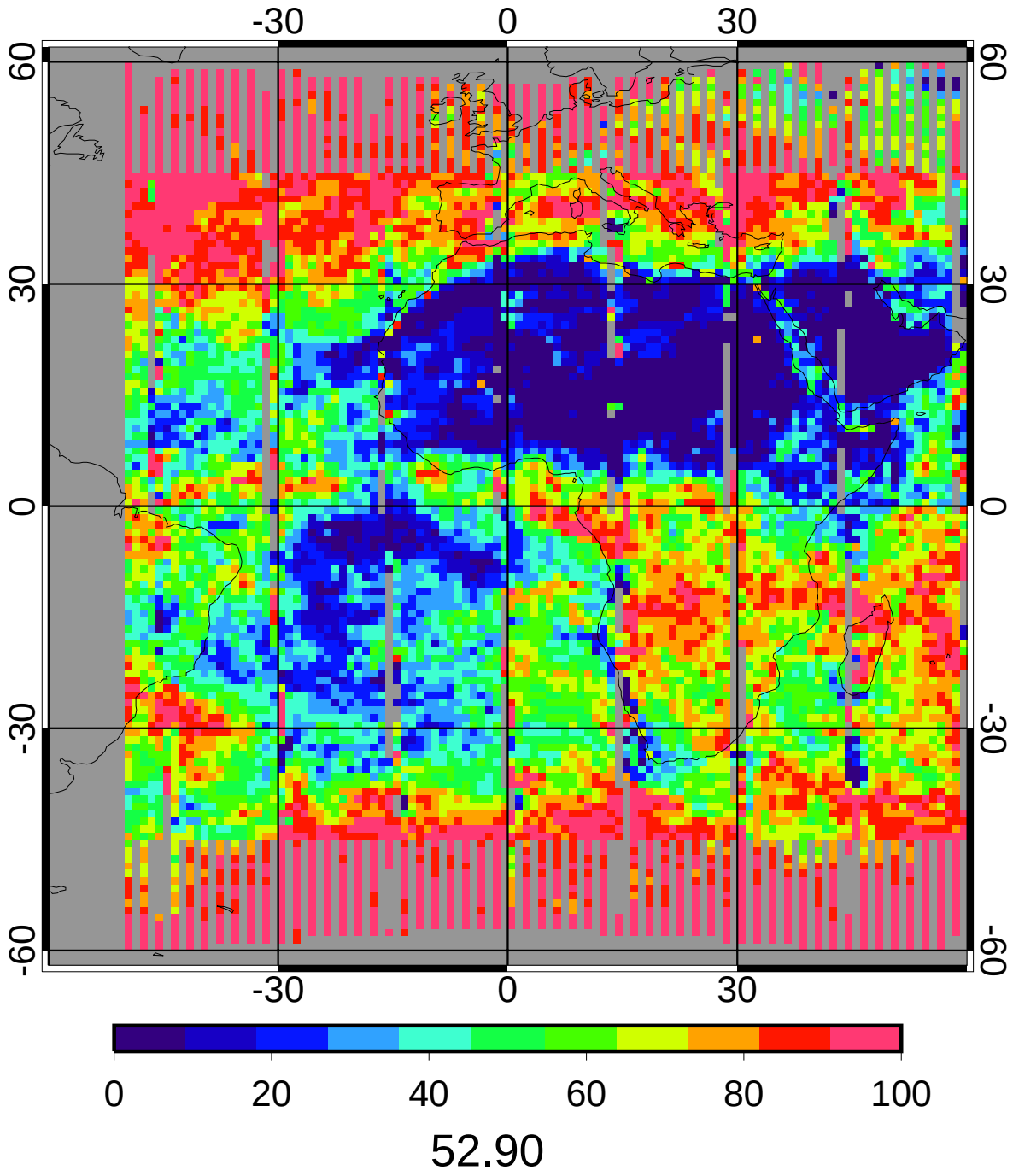
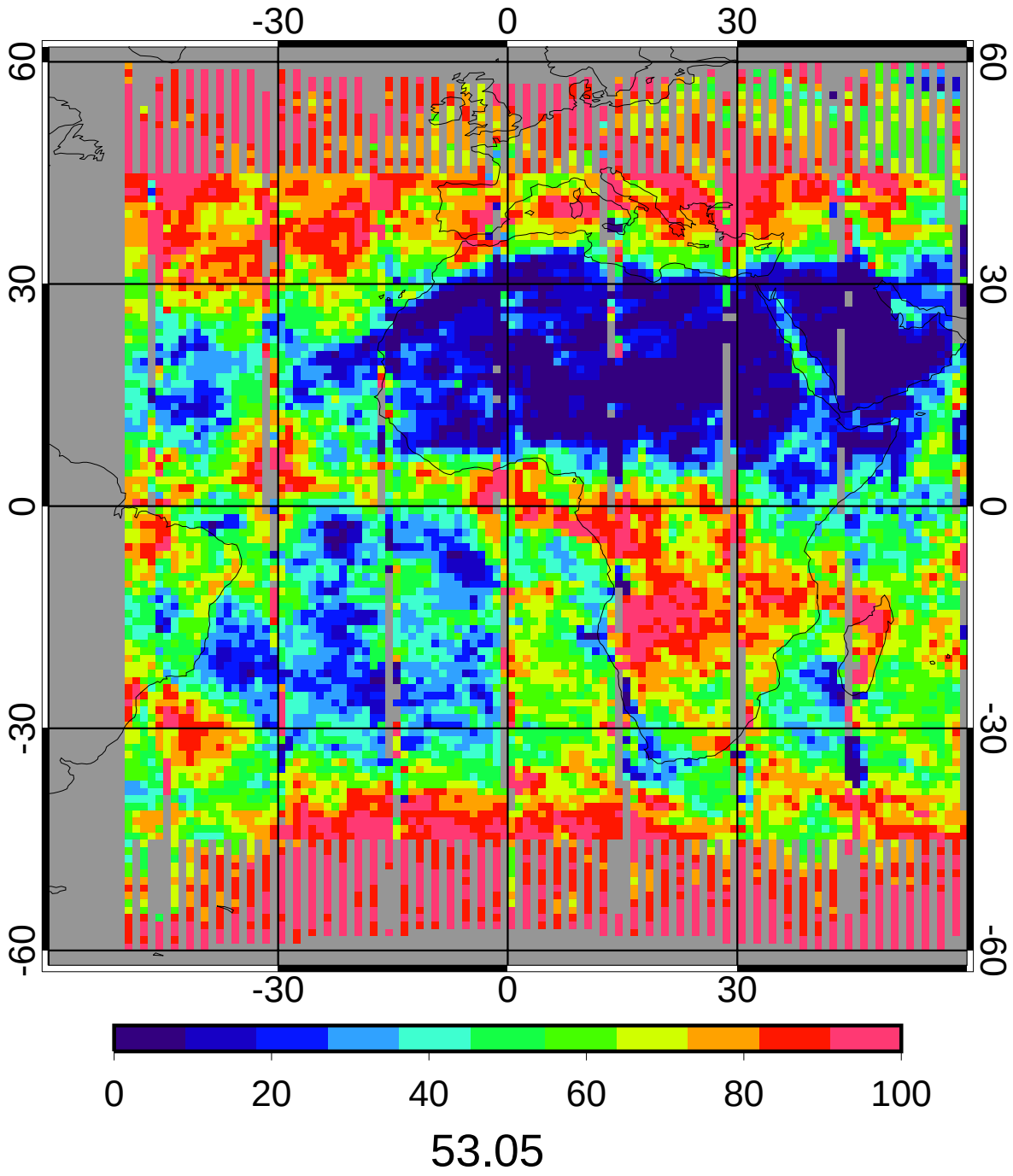
GGEO MEAN Daytime Cloud Amount (%)

5ch Jan 2010 (lapse rate)



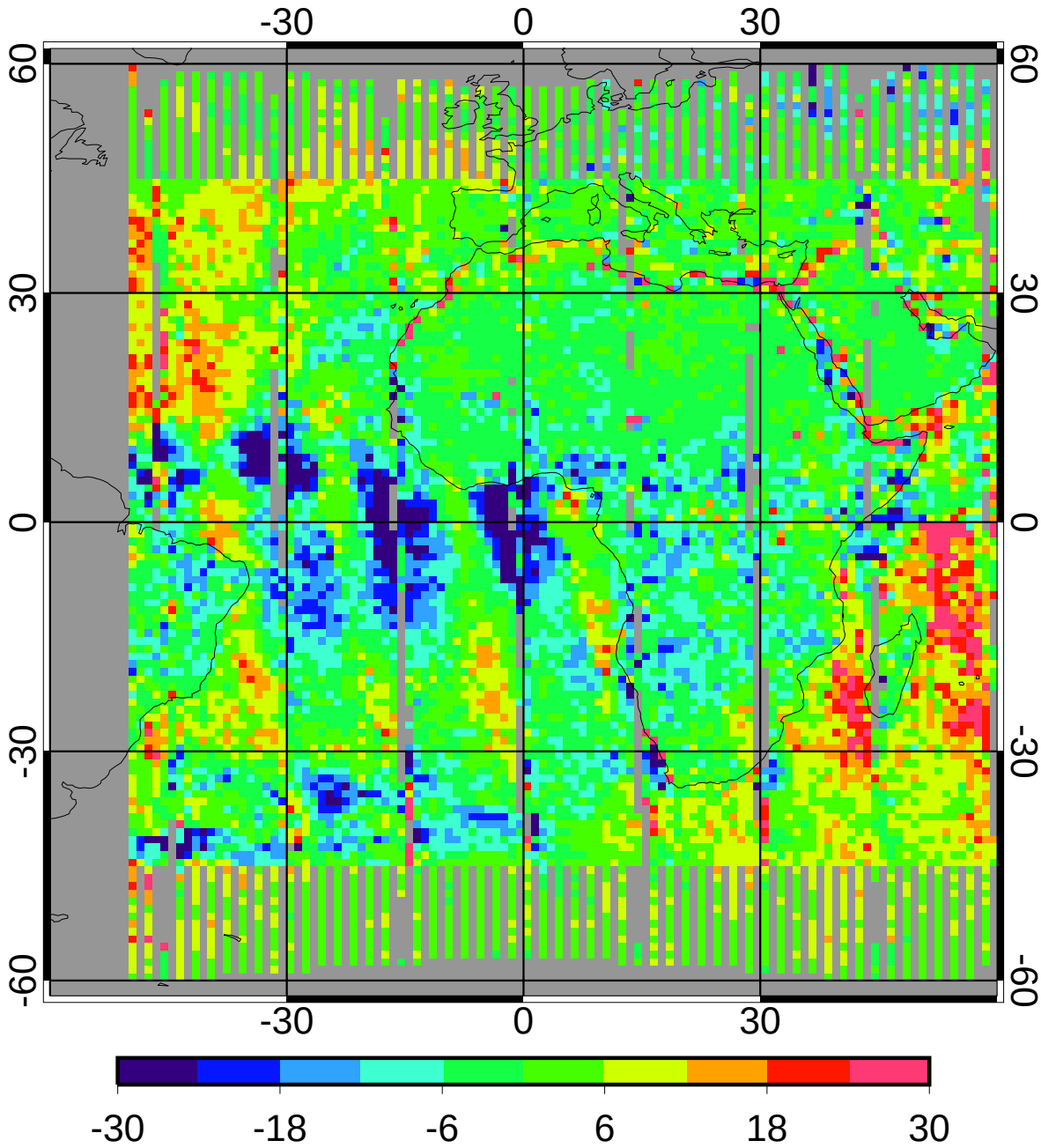
CERES/Aqua MEAN Daytime Cloud Amount (%)

5ch Jan 2010 (lapse rate)



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

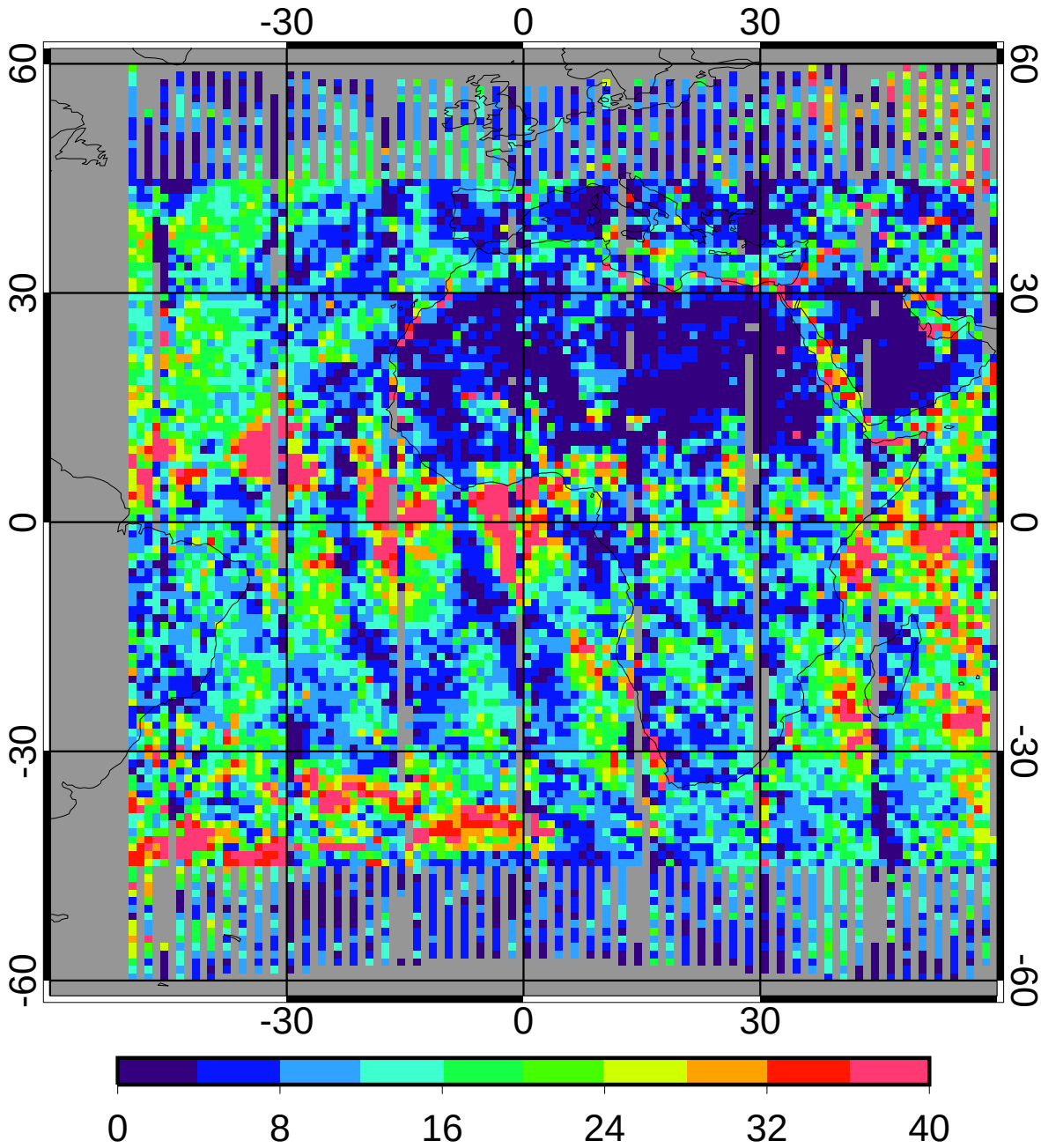
5ch Jan 2010 (lapse rate)



bias	-0.14	-0.27%
domain sigma	9.51	17.92%

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

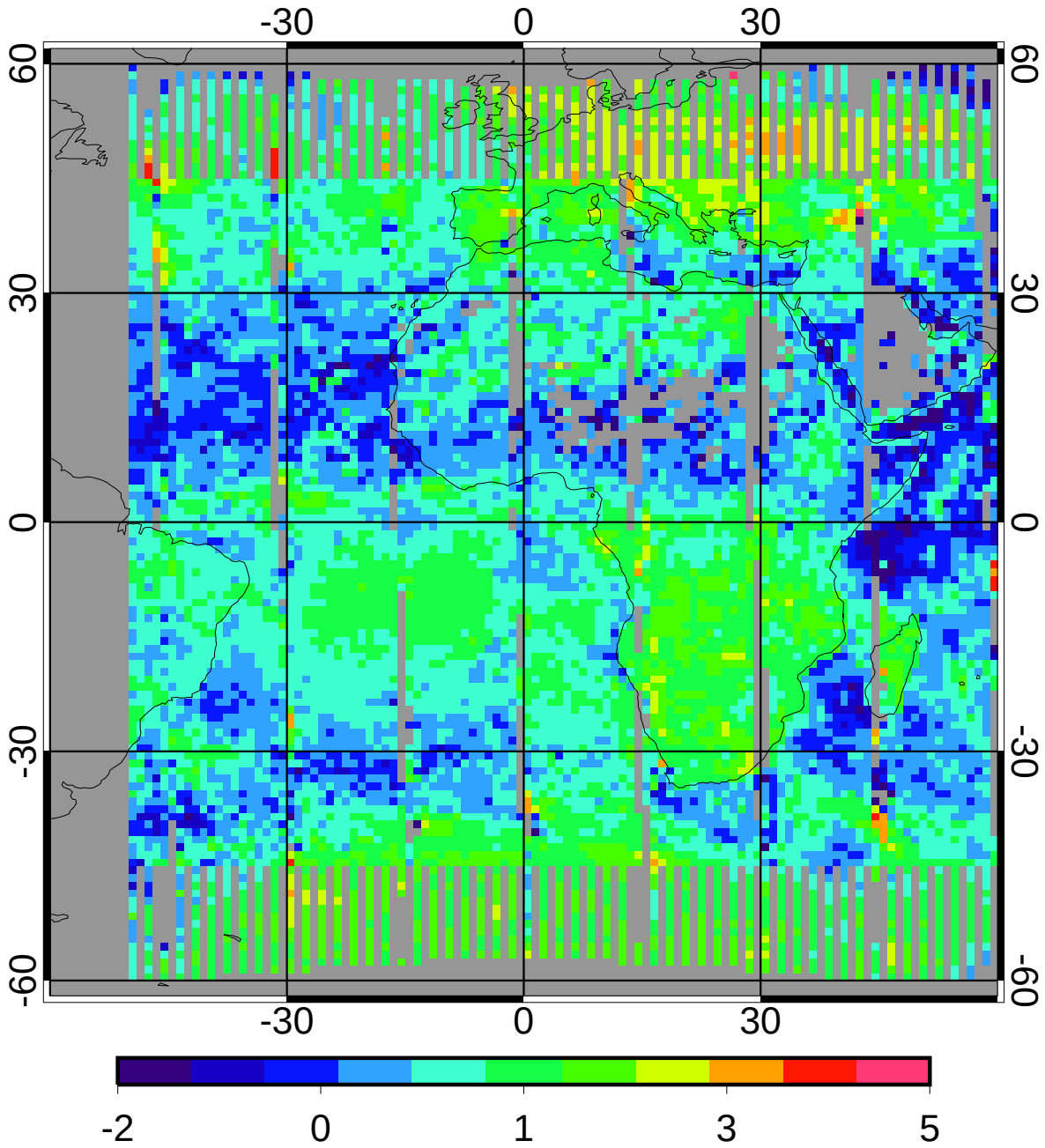
5ch Jan 2010 (lapse rate)



regave rms	13.18	24.84%
domain rms	15.38	28.99%

GGEO MEAN Daytime Log Optical Depth

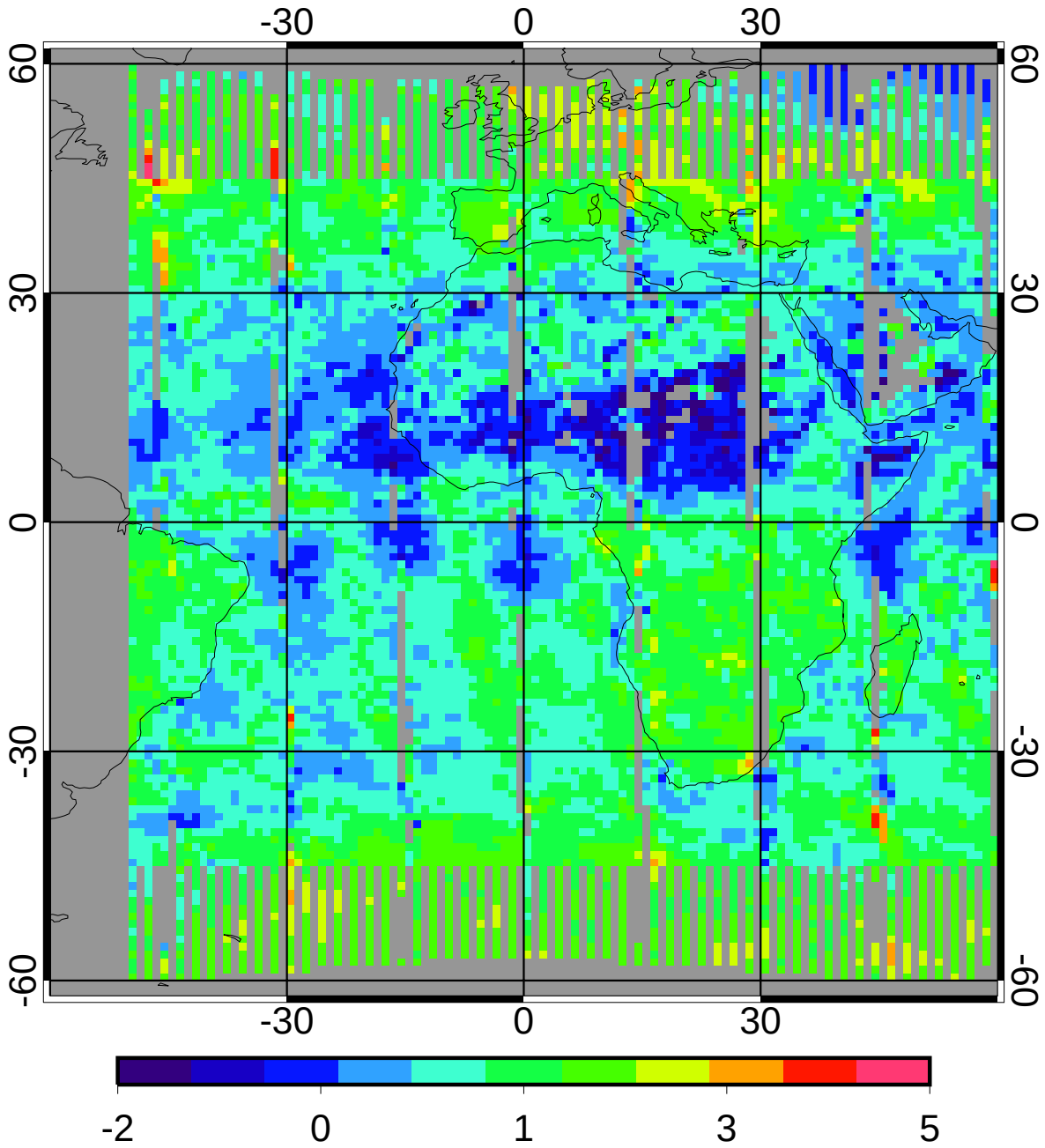
5ch Jan 2010 (lapse rate)



0.80

CERES/Aqua MEAN Daytime Log Optical Depth

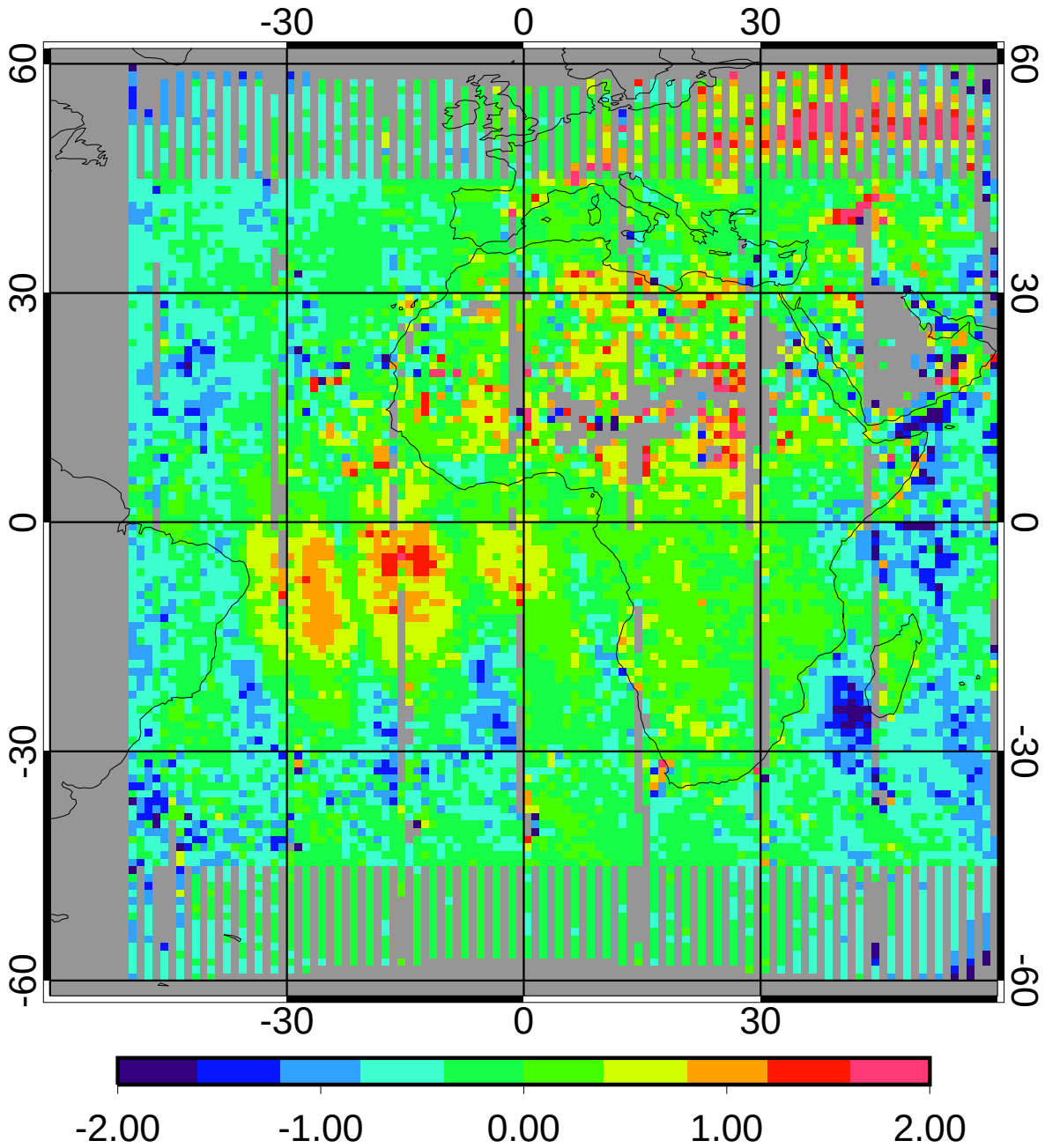
5ch Jan 2010 (lapse rate)



0.96

GGEO - CERES/Aqua Daytime Log Optical Depth Bias

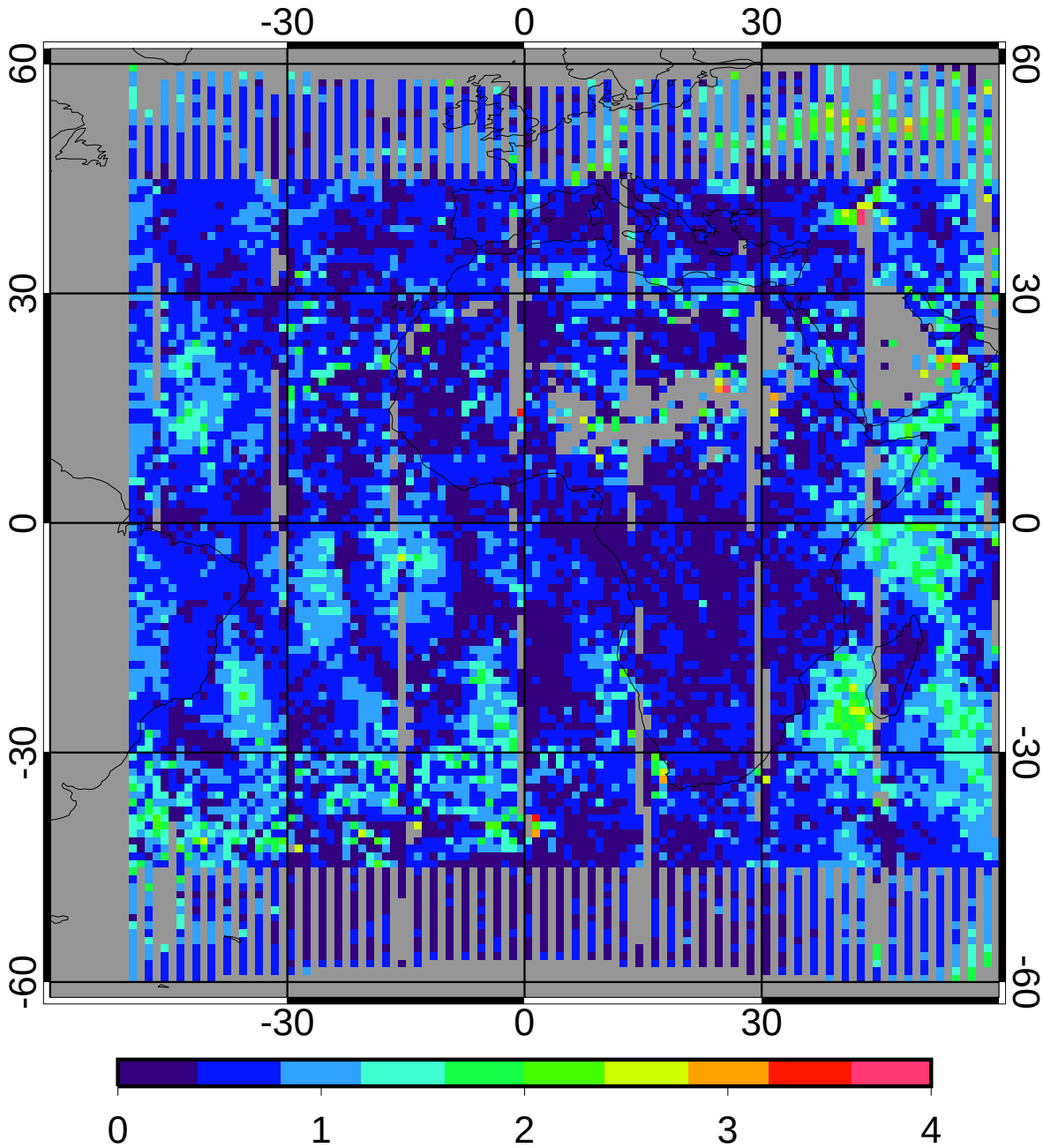
5ch Jan 2010 (lapse rate)



bias	-0.16	-16.56%
domain sigma	0.49	51.55%

GGEO - CERES/Aqua Daytime Log Optical Depth RMS

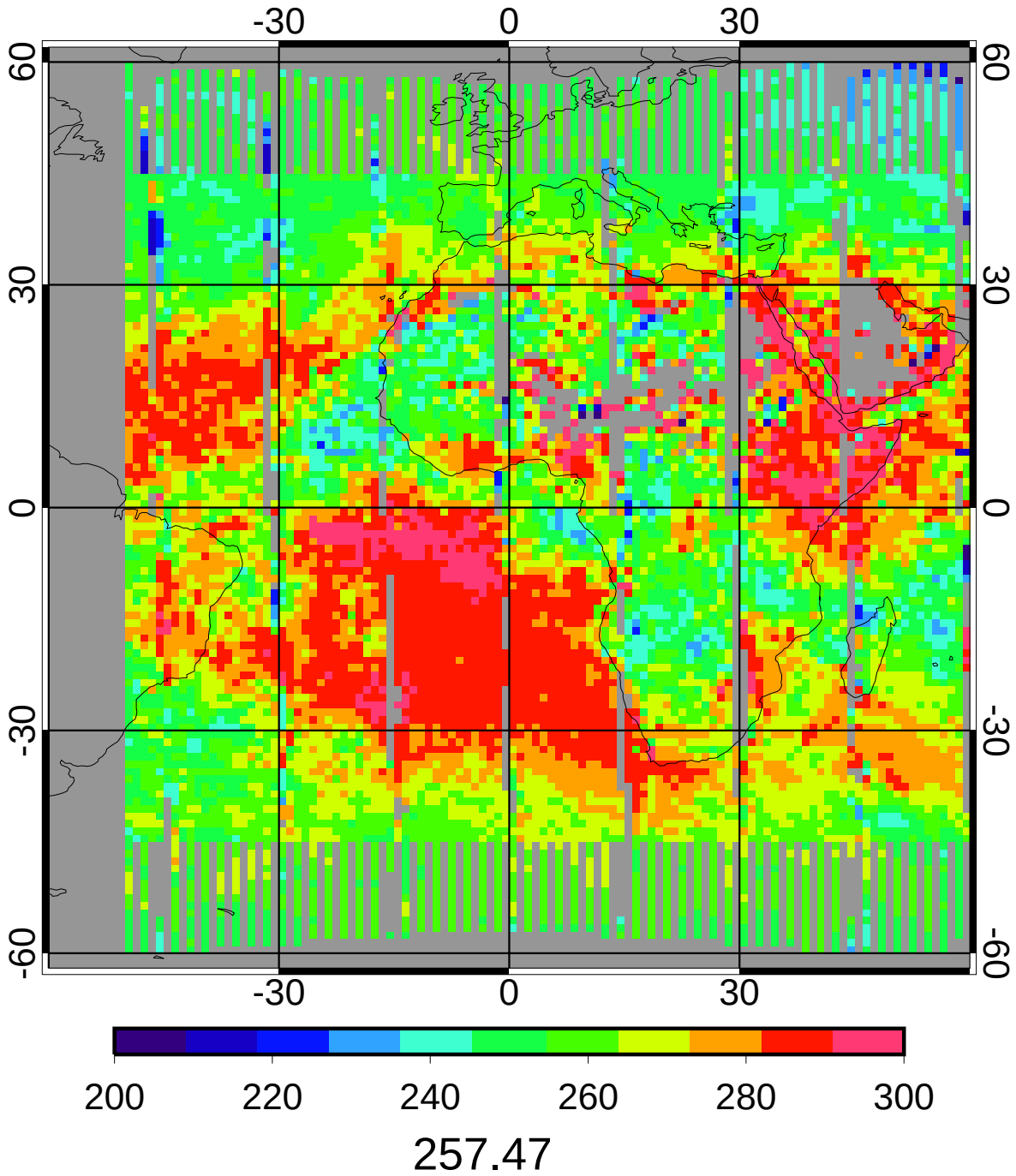
5ch Jan 2010 (lapse rate)



regave rms	0.63	65.74%
domain rms	0.70	73.30%

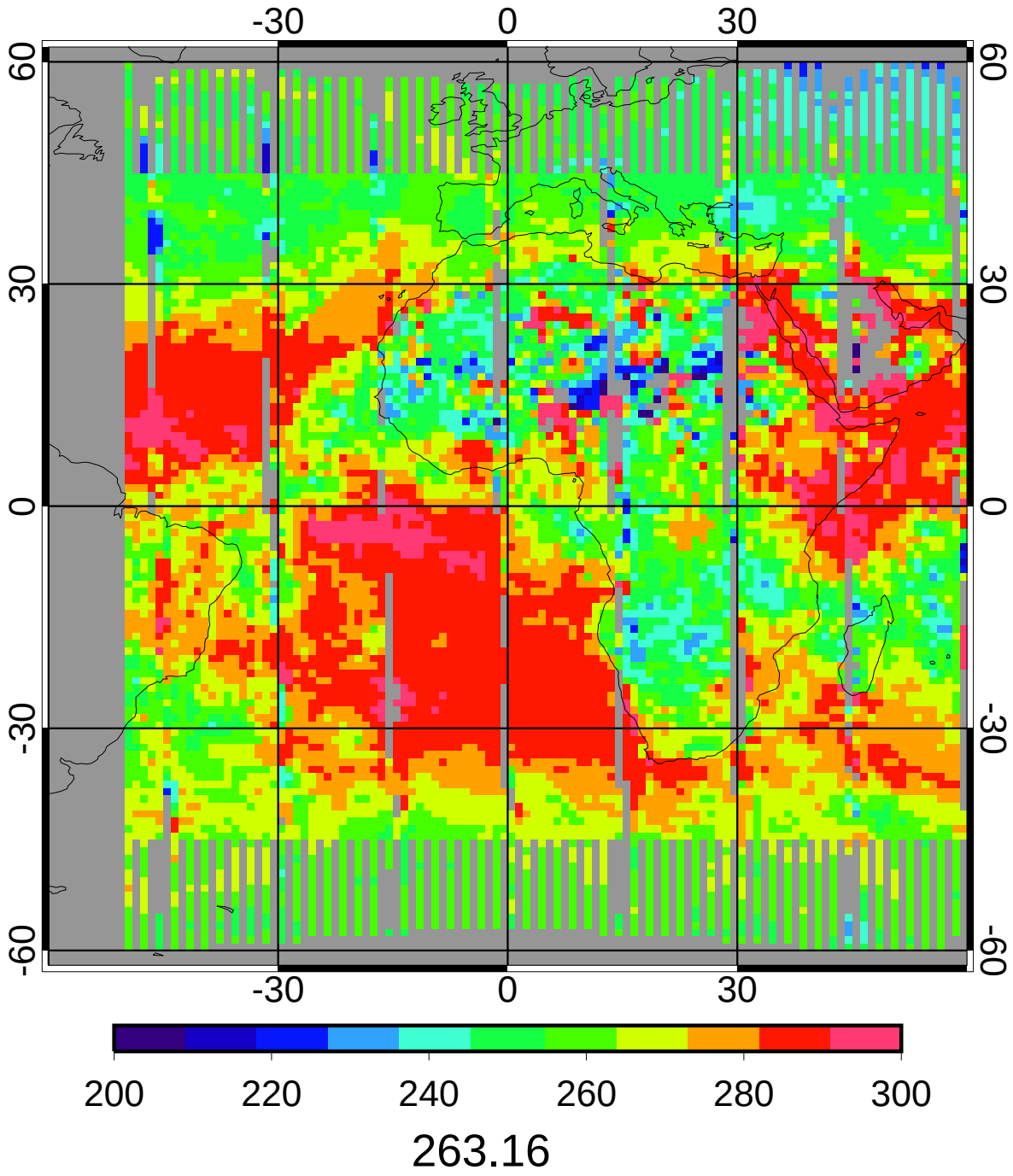
GGEO MEAN Daytime Cloud Temperature (K)

5ch Jan 2010 (lapse rate)



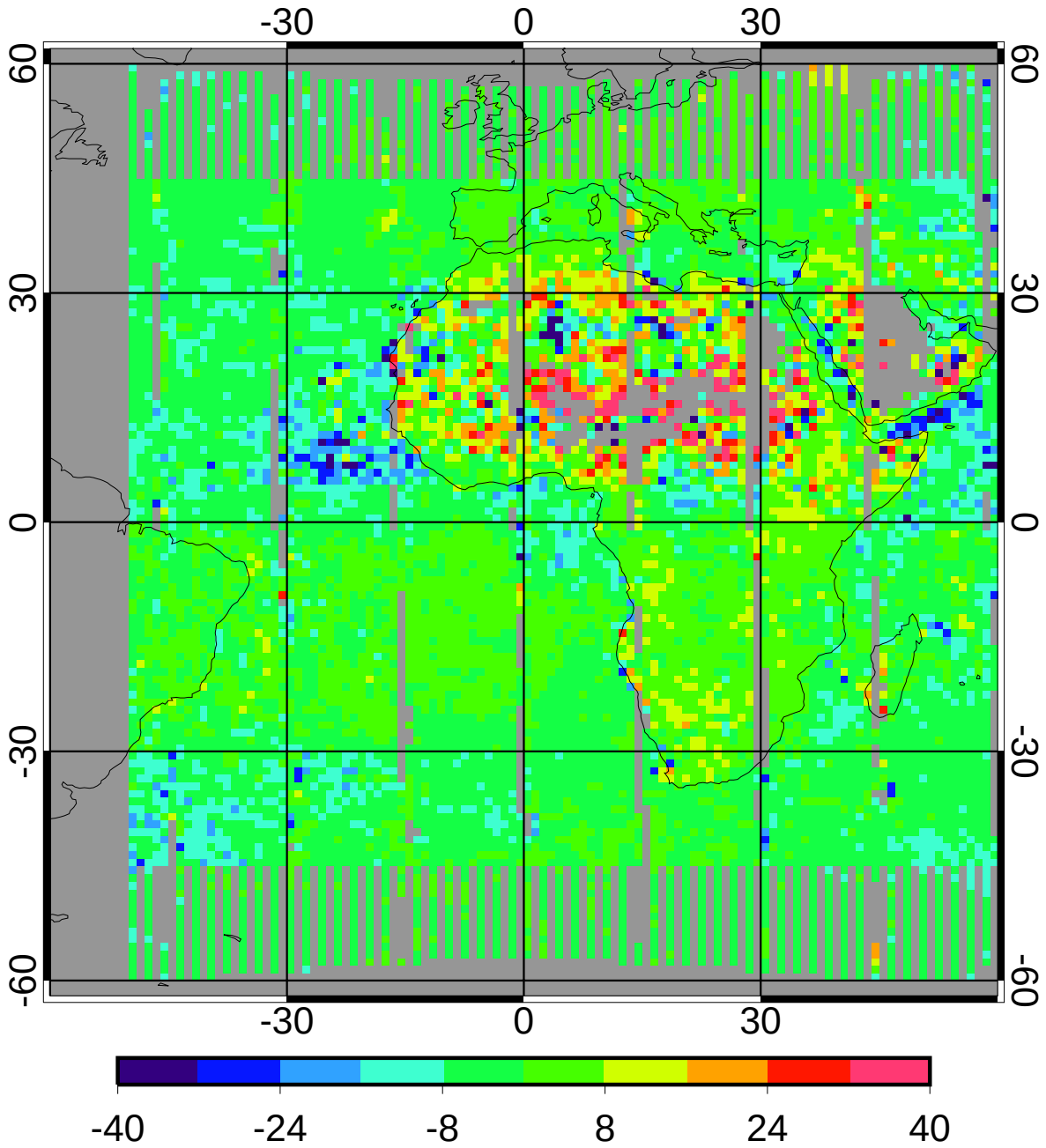
CERES/Aqua MEAN Daytime Cloud Temperature (K)

5ch Jan 2010 (lapse rate)



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

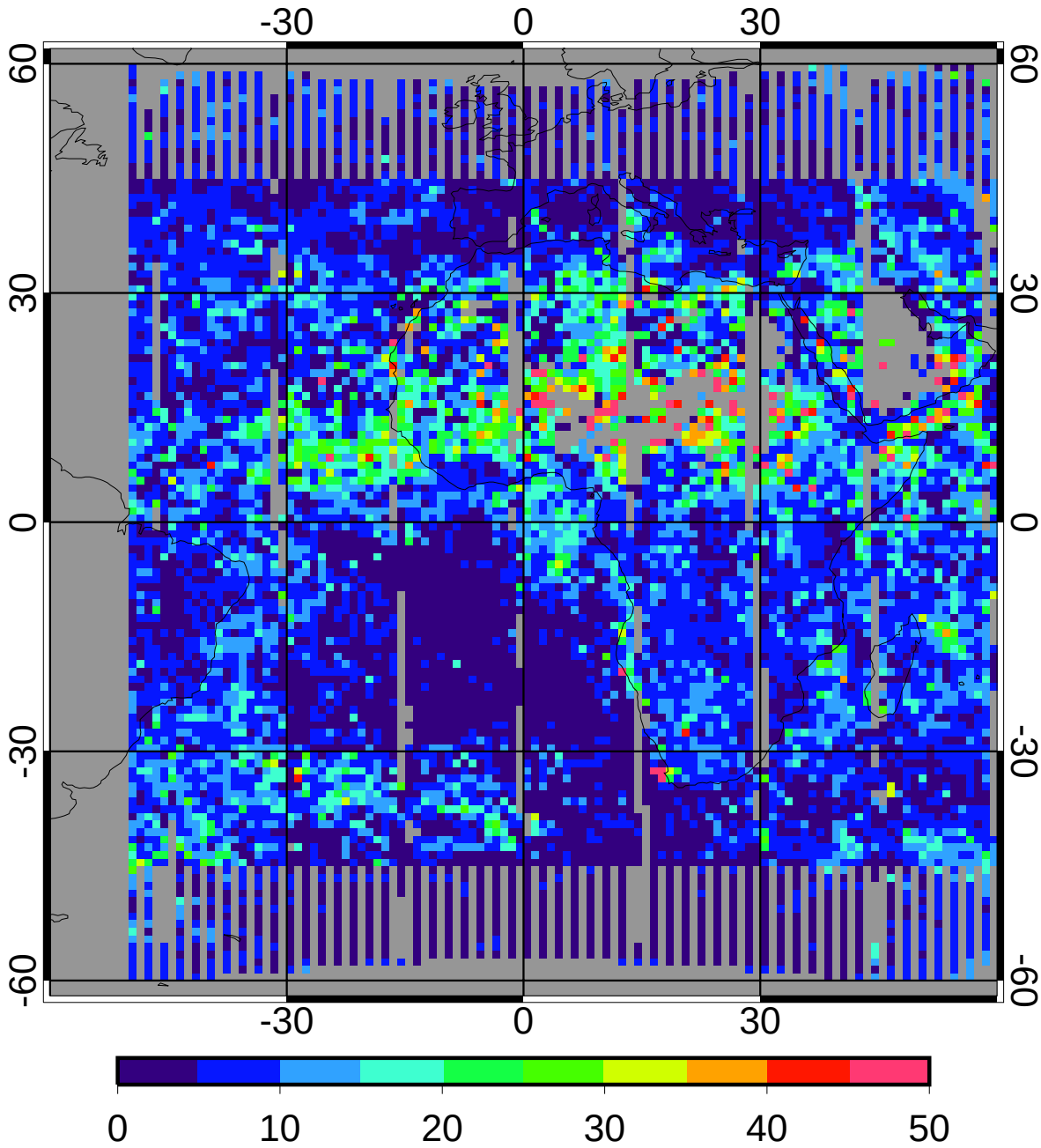
5ch Jan 2010 (lapse rate)



bias	-1.20	-0.46%
domain sigma	8.36	3.18%

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

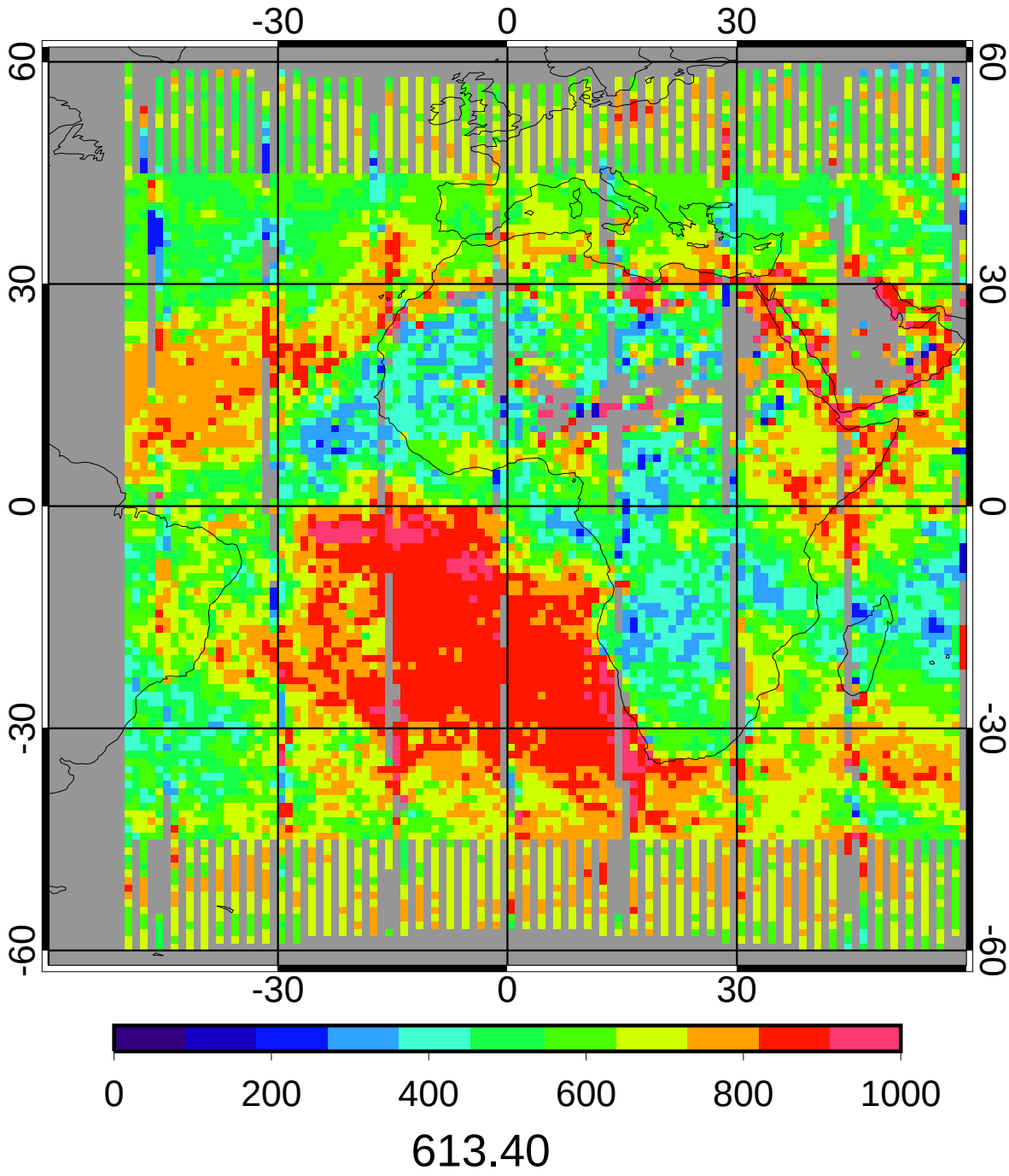
5ch Jan 2010 (lapse rate)



regave rms	8.60	3.27%
domain rms	9.40	3.57%

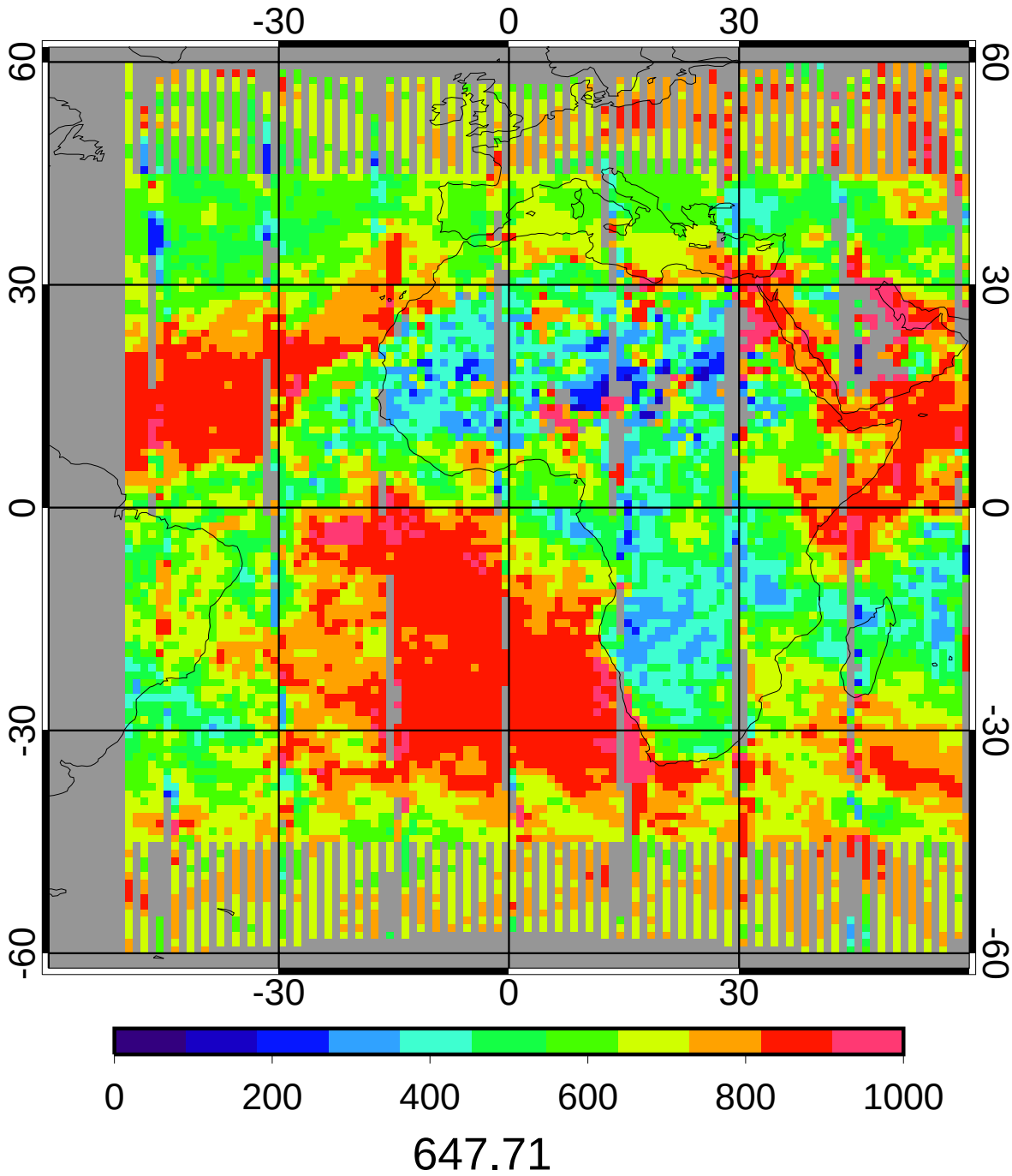
GGEO MEAN Daytime Cloud Eff Pressure (mb)

5ch Jan 2010 (lapse rate)



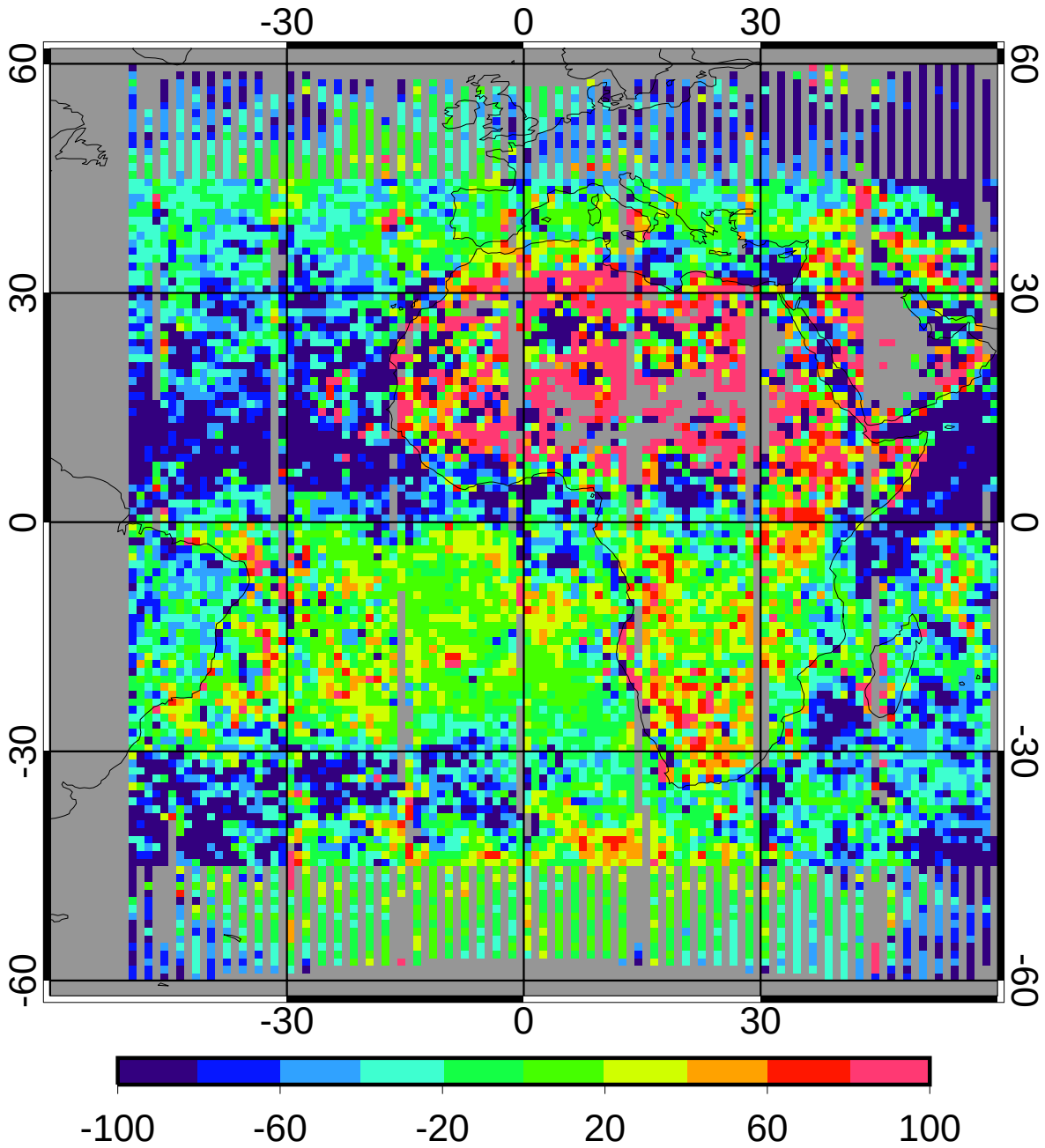
CERES/Aqua MEAN Daytime Cloud Eff Pressure (mb)

5ch Jan 2010 (lapse rate)



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

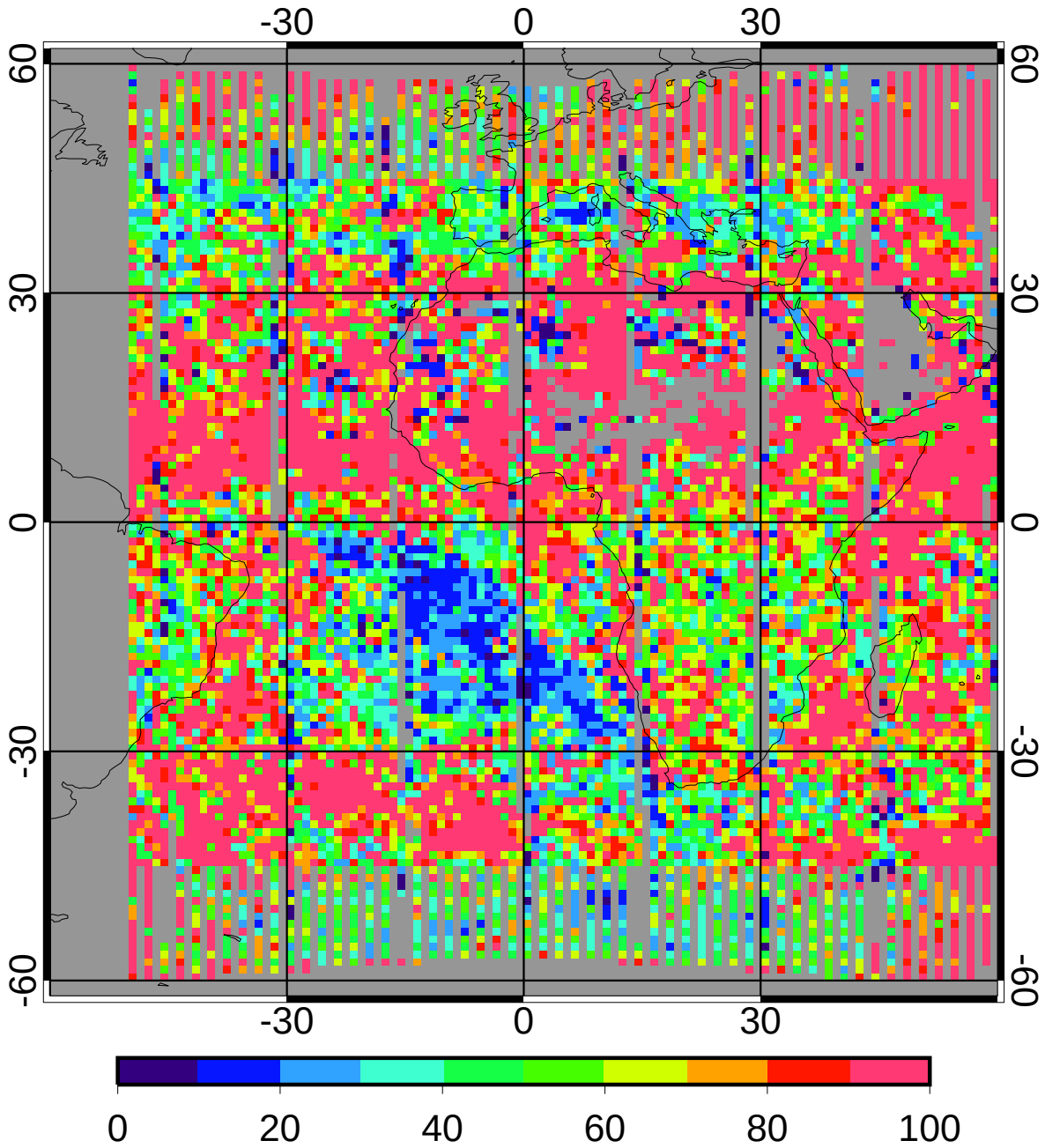
5ch Jan 2010 (lapse rate)



bias	-23.61	-3.65%
domain sigma	76.16	11.76%

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

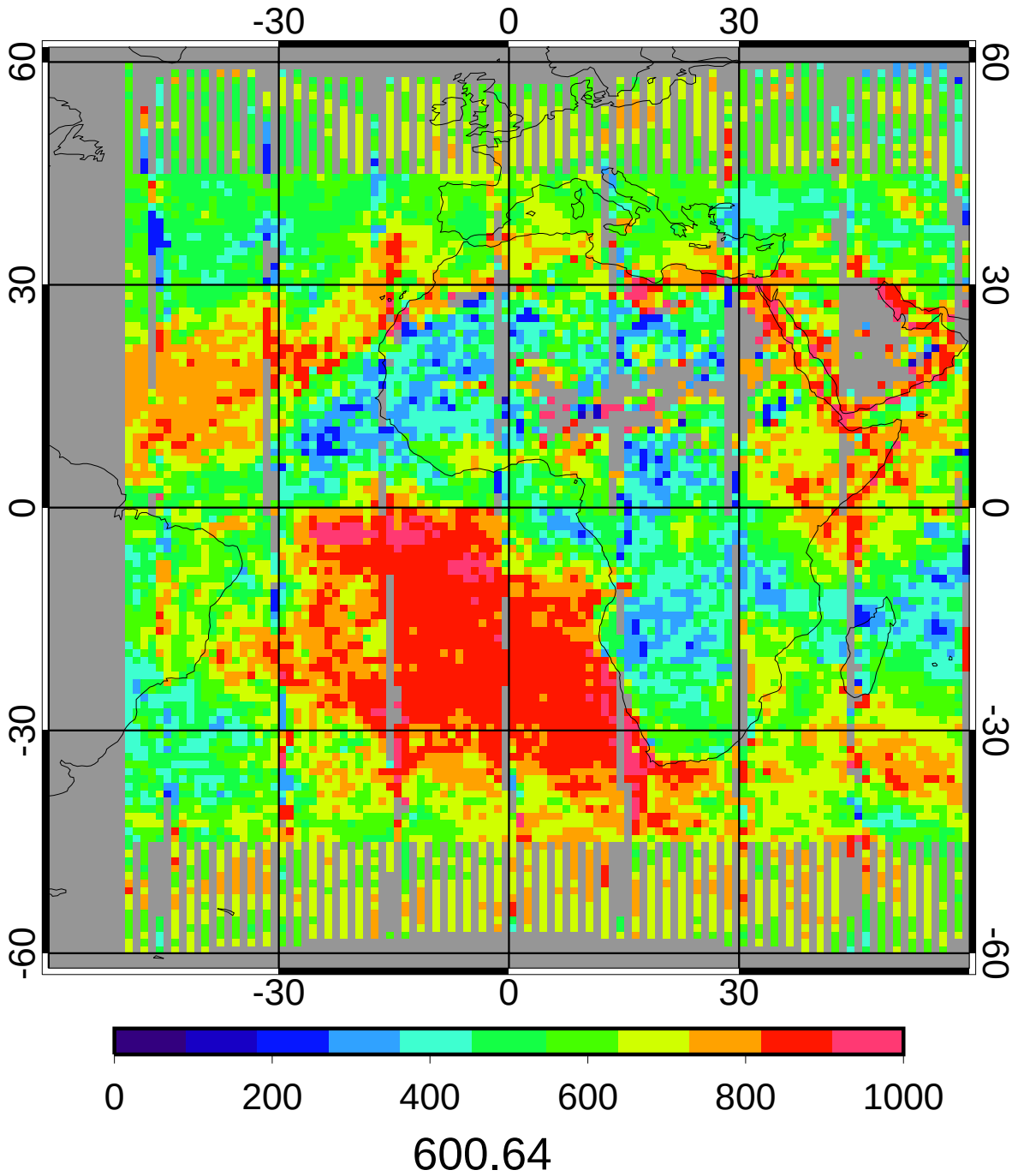
5ch Jan 2010 (lapse rate)



regave rms	86.96	13.43%
domain rms	96.15	14.84%

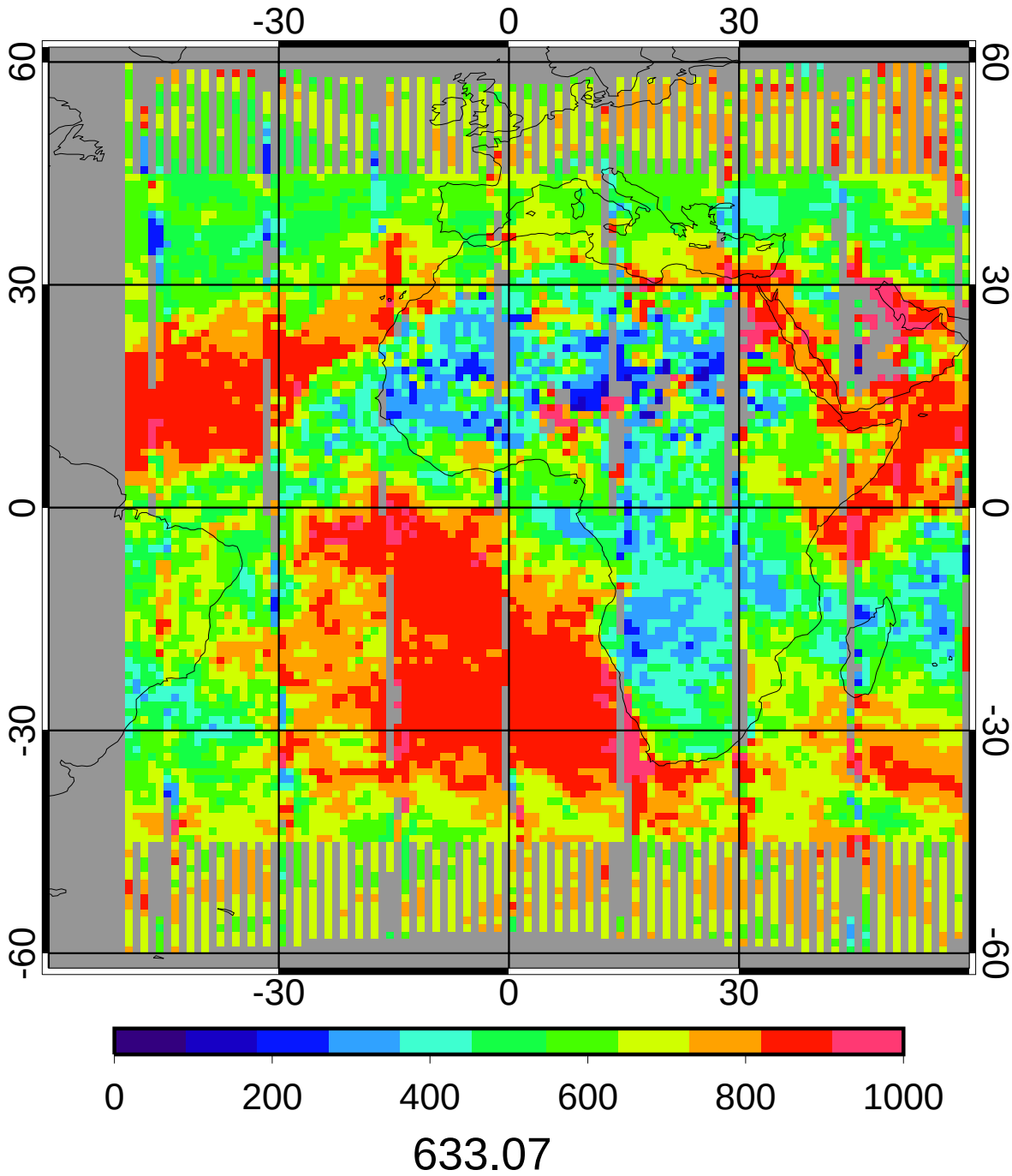
GGEO MEAN Daytime Cloud Top Pressure (mb)

5ch Jan 2010 (lapse rate)



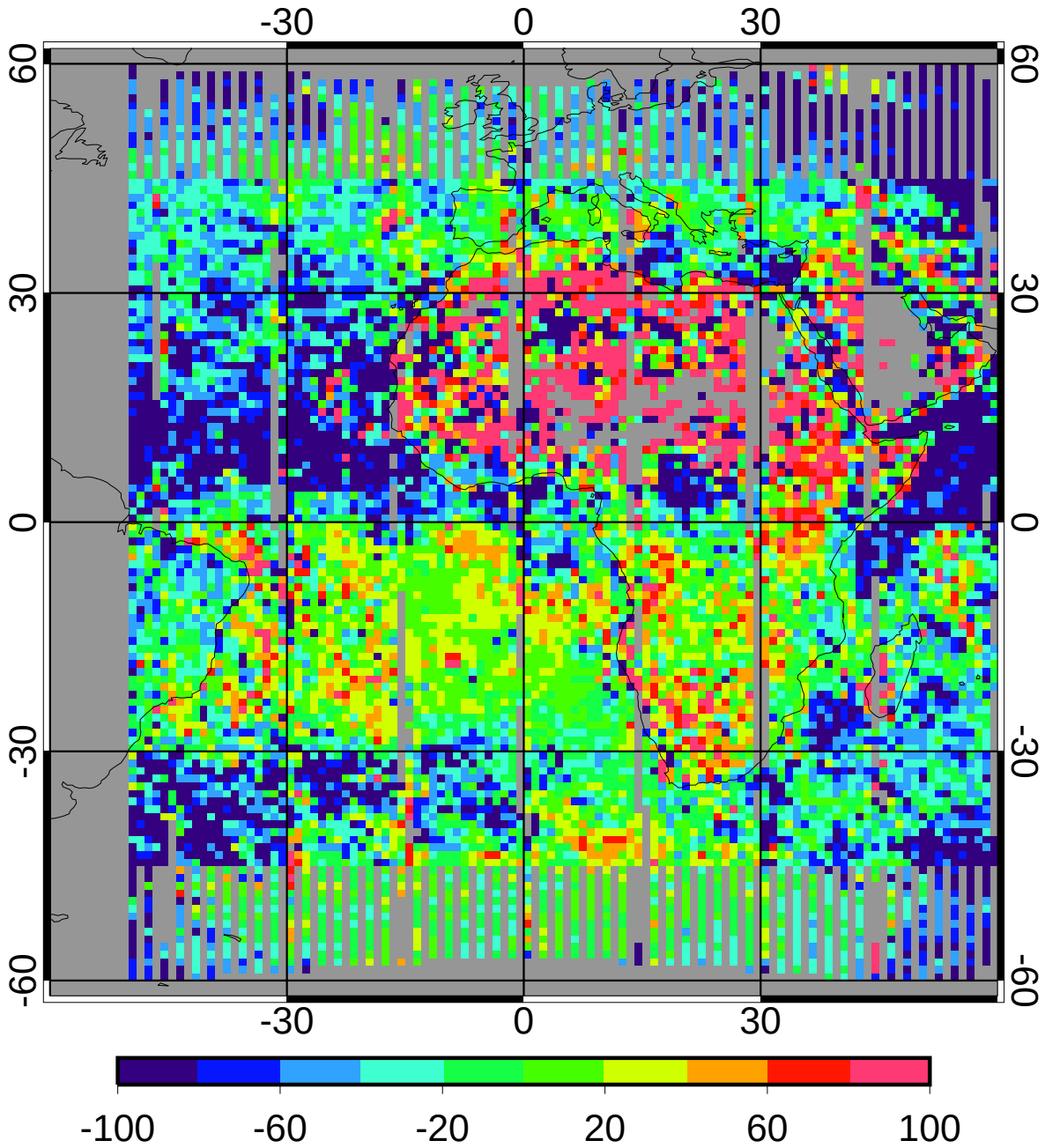
CERES/Aqua MEAN Daytime Cloud Top Pressure (mb)

5ch Jan 2010 (lapse rate)



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

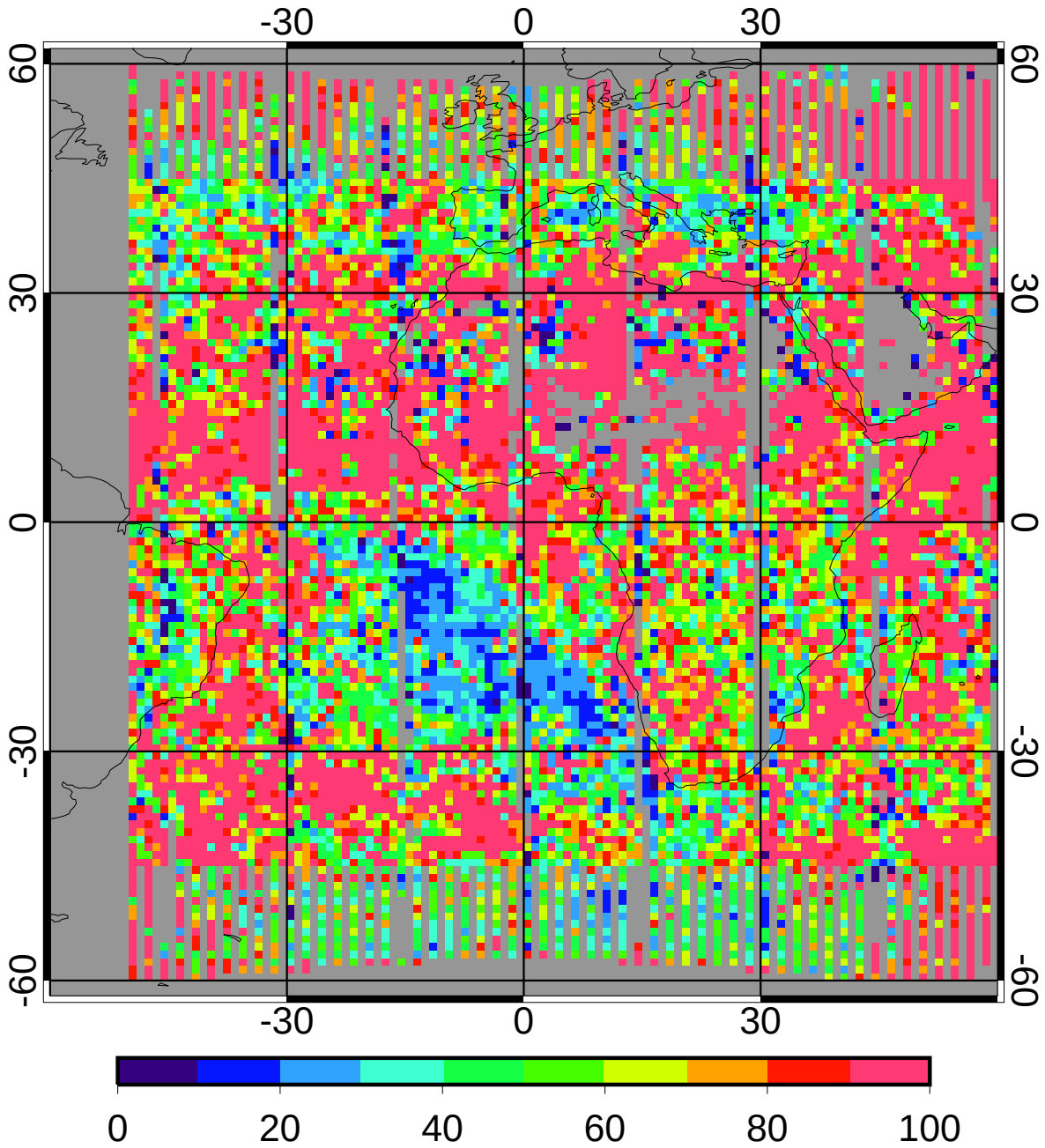
5ch Jan 2010 (lapse rate)



bias	-21.91	-3.46%
domain sigma	77.77	12.28%

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

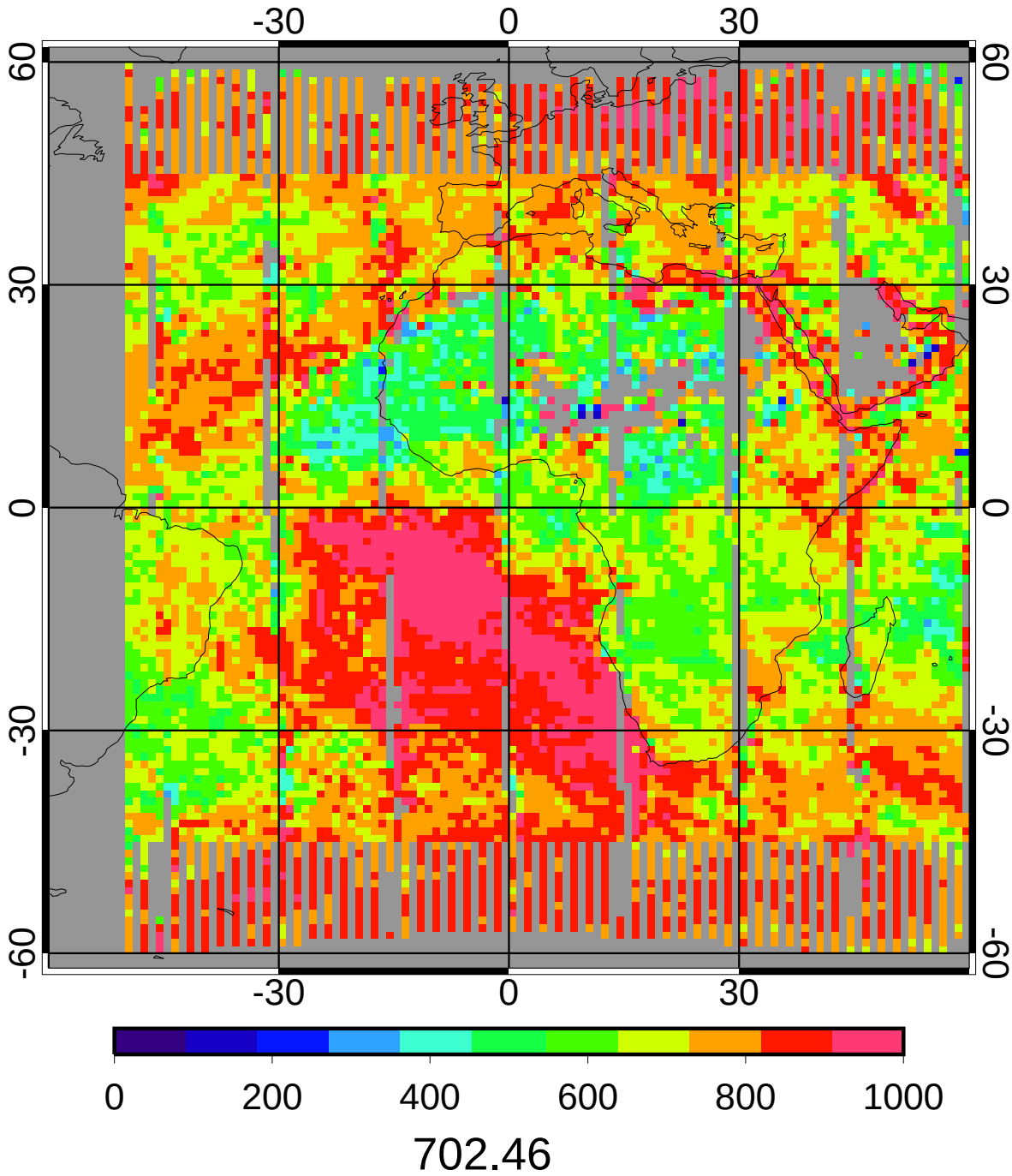
5ch Jan 2010 (lapse rate)



regave rms	88.82	14.03%
domain rms	97.64	15.42%

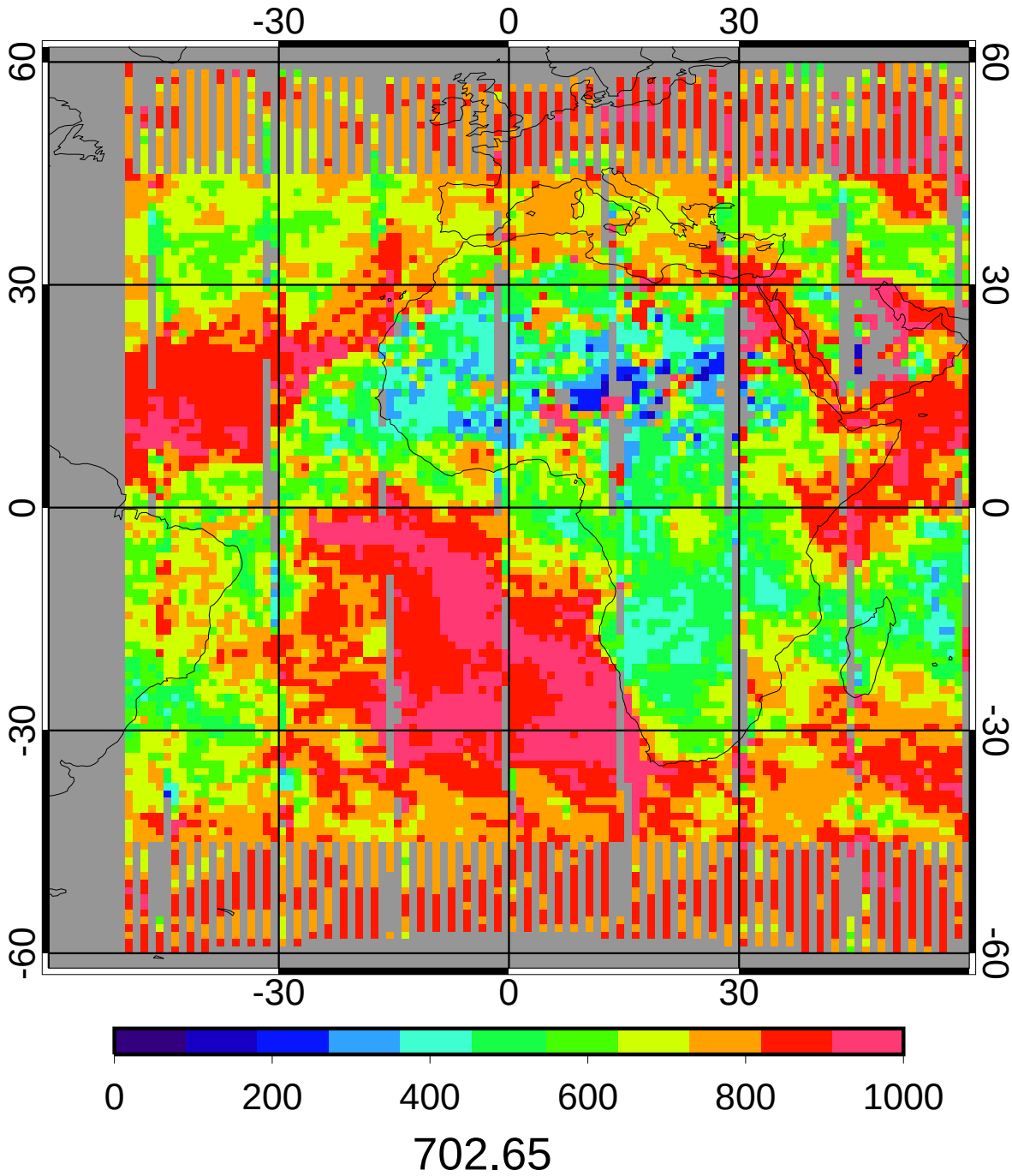
GGEO MEAN Daytime Cloud Base Pressure (mb)

5ch Jan 2010 (lapse rate)



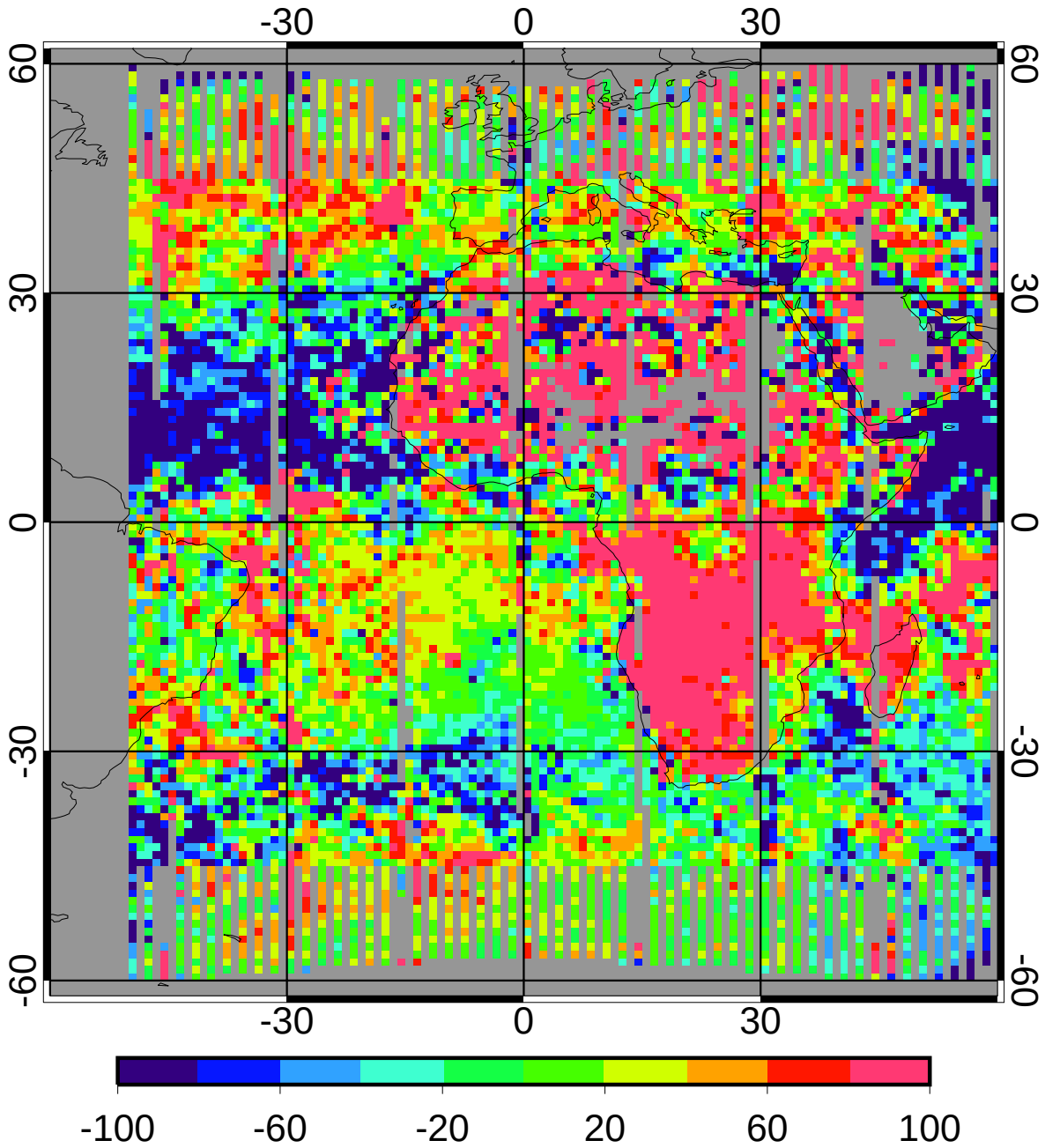
CERES/Aqua MEAN Daytime Cloud Base Pressure (mb)

5ch Jan 2010 (lapse rate)



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

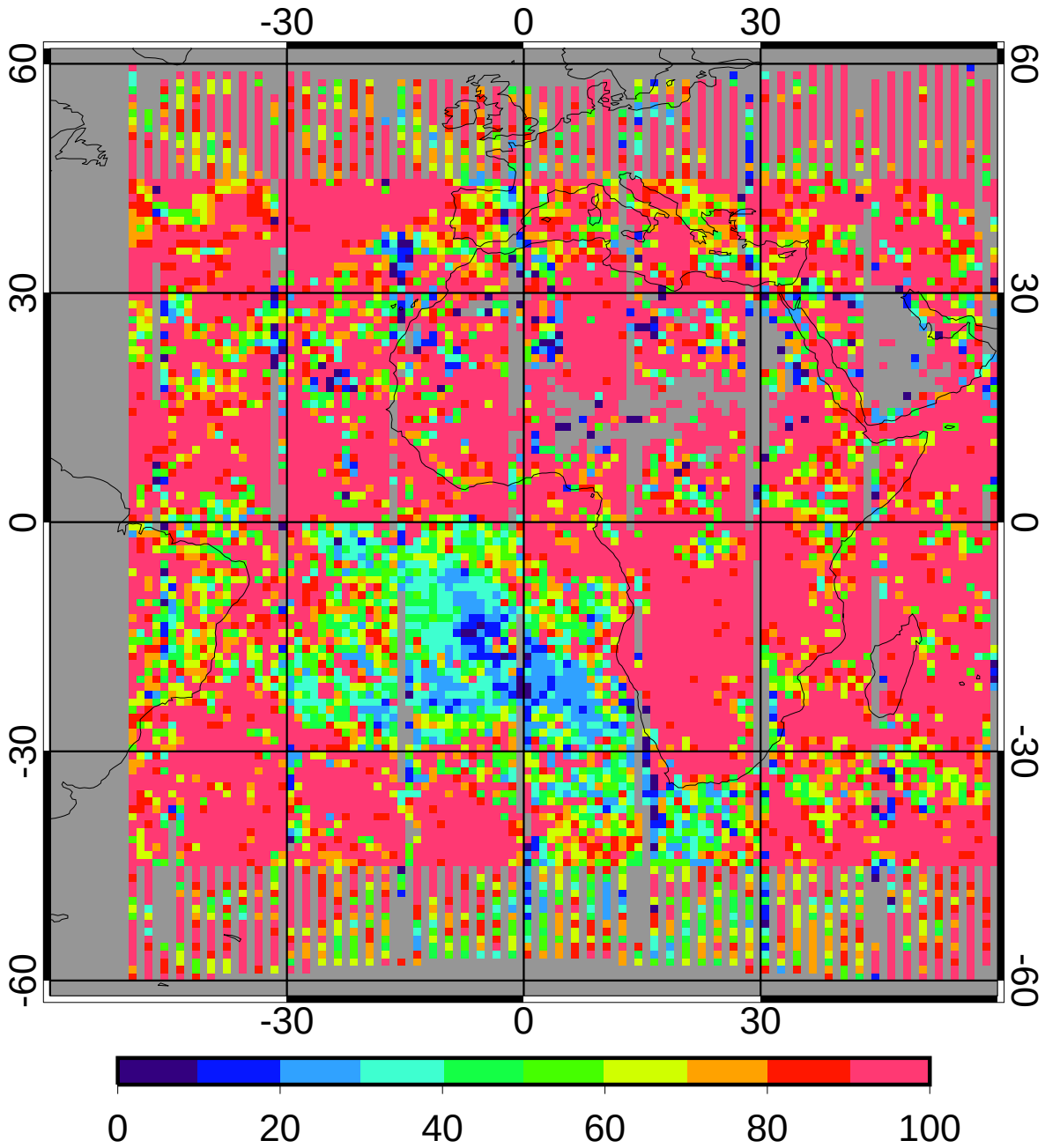
5ch Jan 2010 (lapse rate)



bias	10.66	1.52%
domain sigma	83.32	11.86%

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

5ch Jan 2010 (lapse rate)

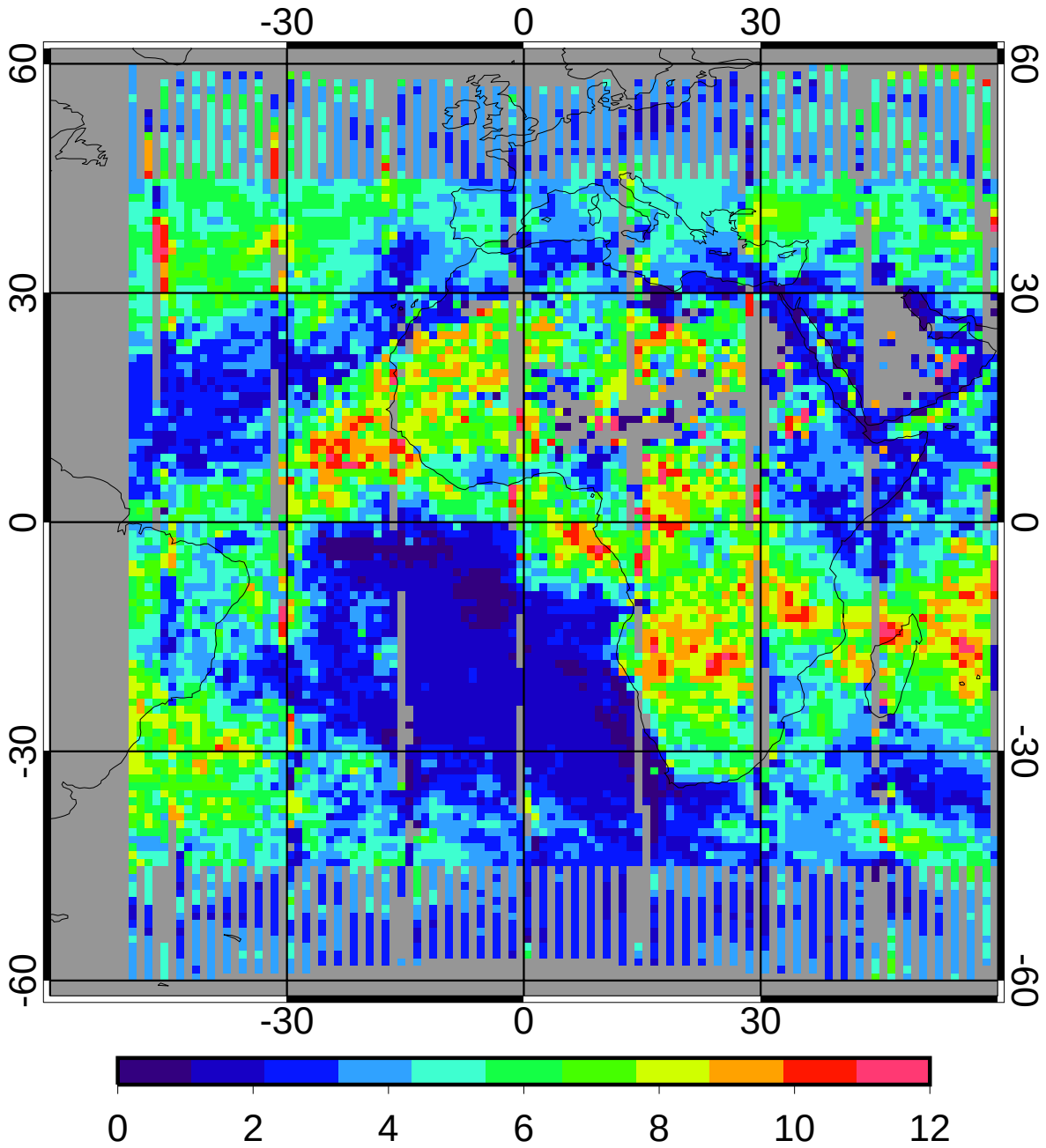


regave rms 106.04 15.09%

domain rms 112.28 15.98%

GGEO MEAN Daytime Cloud Eff Height (km)

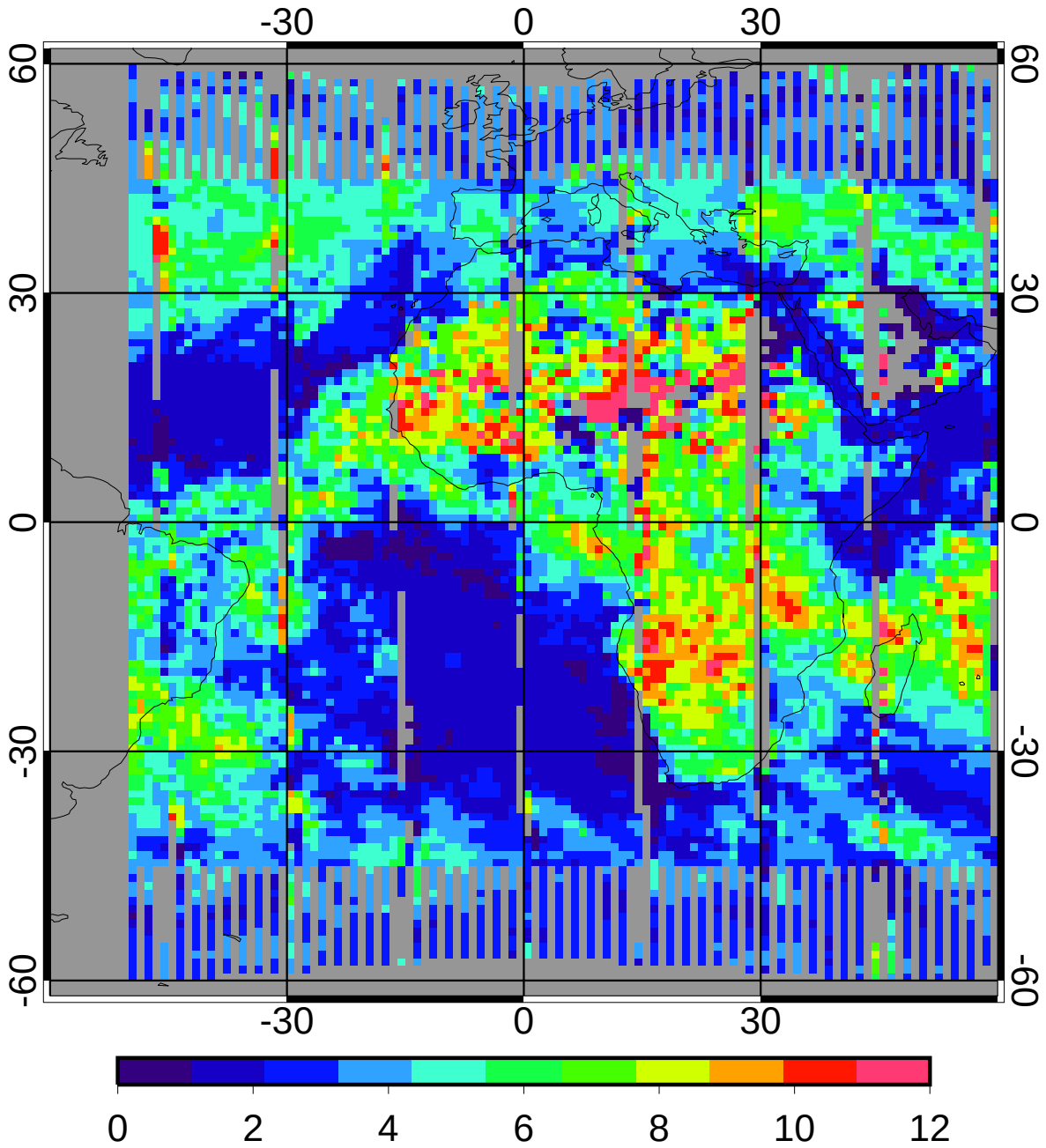
5ch Jan 2010 (lapse rate)



4.43

CERES/Aqua MEAN Daytime Cloud Eff Height (km)

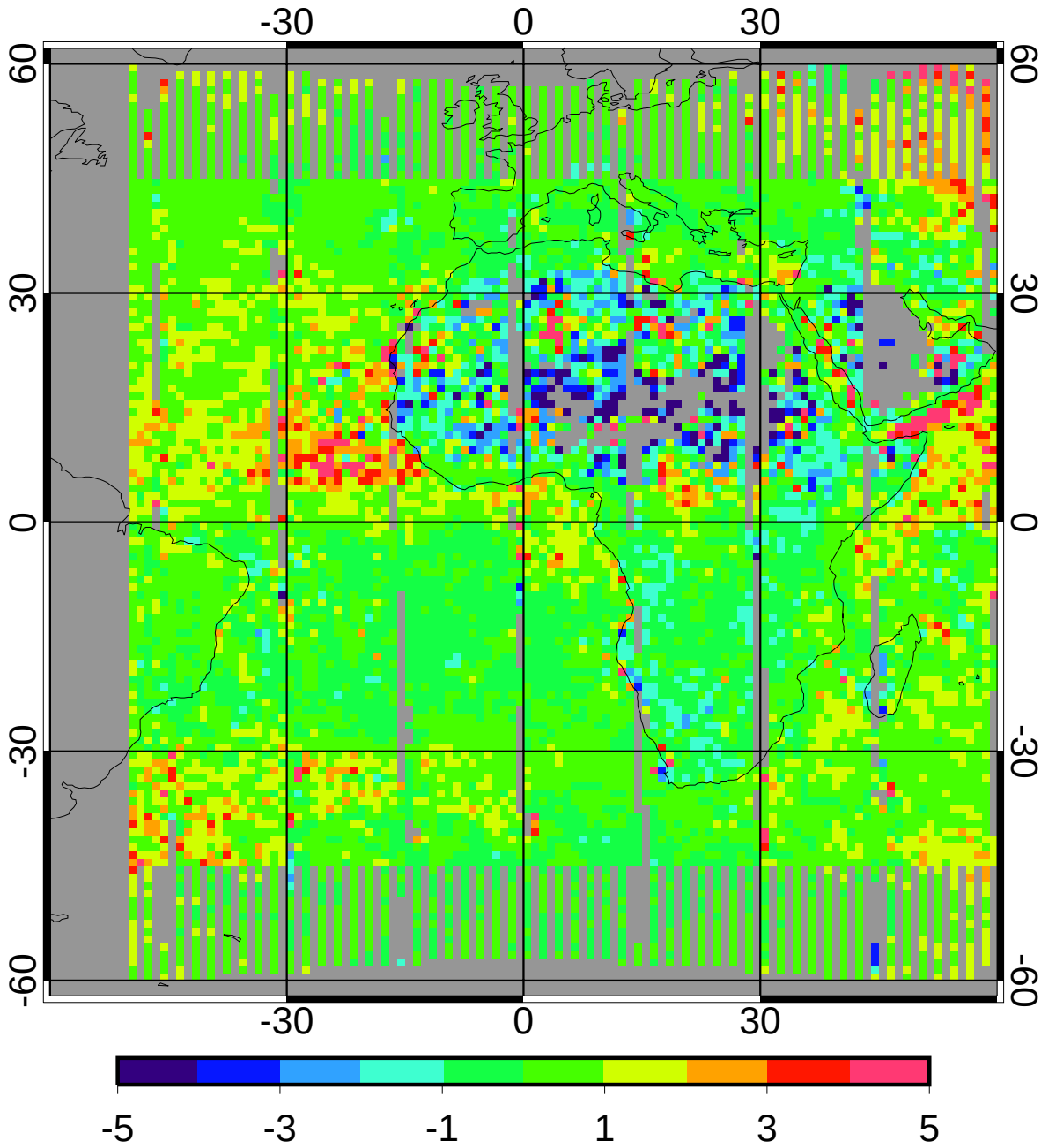
5ch Jan 2010 (lapse rate)



4.24

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

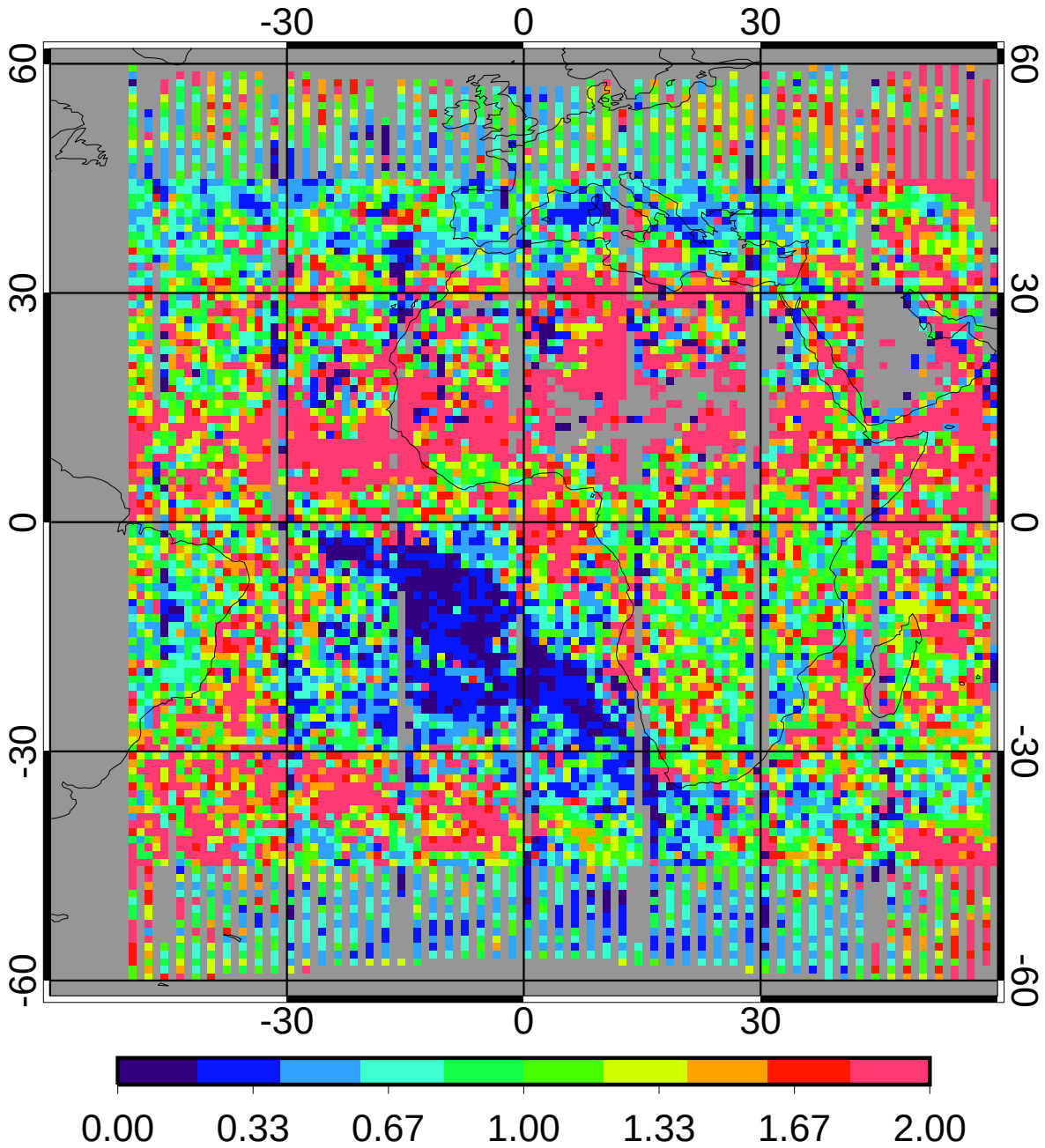
5ch Jan 2010 (lapse rate)



bias	0.28	6.57%
domain sigma	1.23	28.98%

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

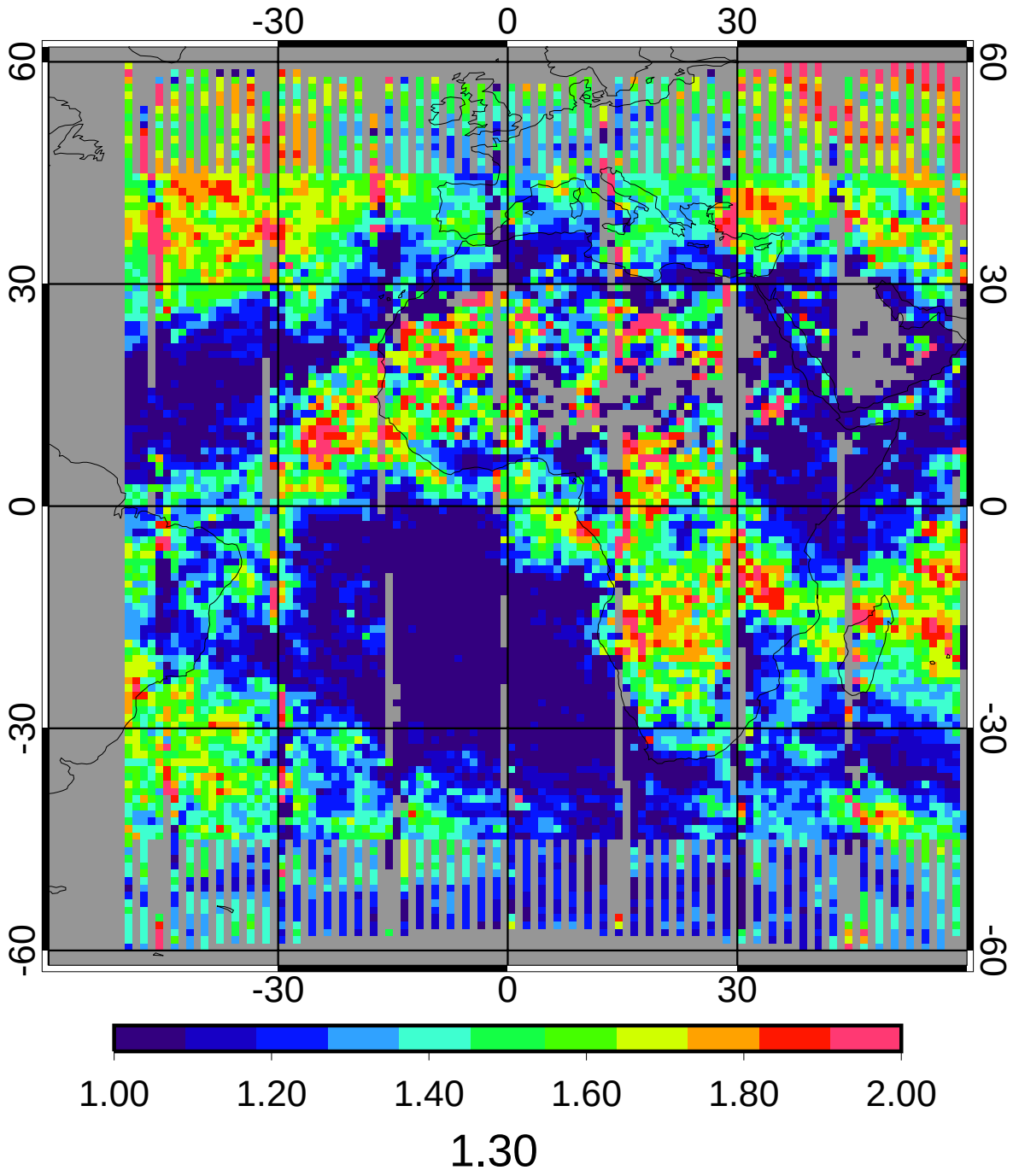
5ch Jan 2010 (lapse rate)



regave rms	1.34	31.71%
domain rms	1.48	35.02%

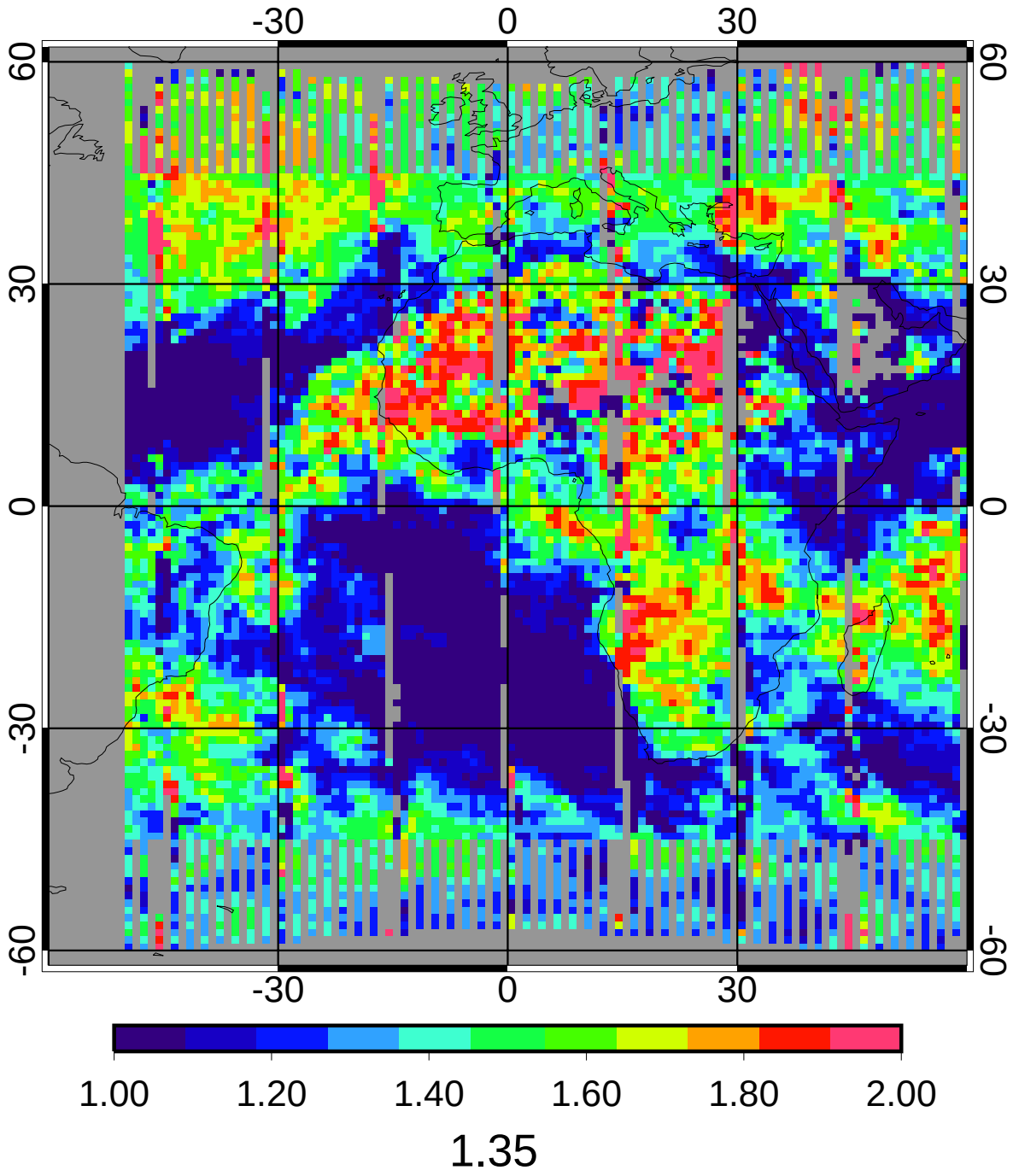
GGEO MEAN Daytime Cloud Phase

5ch Jan 2010 (lapse rate)



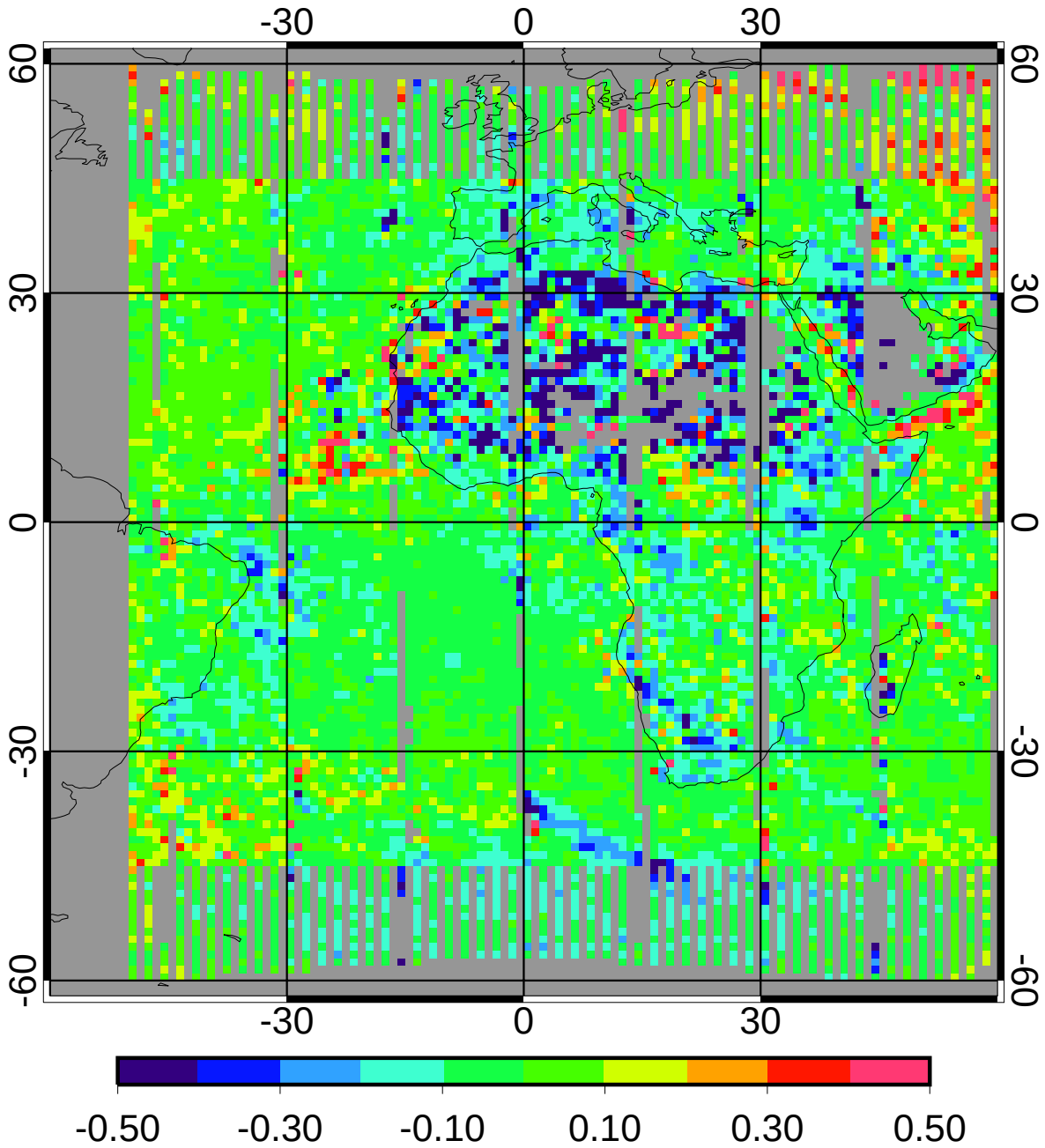
CERES/Aqua MEAN Daytime Cloud Phase

5ch Jan 2010 (lapse rate)



GGEO - CERES/Aqua Daytime Cloud Phase Bias

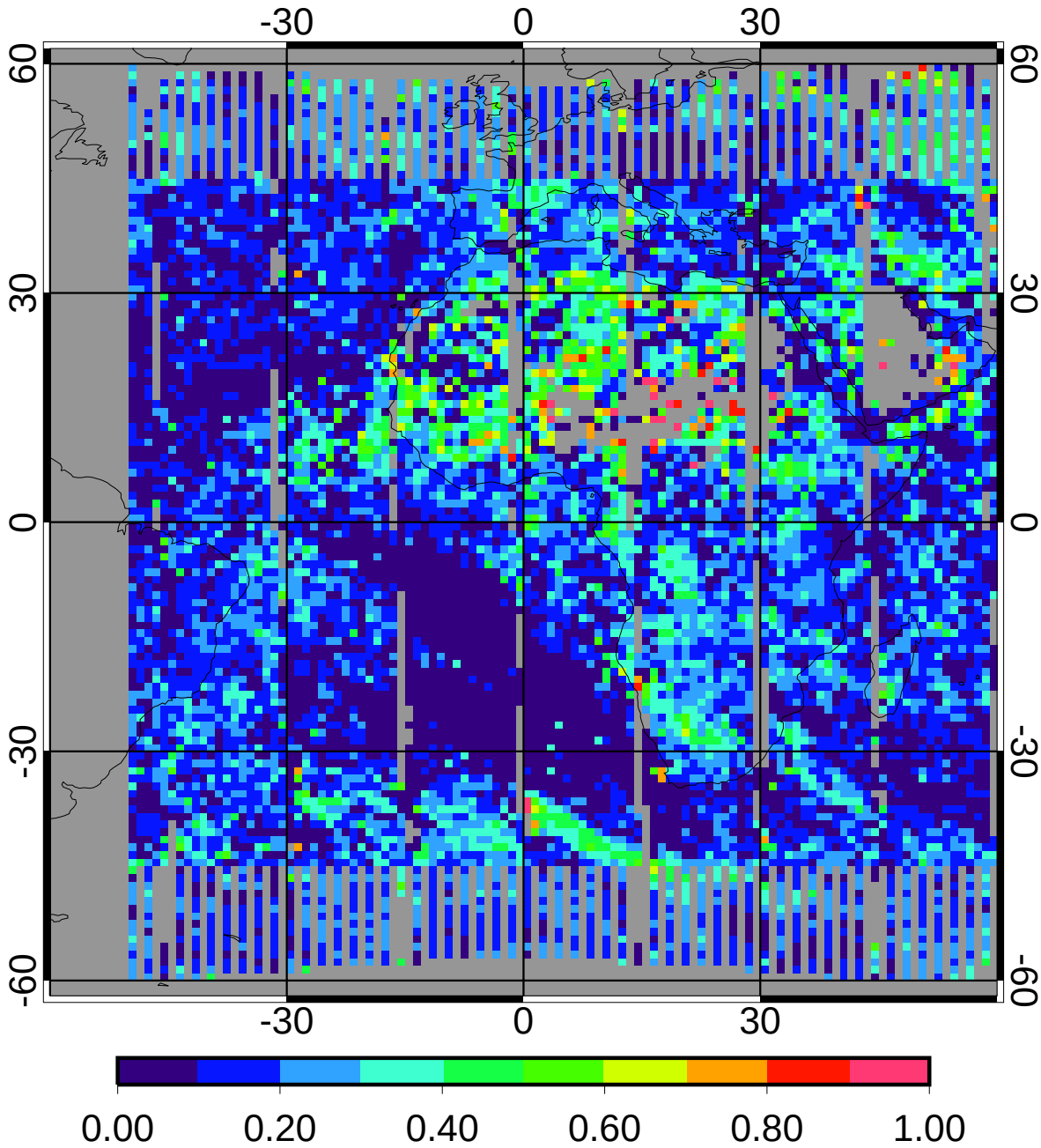
5ch Jan 2010 (lapse rate)



bias	-0.03	-2.57%
domain sigma	0.14	10.39%

GGEO - CERES/Aqua Daytime Cloud Phase RMS

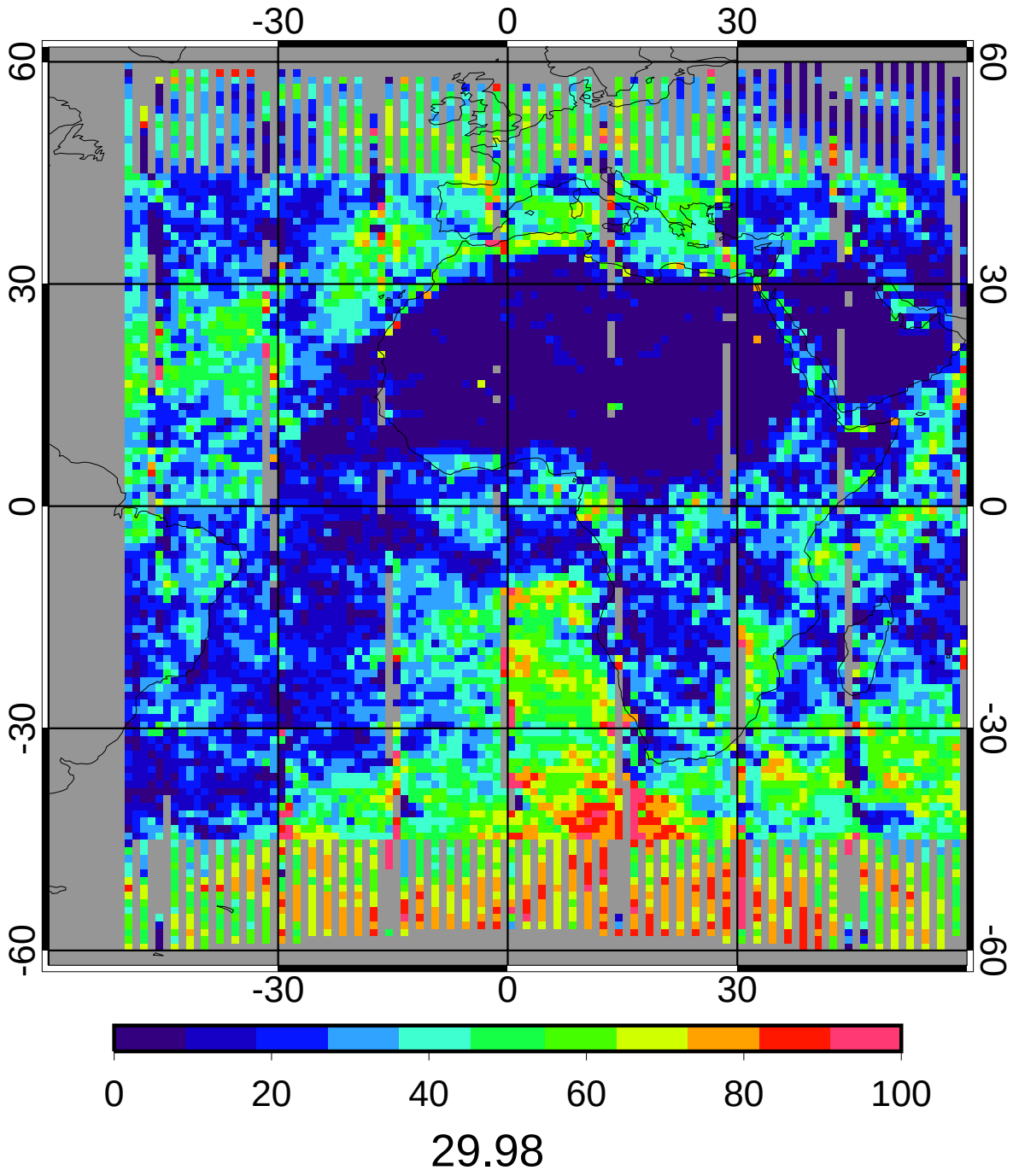
5ch Jan 2010 (lapse rate)



regave rms	0.18	13.10%
domain rms	0.20	14.63%

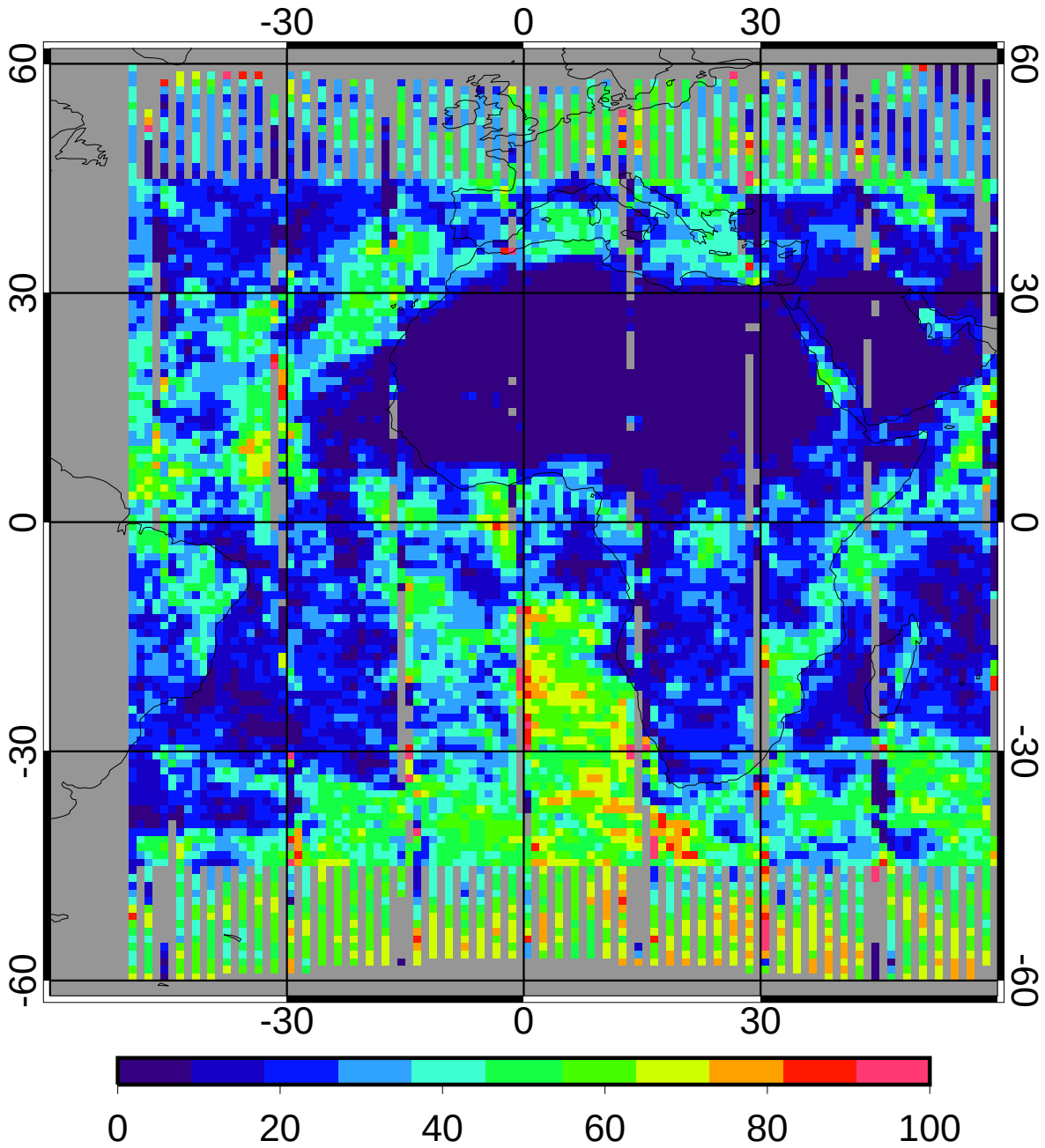
GGEO MEAN Daytime Liquid Cld Amt (%)

5ch Jan 2010 (lapse rate)



CERES/Aqua MEAN Daytime Liquid Cld Amt (%)

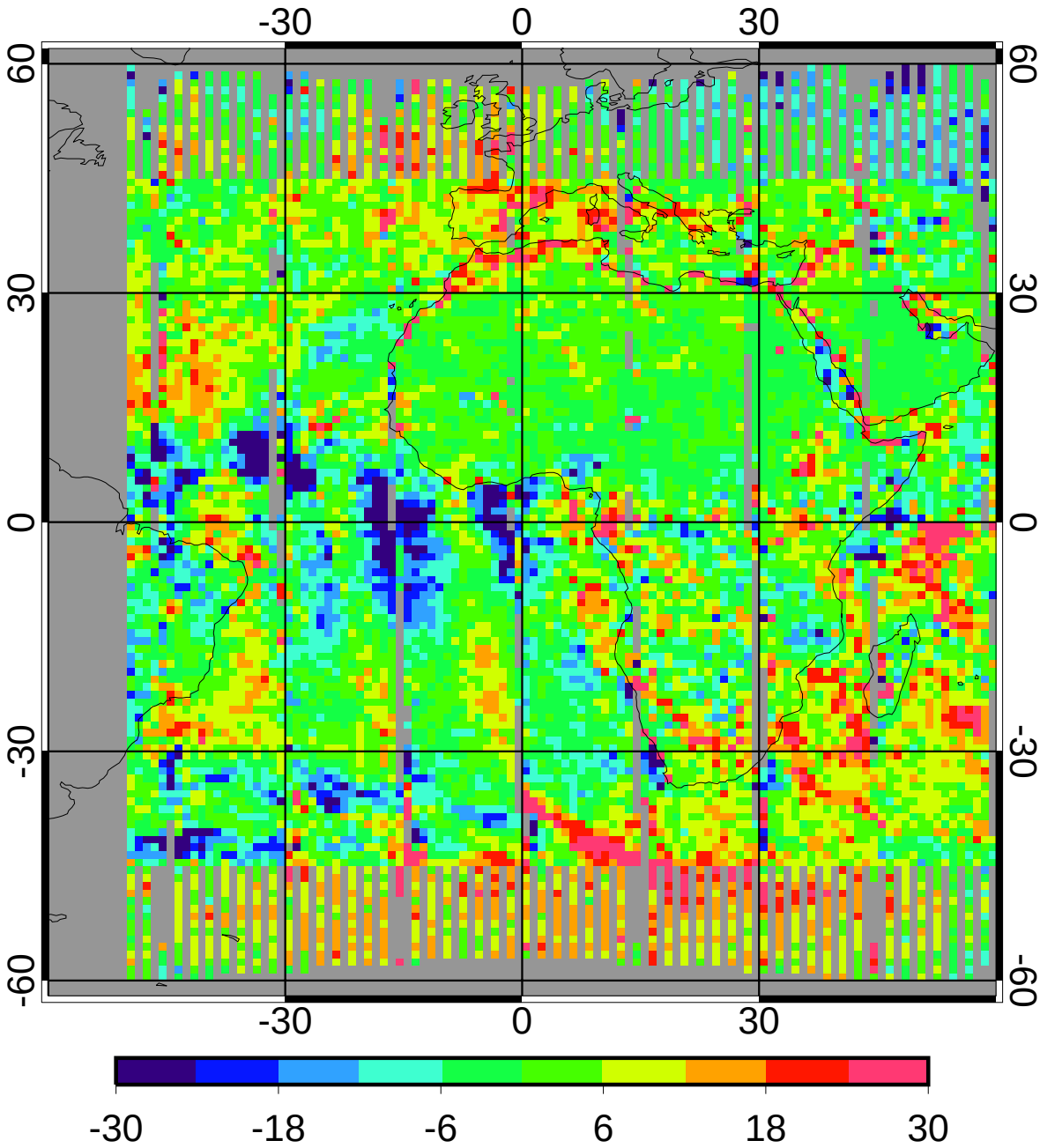
5ch Jan 2010 (lapse rate)



28.08

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

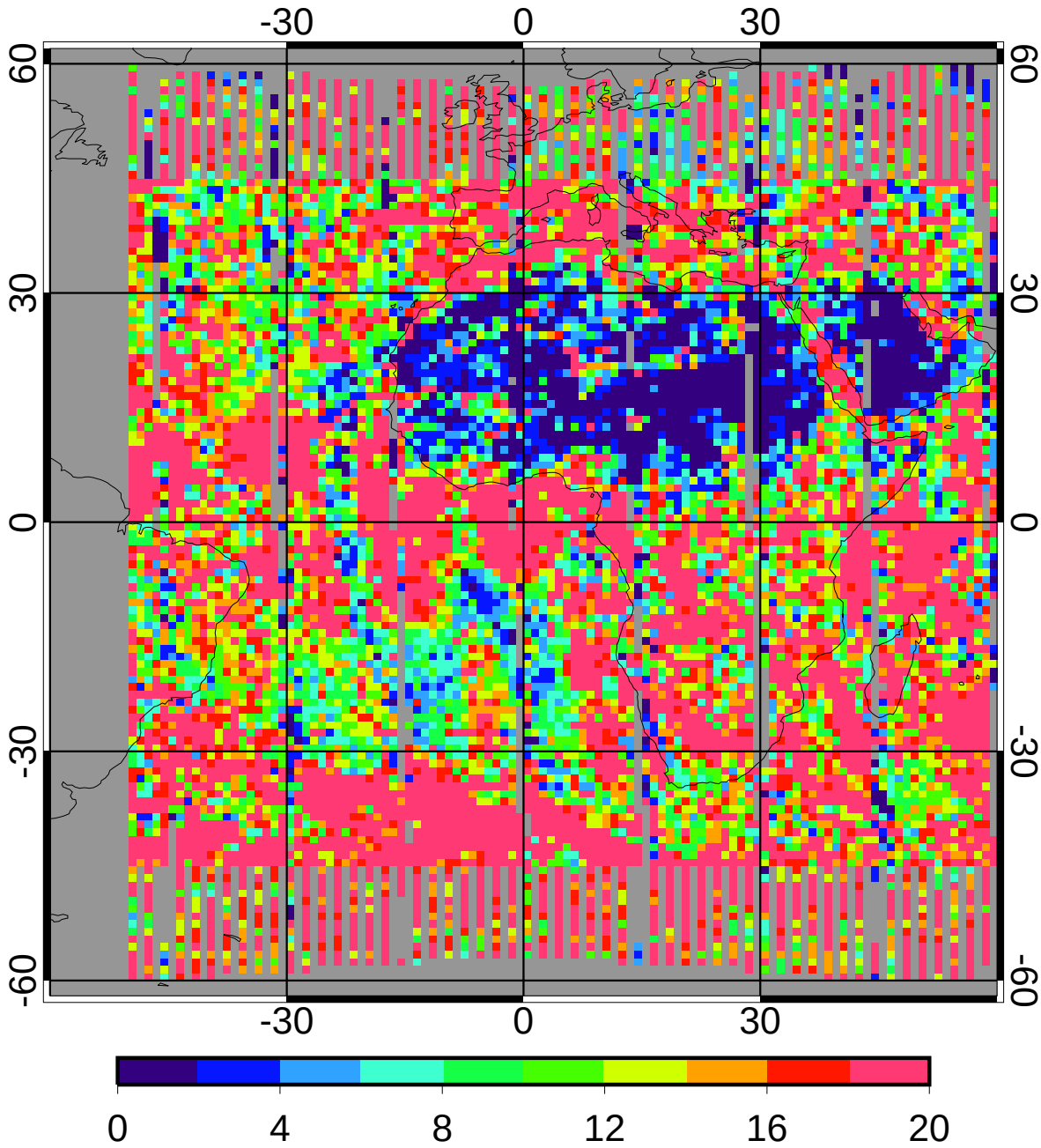
5ch Jan 2010 (lapse rate)



bias	1.90	6.78%
domain sigma	9.94	35.39%

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

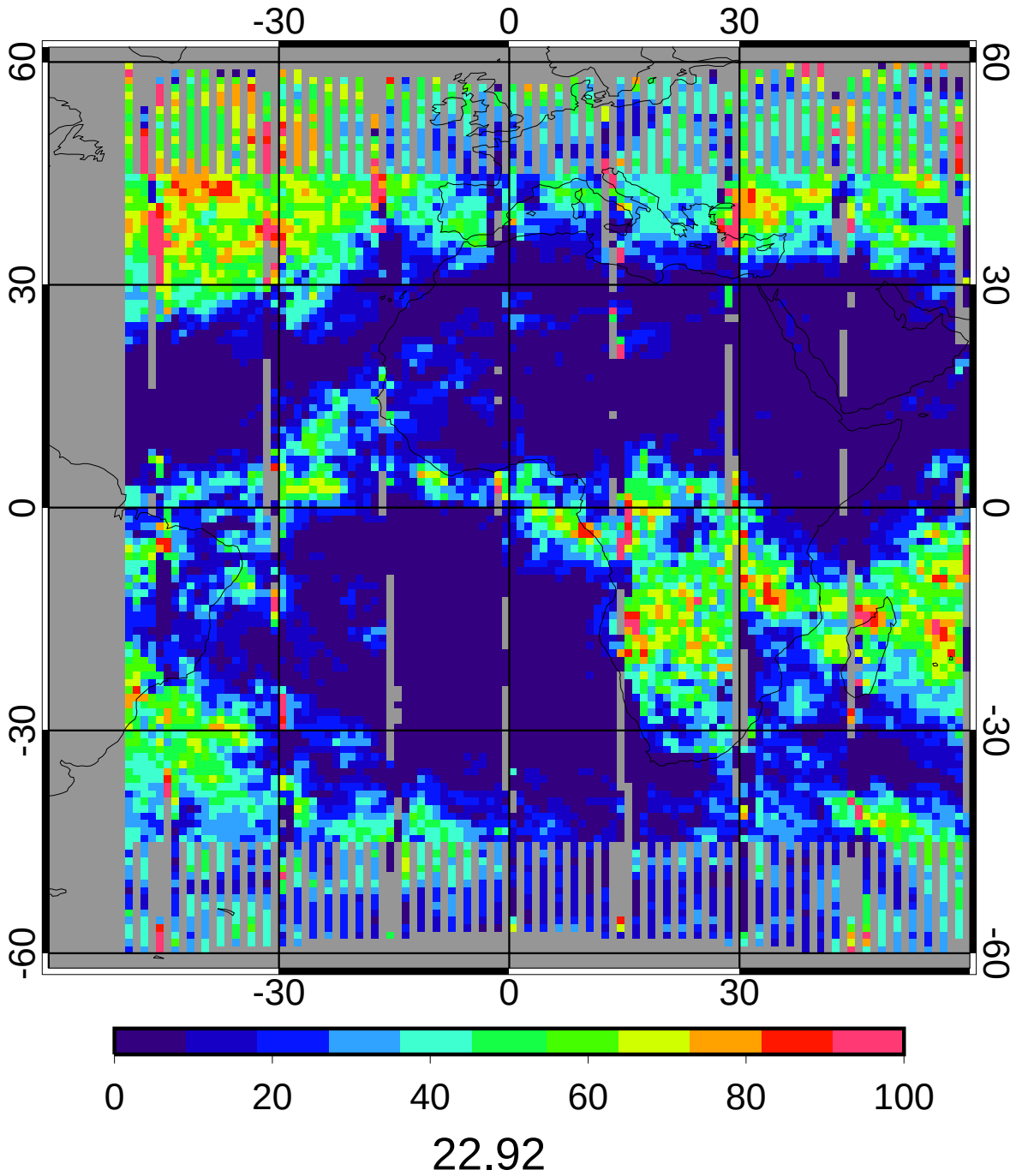
5ch Jan 2010 (lapse rate)



regave rms	15.94	56.76%
domain rms	18.24	64.96%

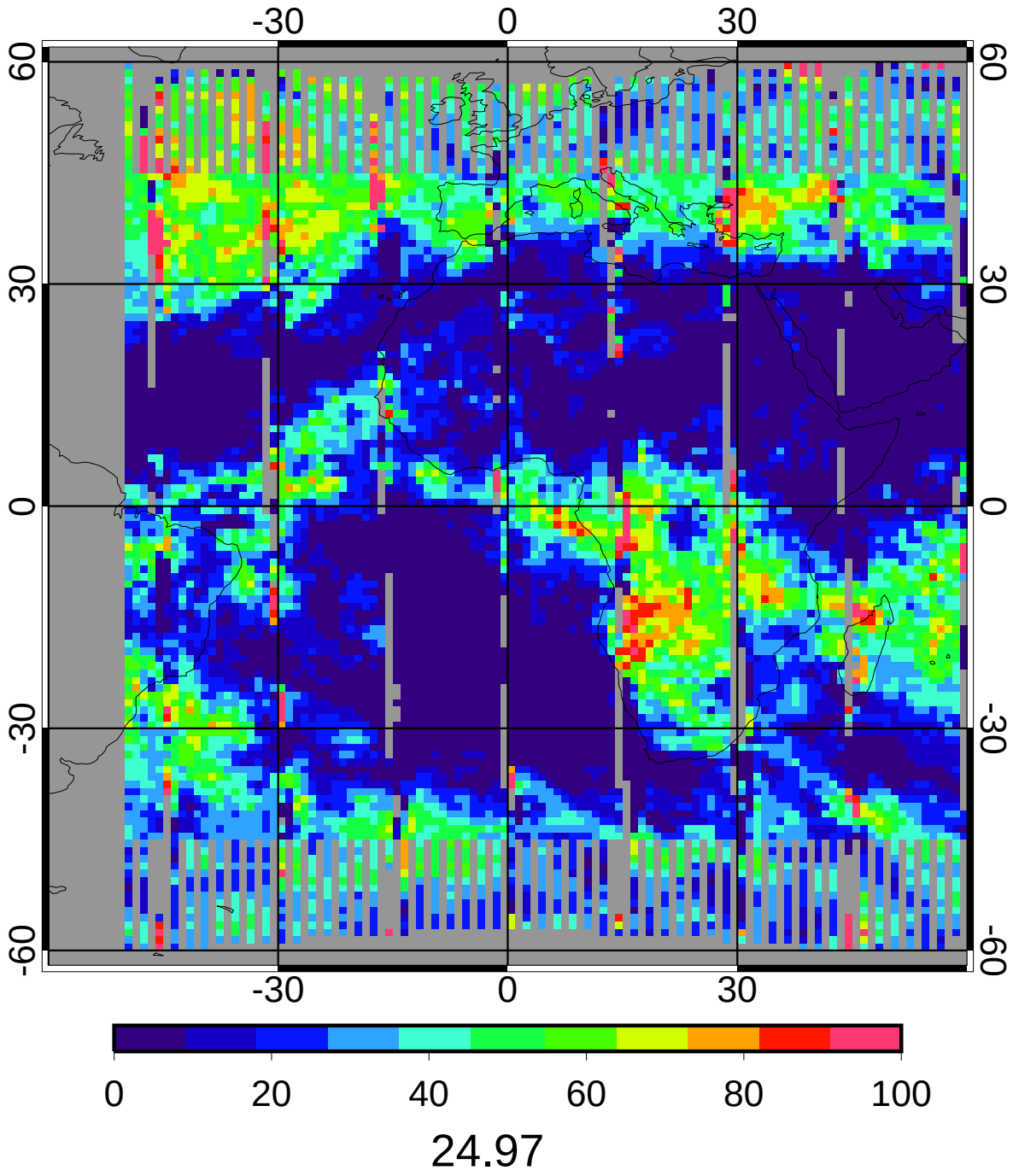
GGEO MEAN Daytime Ice Cld Amt (%)

5ch Jan 2010 (lapse rate)



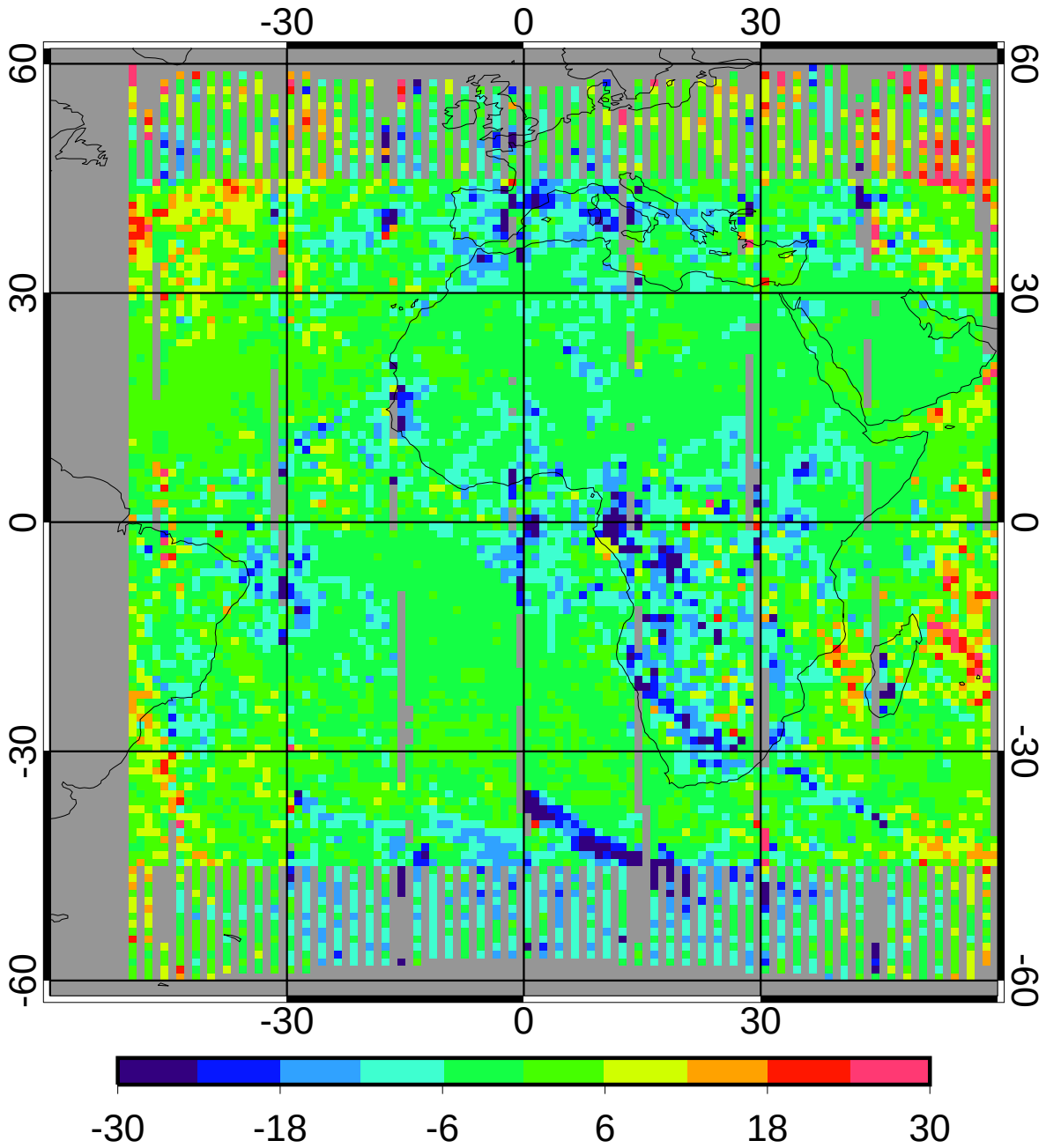
CERES/Aqua MEAN Daytime Ice Cld Amt (%)

5ch Jan 2010 (lapse rate)



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

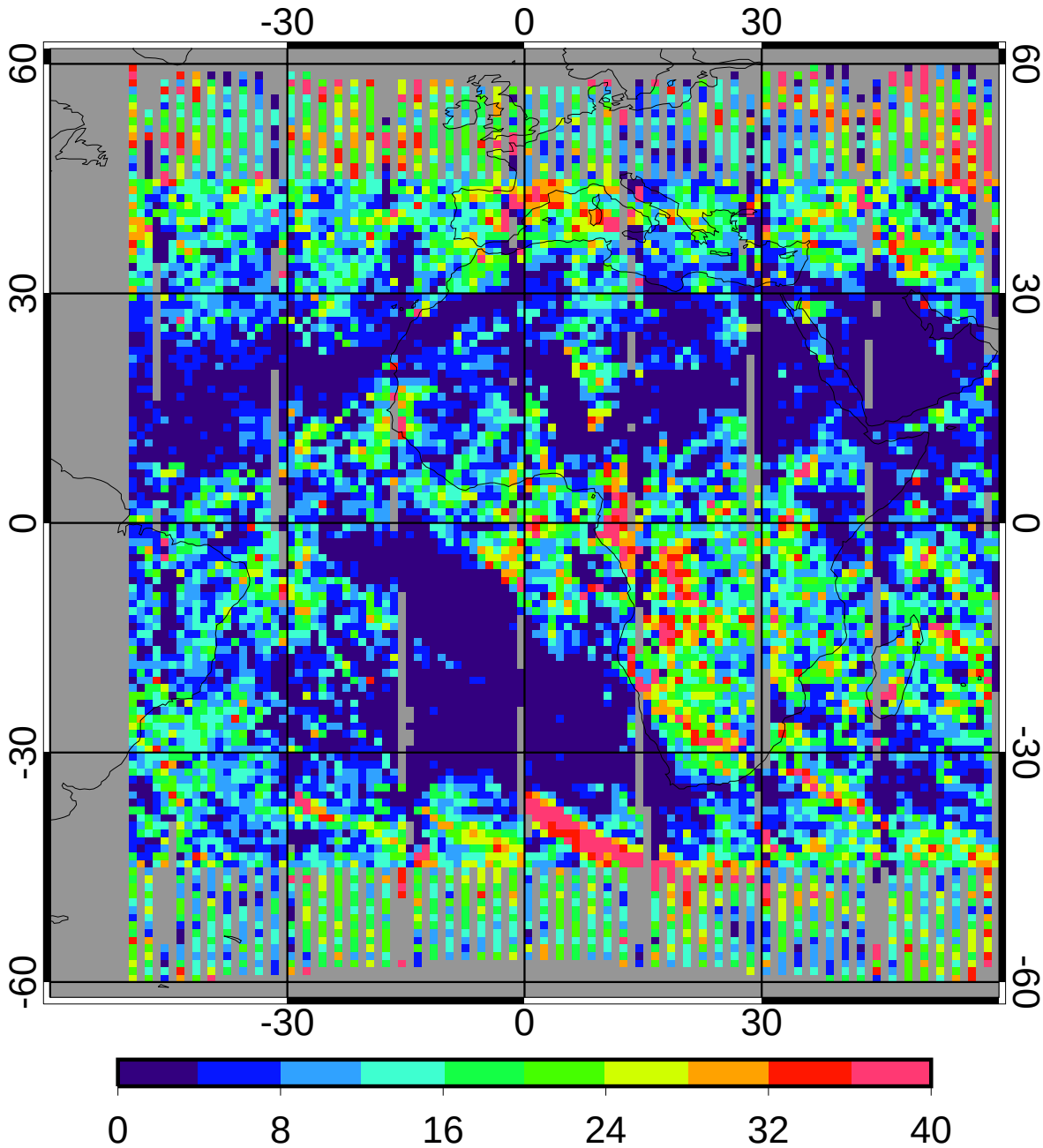
5ch Jan 2010 (lapse rate)



bias	-2.05	-8.20%
domain sigma	6.95	27.83%

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

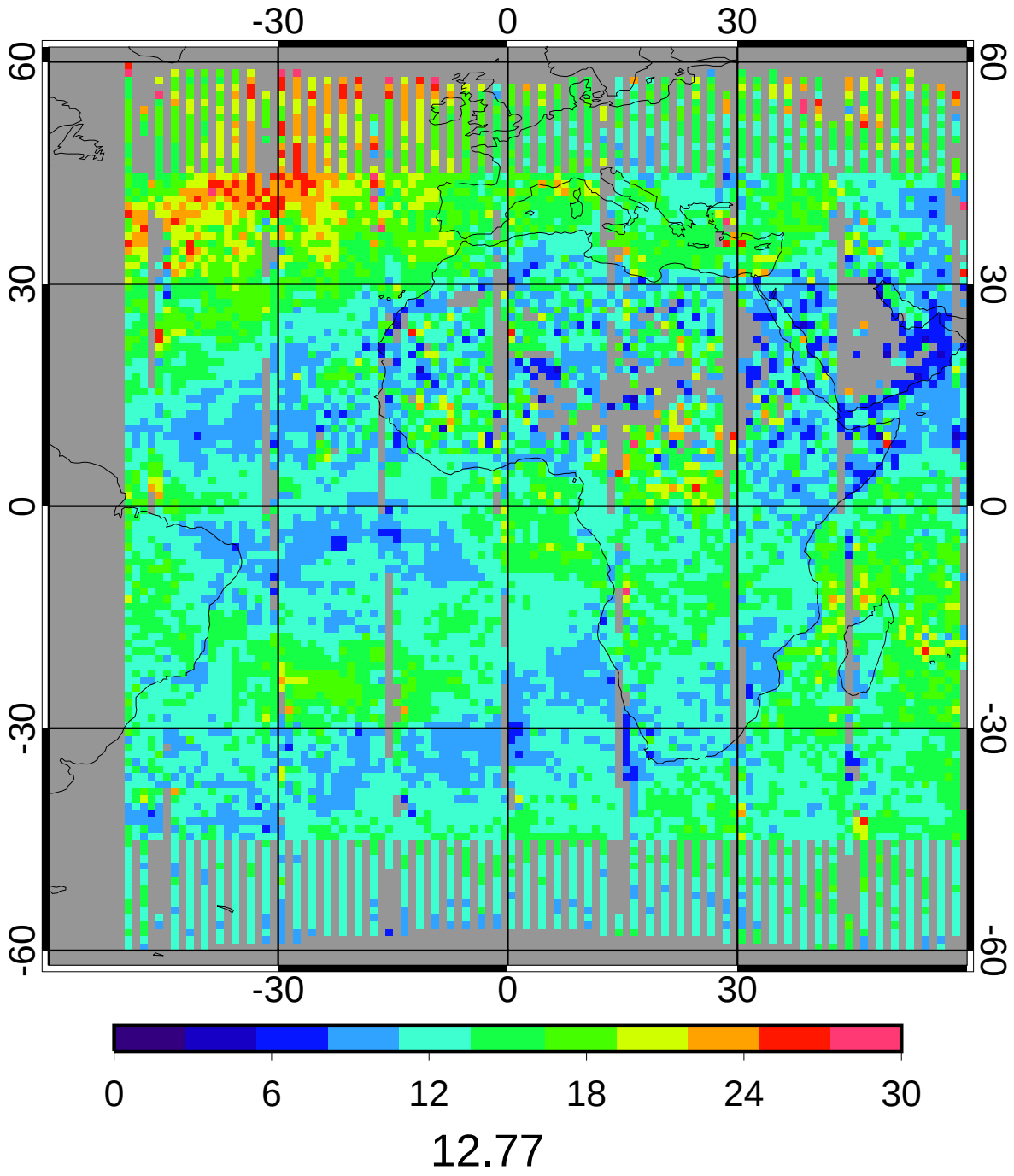
5ch Jan 2010 (lapse rate)



regave rms	10.98	43.96%
domain rms	13.90	55.69%

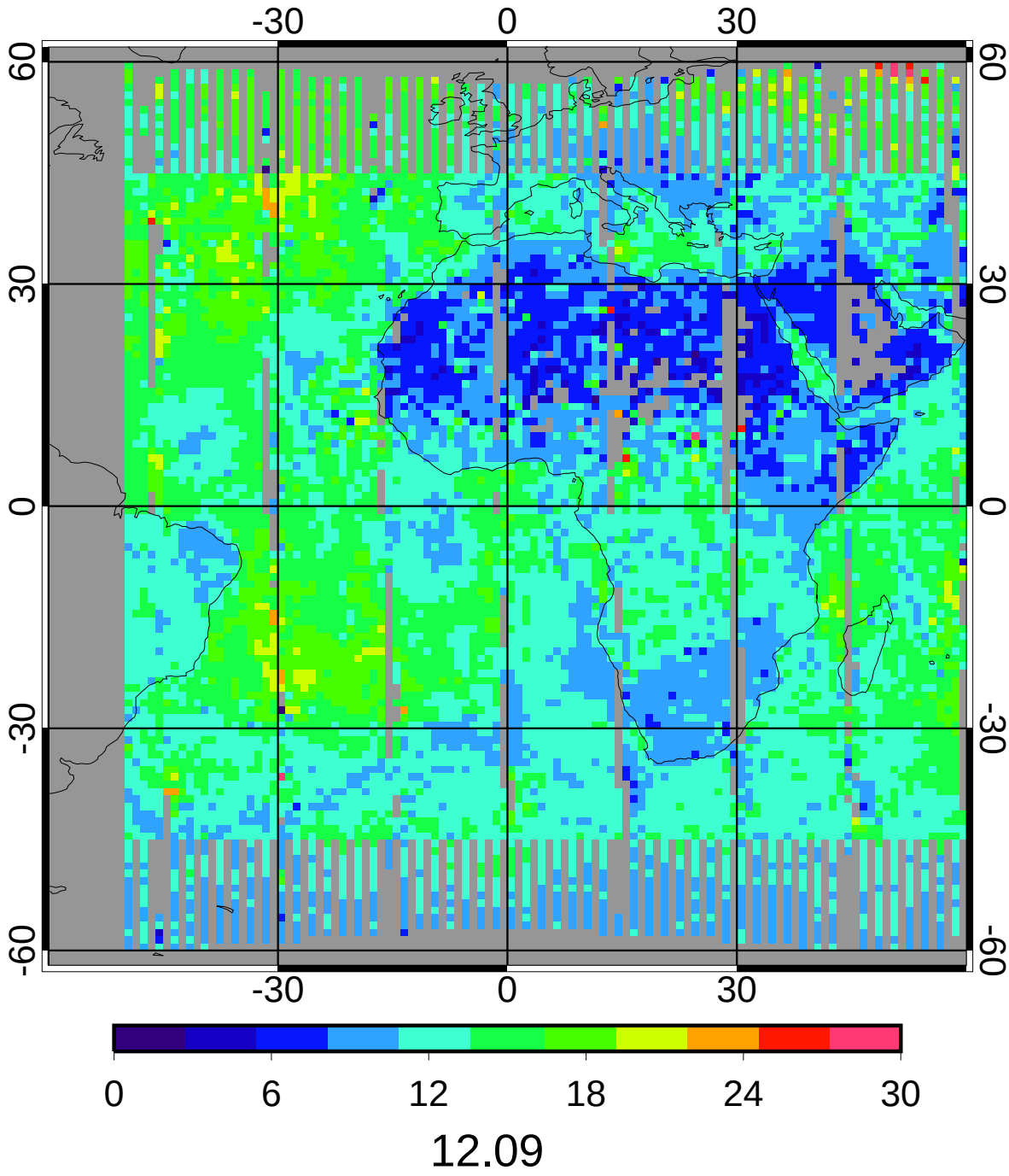
GGEO MEAN Daytime Liquid Particle Size (microns)

5ch Jan 2010 (lapse rate)



CERES/Aqua MEAN Daytime Liquid Particle Size (microns)

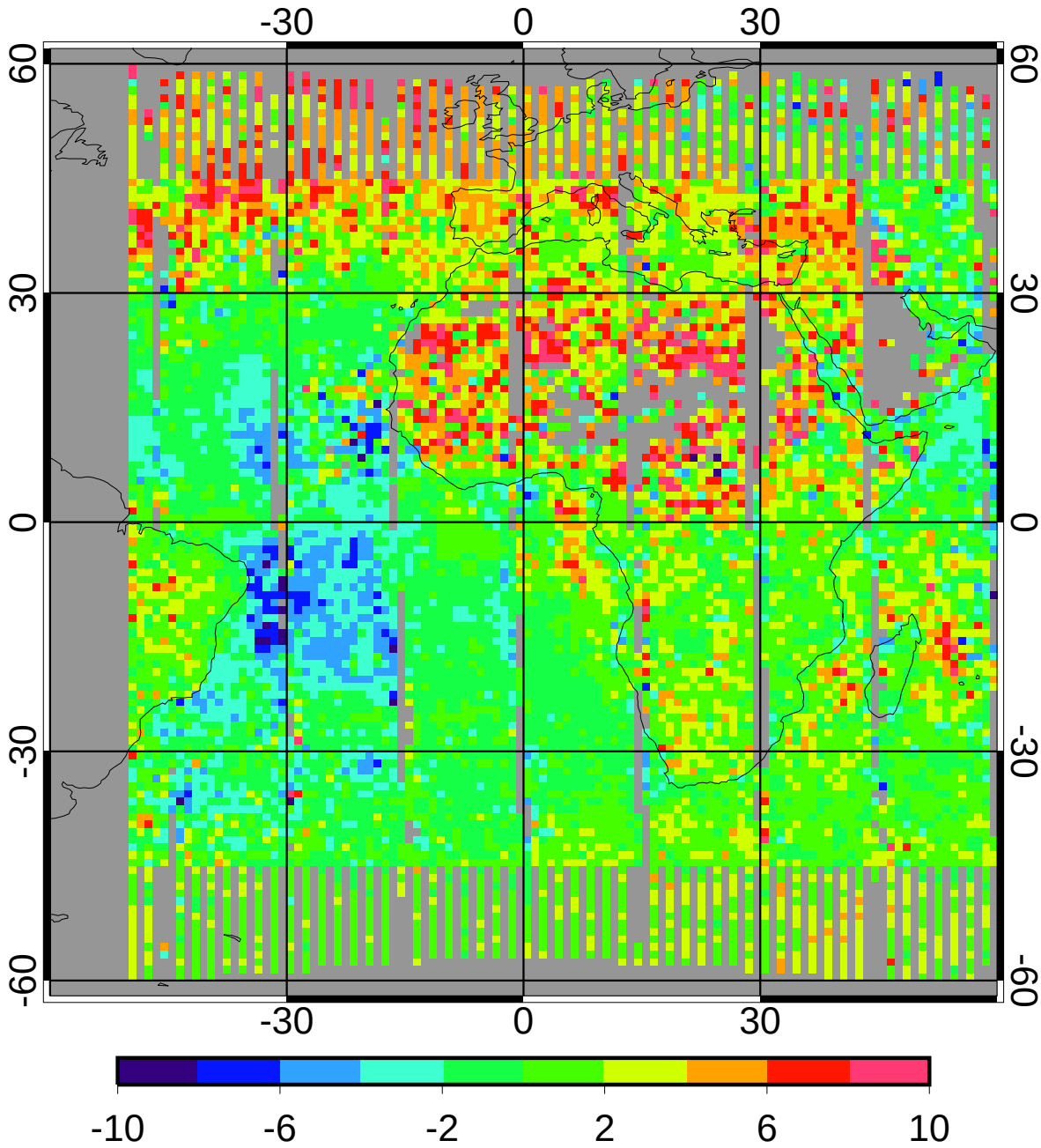
5ch Jan 2010 (lapse rate)



12.09

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

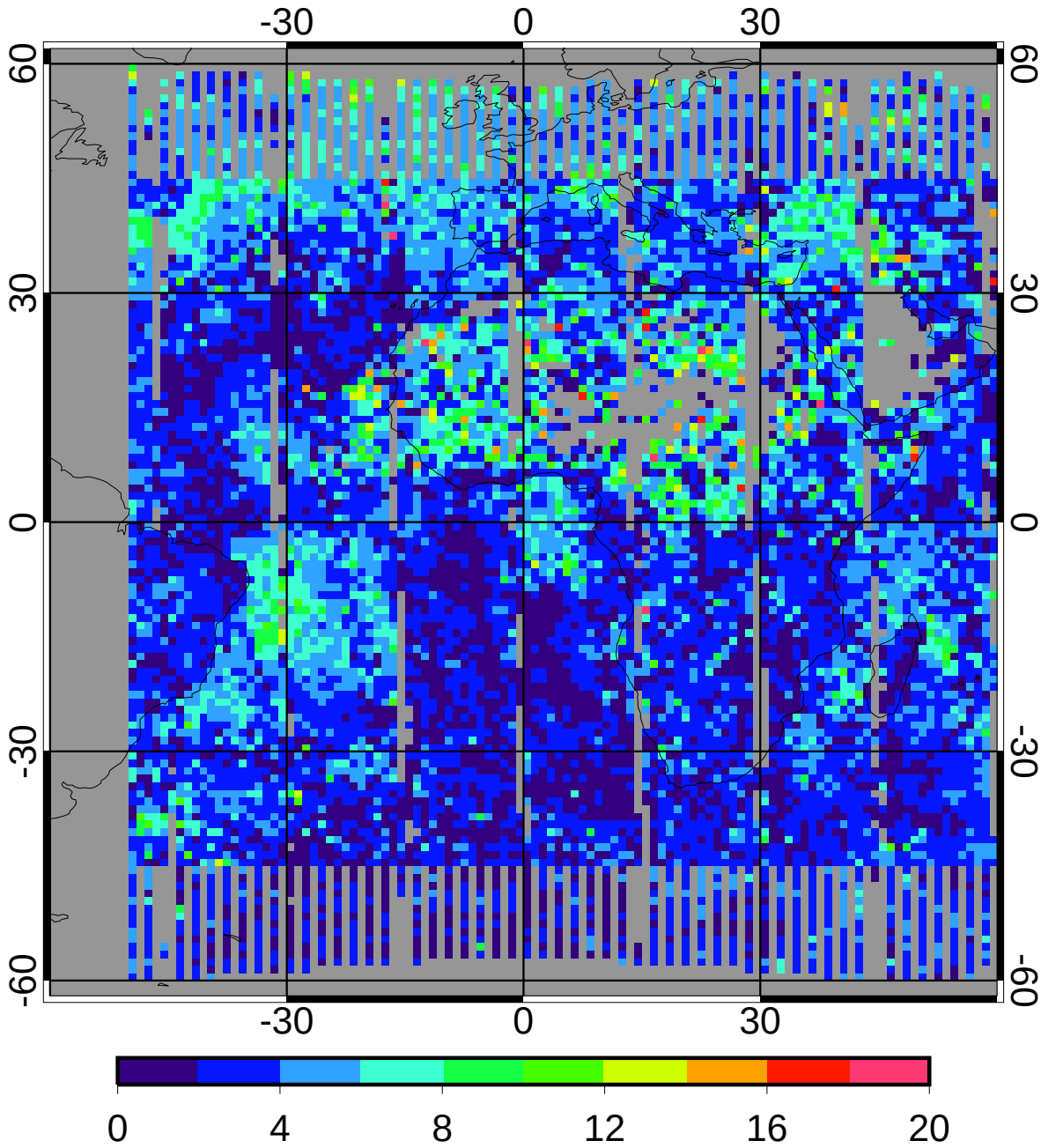
5ch Jan 2010 (lapse rate)



bias	0.88	7.28%
domain sigma	2.79	23.09%

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

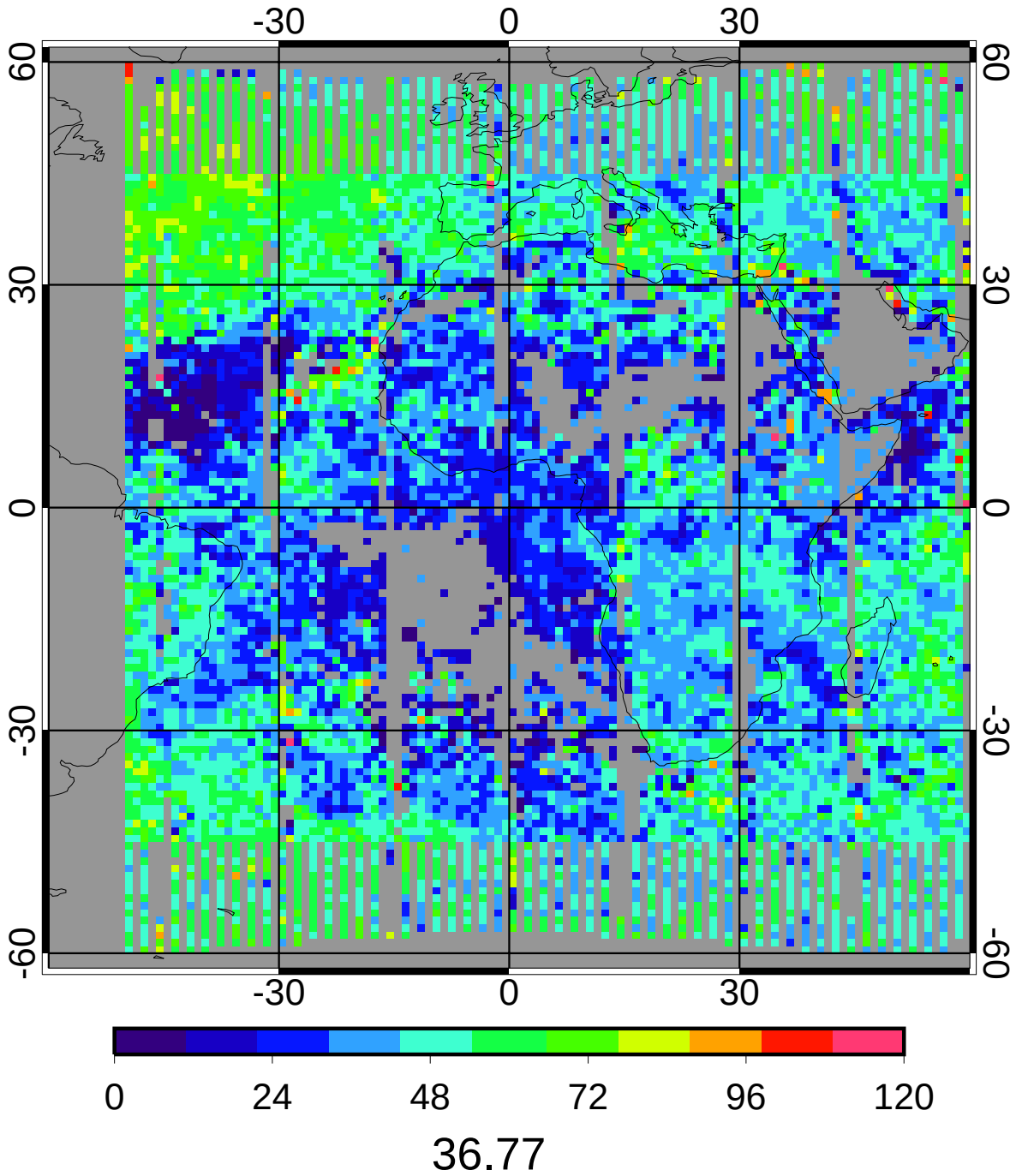
5ch Jan 2010 (lapse rate)



regave rms	3.53	29.21%
domain rms	3.76	31.12%

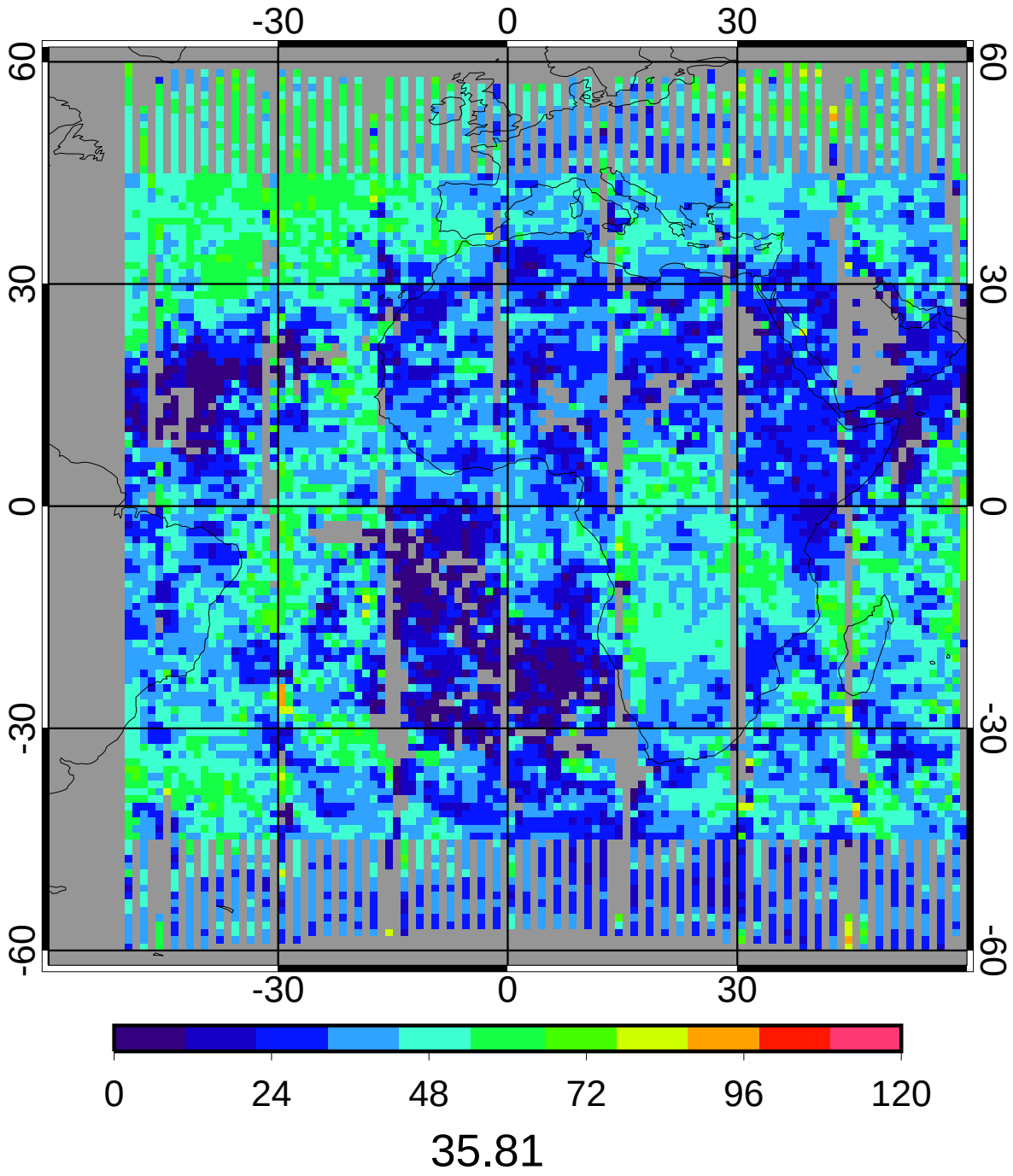
GGEO MEAN Daytime Ice Particle Size (microns)

5ch Jan 2010 (lapse rate)



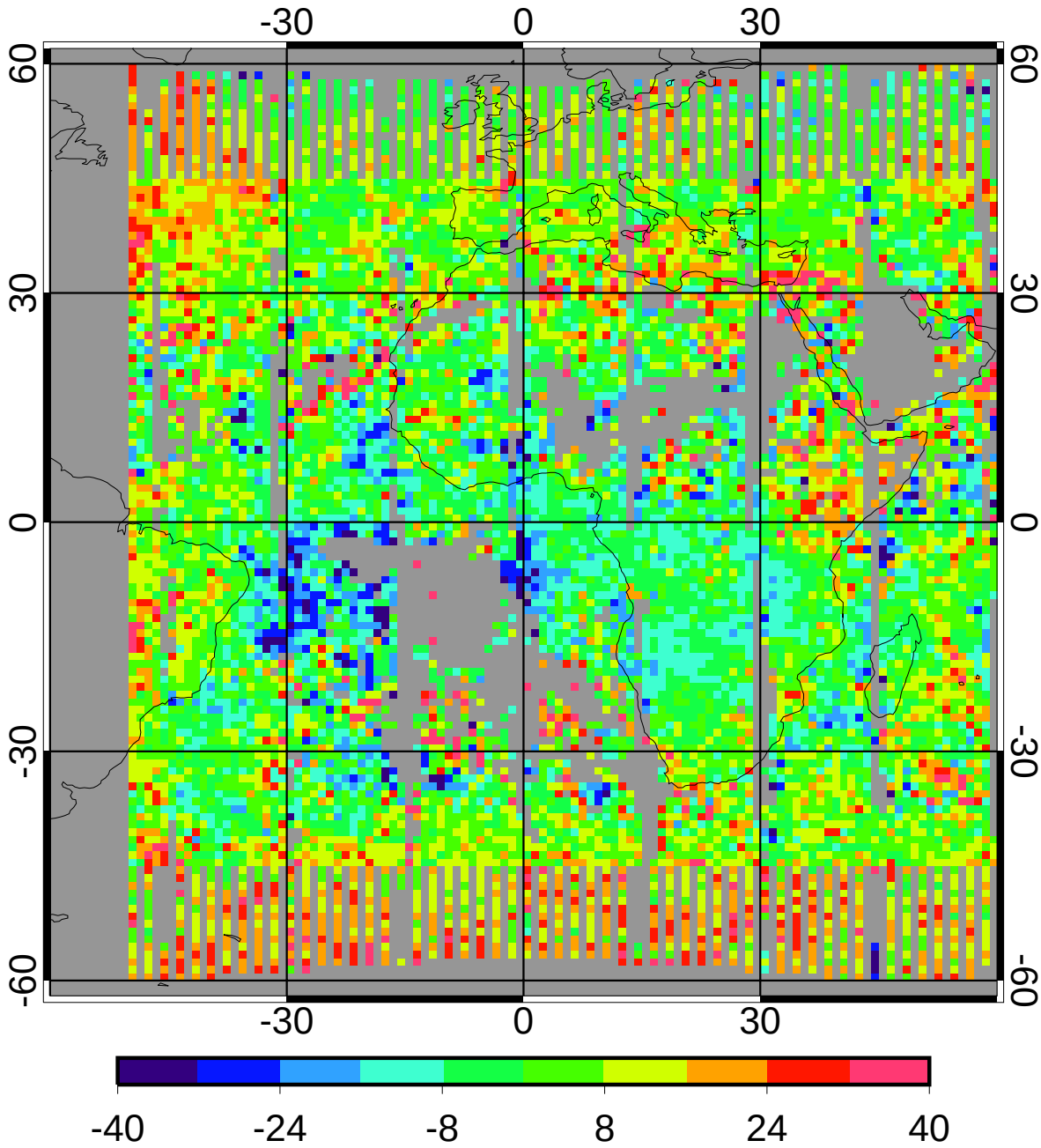
CERES/Aqua MEAN Daytime Ice Particle Size (microns)

5ch Jan 2010 (lapse rate)



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

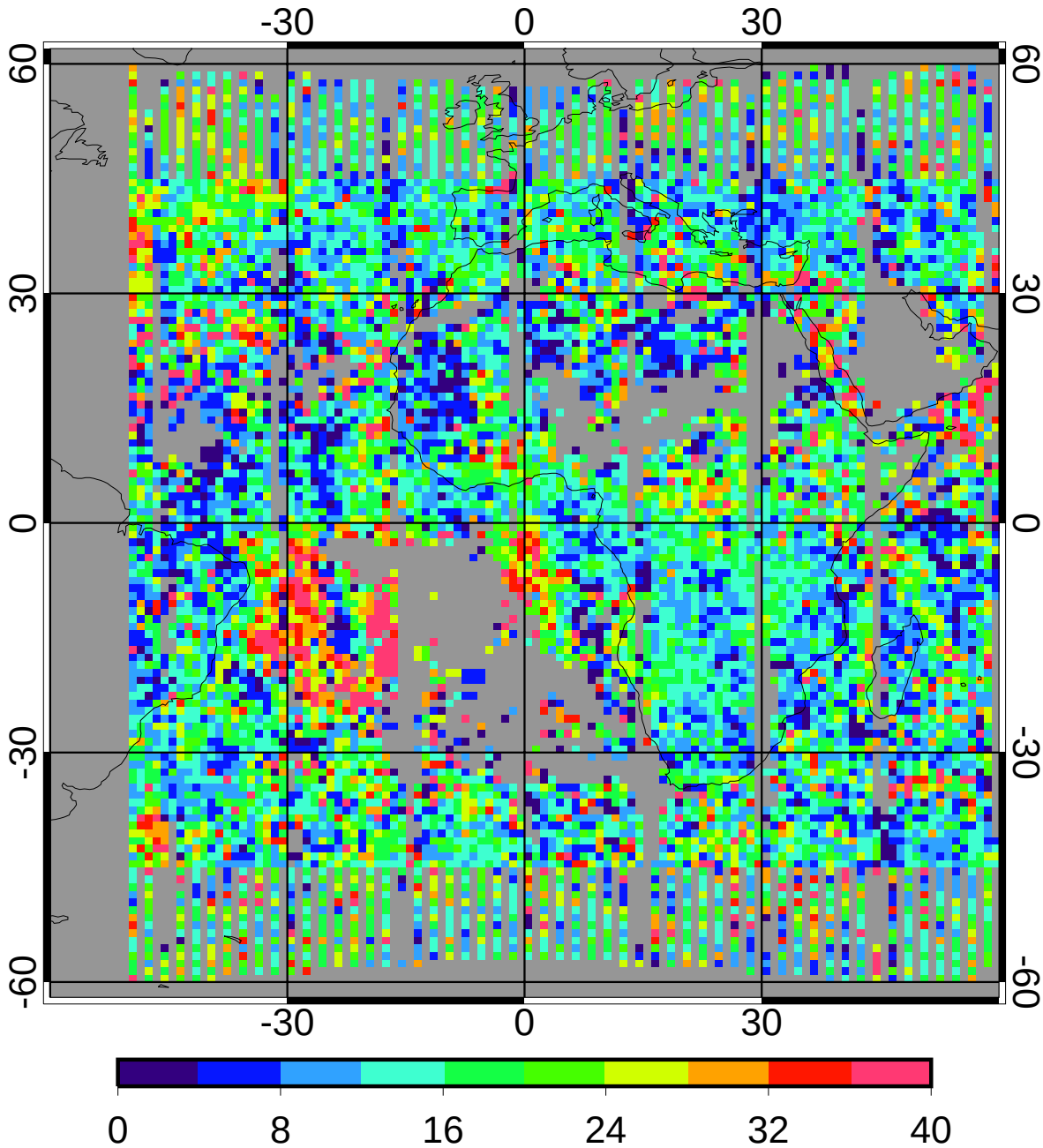
5ch Jan 2010 (lapse rate)



bias	2.65	7.41%
domain sigma	12.61	35.22%

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

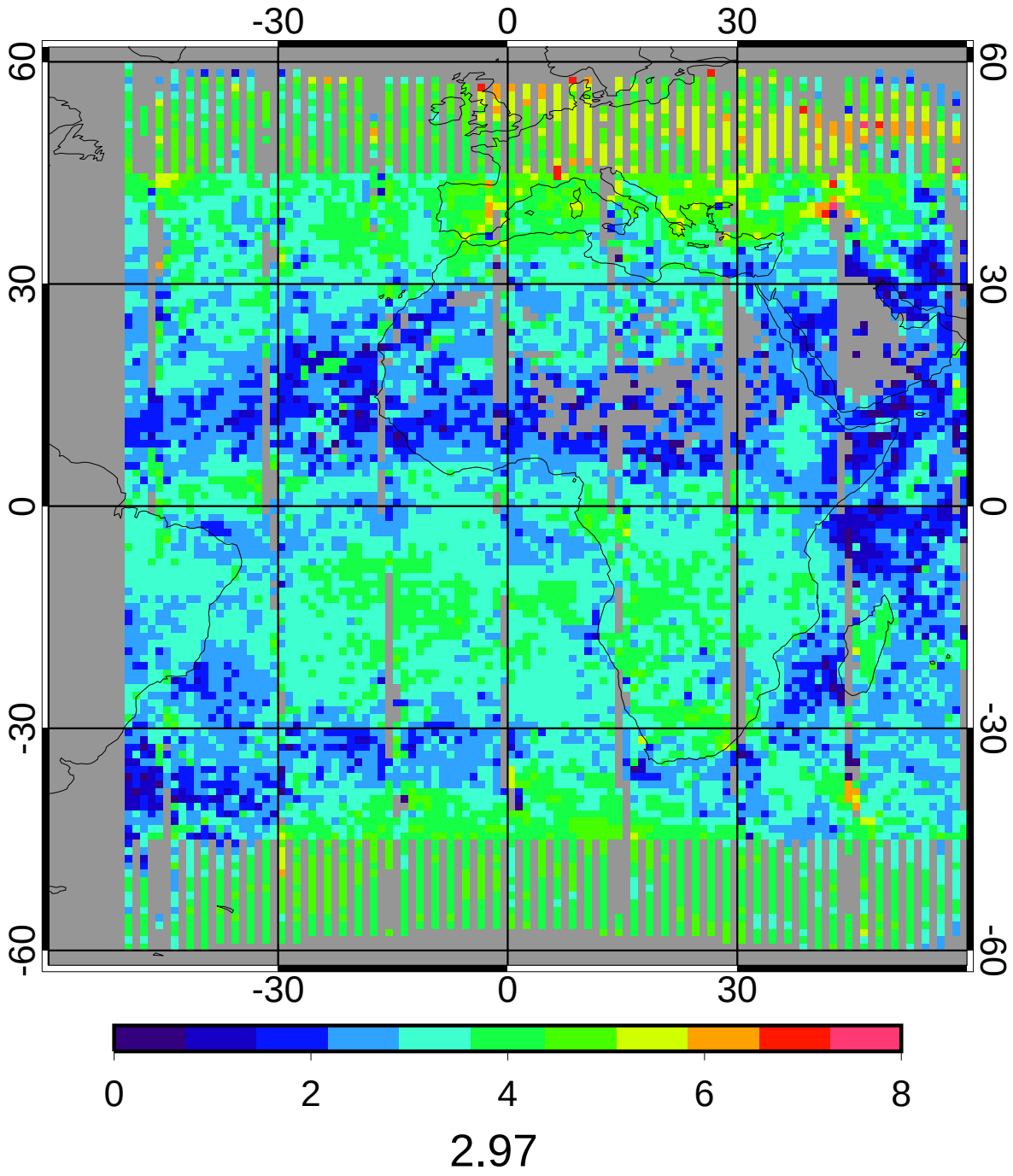
5ch Jan 2010 (lapse rate)



regave rms	14.13	39.46%
domain rms	17.33	48.39%

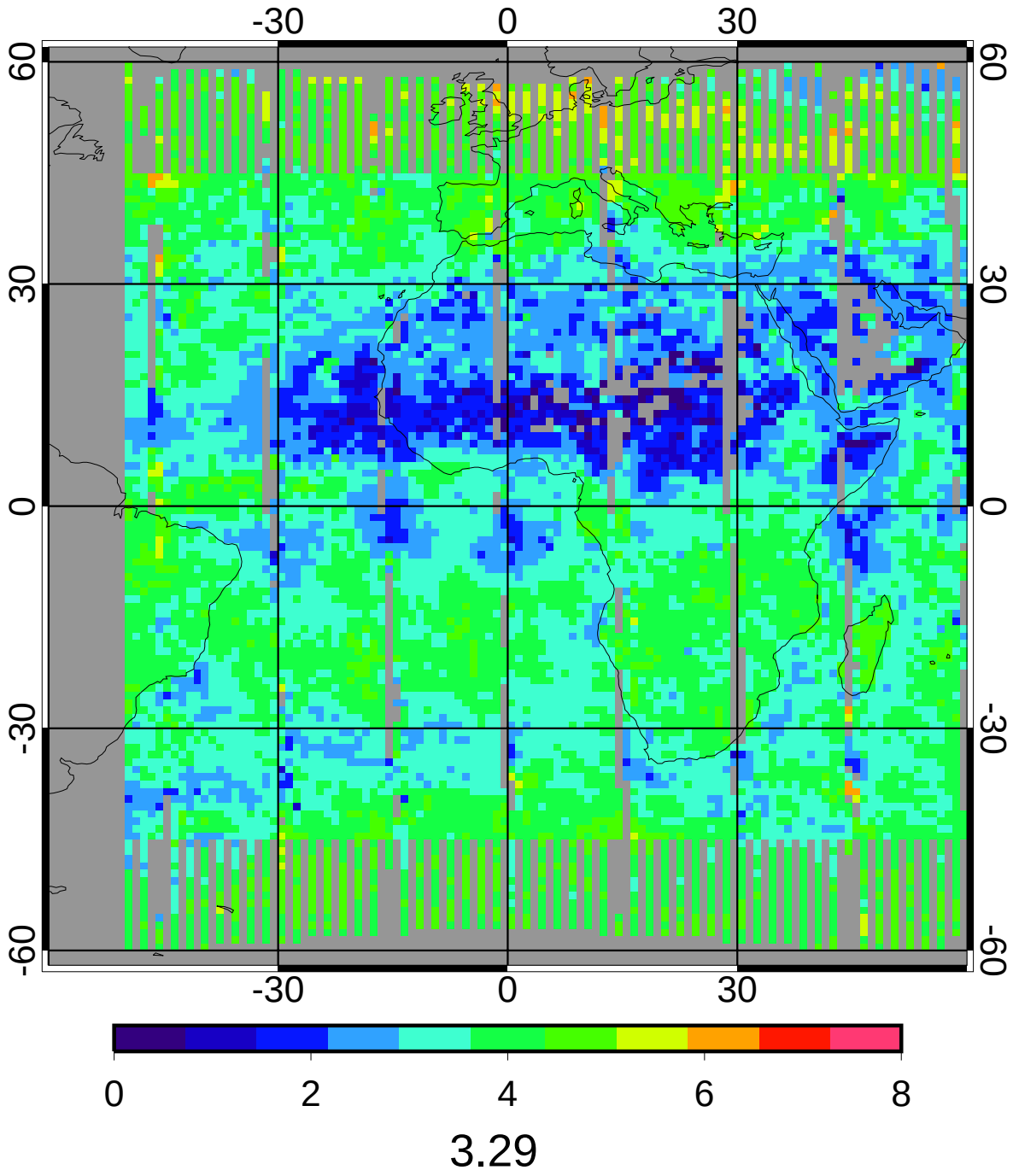
GGEO MEAN Daytime Log Liquid Water Path (g/m2)

5ch Jan 2010 (lapse rate)



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

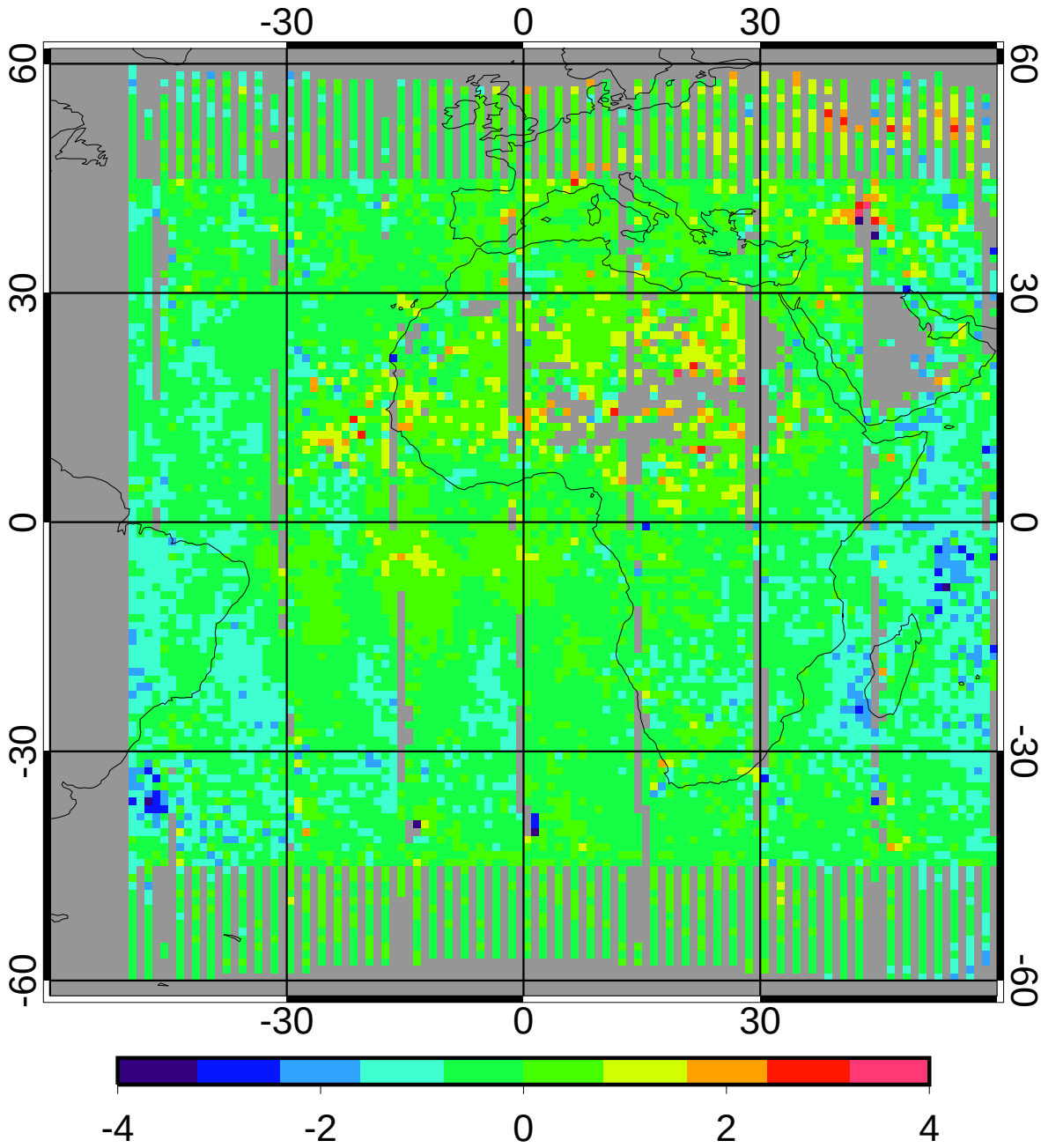
5ch Jan 2010 (lapse rate)



3.29

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

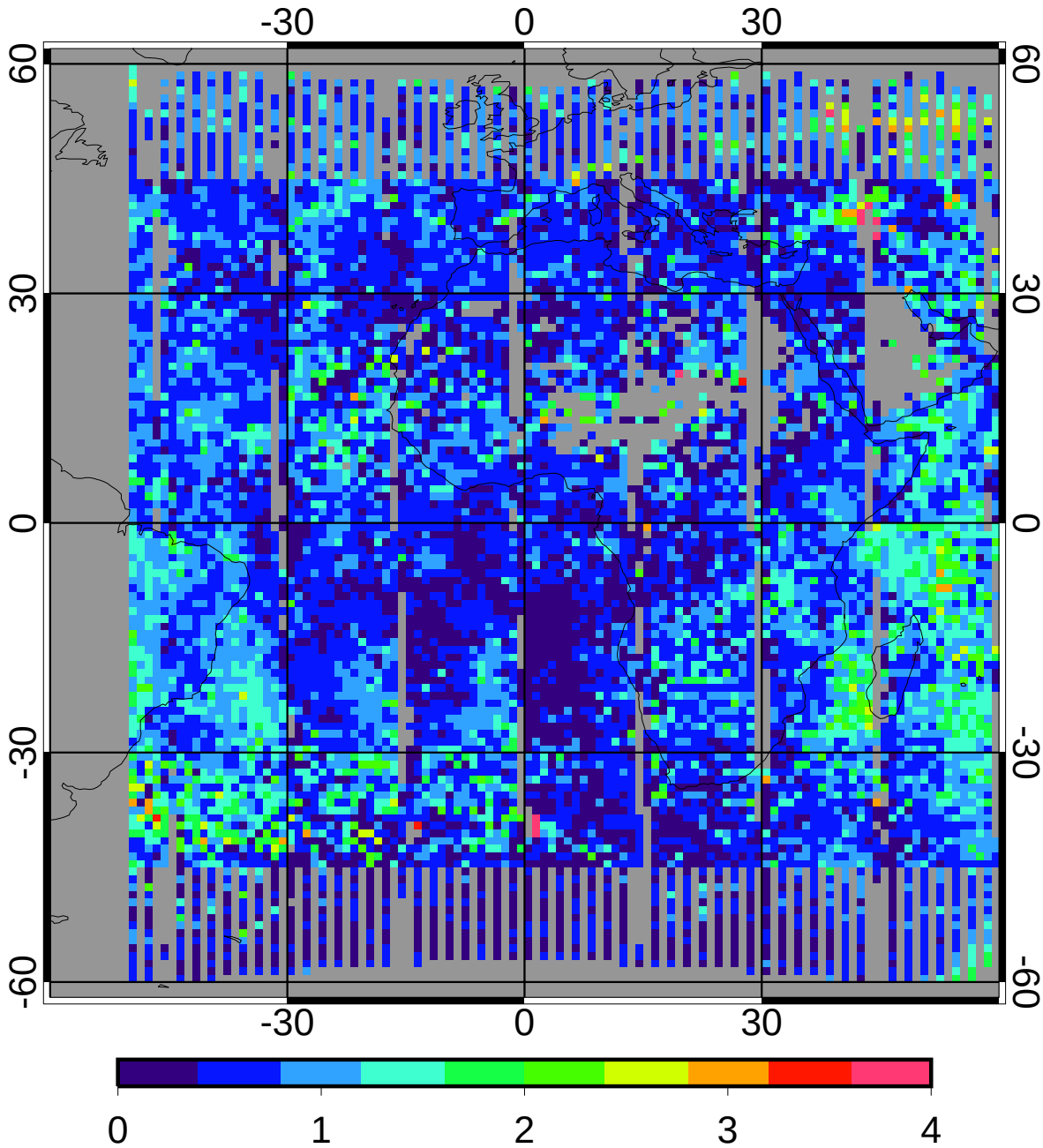
5ch Jan 2010 (lapse rate)



bias	-0.28	-8.46%
domain sigma	0.57	17.17%

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

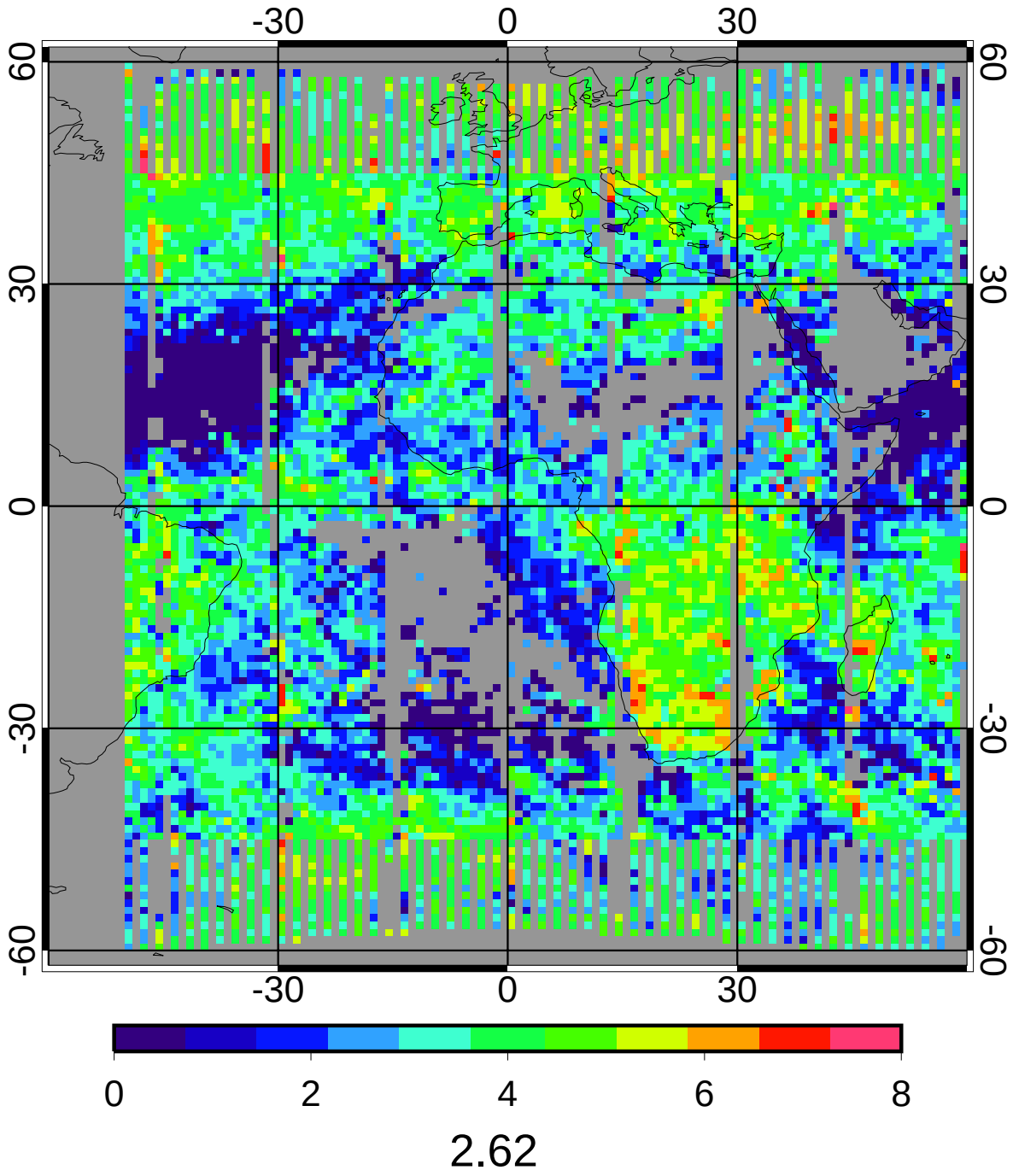
5ch Jan 2010 (lapse rate)



regave rms	0.74	22.35%
domain rms	0.81	24.53%

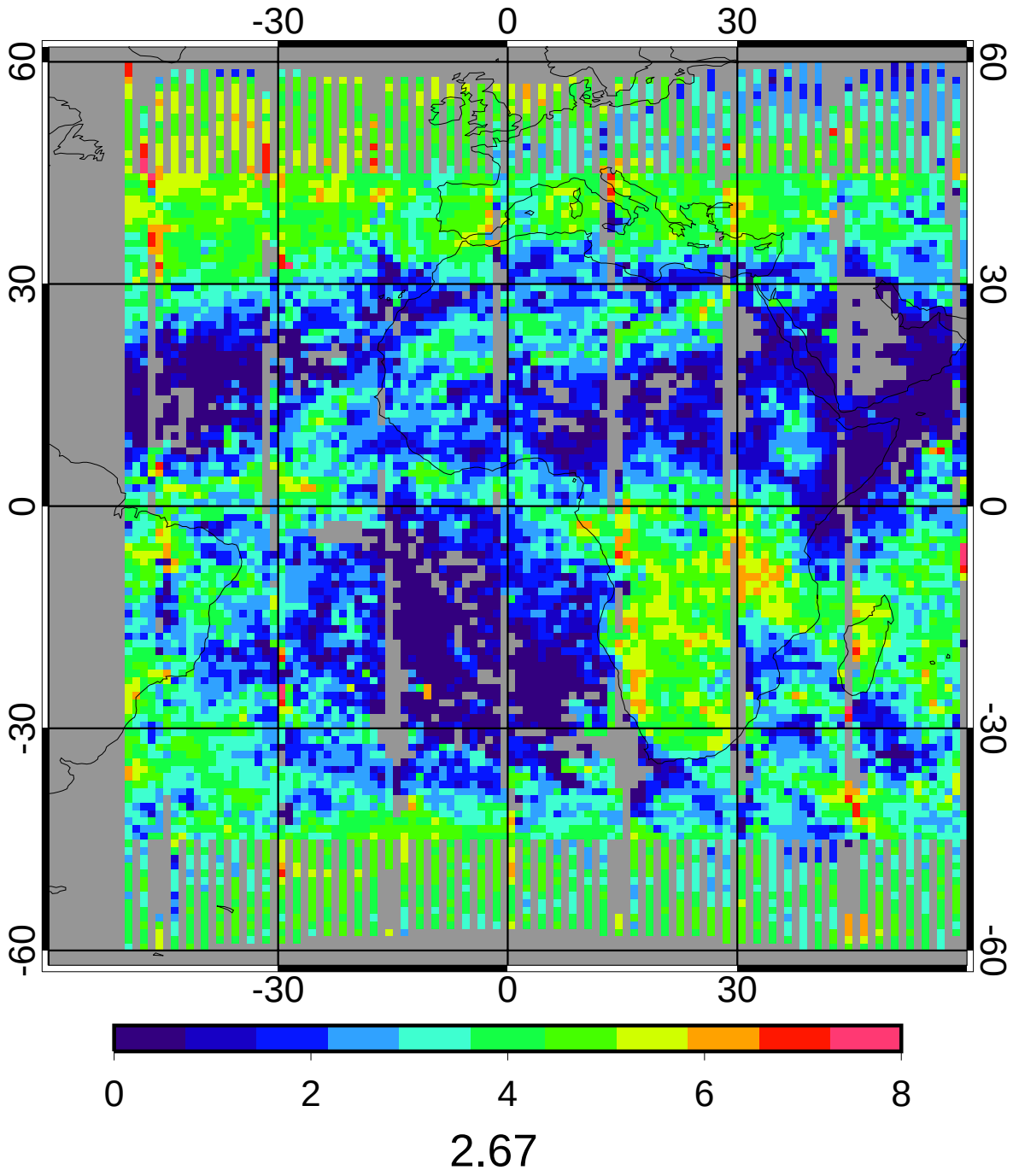
GGEO MEAN Daytime Log Ice Water Path (g/m2)

5ch Jan 2010 (lapse rate)



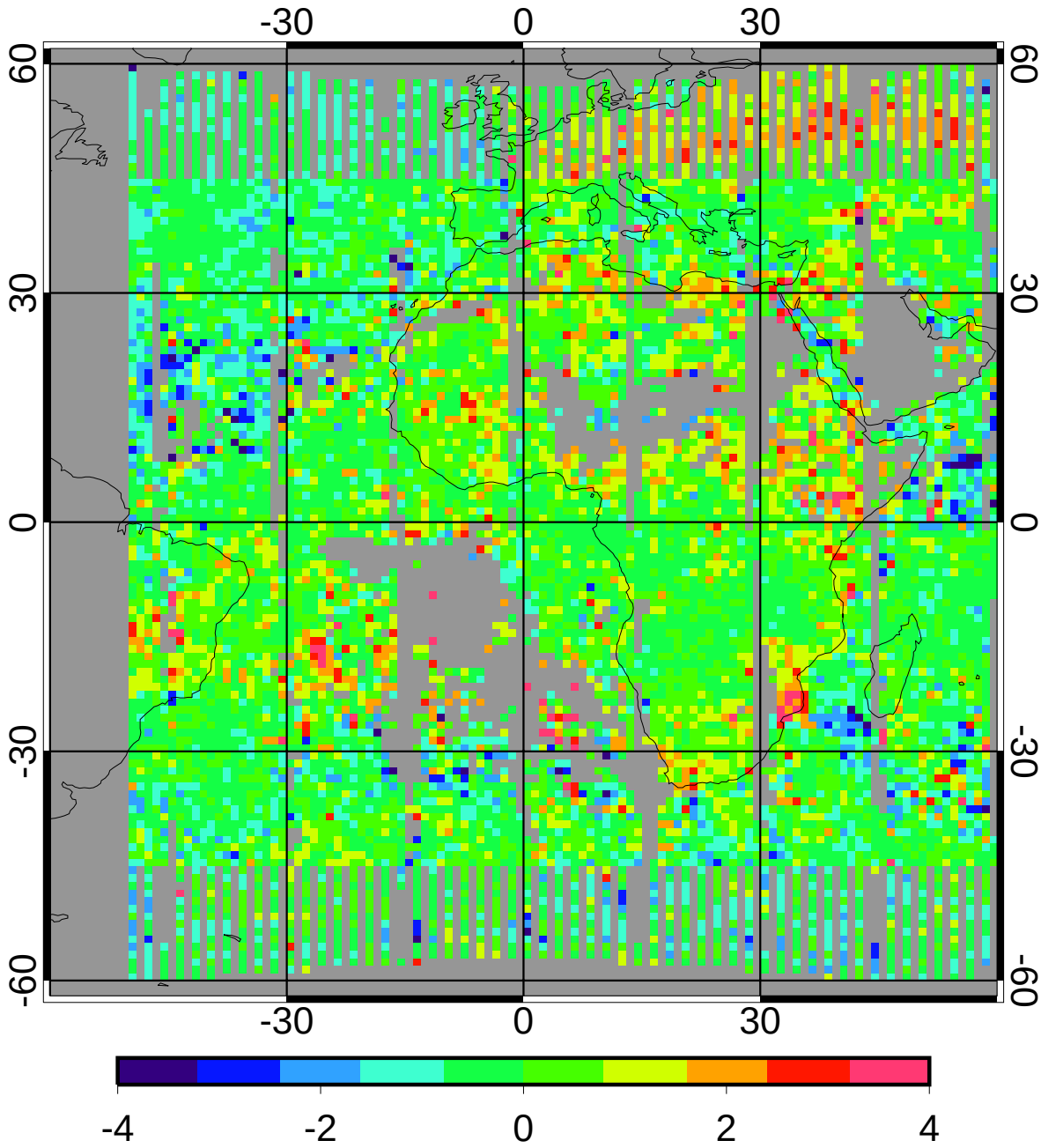
CERES/Aqua MEAN Daytime Log Ice Water Path (g/m2)

5ch Jan 2010 (lapse rate)



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

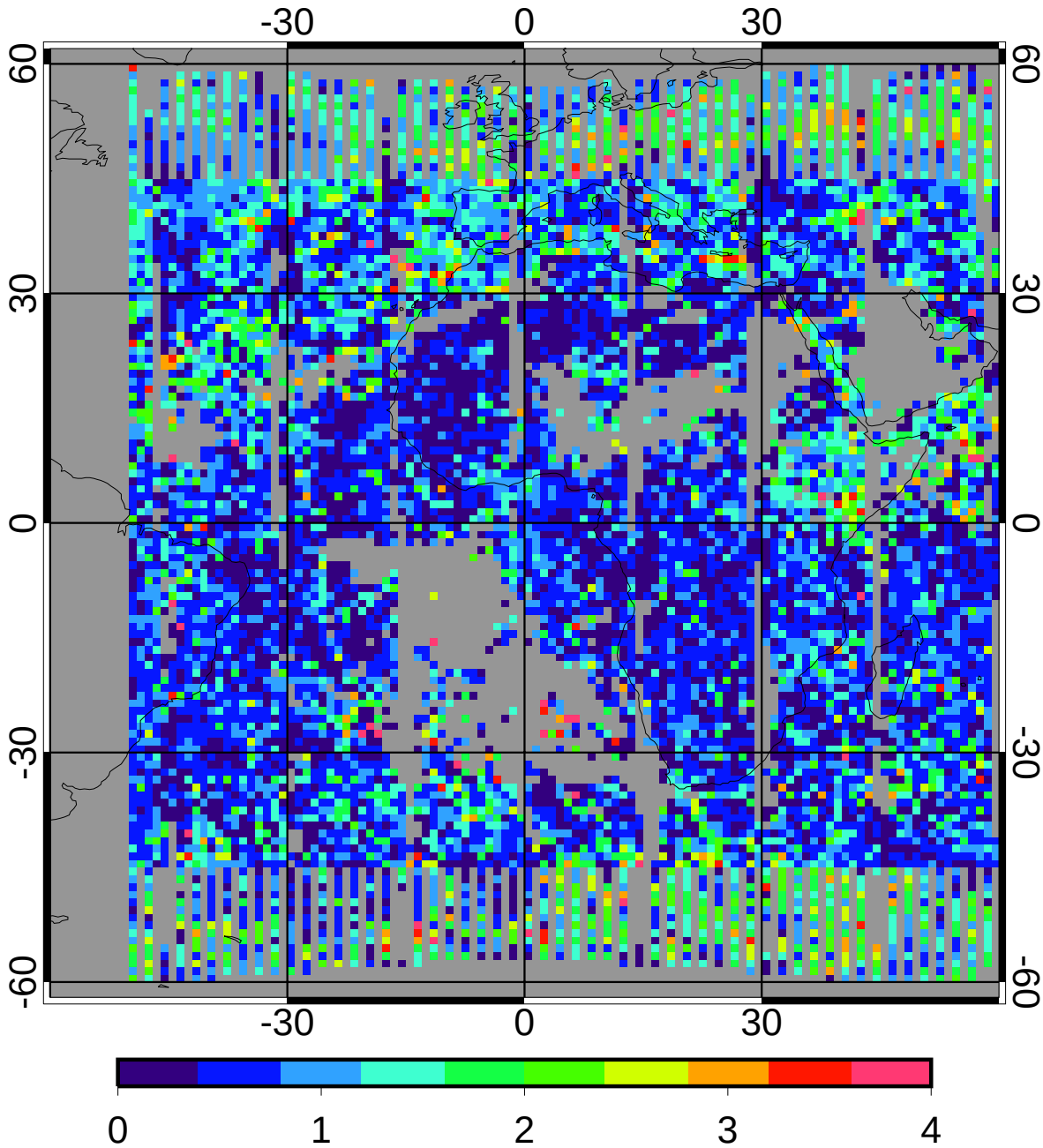
5ch Jan 2010 (lapse rate)



bias	0.01	0.53%
domain sigma	0.92	34.48%

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

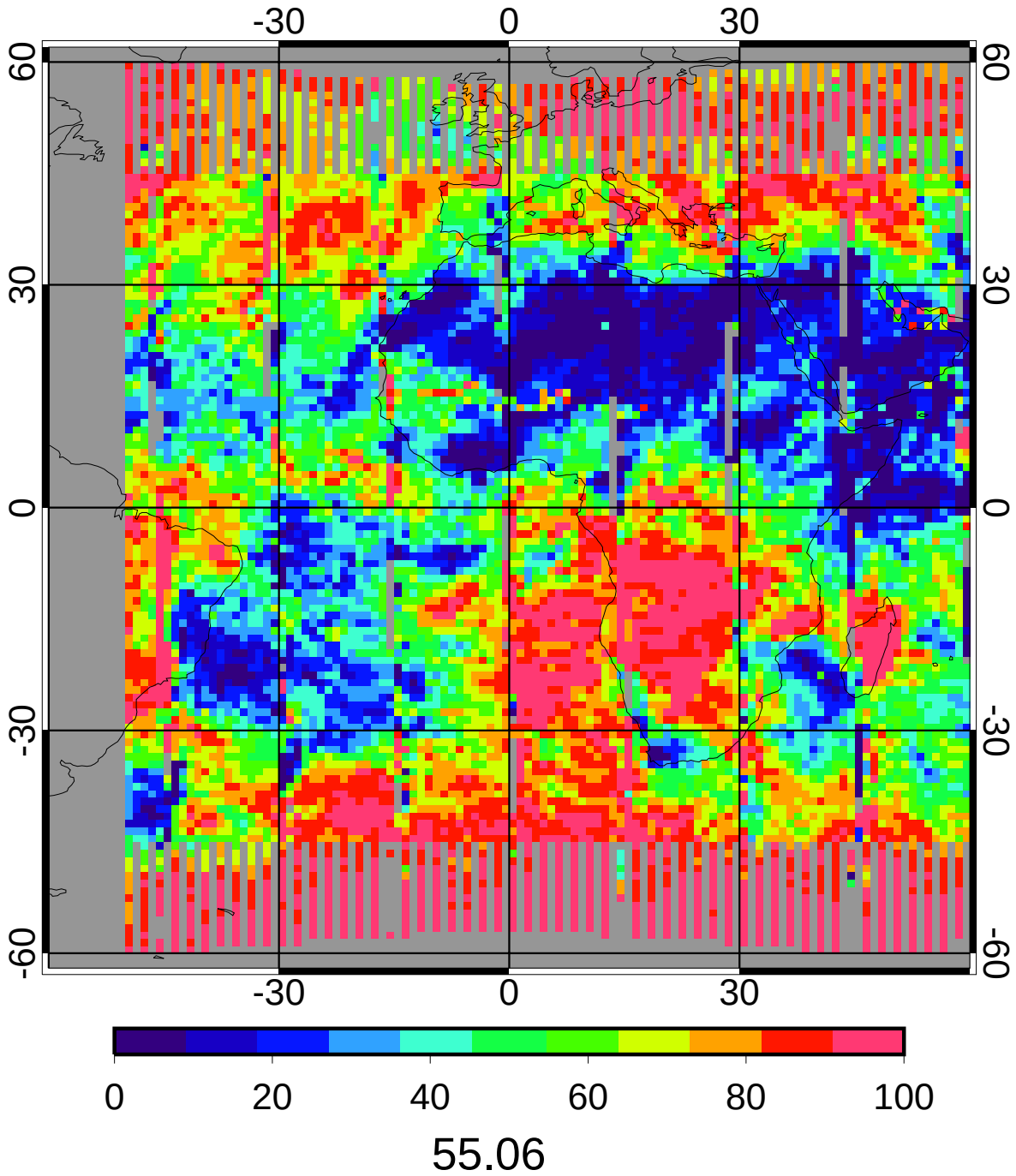
5ch Jan 2010 (lapse rate)



regave rms	0.74	27.64%
domain rms	1.04	39.18%

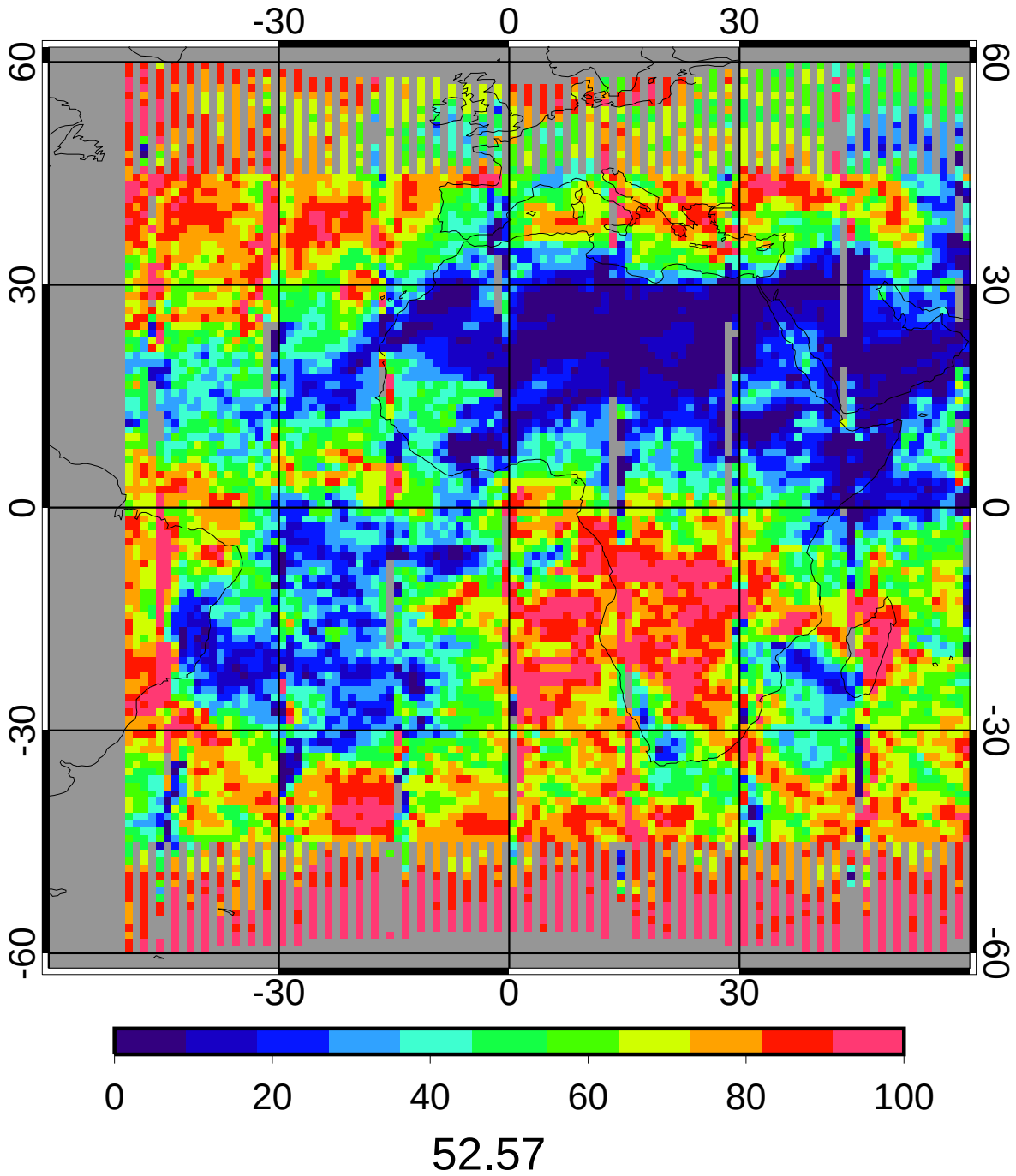
GGEO MEAN Nighttime Cloud Amount (%)

5ch Jan 2010 (lapse rate)



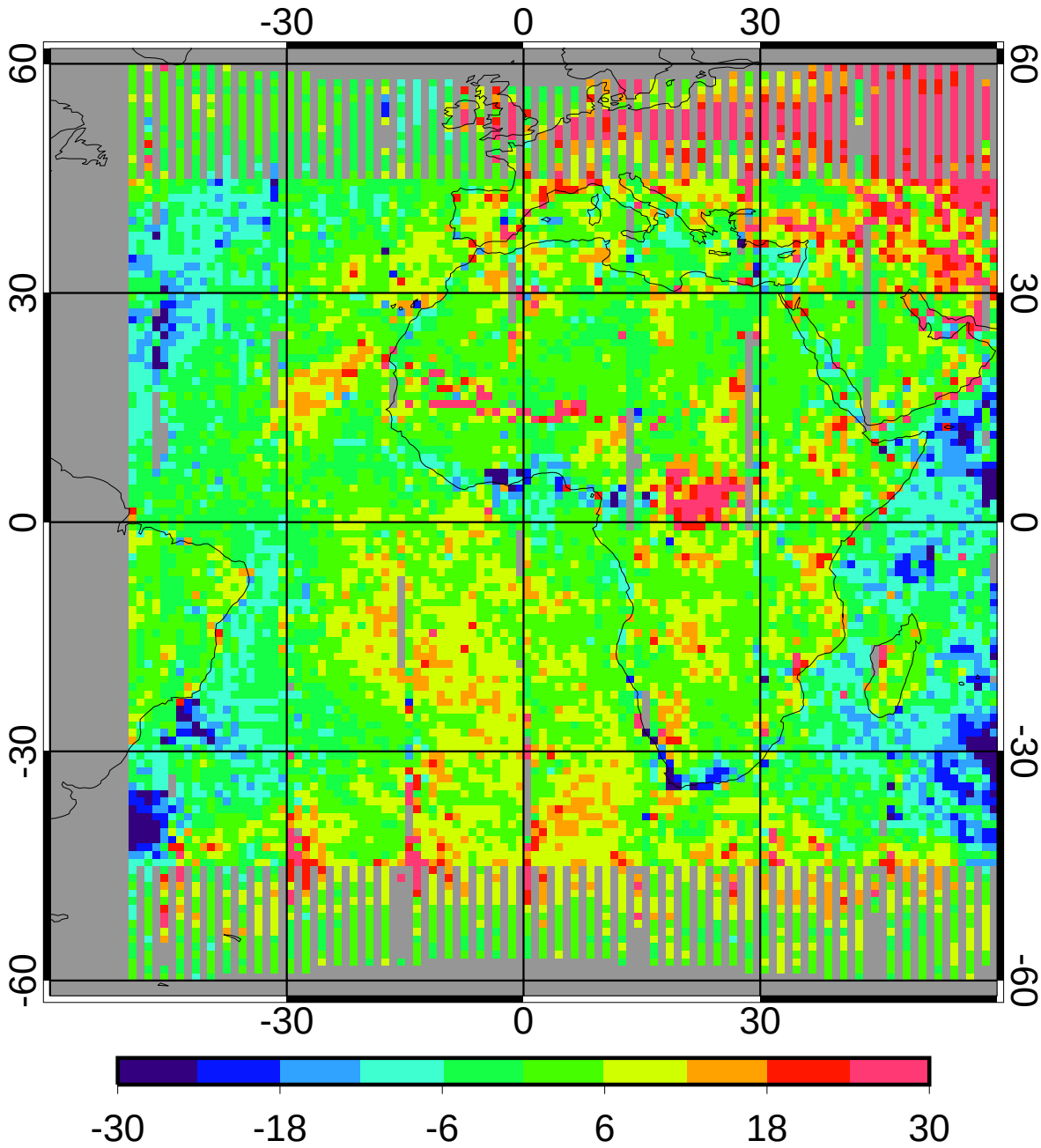
CERES/Aqua MEAN Nighttime Cloud Amount (%)

5ch Jan 2010 (lapse rate)



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

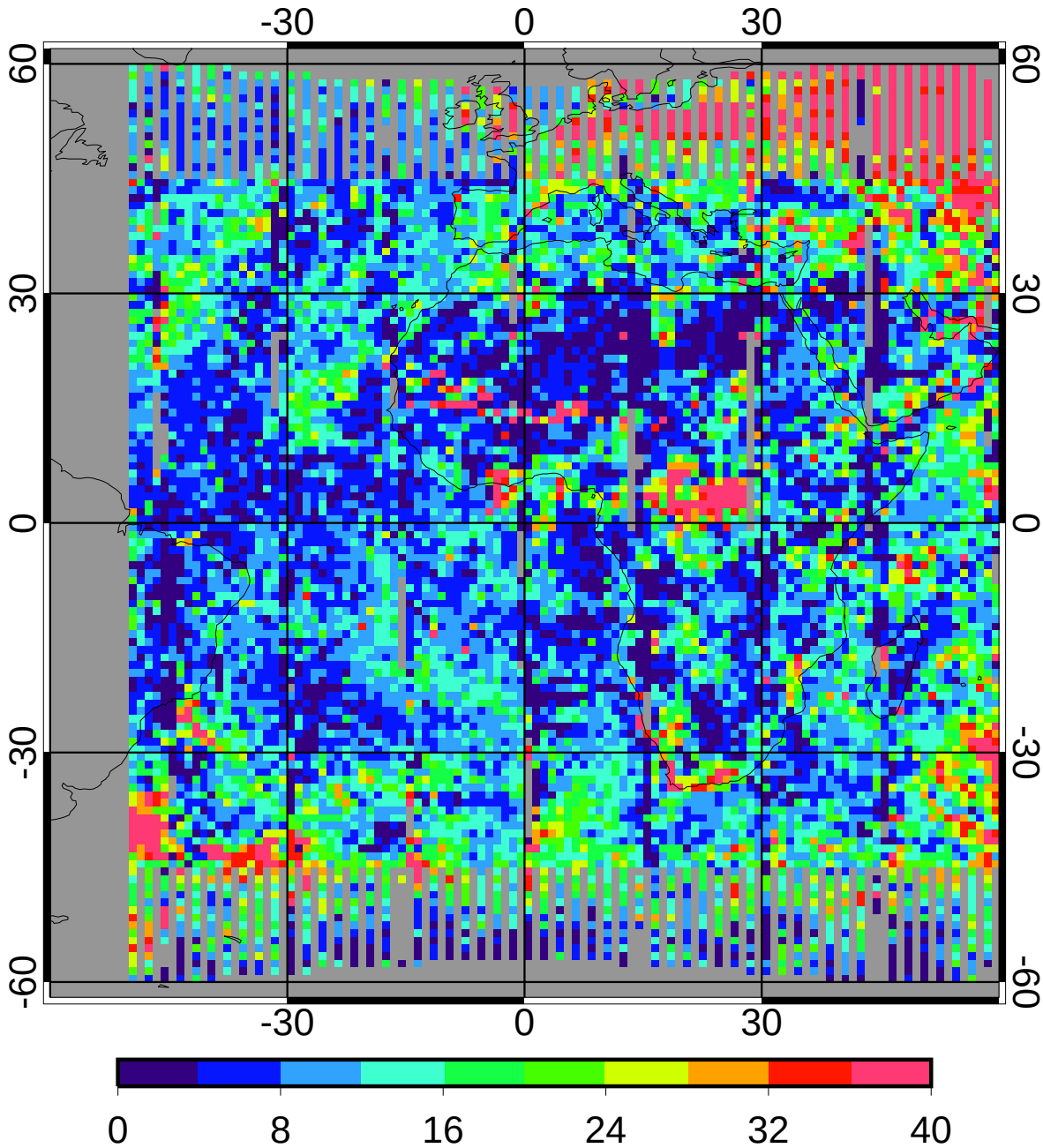
5ch Jan 2010 (lapse rate)



bias	2.49	4.74%
domain sigma	8.93	16.98%

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

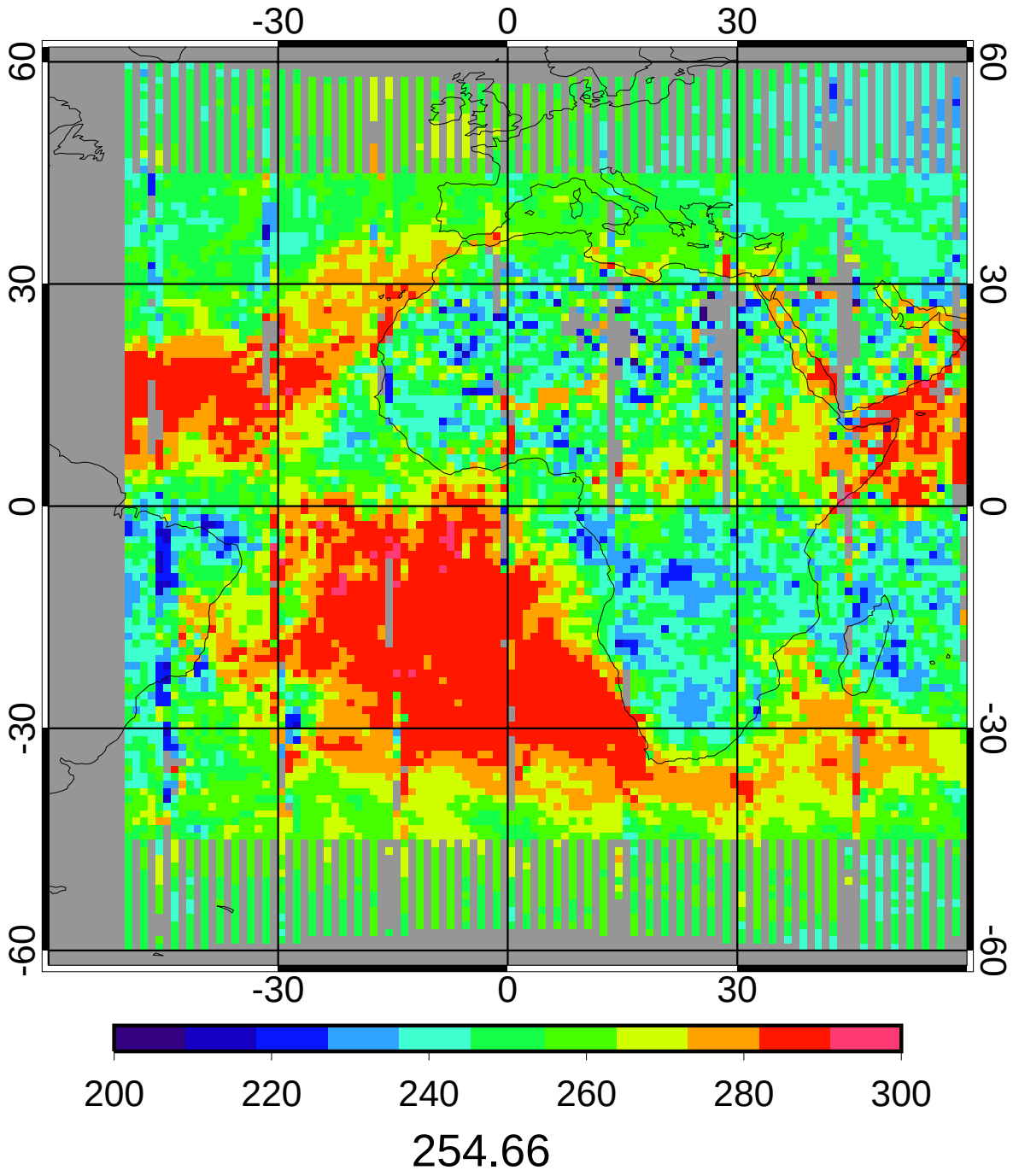
5ch Jan 2010 (lapse rate)



regave rms	12.54	23.86%
domain rms	15.26	29.02%

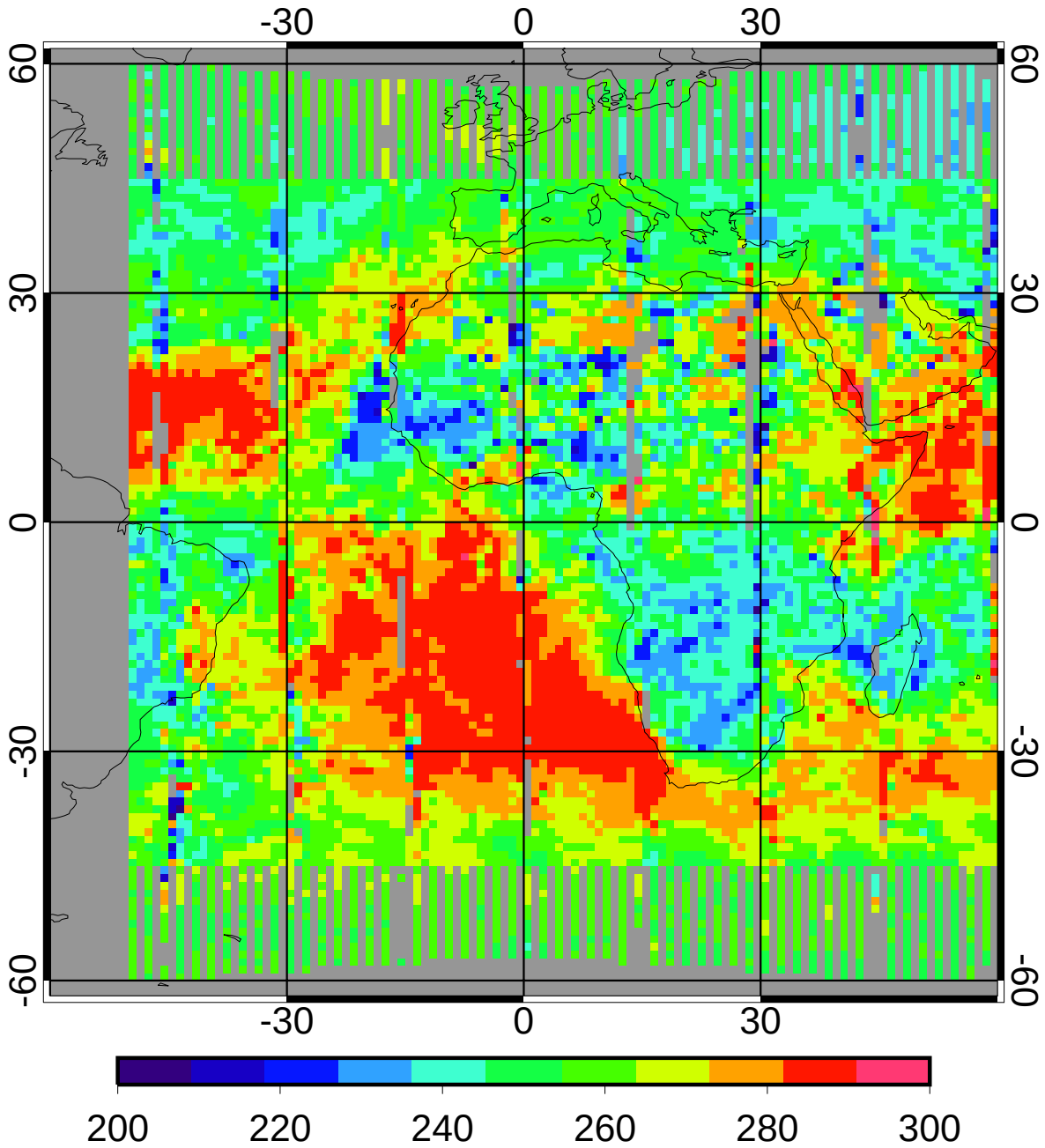
GGEO MEAN Nighttime Cloud Temperature (K)

5ch Jan 2010 (lapse rate)



CERES/Aqua MEAN Nighttime Cloud Temperature (K)

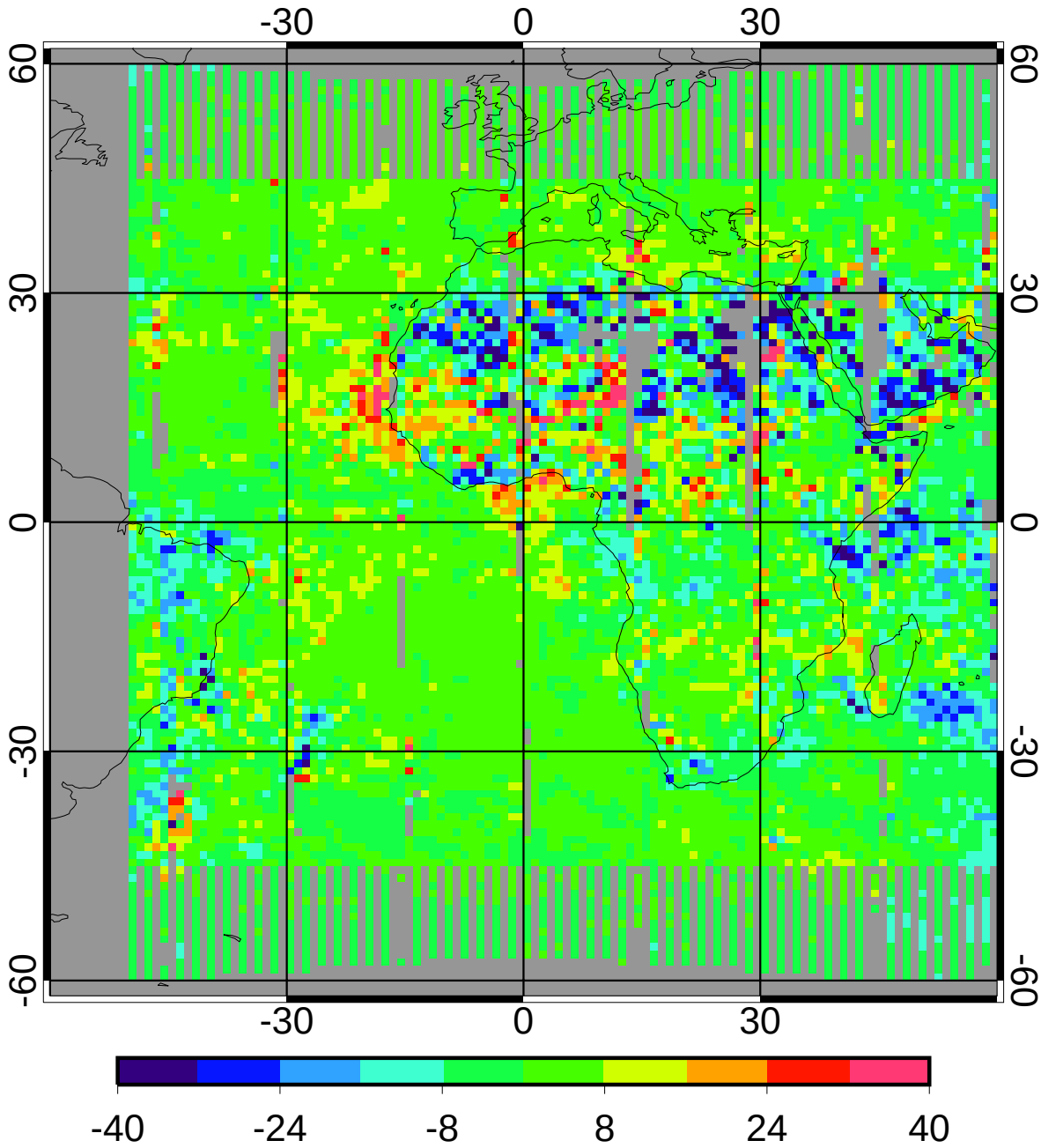
5ch Jan 2010 (lapse rate)



258.03

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

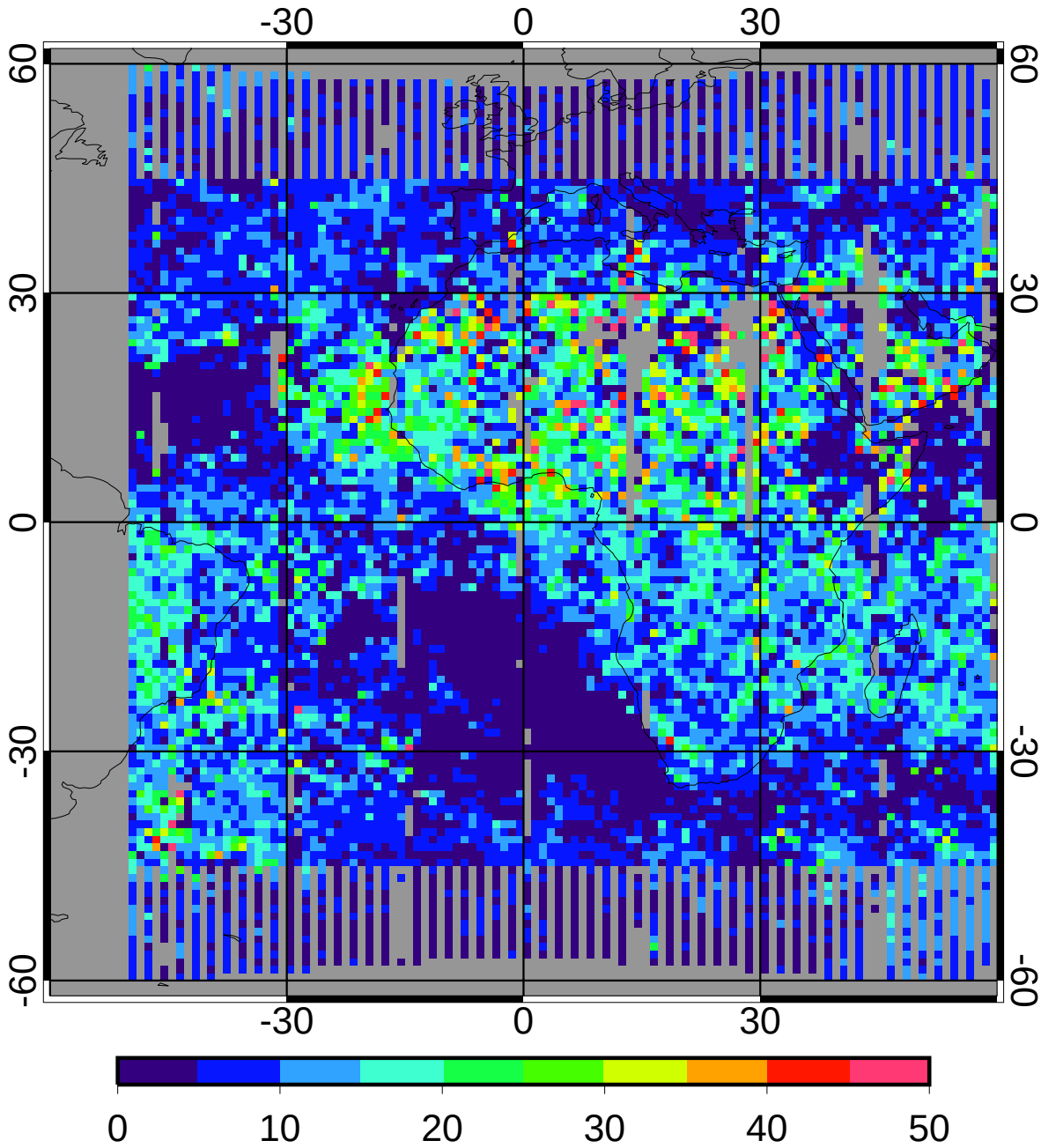
5ch Jan 2010 (lapse rate)



bias	-0.34	-0.13%
domain sigma	9.31	3.61%

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

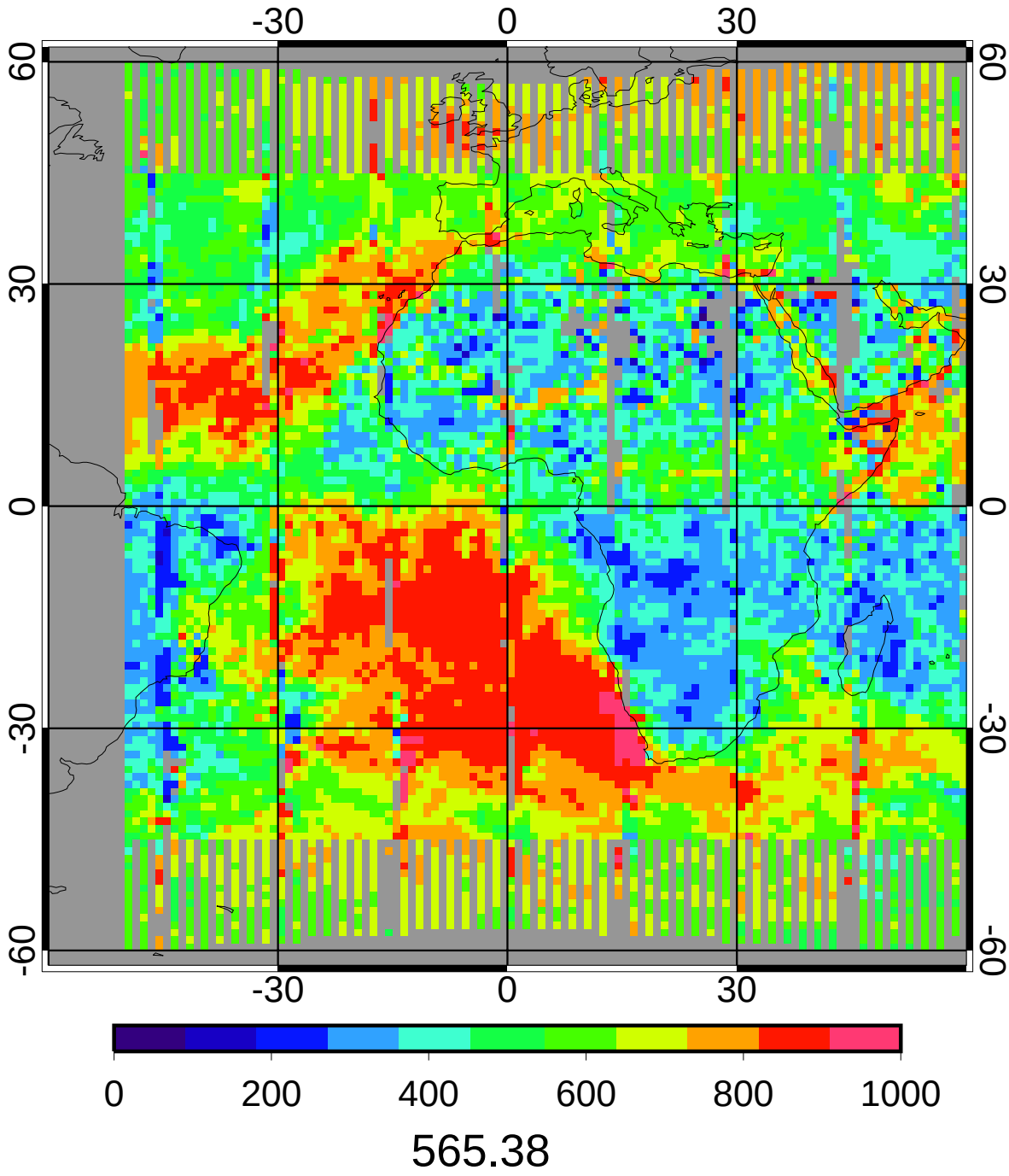
5ch Jan 2010 (lapse rate)



regave rms	10.12	3.92%
domain rms	10.70	4.15%

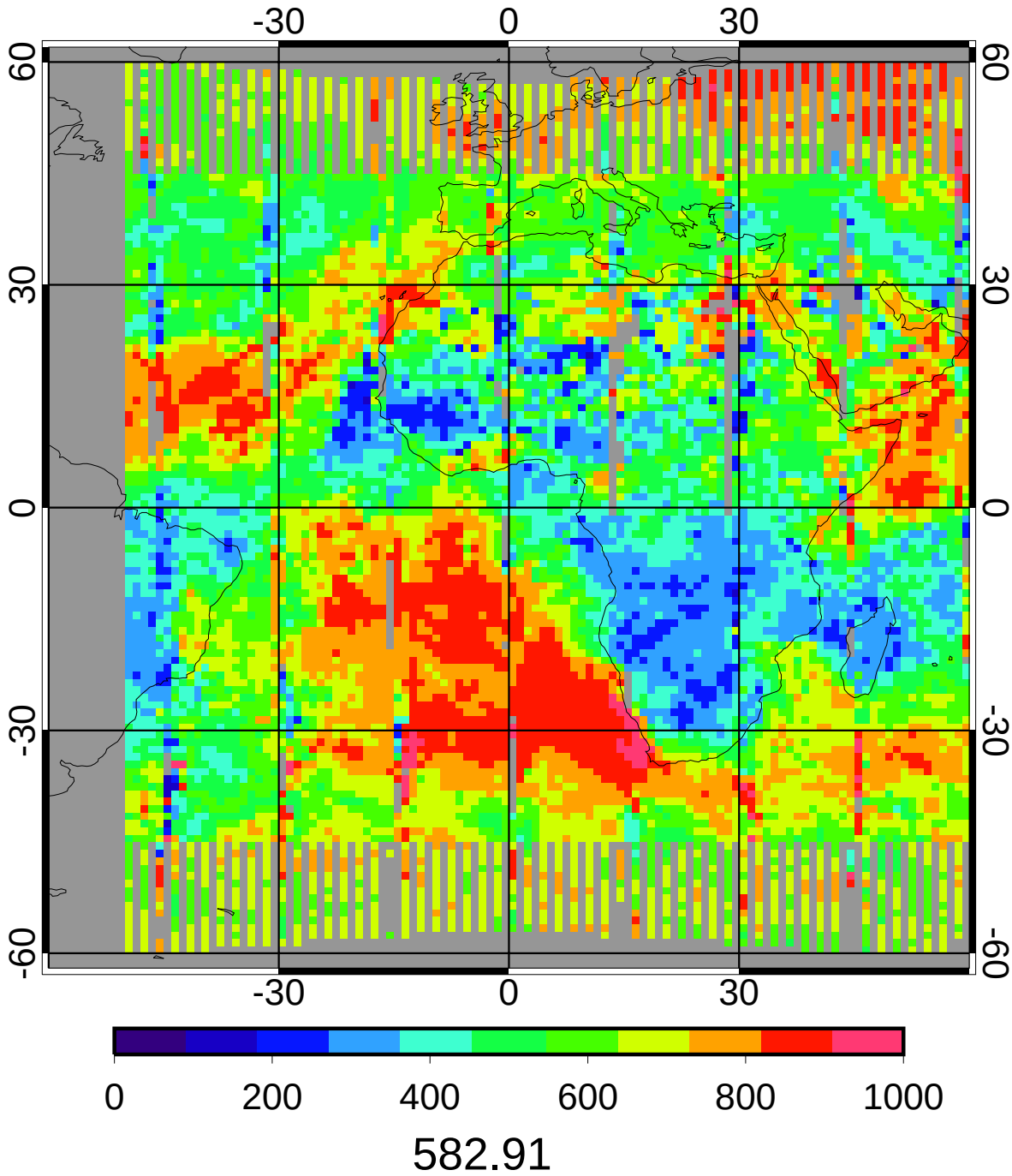
GGEO MEAN Nighttime Cloud Eff Pressure (mb)

5ch Jan 2010 (lapse rate)



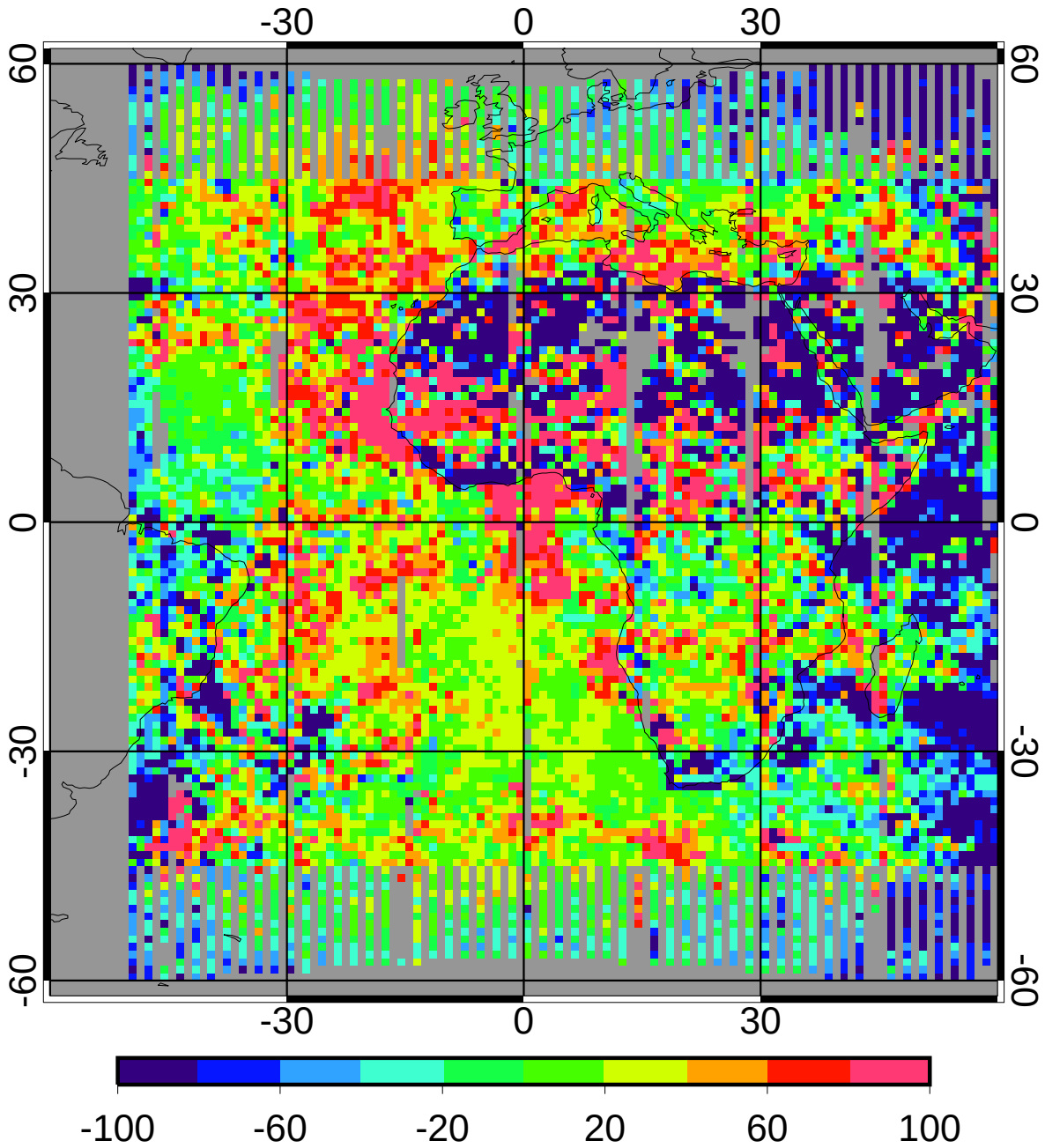
CERES/Aqua MEAN Nighttime Cloud Eff Pressure (mb)

5ch Jan 2010 (lapse rate)



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

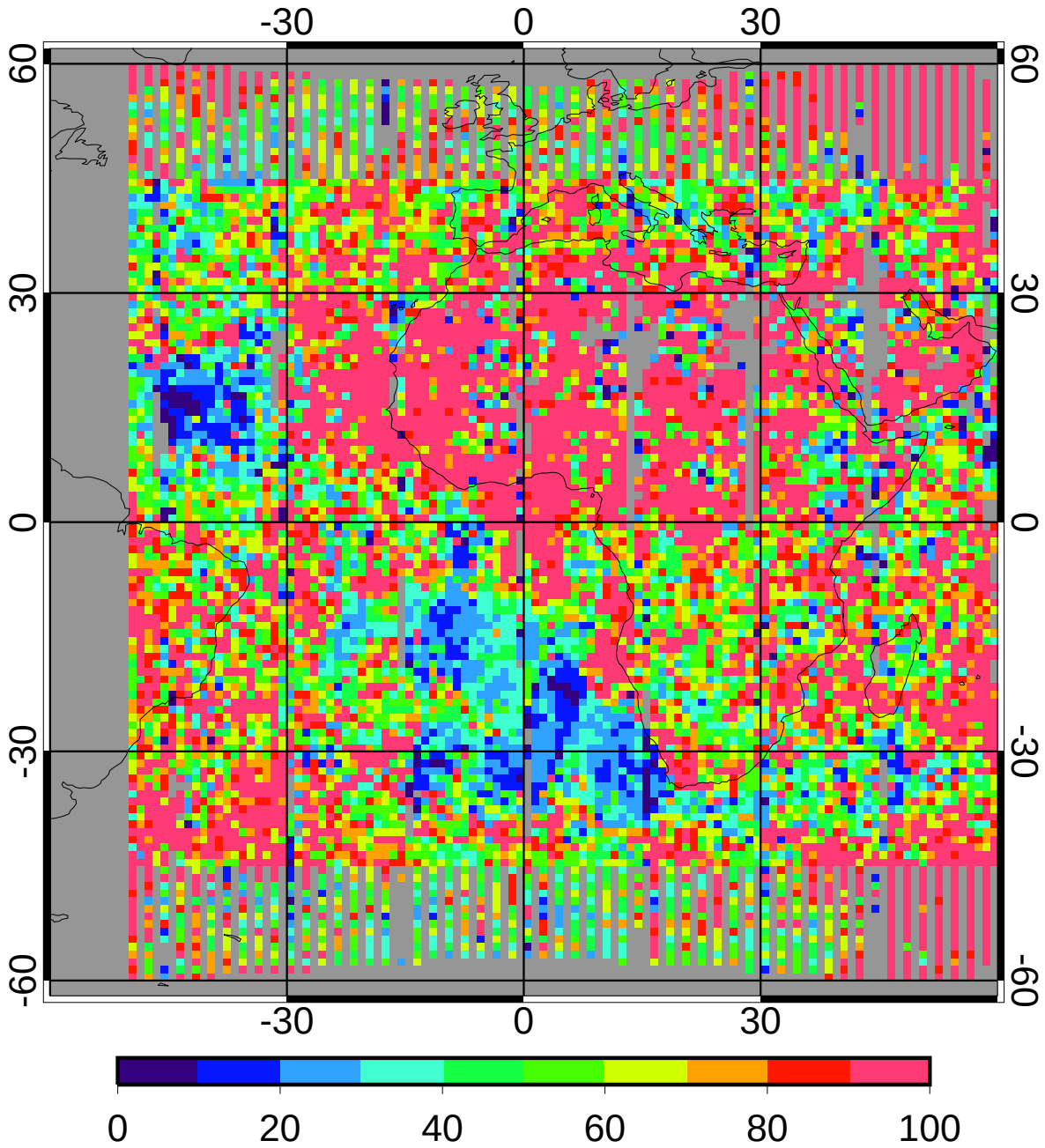
5ch Jan 2010 (lapse rate)



bias	-9.29	-1.59%
domain sigma	90.75	15.57%

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

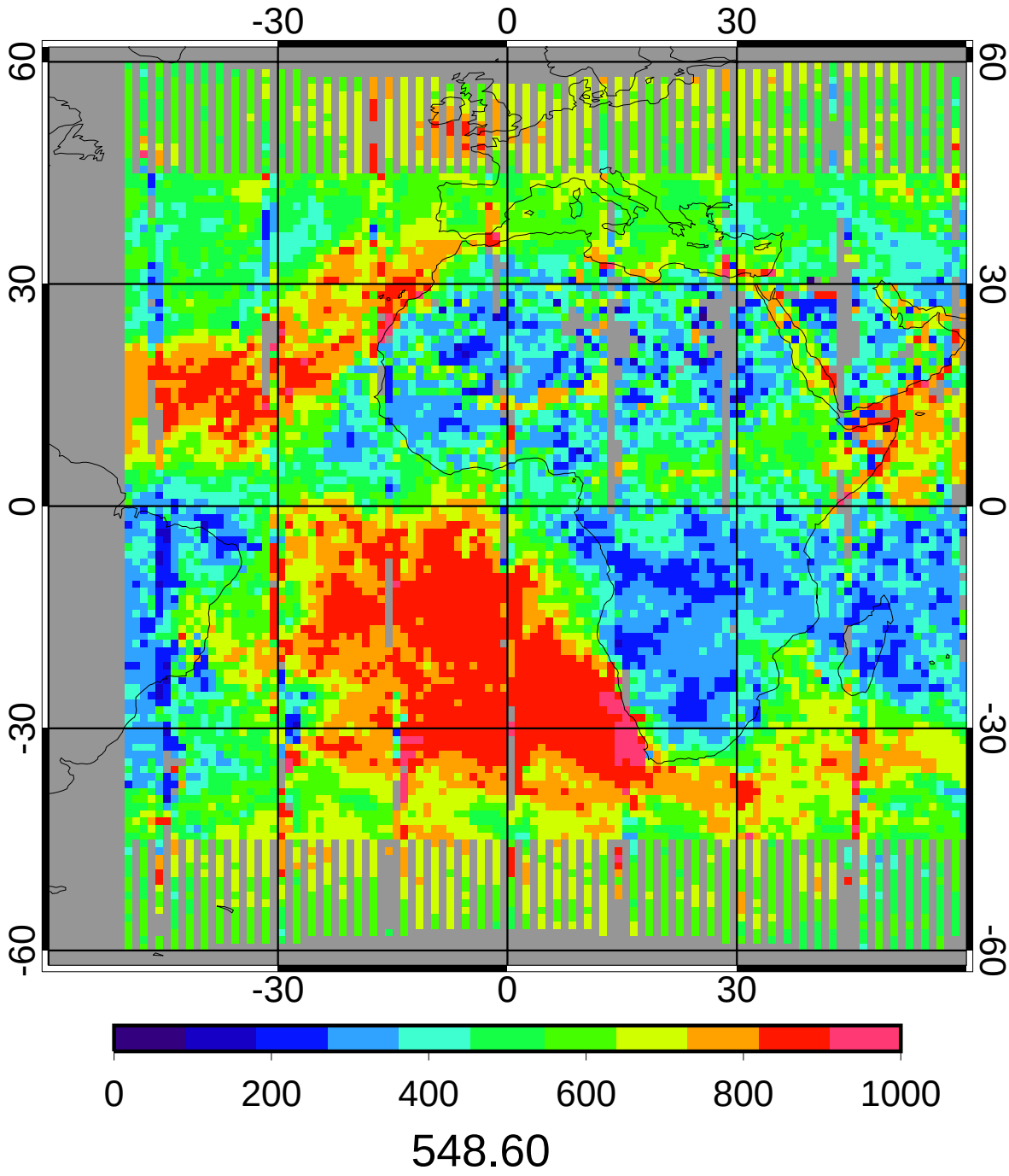
5ch Jan 2010 (lapse rate)



regave rms	86.04	14.76%
domain rms	93.71	16.08%

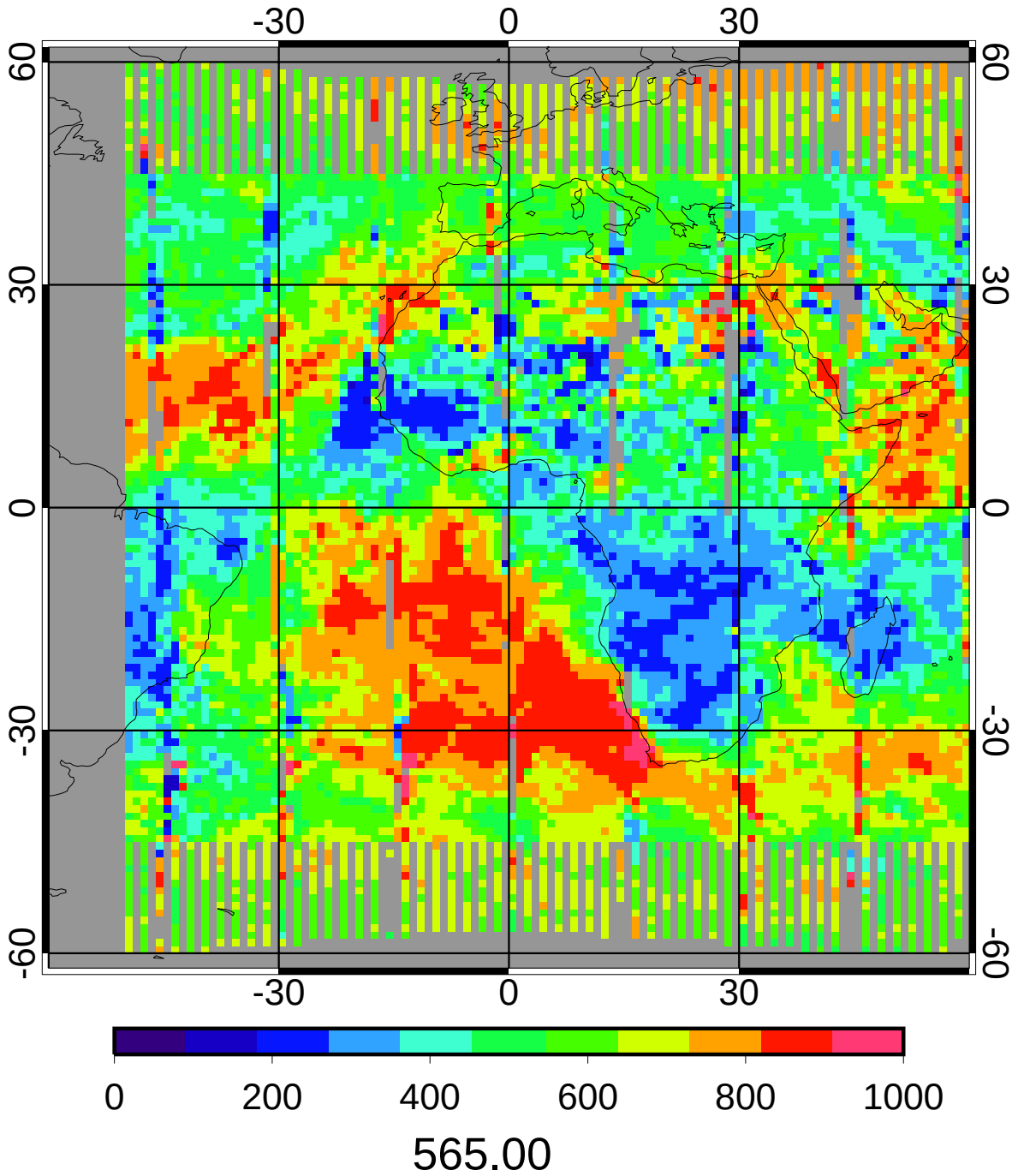
GGEO MEAN Nighttime Cloud Top Pressure (mb)

5ch Jan 2010 (lapse rate)



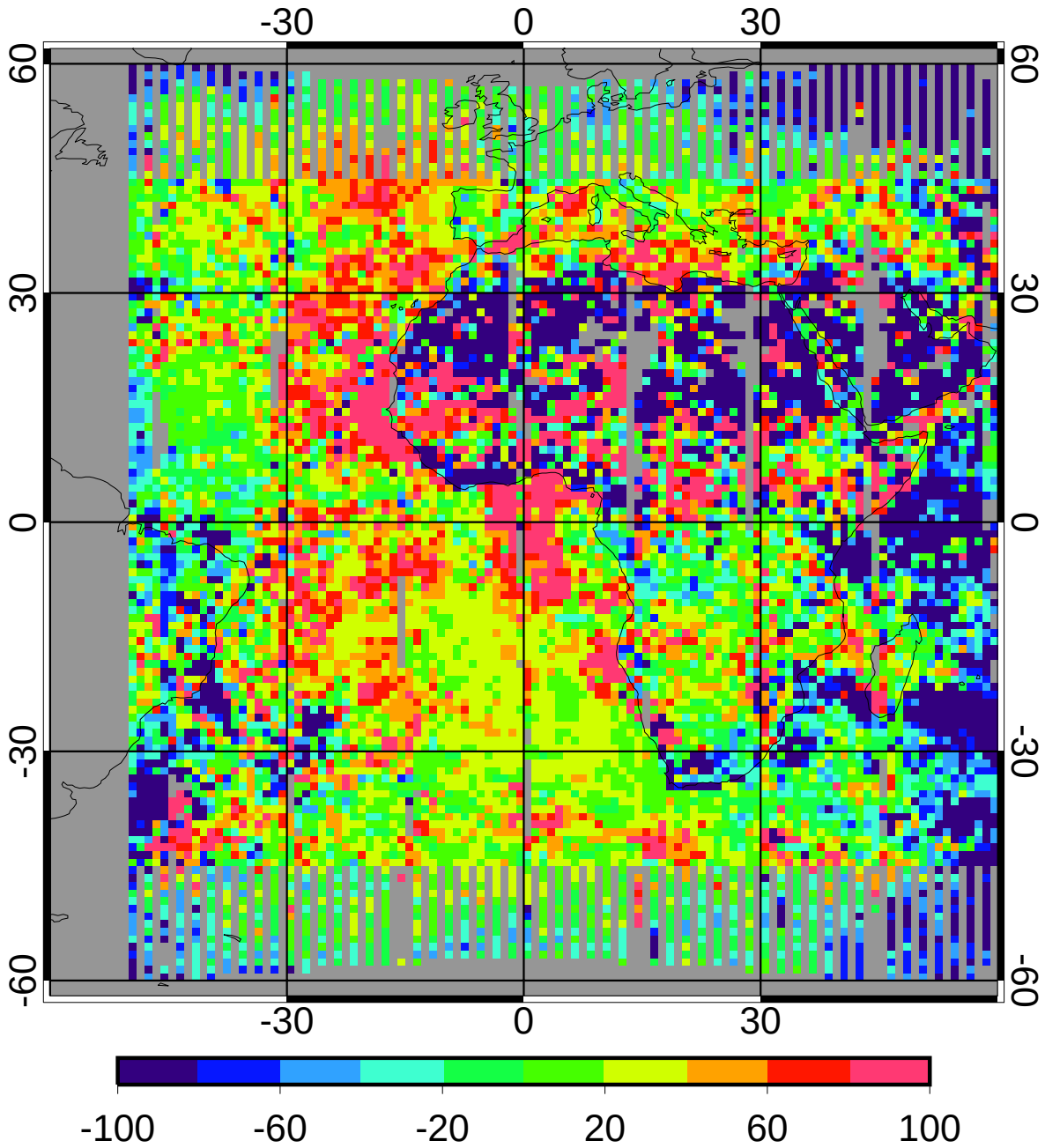
CERES/Aqua MEAN Nighttime Cloud Top Pressure (mb)

5ch Jan 2010 (lapse rate)



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

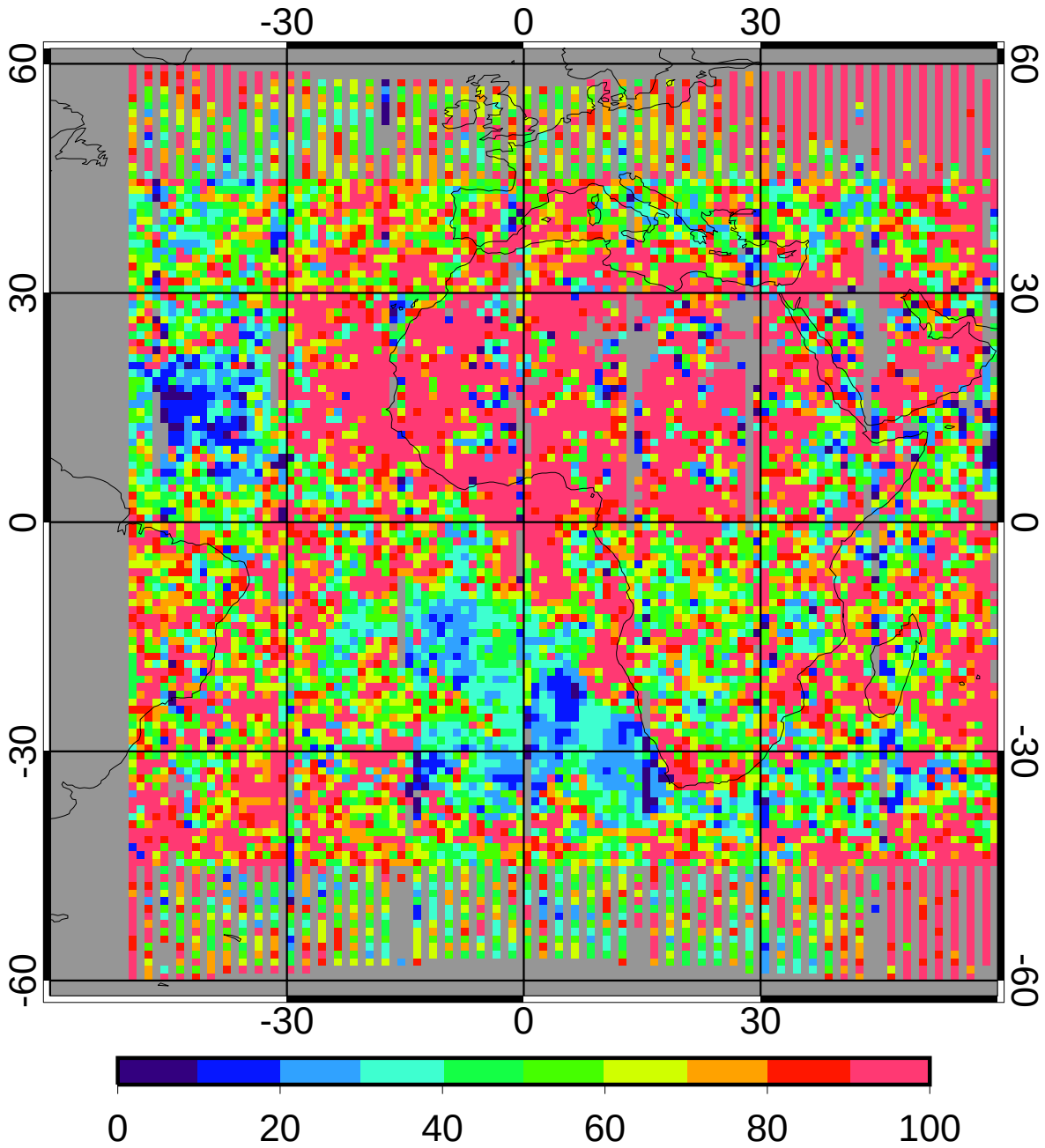
5ch Jan 2010 (lapse rate)



bias	-8.22	-1.45%
domain sigma	93.12	16.48%

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

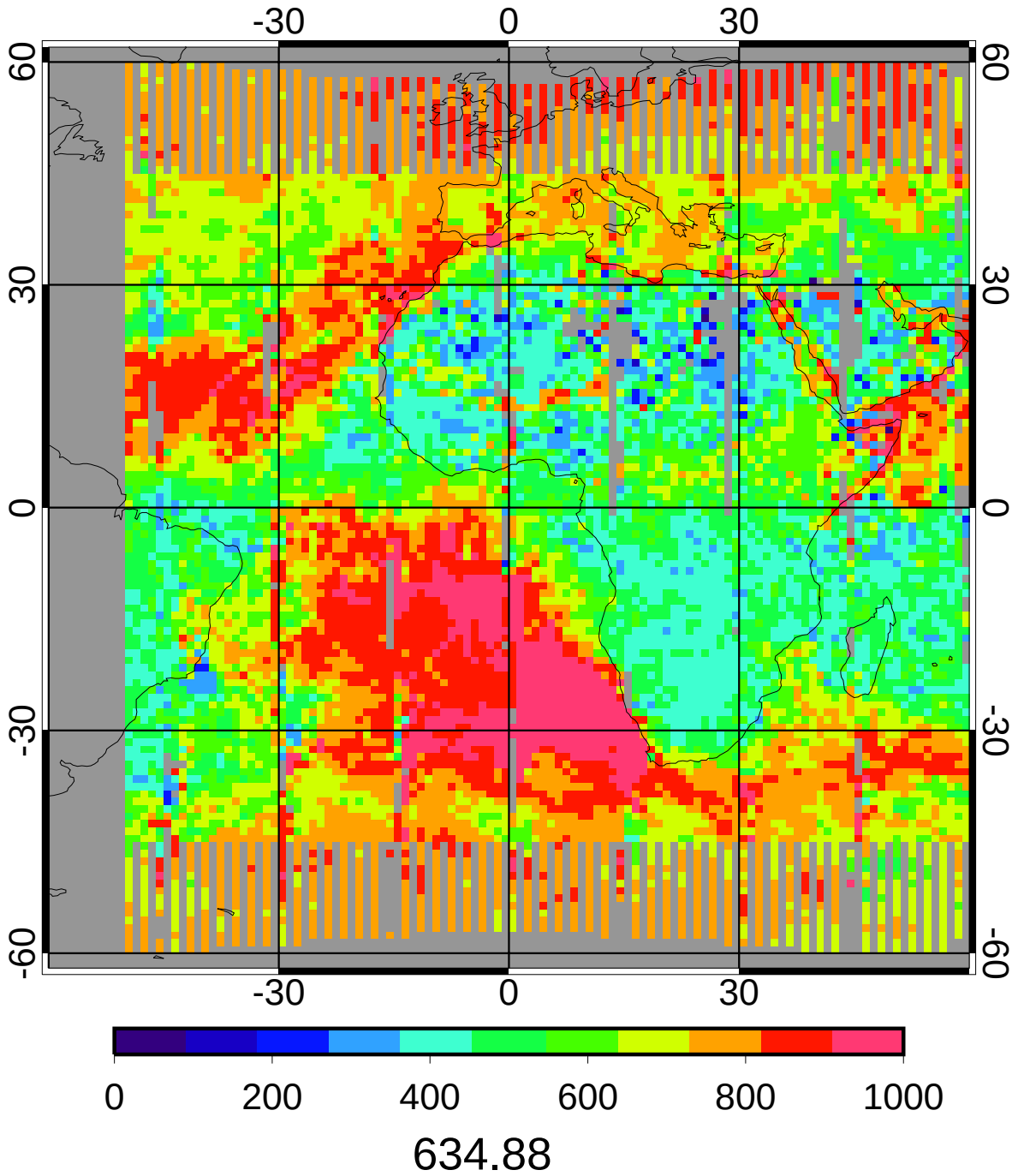
5ch Jan 2010 (lapse rate)



regave rms	86.11	15.24%
domain rms	93.95	16.63%

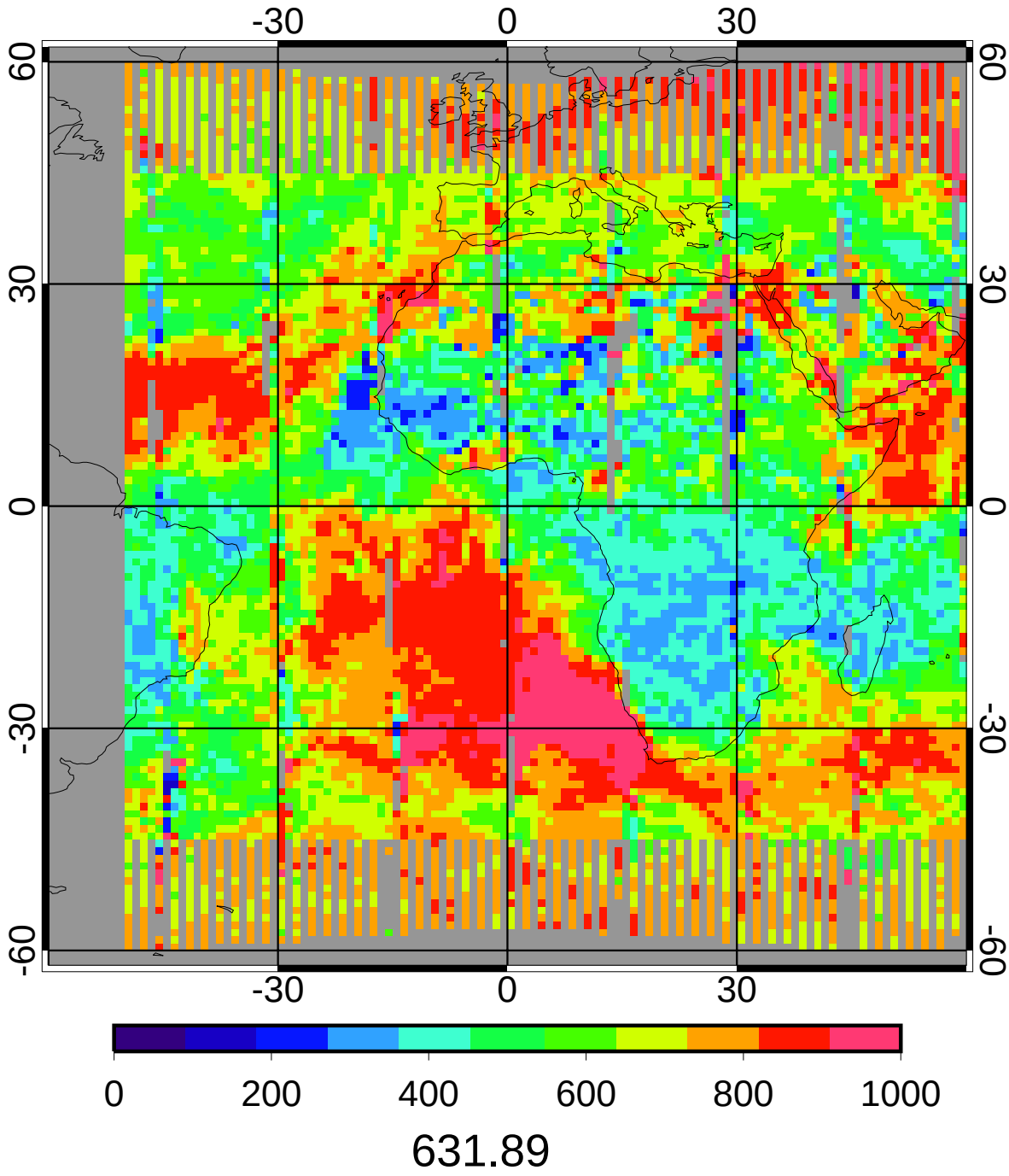
GGEO MEAN Nighttime Cloud Base Pressure (mb)

5ch Jan 2010 (lapse rate)



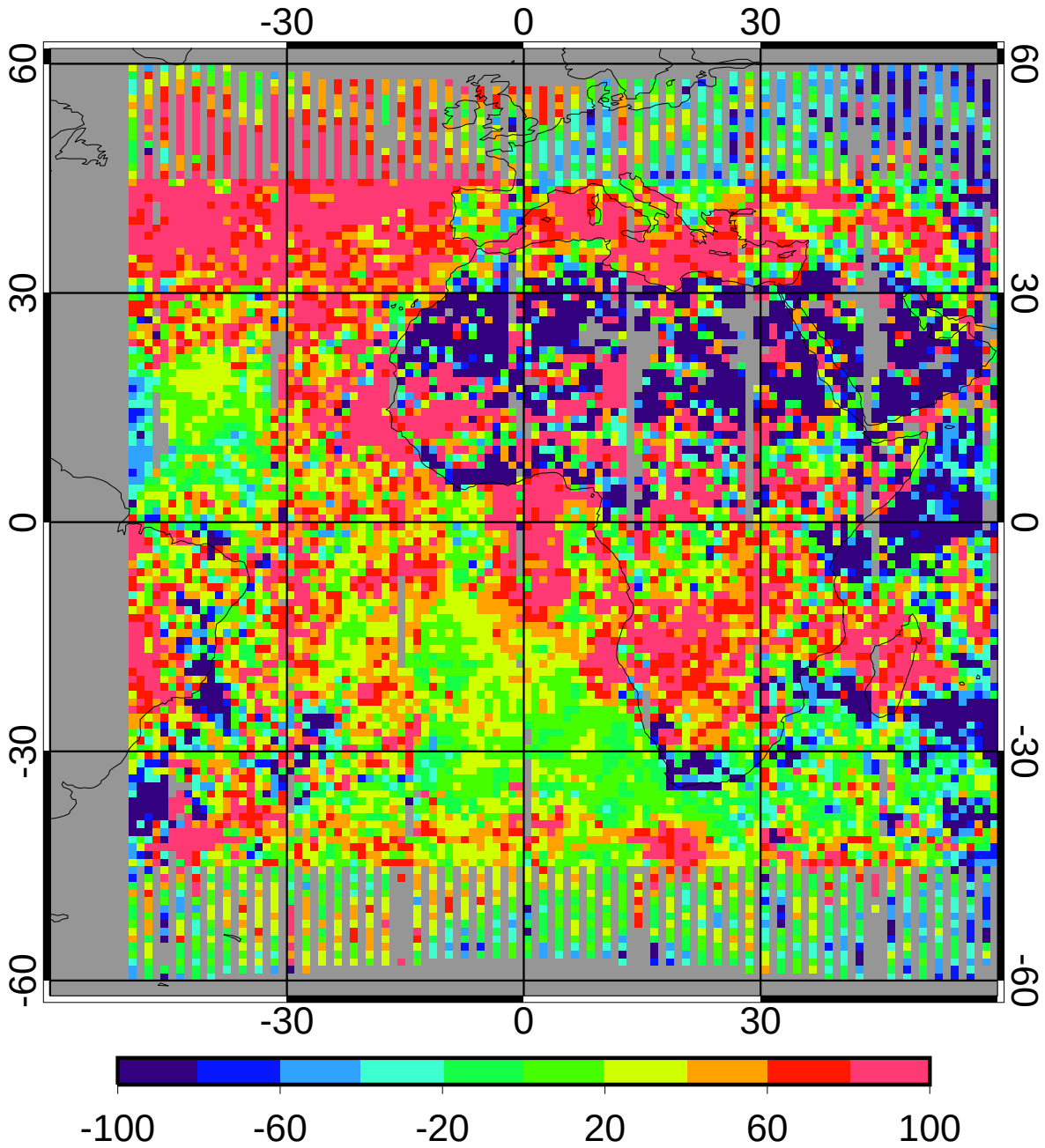
CERES/Aqua MEAN Nighttime Cloud Base Pressure (mb)

5ch Jan 2010 (lapse rate)



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

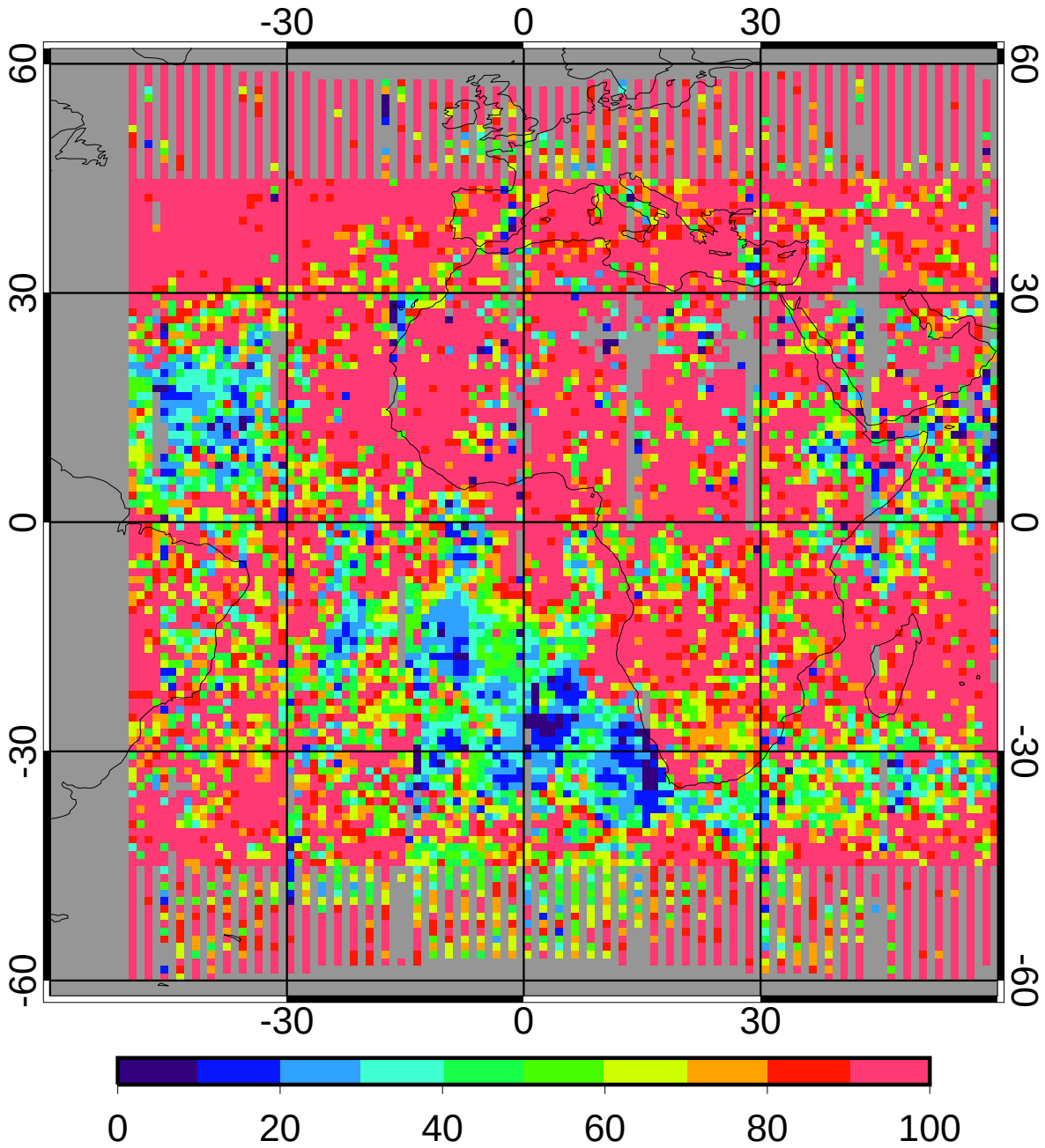
5ch Jan 2010 (lapse rate)



bias	11.72	1.86%
domain sigma	97.76	15.47%

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

5ch Jan 2010 (lapse rate)

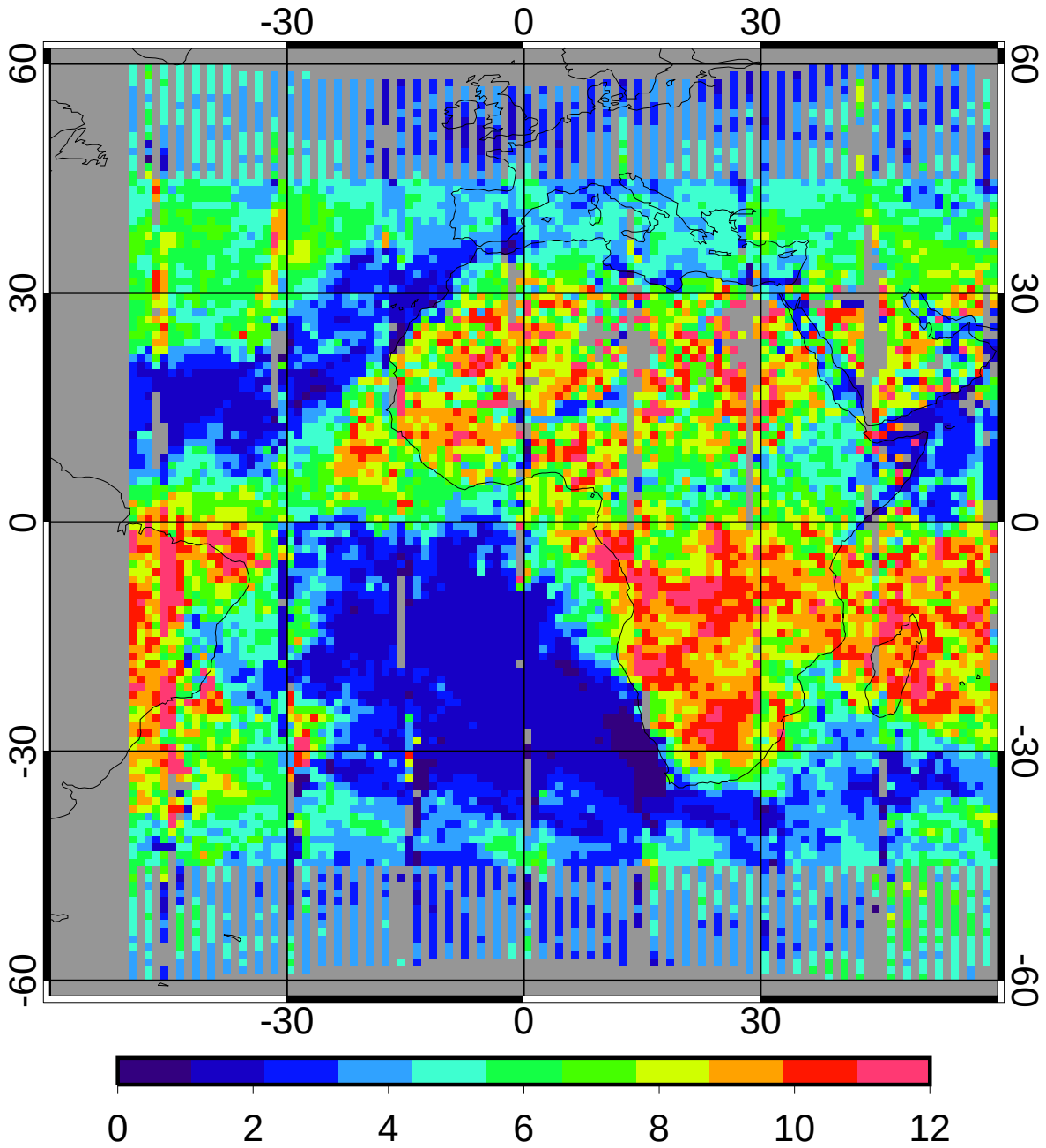


regave rms 101.47 16.06%

domain rms 107.93 17.08%

GGEO MEAN Nighttime Cloud Eff Height (km)

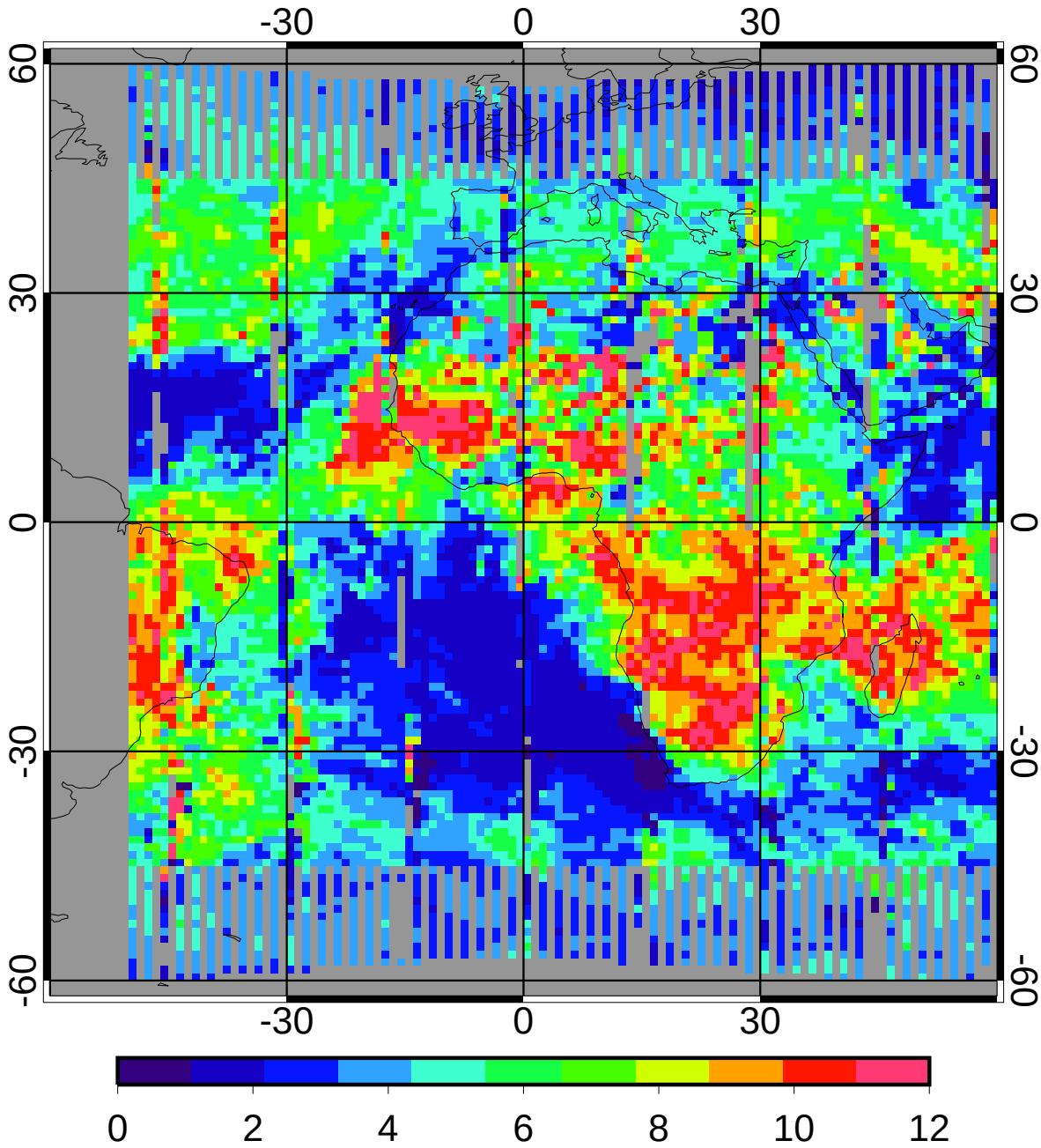
5ch Jan 2010 (lapse rate)



5.47

CERES/Aqua MEAN Nighttime Cloud Eff Height (km)

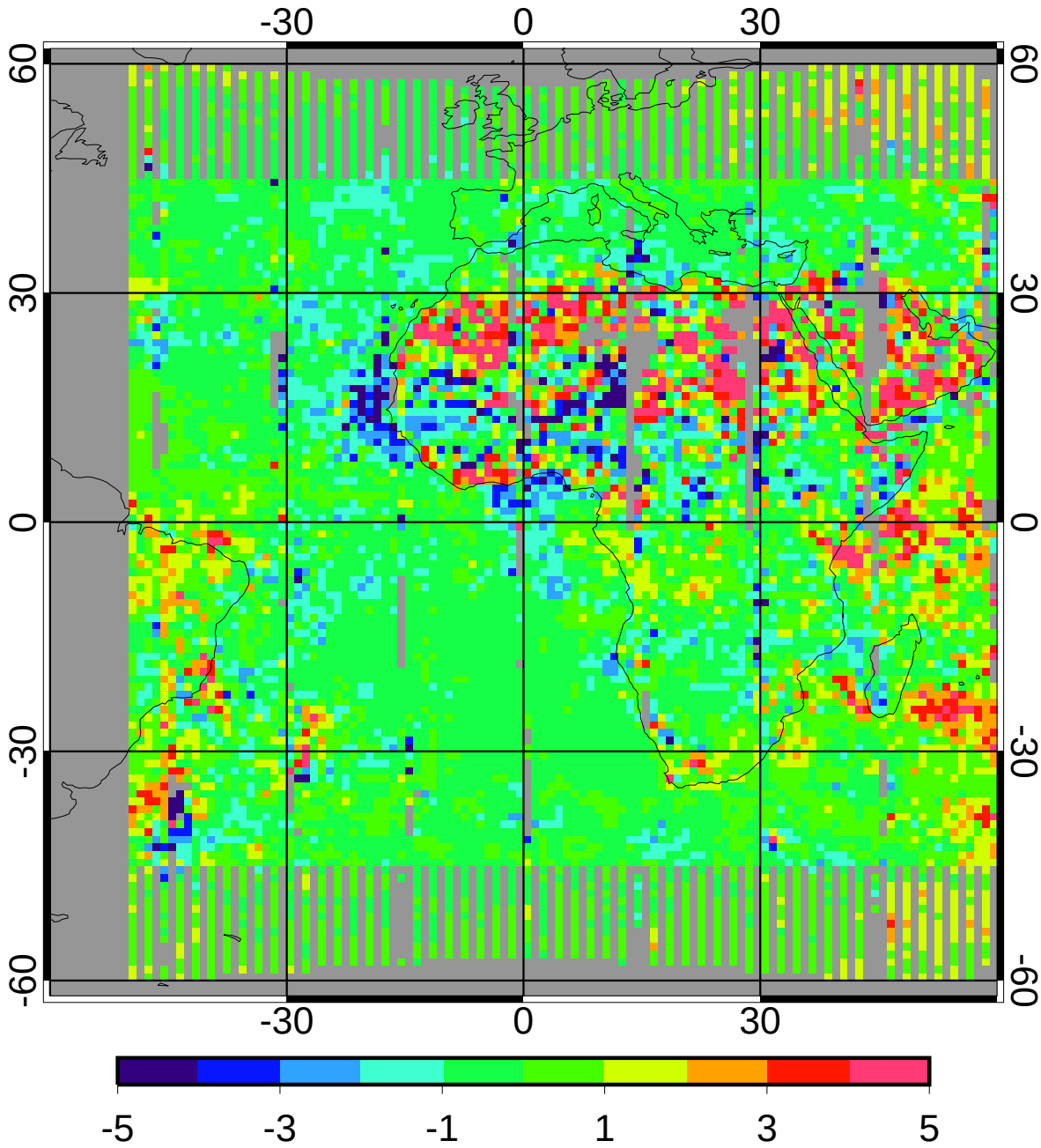
5ch Jan 2010 (lapse rate)



5.42

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

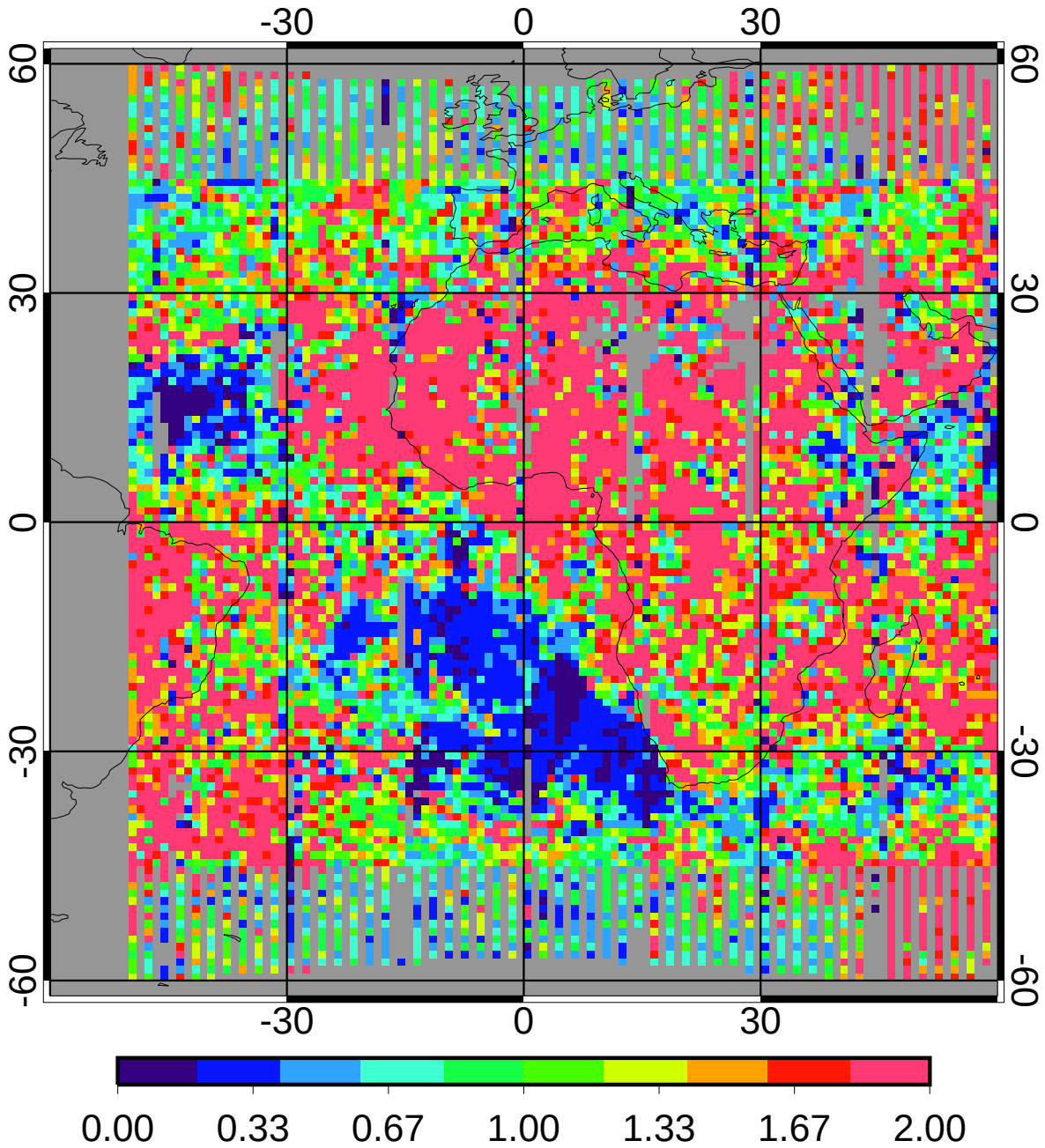
5ch Jan 2010 (lapse rate)



bias	0.08	1.52%
domain sigma	1.52	28.07%

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

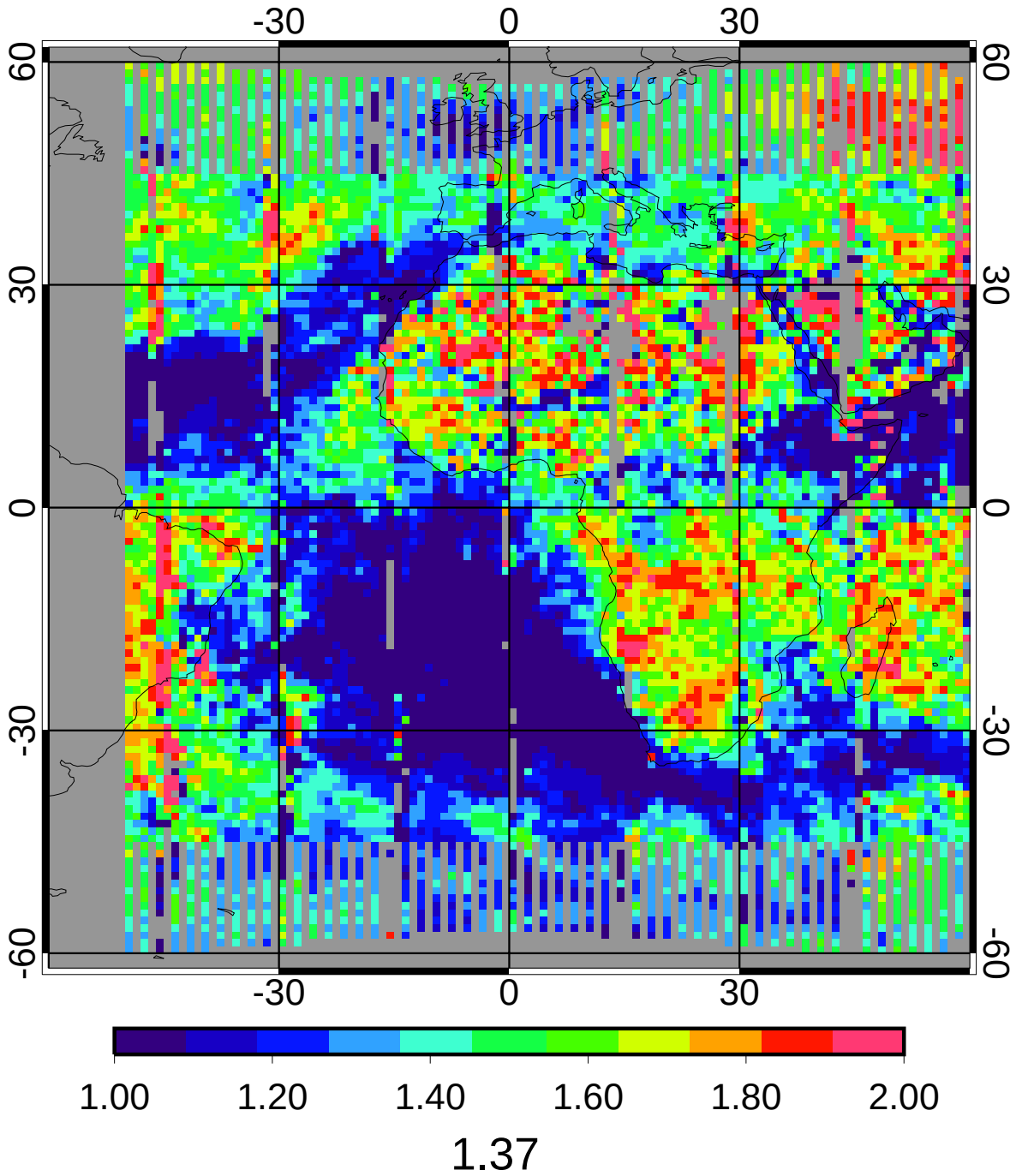
5ch Jan 2010 (lapse rate)



regave rms	1.58	29.11%
domain rms	1.68	30.98%

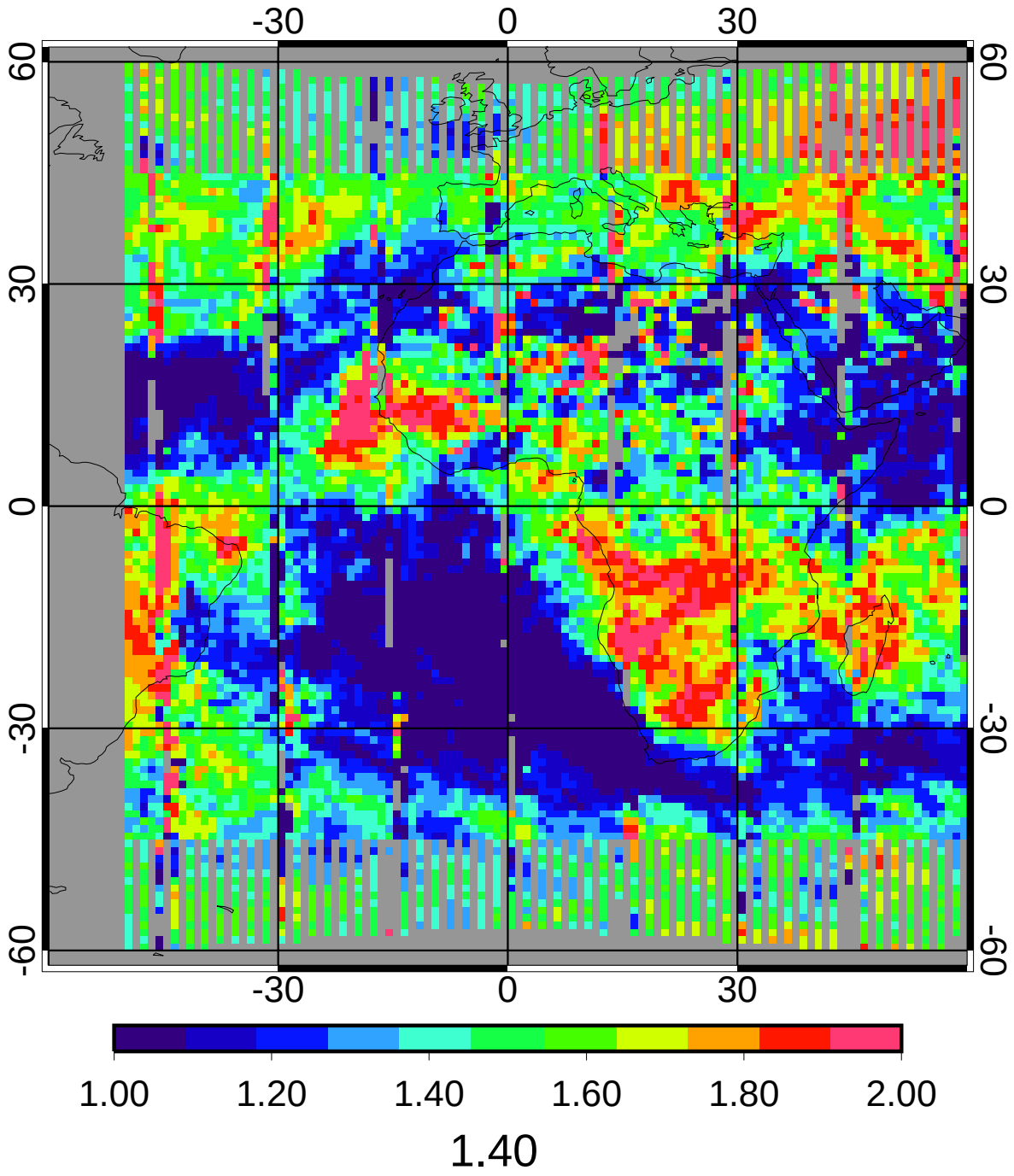
GGEO MEAN Nighttime Cloud Phase

5ch Jan 2010 (lapse rate)



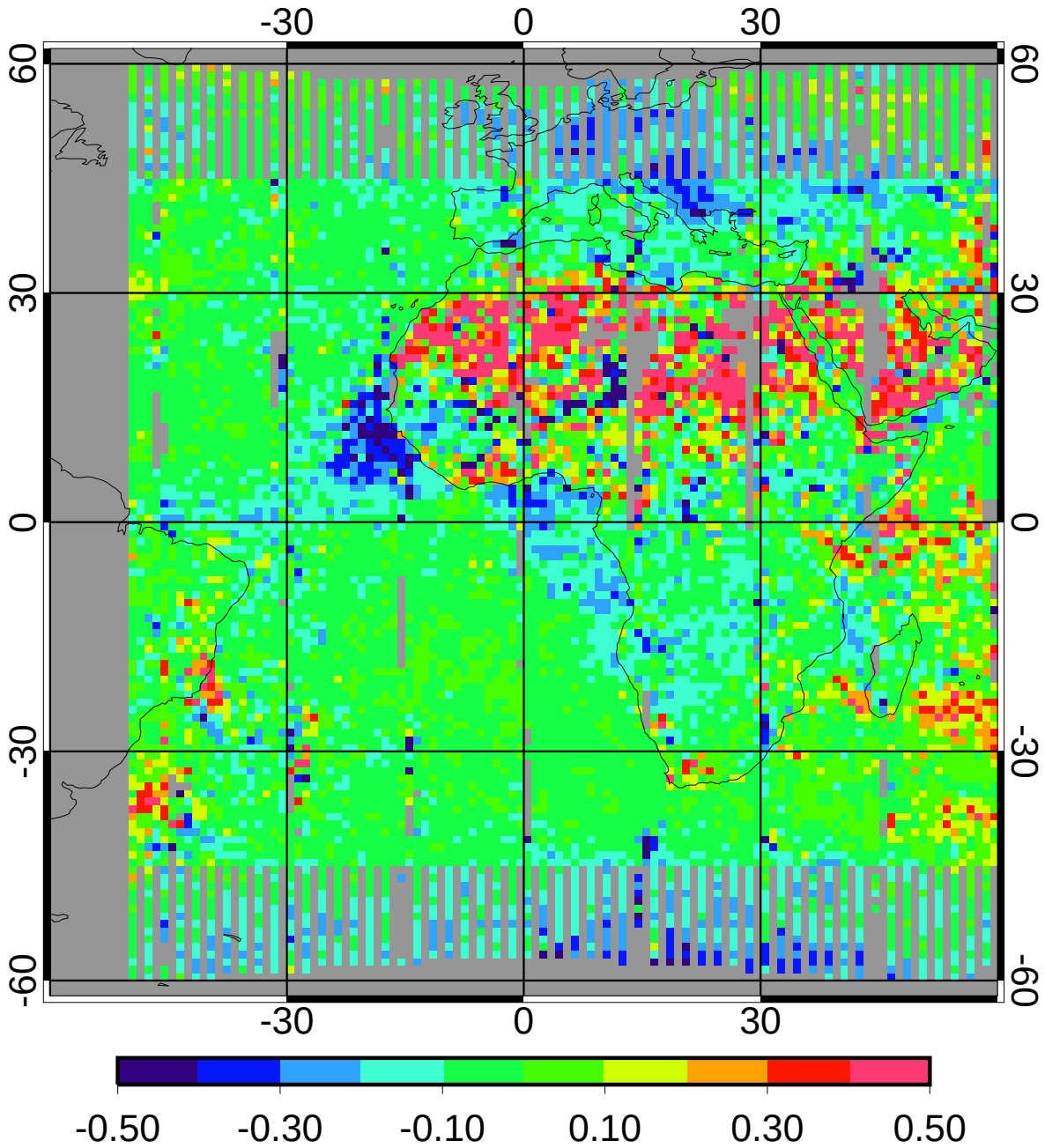
CERES/Aqua MEAN Nighttime Cloud Phase

5ch Jan 2010 (lapse rate)



GGEO - CERES/Aqua Nighttime Cloud Phase Bias

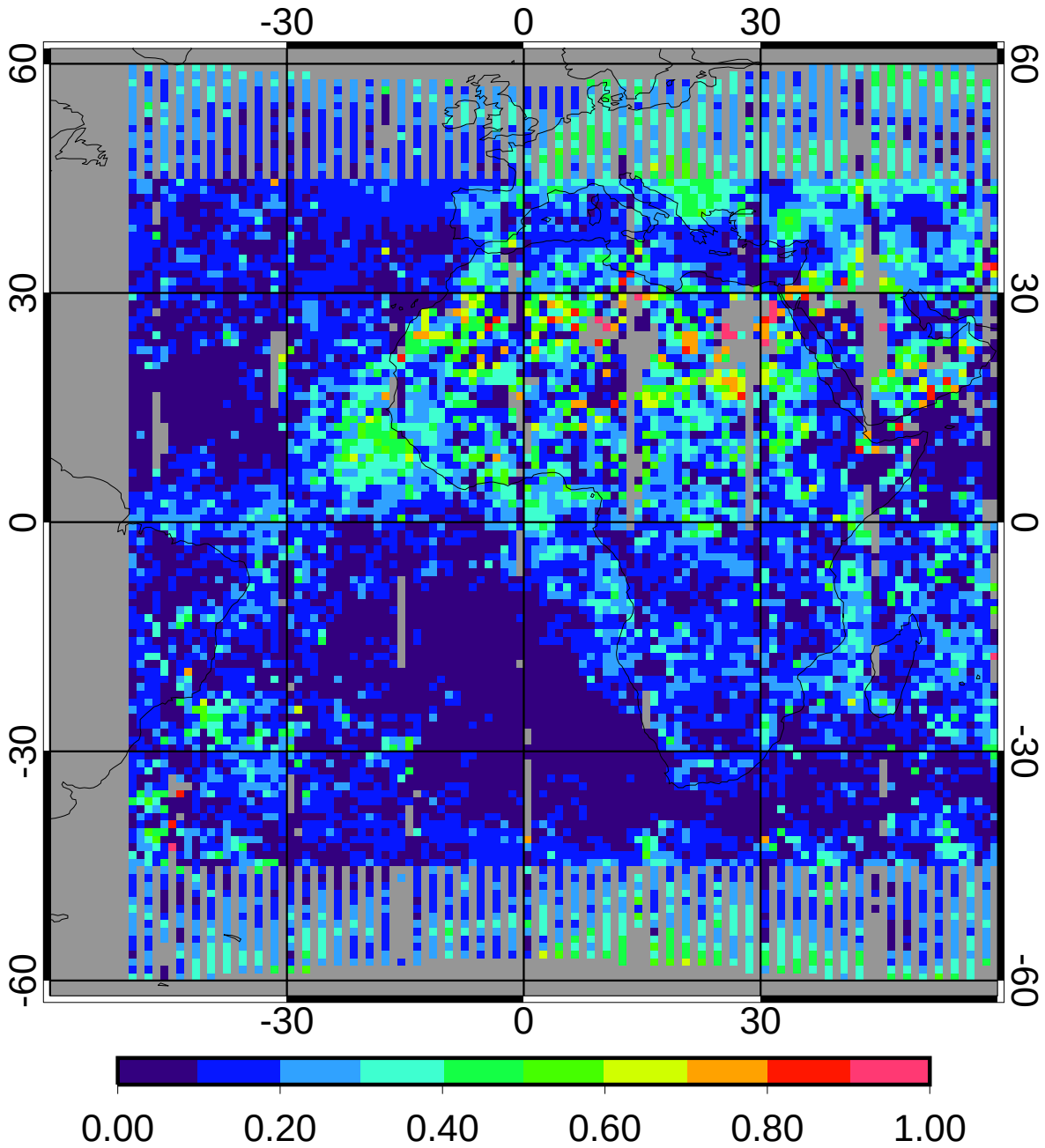
5ch Jan 2010 (lapse rate)



bias	-0.02	-1.26%
domain sigma	0.16	11.54%

GGEO - CERES/Aqua Nighttime Cloud Phase RMS

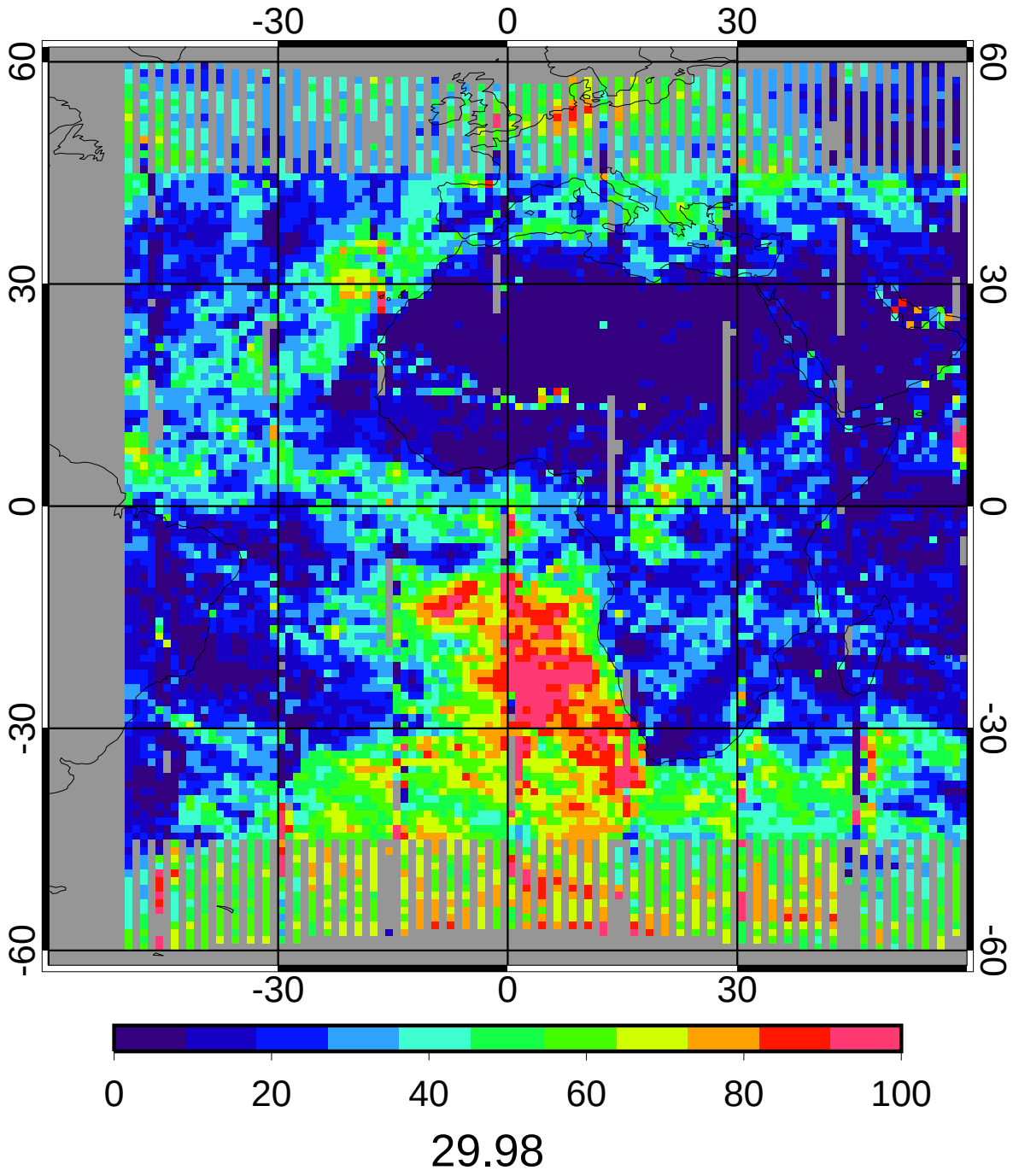
5ch Jan 2010 (lapse rate)



regave rms	0.17	12.23%
domain rms	0.20	13.91%

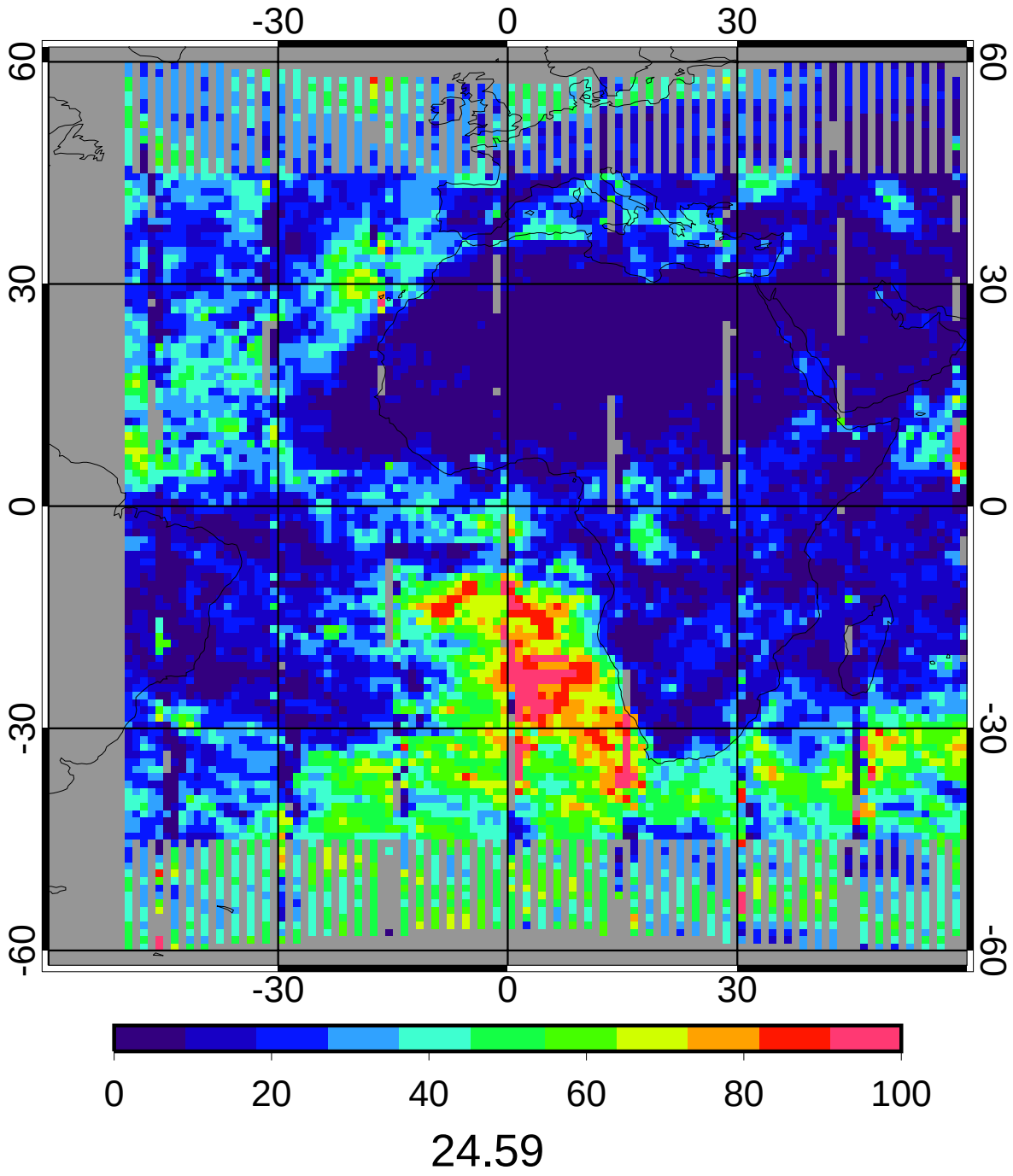
GGEO MEAN Nighttime Liquid Cld Amt (%)

5ch Jan 2010 (lapse rate)



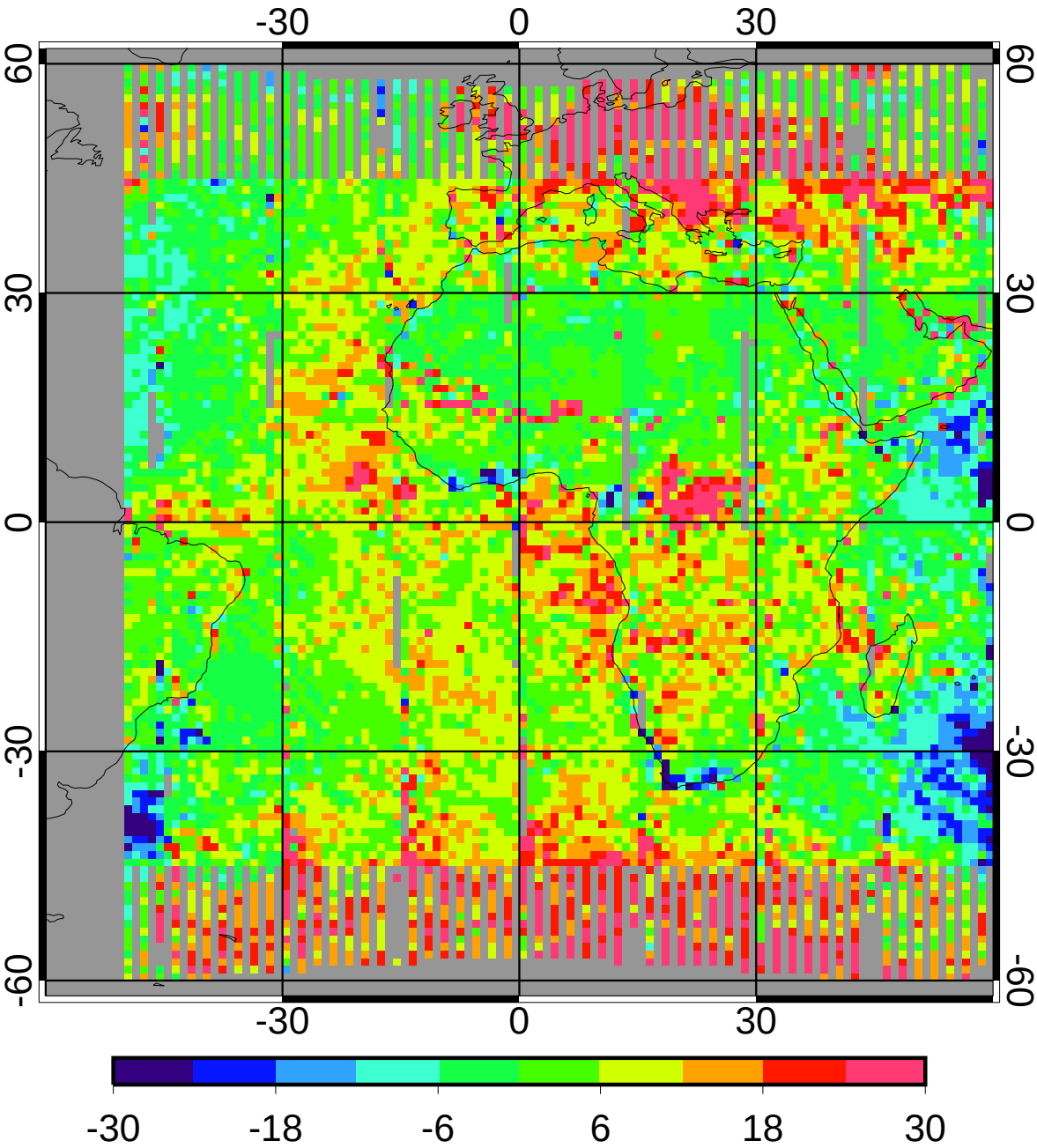
CERES/Aqua MEAN Nighttime Liquid Cld Amt (%)

5ch Jan 2010 (lapse rate)



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

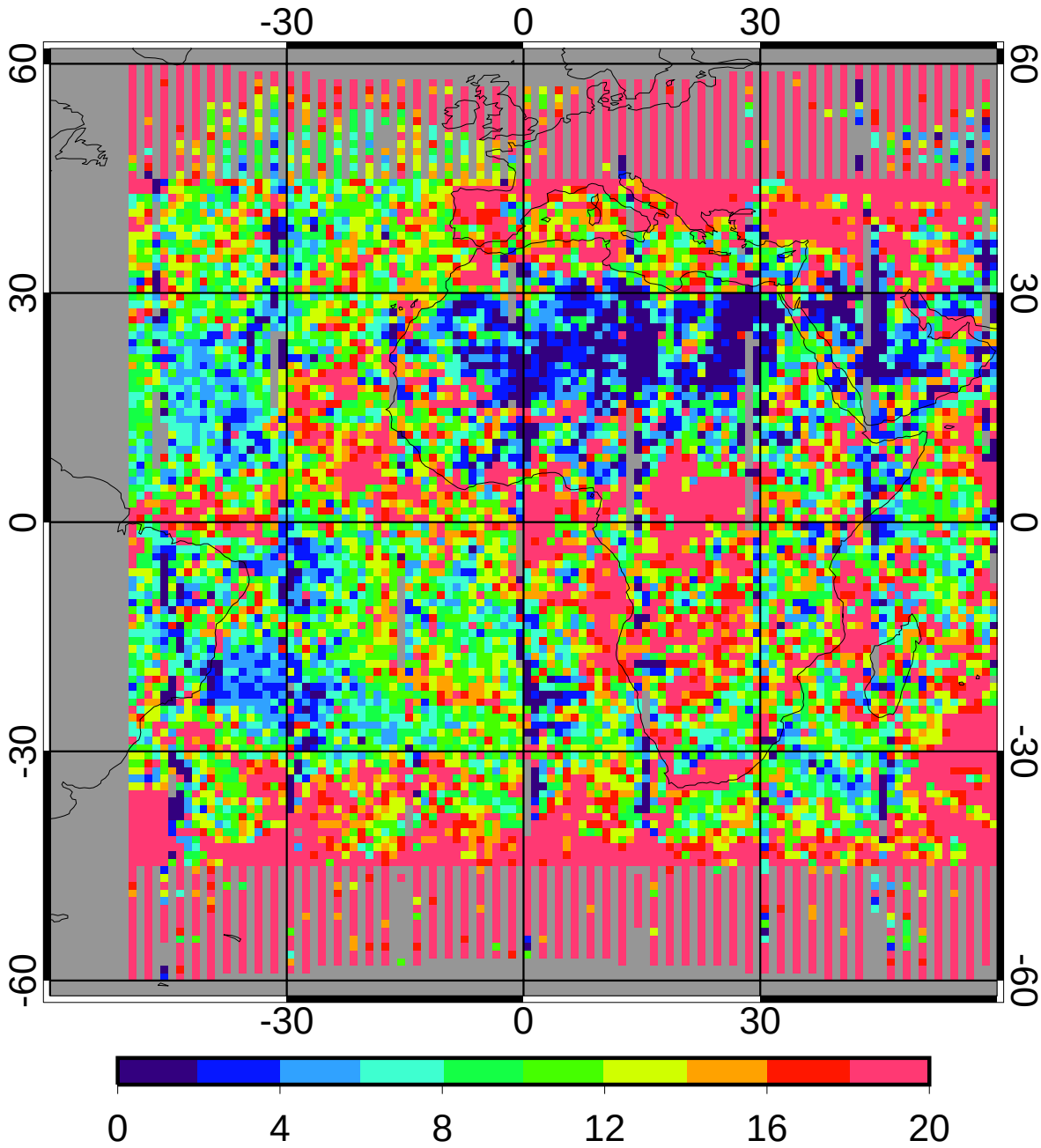
5ch Jan 2010 (lapse rate)



bias	5.39	21.90%
domain sigma	9.00	36.58%

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

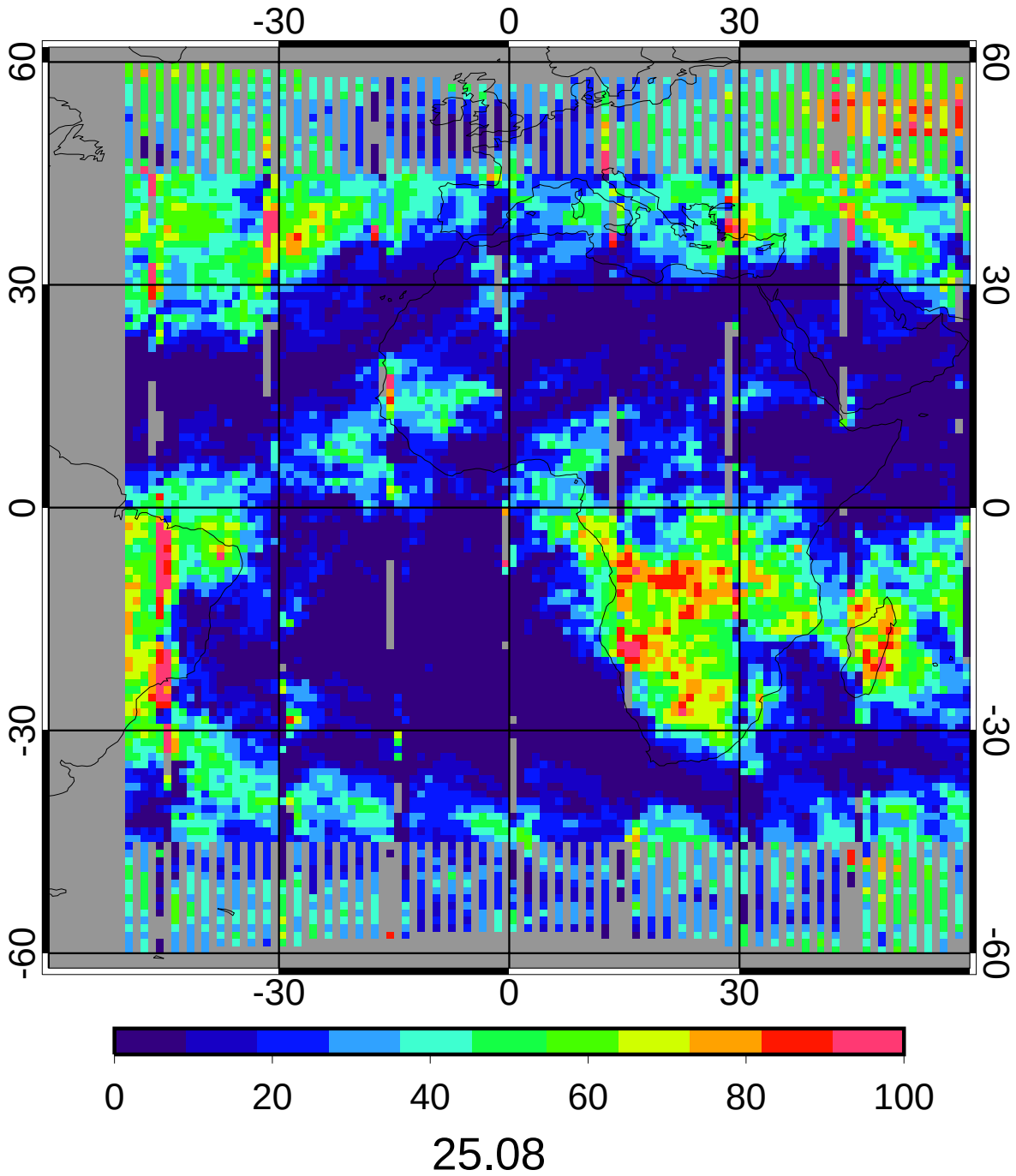
5ch Jan 2010 (lapse rate)



regave rms	14.35	58.35%
domain rms	17.17	69.81%

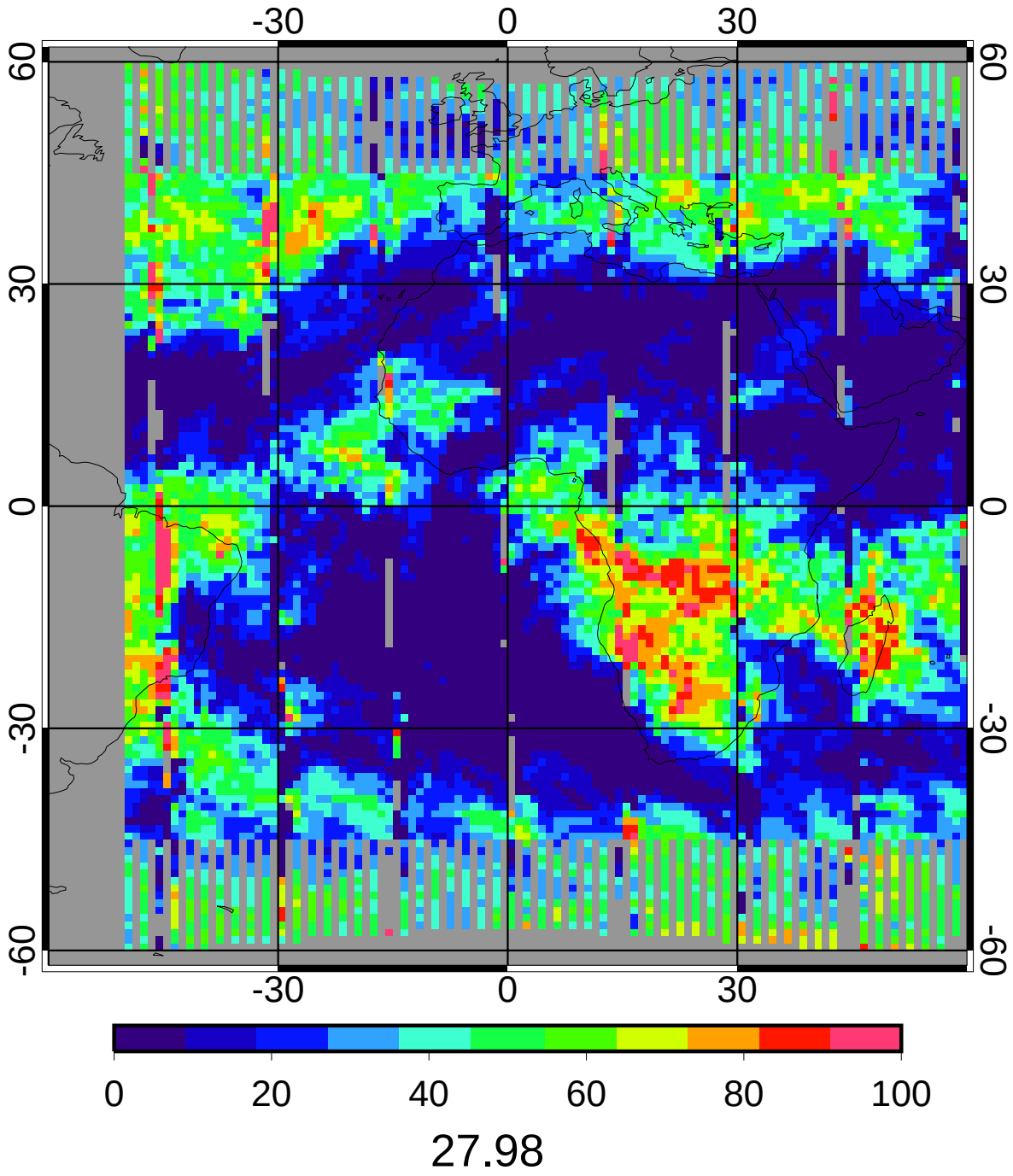
GGEO MEAN Nighttime Ice Cld Amt (%)

5ch Jan 2010 (lapse rate)



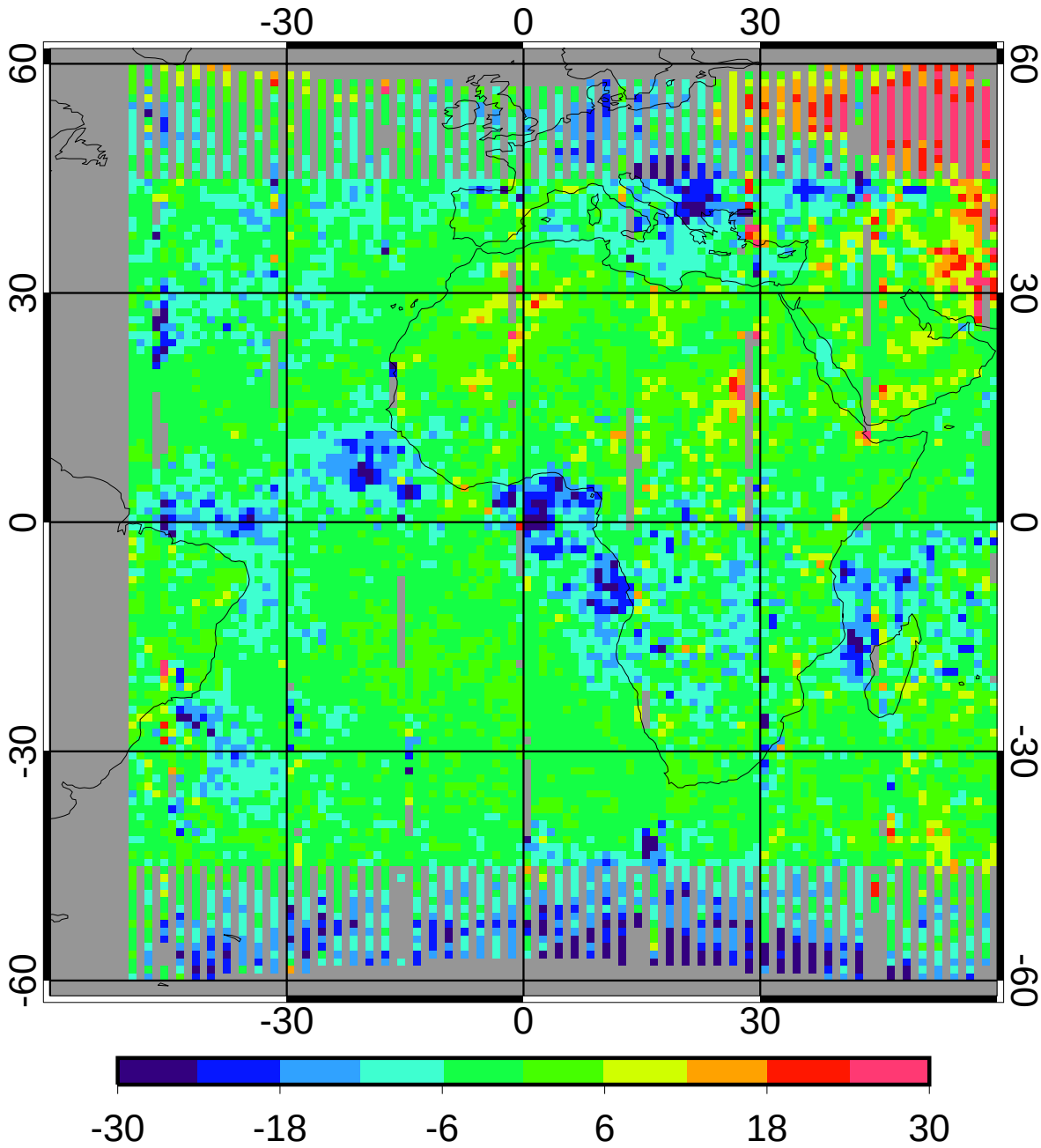
CERES/Aqua MEAN Nighttime Ice Cld Amt (%)

5ch Jan 2010 (lapse rate)



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

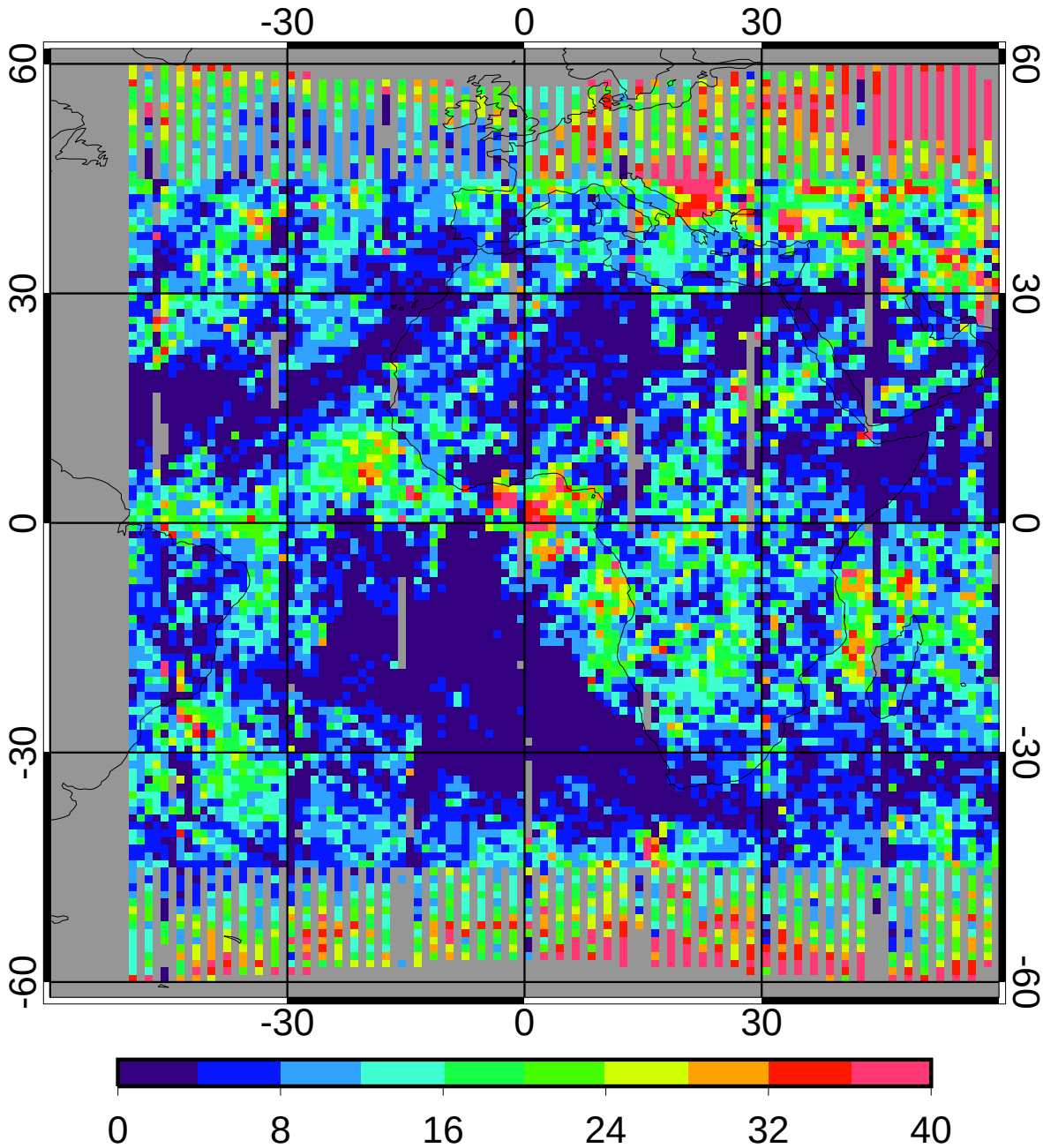
5ch Jan 2010 (lapse rate)



bias	-2.89	-10.35%
domain sigma	6.48	23.18%

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

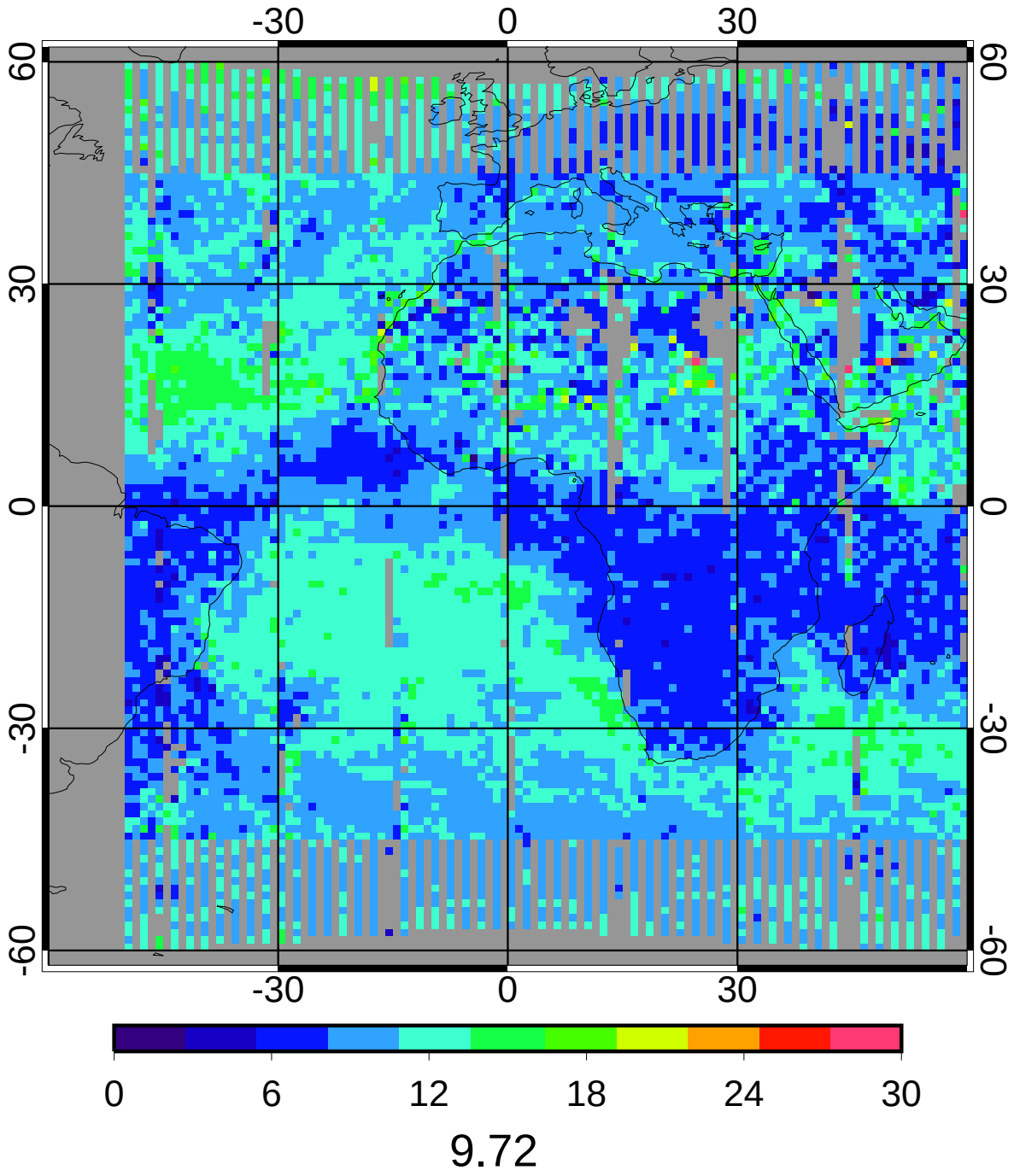
5ch Jan 2010 (lapse rate)



regave rms	10.32	36.89%
domain rms	13.66	48.84%

GGEO MEAN Nighttime Liquid Particle Size (microns)

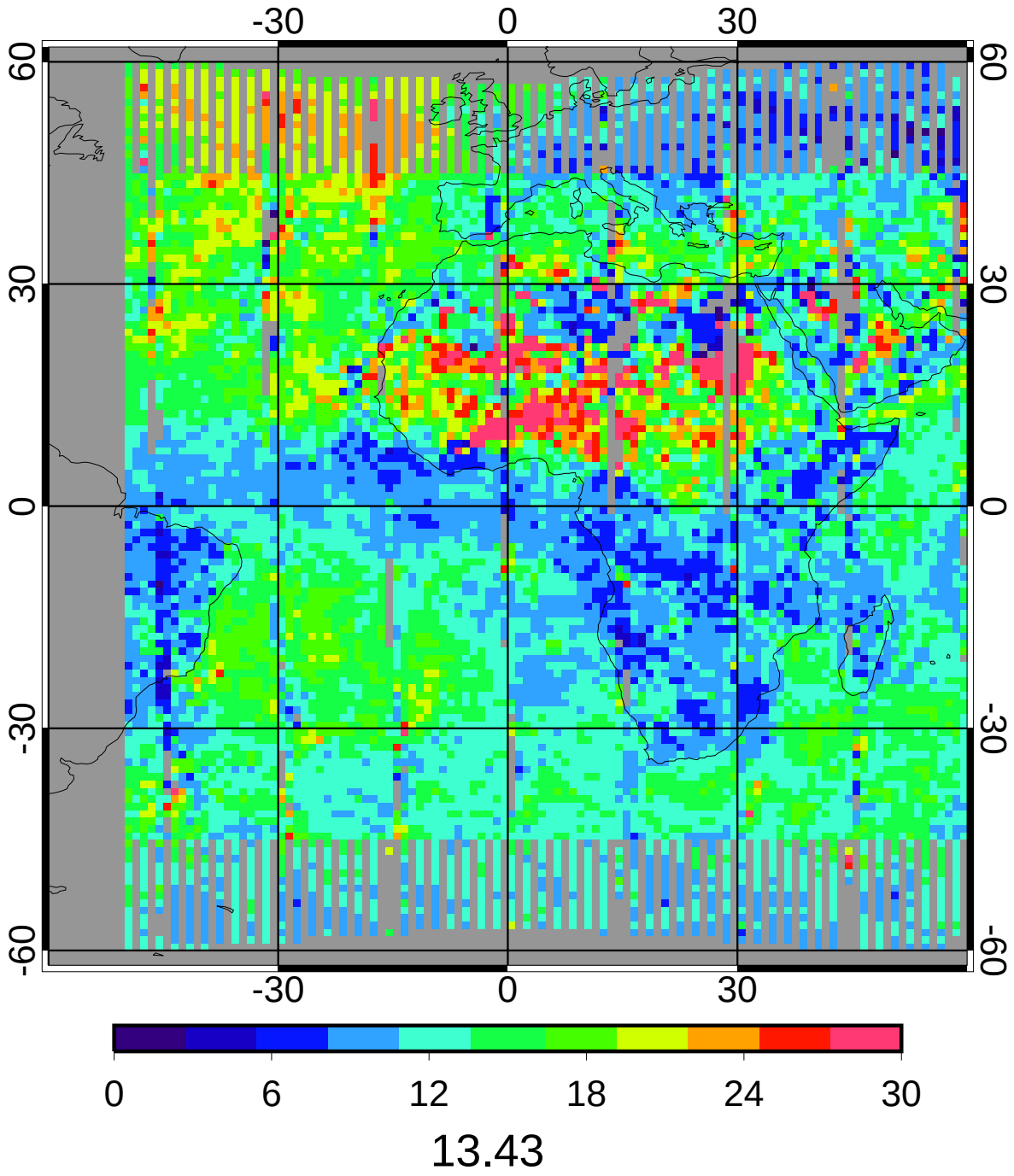
5ch Jan 2010 (lapse rate)



9.72

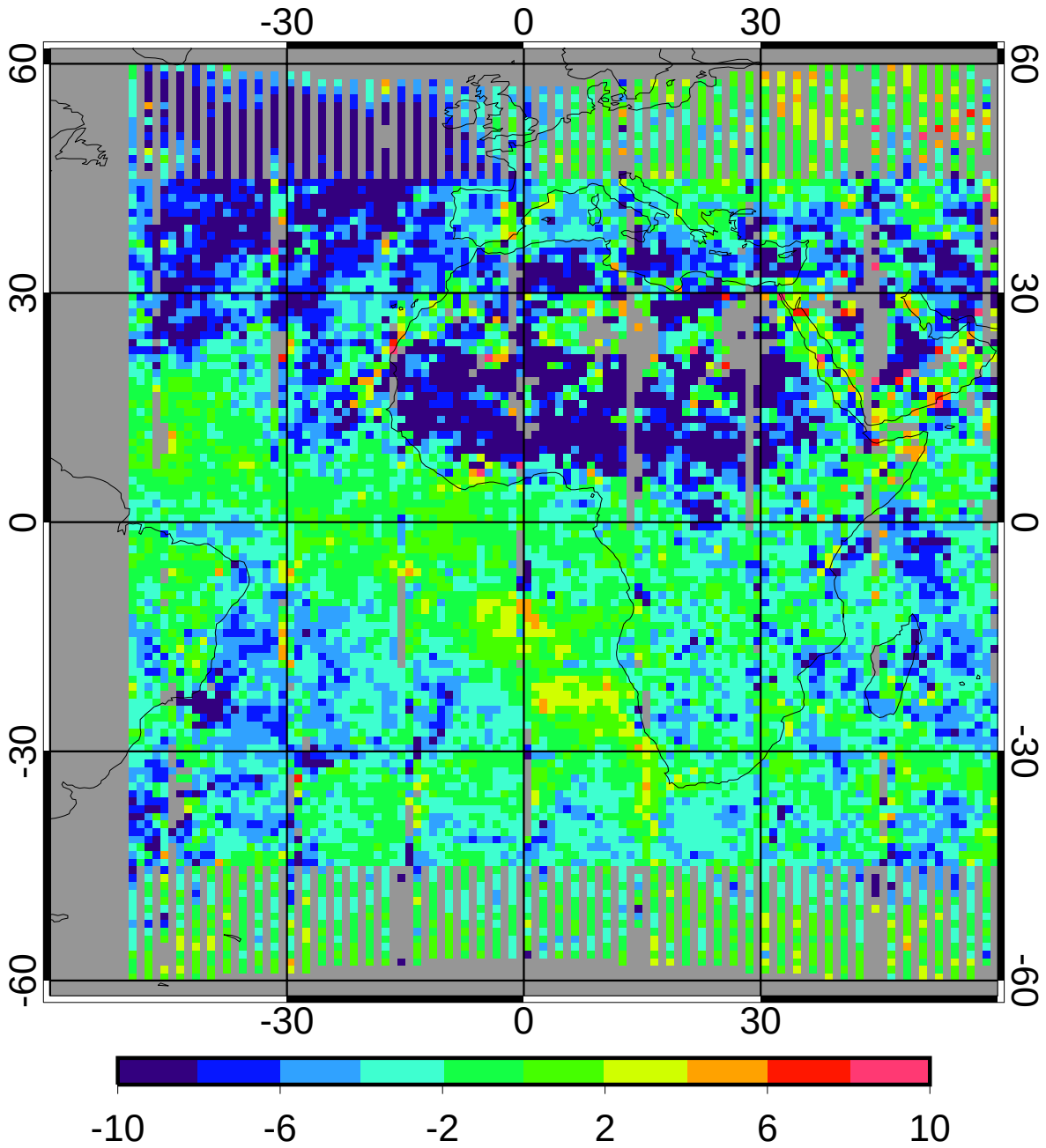
CERES/Aqua MEAN Nighttime Liquid Particle Size (microns)

5ch Jan 2010 (lapse rate)



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

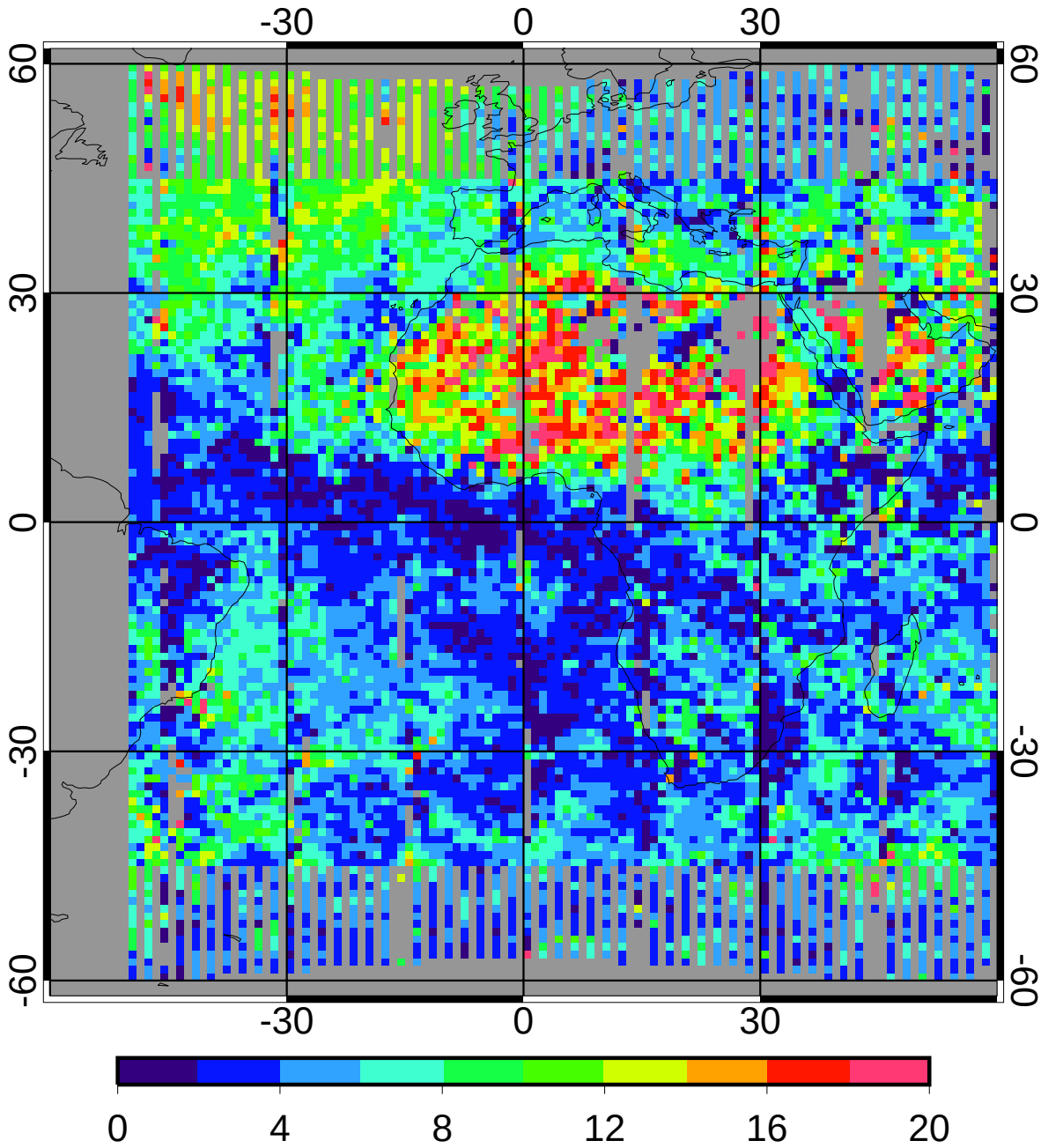
5ch Jan 2010 (lapse rate)



bias	-3.51	-26.10%
domain sigma	3.73	27.74%

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

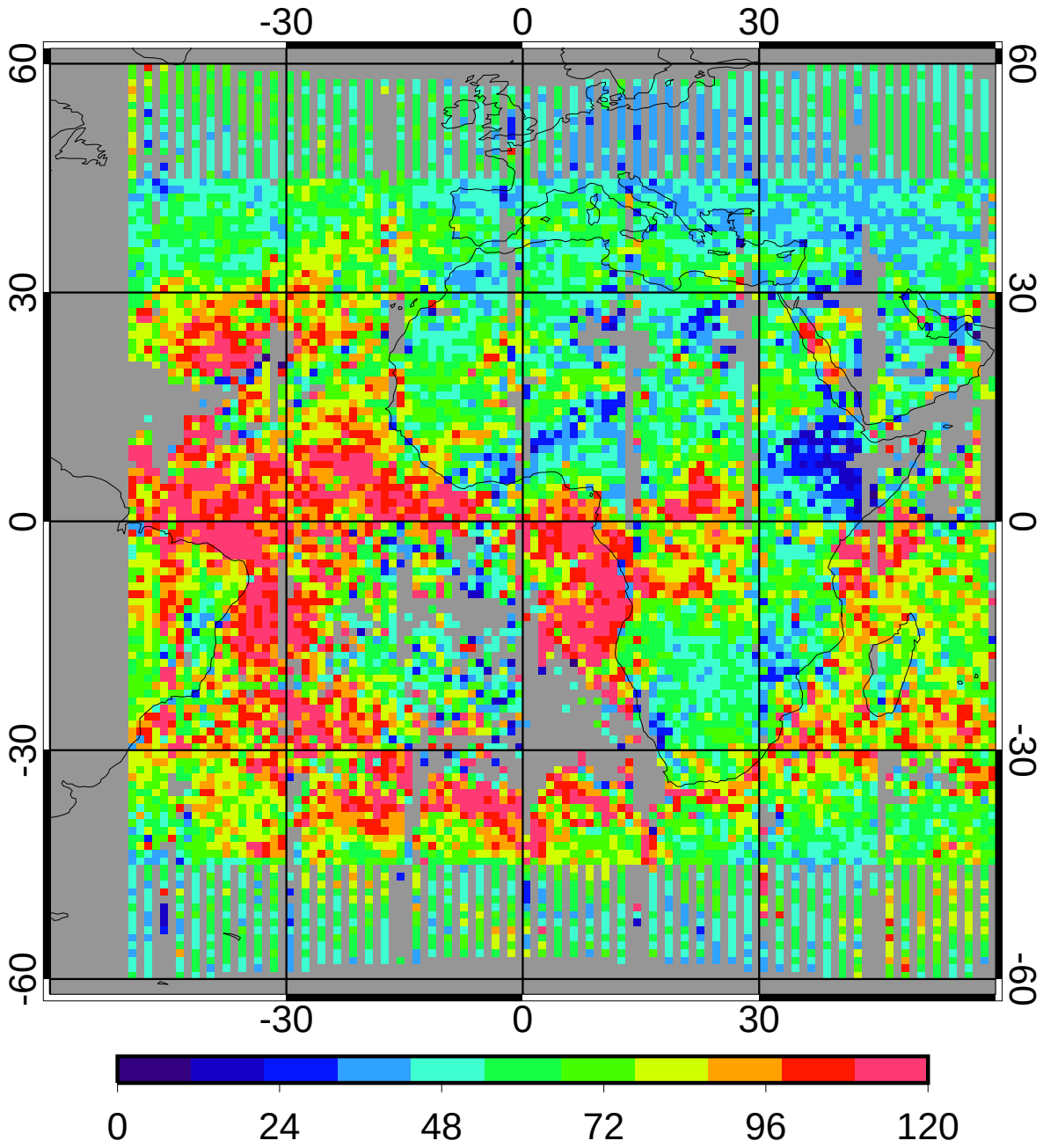
5ch Jan 2010 (lapse rate)



regave rms	6.07	45.20%
domain rms	6.33	47.10%

GGEO MEAN Nighttime Ice Particle Size (microns)

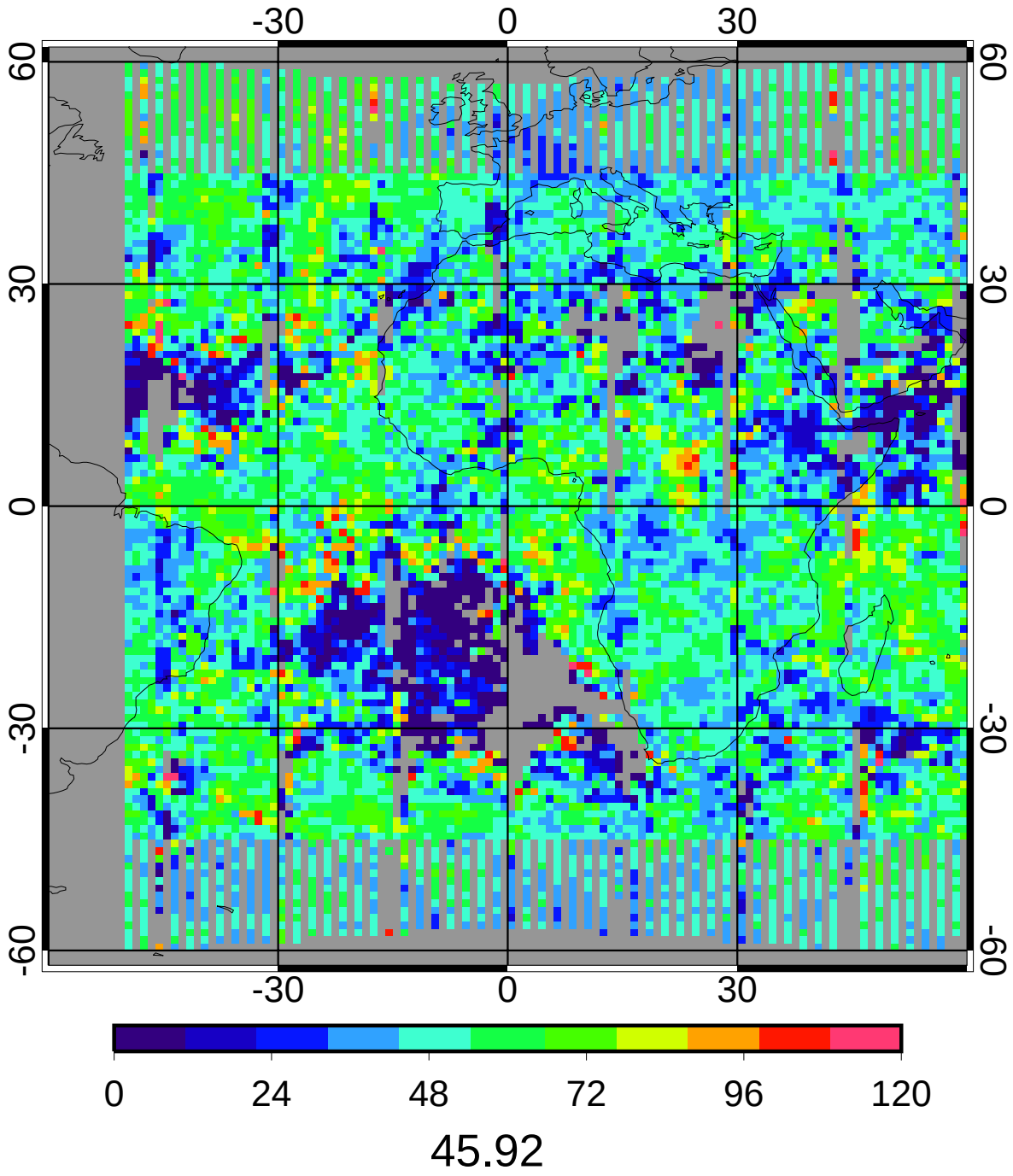
5ch Jan 2010 (lapse rate)



64.38

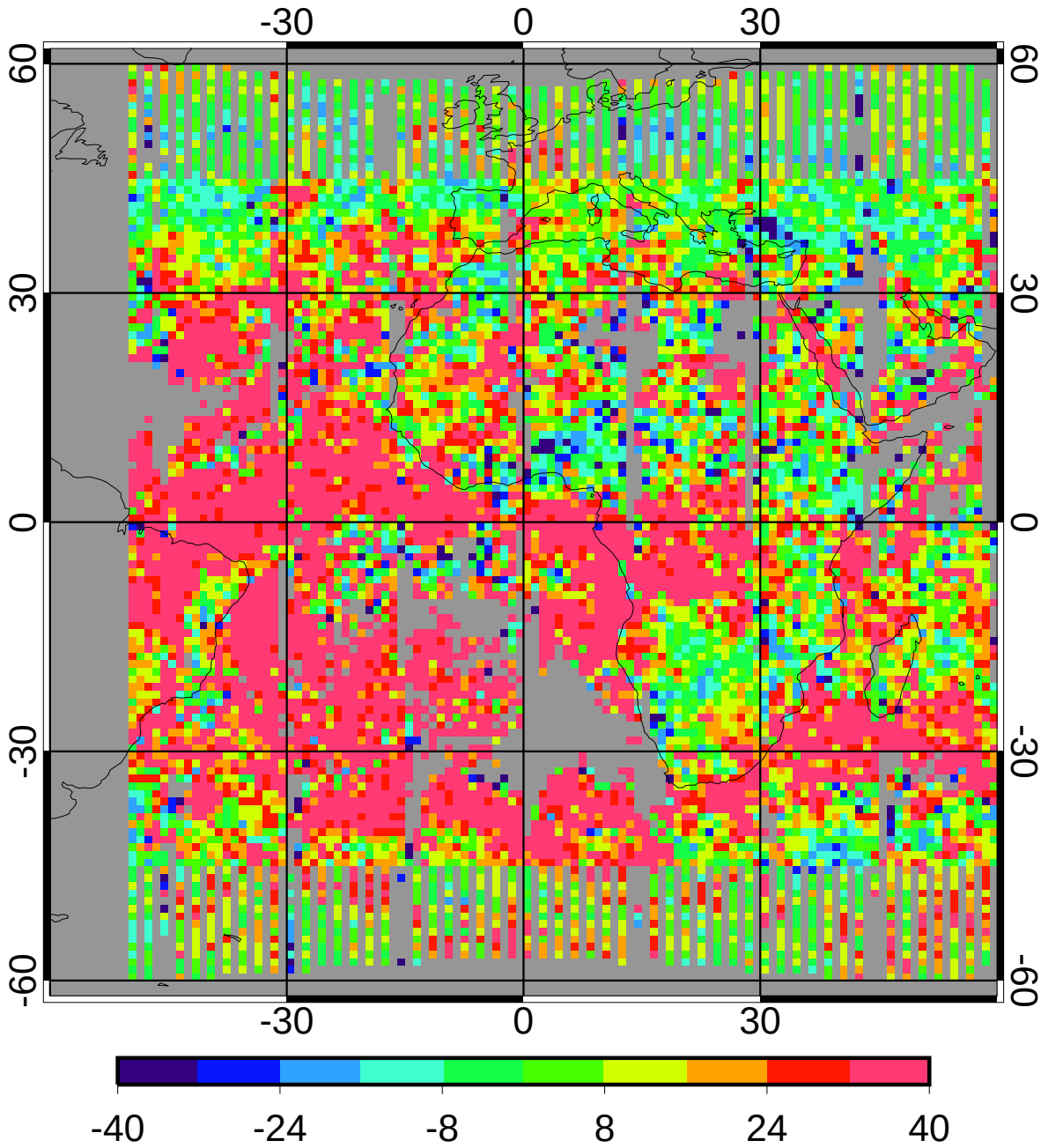
CERES/Aqua MEAN Nighttime Ice Particle Size (microns)

5ch Jan 2010 (lapse rate)



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

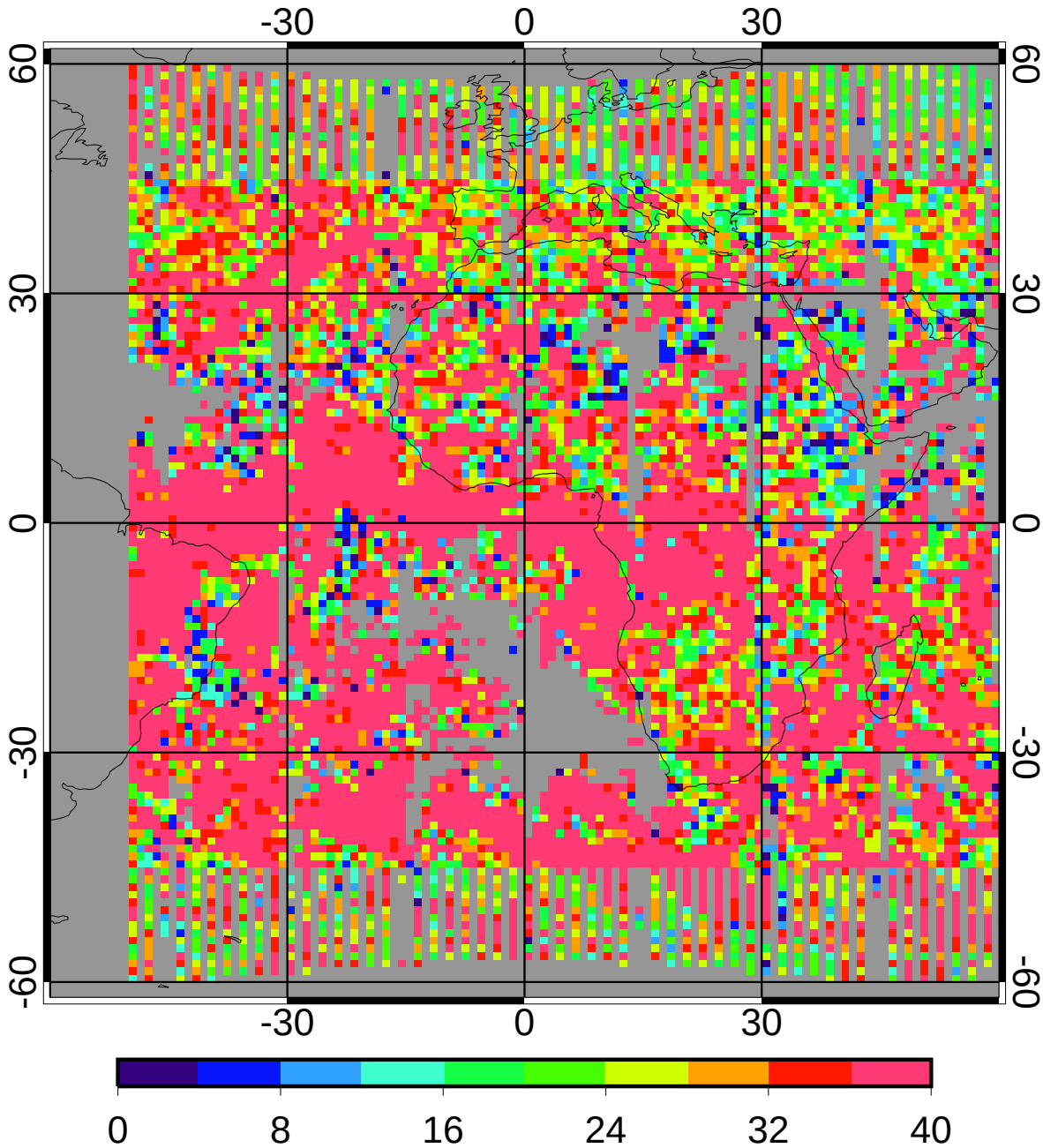
5ch Jan 2010 (lapse rate)



bias	19.24	41.90%
domain sigma	25.18	54.84%

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

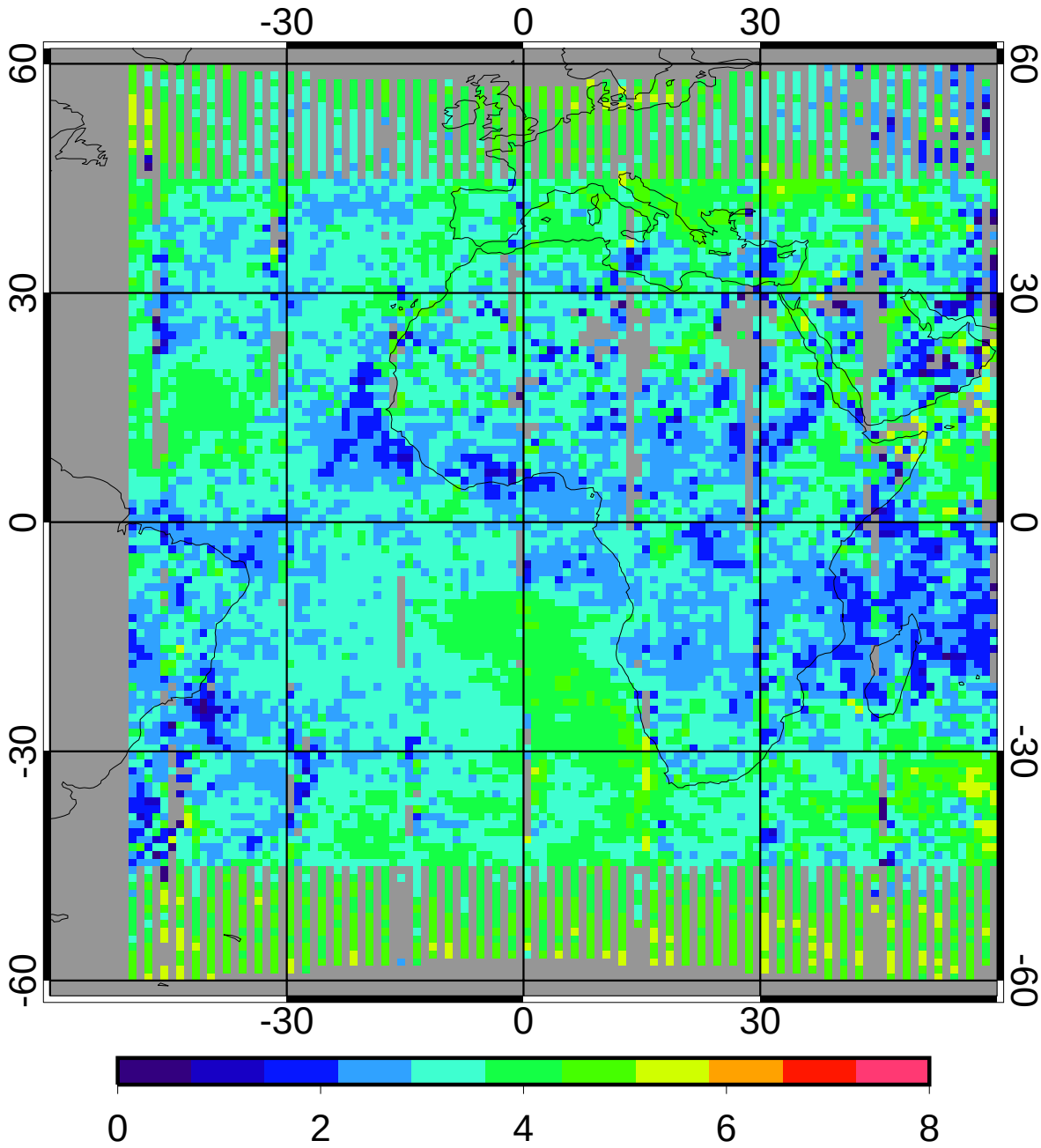
5ch Jan 2010 (lapse rate)



regave rms	33.94	73.91%
domain rms	37.36	81.37%

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

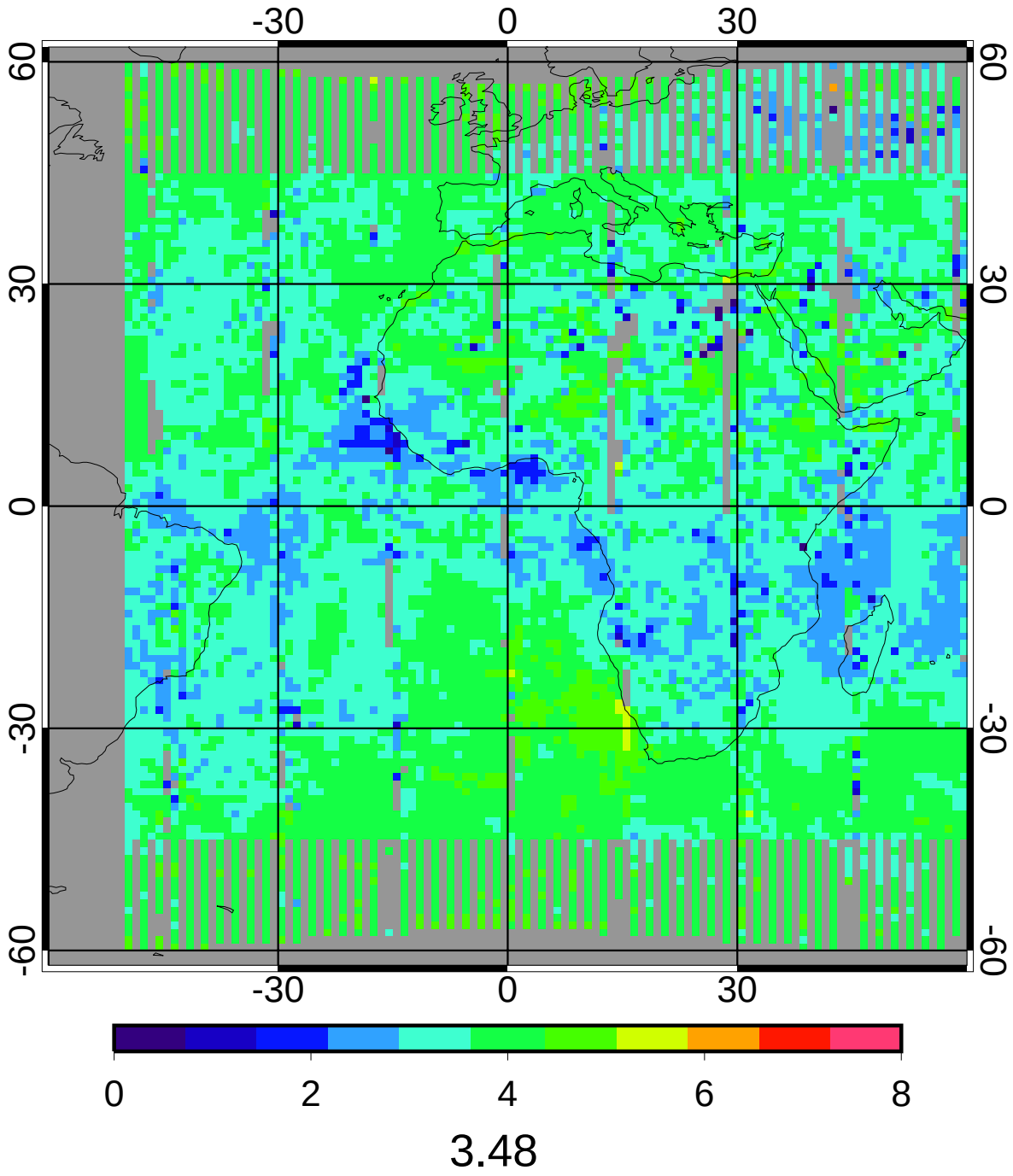
5ch Jan 2010 (lapse rate)



3.16

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

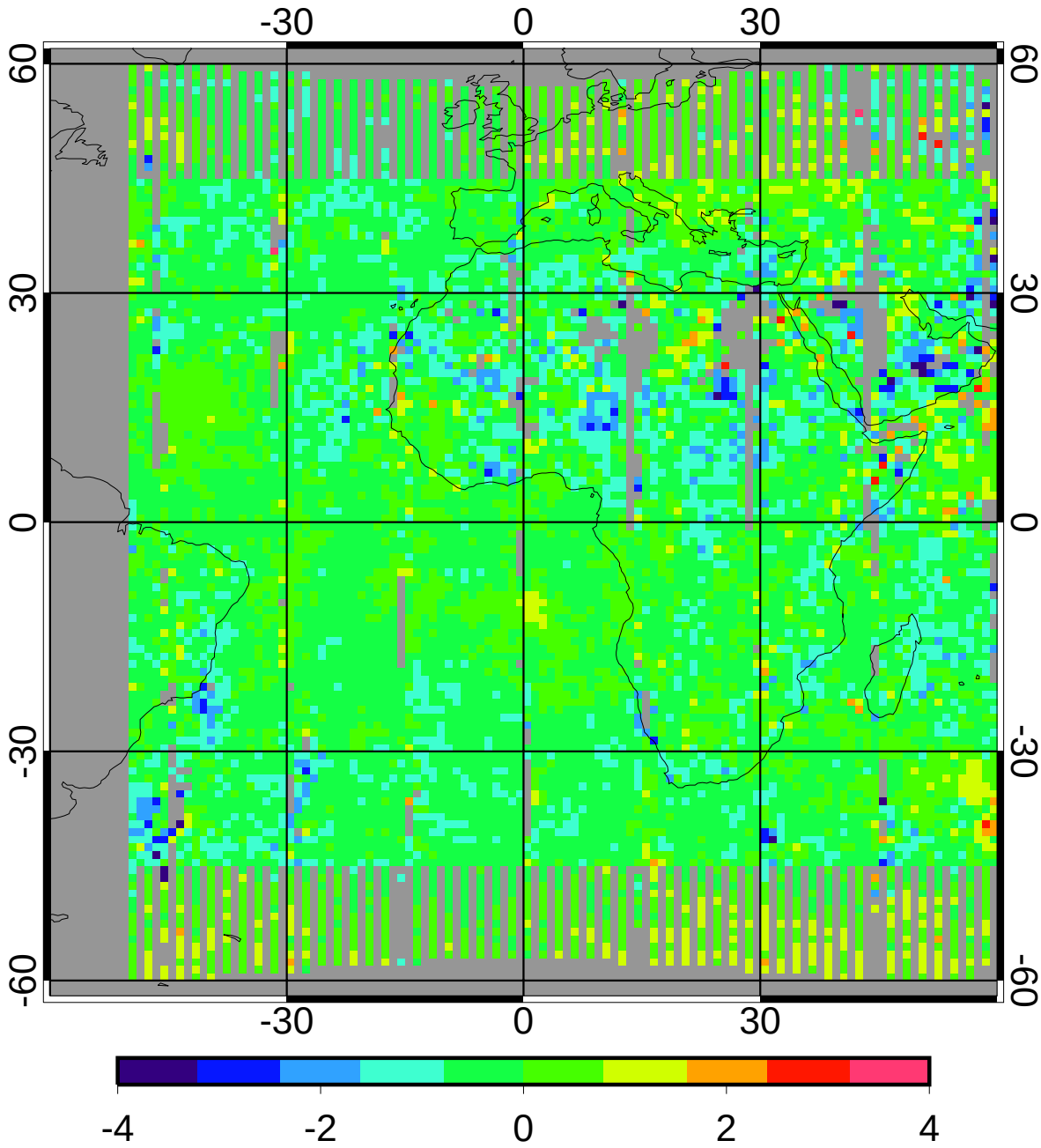
5ch Jan 2010 (lapse rate)



3.48

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

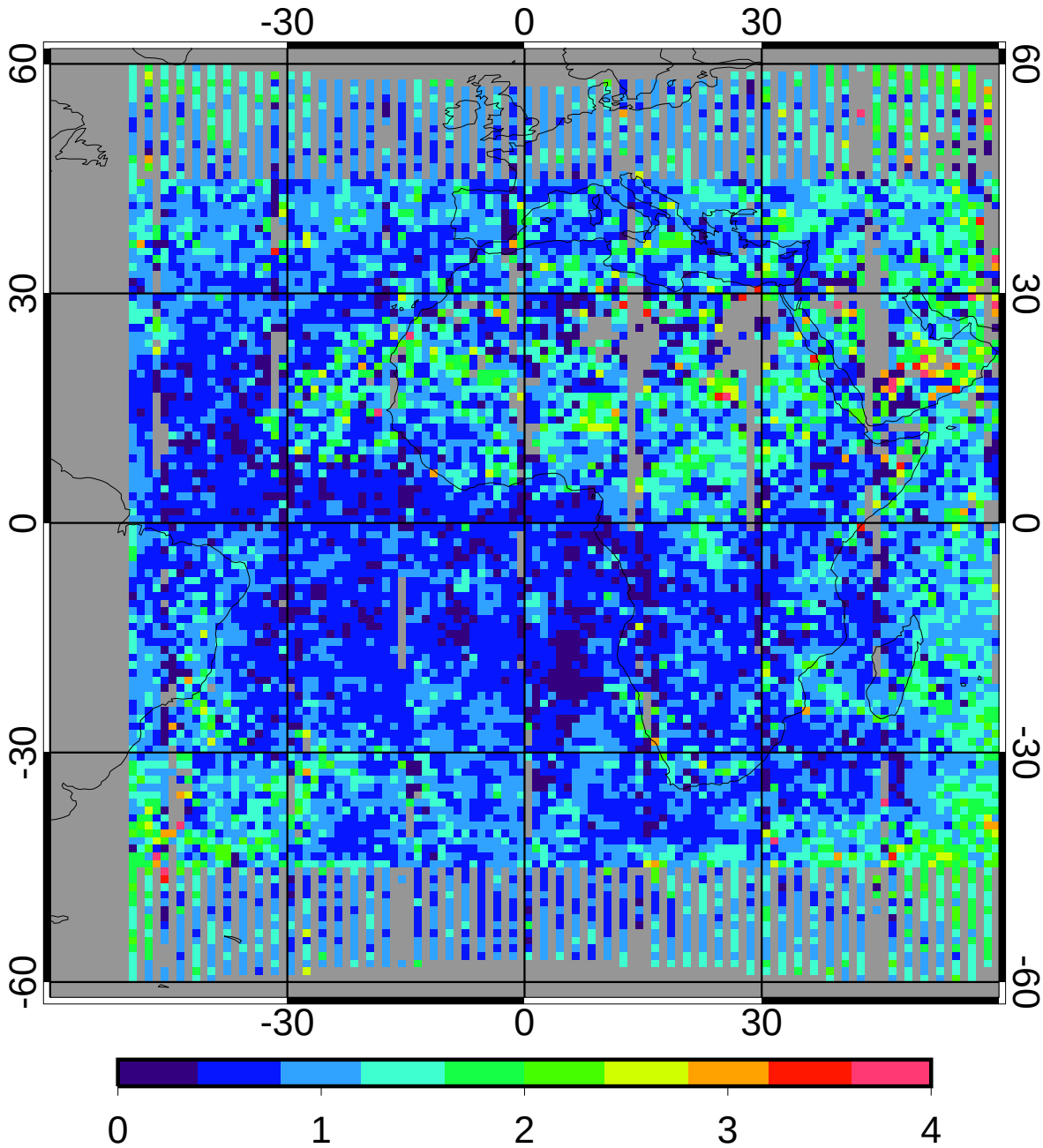
5ch Jan 2010 (lapse rate)



bias	-0.27	-7.66%
domain sigma	0.59	16.87%

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

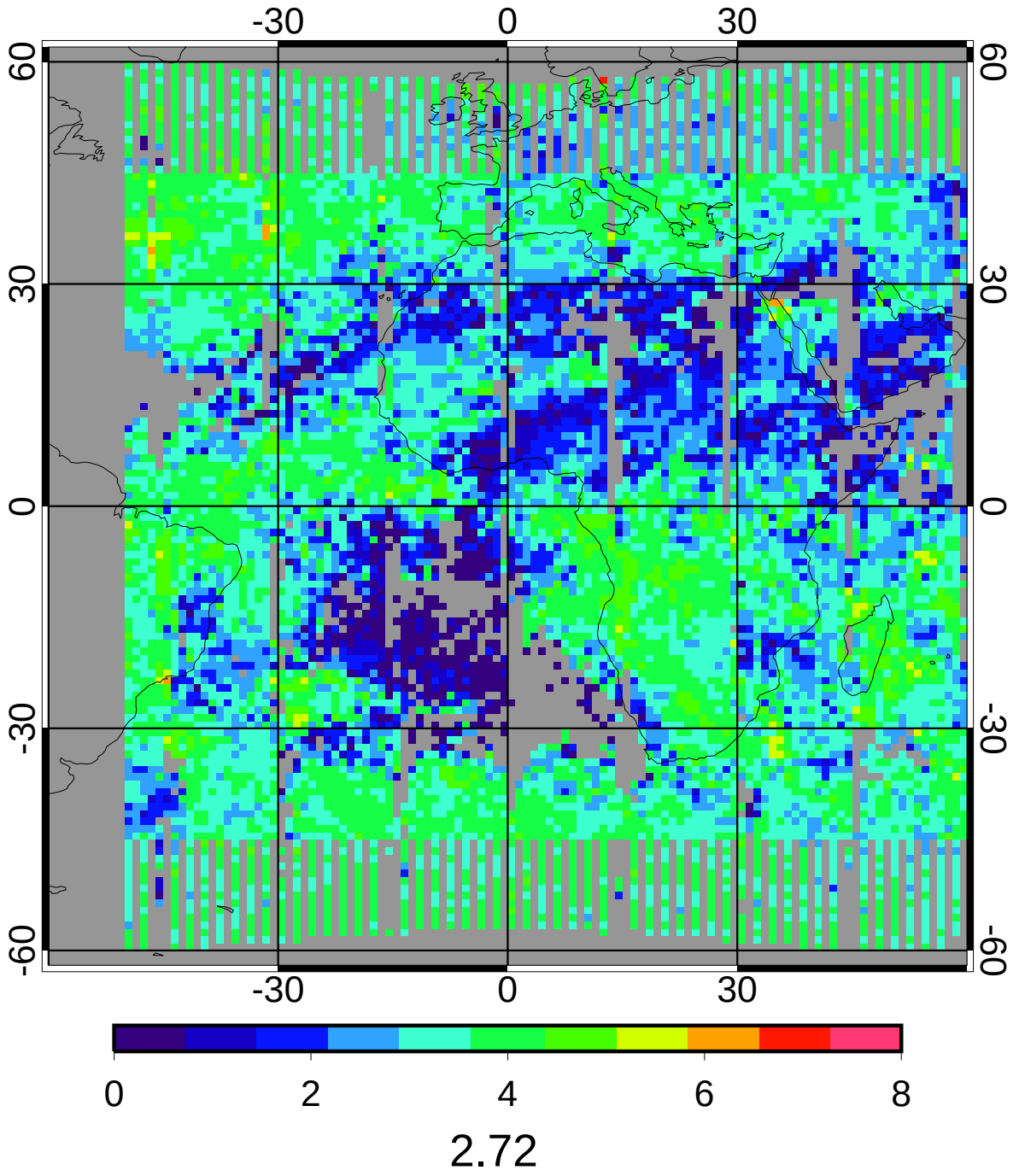
5ch Jan 2010 (lapse rate)



regave rms	0.92	26.42%
domain rms	0.95	27.31%

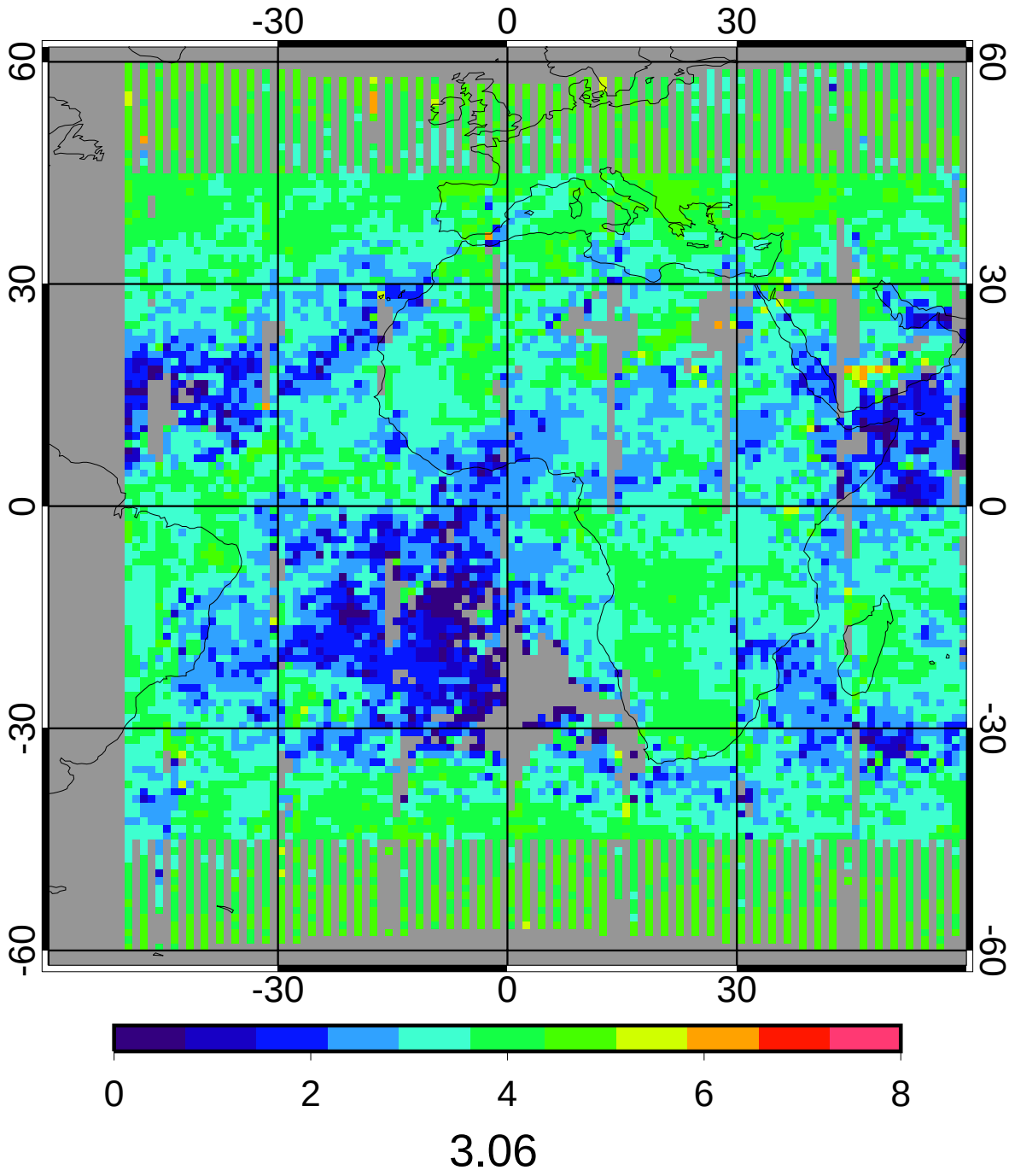
GGEO MEAN Nighttime Log Ice Water Path (g/m2)

5ch Jan 2010 (lapse rate)



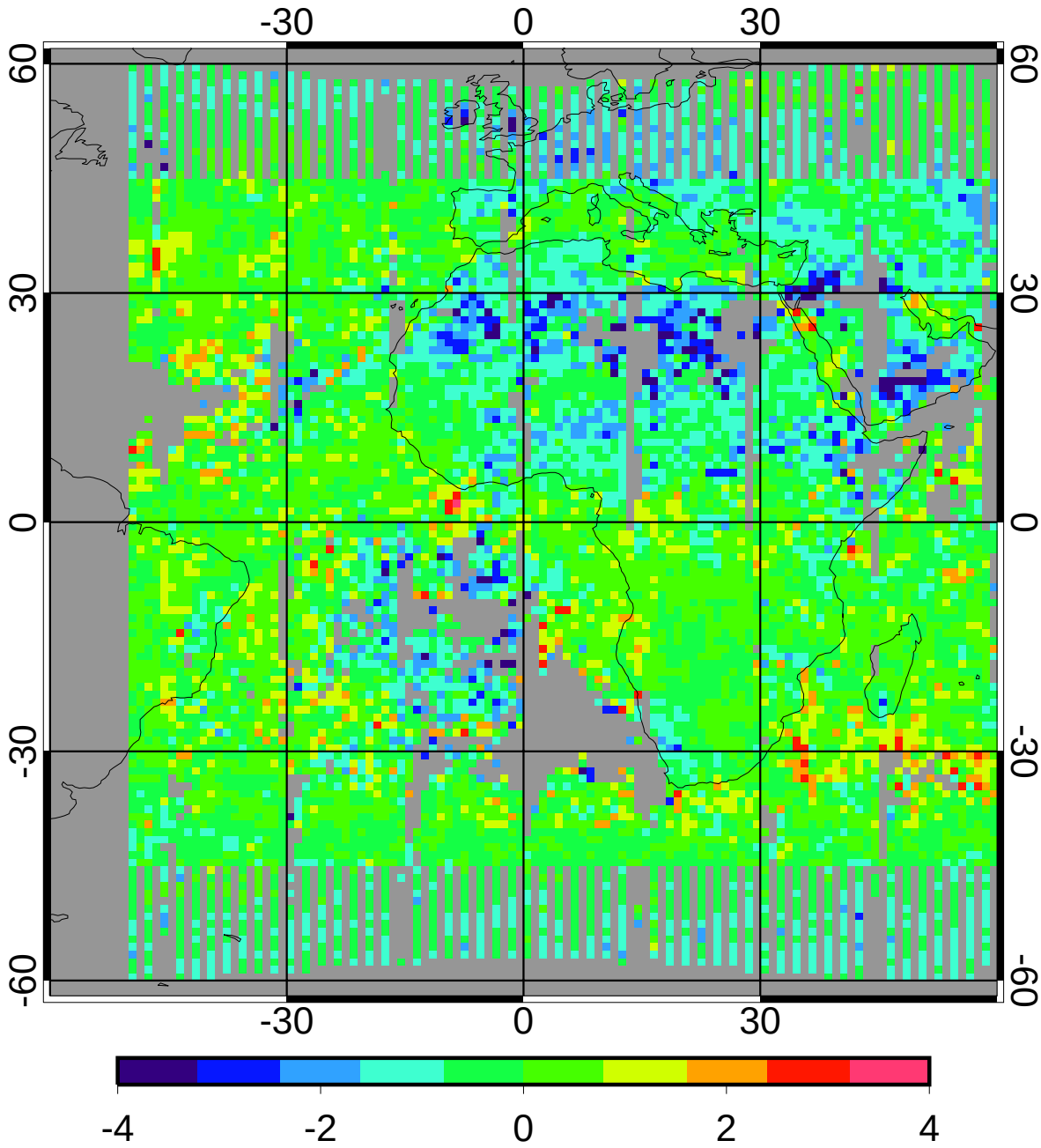
CERES/Aqua MEAN Nighttime Log Ice Water Path (g/m2)

5ch Jan 2010 (lapse rate)



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

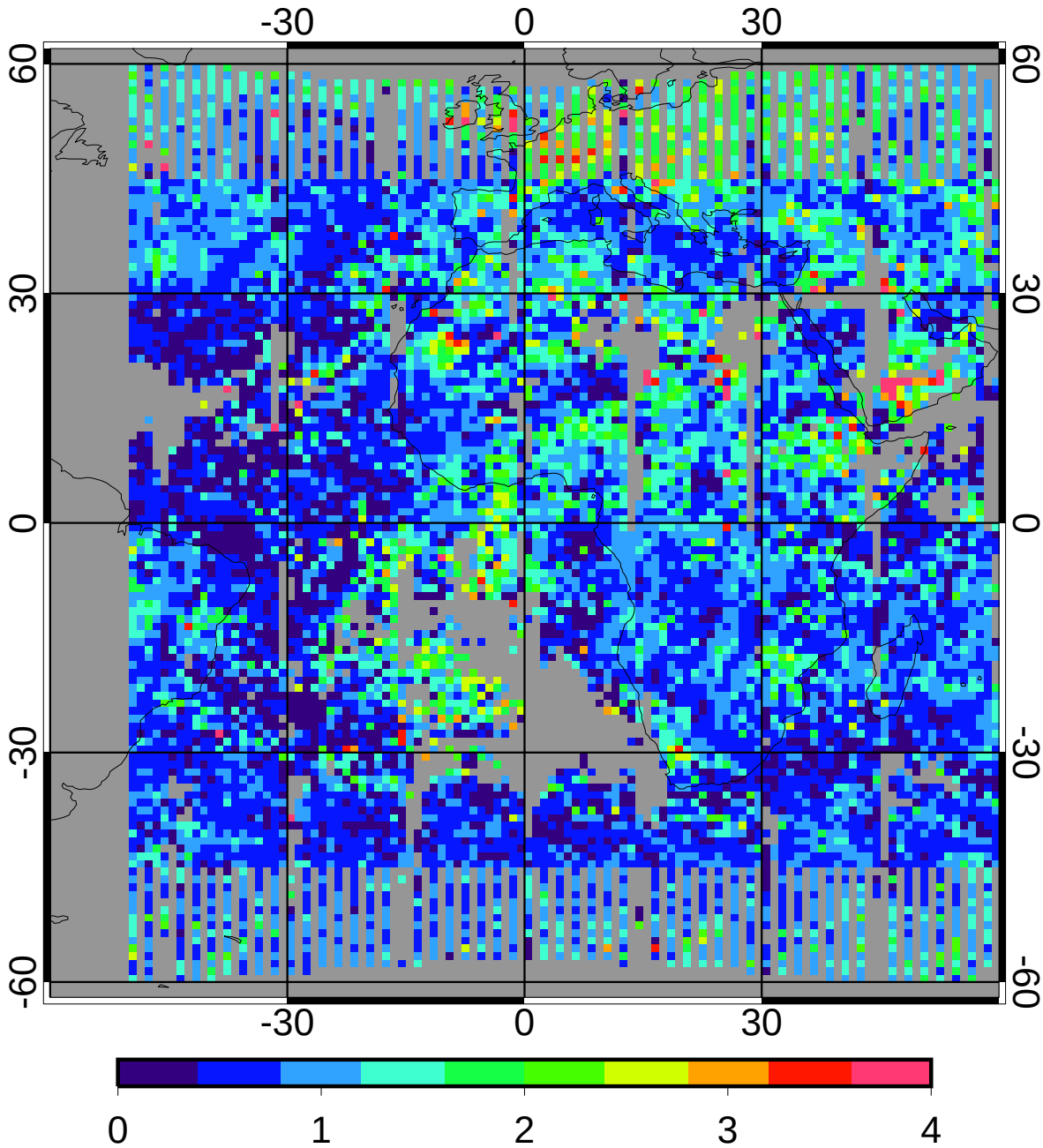
5ch Jan 2010 (lapse rate)



bias	-0.25	-8.07%
domain sigma	0.83	27.04%

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

5ch Jan 2010 (lapse rate)



regave rms	0.82	26.78%
domain rms	1.00	32.52%