

ASSESSMENT OF RADON GAS AND RAINFALL MEASUREMENTS IN SAO JOSE DOS CAMPOS, SP, BRAZIL

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ABSTRACT

The objective of this article was to explain the monitoring of intensity of the radon gas in the soil/air interface of earth. The physics laboratory and the ACA tower are both located at the Technological Institute of Aeronautics (ITA) have been chosen like monitoring site. During the period of 04/09/2018 to 02/01/2019 monitoring was made in the region of São José dos Campos, SP, Brazil. Radon gas is present on every land surface, accounting for approximately half of the ionizing radiation exposed to humans. To monitor the intensity of radon gas, the detector was used as Radon Eye RD200, where the intensity was obtained in the range of 0 to 2.0 pCi/l every hour. The results obtained from these experimental observations as well as discussions and suggestions are presented in this article.

KEYWORDS: Monitoring, Aeronautics & Radon gas.