

LOW ENERGY GAMMA RAYS MEASUREMENTS DURING JANUARY TO FEBRUARY 2017 IN SÃO JOSÉ DOS CAMPOS, SP, BRAZIL REGION

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ABSTRACT

During the month of January 2017, the region of São José dos Campos, SP, Brazil, was affected by abnormal rainfalls of twice the historical average recorded in this place. However in the month of February of 2017 this same region suffered very high temperatures and very low presence of rains. In that period the intensity of natural γ - radiation between 200 keV-10.0 MeV at a fixed altitude of 25 meters above the ground with a sampling intervals of 1 minute. In the same place was measured also every minute. The dynamics of the measured gamma radiation and rainfall intensity during the period are analysed in this paper and supposed phenomena involved in this correlation are discussed.

KEYWORDS: Rainfall, Gamma Radiation, Meteorological Parameters