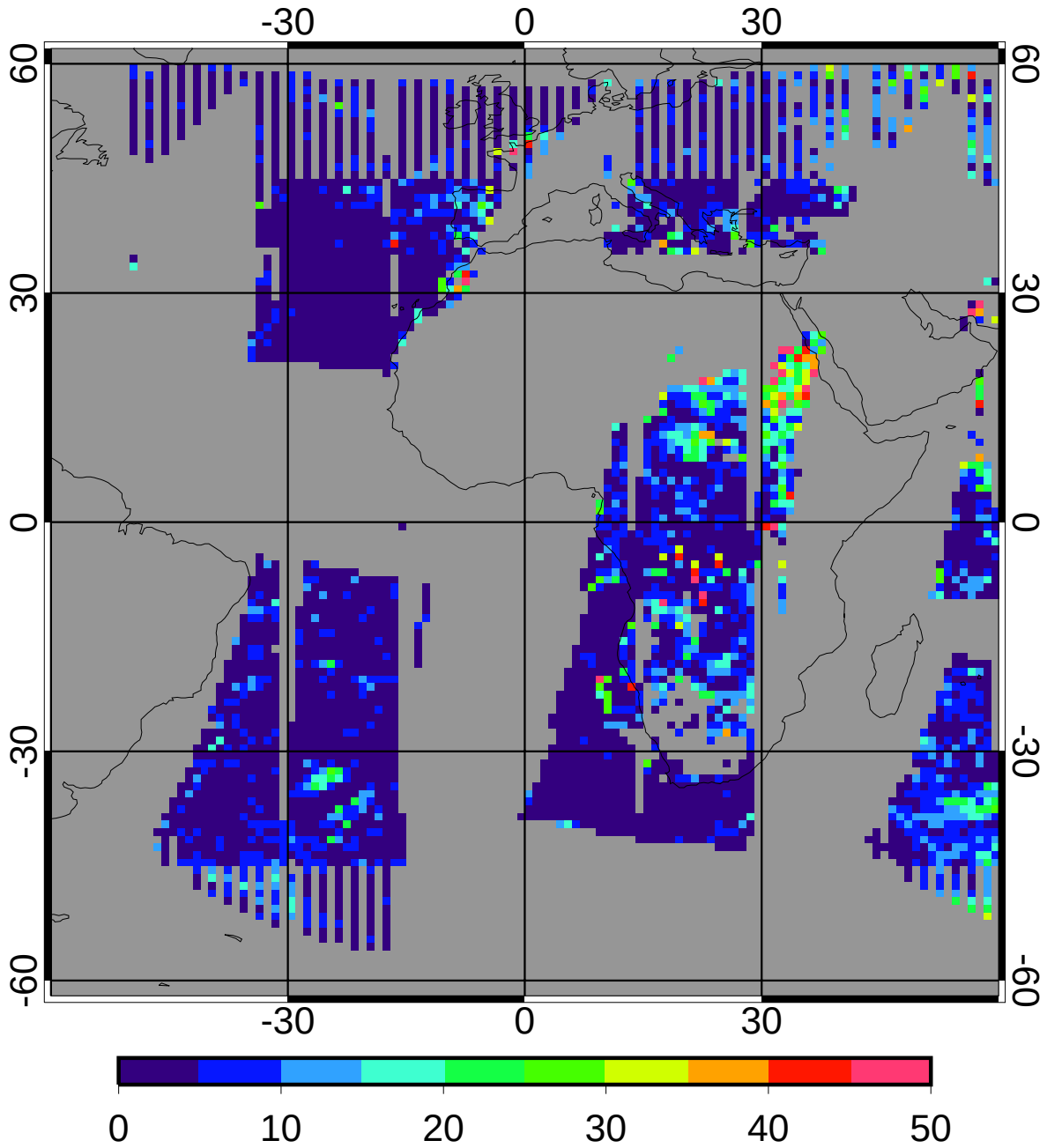
5ch_39cal Jul 2010



bias	-0.13	-0.05%
domain sigma	7.65	2.96%

GGEO - CERES/Terra Daytime Cloud Temperature (K) RMS

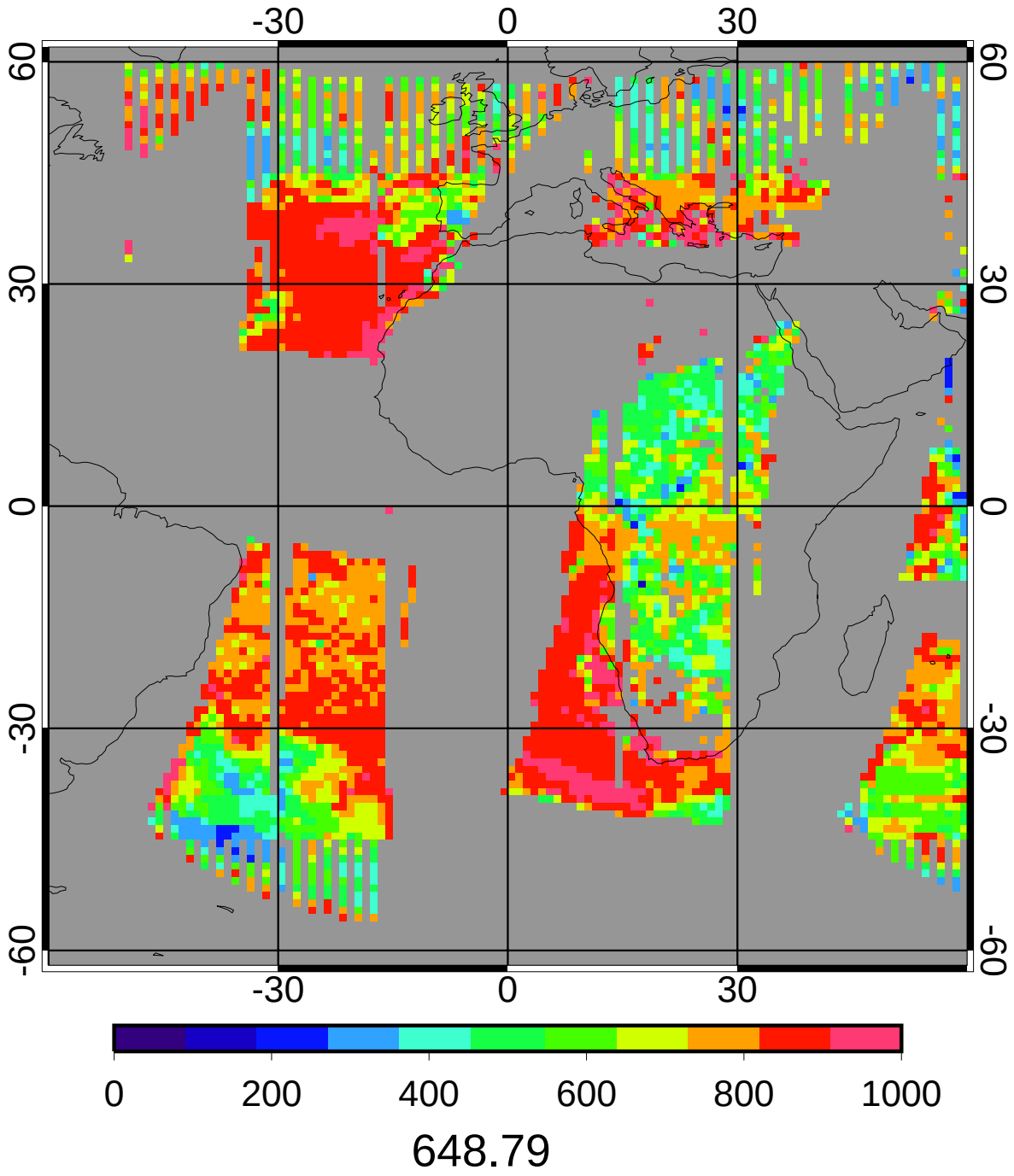
5ch_39cal Jul 2010



regave rms	4.92	1.90%
domain rms	8.18	3.16%

GGEO MEAN Daytime Cloud Eff Pressure (mb)

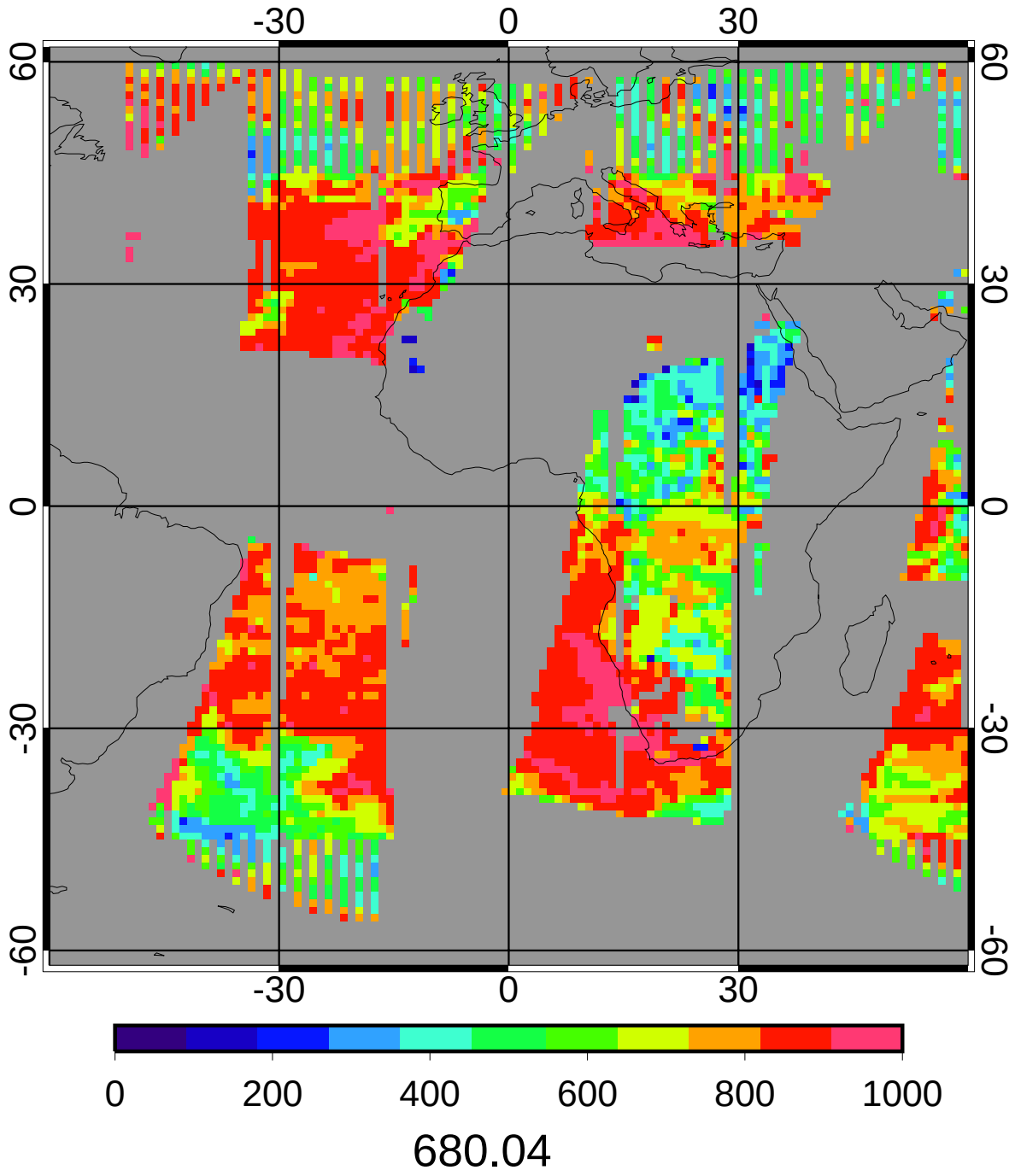
5ch_39cal Jul 2010



648.79

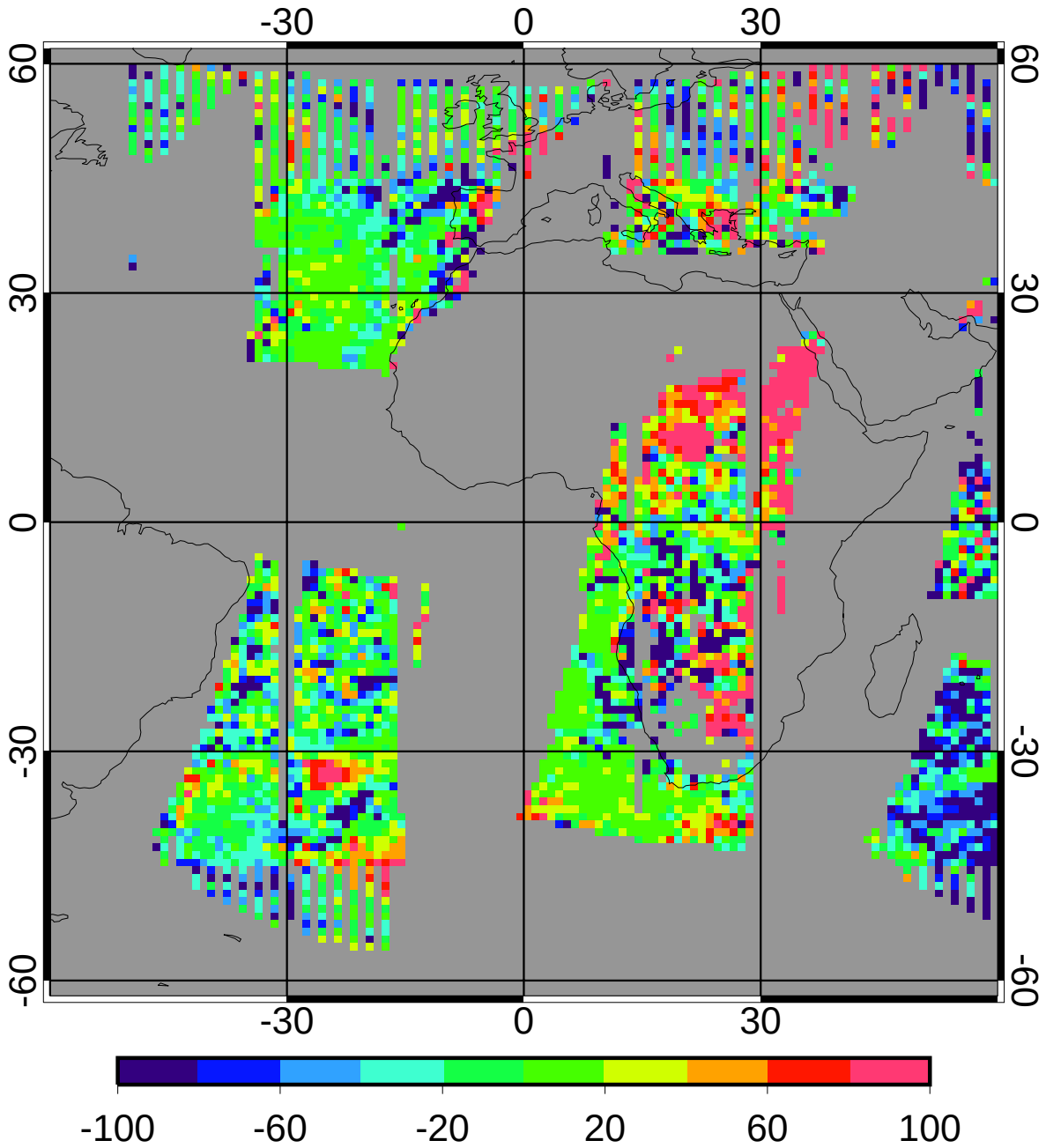
CERES/Terra MEAN Daytime Cloud Eff Pressure (mb)

5ch_39cal Jul 2010



GGEO - CERES/Terra Daytime Cloud Eff Pressure (mb) Bias

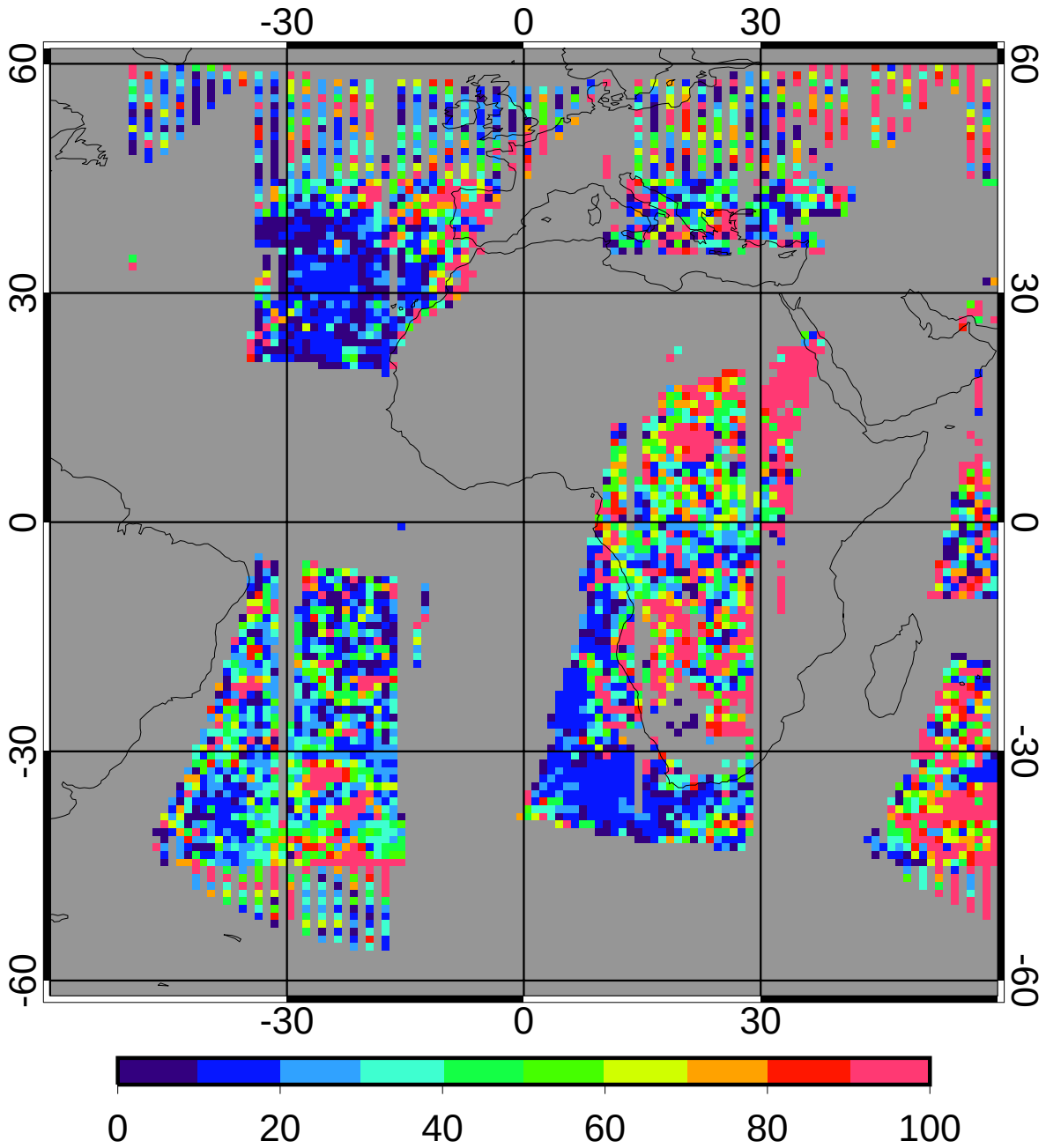
5ch_39cal Jul 2010



bias	-5.19	-0.76%
domain sigma	72.66	10.69%

GGEO - CERES/Terra Daytime Cloud Eff Pressure (mb) RMS

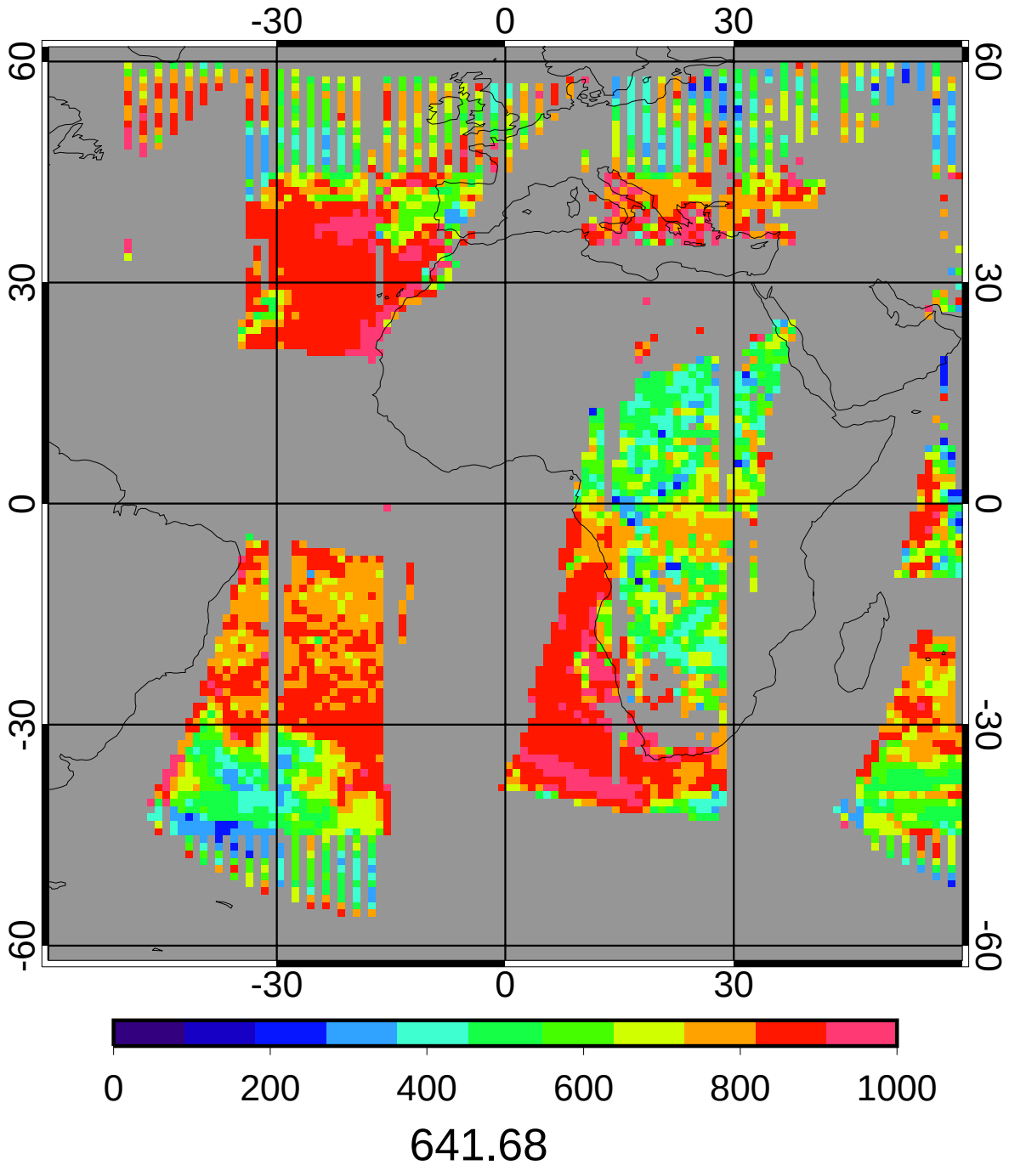
5ch_39cal Jul 2010



regave rms	52.30	7.69%
domain rms	79.68	11.72%

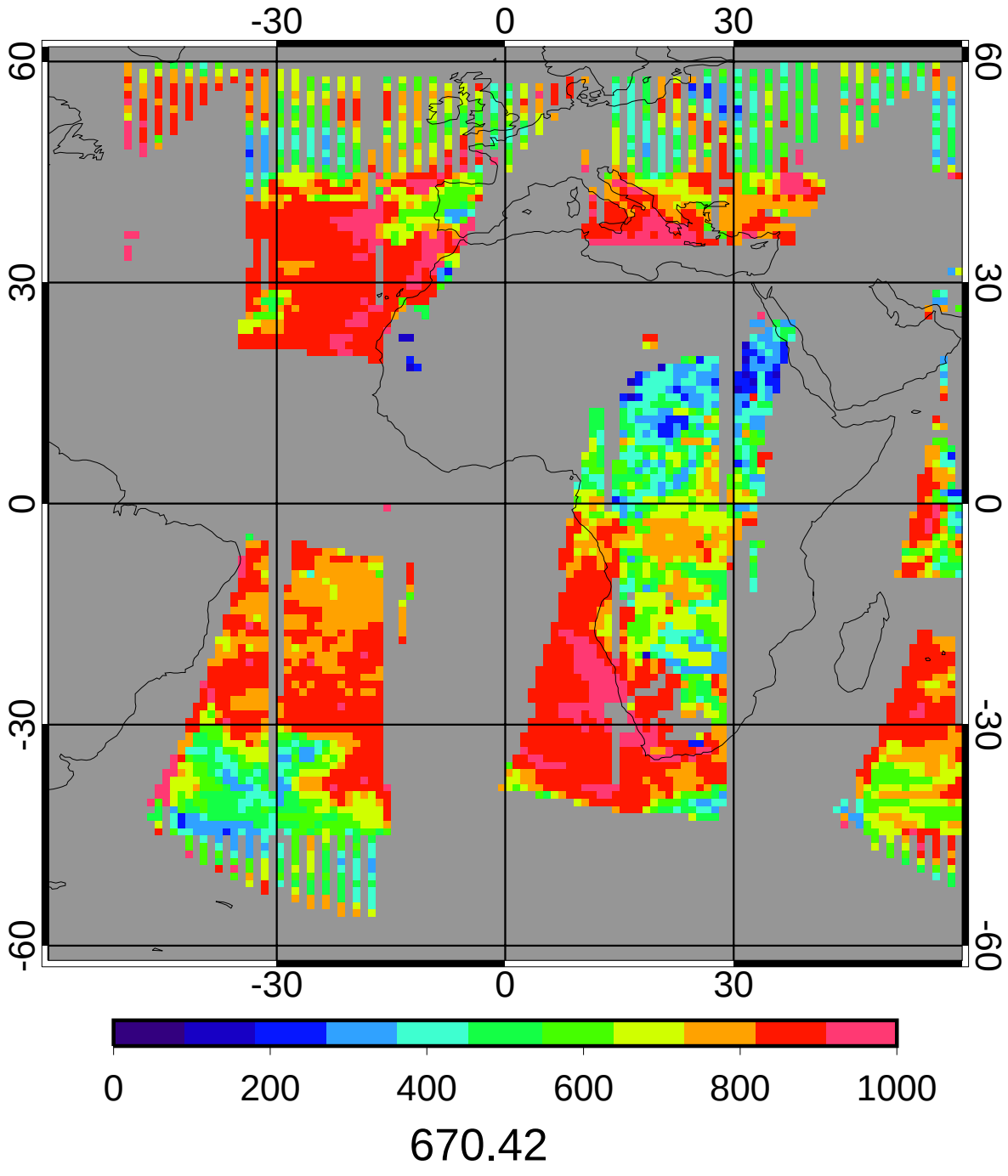
GGEO MEAN Daytime Cloud Top Pressure (mb)

5ch_39cal Jul 2010



CERES/Terra MEAN Daytime Cloud Top Pressure (mb)

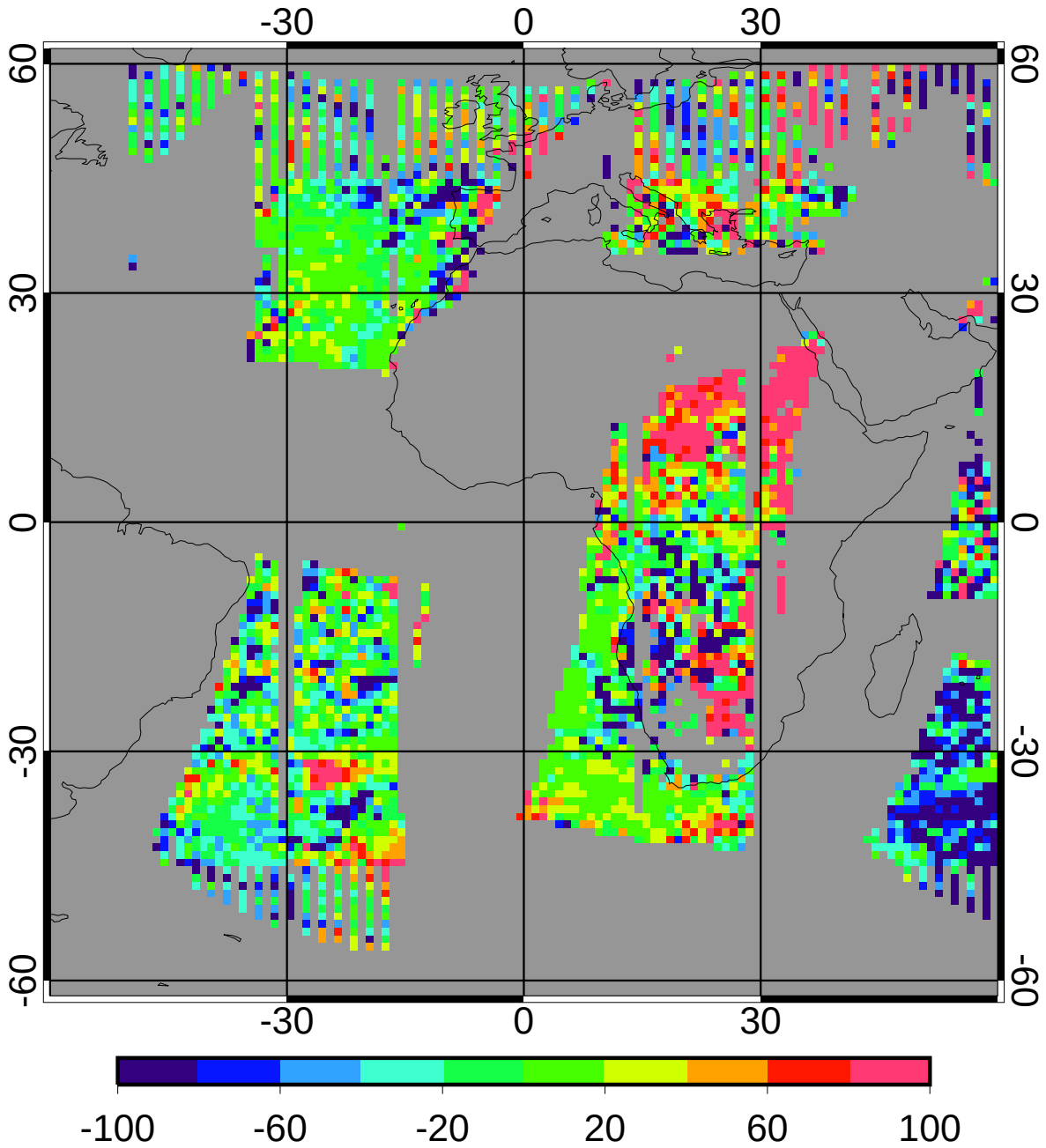
5ch_39cal Jul 2010



670.42

GGEO - CERES/Terra Daytime Cloud Top Pressure (mb) Bias

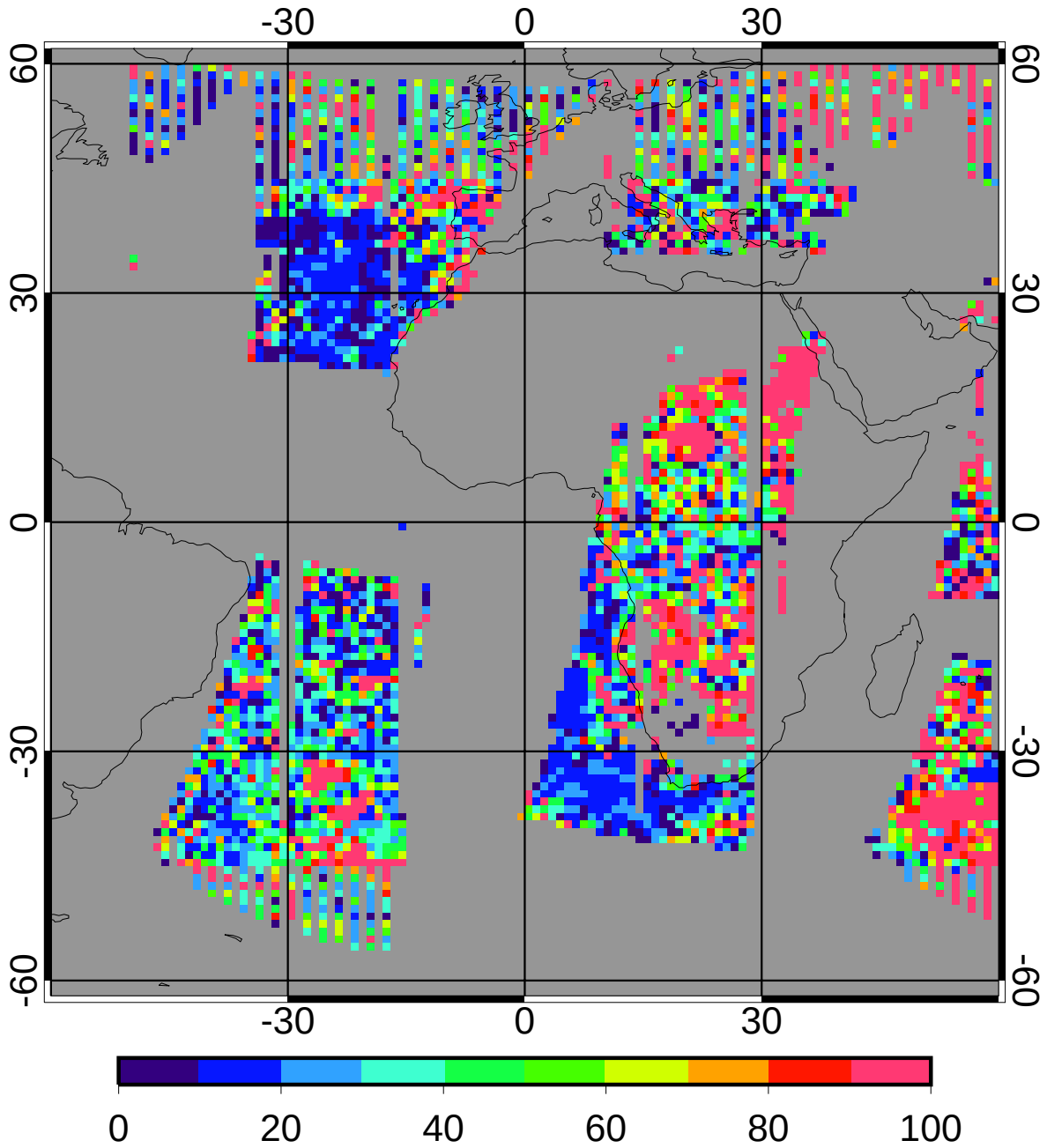
5ch_39cal Jul 2010



bias	-2.97	-0.44%
domain sigma	75.73	11.30%

GGEO - CERES/Terra Daytime Cloud Top Pressure (mb) RMS

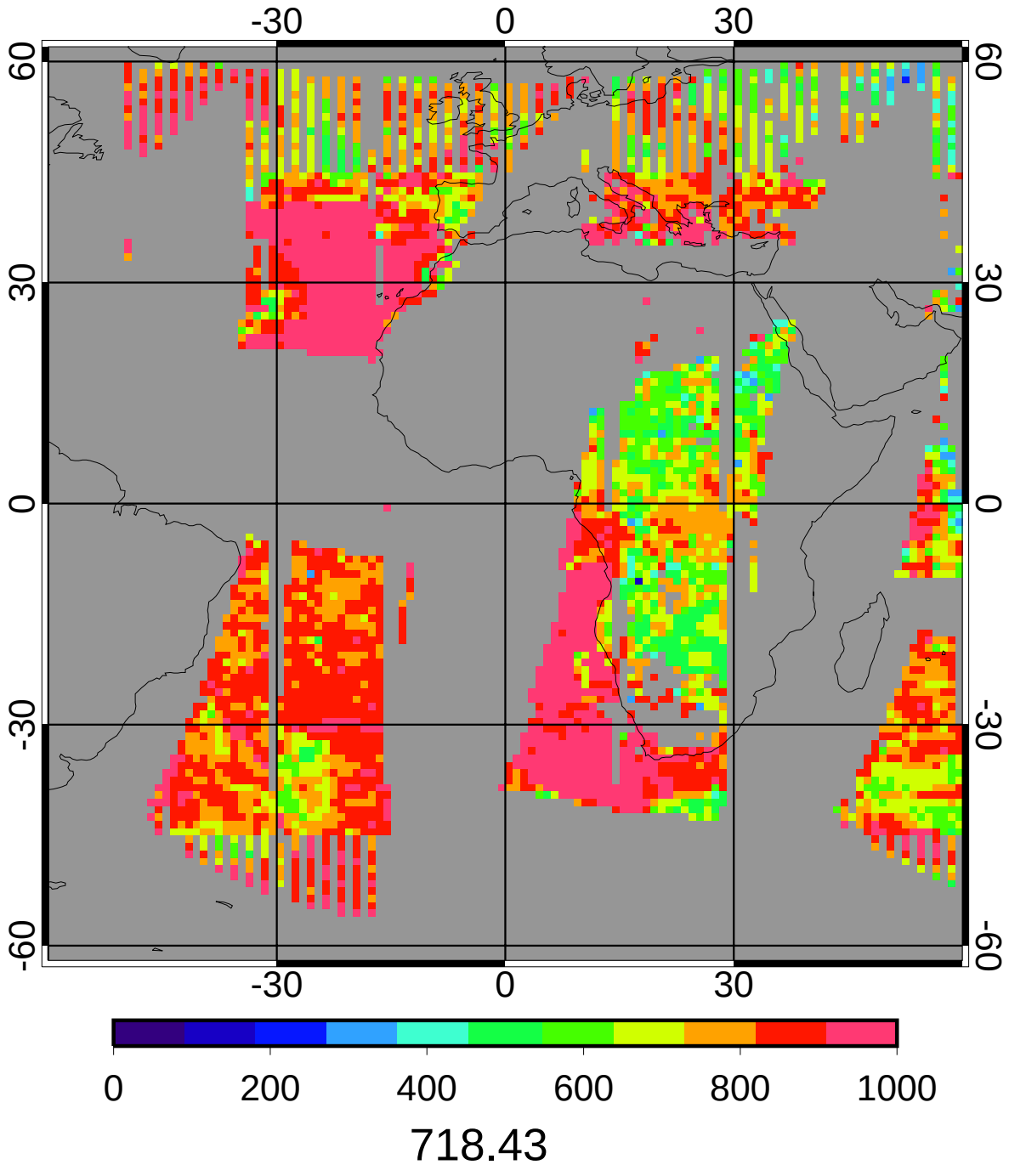
5ch_39cal Jul 2010



regave rms	54.94	8.20%
domain rms	83.20	12.41%

GGEO MEAN Daytime Cloud Base Pressure (mb)

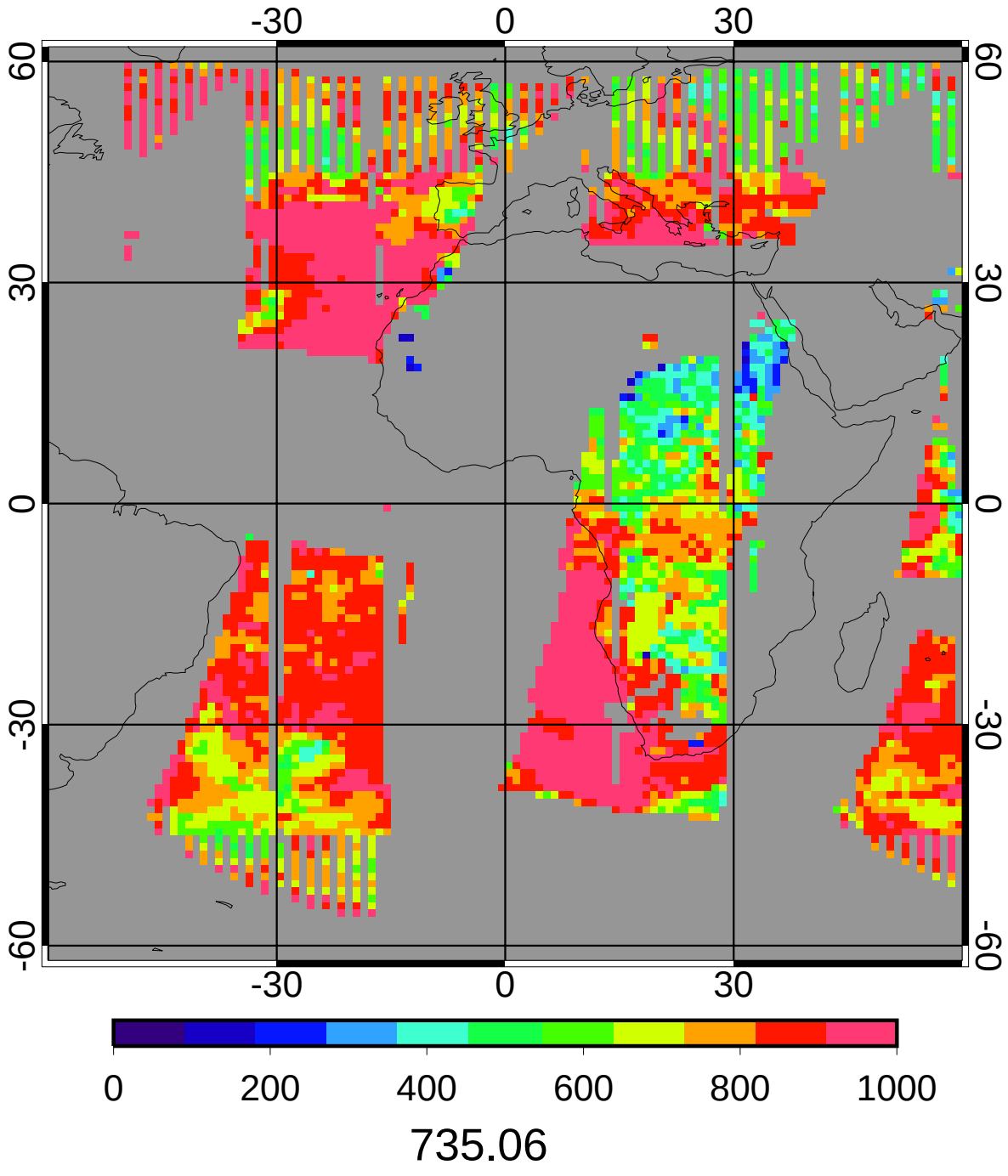
5ch_39cal Jul 2010



718.43

CERES/Terra MEAN Daytime Cloud Base Pressure (mb)

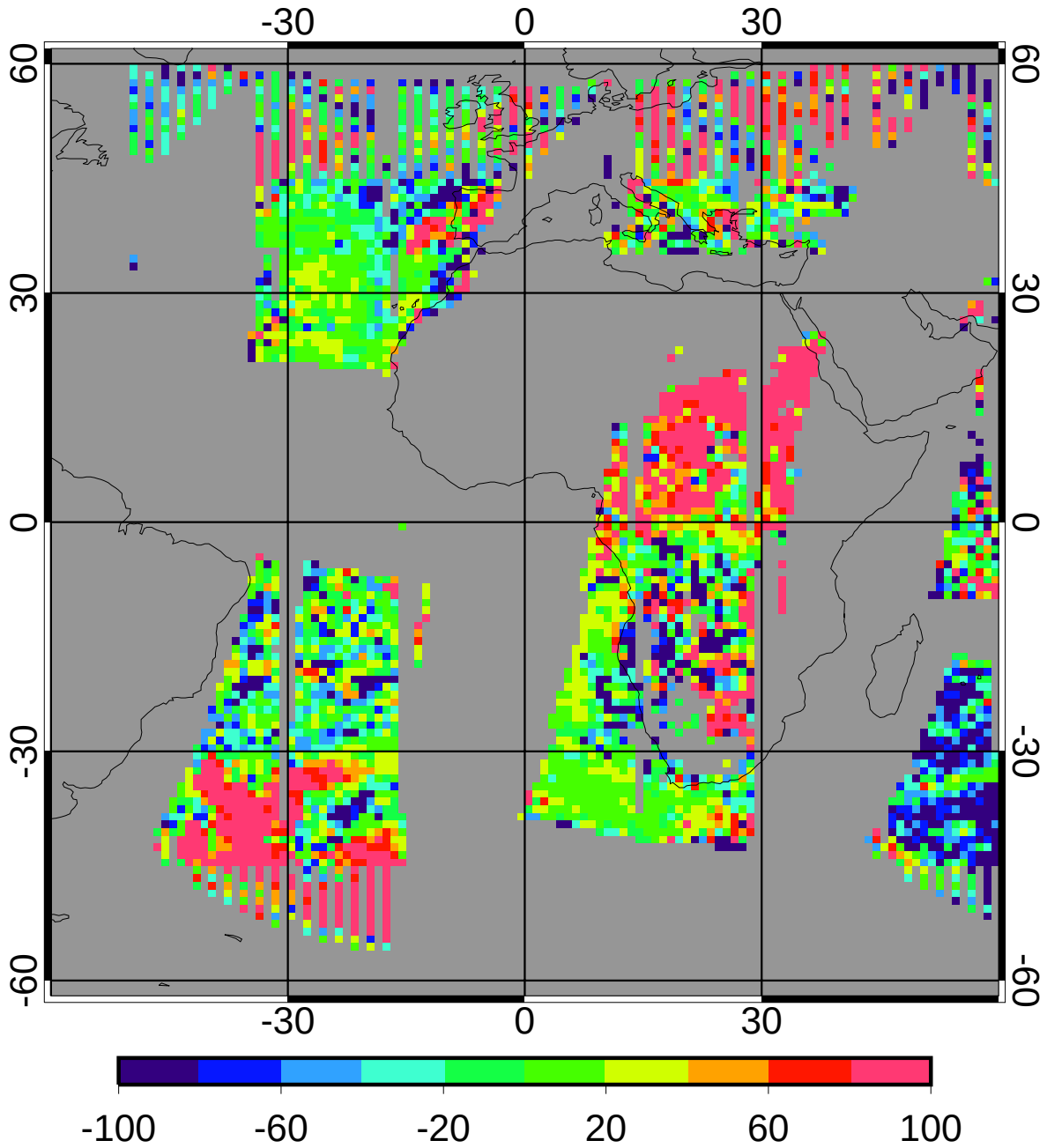
5ch_39cal Jul 2010



735.06

GGEO - CERES/Terra Daytime Cloud Base Pressure (mb) Bias

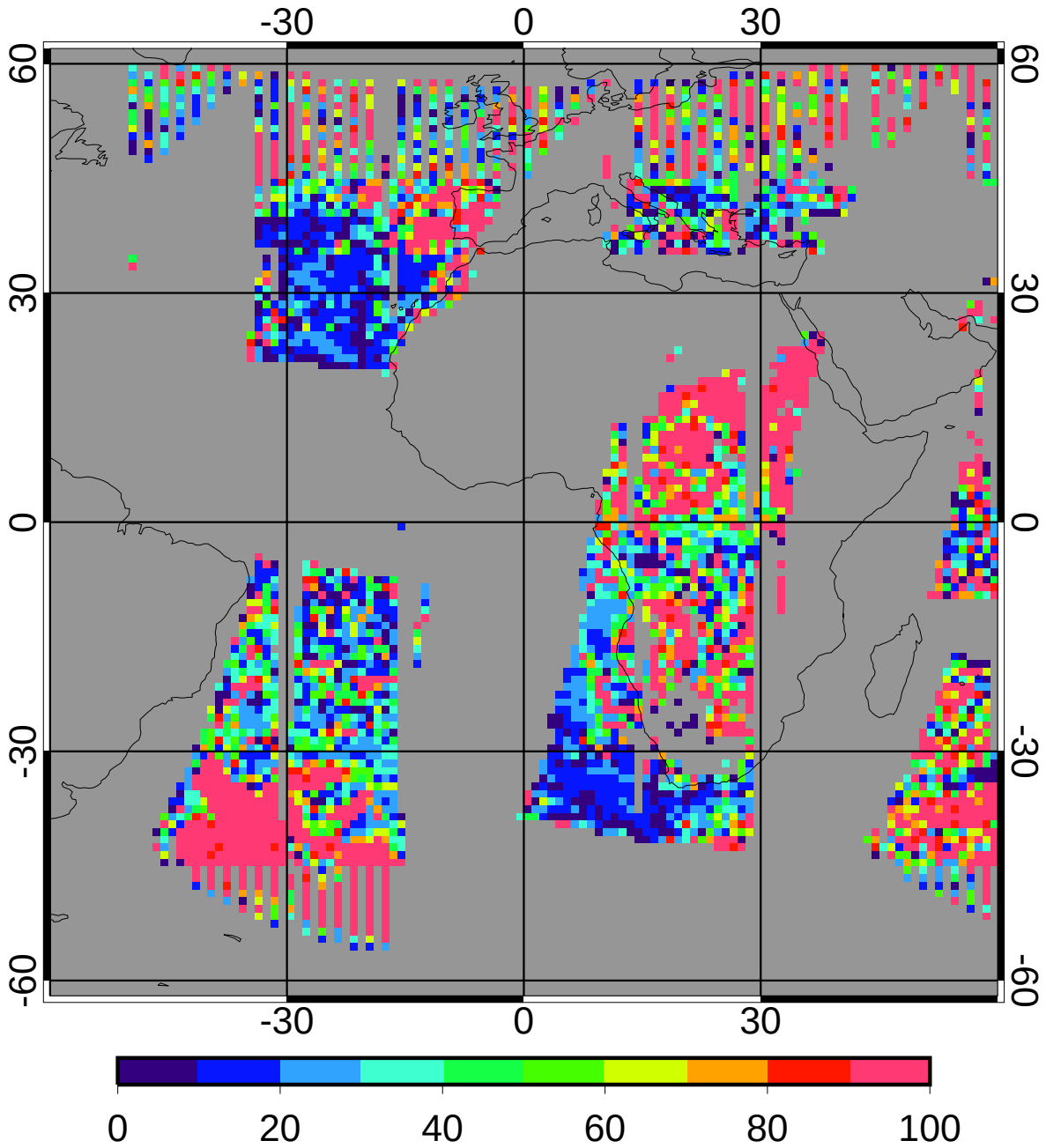
5ch_39cal Jul 2010



bias	9.80	1.33%
domain sigma	80.98	11.02%

GGEO - CERES/Terra Daytime Cloud Base Pressure (mb) RMS

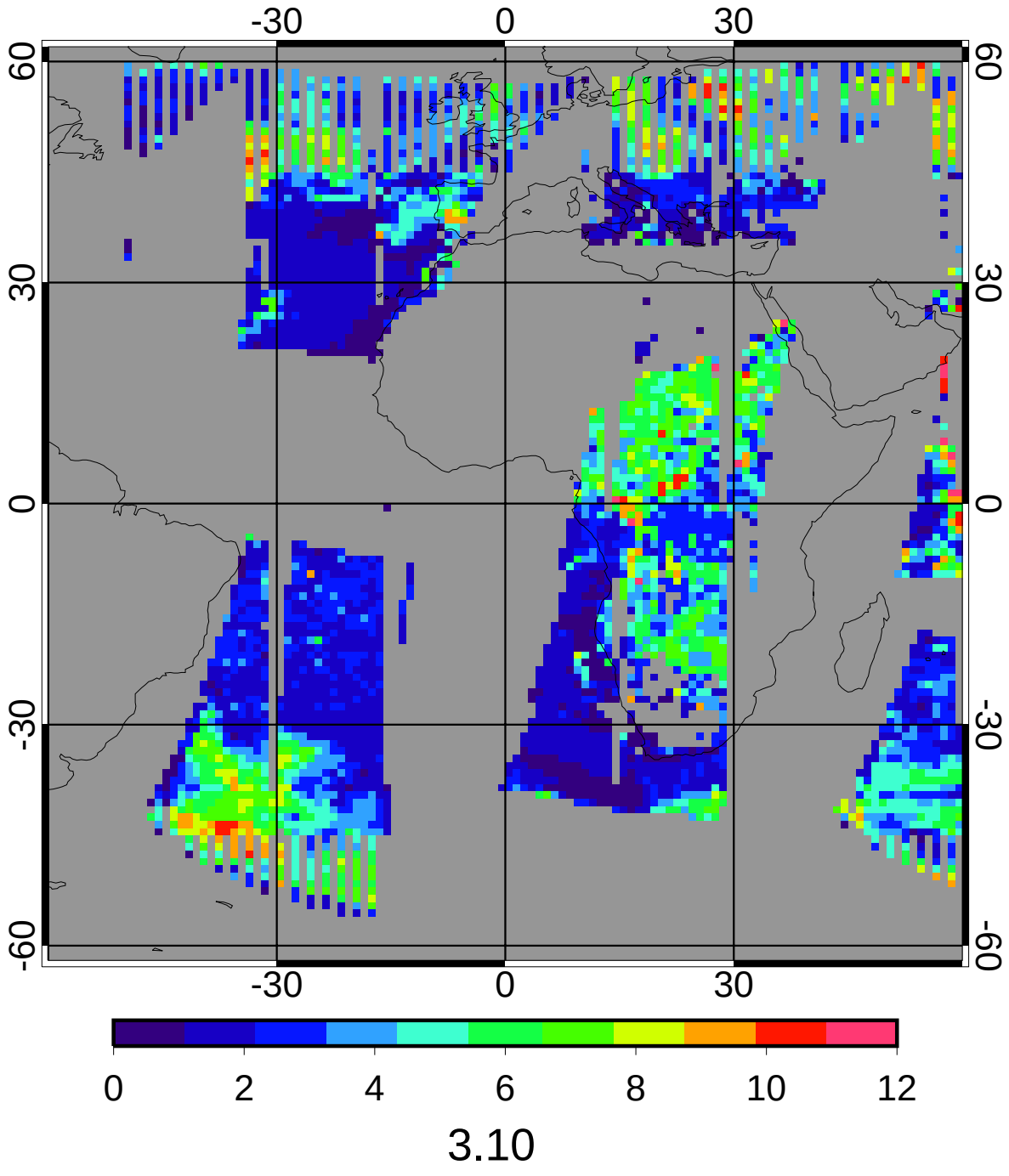
5ch_39cal Jul 2010



regave rms	64.52	8.78%
domain rms	94.68	12.88%

GGEO MEAN Daytime Cloud Eff Height (km)

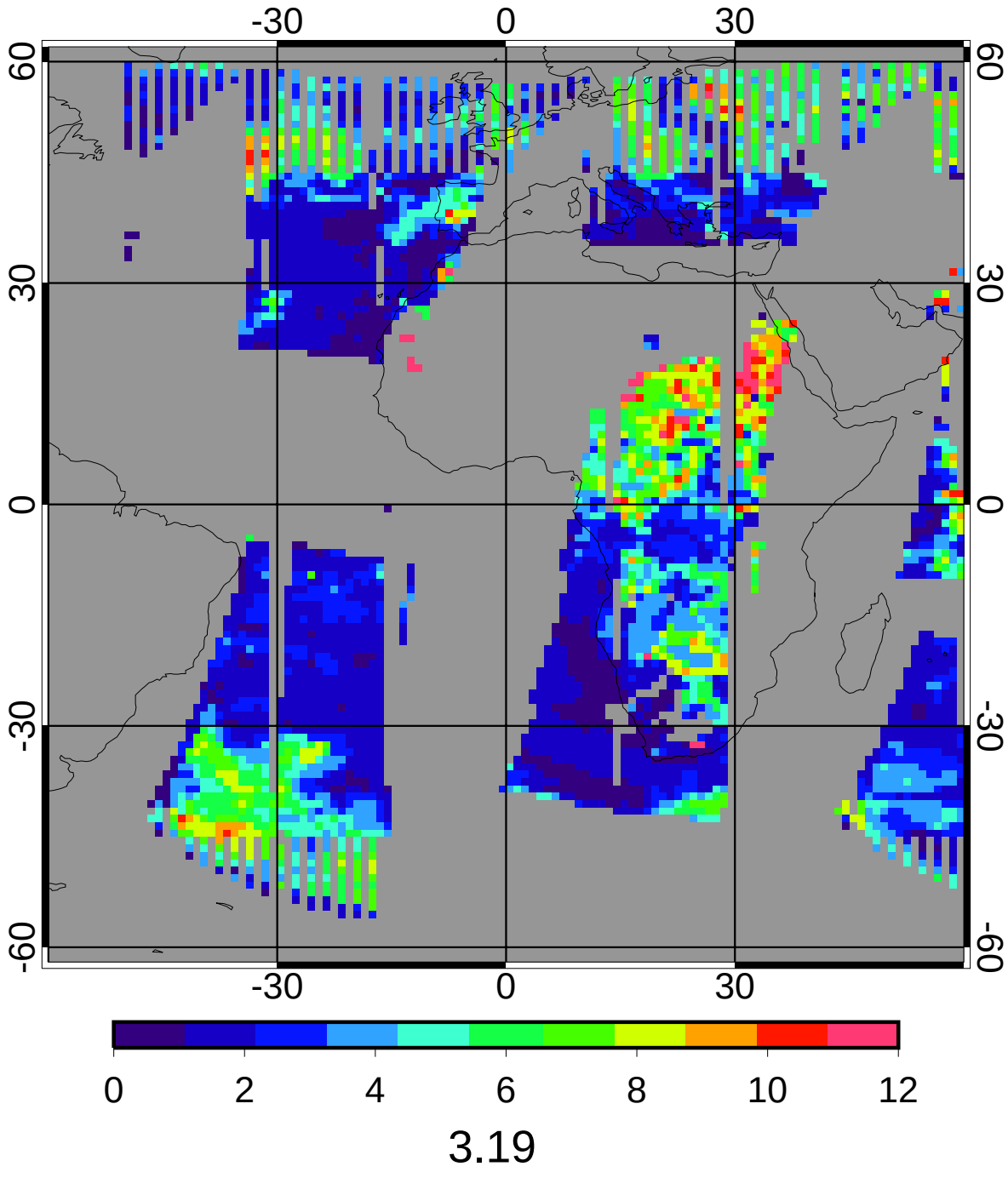
5ch_39cal Jul 2010



3.10

CERES/Terra MEAN Daytime Cloud Eff Height (km)

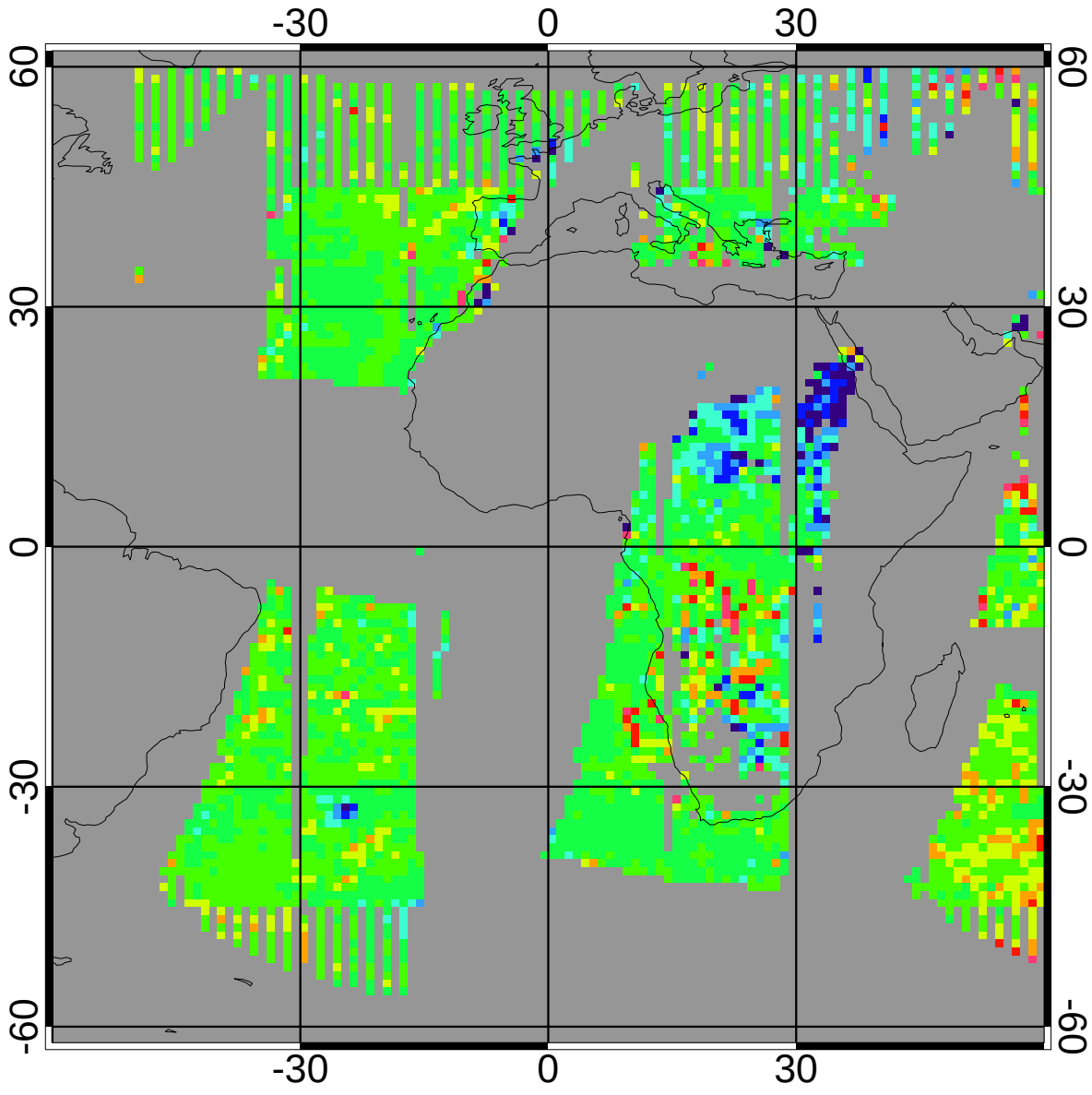
5ch_39cal Jul 2010



3.19

GGEO - CERES/Terra Daytime Cloud Eff Height (km) Bias

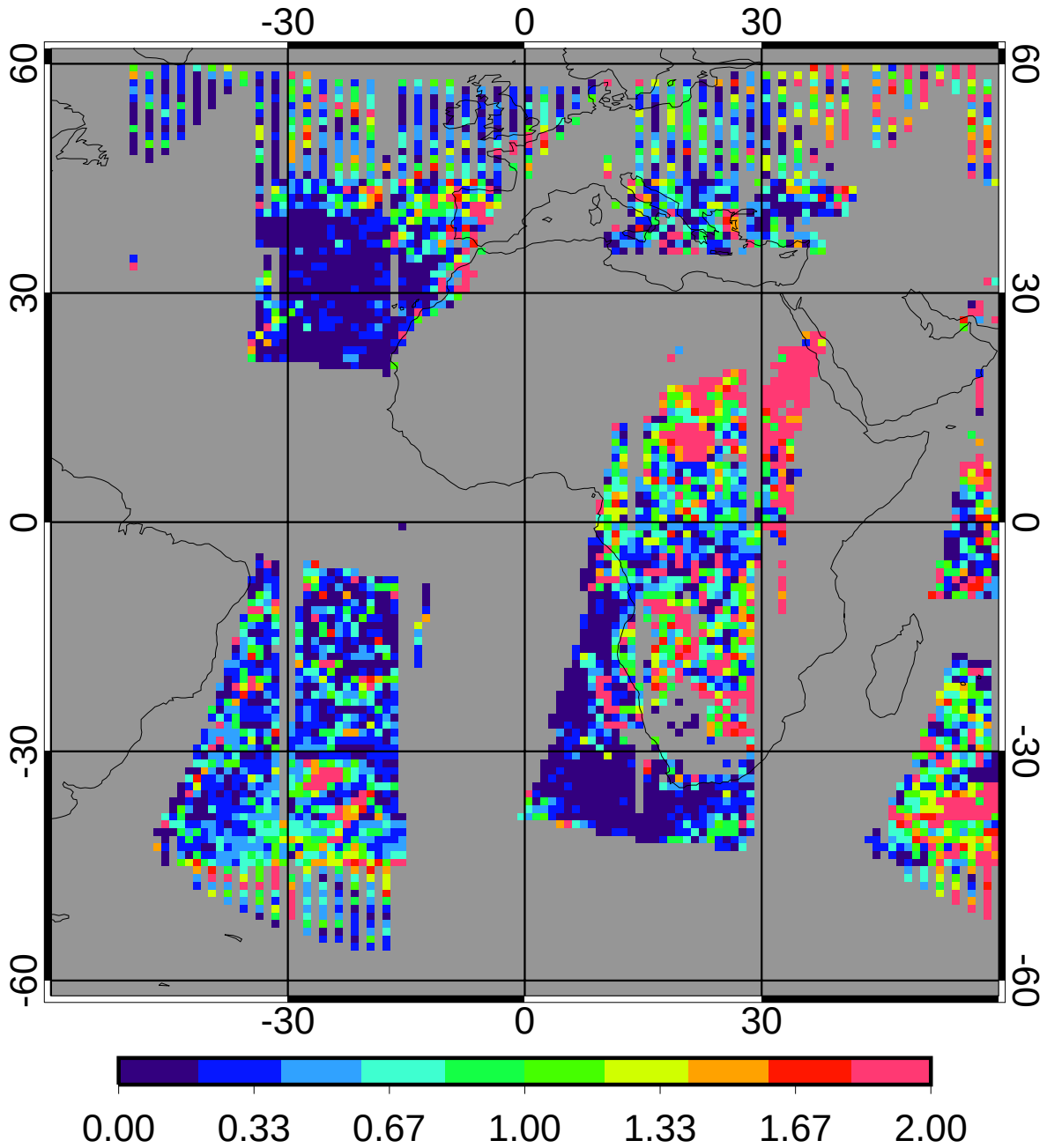
5ch_39cal Jul 2010



bias	0.04	1.13%
domain sigma	1.18	36.90%

GGEO - CERES/Terra Daytime Cloud Eff Height (km) RMS

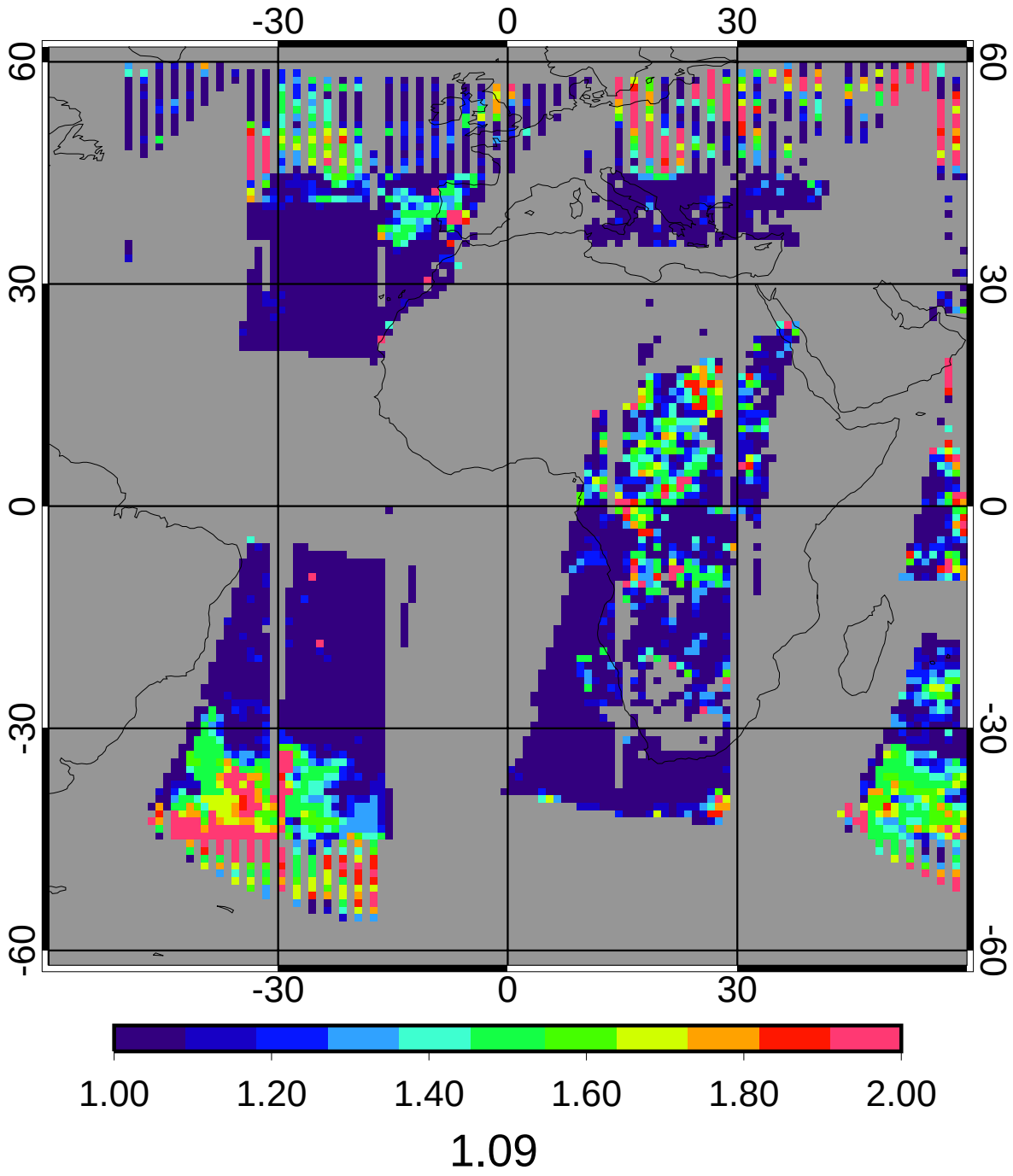
5ch_39cal Jul 2010



regave rms	0.79	24.69%
domain rms	1.28	40.05%

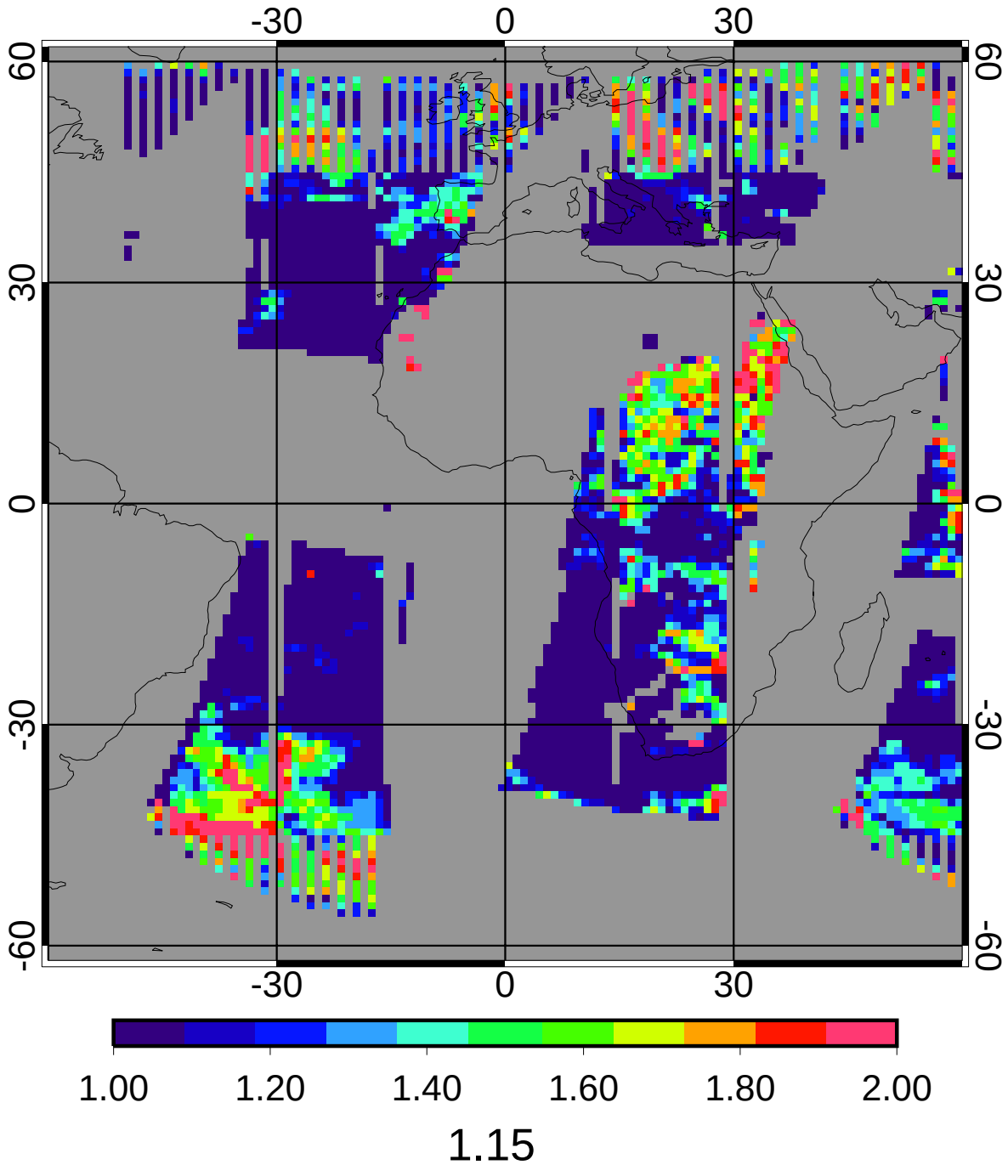
GGEO MEAN Daytime Cloud Phase

5ch_39cal Jul 2010



CERES/Terra MEAN Daytime Cloud Phase

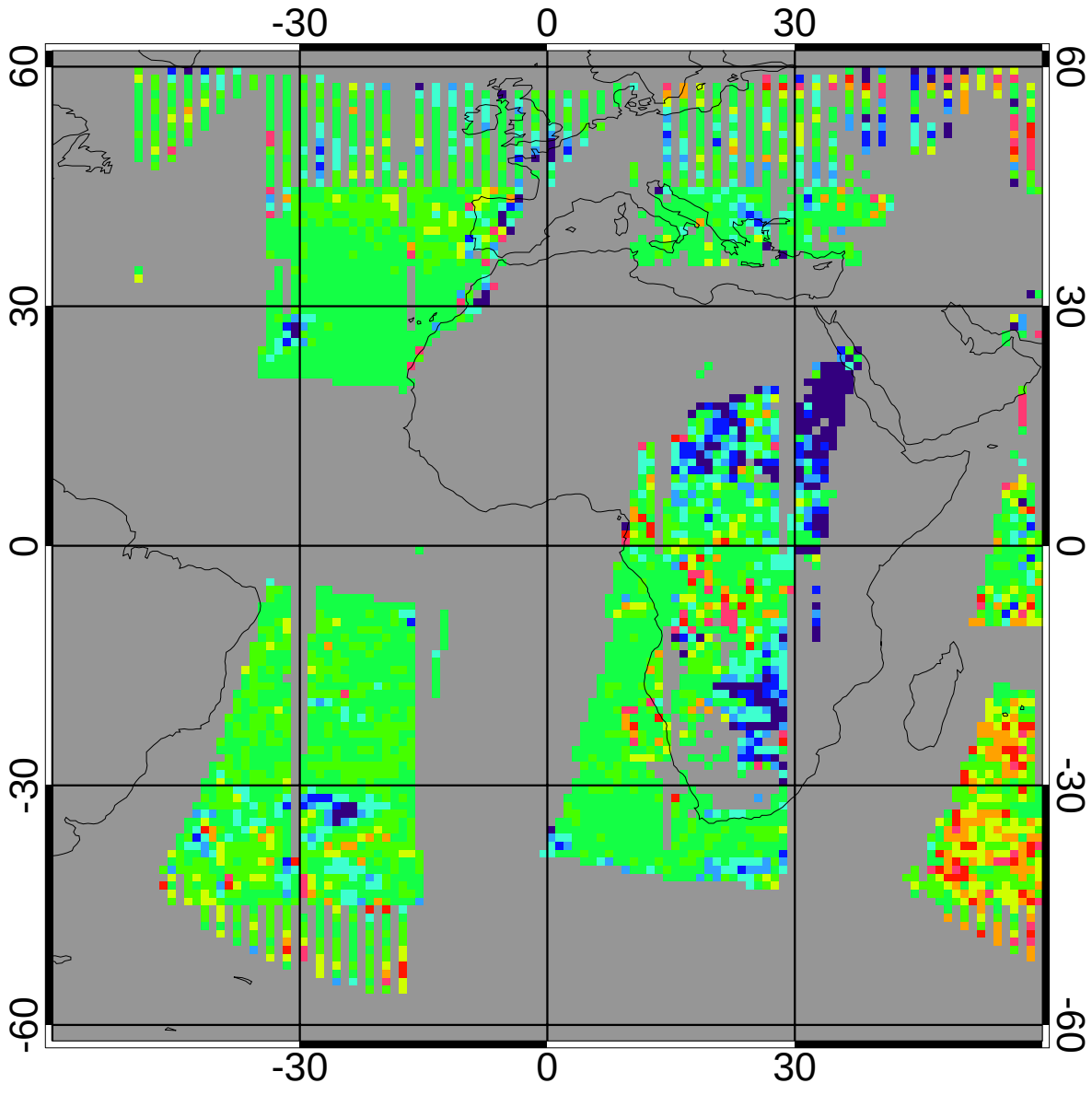
5ch_39cal Jul 2010



1.15

GGEO - CERES/Terra Daytime Cloud Phase Bias

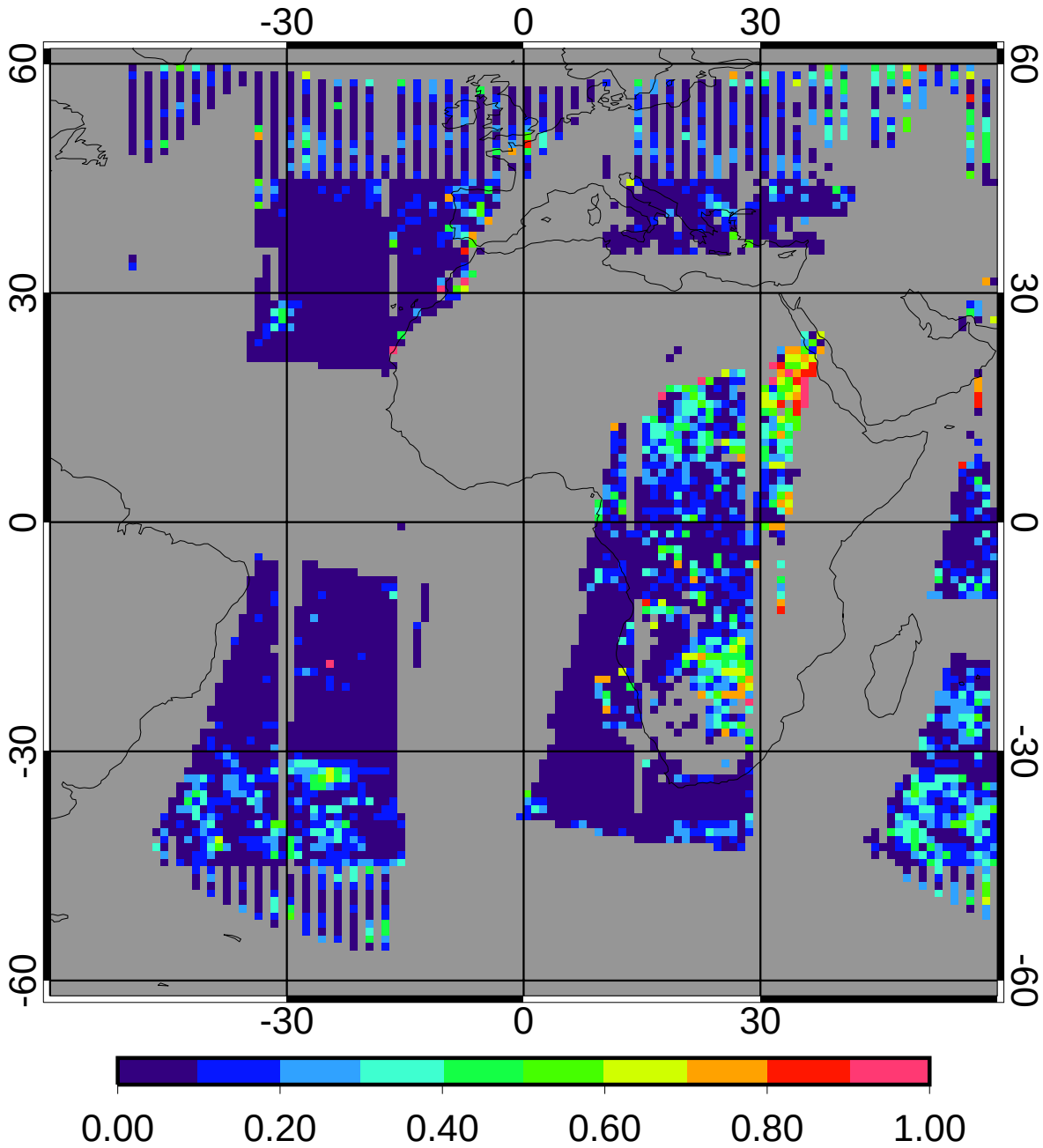
5ch_39cal Jul 2010



bias	-0.02	-1.67%
domain sigma	0.17	14.43%

GGEO - CERES/Terra Daytime Cloud Phase RMS

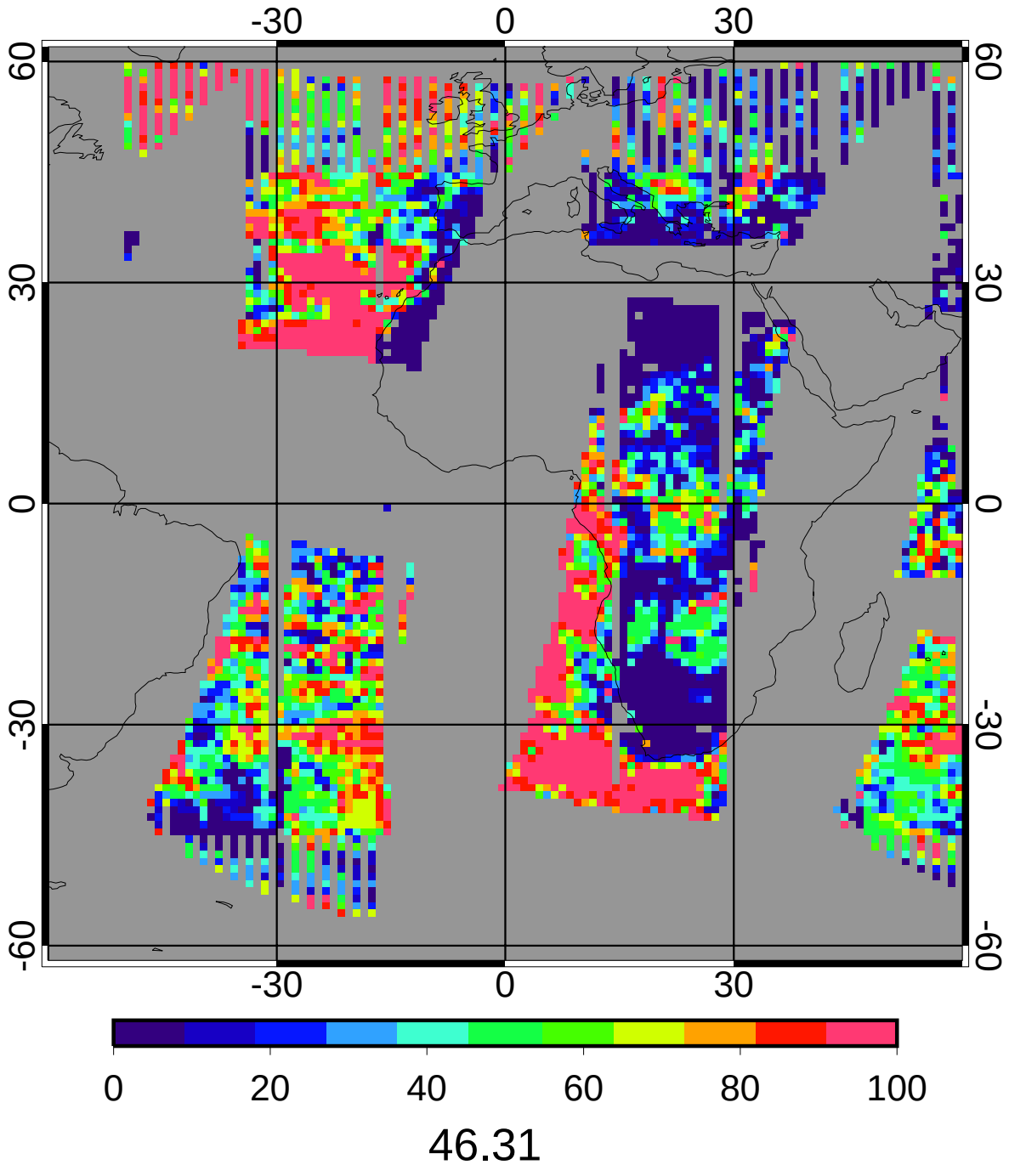
5ch_39cal Jul 2010



regave rms	0.11	9.28%
domain rms	0.18	15.82%

GGEO MEAN Daytime Liquid Cld Amt (%)

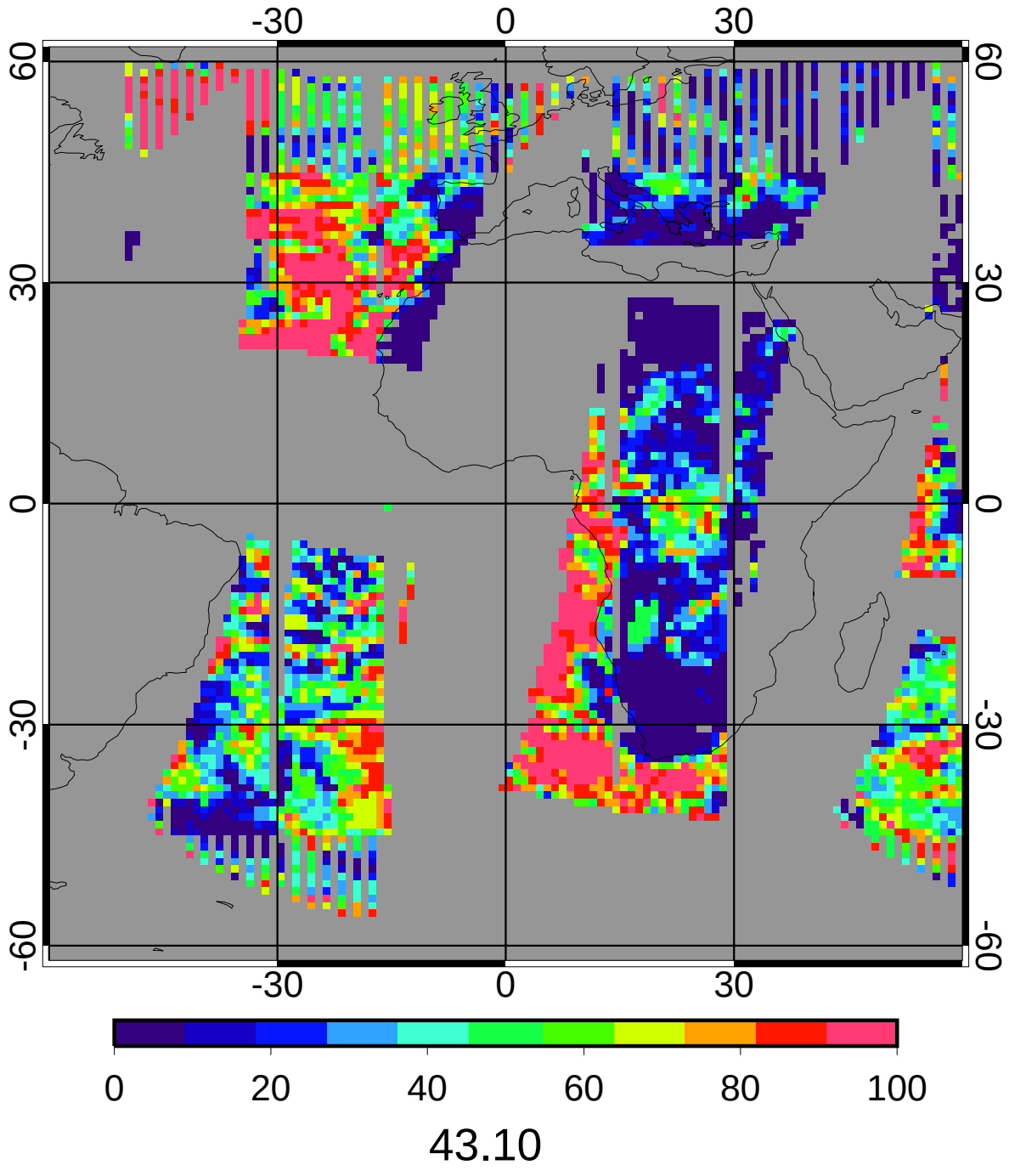
5ch_39cal Jul 2010



46.31

CERES/Terra MEAN Daytime Liquid Cld Amt (%)

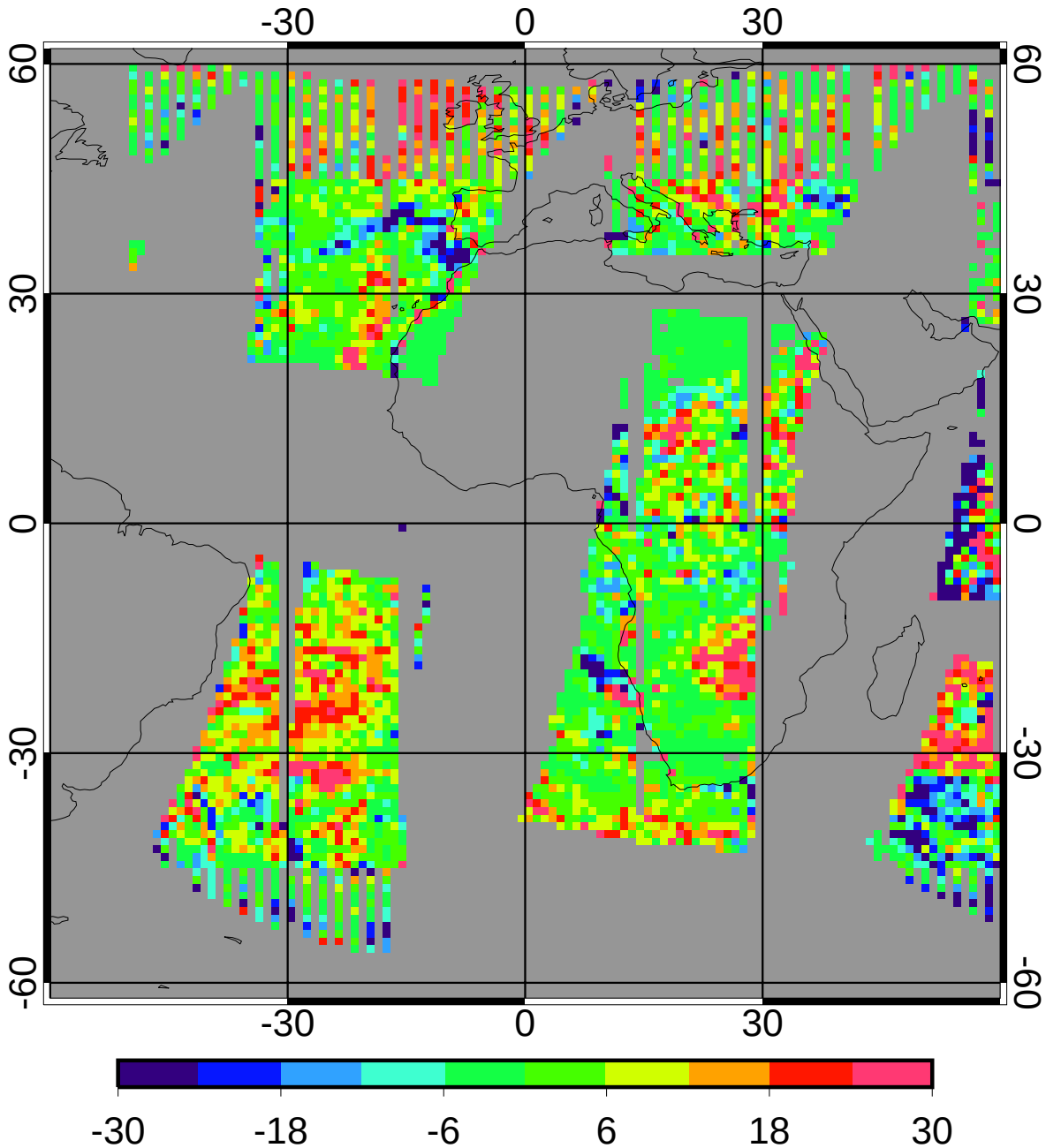
5ch_39cal Jul 2010



43.10

GGEO - CERES/Terra Daytime Liquid Cld Amt (%) Bias

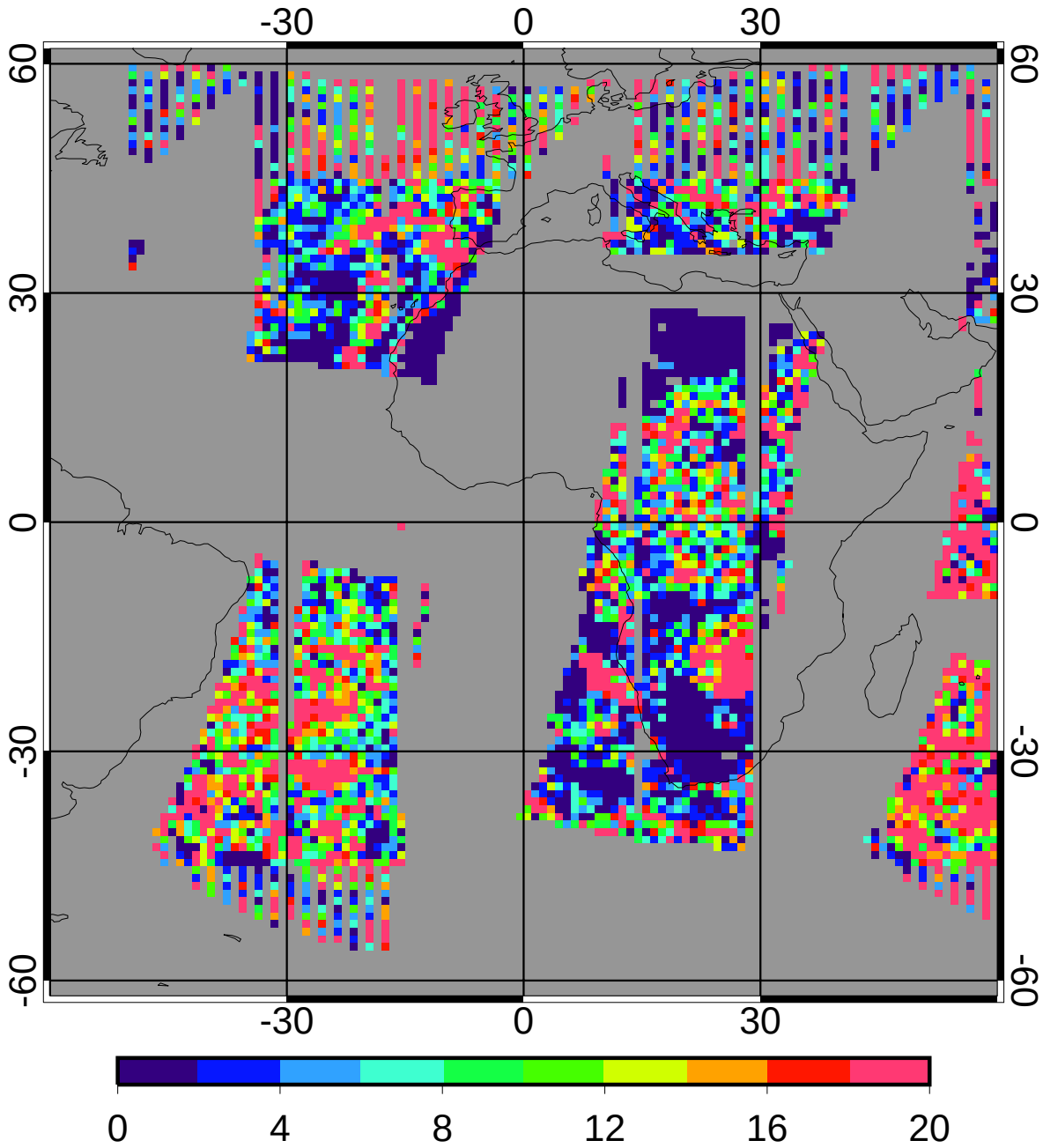
5ch_39cal Jul 2010



bias	3.20	7.43%
domain sigma	13.24	30.71%

GGEO - CERES/Terra Daytime Liquid Cld Amt (%) RMS

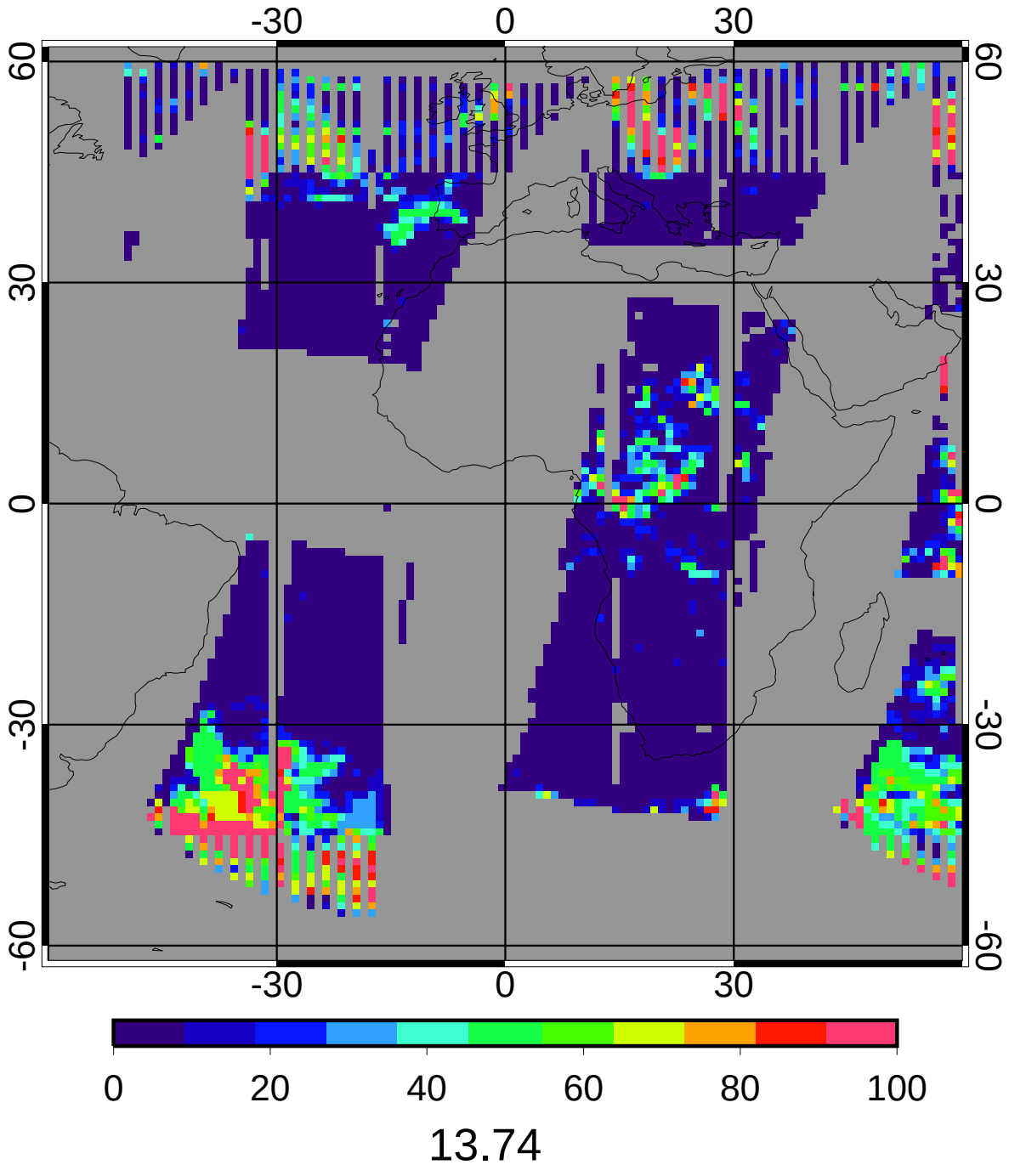
5ch_39cal Jul 2010



regave rms	11.76	27.27%
domain rms	16.00	37.12%

GGEO MEAN Daytime Ice Cld Amt (%)

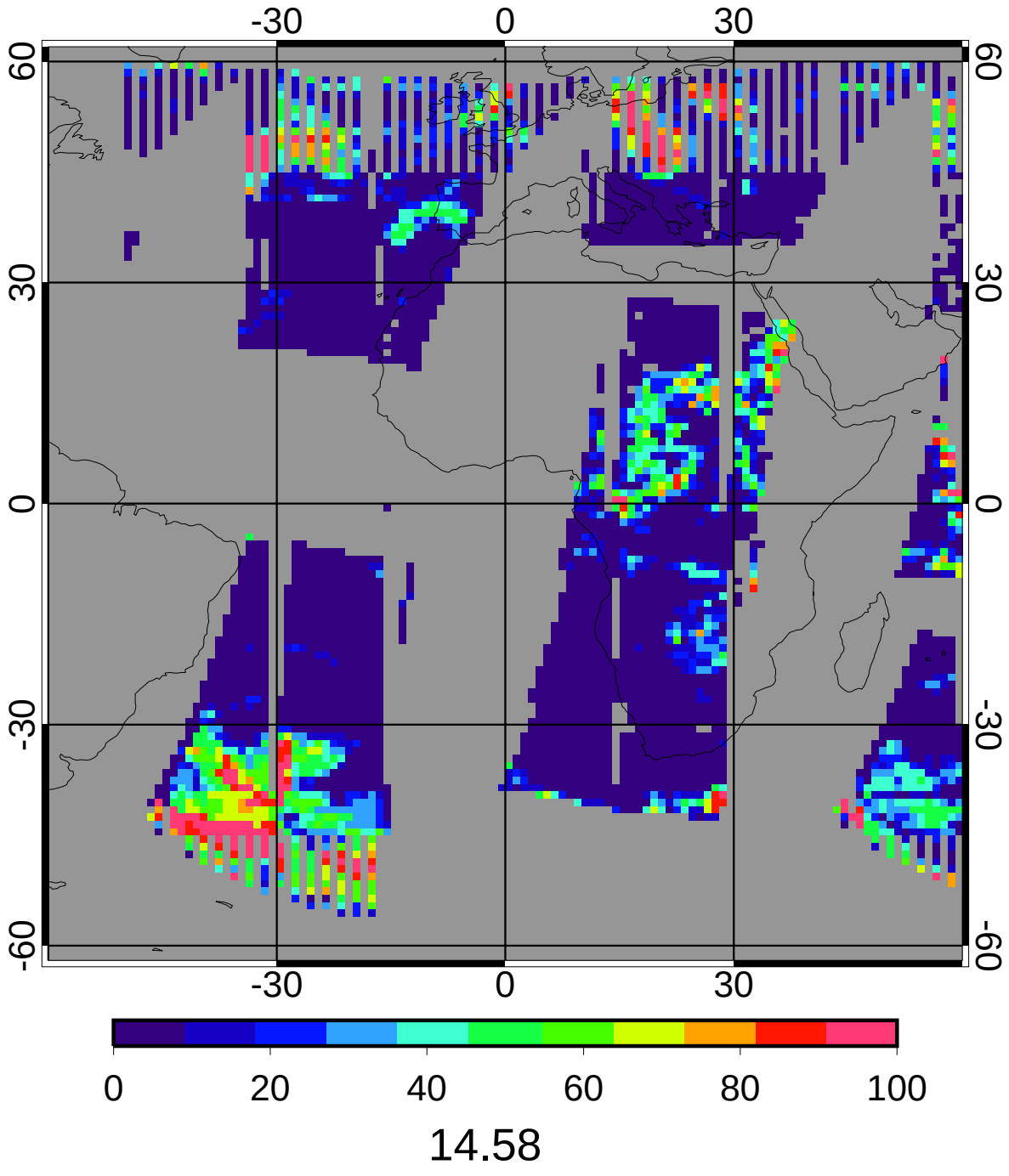
5ch_39cal Jul 2010



13.74

CERES/Terra MEAN Daytime Ice Cld Amt (%)

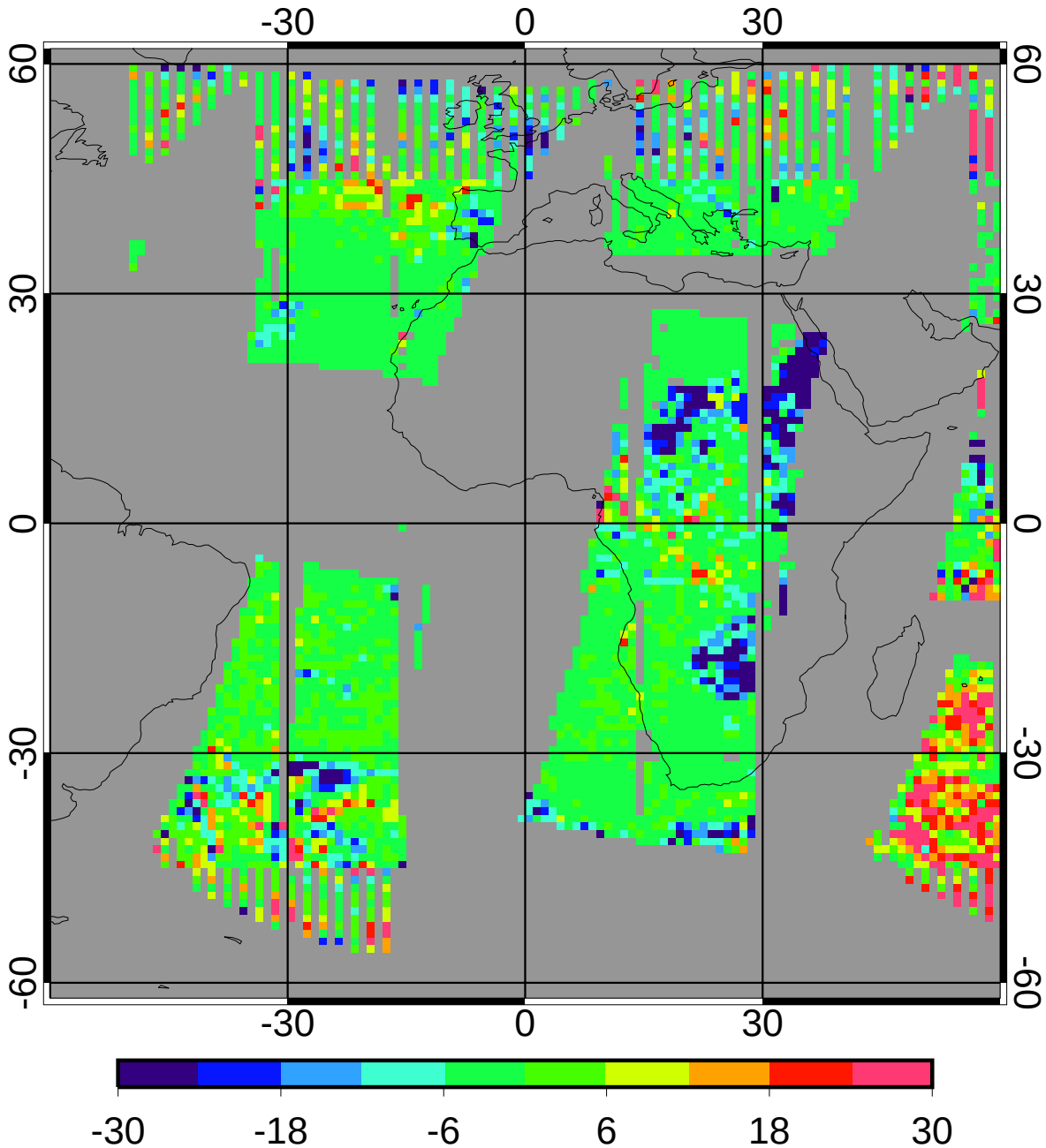
5ch_39cal Jul 2010



14.58

GGEO - CERES/Terra Daytime Ice Cld Amt (%) Bias

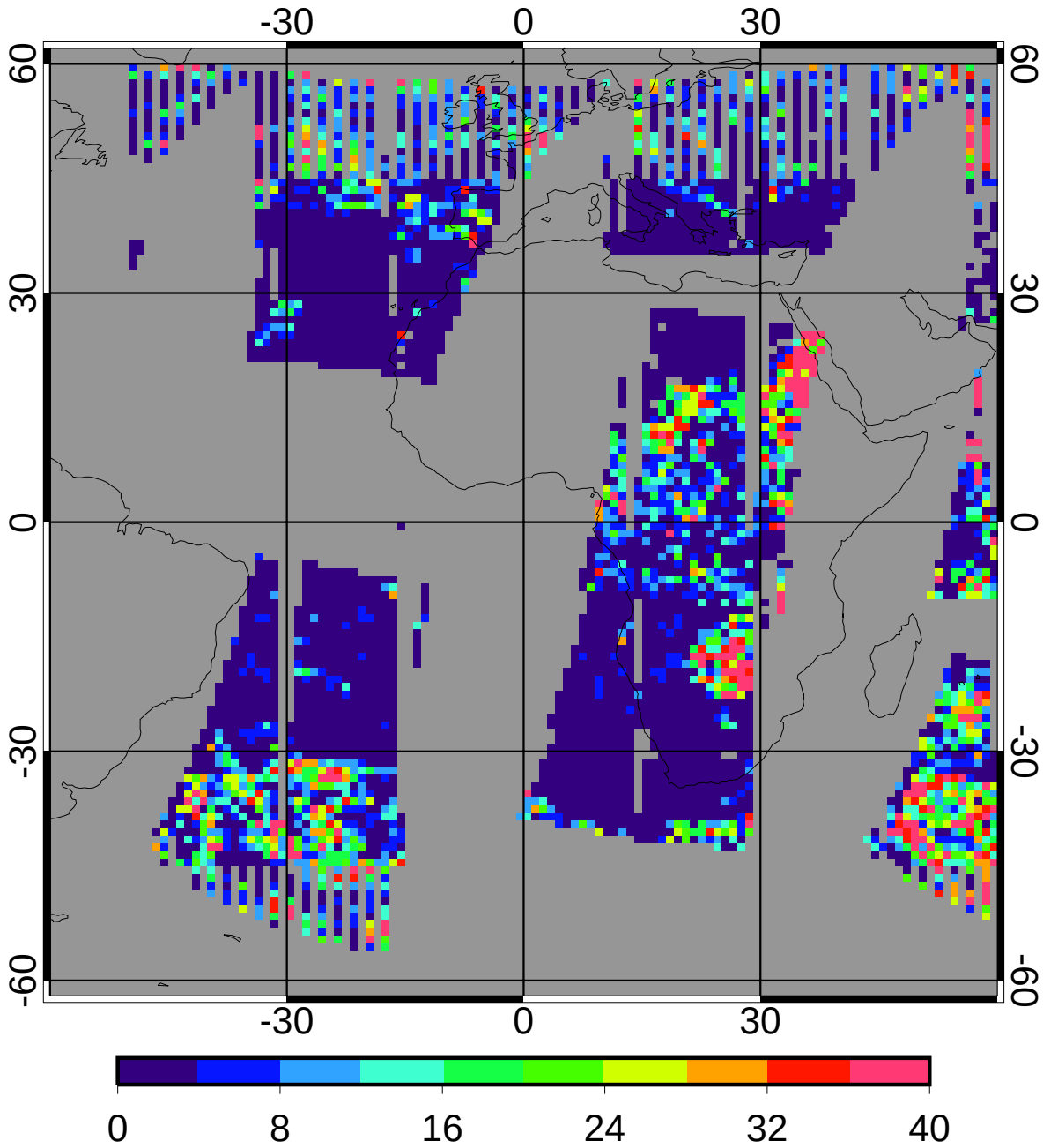
5ch_39cal Jul 2010



bias	-0.84	-5.78%
domain sigma	10.64	72.99%

GGEO - CERES/Terra Daytime Ice Cld Amt (%) RMS

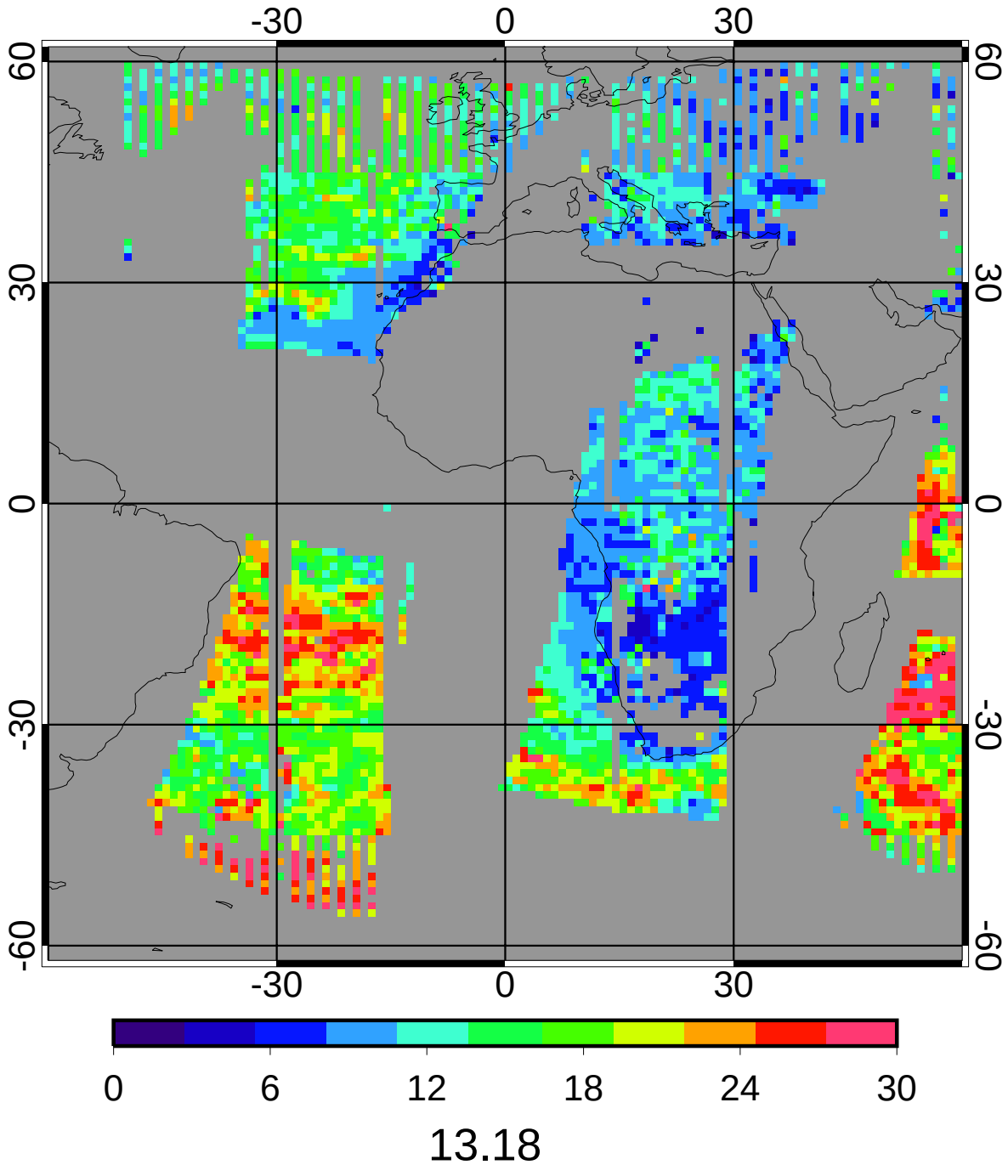
5ch_39cal Jul 2010



regave rms	7.29	49.95%
domain rms	13.14	90.11%

GGEO MEAN Daytime Liquid Particle Size (microns)

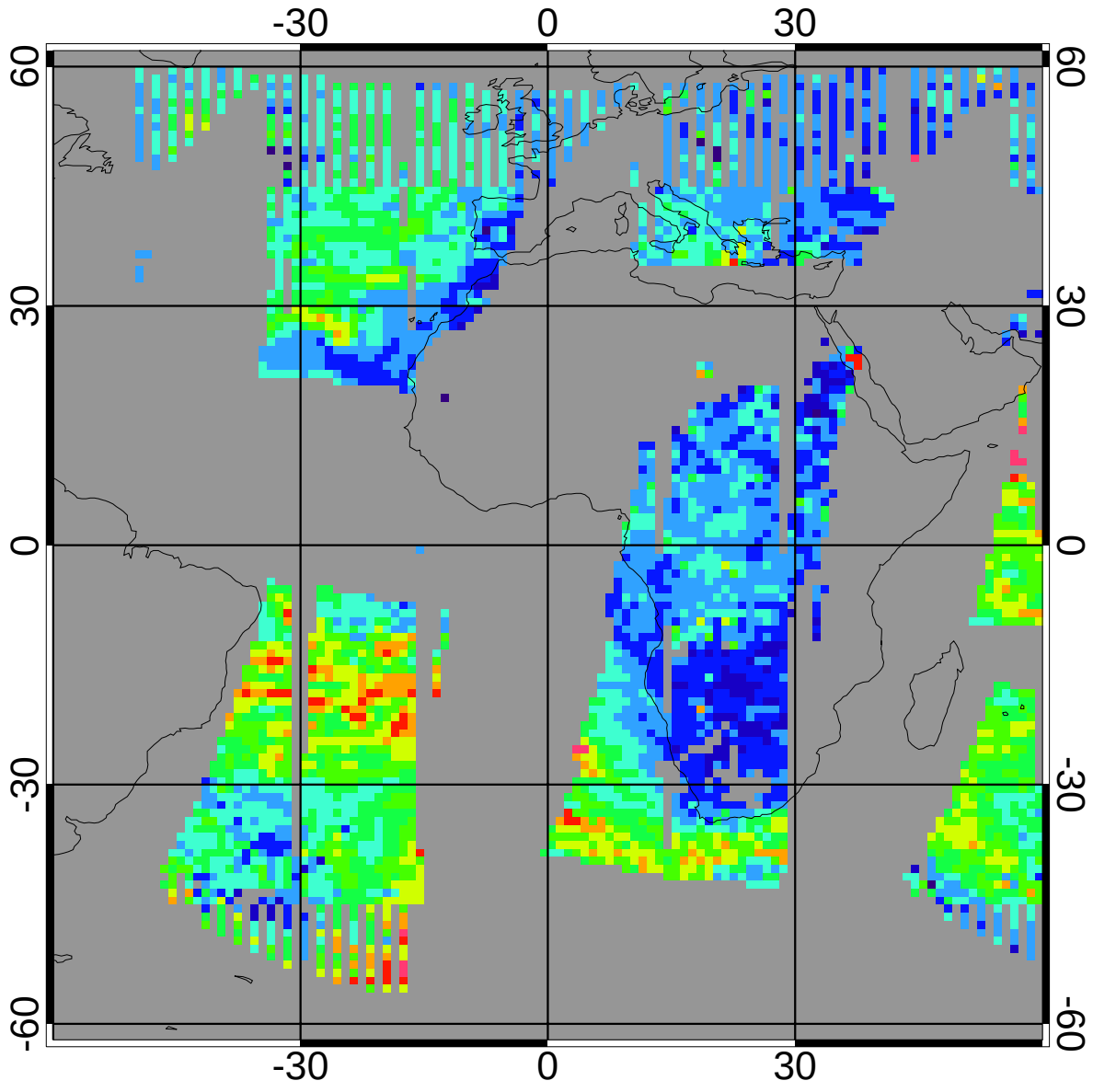
5ch_39cal Jul 2010



13.18

CERES/Terra MEAN Daytime Liquid Particle Size (microns)

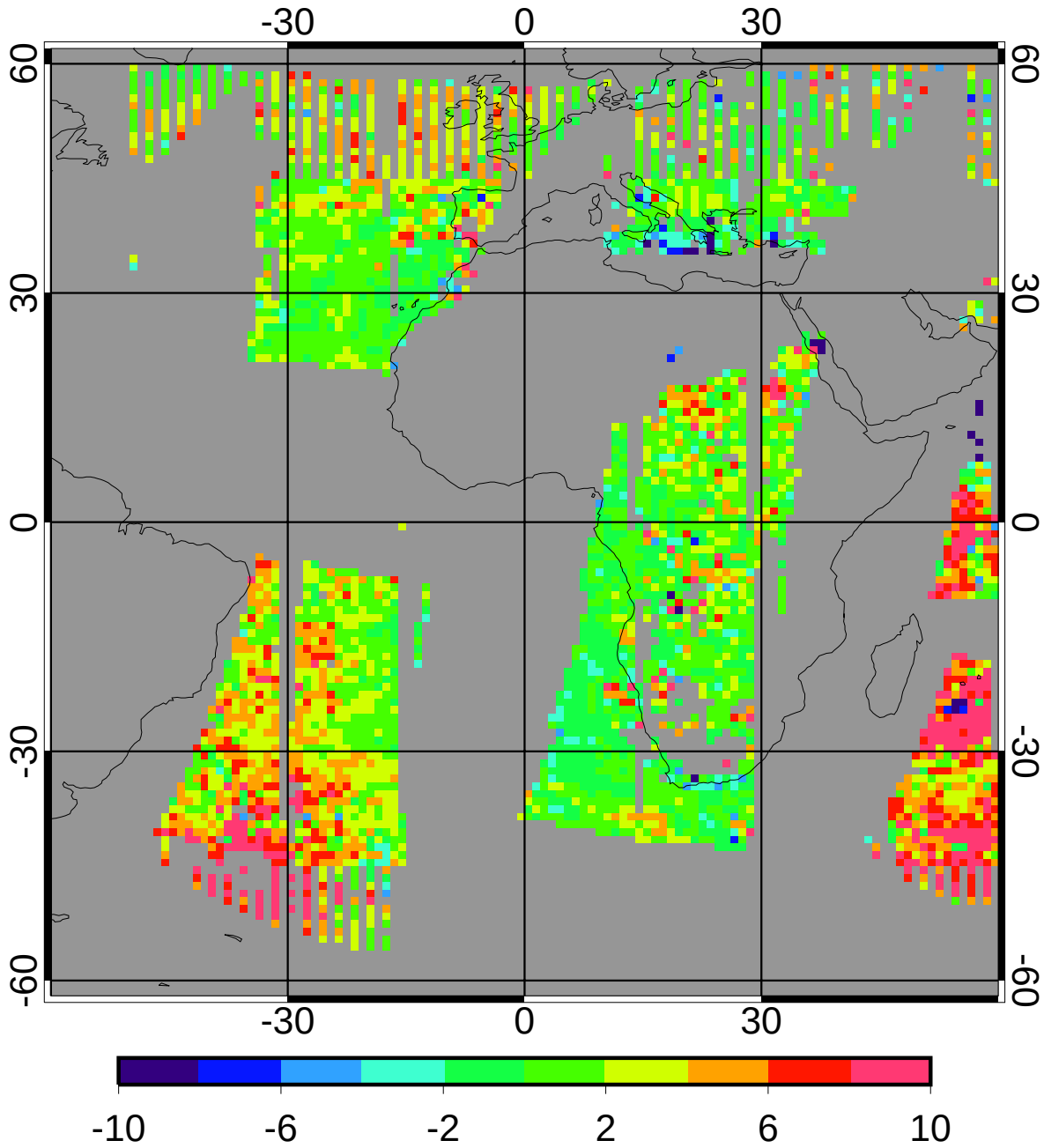
5ch_39cal Jul 2010



11.82

GGEO - CERES/Terra Daytime Liquid Particle Size (microns) Bias

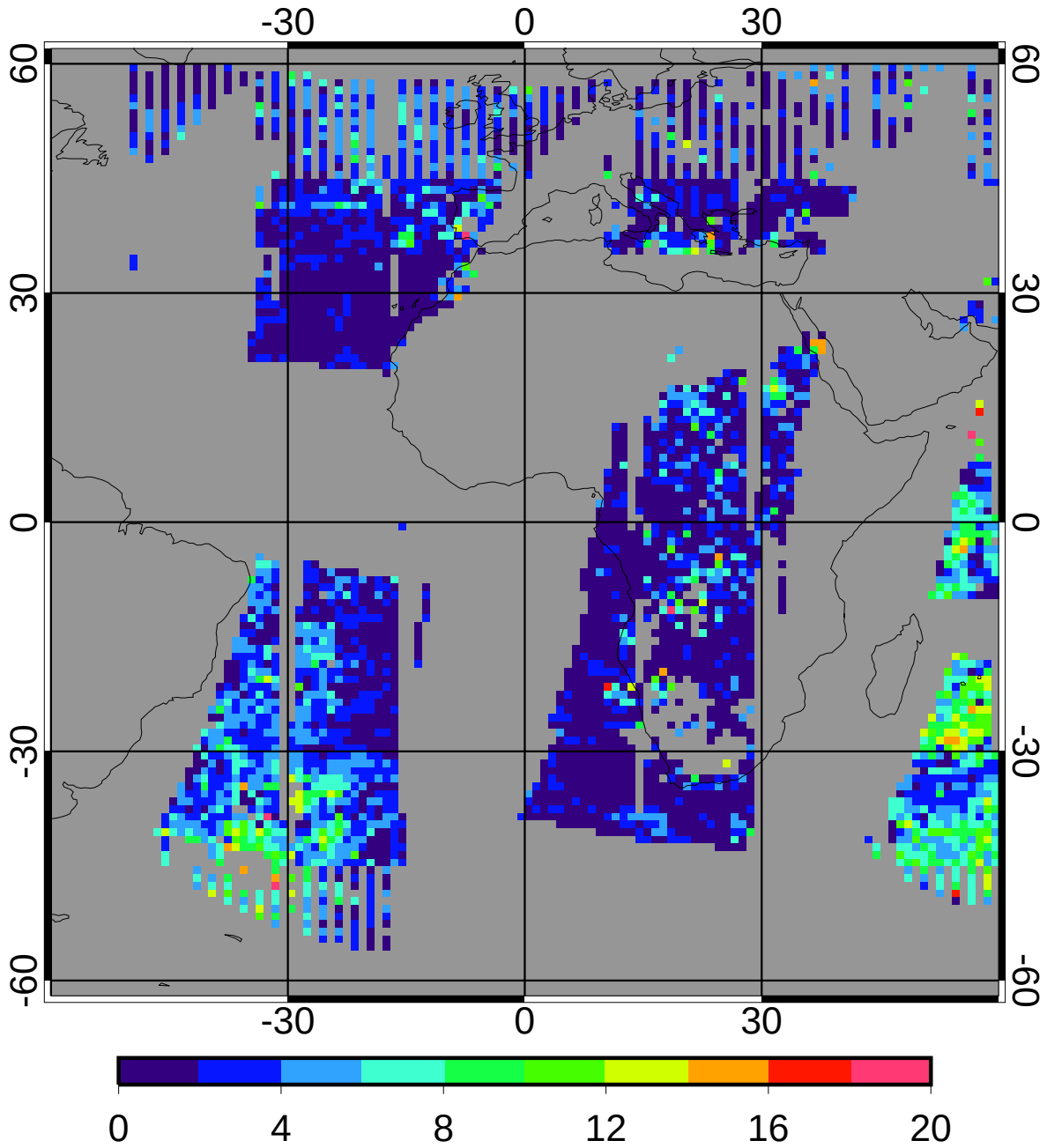
5ch_39cal Jul 2010



bias	1.90	16.06%
domain sigma	2.99	25.32%

GGEO - CERES/Terra Daytime Liquid Particle Size (microns) RMS

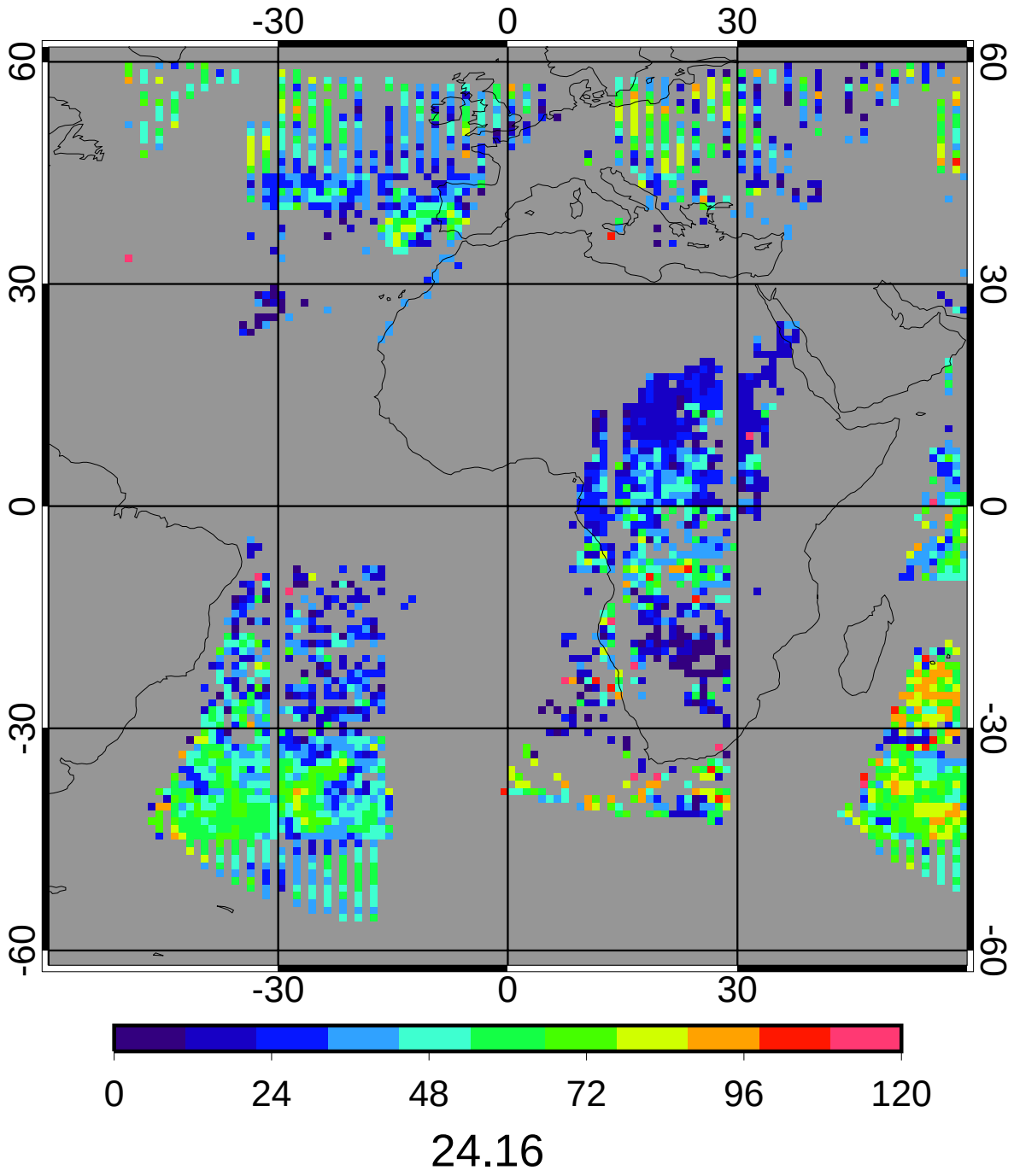
5ch_39cal Jul 2010



regave rms	2.65	22.39%
domain rms	3.88	32.80%

GGEO MEAN Daytime Ice Particle Size (microns)

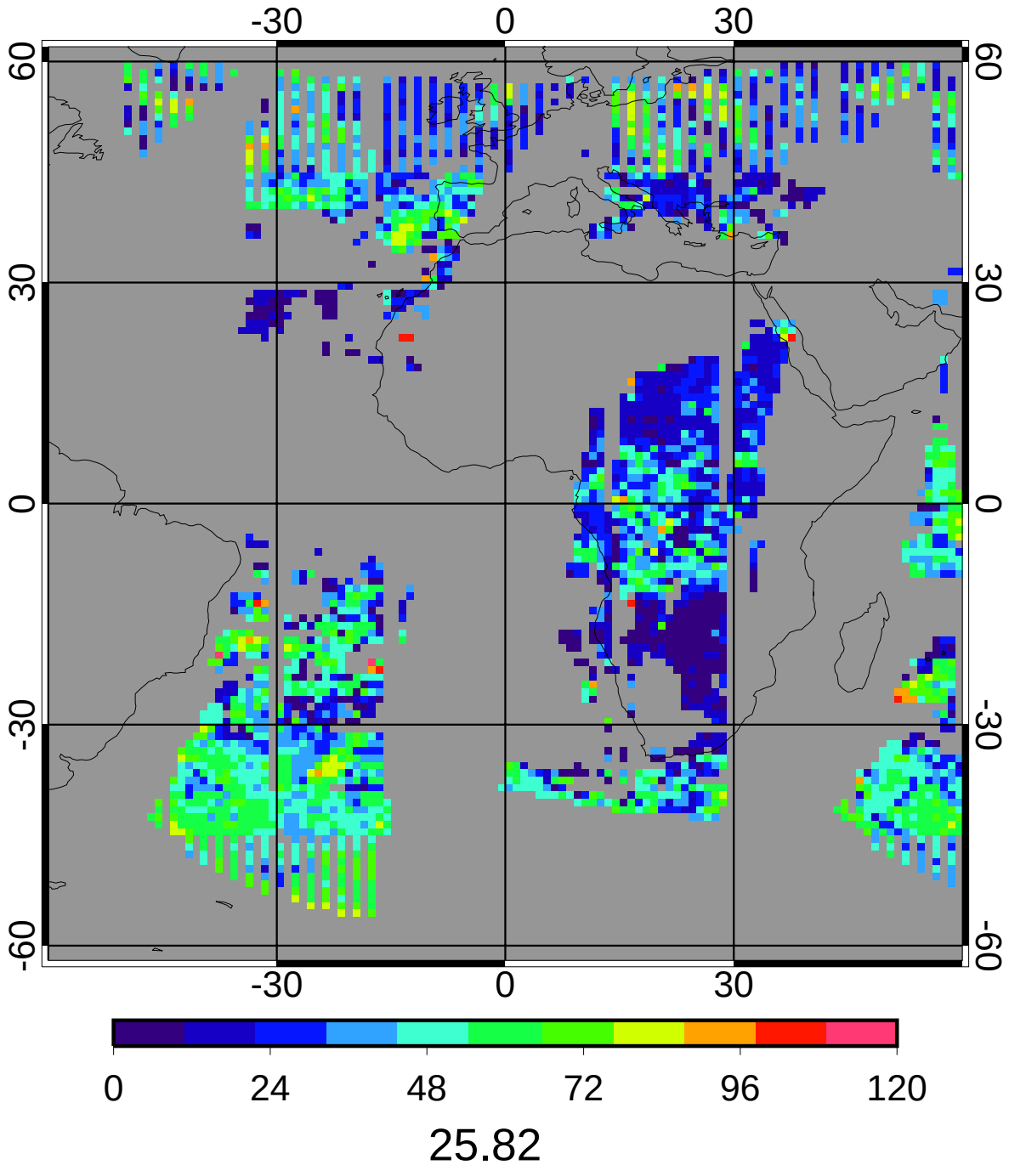
5ch_39cal Jul 2010



24.16

CERES/Terra MEAN Daytime Ice Particle Size (microns)

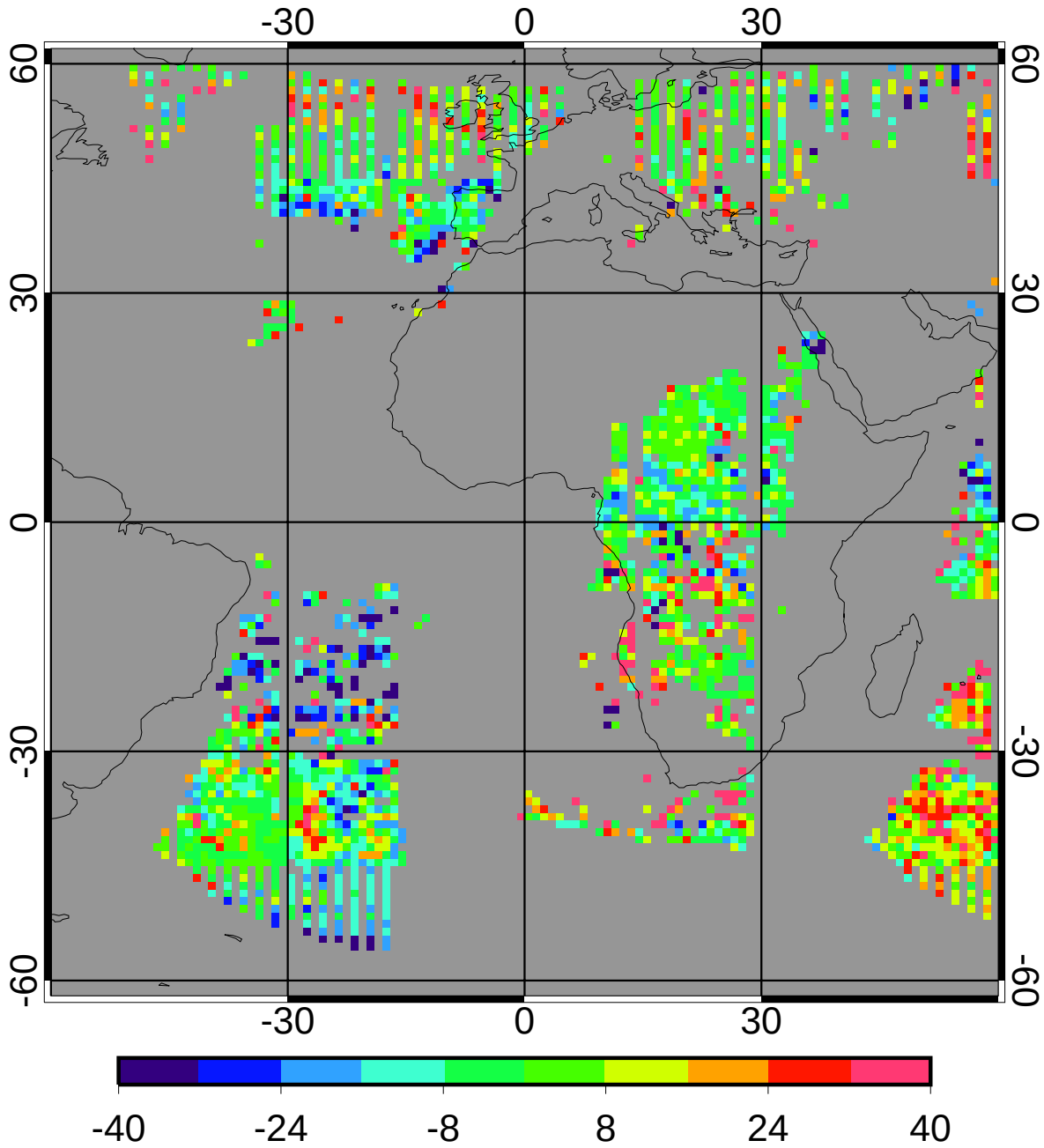
5ch_39cal Jul 2010



25.82

GGEO - CERES/Terra Daytime Ice Particle Size (microns) Bias

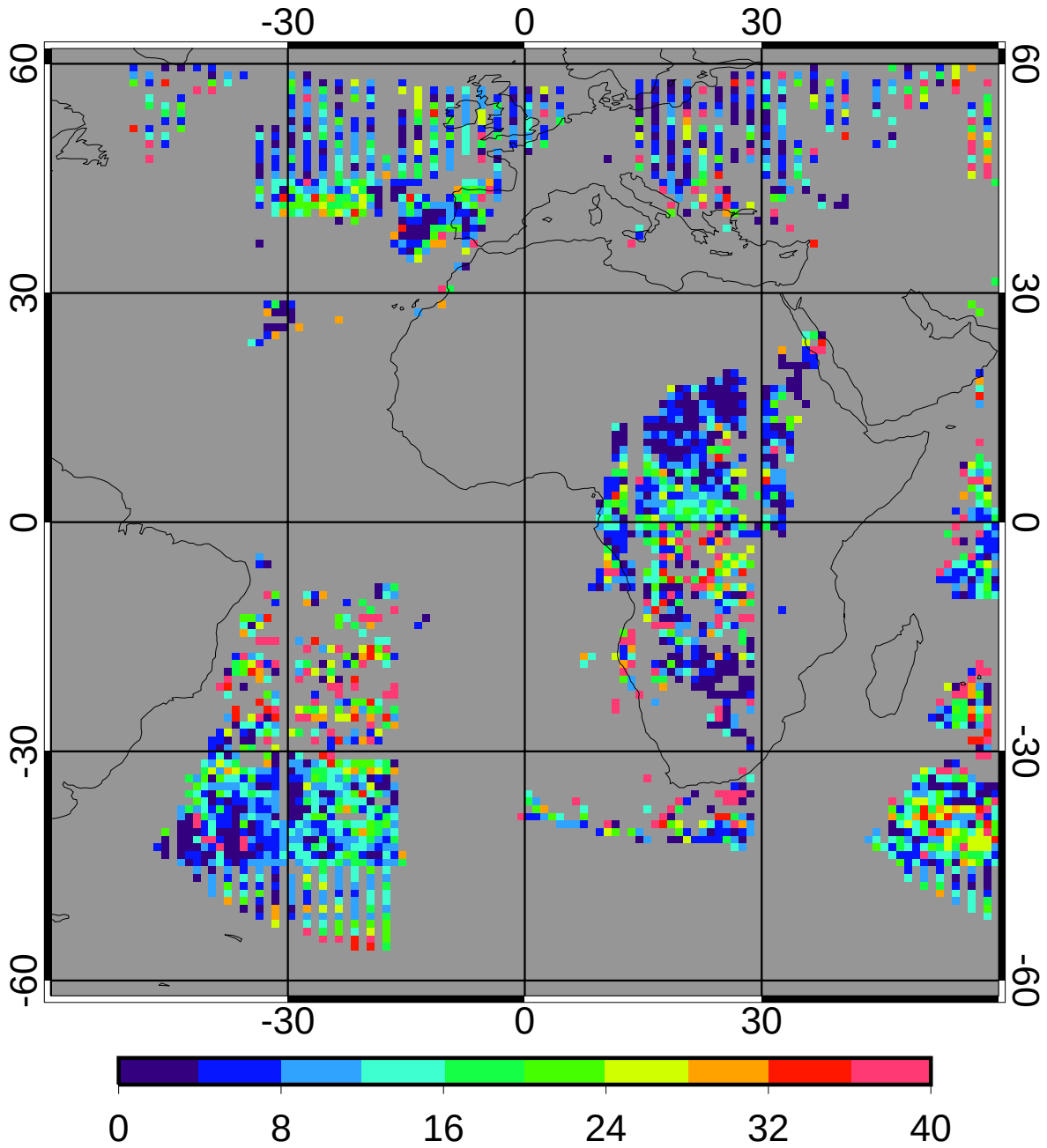
5ch_39cal Jul 2010



bias	0.98	3.78%
domain sigma	17.06	66.08%

GGEO - CERES/Terra Daytime Ice Particle Size (microns) RMS

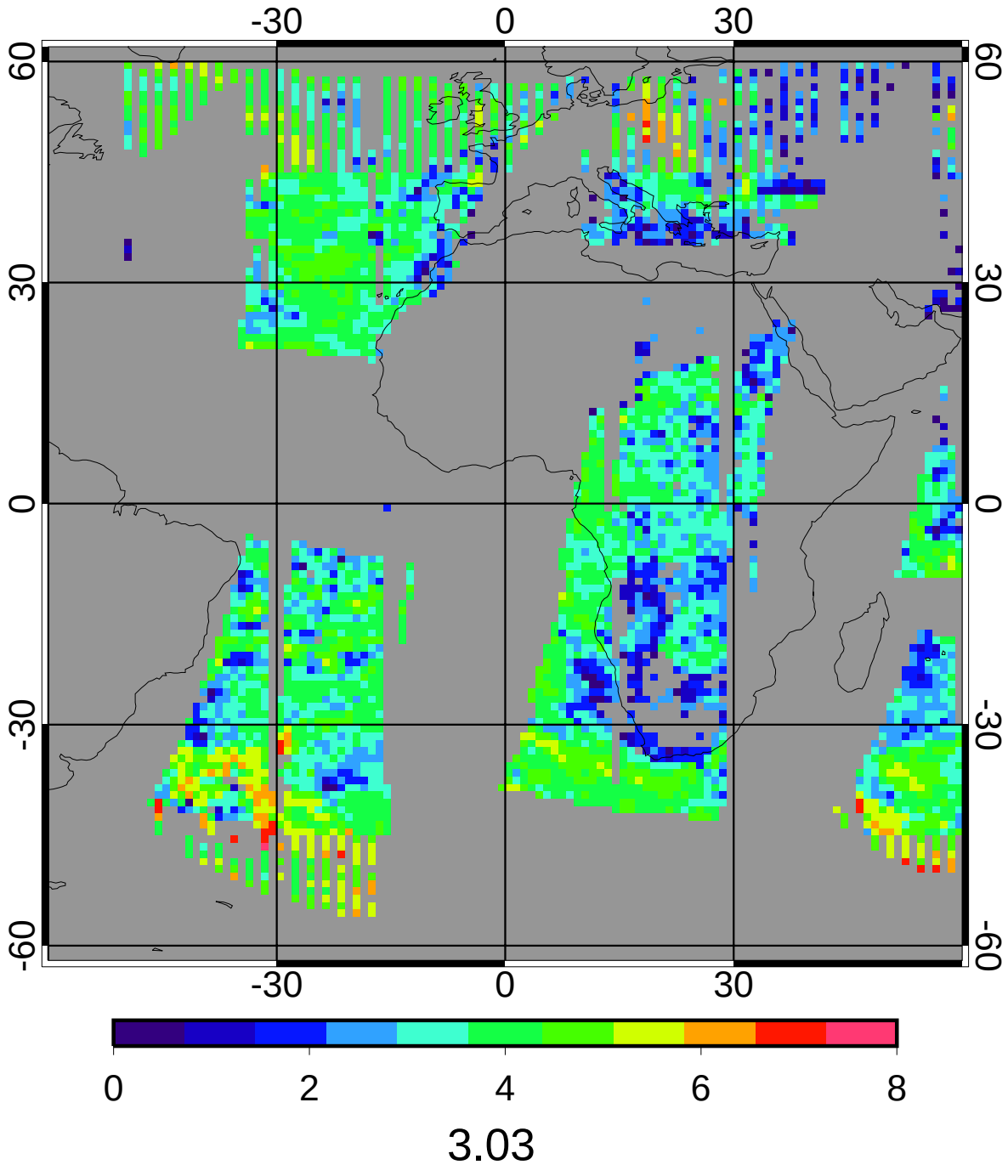
5ch_39cal Jul 2010



regave rms	7.71	29.85%
domain rms	18.37	71.12%

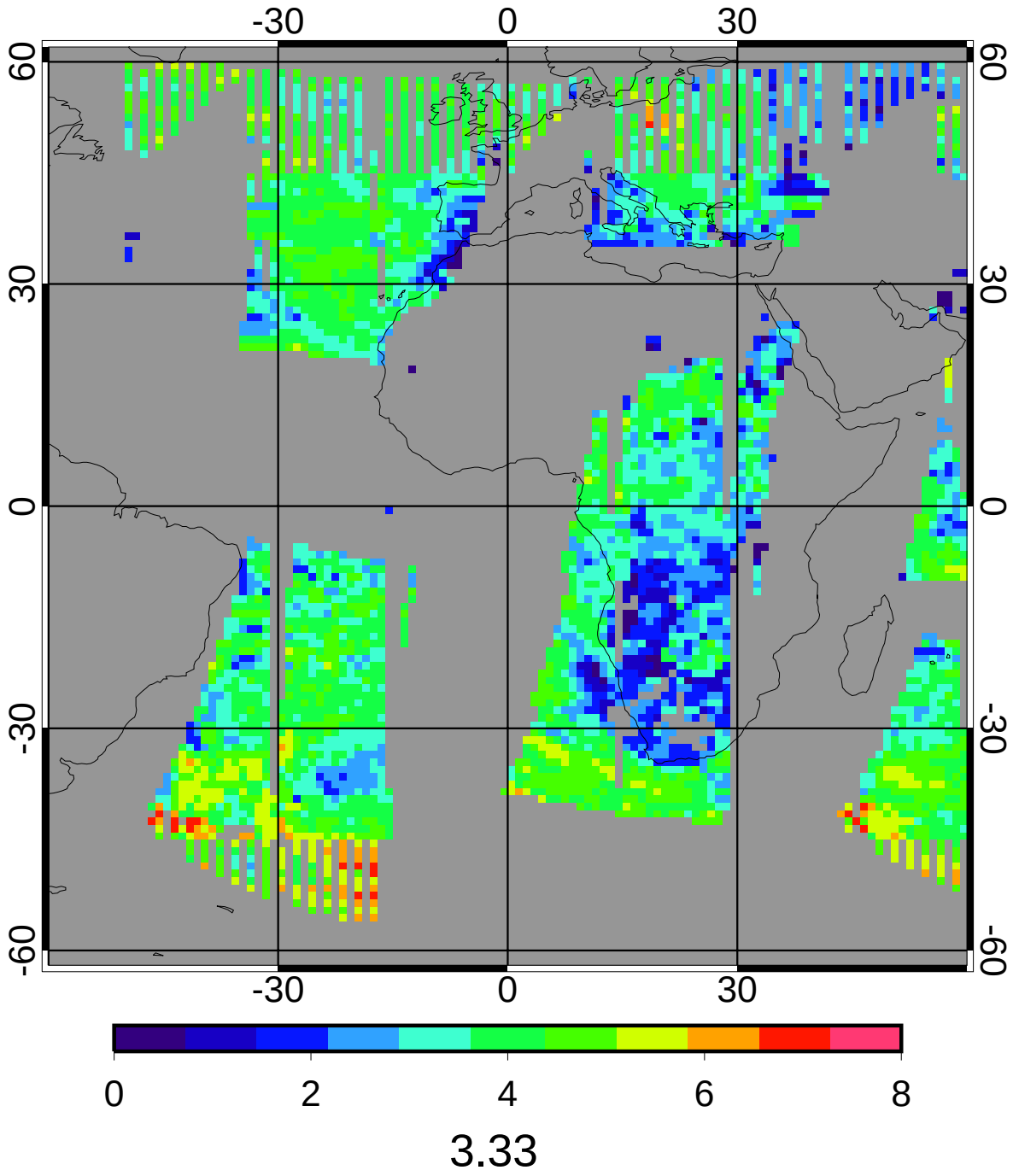
GGEO MEAN Daytime Log Liquid Water Path (g/m2)

5ch_39cal Jul 2010



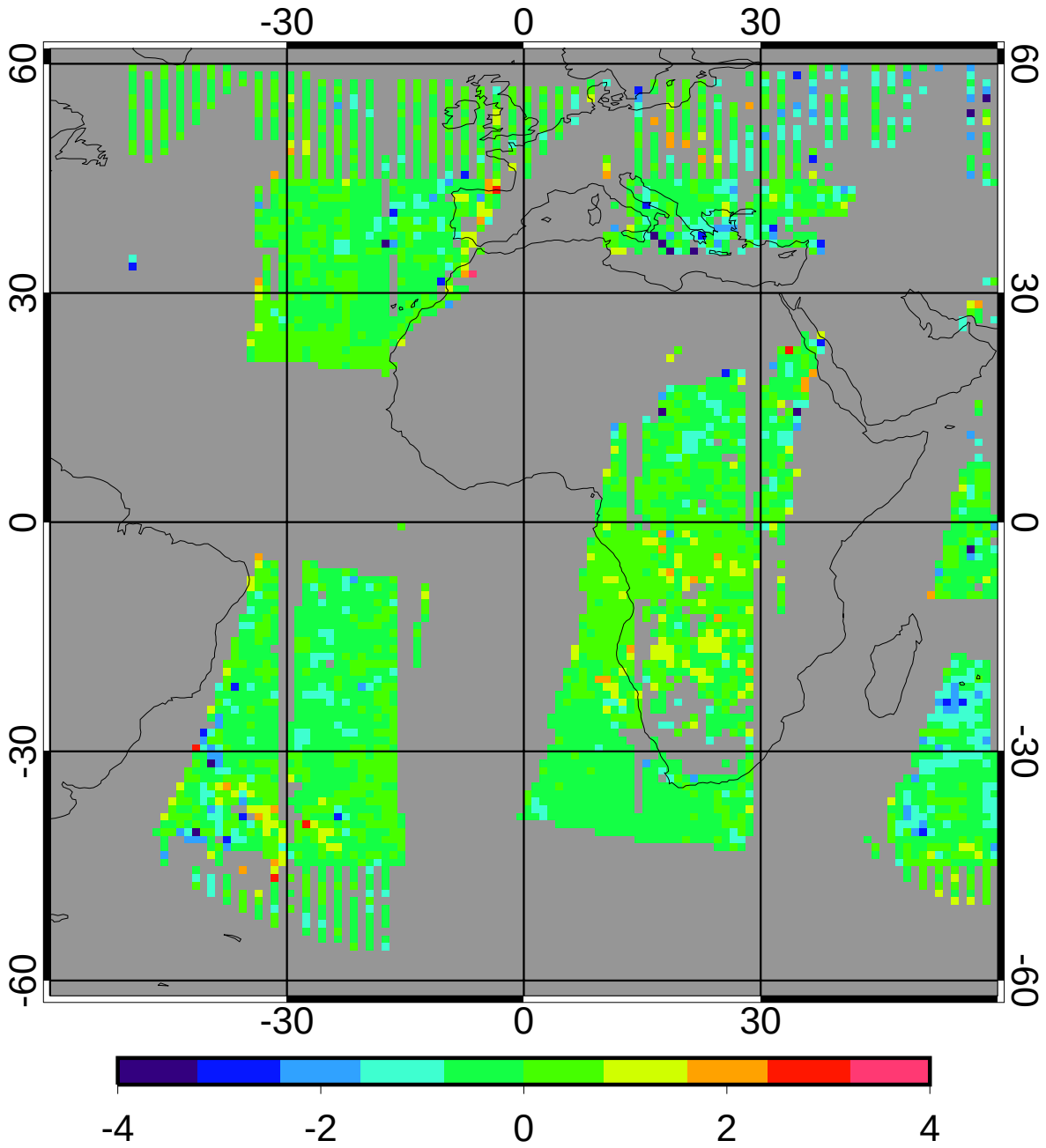
CERES/Terra MEAN Daytime Log Liquid Water Path (g/m2)

5ch_39cal Jul 2010



GGEO - CERES/Terra Daytime Log Liquid Water Path (g/m2) Bias

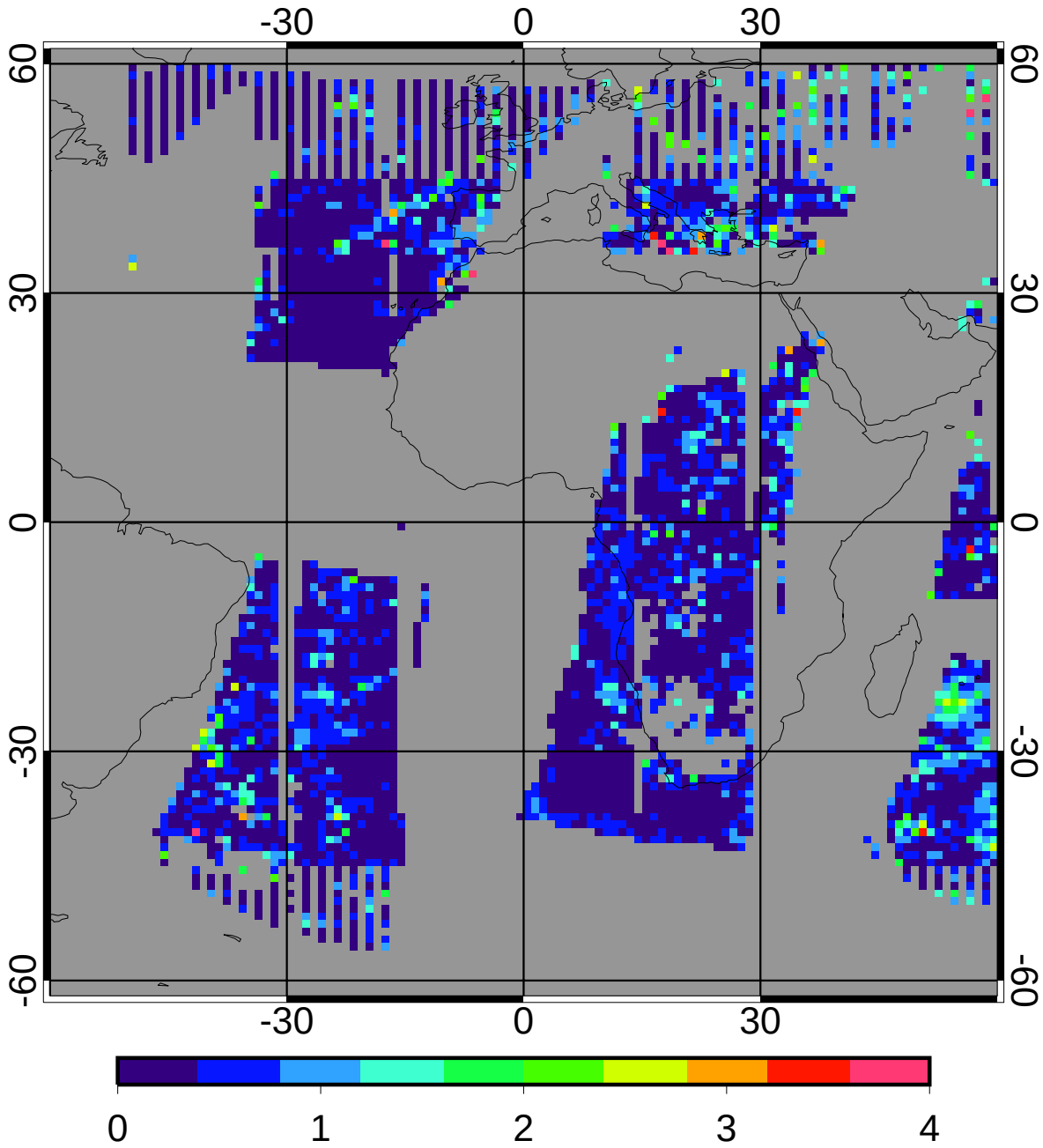
5ch_39cal Jul 2010



bias	-0.14	-4.17%
domain sigma	0.54	16.30%

GGEO - CERES/Terra Daytime Log Liquid Water Path (g/m2) RMS

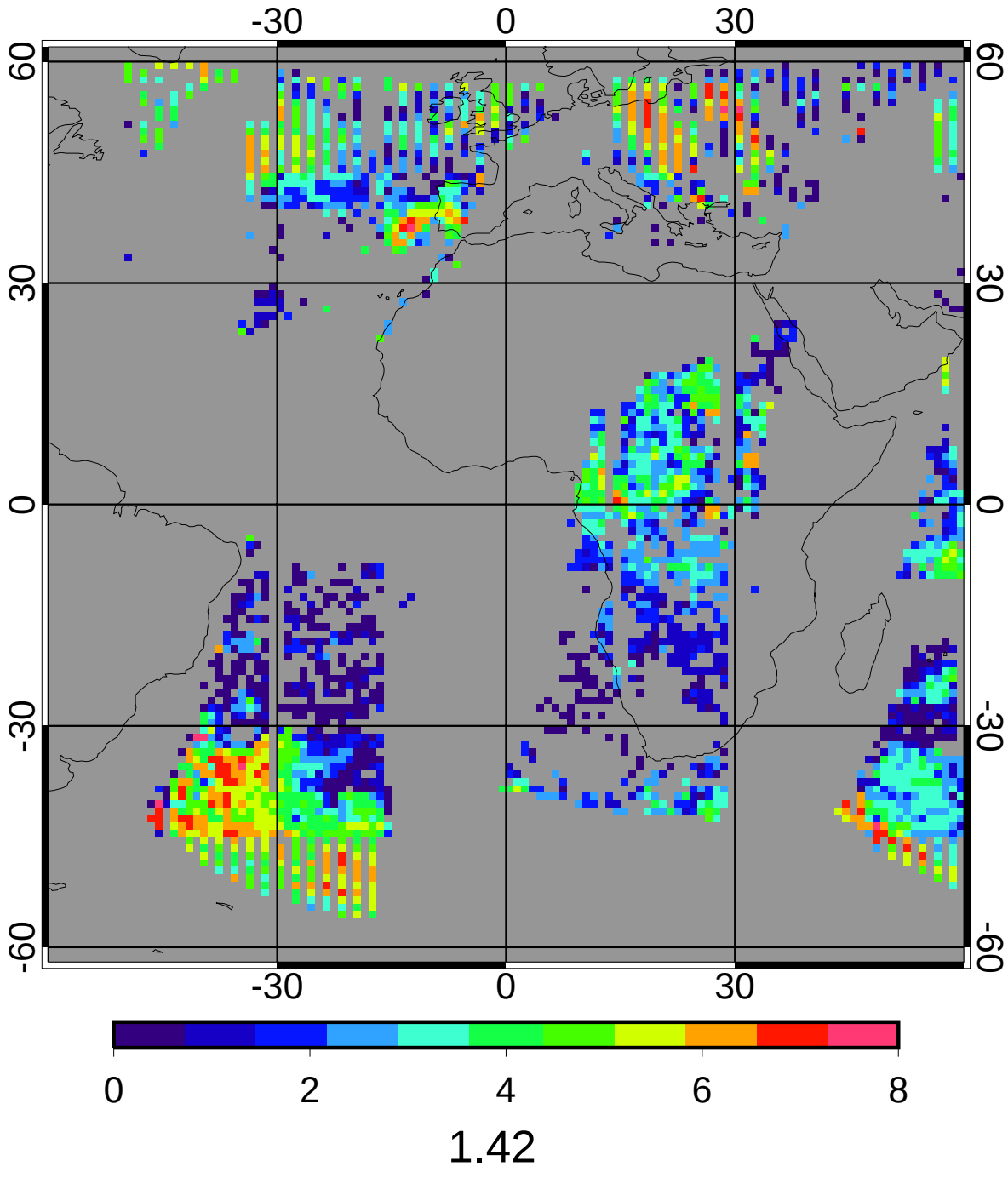
5ch_39cal Jul 2010



regave rms	0.39	11.74%
domain rms	0.59	17.58%

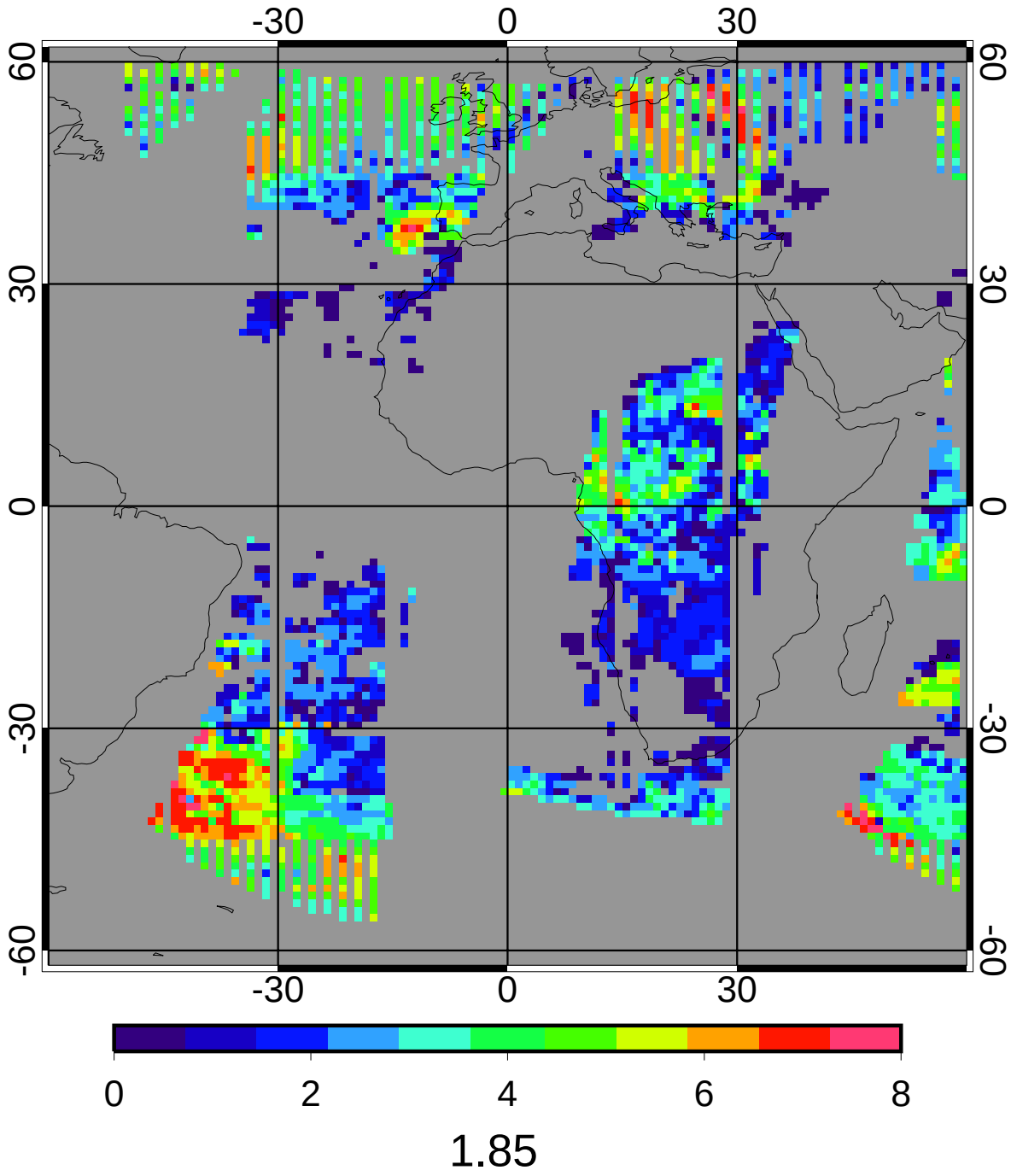
GGEO MEAN Daytime Log Ice Water Path (g/m2)

5ch_39cal Jul 2010



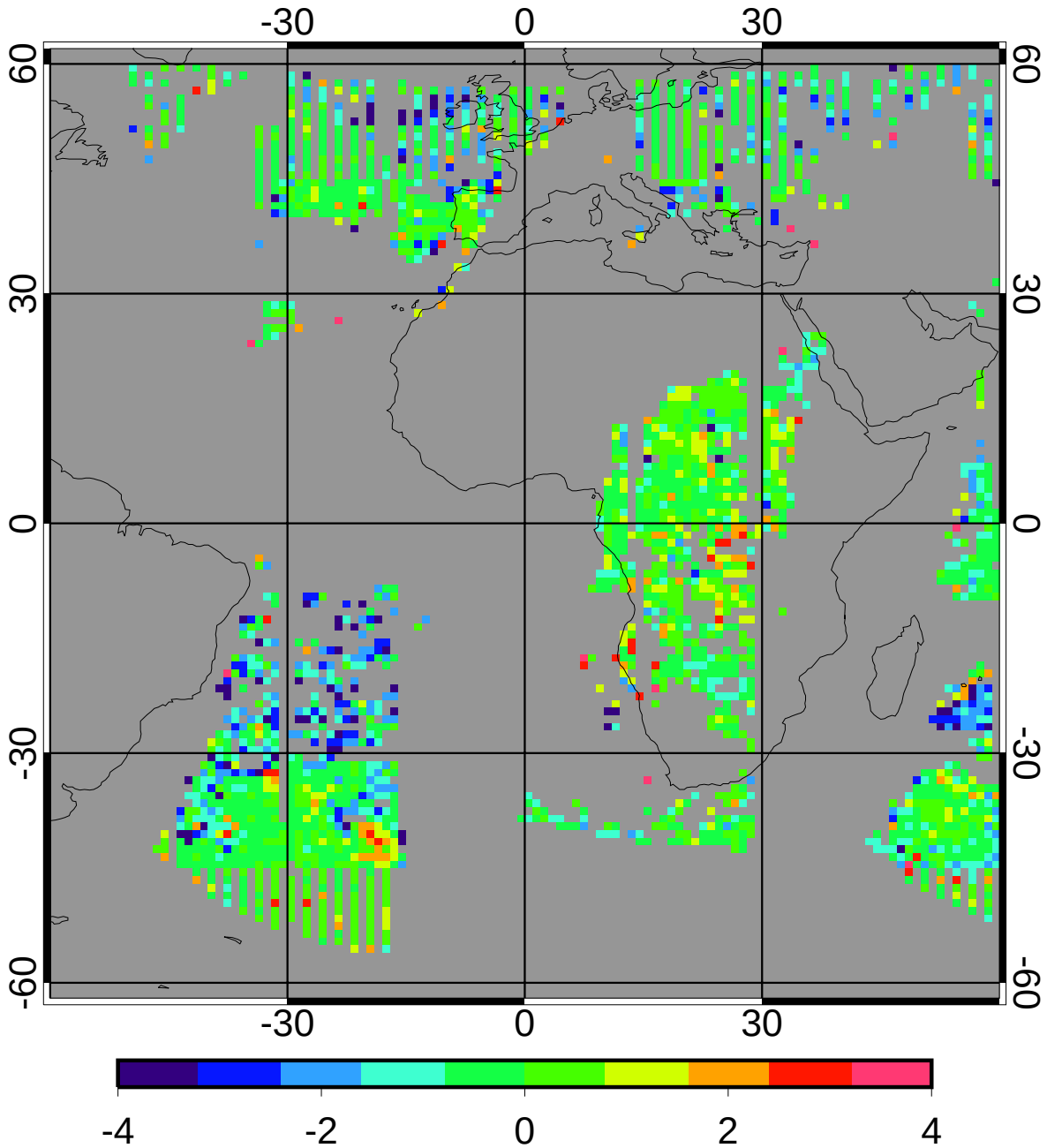
CERES/Terra MEAN Daytime Log Ice Water Path (g/m2)

5ch_39cal Jul 2010



GGEO - CERES/Terra Daytime Log Ice Water Path (g/m2) Bias

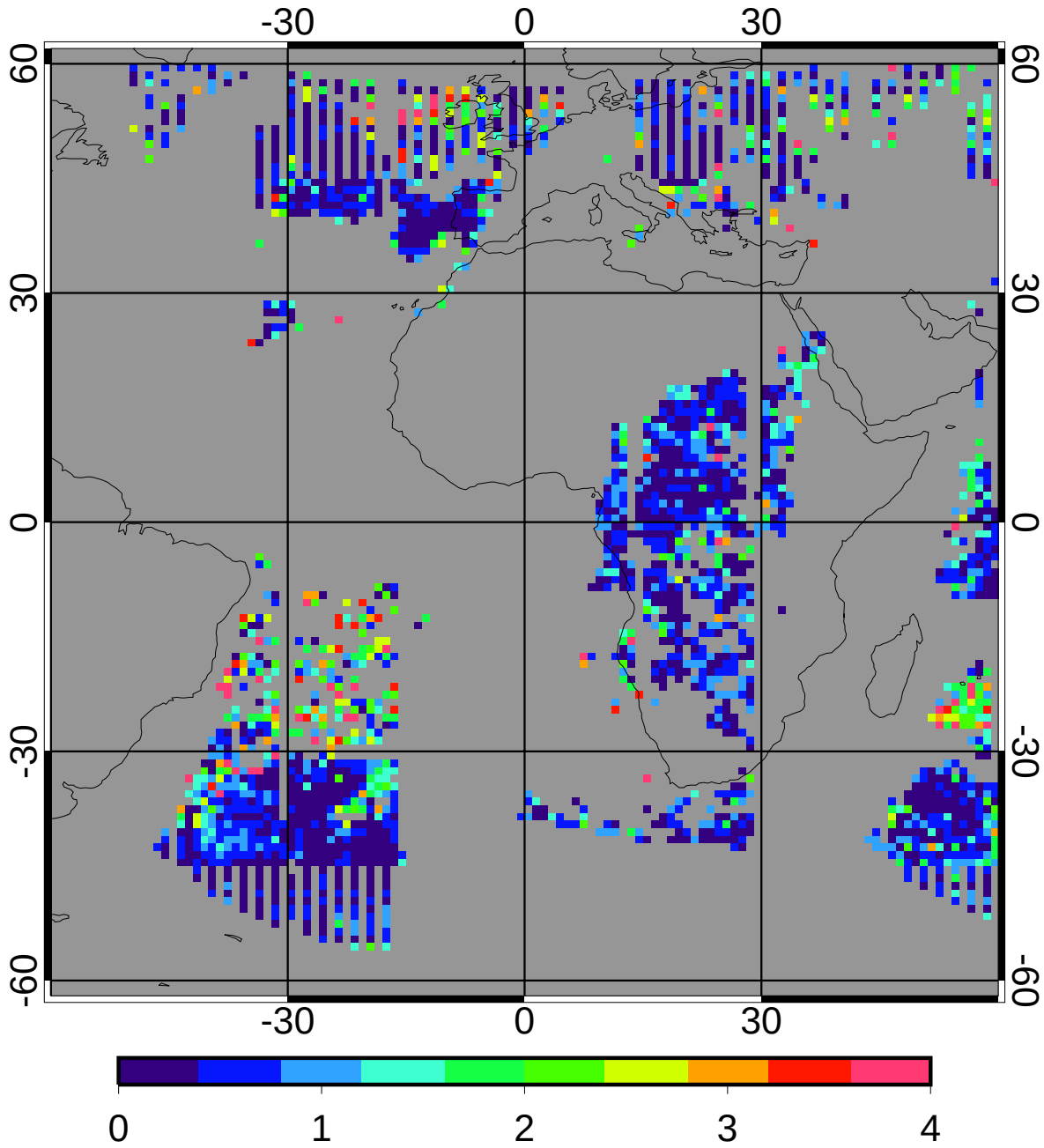
5ch_39cal Jul 2010



bias	-0.20	-10.68%
domain sigma	1.06	57.59%

GGEO - CERES/Terra Daytime Log Ice Water Path (g/m2) RMS

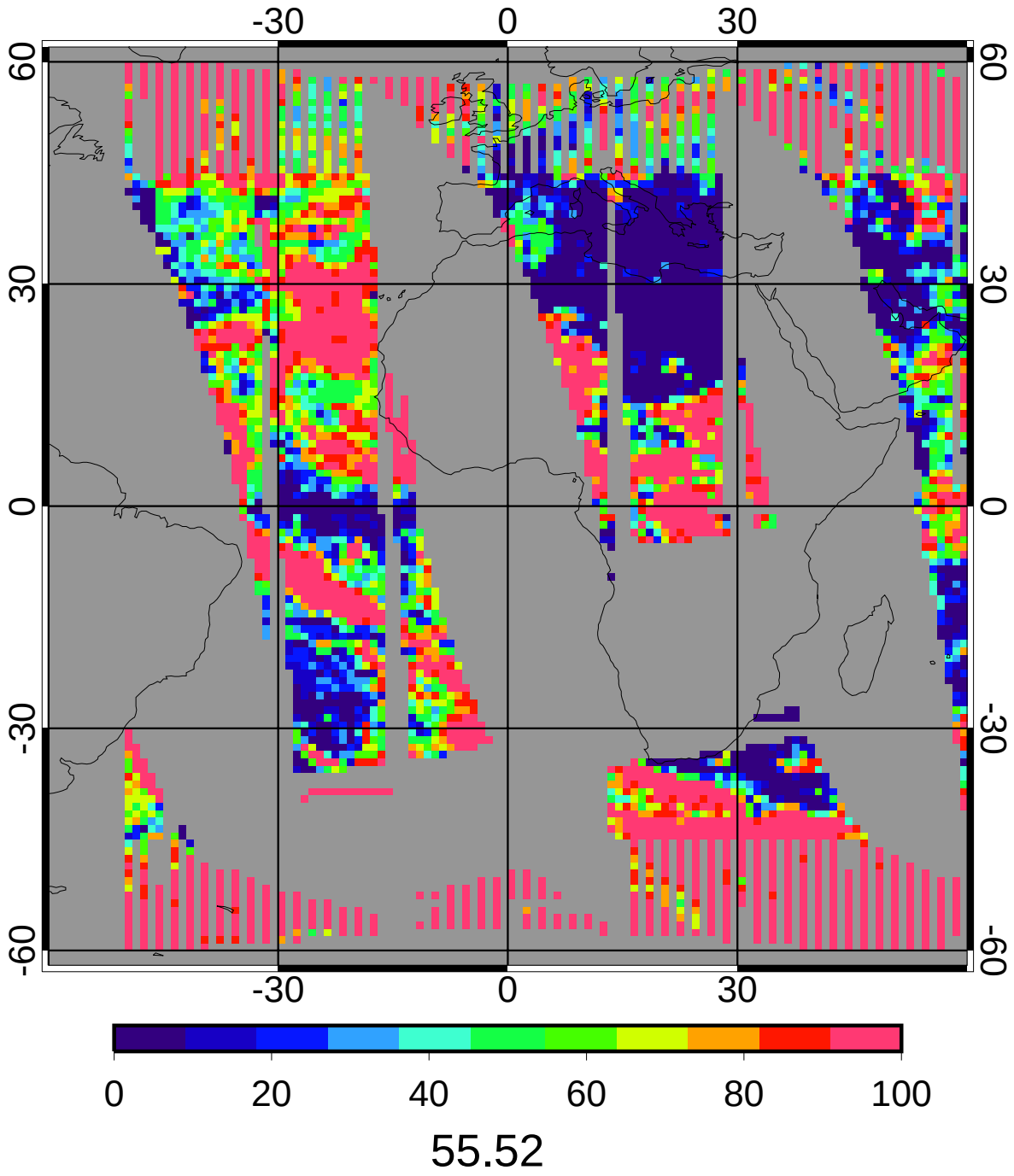
5ch_39cal Jul 2010



regave rms	0.44	23.70%
domain rms	1.09	58.95%

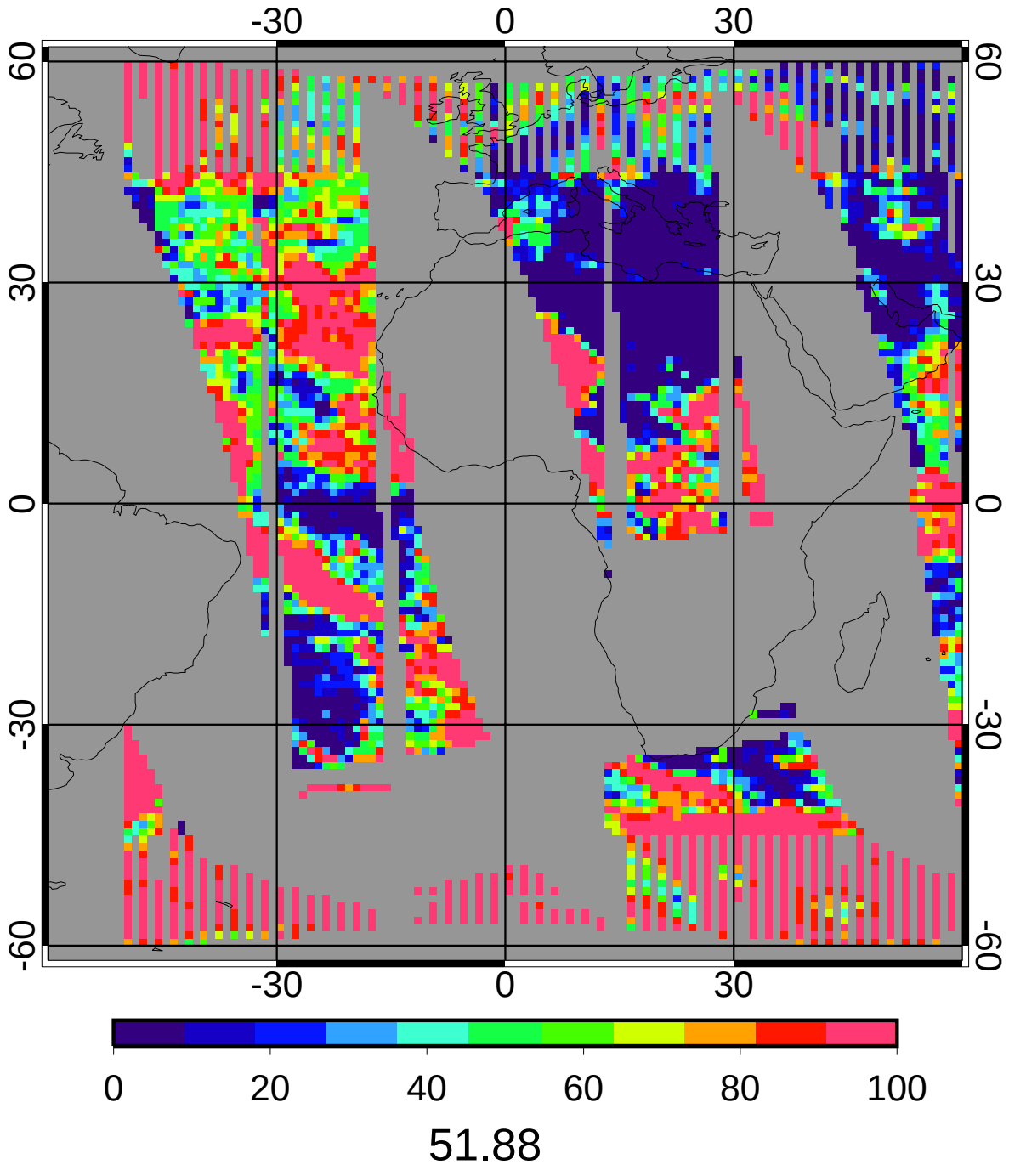
GGEO MEAN Nighttime Cloud Amount (%)

5ch_39cal Jul 2010



CERES/Terra MEAN Nighttime Cloud Amount (%)

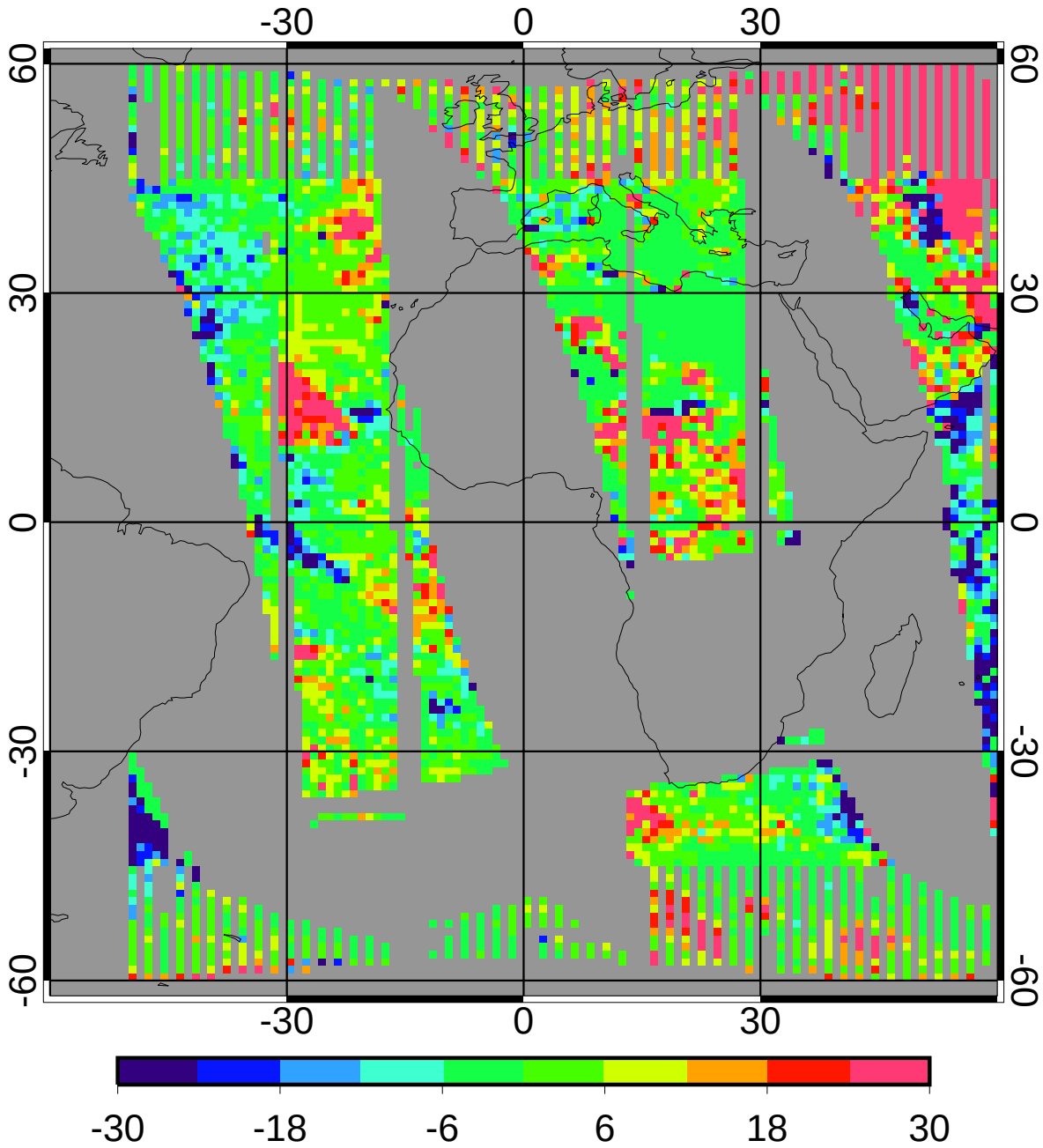
5ch_39cal Jul 2010



51.88

GGEO - CERES/Terra Nighttime Cloud Amount (%) Bias

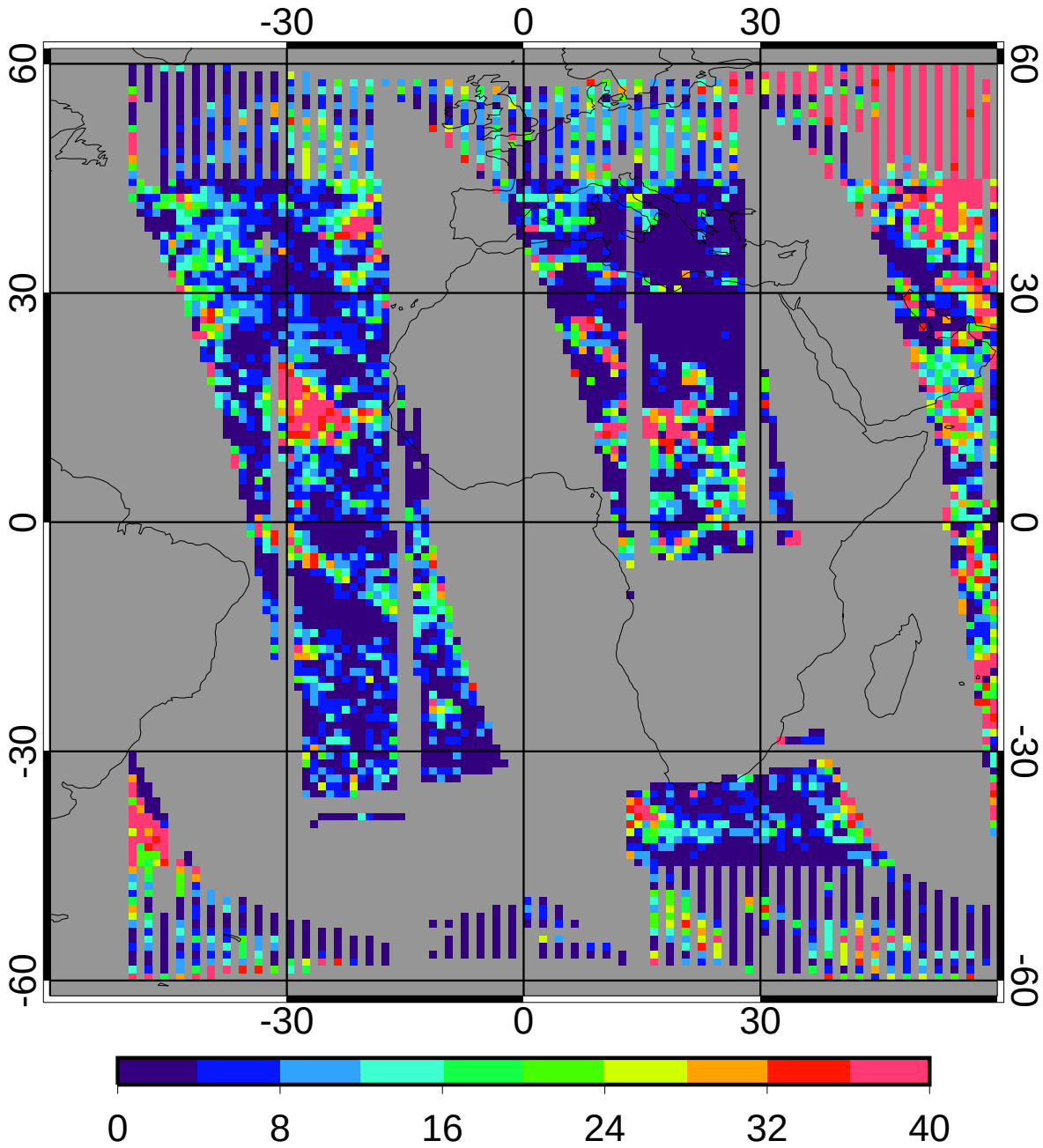
5ch_39cal Jul 2010



bias	3.65	7.03%
domain sigma	15.23	29.36%

GGEO - CERES/Terra Nighttime Cloud Amount (%) RMS

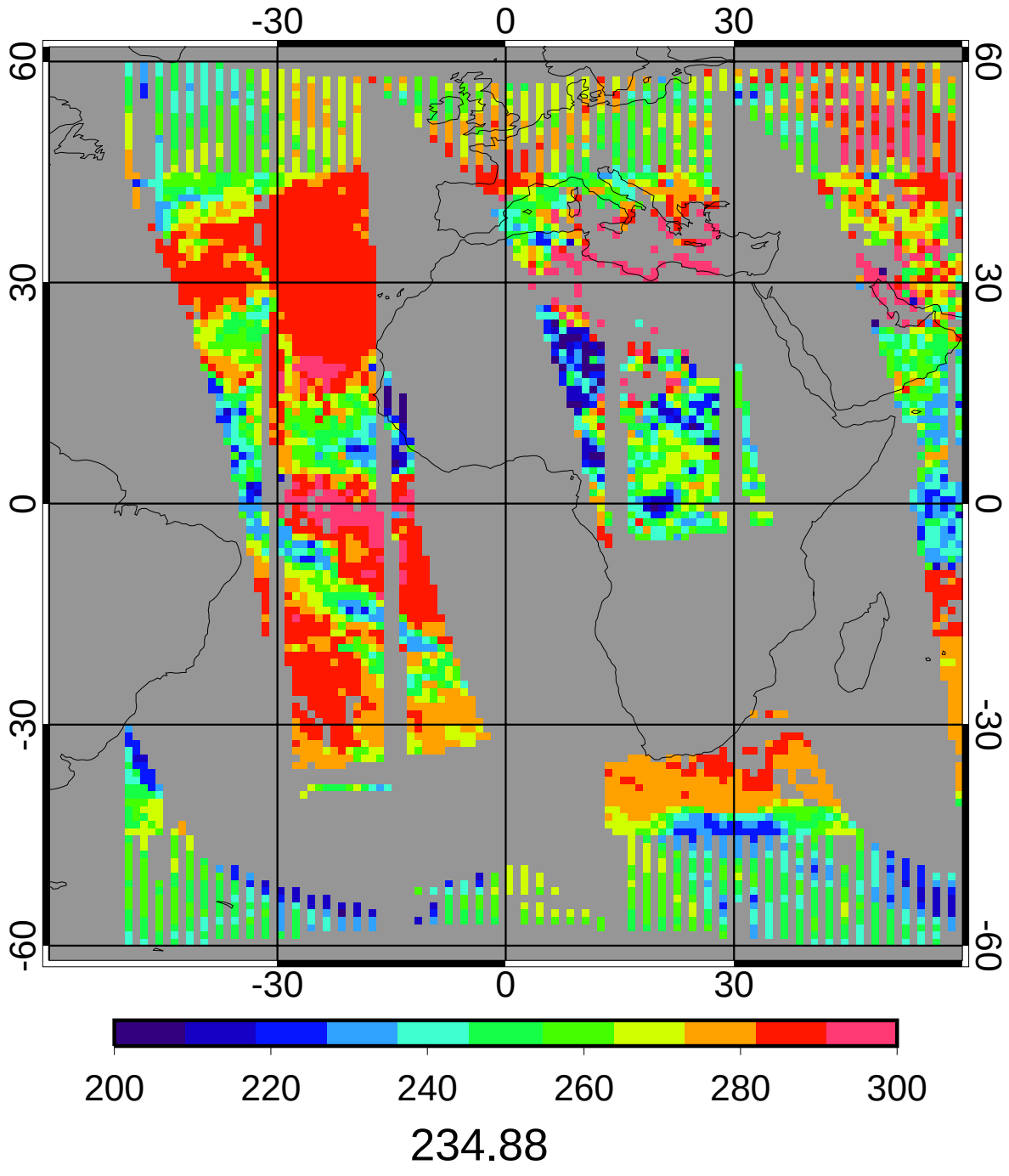
5ch_39cal Jul 2010



regave rms	11.86	22.86%
domain rms	17.24	33.22%

GGEO MEAN Nighttime Cloud Temperature (K)

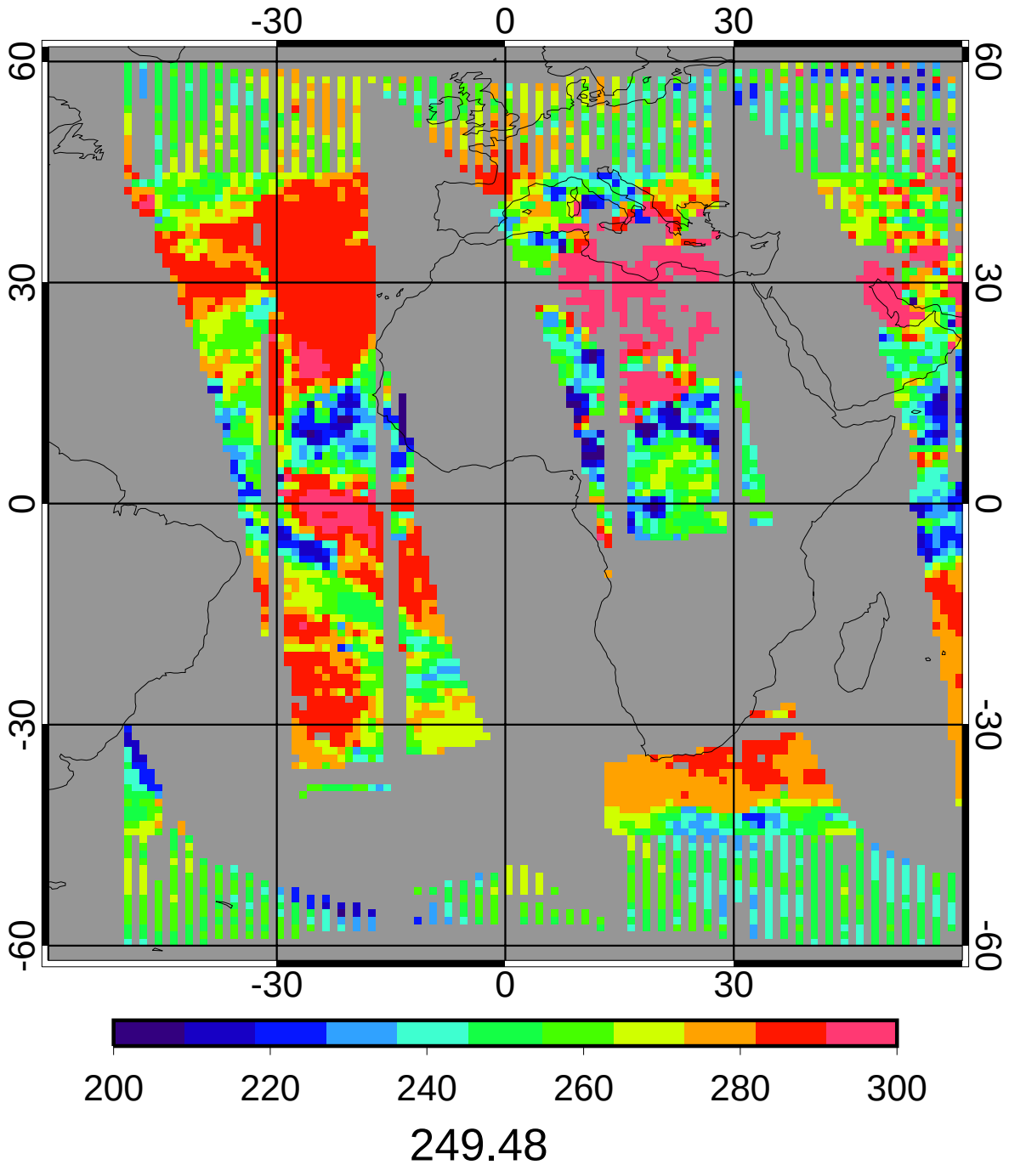
5ch_39cal Jul 2010



234.88

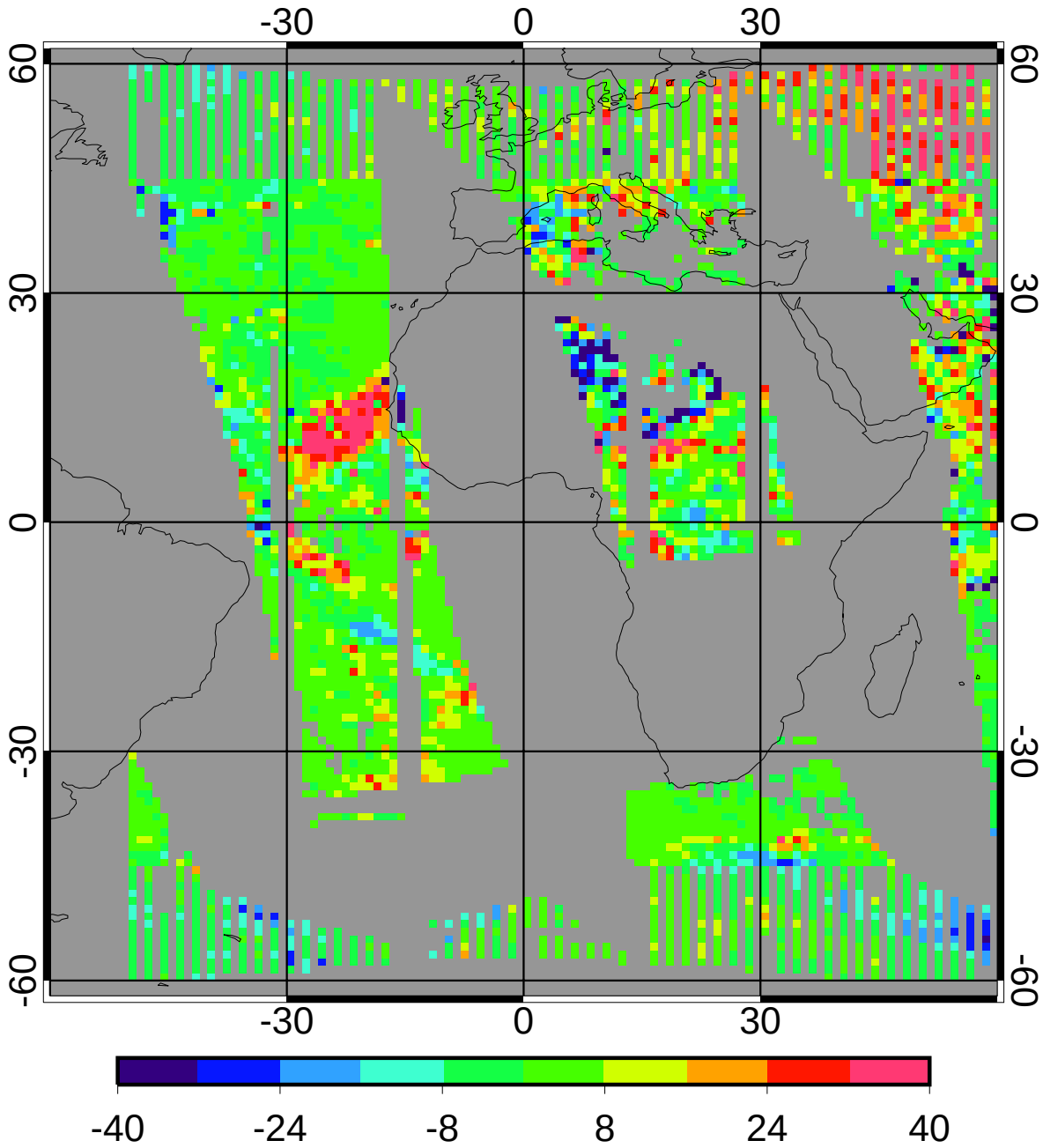
CERES/Terra MEAN Nighttime Cloud Temperature (K)

5ch_39cal Jul 2010



GGEO - CERES/Terra Nighttime Cloud Temperature (K) Bias

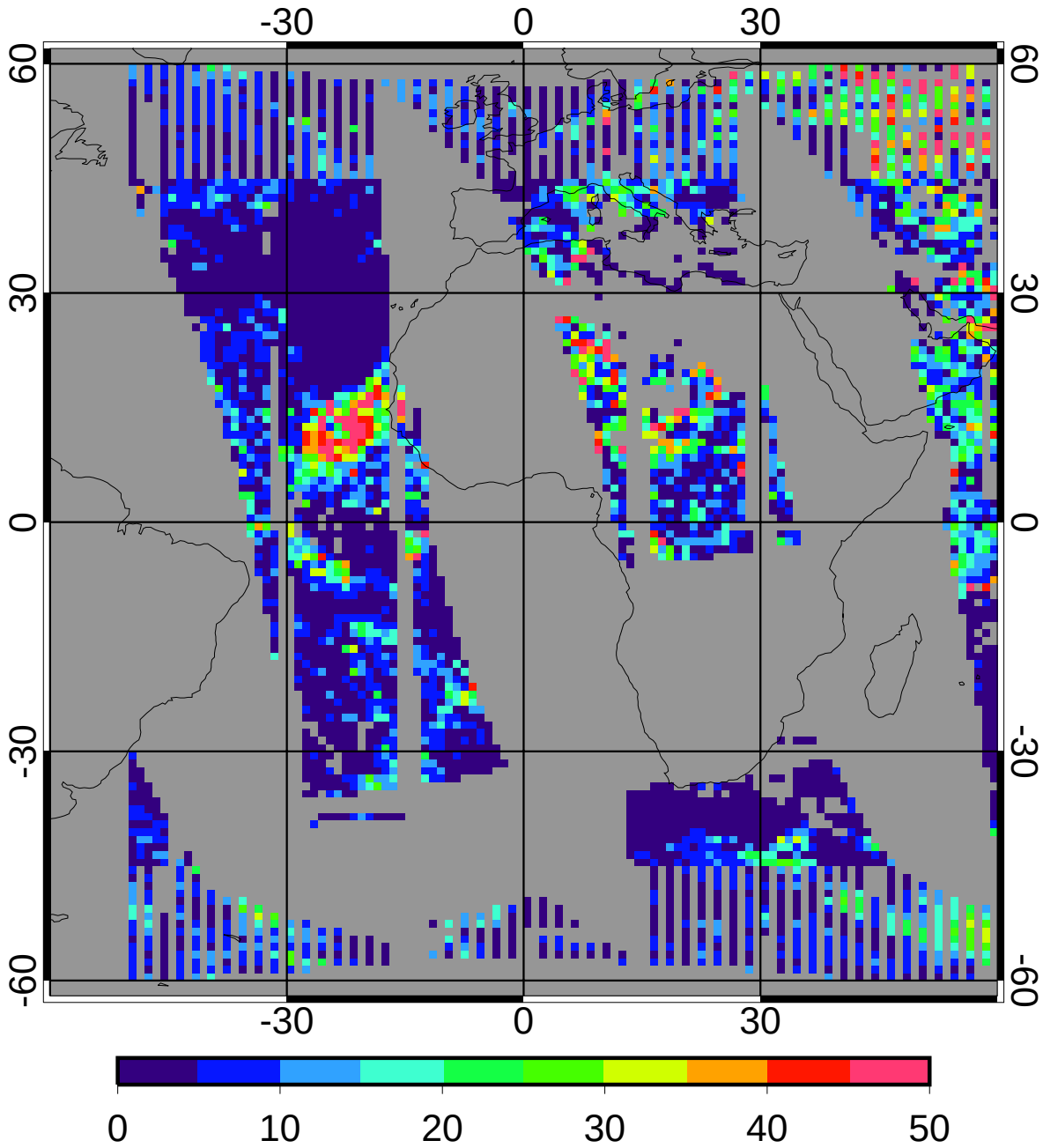
5ch_39cal Jul 2010



bias	2.45	0.98%
domain sigma	11.41	4.57%

GGEO - CERES/Terra Nighttime Cloud Temperature (K) RMS

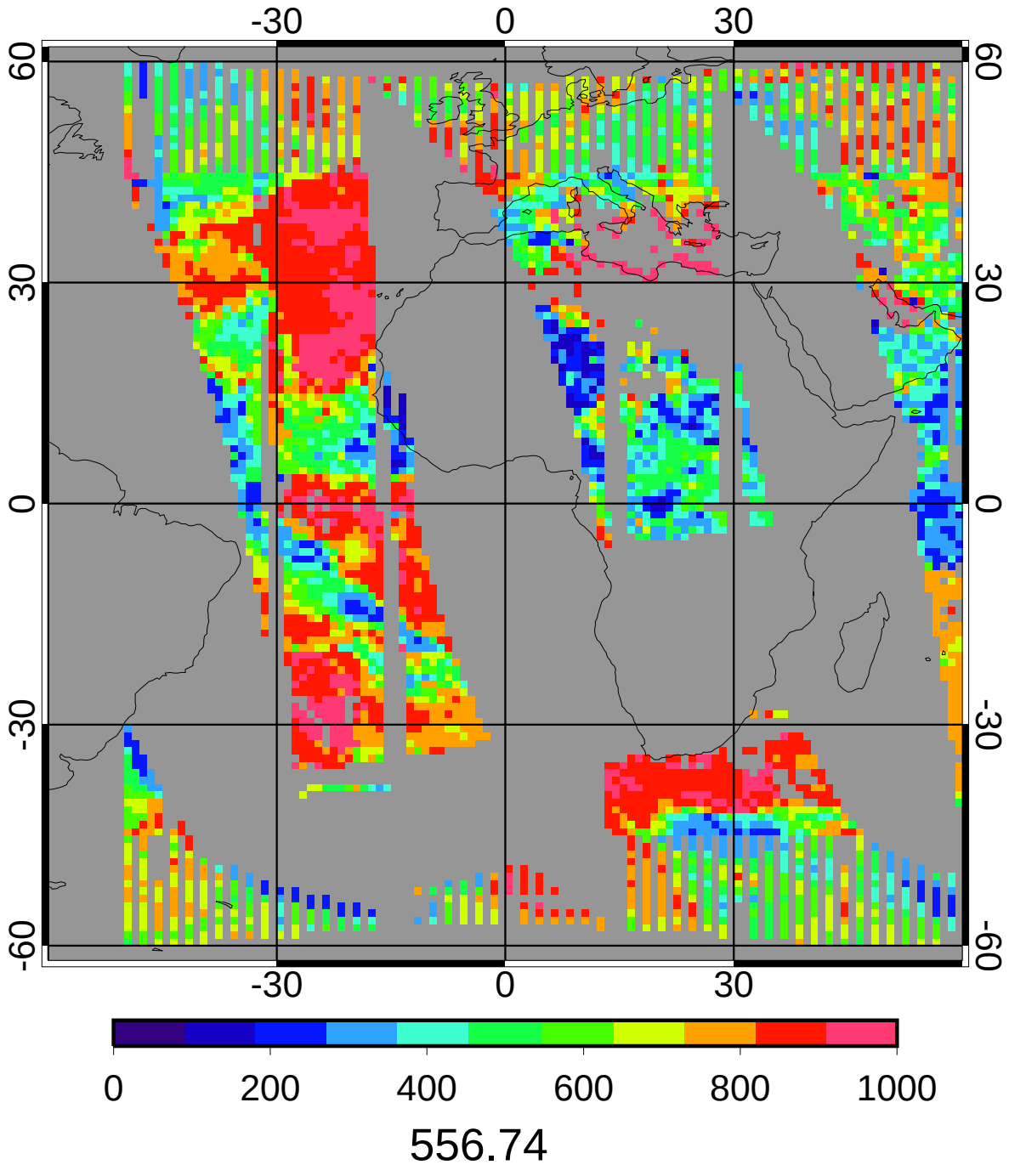
5ch_39cal Jul 2010



regave rms	7.94	3.18%
domain rms	12.42	4.98%

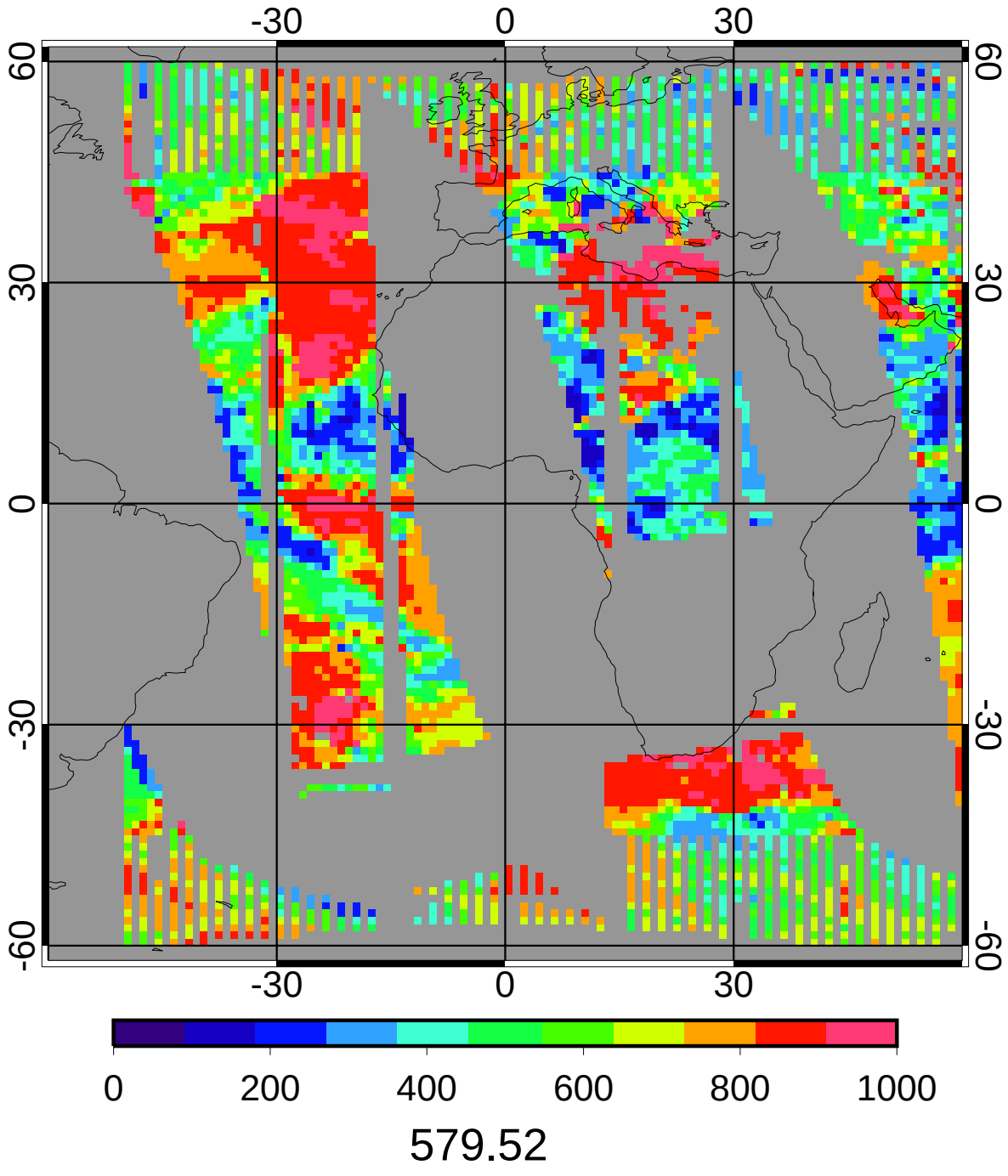
GGEO MEAN Nighttime Cloud Eff Pressure (mb)

5ch_39cal Jul 2010



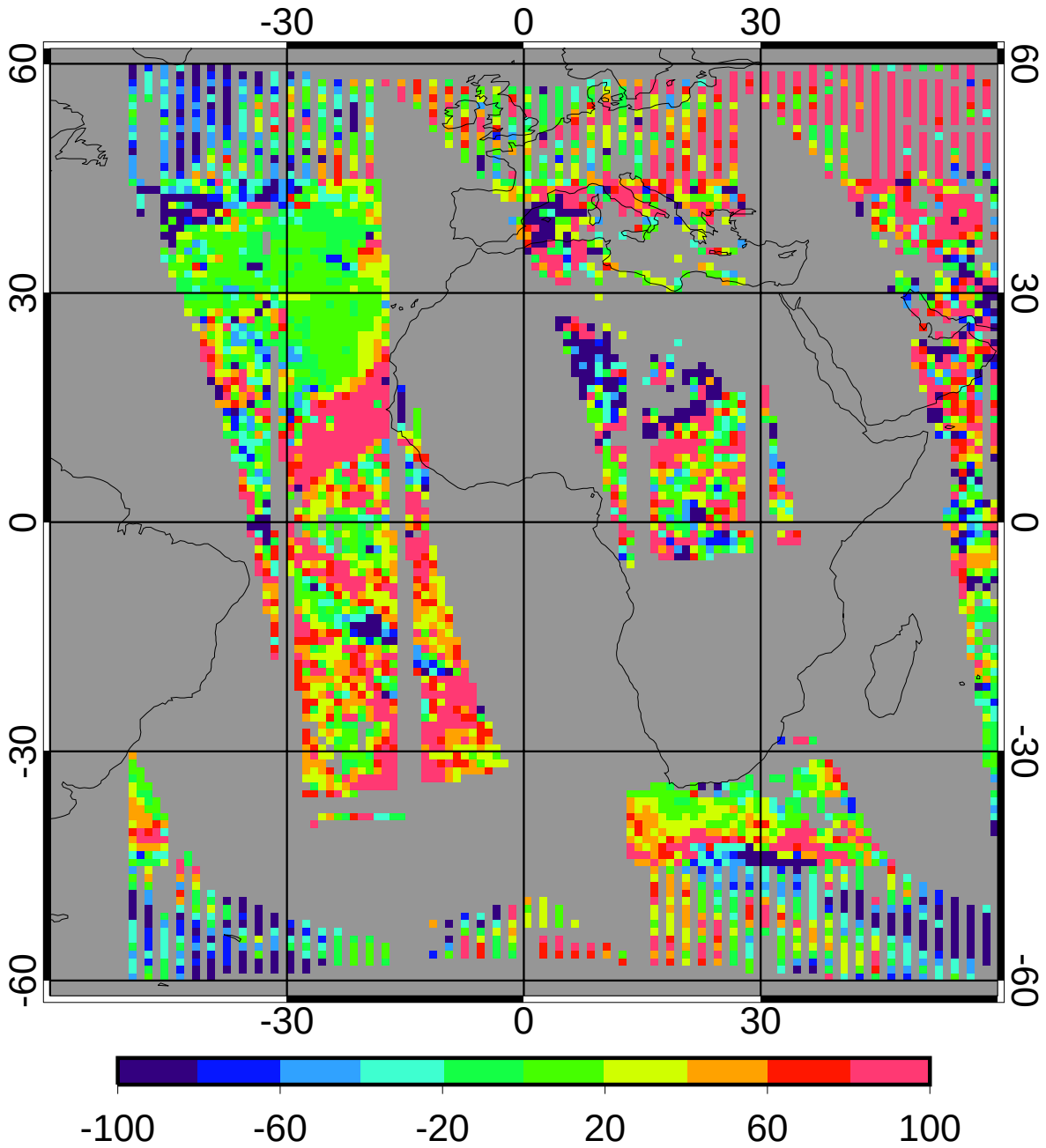
CERES/Terra MEAN Nighttime Cloud Eff Pressure (mb)

5ch_39cal Jul 2010



GGEO - CERES/Terra Nighttime Cloud Eff Pressure (mb) Bias

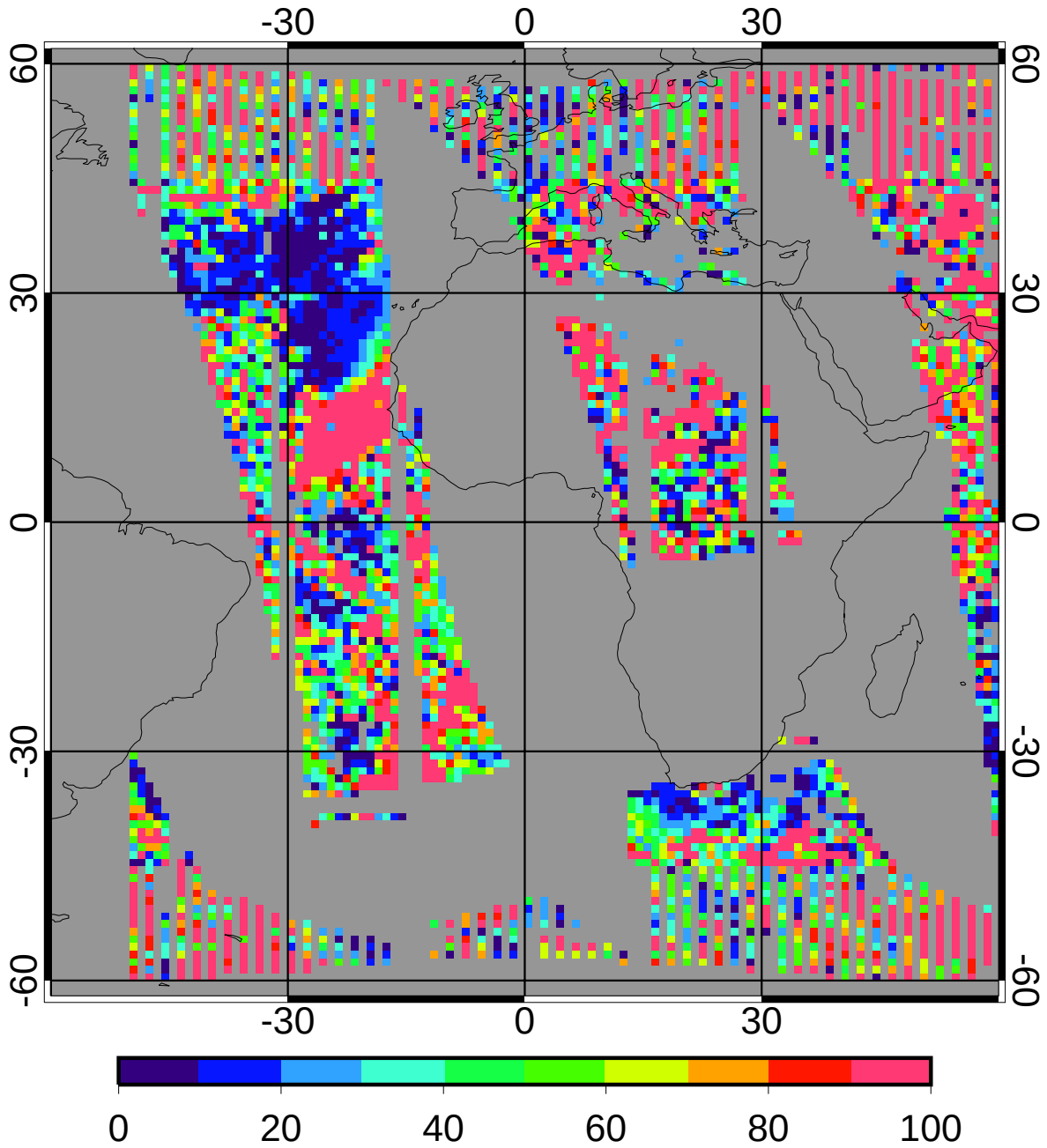
5ch_39cal Jul 2010



bias	25.97	4.48%
domain sigma	95.53	16.48%

GGEO - CERES/Terra Nighttime Cloud Eff Pressure (mb) RMS

5ch_39cal Jul 2010

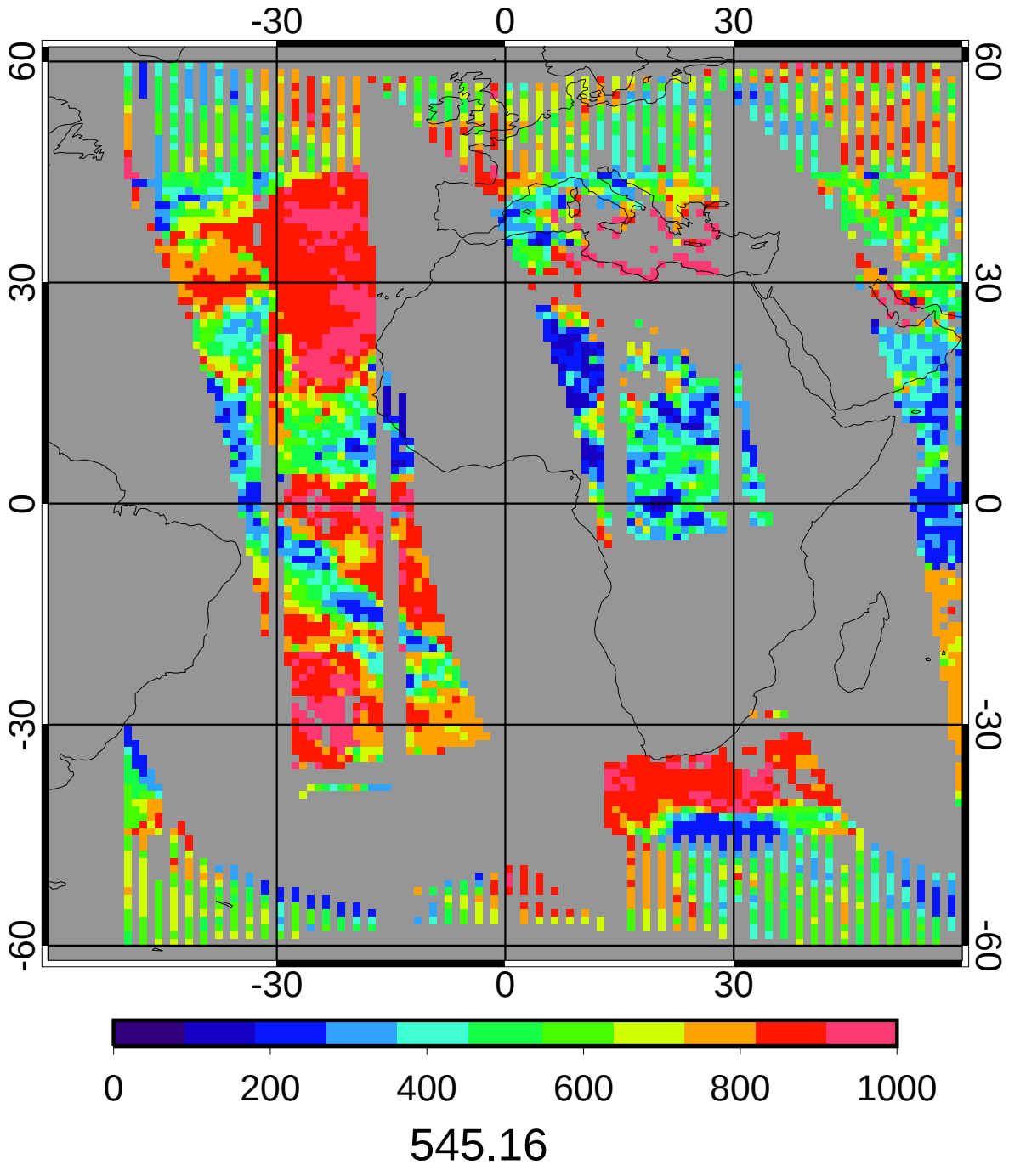


regave rms 71.33 12.31%

domain rms 107.30 18.52%

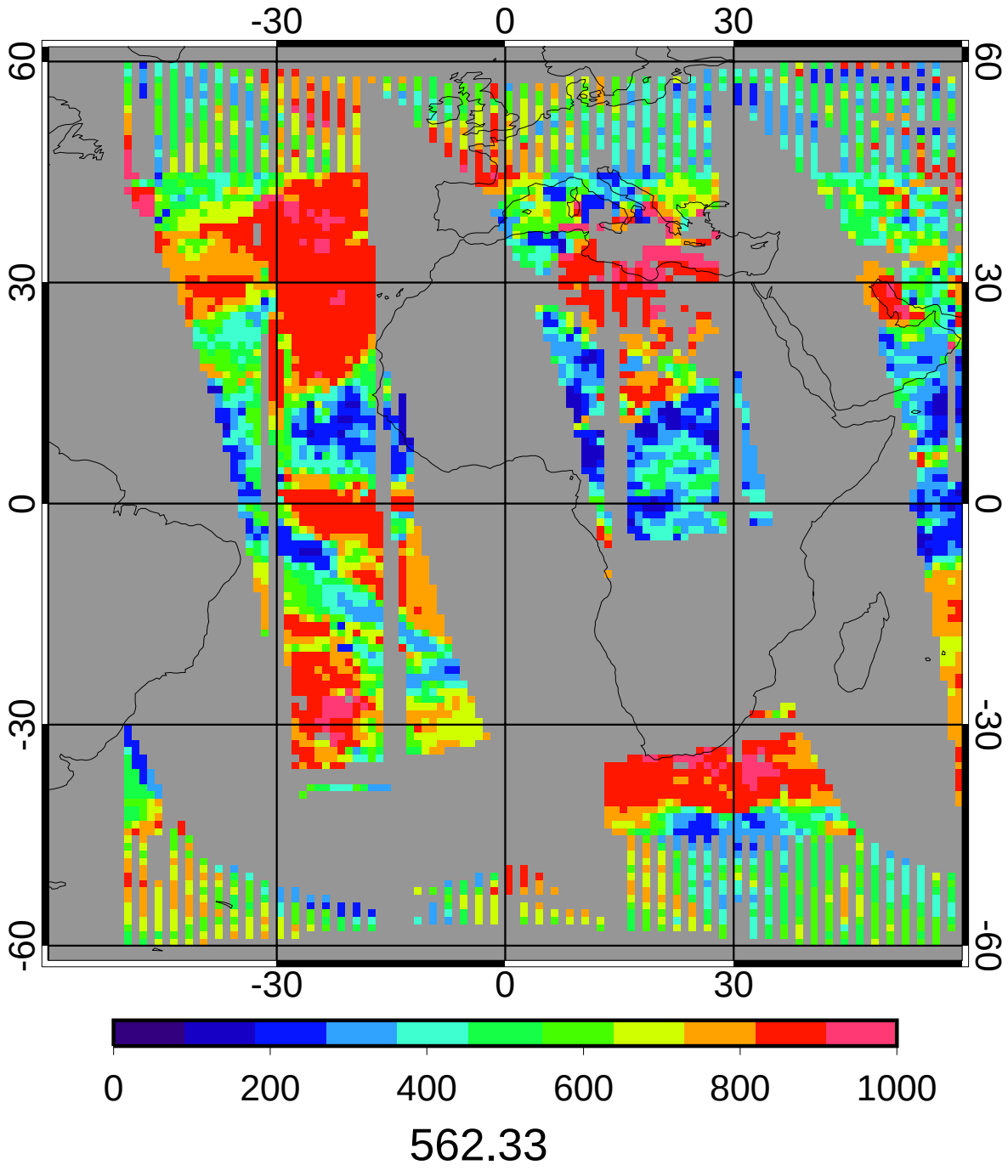
GGEO MEAN Nighttime Cloud Top Pressure (mb)

5ch_39cal Jul 2010



CERES/Terra MEAN Nighttime Cloud Top Pressure (mb)

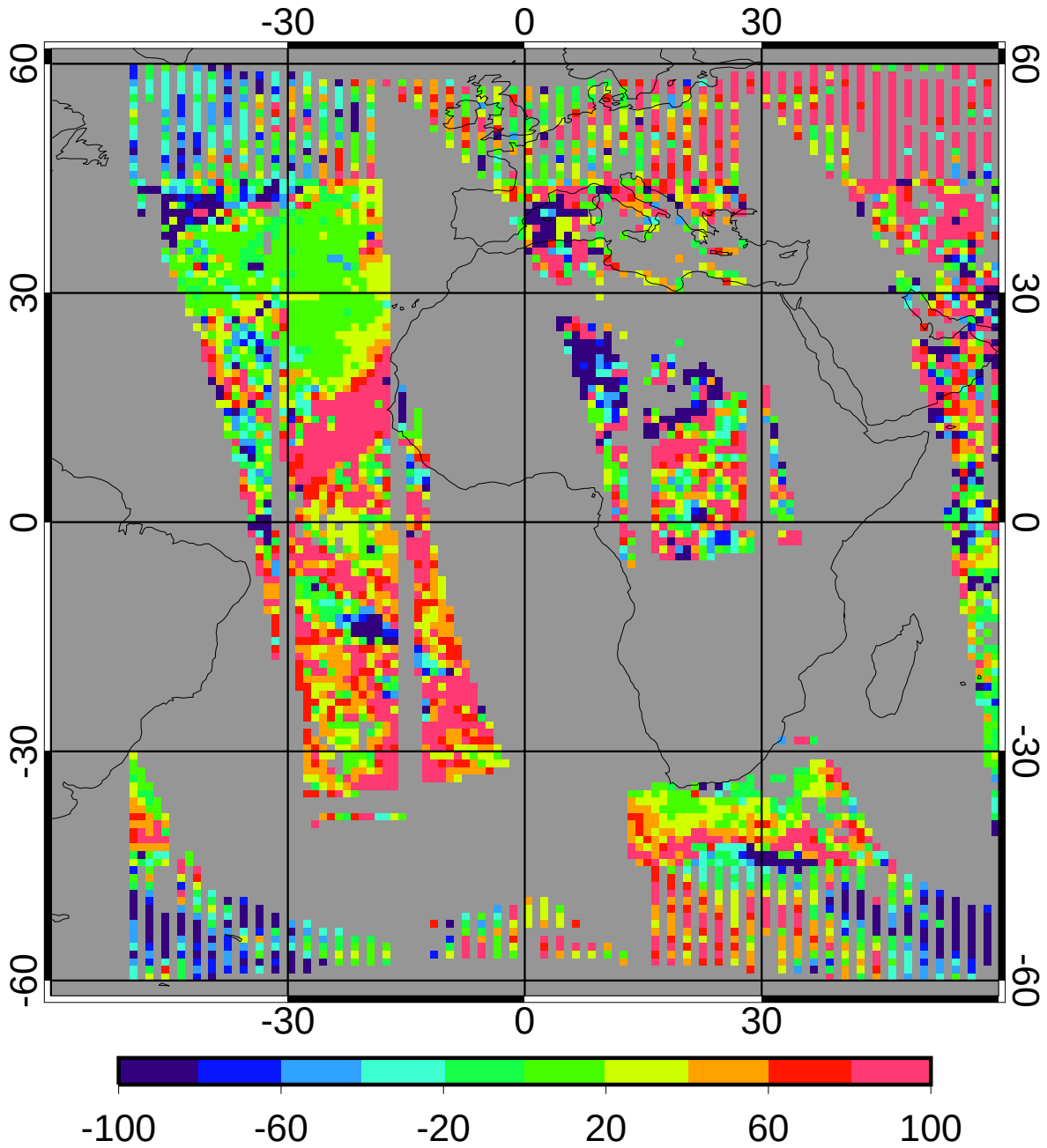
5ch_39cal Jul 2010



562.33

GGEO - CERES/Terra Nighttime Cloud Top Pressure (mb) Bias

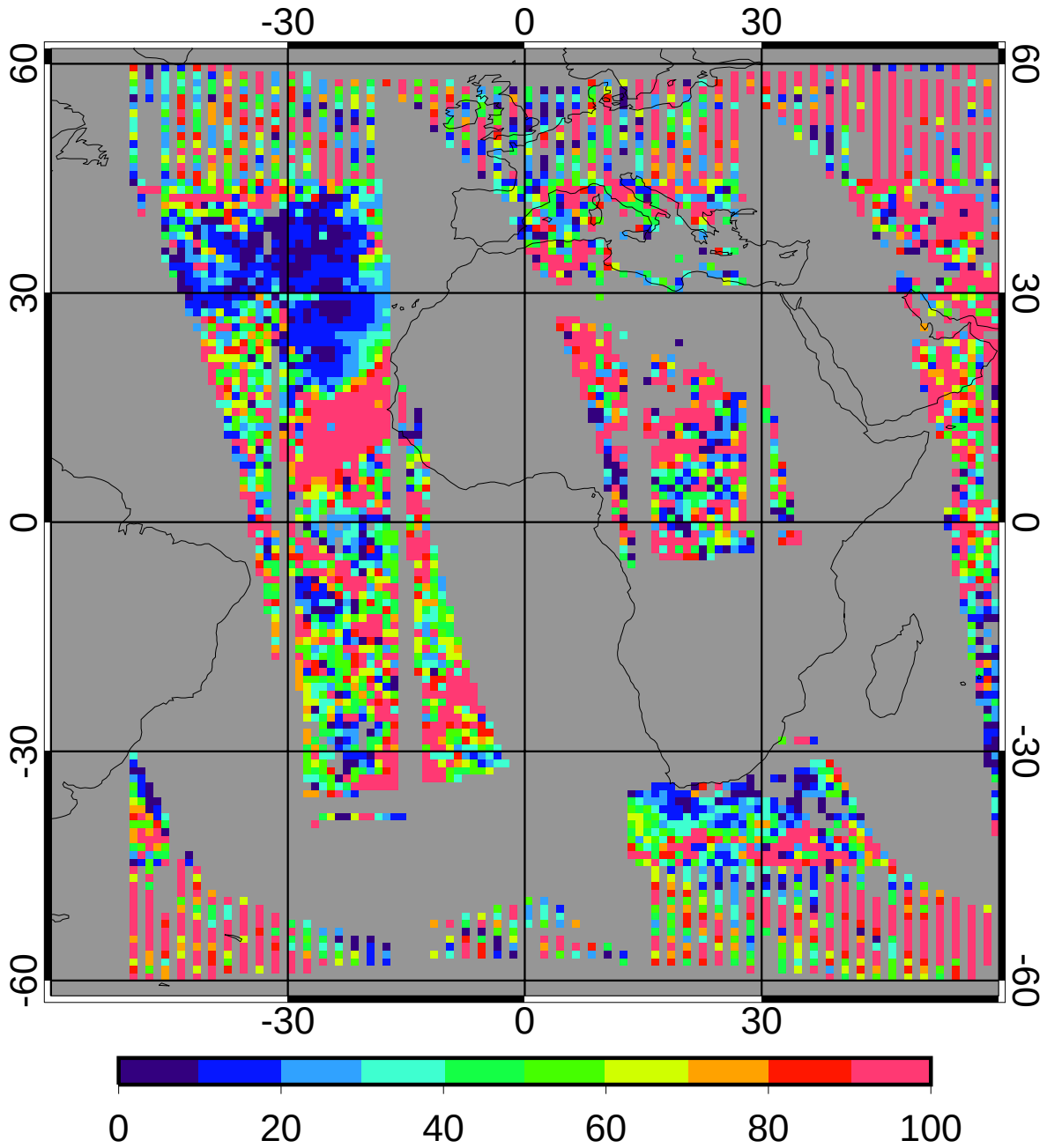
5ch_39cal Jul 2010



bias	30.74	5.47%
domain sigma	96.33	17.13%

GGEO - CERES/Terra Nighttime Cloud Top Pressure (mb) RMS

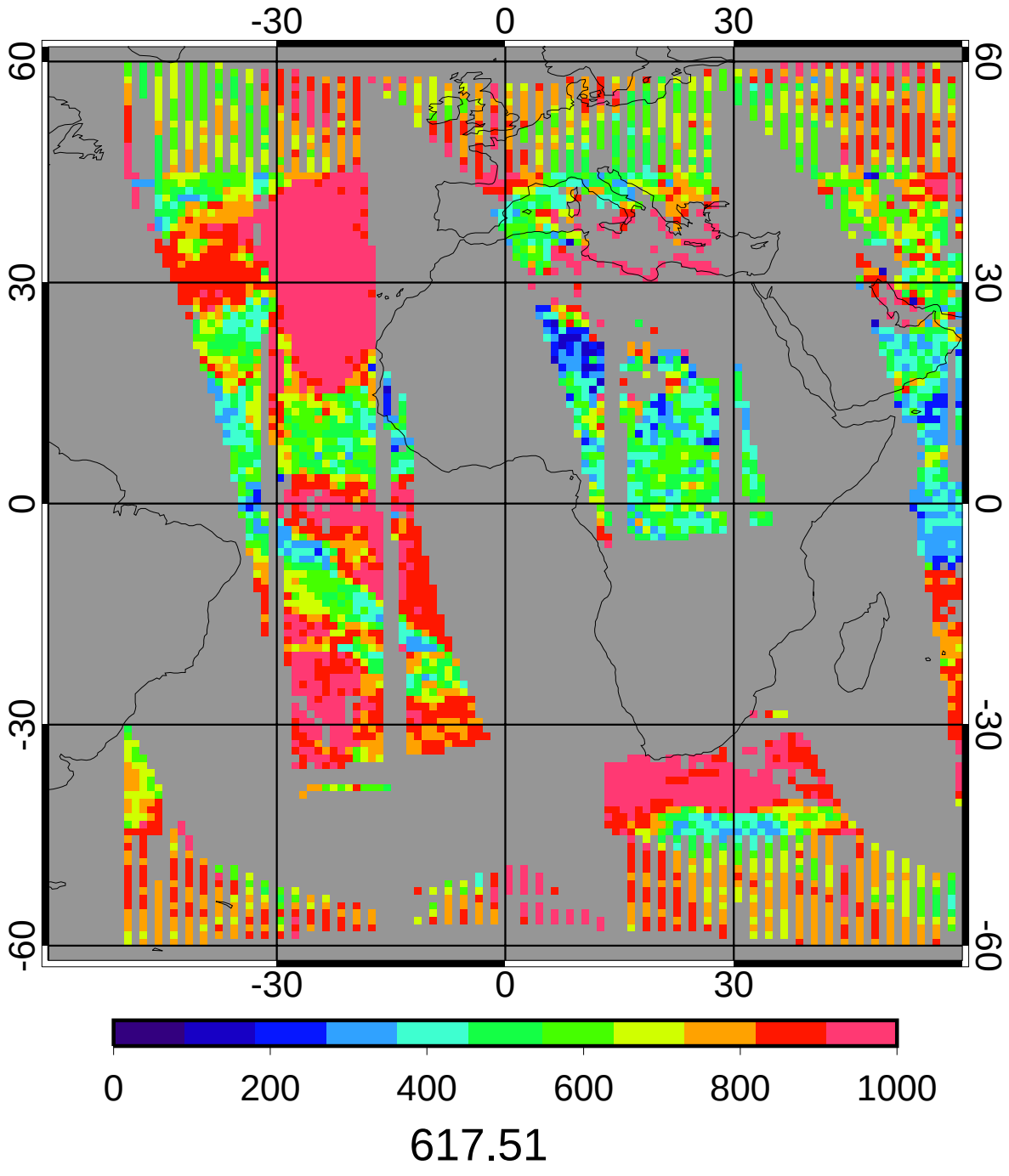
5ch_39cal Jul 2010



regave rms	73.66	13.10%
domain rms	108.57	19.31%

GGEO MEAN Nighttime Cloud Base Pressure (mb)

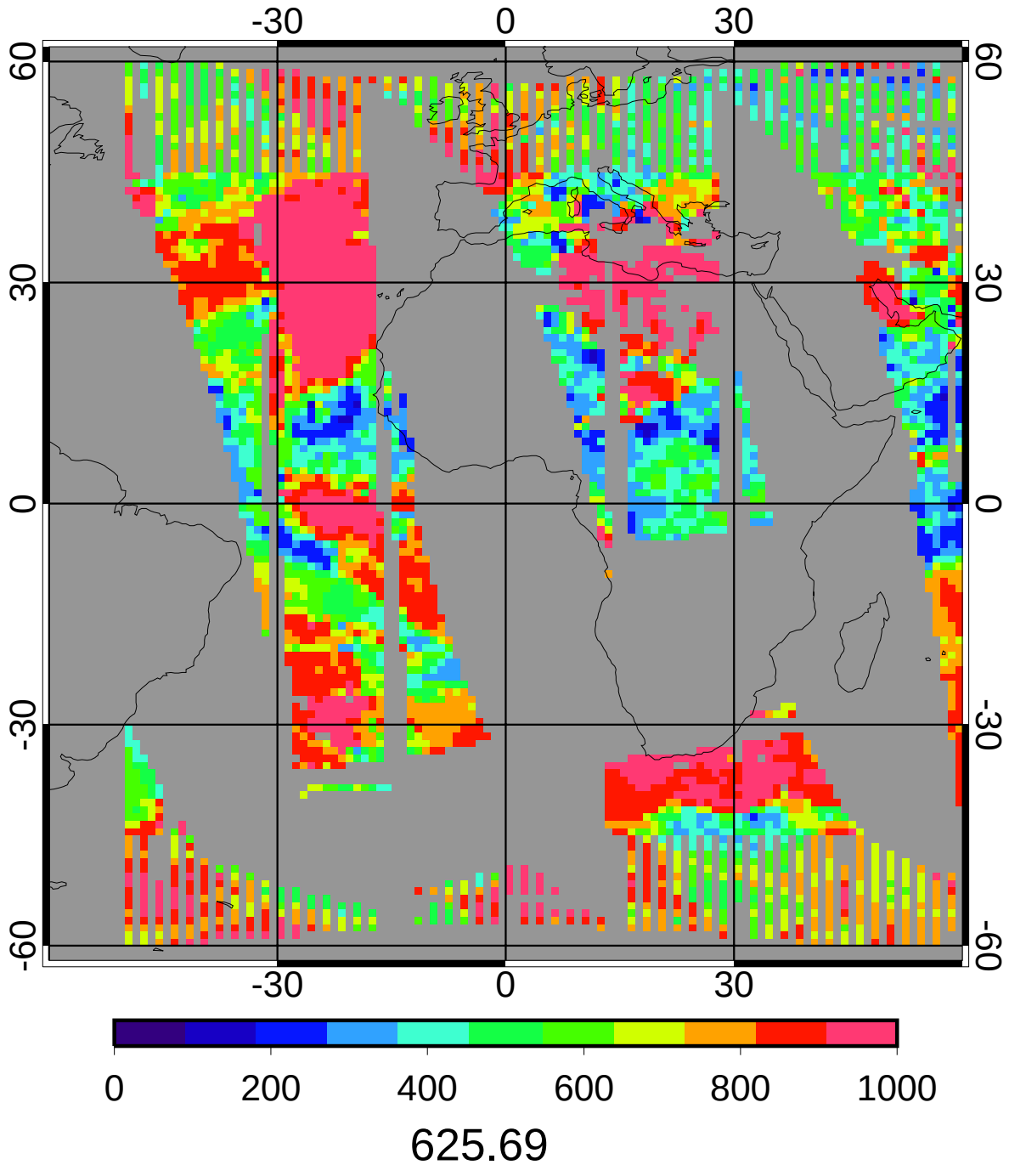
5ch_39cal Jul 2010



617.51

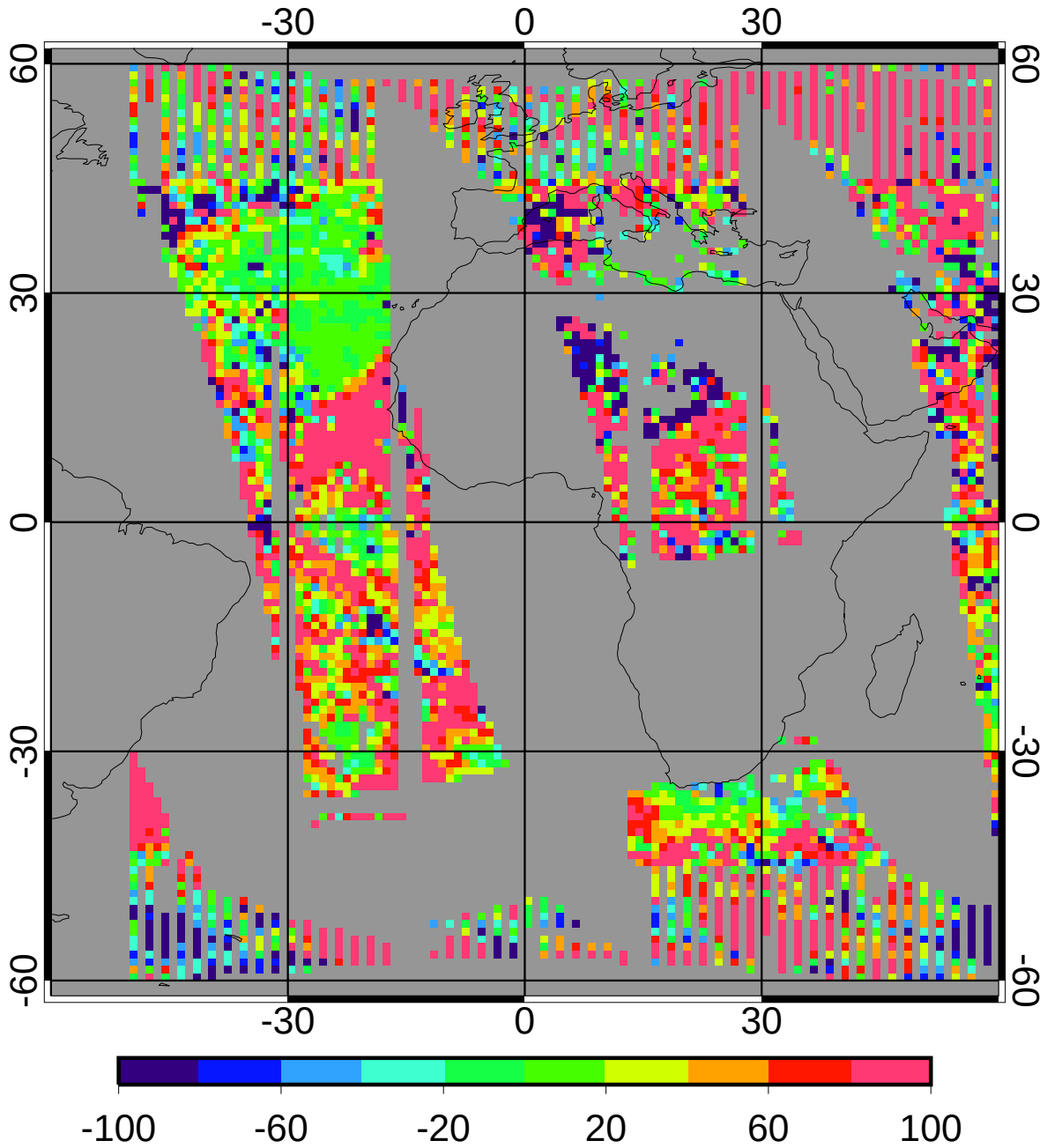
CERES/Terra MEAN Nighttime Cloud Base Pressure (mb)

5ch_39cal Jul 2010



GGEO - CERES/Terra Nighttime Cloud Base Pressure (mb) Bias

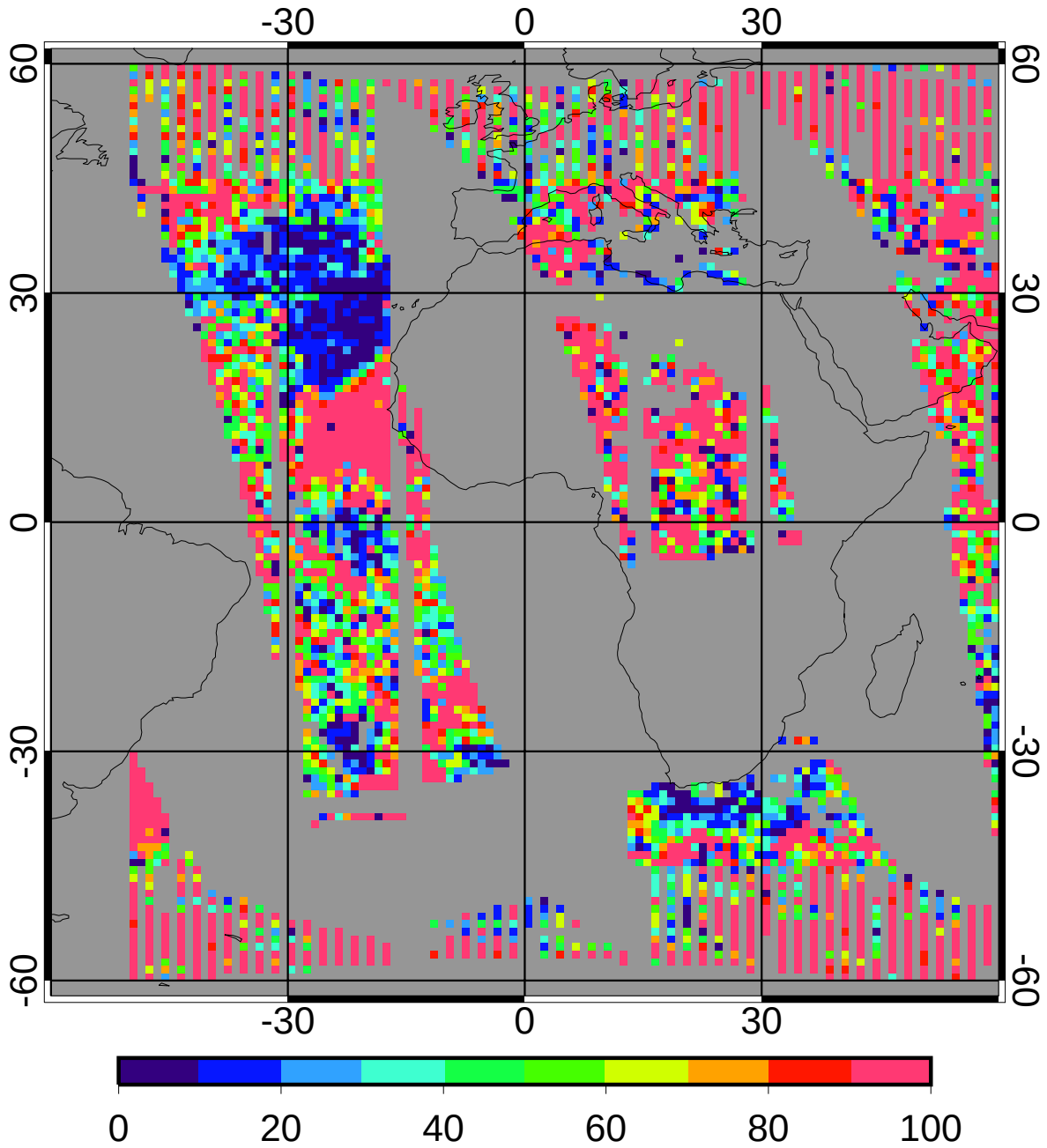
5ch_39cal Jul 2010



bias	42.68	6.82%
domain sigma	100.55	16.07%

GGEO - CERES/Terra Nighttime Cloud Base Pressure (mb) RMS

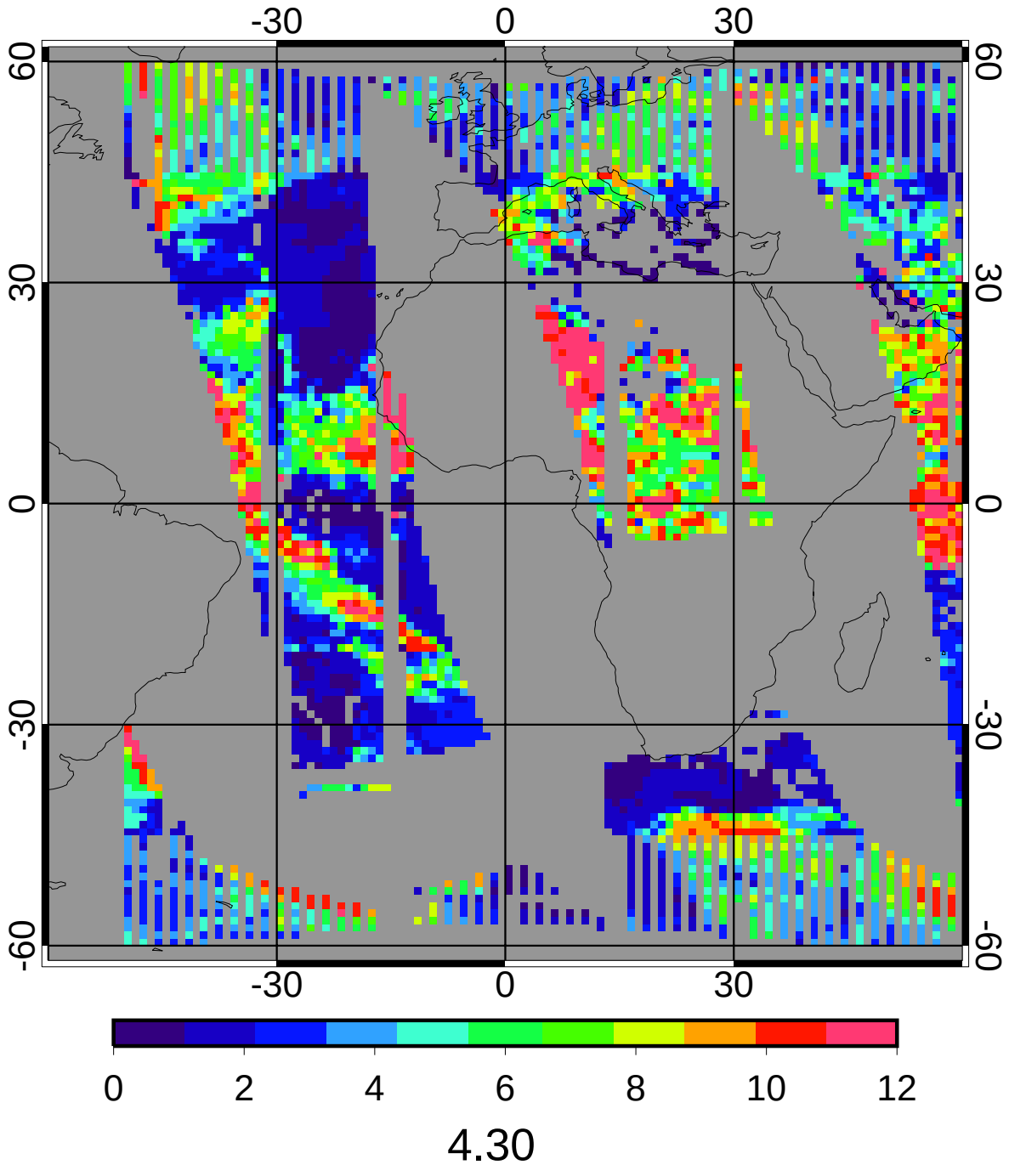
5ch_39cal Jul 2010



regave rms	84.23	13.46%
domain rms	119.56	19.11%

GGEO MEAN Nighttime Cloud Eff Height (km)

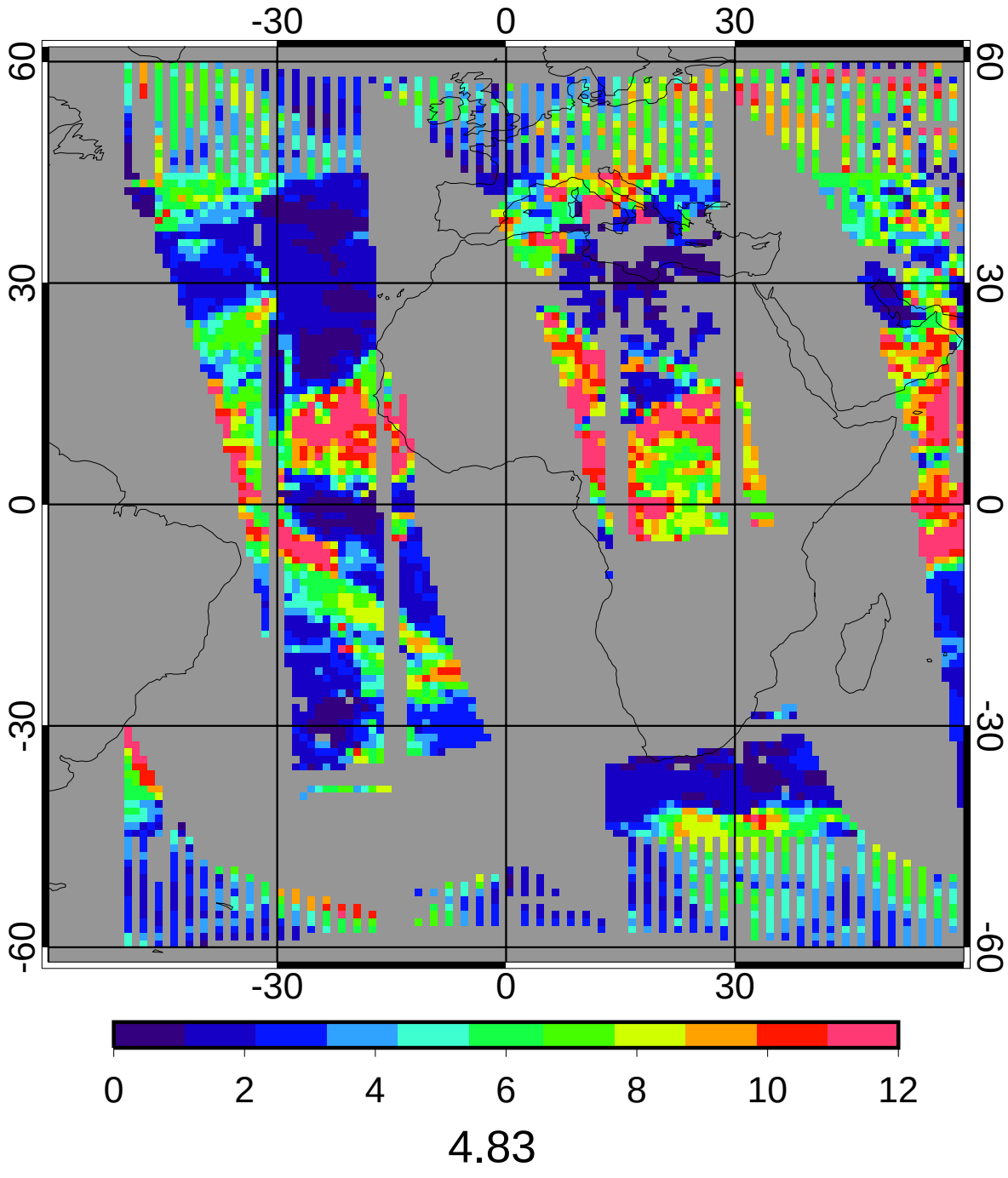
5ch_39cal Jul 2010



4.30

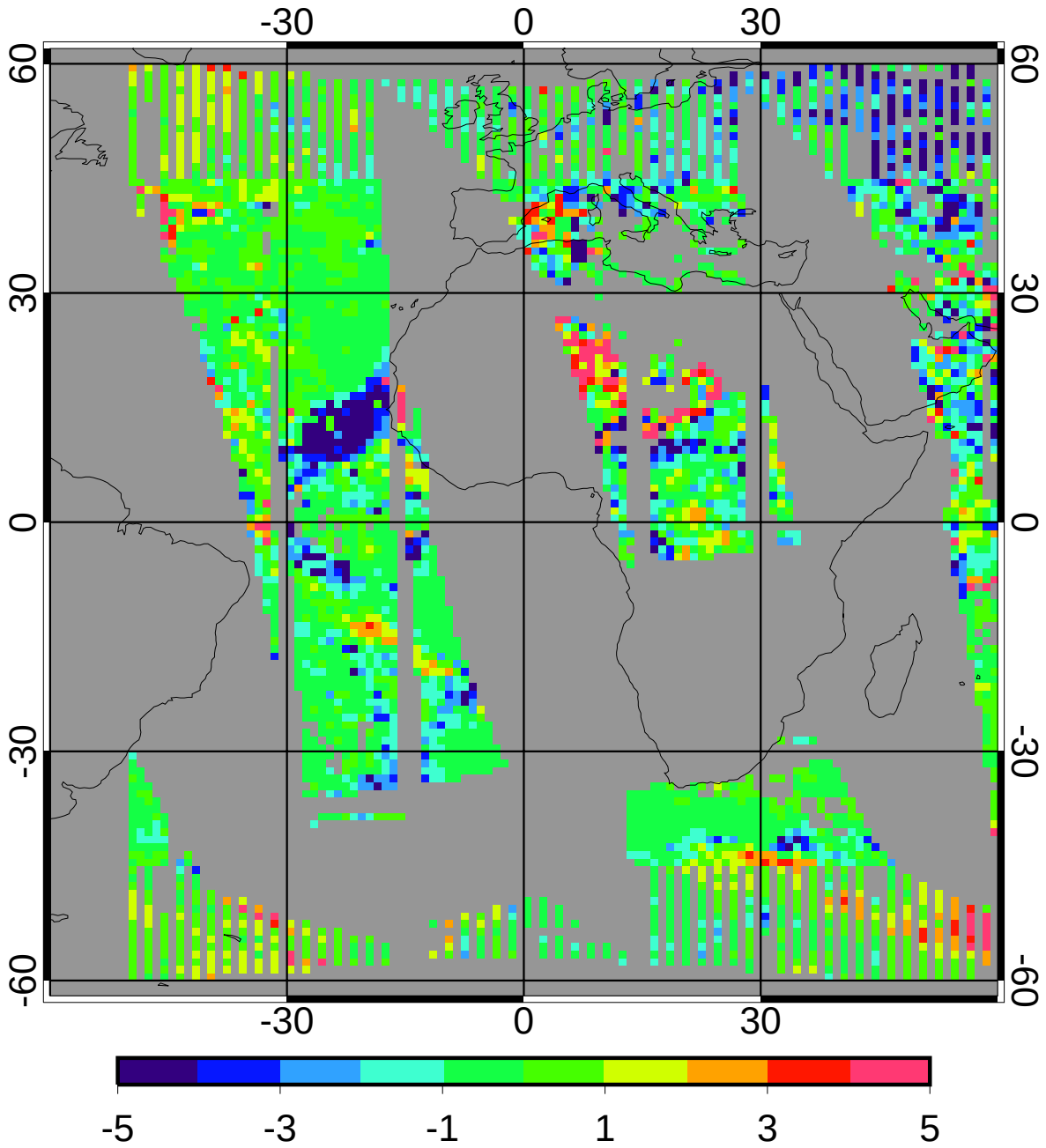
CERES/Terra MEAN Nighttime Cloud Eff Height (km)

5ch_39cal Jul 2010



GGEO - CERES/Terra Nighttime Cloud Eff Height (km) Bias

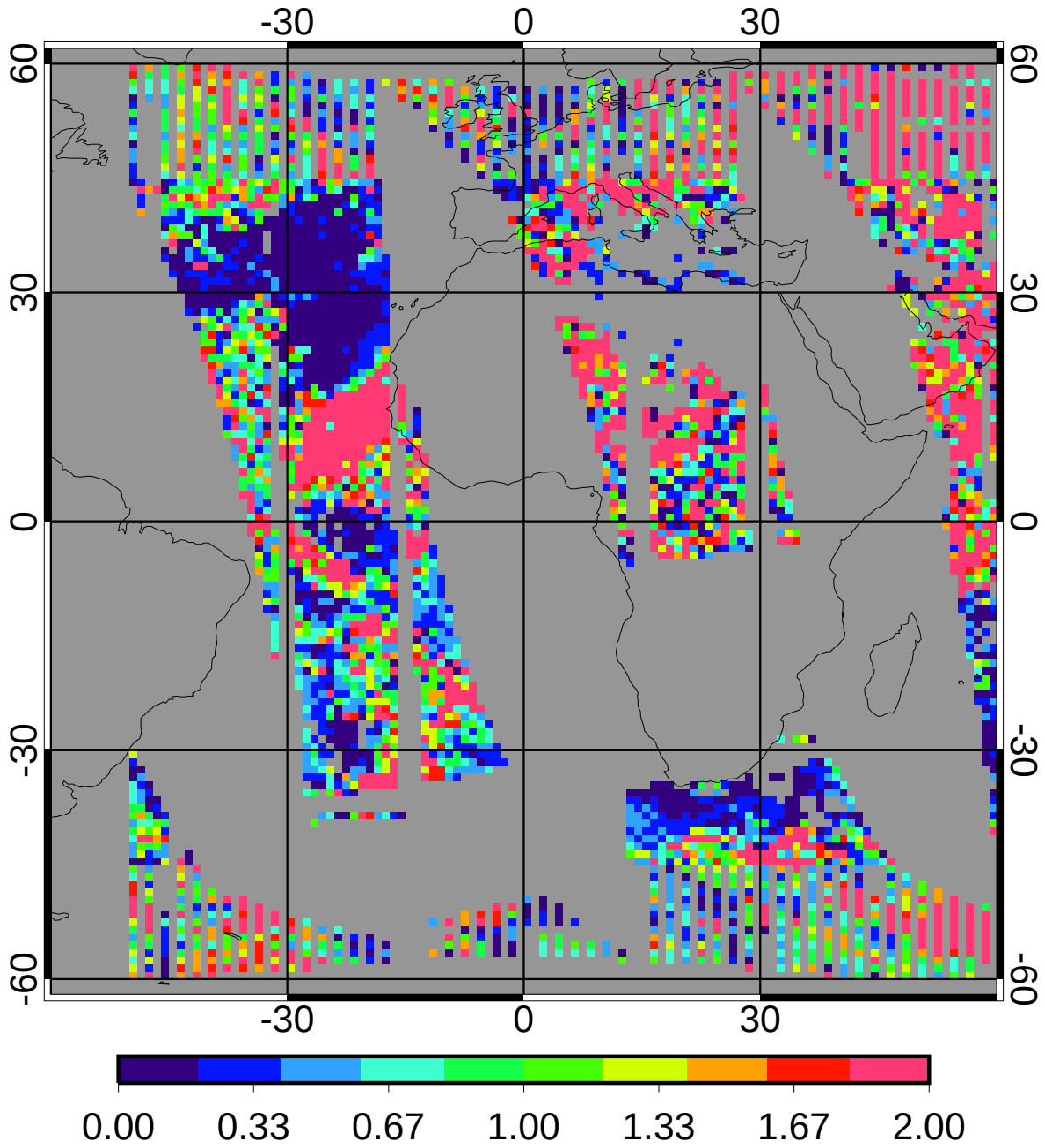
5ch_39cal Jul 2010



bias	-0.41	-8.47%
domain sigma	1.72	35.67%

GGEO - CERES/Terra Nighttime Cloud Eff Height (km) RMS

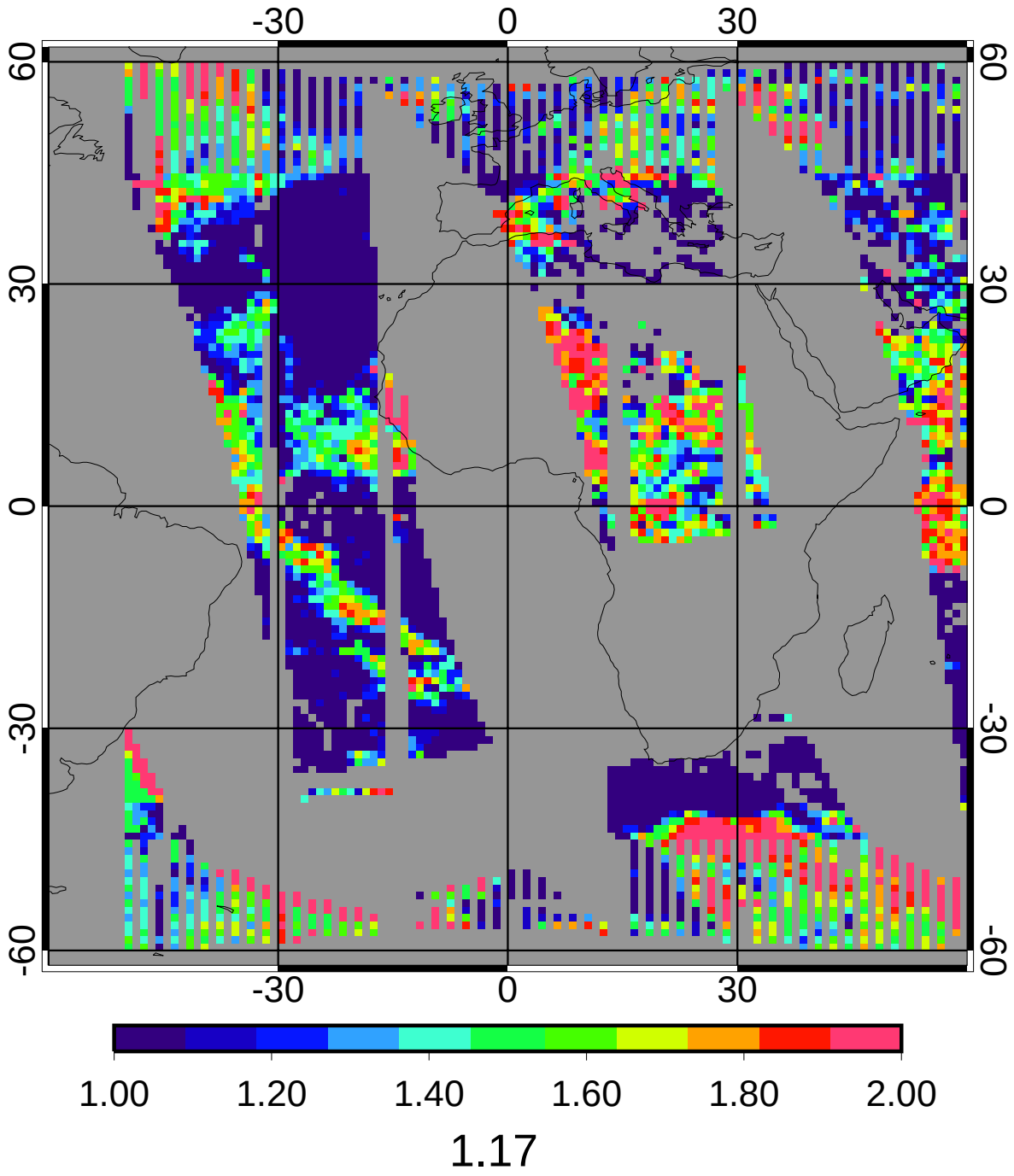
5ch_39cal Jul 2010



regave rms	1.23	25.38%
domain rms	1.90	39.32%

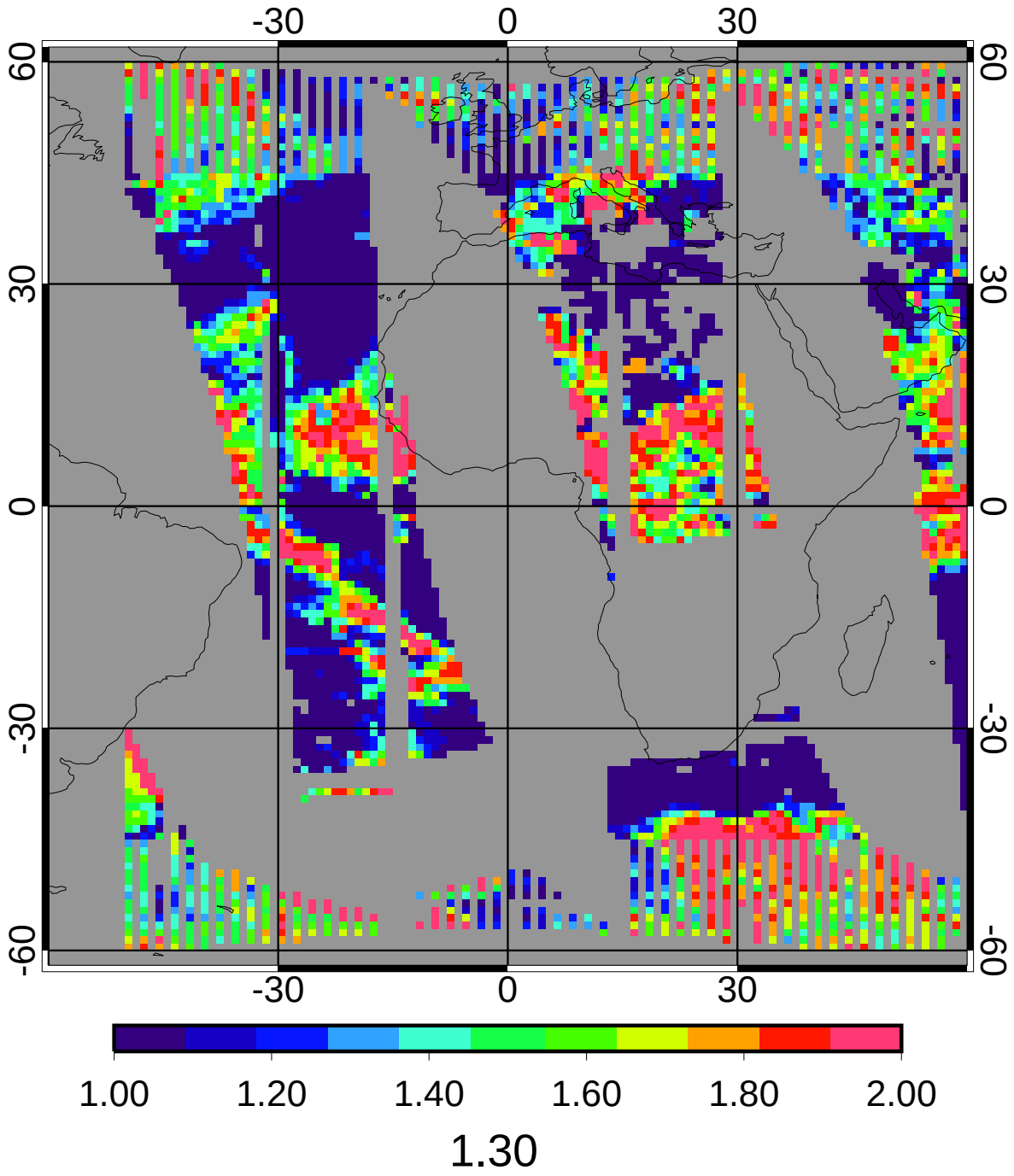
GGEO MEAN Nighttime Cloud Phase

5ch_39cal Jul 2010



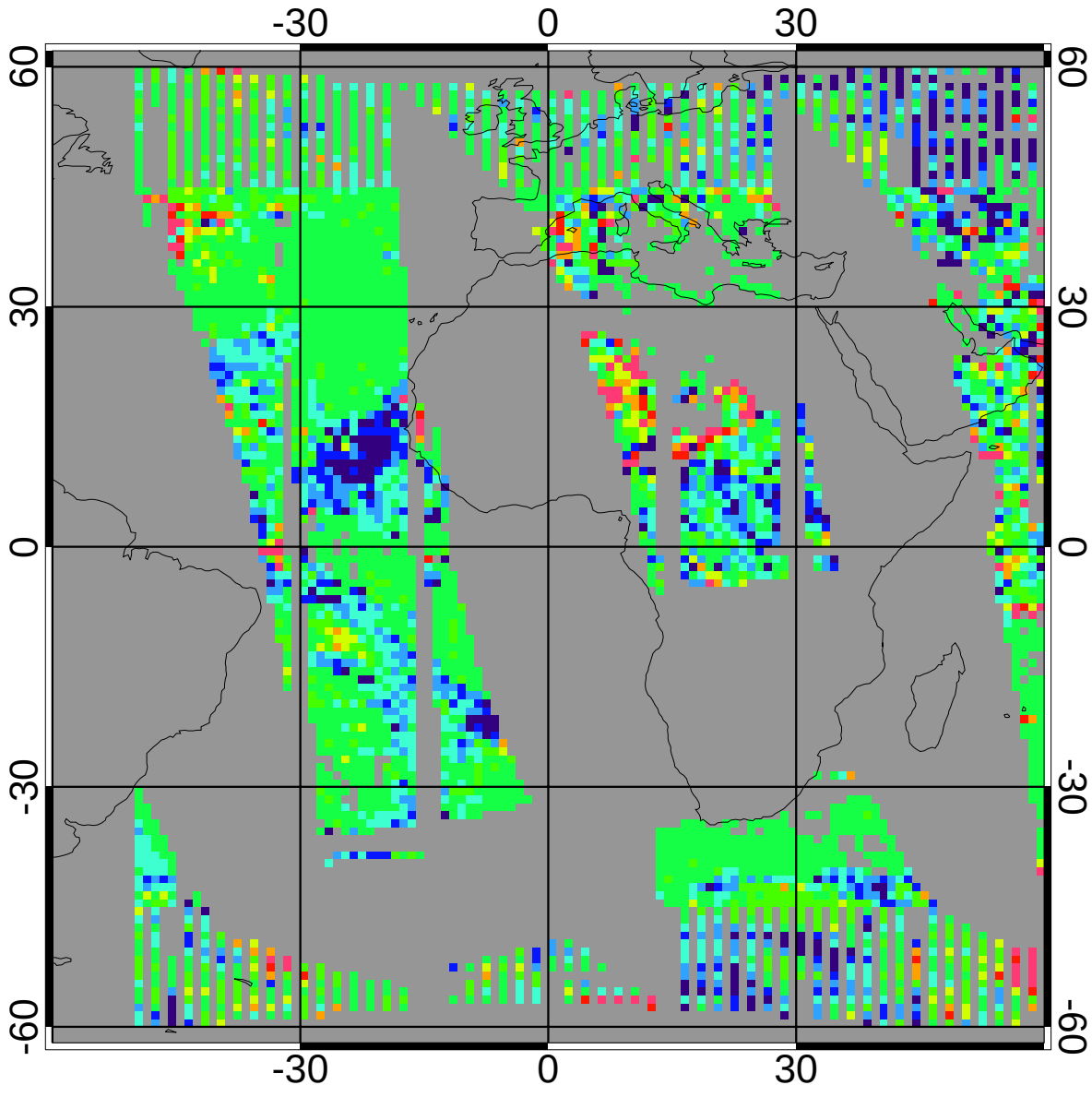
CERES/Terra MEAN Nighttime Cloud Phase

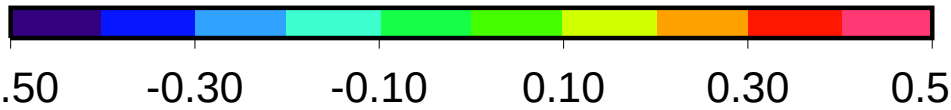
5ch_39cal Jul 2010



GGEO - CERES/Terra Nighttime Cloud Phase Bias

5ch_39cal Jul 2010

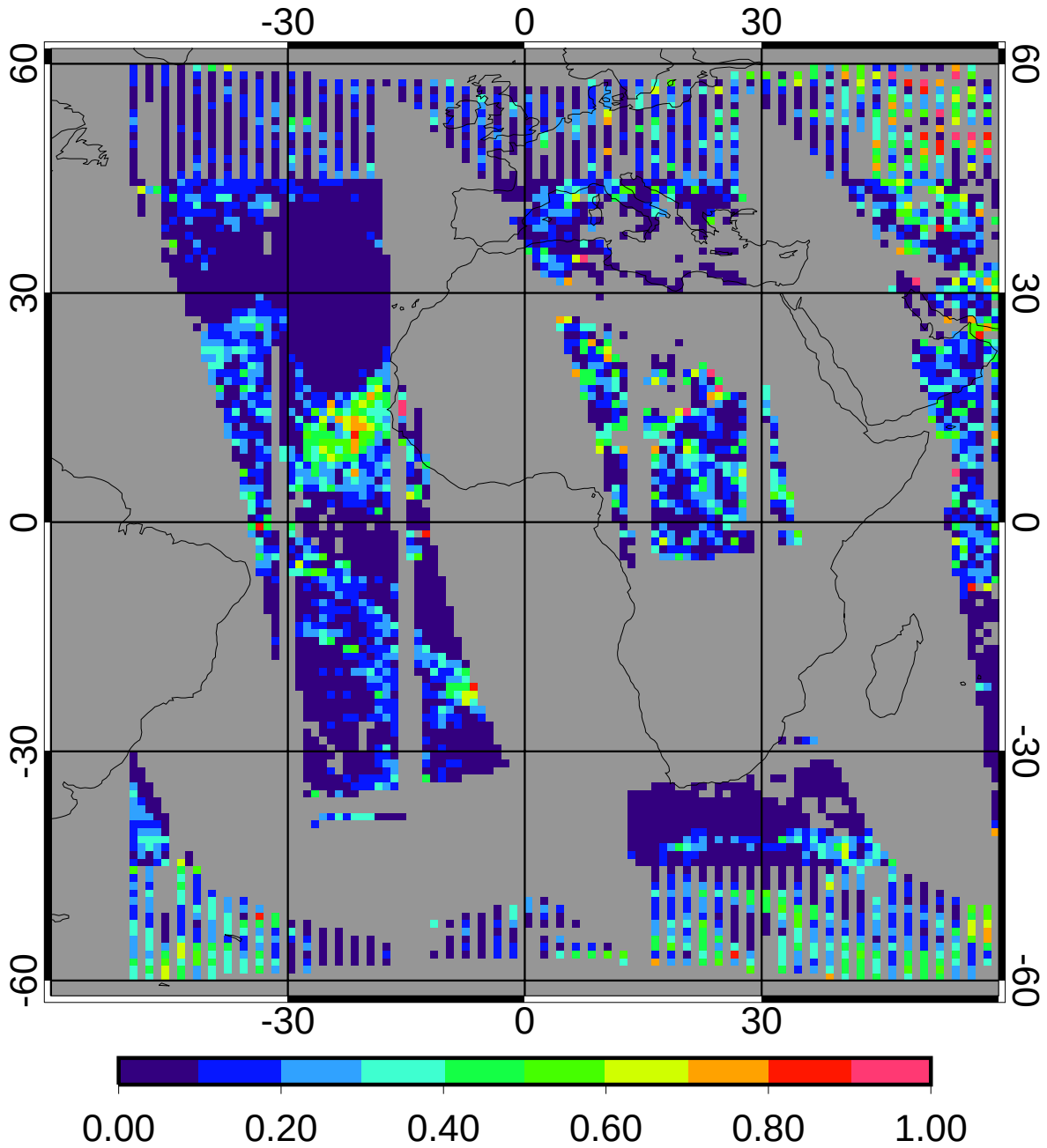




bias	-0.06	-4.88%
domain sigma	0.17	12.96%

GGEO - CERES/Terra Nighttime Cloud Phase RMS

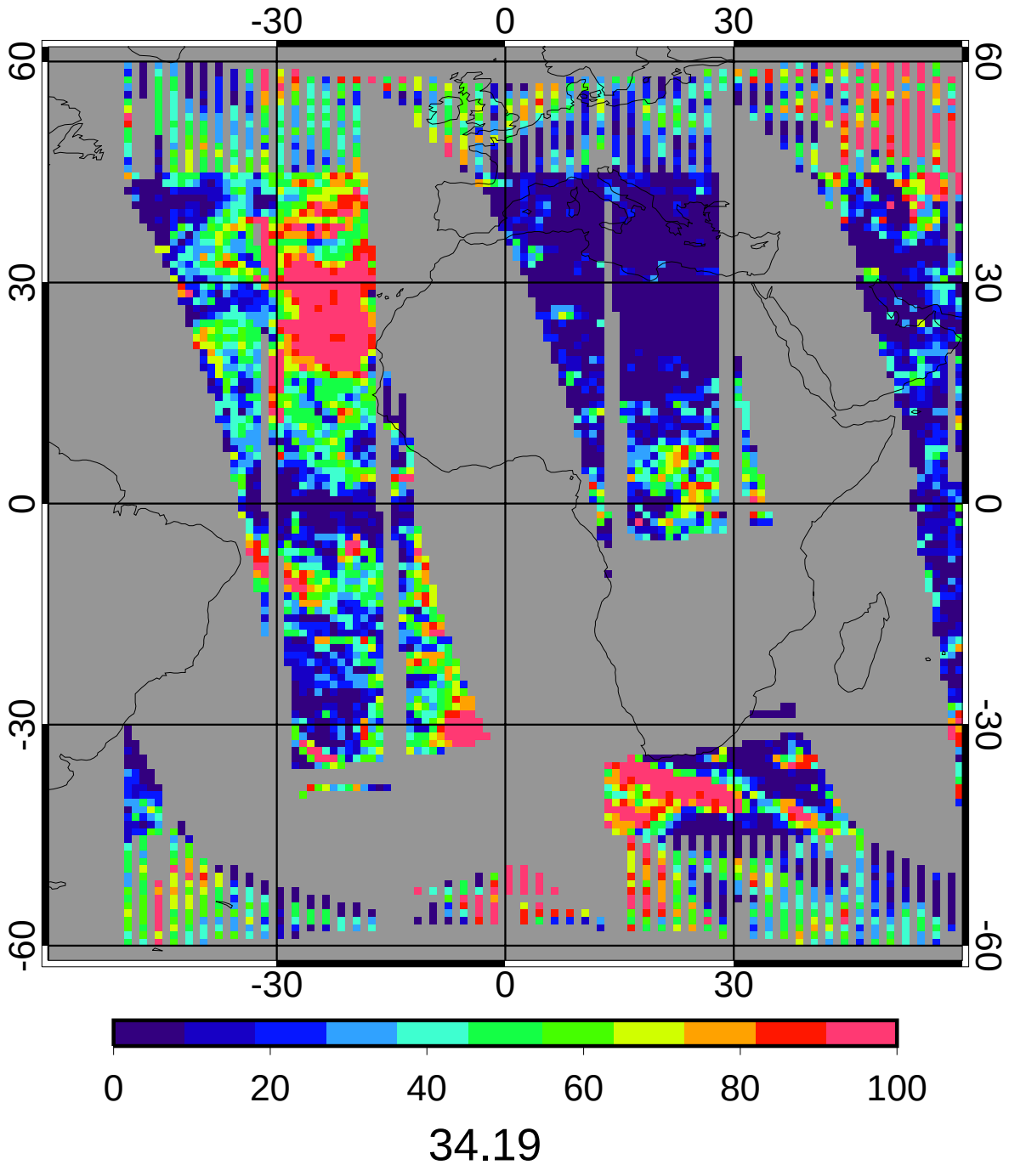
5ch_39cal Jul 2010



regave rms	0.13	10.12%
domain rms	0.21	15.89%

GGEO MEAN Nighttime Liquid Cld Amt (%)

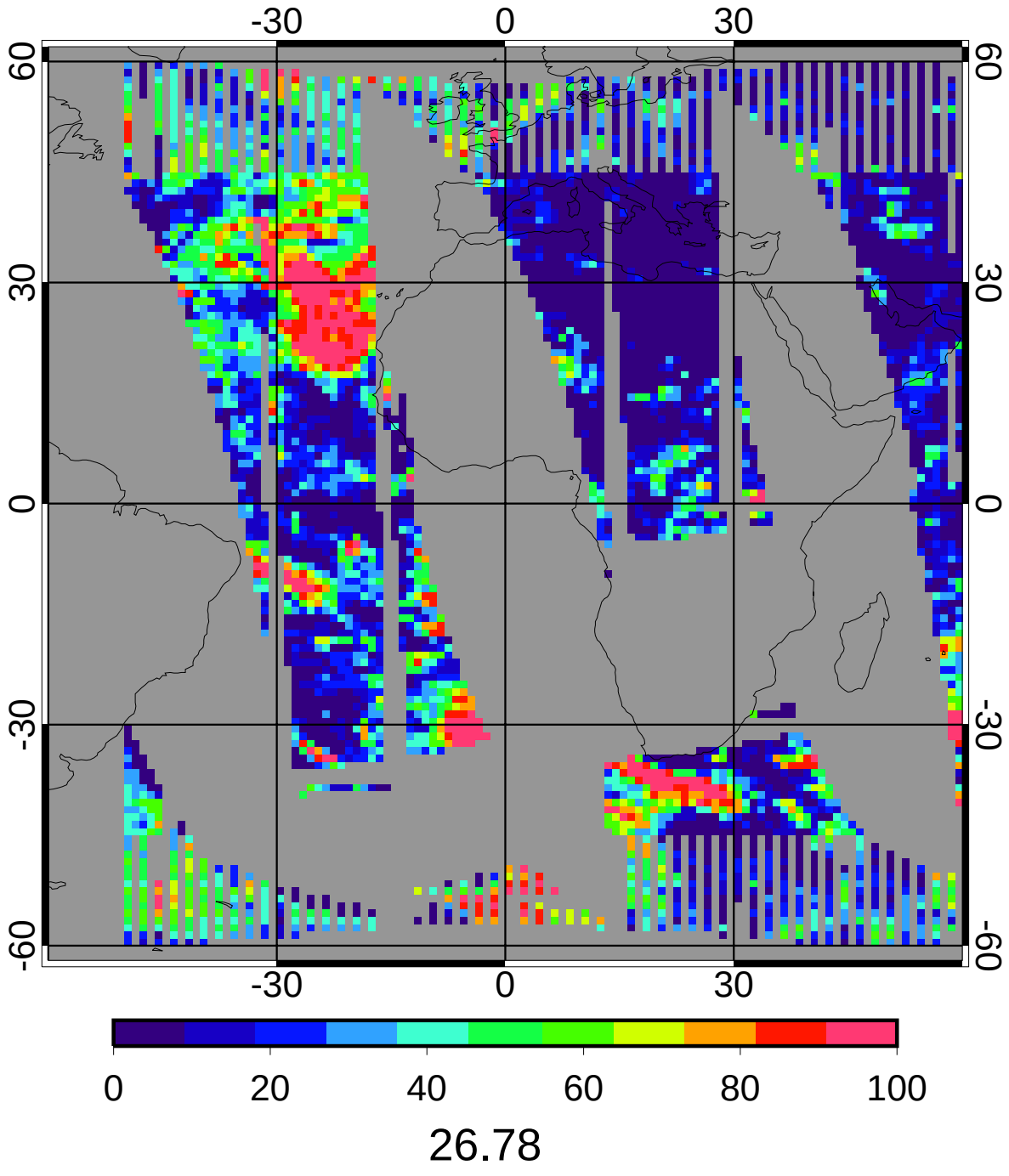
5ch_39cal Jul 2010



34.19

CERES/Terra MEAN Nighttime Liquid Cld Amt (%)

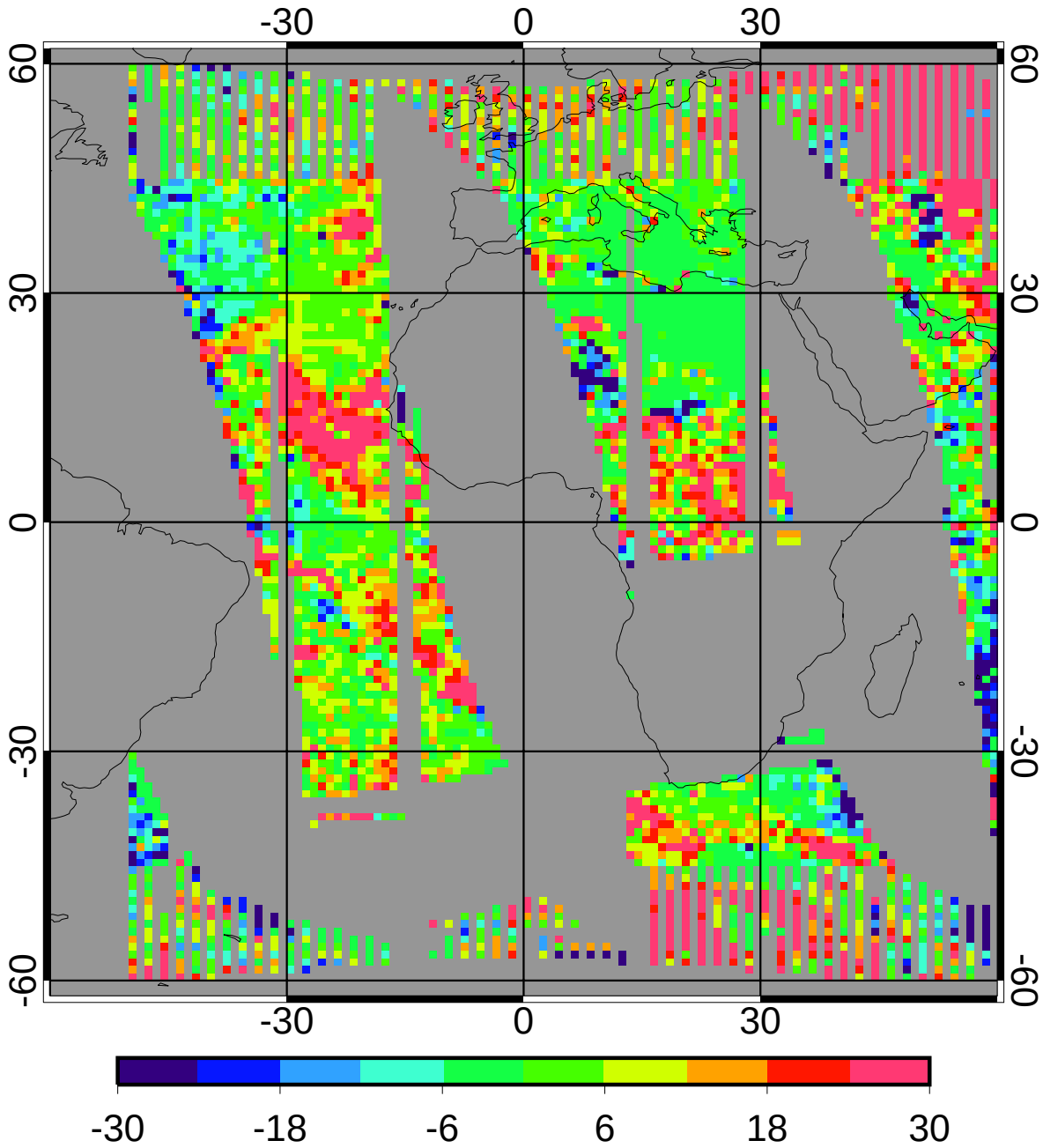
5ch_39cal Jul 2010



26.78

GGEO - CERES/Terra Nighttime Liquid Cld Amt (%) Bias

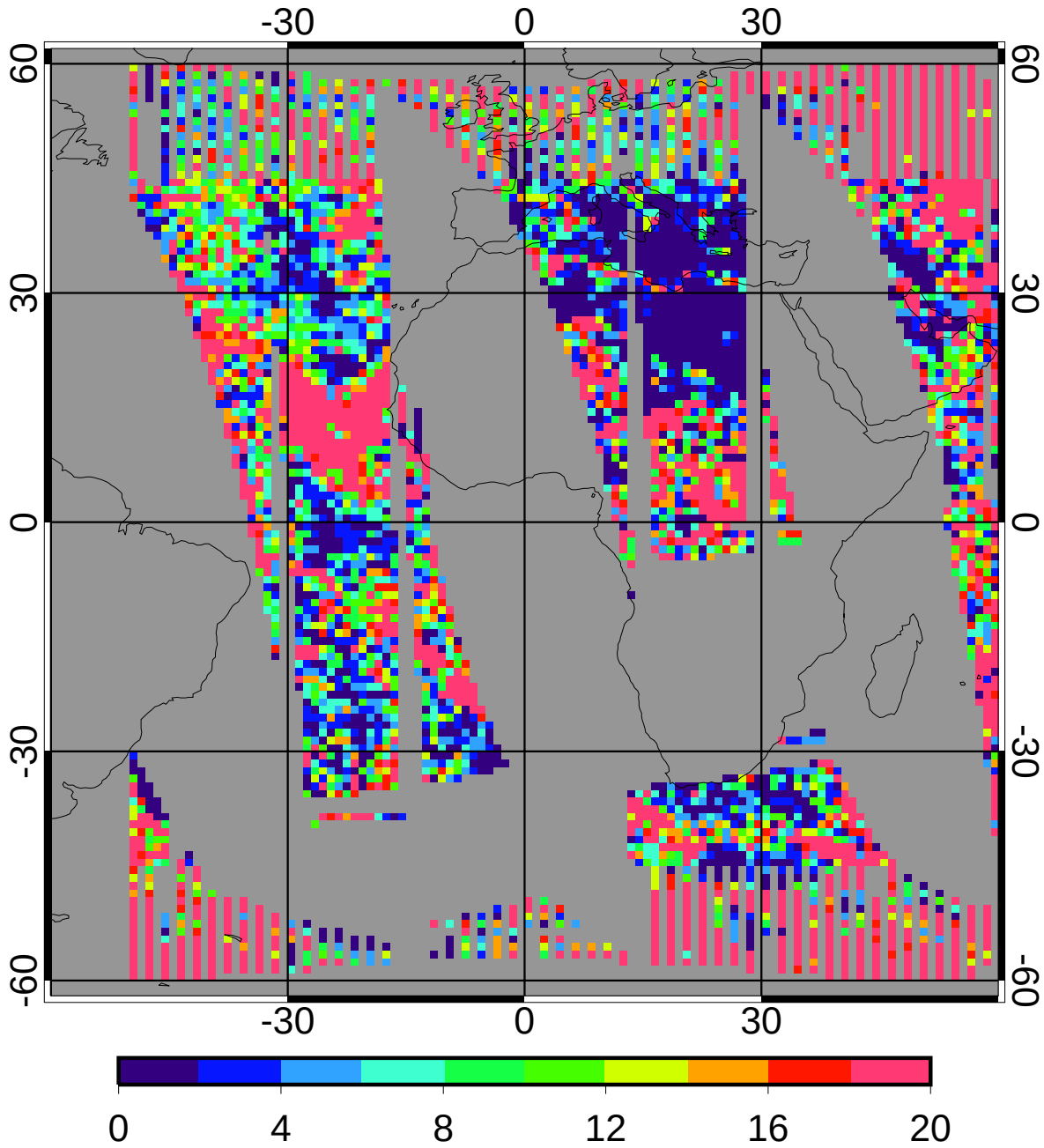
5ch_39cal Jul 2010



bias	7.41	27.69%
domain sigma	15.81	59.06%

GGEO - CERES/Terra Nighttime Liquid Cld Amt (%) RMS

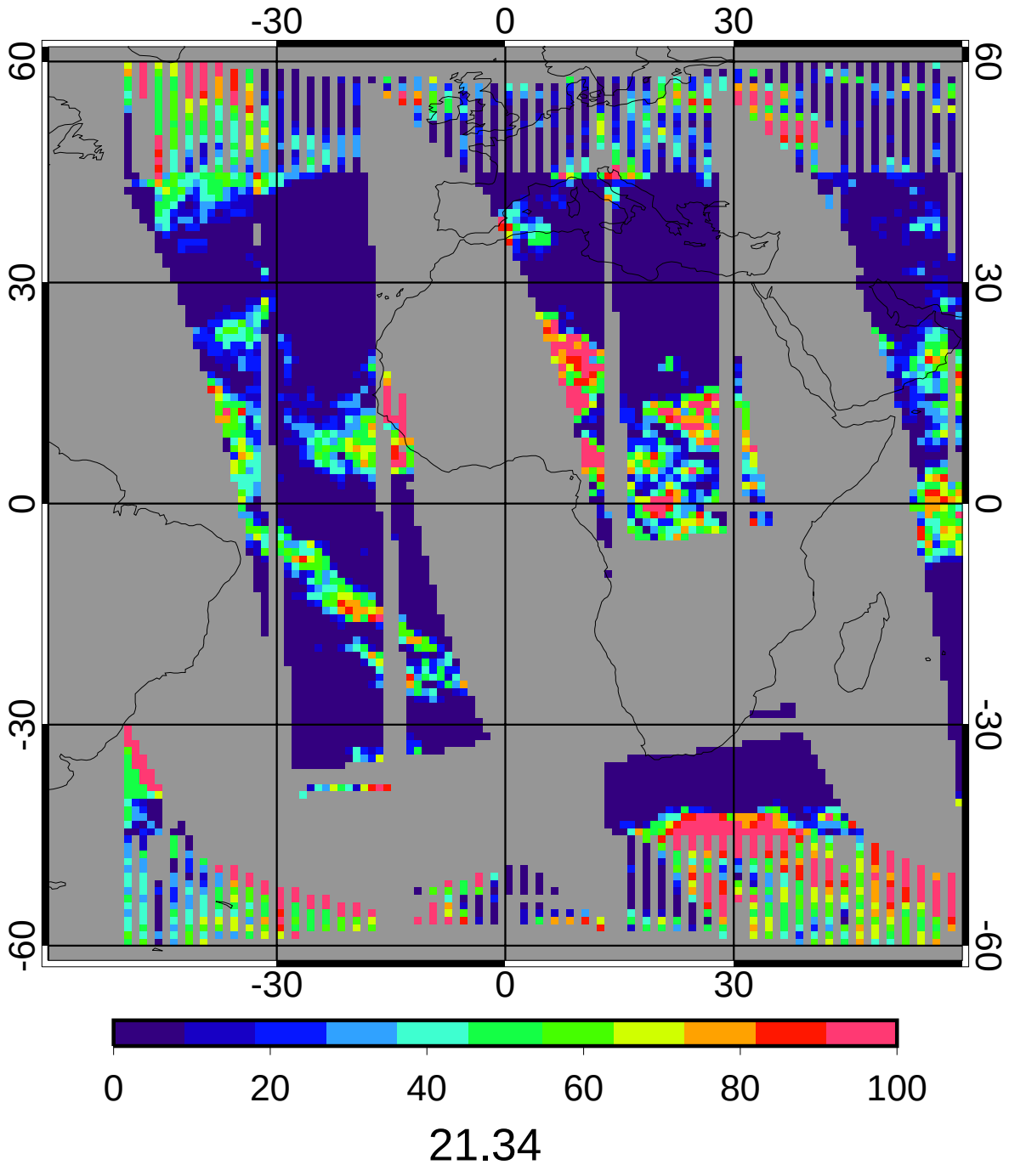
5ch_39cal Jul 2010



regave rms	14.94	55.80%
domain rms	20.21	75.49%

GGEO MEAN Nighttime Ice Cld Amt (%)

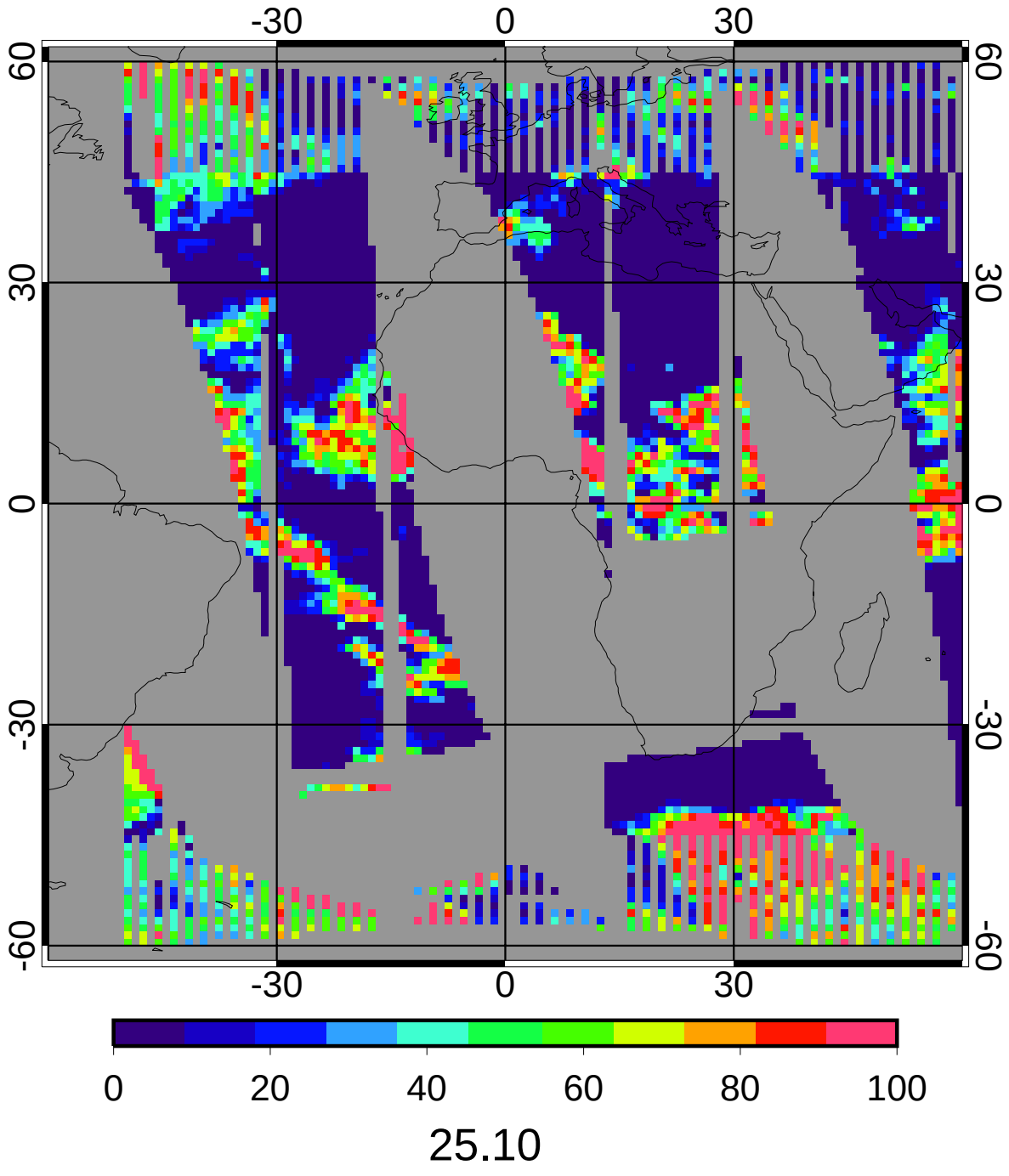
5ch_39cal Jul 2010



21.34

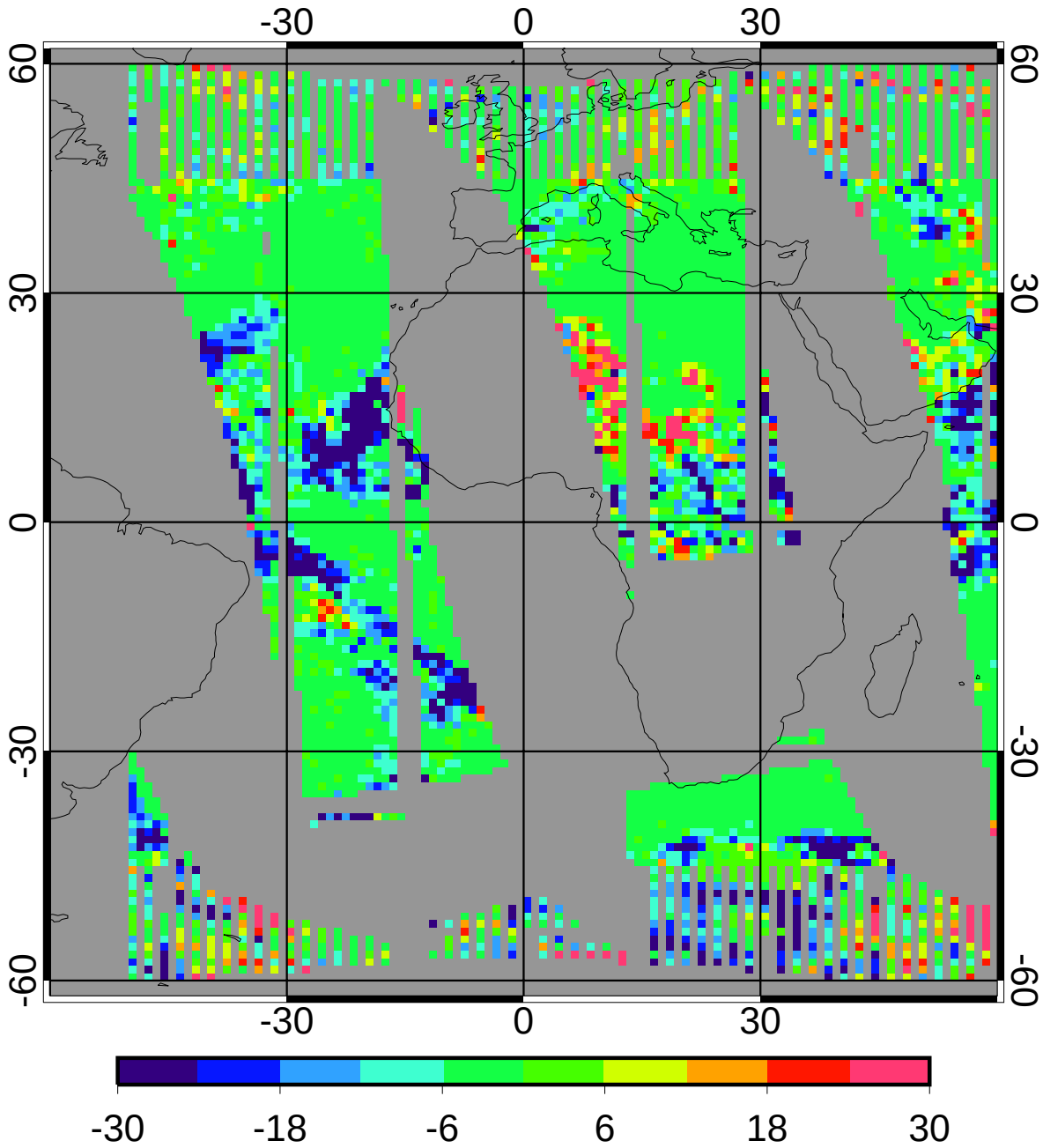
CERES/Terra MEAN Nighttime Ice Cld Amt (%)

5ch_39cal Jul 2010



GGEO - CERES/Terra Nighttime Ice Cld Amt (%) Bias

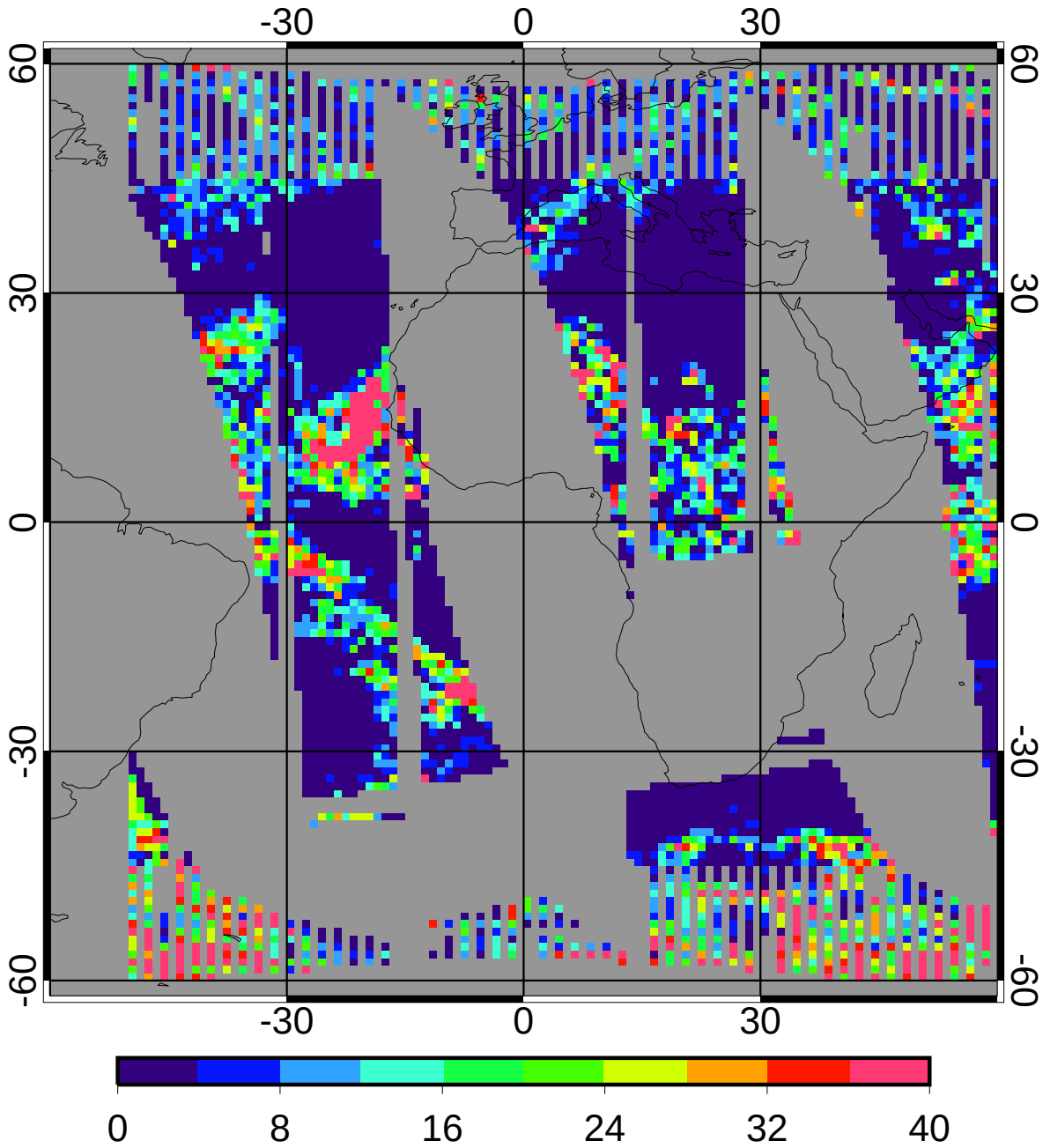
5ch_39cal Jul 2010



bias	-3.77	-15.01%
domain sigma	11.44	45.59%

GGEO - CERES/Terra Nighttime Ice Cld Amt (%) RMS

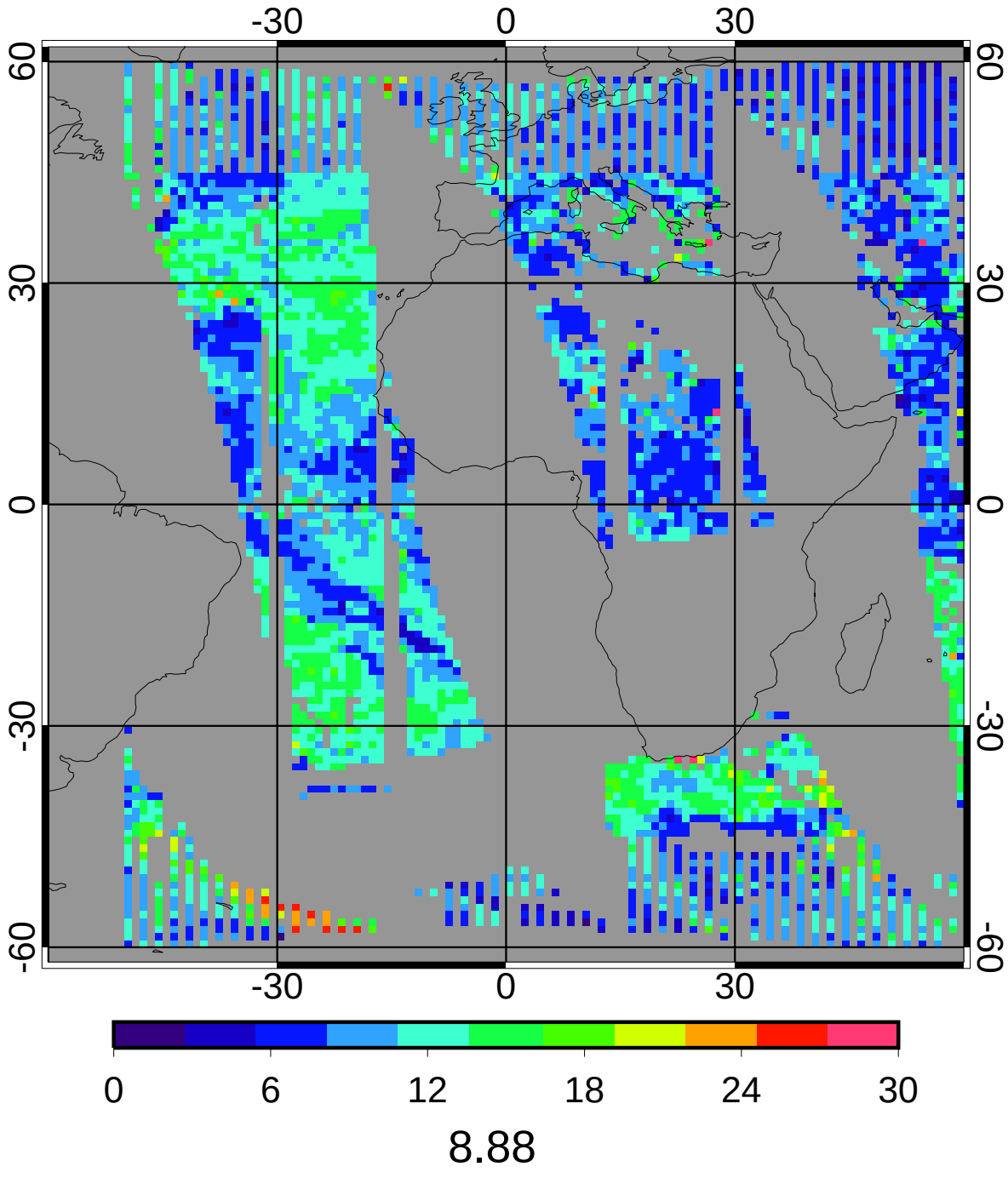
5ch_39cal Jul 2010



regave rms	8.94	35.62%
domain rms	14.93	59.47%

GGEO MEAN Nighttime Liquid Particle Size (microns)

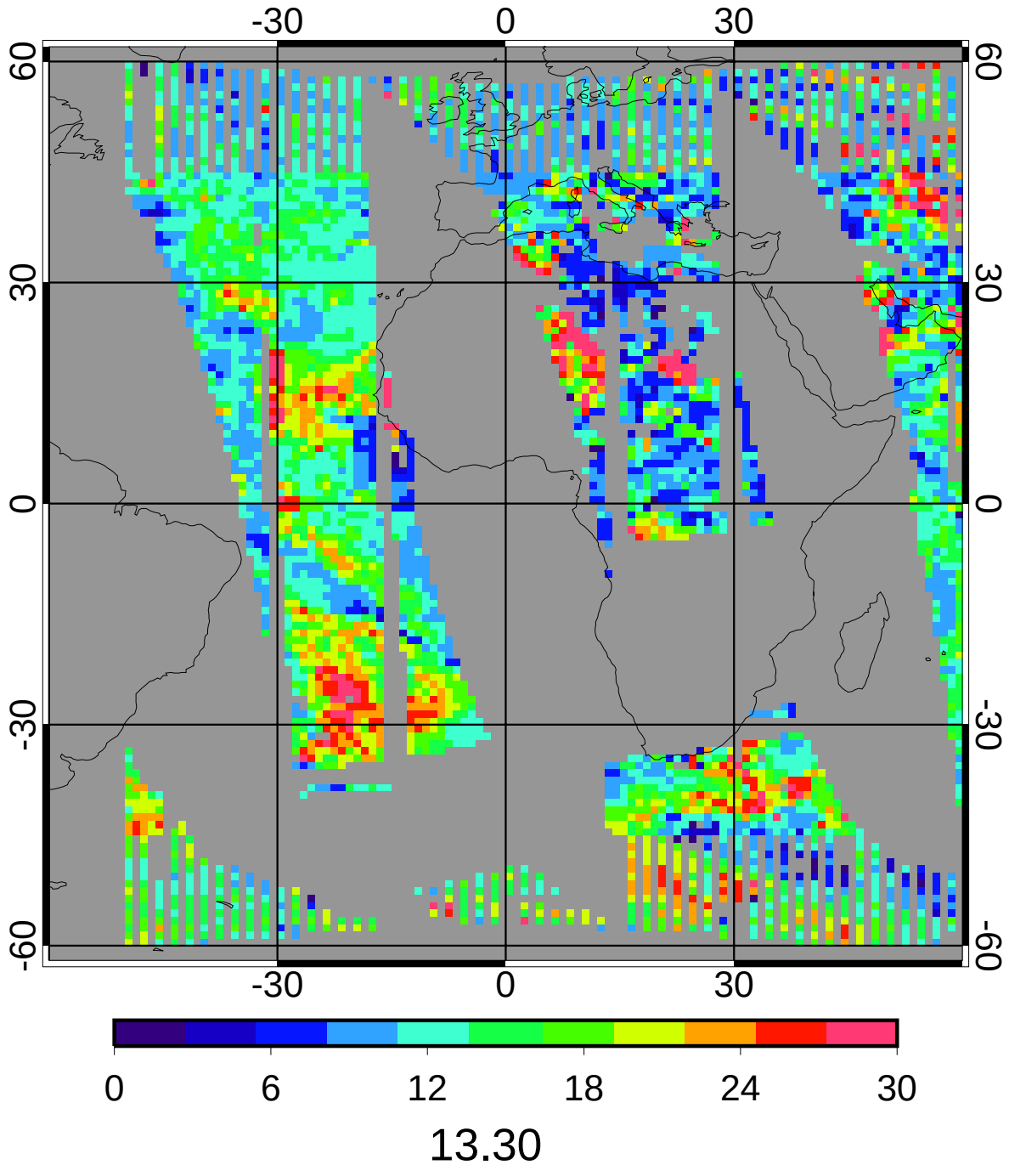
5ch_39cal Jul 2010



8.88

CERES/Terra MEAN Nighttime Liquid Particle Size (microns)

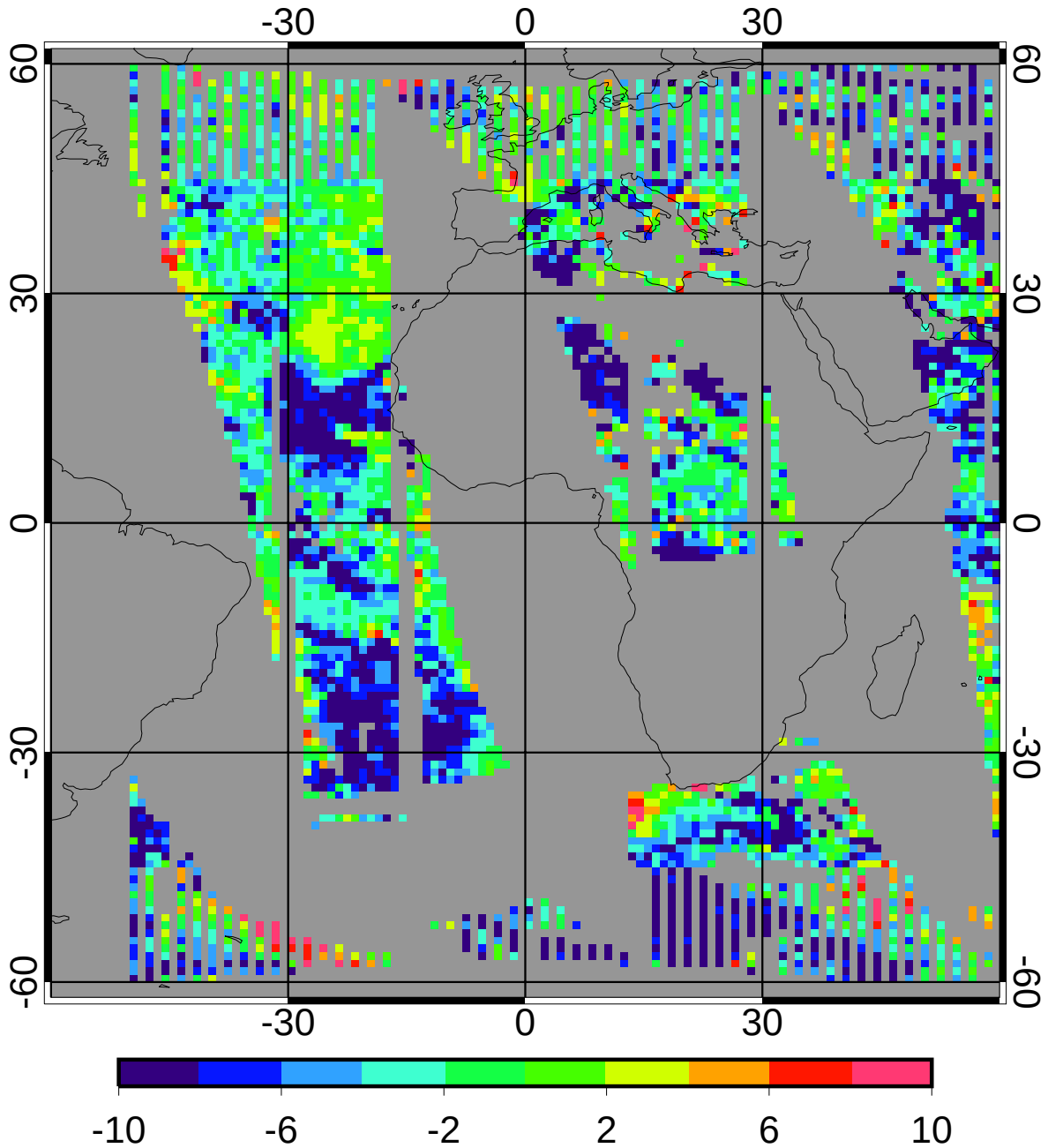
5ch_39cal Jul 2010



13.30

GGEO - CERES/Terra Nighttime Liquid Particle Size (microns) Bias

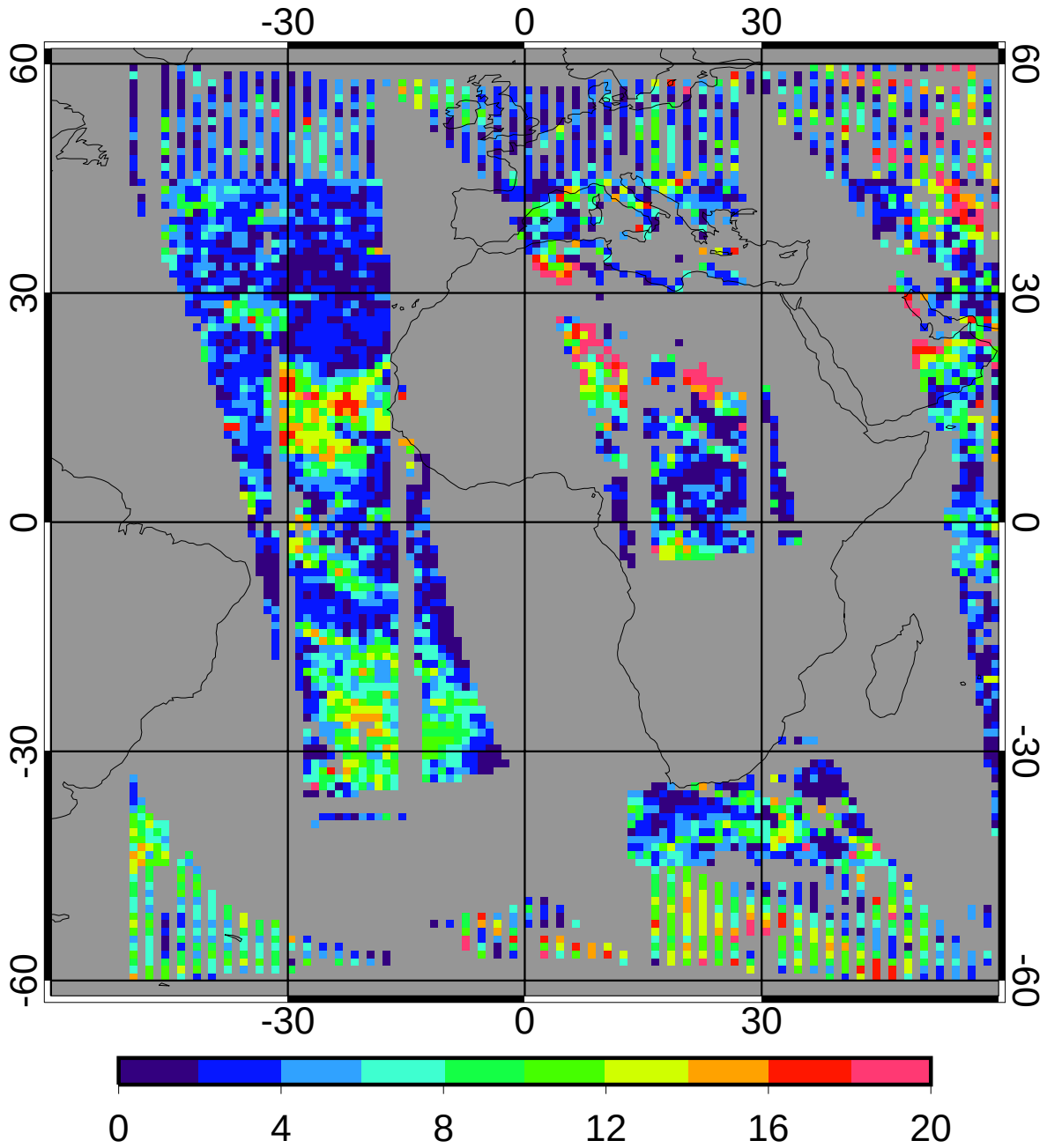
5ch_39cal Jul 2010



bias	-3.40	-25.58%
domain sigma	4.64	34.91%

GGEO - CERES/Terra Nighttime Liquid Particle Size (microns) RMS

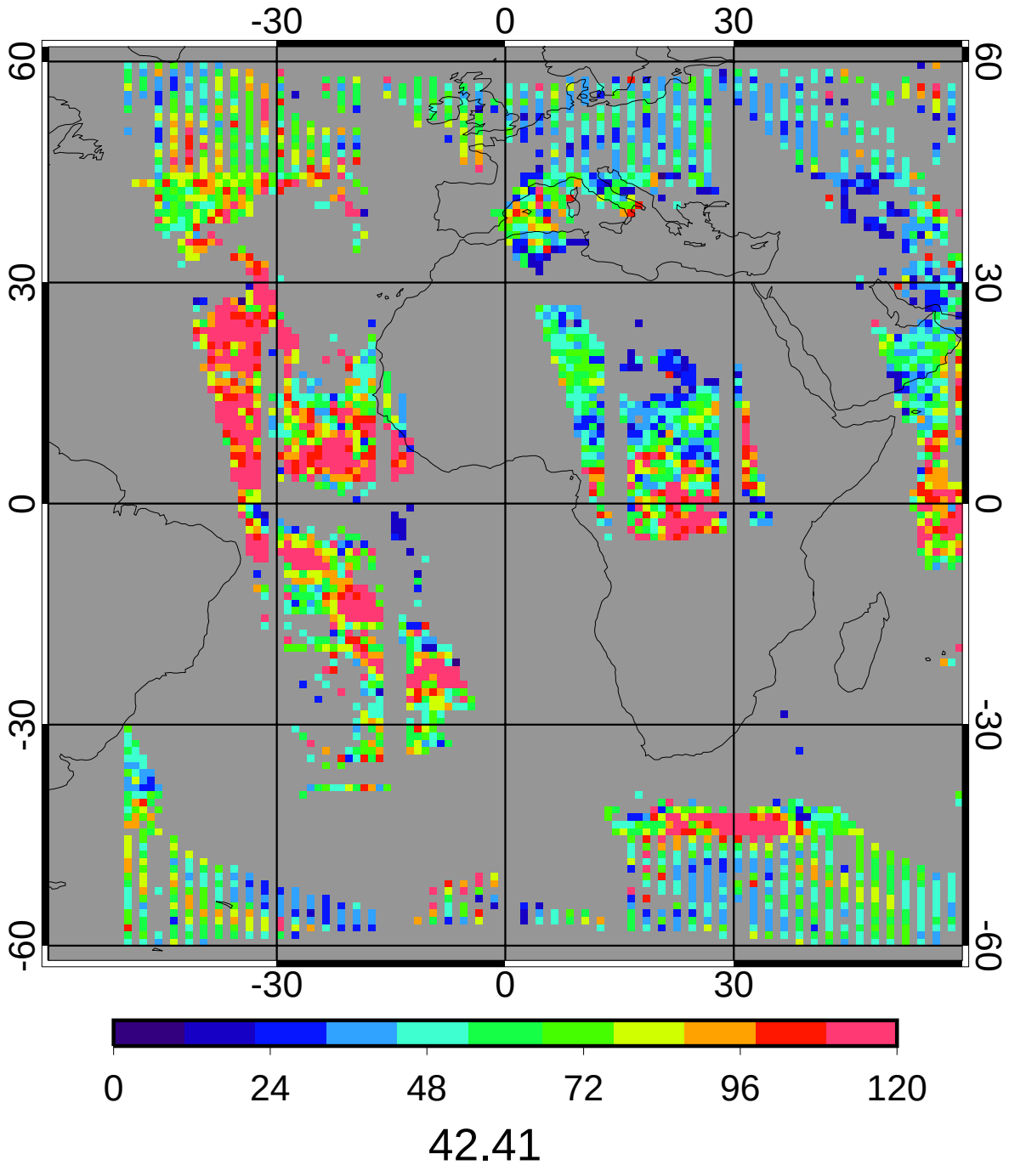
5ch_39cal Jul 2010



regave rms	4.74	35.61%
domain rms	6.40	48.11%

GGEO MEAN Nighttime Ice Particle Size (microns)

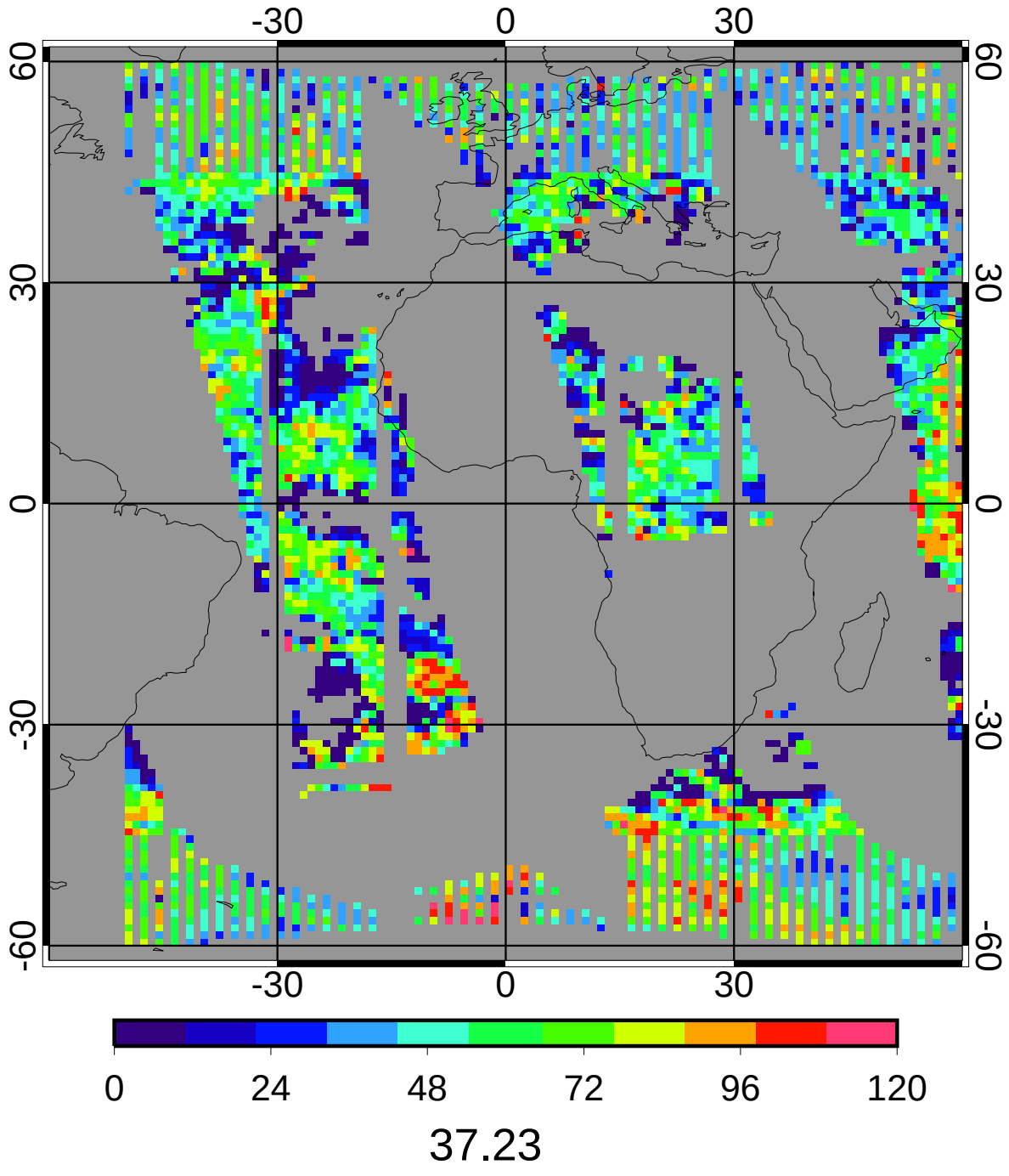
5ch_39cal Jul 2010



42.41

CERES/Terra MEAN Nighttime Ice Particle Size (microns)

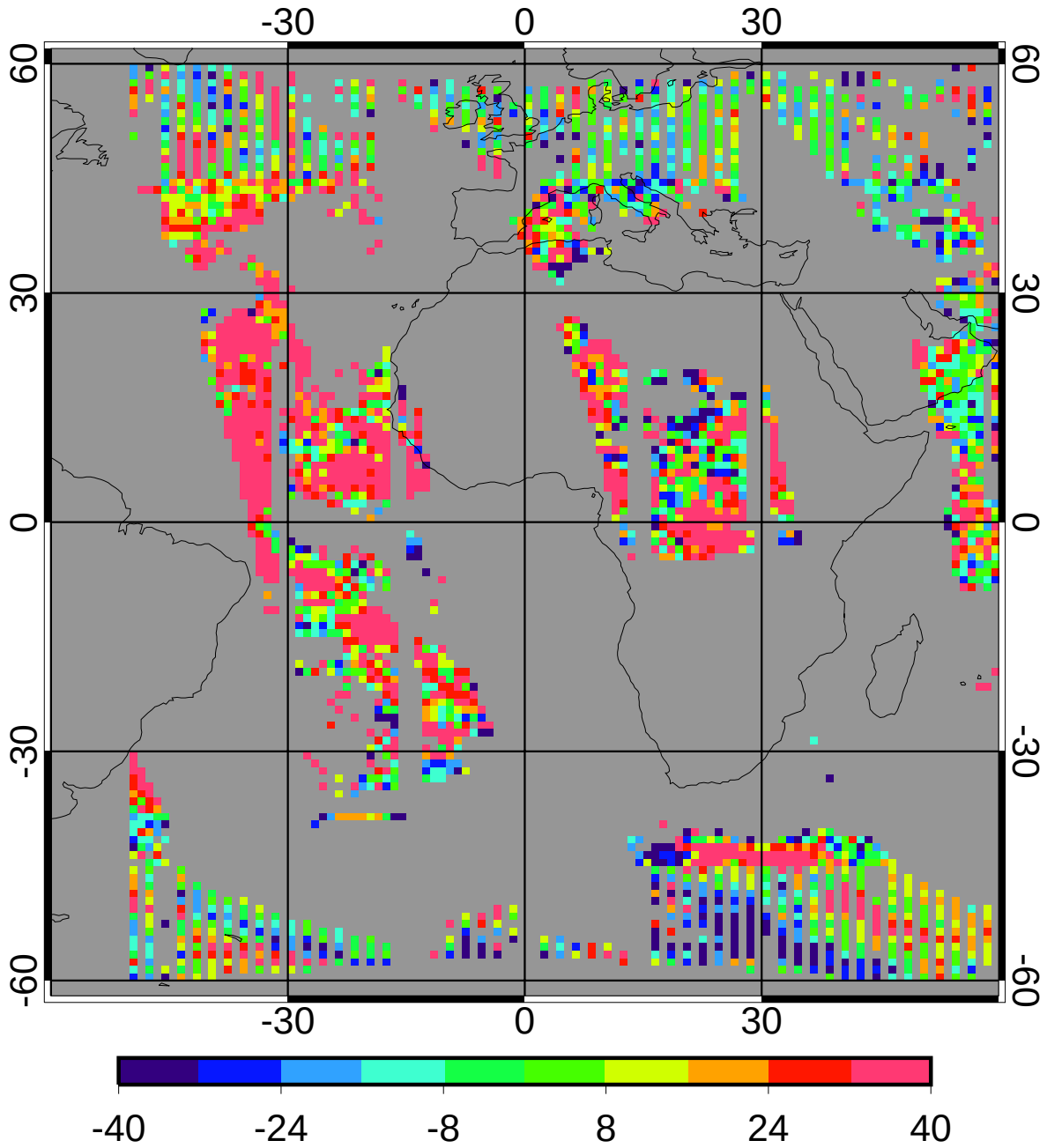
5ch_39cal Jul 2010



37.23

GGEO - CERES/Terra Nighttime Ice Particle Size (microns) Bias

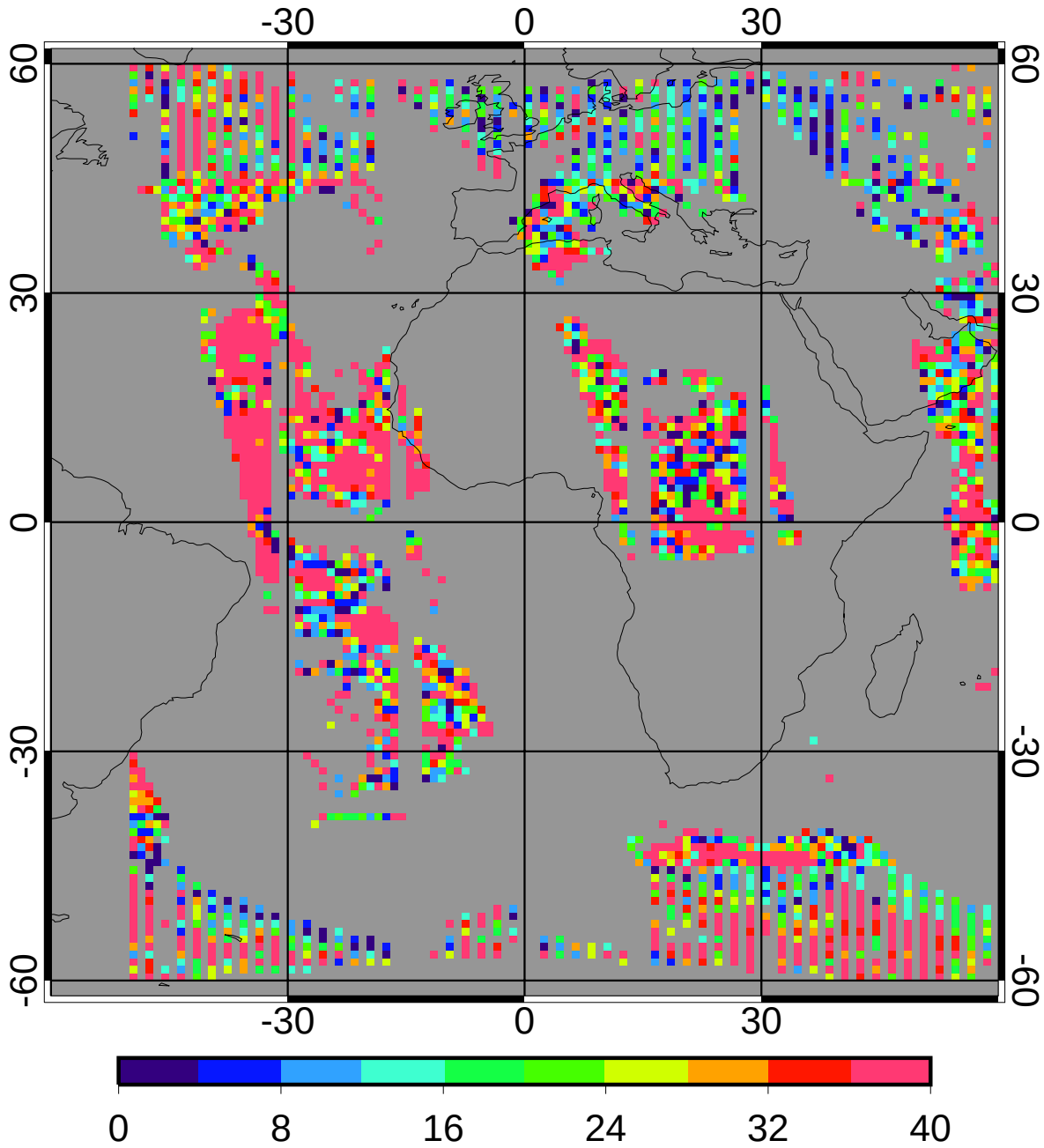
5ch_39cal Jul 2010



bias	10.10	27.12%
domain sigma	30.28	81.34%

GGEO - CERES/Terra Nighttime Ice Particle Size (microns) RMS

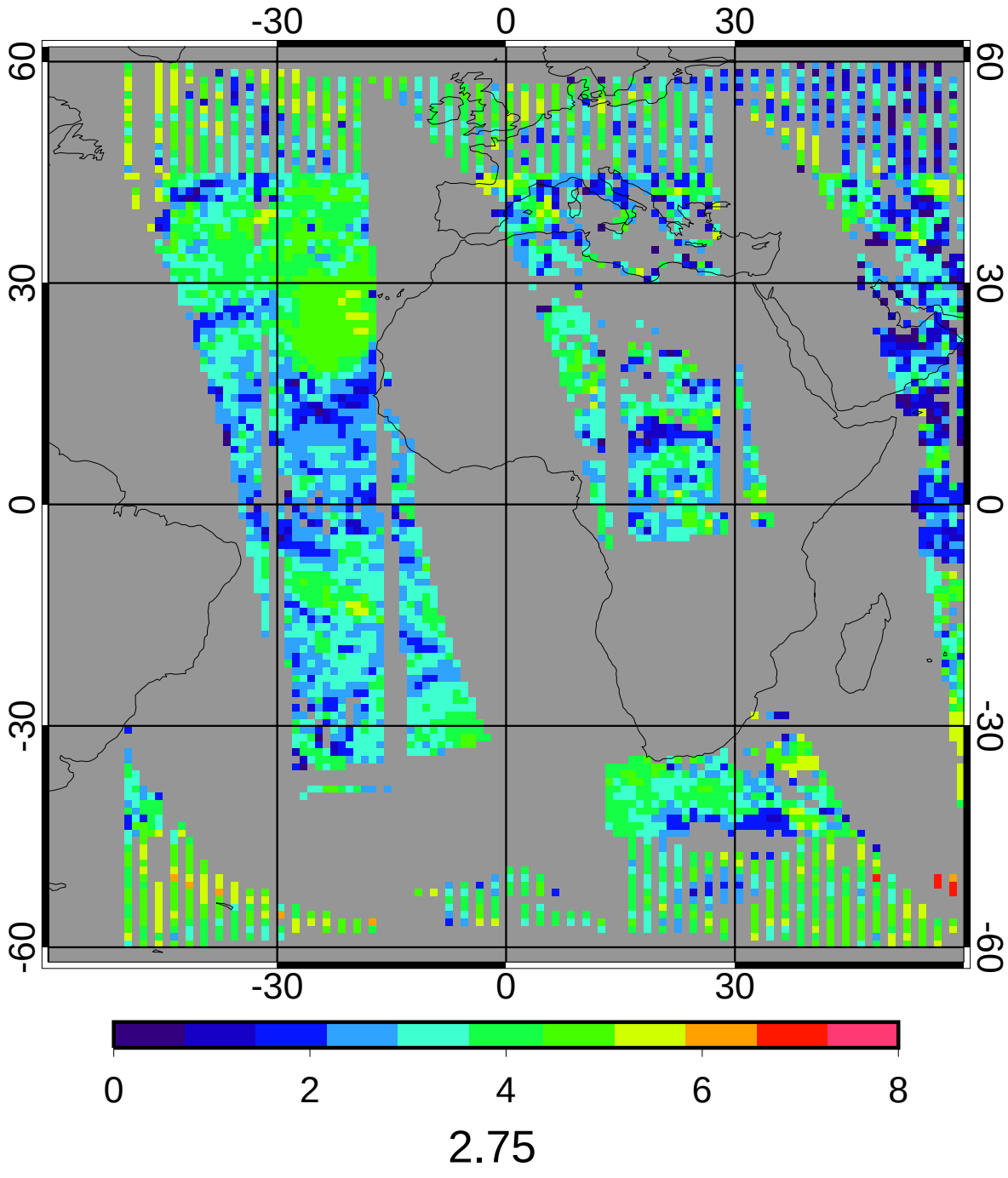
5ch_39cal Jul 2010



regave rms	19.21	51.59%
domain rms	35.88	96.36%

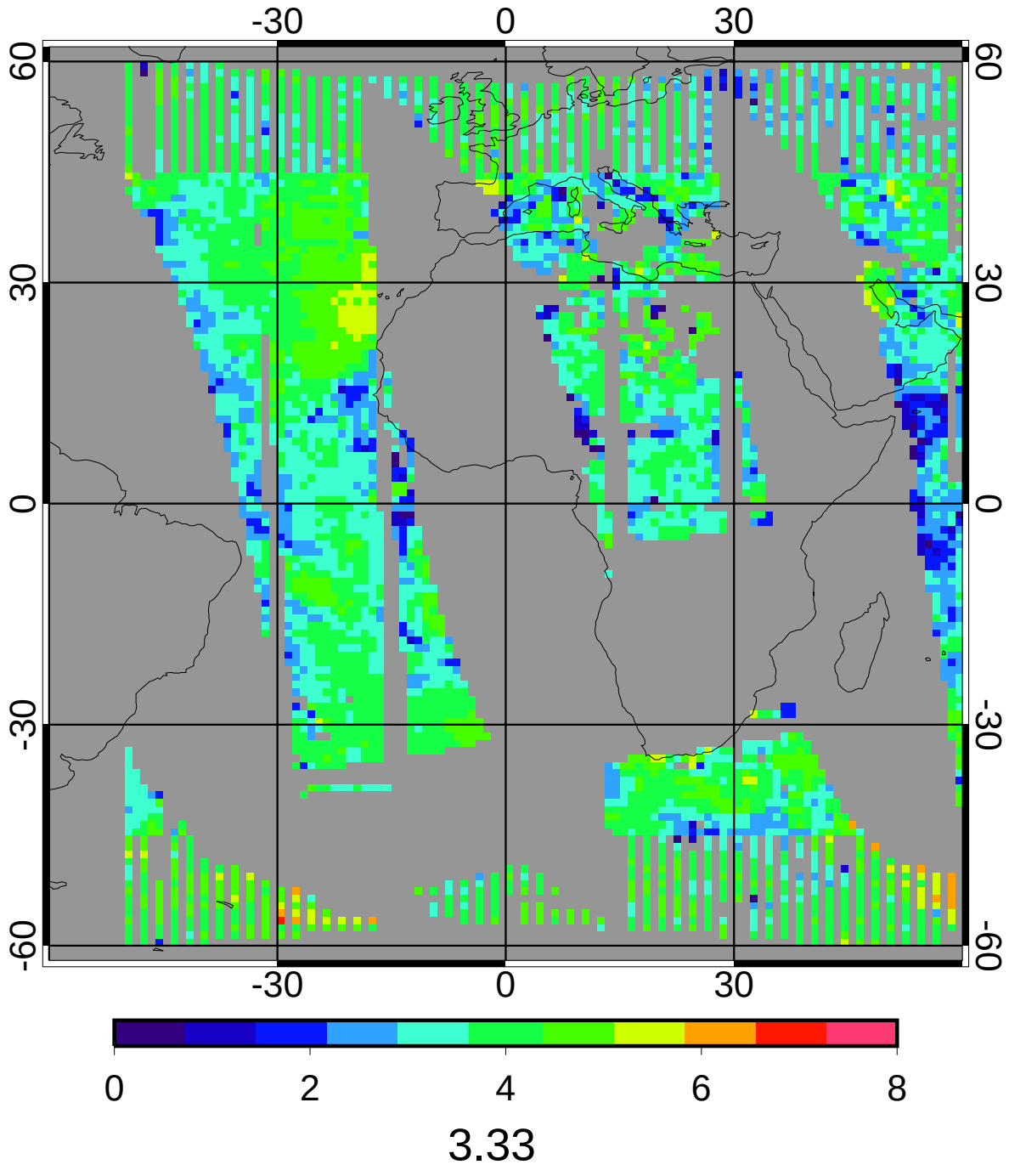
GGEO MEAN Nighttime Log Liquid Water Path (g/m2)

5ch_39cal Jul 2010



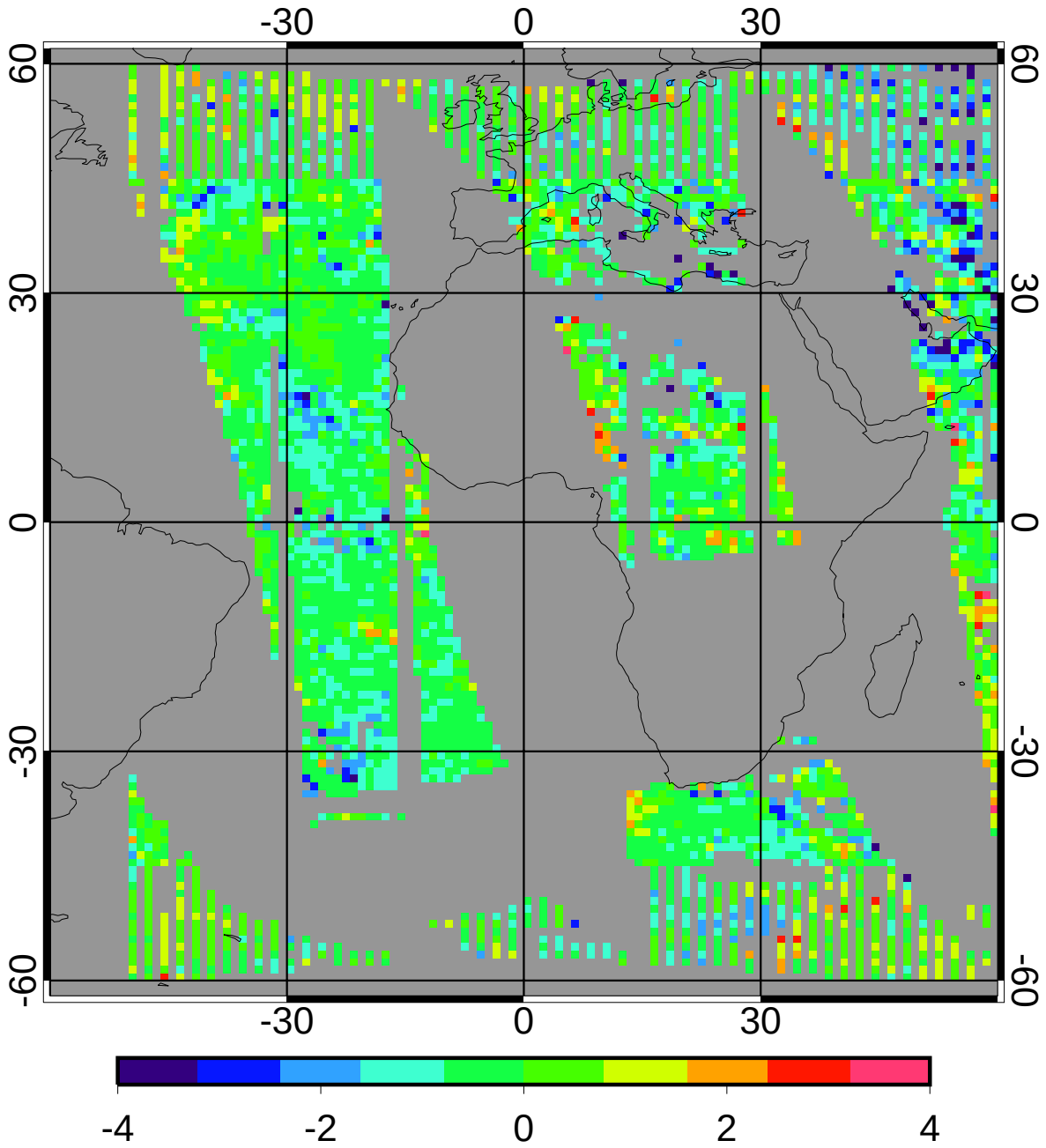
CERES/Terra MEAN Nighttime Log Liquid Water Path (g/m2)

5ch_39cal Jul 2010



GGEO - CERES/Terra Nighttime Log Liquid Water Path (g/m2) Bias

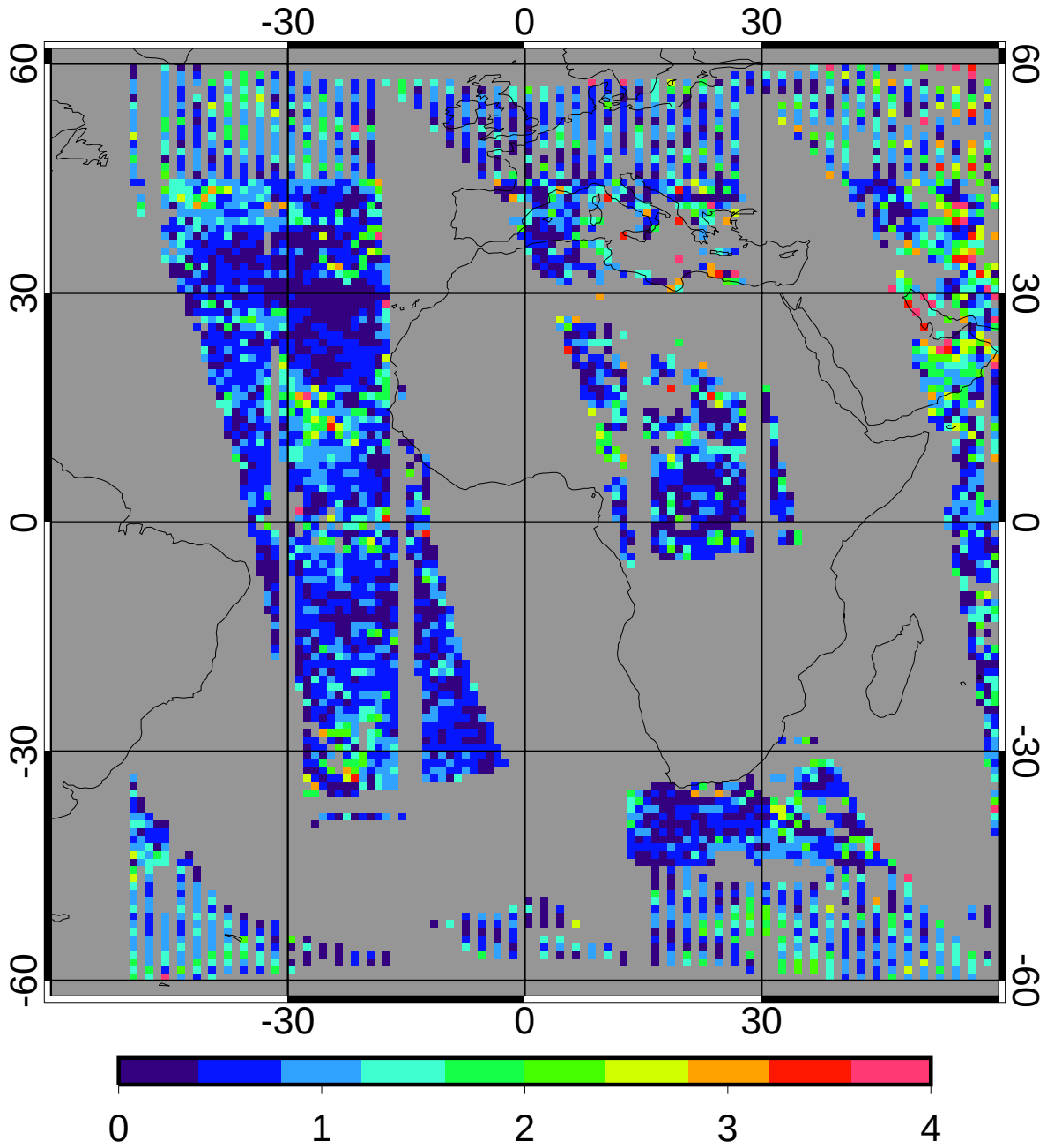
5ch_39cal Jul 2010



bias	-0.31	-9.21%
domain sigma	0.80	23.99%

GGEO - CERES/Terra Nighttime Log Liquid Water Path (g/m2) RMS

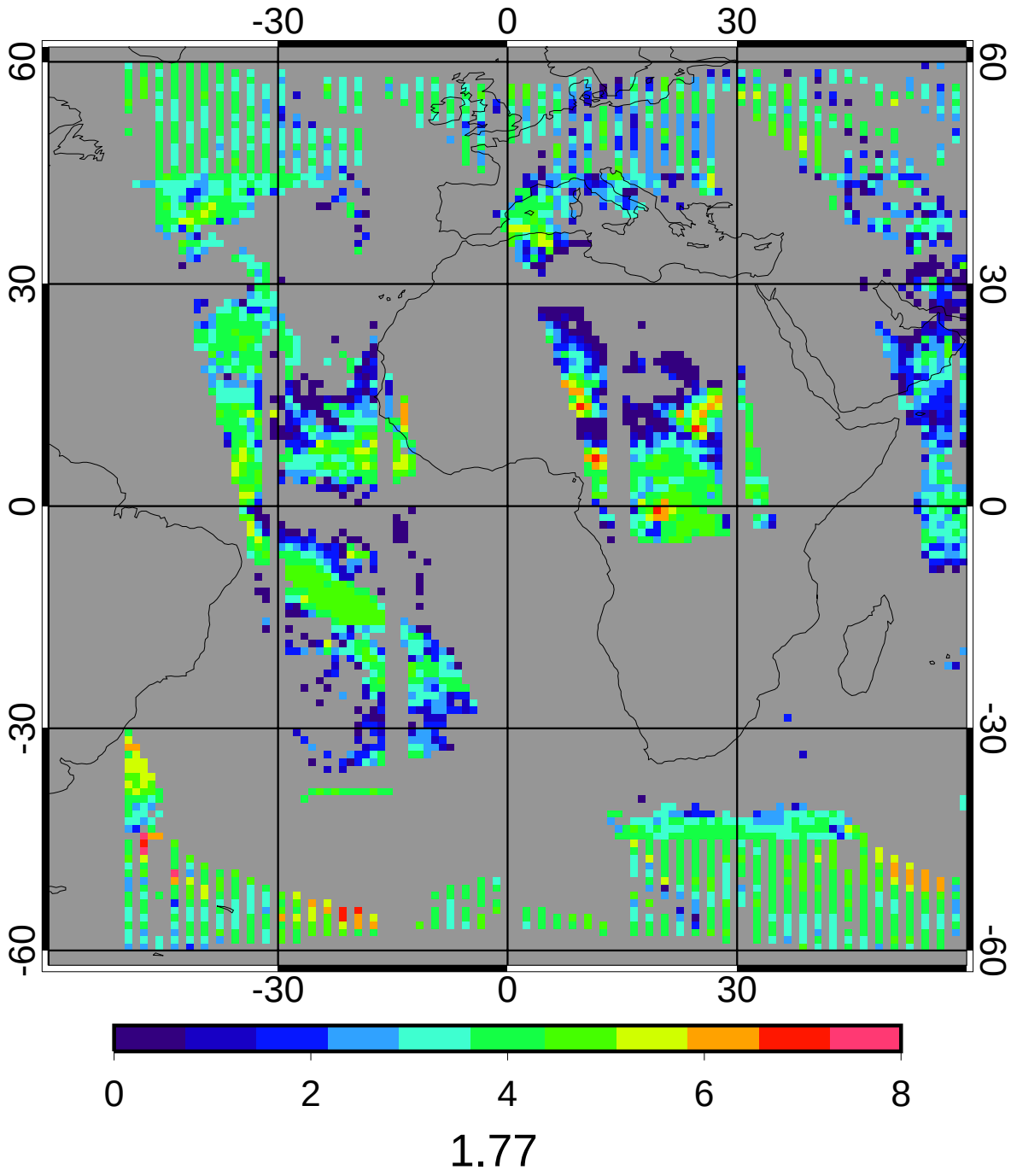
5ch_39cal Jul 2010



regave rms	0.72	21.65%
domain rms	0.99	29.65%

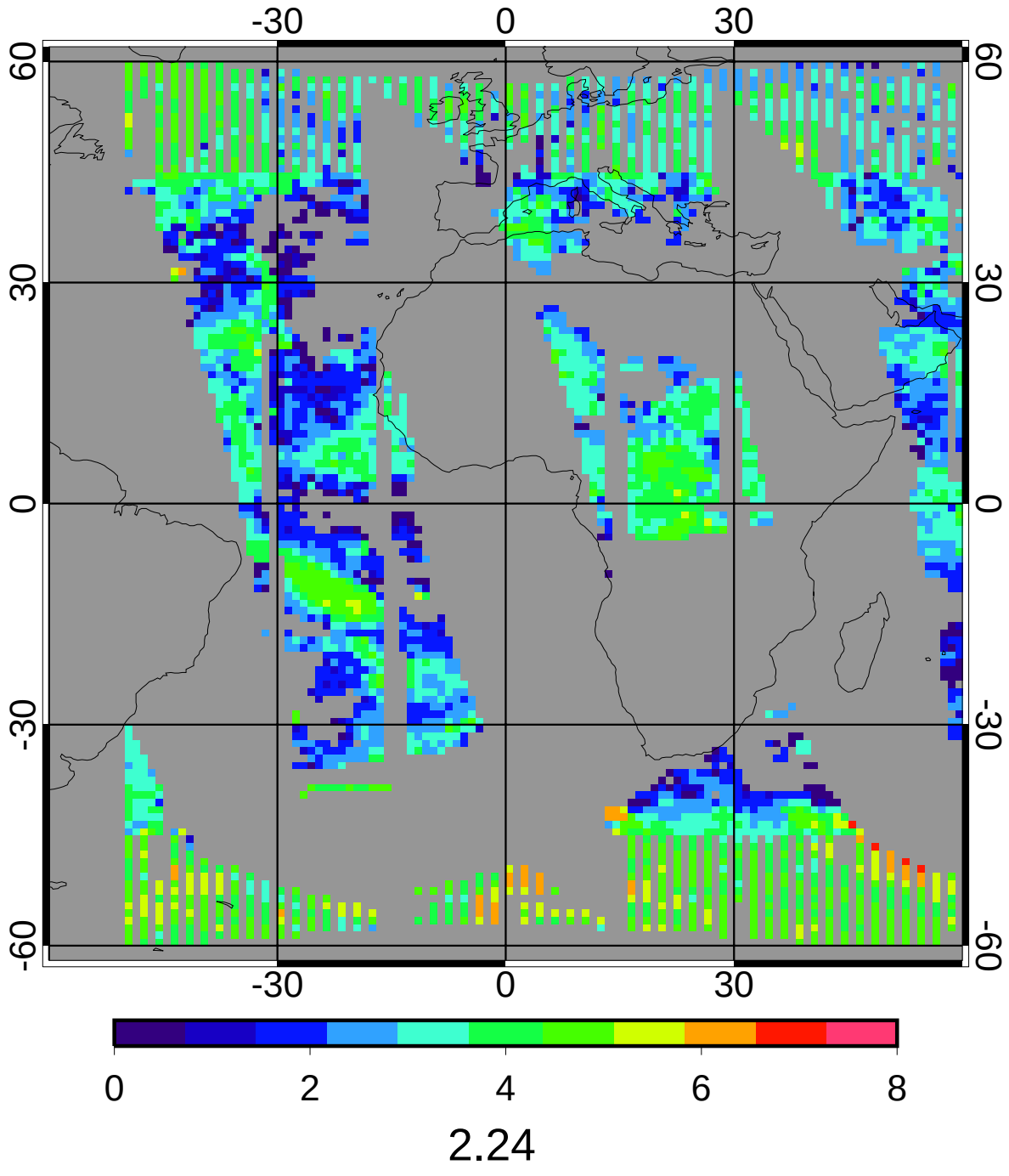
GGEO MEAN Nighttime Log Ice Water Path (g/m2)

5ch_39cal Jul 2010



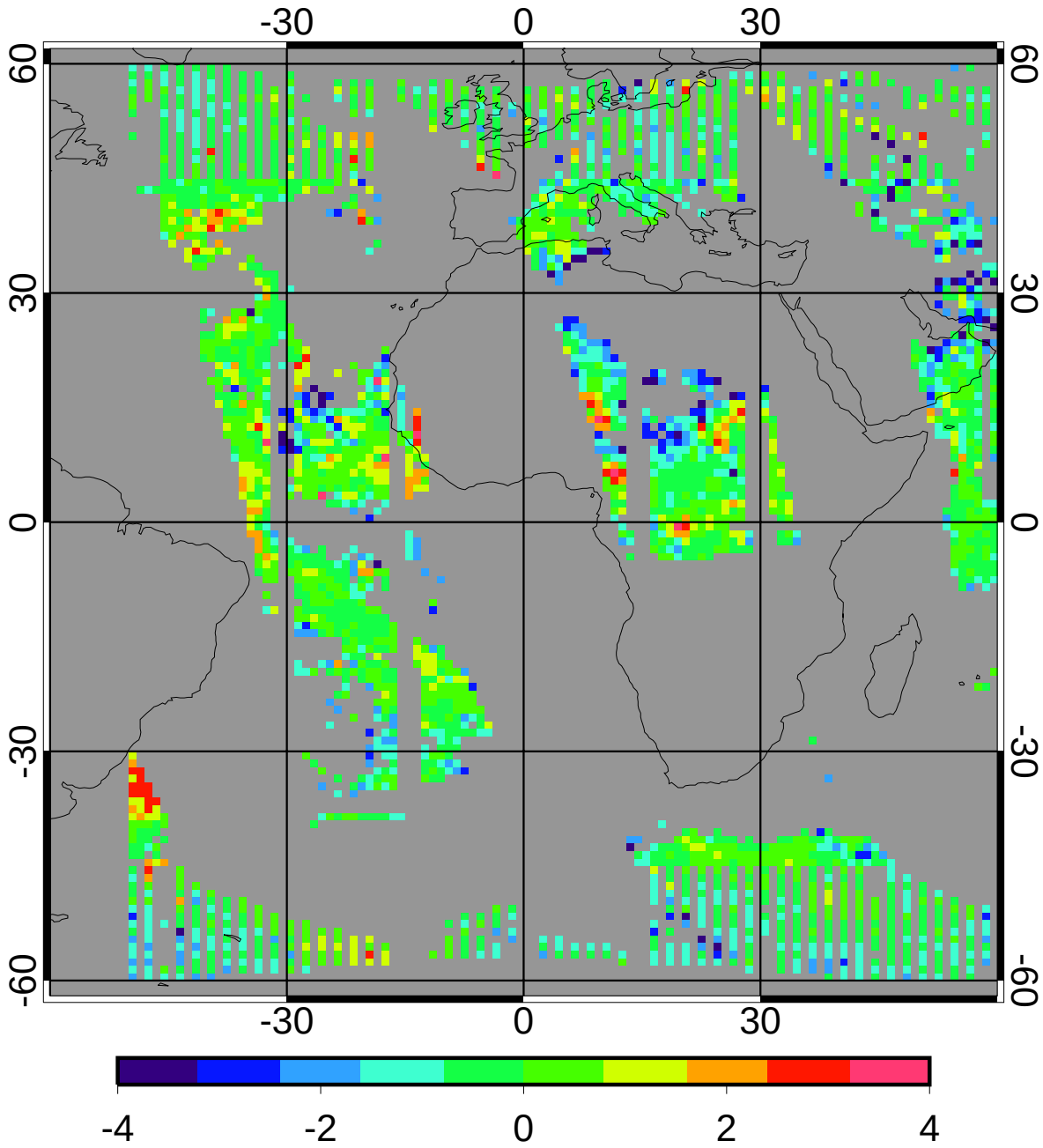
CERES/Terra MEAN Nighttime Log Ice Water Path (g/m2)

5ch_39cal Jul 2010



GGEO - CERES/Terra Nighttime Log Ice Water Path (g/m2) Bias

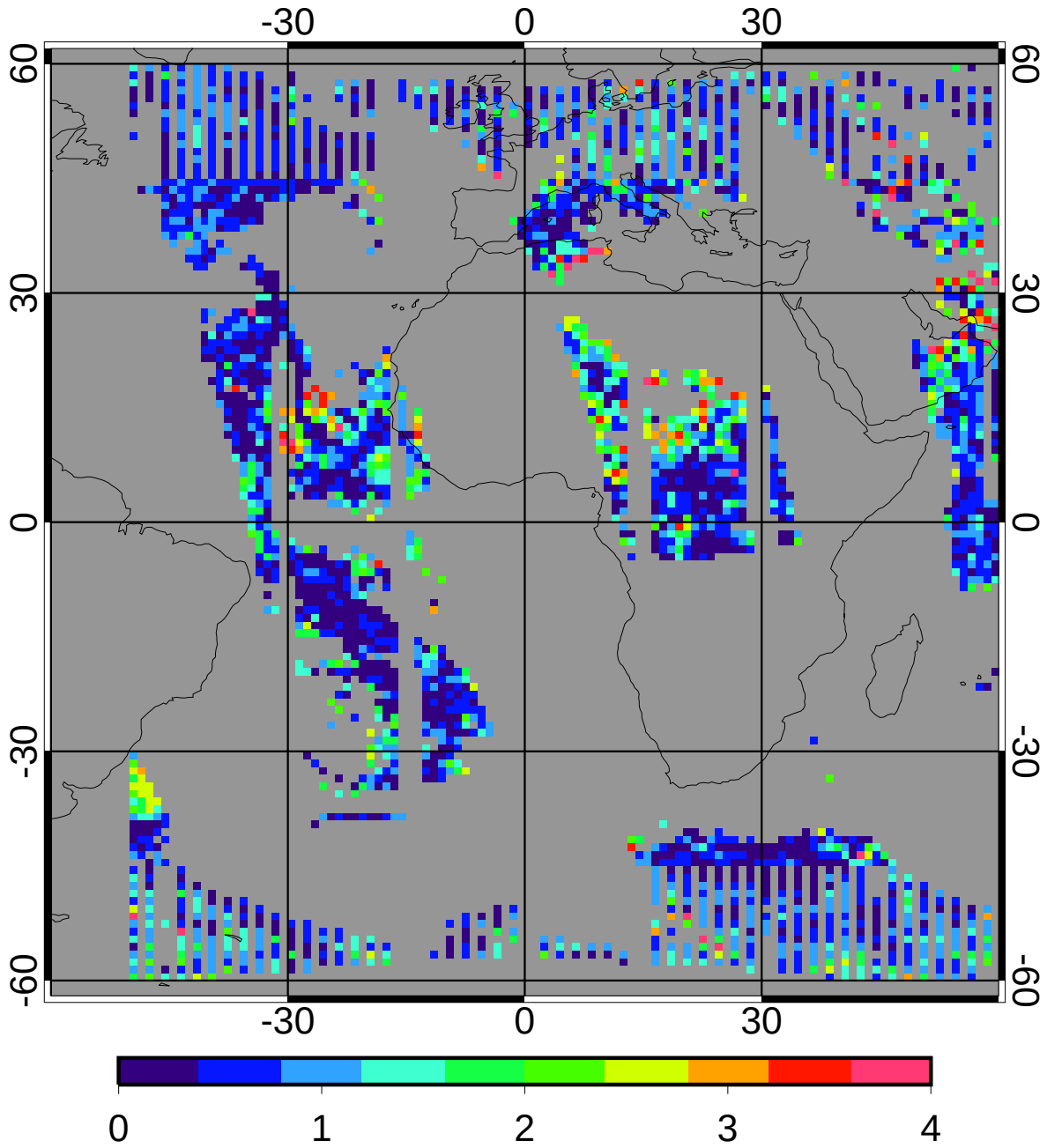
5ch_39cal Jul 2010



bias	-0.16	-7.03%
domain sigma	0.96	42.84%

GGEO - CERES/Terra Nighttime Log Ice Water Path (g/m2) RMS

5ch_39cal Jul 2010



regave rms	0.52	22.99%
domain rms	1.03	46.01%