



CLIMATE ALERT BULLETIN (BAC)

CPPS

SUMMARIZED VERSION

JUN 2007

BAC 201

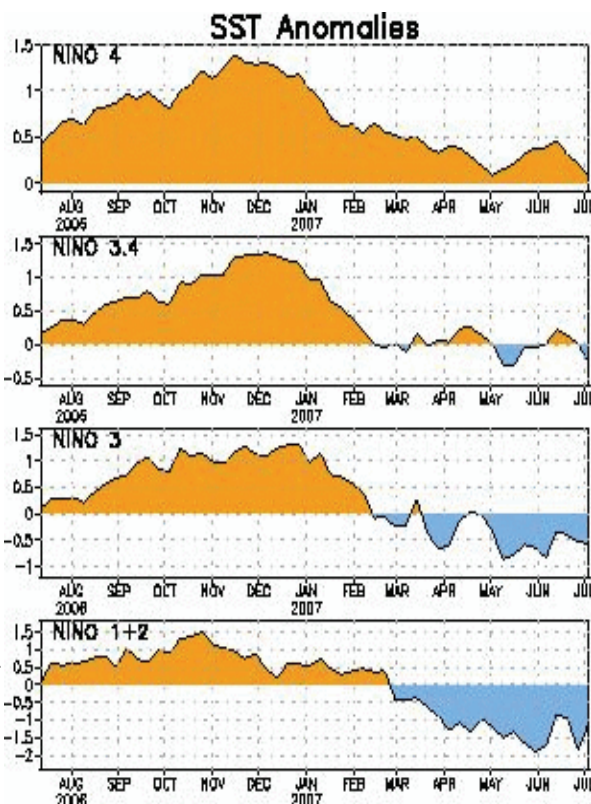
The Process of cooling observed in the Eastern Pacific Ocean continued during June, characterized during the first fortnight of the month, by a slight reduction in the cooling process, decreasing the negative anomalies and getting even to appear a warm cell with positive anomalies of until 1,0°C in the central coast of Ecuador. In the second fortnight started again the process of cooling of the sea, reaching towards month ends anomalies of to -2,5°C, disappearing also the observed warm nucleus during the previous fortnight.

The anomalies of the sea temperature during the last week of June were of 0,2°C in the Western Pacific, -0,6°C for the Central Pacific and -1,9°C in the Eastern boundary, values similar to those of the last week of the previous month; with which continue in the equatorial Pacific the neutral conditions with tendency towards cold conditions.

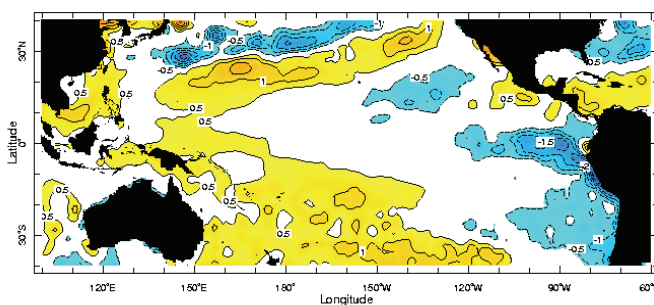
As far as surface winds in the Southeastern Pacific appeared with speeds that fluctuated within the normal rank of variability for the period. With respect to their direction the winds from the south and Southeastern predominated in the entire region.

The South Oscillation Index, for the first time in this year passed to the positive phase, with a small value 0,2.

During this month the Mean Sea Level in the Southeastern Pacific, was characterized for fluctuate closely together in the coasts of Ecuador and Peru of its normal patterns for June; towards the center-south of Chile, the anomalies were about -10.0 cm.



SEA SURFACE TEMPERATURE ANOMALIES



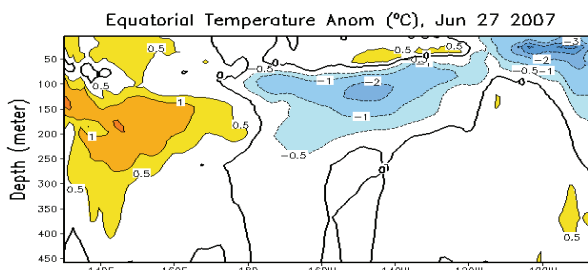
Jun 2007

**SEA SURFACE TEMPERATURE
ANOMALIES, JUN 2007**

Taking into account the present Equatorial Pacific Ocean cooling, as well as the result of several numerical models simulation, is anticipated that, during the next months in the sector of the Eastern Pacific and Central the sea temperature would continue below its normal value.



At Subsurface level below the thermocline in the Equatorial Pacific Central-Oriental, during June a reduction of the water body was observed with negative anomalies, appearing small patches with positive anomalies that move near the surface towards the eastern edge of the Pacific. At the end of the month the subsurface negative anomalies in the Southeastern Pacific intensify again, whereas in the Western Pacific, to the east of the date line appears in the level of 200m a nucleus with positive anomalies of 1,0°C. The Mean Sea Level (MSL) in the Southeasters Pacific during June, fluctuated near its normal patterns for the month in front the coasts of Ecuador and Peru; towards the center-south of Chile (Coquimbo to Talcahuano), the anomalies were up to -10,0



SUBSUPERFICIAL TEMPERATURE ANOMALIES

Perspective for the next weeks

GLOBAL

Taking into account the predictions from several numerical models, as well as the present behaviour of the main oceanic and atmospheric indicators in the Tropical Pacific Ocean, is considered that the Equatorial Pacific continues in phase of transition between the neutral condition and the entrance to a cold period in the Eastern and coastal Equatorial Pacific in the next months.

REGIONAL

According to 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, esteem that during the next month, stays the cooling of the SST in the Eastern and coastal Equatorial Pacific, whereas the temperature of the air would slightly exhibit values around or below its normal; as far as the MSL would slightly continue below its average value with tendency to maintain the anomalies negative and with respect to rains, will present an accumulated distribution according to the normal, specially for the Pacific coast of Colombia and North coast of Ecuador; whereas for the rest of the region the tendency is of precipitations below the normal value.

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