

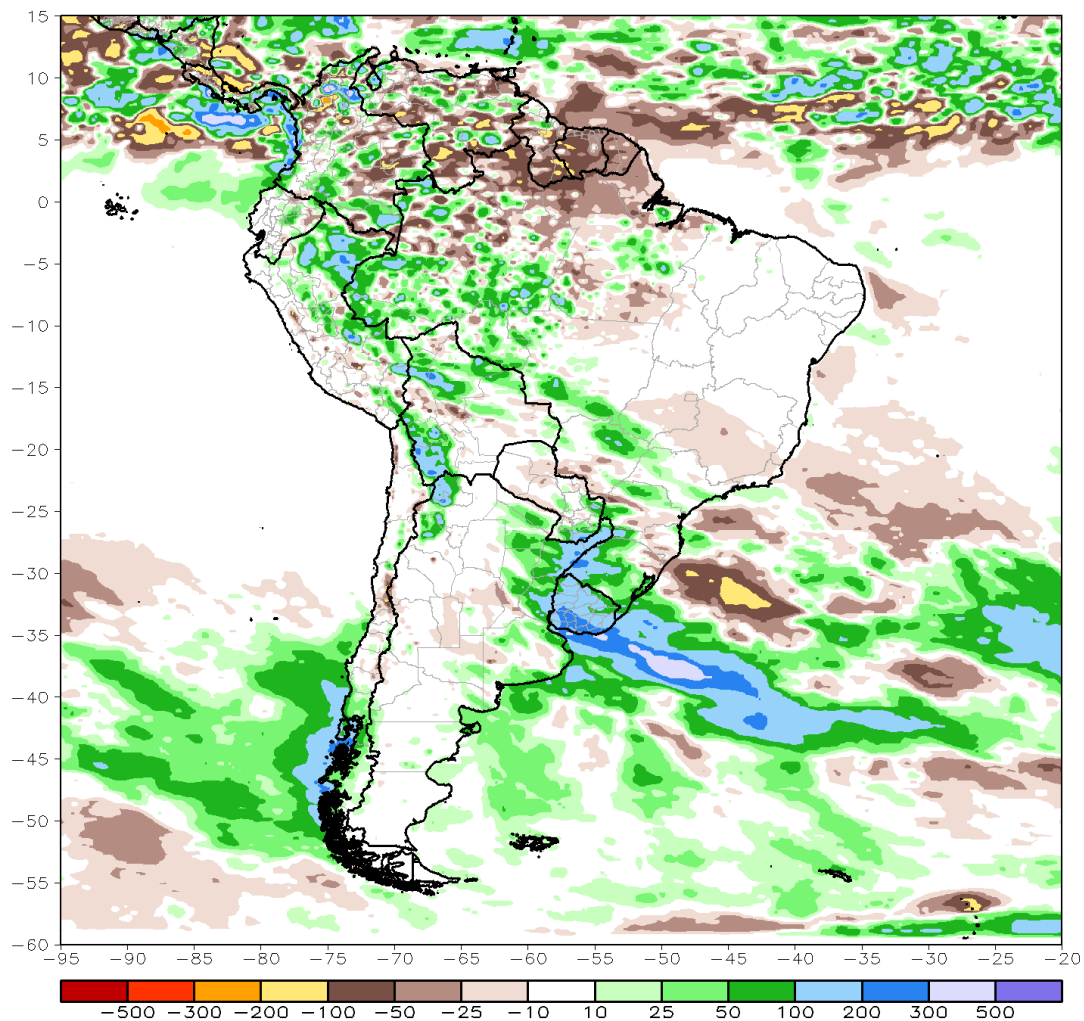
Bulletin August 2017 – Tropical Meteorology

By A.C.V. Freitas and L. B. M. Pires

During August 2017 dry conditions still prevailed over the northwestern areas of Amazonas and Roraima. However, wet conditions prevailed over the southwestern areas of the Amazon region. The Intertropical Convergence Zone (ITCZ) system over the tropical Atlantic and eastern Pacific was active but weaker as compared to July.

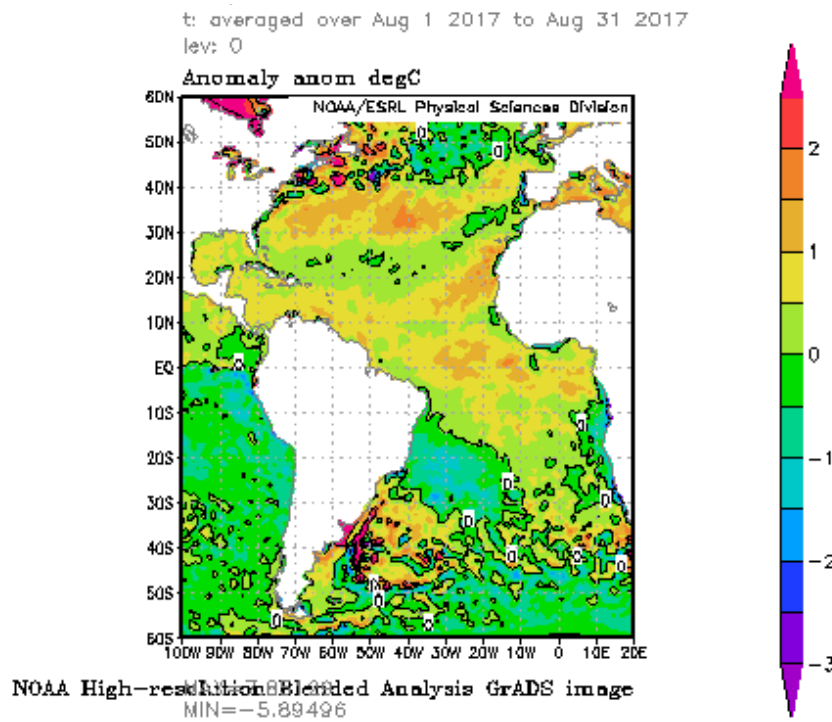
CMORPH 1–Month Total Rainfall Anomaly (mm)

Period: 01Aug2017 – 31Aug2017



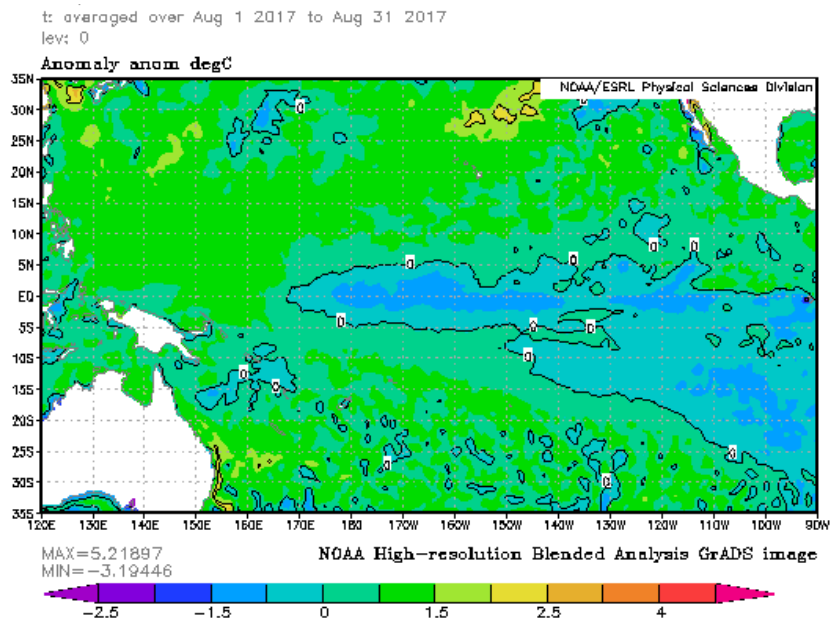
Source: <http://www.cpc.ncep.noaa.gov/>

The Sea Surface Temperature (SST) anomalies over the tropical Atlantic were mainly positive, and stronger close to the western coast of Africa, favoring rainfall reduction in the extreme north of South America.



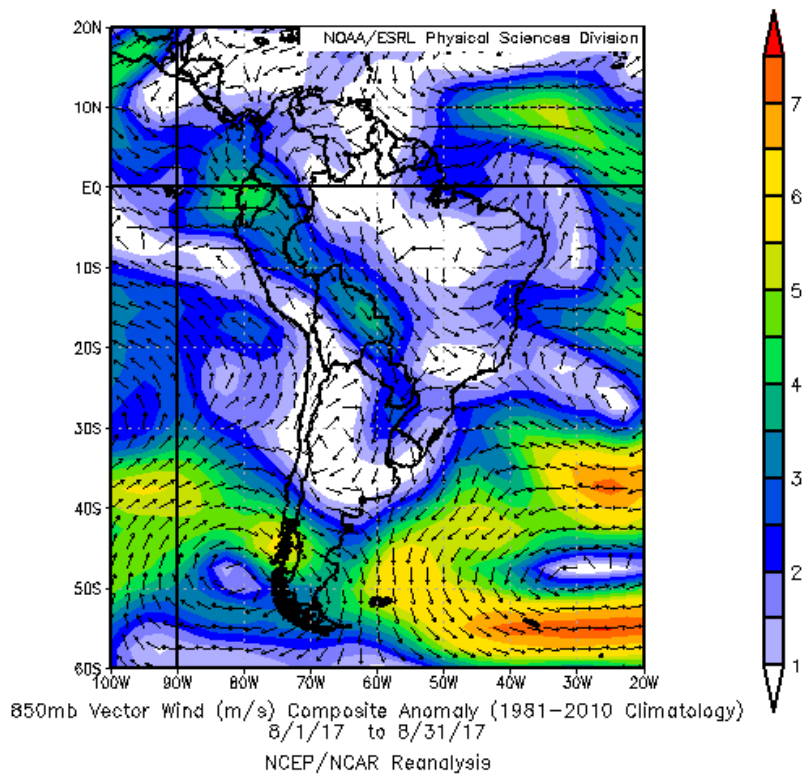
Source: <https://www.esrl.noaa.gov/psd/>

In the tropical Pacific region, negative anomalies of SST were observed, indicating a possible developing of La Niña conditions in the subsequent months.



Source: <https://www.esrl.noaa.gov/psd/>

The 30-day mean vector wind anomaly at 850 hPa showed a strong anticyclonic circulation over the South Atlantic and strong northerly wind anomalies over the southwestern area of the Amazon.



Source: <https://www.esrl.noaa.gov/psd/data/composites/day/>