



CLIMATE ALERT BULLETIN (BAC)

CPPS

SUMMARIZED VERSION

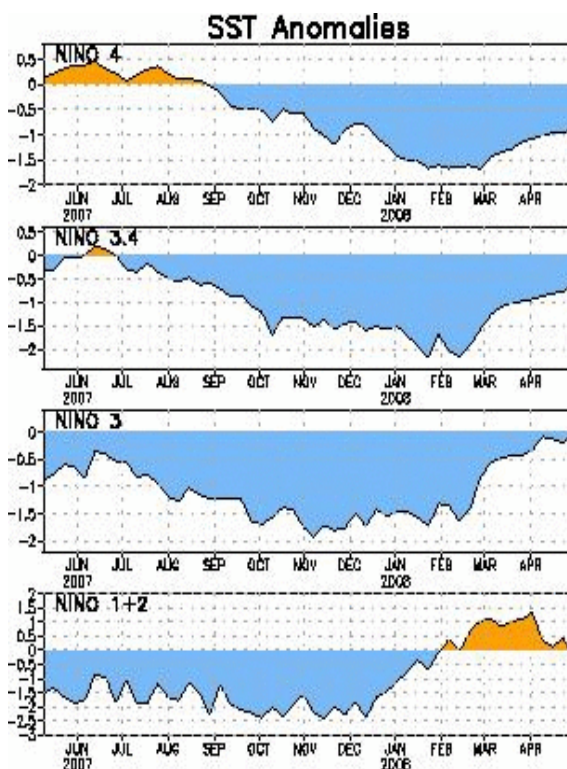
APRIL 2008

BAC 211

In April a significant reduction of the Sea Surface Temperature takes place in front of the South America coast, happening the anomalies of 1.3°C to -0.3°C; what it would be marking the return neutral conditions in this sector of the Eastern Pacific Ocean; on the other hand the region of the Central Equatorial Pacific presented like average of the month negative anomalies of -0.8°C, continuing with the reduction of the area of negative anomalies in comparison with the previous month (-1.1°C). In the last week of April the temperature of the sea presented anomalies of -0,8°C in the Western Pacific, -0.6°C for the Central Pacific and -0,3°C in the Eastern Pacific, maintaining the tendency of one maintained reduction of the negative anomalies in the Equatorial Pacific, process that gradually comes giving from last February.

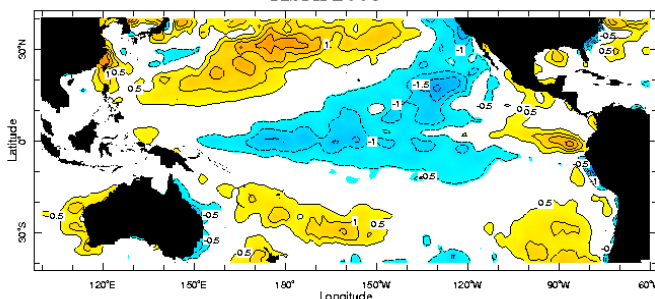
As far as surface winds, in the region of the Southeastern Pacific, like the previous month, with predominance of the South and Southeastern appeared; the speeds in general were slightly on the normal rank for the date.

The Index of Oscillation of the South, by ninth consecutive month presents/displays positive values, although in this month I diminish to 0,6. In April the Mean sea level in the Southeastern Pacific fluctuated near its normal patterns. As opposed to the coasts of Ecuador it was slightly over the average; in the Peruvian coast it continued presenting/displaying positive anomalies, with the exception of Chimbote. In front of Chile the Level of the Sea was characterized to present/display a tendency of diminution with negative values of anomalies in the stations of Arica and Antofagasta.



**SEA SURFACE TEMPERATURE ANOMALIES
FOR THE NIÑO REGIONS**

**Anomalía de la Temperatura Superficial del Mar (°C)
Abril 2008**



Apr 2008

**SEA SURFACE TEMPERATURE
ANOMALIES, APRIL 2008**

Taking into account the present thermal behaviour from the Equatorial Pacific Ocean, as well as the exits of several models of numerical simulation, are anticipated that during the next month in the Eastern sector of the Pacific Ocean the Sea Surface Temperature will remain slightly under the normal one; whereas the Central Pacific Ocean continues showing tendency to the reduction of the negative anomalies.

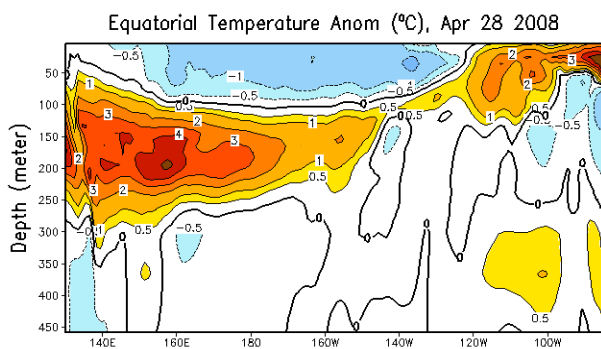


CLIMATE ALERT BULLETIN (BAC)

The subsurface thermal structure in the Equatorial Pacific presents a water cloak located between 130°W and 160°E with anomalies of -1.0°C for the first 100; below this superficial layer in the level of the 200 ms continuous it presents a warm nucleus with positive anomalies of until 4.0°C, that reaches the Eastern edge of the Equatorial Pacific, arriving at the surface in front of South America with anomaly of 2.0°C.

A remarkable structure that it arose from the second fortnight of the previous month was the presence at surface level (the first 50 ms) of a thin water cloak with positive anomalies of 2.0°C next to the Eastern edge of the Equatorial Pacific.

The Intertropical Convergence Zone (ZCIT - ITCZ) appeared in the Eastern sector of the Pacific with regulating convective activity, being located its central axis between 6° N and 8° N.



SUBSURFICIAL TEMPERATURE ANOMALIES
APRIL 2008

Perspective for the next weeks

GLOBAL

Taking into account the present predictions from several numerical and statistical models as well as the behaviour of the main oceanic and atmospheric indicators esteem that during the next month the Central Equatorial Pacific will maintain negative anomalies of the SST, conserving the tendency to reduce so much the area as the value of the same.

REGIONAL

In agreement with the pursuit of the ocean-atmospheric conditions in the Southeastern Pacific Ocean executed by Program ERFEN (integrated by National Committees ERFEN of Chile, Colombia, Ecuador and Peru) and coordinated by the CPPS, it is anticipated that during the next month the SST in the Eastern and coastal Equatorial Pacific will present slightly values below the normal one of the month; whereas the temperature of the air will be fluctuating around its average value

As far as the level of the sea, one hopes that it continues fluctuating around its average value. With respect to rains, the tendency for the coasts of Ecuador and Peru and north and center of Chile is to register values below the monthly accumulated one waited for, whereas to the south of Chile the condition will fluctuate between normal and deficit.

Institutions that collaborate in this bulletin:

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EDITED IN THE OCEANOGRAPHIC INSTITUTE OF THE NAVY OF ECUADOR

Av. 25 de julio Base Naval Sur. Guayaquil, Ecuador. P.O.BOX 5940. Fax (593)4-2485166. Phone: (593)4-2481300.