

EXTREME VARIATIONS IN THE POSITION OF INTERTROPICAL CONVERGENCE ZONE OVER THE SOUTHERN MARITIME CONTINENT

*Tercio Ambrizzi¹, Ana Carolina Vazques Freitas², Cristiano Prestelo Oliveira³, Luis Aimola

1. USP University of Sao Paulo, 2. UNIFEI Federal University of Sao Paulo, 3. UFRN Federal University of Natal

This work investigates the extreme variations in the position of the Intertropical Convergence Zone (ITCZ) over the Southern Maritime Continent region in austral spring during the period 1979-2015. The extreme variations of the southern boundary of major tropical convection presents great correlations with a meridional Sea Surface Temperature (SST) gradient and Indian Ocean Dipole events.

Keywords: INTERTROPICAL CONVERGENCE ZONE, SOUTHERN MARITIME CONTINENT, EL NINO/SOUTHERN OSCILLATION