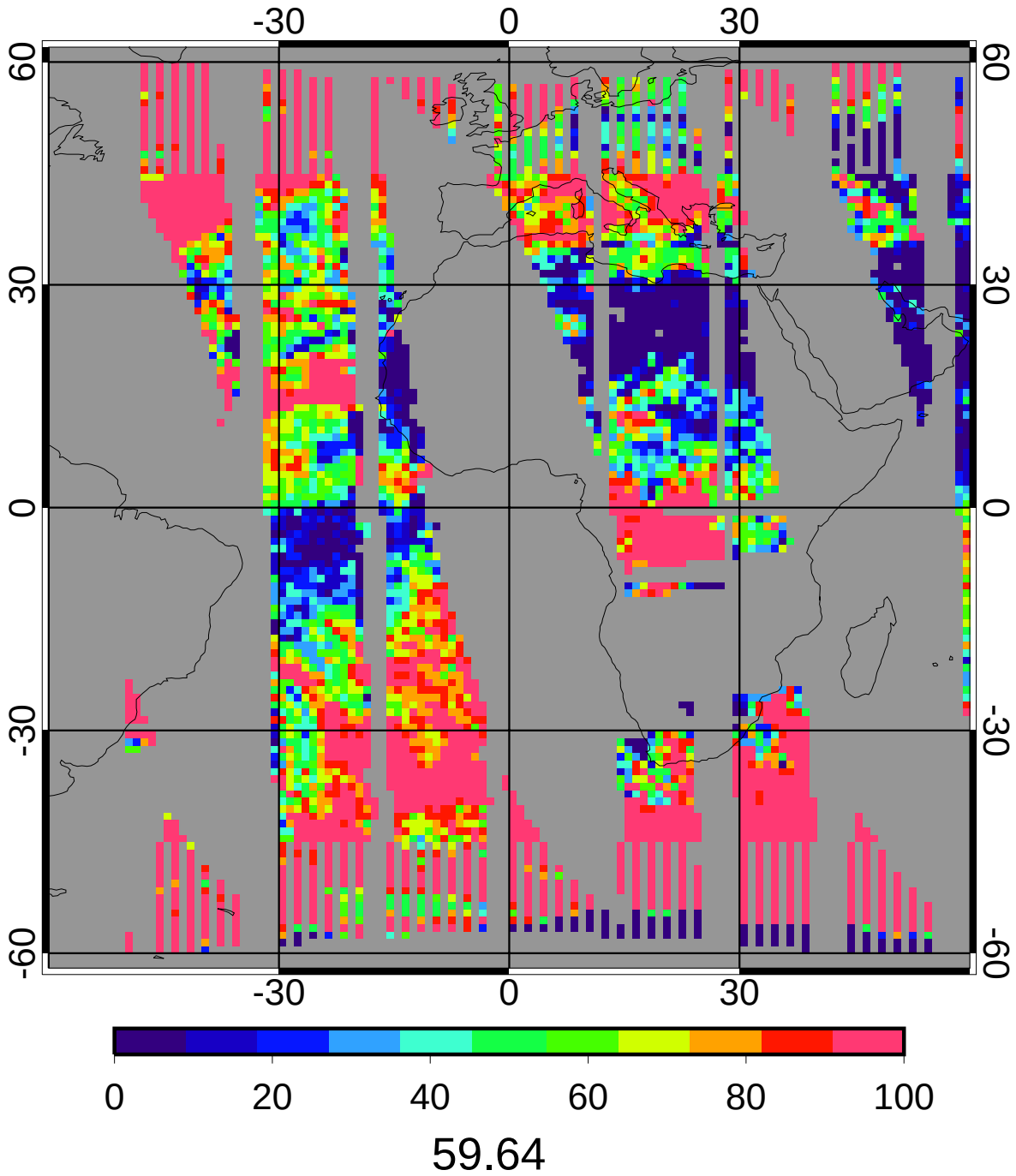
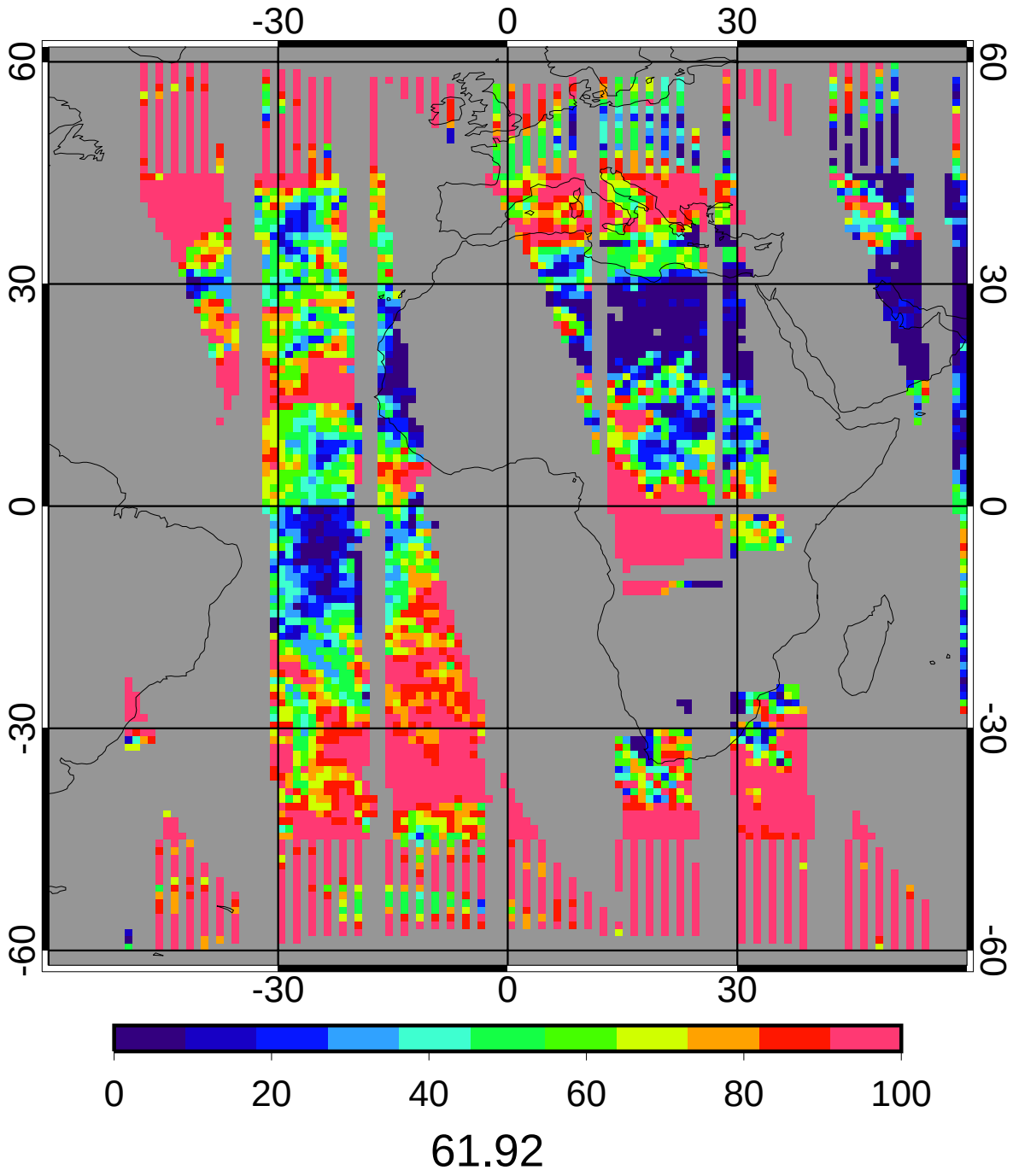
GGEO MEAN Daytime Cloud Amount (%)

5ch_39cal Oct 2010



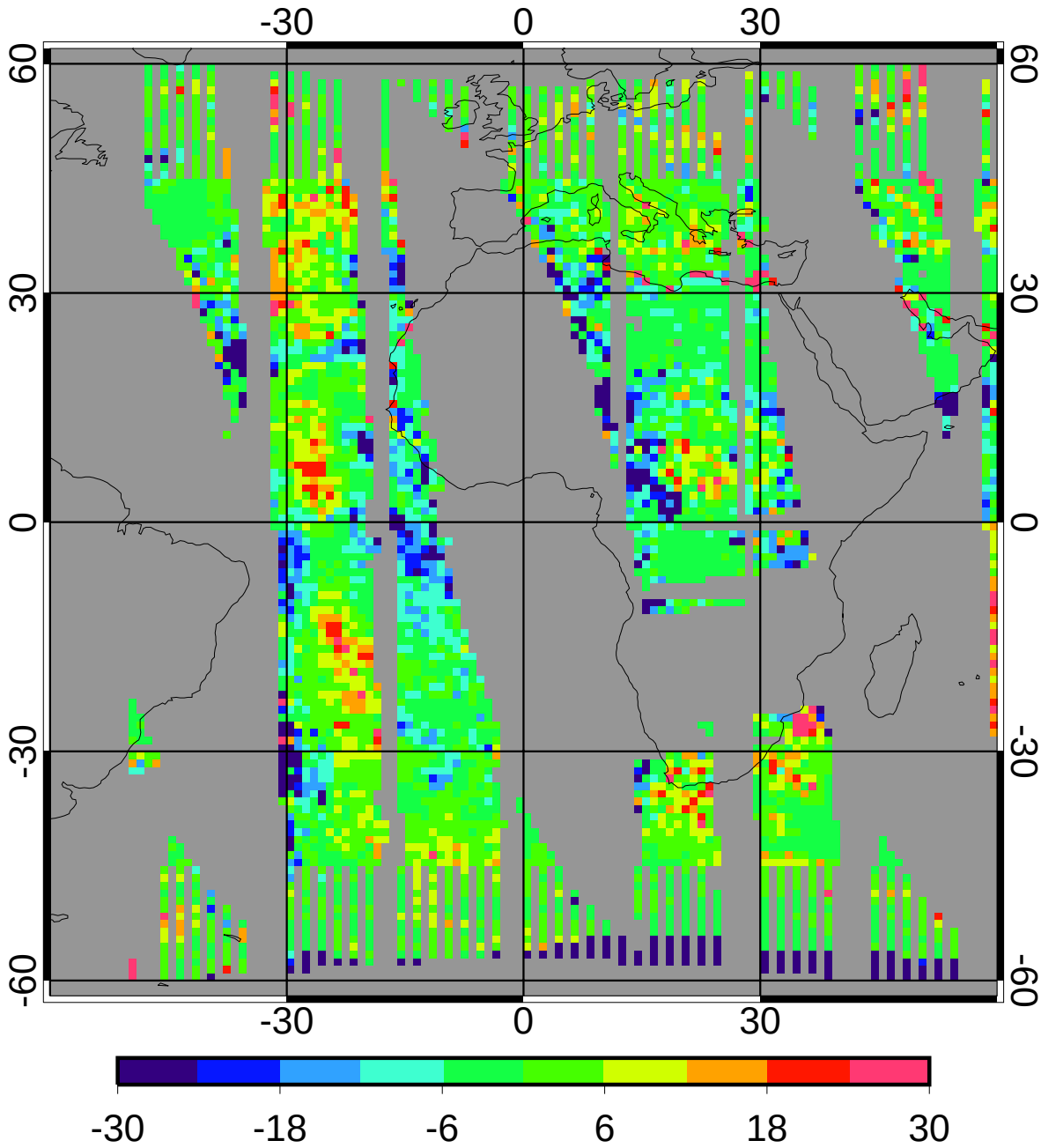
CERES/Aqua MEAN Daytime Cloud Amount (%)

5ch_39cal Oct 2010



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

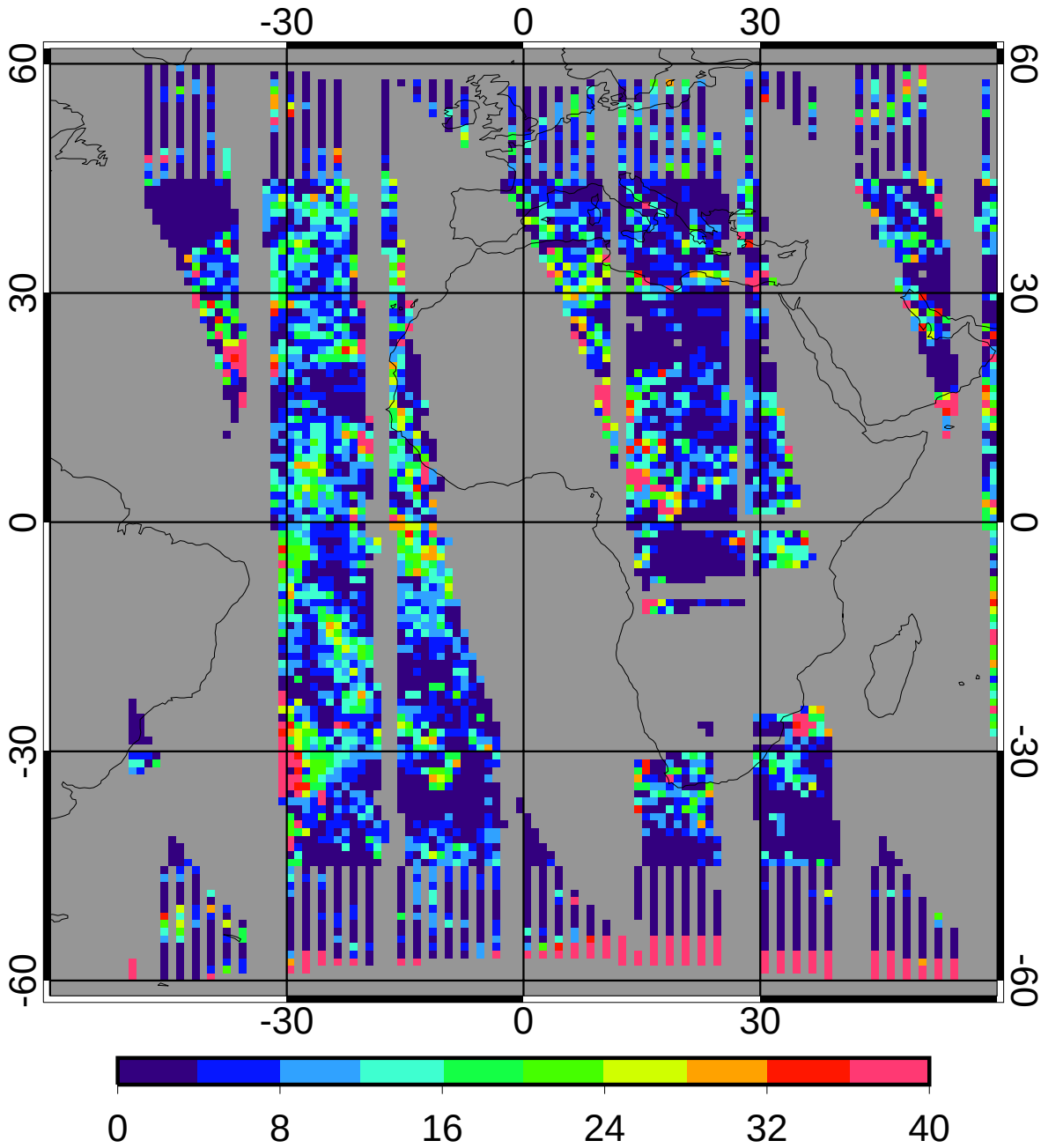
5ch_39cal Oct 2010




| | | |
|---|---|---|
| bias | -2.28 | -3.69% |
| domain sigma | 12.78 | 20.63% |

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

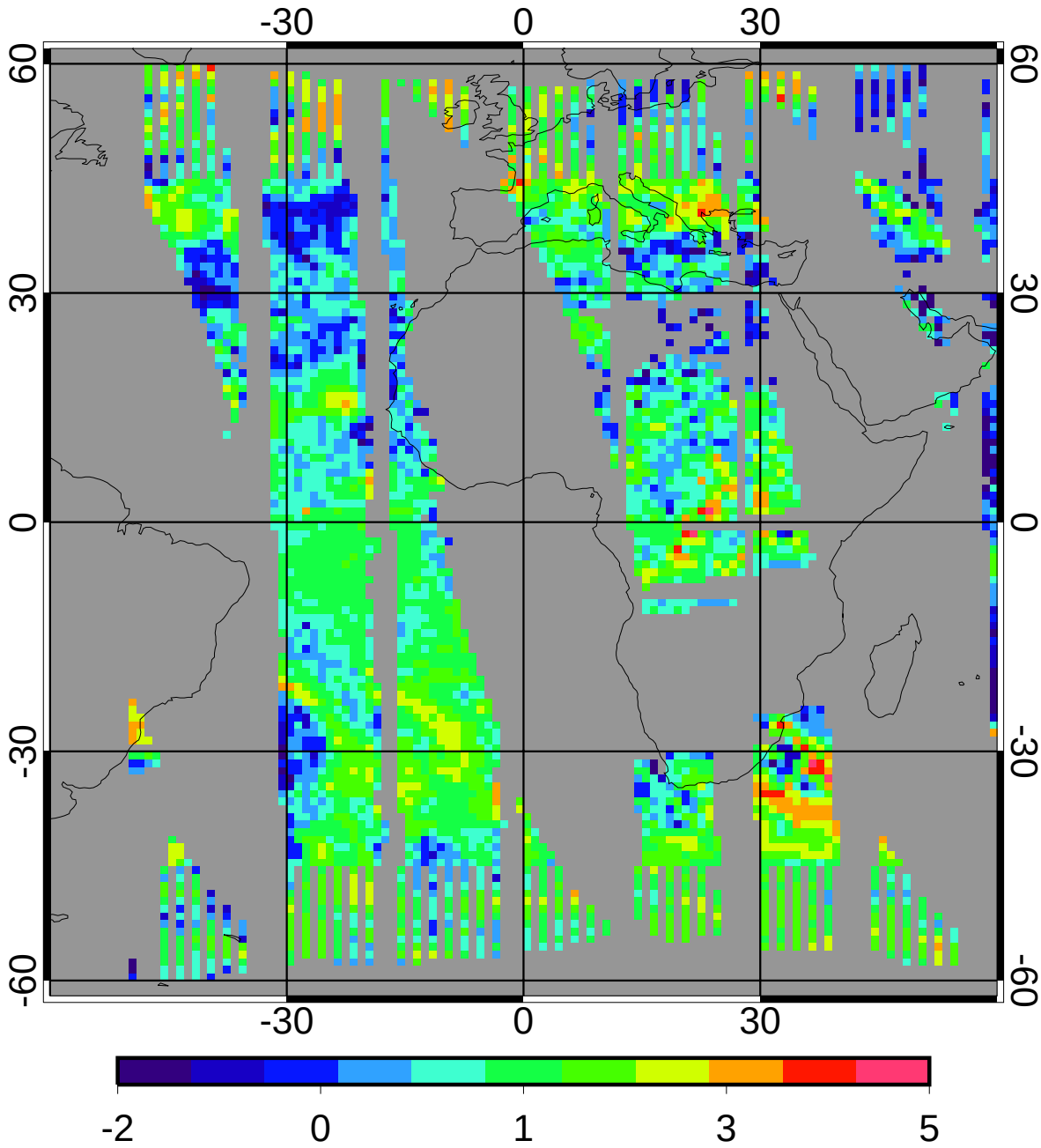
5ch_39cal Oct 2010




| | | |
|---|---|---|
| regave rms | 9.68 | 15.64% |
| domain rms | 15.07 | 24.34% |

GGEO MEAN Daytime Log Optical Depth

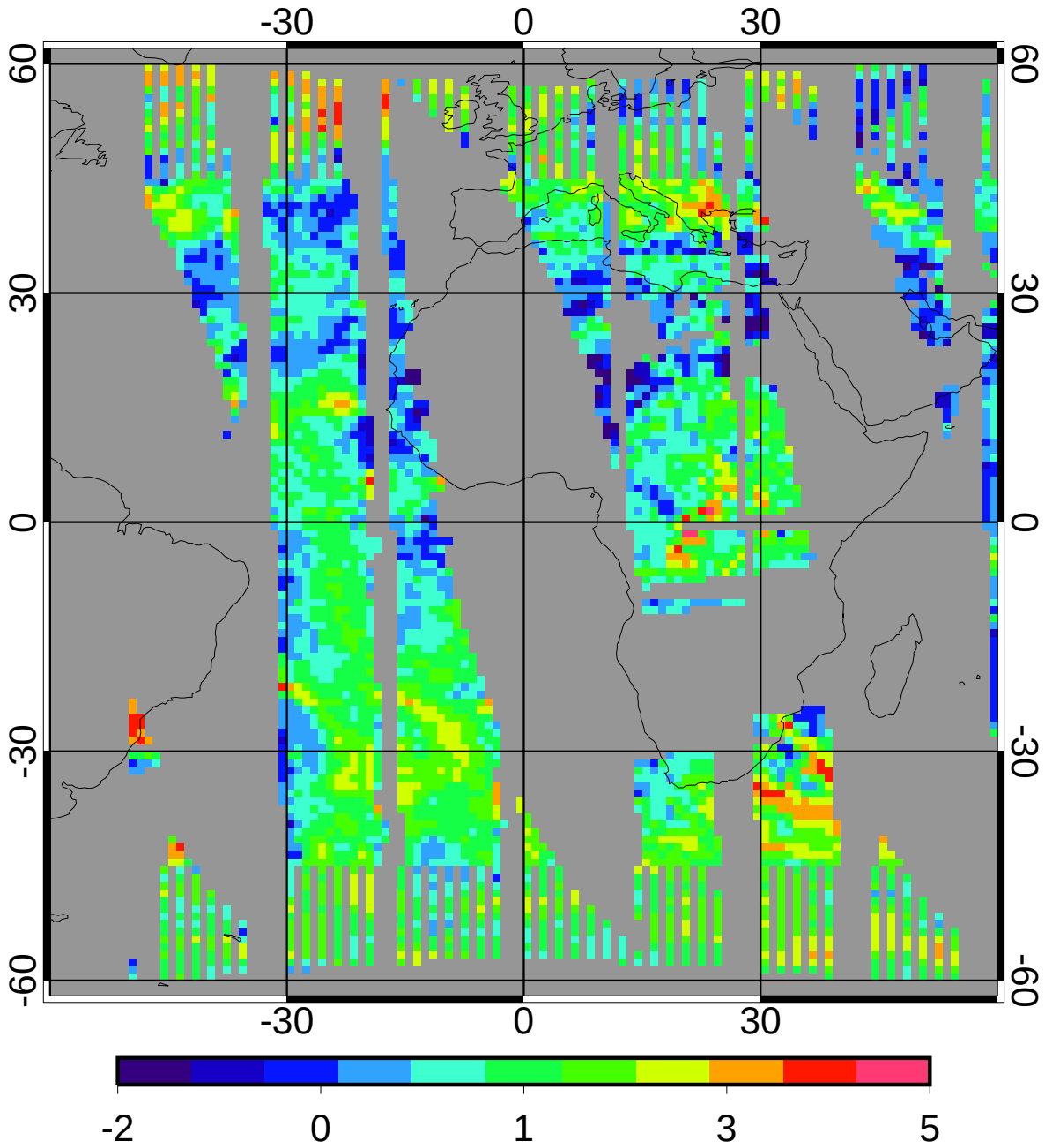
5ch_39cal Oct 2010




1.05

CERES/Aqua MEAN Daytime Log Optical Depth

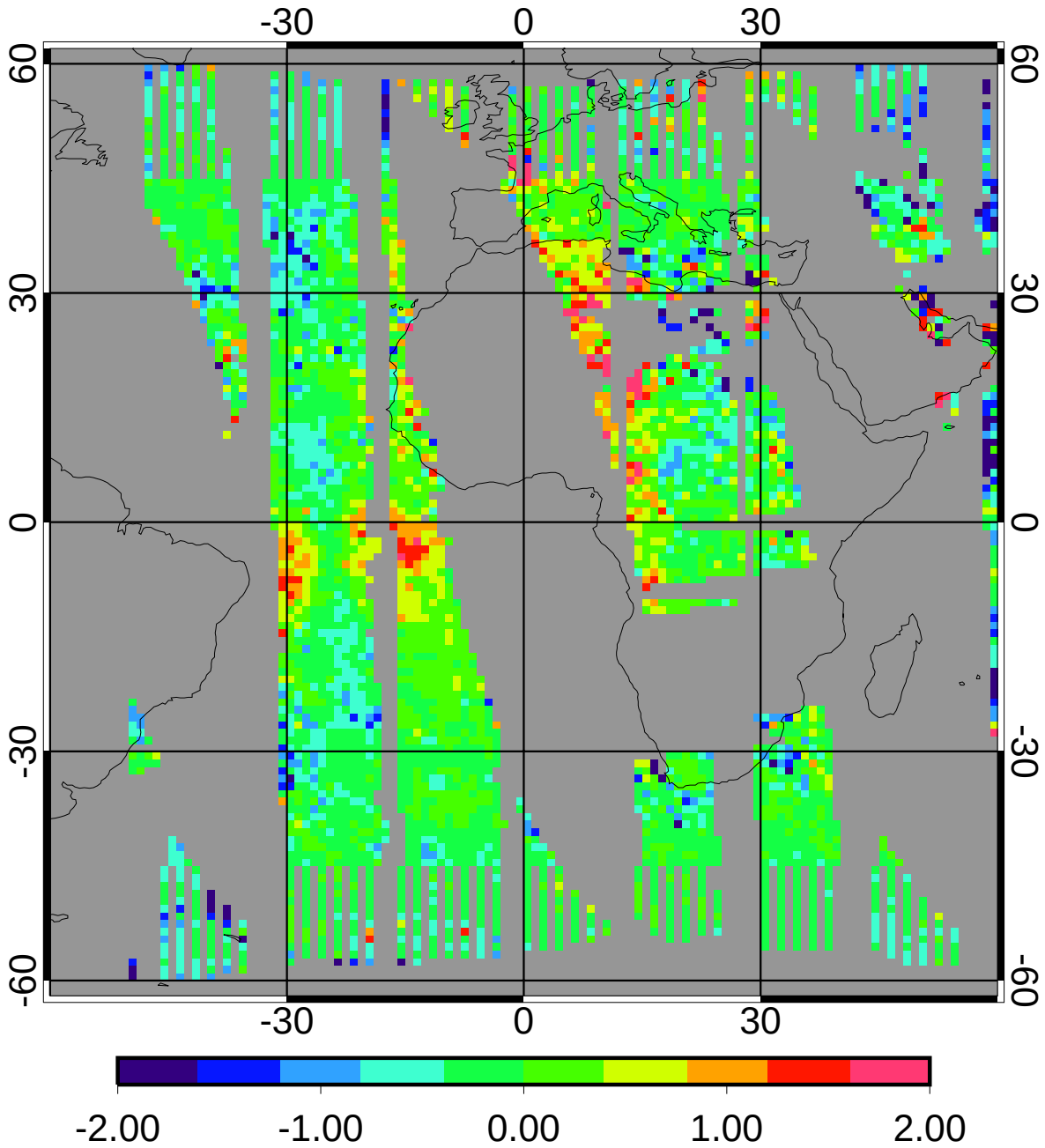
5ch_39cal Oct 2010




1.15

GGEO - CERES/Aqua Daytime Log Optical Depth Bias

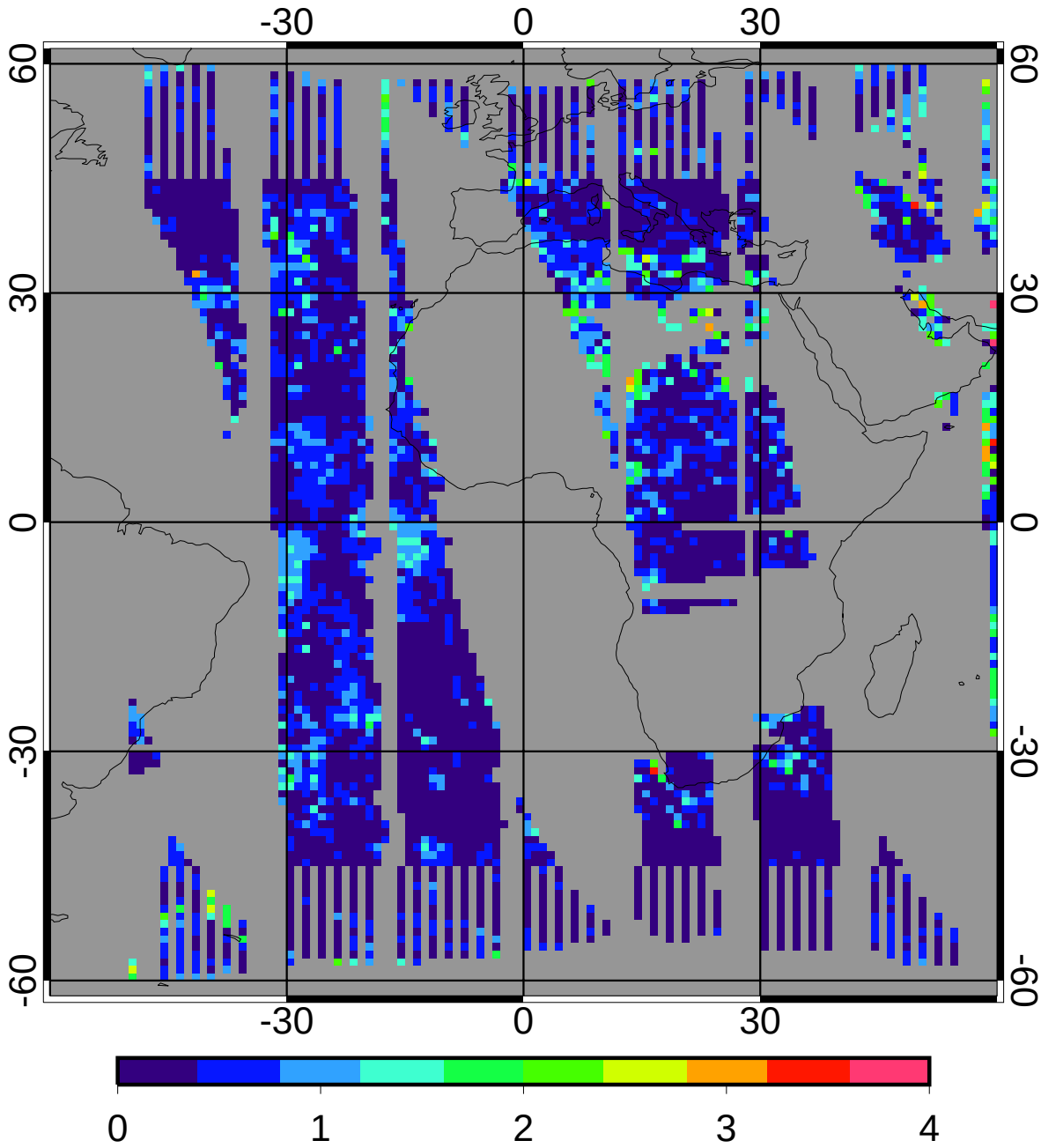
5ch_39cal Oct 2010




| | | |
|---|---|---|
| bias | -0.09 | -7.51% |
| domain sigma | 0.51 | 44.85% |

GGEO - CERES/Aqua Daytime Log Optical Depth RMS

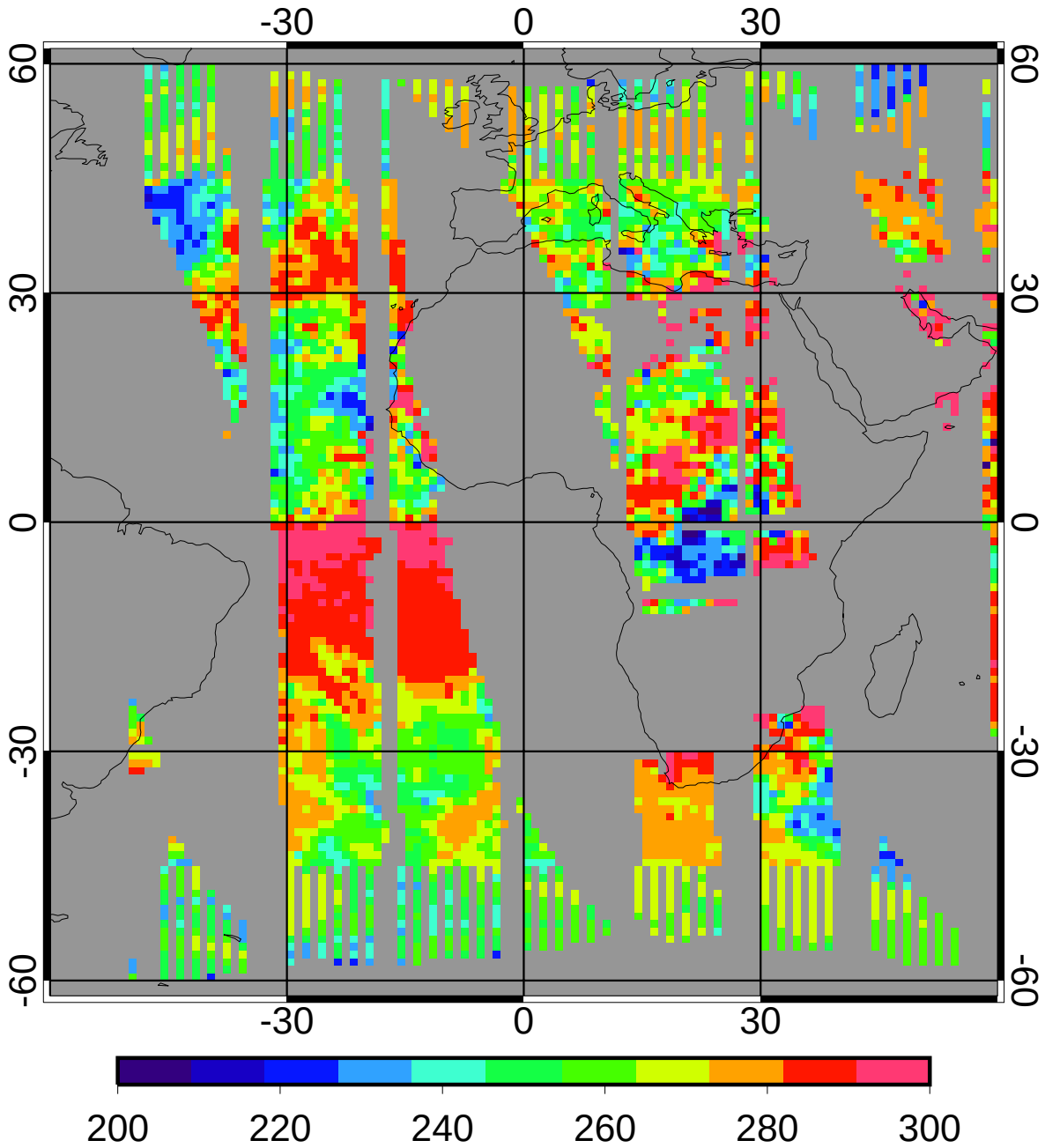
5ch_39cal Oct 2010




| | | |
|---|---|---|
| regave rms | 0.42 | 37.03% |
| domain rms | 0.56 | 49.17% |

GGEO MEAN Daytime Cloud Temperature (K)

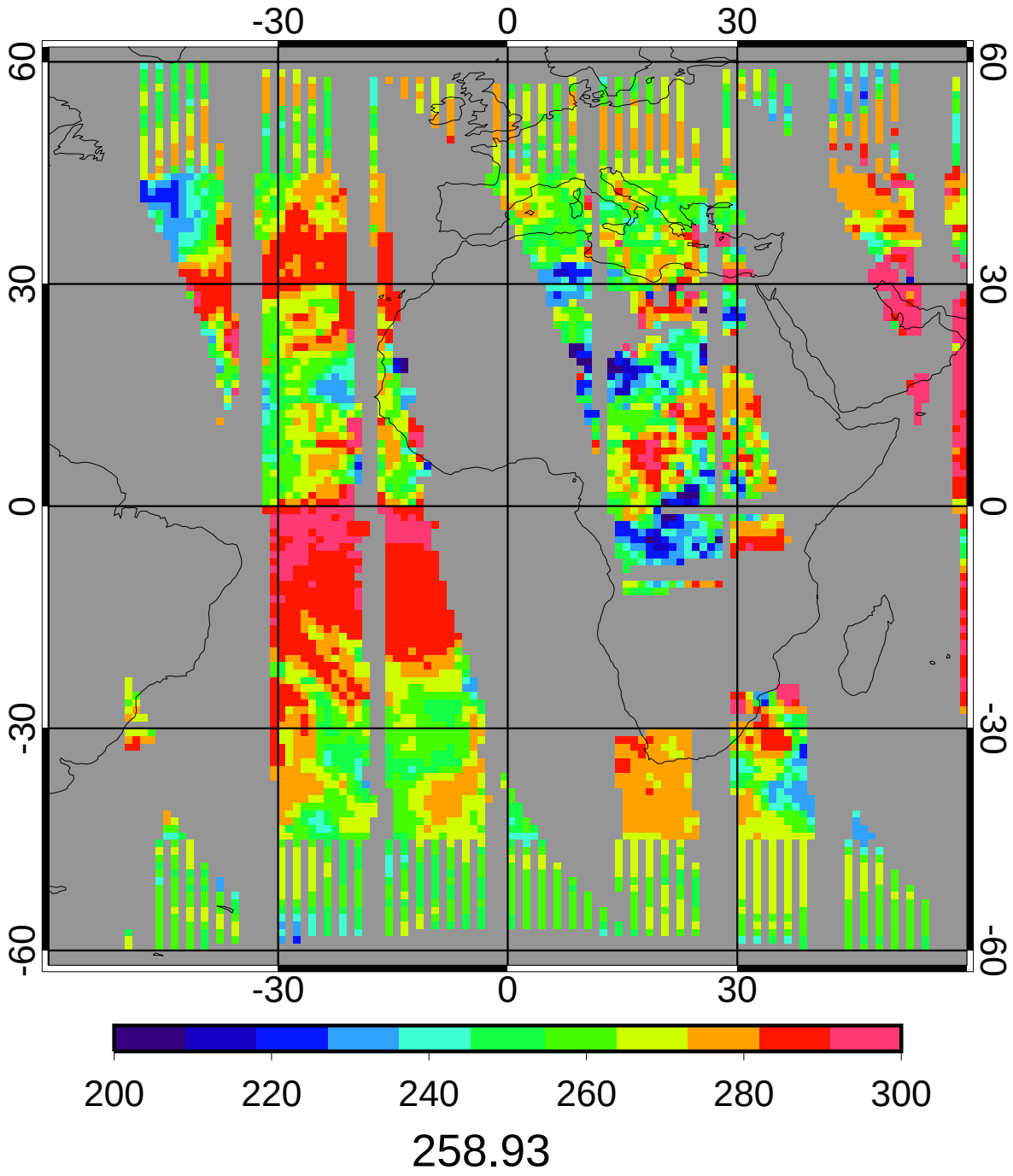
5ch_39cal Oct 2010




246.25

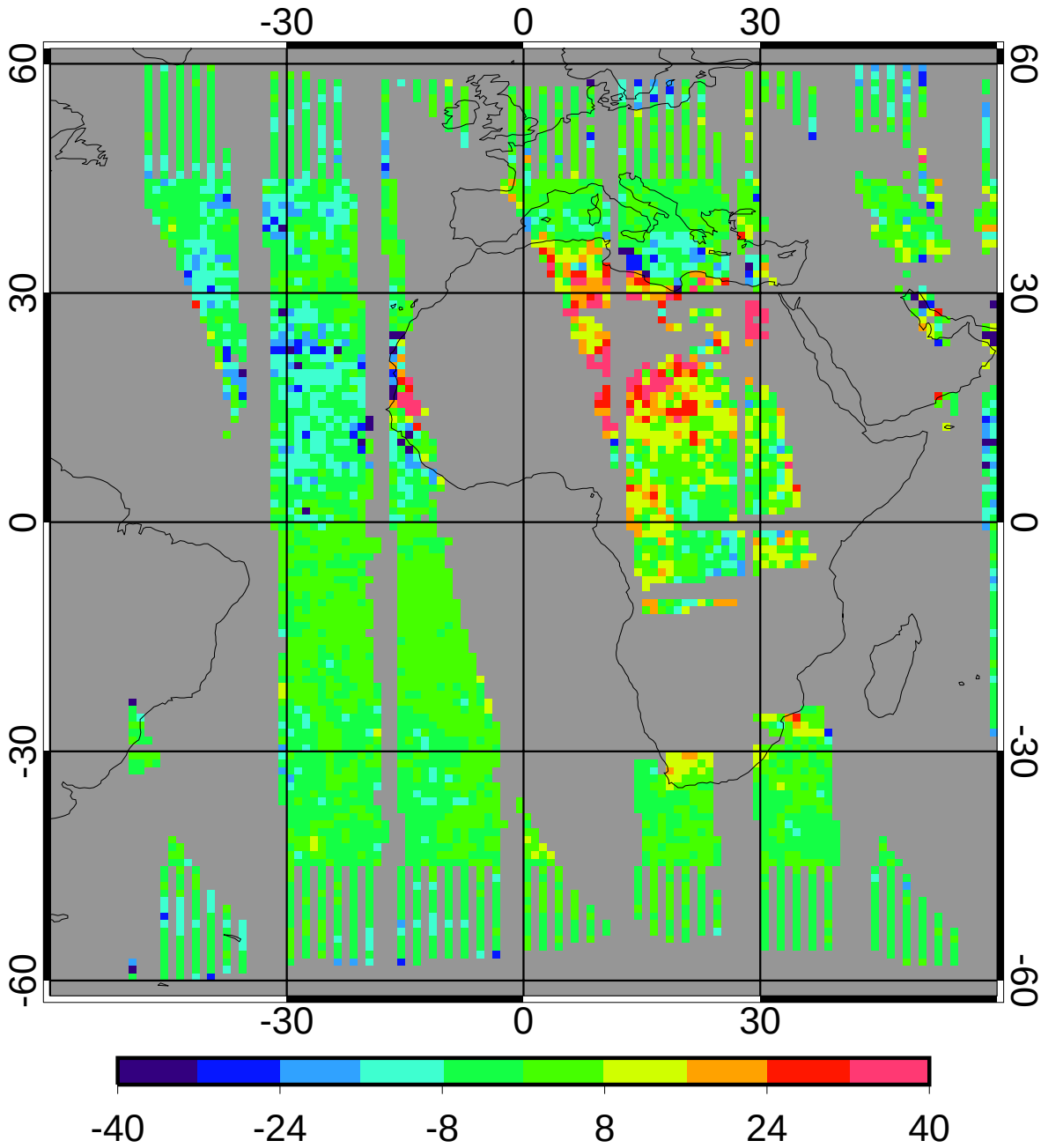
CERES/Aqua MEAN Daytime Cloud Temperature (K)

5ch_39cal Oct 2010



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

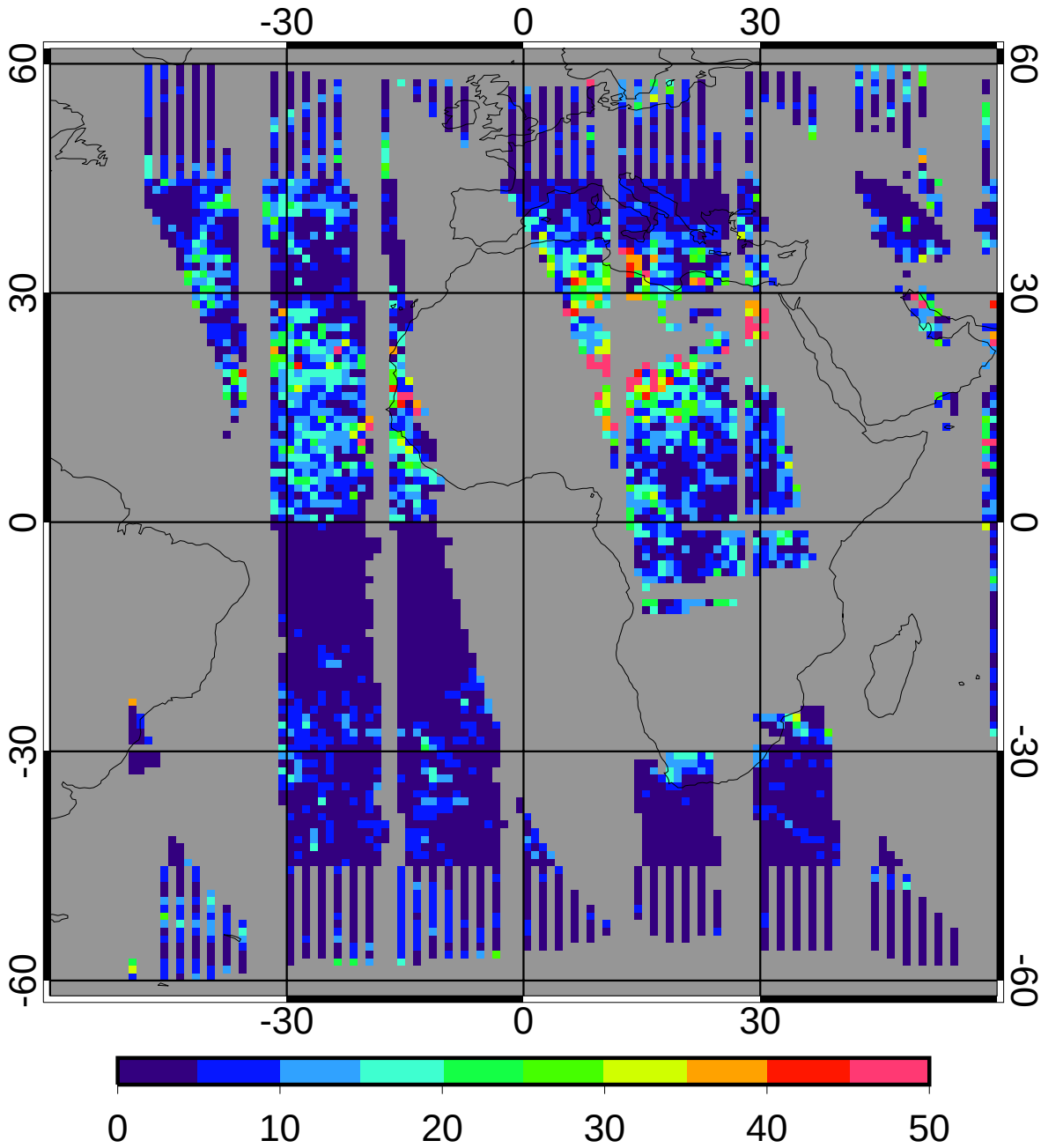
5ch_39cal Oct 2010




| | | |
|---|---|---|
| bias | -0.44 | -0.17% |
| domain sigma | 9.85 | 3.80% |

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

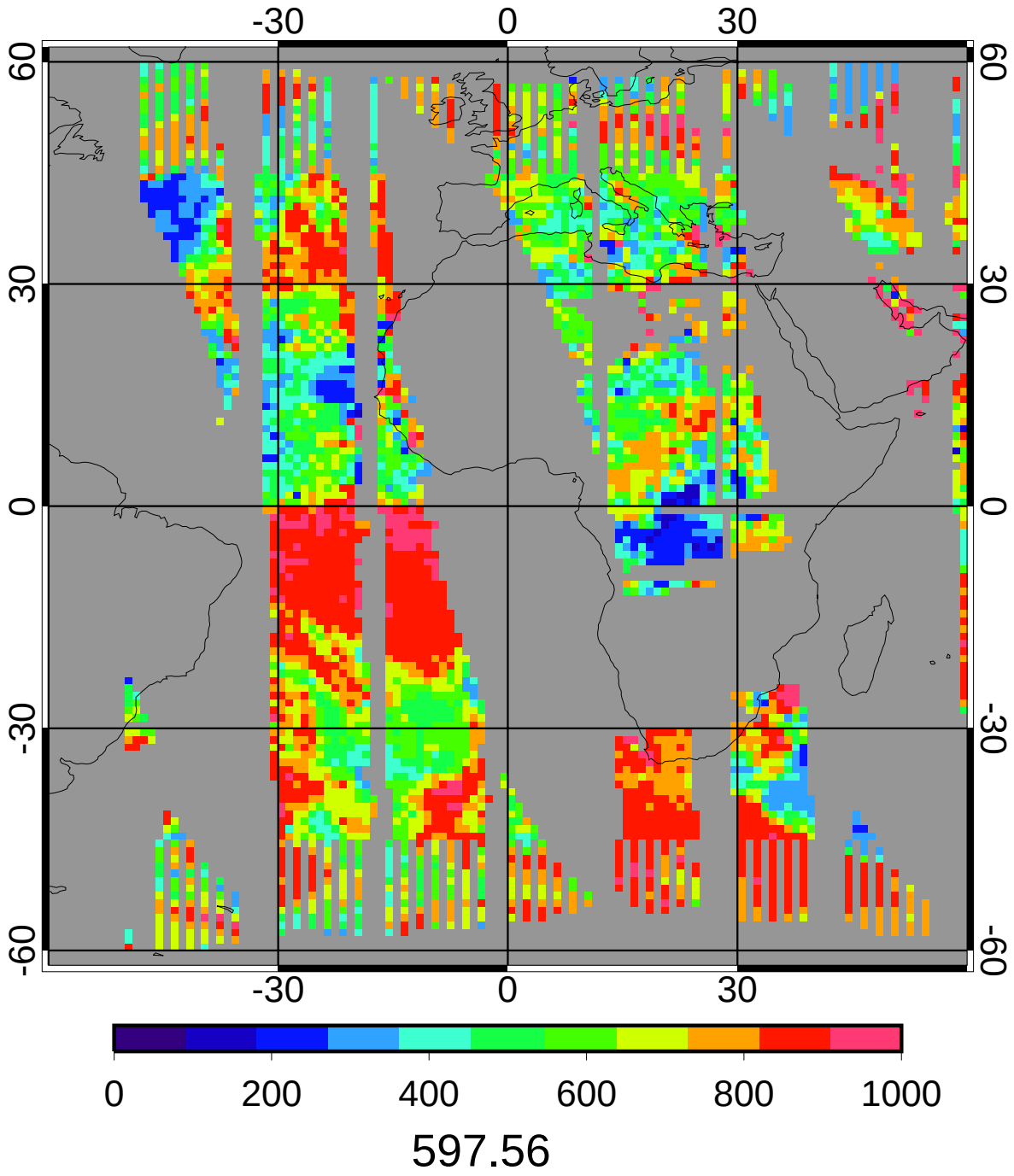
5ch_39cal Oct 2010




| | | |
|---|---|---|
| regave rms | 6.71 | 2.59% |
| domain rms | 10.07 | 3.89% |

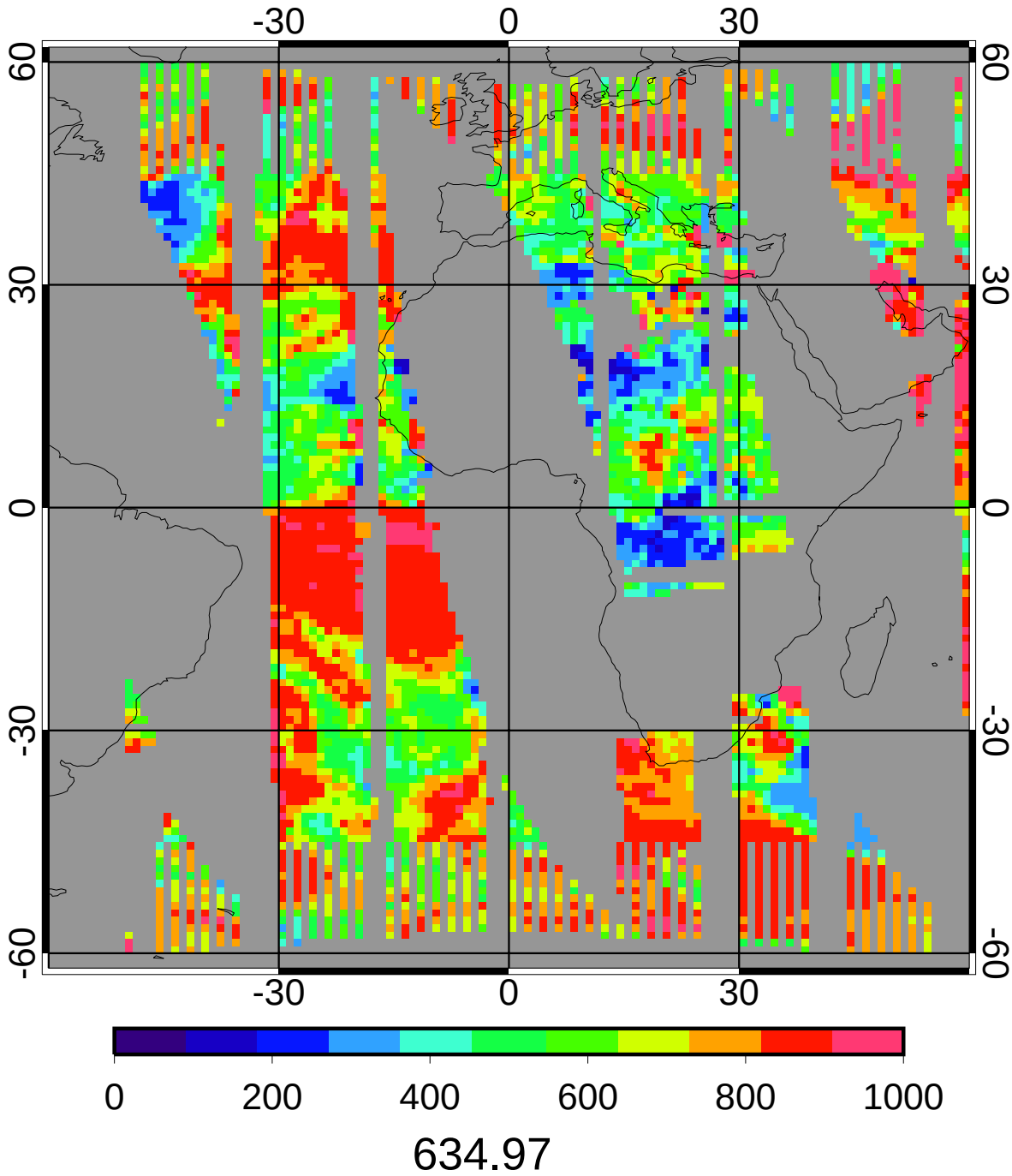
GGEO MEAN Daytime Cloud Eff Pressure (mb)

5ch_39cal Oct 2010



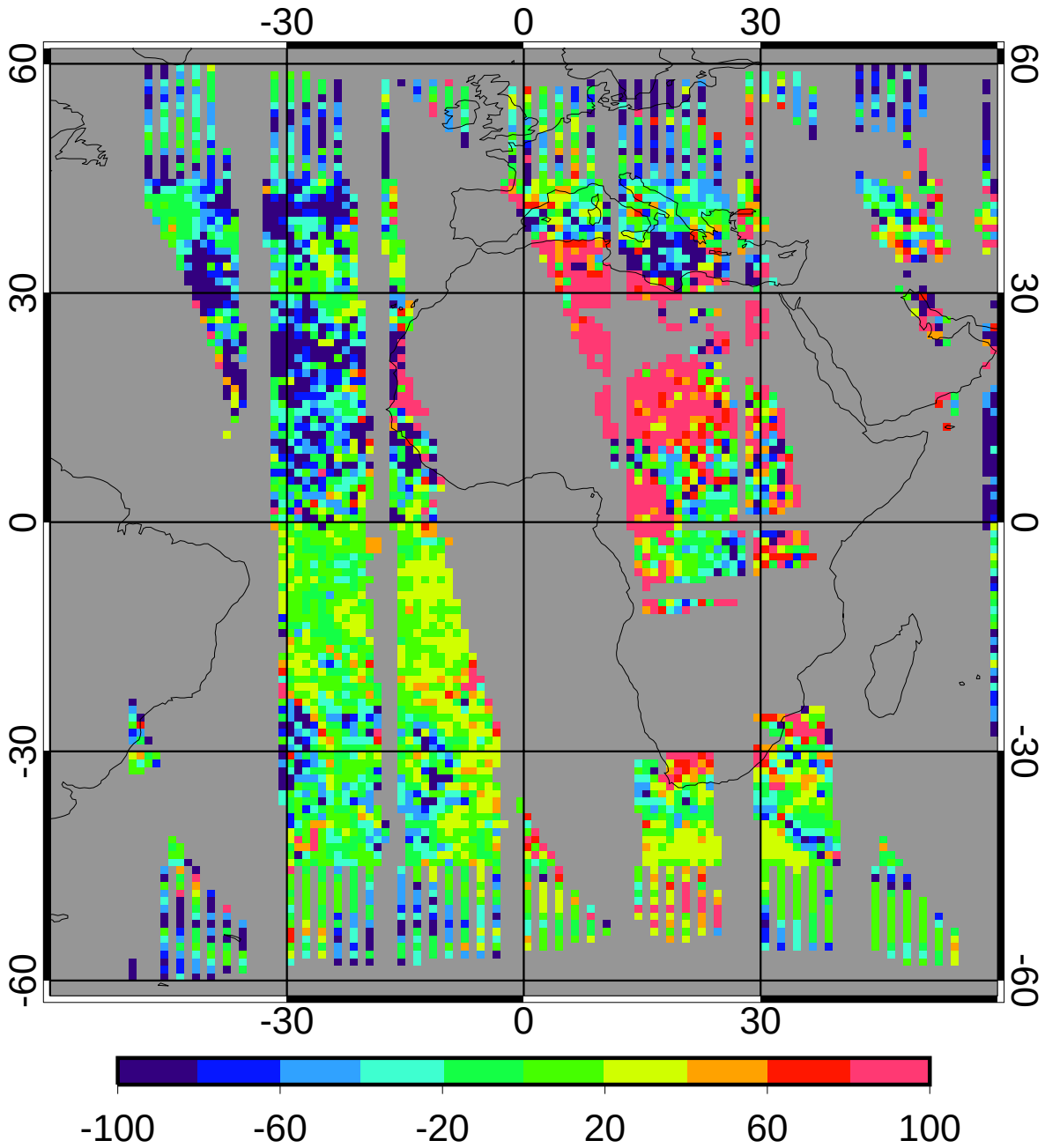
CERES/Aqua MEAN Daytime Cloud Eff Pressure (mb)

5ch_39cal Oct 2010



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

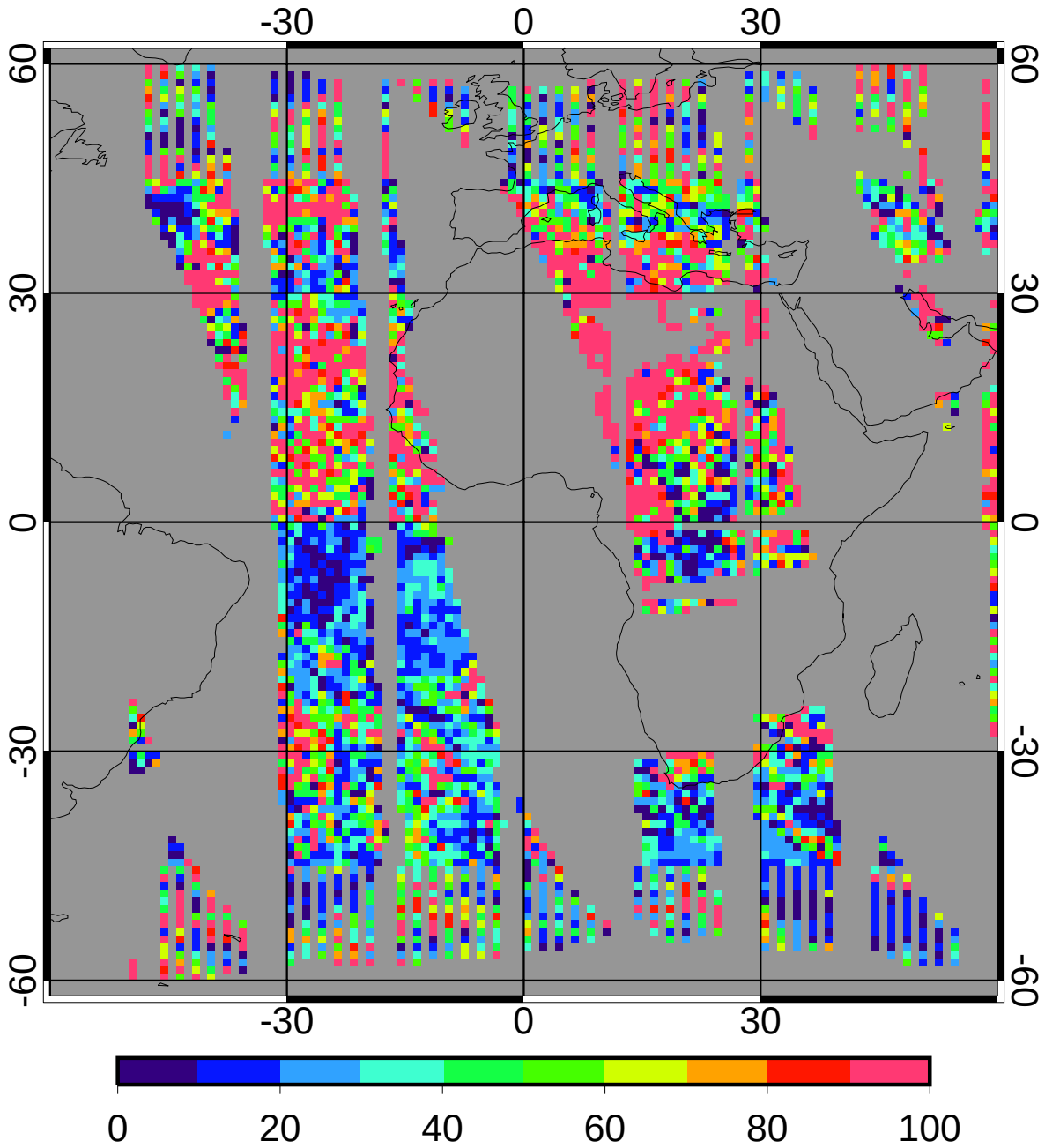
5ch_39cal Oct 2010




| | | |
|---|---|---|
| bias | -4.96 | -0.78% |
| domain sigma | 85.48 | 13.46% |

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

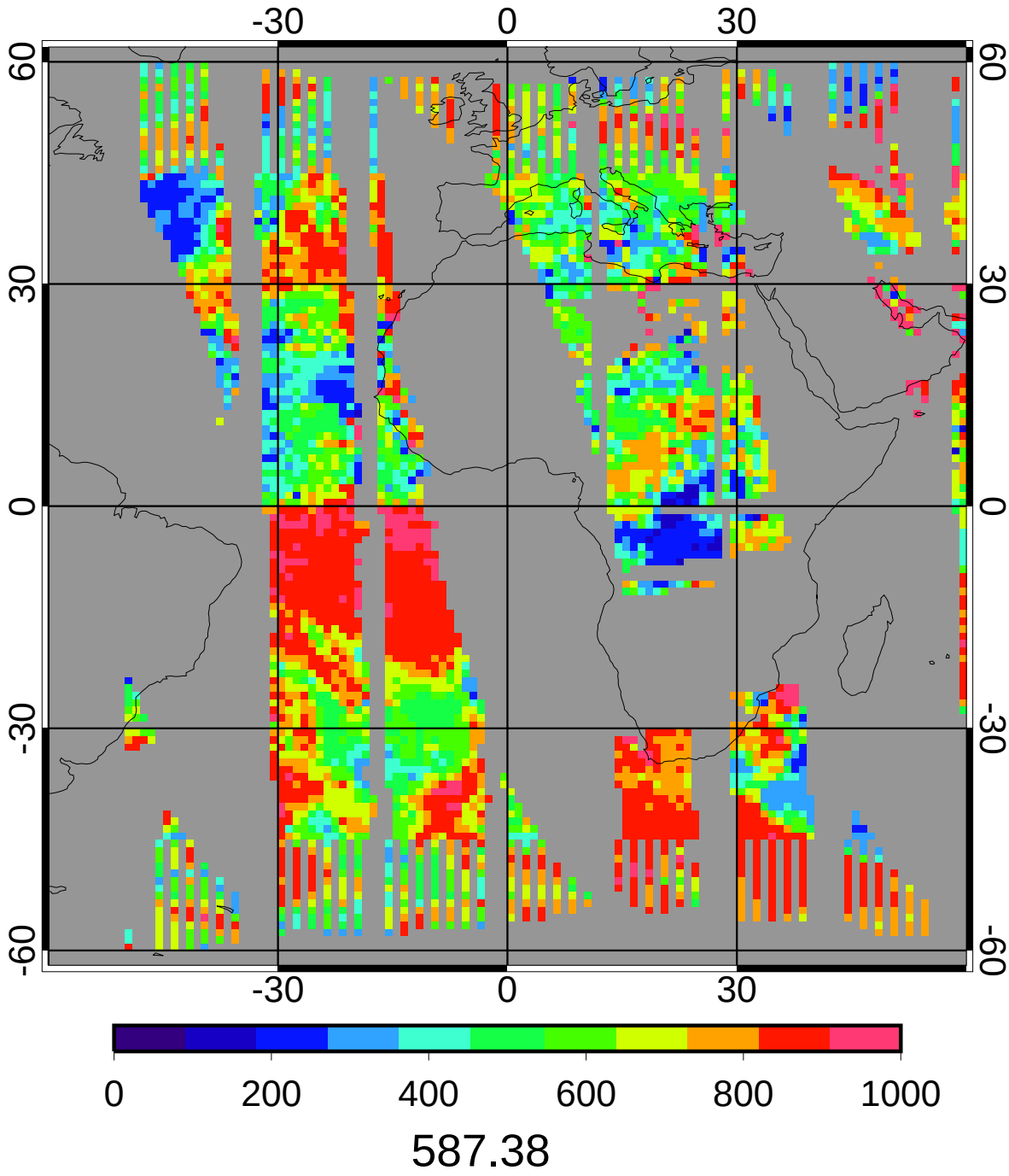
5ch_39cal Oct 2010




| | | |
|---|---|---|
| regave rms | 63.53 | 10.01% |
| domain rms | 89.18 | 14.05% |

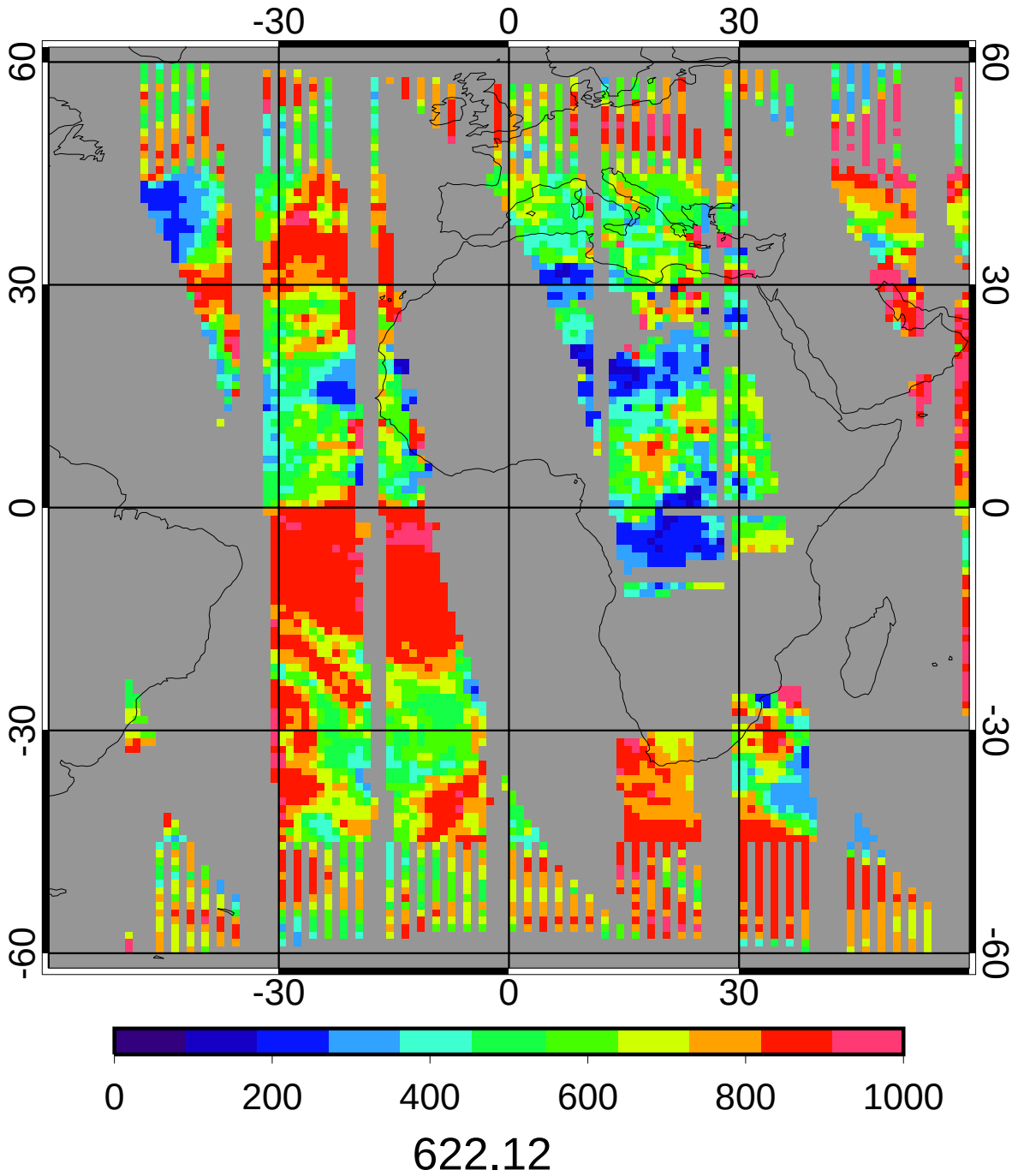
GGEO MEAN Daytime Cloud Top Pressure (mb)

5ch_39cal Oct 2010



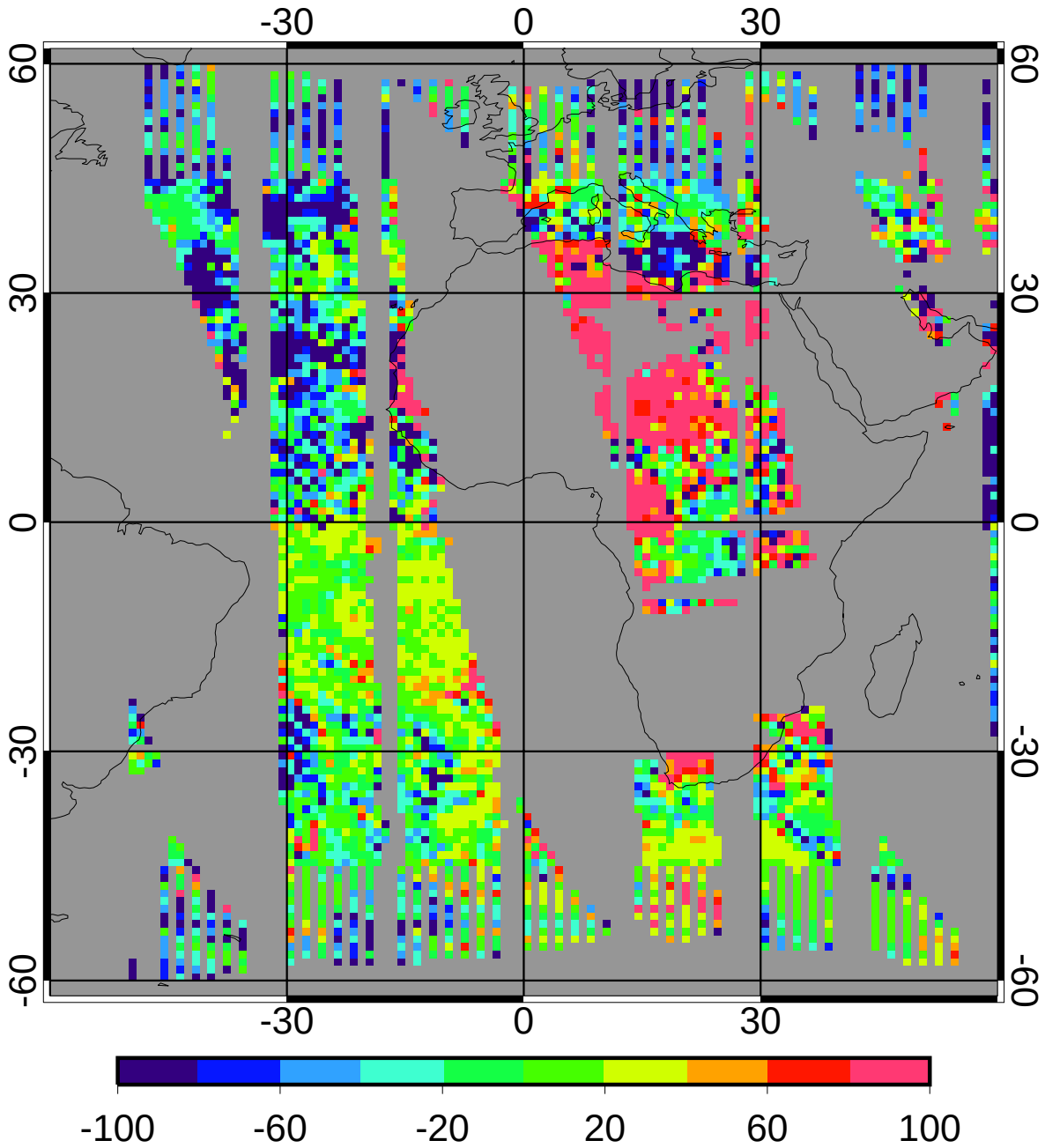
CERES/Aqua MEAN Daytime Cloud Top Pressure (mb)

5ch_39cal Oct 2010



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

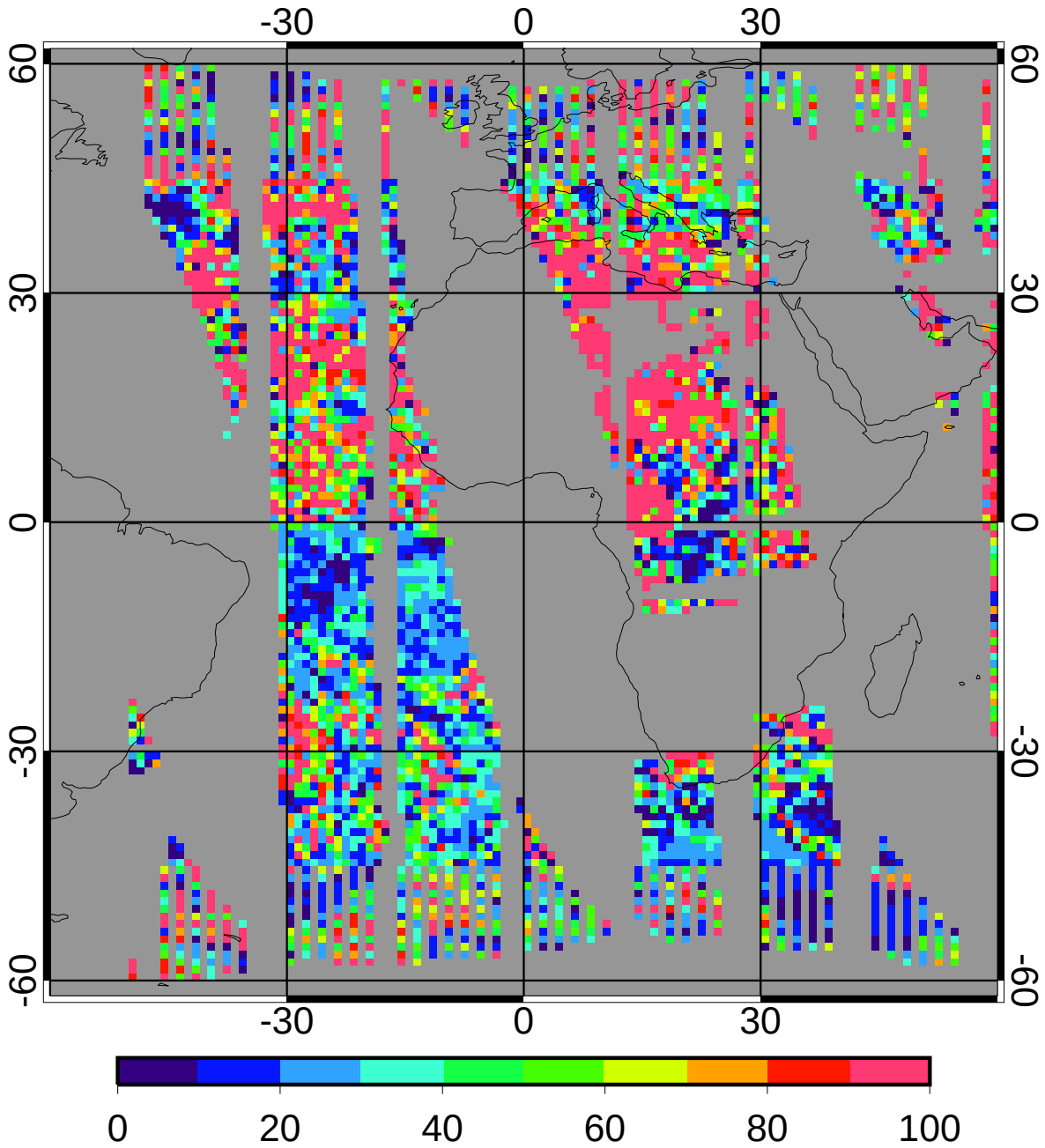
5ch_39cal Oct 2010




| | | |
|---|---|---|
| bias | -2.88 | -0.46% |
| domain sigma | 88.21 | 14.18% |

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

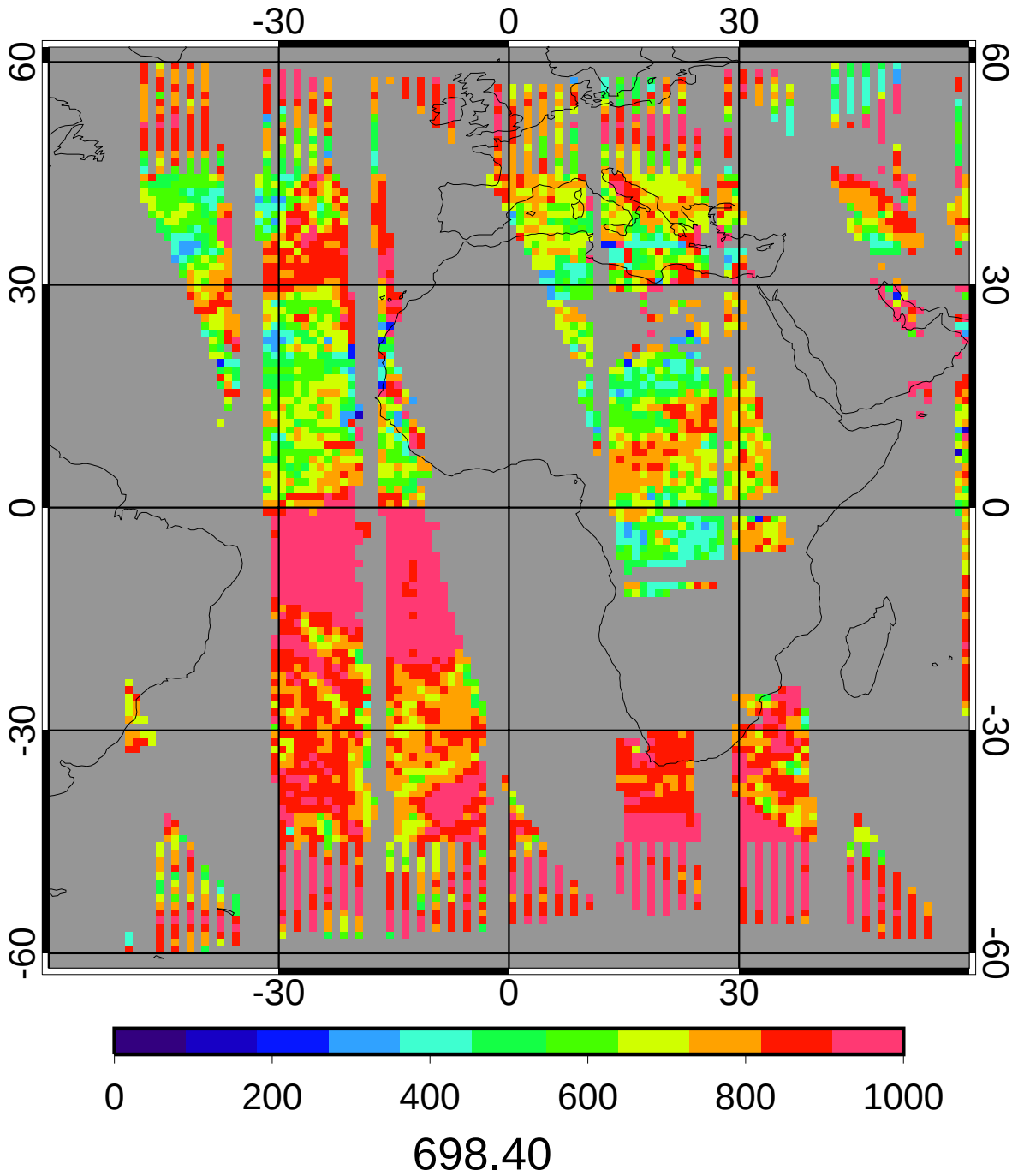
5ch_39cal Oct 2010




| | | |
|---|---|---|
| regave rms | 66.01 | 10.61% |
| domain rms | 91.71 | 14.74% |

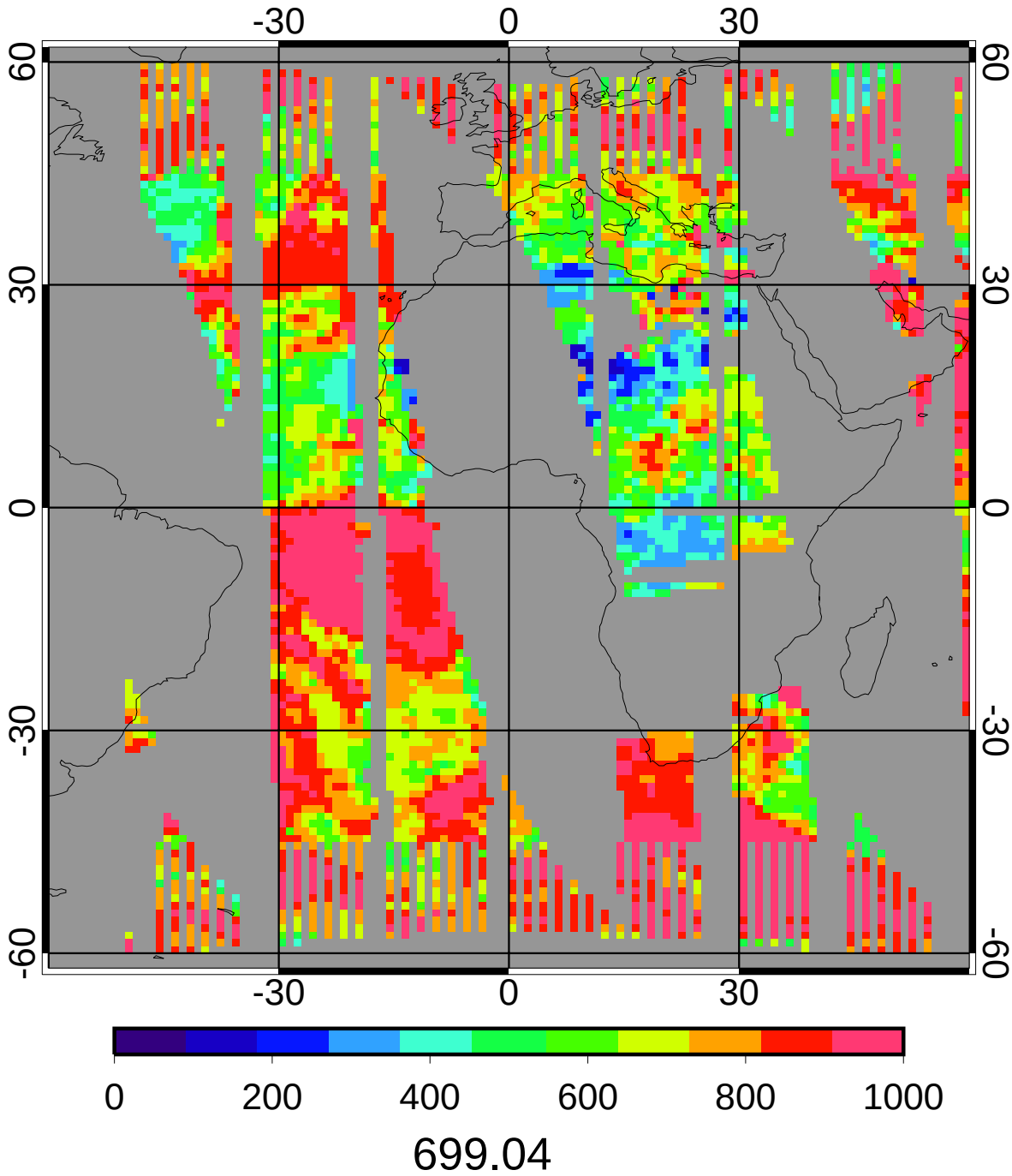
GGEO MEAN Daytime Cloud Base Pressure (mb)

5ch_39cal Oct 2010



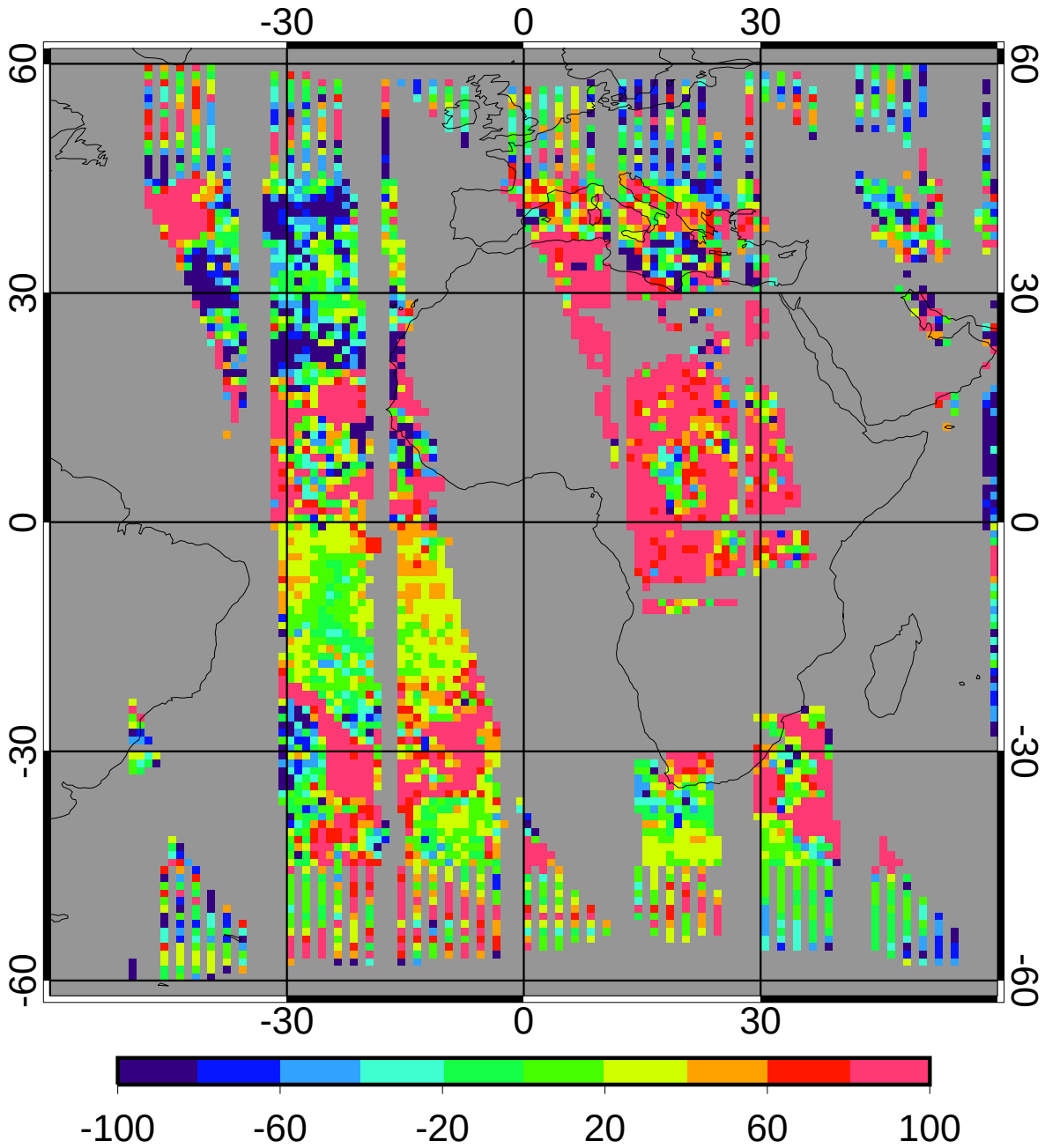
CERES/Aqua MEAN Daytime Cloud Base Pressure (mb)

5ch_39cal Oct 2010



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

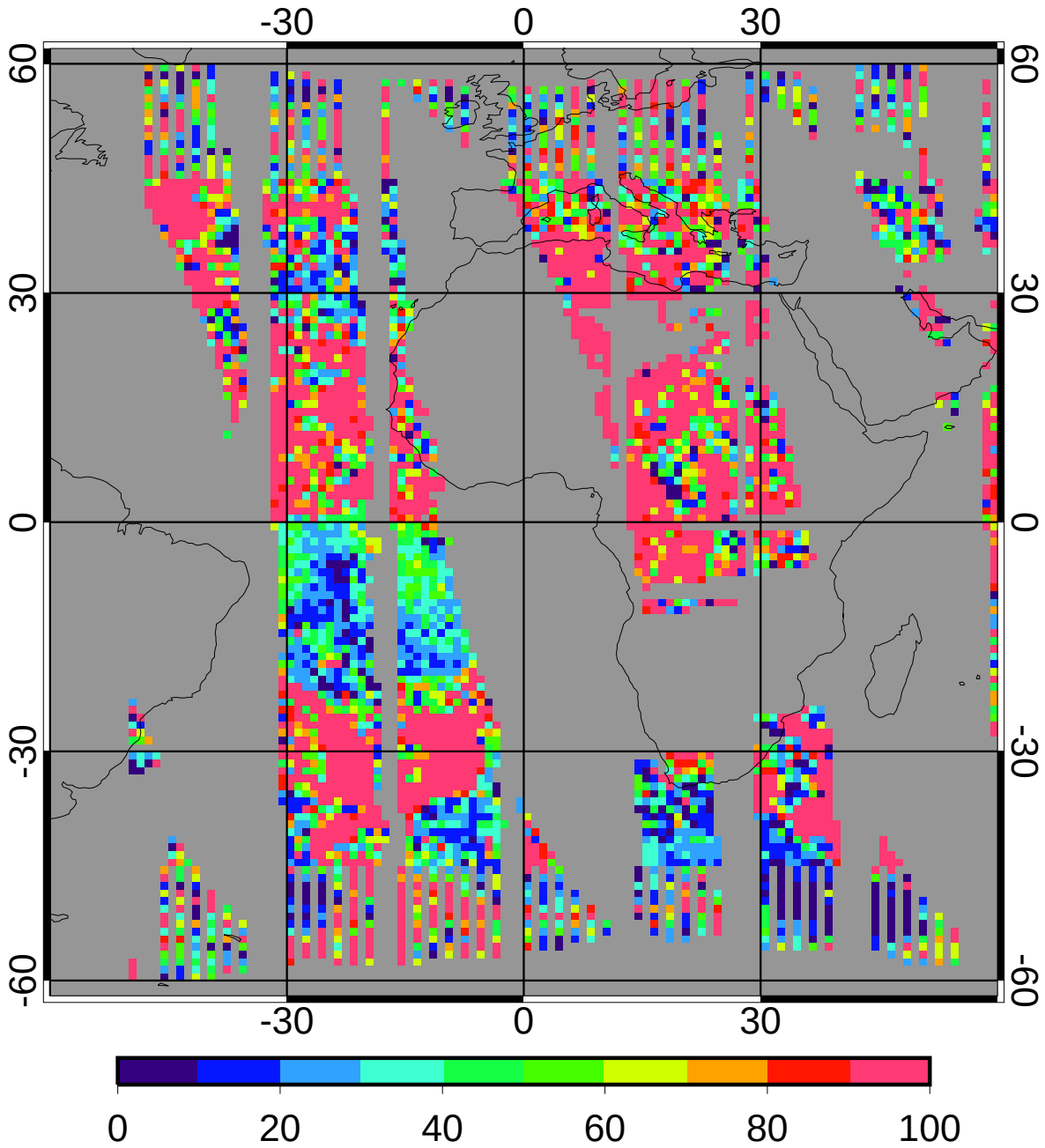
5ch_39cal Oct 2010




| | | |
|---|---|---|
| bias | 32.83 | 4.70% |
| domain sigma | 95.98 | 13.73% |

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

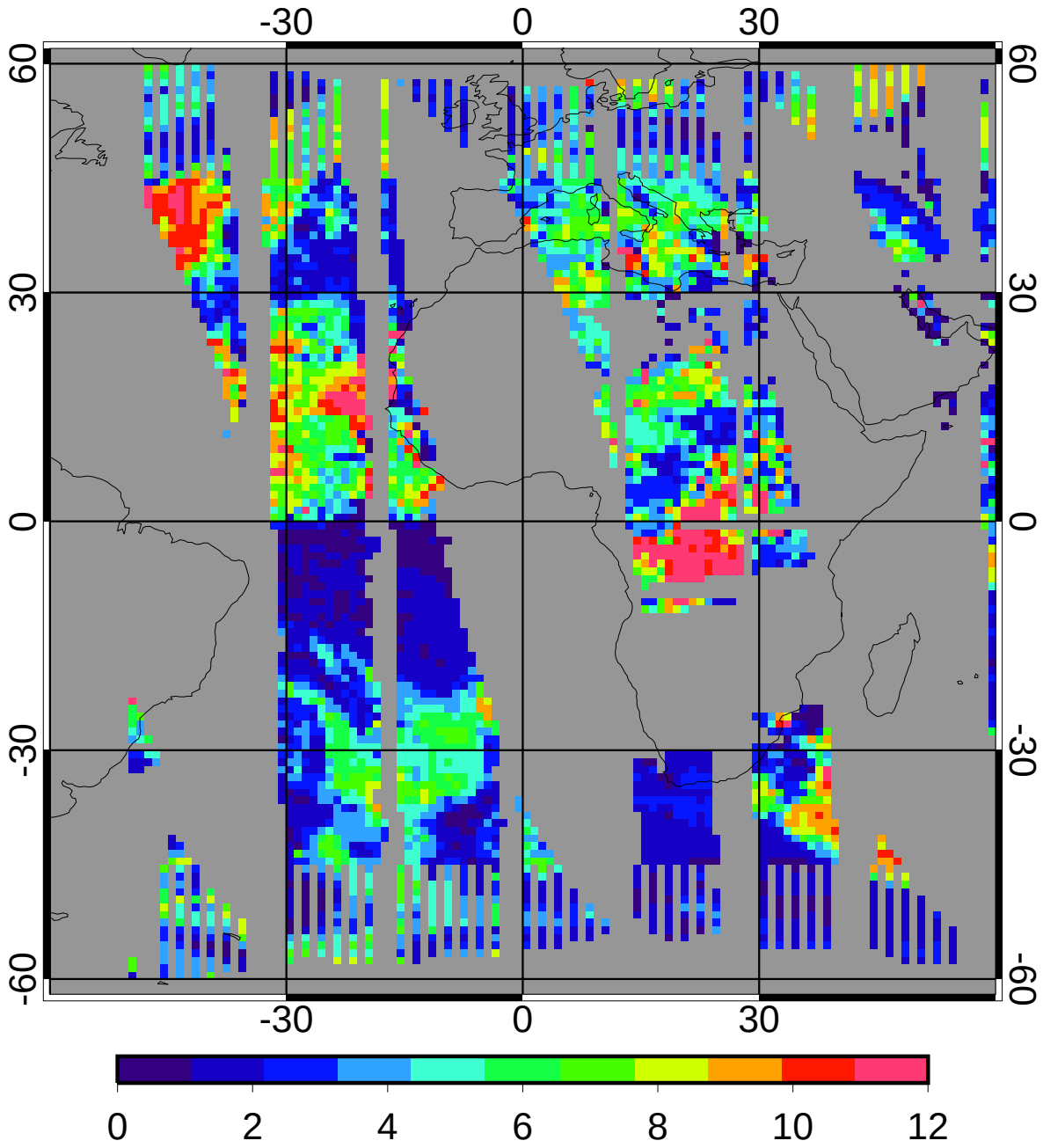
5ch_39cal Oct 2010




| | | |
|---|---|---|
| regave rms | 86.13 | 12.32% |
| domain rms | 113.50 | 16.24% |

GGEO MEAN Daytime Cloud Eff Height (km)

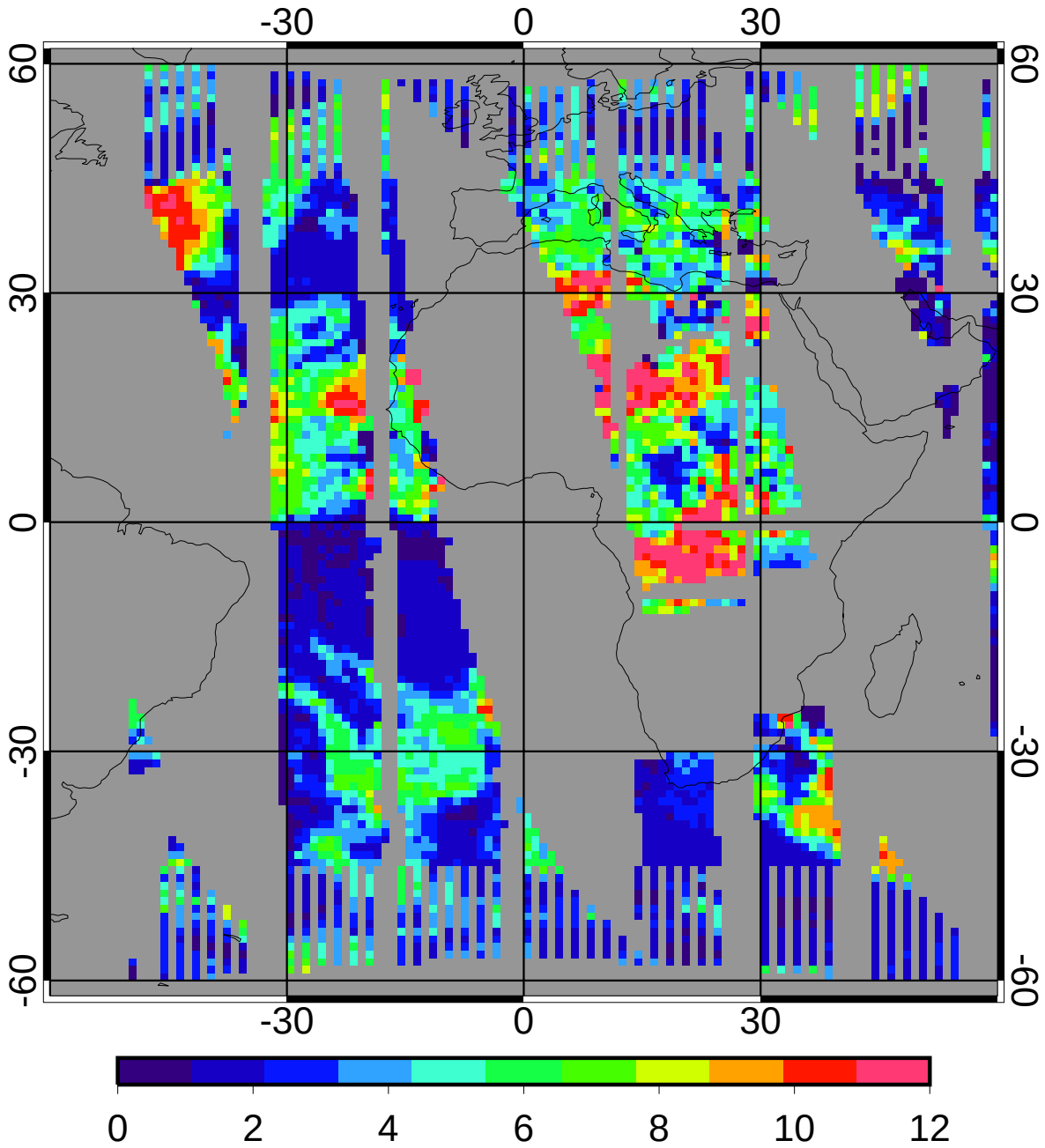
5ch_39cal Oct 2010




4.13

CERES/Aqua MEAN Daytime Cloud Eff Height (km)

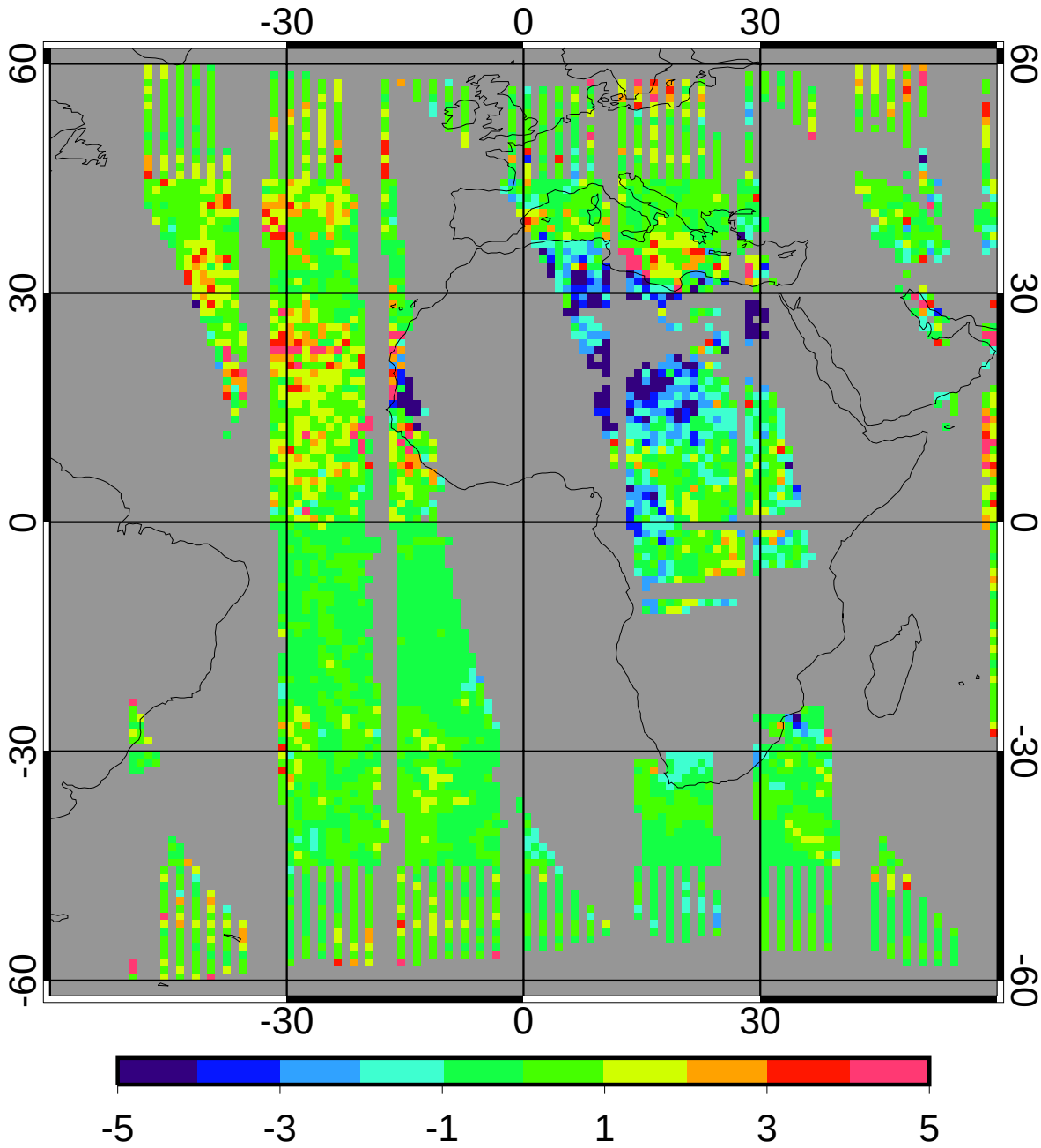
5ch_39cal Oct 2010




4.23

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

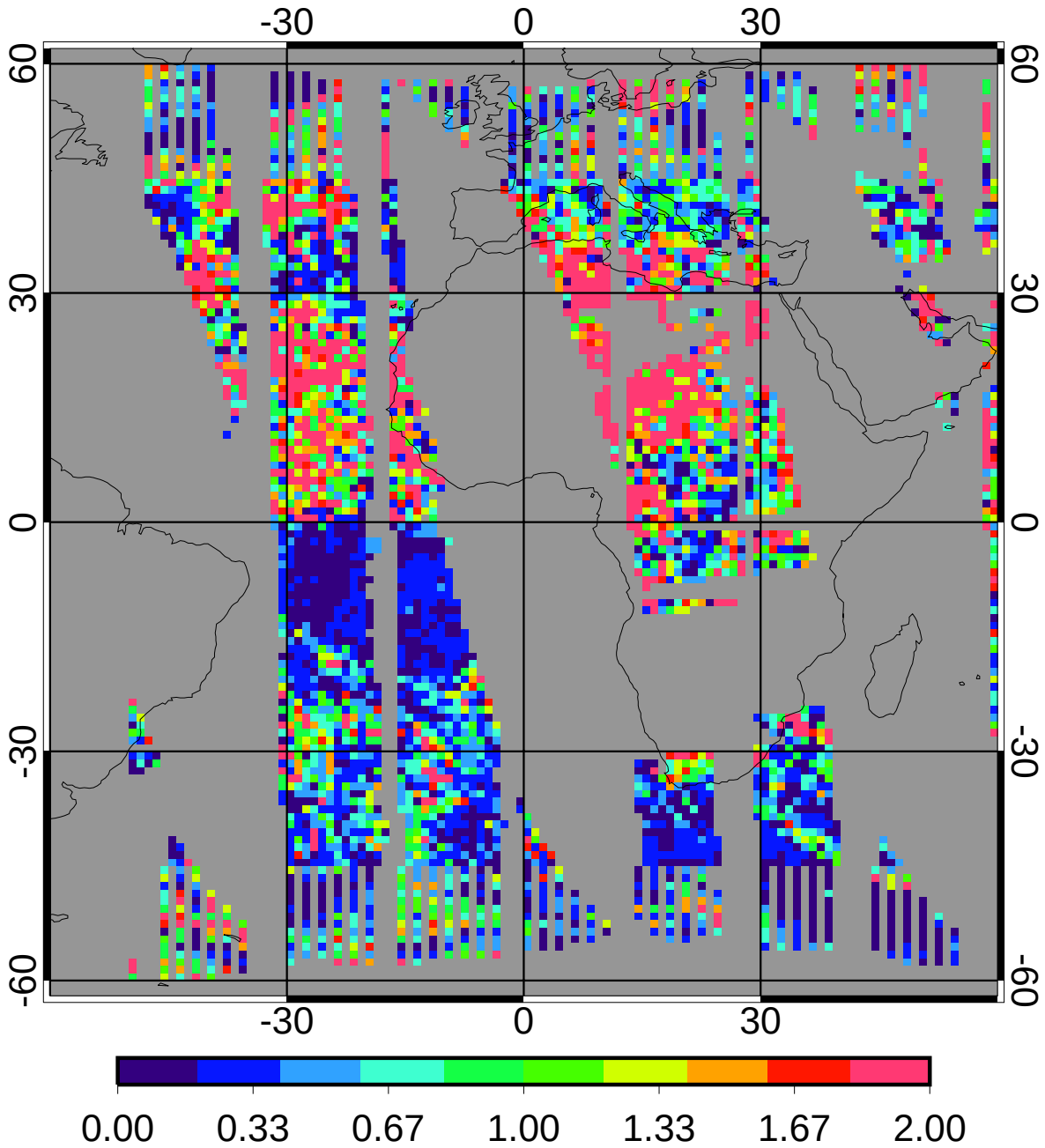
5ch_39cal Oct 2010




| | | |
|---|---|---|
| bias | 0.07 | 1.76% |
| domain sigma | 1.45 | 34.33% |

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

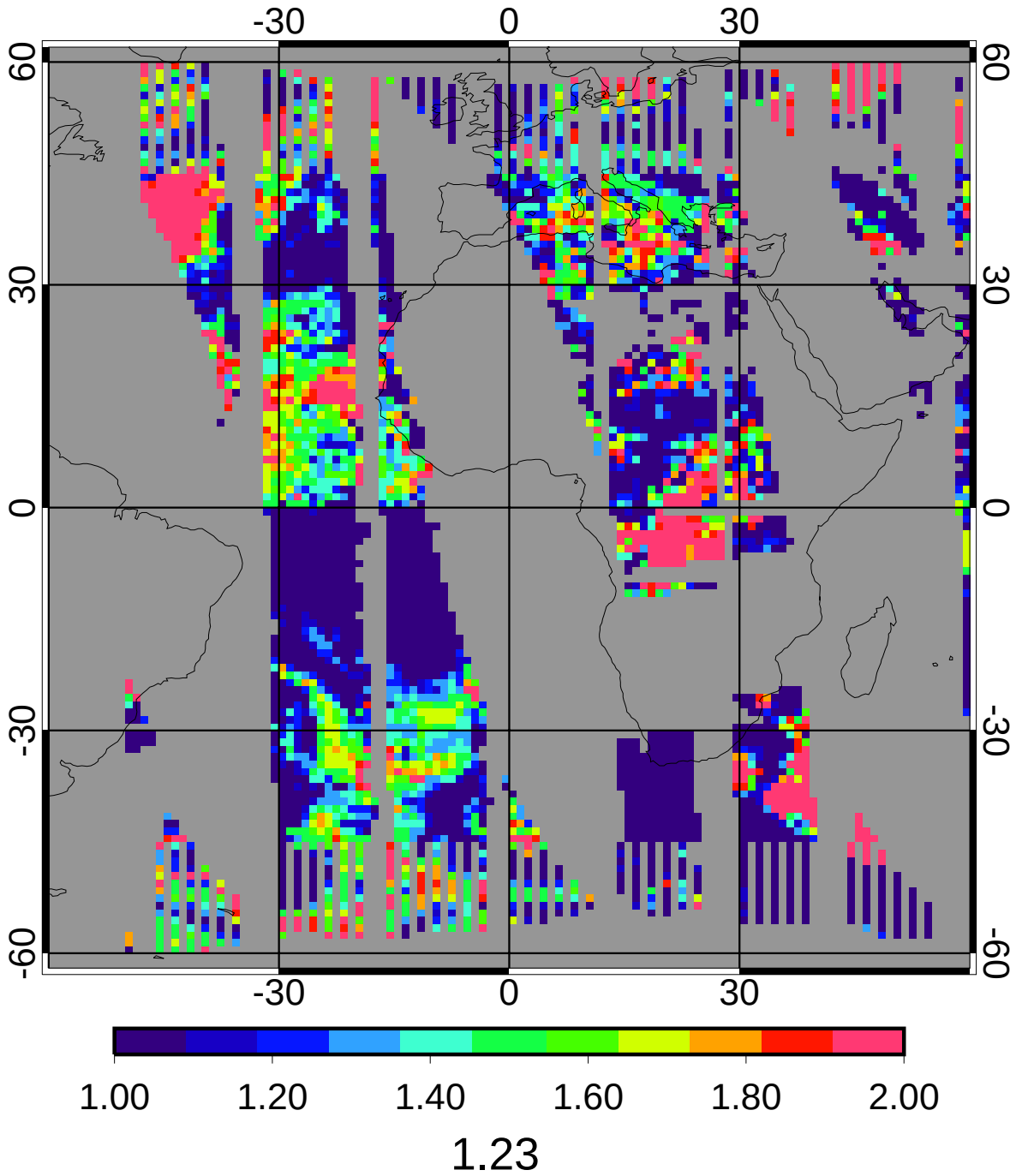
5ch_39cal Oct 2010




| | | |
|---|---|---|
| regave rms | 1.01 | 23.89% |
| domain rms | 1.50 | 35.45% |

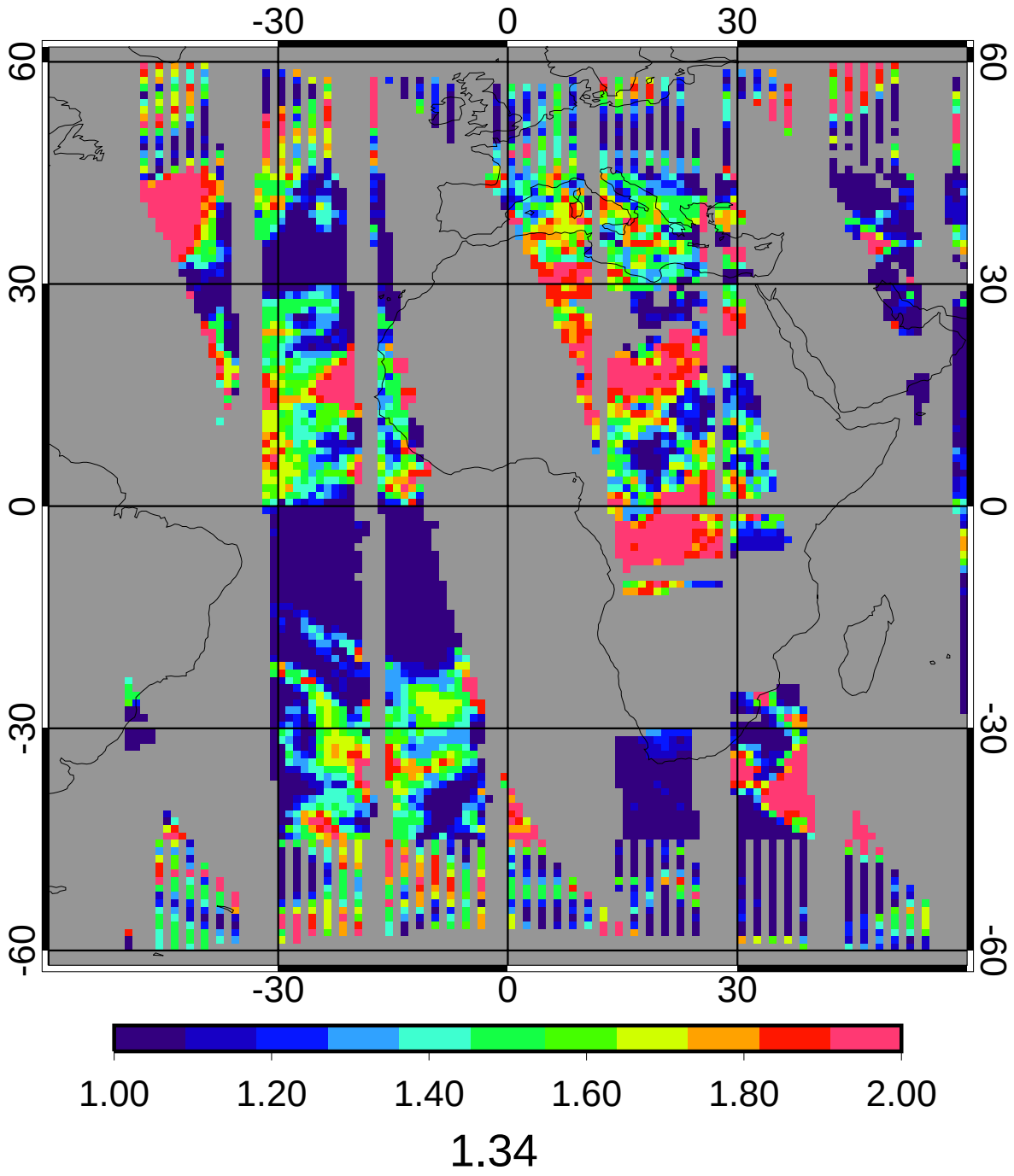
GGEO MEAN Daytime Cloud Phase

5ch_39cal Oct 2010



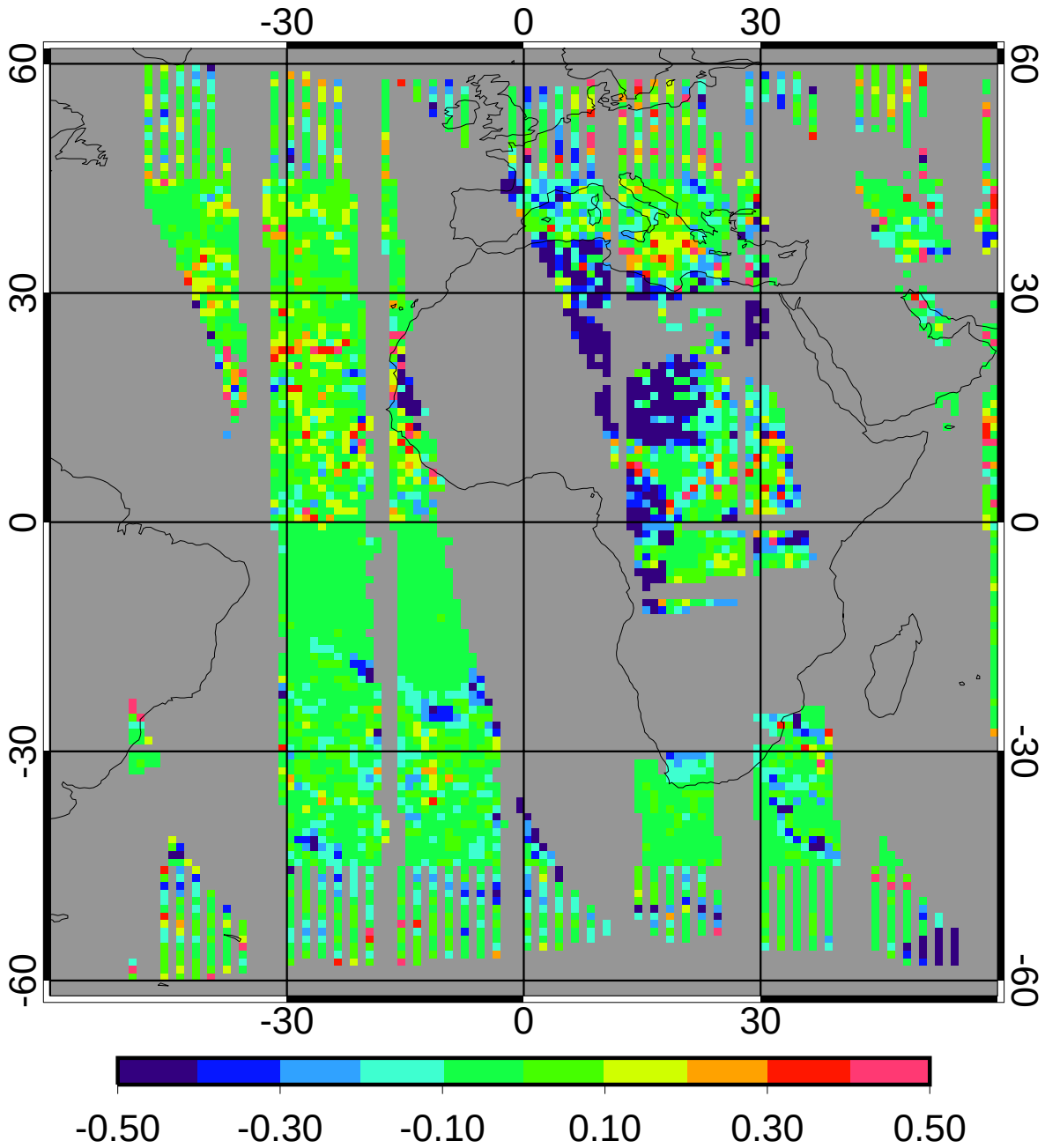
CERES/Aqua MEAN Daytime Cloud Phase

5ch_39cal Oct 2010



GGEO - CERES/Aqua Daytime Cloud Phase Bias

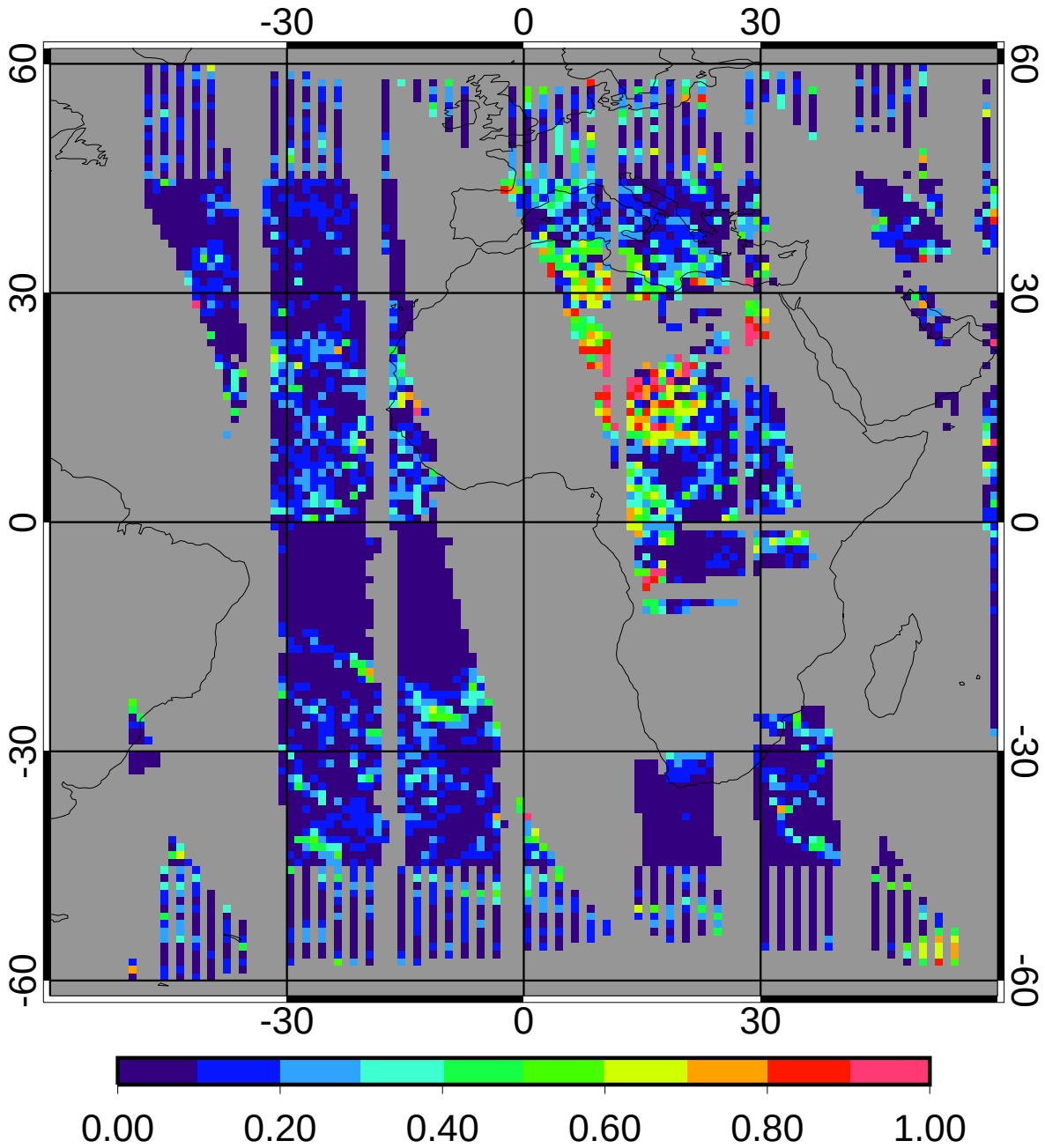
5ch_39cal Oct 2010




| | | |
|---|---|---|
| bias | -0.05 | -3.96% |
| domain sigma | 0.19 | 13.92% |

GGEO - CERES/Aqua Daytime Cloud Phase RMS

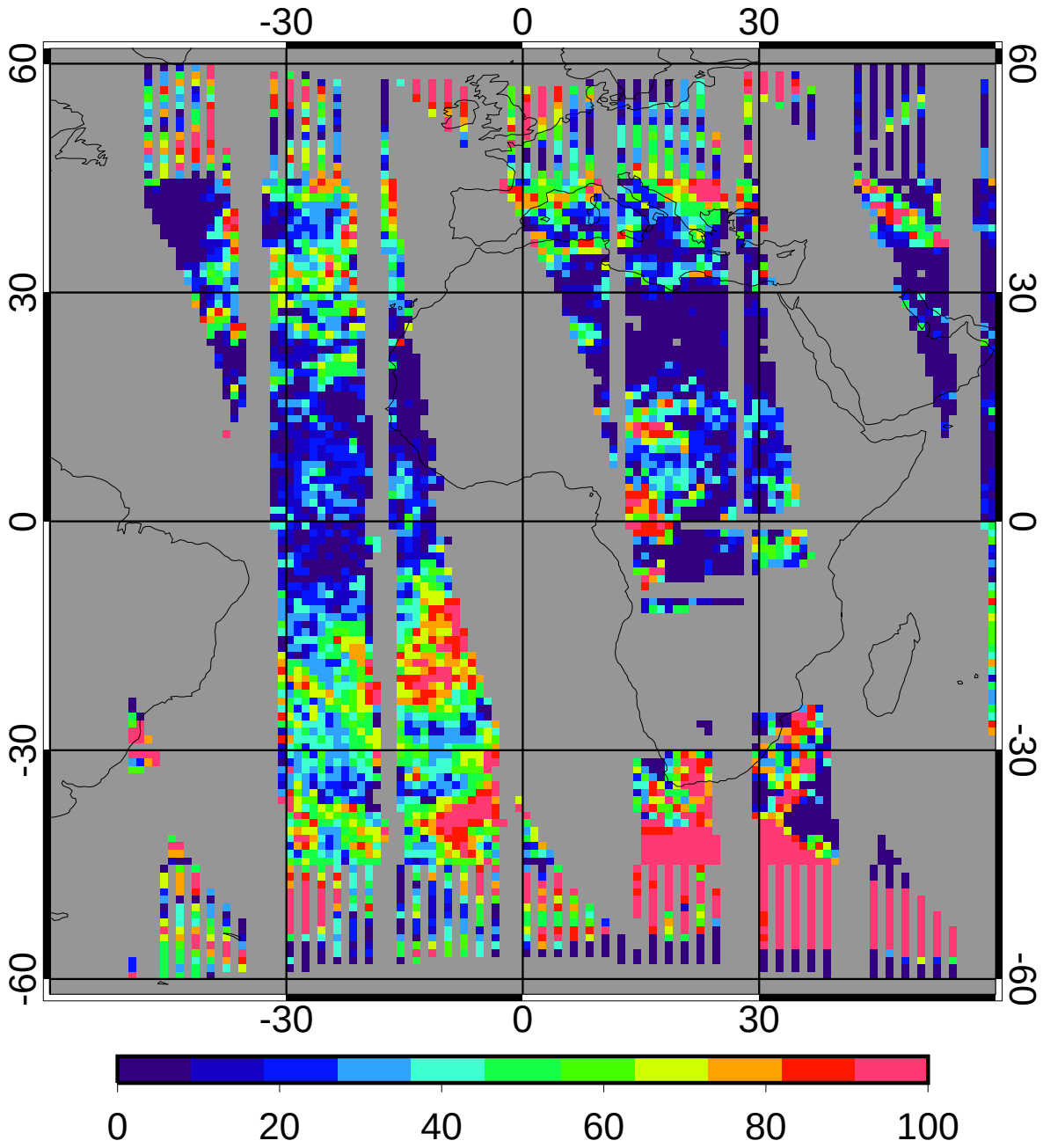
5ch_39cal Oct 2010




| | | |
|---|---|---|
| regave rms | 0.13 | 10.10% |
| domain rms | 0.20 | 14.96% |

GGEO MEAN Daytime Liquid Cld Amt (%)

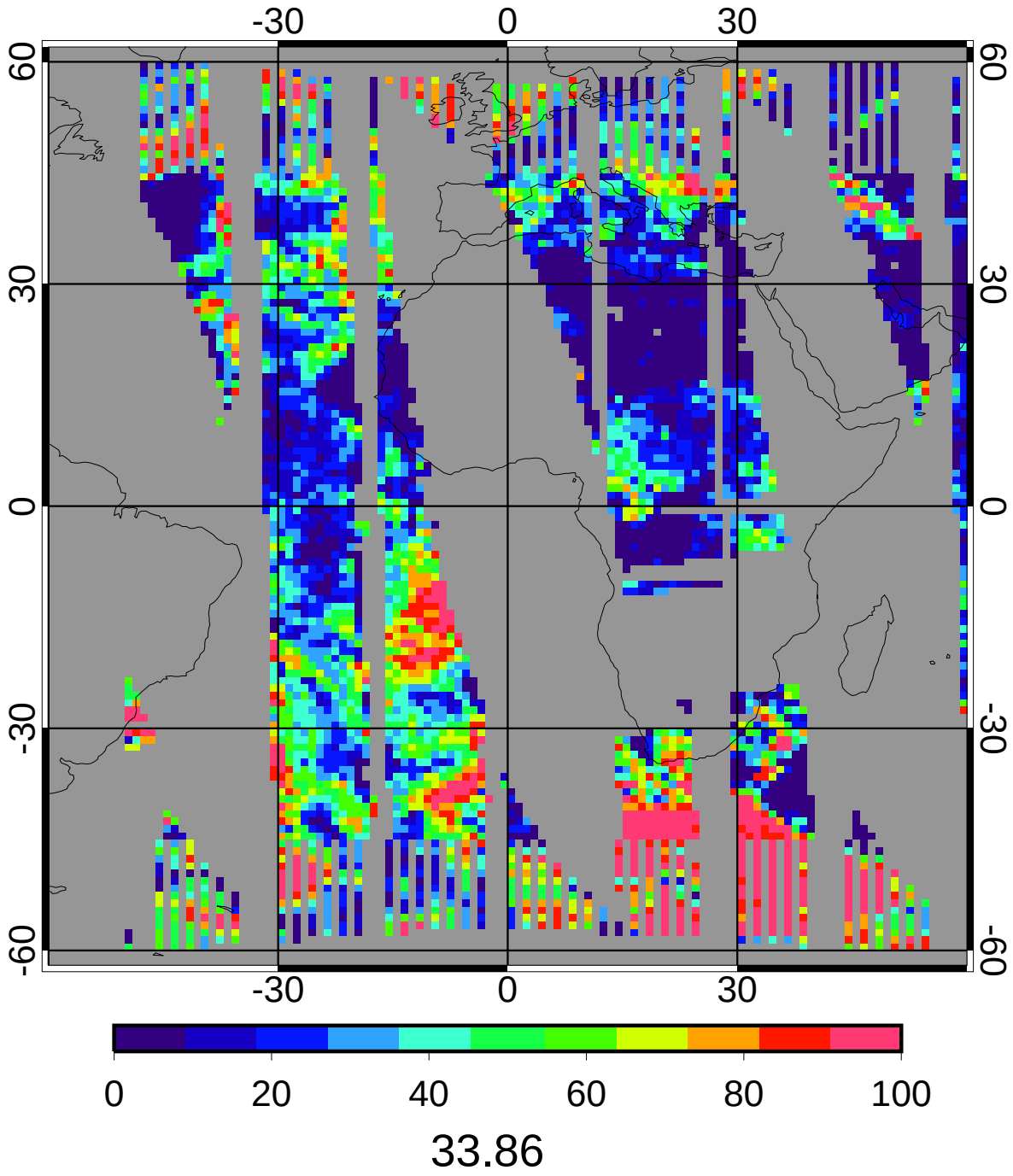
5ch_39cal Oct 2010




35.98

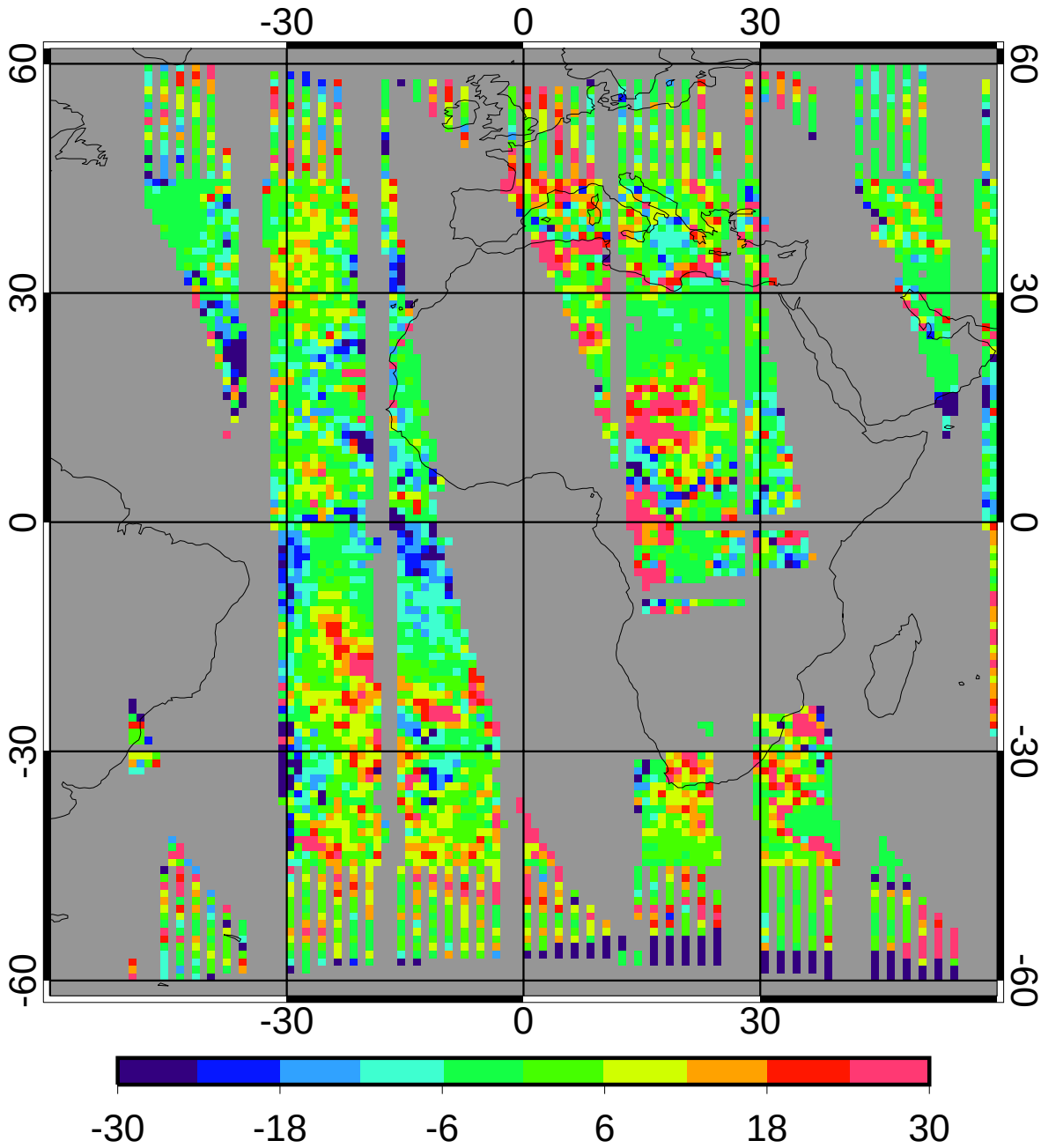
CERES/Aqua MEAN Daytime Liquid Cld Amt (%)

5ch_39cal Oct 2010



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

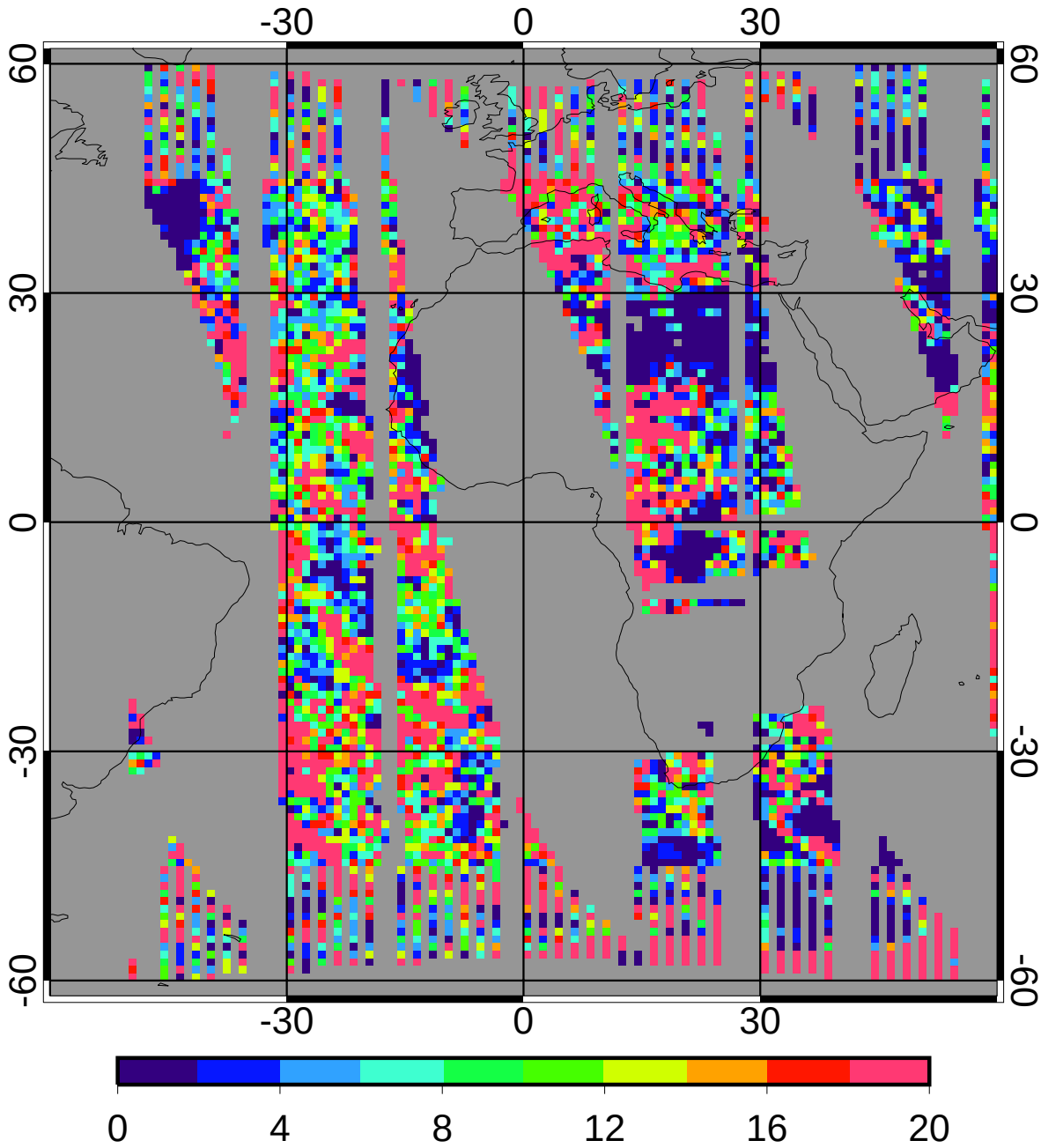
5ch_39cal Oct 2010




| | | |
|---|---|---|
| bias | 2.13 | 6.28% |
| domain sigma | 15.13 | 44.67% |

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

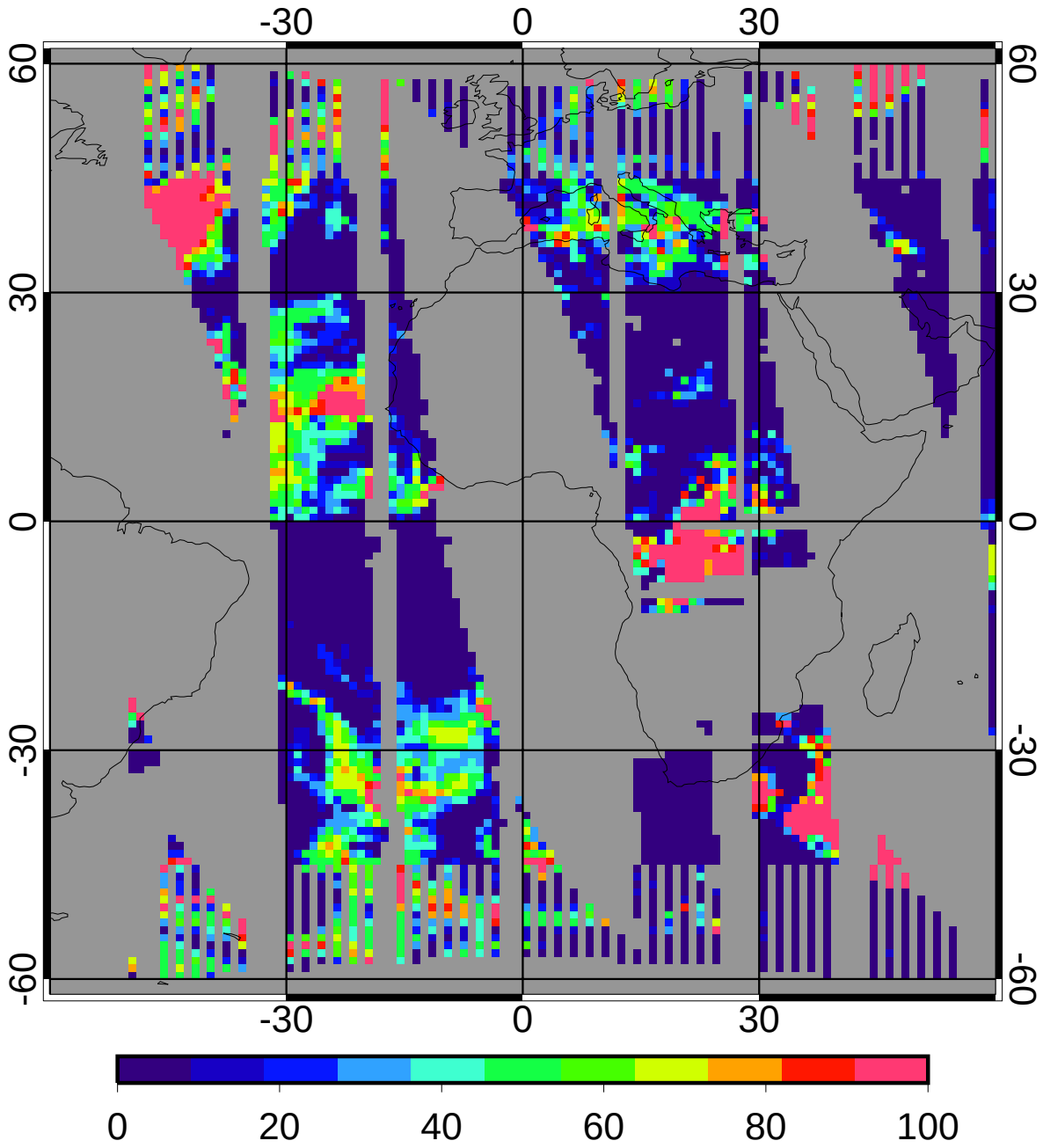
5ch_39cal Oct 2010




| | | |
|---|---|---|
| regave rms | 13.38 | 39.52% |
| domain rms | 17.91 | 52.91% |

GGEO MEAN Daytime Ice Cld Amt (%)

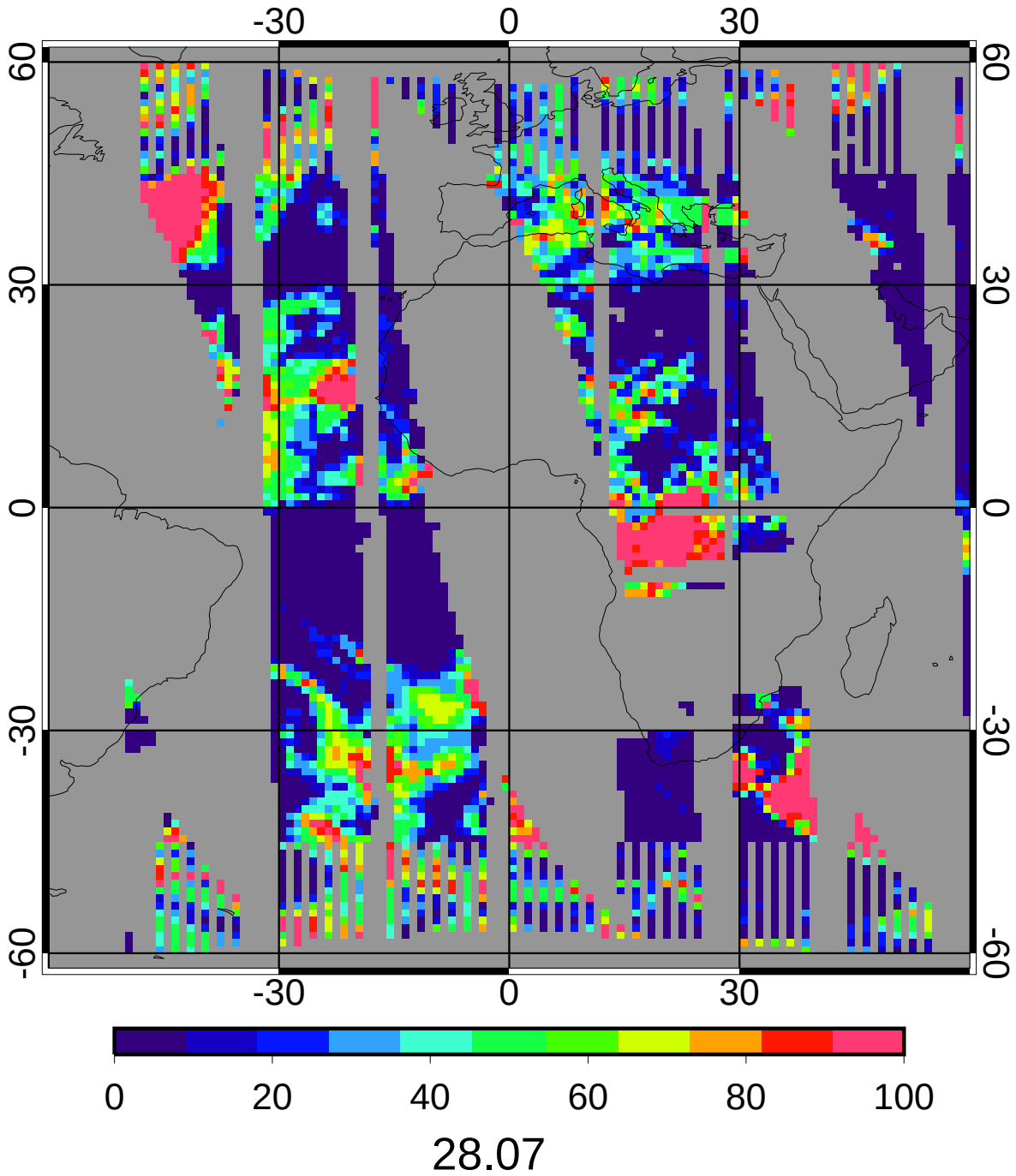
5ch_39cal Oct 2010




23.66

CERES/Aqua MEAN Daytime Ice Cld Amt (%)

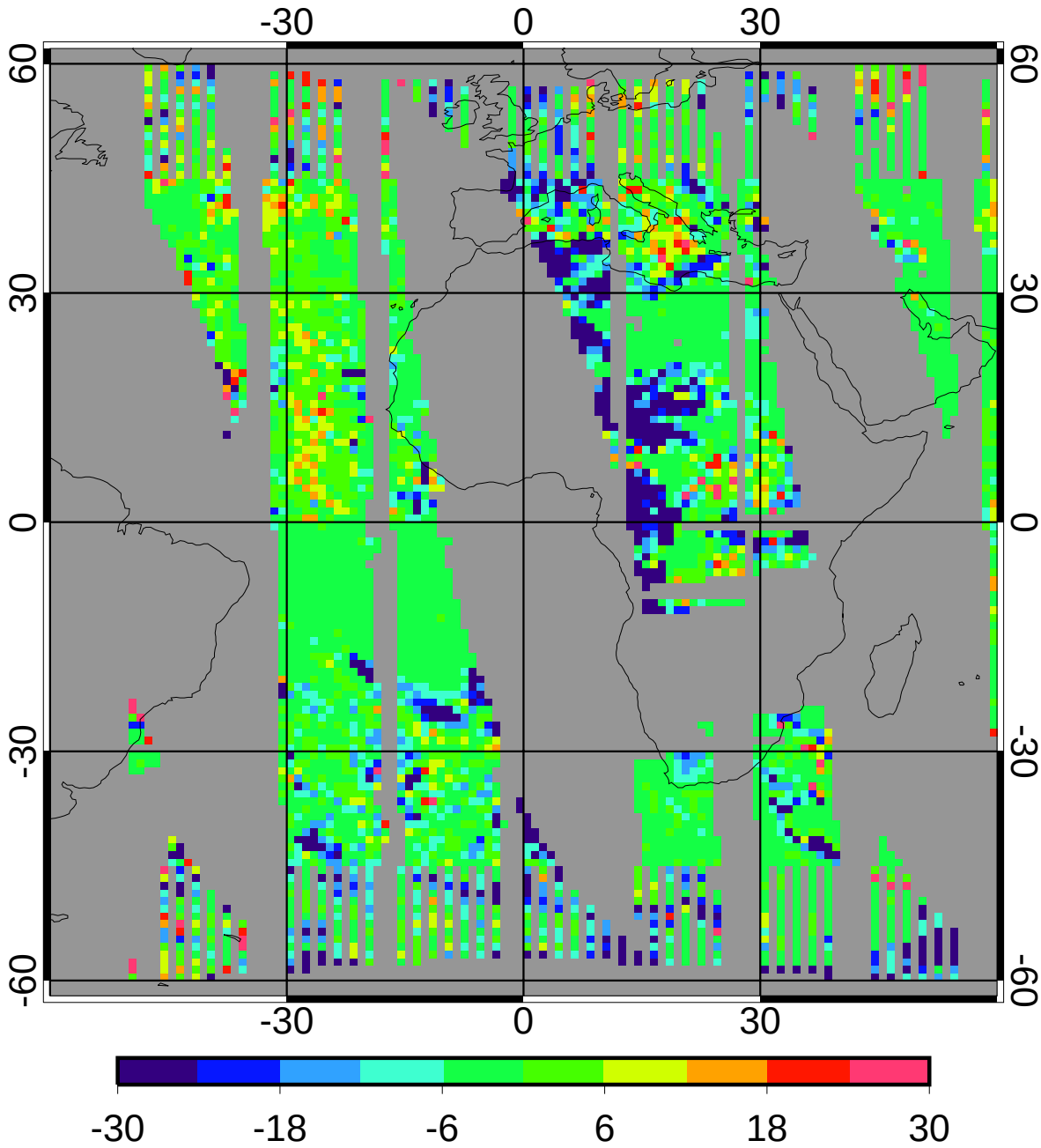
5ch_39cal Oct 2010




28.07

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

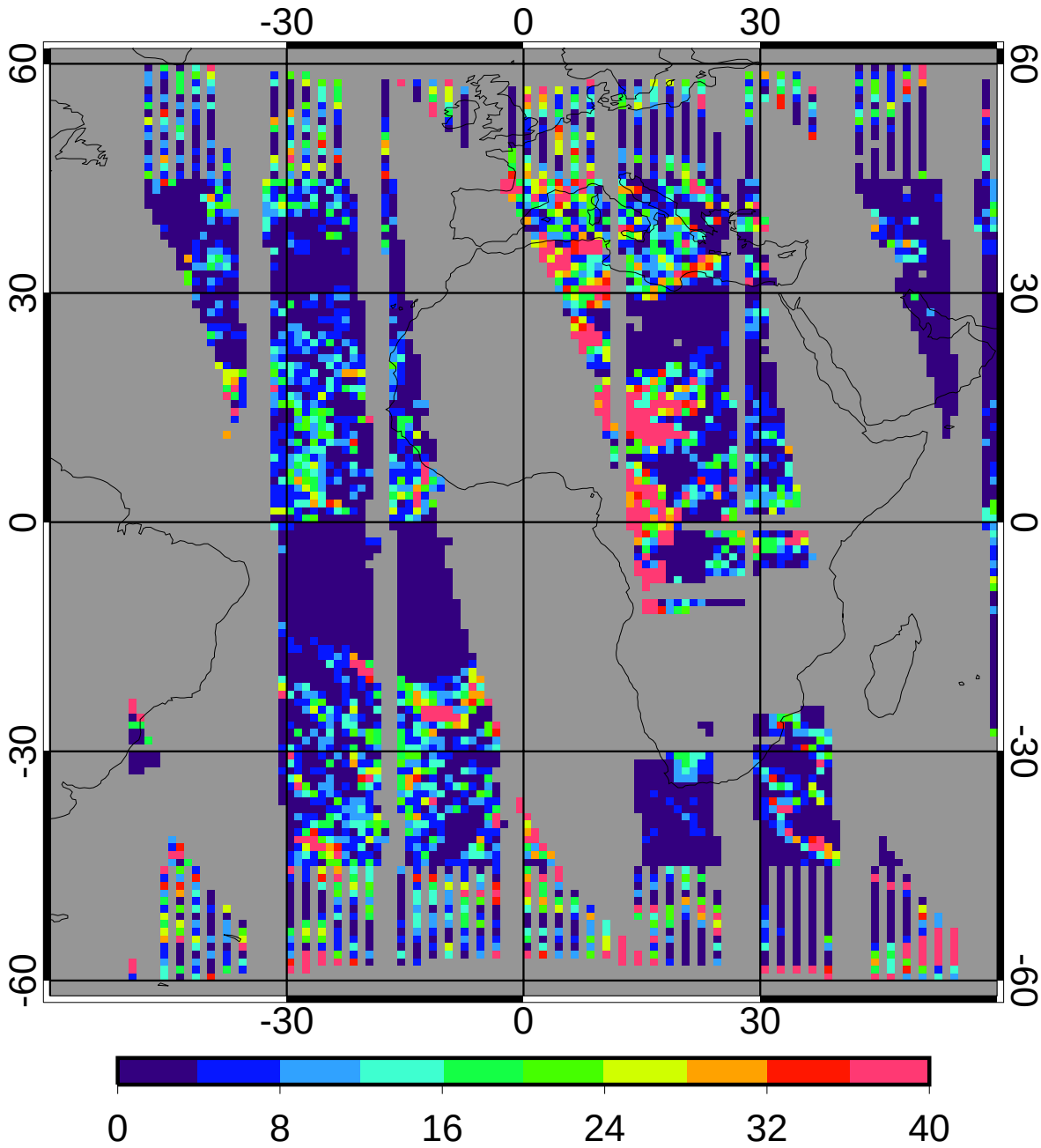
5ch_39cal Oct 2010




| | | |
|---|---|---|
| bias | -4.41 | -15.71% |
| domain sigma | 12.46 | 44.38% |

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

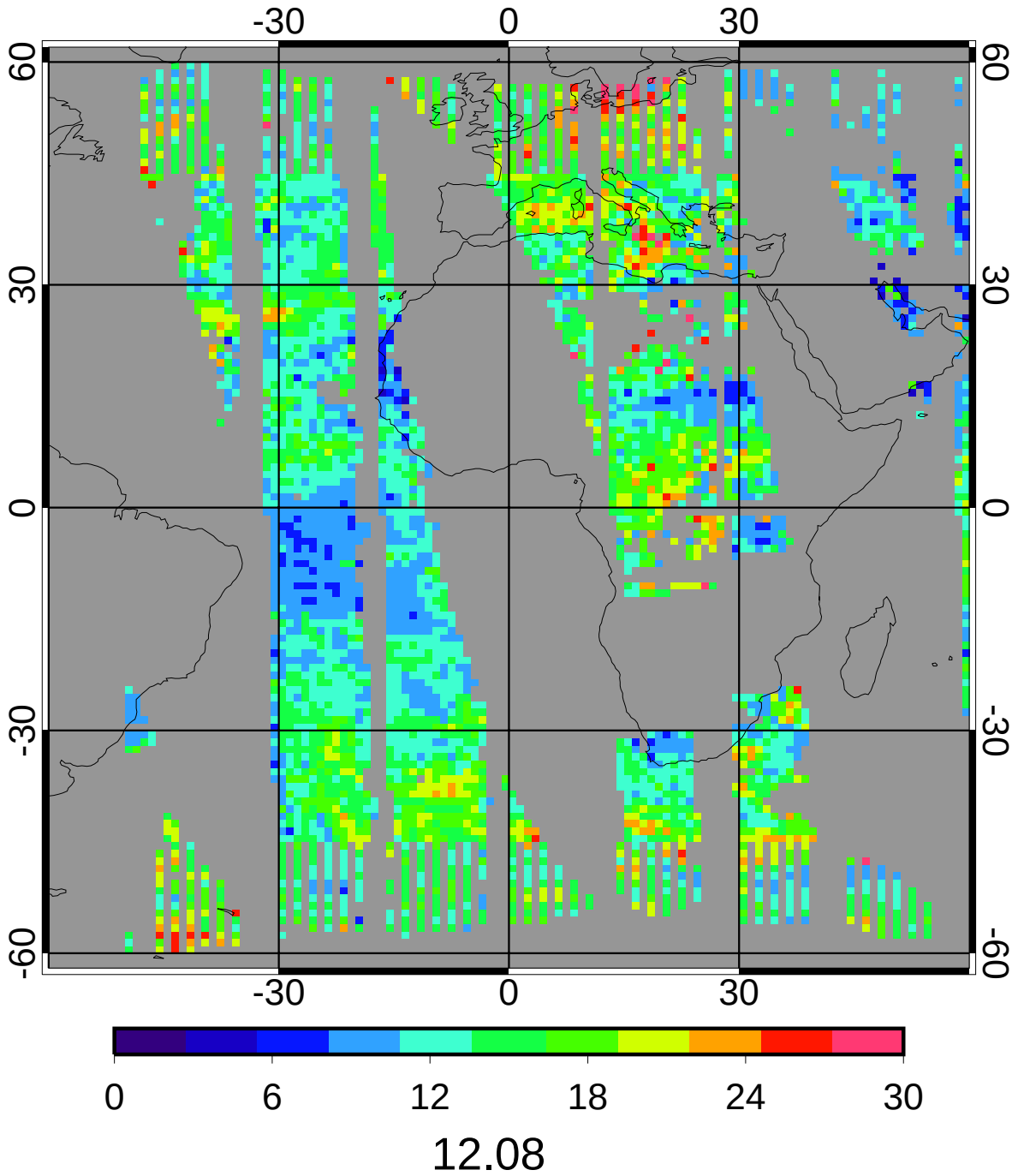
5ch_39cal Oct 2010




| | | |
|---|---|---|
| regave rms | 9.47 | 33.75% |
| domain rms | 14.59 | 51.97% |

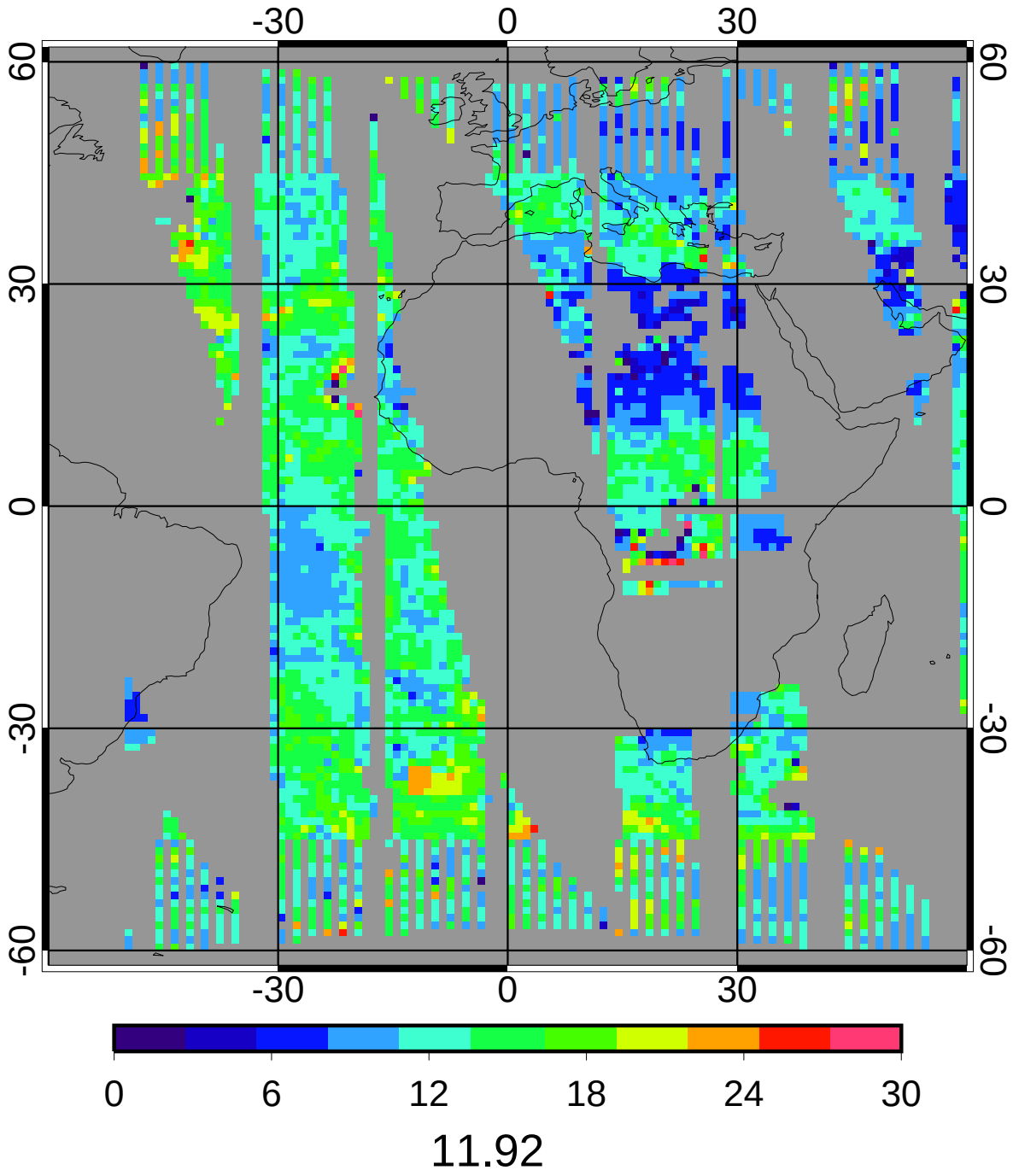
GGEO MEAN Daytime Liquid Particle Size (microns)

5ch_39cal Oct 2010



CERES/Aqua MEAN Daytime Liquid Particle Size (microns)

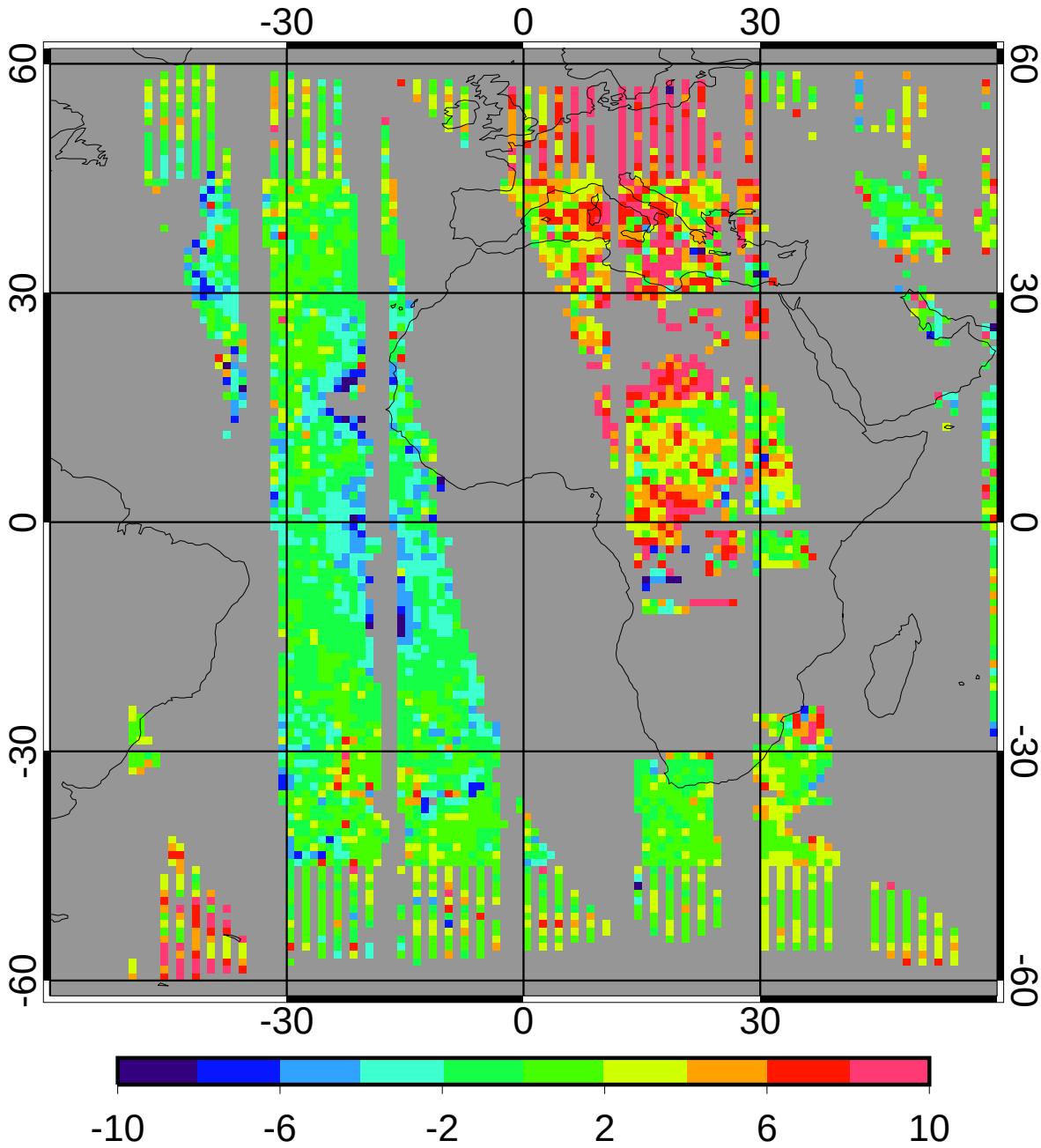
5ch_39cal Oct 2010




11.92

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

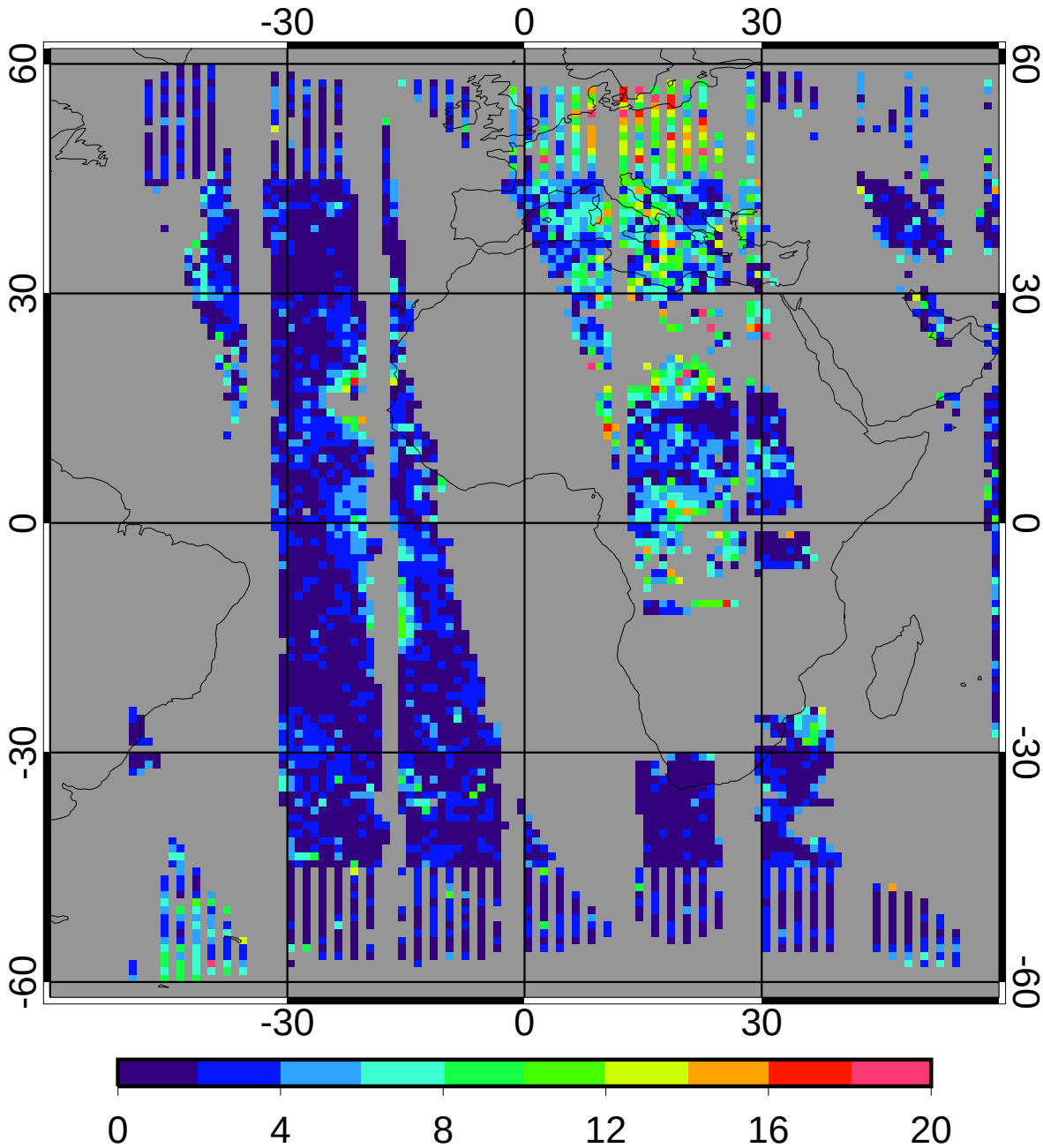
5ch_39cal Oct 2010




| | | |
|---|---|---|
| bias | 1.01 | 8.51% |
| domain sigma | 3.42 | 28.65% |

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

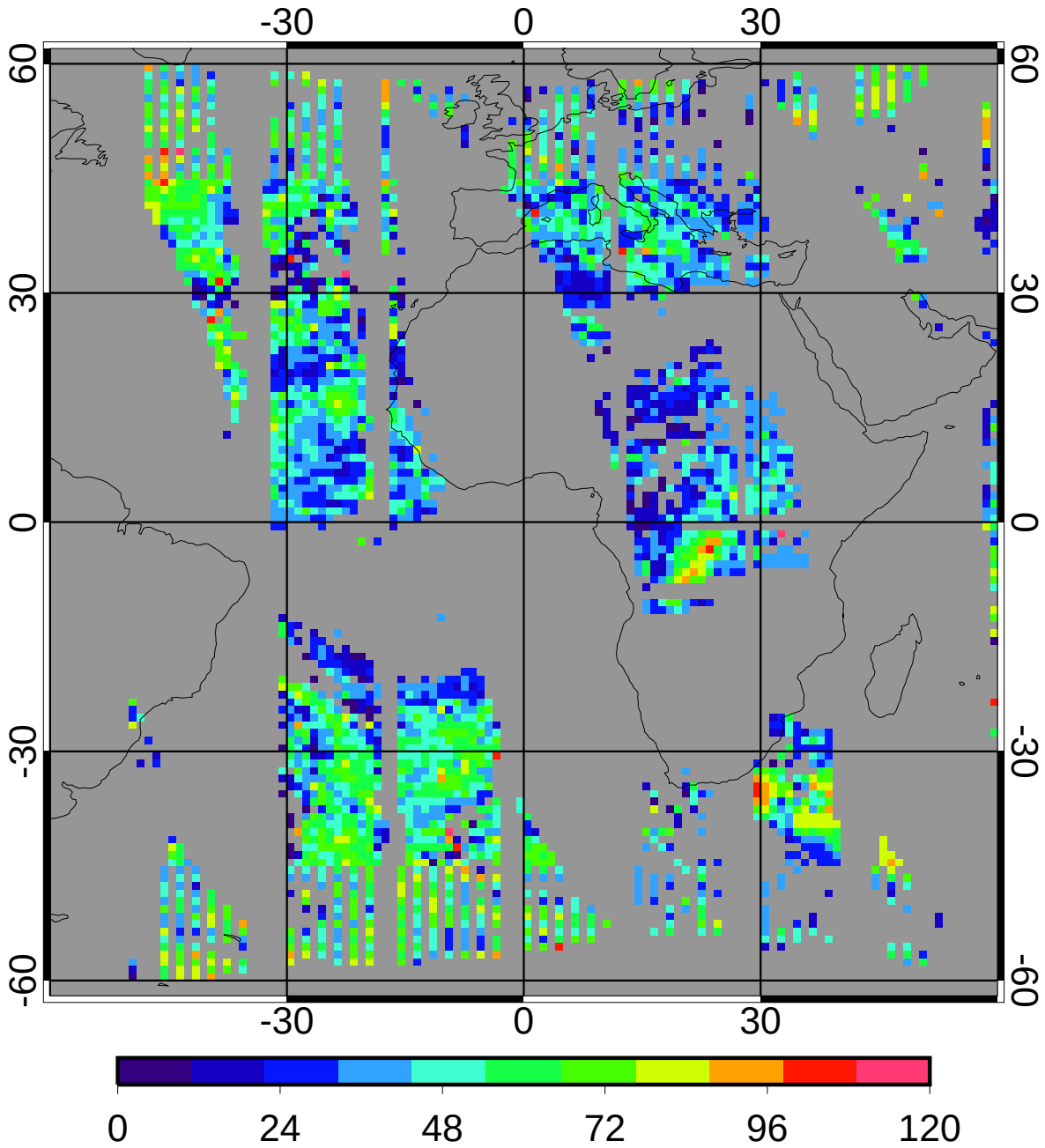
5ch_39cal Oct 2010




| | | |
|---|---|---|
| regave rms | 2.73 | 22.89% |
| domain rms | 3.87 | 32.49% |

GGEO MEAN Daytime Ice Particle Size (microns)

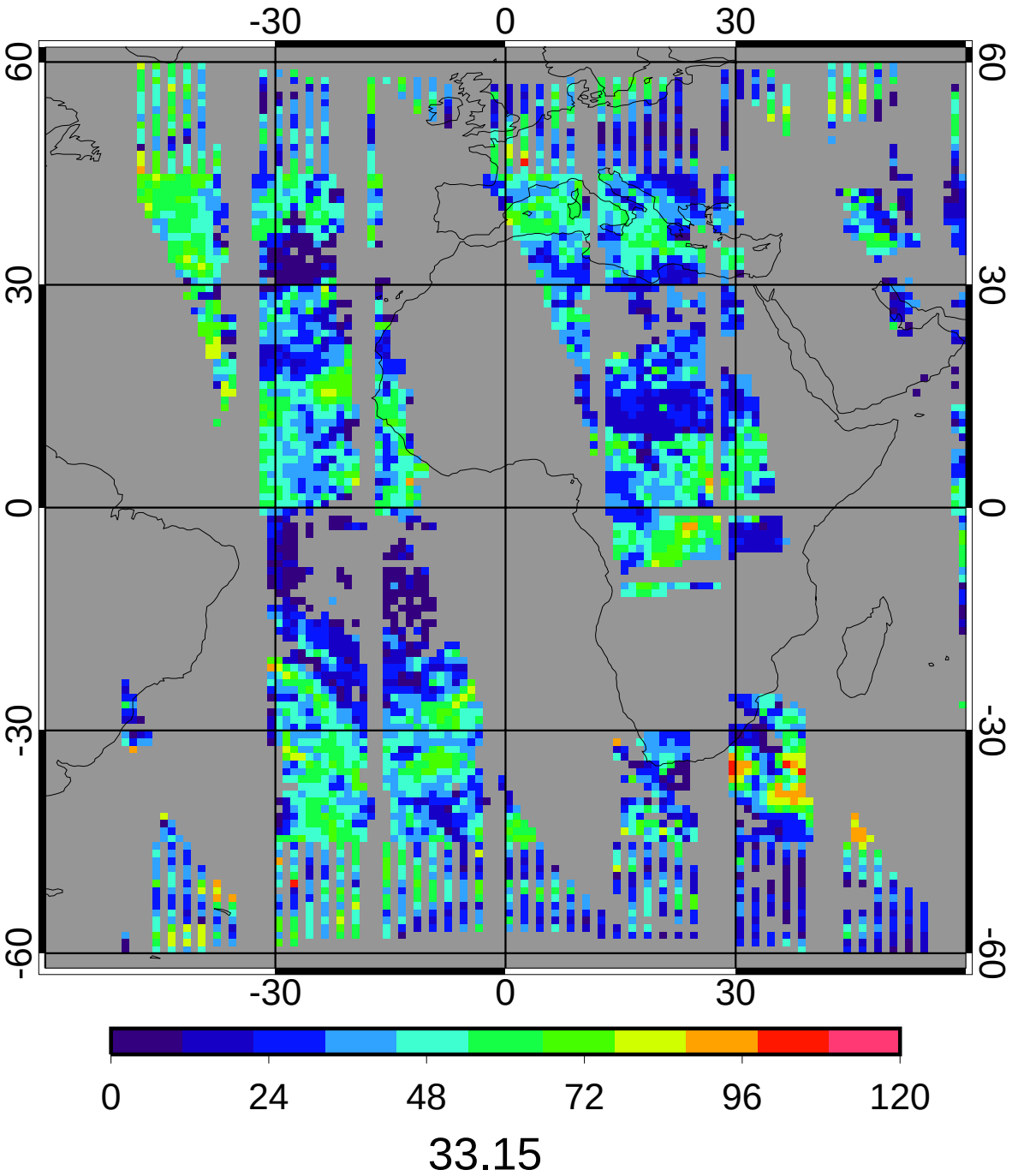
5ch_39cal Oct 2010




29.84

CERES/Aqua MEAN Daytime Ice Particle Size (microns)

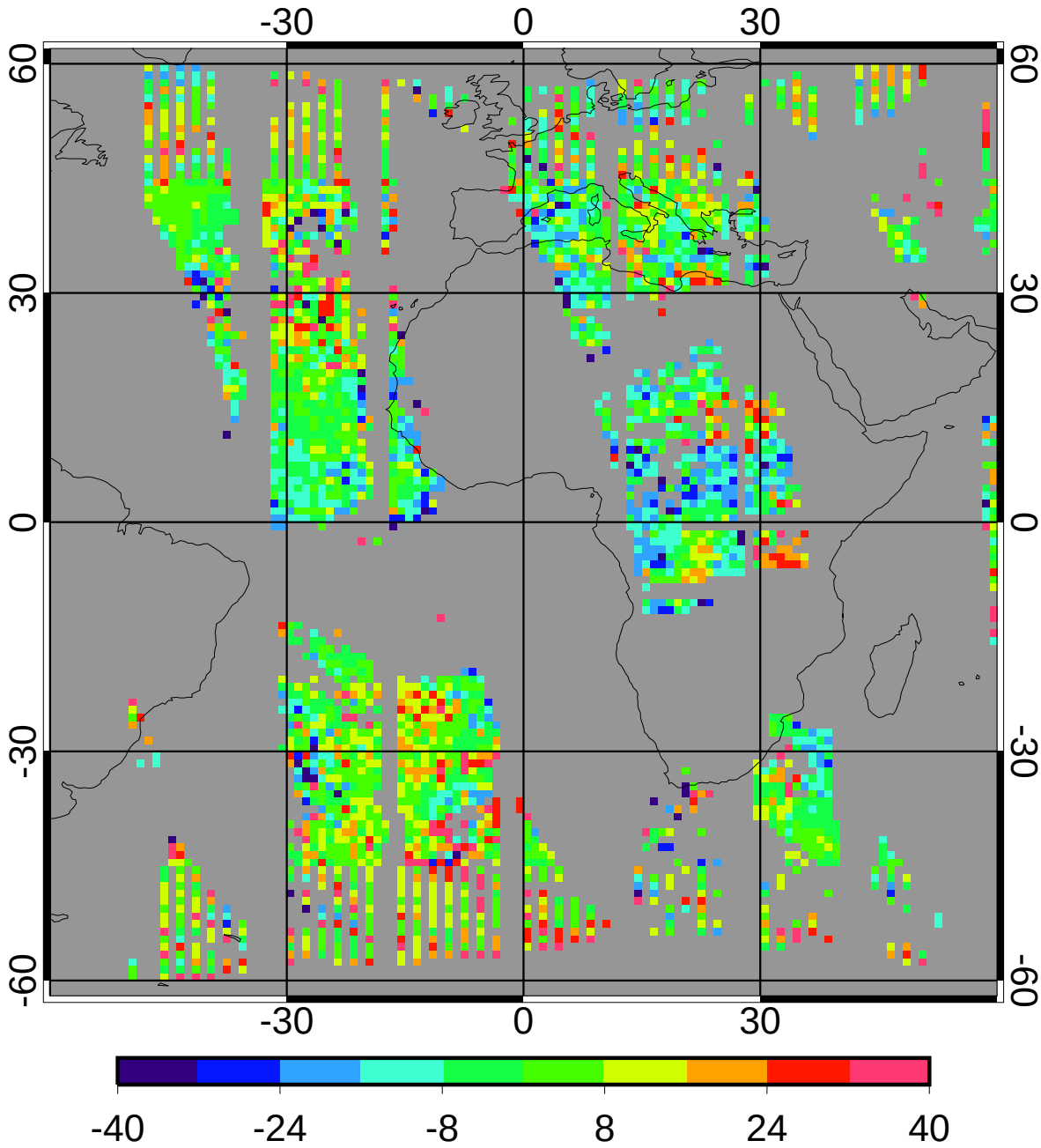
5ch_39cal Oct 2010




33.15

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

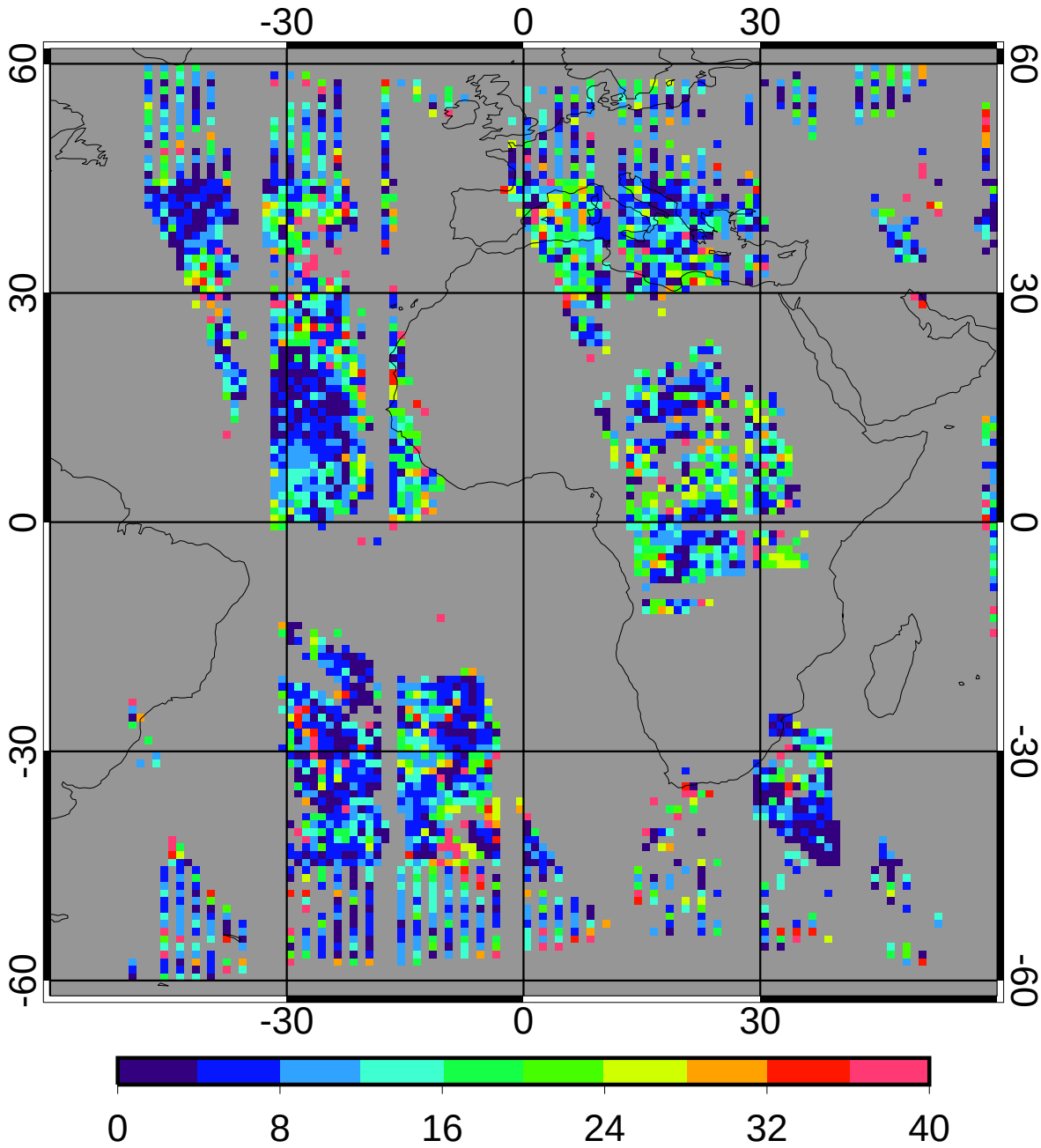
5ch_39cal Oct 2010




| | | |
|---|---|---|
| bias | 1.02 | 3.07% |
| domain sigma | 14.03 | 42.33% |

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

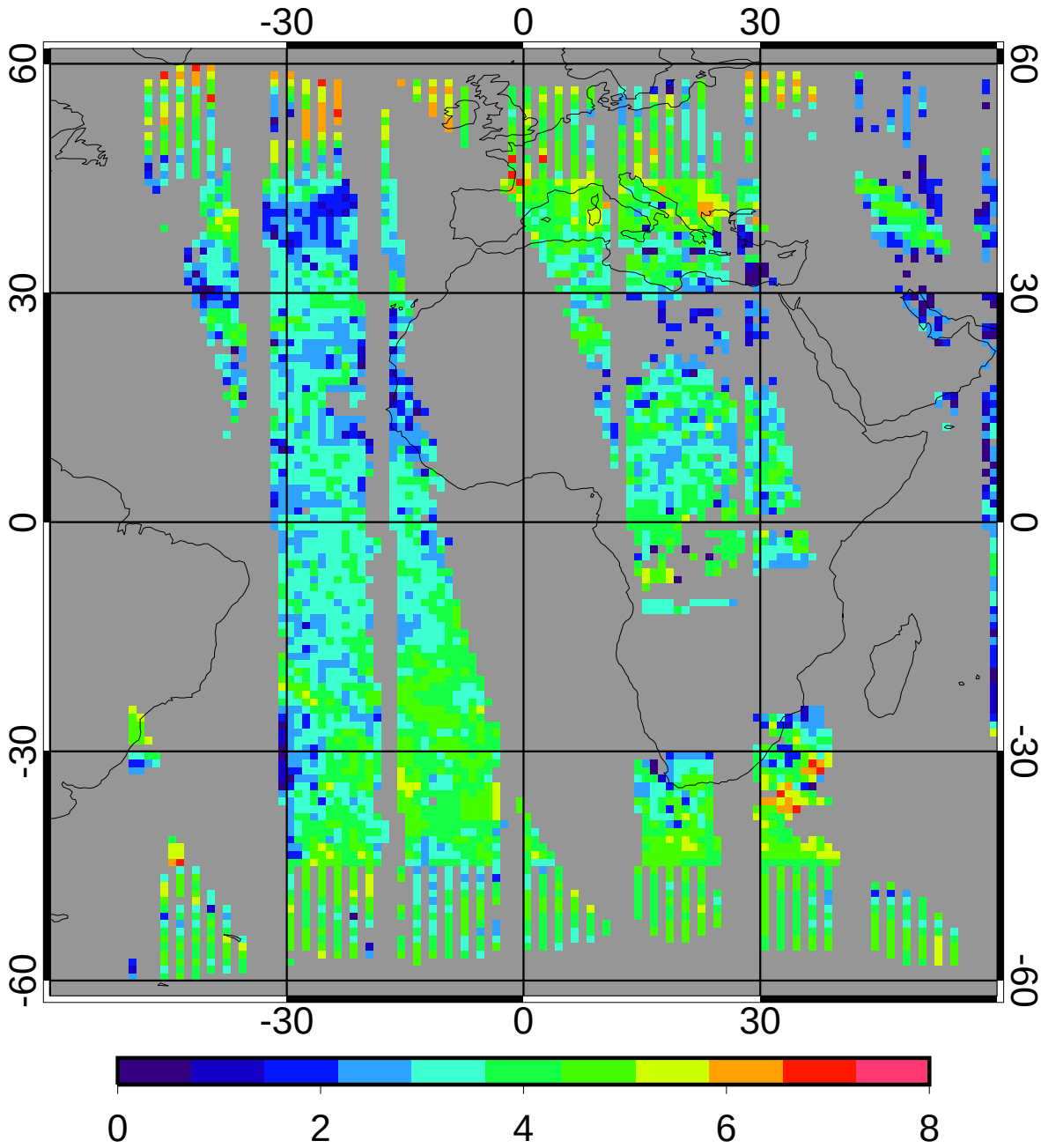
5ch_39cal Oct 2010




| | | |
|---|---|---|
| regave rms | 8.31 | 25.07% |
| domain rms | 15.38 | 46.40% |

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

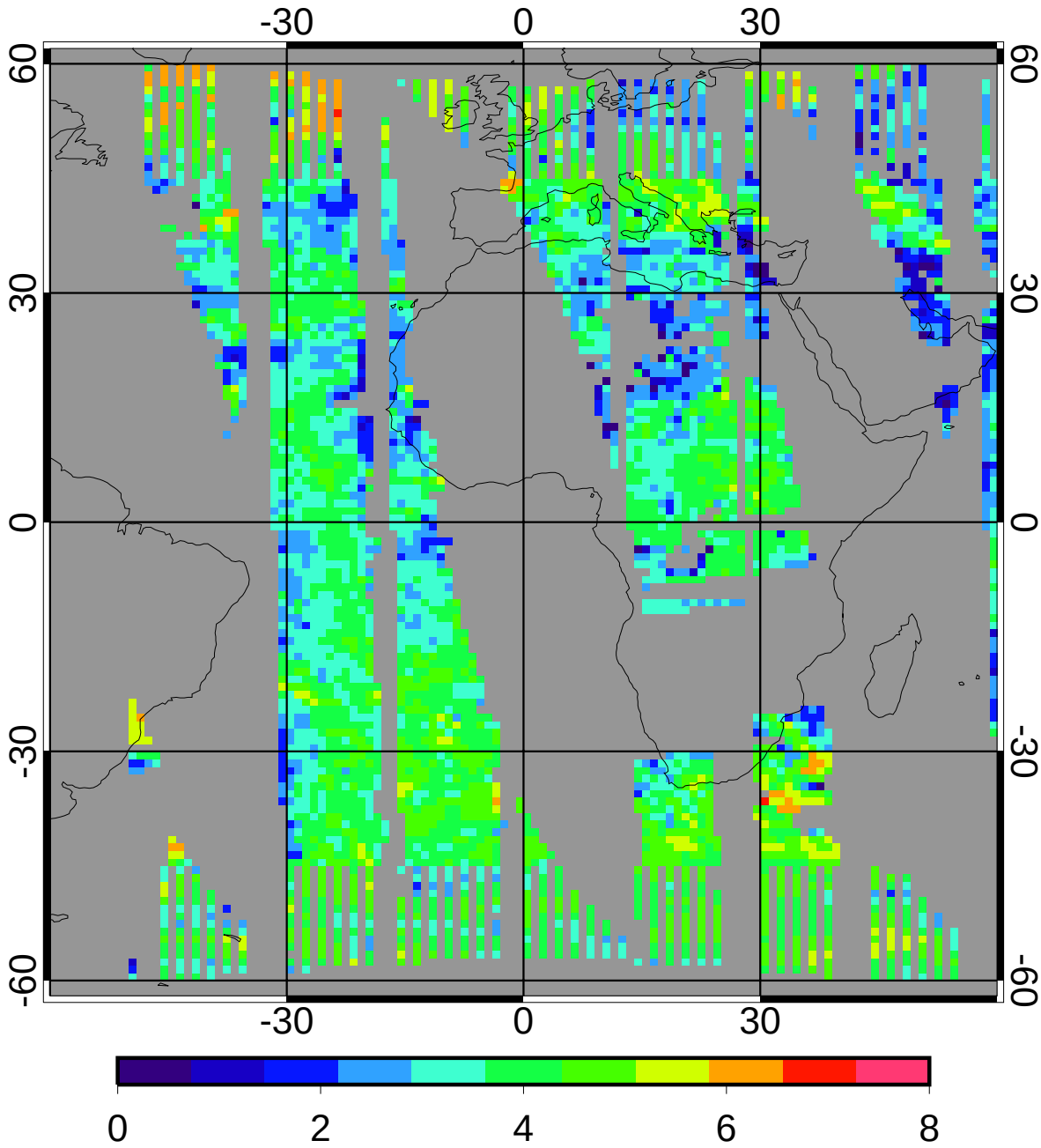
5ch_39cal Oct 2010




3.03

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

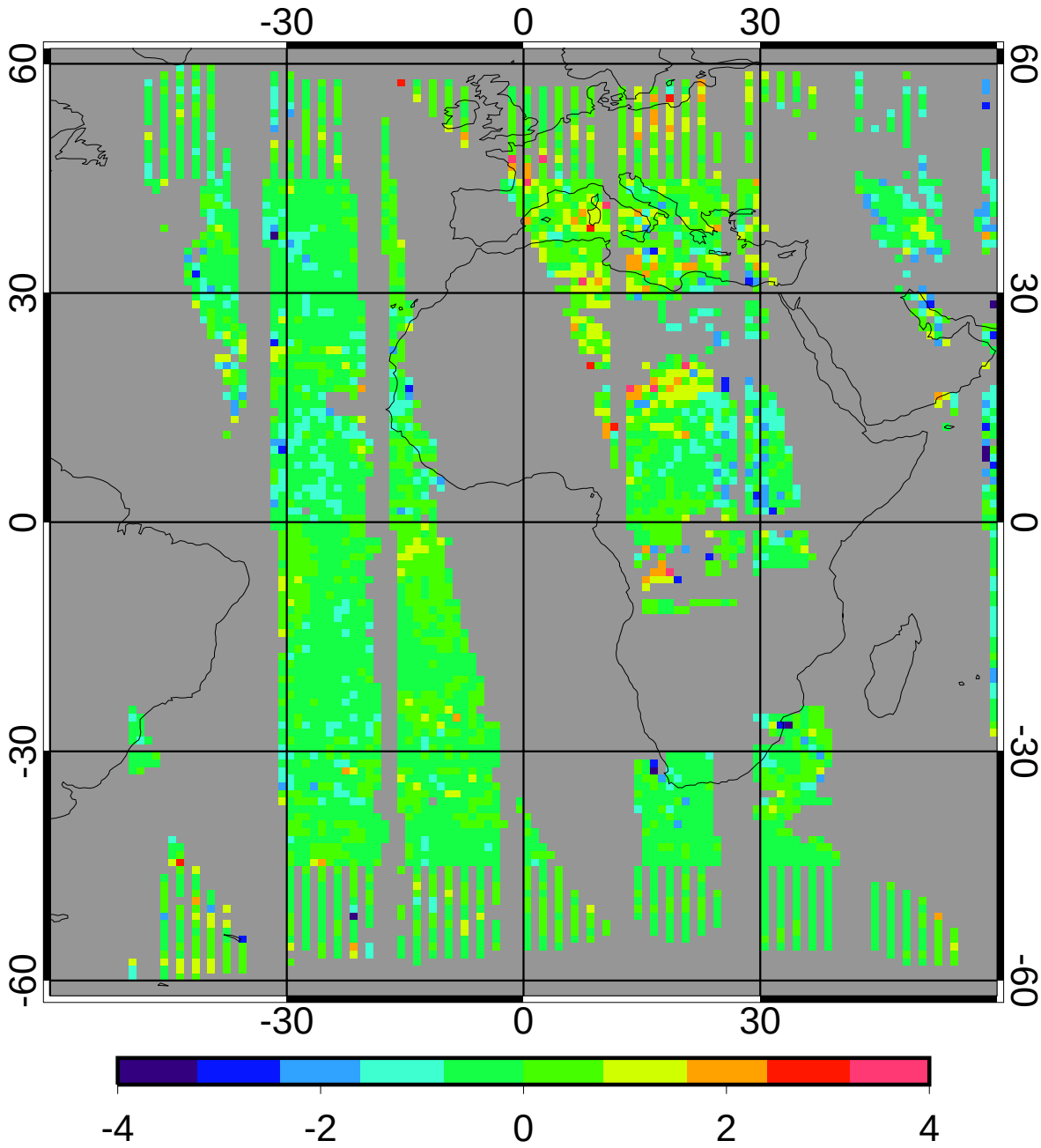
5ch_39cal Oct 2010




3.36

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

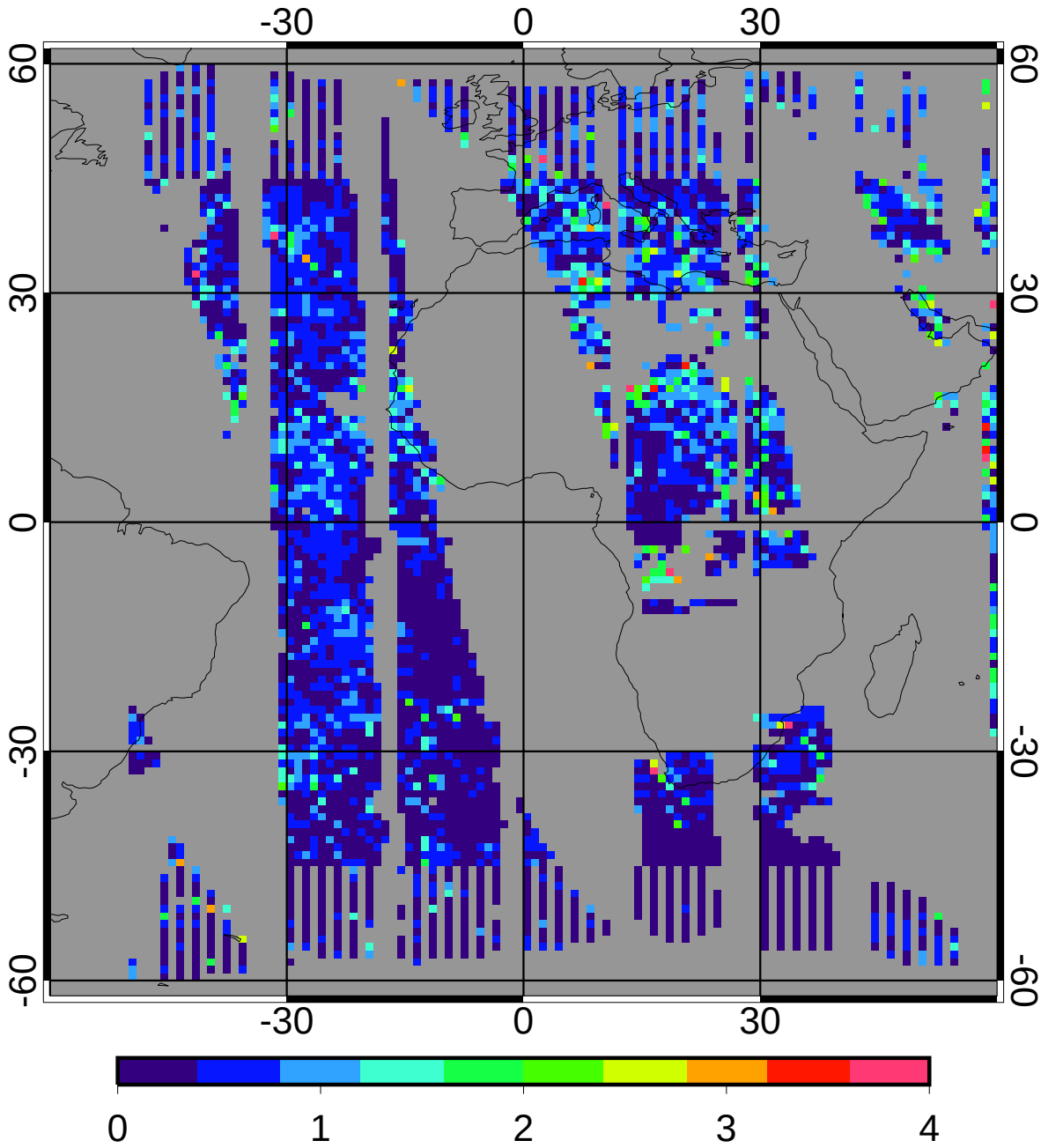
5ch_39cal Oct 2010




| | | |
|---|---|---|
| bias | -0.13 | -3.72% |
| domain sigma | 0.62 | 18.32% |

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

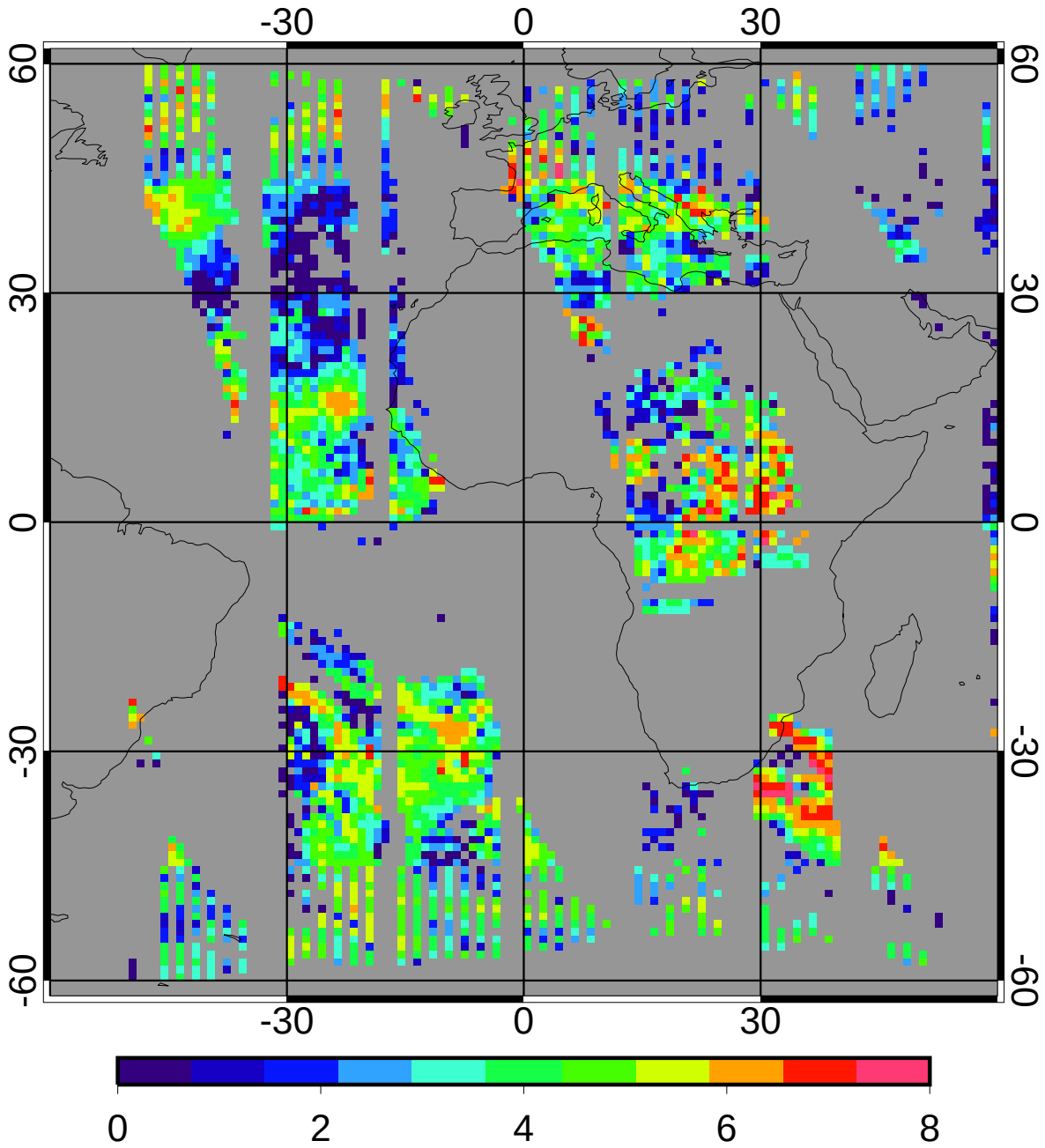
5ch_39cal Oct 2010




| | | |
|---|---|---|
| regave rms | 0.47 | 13.89% |
| domain rms | 0.66 | 19.54% |

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

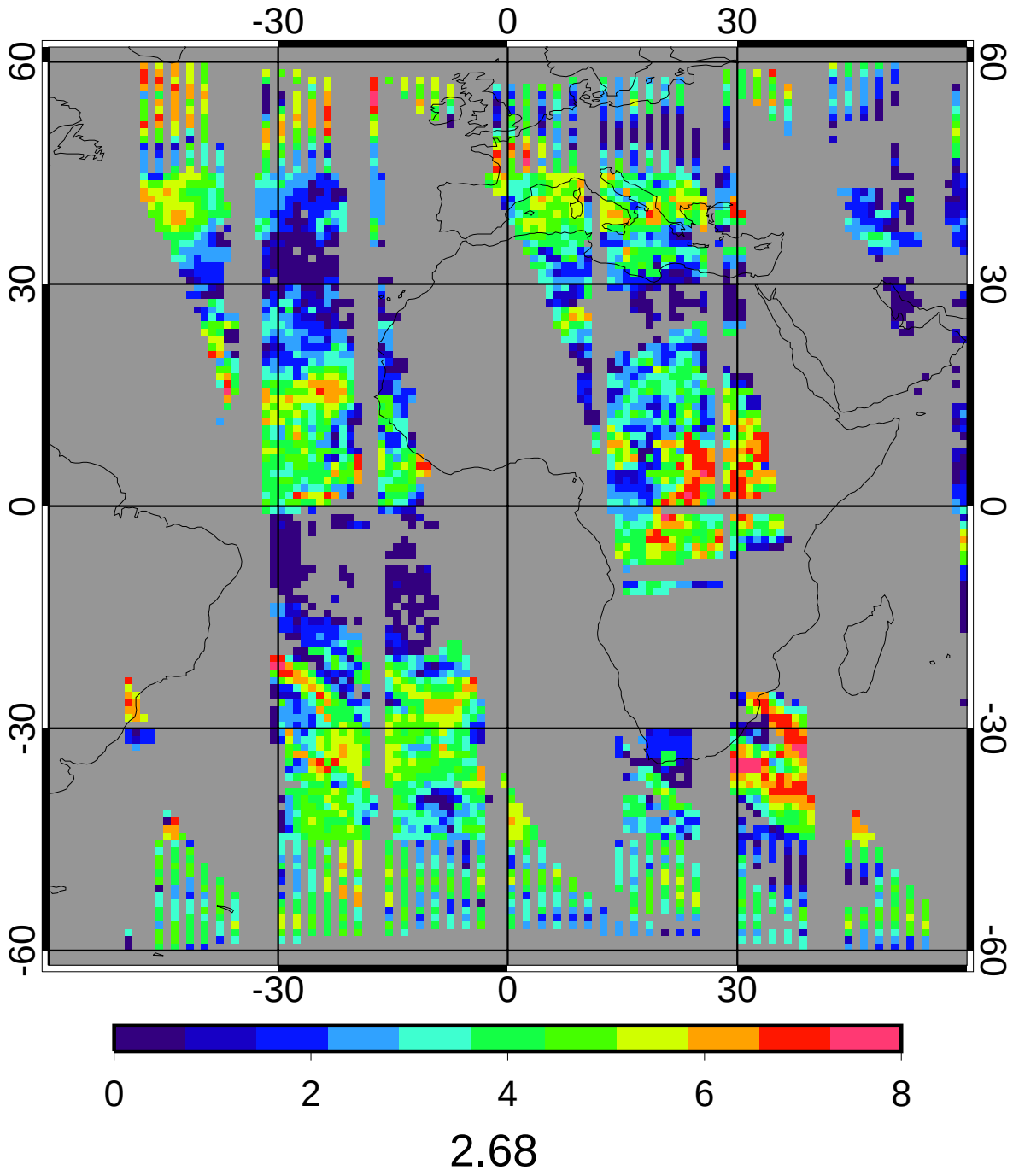
5ch_39cal Oct 2010




2.28

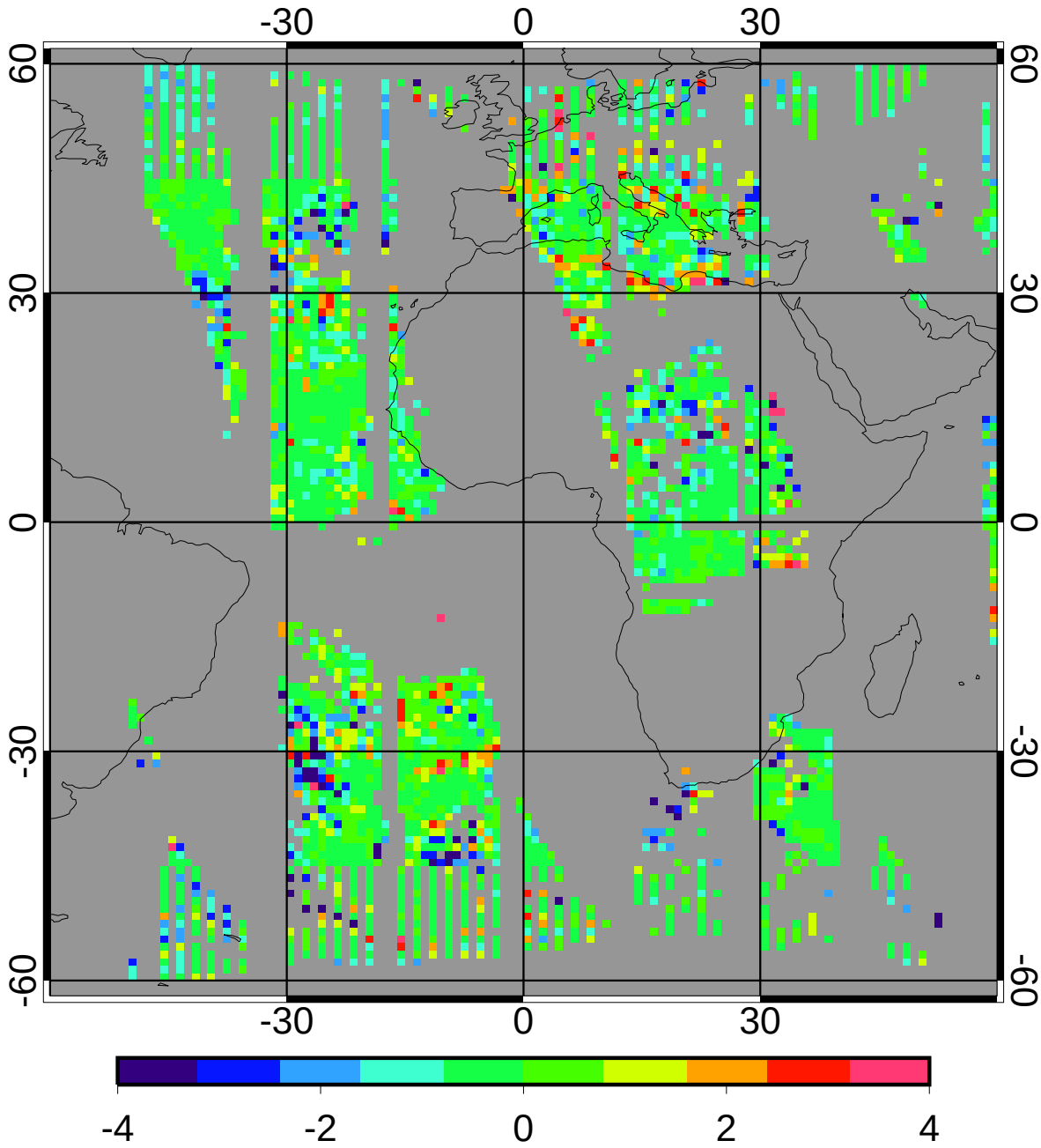
CERES/Aqua MEAN Daytime Log Ice Water Path (g/m2)

5ch_39cal Oct 2010



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

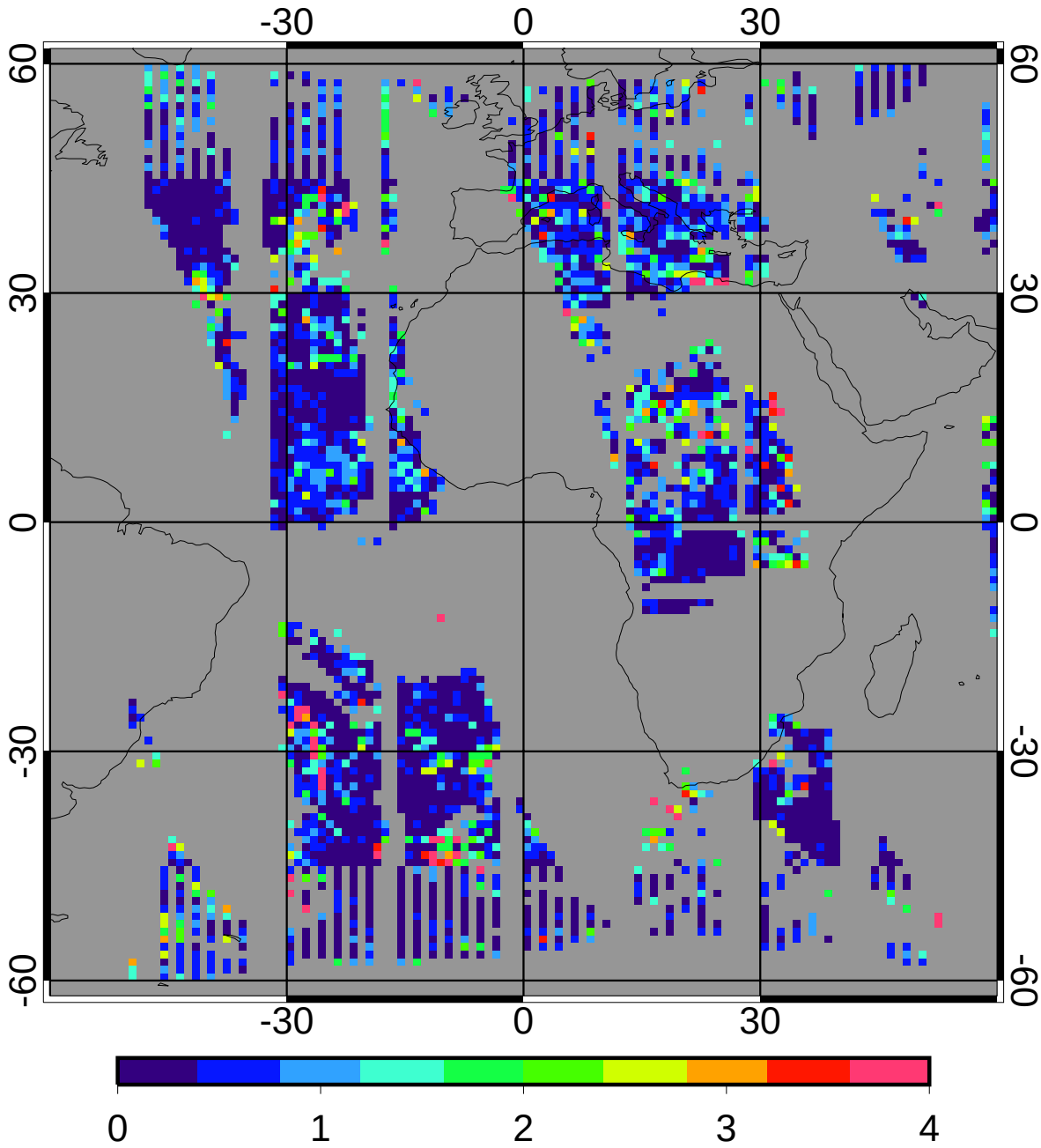
5ch_39cal Oct 2010




| | | |
|---|---|---|
| bias | -0.15 | -5.64% |
| domain sigma | 0.98 | 36.59% |

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

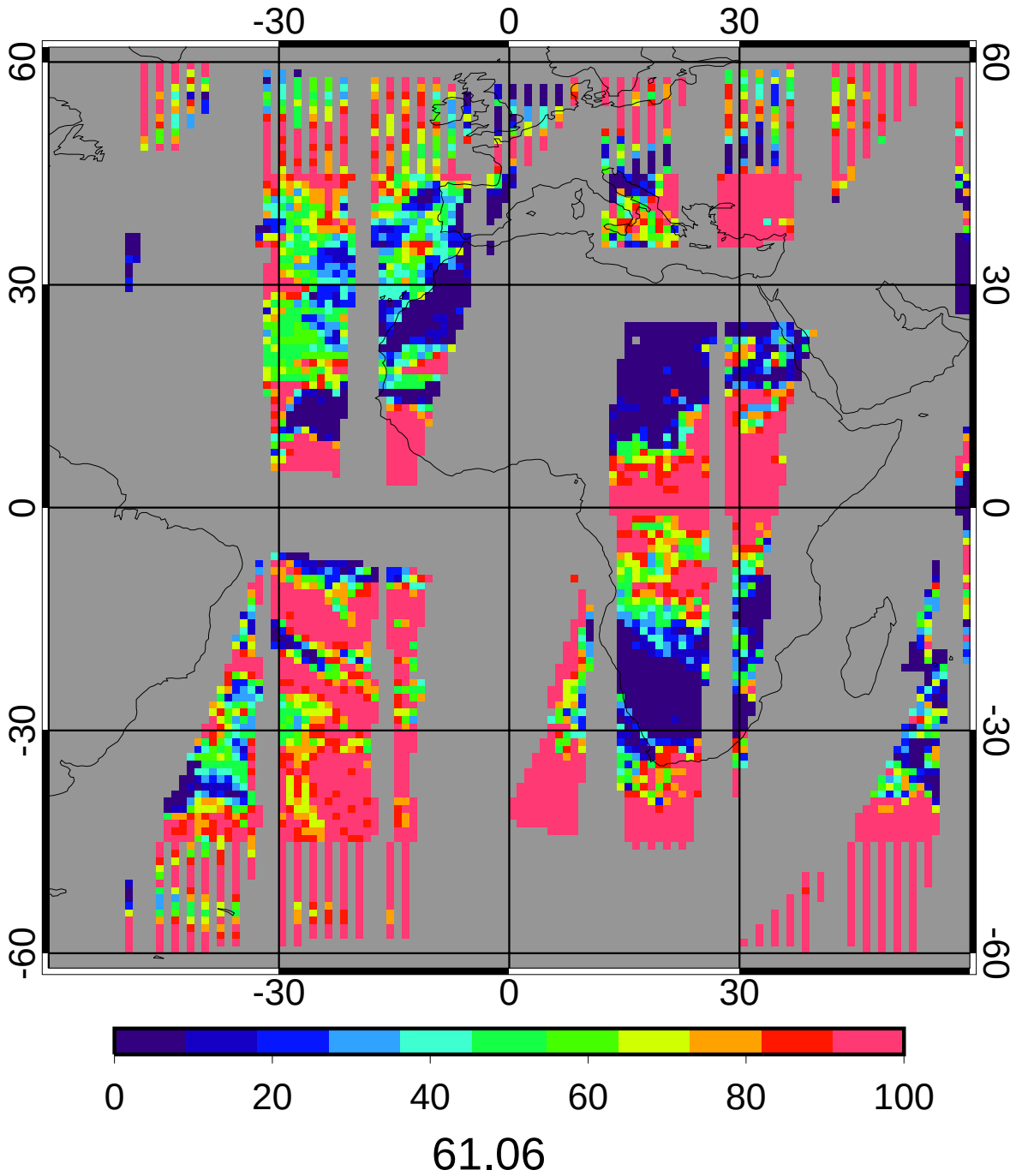
5ch_39cal Oct 2010




| | | |
|---|---|---|
| regave rms | 0.47 | 17.35% |
| domain rms | 0.97 | 36.20% |

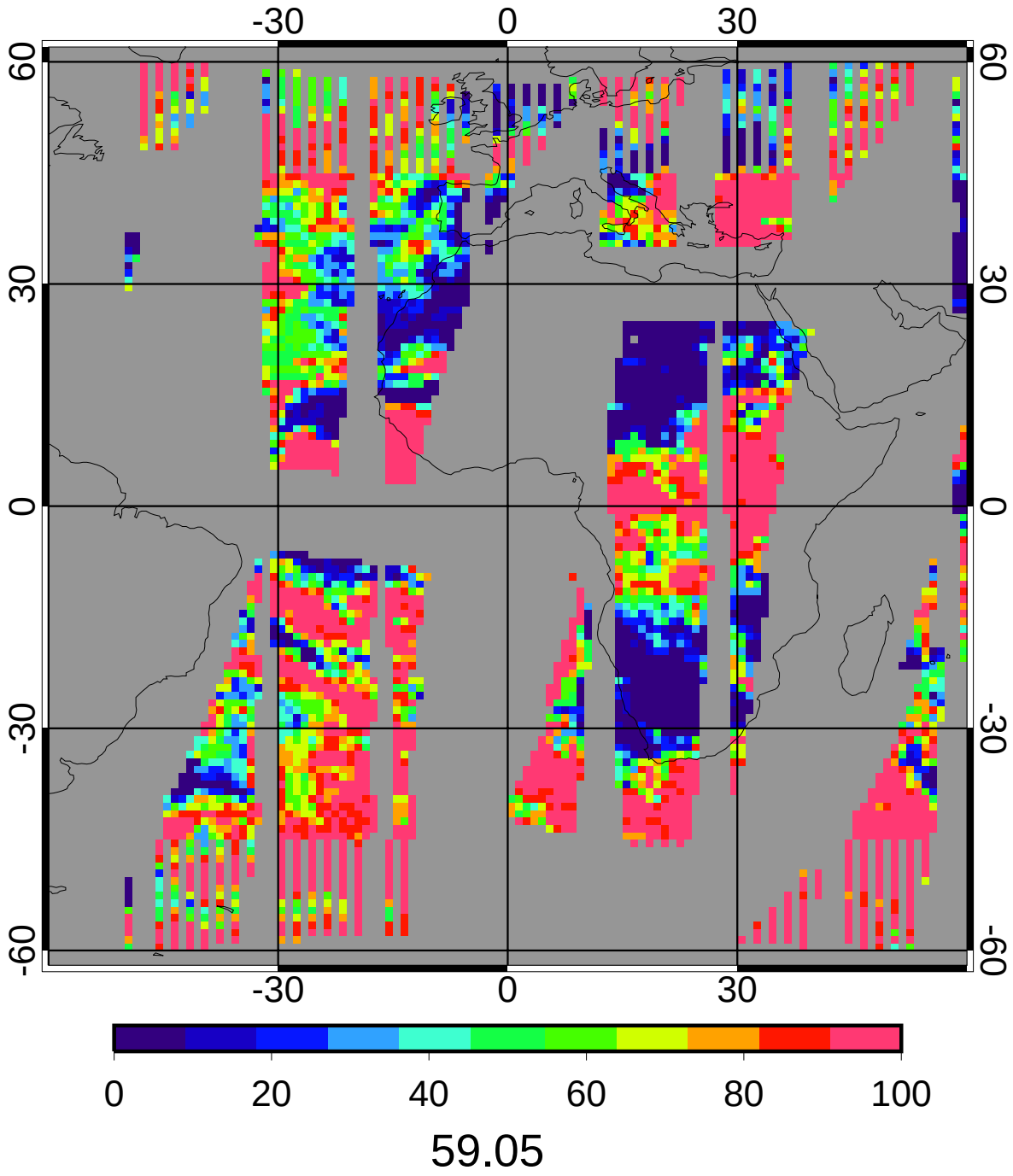
GGEO MEAN Nighttime Cloud Amount (%)

5ch_39cal Oct 2010



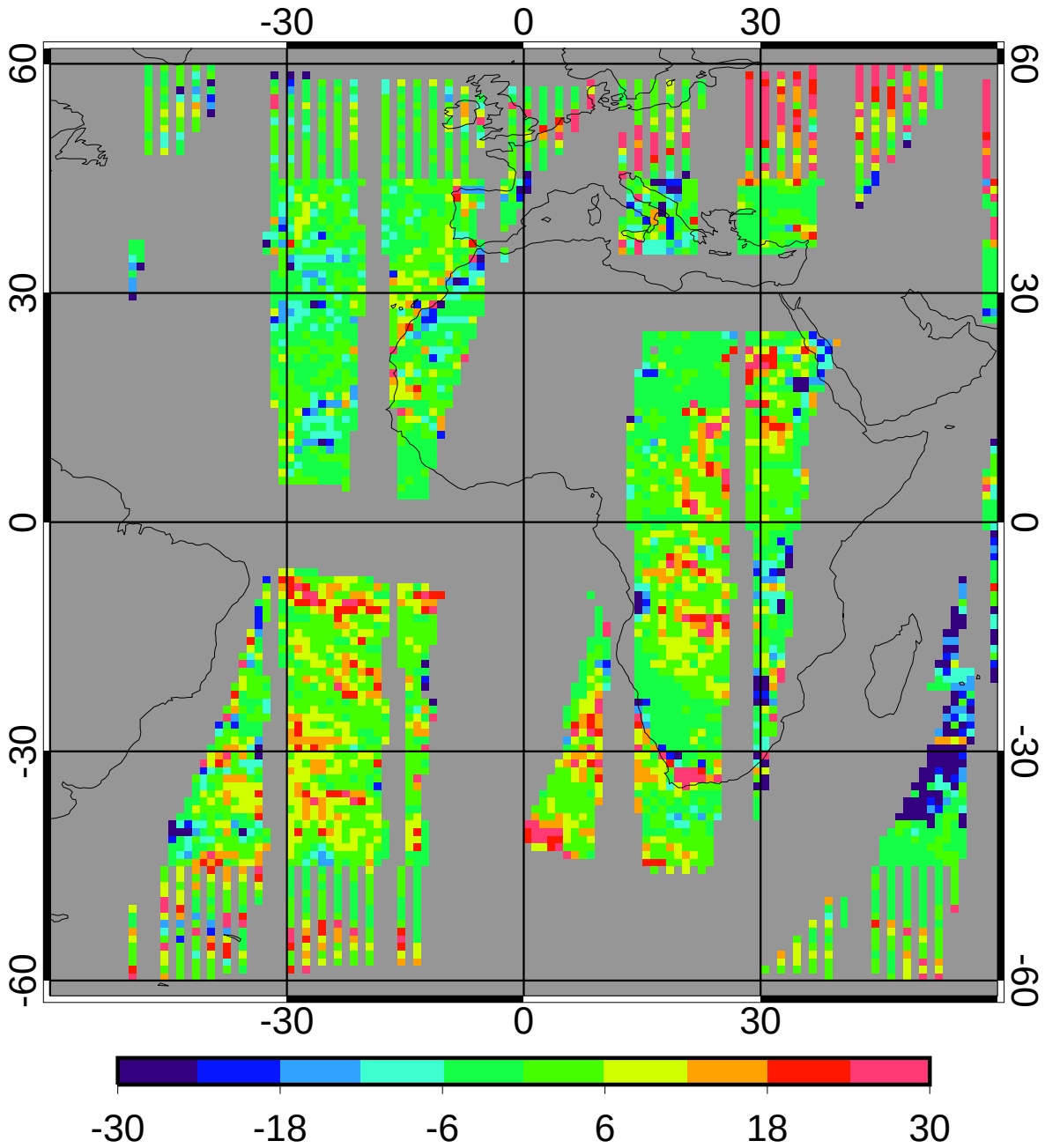
CERES/Aqua MEAN Nighttime Cloud Amount (%)

5ch_39cal Oct 2010



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

5ch_39cal Oct 2010



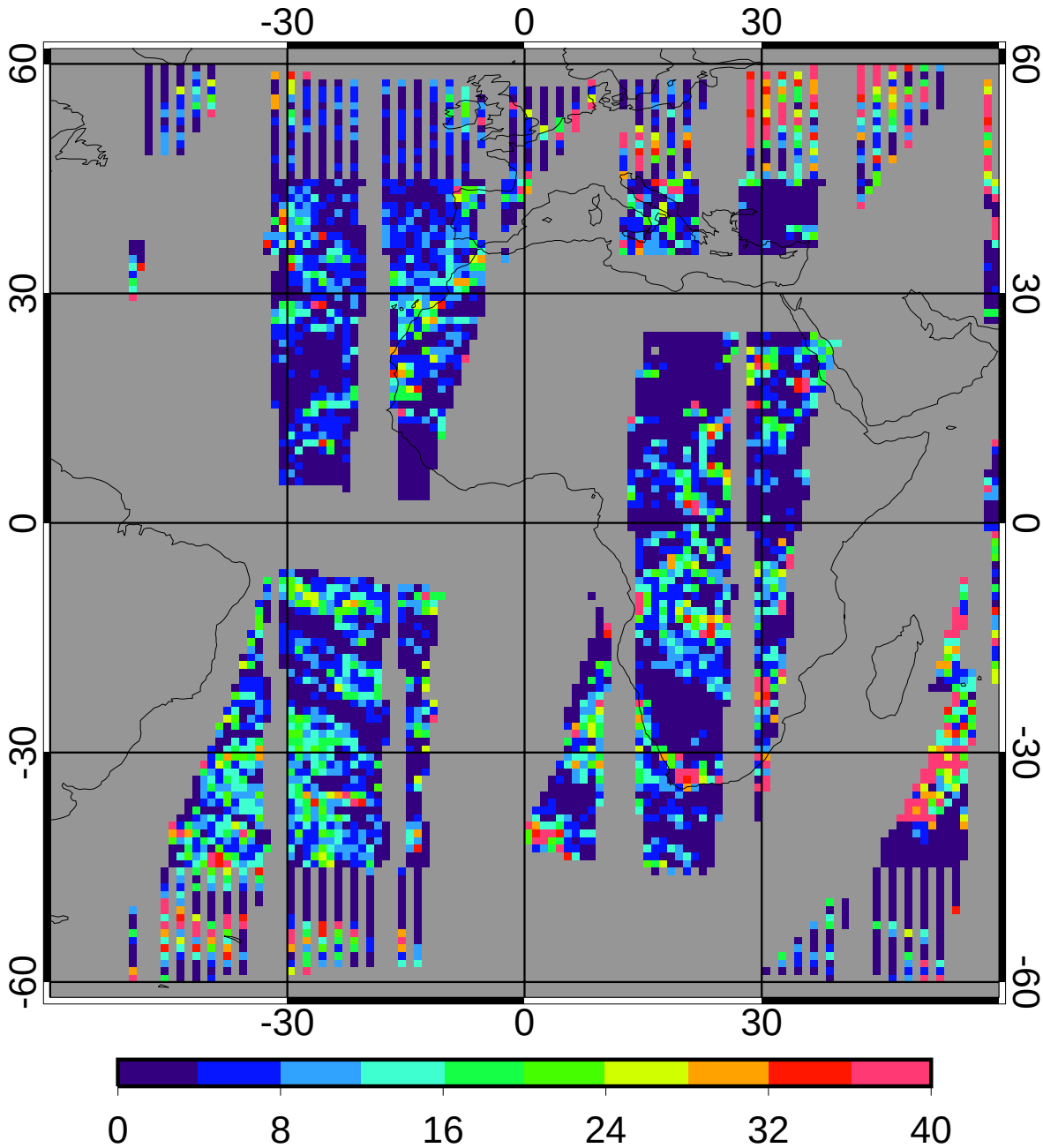




| | | |
|---|---|---|
| bias | 2.01 | 3.41% |
| domain sigma | 11.35 | 19.23% |

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

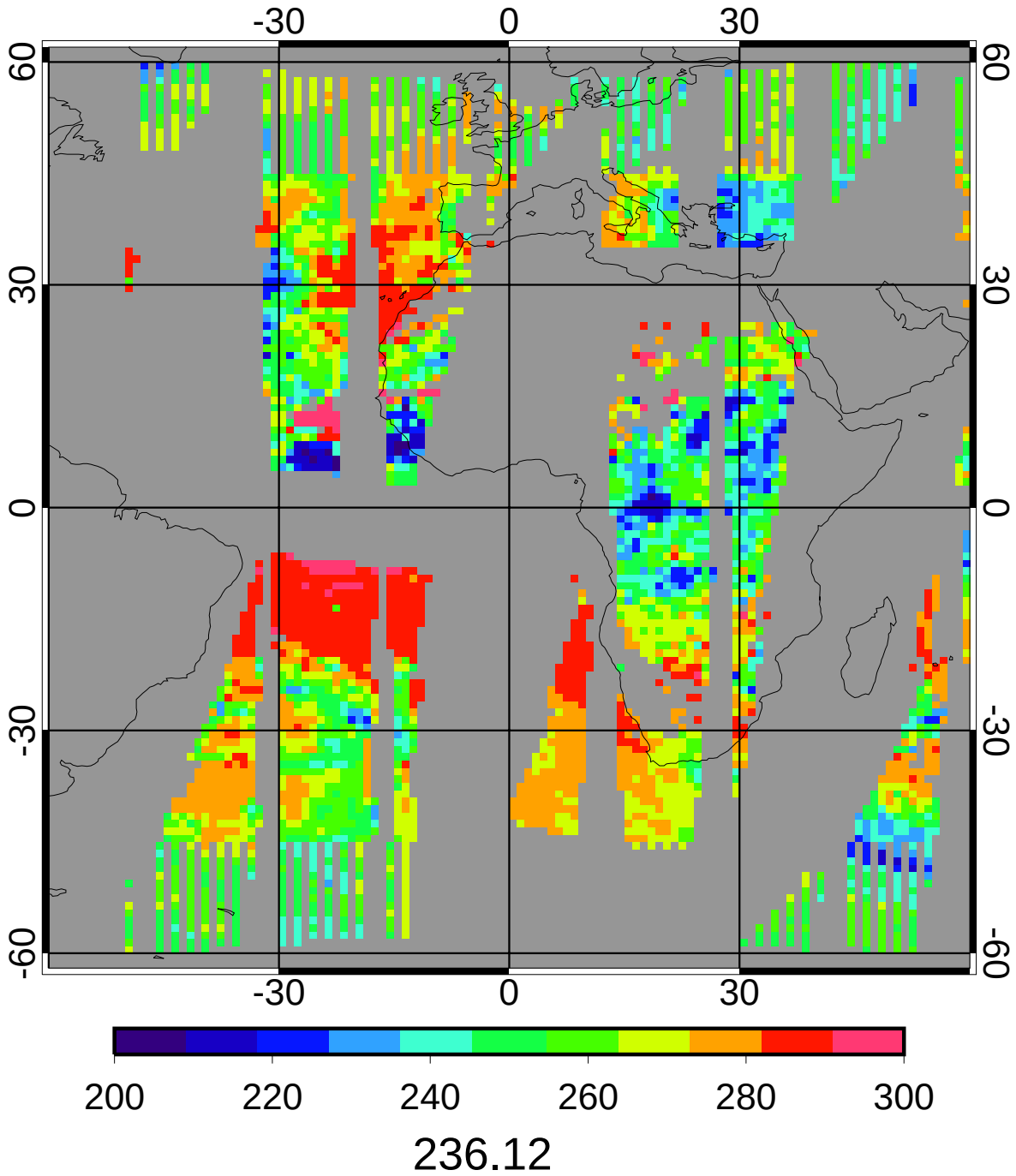
5ch_39cal Oct 2010




| | | |
|---|---|---|
| regave rms | 9.02 | 15.28% |
| domain rms | 13.47 | 22.81% |

GGEO MEAN Nighttime Cloud Temperature (K)

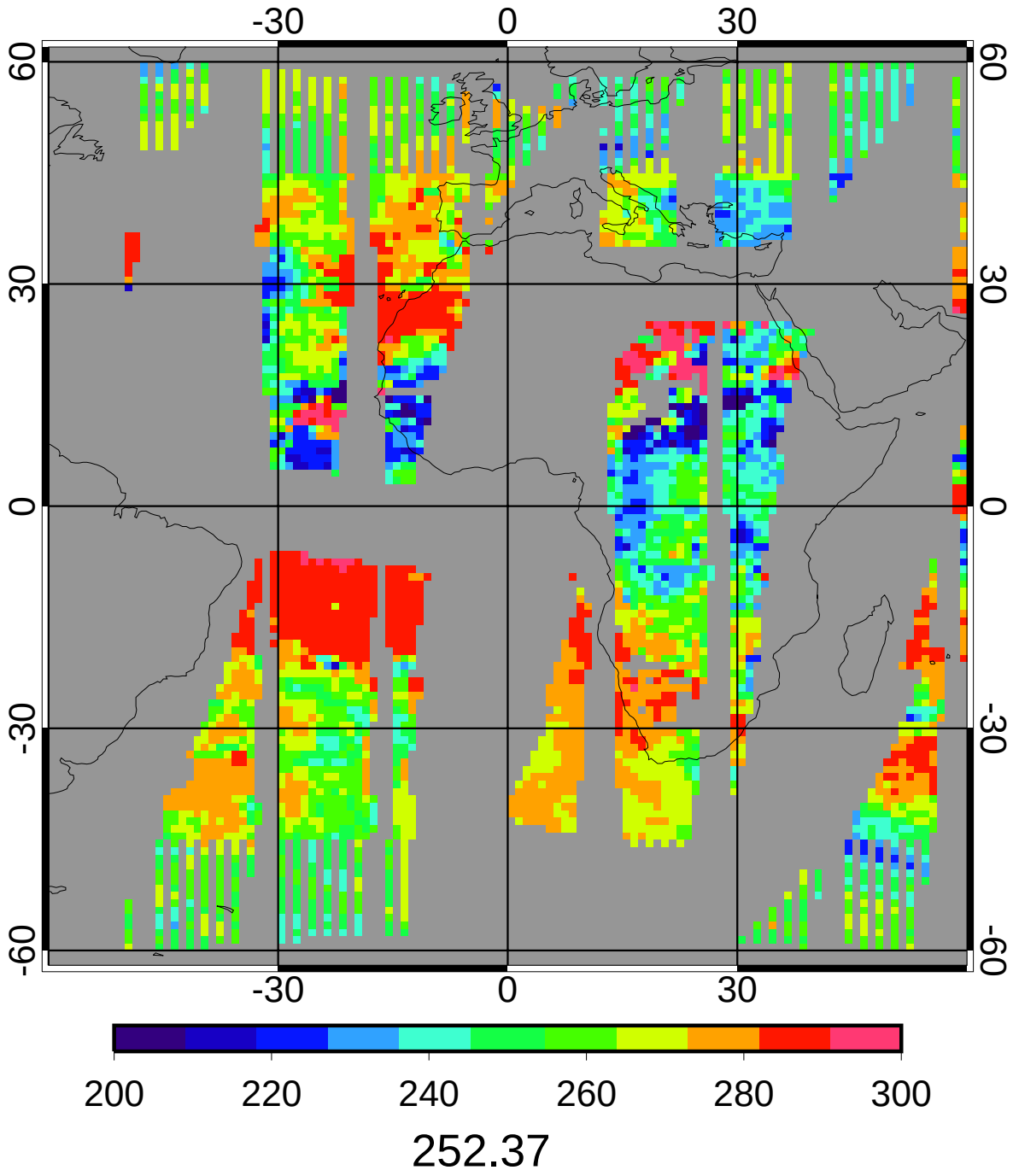
5ch_39cal Oct 2010




236.12

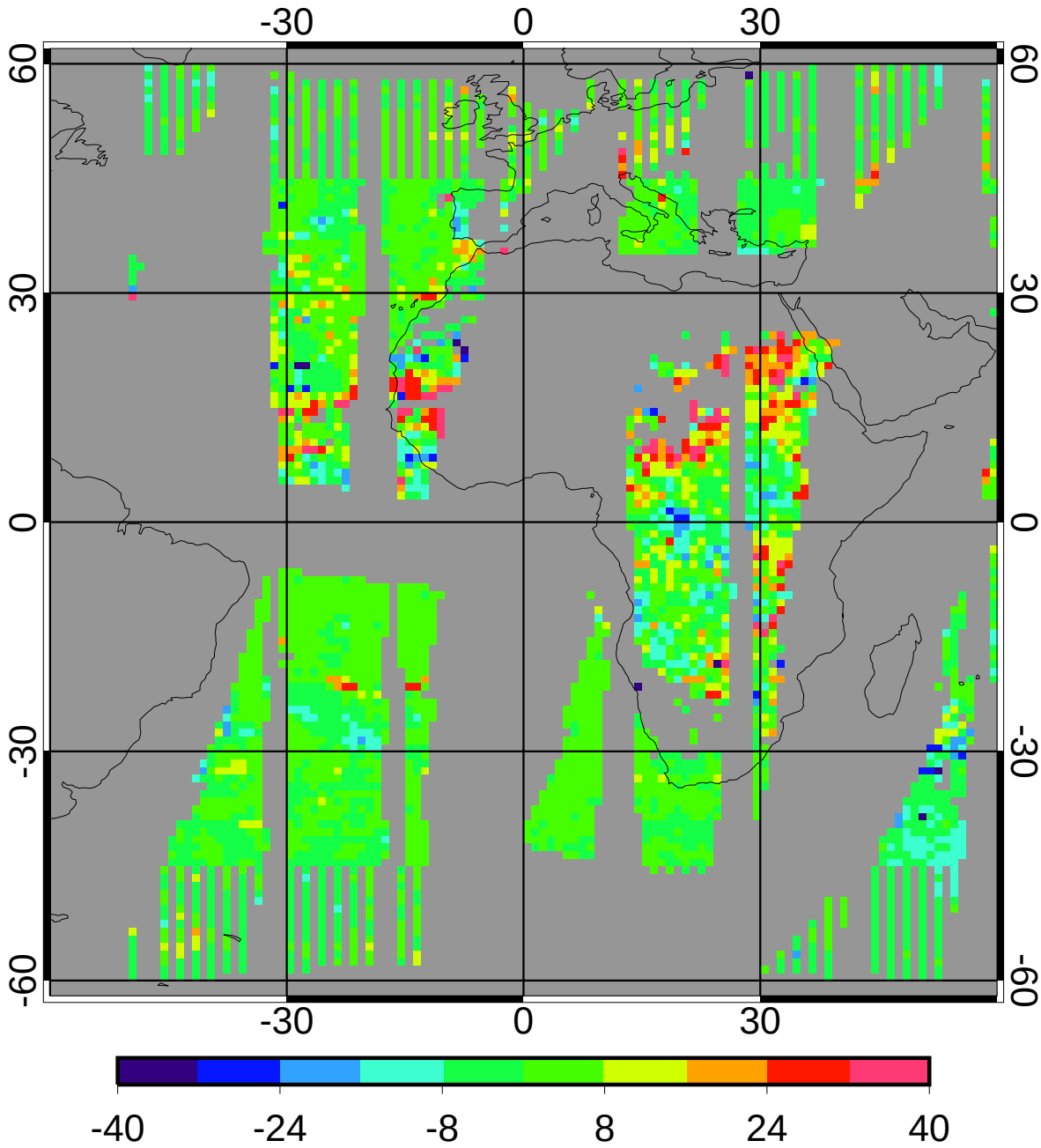
CERES/Aqua MEAN Nighttime Cloud Temperature (K)

5ch_39cal Oct 2010



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

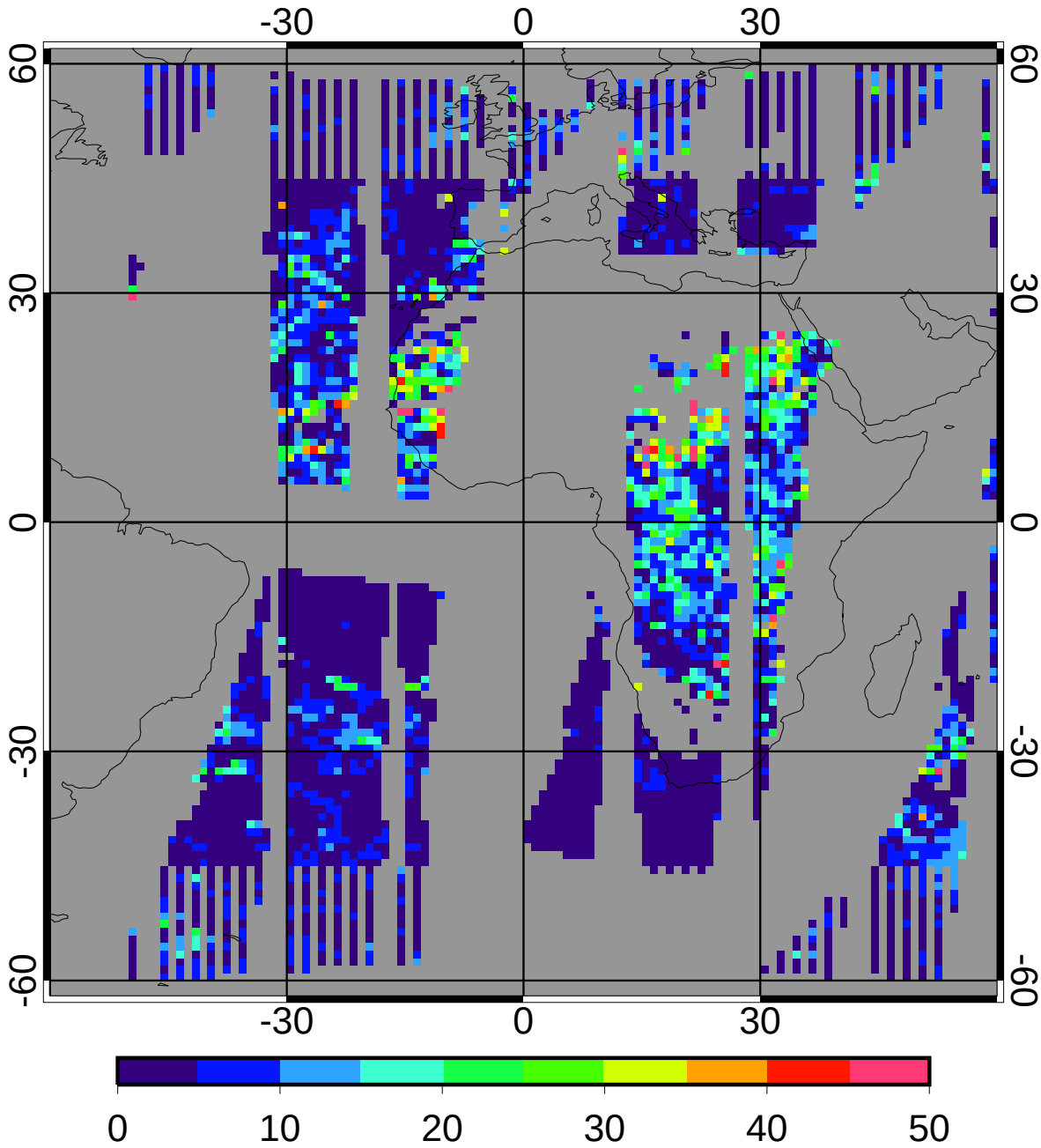
5ch_39cal Oct 2010




| | | |
|---|---|---|
| bias | 1.62 | 0.64% |
| domain sigma | 8.89 | 3.52% |

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

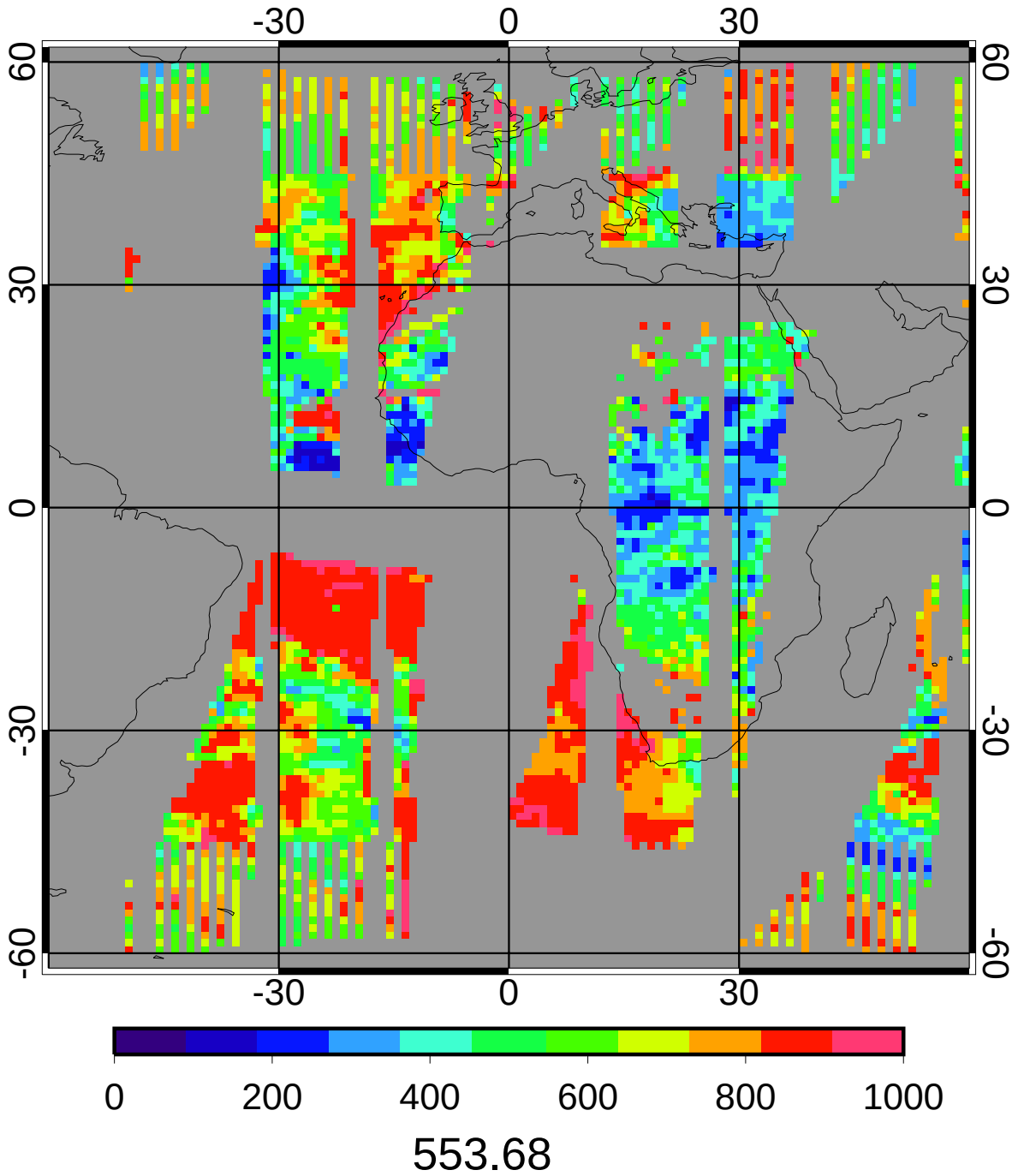
5ch_39cal Oct 2010




| | | |
|---|---|---|
| regave rms | 6.35 | 2.52% |
| domain rms | 9.71 | 3.85% |

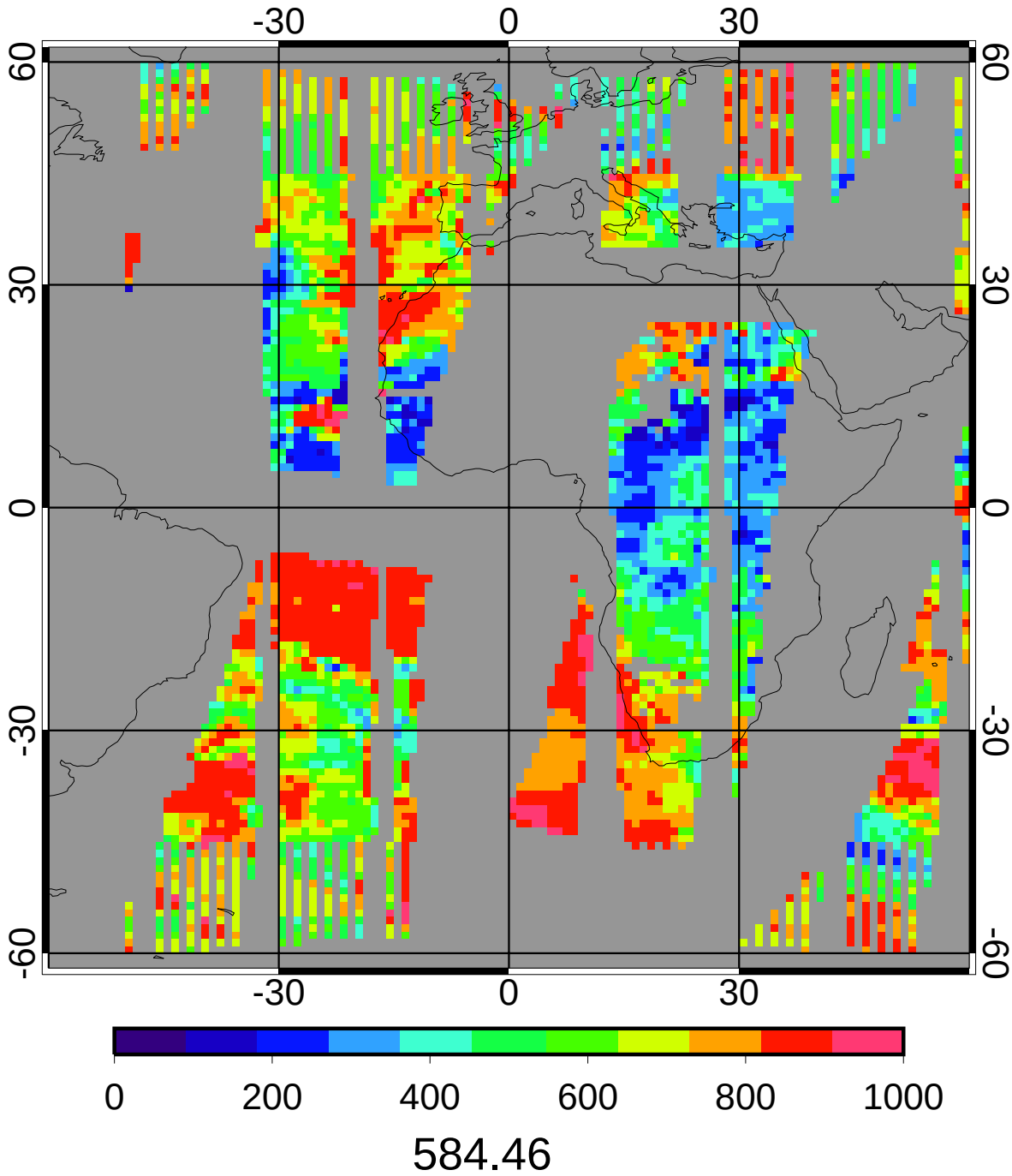
GGEO MEAN Nighttime Cloud Eff Pressure (mb)

5ch_39cal Oct 2010



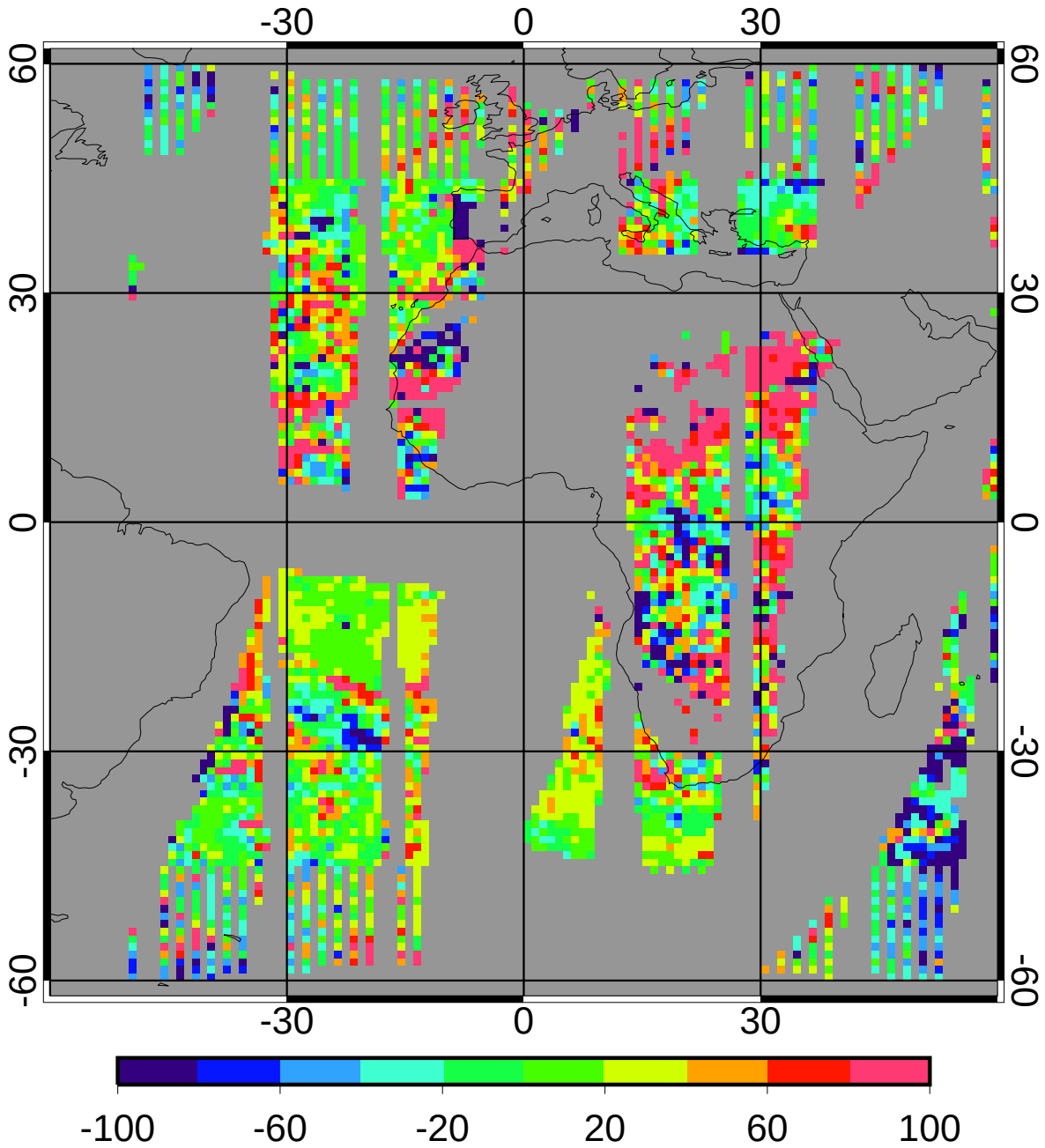
CERES/Aqua MEAN Nighttime Cloud Eff Pressure (mb)

5ch_39cal Oct 2010



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

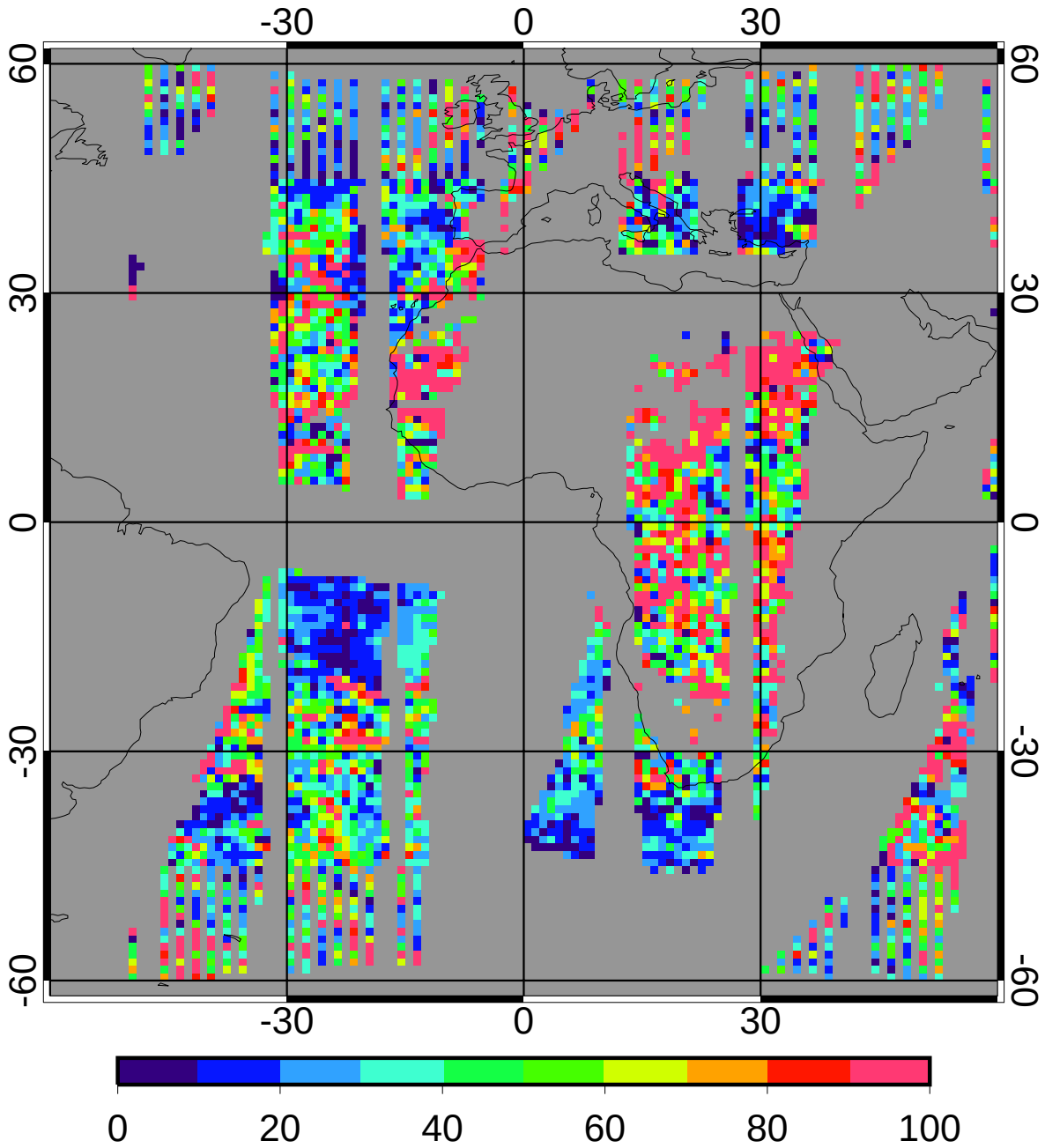
5ch_39cal Oct 2010




| | | |
|---|---|---|
| bias | 15.75 | 2.69% |
| domain sigma | 74.07 | 12.67% |

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

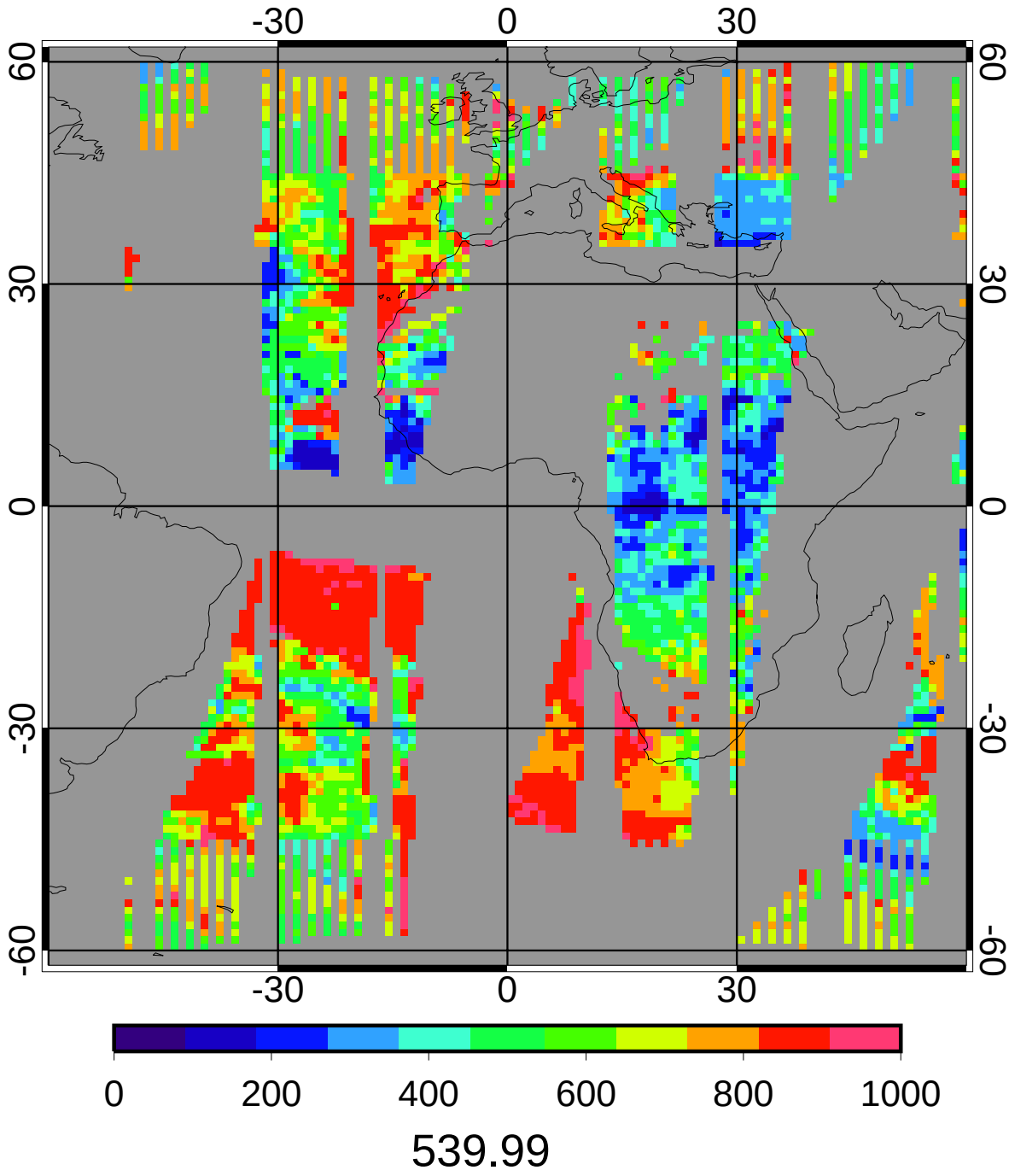
5ch_39cal Oct 2010




| | | |
|---|---|---|
| regave rms | 55.78 | 9.54% |
| domain rms | 80.20 | 13.72% |

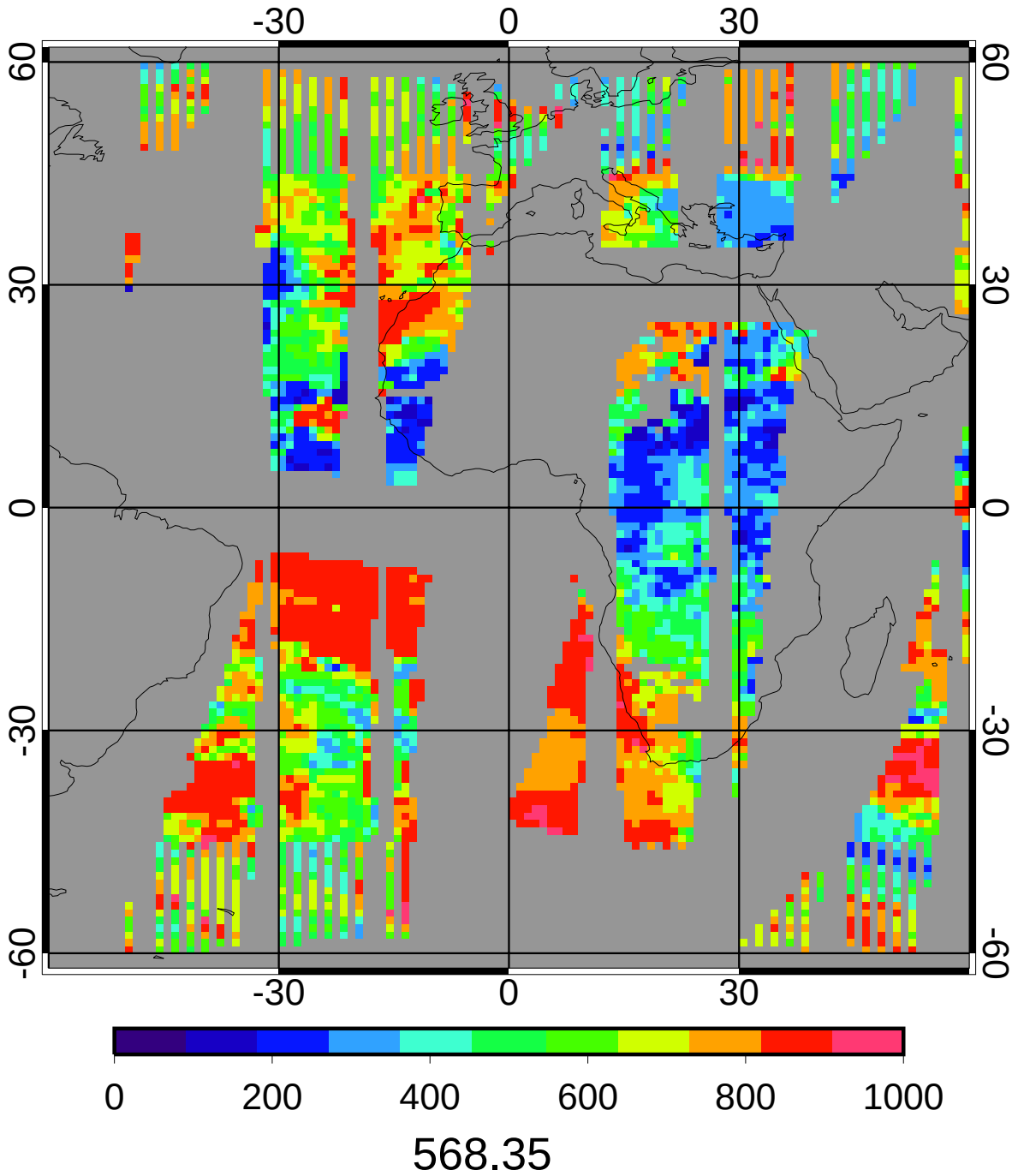
GGEO MEAN Nighttime Cloud Top Pressure (mb)

5ch_39cal Oct 2010



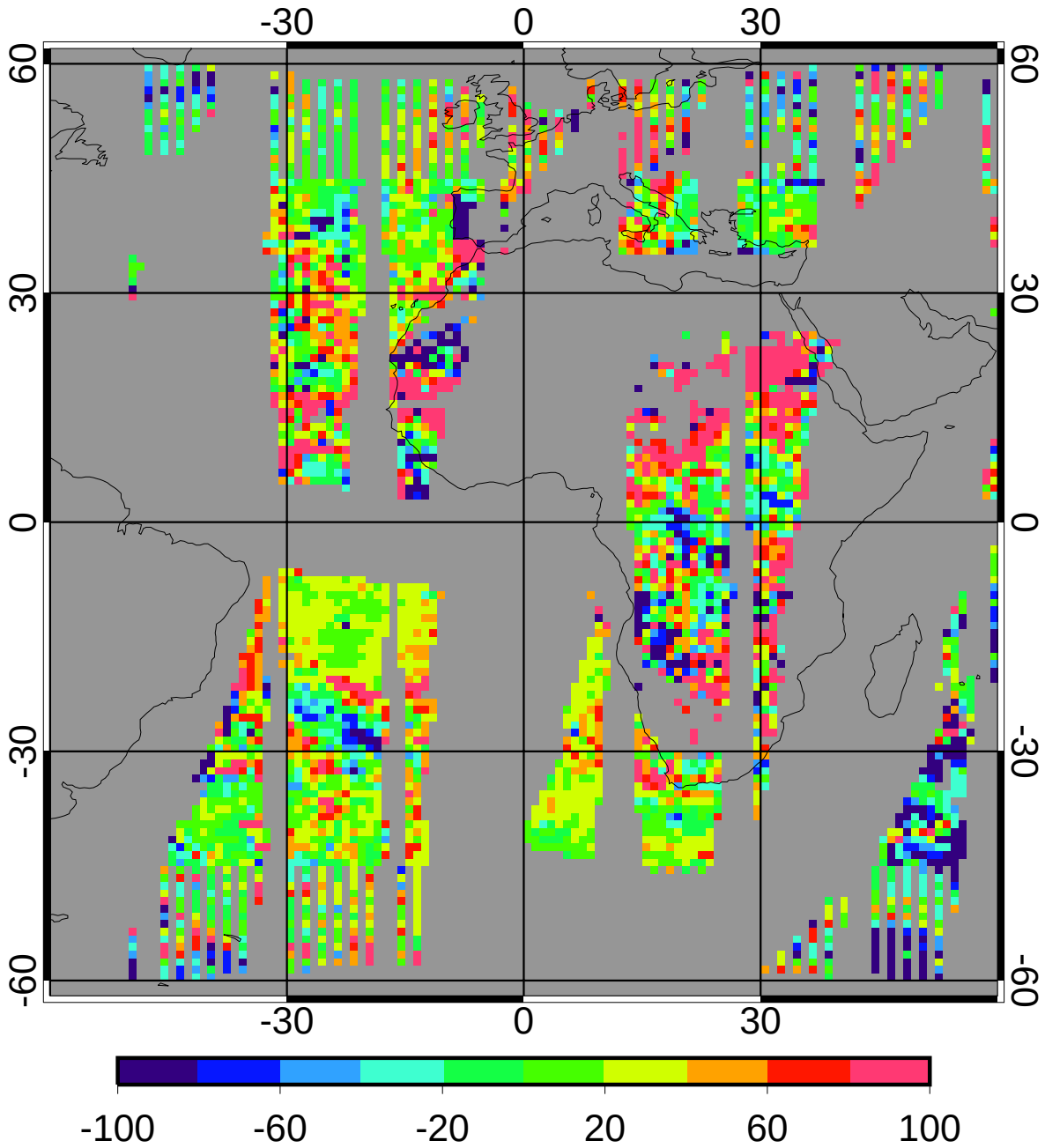
CERES/Aqua MEAN Nighttime Cloud Top Pressure (mb)

5ch_39cal Oct 2010



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

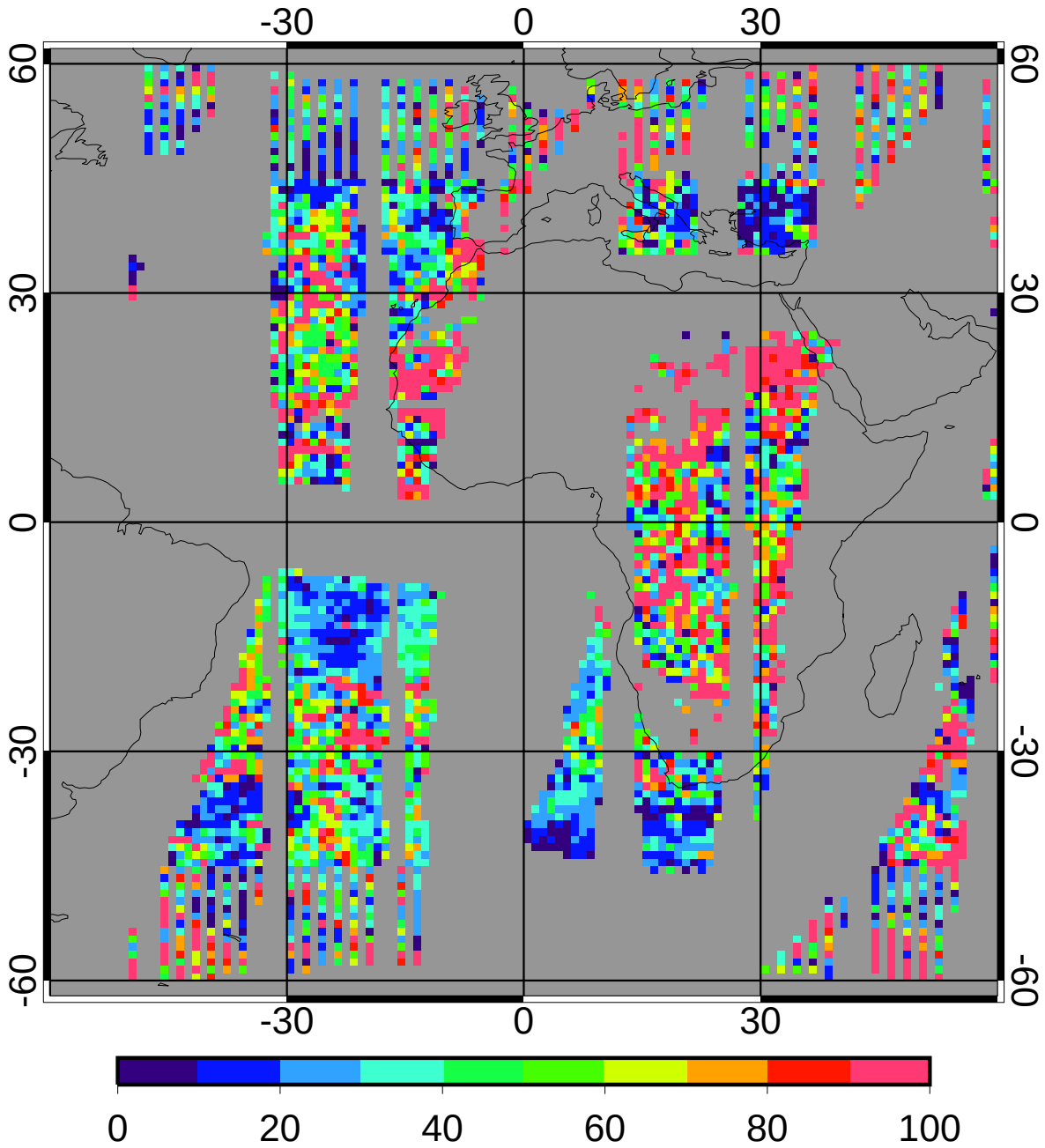
5ch_39cal Oct 2010




| | | |
|---|---|---|
| bias | 17.65 | 3.10% |
| domain sigma | 75.31 | 13.25% |

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

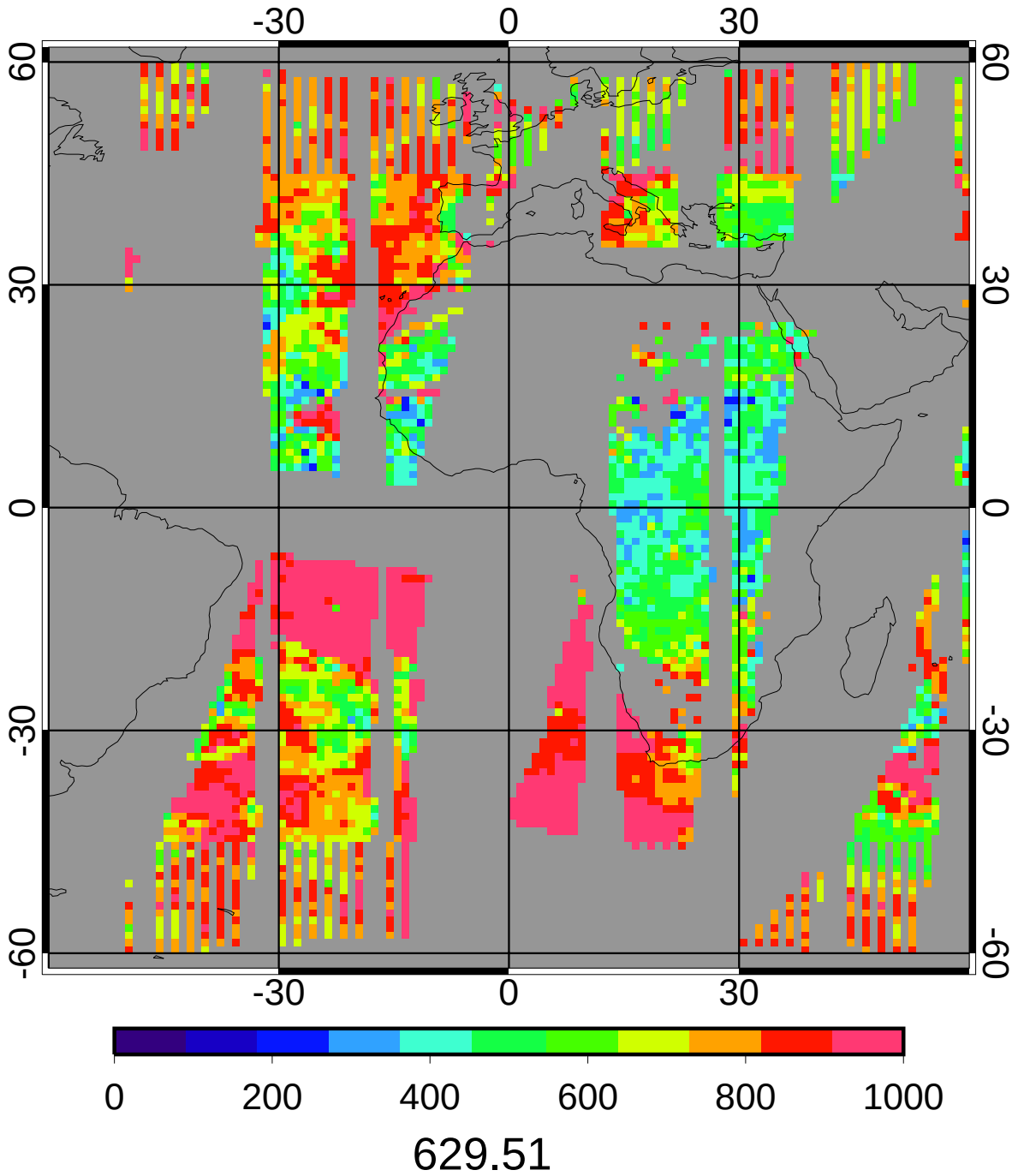
5ch_39cal Oct 2010




| | | |
|---|---|---|
| regave rms | 57.52 | 10.12% |
| domain rms | 81.97 | 14.42% |

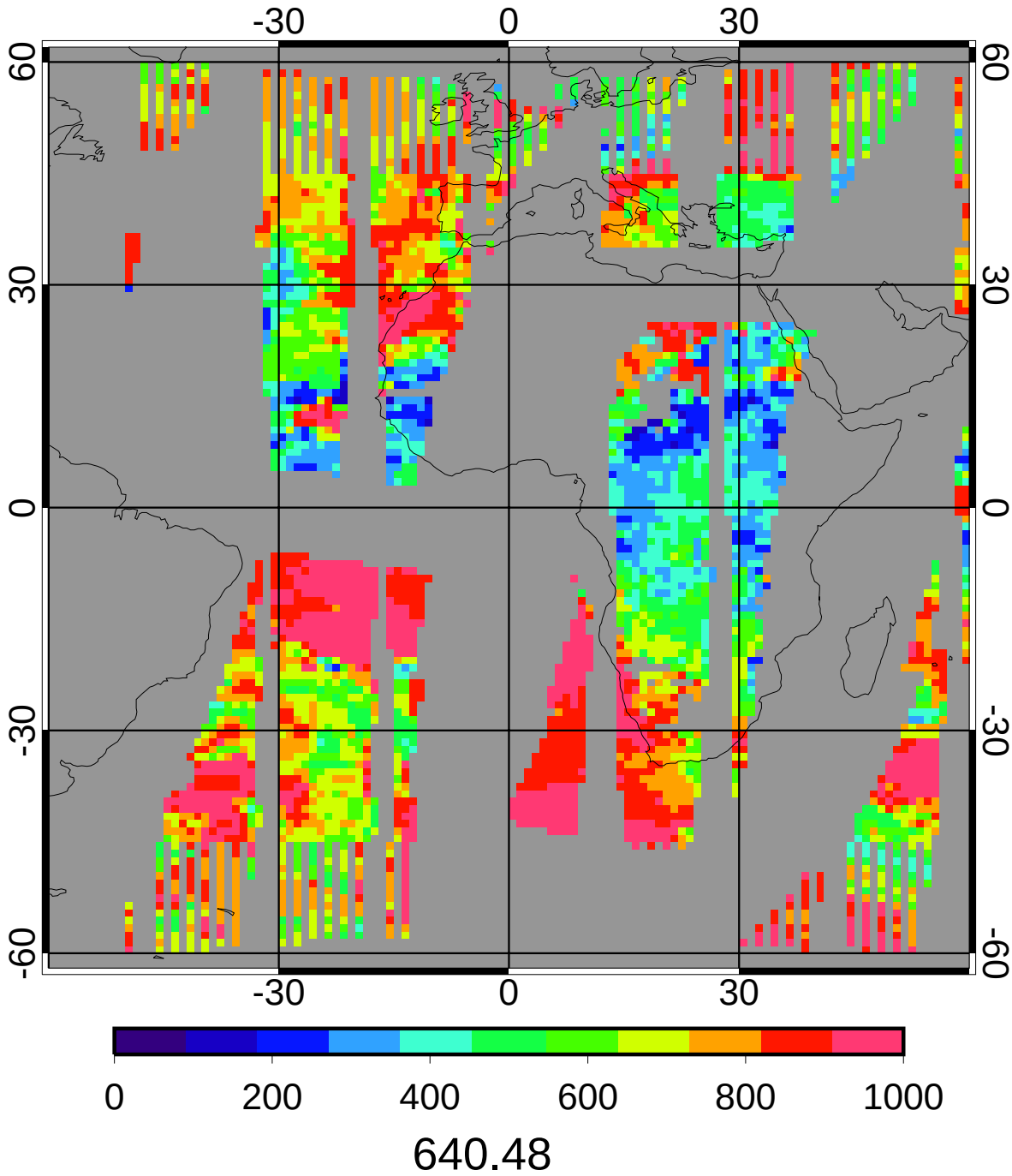
GGEO MEAN Nighttime Cloud Base Pressure (mb)

5ch_39cal Oct 2010



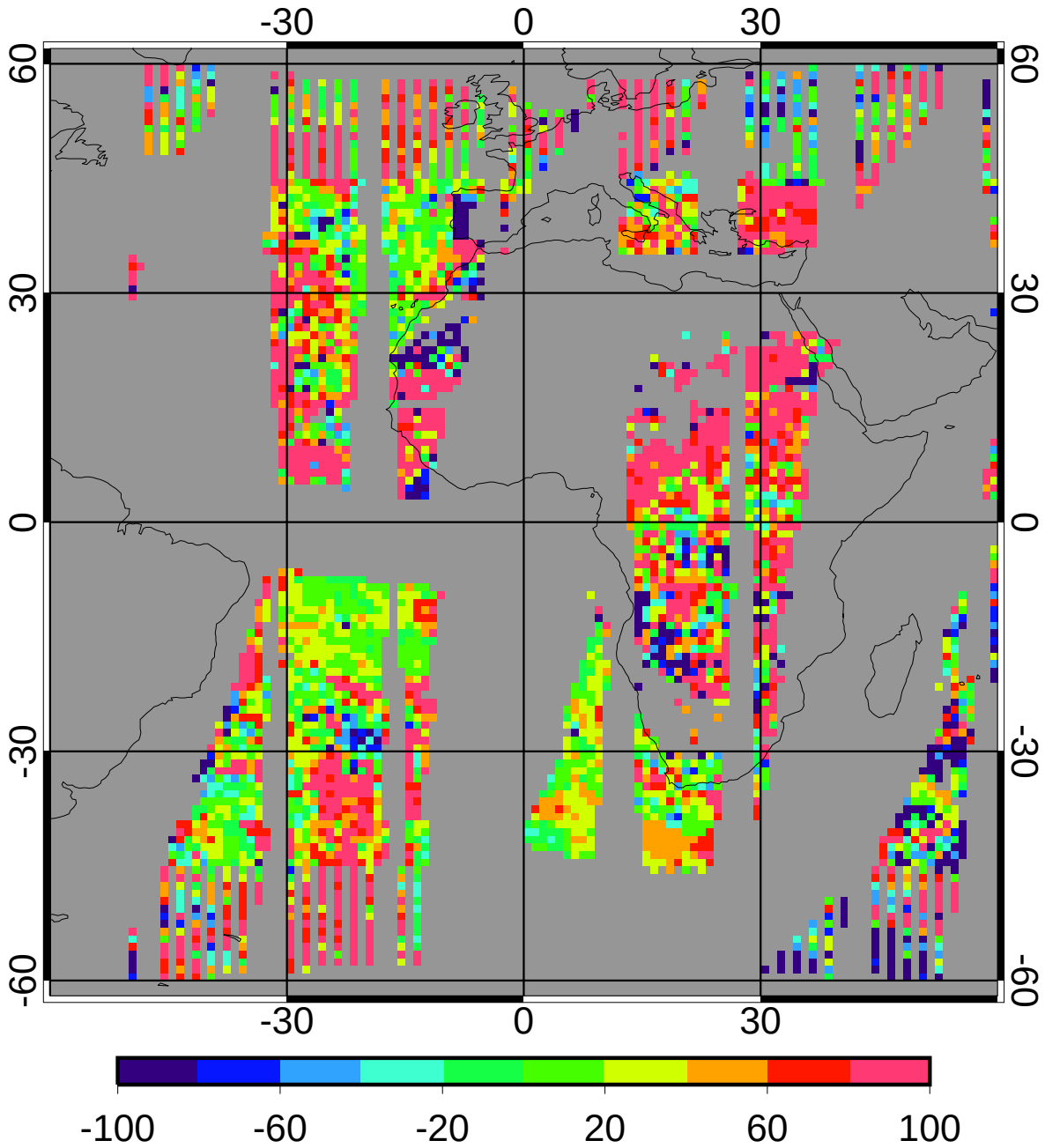
CERES/Aqua MEAN Nighttime Cloud Base Pressure (mb)

5ch_39cal Oct 2010



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

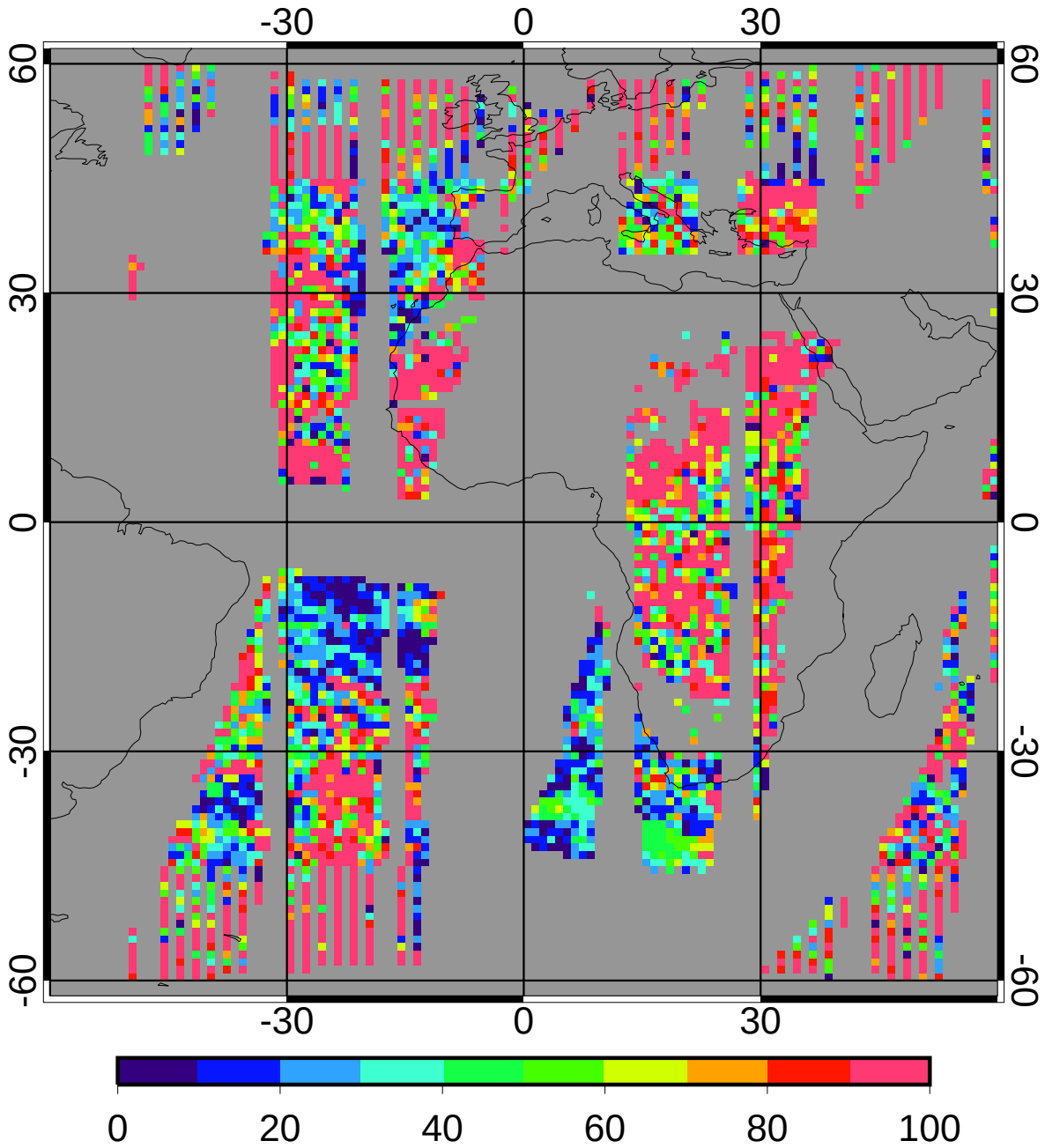
5ch_39cal Oct 2010




| | | |
|---|---|---|
| bias | 38.36 | 5.99% |
| domain sigma | 81.62 | 12.74% |

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

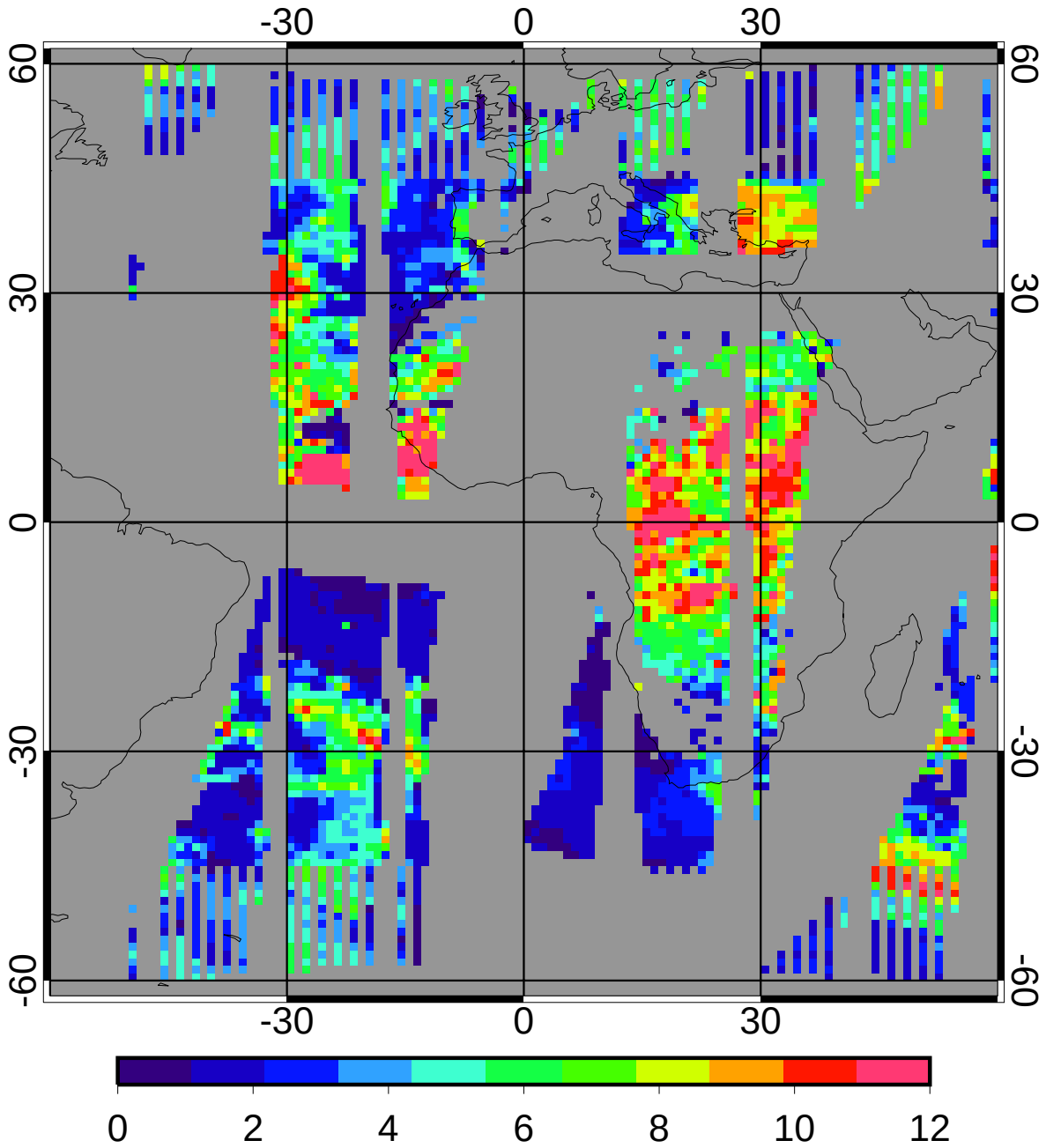
5ch_39cal Oct 2010




| | | |
|---|---|---|
| regave rms | 73.25 | 11.44% |
| domain rms | 98.10 | 15.32% |

GGEO MEAN Nighttime Cloud Eff Height (km)

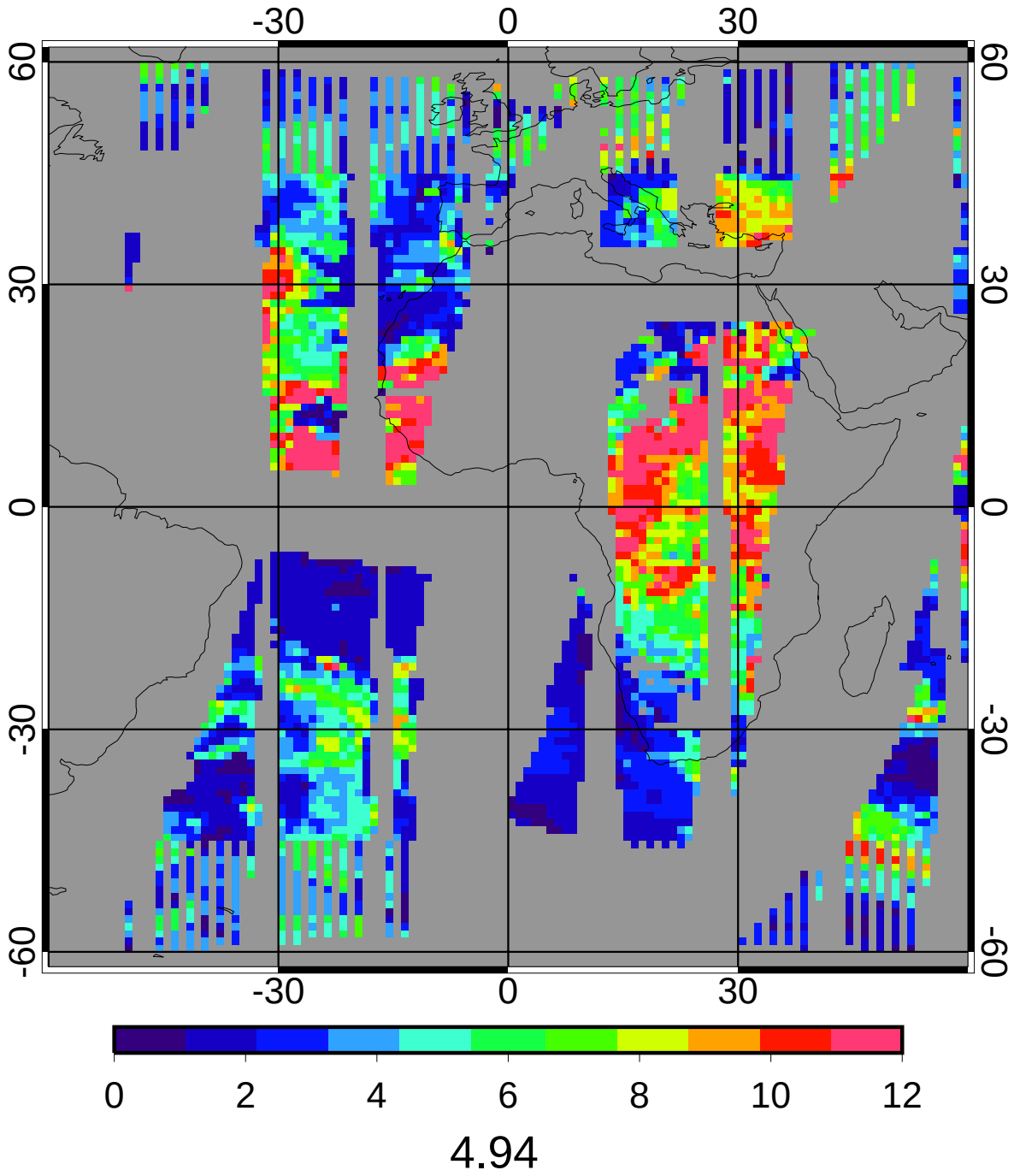
5ch_39cal Oct 2010




4.44

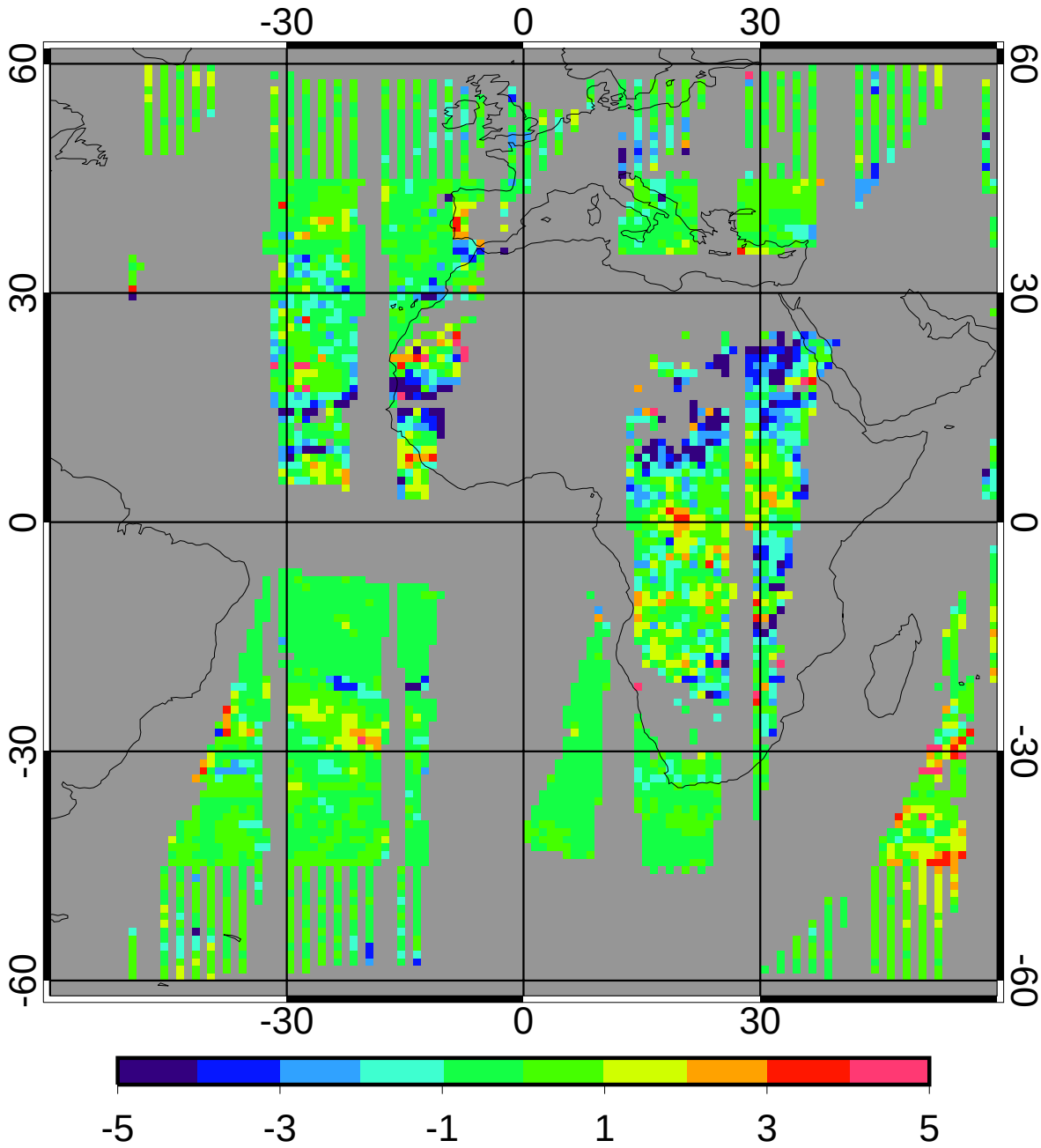
CERES/Aqua MEAN Nighttime Cloud Eff Height (km)

5ch_39cal Oct 2010



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

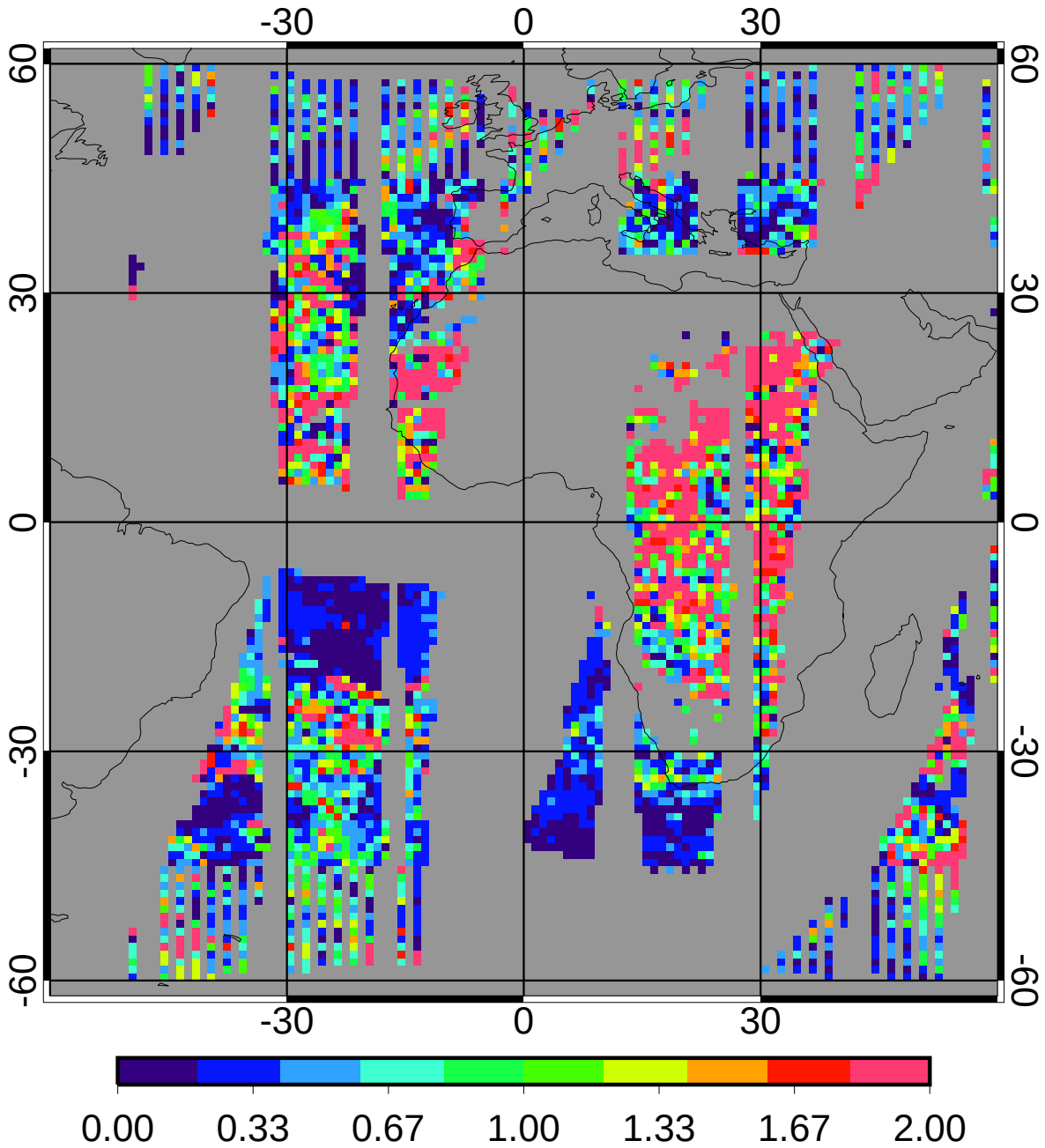
5ch_39cal Oct 2010




| | | |
|---|---|---|
| bias | -0.28 | -5.74% |
| domain sigma | 1.35 | 27.22% |

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

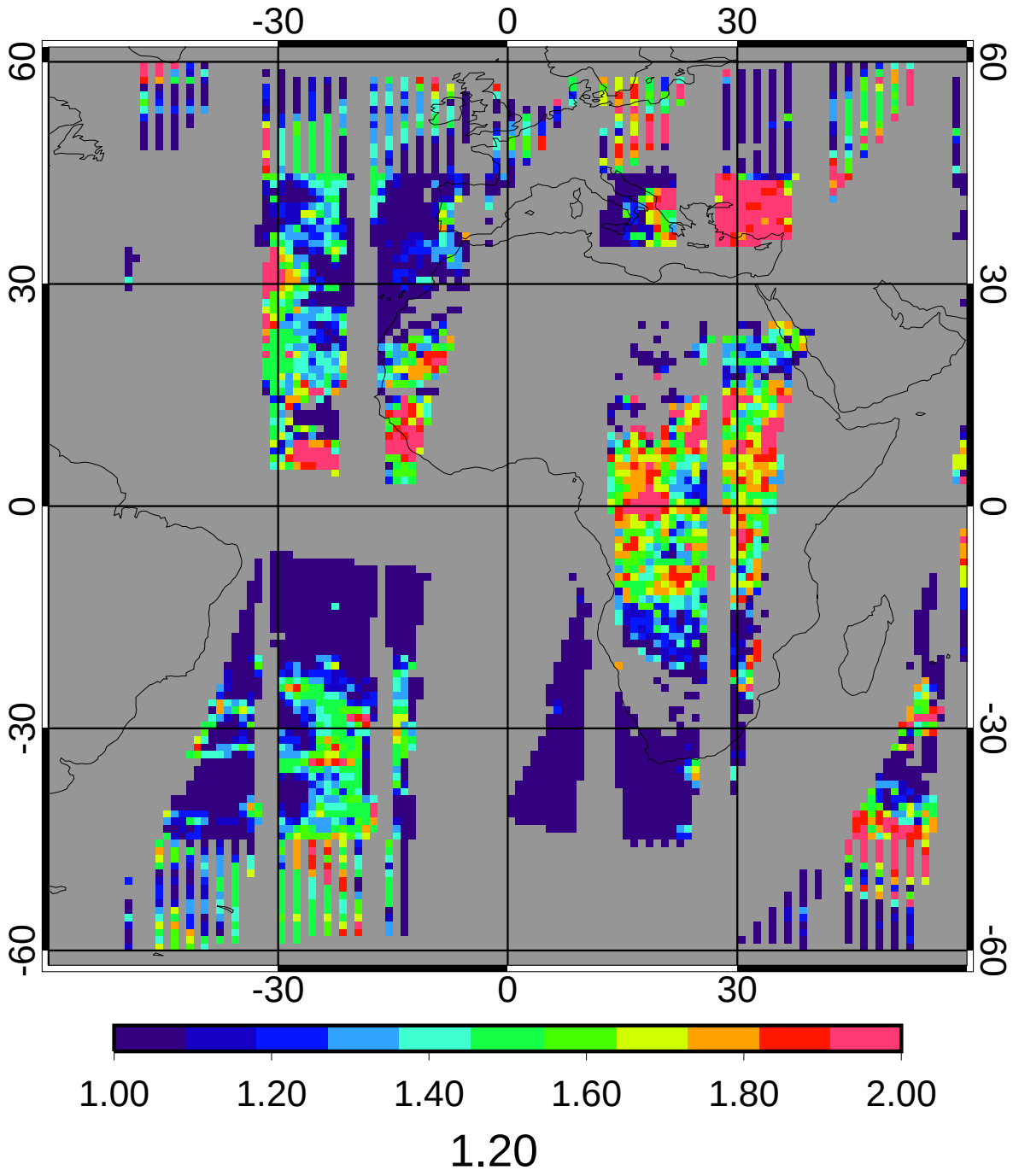
5ch_39cal Oct 2010




| | | |
|---|---|---|
| regave rms | 0.98 | 19.92% |
| domain rms | 1.48 | 29.99% |

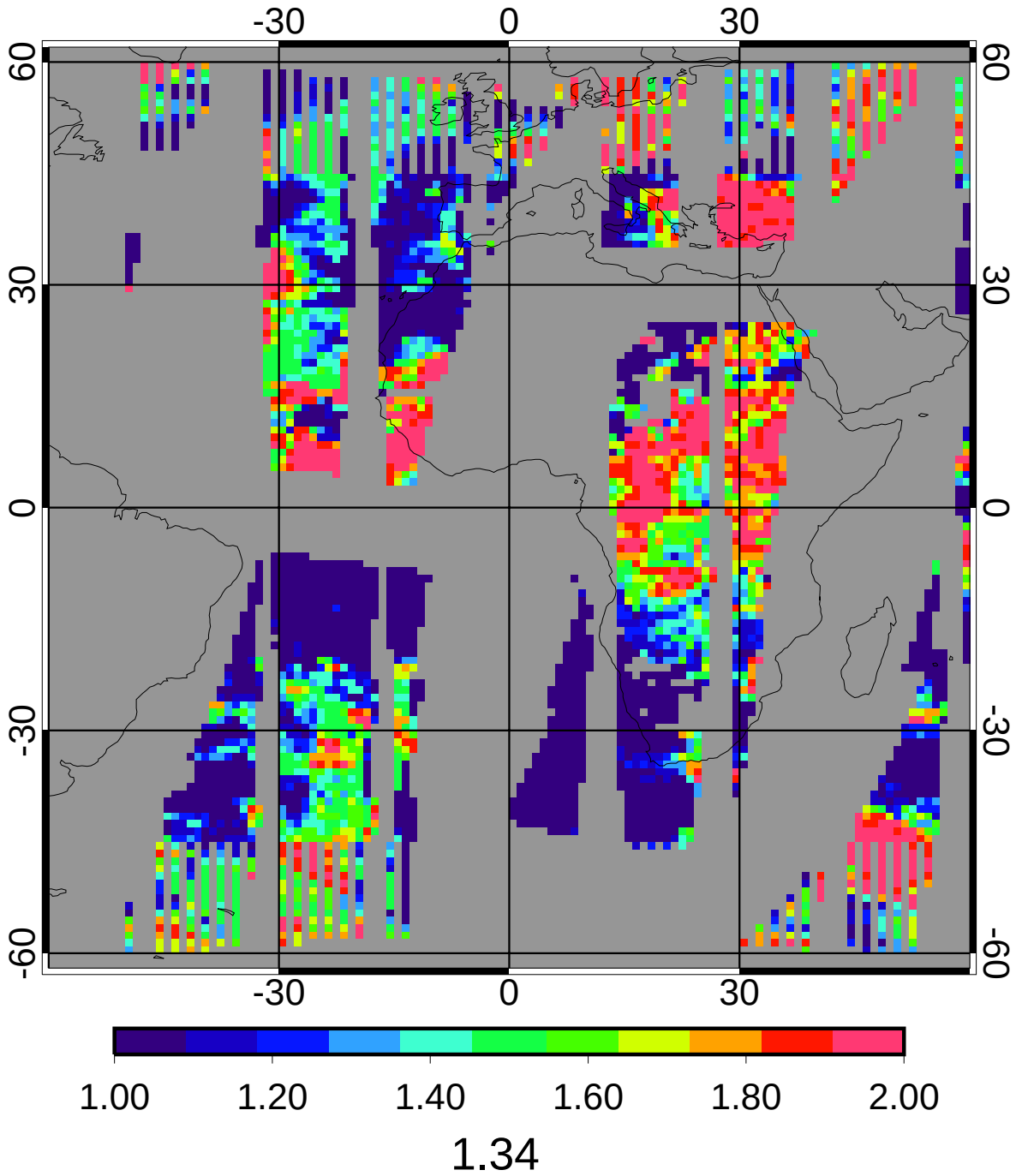
GGEO MEAN Nighttime Cloud Phase

5ch_39cal Oct 2010



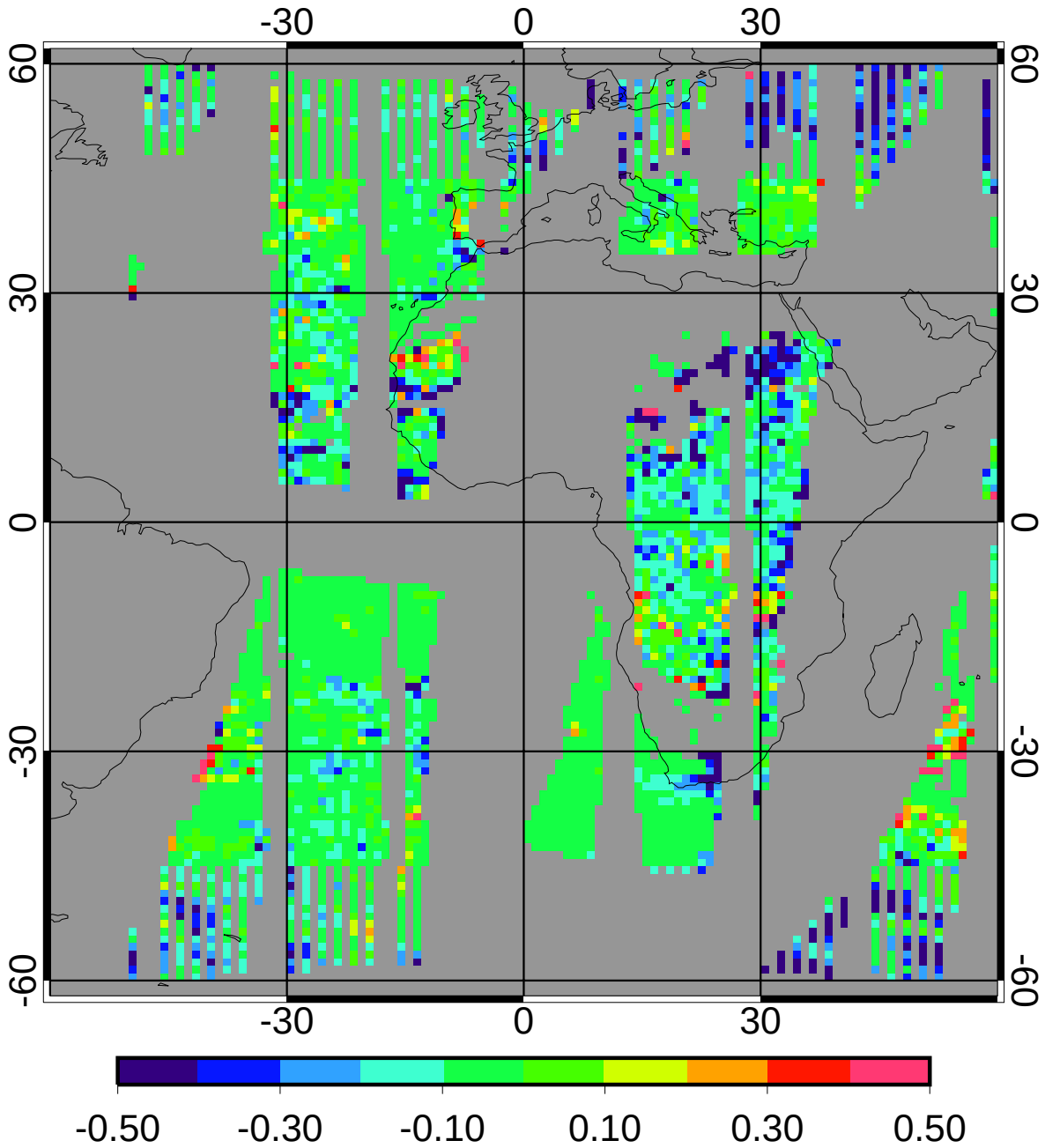
CERES/Aqua MEAN Nighttime Cloud Phase

5ch_39cal Oct 2010



GGEO - CERES/Aqua Nighttime Cloud Phase Bias

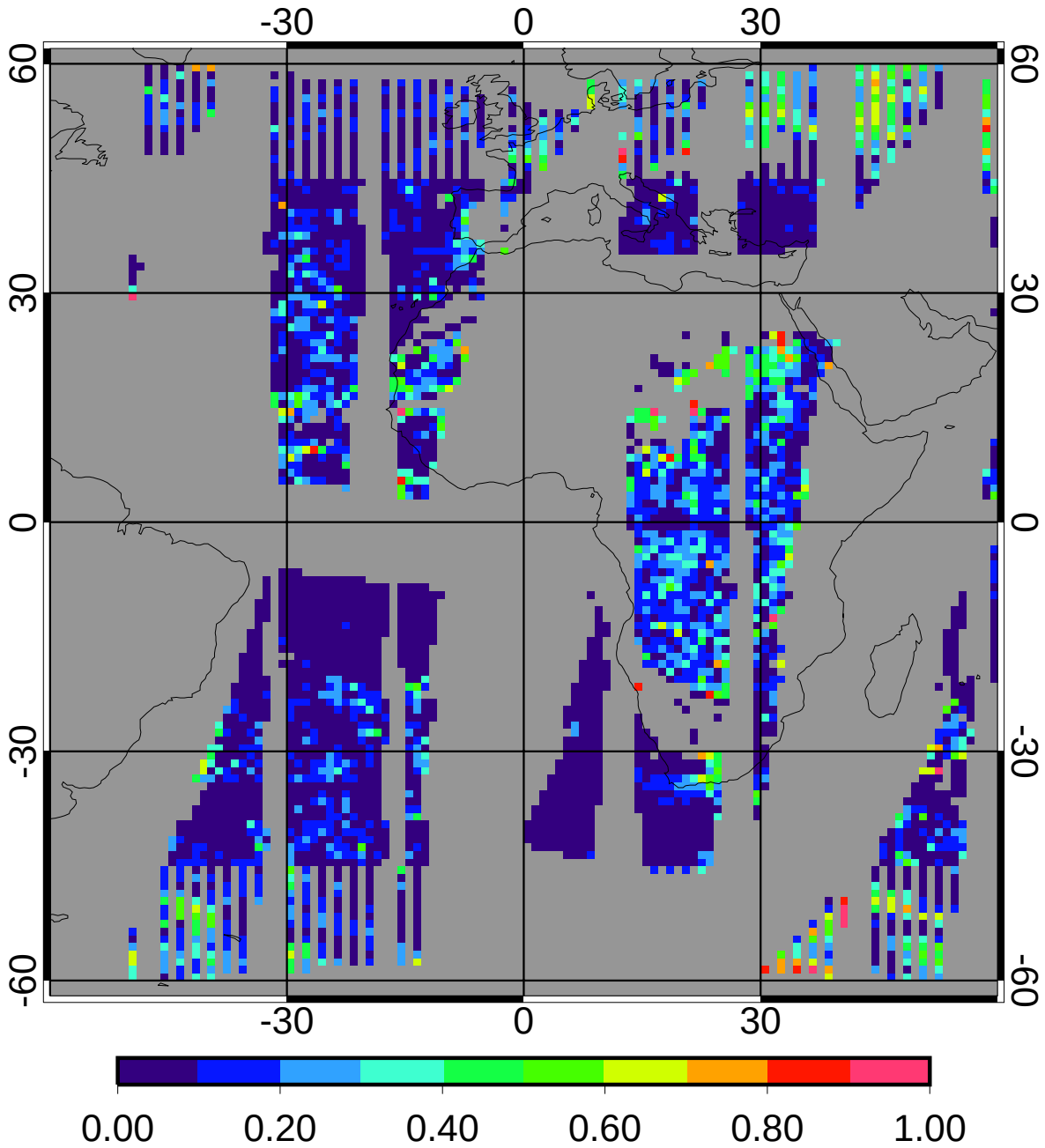
5ch_39cal Oct 2010




| | | |
|---|---|---|
| bias | -0.07 | -5.15% |
| domain sigma | 0.15 | 10.98% |

GGEO - CERES/Aqua Nighttime Cloud Phase RMS

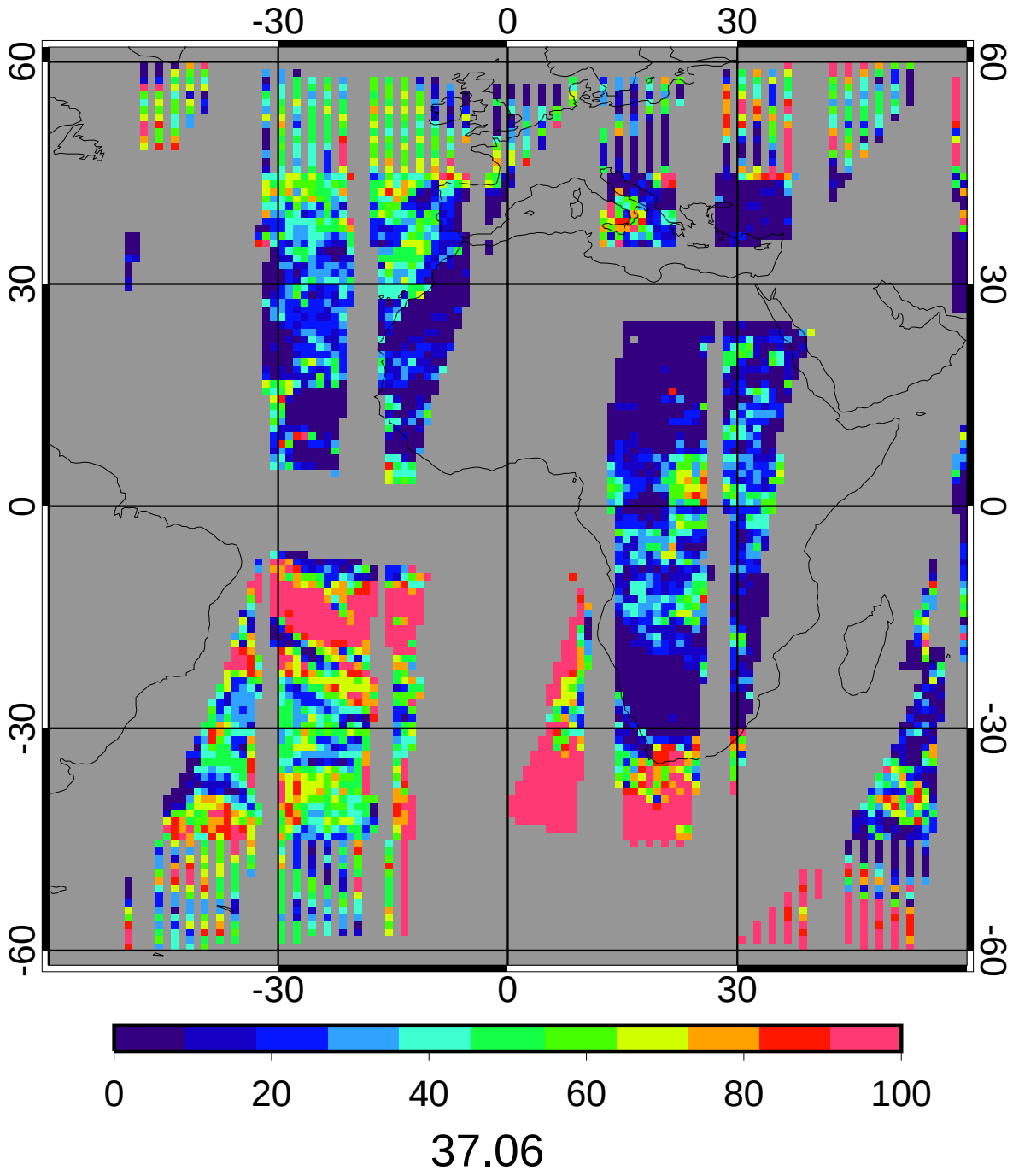
5ch_39cal Oct 2010




| | | |
|---|---|---|
| regave rms | 0.12 | 8.67% |
| domain rms | 0.18 | 13.65% |

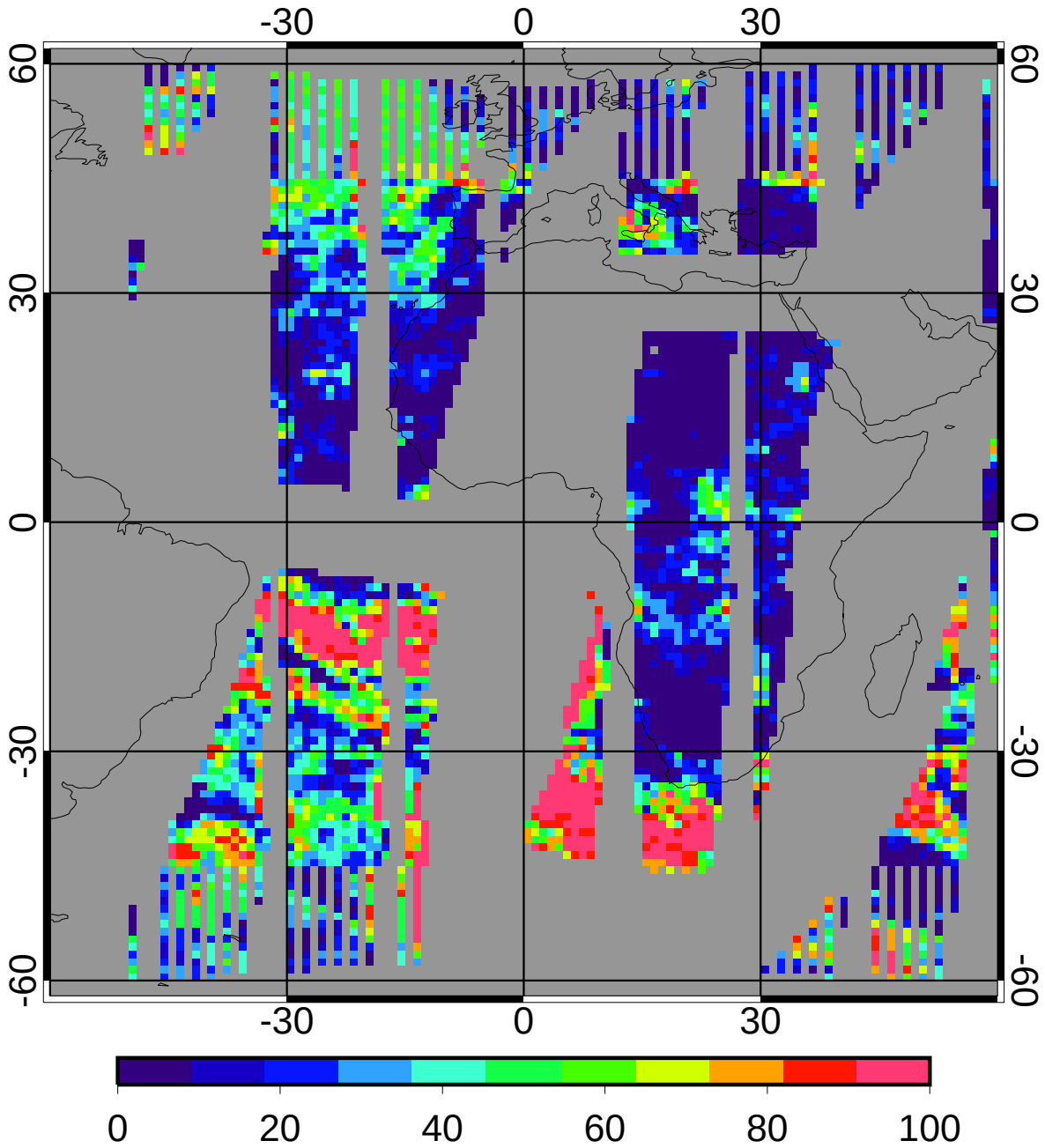
GGEO MEAN Nighttime Liquid Cld Amt (%)

5ch_39cal Oct 2010



CERES/Aqua MEAN Nighttime Liquid Cld Amt (%)

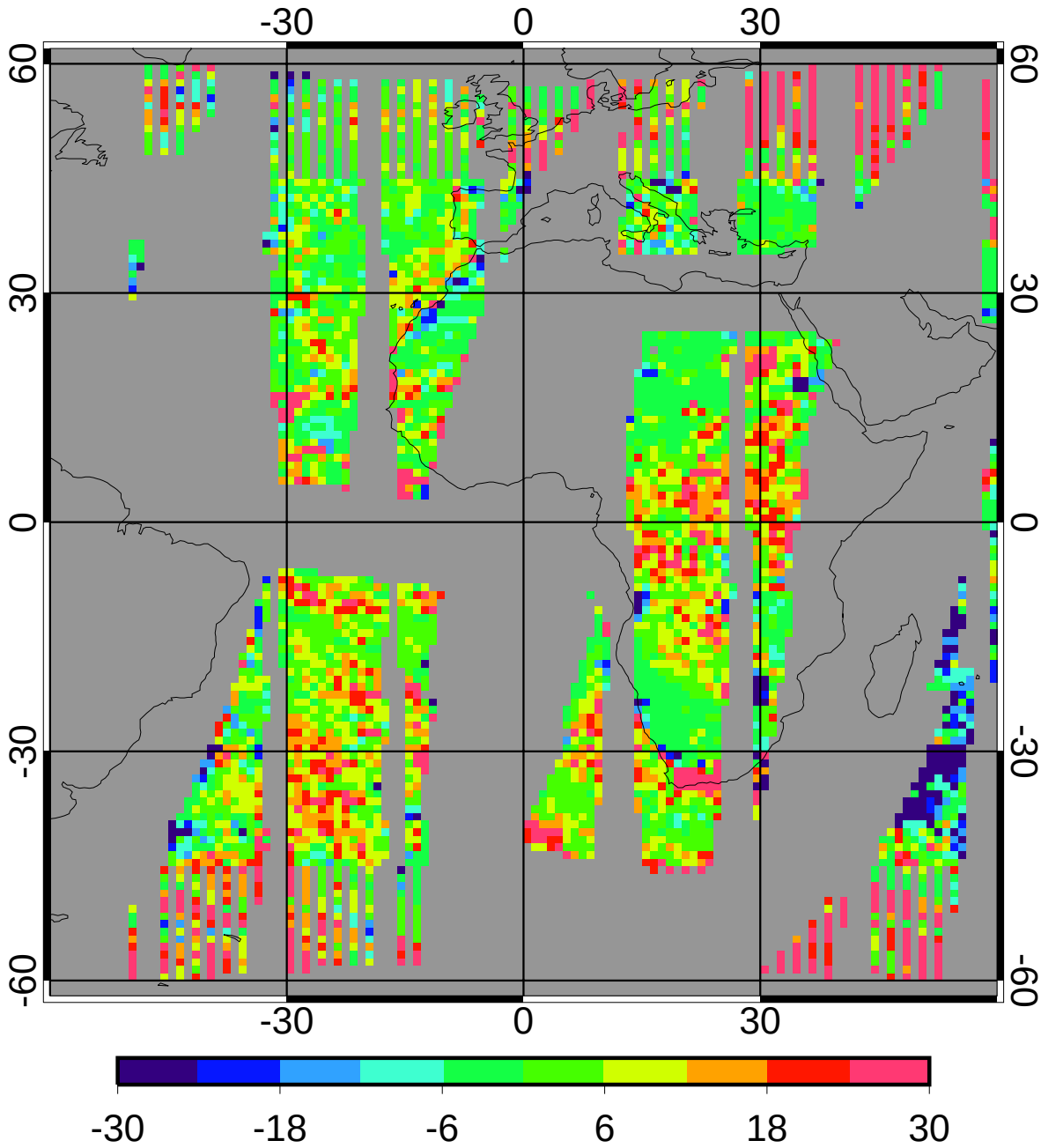
5ch_39cal Oct 2010




30.81

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

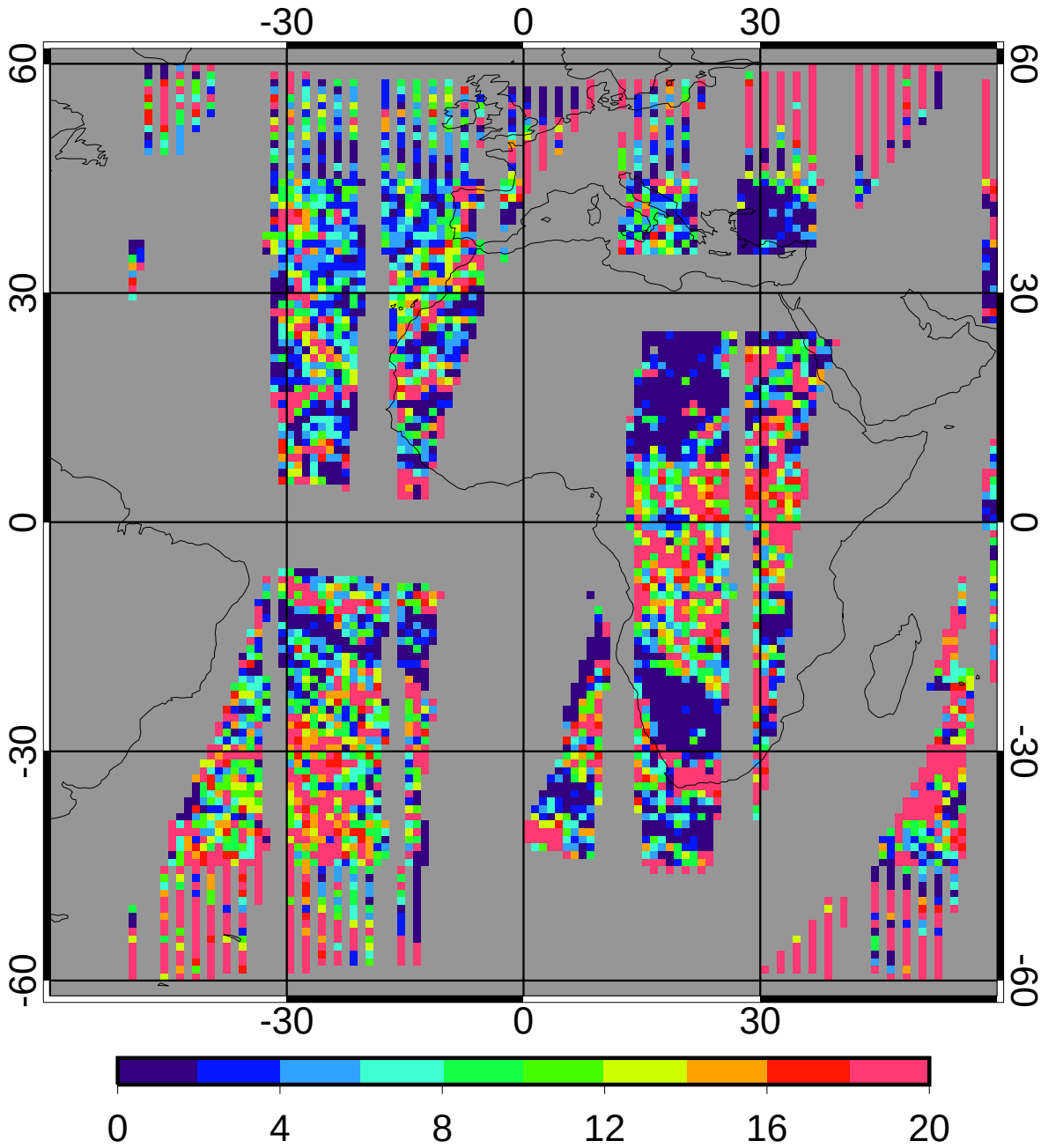
5ch_39cal Oct 2010




| | | |
|---|---|---|
| bias | 6.25 | 20.28% |
| domain sigma | 13.62 | 44.22% |

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

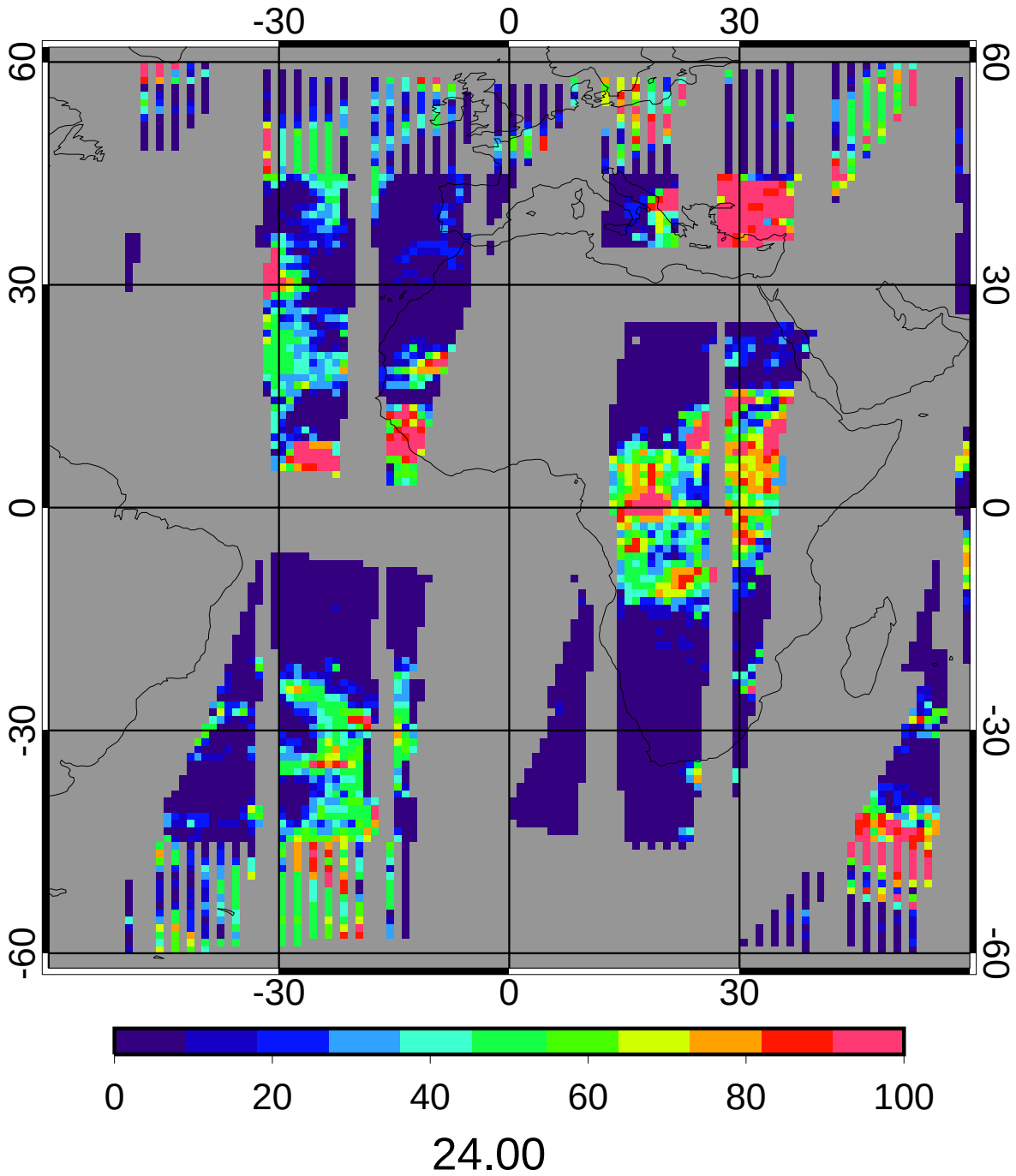
5ch_39cal Oct 2010




| | | |
|---|---|---|
| regave rms | 12.87 | 41.77% |
| domain rms | 17.48 | 56.73% |

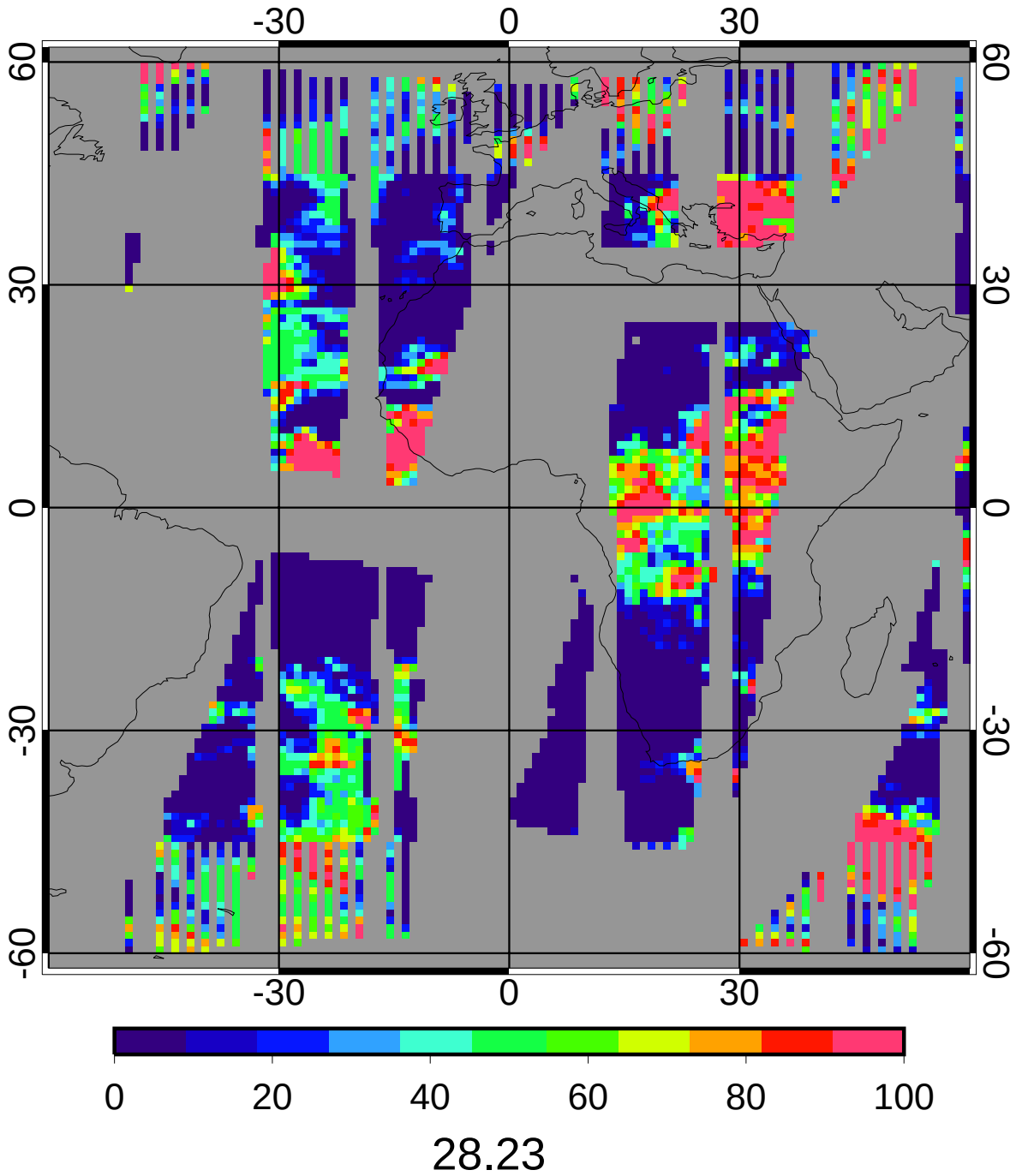
GGEO MEAN Nighttime Ice Cld Amt (%)

5ch_39cal Oct 2010



CERES/Aqua MEAN Nighttime Ice Cld Amt (%)

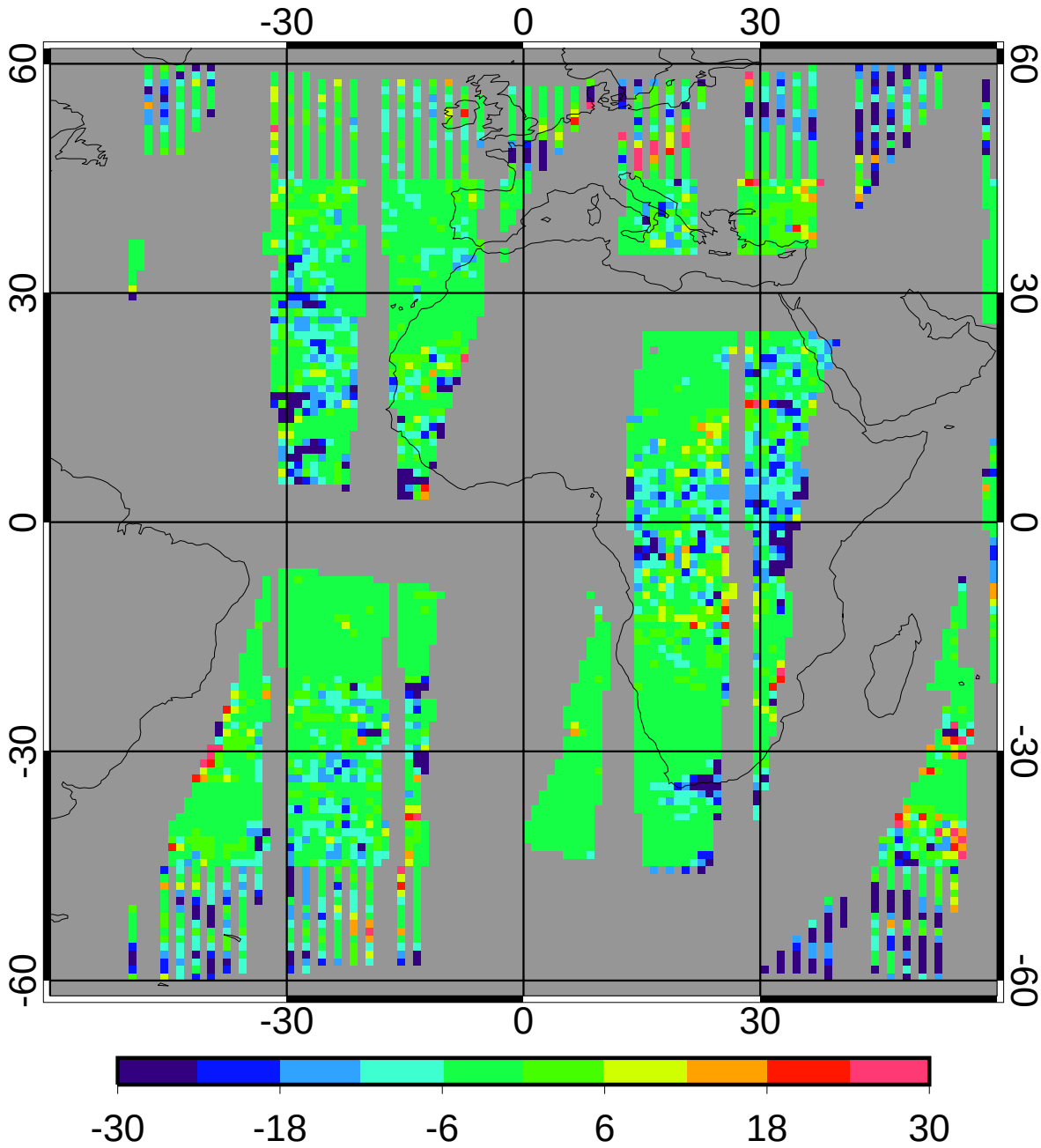
5ch_39cal Oct 2010




28.23

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

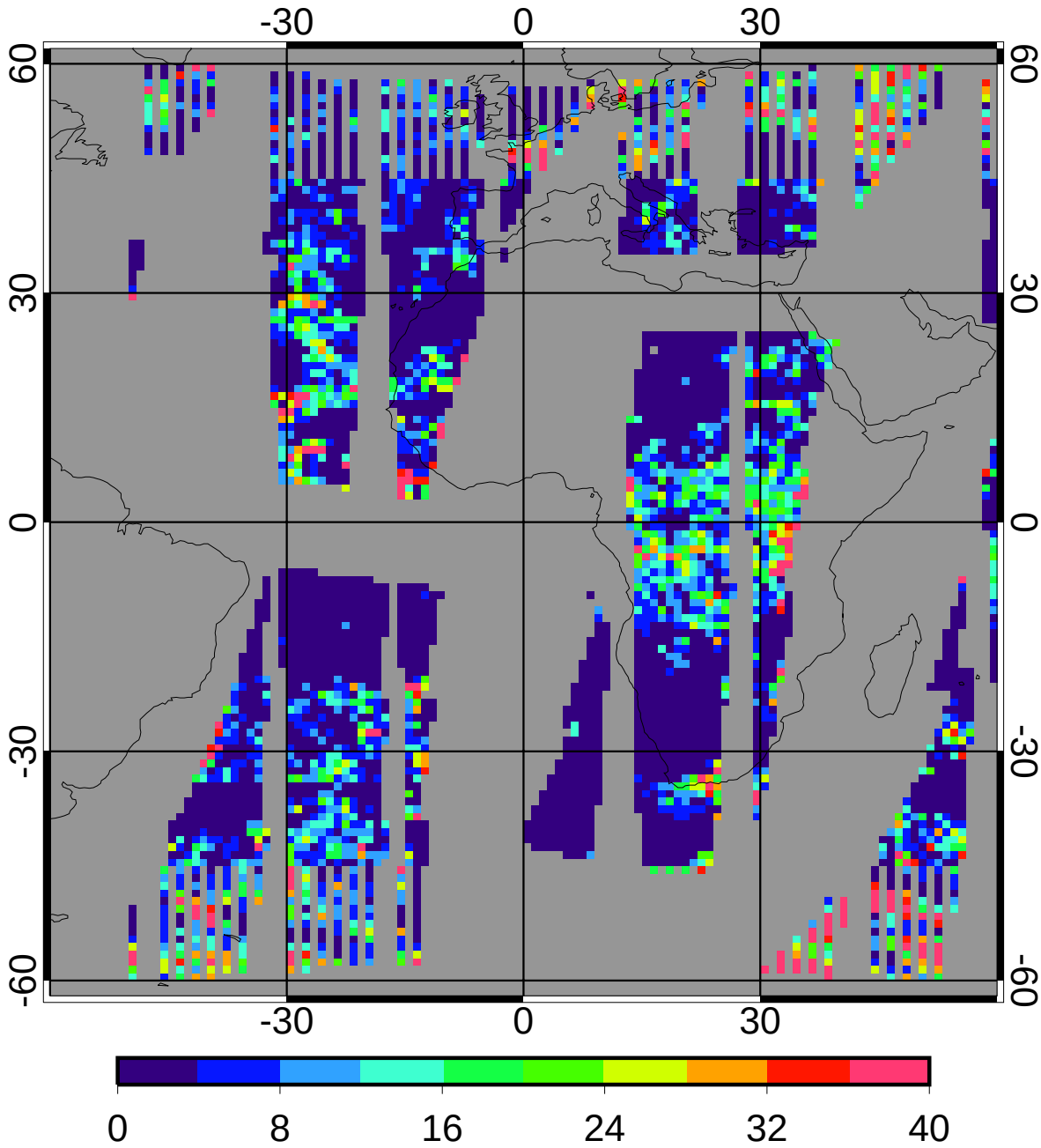
5ch_39cal Oct 2010




| | | |
|---|---|---|
| bias | -4.24 | -15.00% |
| domain sigma | 9.20 | 32.58% |

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

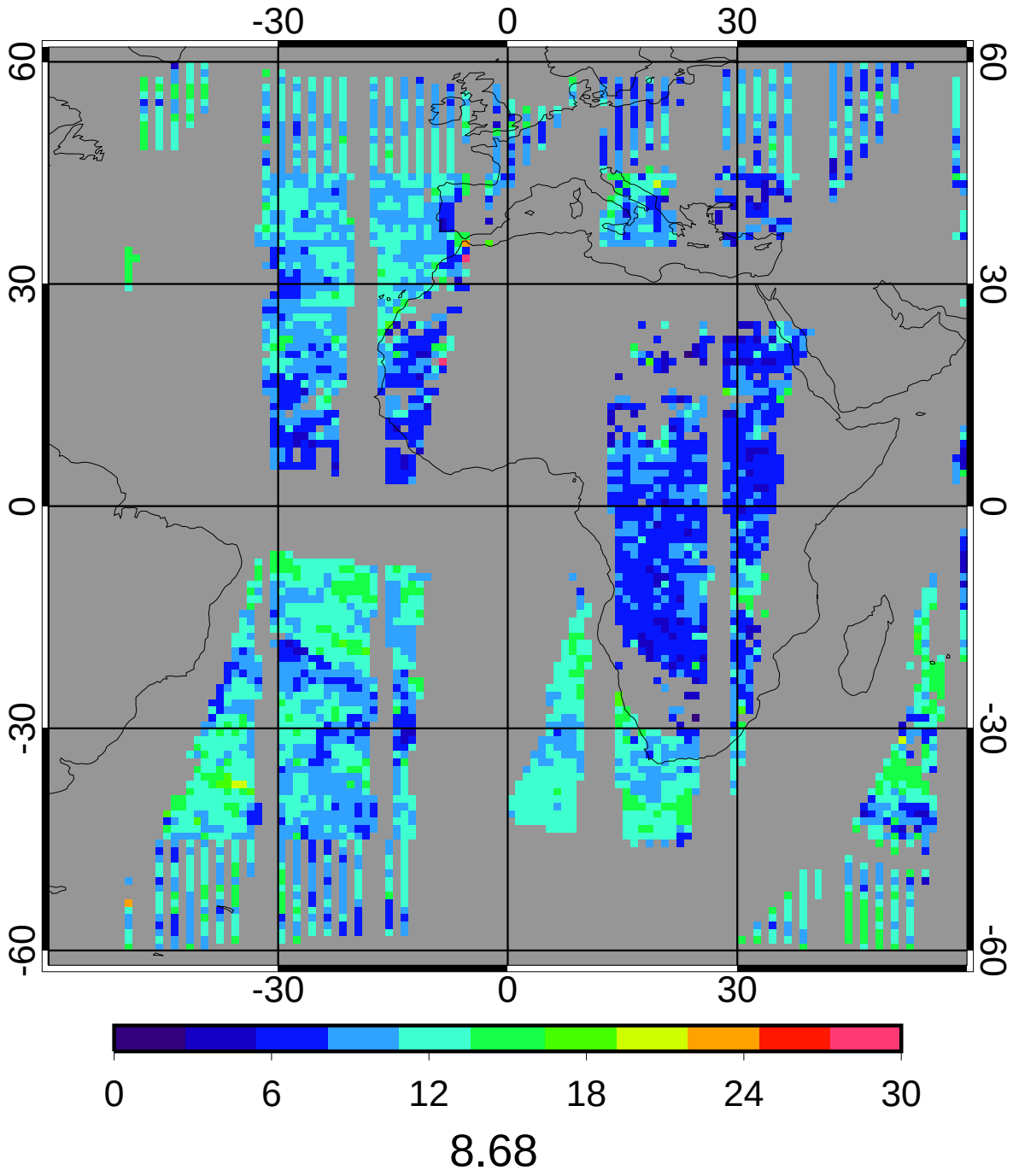
5ch_39cal Oct 2010




| | | |
|---|---|---|
| regave rms | 7.24 | 25.64% |
| domain rms | 11.85 | 41.96% |

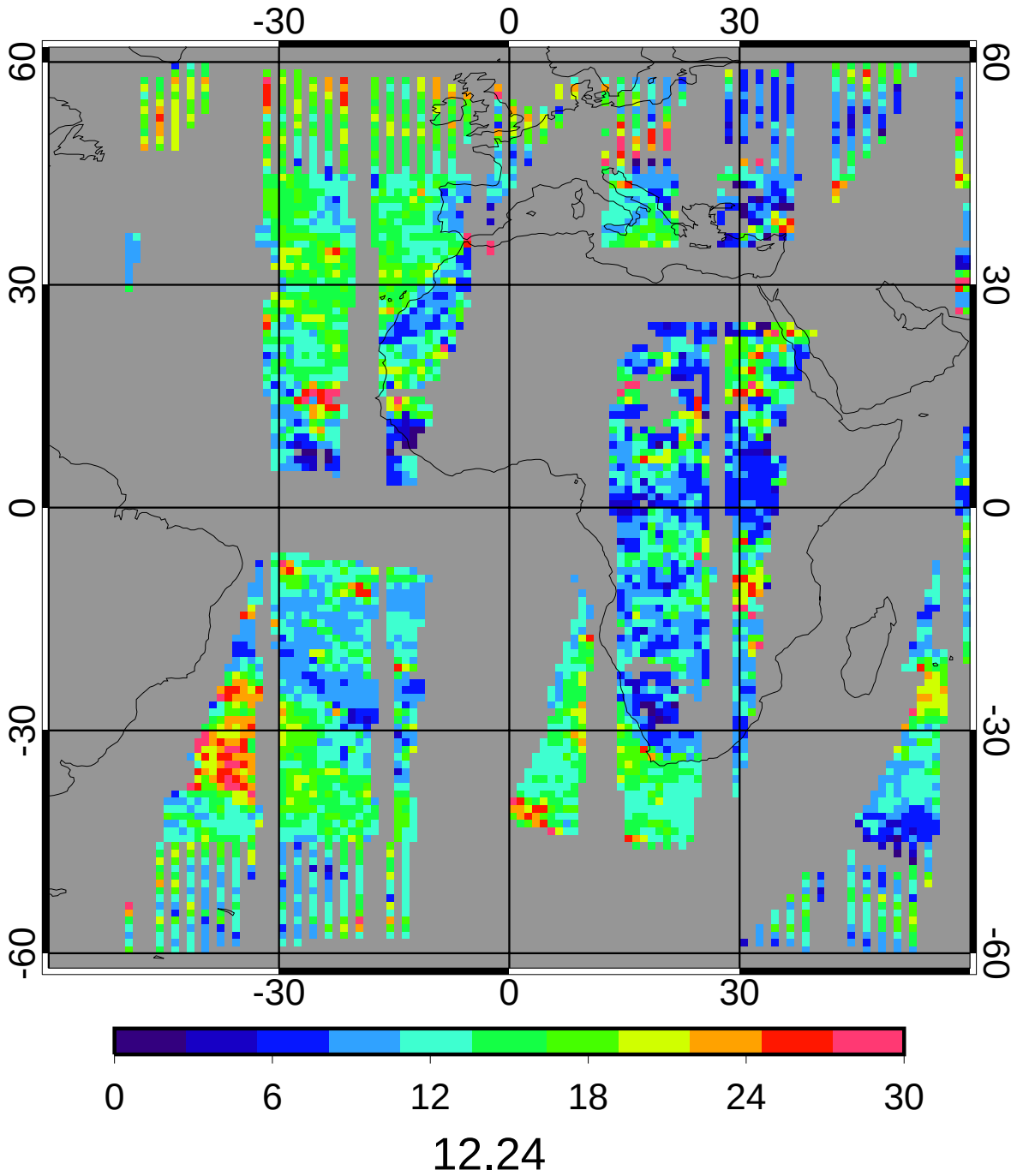
GGEO MEAN Nighttime Liquid Particle Size (microns)

5ch_39cal Oct 2010



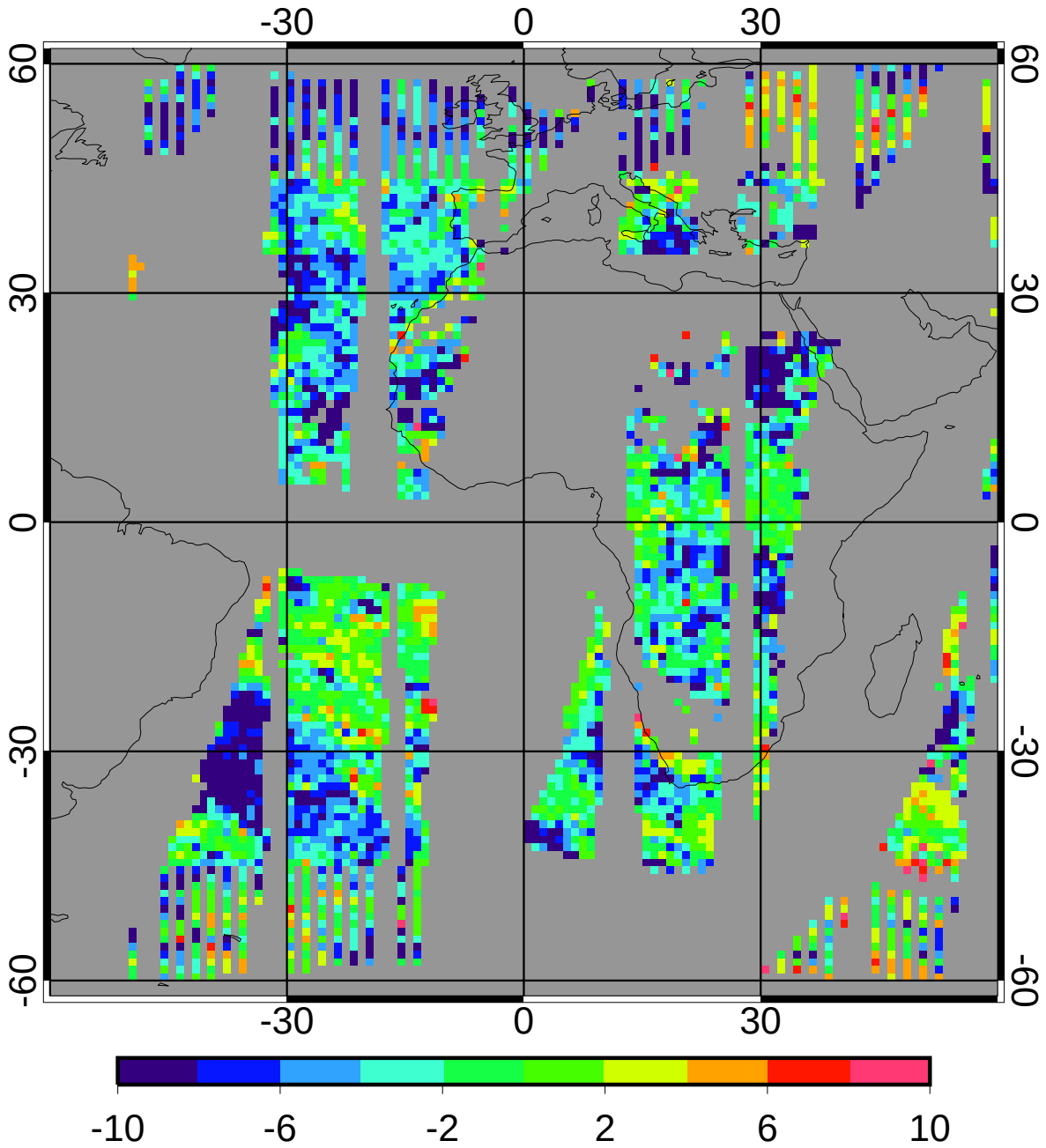
CERES/Aqua MEAN Nighttime Liquid Particle Size (microns)

5ch_39cal Oct 2010



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

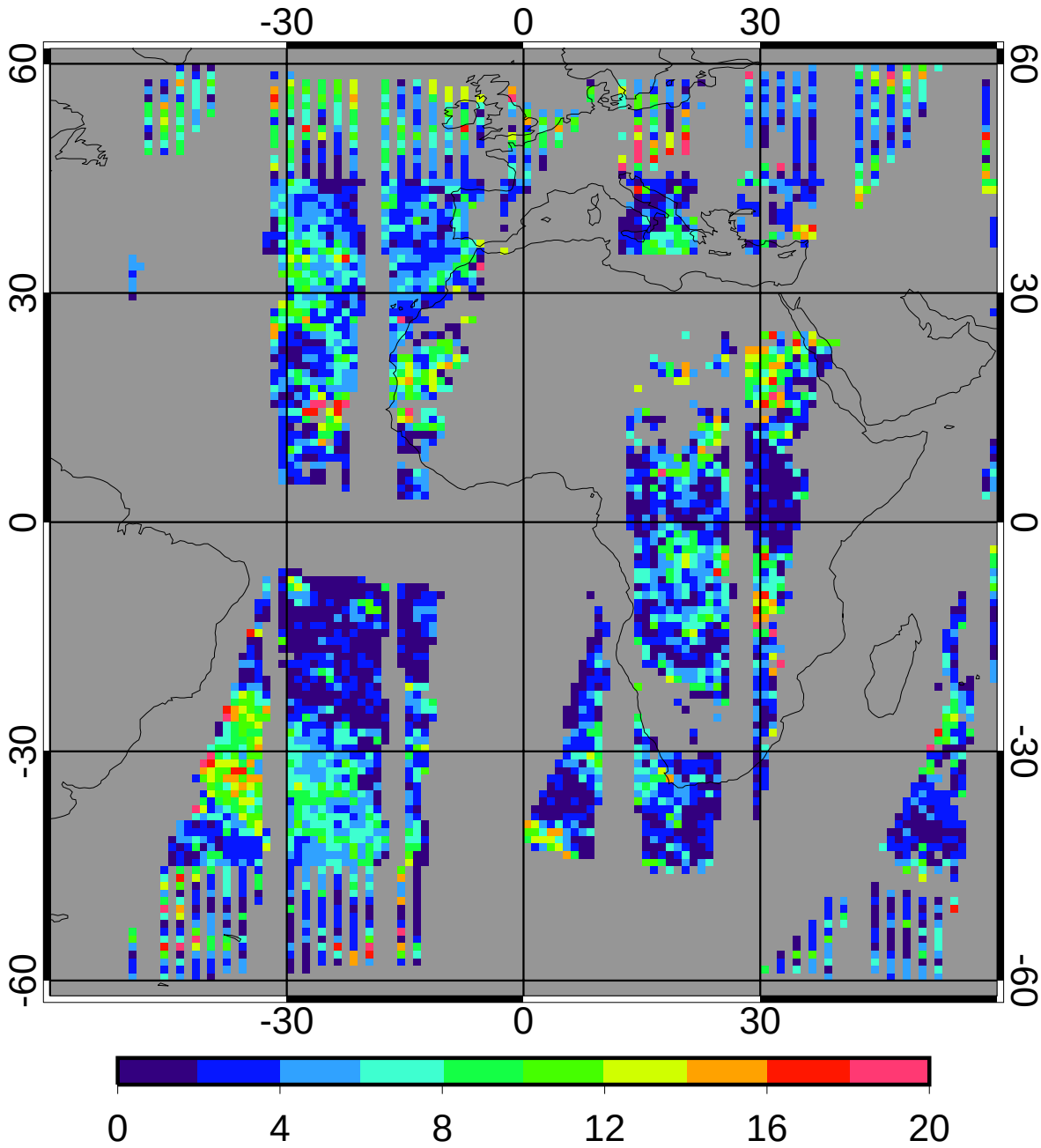
5ch_39cal Oct 2010




| | | |
|---|---|---|
| bias | -2.81 | -22.95% |
| domain sigma | 4.02 | 32.80% |

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

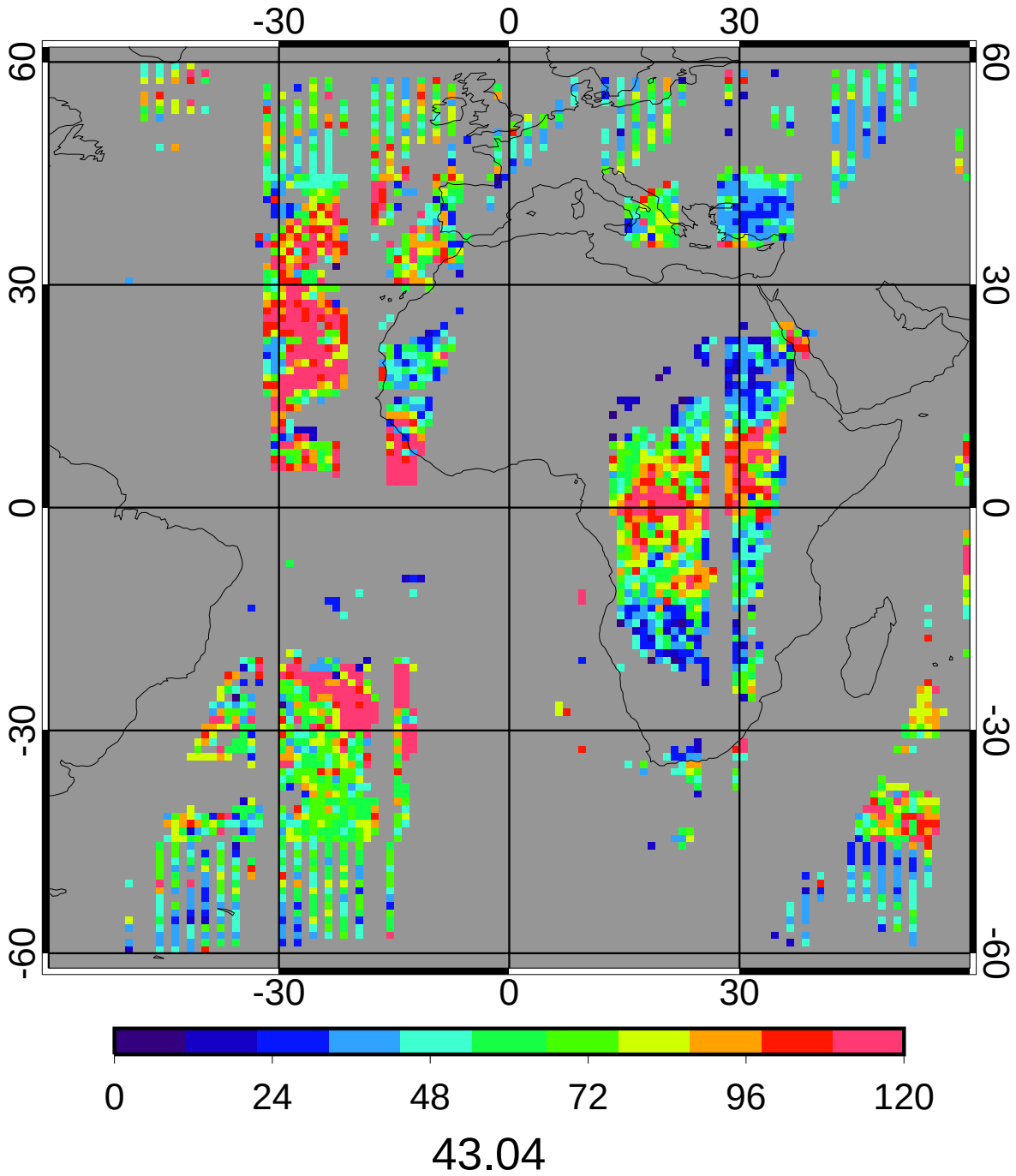
5ch_39cal Oct 2010




| | | |
|---|---|---|
| regave rms | 4.22 | 34.50% |
| domain rms | 5.76 | 47.05% |

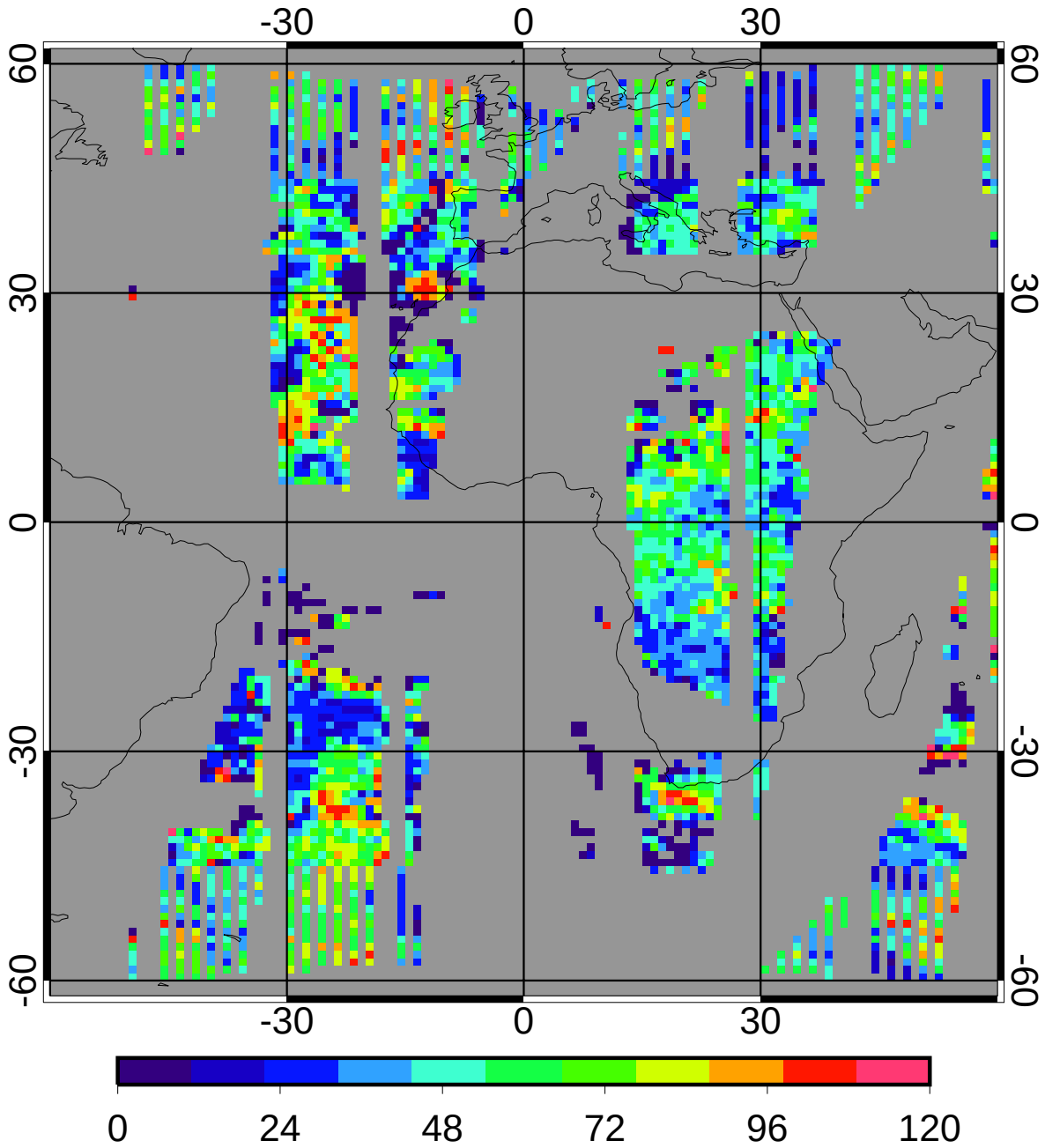
GGEO MEAN Nighttime Ice Particle Size (microns)

5ch_39cal Oct 2010



CERES/Aqua MEAN Nighttime Ice Particle Size (microns)

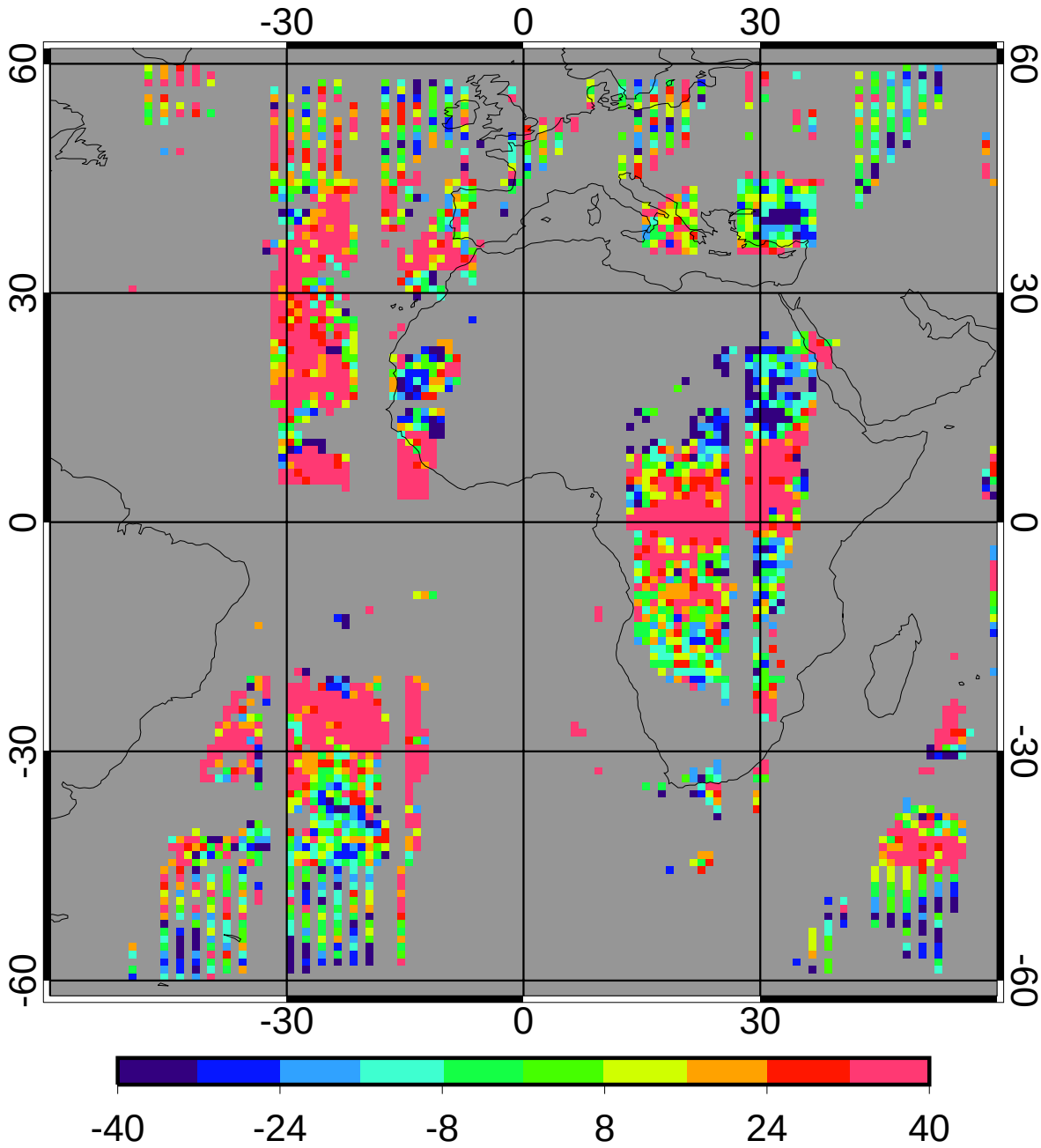
5ch_39cal Oct 2010




36.91

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

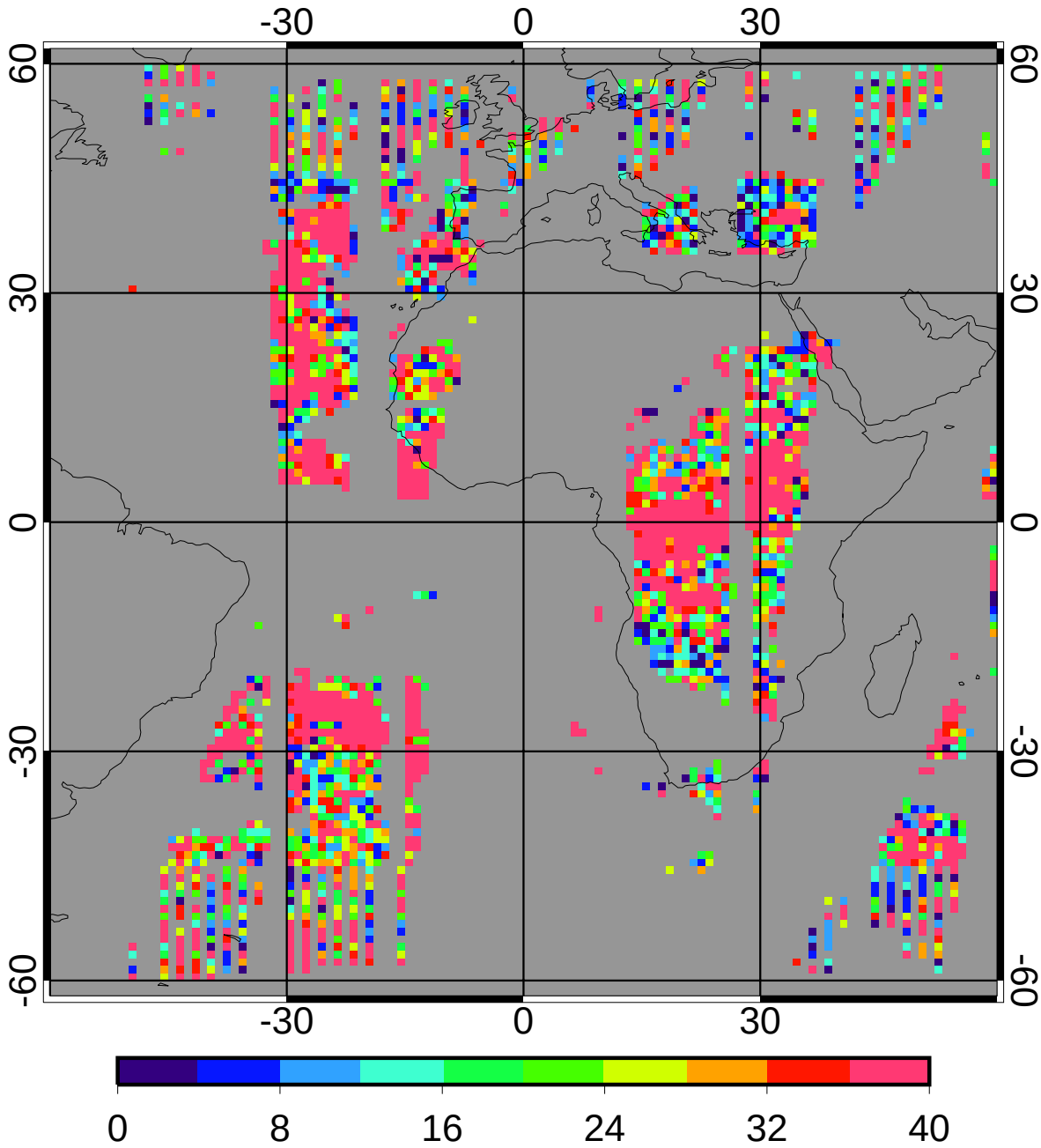
5ch_39cal Oct 2010




| | | |
|---|---|---|
| bias | 11.13 | 30.16% |
| domain sigma | 32.38 | 87.72% |

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

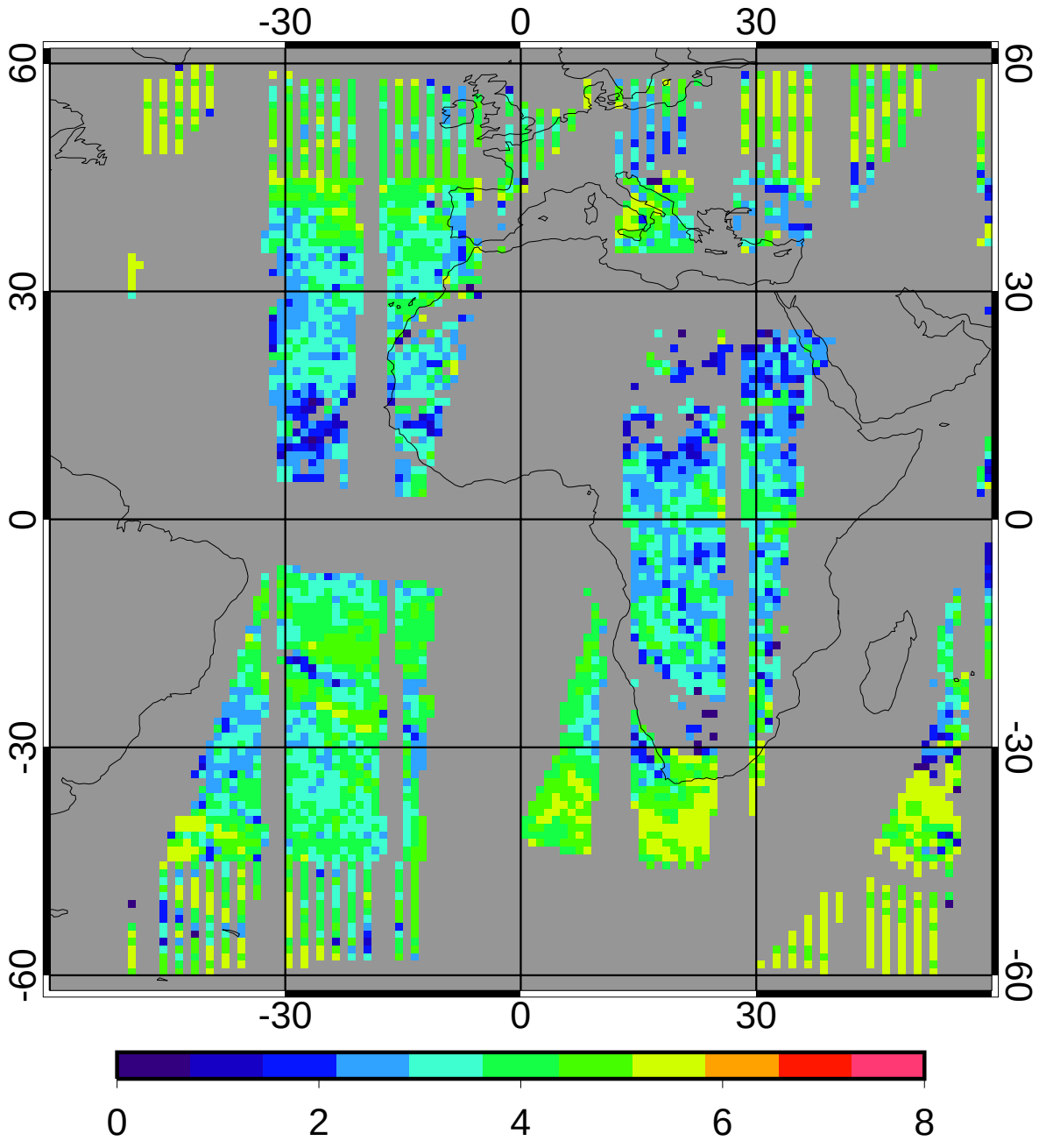
5ch_39cal Oct 2010




| | | |
|---|---|---|
| regave rms | 21.61 | 58.54% |
| domain rms | 40.24 | 109.03% |

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

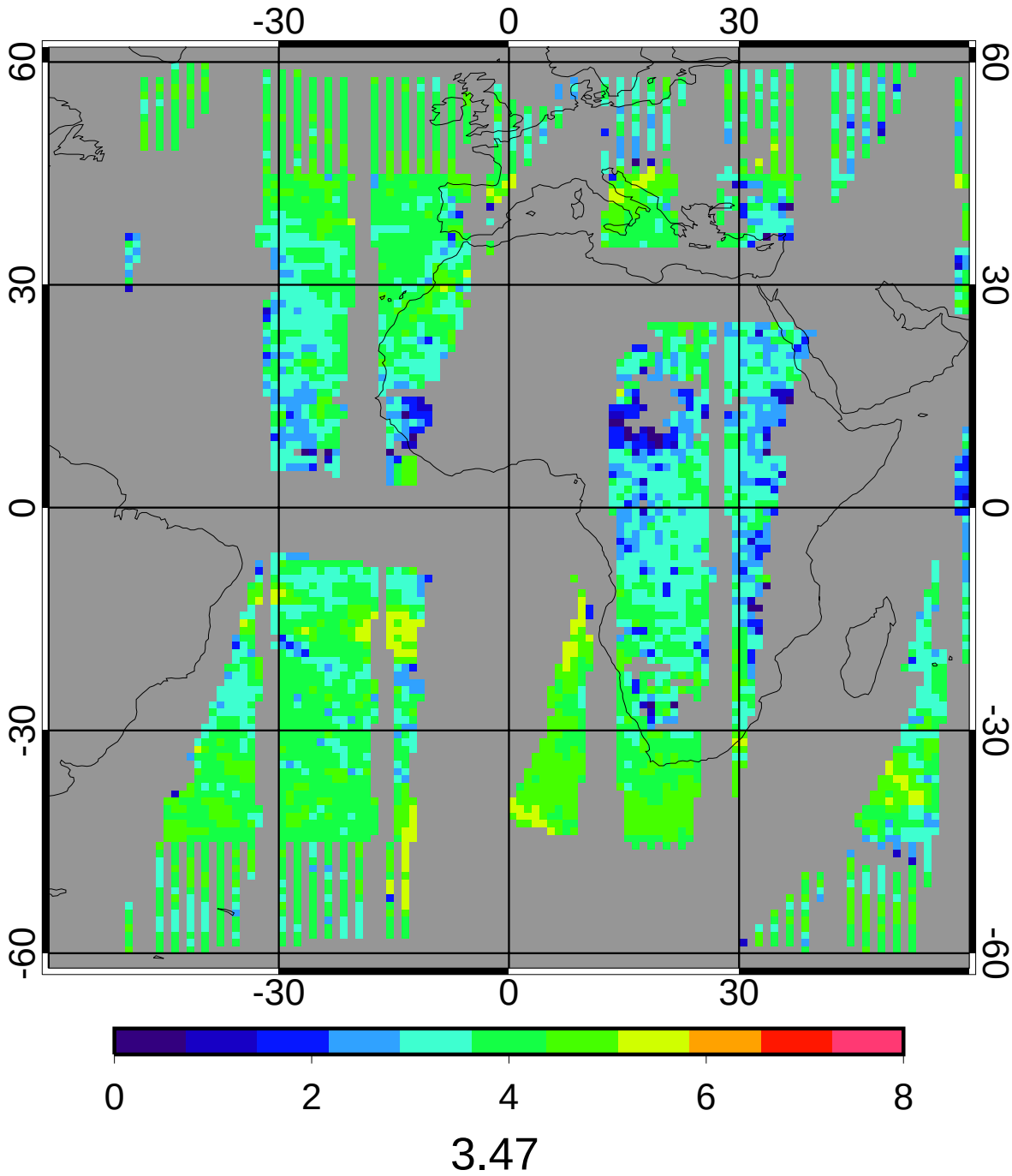
5ch_39cal Oct 2010




3.13

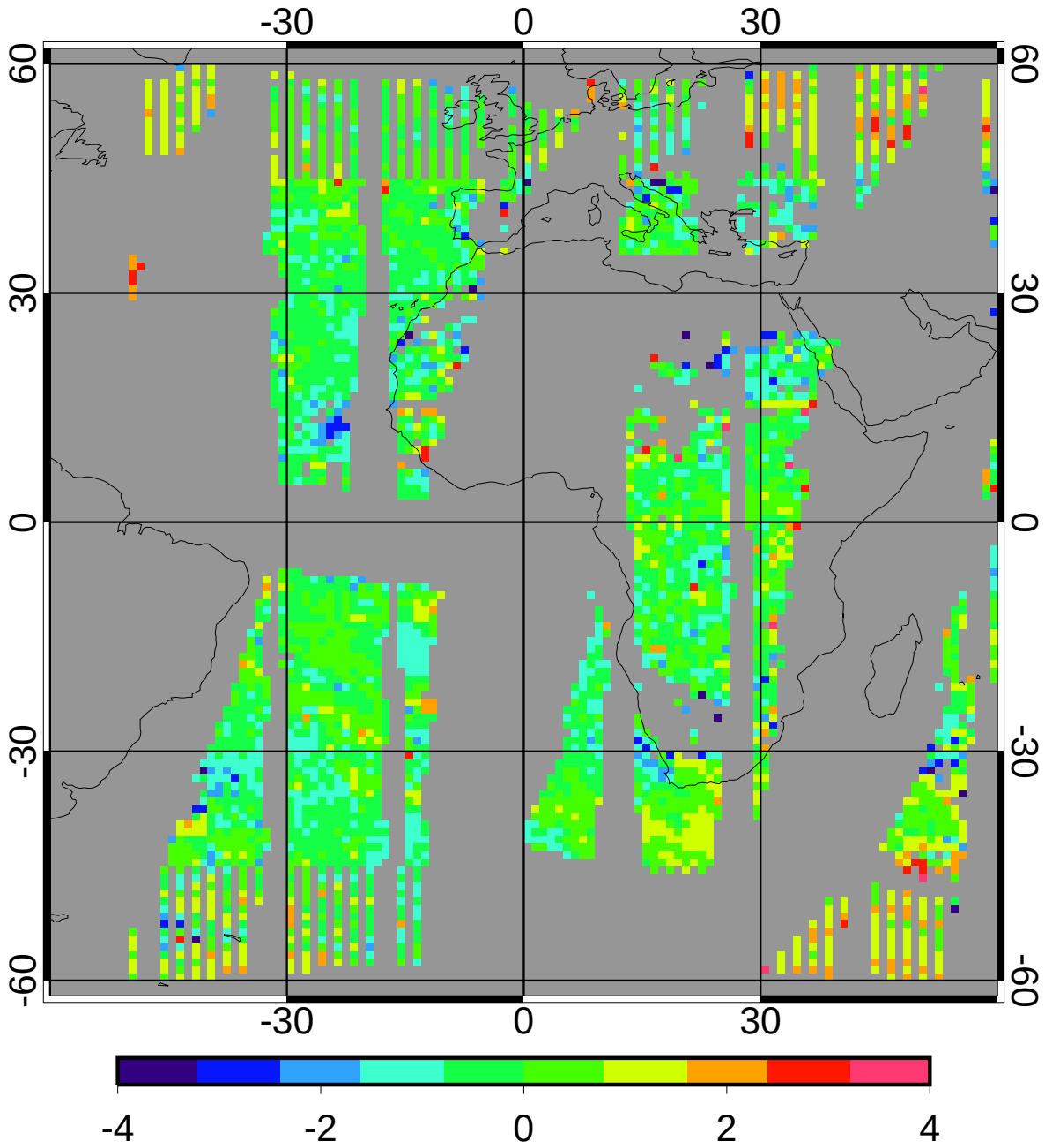
CERES/Aqua MEAN Nighttime Log Liquid Water Path (g/m2)

5ch_39cal Oct 2010



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

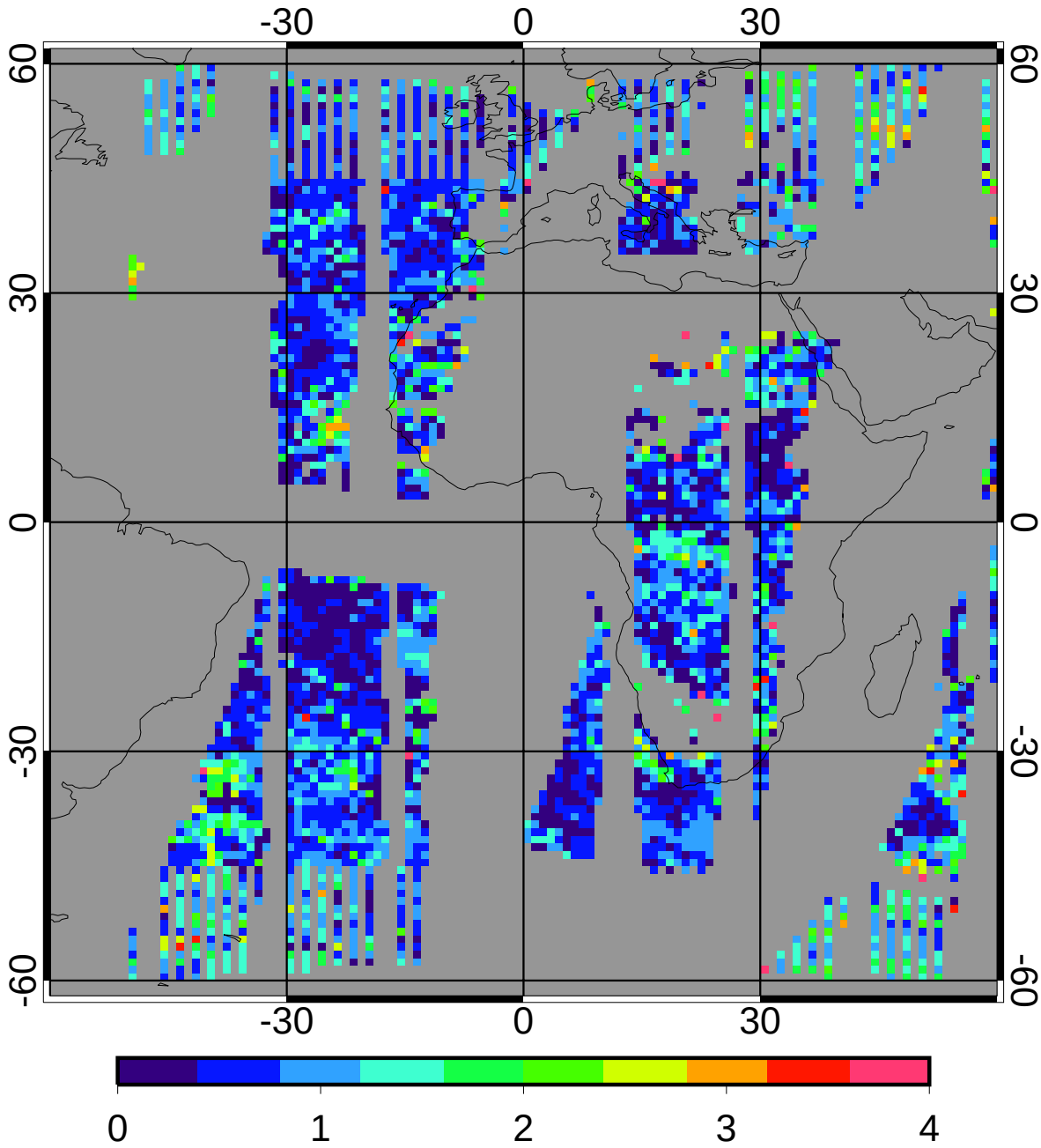
5ch_39cal Oct 2010




| | | |
|---|---|---|
| bias | -0.10 | -3.00% |
| domain sigma | 0.79 | 22.79% |

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

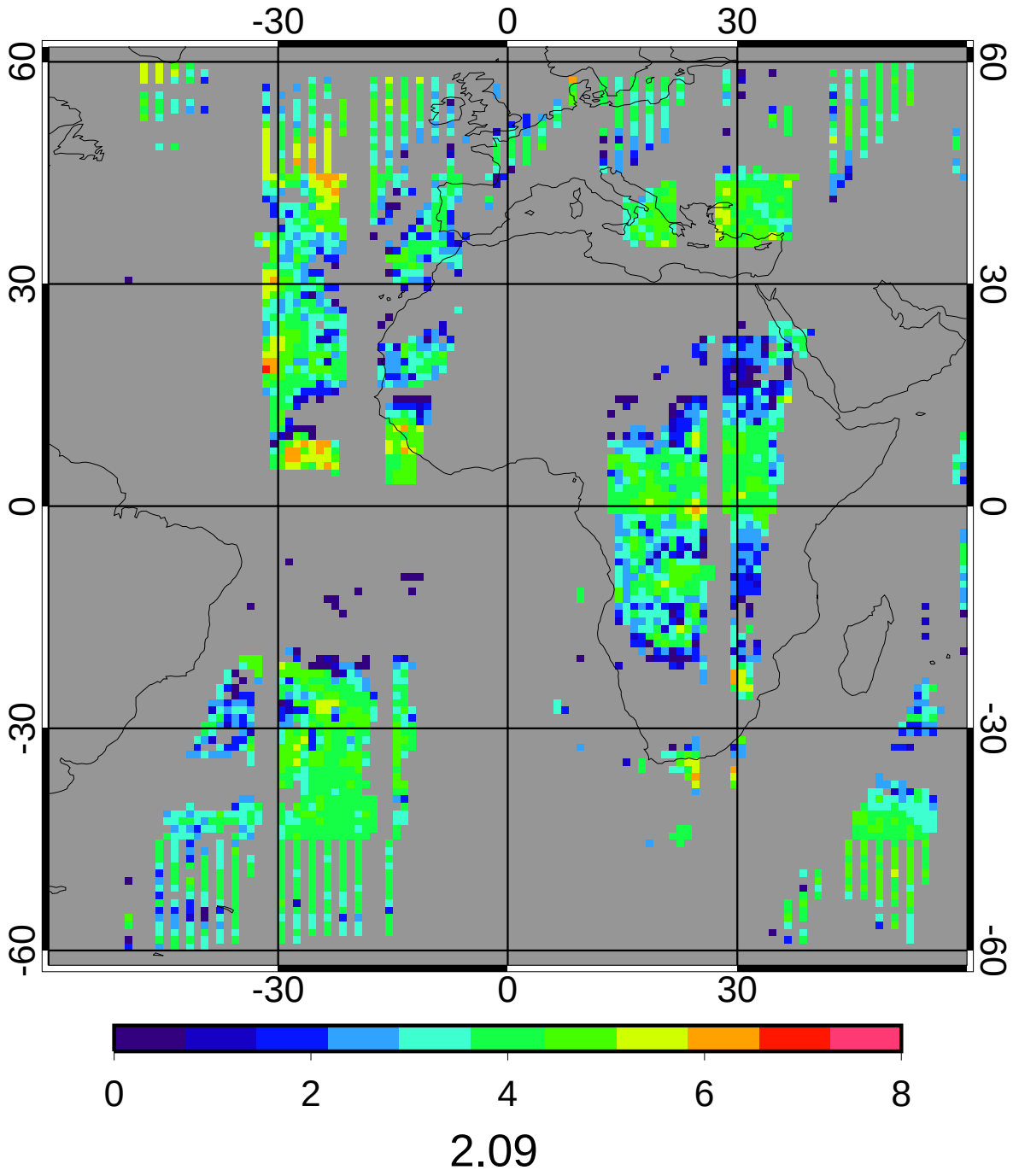
5ch_39cal Oct 2010




| | | |
|---|---|---|
| regave rms | 0.72 | 20.68% |
| domain rms | 0.95 | 27.41% |

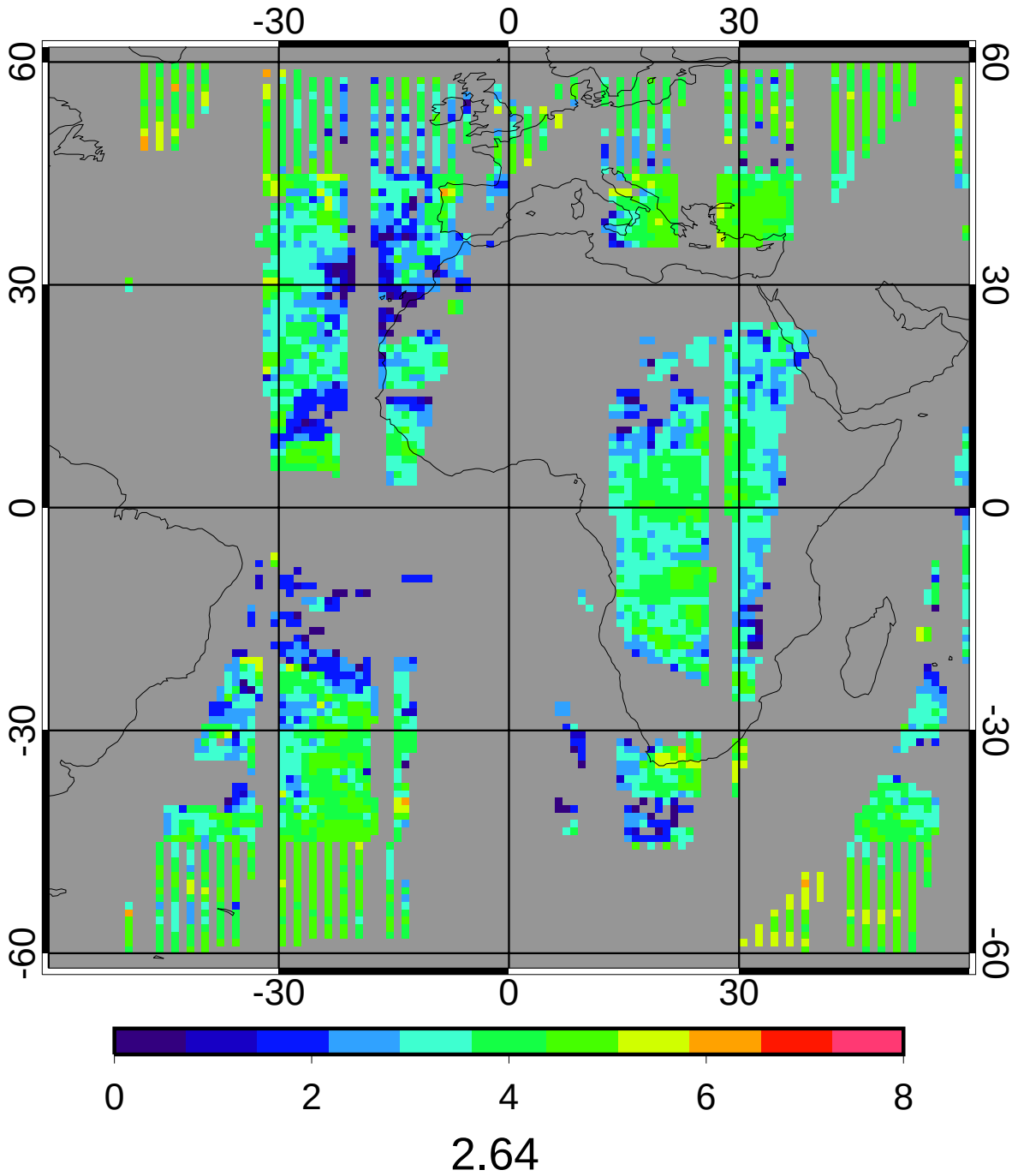
GGEO MEAN Nighttime Log Ice Water Path (g/m2)

5ch_39cal Oct 2010



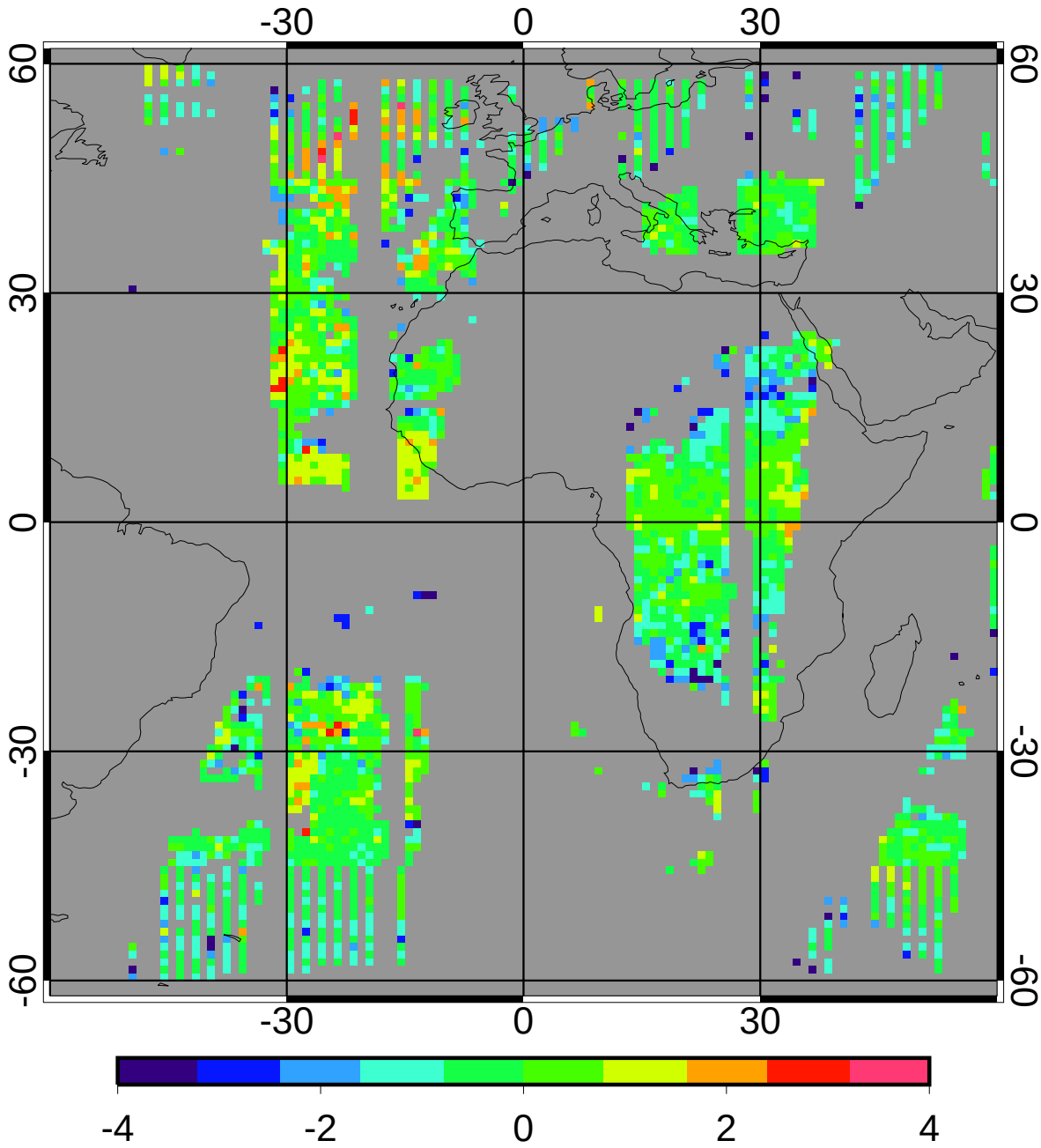
CERES/Aqua MEAN Nighttime Log Ice Water Path (g/m2)

5ch_39cal Oct 2010



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

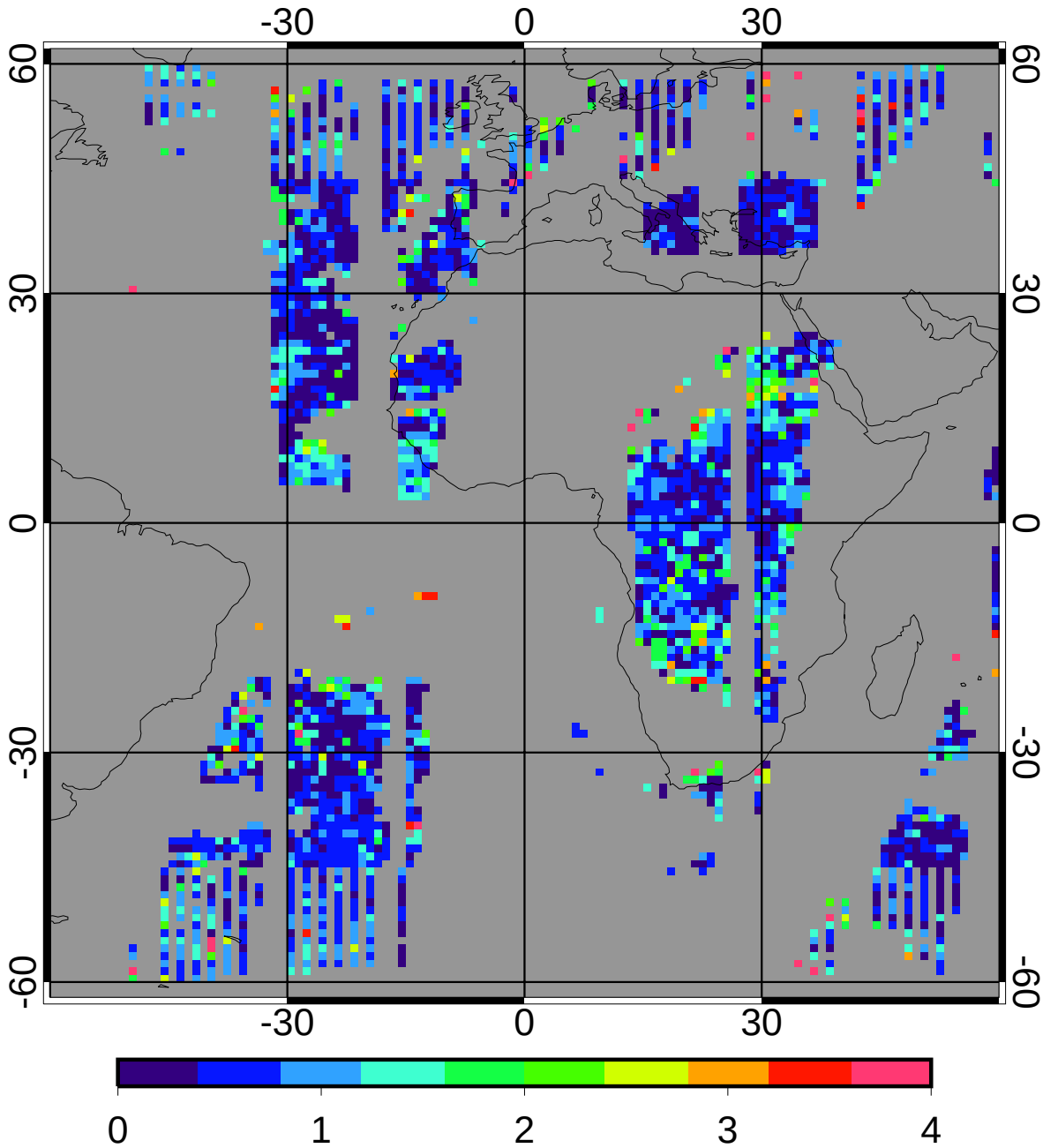
5ch_39cal Oct 2010




| | | |
|---|---|---|
| bias | -0.13 | -5.06% |
| domain sigma | 0.88 | 33.49% |

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

5ch_39cal Oct 2010




| | | |
|---|---|---|
| regave rms | 0.48 | 18.30% |
| domain rms | 0.95 | 36.09% |