Surface-Only Flux Algorithm G5 - CERES Studies

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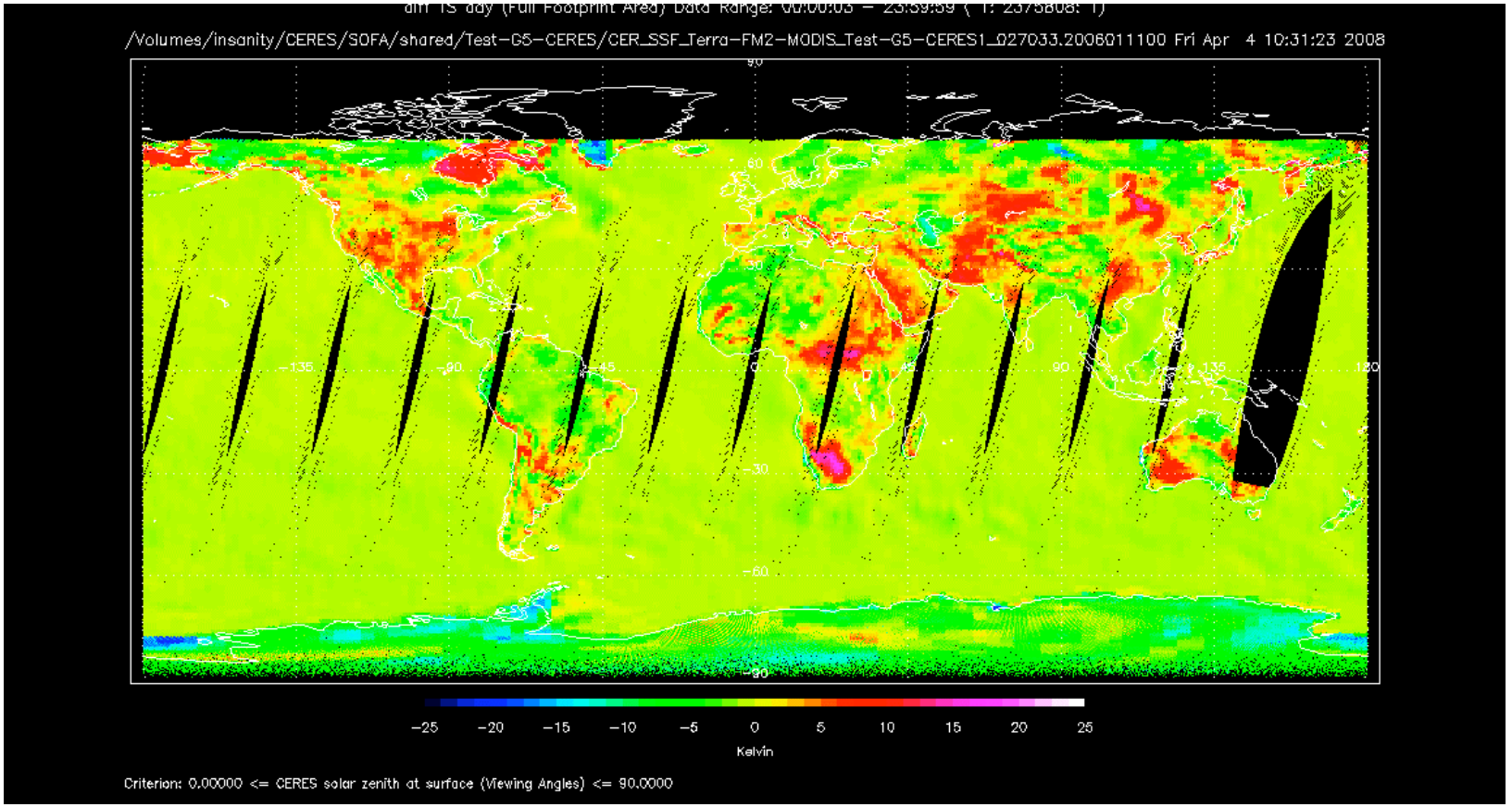
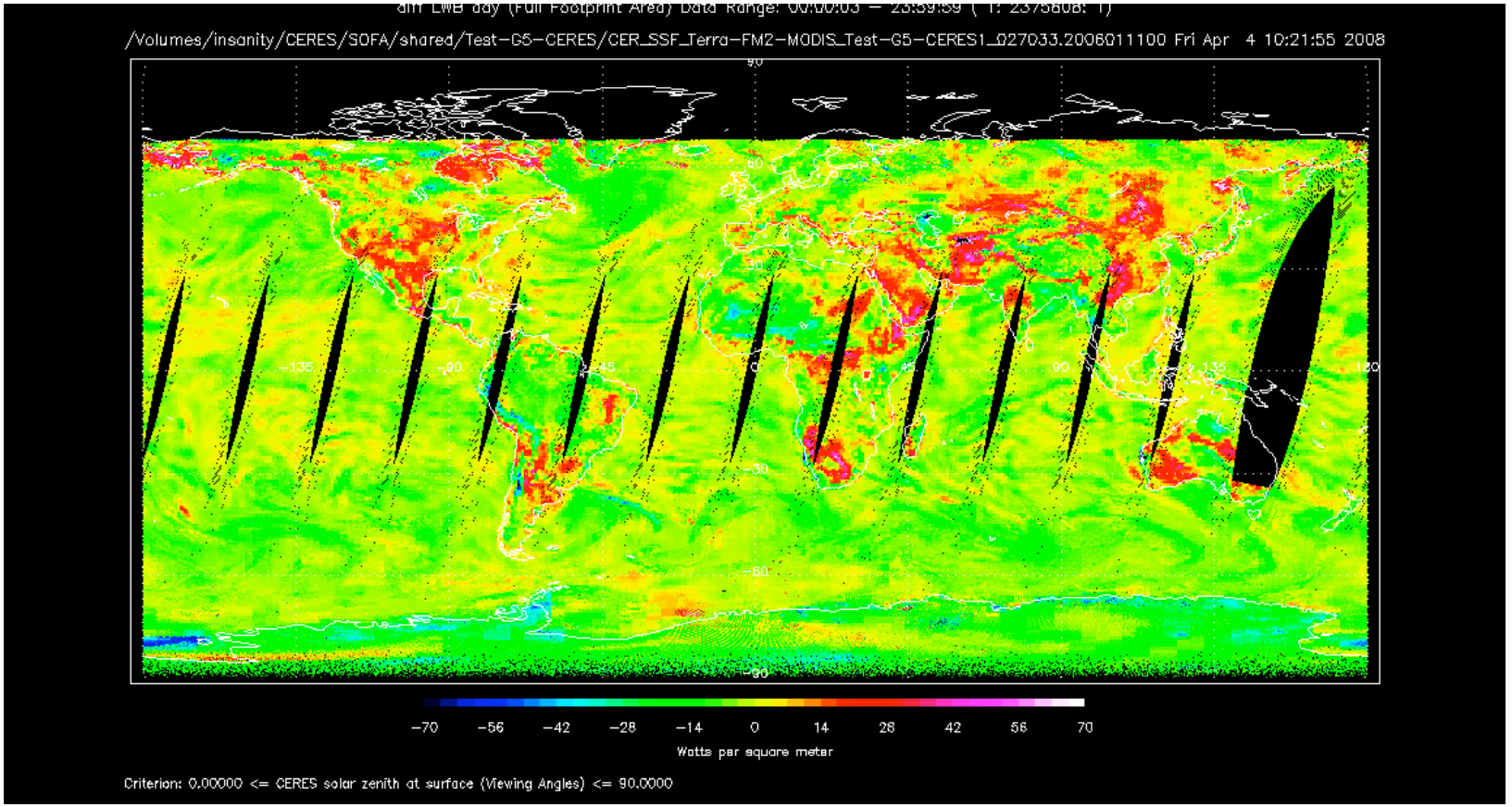
April 16, 2008

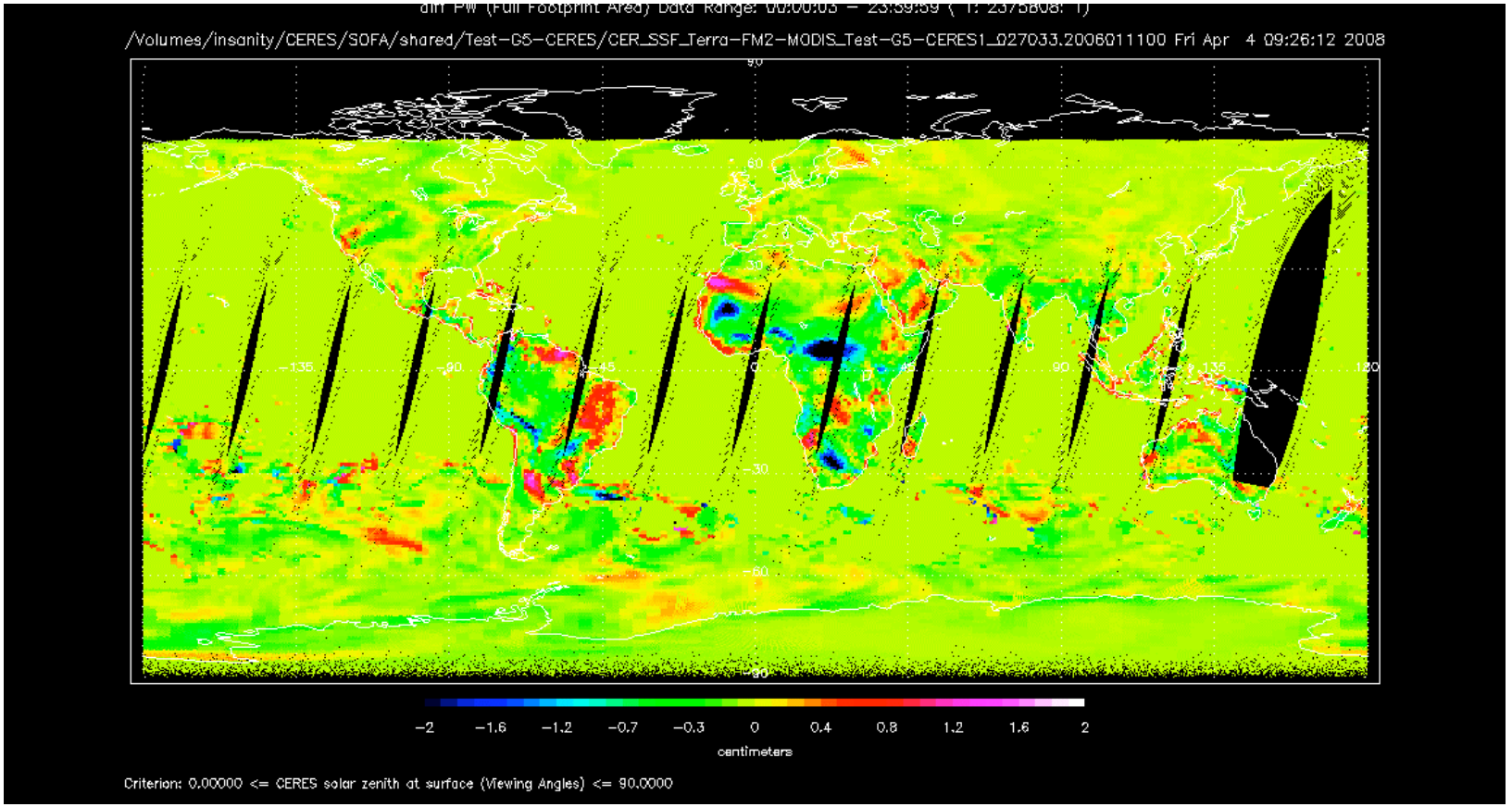
Temperature, Terra (Day), G5 - Archive



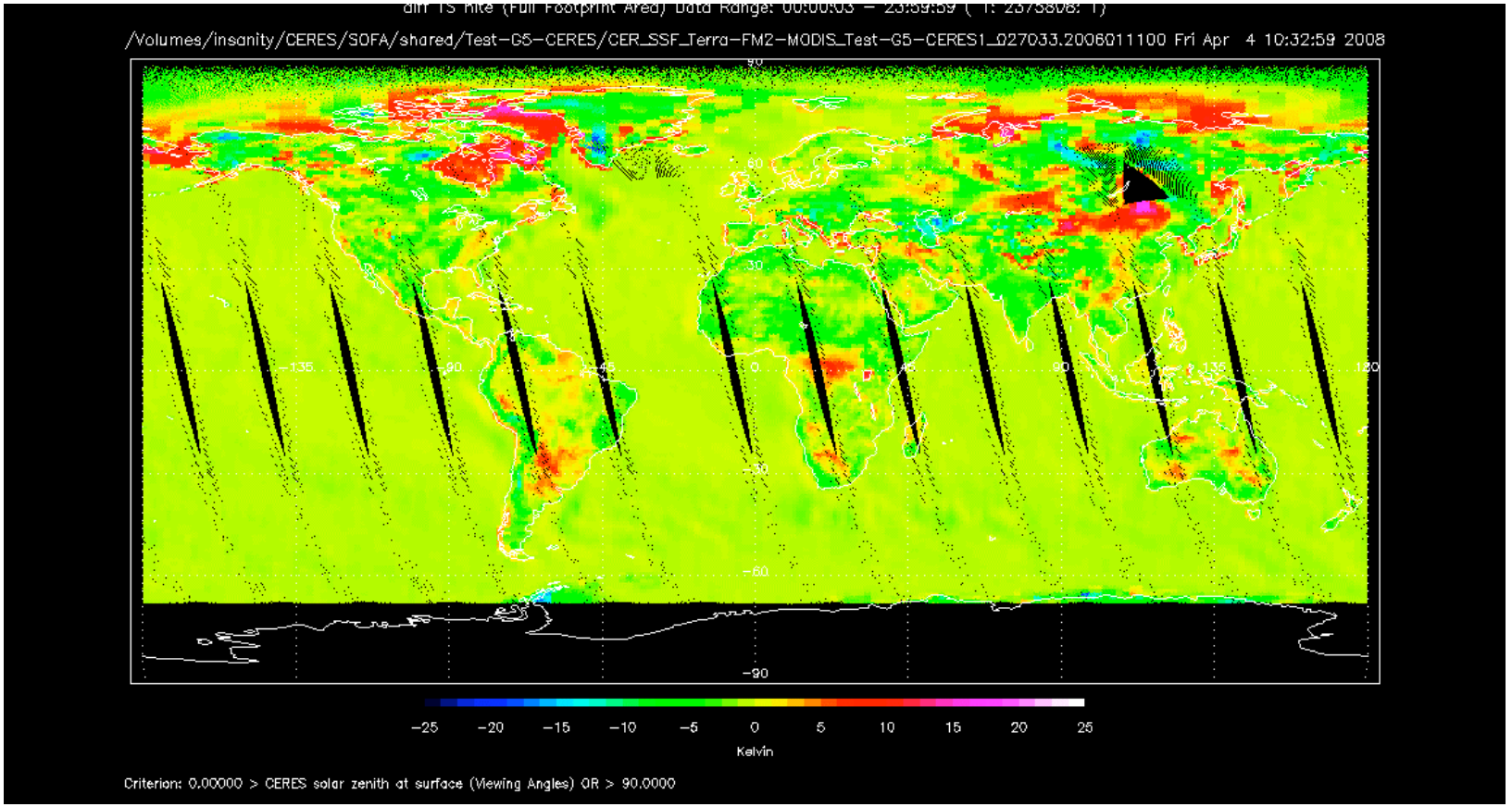
LW Model B, Terra (Day), G5 - Archive



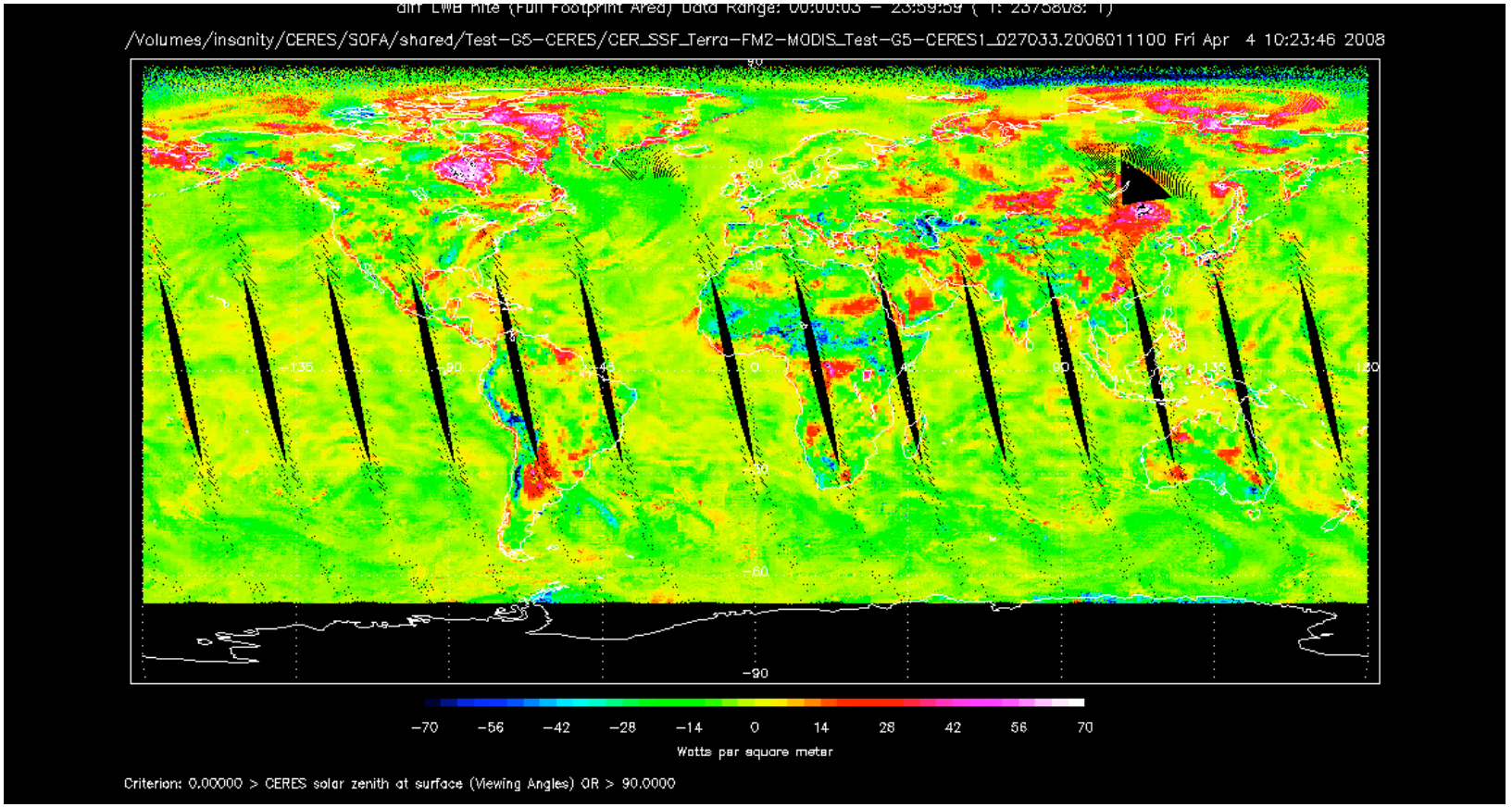
Precipitable Water, Terra (Day), G5 - Archive



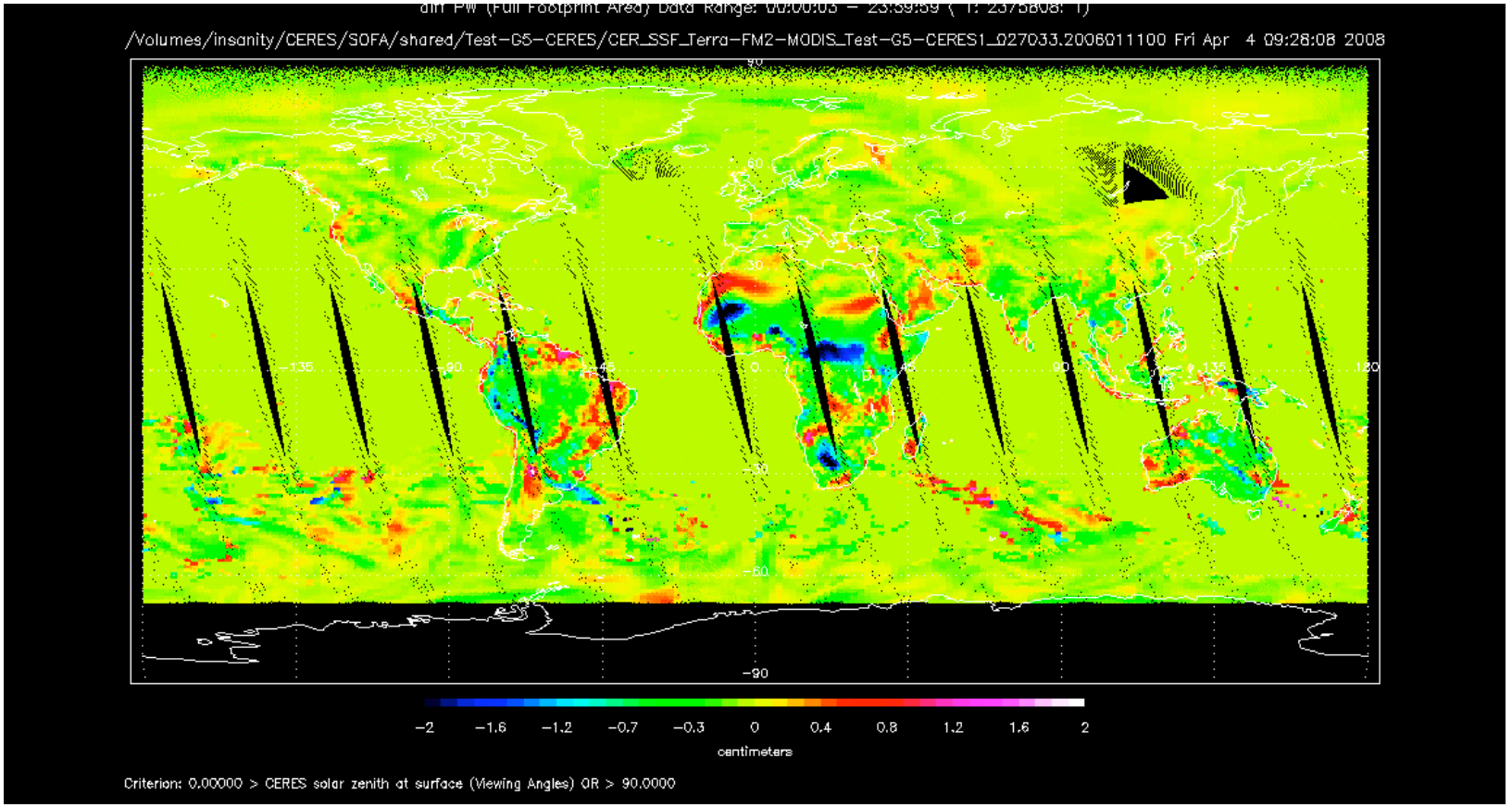
Temperature, Terra (Night), G5 - Archive

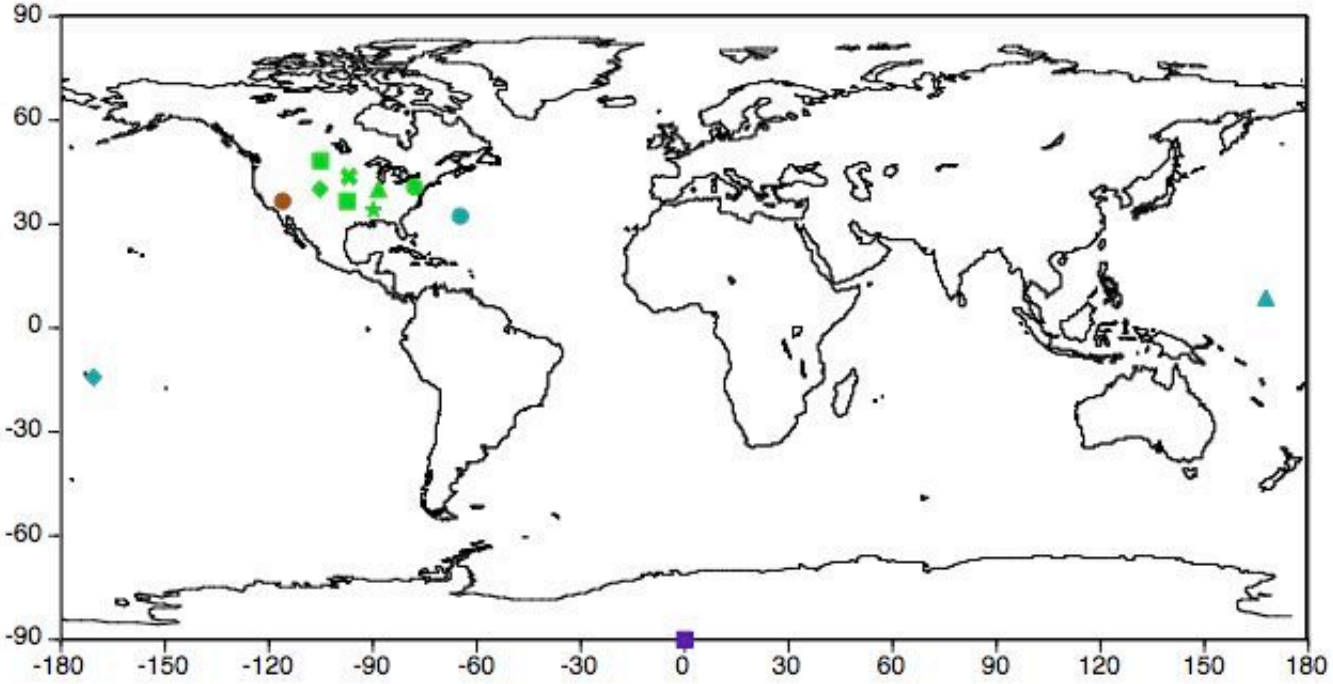


LW Model B, Terra (Night), G5 - Archive



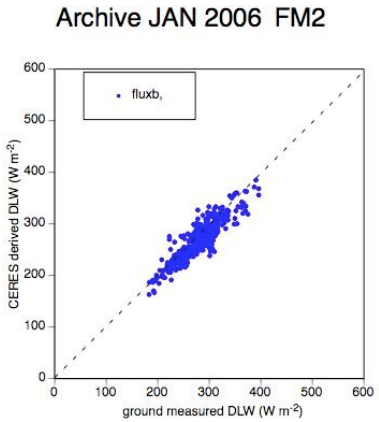
Precipitable Water, Terra (Night)

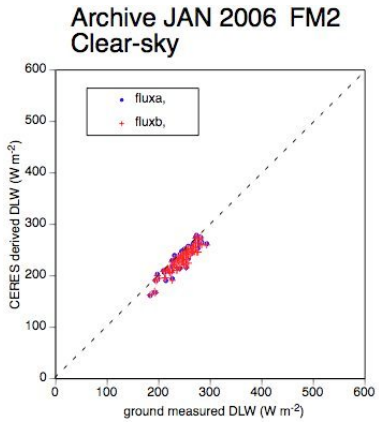


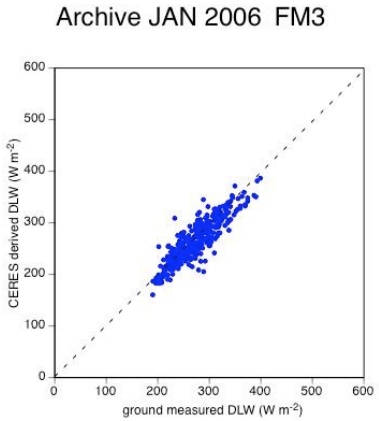


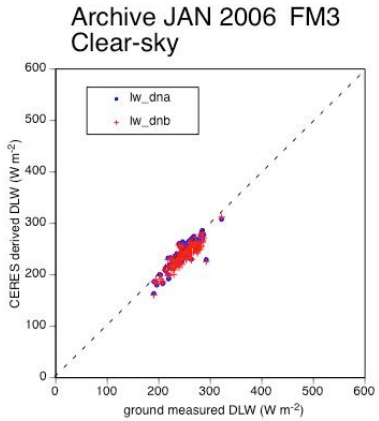
- 48.31N, 105.10W Fort Peck, MT
- 34.25N, 89.87W Goodwin Creek, MS
- 8.72N, 167.72E Kwajalein
- 40.72N, 77.93W Penn State, PA
- 43.73N, 96.92W Sioux Falls, SD
- 14.23S, 170.56W American Samoa
- 40.05N, 88.37W Bondville, IL
- 36.60N, 97.48W SGP ARM
- 90.00S, 0.00 South Pole
- 40.13N, 105.24W Boulder, CO
- 32.30N, 64.77W Bermuda
- 36.63N, 116.02W Desert Rock, NV

LW Model B, Terra FM2, Aqua FM3, Archive

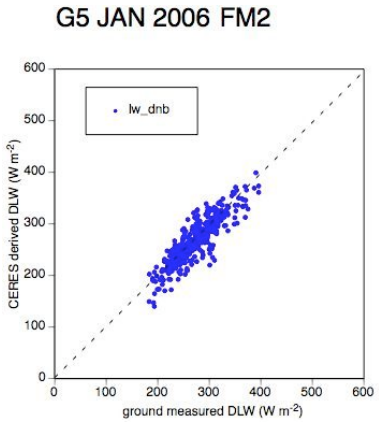


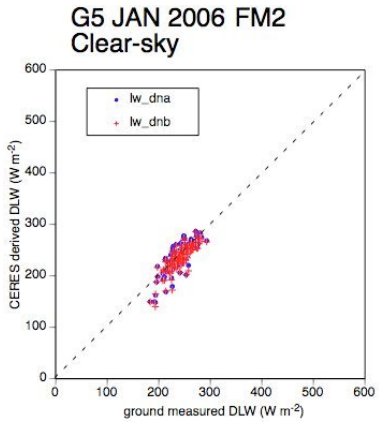


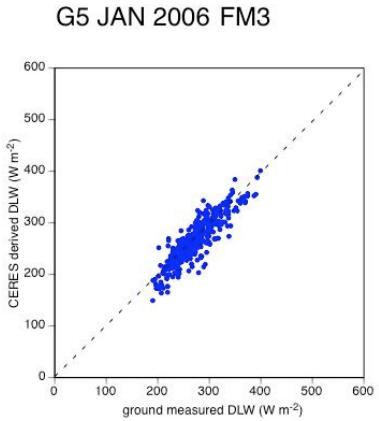


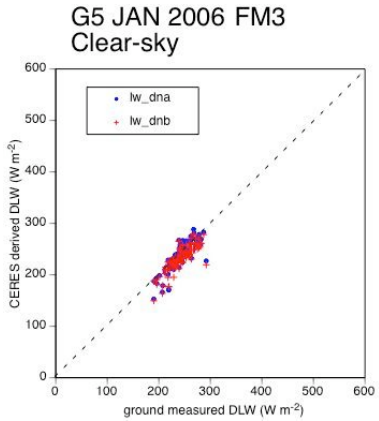


LW Model B, Terra FM2, Aqua FM3, G5





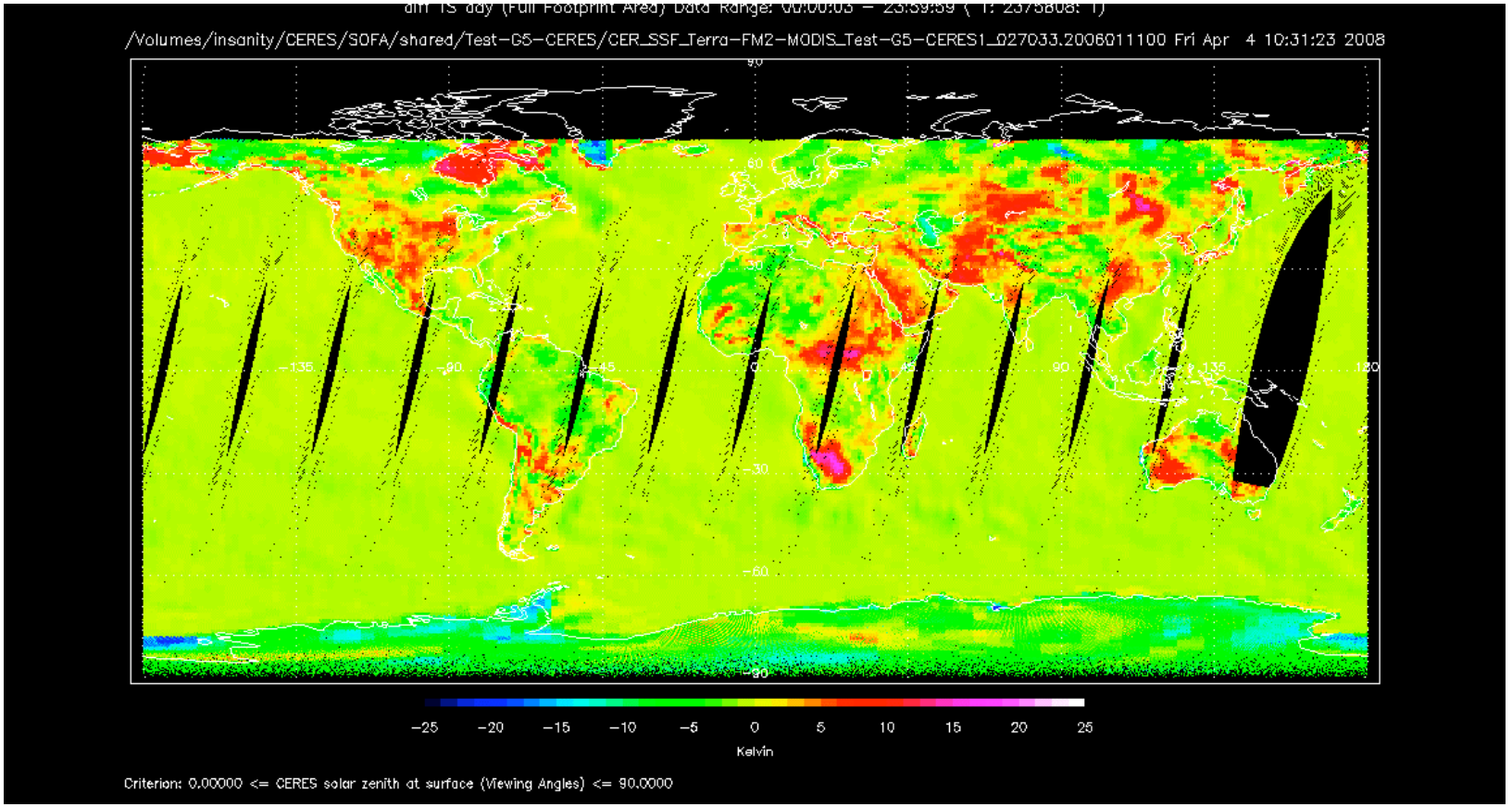




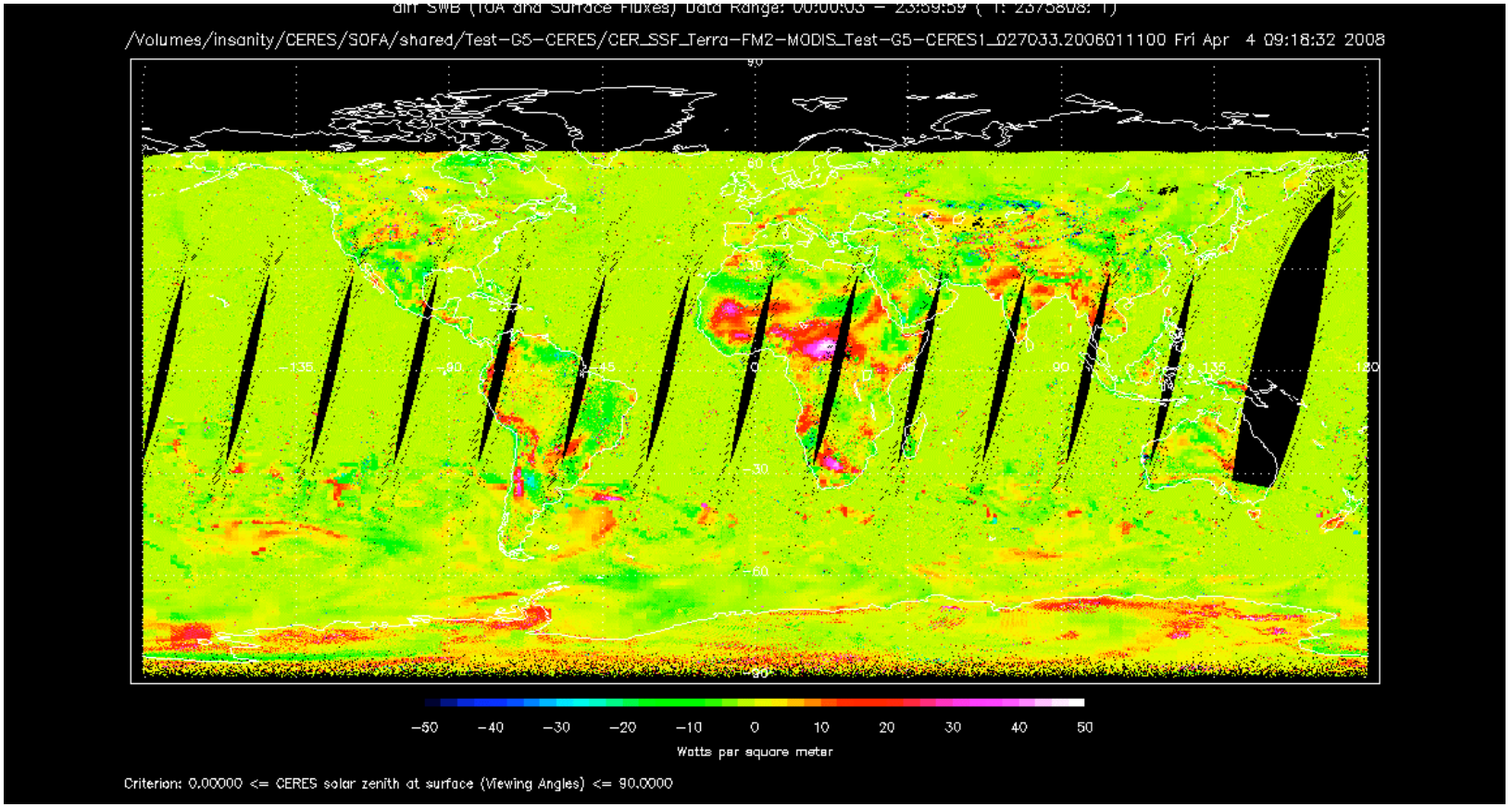
Longwave Model B Terra FM2 January 2006

	Terra Ed2F		Terra G5 test	
site	npts	Bias (W $m^{-2)}$ (%)	npts	Bias (W $m^{-2)}$ (%)
Combined	675	-8.3 (-3.1)	736	-5.8 (-2.1)
E01	36	-5.0 (-1.9)	38	-5.8 (-2.2)
E22	10	1.9 (0.7)	12	2.6 (1.0)
PSU	38	-11.0 (-3.7)	41	-8.4 (-2.9)
TBL	39	-18.2 (-7.4)	41	-31.1 (-12.8)
BER	36	-3.3 (-0.9)	39	-1.4 (-0.4)

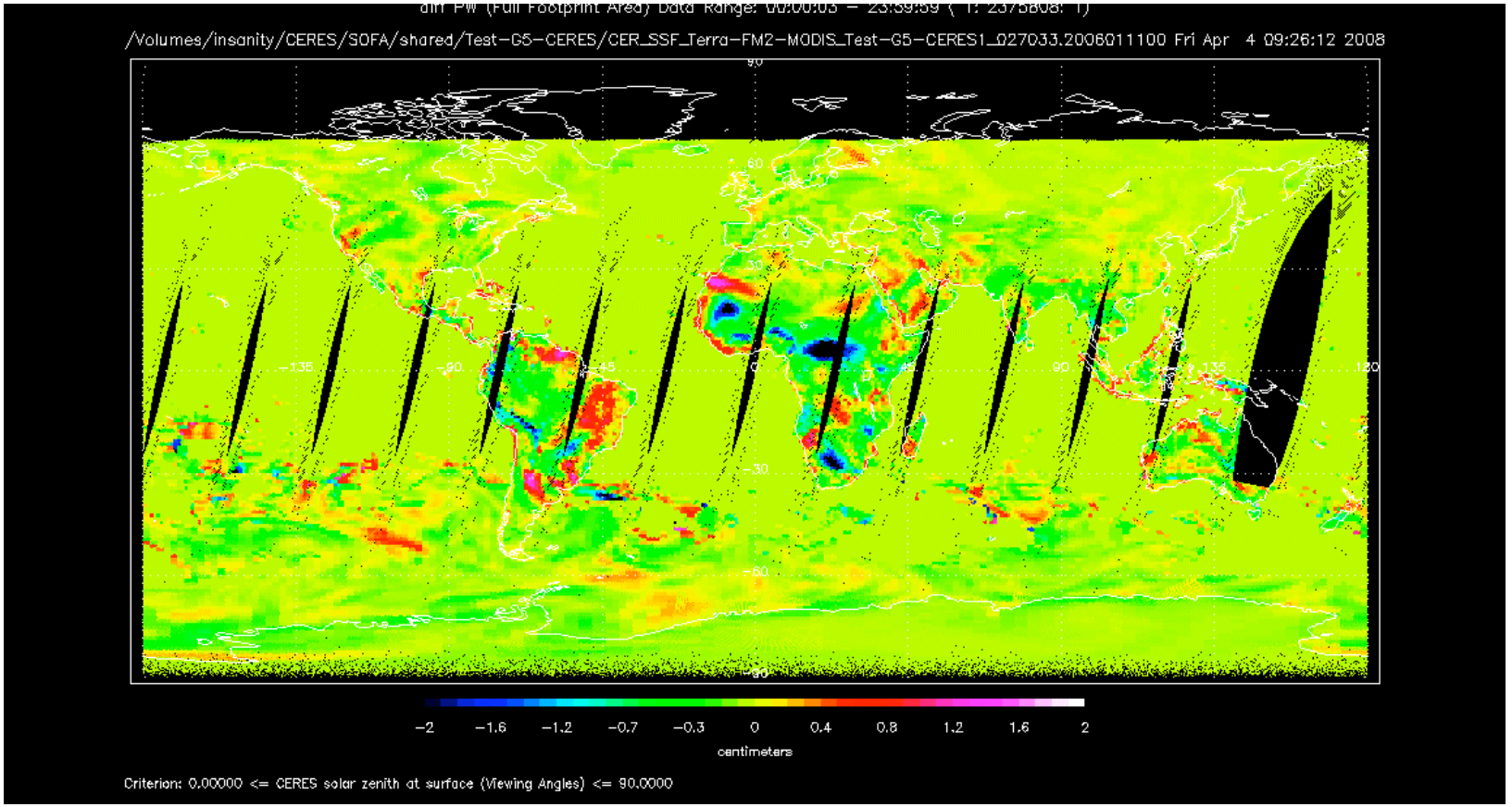
Temperature, Terra (Day), G5 - Archive



SW Model B, Terra (Day), G5 - Archive

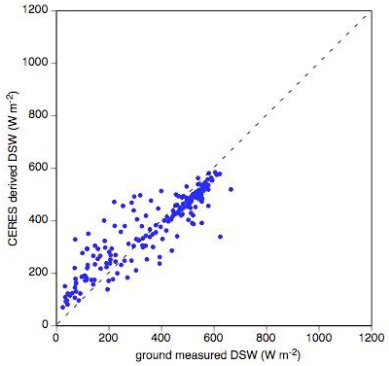


Precipitable Water, Terra (Day), G5 - Archive



SW Model B, Terra FM2, Aqua FM3, Archive

archived JAN 2006 FM2



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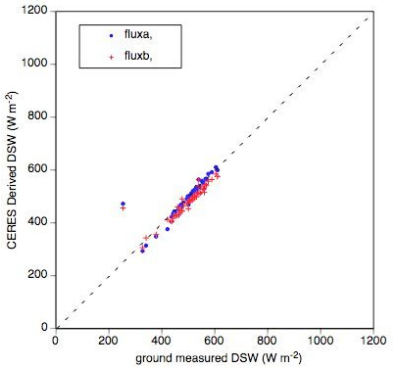
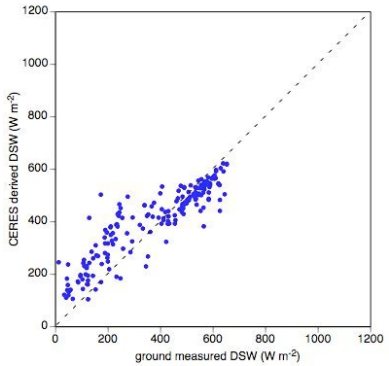


archived JAN 2006 FM3



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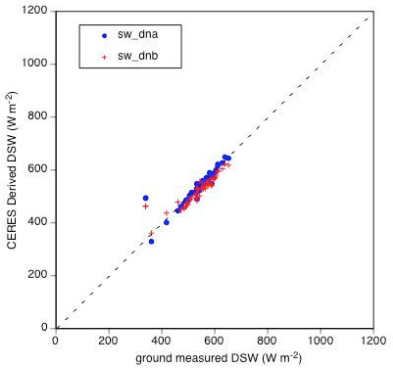
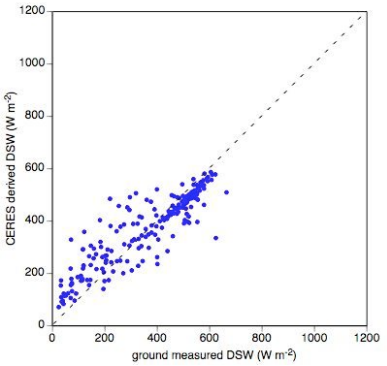
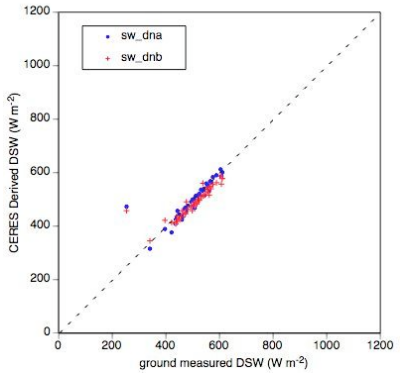


SW Model B, Terra FM2, Aqua FM3, G5

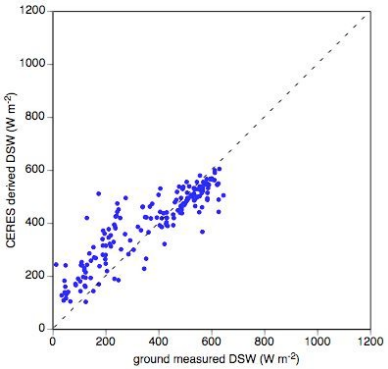
G5 JAN 2006 CONUS



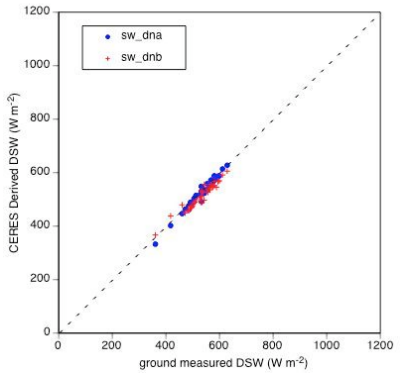
G5 JAN 2006 FM2



G5 FM3 JAN 2006 CONUS



G5 JAN 2006 FM3



Shortwave Model B Terra FM2 January 2006

	Terra Ed2F		Terra G5 test	
site	npts	Bias (W $m^{-2)}$ (%)	npts	Bias (W $m^{-2)}$ (%)
Combined	308	10.5 (2.7)	338	7.6 (1.9)
E01	21	-14.9 (-3.2)	22	-12.3 (-2.8)
BEF	21	-9.3 (-2.0)	22	-13.4 (-2.9)
PSU	25	23.5 (10.4)	27	22.8 (9.8)
TBL	20	10.7 (2.6)	22	19.5 (4.6)
BER	12	-18.3 (-4.1)	16	-1.0 (-0.2)