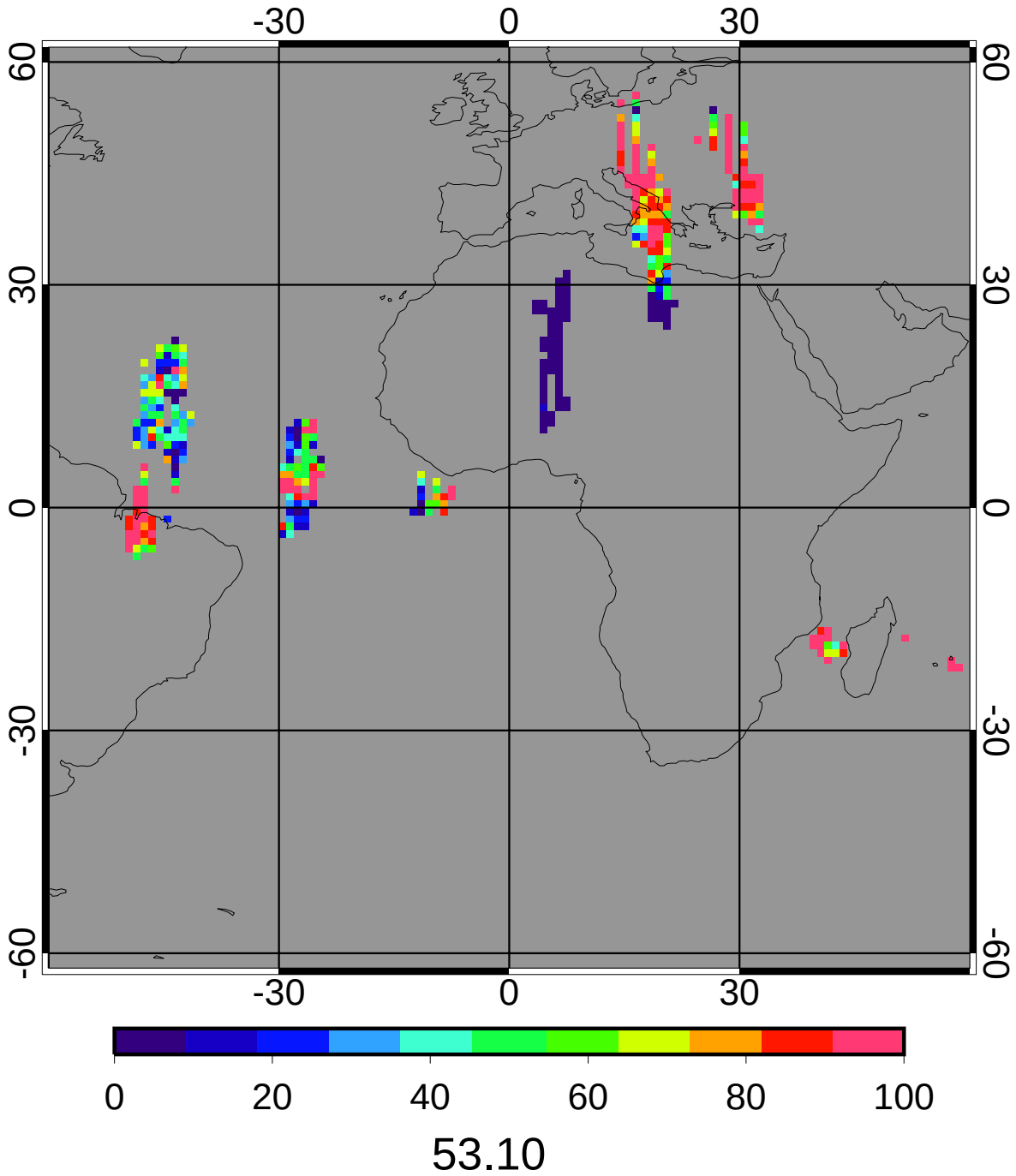
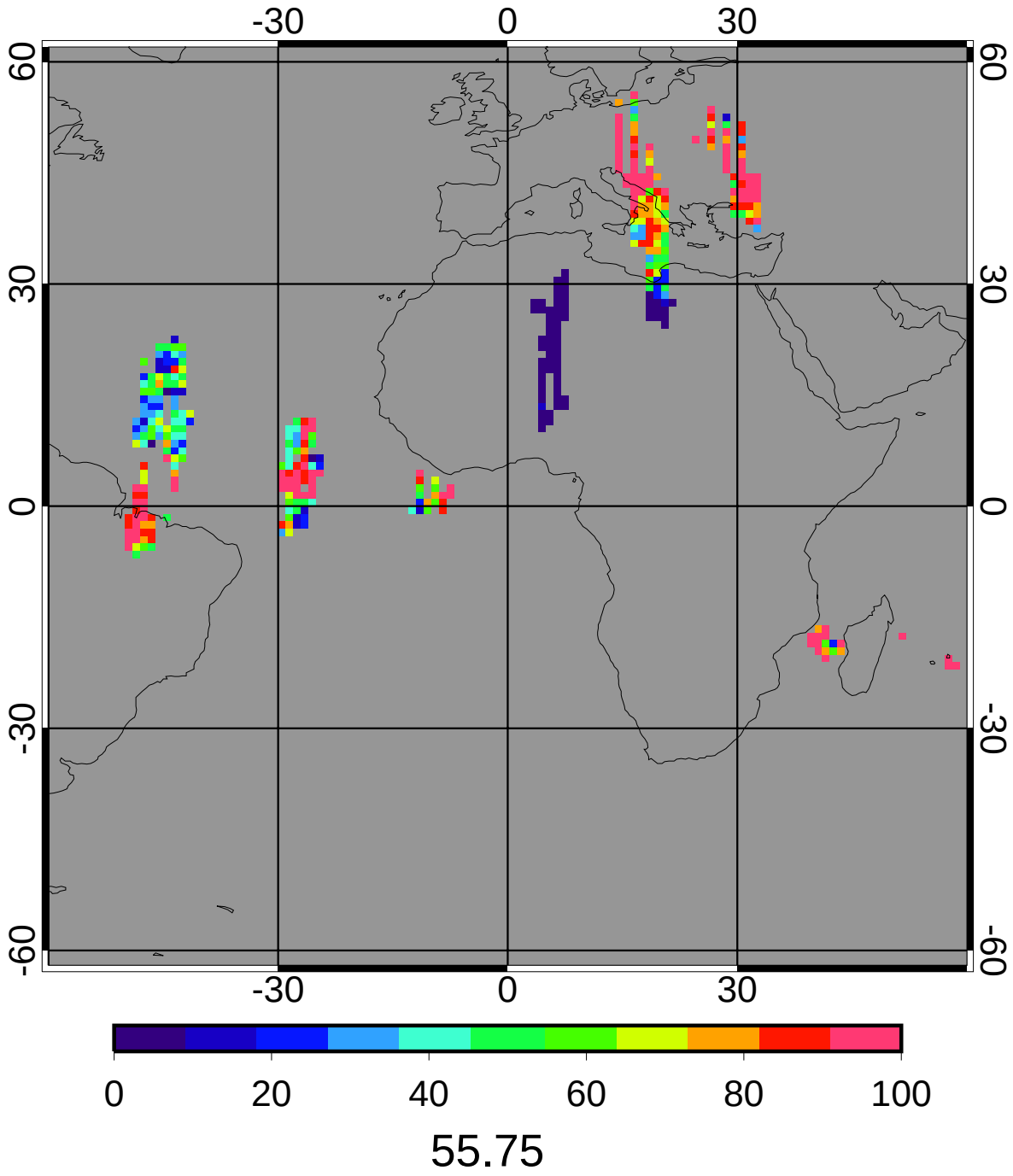
GGEO MEAN Daytime Cloud Amount (%)

5ch Jan 2010 (matched angle) (lapse rate)



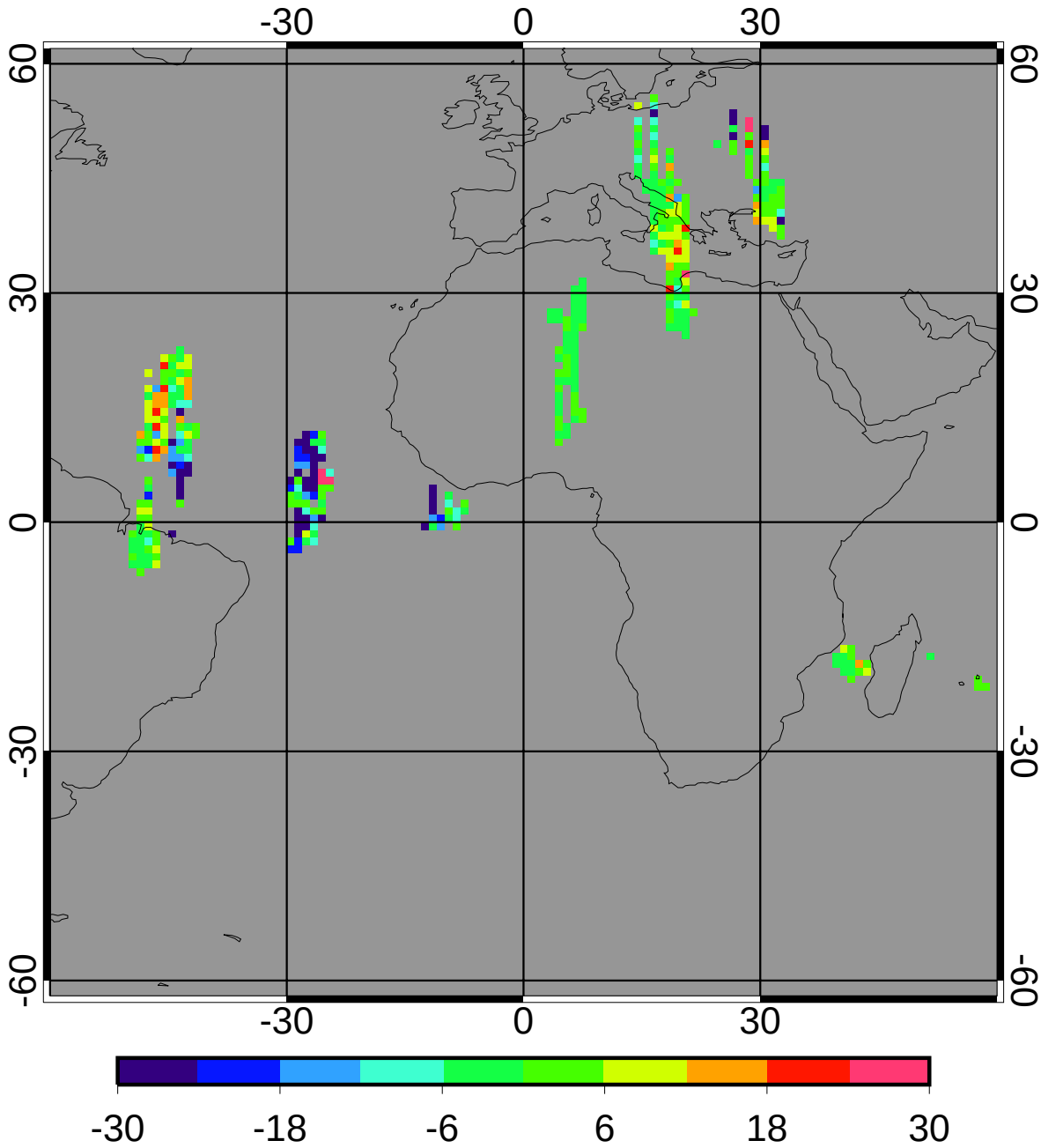
CERES/Terra MEAN Daytime Cloud Amount (%)

5ch Jan 2010 (matched angle) (lapse rate)



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

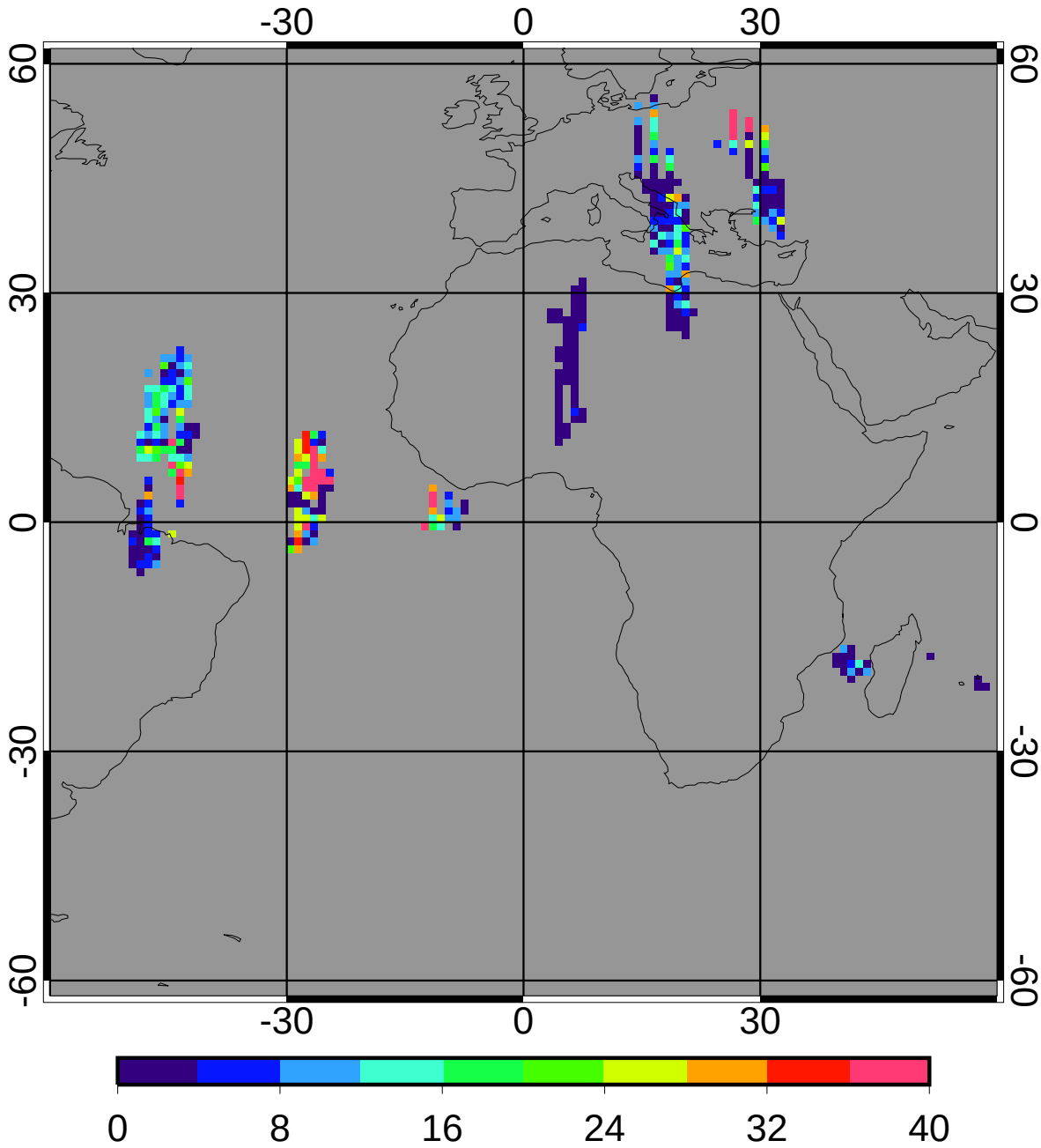
5ch Jan 2010 (matched angle) (lapse rate)



bias	-2.65	-4.76%
domain sigma	13.42	24.08%

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

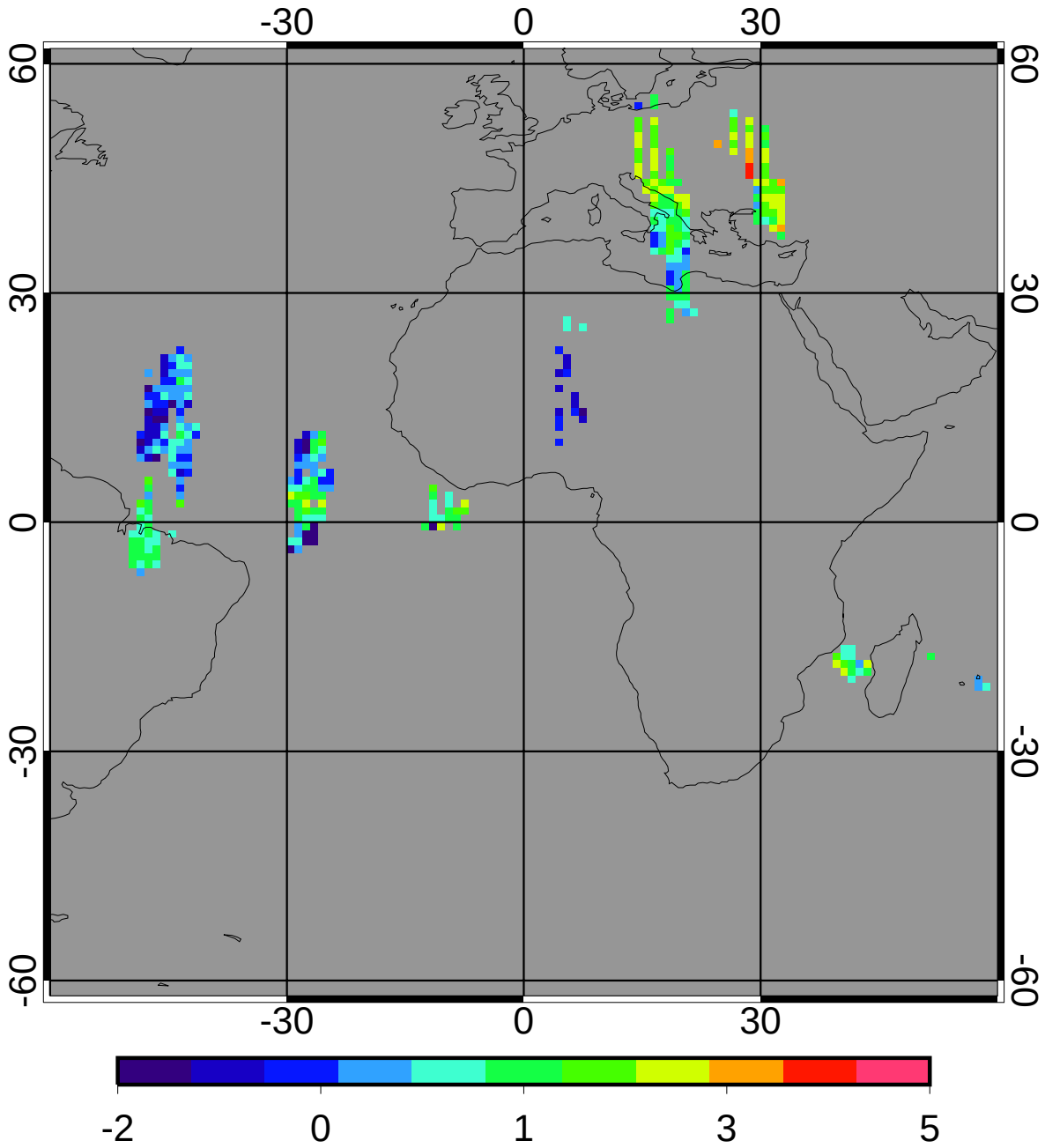
5ch Jan 2010 (matched angle) (lapse rate)



regave rms	11.05	19.82%
domain rms	16.20	29.06%

GGEO MEAN Daytime Log Optical Depth

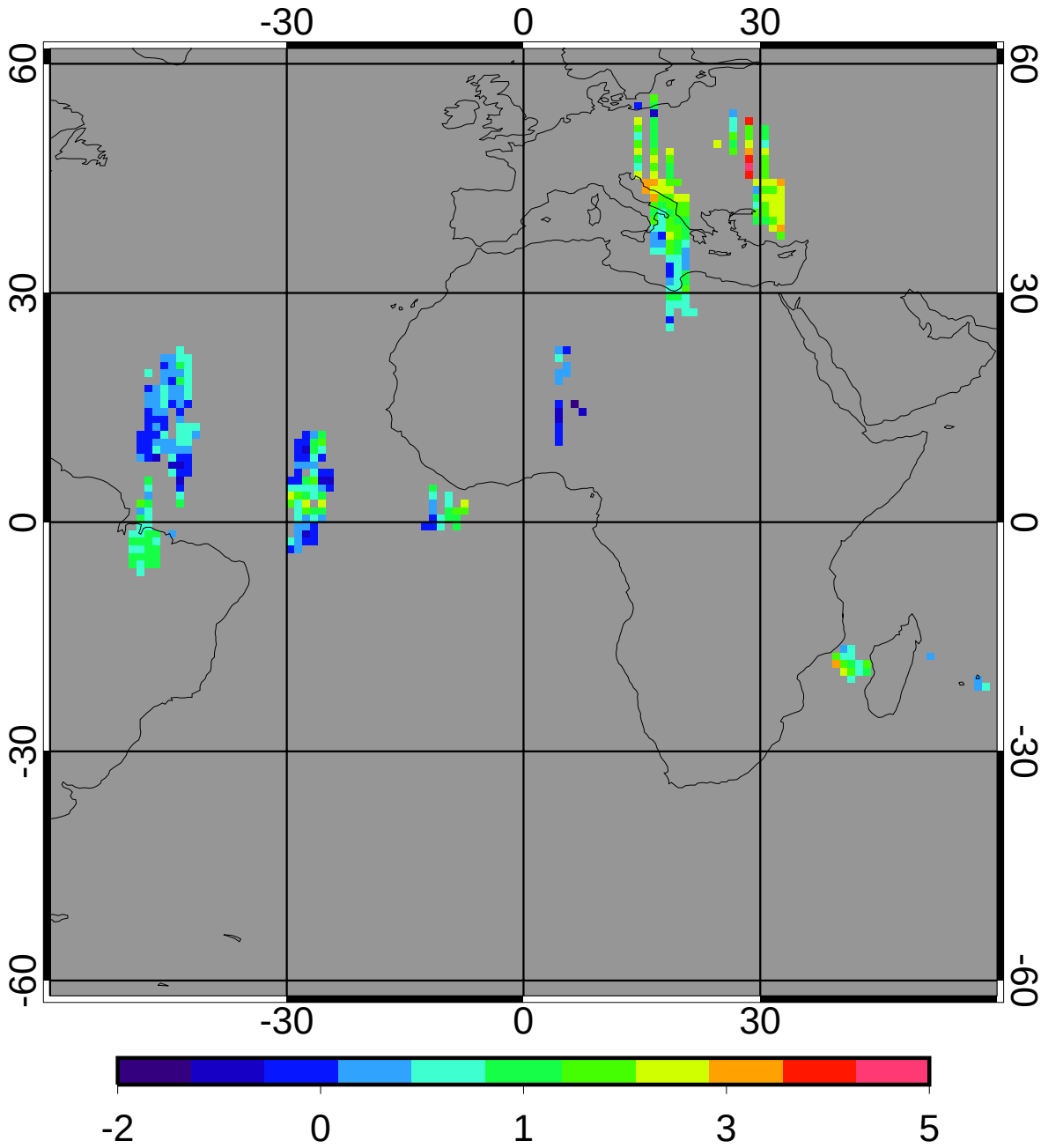
5ch Jan 2010 (matched angle) (lapse rate)



0.74

CERES/Terra MEAN Daytime Log Optical Depth

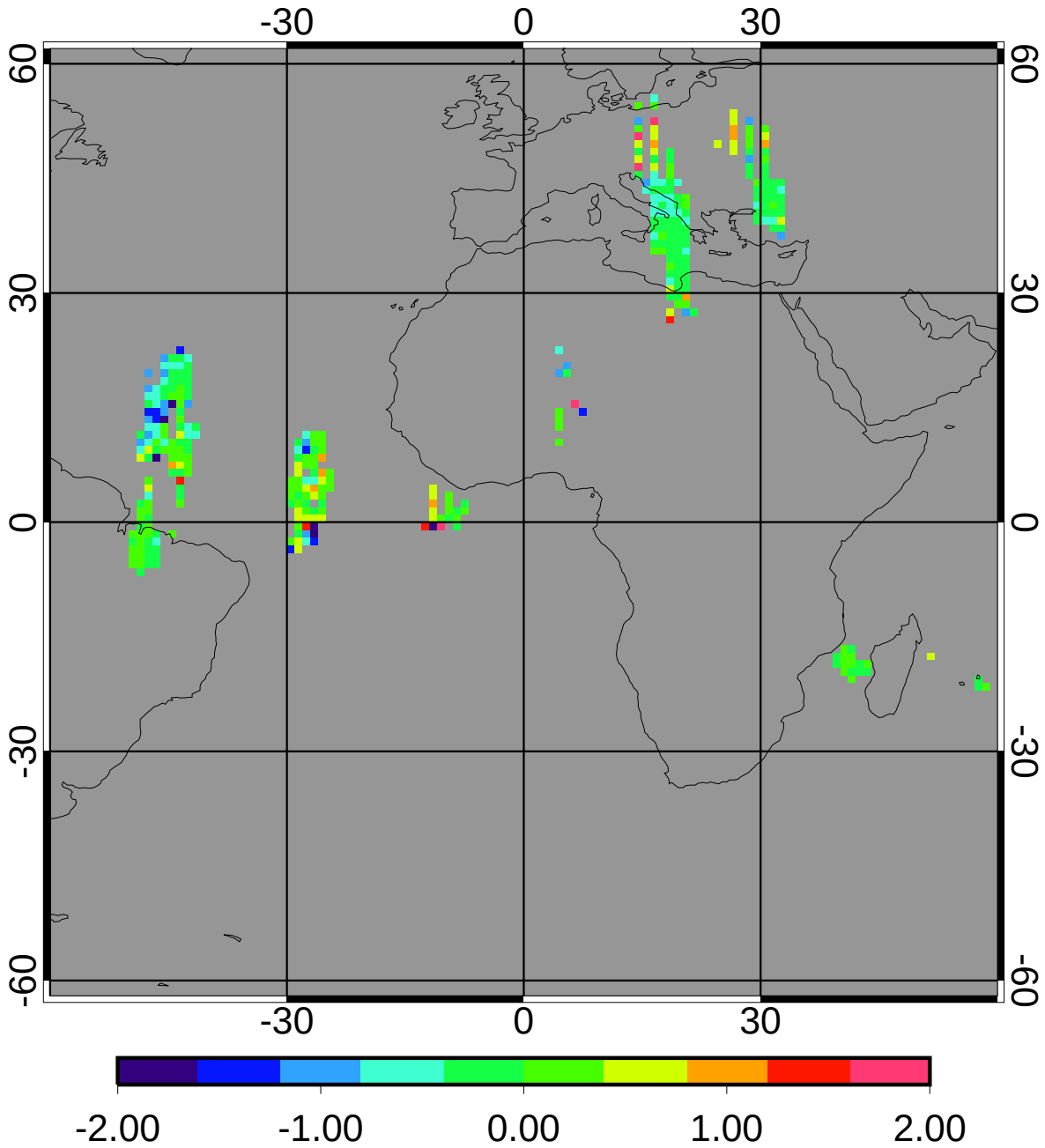
5ch Jan 2010 (matched angle) (lapse rate)



0.83

GGEO - CERES/Terra Daytime Log Optical Depth Bias

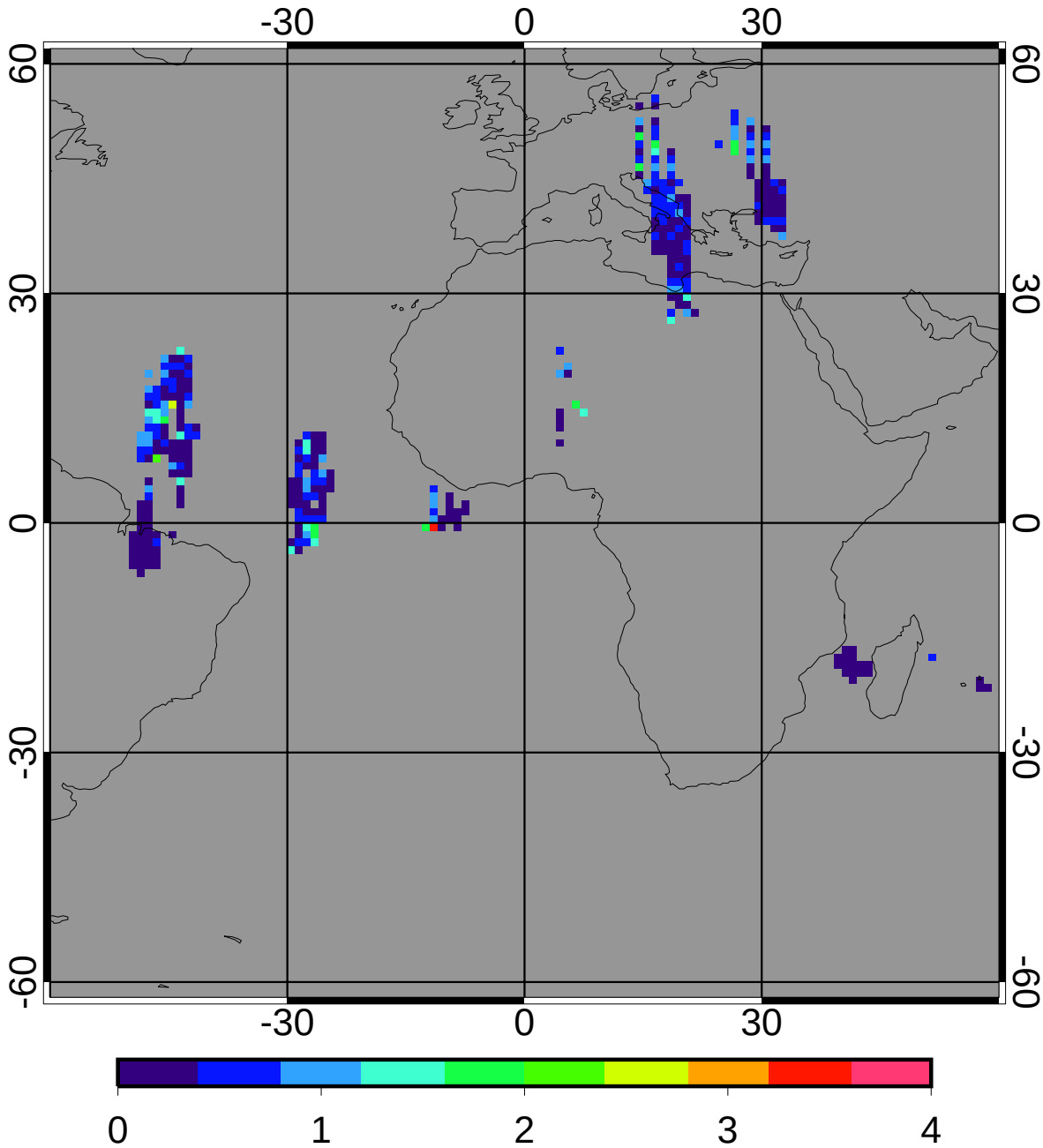
5ch Jan 2010 (matched angle) (lapse rate)



bias	-0.08	-9.54%
domain sigma	0.54	64.95%

GGEO - CERES/Terra Daytime Log Optical Depth RMS

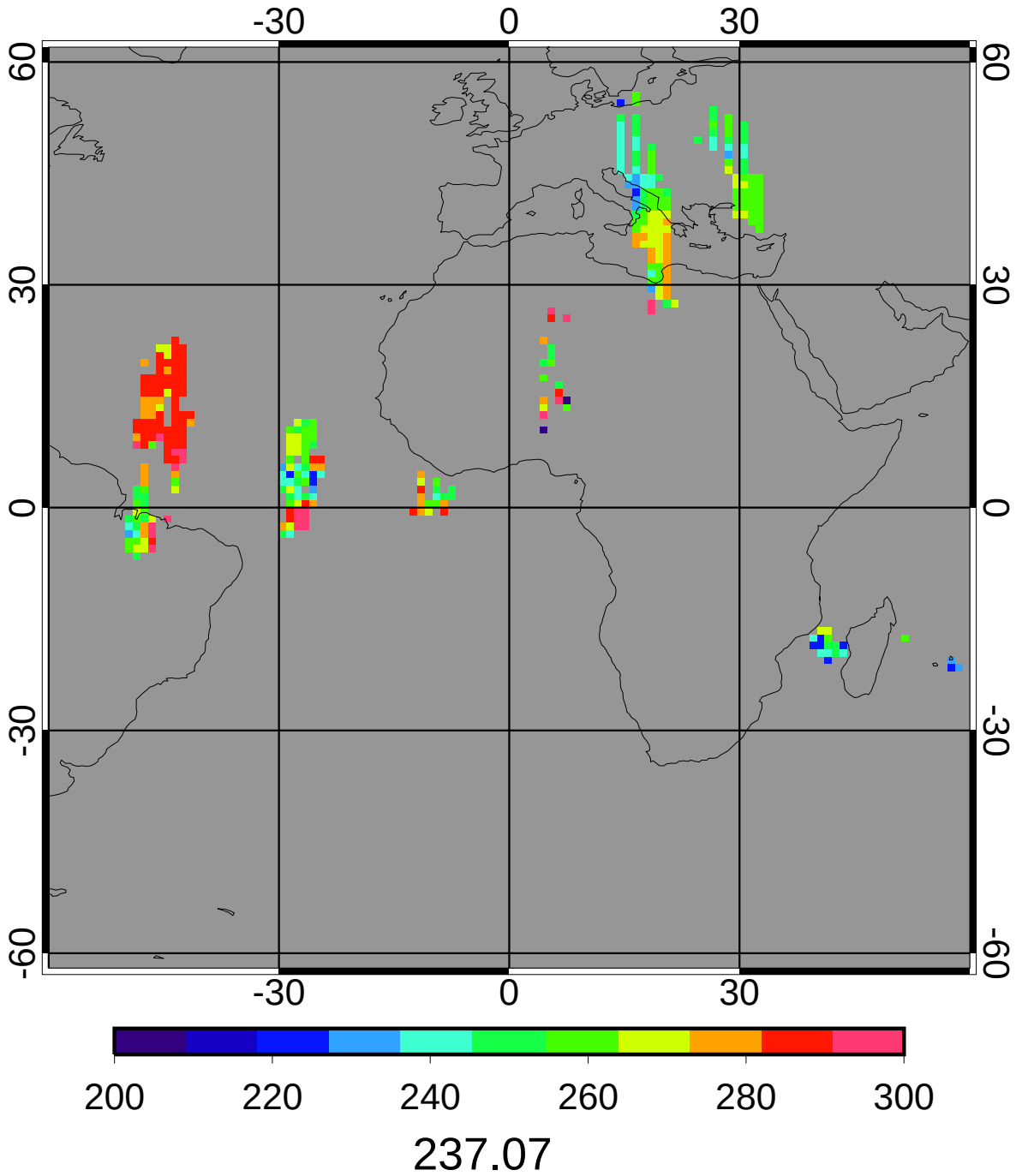
5ch Jan 2010 (matched angle) (lapse rate)



regave rms	0.43	51.45%
domain rms	0.60	72.37%

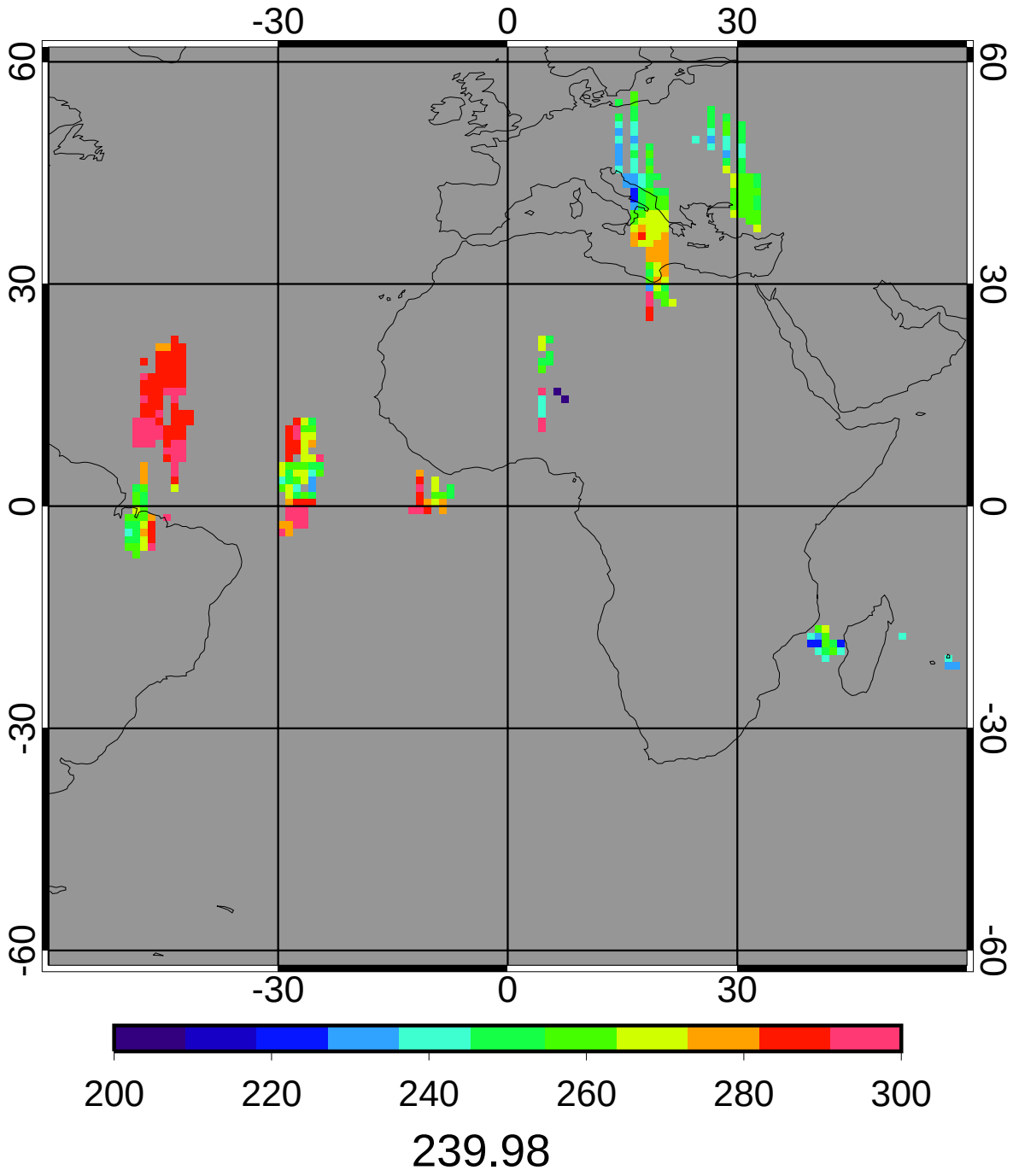
GGEO MEAN Daytime Cloud Temperature (K)

5ch Jan 2010 (matched angle) (lapse rate)



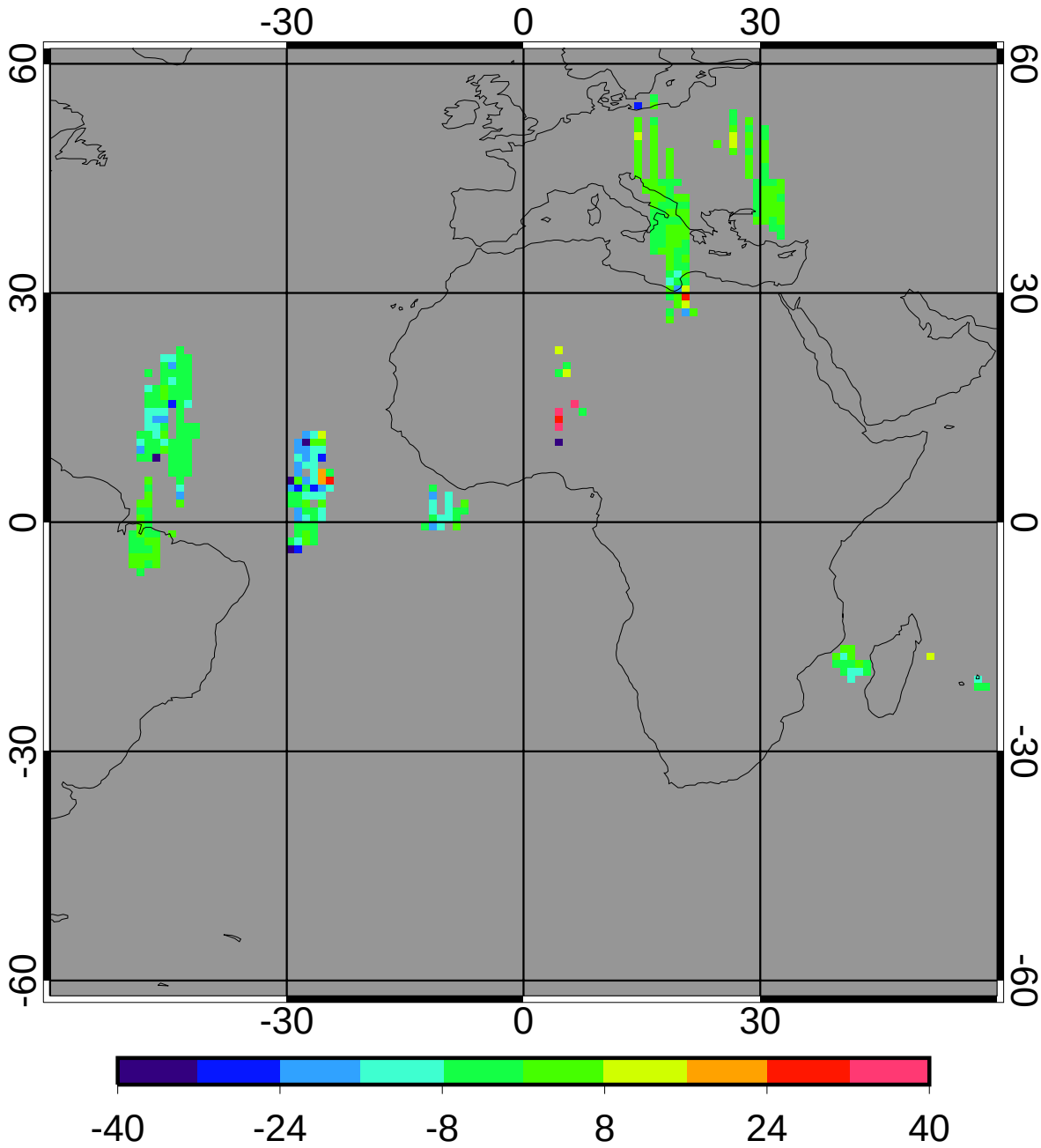
CERES/Terra MEAN Daytime Cloud Temperature (K)

5ch Jan 2010 (matched angle) (lapse rate)



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

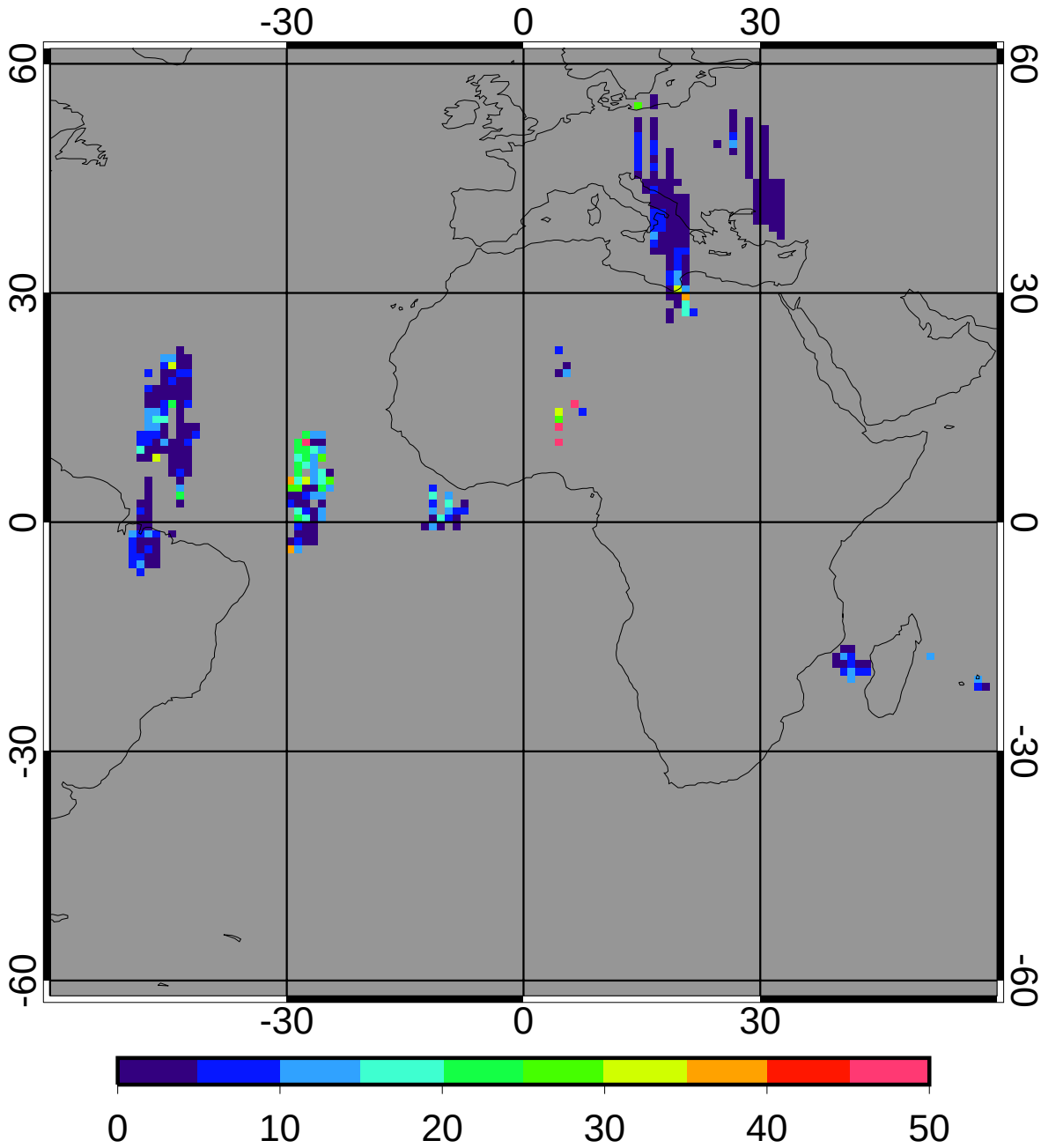
5ch Jan 2010 (matched angle) (lapse rate)



bias	-3.07	-1.28%
domain sigma	11.90	4.96%

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

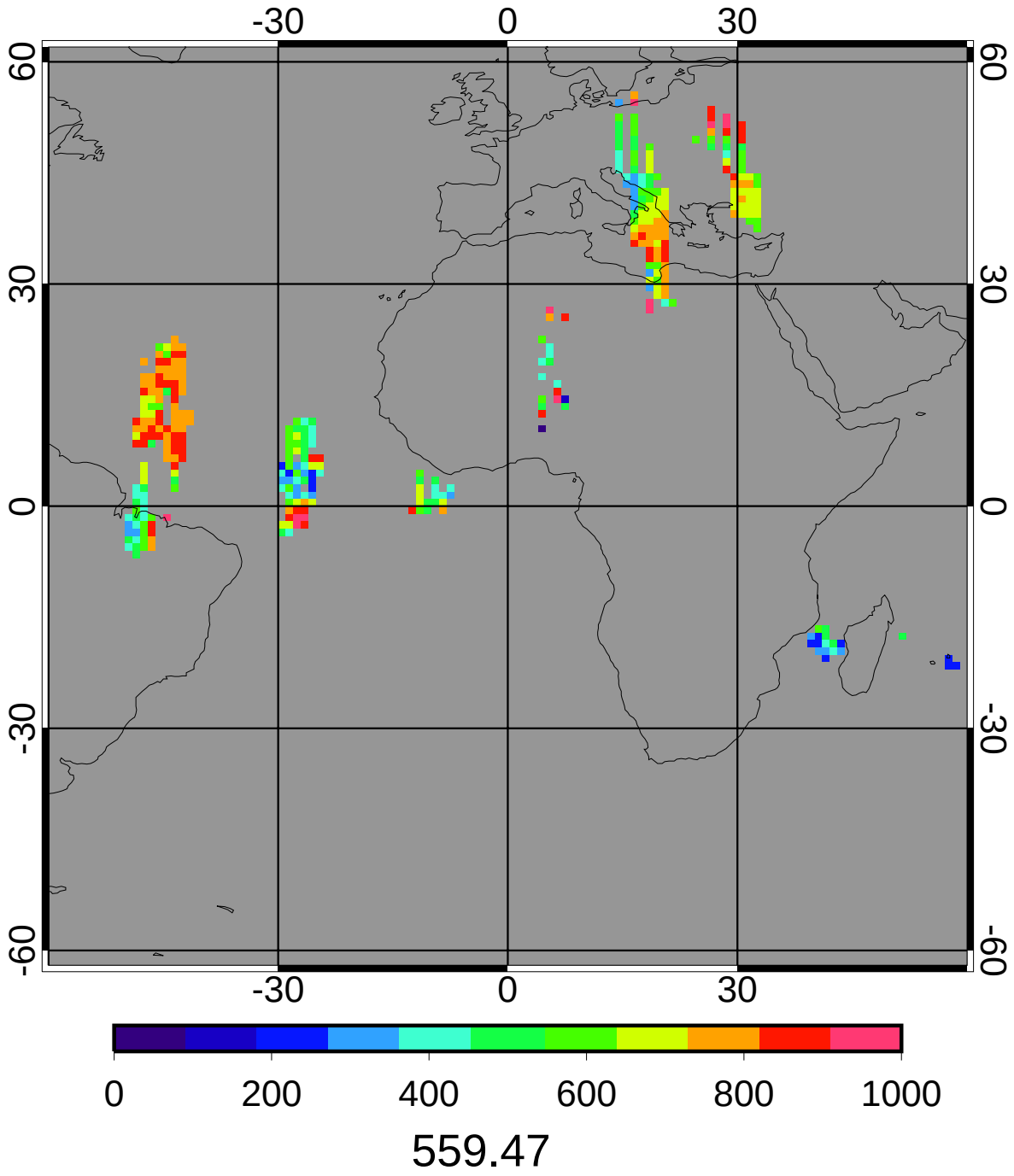
5ch Jan 2010 (matched angle) (lapse rate)



regave rms	6.73	2.80%
domain rms	11.68	4.87%

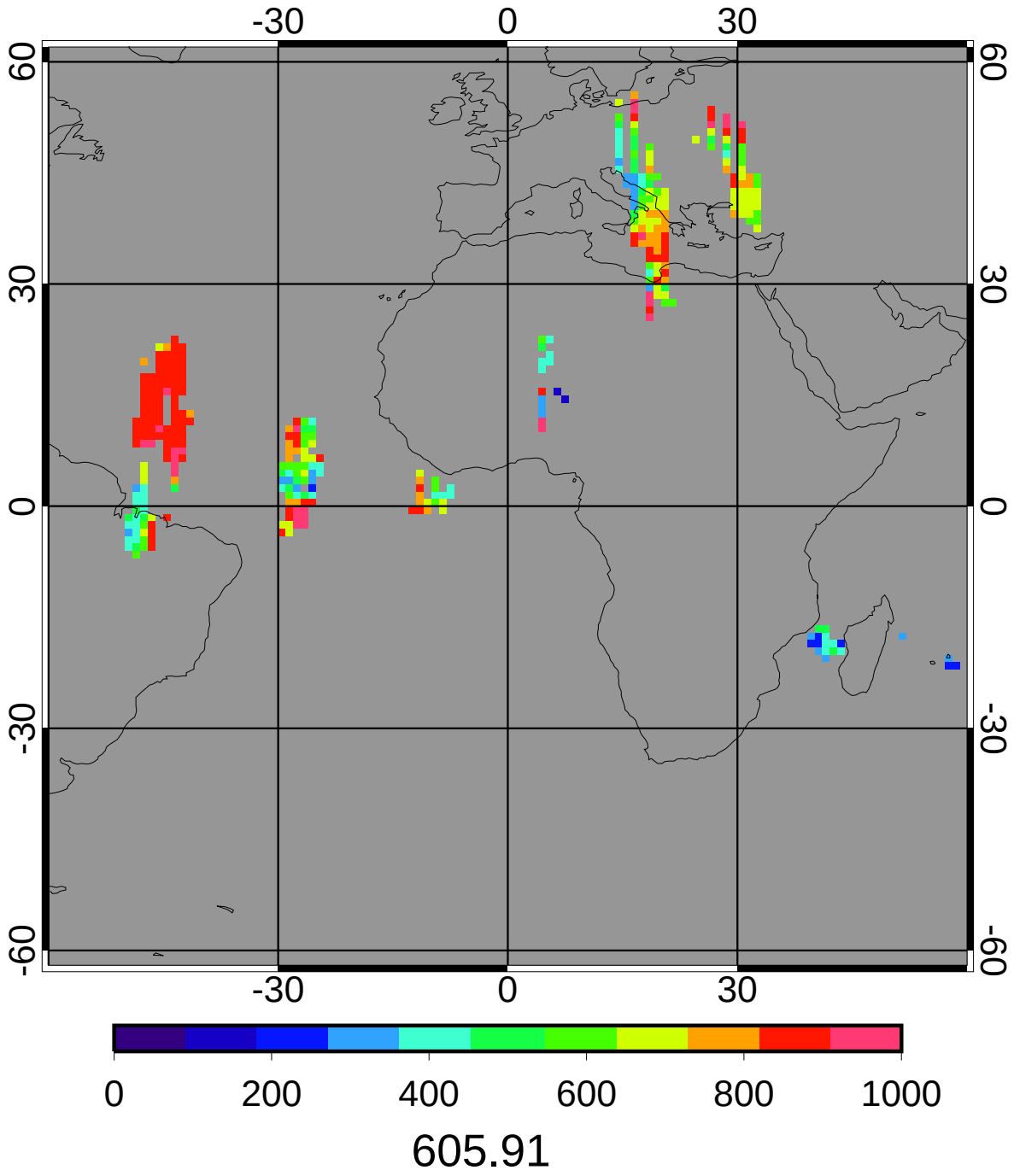
GGEO MEAN Daytime Cloud Eff Pressure (mb)

5ch Jan 2010 (matched angle) (lapse rate)



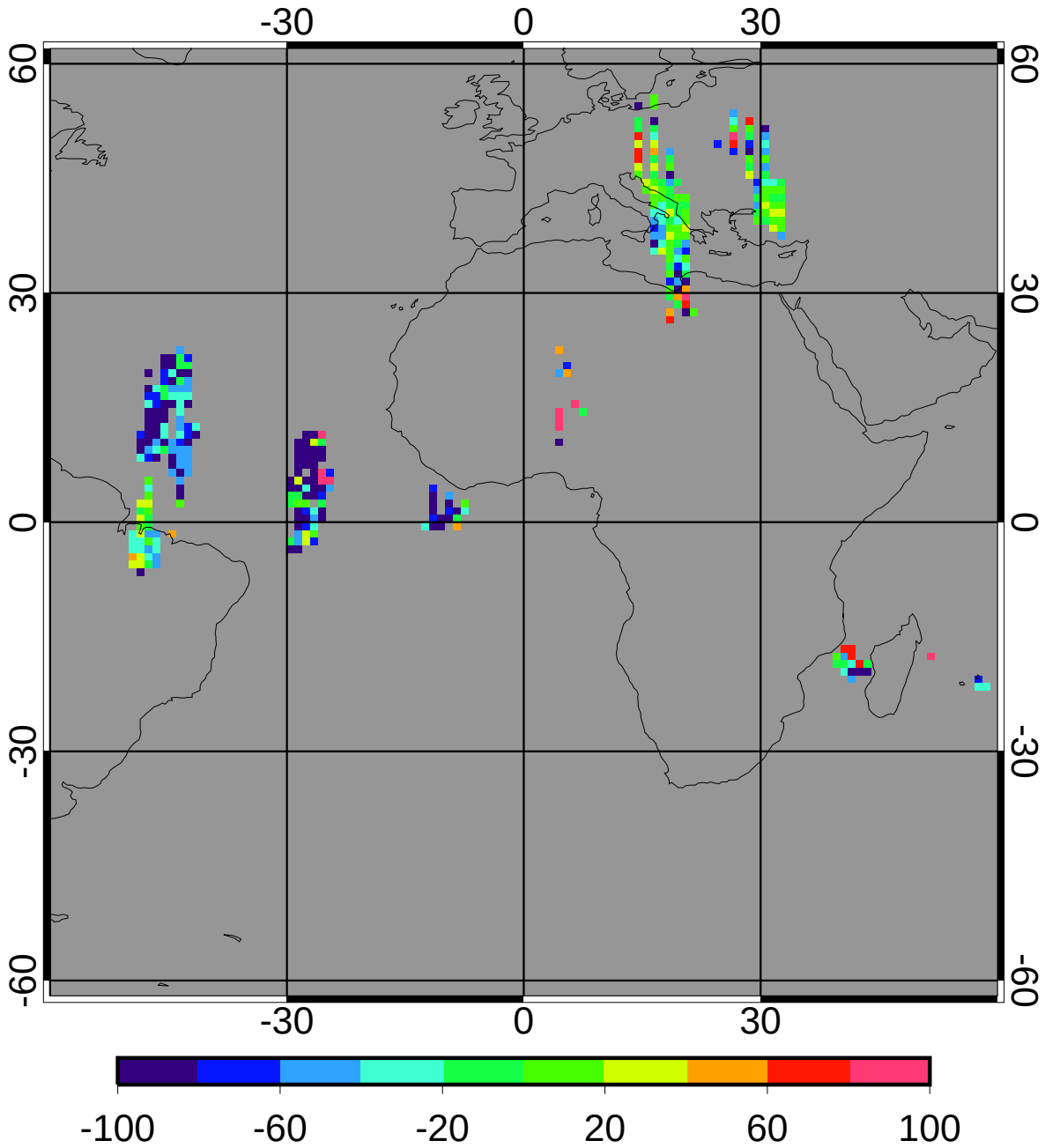
CERES/Terra MEAN Daytime Cloud Eff Pressure (mb)

5ch Jan 2010 (matched angle) (lapse rate)



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

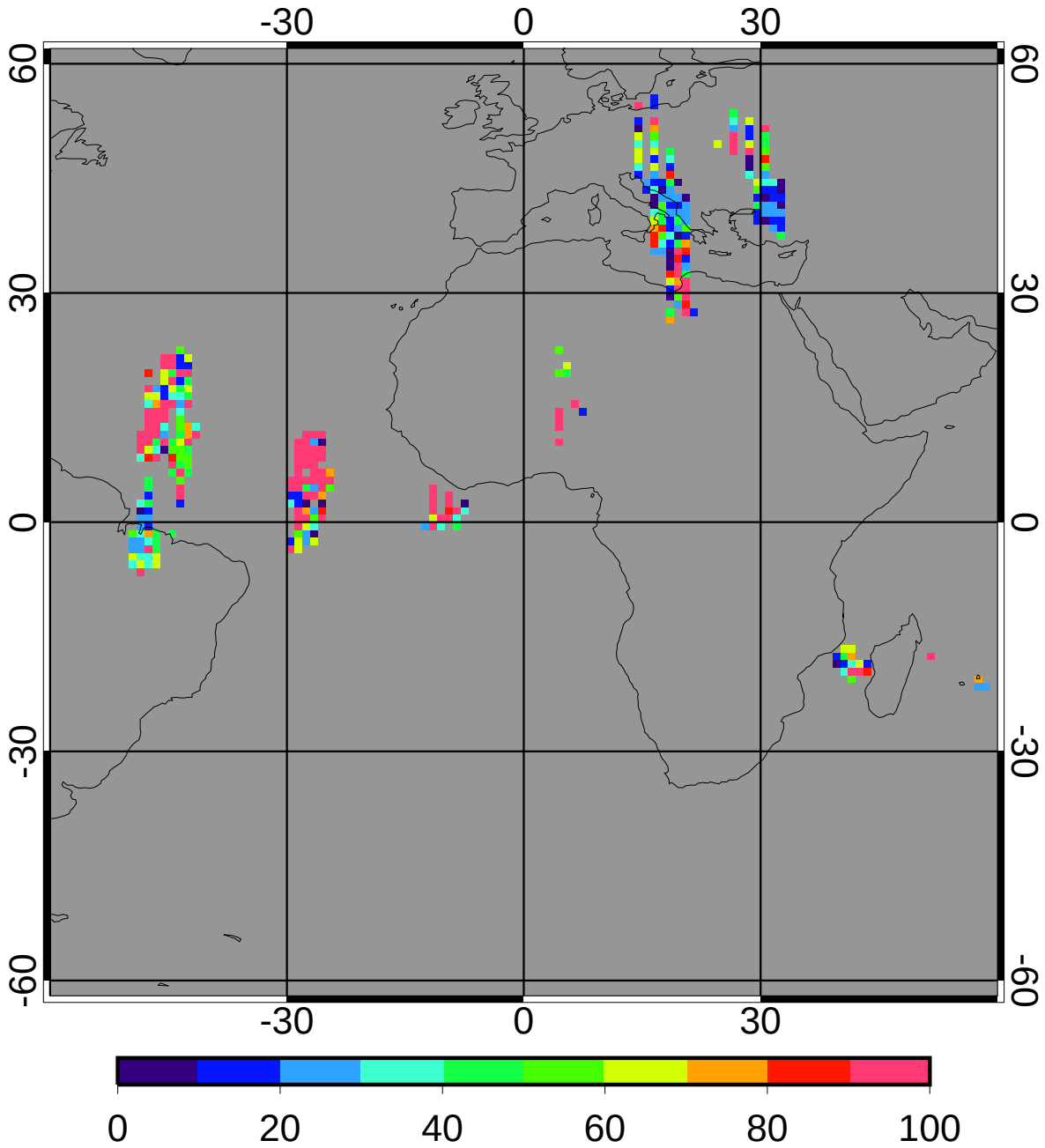
5ch Jan 2010 (matched angle) (lapse rate)



bias	-45.13	-7.45%
domain sigma	112.42	18.55%

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

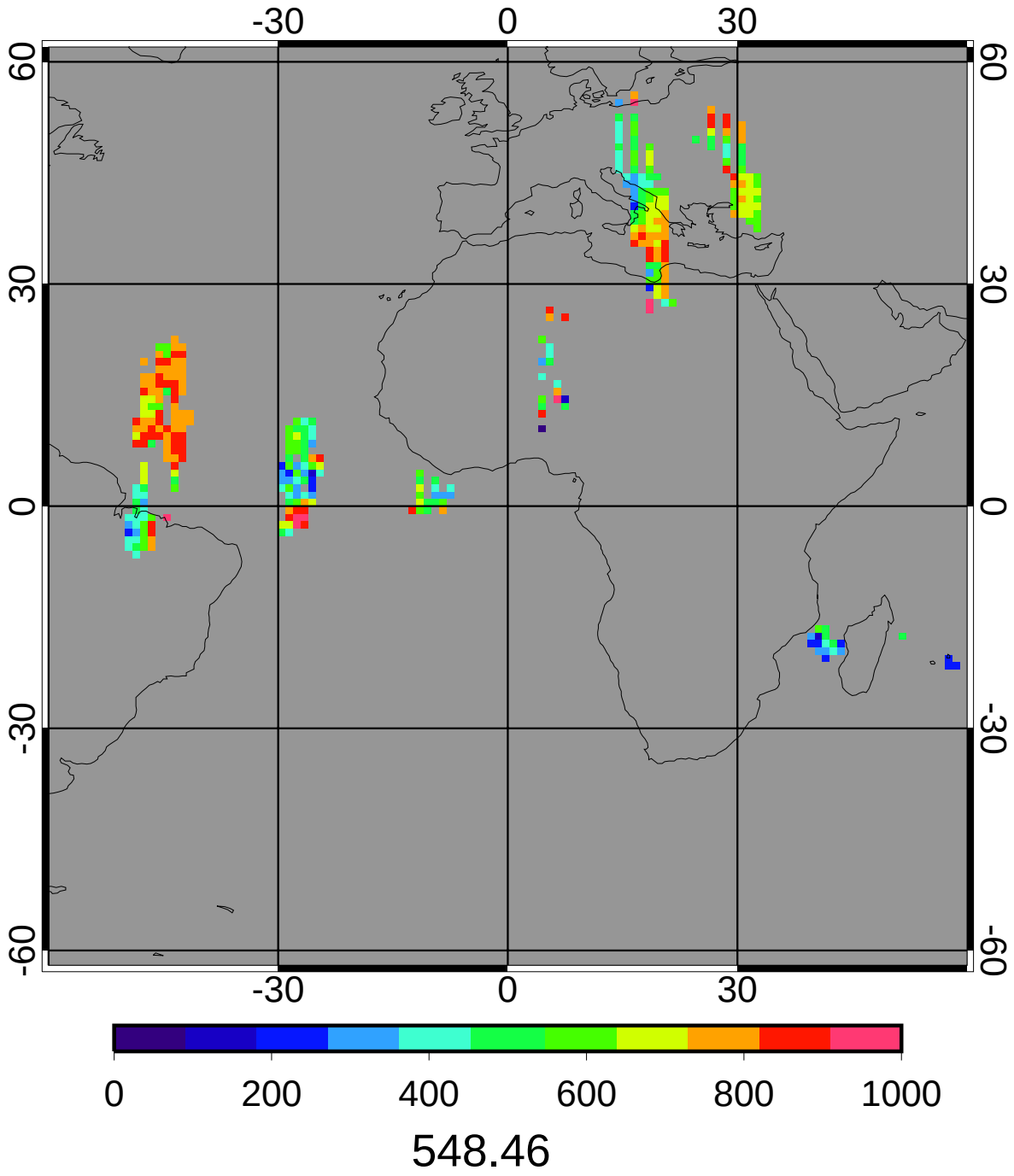
5ch Jan 2010 (matched angle) (lapse rate)



regave rms	77.70	12.82%
domain rms	119.14	19.66%

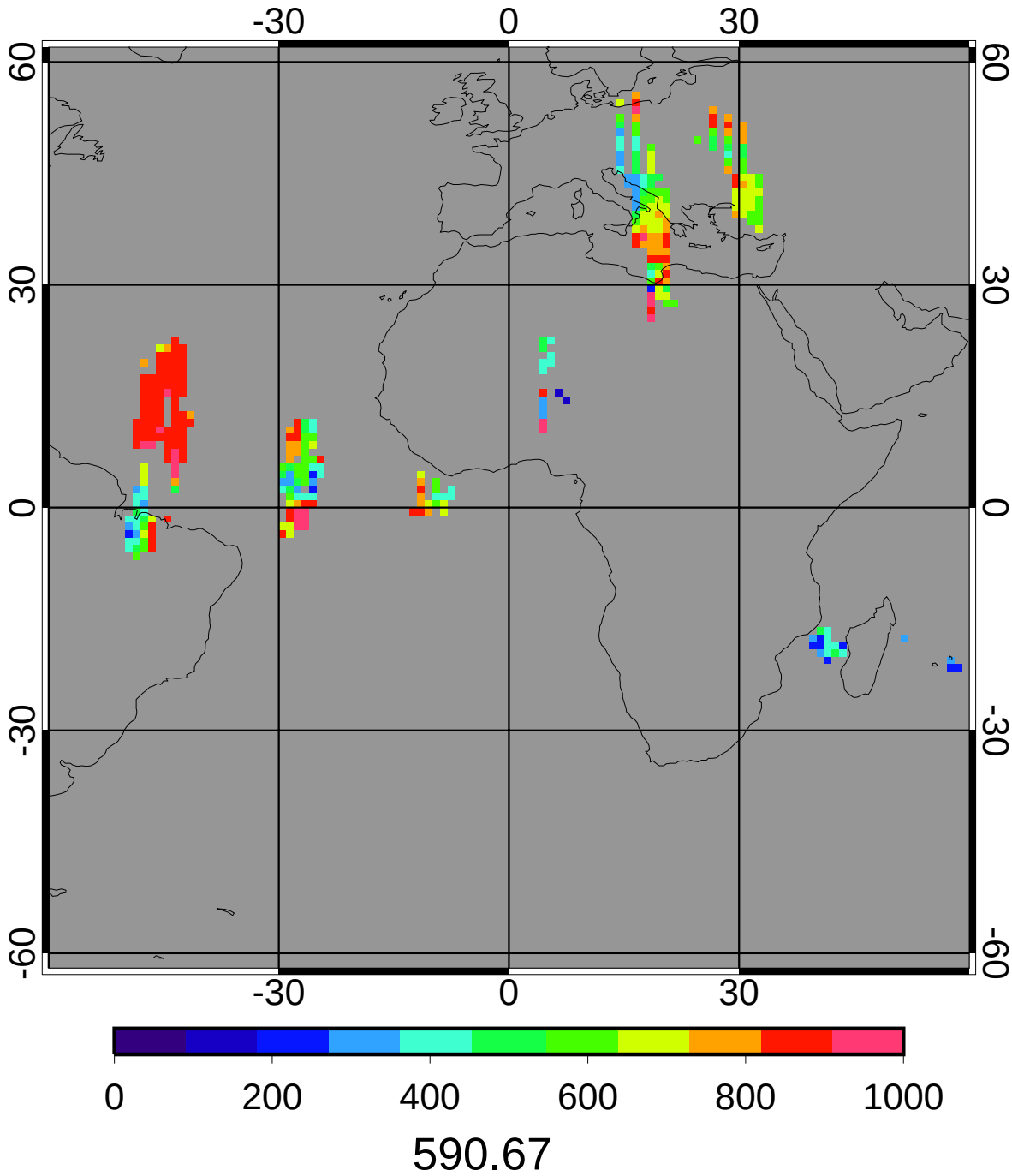
GGEO MEAN Daytime Cloud Top Pressure (mb)

5ch Jan 2010 (matched angle) (lapse rate)



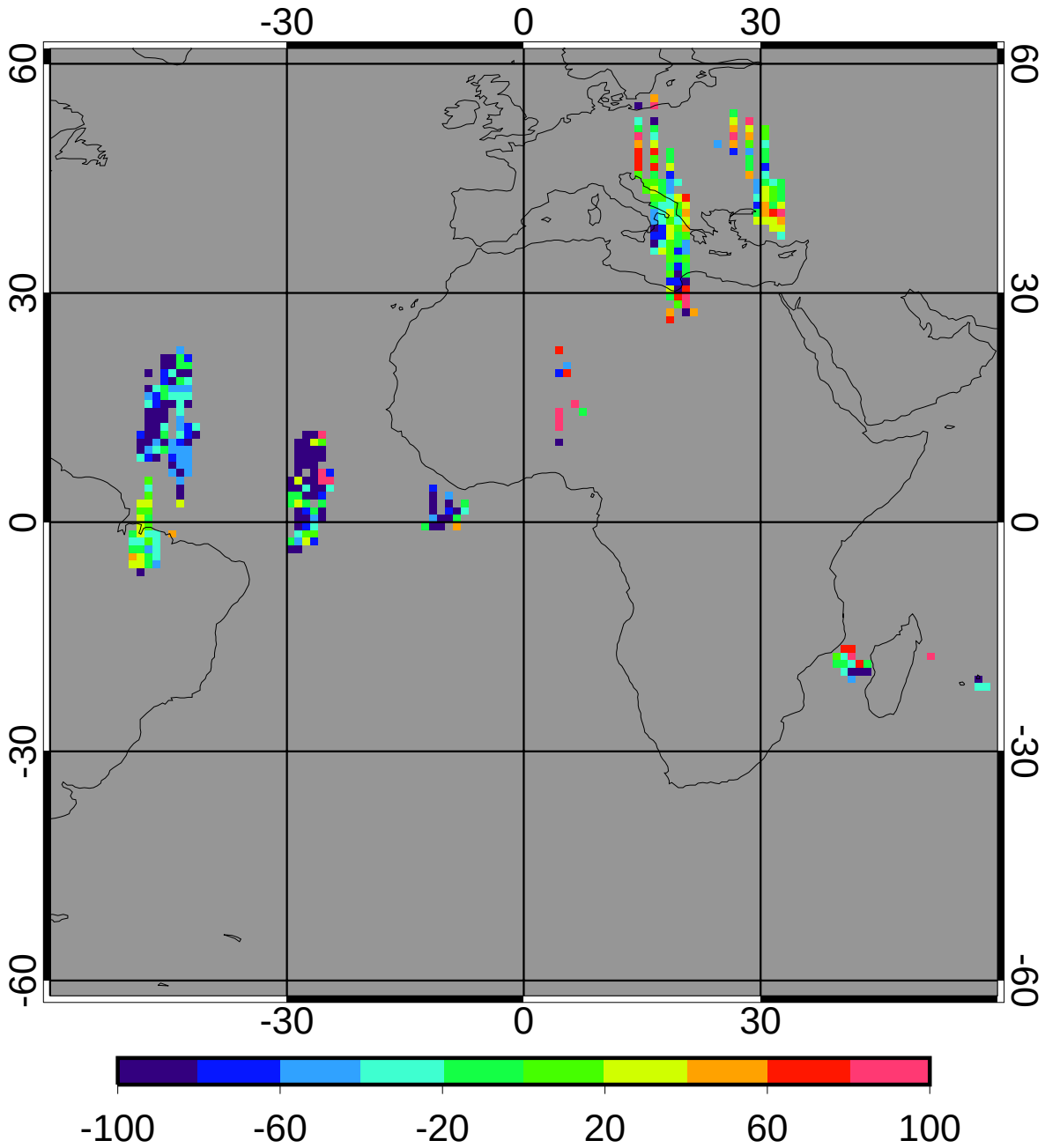
CERES/Terra MEAN Daytime Cloud Top Pressure (mb)

5ch Jan 2010 (matched angle) (lapse rate)



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

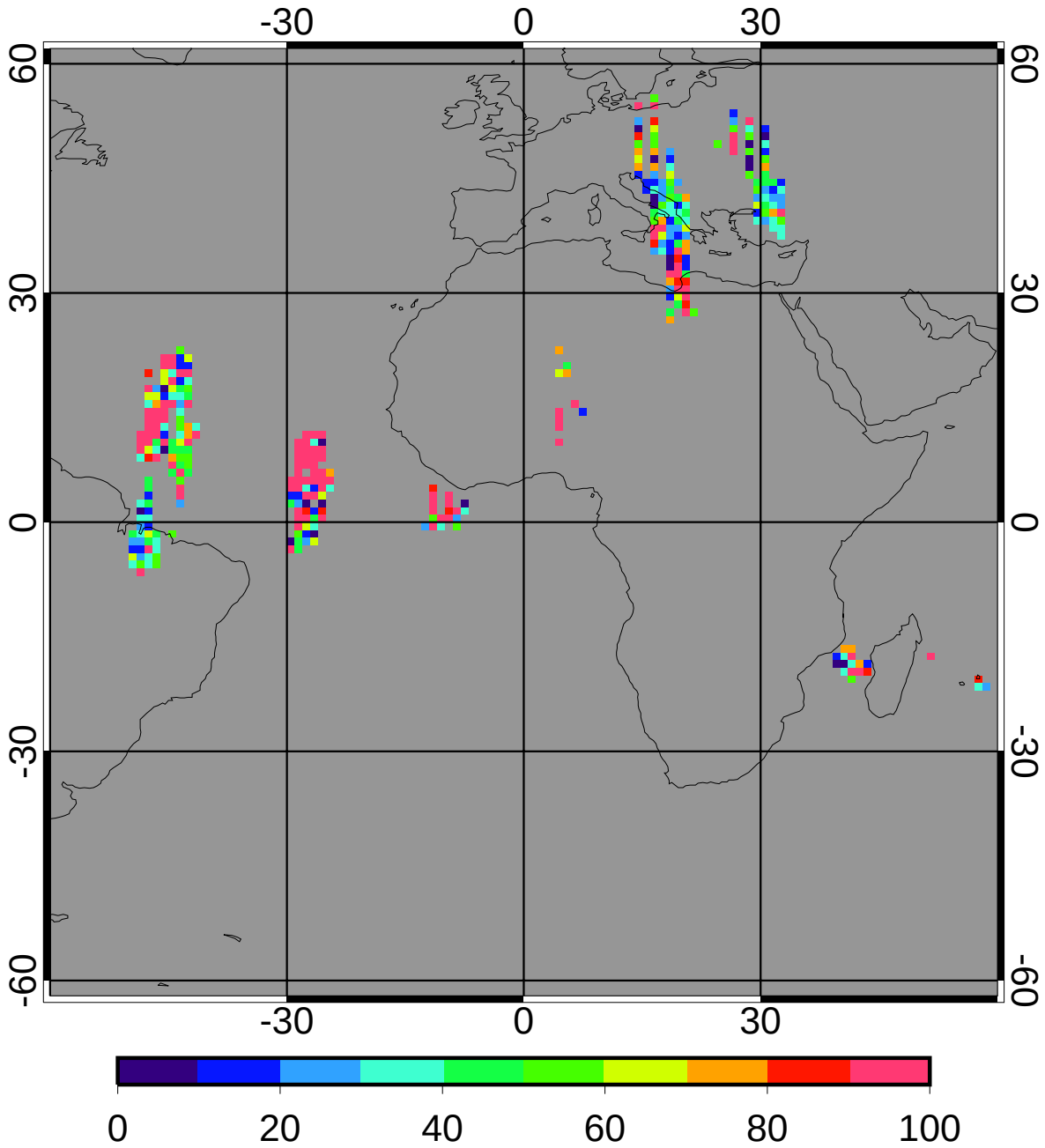
5ch Jan 2010 (matched angle) (lapse rate)



bias	-41.17	-6.97%
domain sigma	115.03	19.47%

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

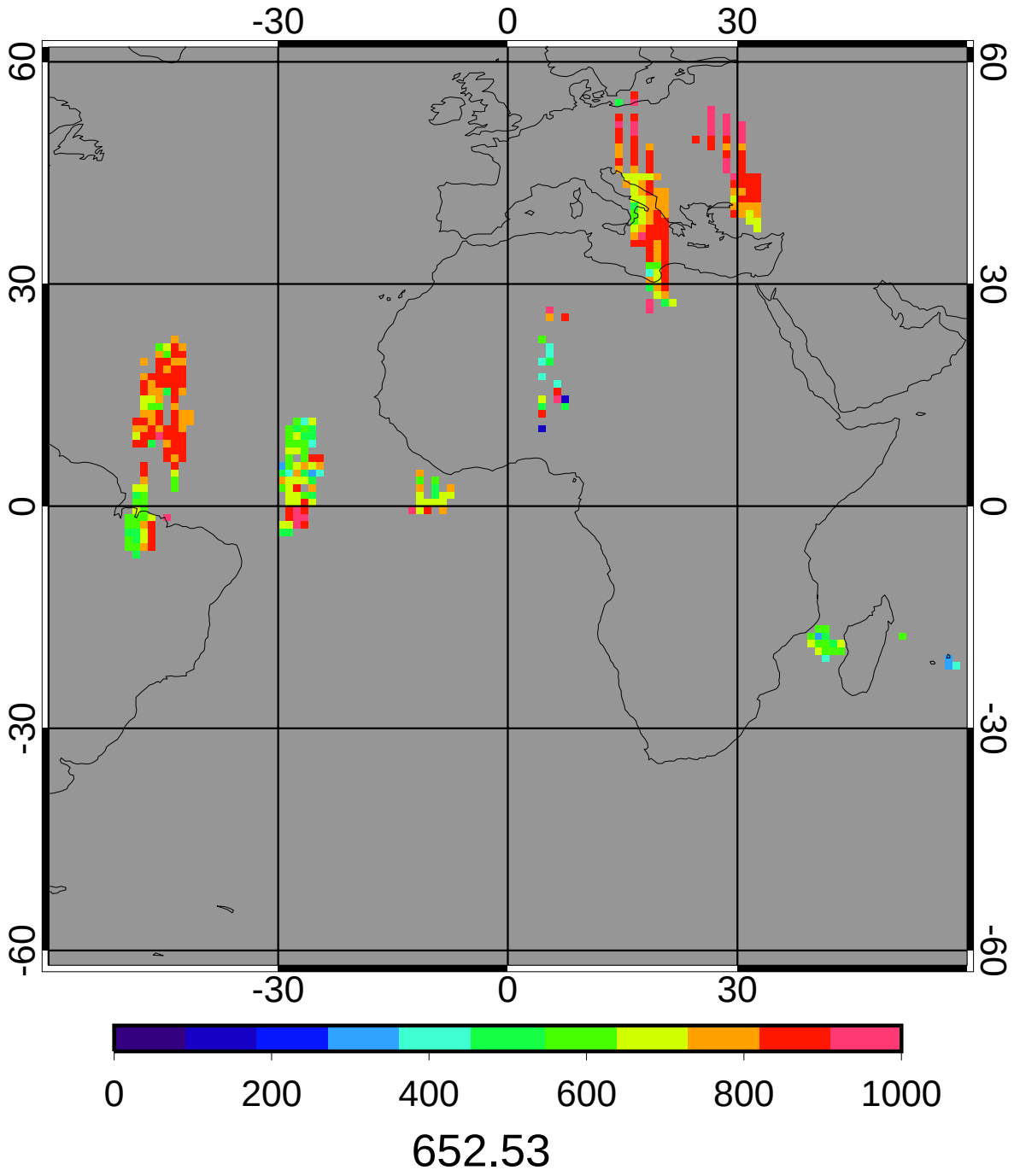
5ch Jan 2010 (matched angle) (lapse rate)



regave rms	79.69	13.49%
domain rms	120.95	20.48%

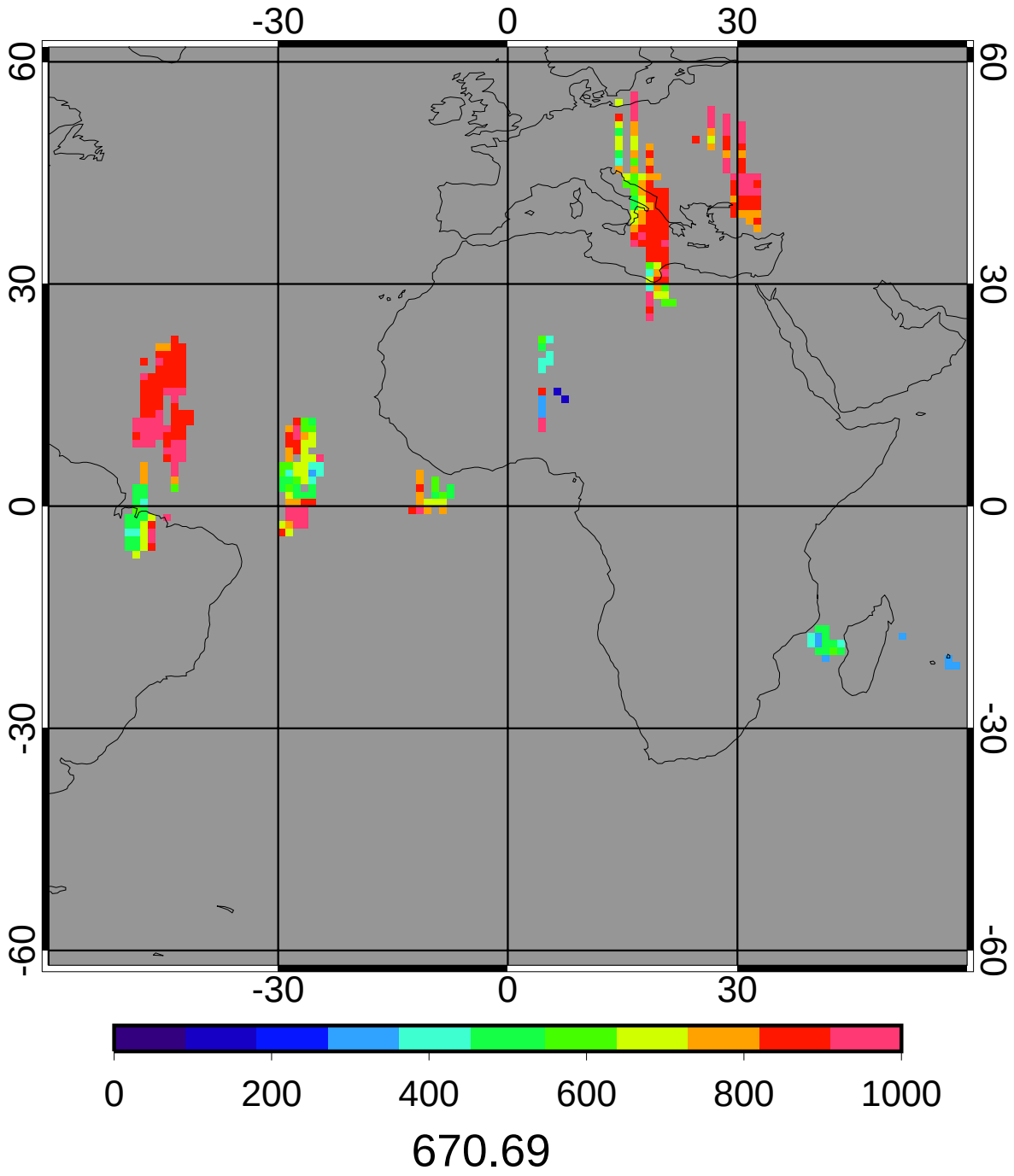
GGEO MEAN Daytime Cloud Base Pressure (mb)

5ch Jan 2010 (matched angle) (lapse rate)



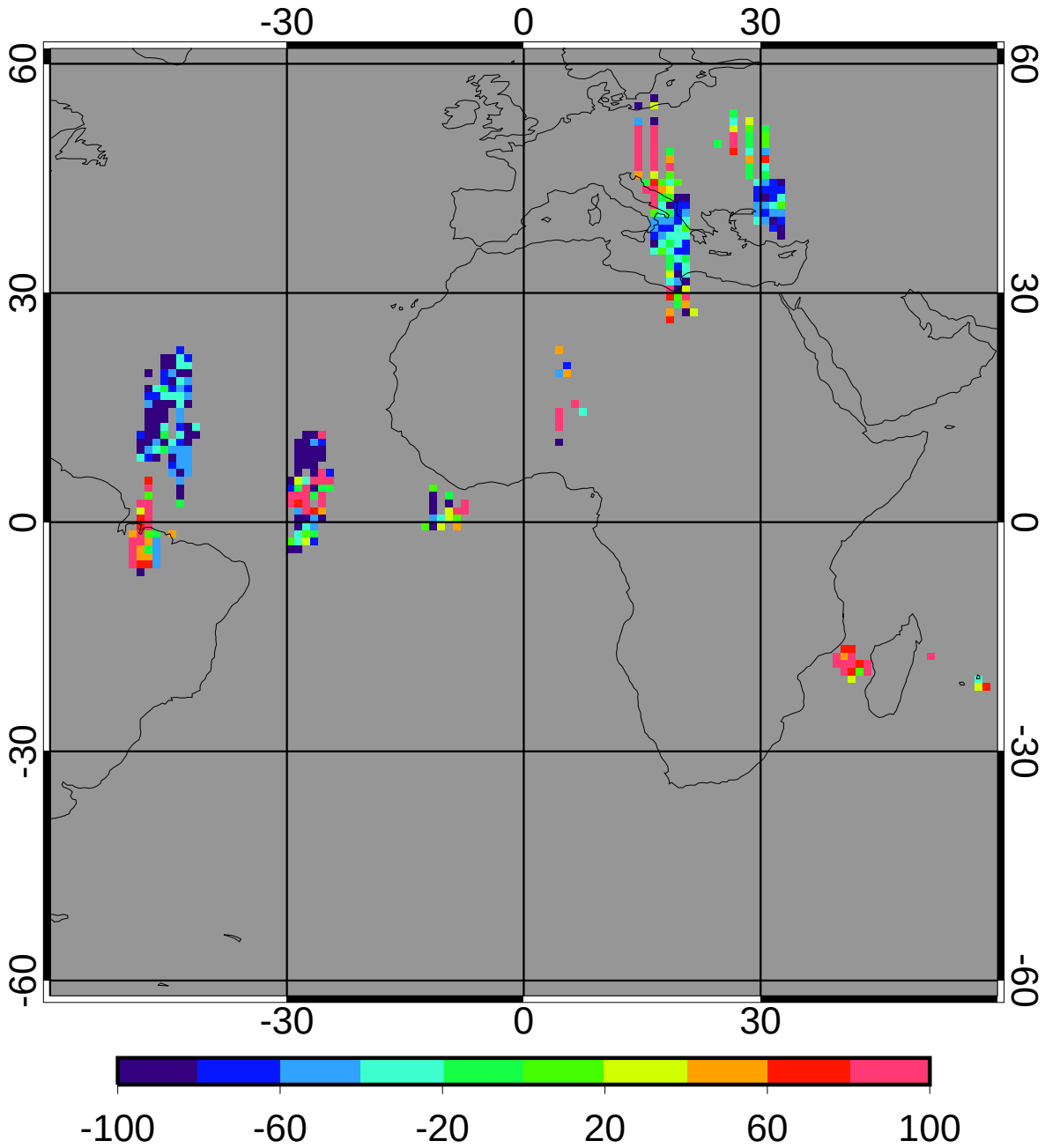
CERES/Terra MEAN Daytime Cloud Base Pressure (mb)

5ch Jan 2010 (matched angle) (lapse rate)



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

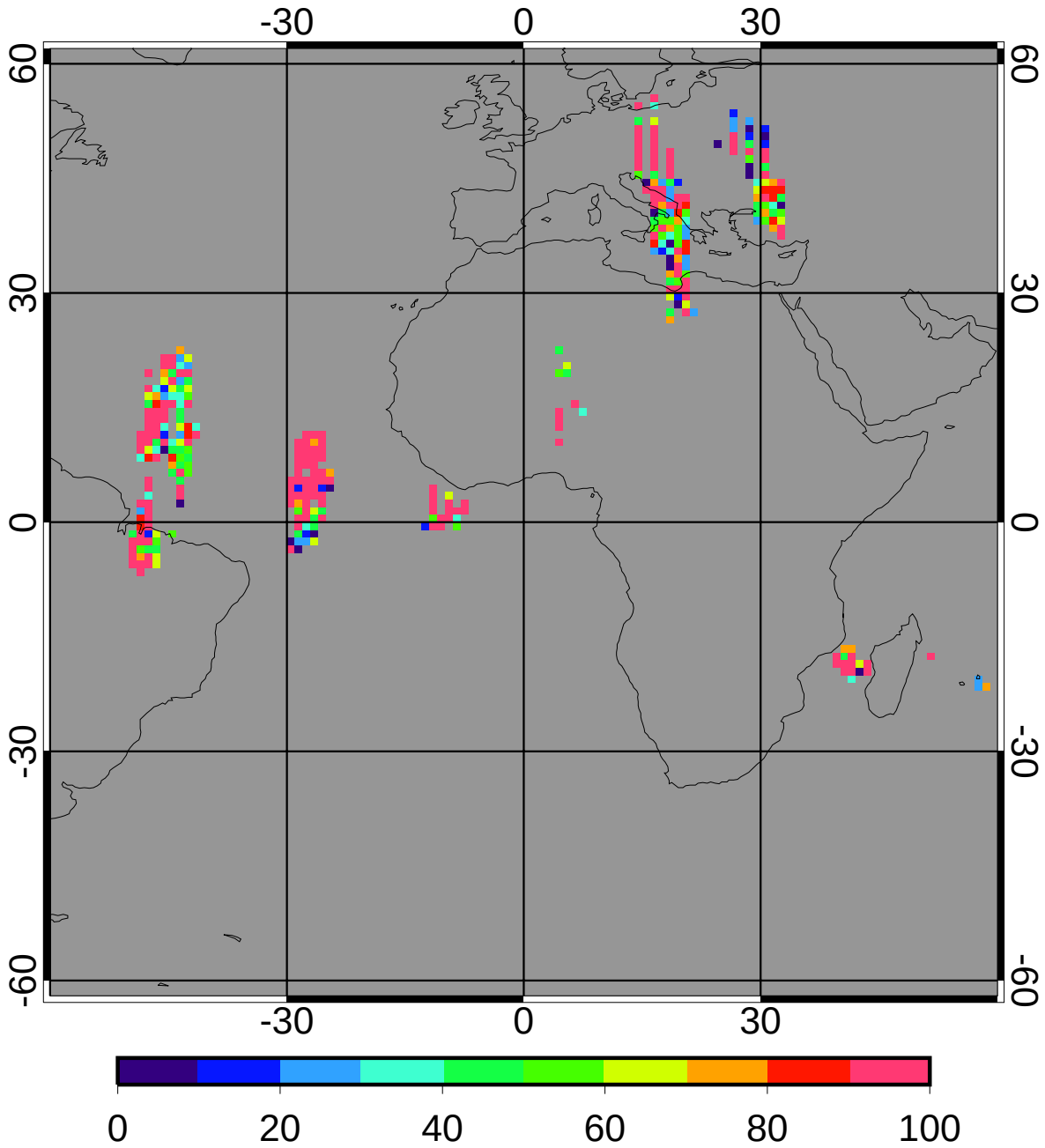
5ch Jan 2010 (matched angle) (lapse rate)



bias	-16.86	-2.51%
domain sigma	130.18	19.41%

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

5ch Jan 2010 (matched angle) (lapse rate)

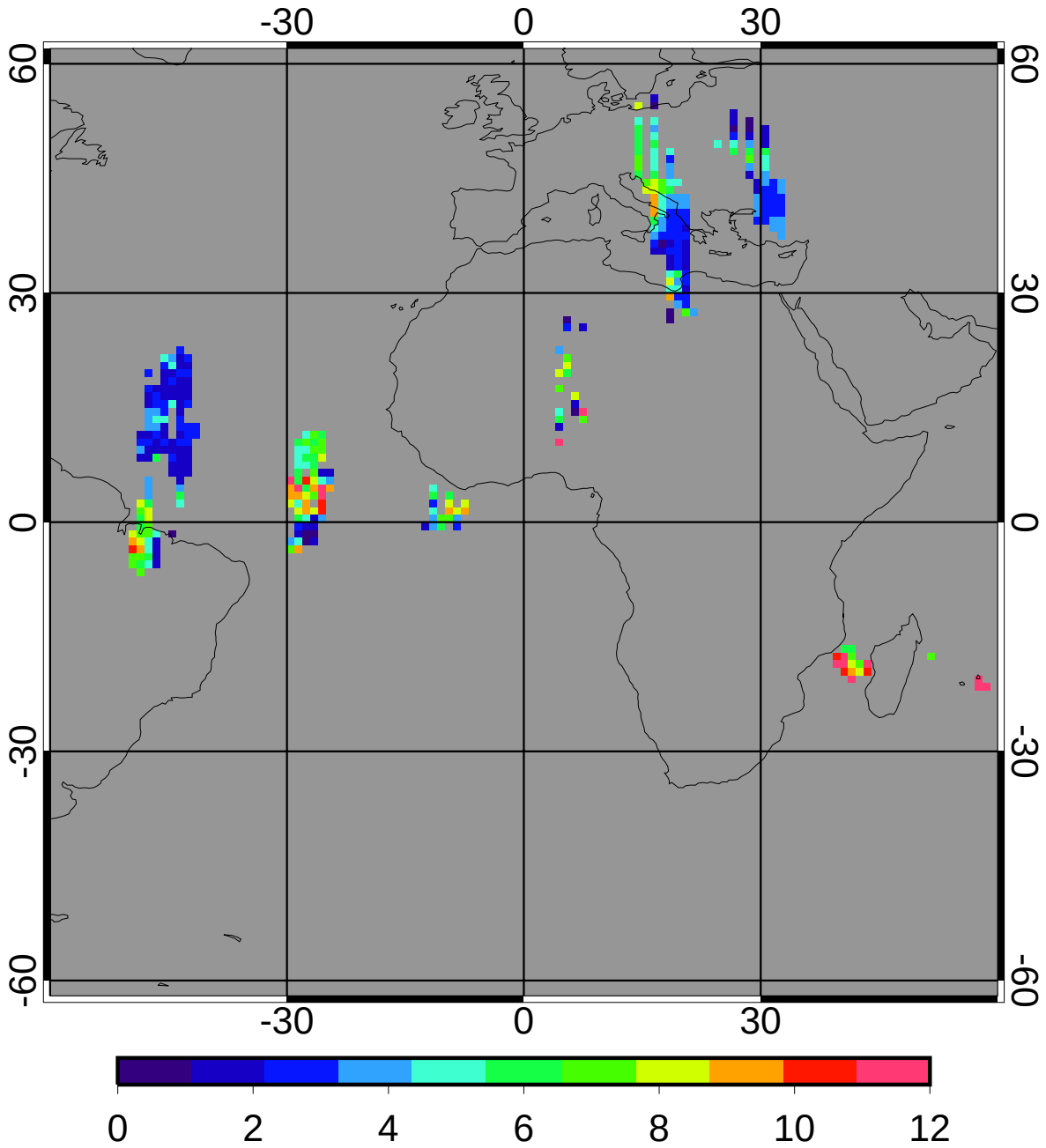


regave rms 101.70 15.16%

domain rms 141.93 21.16%

GGEO MEAN Daytime Cloud Eff Height (km)

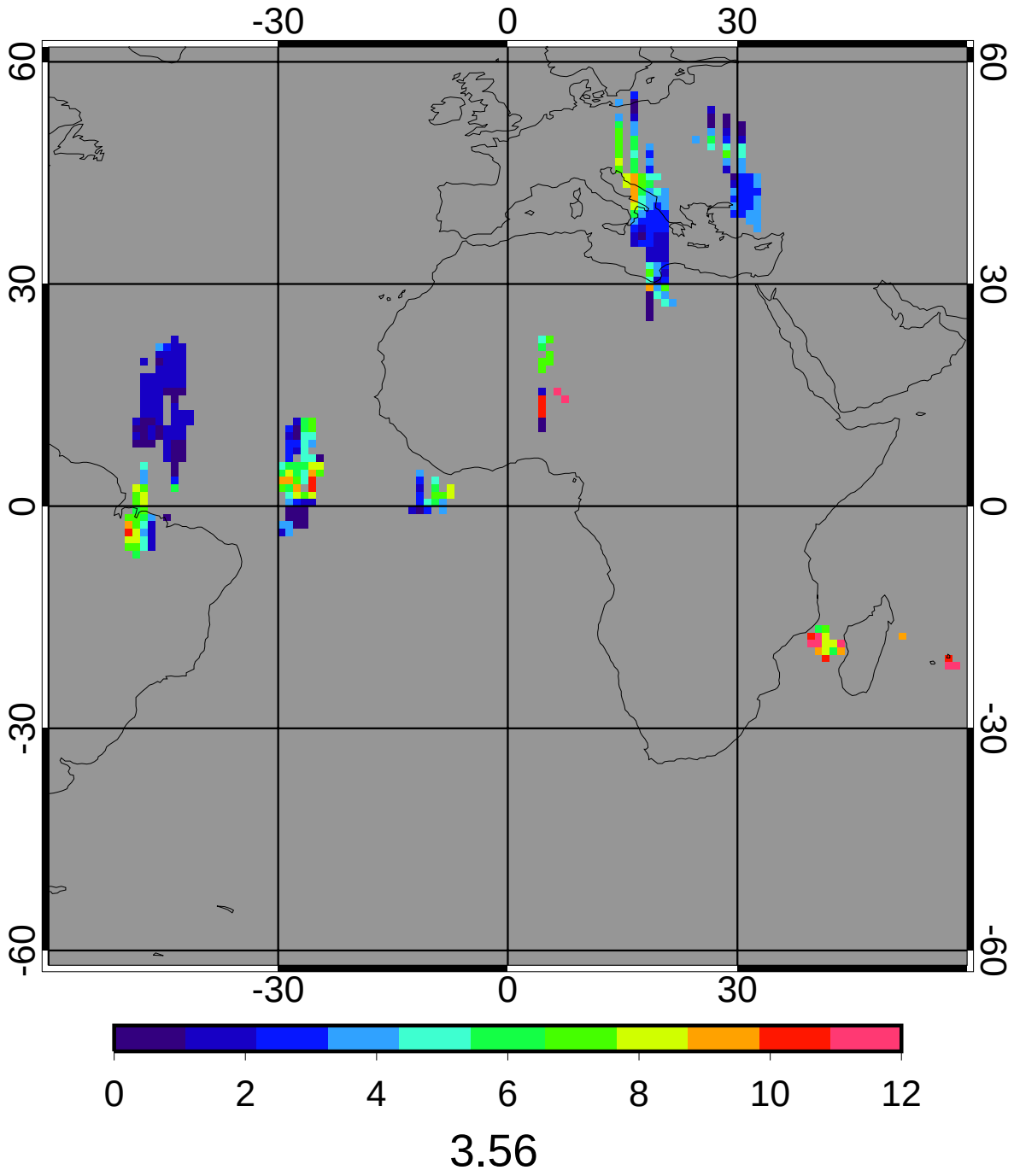
5ch Jan 2010 (matched angle) (lapse rate)



4.18

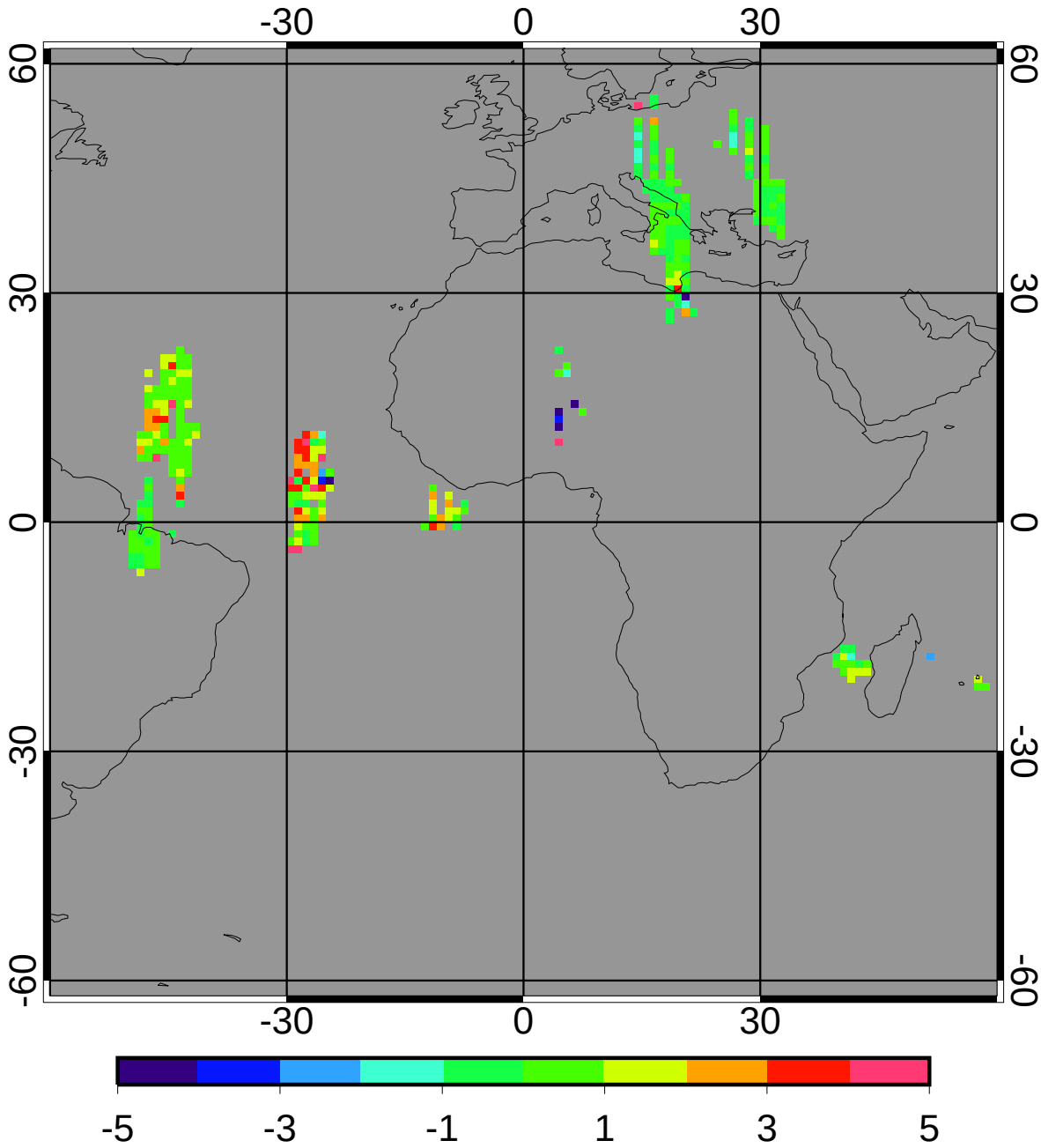
CERES/Terra MEAN Daytime Cloud Eff Height (km)

5ch Jan 2010 (matched angle) (lapse rate)



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

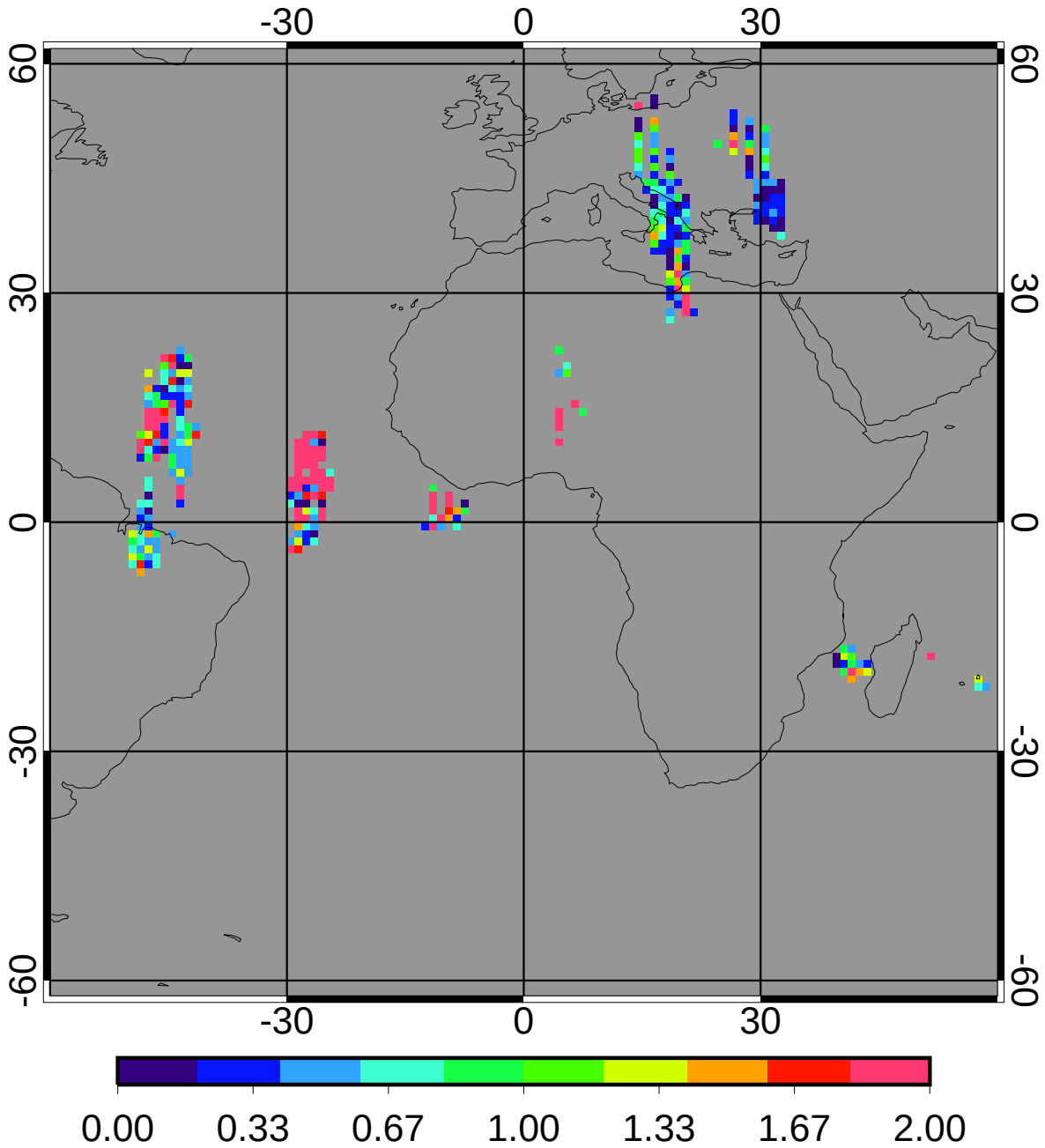
5ch Jan 2010 (matched angle) (lapse rate)



bias	0.60	16.89%
domain sigma	1.80	50.57%

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

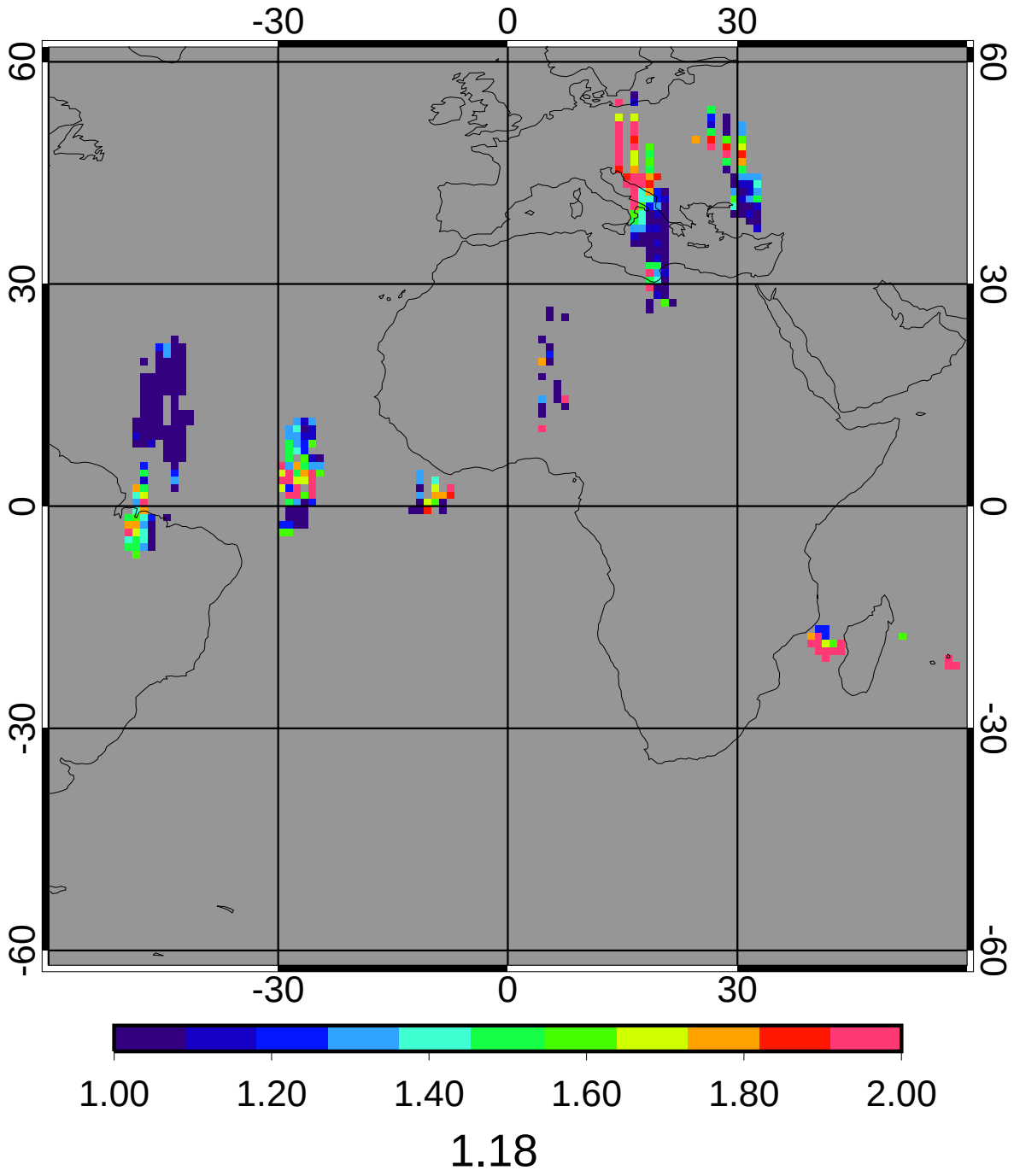
5ch Jan 2010 (matched angle) (lapse rate)



regave rms	1.13	31.76%
domain rms	1.83	51.47%

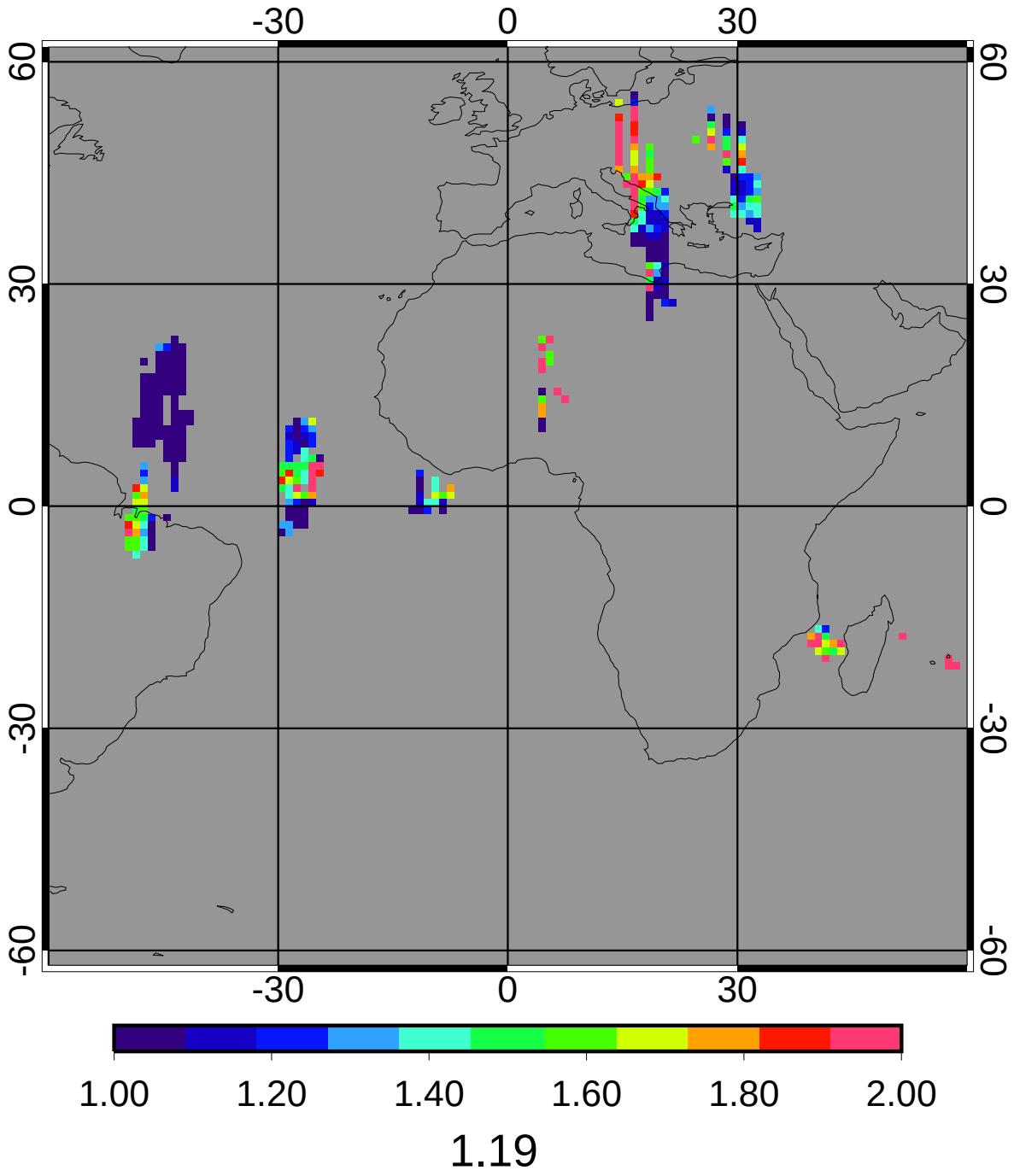
GGEO MEAN Daytime Cloud Phase

5ch Jan 2010 (matched angle) (lapse rate)



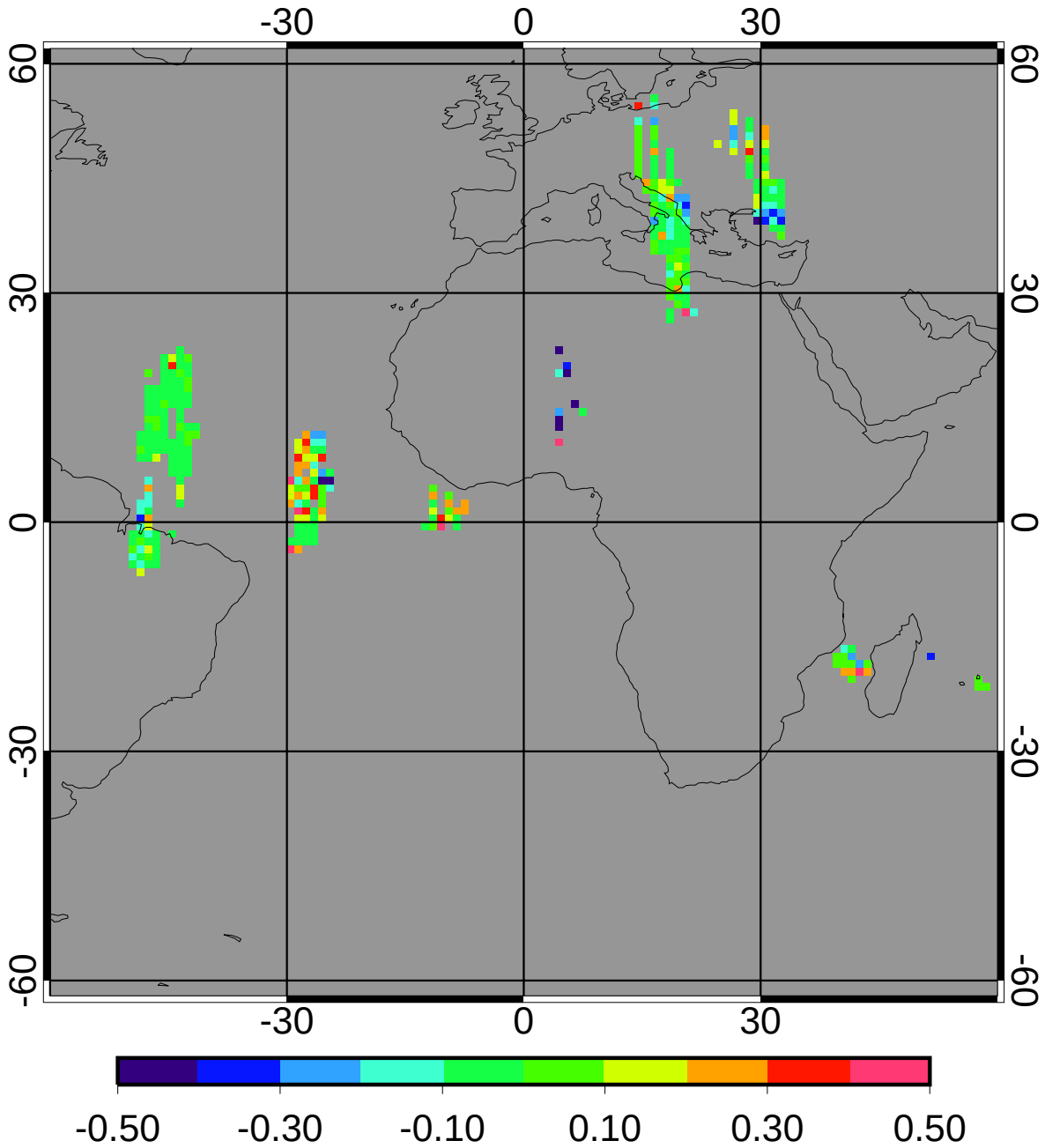
CERES/Terra MEAN Daytime Cloud Phase

5ch Jan 2010 (matched angle) (lapse rate)



GGEO - CERES/Terra Daytime Cloud Phase Bias

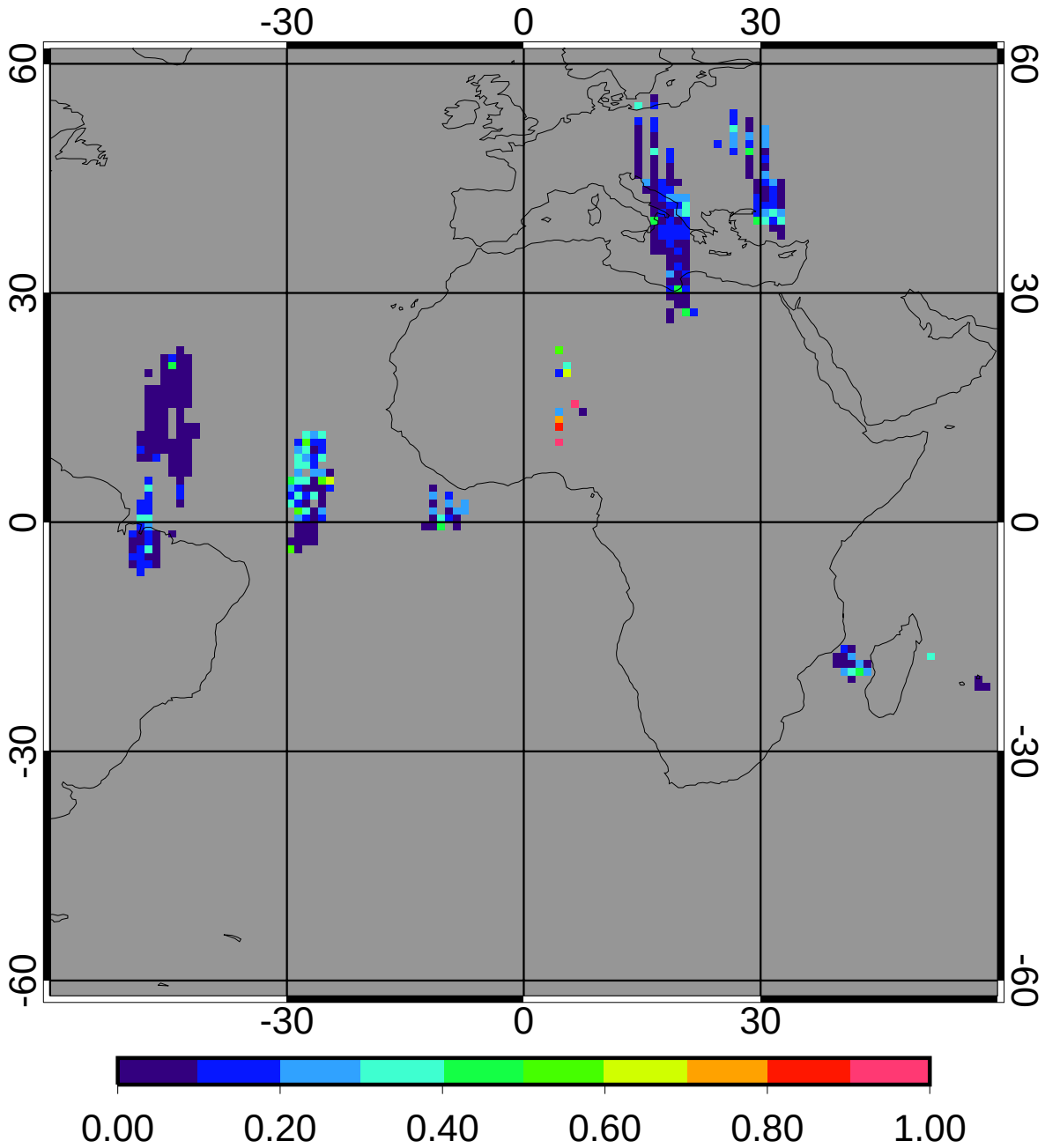
5ch Jan 2010 (matched angle) (lapse rate)



bias	0.01	0.44%
domain sigma	0.17	14.52%

GGEO - CERES/Terra Daytime Cloud Phase RMS

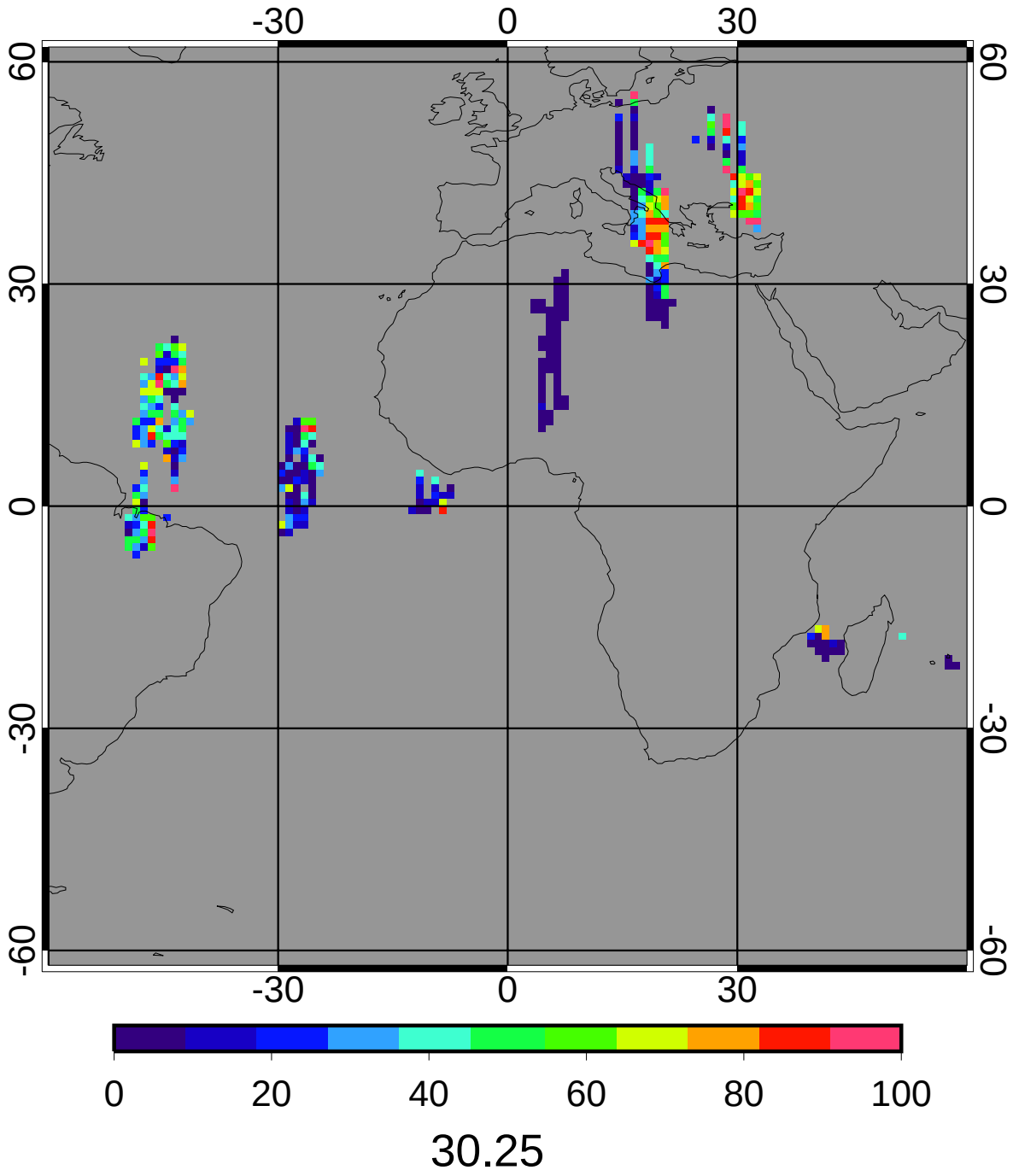
5ch Jan 2010 (matched angle) (lapse rate)



regave rms	0.11	9.58%
domain rms	0.18	15.51%

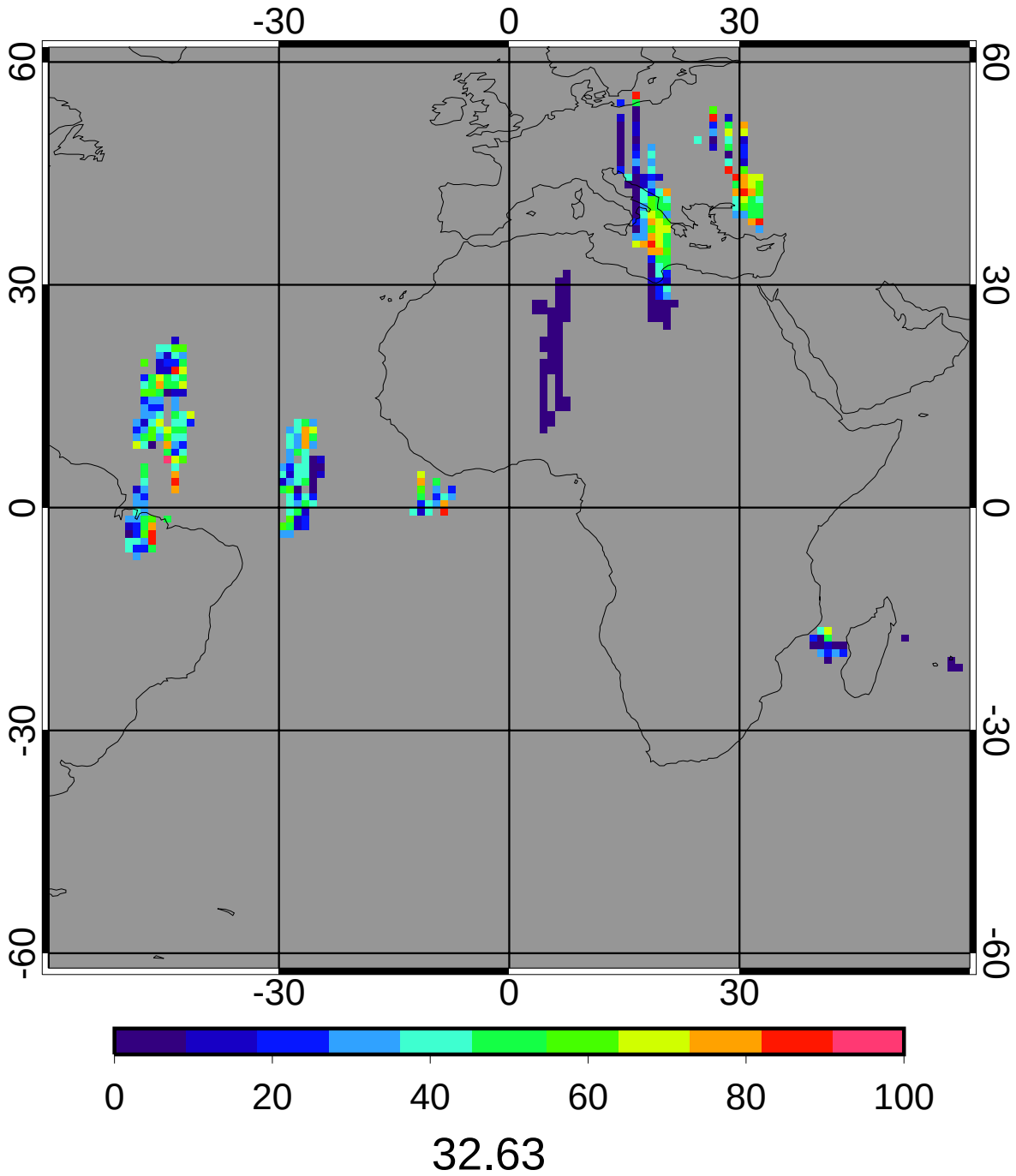
GGEO MEAN Daytime Liquid Cld Amt (%)

5ch Jan 2010 (matched angle) (lapse rate)



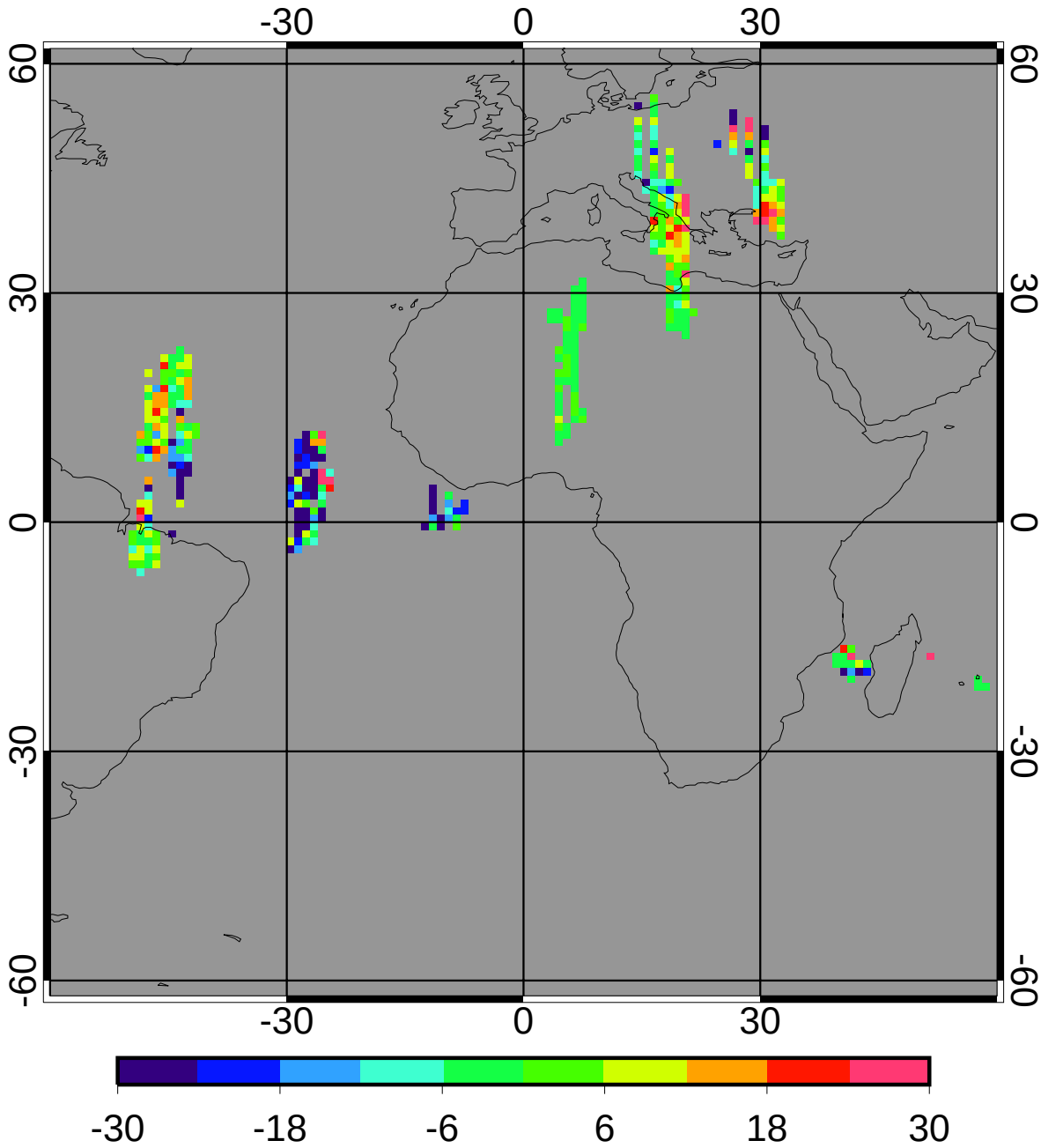
CERES/Terra MEAN Daytime Liquid Cld Amt (%)

5ch Jan 2010 (matched angle) (lapse rate)



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

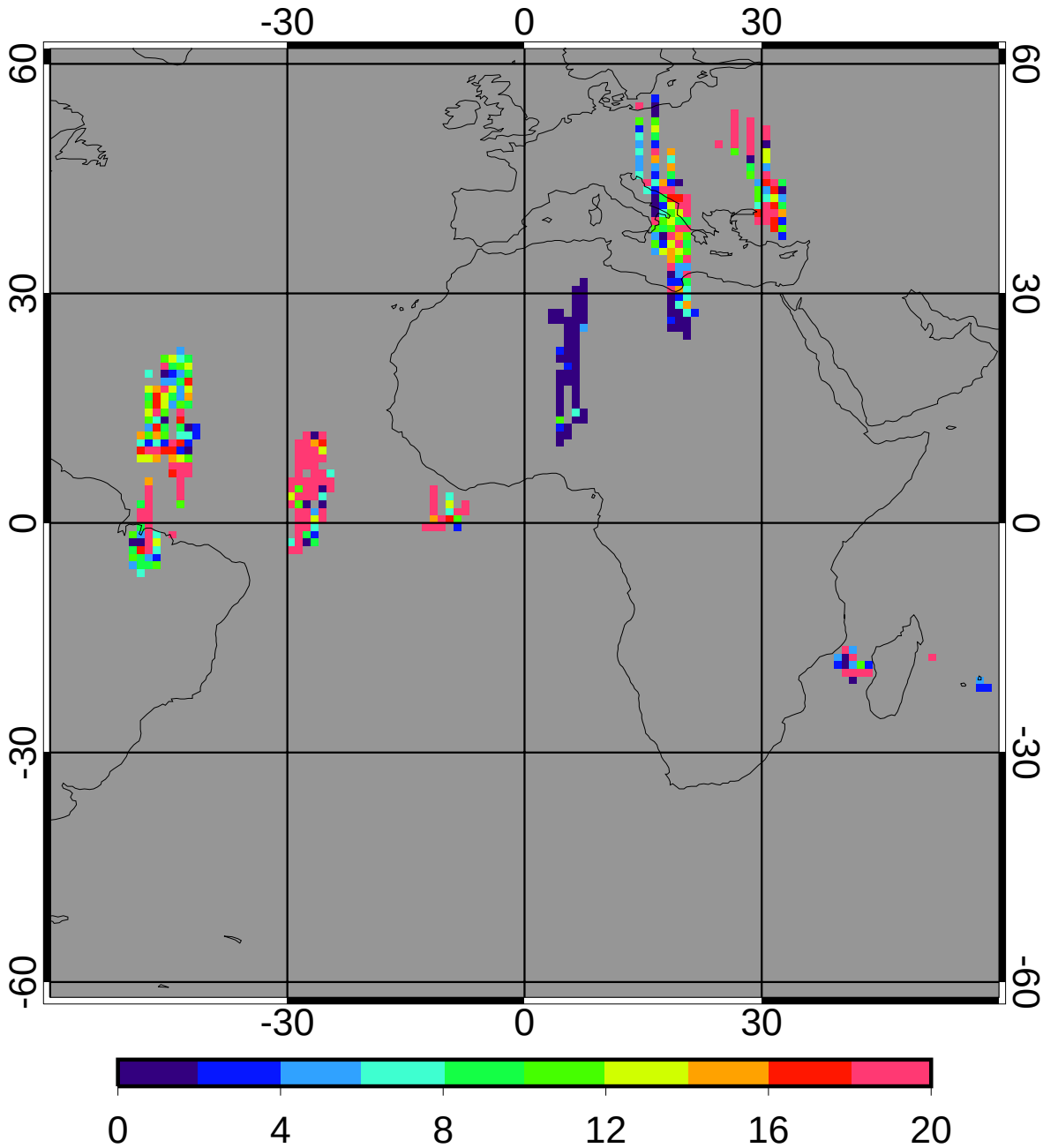
5ch Jan 2010 (matched angle) (lapse rate)



bias	-2.38	-7.30%
domain sigma	15.35	47.04%

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

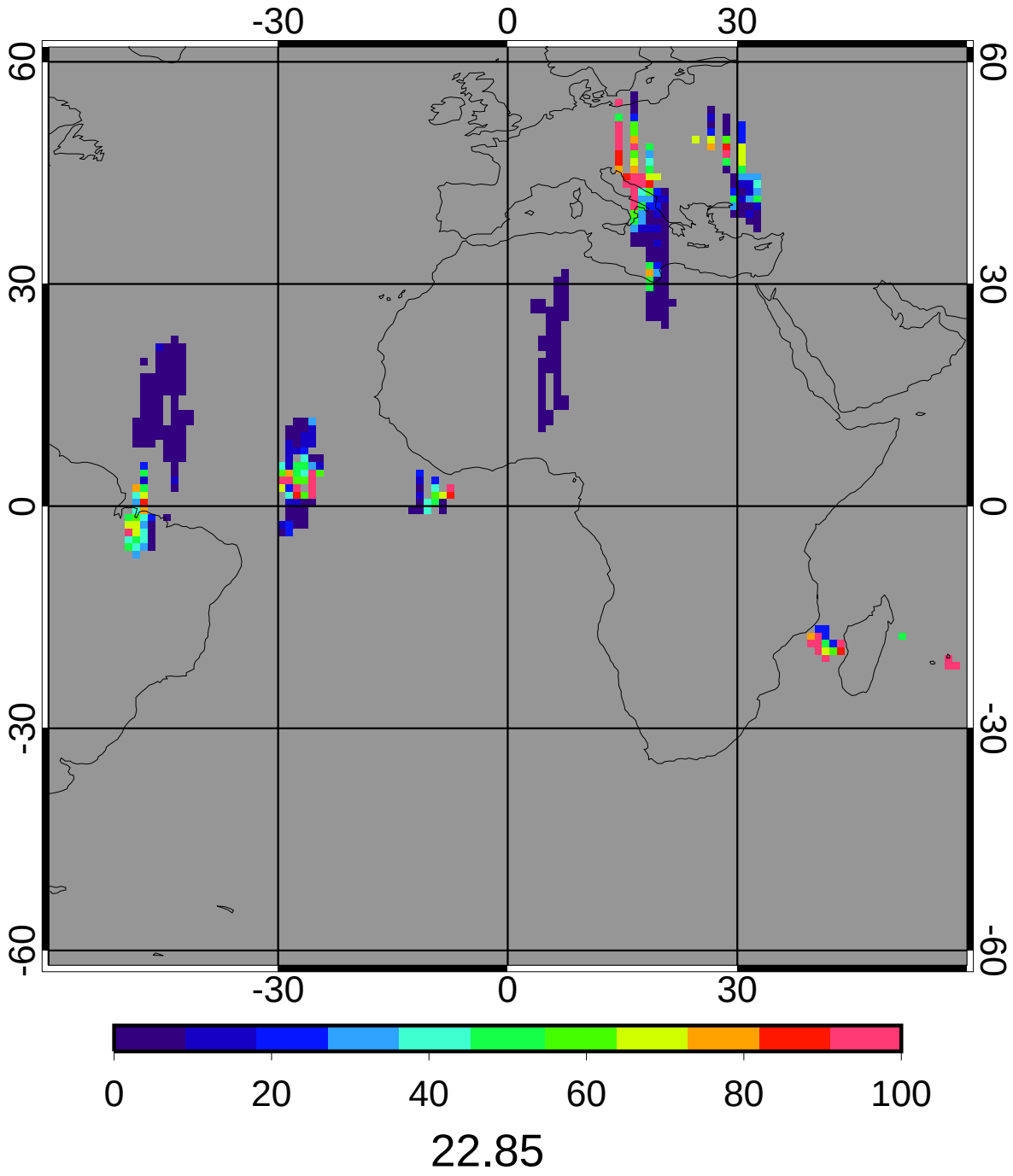
5ch Jan 2010 (matched angle) (lapse rate)



regave rms	14.22	43.57%
domain rms	18.63	57.09%

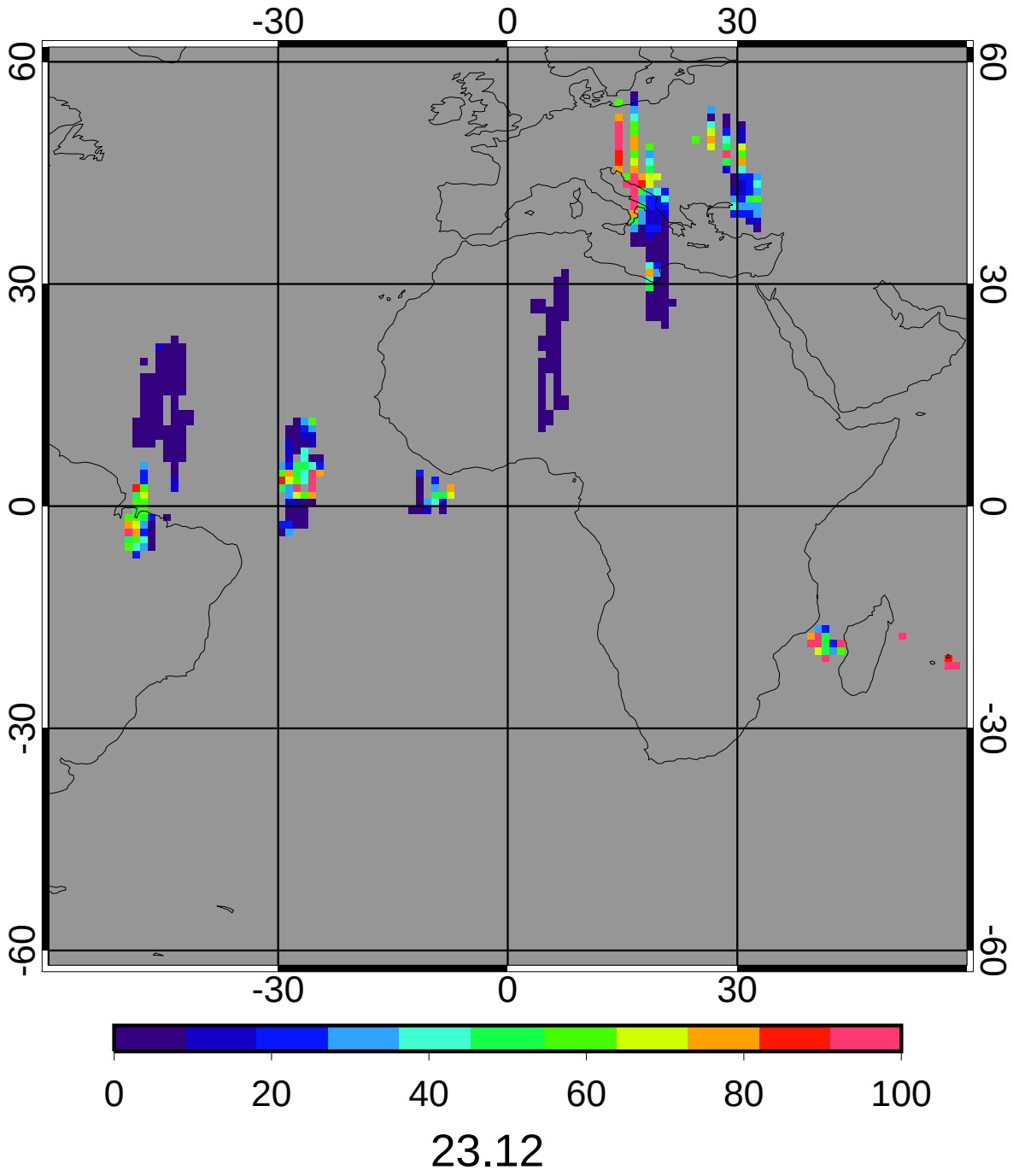
GGEO MEAN Daytime Ice Cld Amt (%)

5ch Jan 2010 (matched angle) (lapse rate)



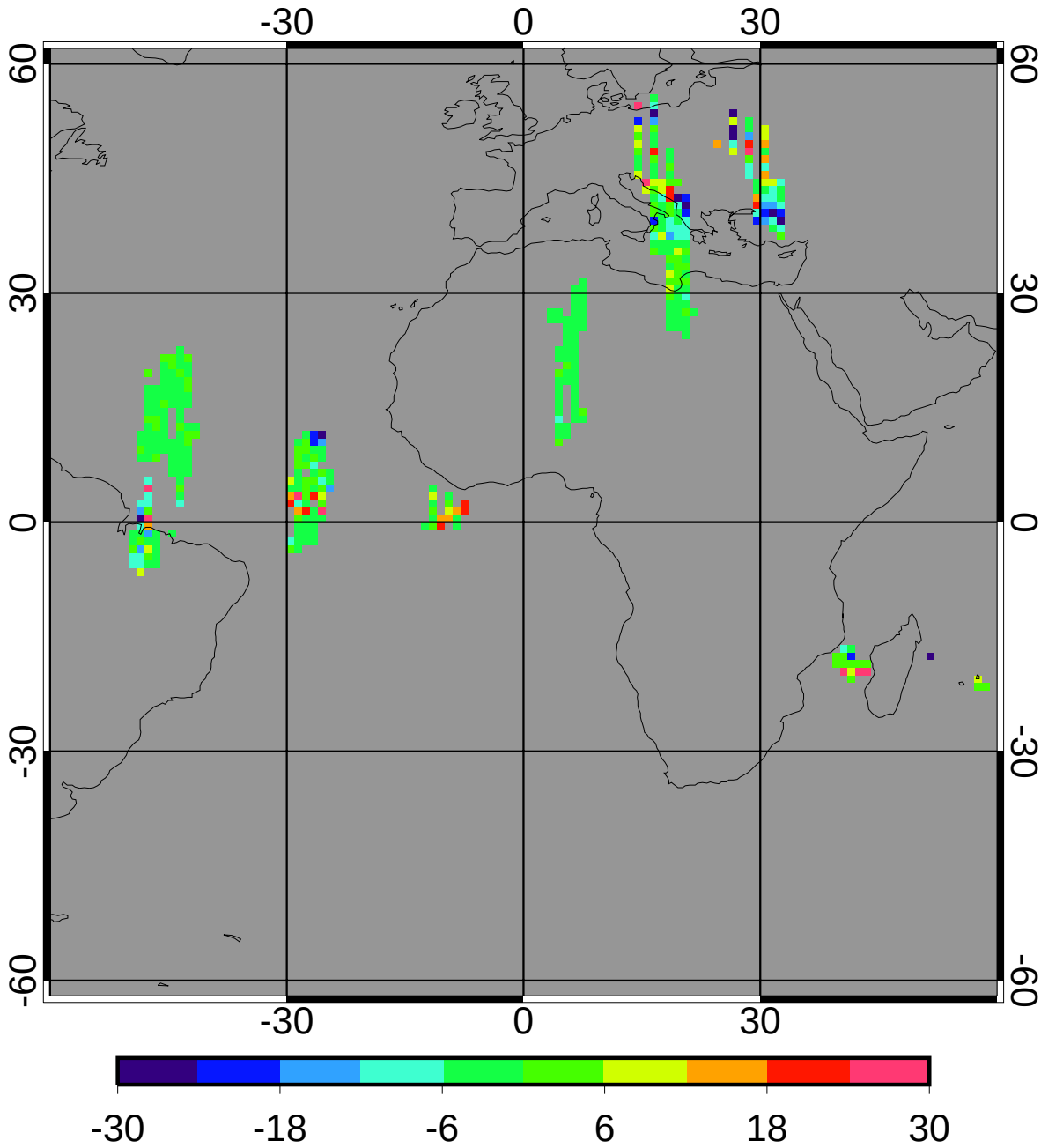
CERES/Terra MEAN Daytime Ice Cld Amt (%)

5ch Jan 2010 (matched angle) (lapse rate)



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

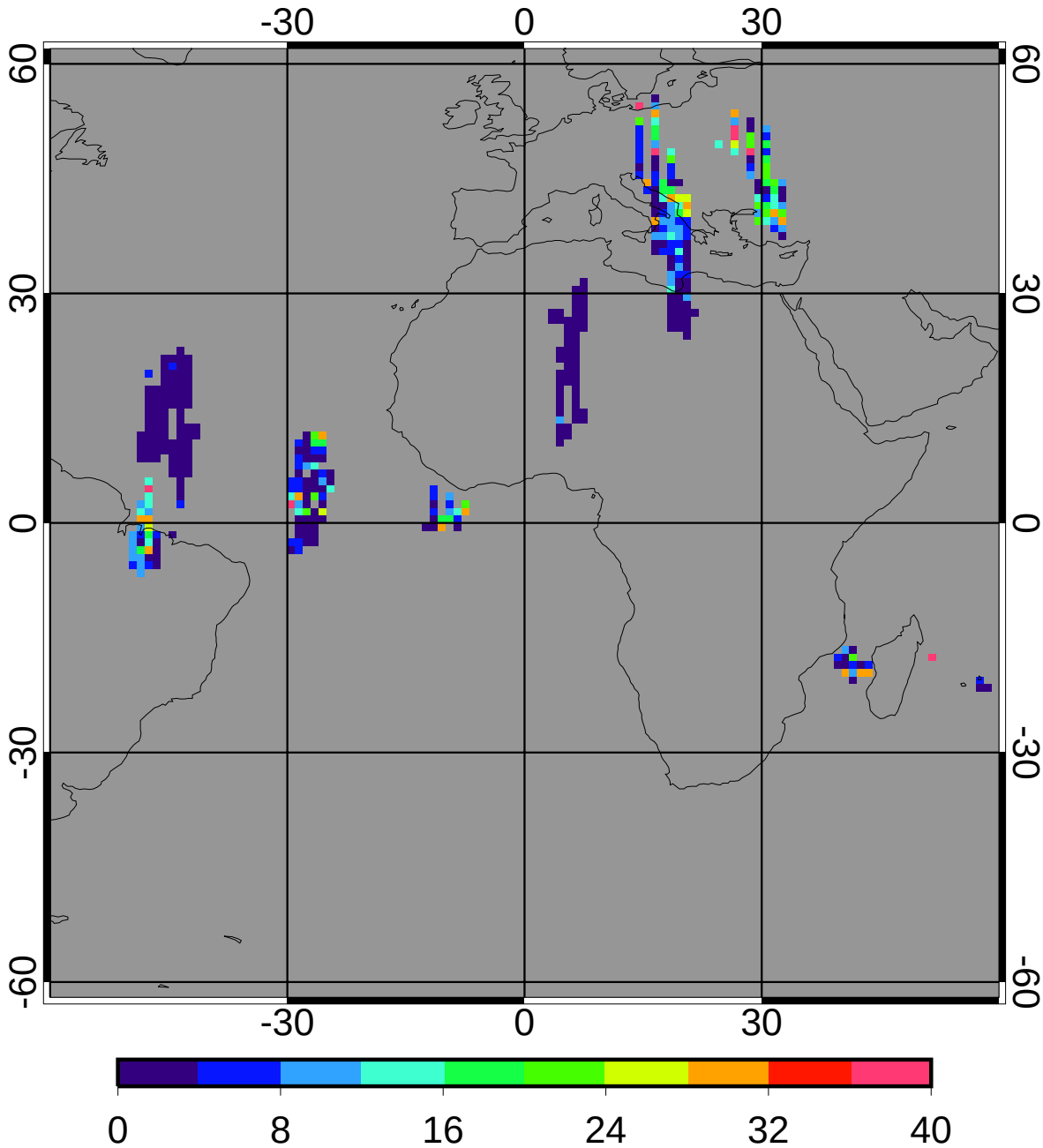
5ch Jan 2010 (matched angle) (lapse rate)



bias	-0.27	-1.16%
domain sigma	8.04	34.77%

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

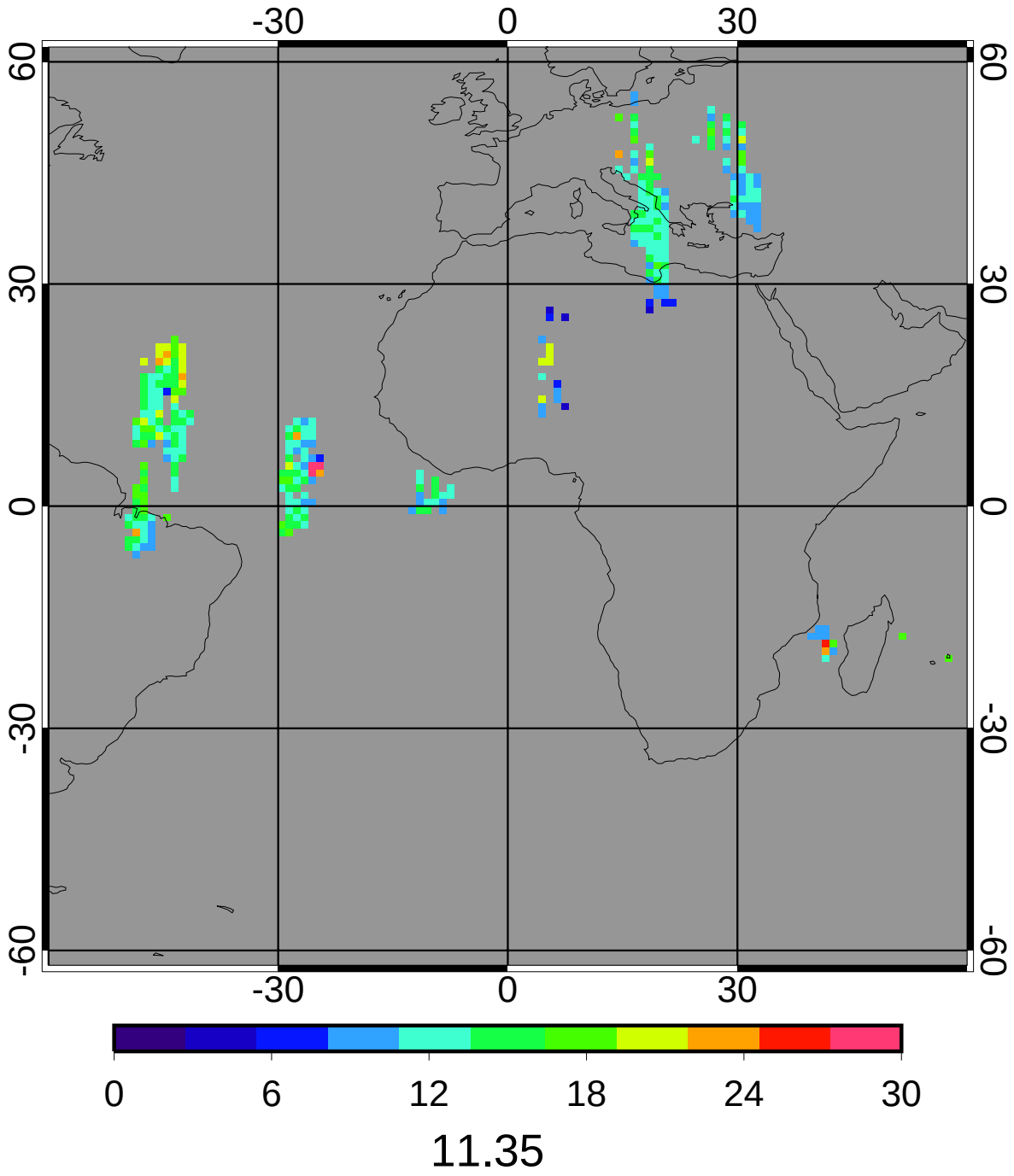
5ch Jan 2010 (matched angle) (lapse rate)



regave rms	6.40	27.69%
domain rms	11.55	49.97%

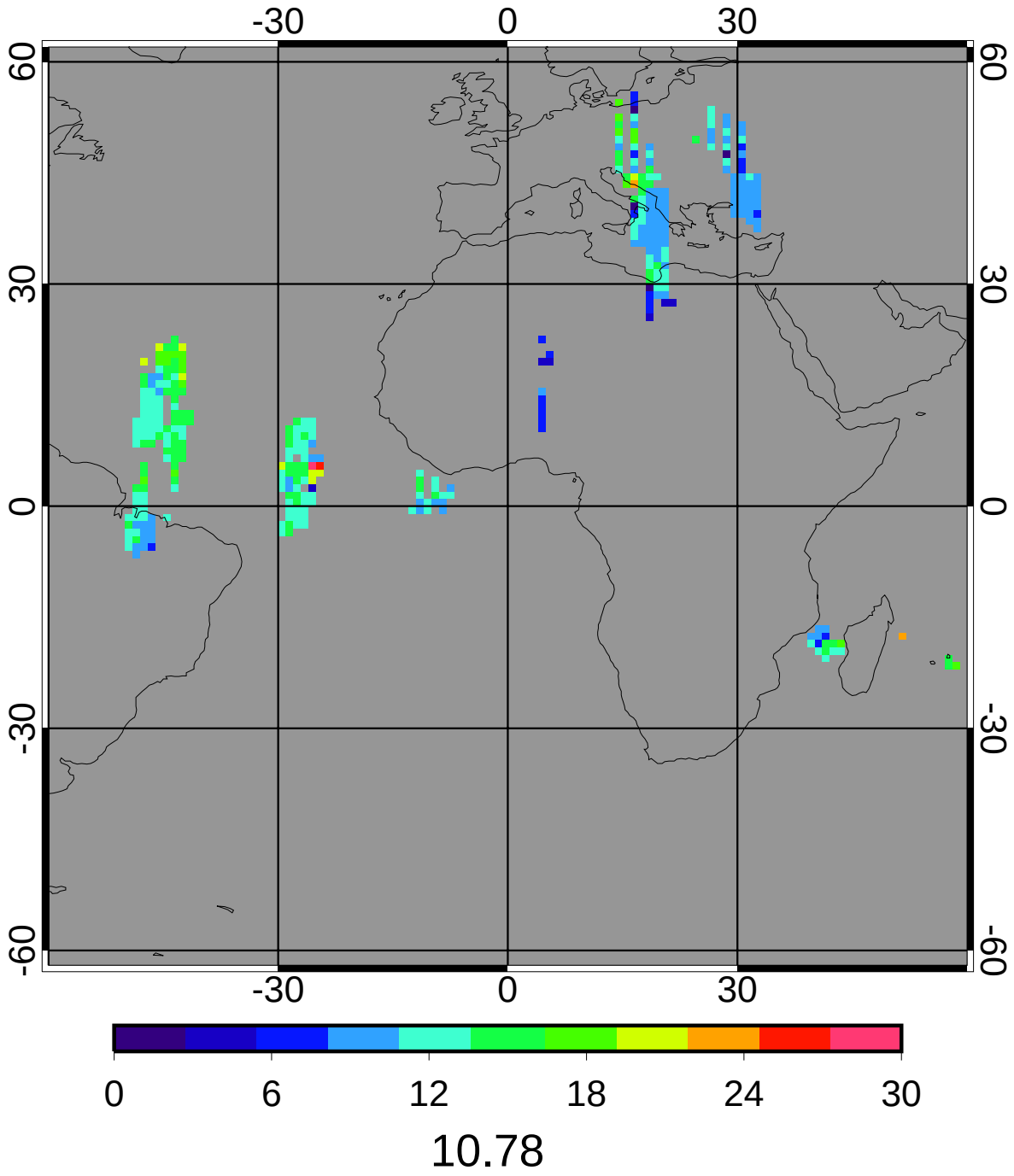
GGEO MEAN Daytime Liquid Particle Size (microns)

5ch Jan 2010 (matched angle) (lapse rate)



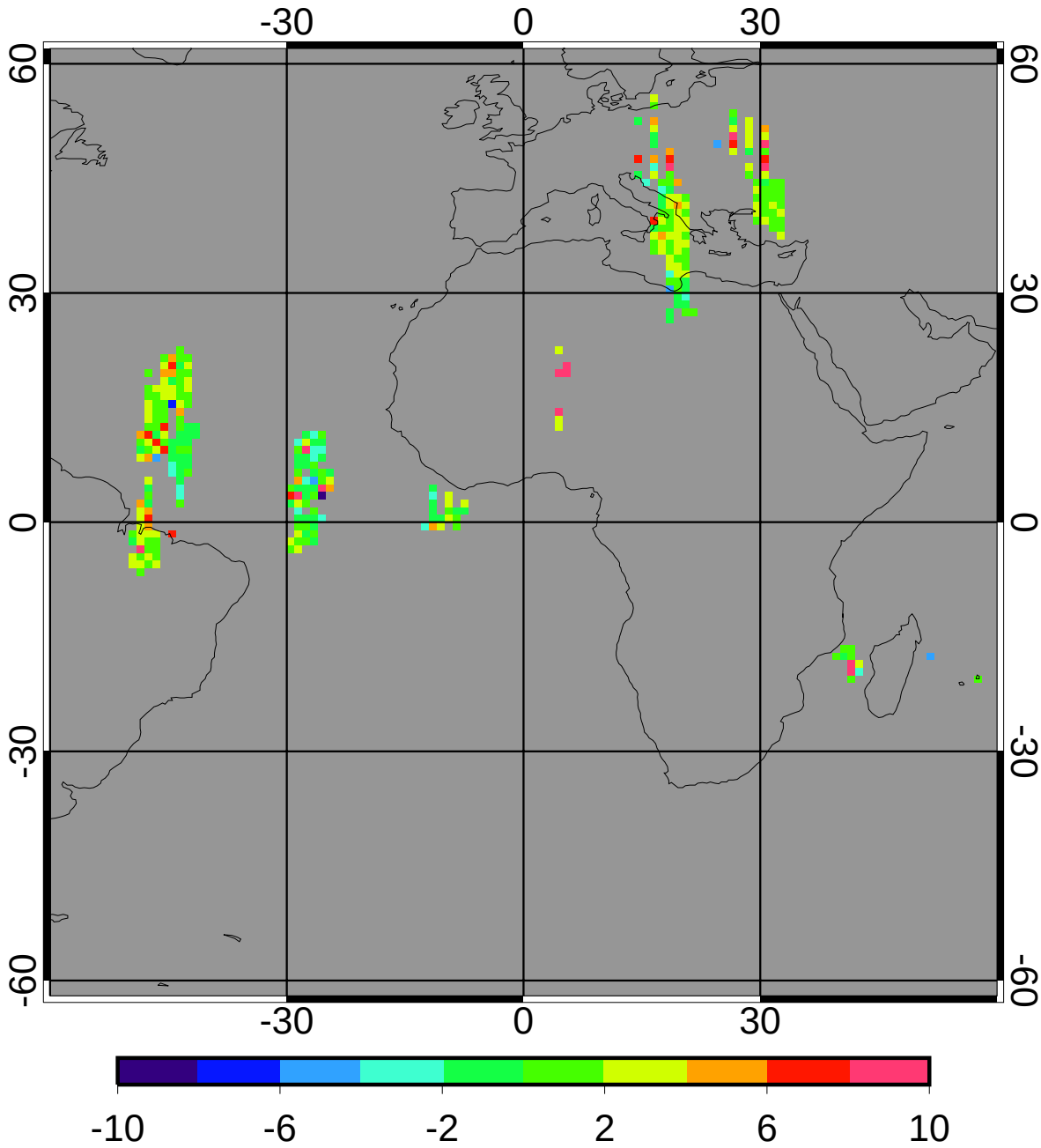
CERES/Terra MEAN Daytime Liquid Particle Size (microns)

5ch Jan 2010 (matched angle) (lapse rate)



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

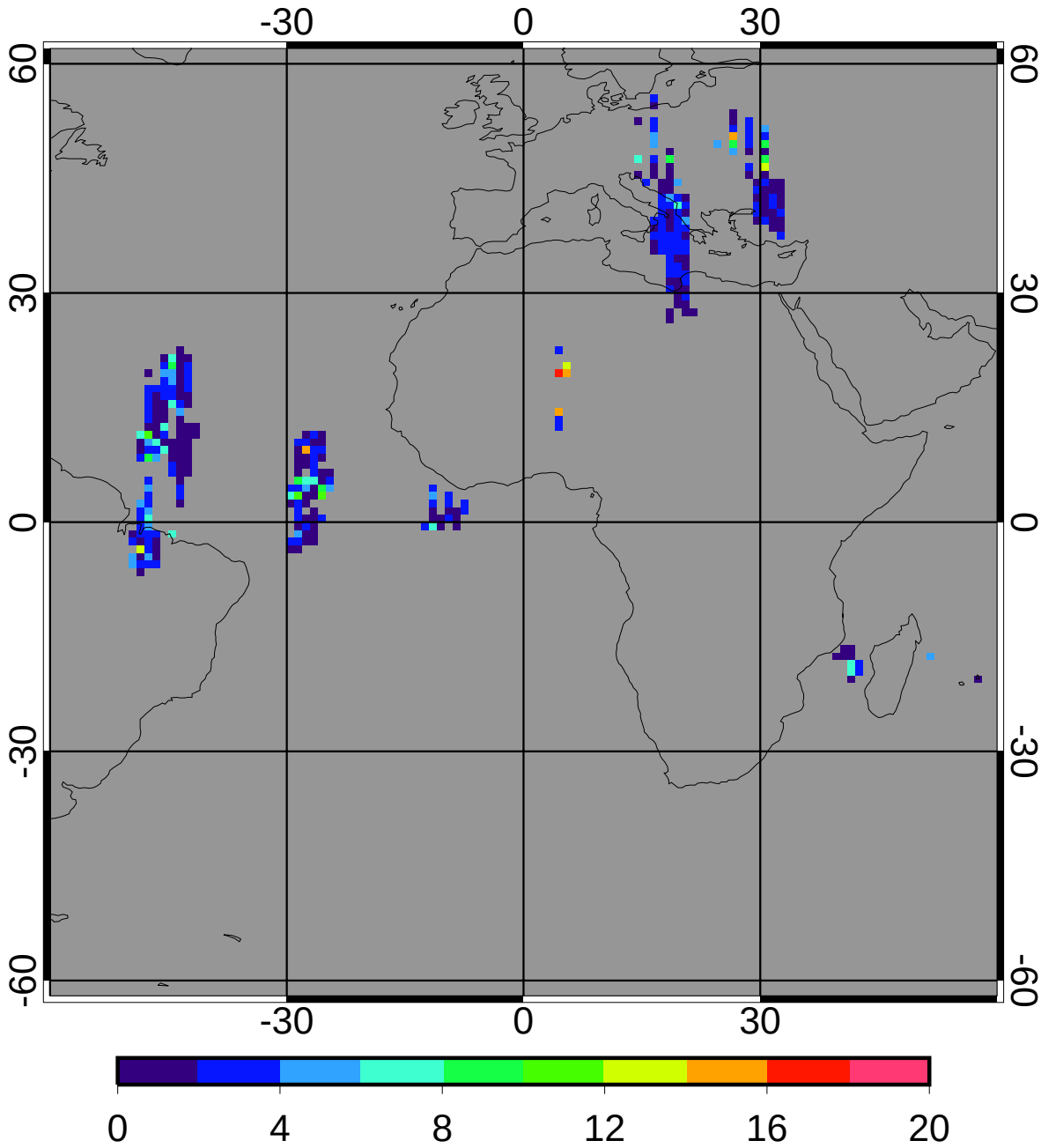
5ch Jan 2010 (matched angle) (lapse rate)



bias	1.19	11.08%
domain sigma	2.85	26.48%

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

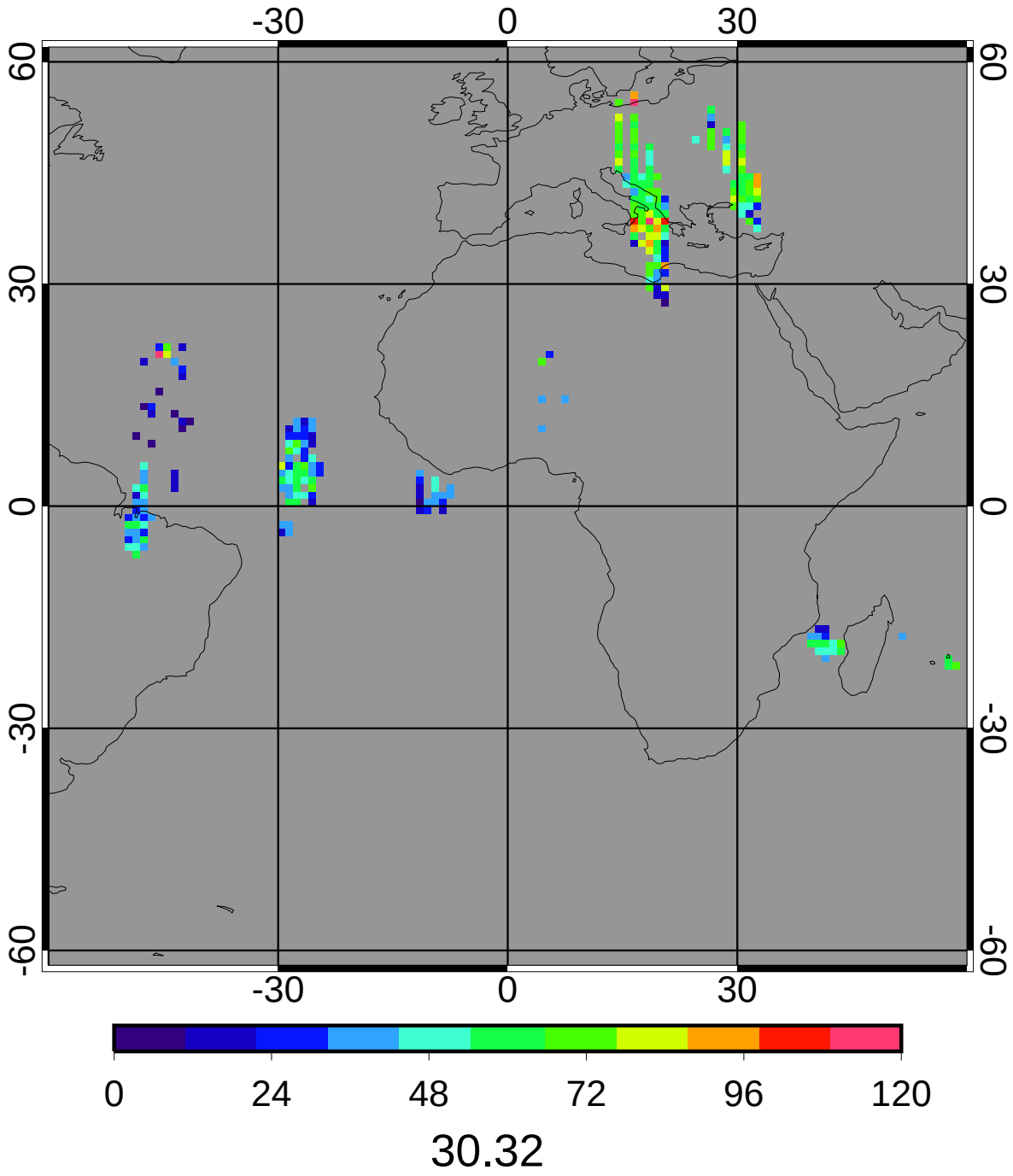
5ch Jan 2010 (matched angle) (lapse rate)



regave rms	2.26	20.96%
domain rms	3.66	33.92%

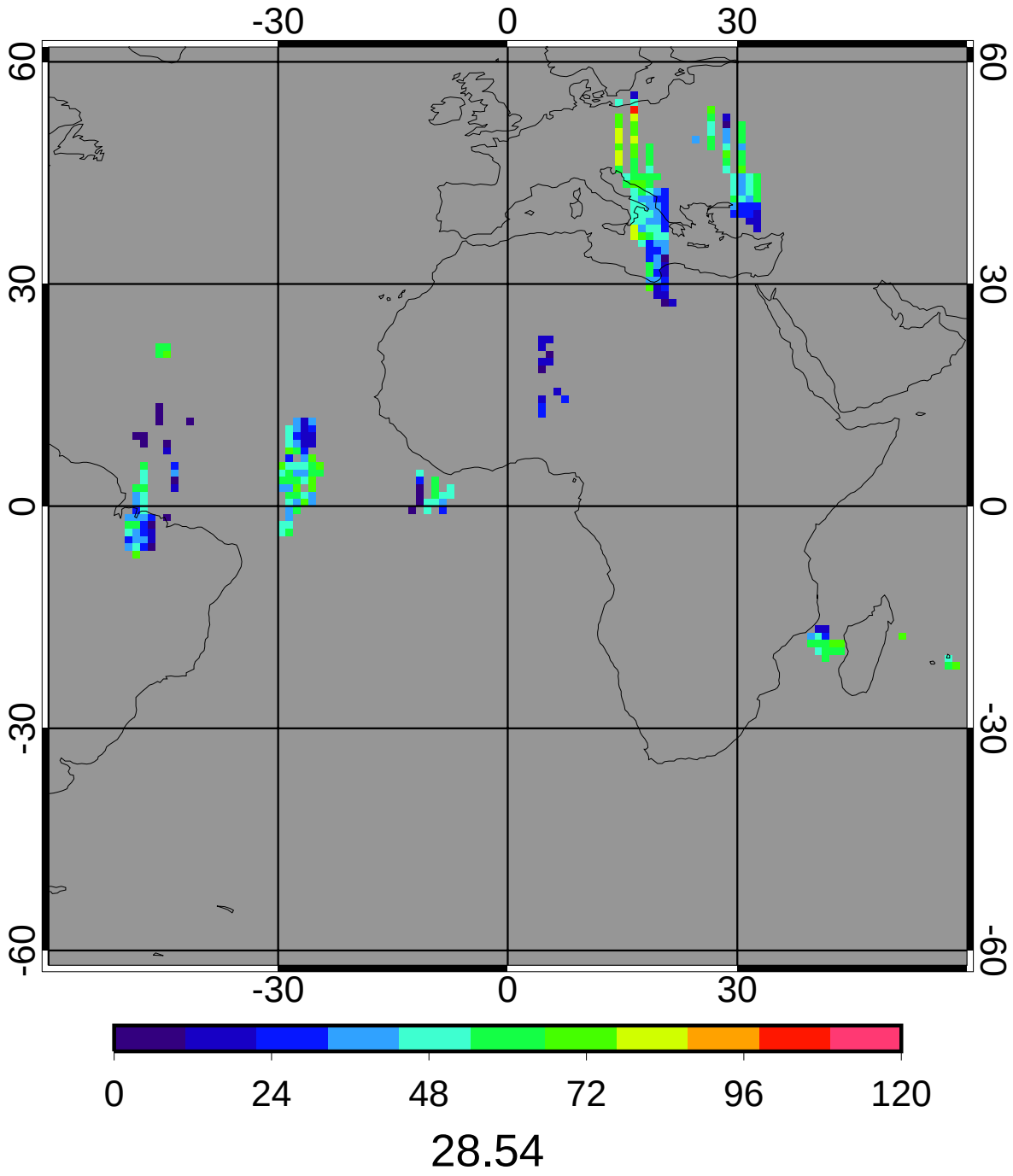
GGEO MEAN Daytime Ice Particle Size (microns)

5ch Jan 2010 (matched angle) (lapse rate)



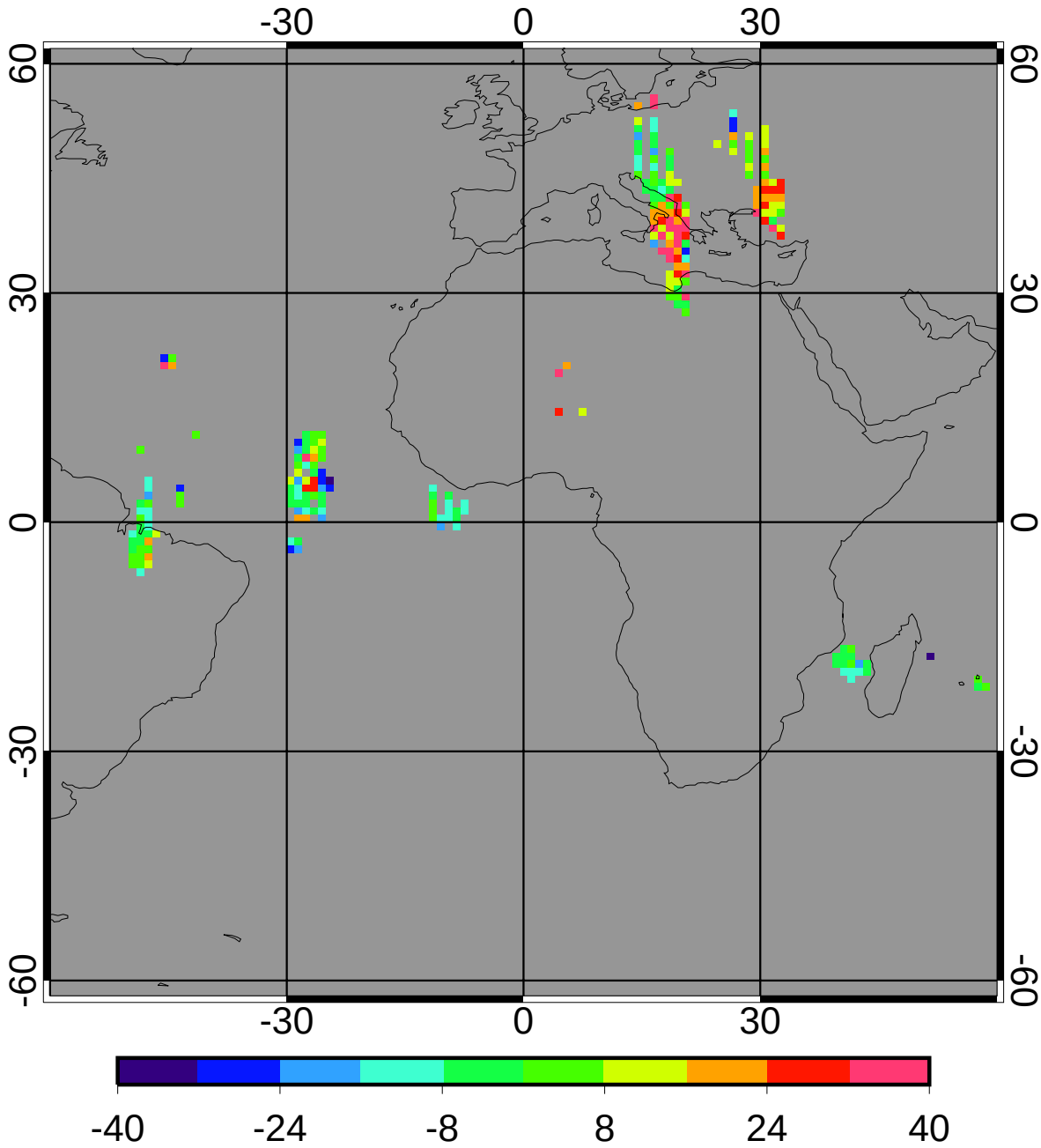
CERES/Terra MEAN Daytime Ice Particle Size (microns)

5ch Jan 2010 (matched angle) (lapse rate)



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

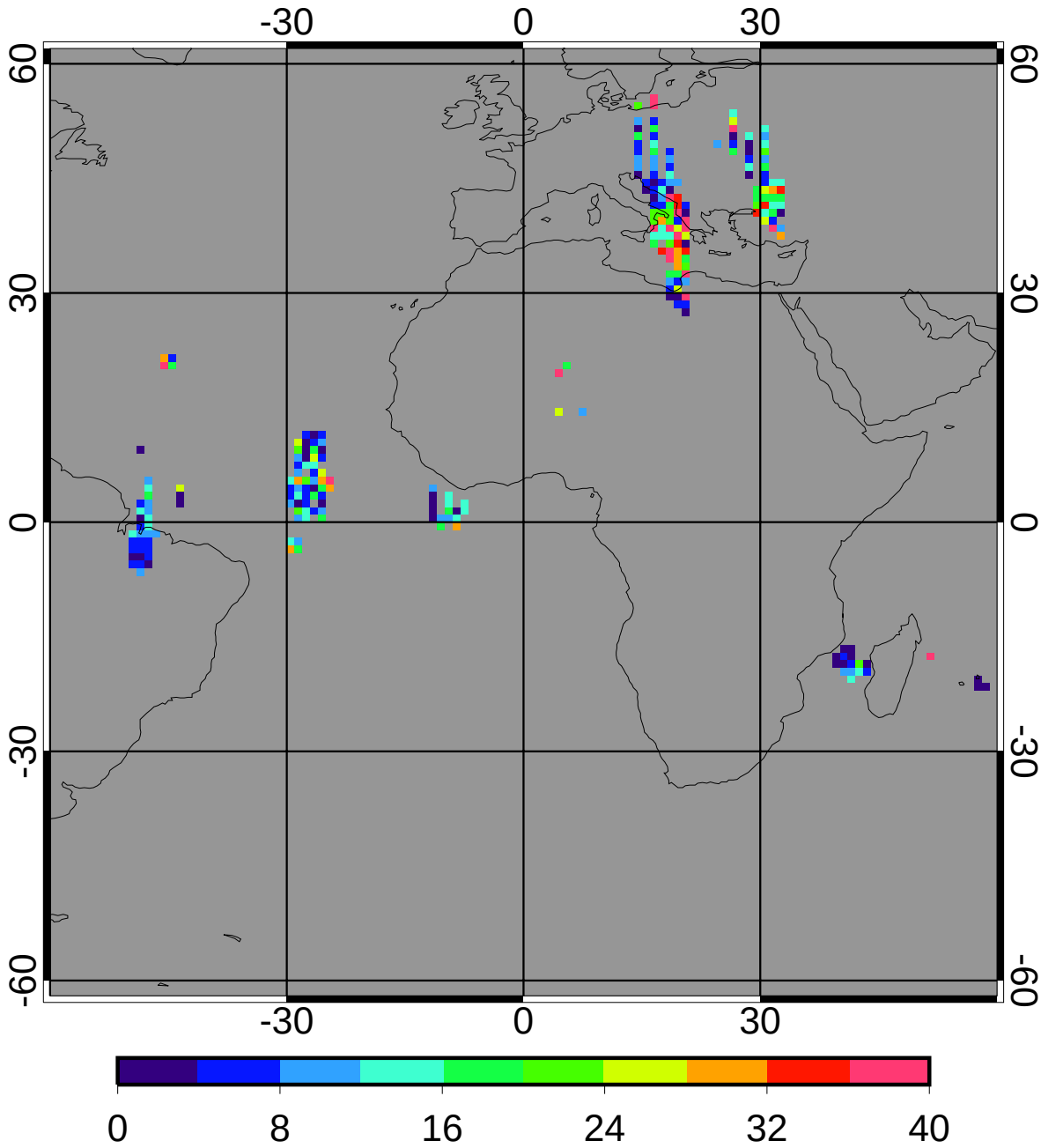
5ch Jan 2010 (matched angle) (lapse rate)



bias	2.87	10.04%
domain sigma	16.81	58.90%

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

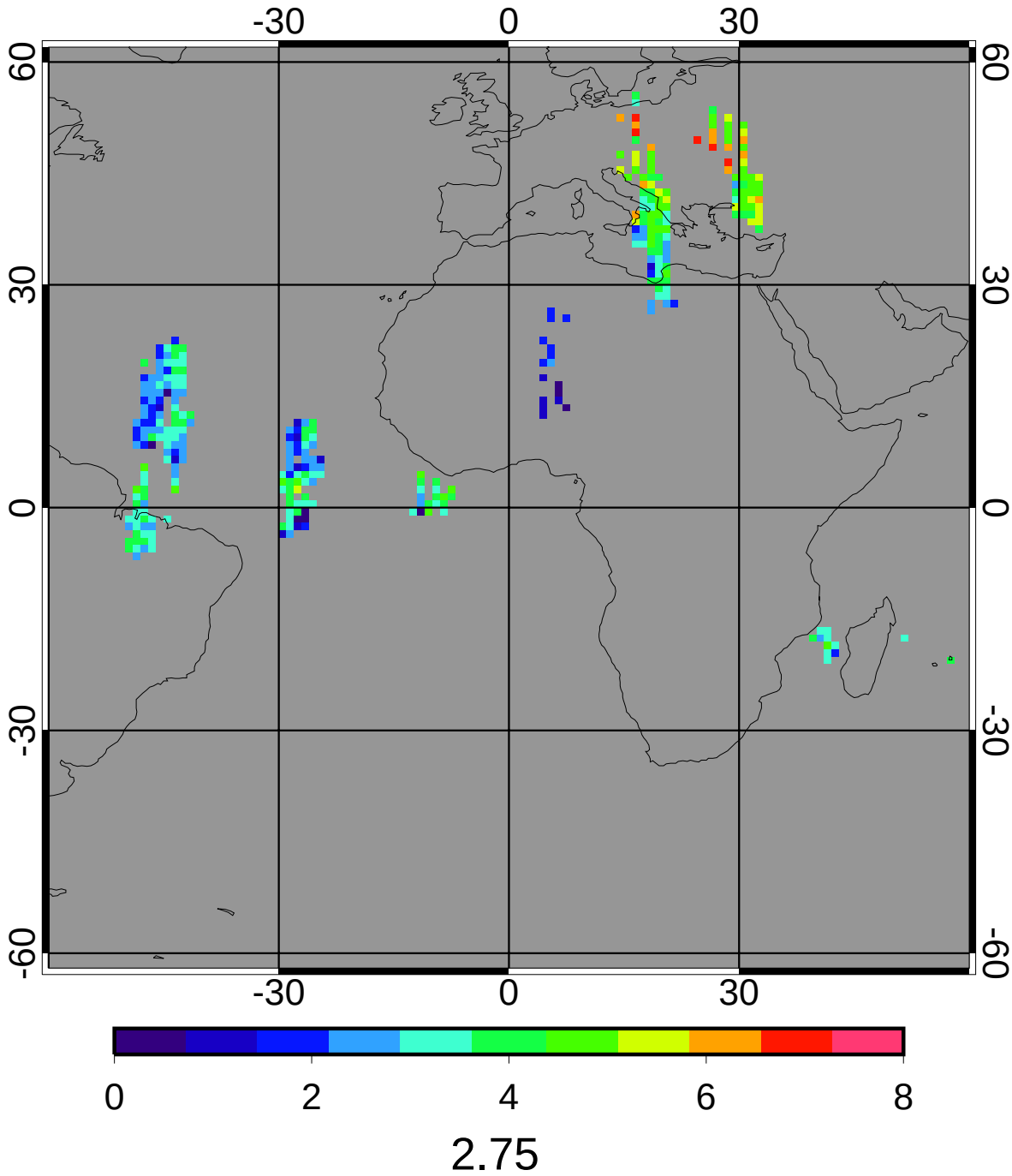
5ch Jan 2010 (matched angle) (lapse rate)



regave rms	8.78	30.77%
domain rms	18.85	66.06%

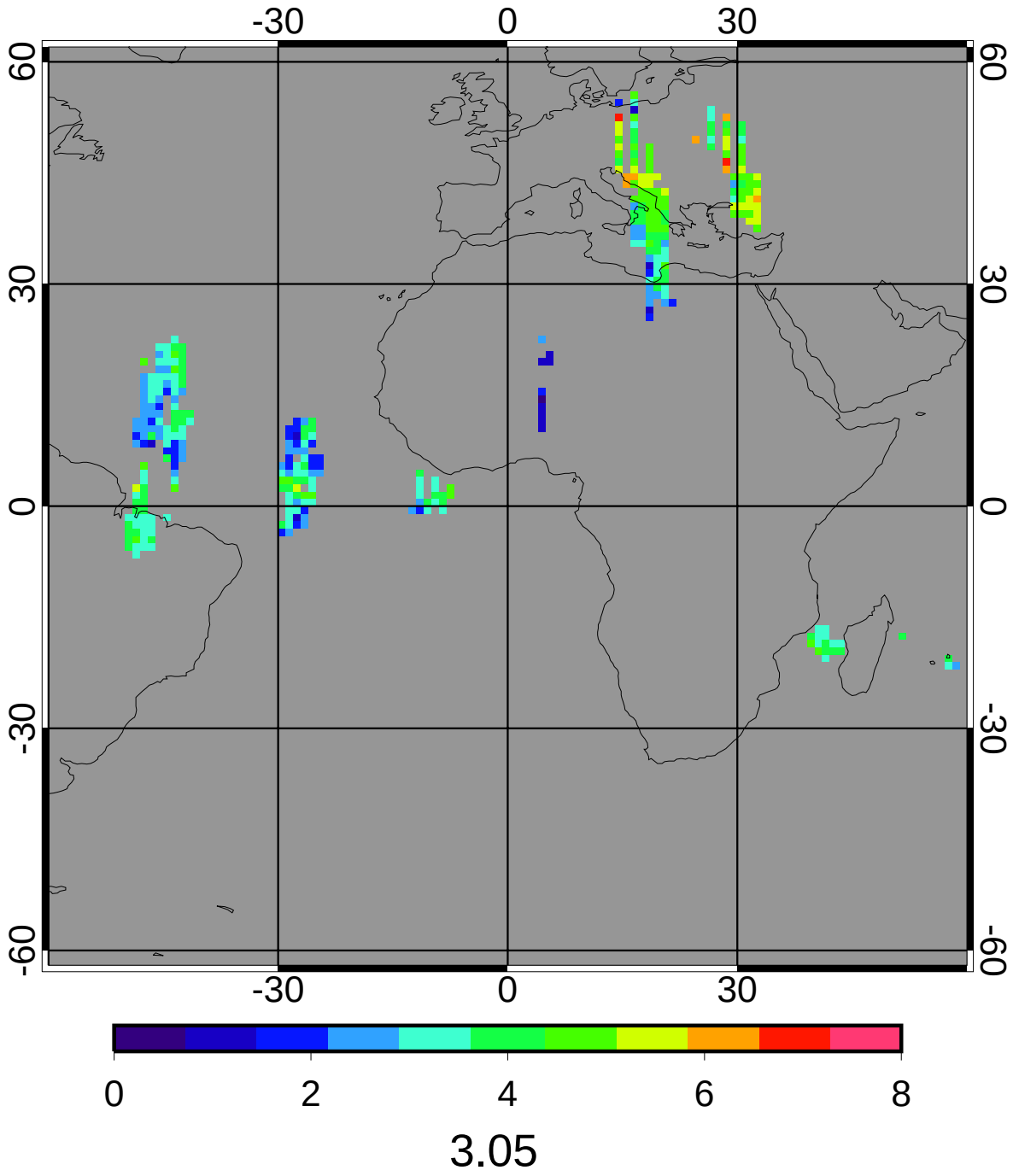
GGEO MEAN Daytime Log Liquid Water Path (g/m2)

5ch Jan 2010 (matched angle) (lapse rate)



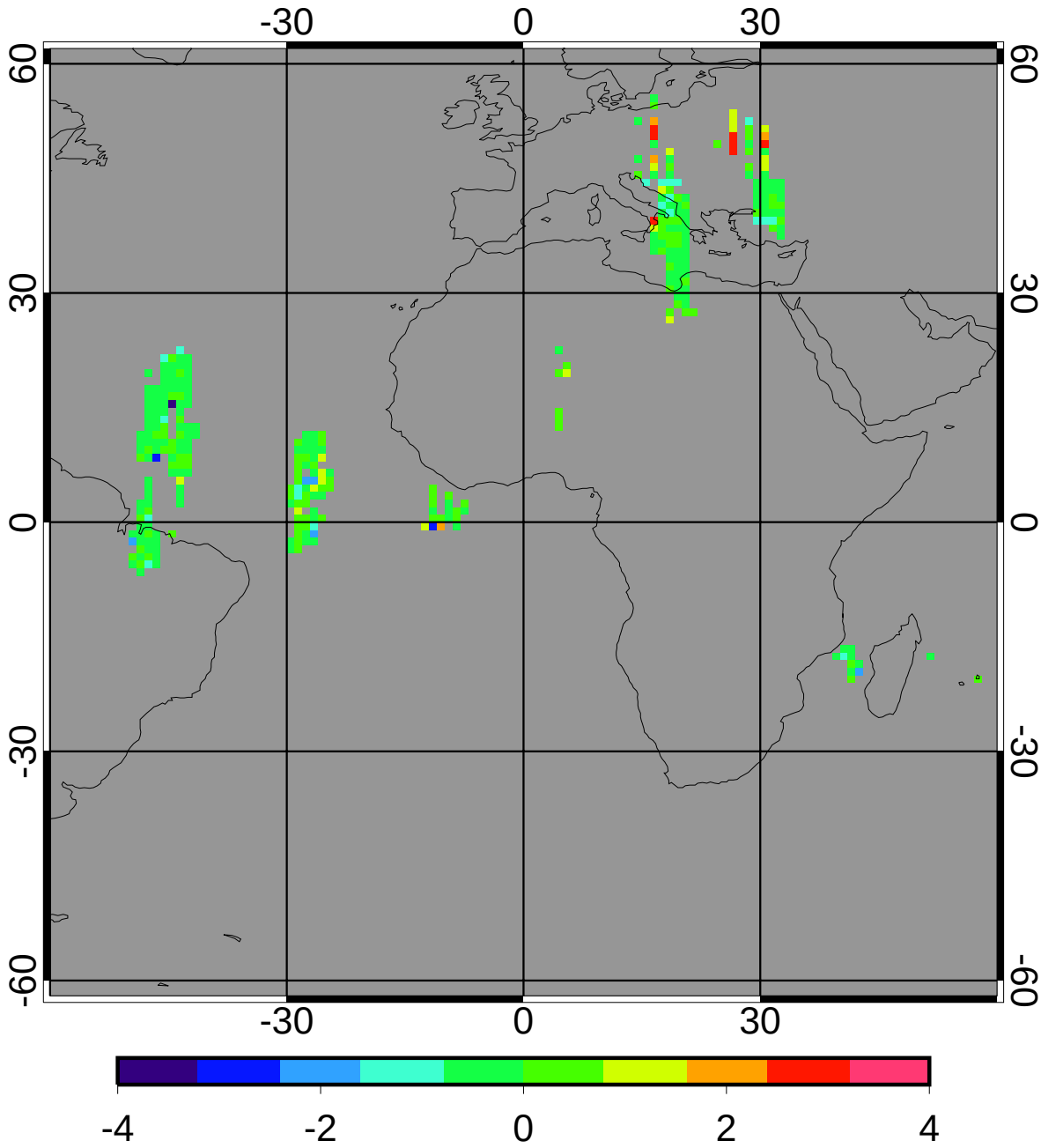
CERES/Terra MEAN Daytime Log Liquid Water Path (g/m2)

5ch Jan 2010 (matched angle) (lapse rate)



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

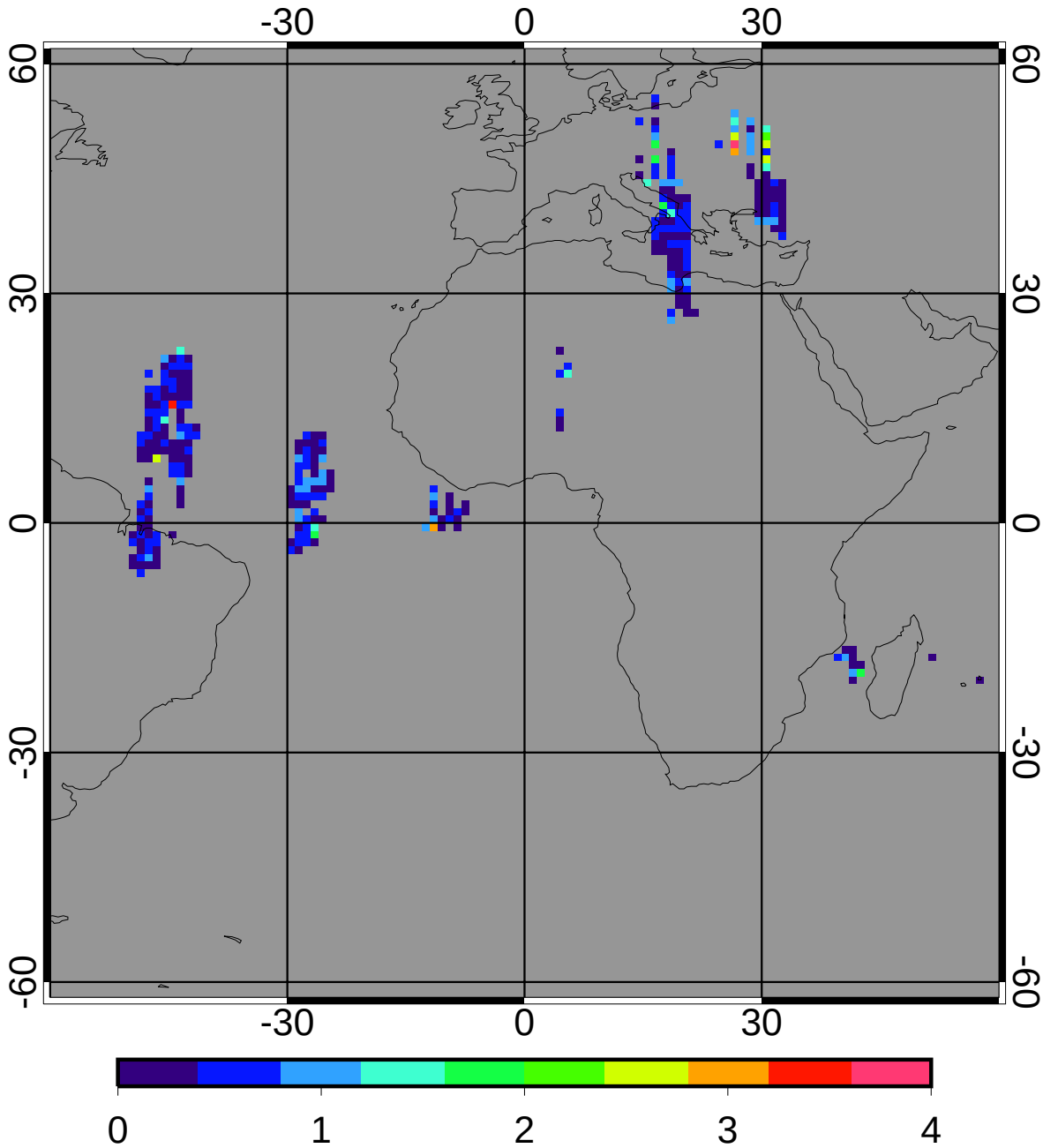
5ch Jan 2010 (matched angle) (lapse rate)



bias	-0.08	-2.48%
domain sigma	0.61	19.94%

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

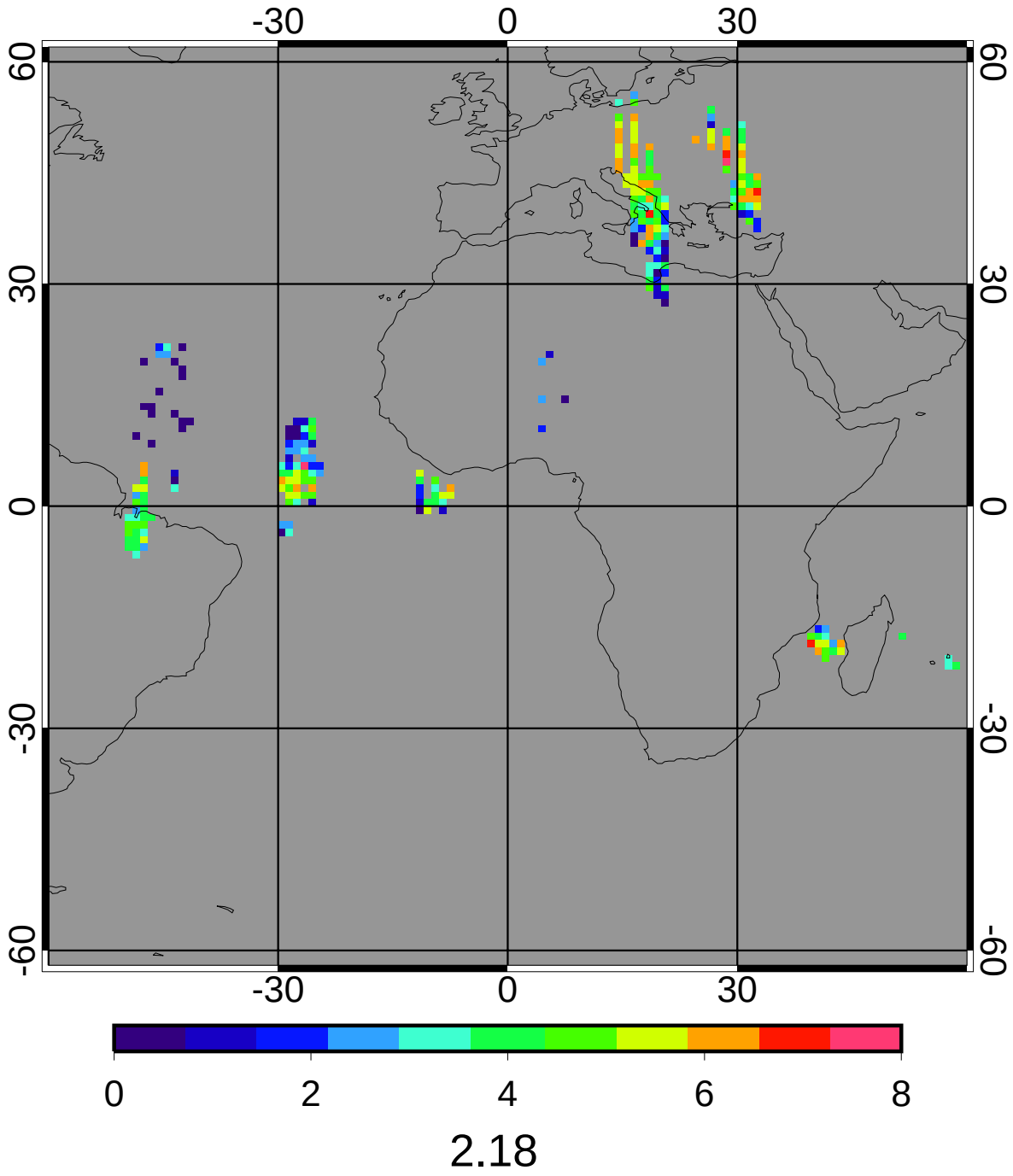
5ch Jan 2010 (matched angle) (lapse rate)



regave rms	0.41	13.42%
domain rms	0.66	21.54%

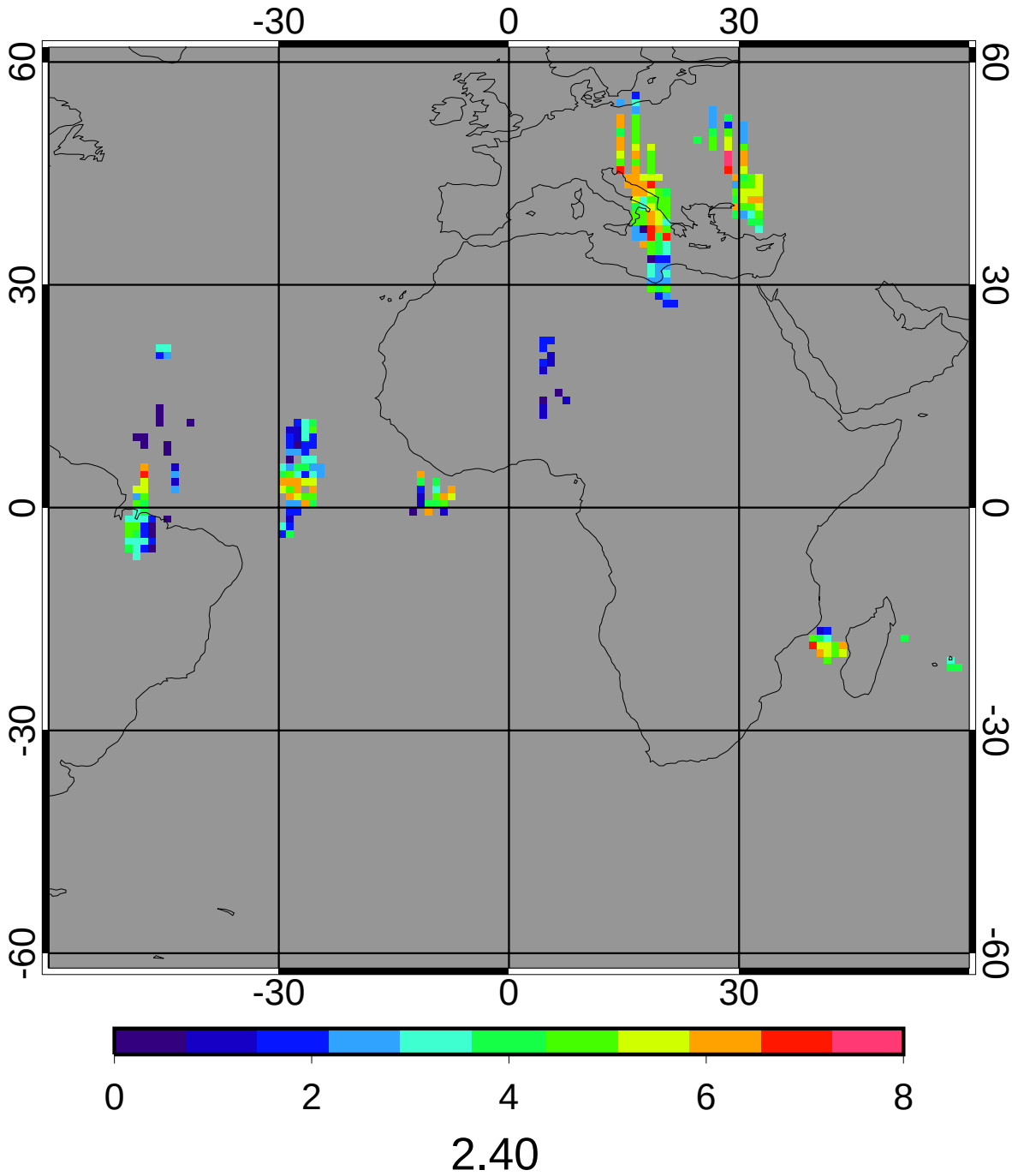
GGEO MEAN Daytime Log Ice Water Path (g/m2)

5ch Jan 2010 (matched angle) (lapse rate)



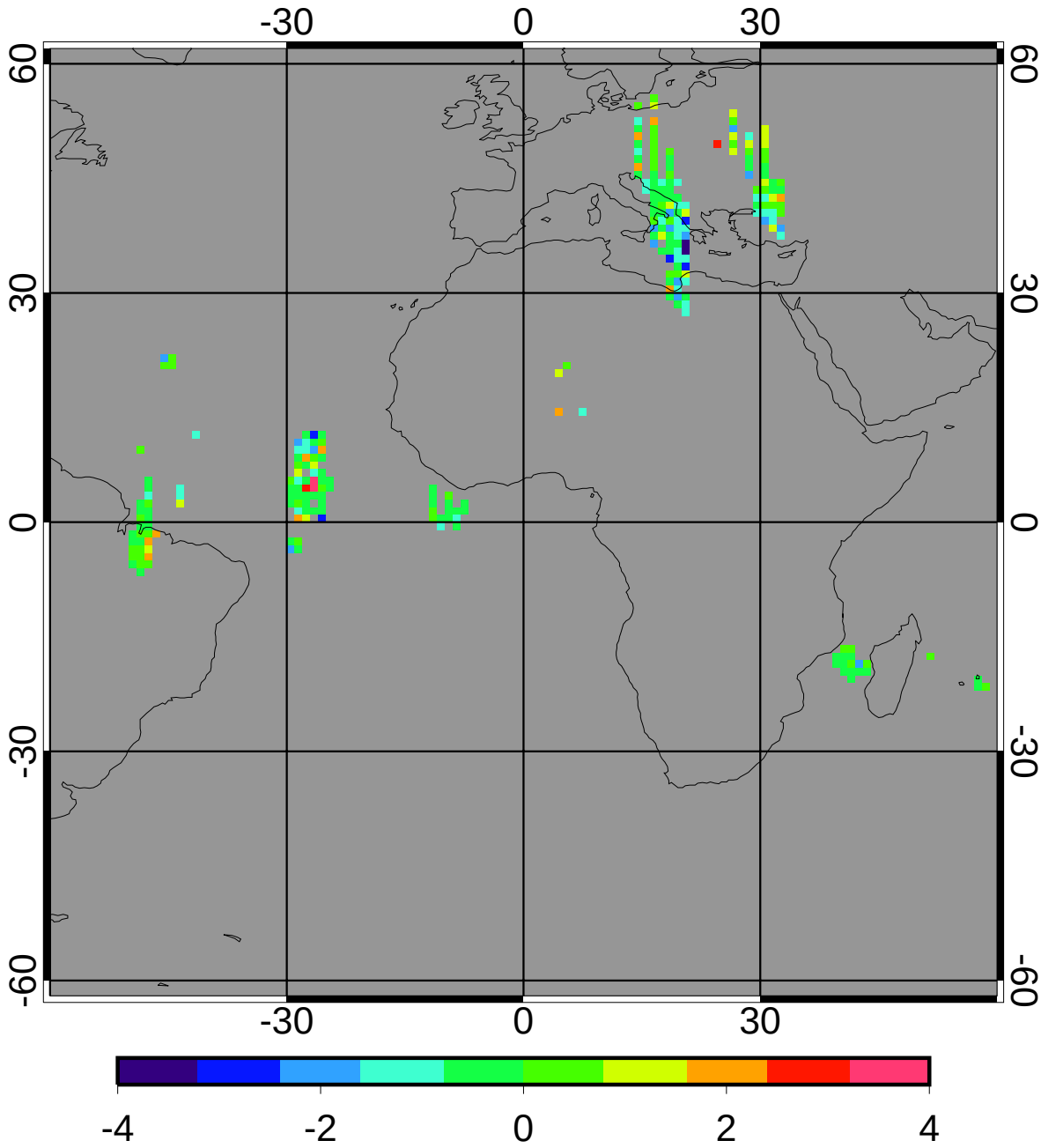
CERES/Terra MEAN Daytime Log Ice Water Path (g/m2)

5ch Jan 2010 (matched angle) (lapse rate)



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

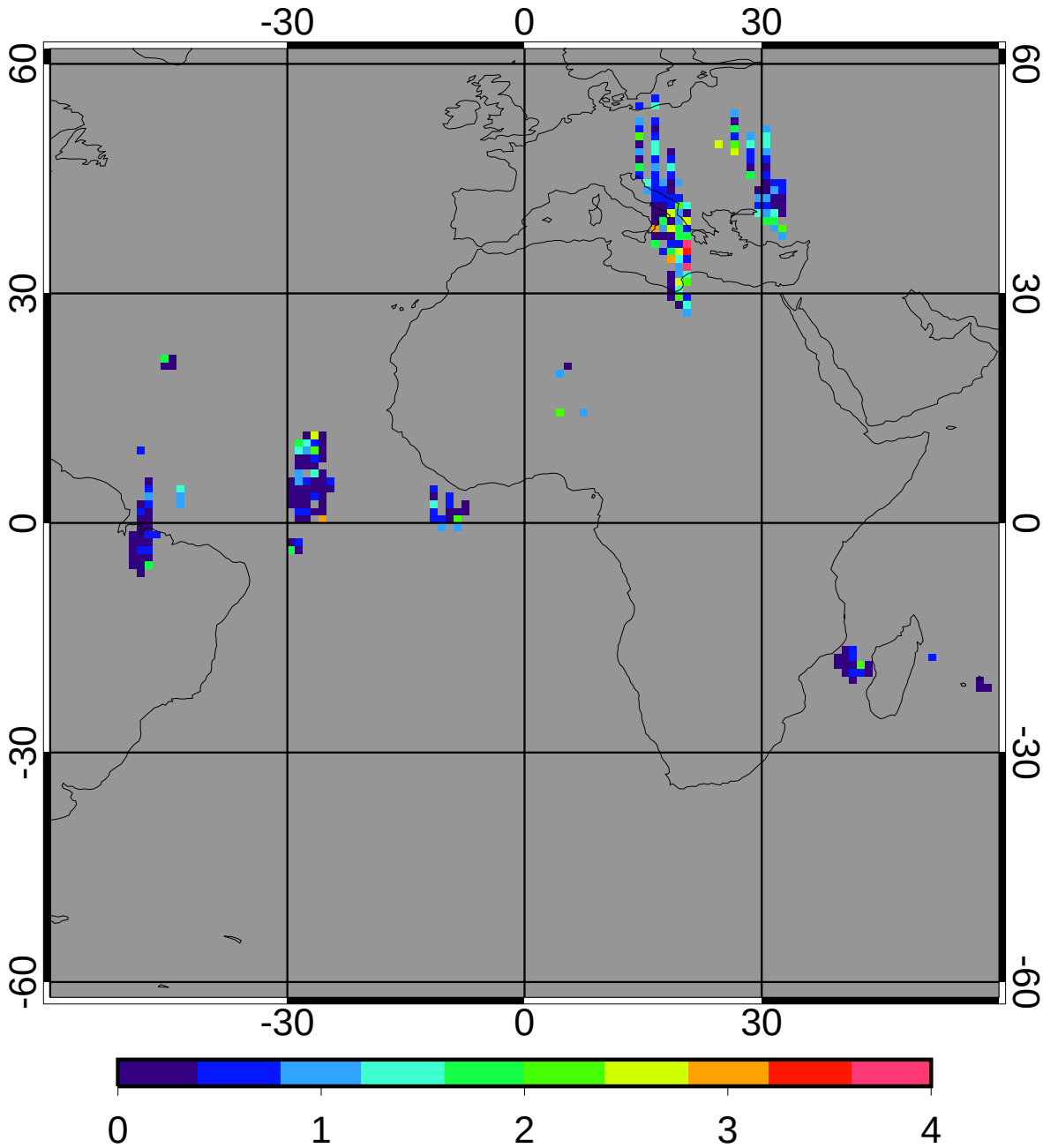
5ch Jan 2010 (matched angle) (lapse rate)



bias	-0.11	-4.77%
domain sigma	0.97	40.13%

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

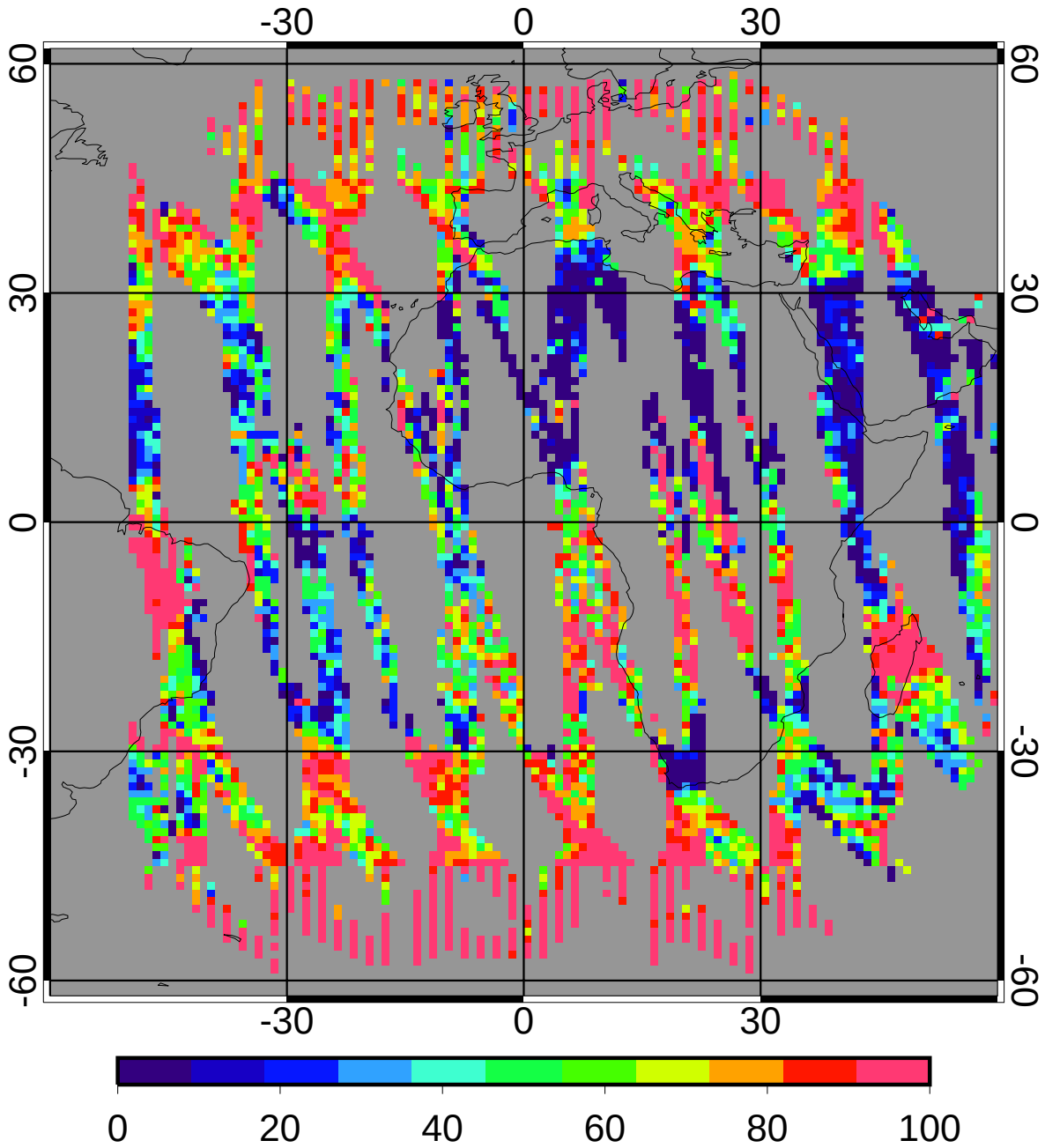
5ch Jan 2010 (matched angle) (lapse rate)



regave rms	0.46	19.23%
domain rms	1.05	43.77%

GGEO MEAN Nighttime Cloud Amount (%)

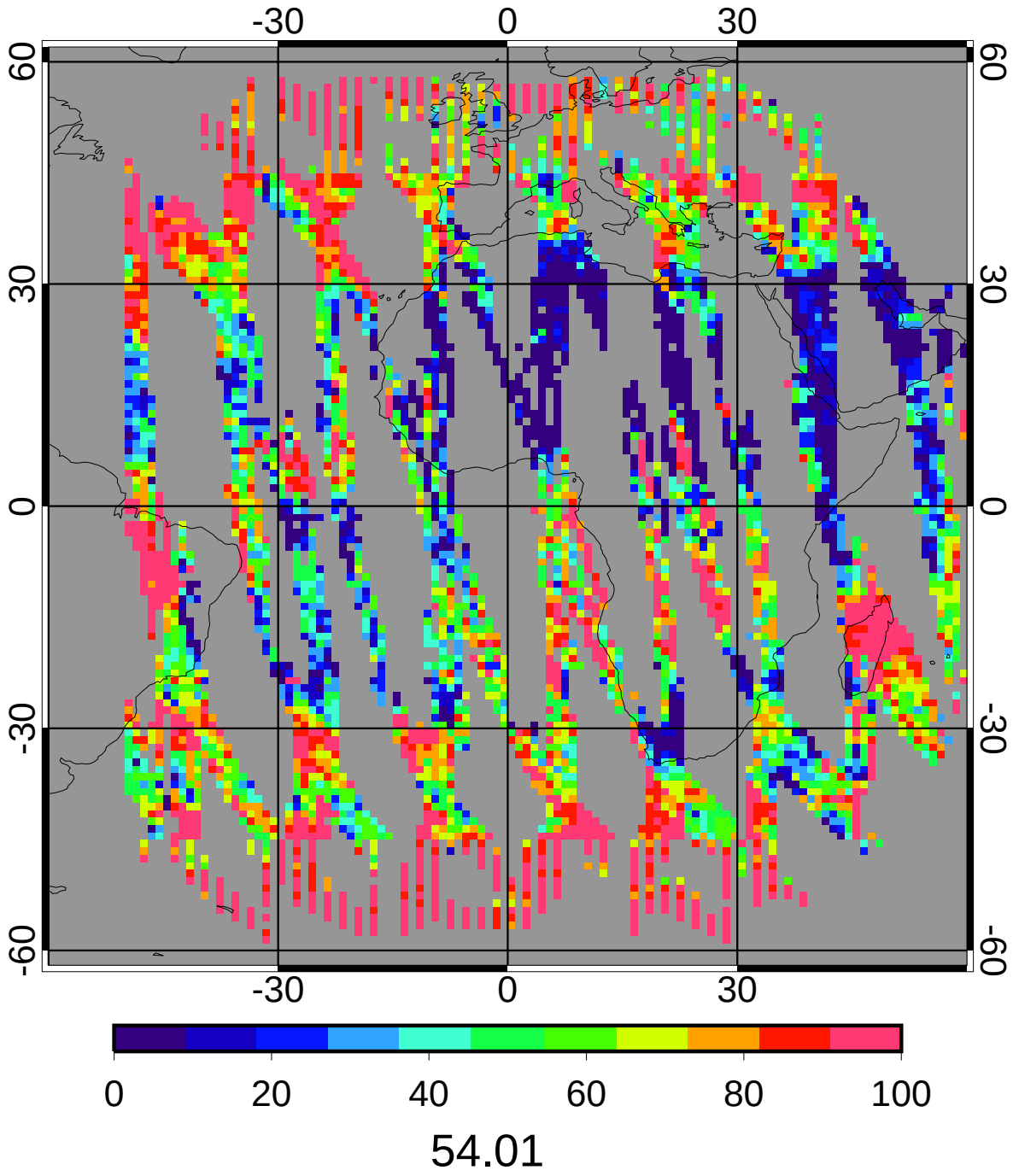
5ch Jan 2010 (matched angle) (lapse rate)



54.40

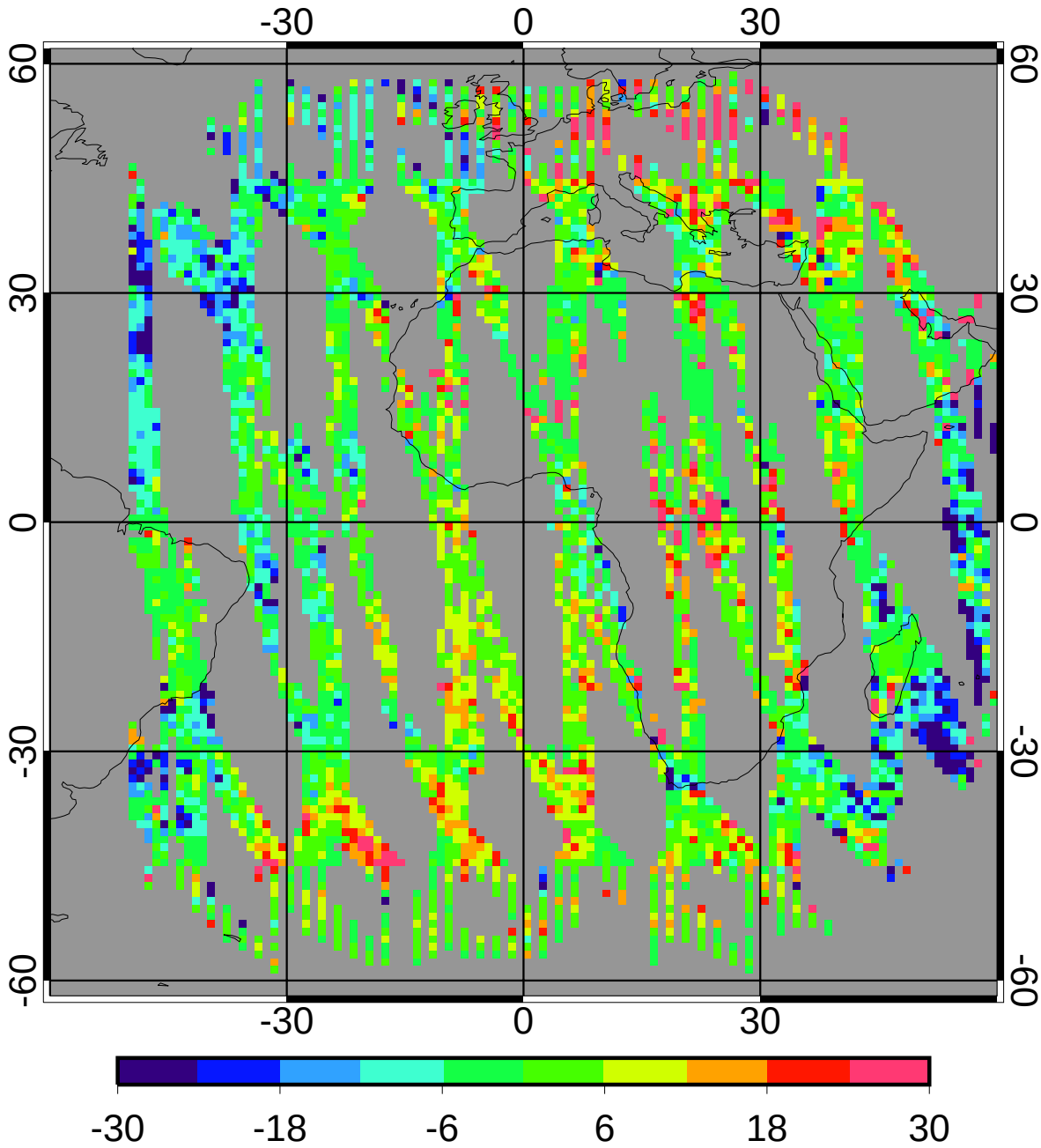
CERES/Terra MEAN Nighttime Cloud Amount (%)

5ch Jan 2010 (matched angle) (lapse rate)



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

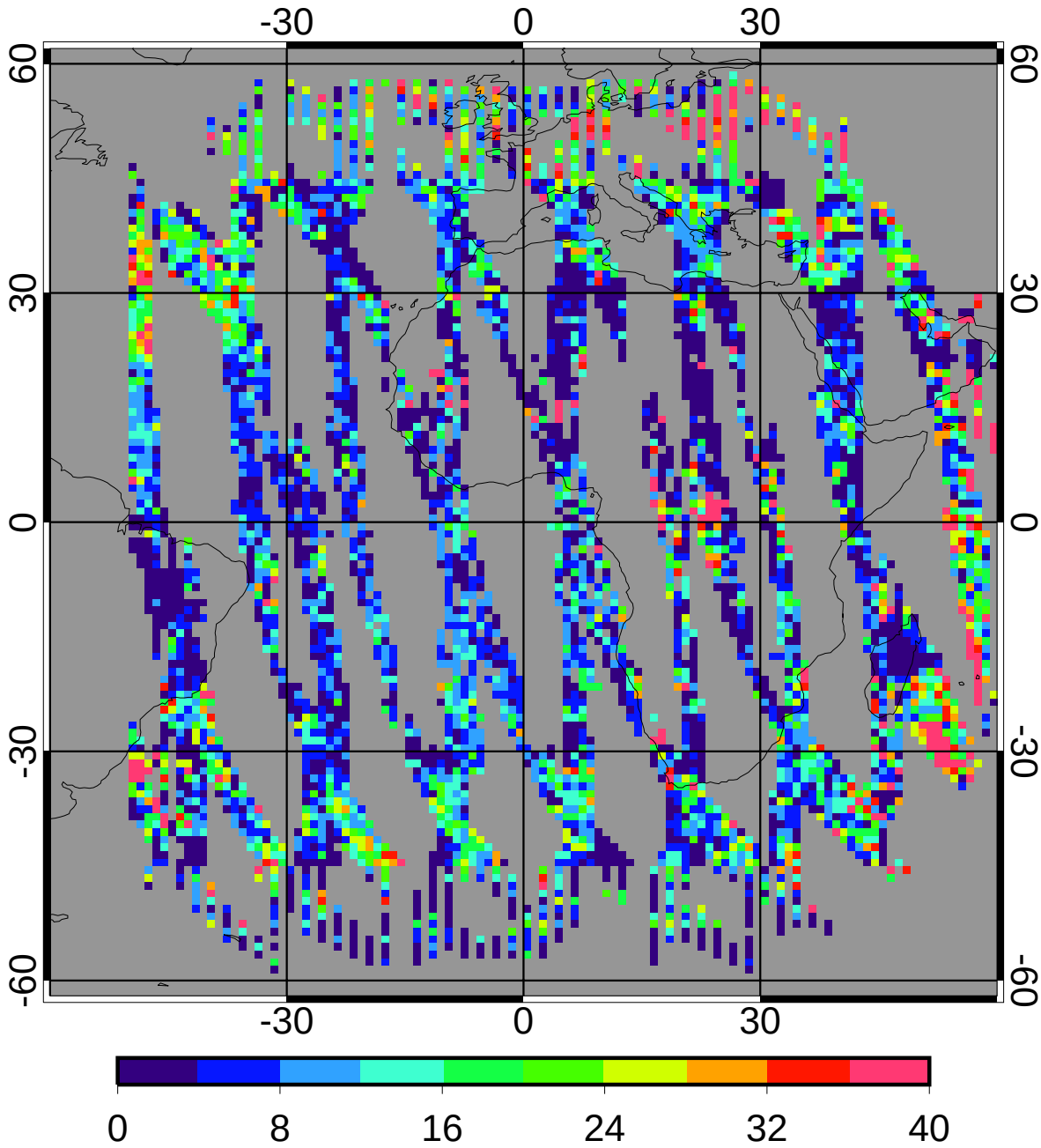
5ch Jan 2010 (matched angle) (lapse rate)



bias	0.40	0.73%
domain sigma	12.00	22.23%

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

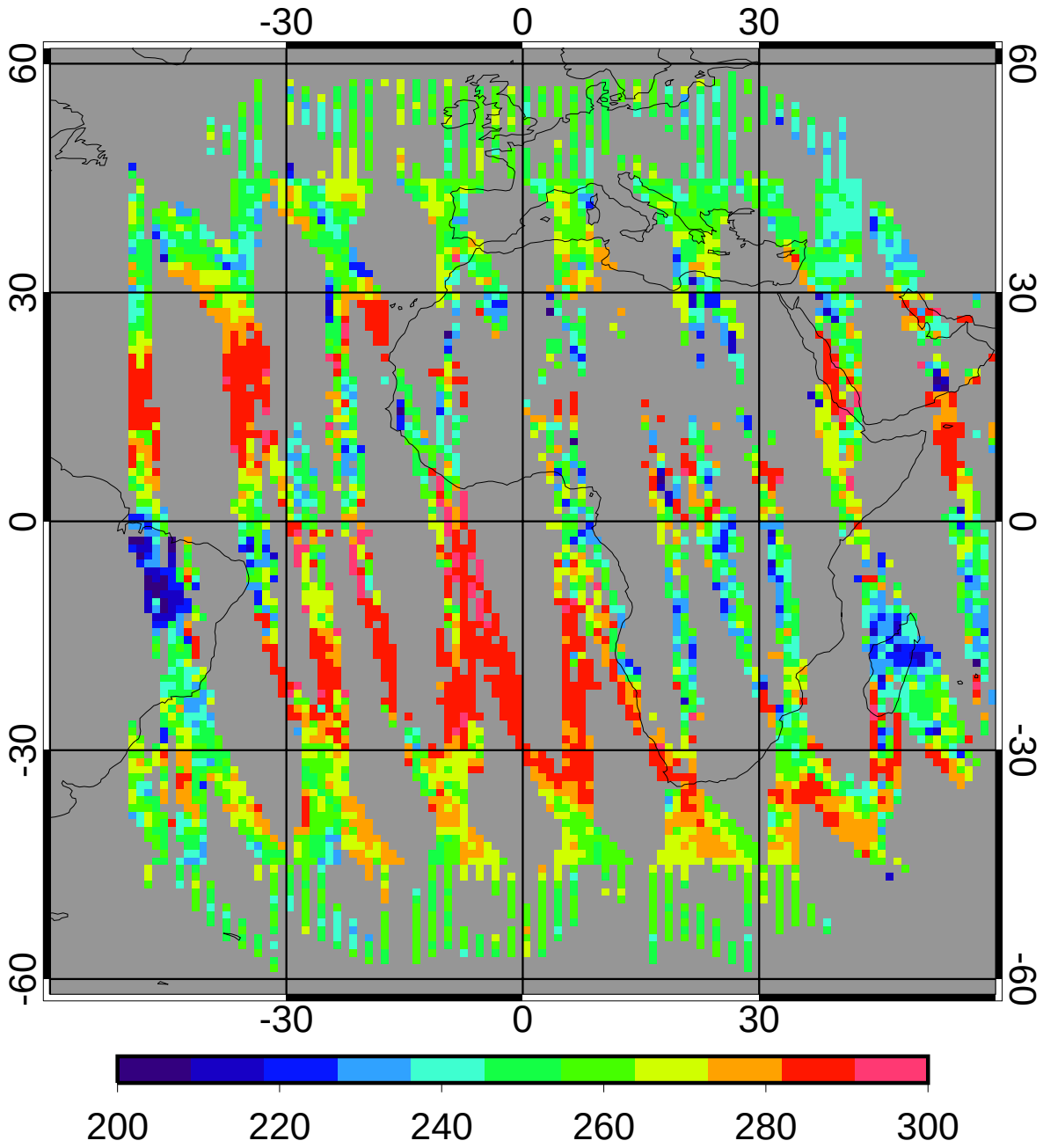
5ch Jan 2010 (matched angle) (lapse rate)



regave rms	11.22	20.78%
domain rms	15.23	28.19%

GGEO MEAN Nighttime Cloud Temperature (K)

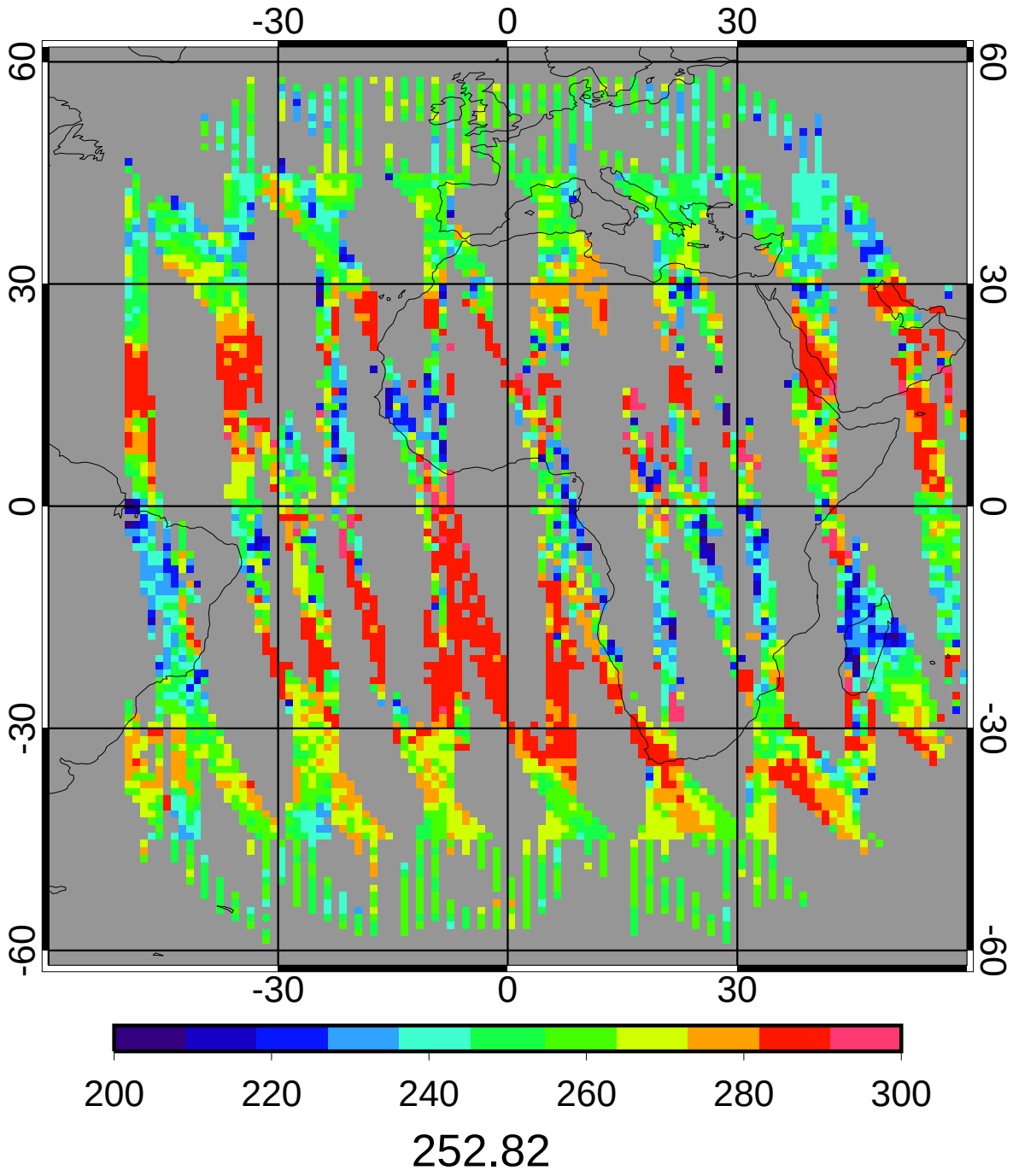
5ch Jan 2010 (matched angle) (lapse rate)



239.65

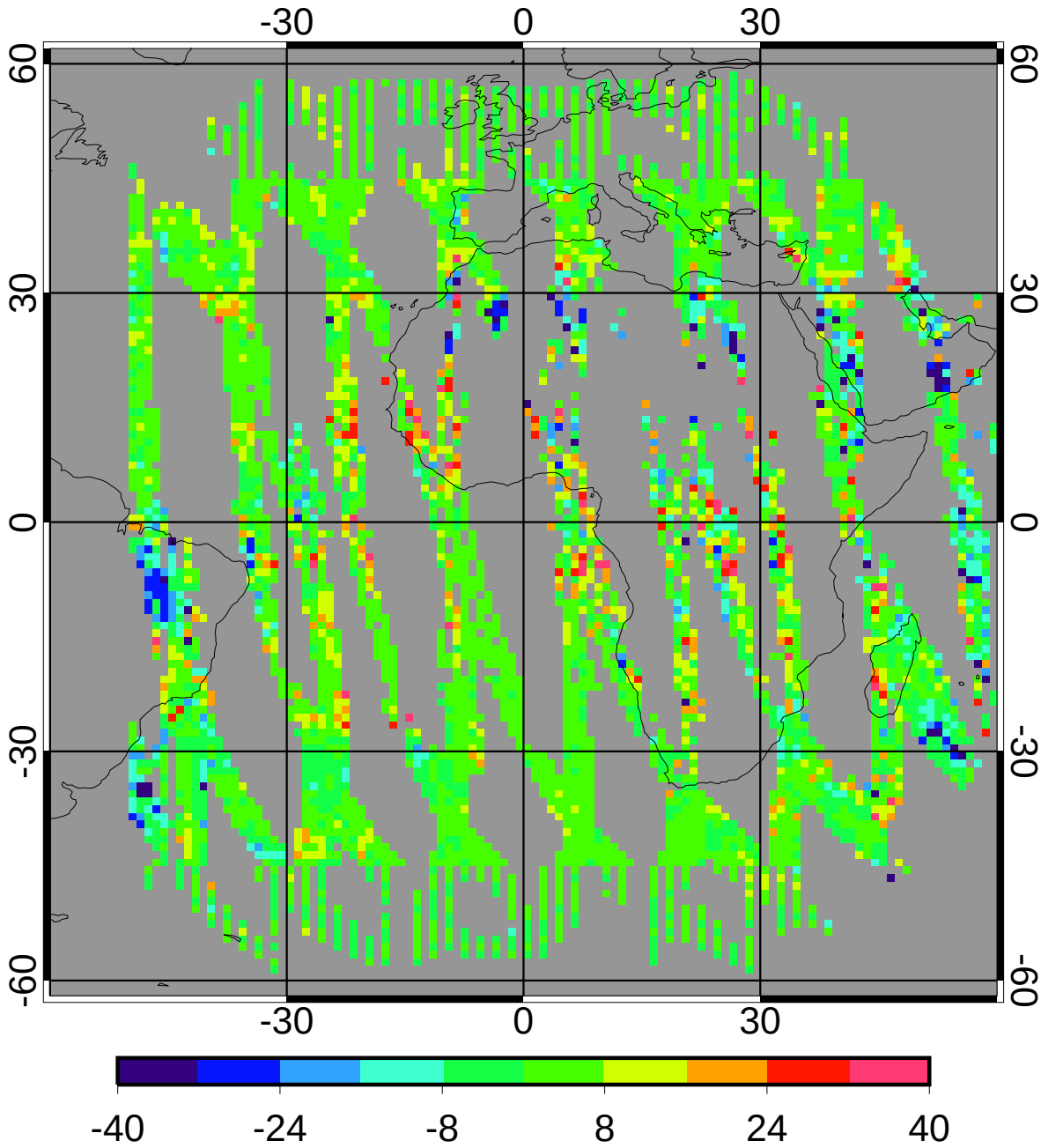
CERES/Terra MEAN Nighttime Cloud Temperature (K)

5ch Jan 2010 (matched angle) (lapse rate)



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

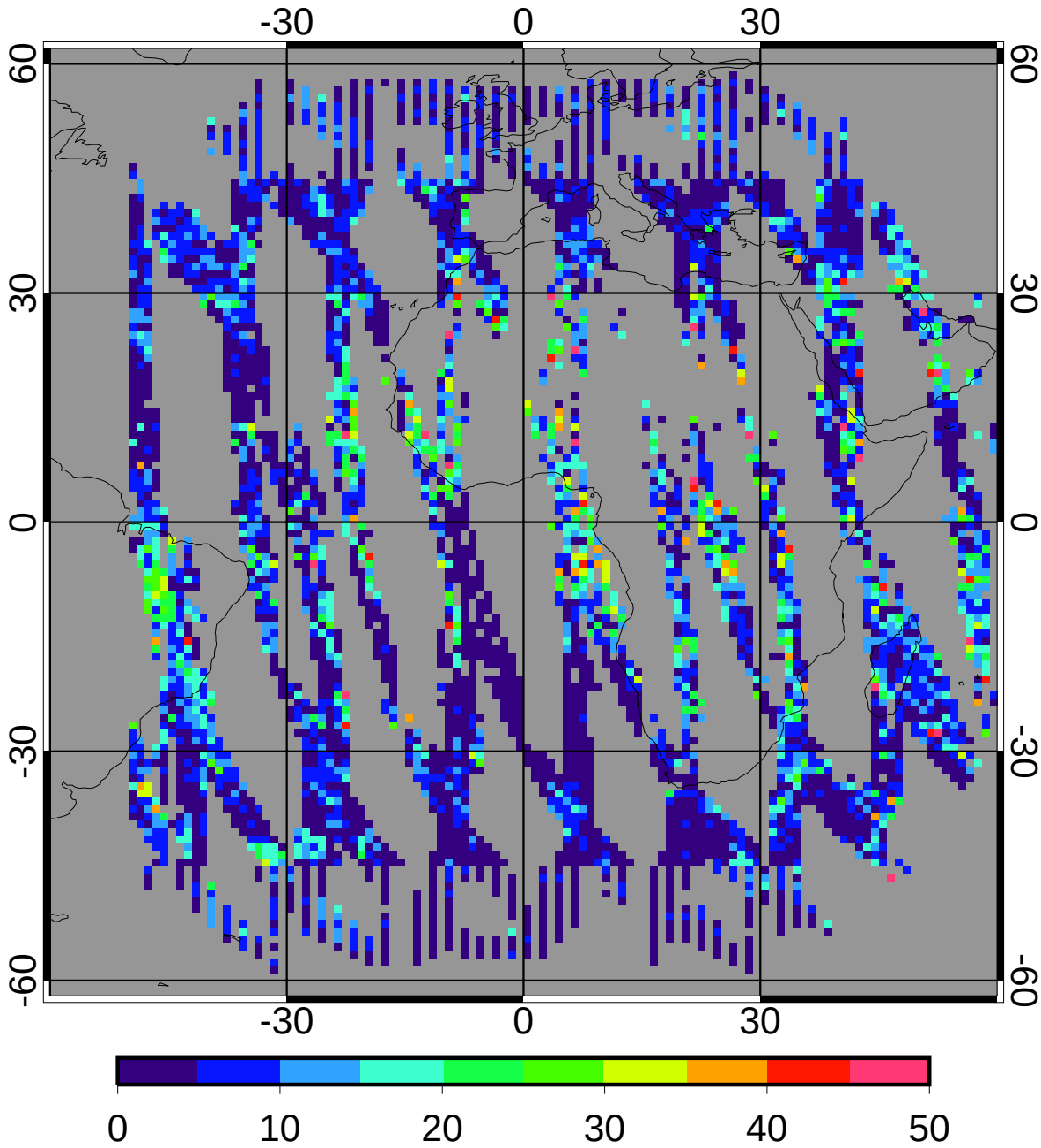
5ch Jan 2010 (matched angle) (lapse rate)



bias	1.41	0.56%
domain sigma	9.54	3.77%

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

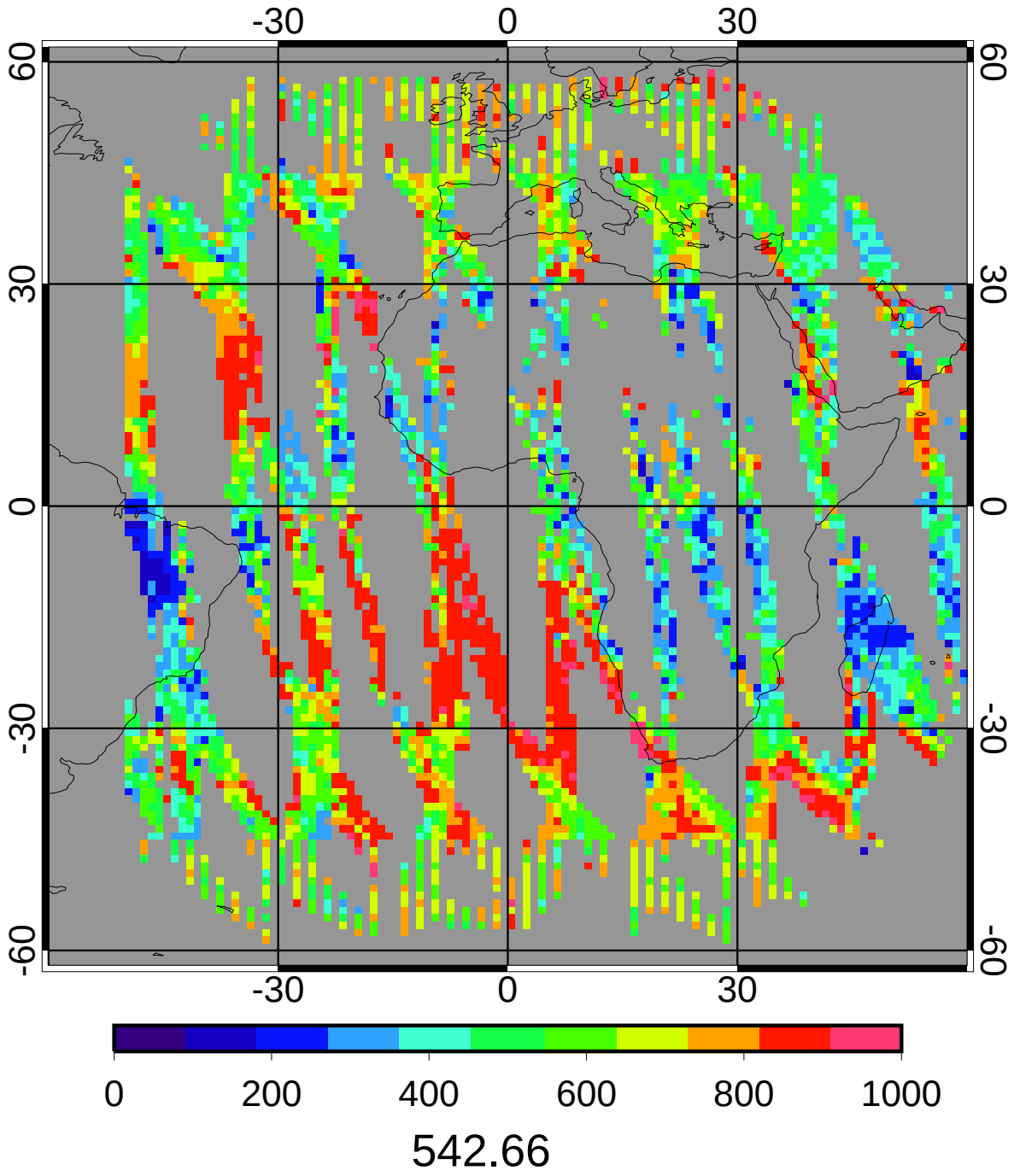
5ch Jan 2010 (matched angle) (lapse rate)



regave rms	7.58	3.00%
domain rms	9.97	3.94%

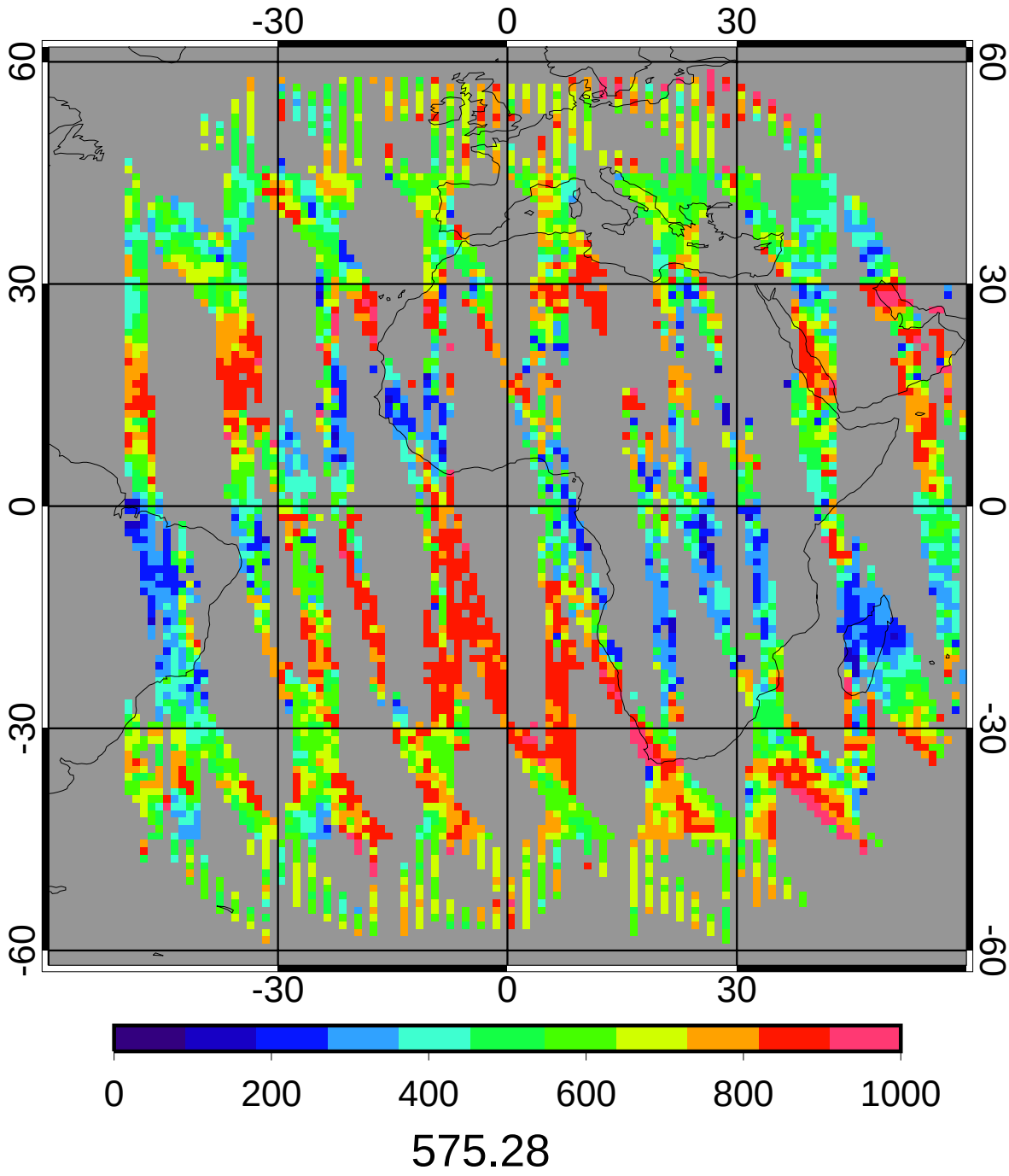
GGEO MEAN Nighttime Cloud Eff Pressure (mb)

5ch Jan 2010 (matched angle) (lapse rate)



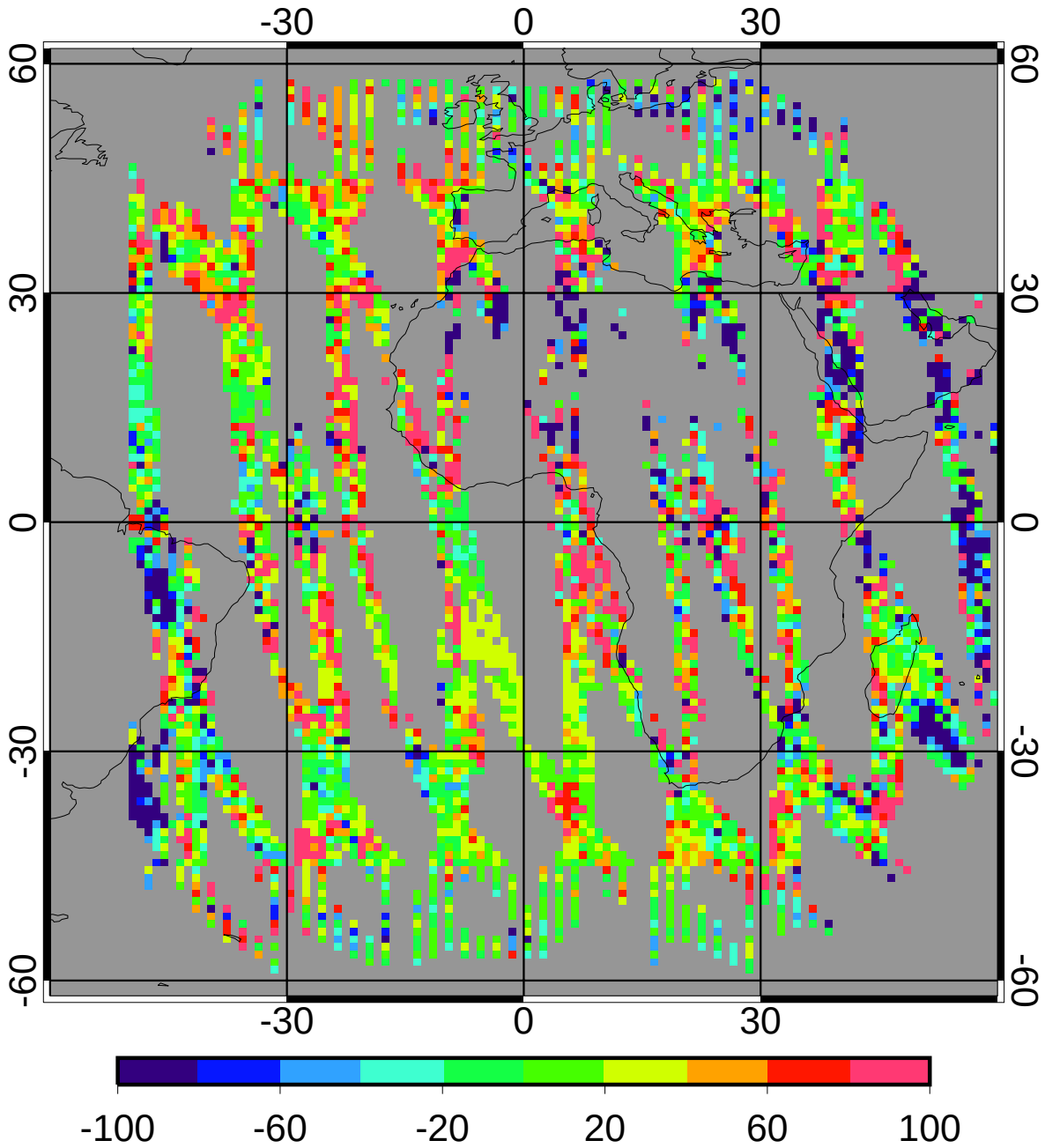
CERES/Terra MEAN Nighttime Cloud Eff Pressure (mb)

5ch Jan 2010 (matched angle) (lapse rate)



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

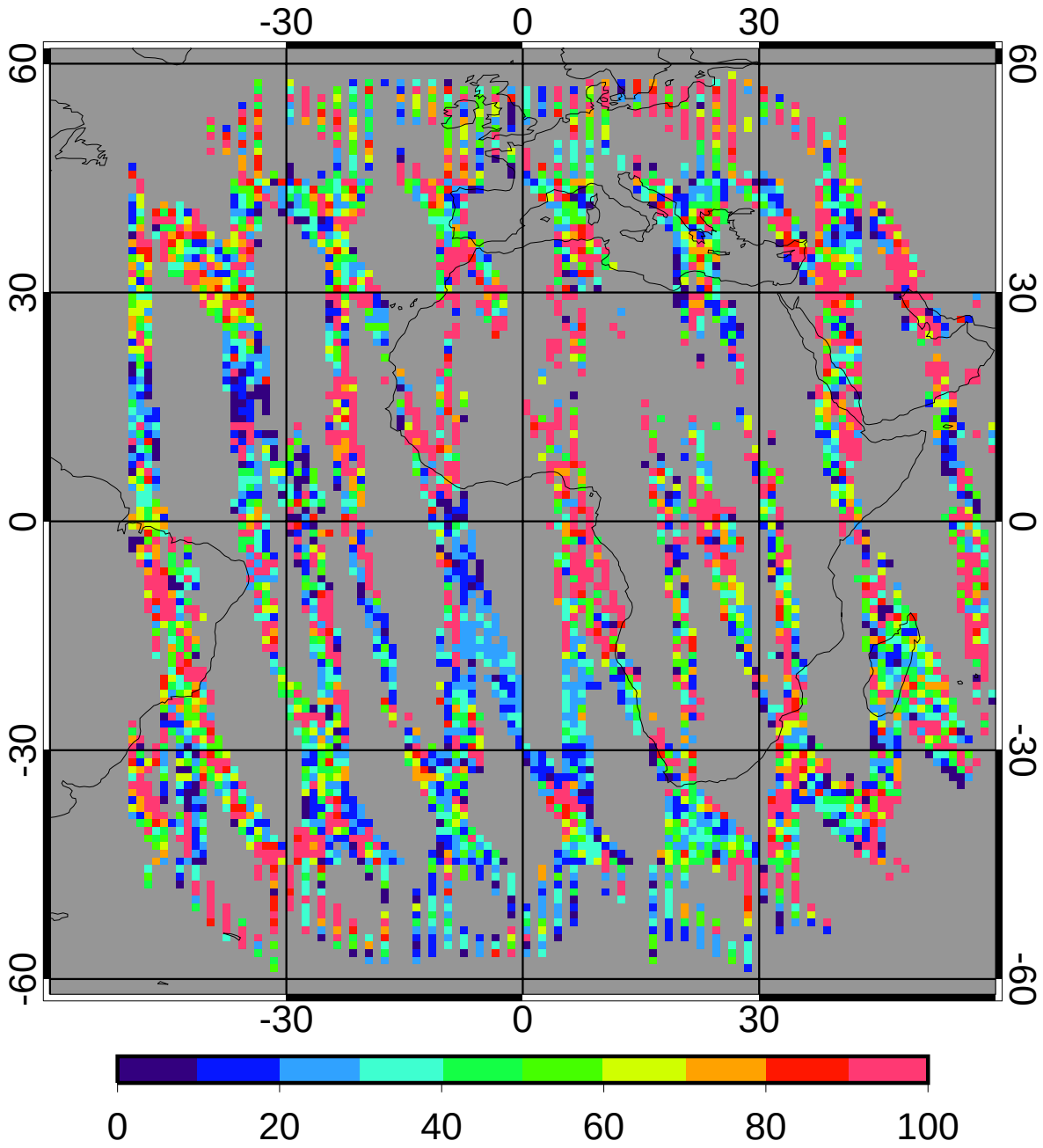
5ch Jan 2010 (matched angle) (lapse rate)



bias	7.83	1.36%
domain sigma	84.05	14.61%

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

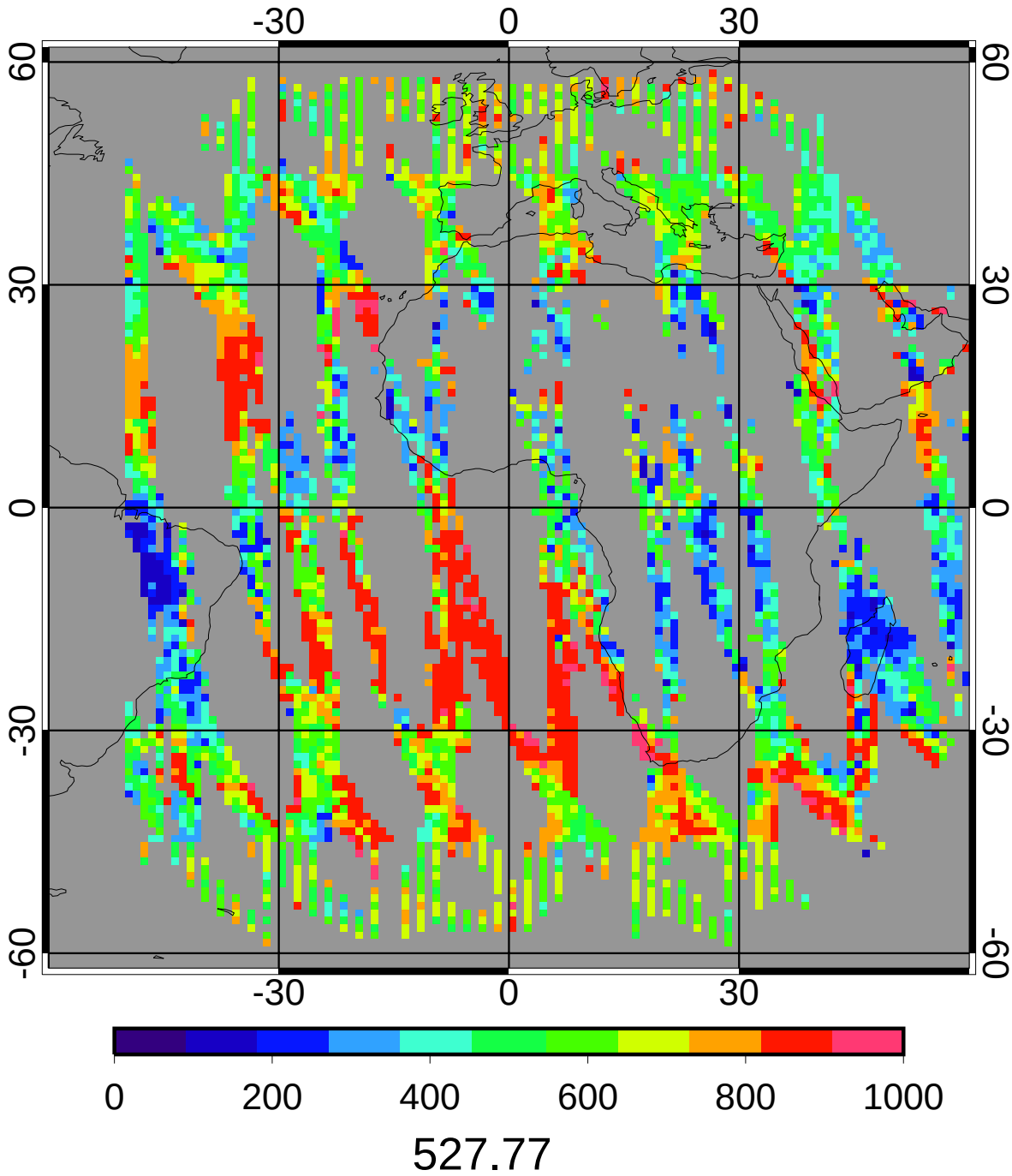
5ch Jan 2010 (matched angle) (lapse rate)



regave rms	64.09	11.14%
domain rms	83.47	14.51%

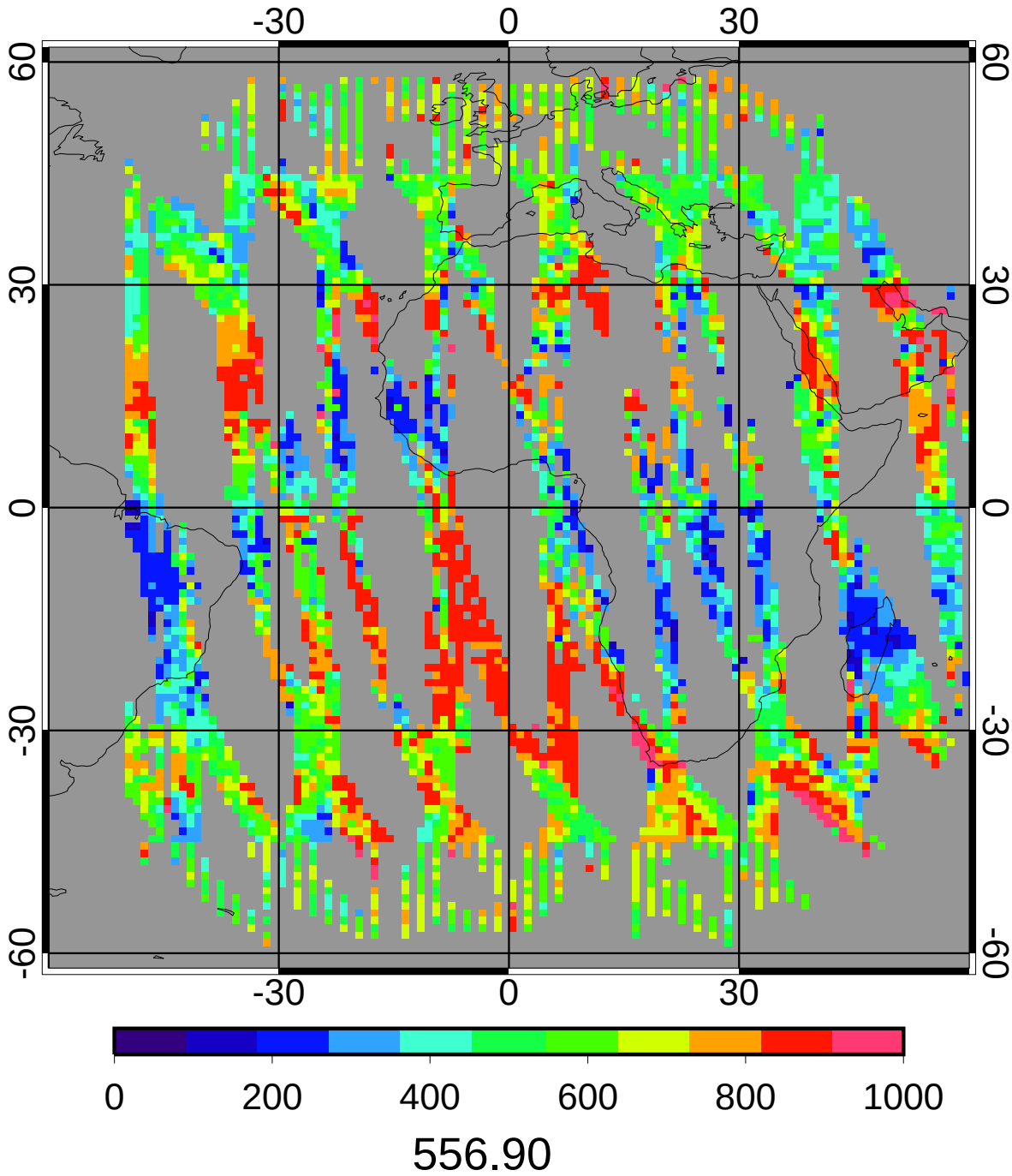
GGEO MEAN Nighttime Cloud Top Pressure (mb)

5ch Jan 2010 (matched angle) (lapse rate)



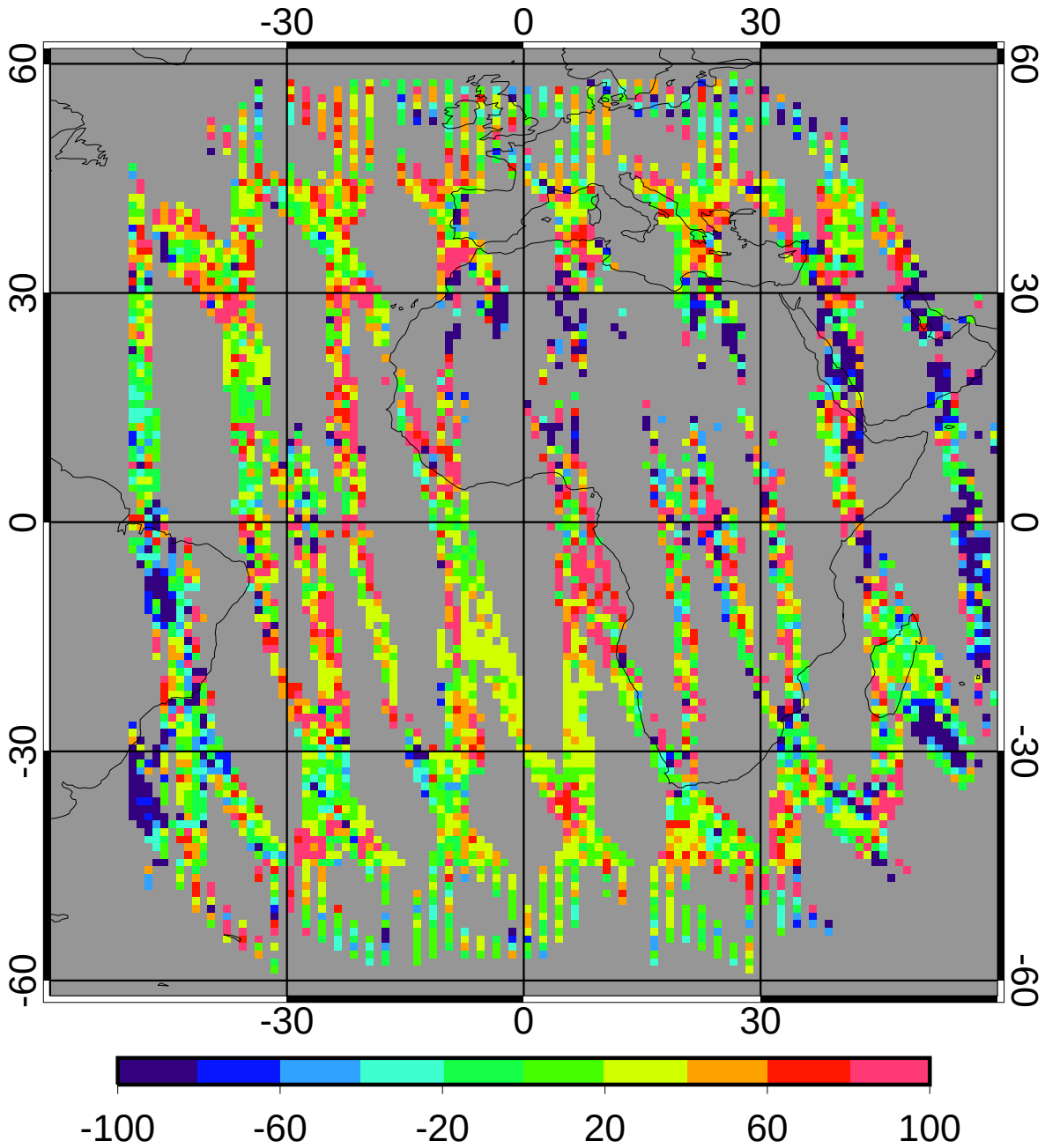
CERES/Terra MEAN Nighttime Cloud Top Pressure (mb)

5ch Jan 2010 (matched angle) (lapse rate)



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

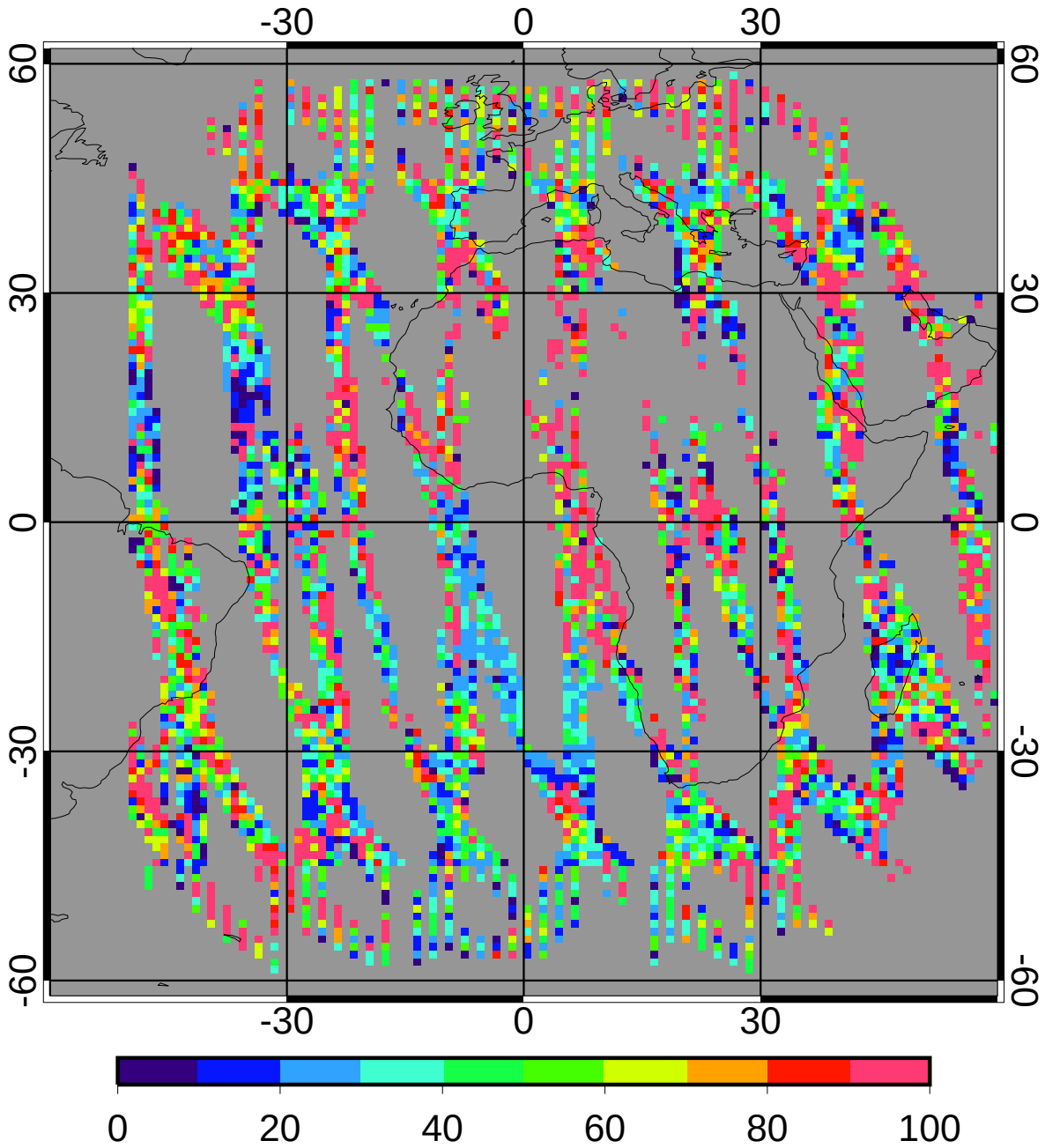
5ch Jan 2010 (matched angle) (lapse rate)



bias	10.86	1.95%
domain sigma	85.84	15.41%

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

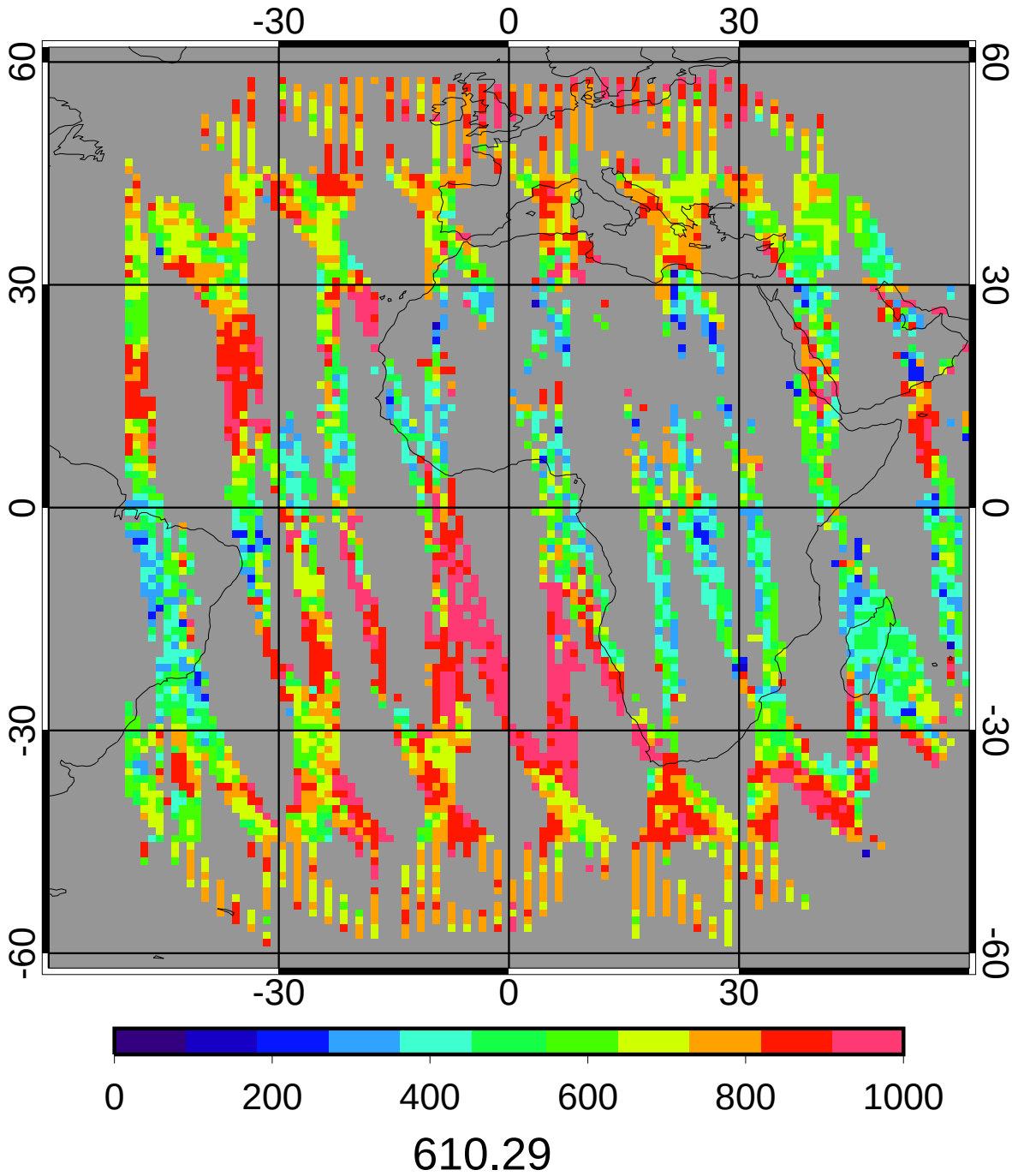
5ch Jan 2010 (matched angle) (lapse rate)



regave rms	65.56	11.77%
domain rms	84.75	15.22%

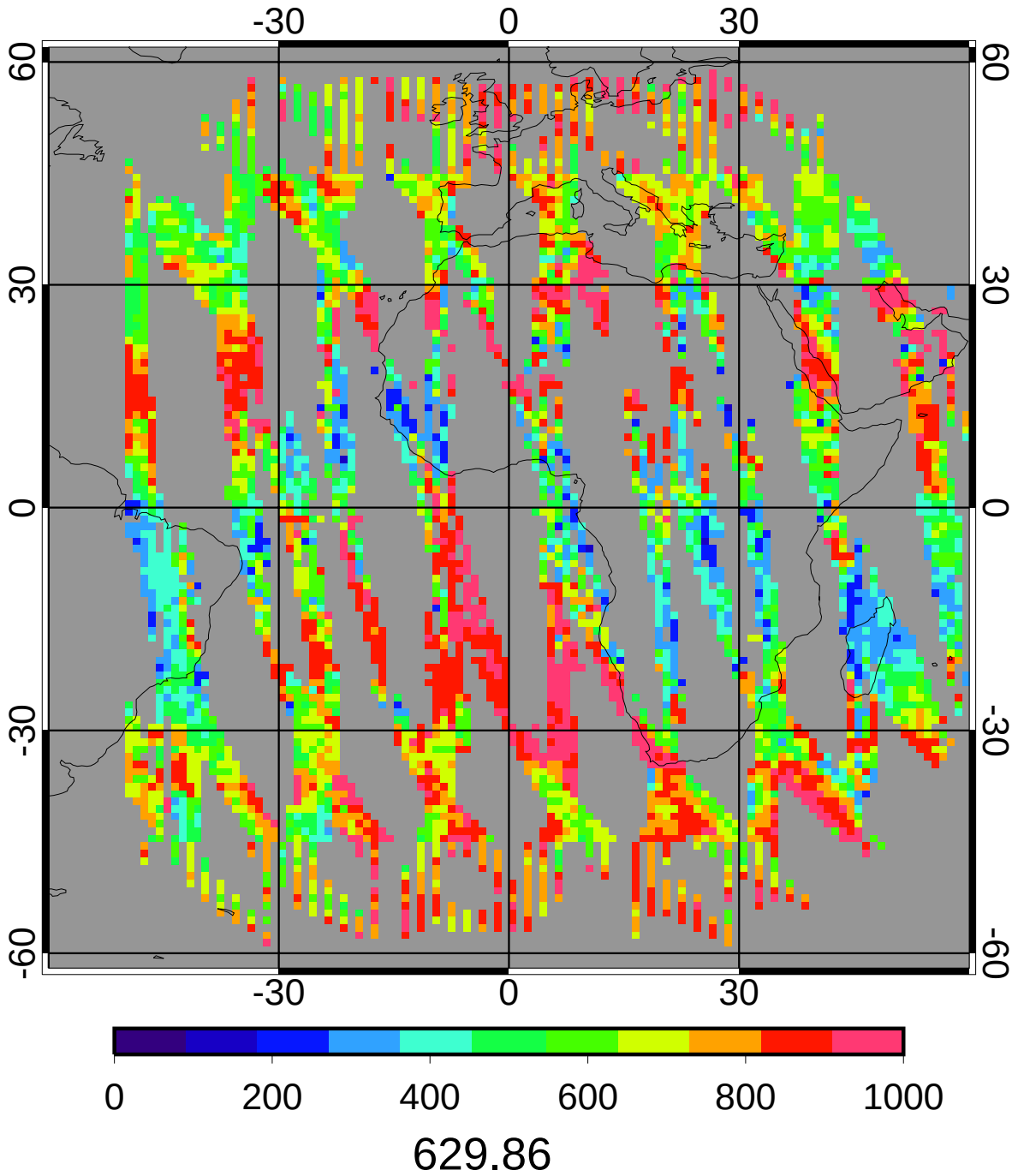
GGEO MEAN Nighttime Cloud Base Pressure (mb)

5ch Jan 2010 (matched angle) (lapse rate)



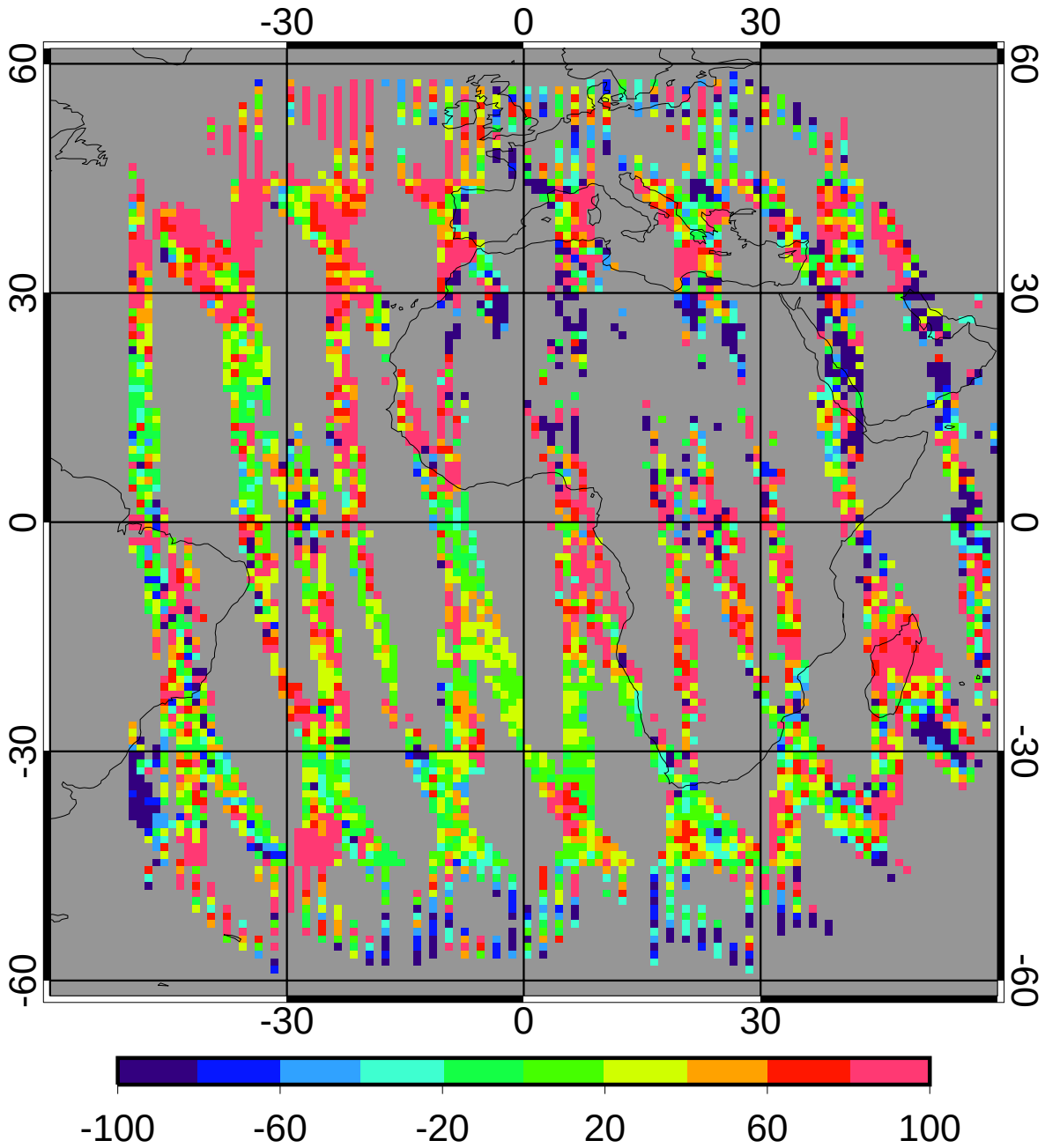
CERES/Terra MEAN Nighttime Cloud Base Pressure (mb)

5ch Jan 2010 (matched angle) (lapse rate)



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

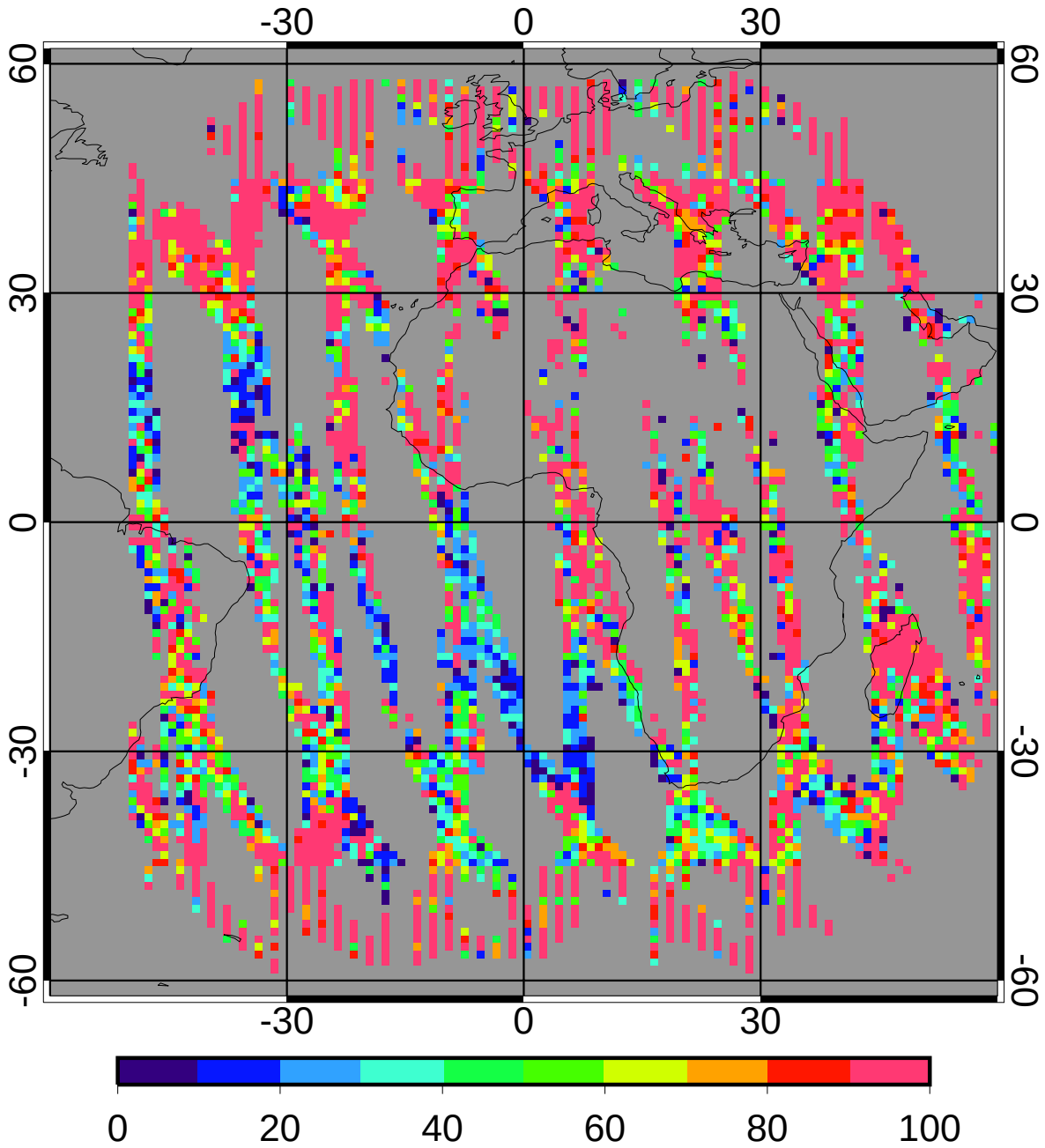
5ch Jan 2010 (matched angle) (lapse rate)



bias	23.43	3.72%
domain sigma	92.71	14.72%

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

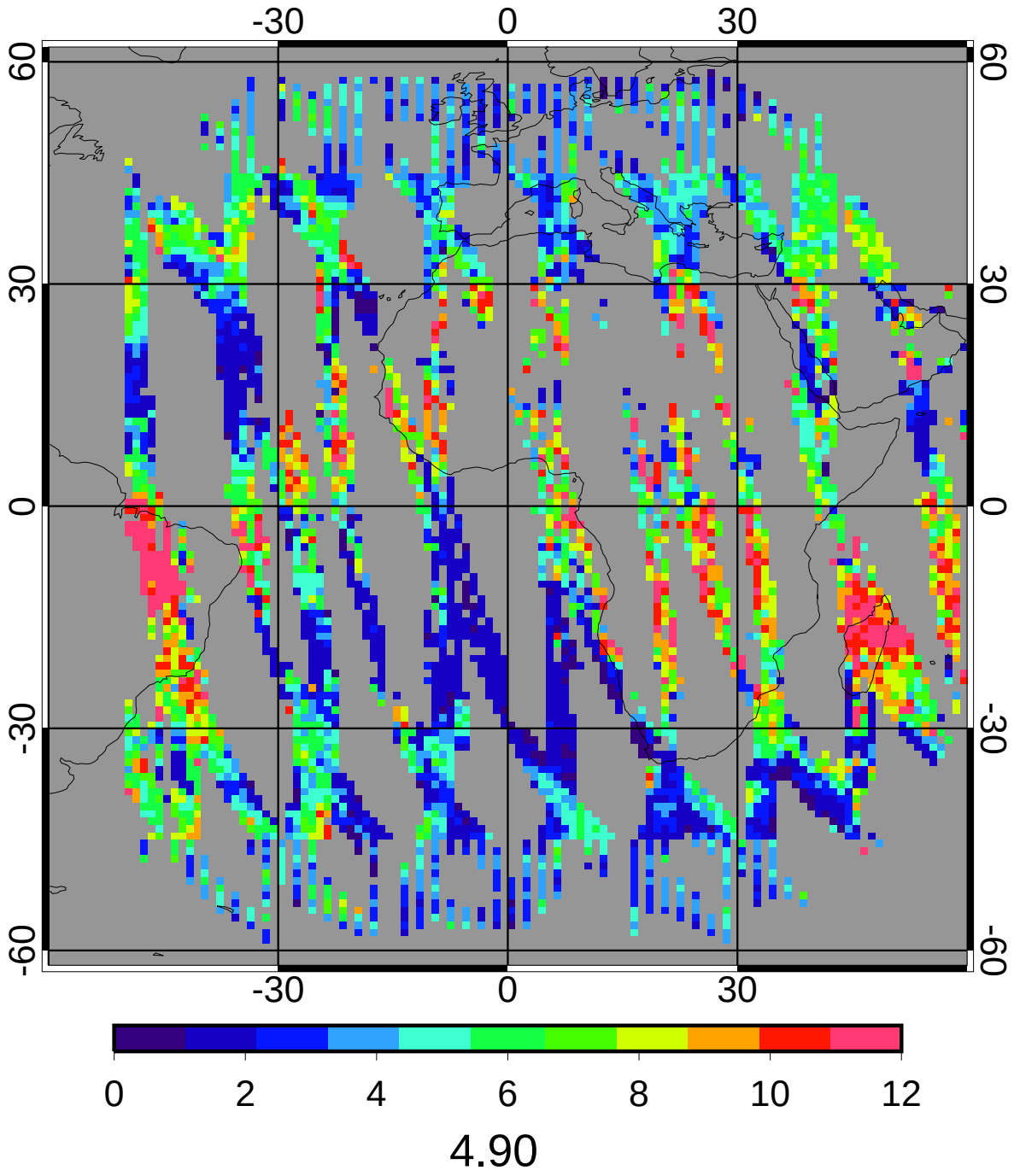
5ch Jan 2010 (matched angle) (lapse rate)



regave rms	83.38	13.24%
domain rms	104.16	16.54%

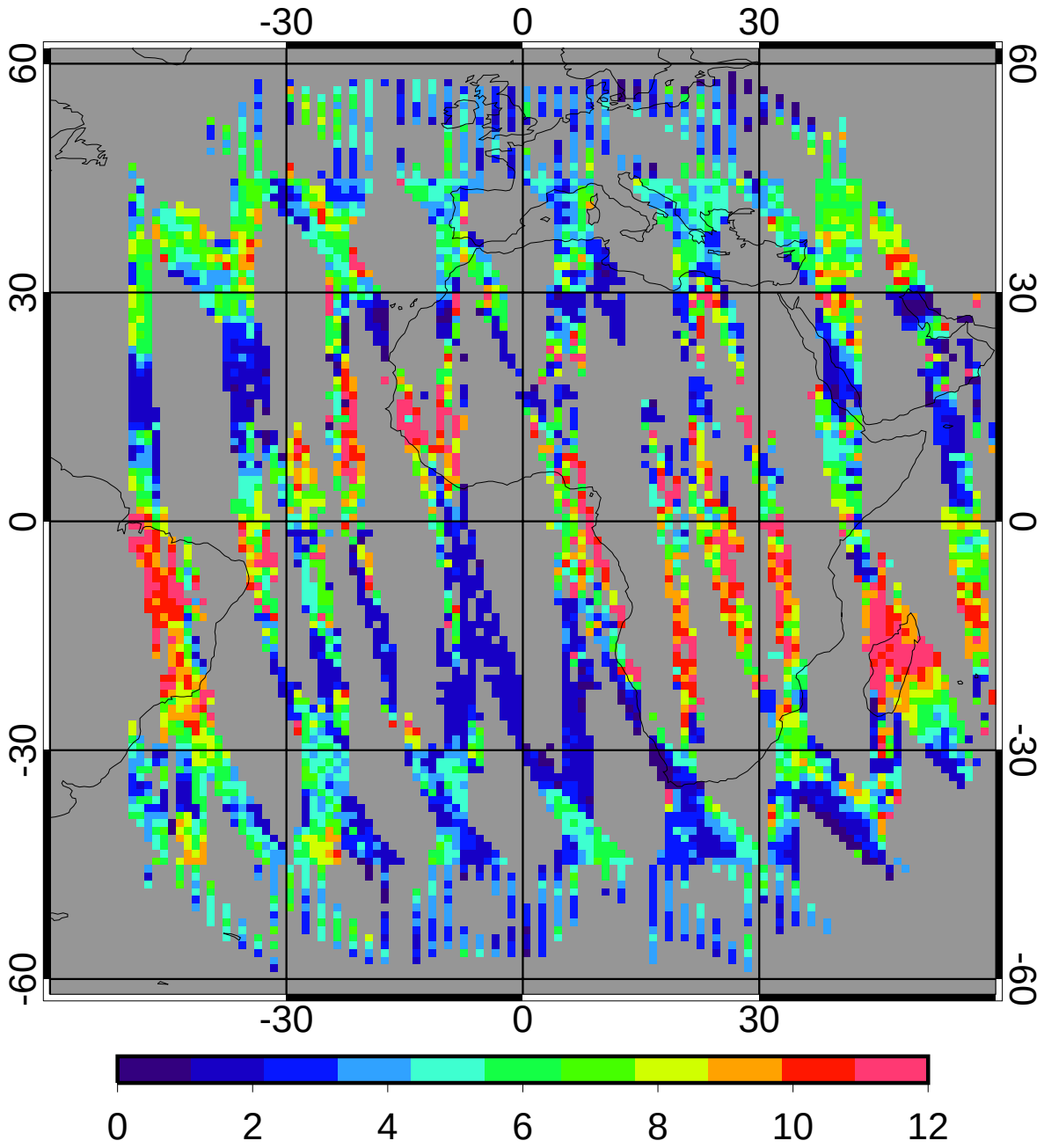
GGEO MEAN Nighttime Cloud Eff Height (km)

5ch Jan 2010 (matched angle) (lapse rate)



CERES/Terra MEAN Nighttime Cloud Eff Height (km)

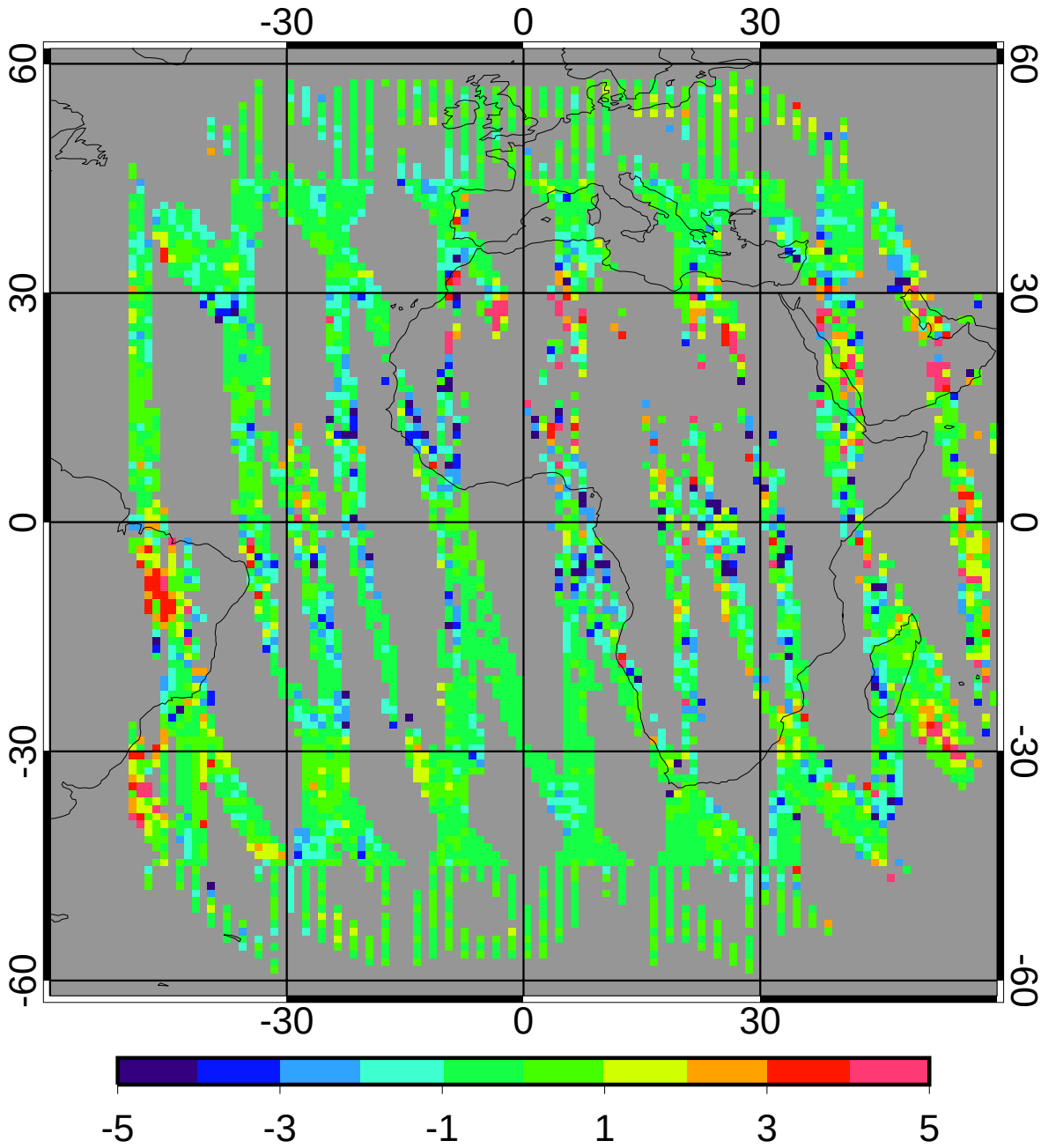
5ch Jan 2010 (matched angle) (lapse rate)



5.23

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

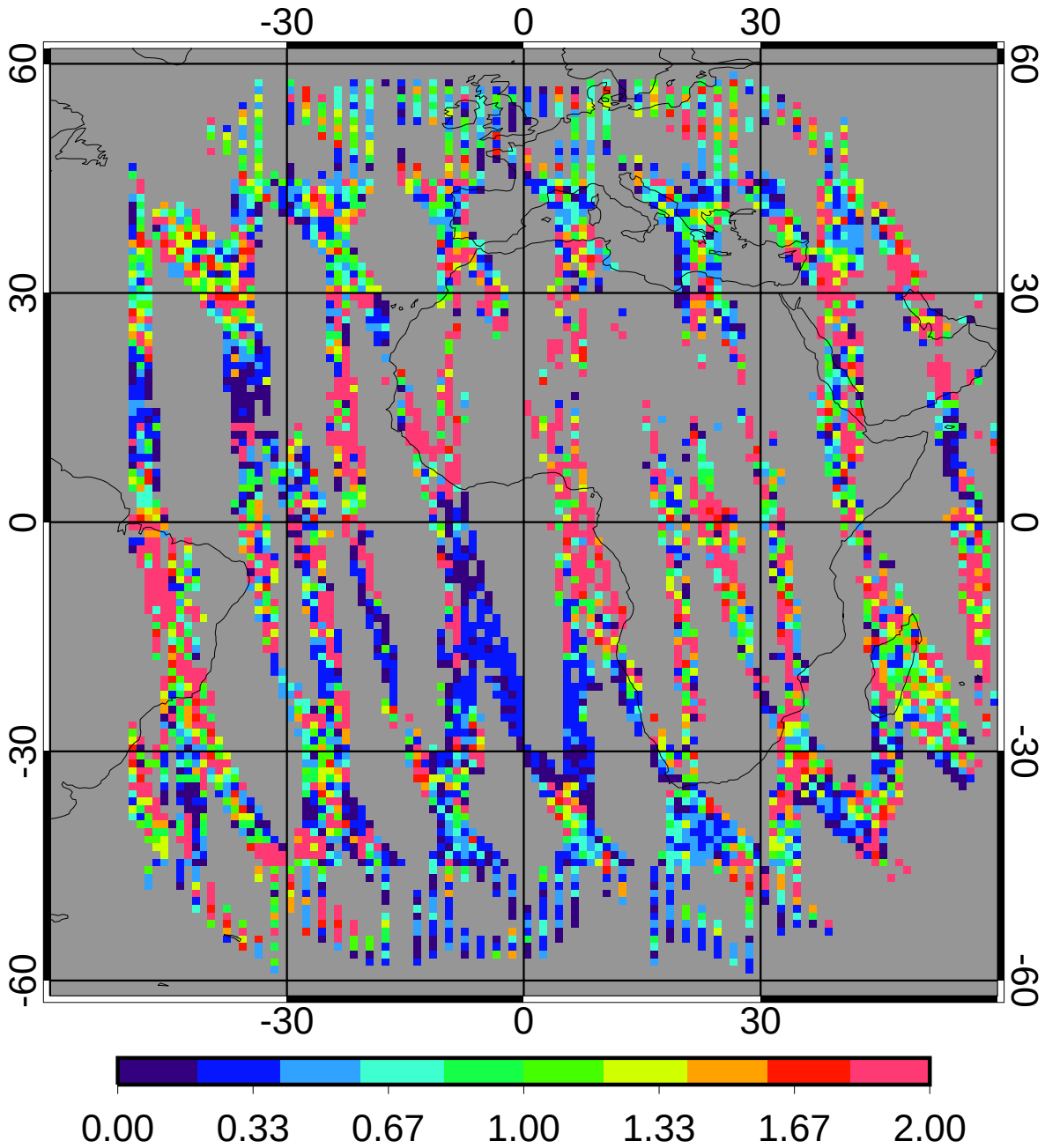
5ch Jan 2010 (matched angle) (lapse rate)



bias	-0.19	-3.65%
domain sigma	1.48	28.27%

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

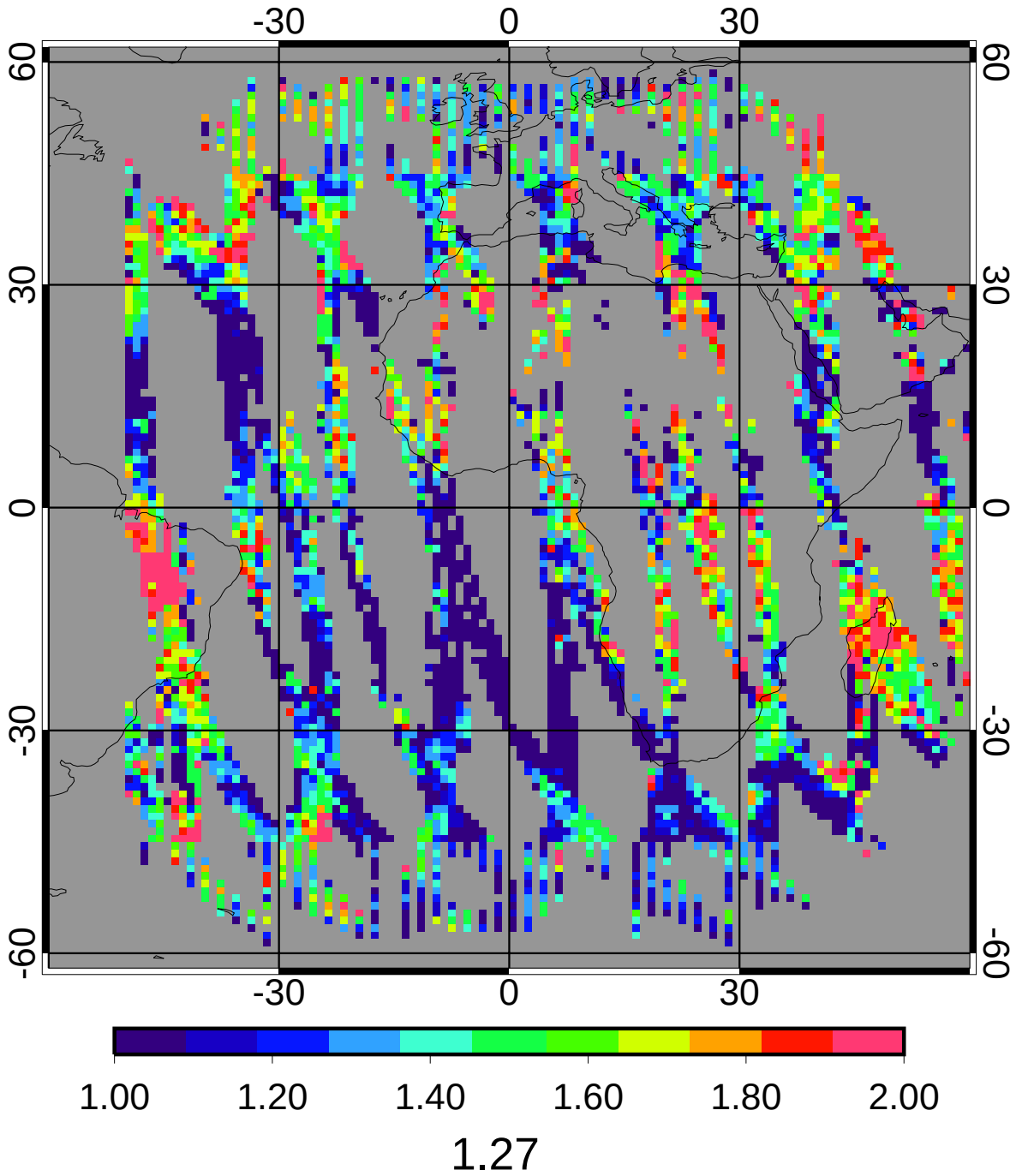
5ch Jan 2010 (matched angle) (lapse rate)



regave rms	1.17	22.30%
domain rms	1.53	29.23%

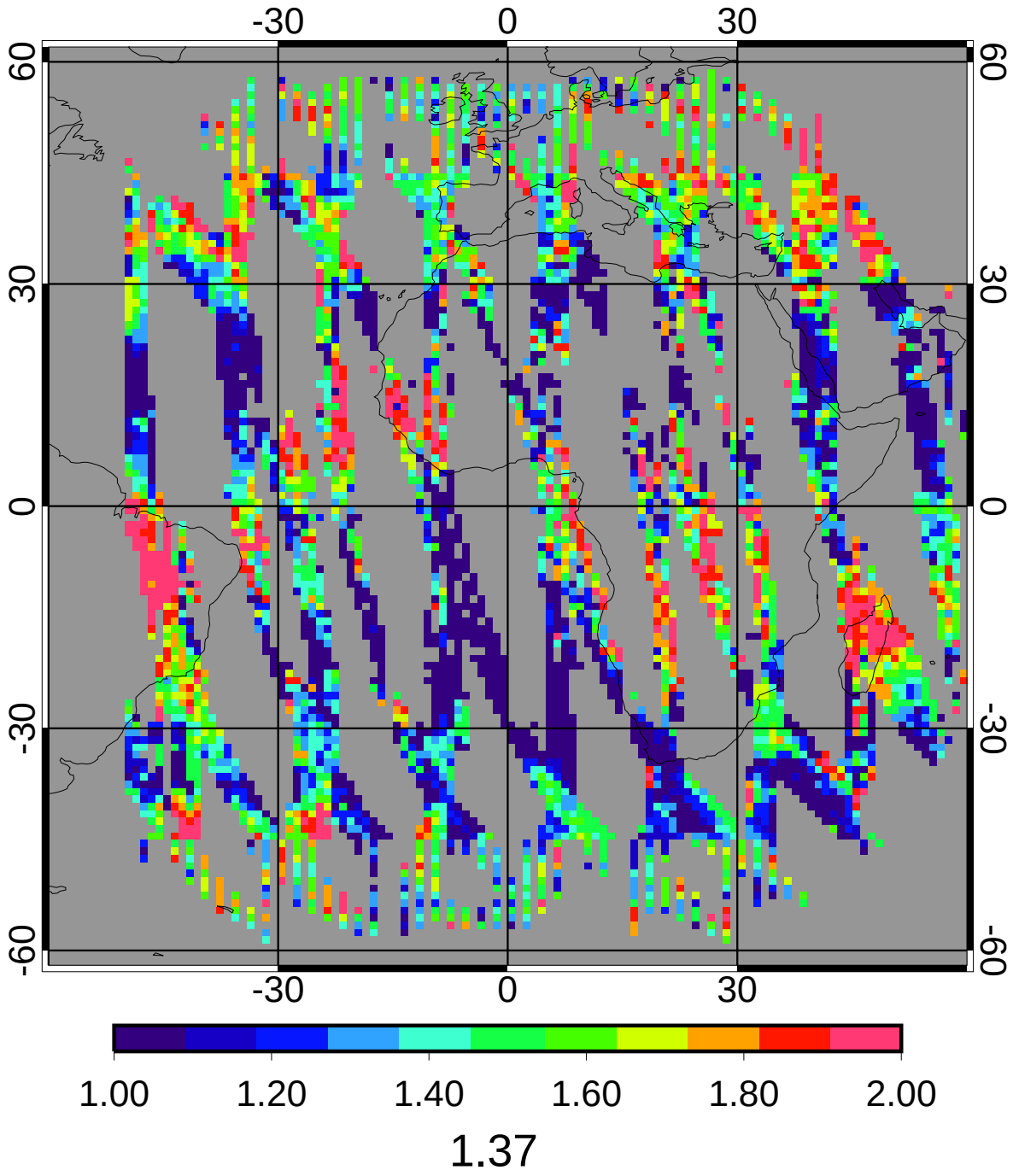
GGEO MEAN Nighttime Cloud Phase

5ch Jan 2010 (matched angle) (lapse rate)



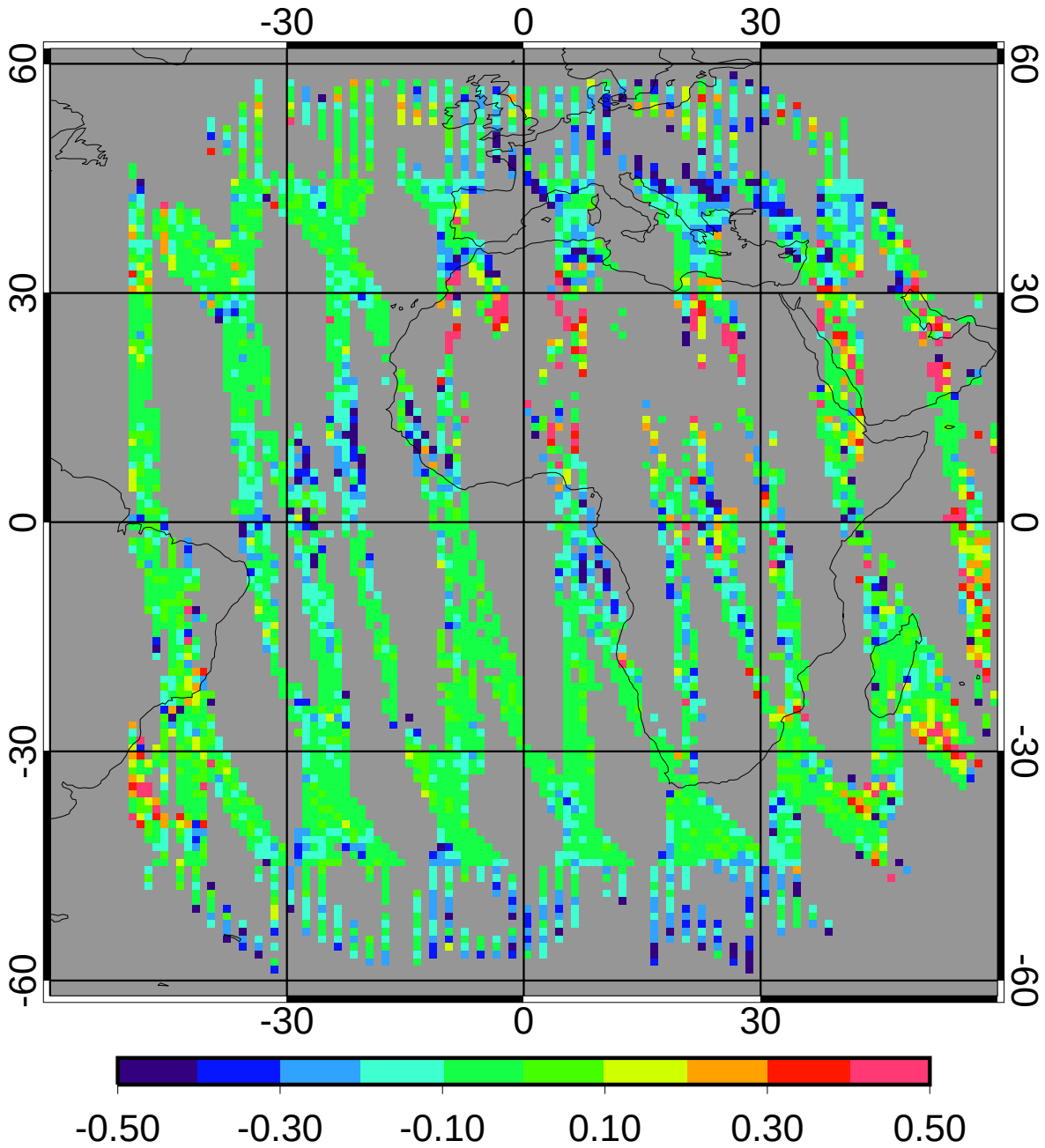
CERES/Terra MEAN Nighttime Cloud Phase

5ch Jan 2010 (matched angle) (lapse rate)



GGEO - CERES/Terra Nighttime Cloud Phase Bias

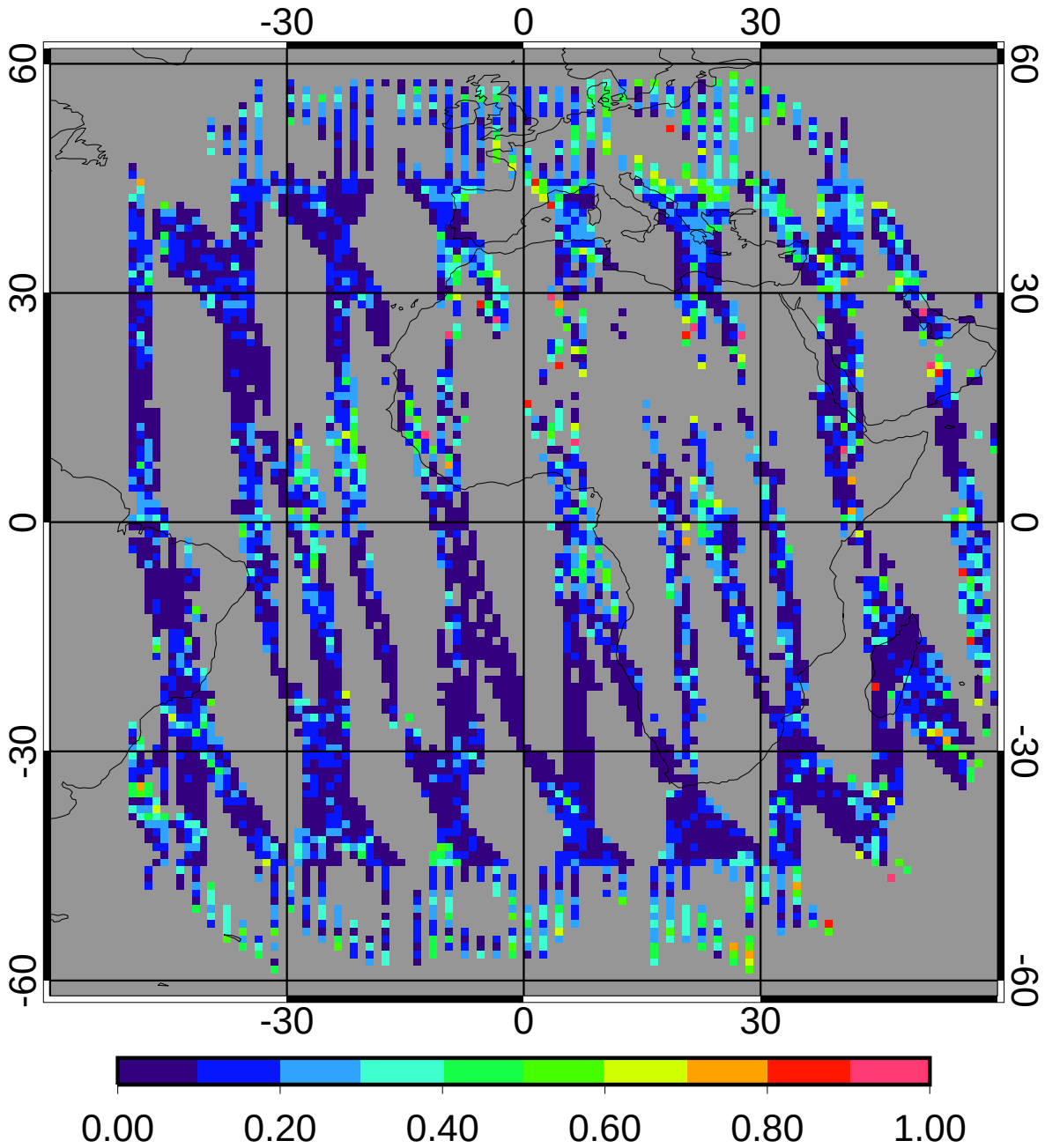
5ch Jan 2010 (matched angle) (lapse rate)



bias	-0.05	-3.49%
domain sigma	0.16	11.74%

GGEO - CERES/Terra Nighttime Cloud Phase RMS

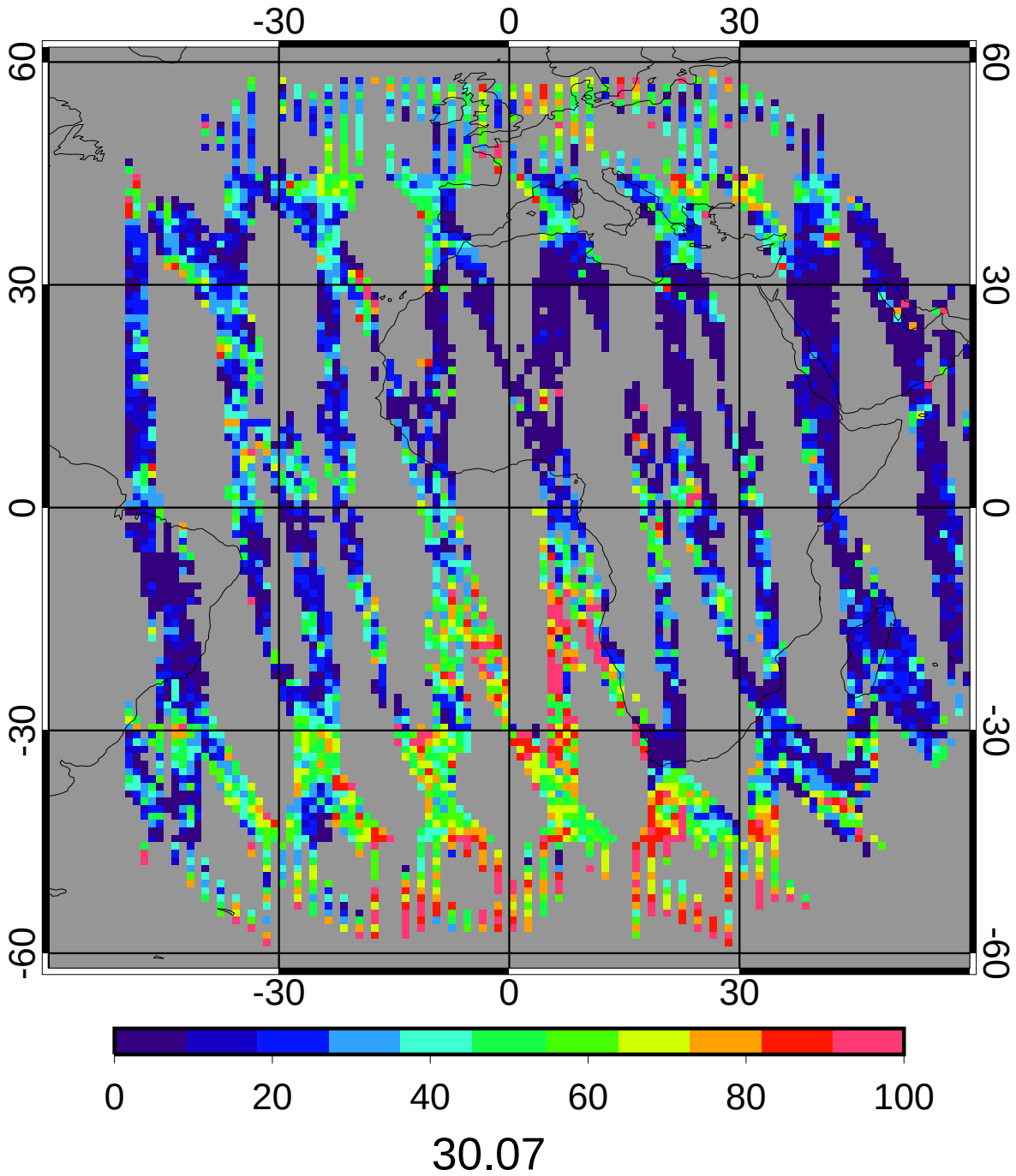
5ch Jan 2010 (matched angle) (lapse rate)



regave rms	0.14	10.04%
domain rms	0.19	14.02%

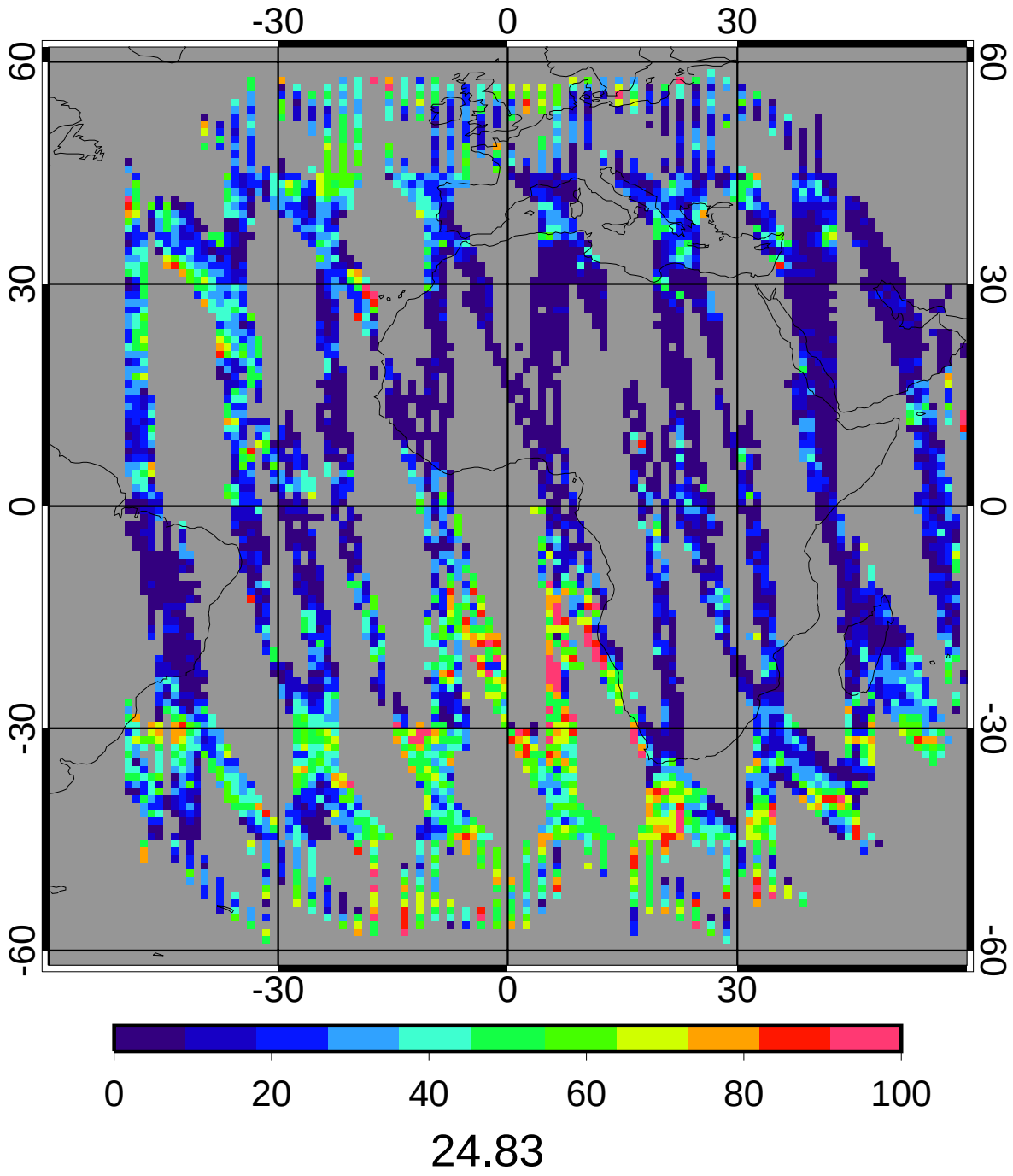
GGEO MEAN Nighttime Liquid Cld Amt (%)

5ch Jan 2010 (matched angle) (lapse rate)



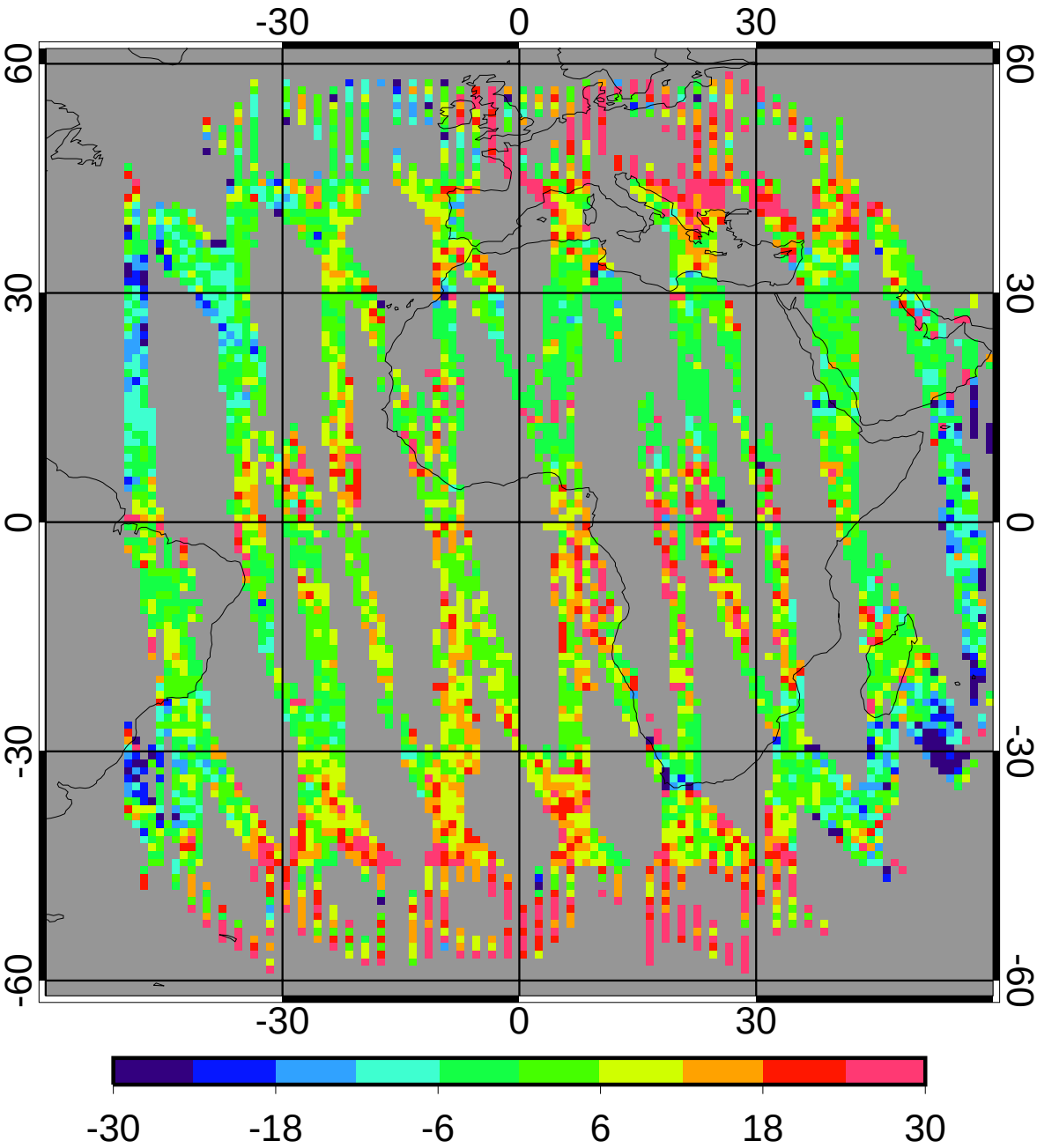
CERES/Terra MEAN Nighttime Liquid Cld Amt (%)

5ch Jan 2010 (matched angle) (lapse rate)



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

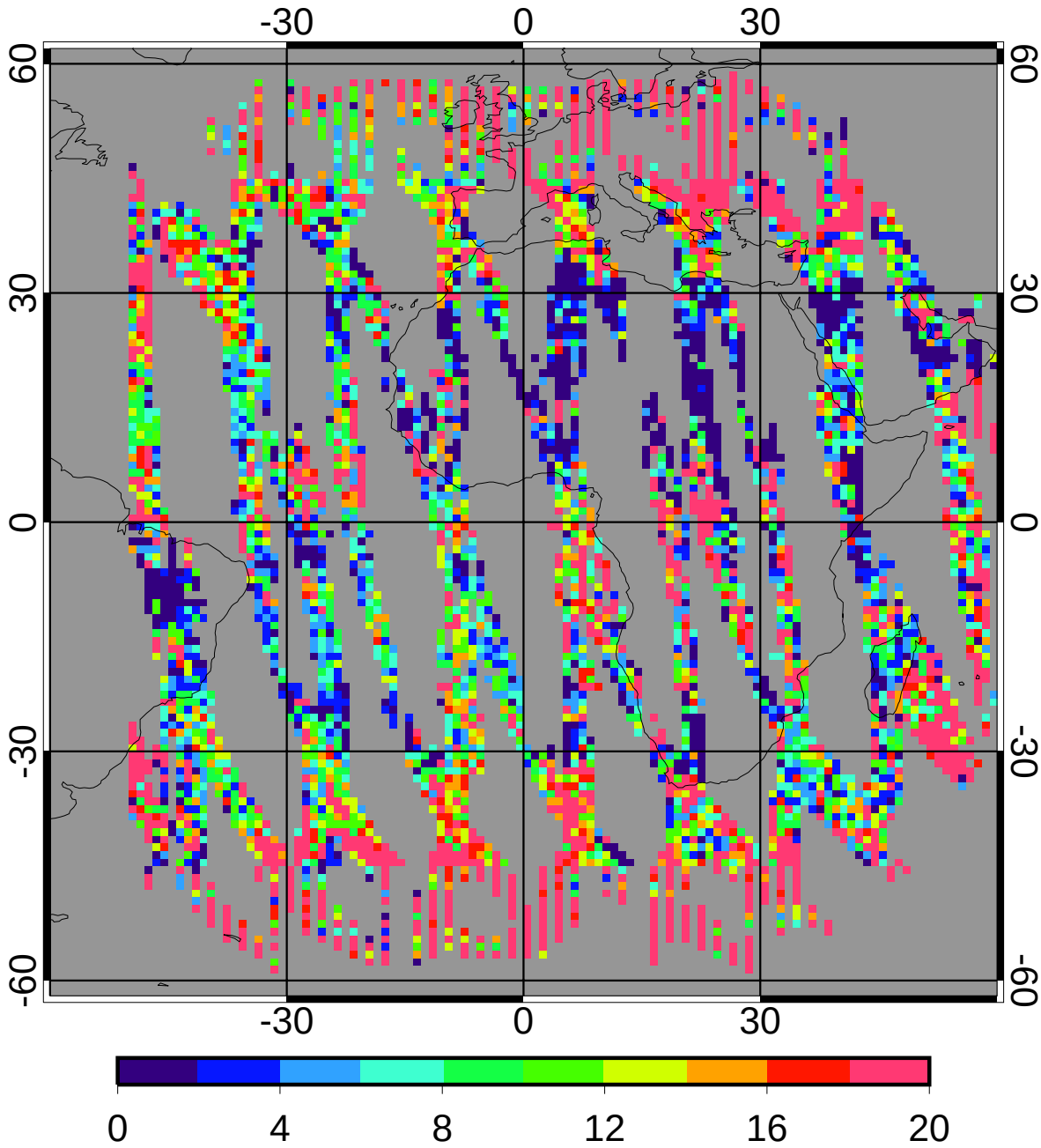
5ch Jan 2010 (matched angle) (lapse rate)



bias	5.25	21.13%
domain sigma	12.13	48.85%

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

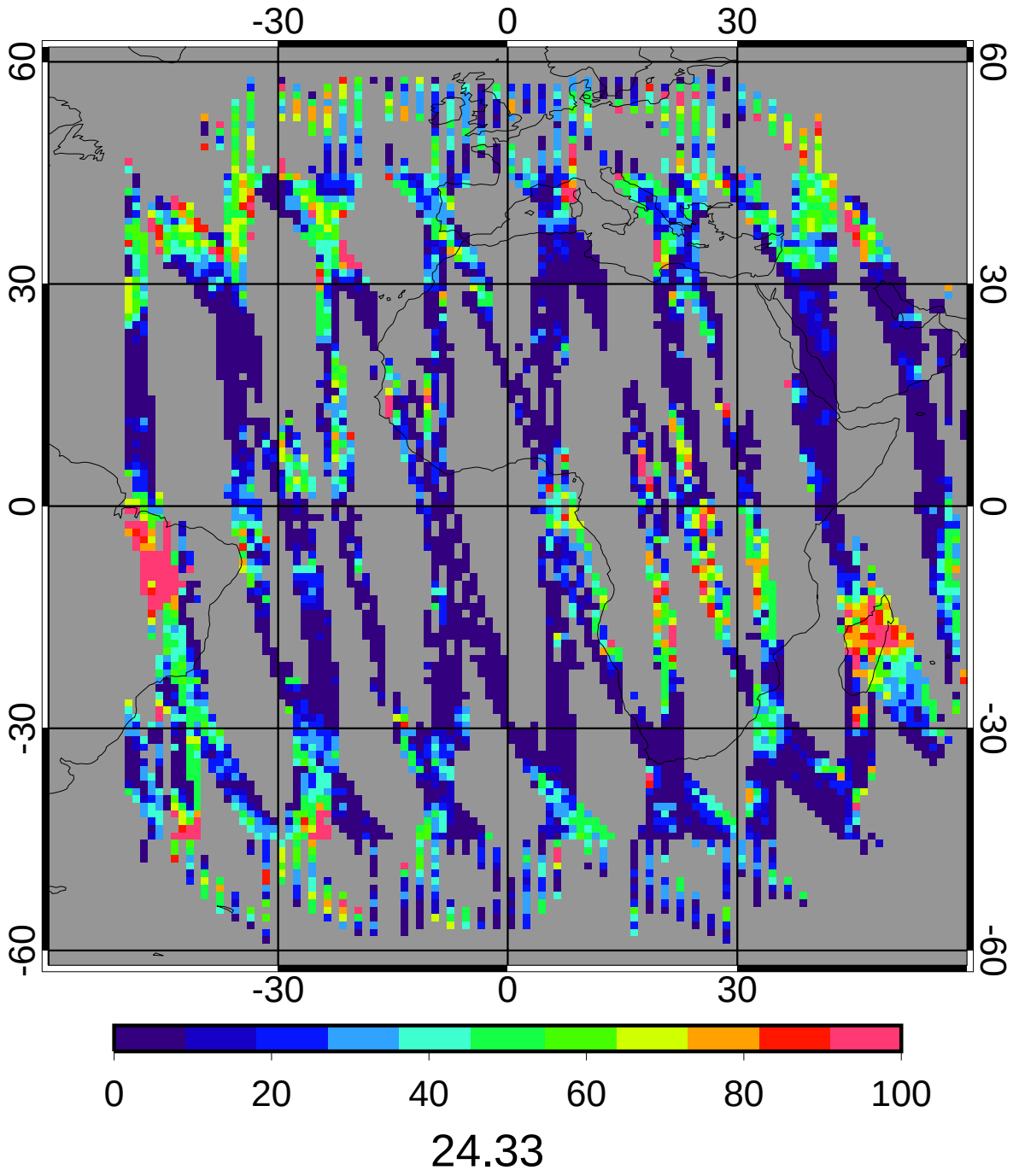
5ch Jan 2010 (matched angle) (lapse rate)



regave rms	13.13	52.90%
domain rms	17.17	69.18%

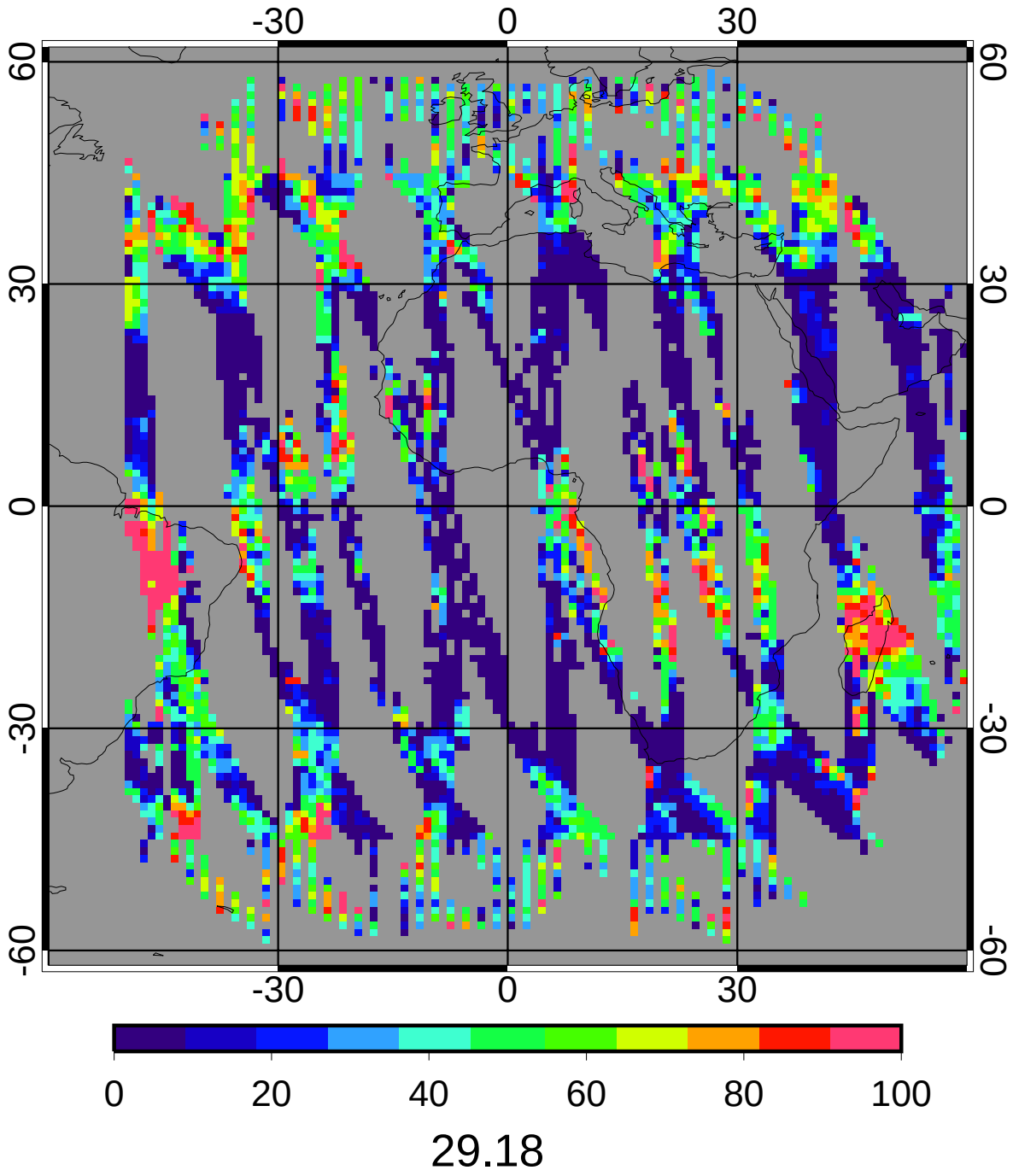
GGEO MEAN Nighttime Ice Cld Amt (%)

5ch Jan 2010 (matched angle) (lapse rate)



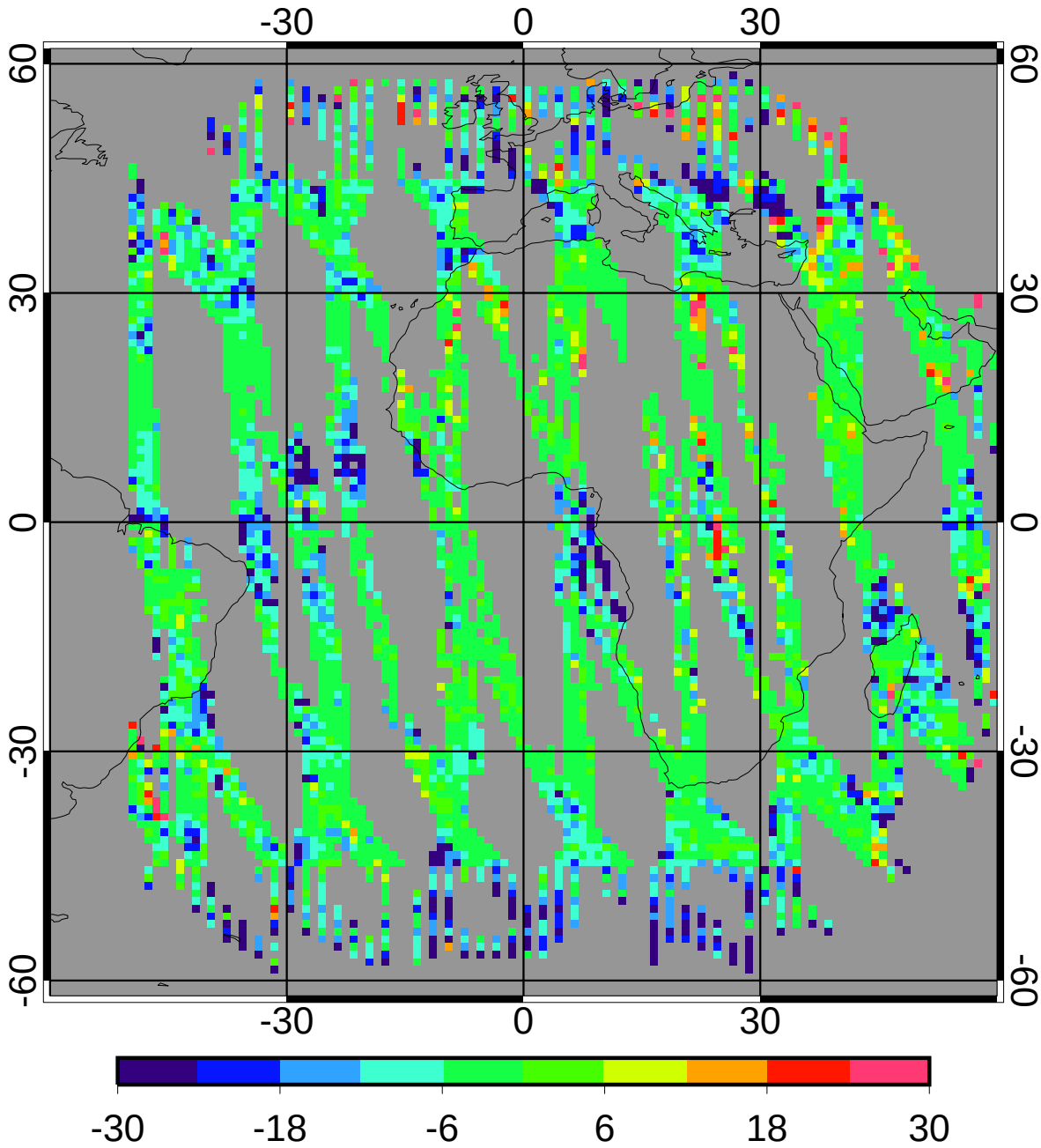
CERES/Terra MEAN Nighttime Ice Cld Amt (%)

5ch Jan 2010 (matched angle) (lapse rate)



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

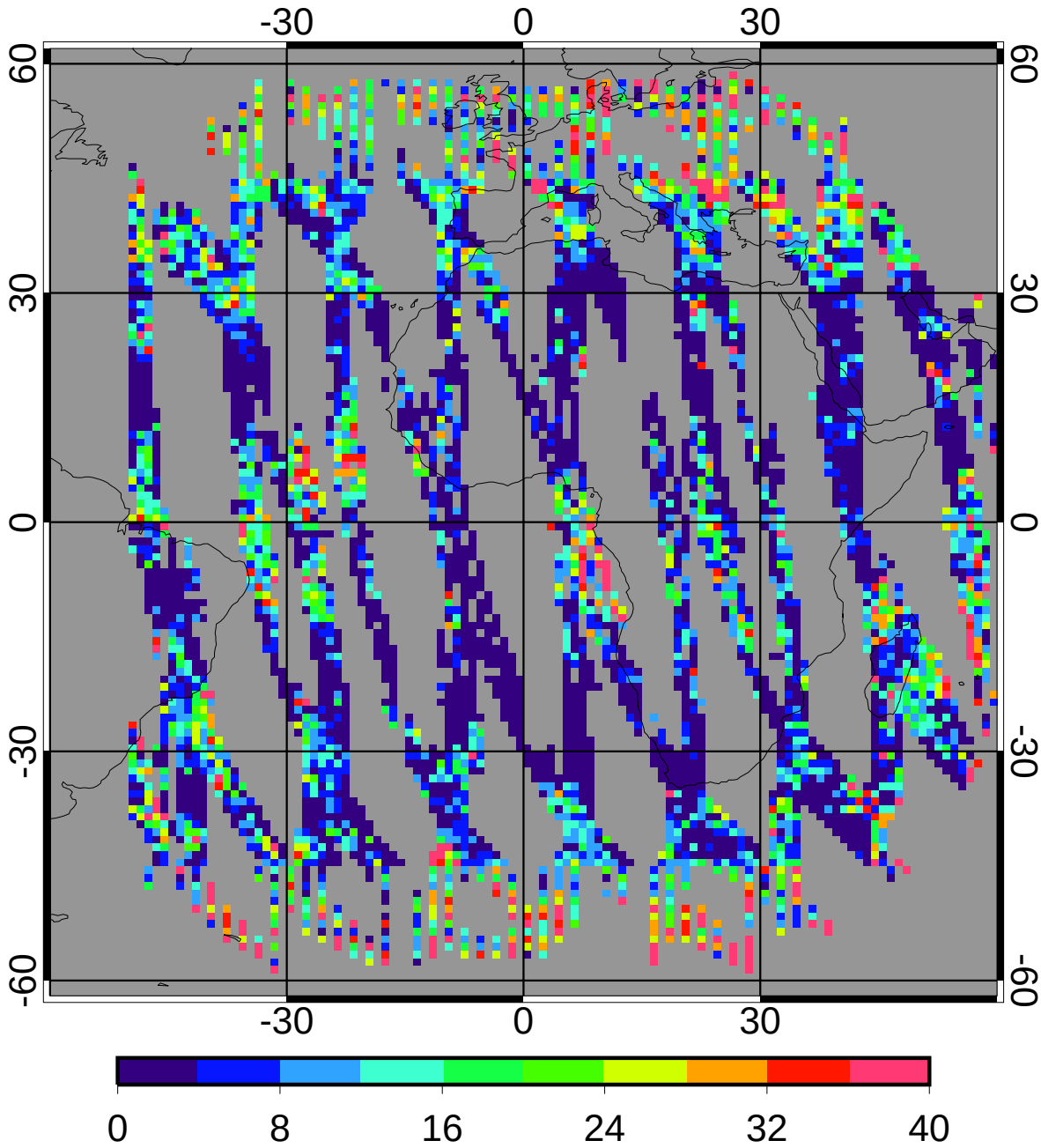
5ch Jan 2010 (matched angle) (lapse rate)



bias	-4.85	-16.62%
domain sigma	8.95	30.66%

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

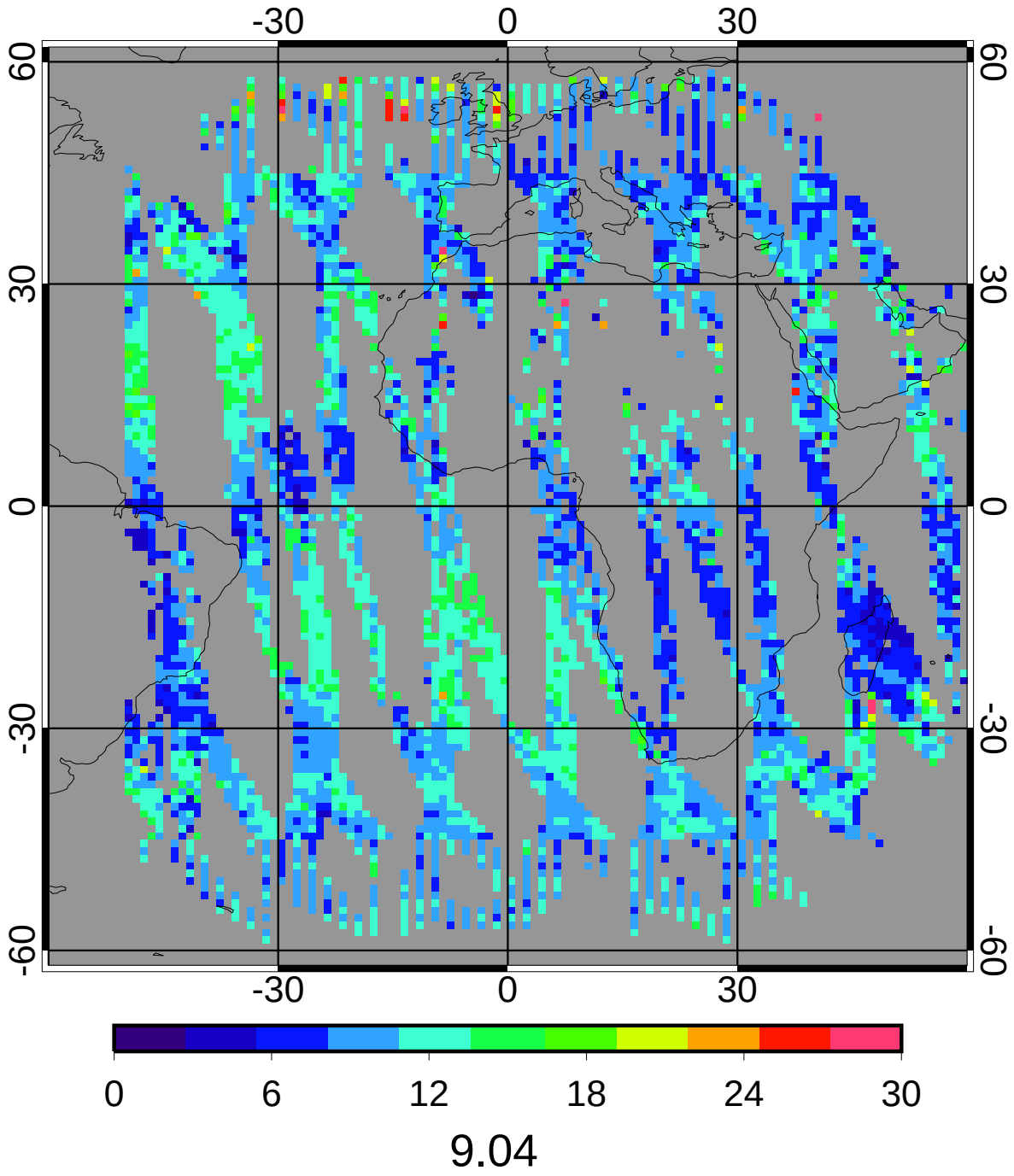
5ch Jan 2010 (matched angle) (lapse rate)



regave rms	9.57	32.80%
domain rms	14.21	48.70%

GGEO MEAN Nighttime Liquid Particle Size (microns)

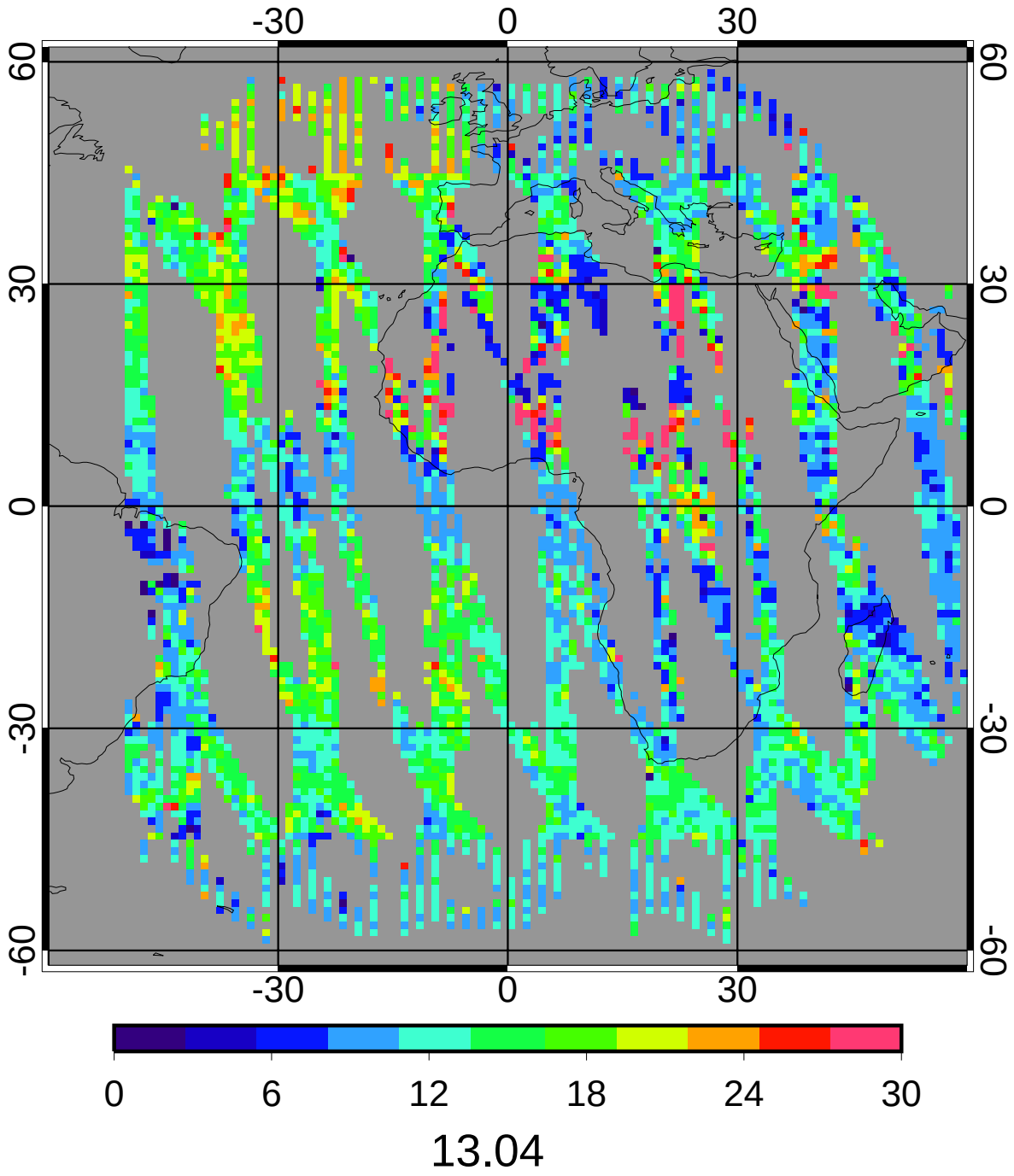
5ch Jan 2010 (matched angle) (lapse rate)



9.04

CERES/Terra MEAN Nighttime Liquid Particle Size (microns)

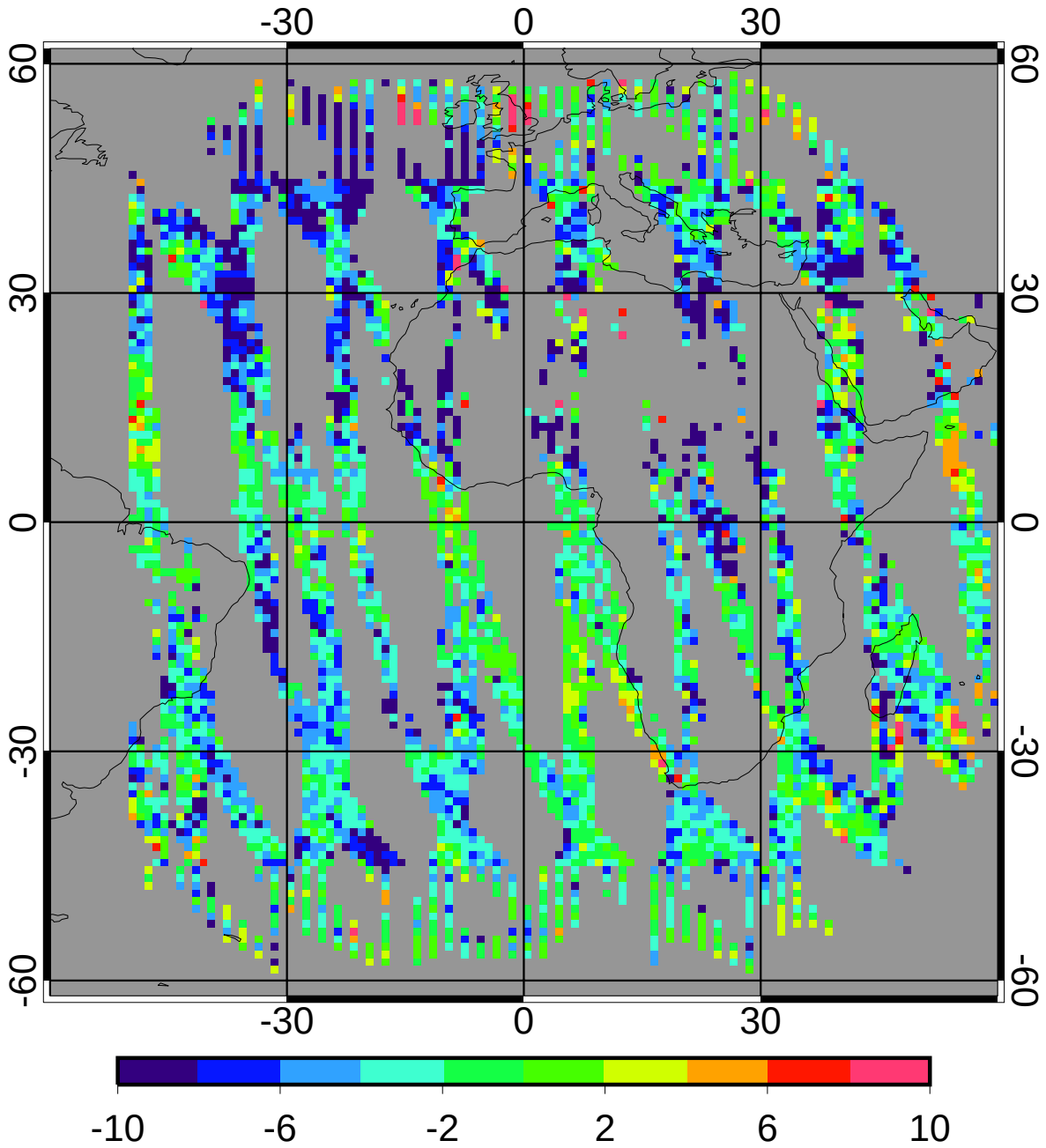
5ch Jan 2010 (matched angle) (lapse rate)



13.04

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

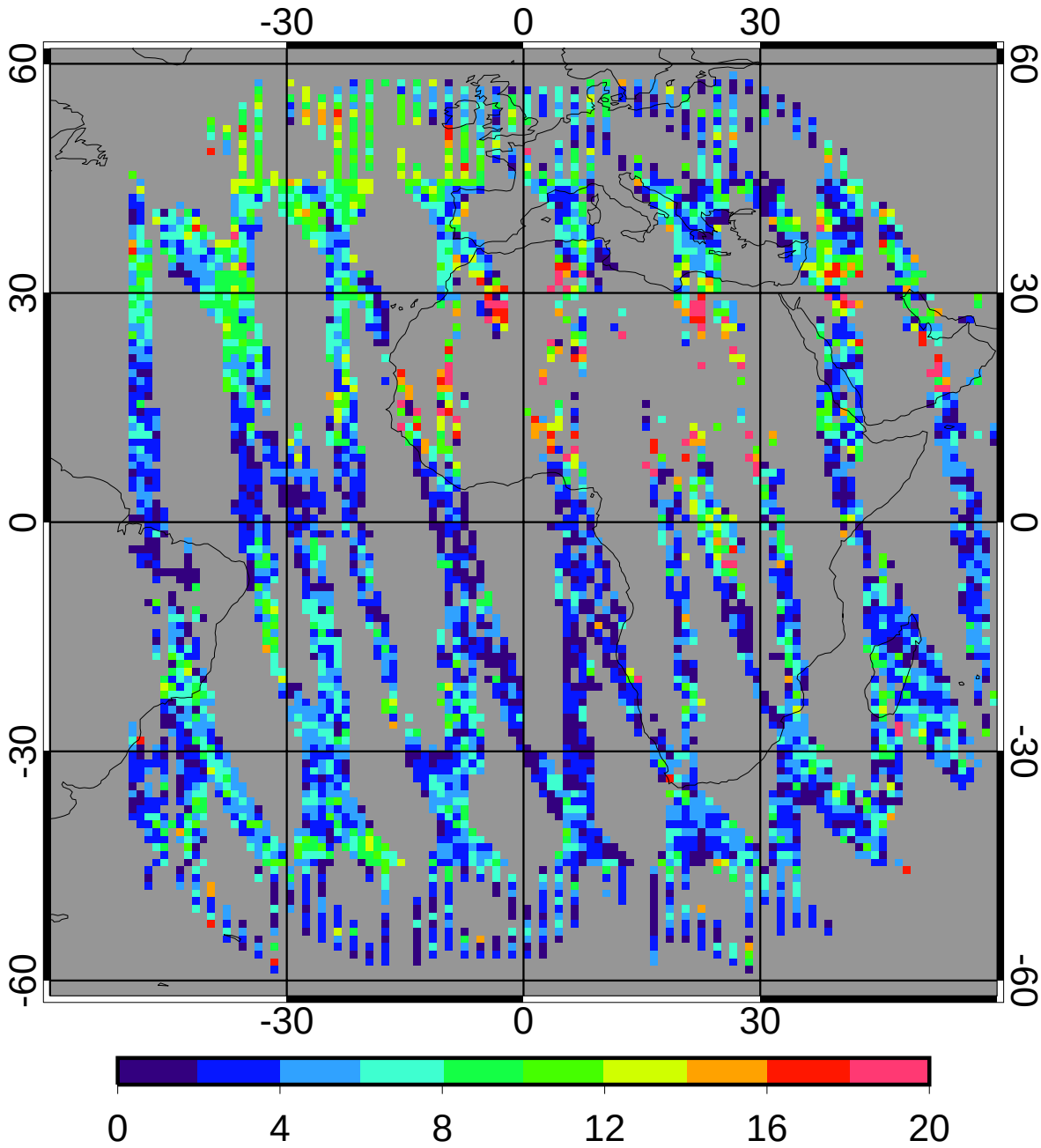
5ch Jan 2010 (matched angle) (lapse rate)



bias	-3.17	-24.34%
domain sigma	4.08	31.31%

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

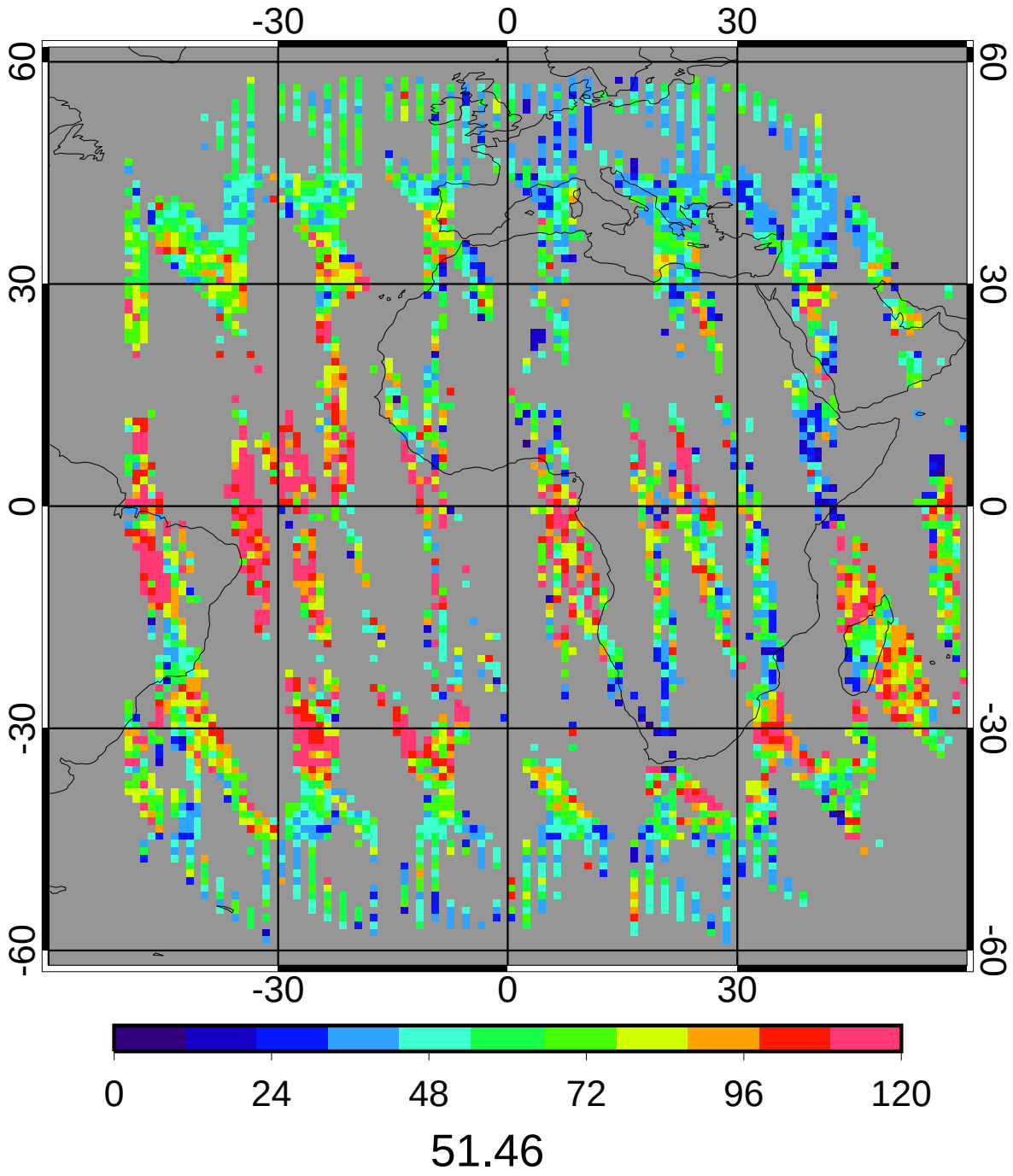
5ch Jan 2010 (matched angle) (lapse rate)



regave rms	4.79	36.71%
domain rms	5.94	45.57%

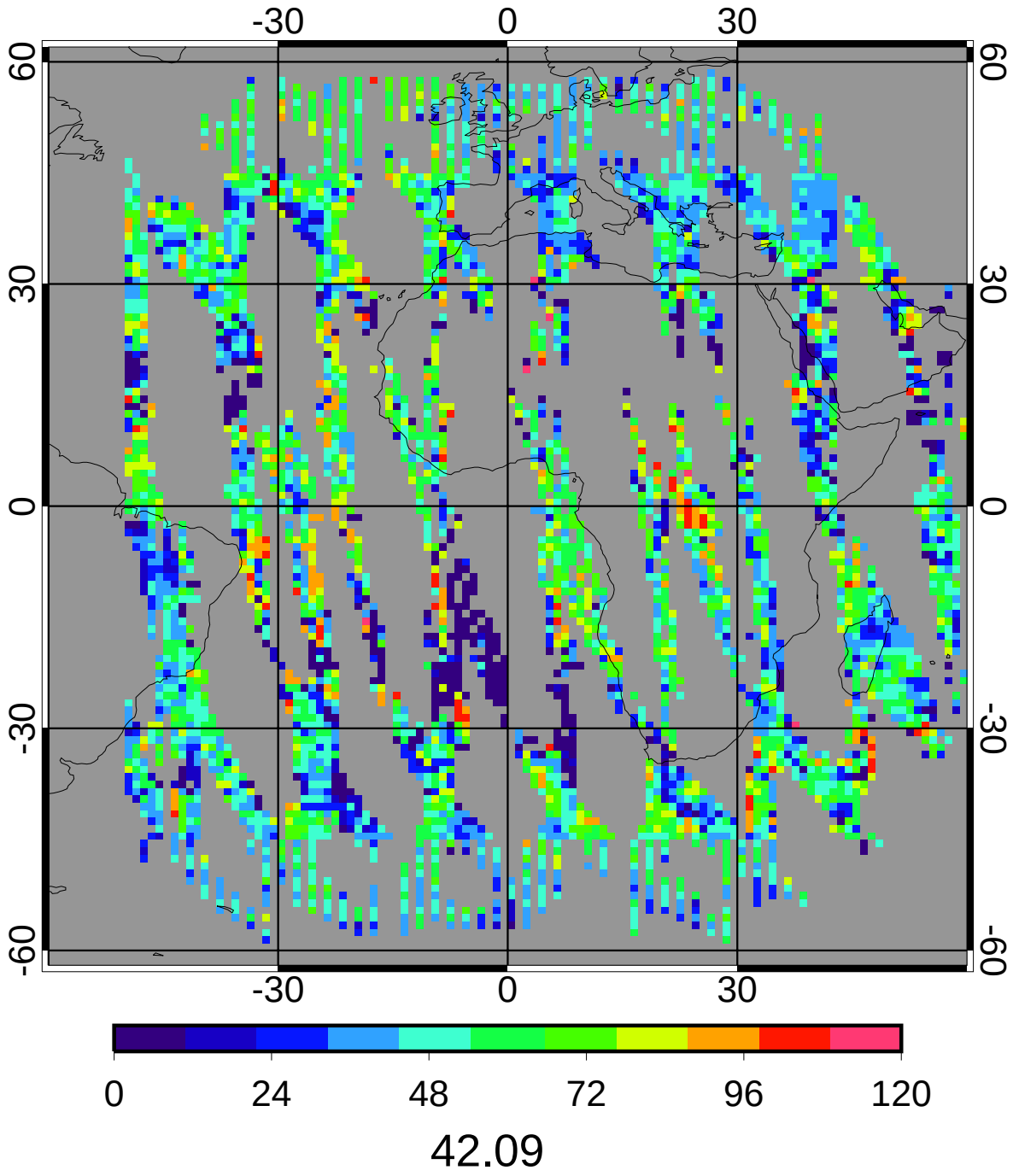
GGEO MEAN Nighttime Ice Particle Size (microns)

5ch Jan 2010 (matched angle) (lapse rate)



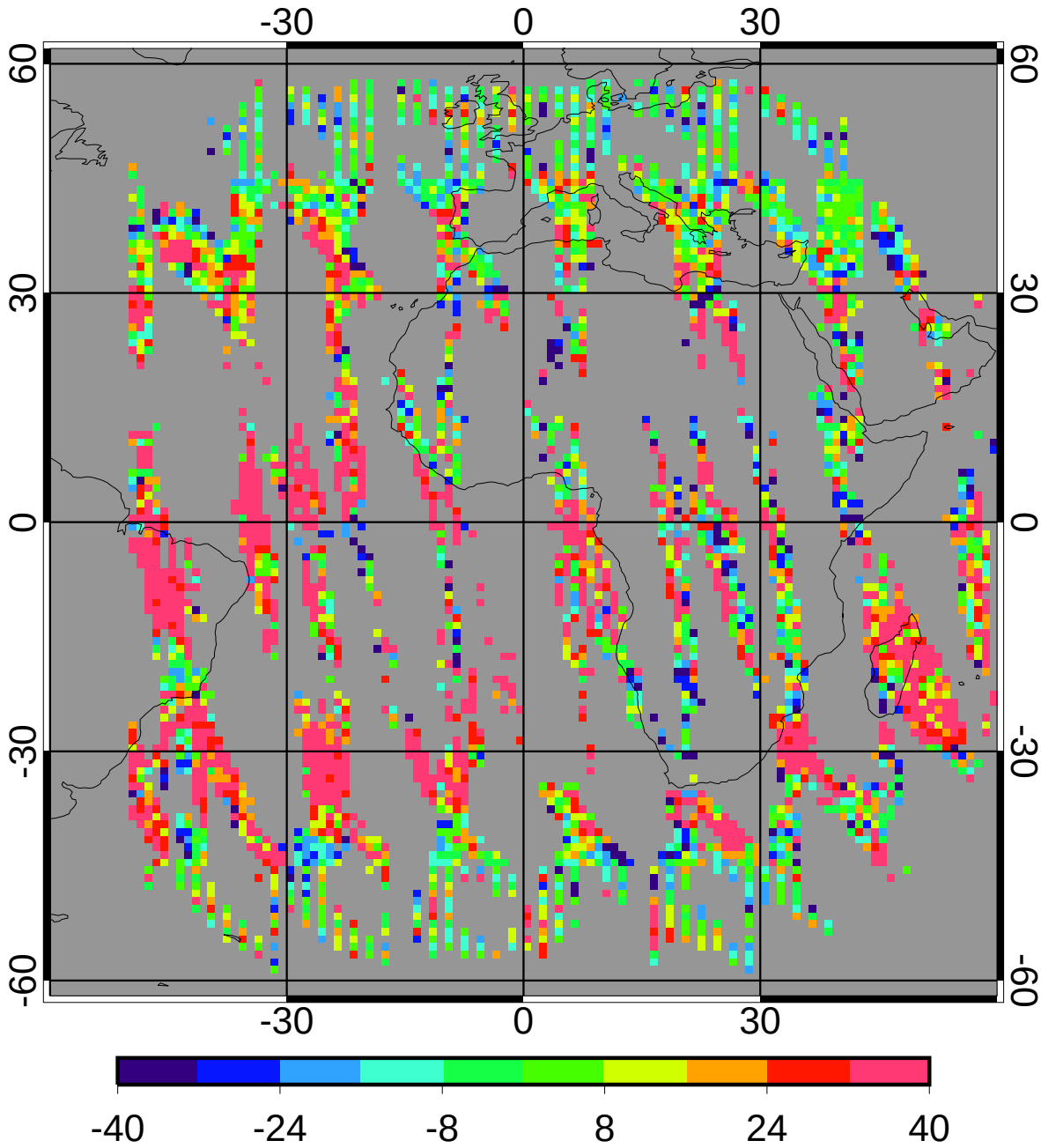
CERES/Terra MEAN Nighttime Ice Particle Size (microns)

5ch Jan 2010 (matched angle) (lapse rate)



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

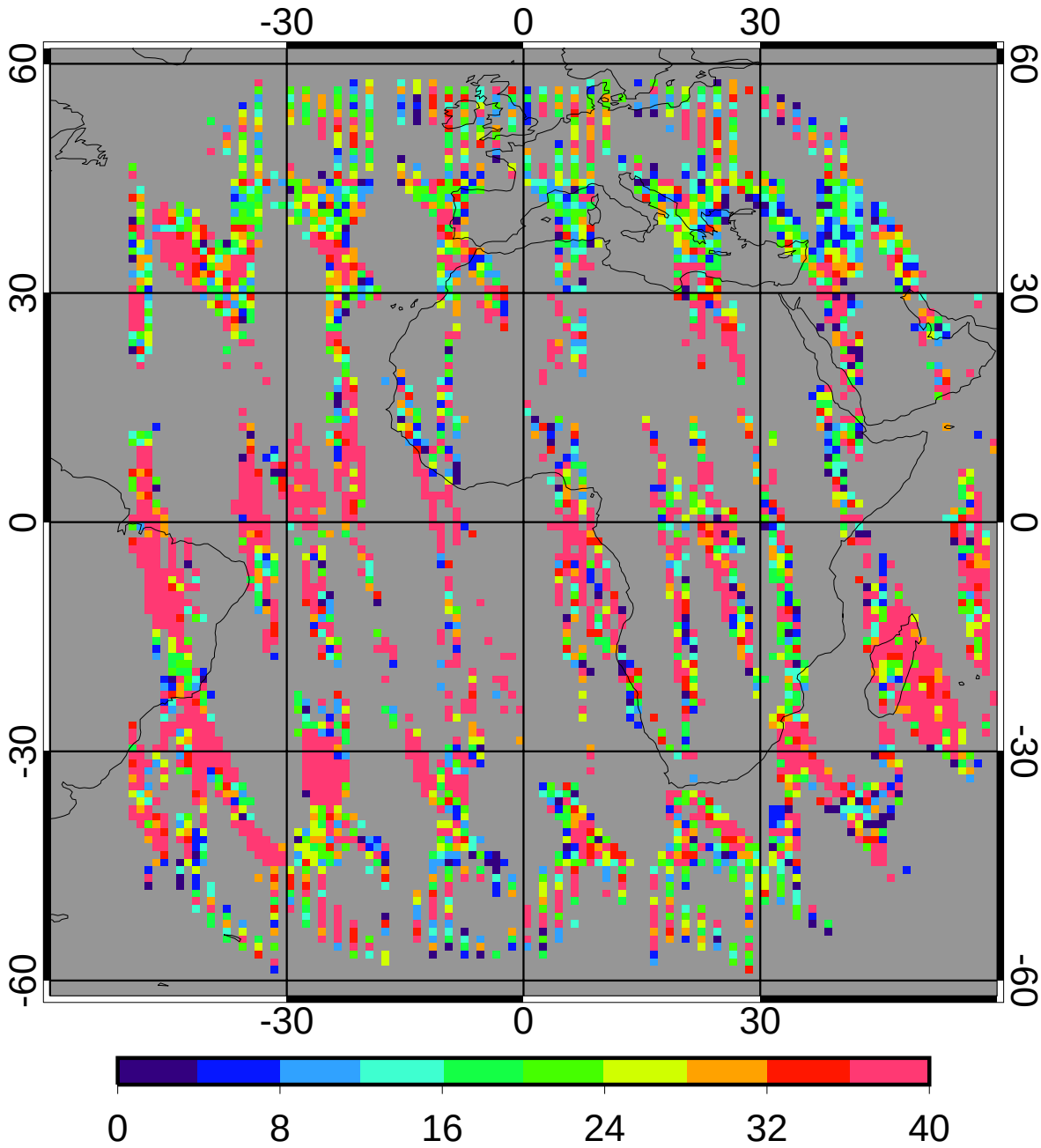
5ch Jan 2010 (matched angle) (lapse rate)



bias	13.13	31.20%
domain sigma	29.18	69.34%

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

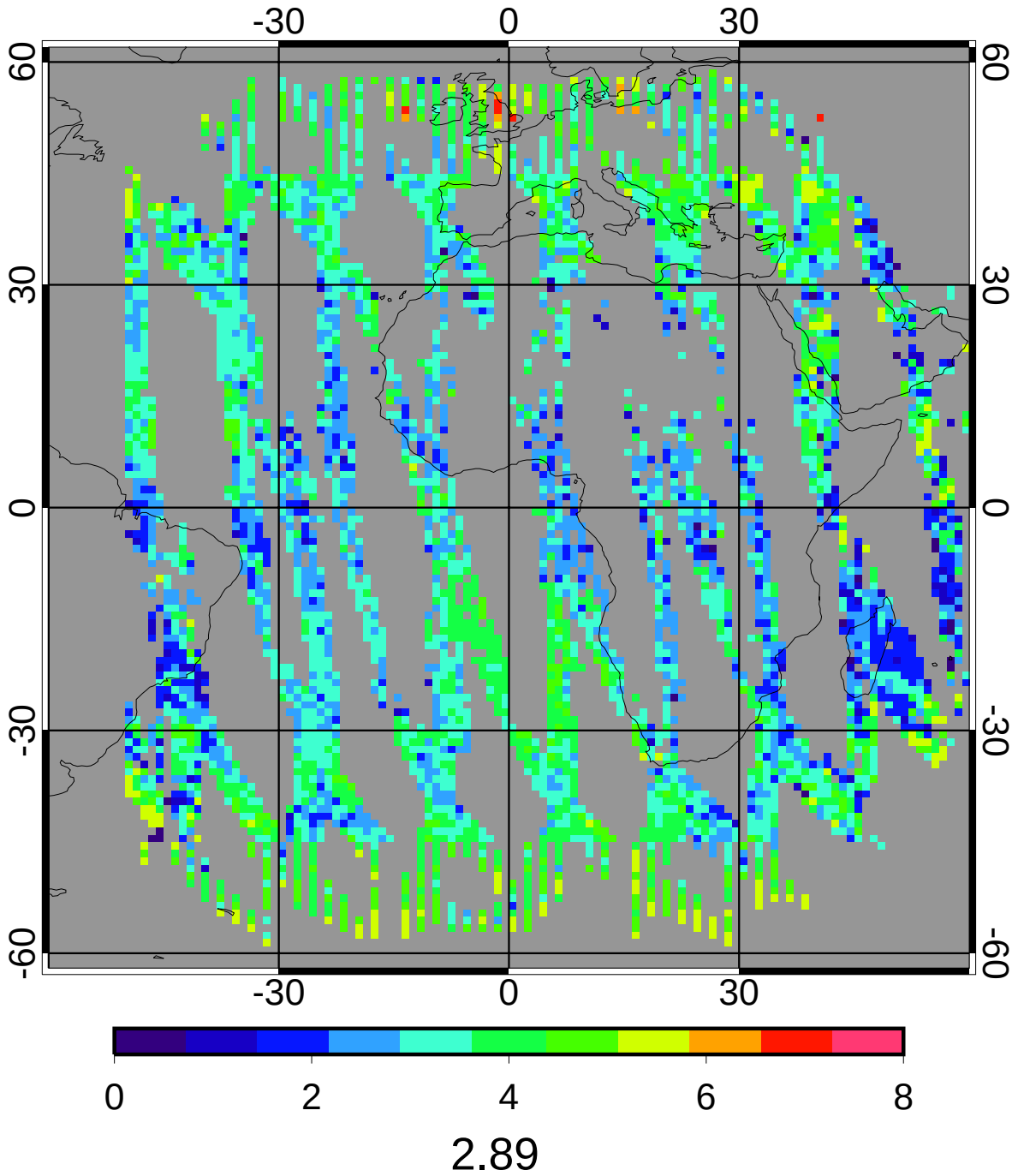
5ch Jan 2010 (matched angle) (lapse rate)



regave rms	24.17	57.43%
domain rms	35.14	83.50%

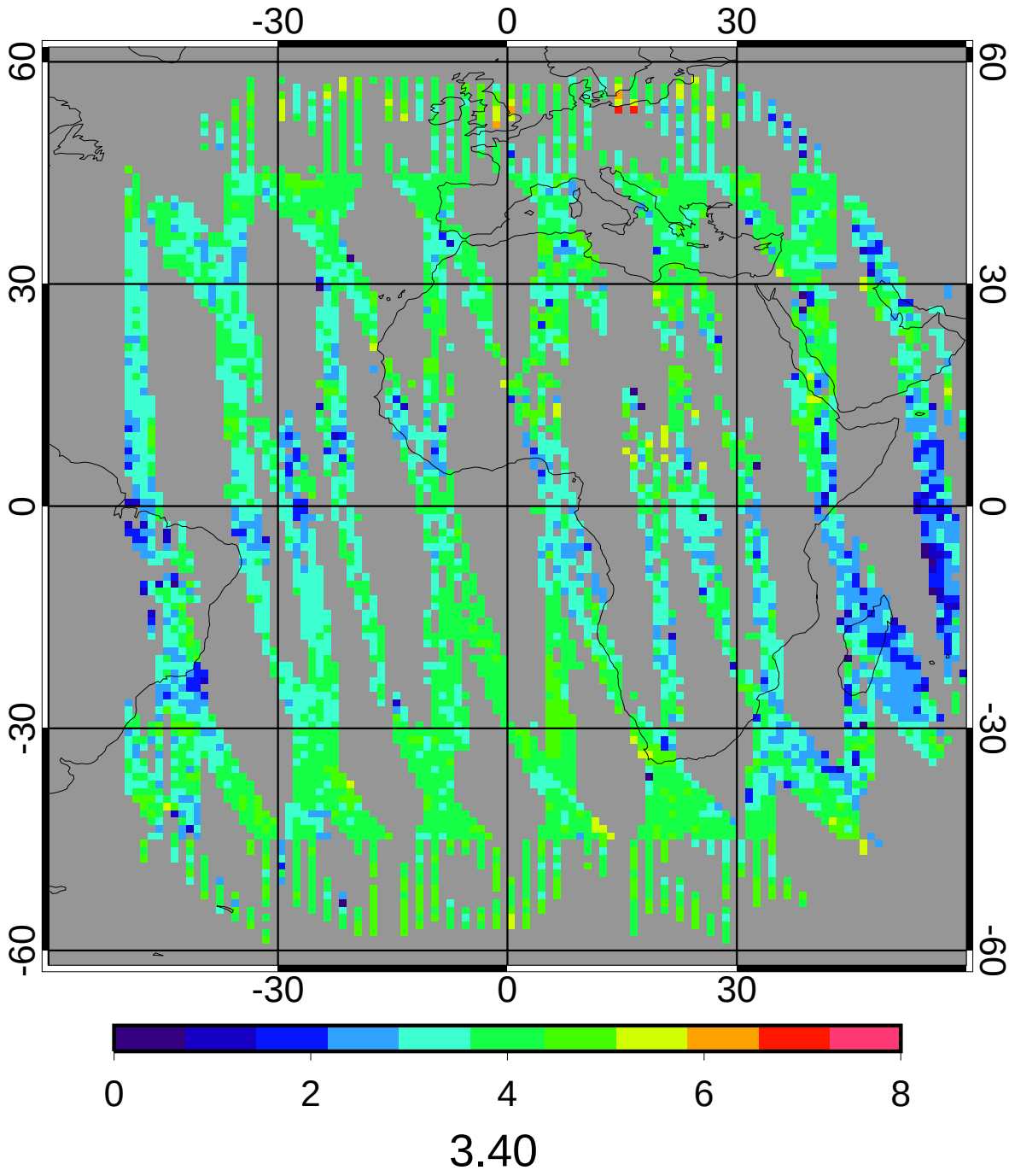
GGEO MEAN Nighttime Log Liquid Water Path (g/m2)

5ch Jan 2010 (matched angle) (lapse rate)



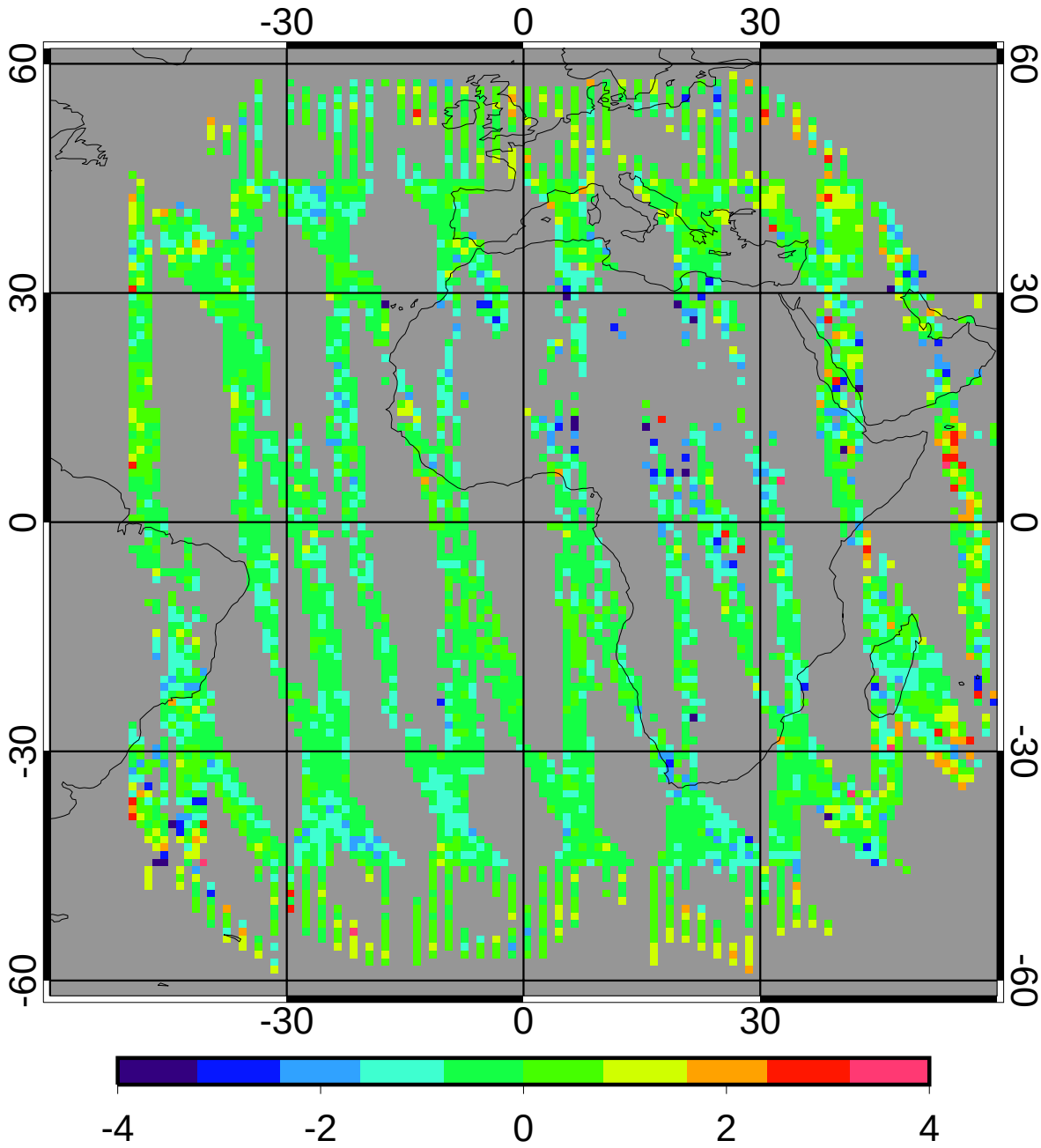
CERES/Terra MEAN Nighttime Log Liquid Water Path (g/m2)

5ch Jan 2010 (matched angle) (lapse rate)



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

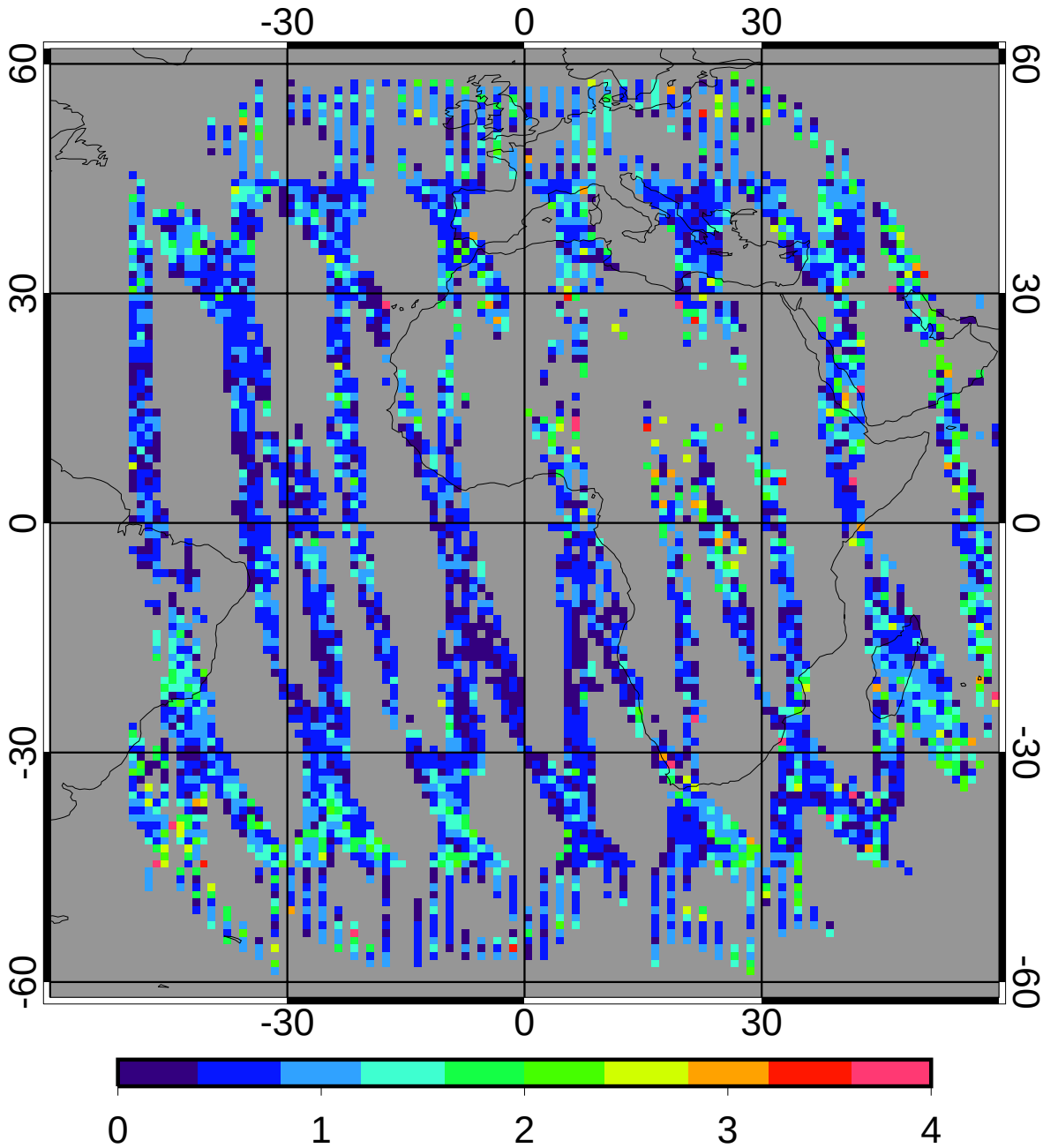
5ch Jan 2010 (matched angle) (lapse rate)



bias	-0.28	-8.18%
domain sigma	0.73	21.32%

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

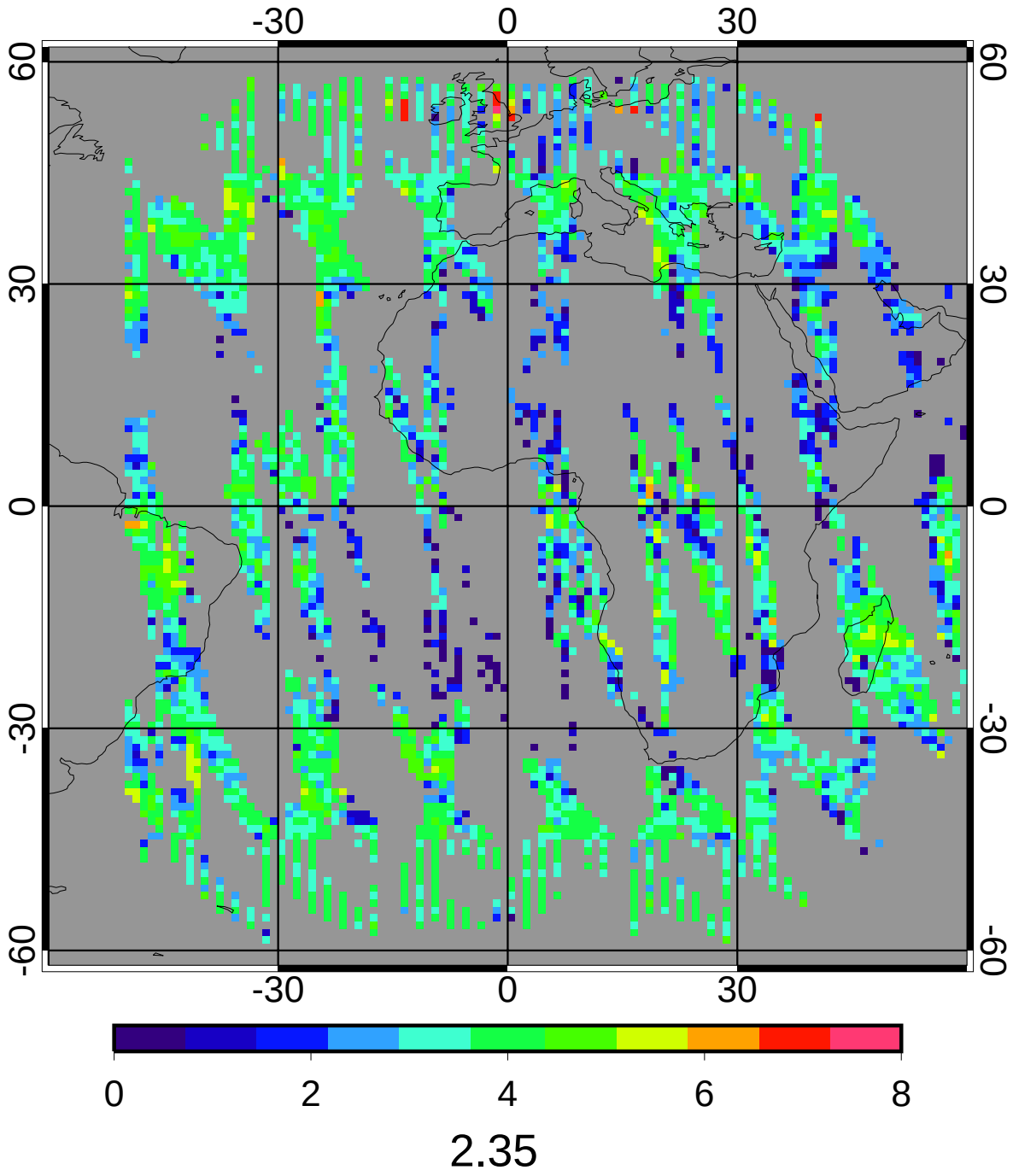
5ch Jan 2010 (matched angle) (lapse rate)



regave rms	0.74	21.84%
domain rms	0.92	27.07%

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

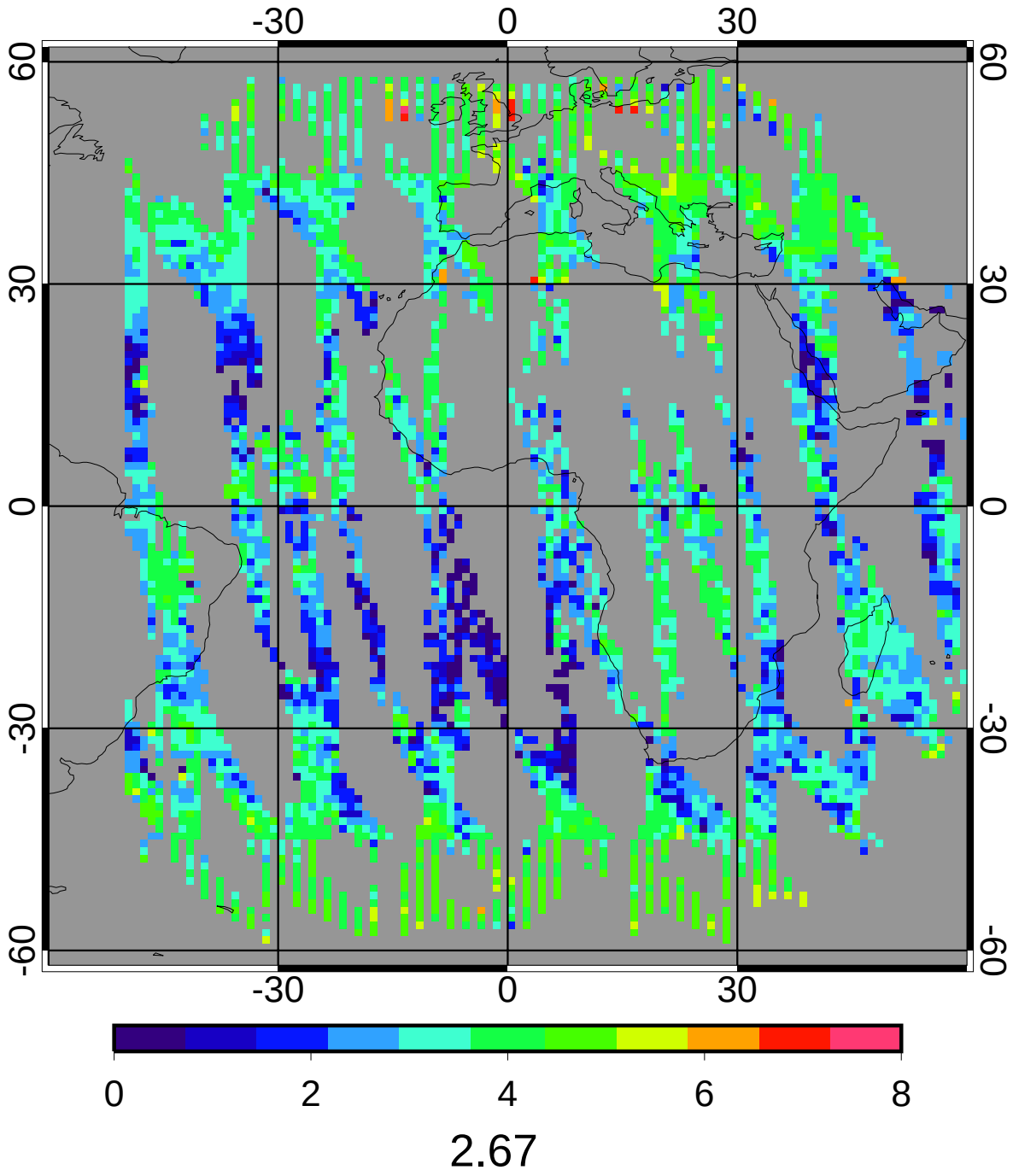
5ch Jan 2010 (matched angle) (lapse rate)



2.35

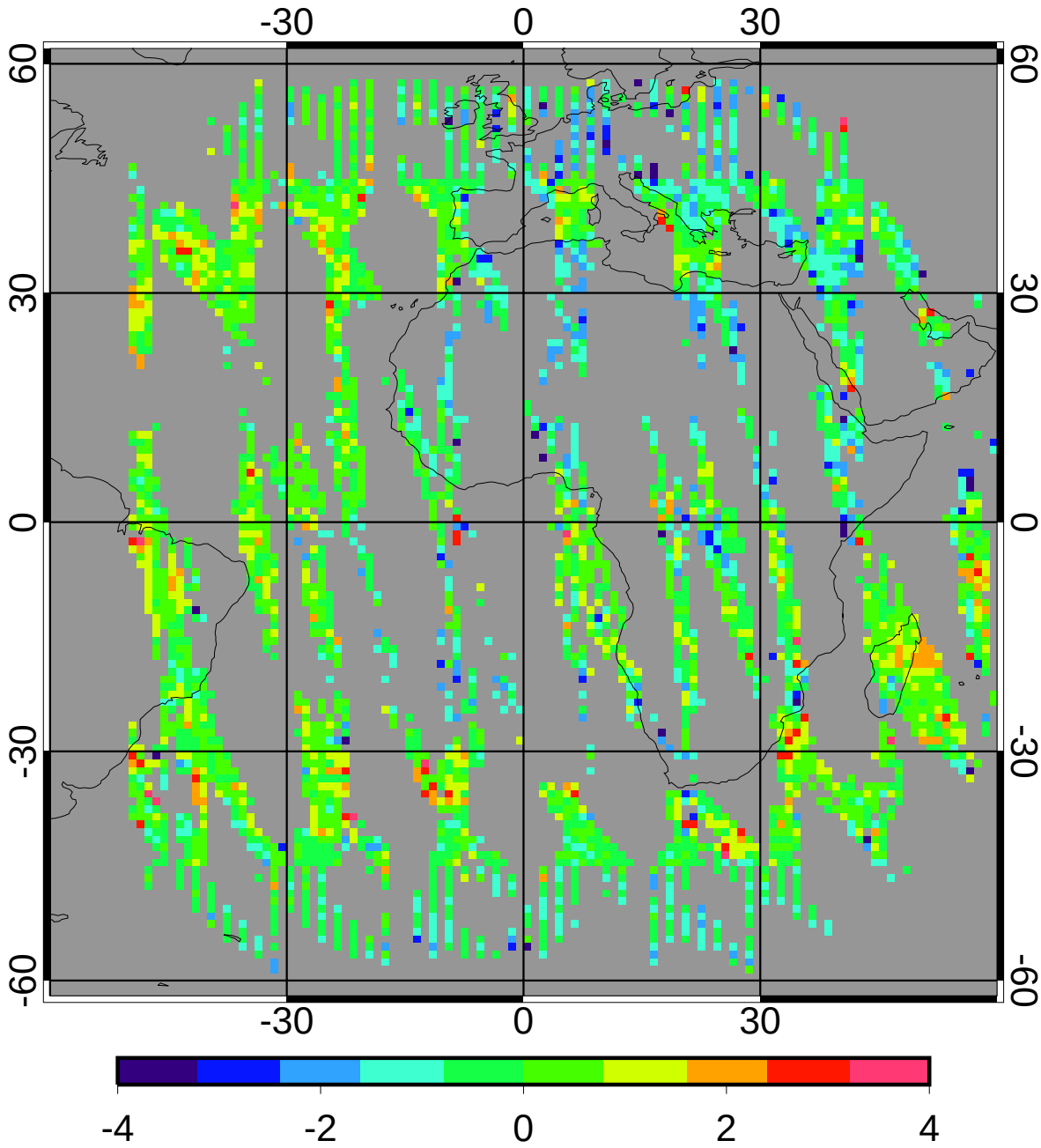
CERES/Terra MEAN Nighttime Log Ice Water Path (g/m2)

5ch Jan 2010 (matched angle) (lapse rate)



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

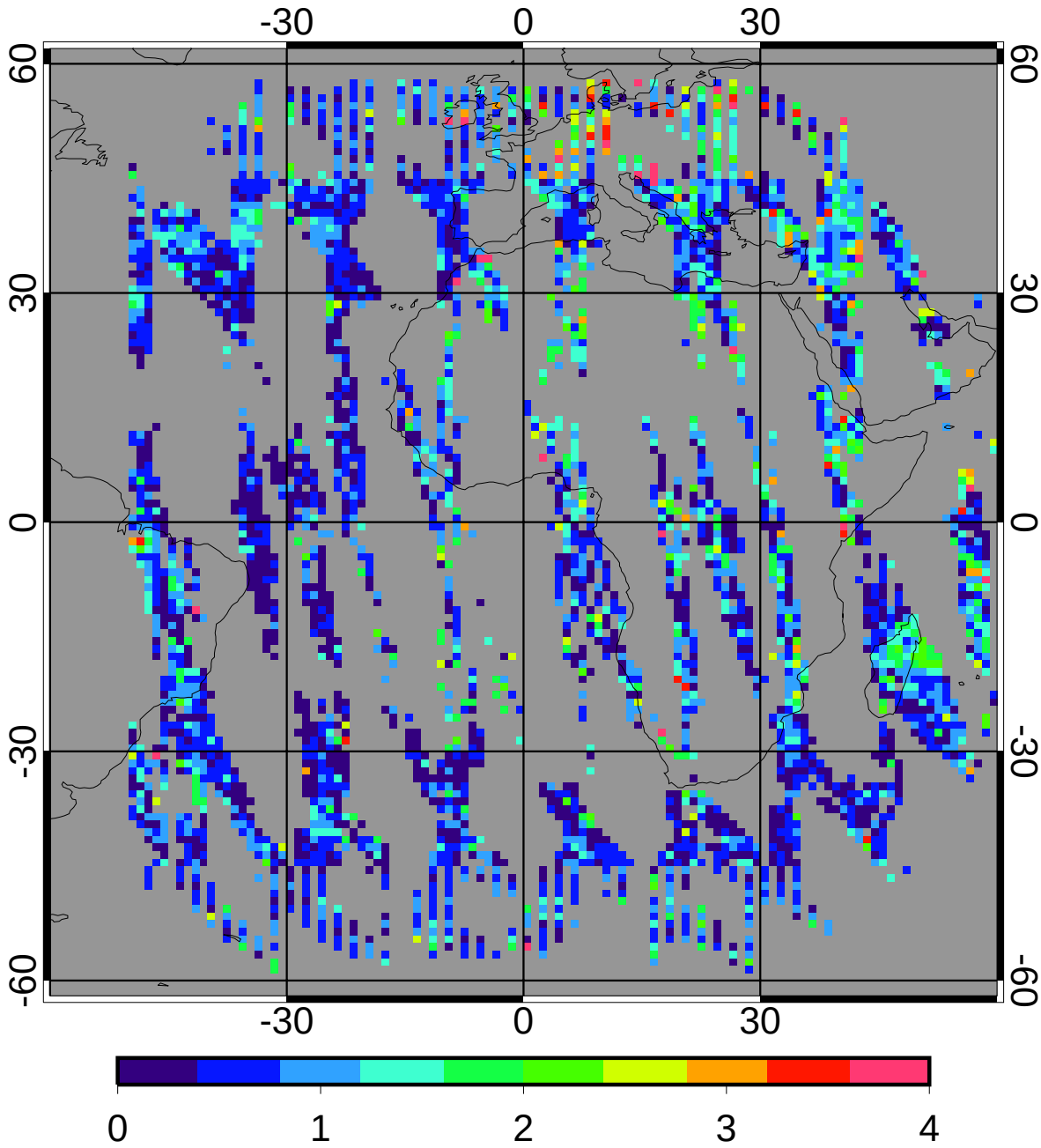
5ch Jan 2010 (matched angle) (lapse rate)



bias	-0.07	-2.76%
domain sigma	0.92	34.27%

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

5ch Jan 2010 (matched angle) (lapse rate)



regave rms	0.61	22.79%
domain rms	1.00	37.44%