

Selected Visualizations of Quasi-global Precip for 2006-2007 from the TMPA (V.6 3B43)

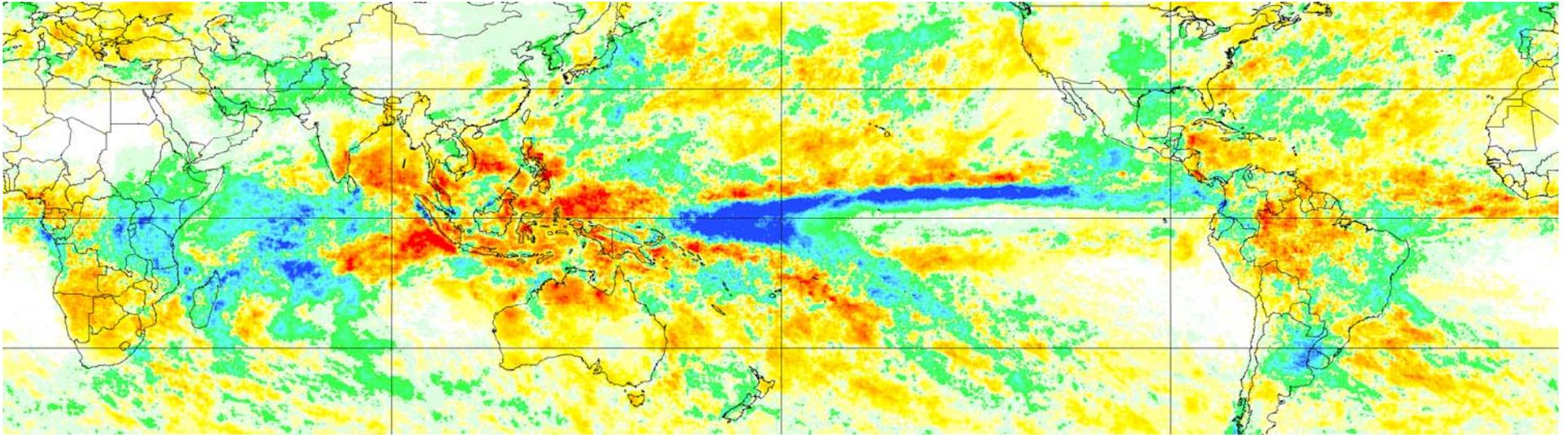
George J. Huffman

SSAI and NASA/GSFC

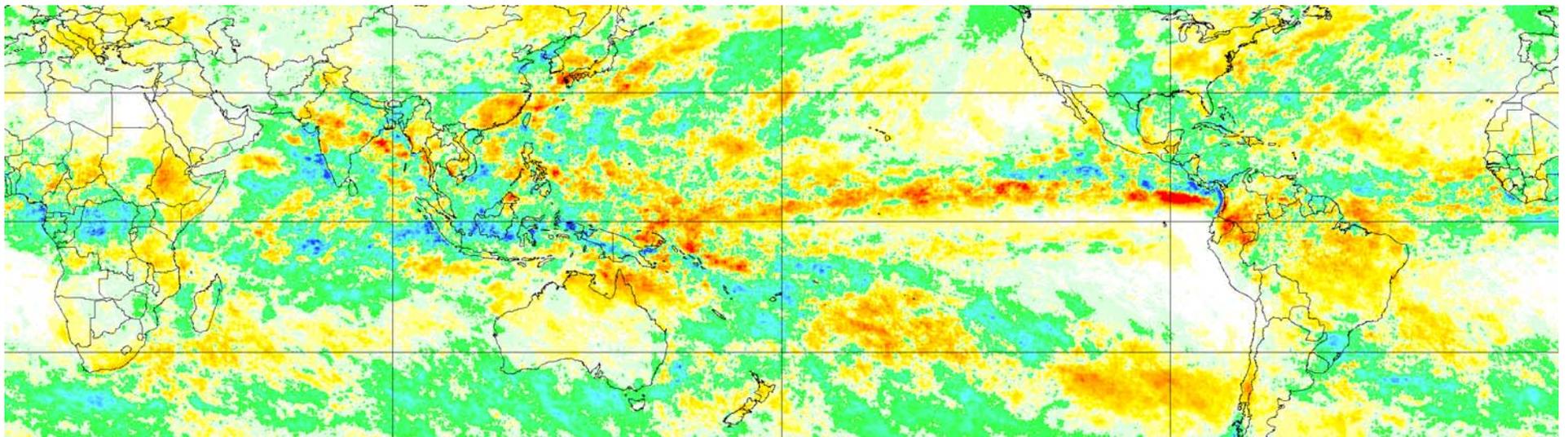
21 May 2008

These visualizations were created in preparation for a poster by W. Olson (JCET; NASA/GSFC). At one level, they are interesting in their own right, but at another, they are representative of the precipitation analyses that can be provided for use in NEWS analyses. For more information,

contact george.j.huffman@nasa.gov .



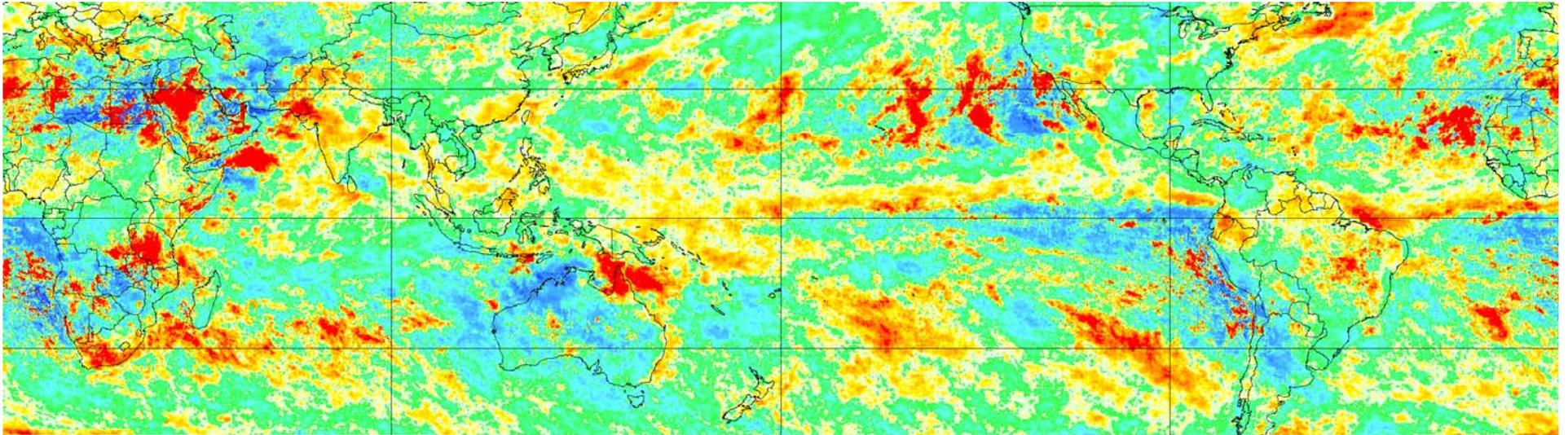
2005-6 ONDJFM – 2006-7 ONDJFM (mm/d)



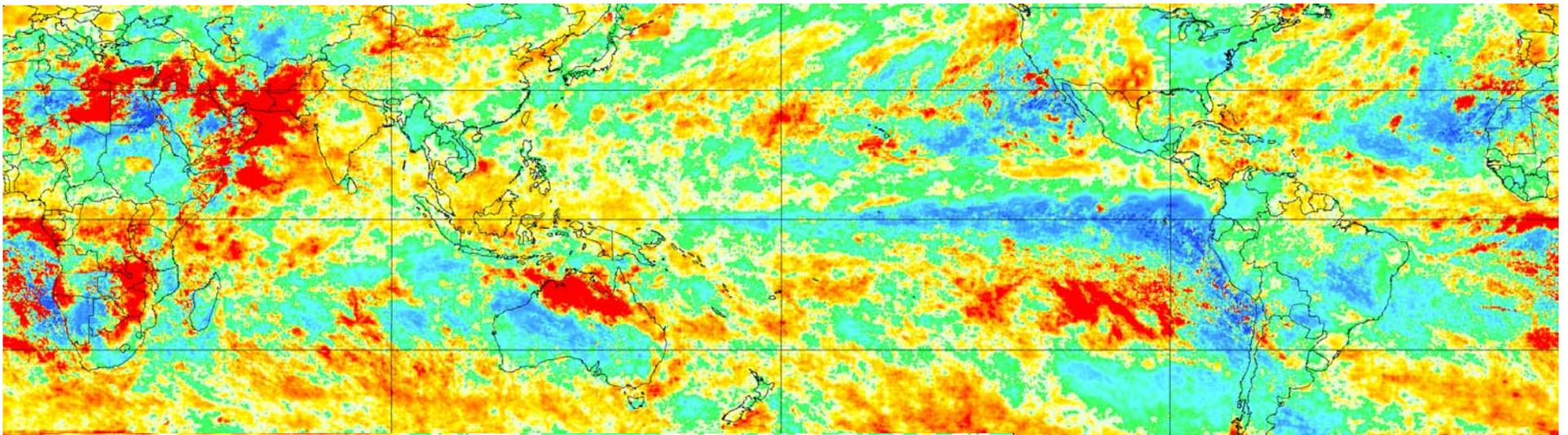
2006 AMJJAS – 2007 AMJJAS (mm/d)



Differences in 6-month (October-March, top, and April-September, bottom) averages between 2006 and 2007 computed with (Version 6 3B43) data.



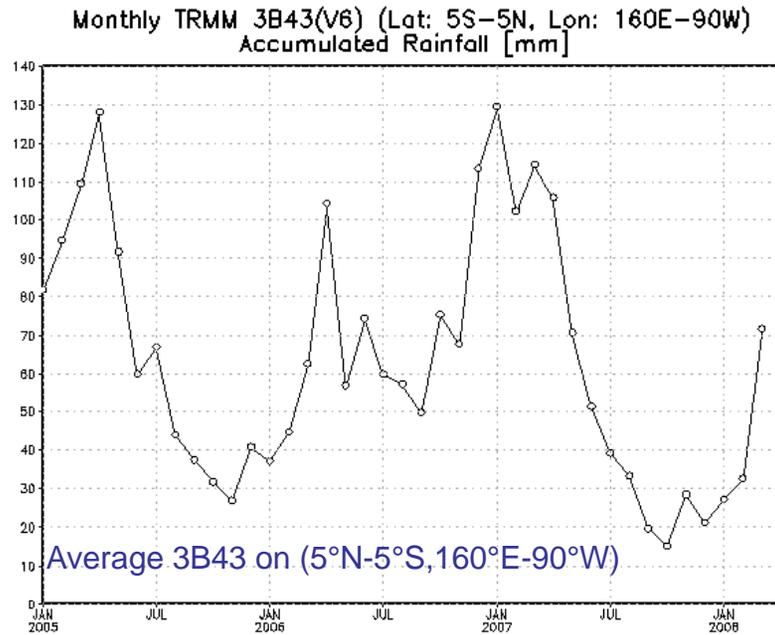
2006 MJJAS relative anomaly ratio



2007 MJJAS relative anomaly ratio



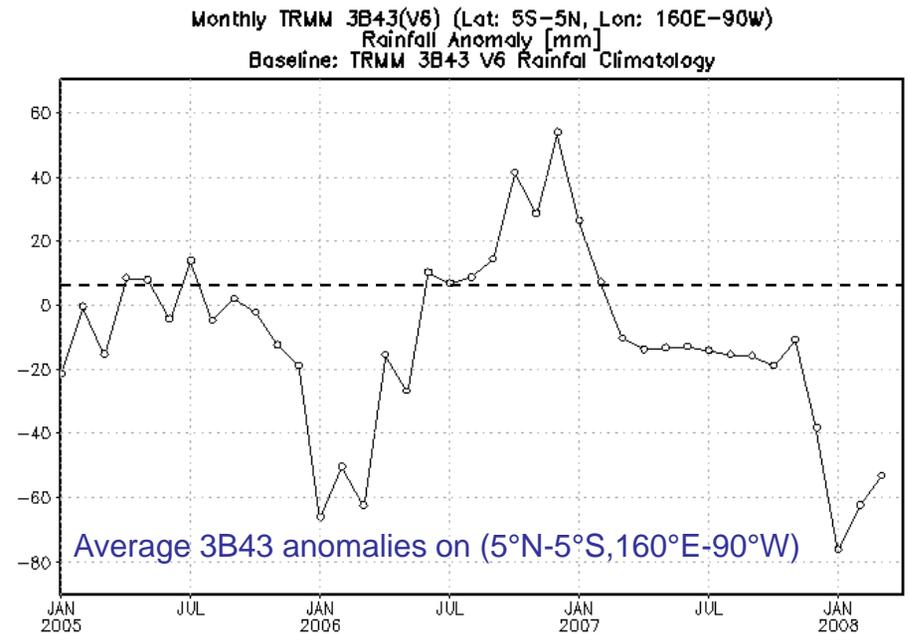
Anomalies for 5-month (March-September) averages normalized by climatology for 2006 and 2007 computed with (Version 6 3B43) data



GRADS: COLA/IGES

Generated by NASA's Giovanni (giovanni.gsfc.nasa.gov)

2008-05-21-16:36 GRADS: COLA/IGES

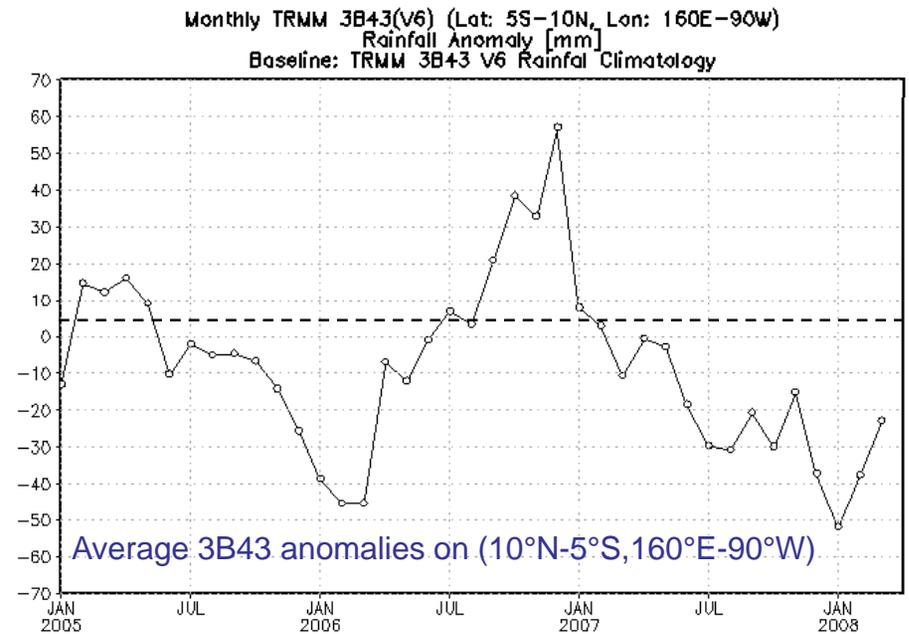


Generated by NASA's Giovanni (giovanni.gsfc.nasa.gov)

2008-05-21-16:44

Time series on the Equatorial Pacific strip, 5°N-5°S (left and right above) or 10°N-5°S (right below), all across 160°E-90°W. The units are monthly precipitation (in mm, left above) or monthly precipitation anomaly from climatology (in mm, right above and below).

These analyses were created with <http://lake.nascom.nasa.gov/Giovanni/tovas>, which provides interactive analysis of several global data sets, including the 3-hourly and monthly TMPA (Version 6 3B42 and 3B43) and the GPCP monthly product (Version 2 SG).

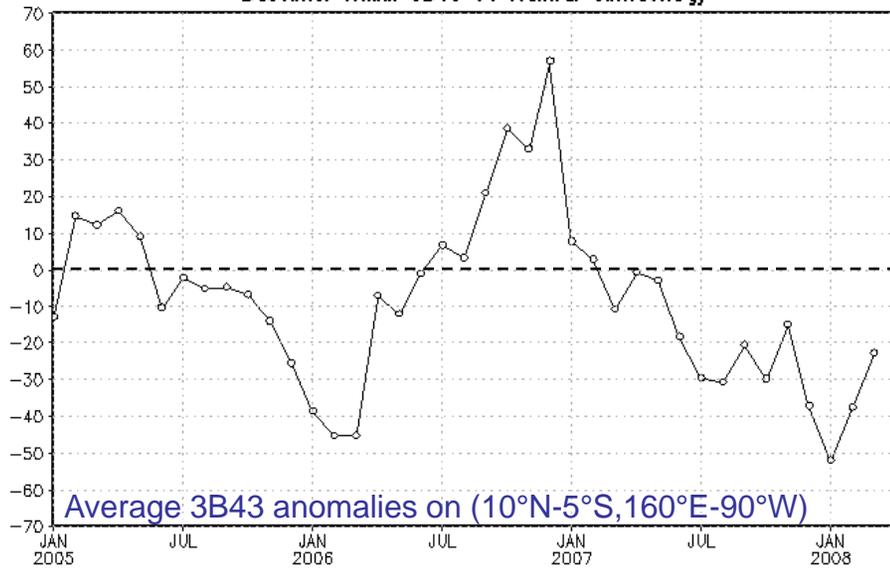


GRADS: COLA/IGES

Generated by NASA's Giovanni (giovanni.gsfc.nasa.gov)

2008-05-21-16:54

Monthly TRMM 3B43(v6) (Lat: 5S-10N, Lon: 160E-90W)
 Rainfall Anomaly [mm]
 Baseline: TRMM 3B43 V6 Rainfal Climatology

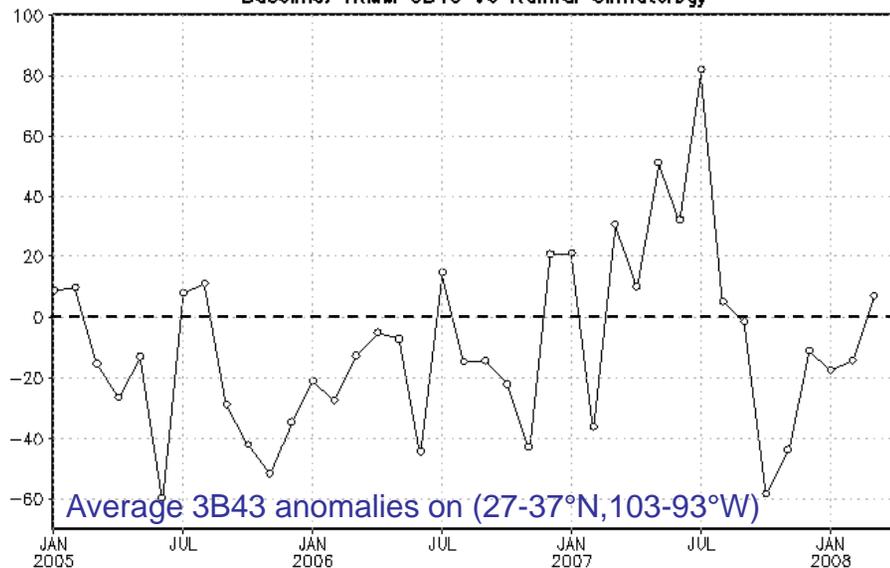


GRADS: ODLA/IGES

Generated by NASA's Giovanni (giovanni.gsfc.nasa.gov)

2008-05-21-16:54

Monthly TRMM 3B43(v6) (Lat: 27N-37N, Lon: 103W-93W)
 Rainfall Anomaly [mm]
 Baseline: TRMM 3B43 V6 Rainfal Climatology

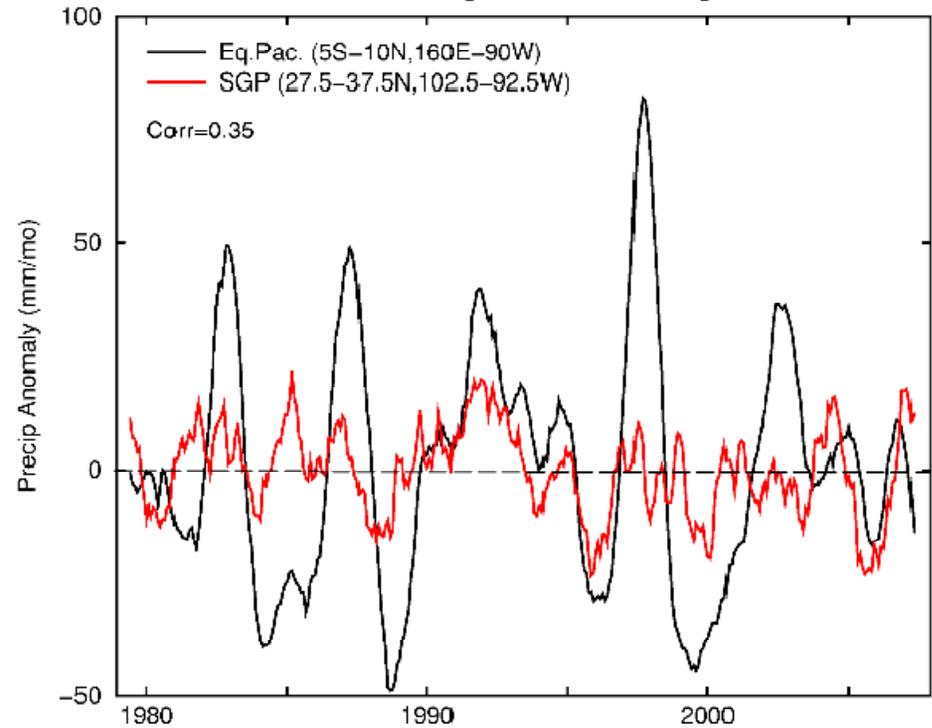


GRADS: ODLA/IGES

Generated by NASA's Giovanni (giovanni.gsfc.nasa.gov)

2008-05-22-12:44

GPCP Area Averages, 13-month running mean



Time series for 3B43 anomalies on the Equatorial Pacific strip, 10°N-5°S, 160°E-90°W (left above) and the Southern Great Plains, 27-37°N, 103-93°W (left below), and for GPCP V.2 SG (upper right, boundaries rounded to nearest whole grid boxes). The units are monthly precipitation anomaly from climatology (mm/mo).

The analyses on the left were created with <http://lake.nascom.nasa.gov/Giovanni/tovas>, while that on the right only started with ascii dumps of tovas-averaged data.