

Thermoluminescence Studies of Dergaon Meteorite

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ABSTRACT:

A multiple fall of stony meteorite occurred near the town of Dergaon in Assam, India, on March 2, 2001. Preliminary Mineralogical and Petrologic studies suggested that the meteorite belongs to the H5 Group. Here in this paper we represent Thermoluminescence studies of Dergaon meteorite in order to have its thermal history. The given work consists of an estimation of the quantitative characteristics of thermal and /or shock thermal influence on substance of this meteorite as well as degree of structural change in matter during formation and subsequent evolution of their parent bodies. Here we get the intensity of TL glow in equilibrium changes more than two order of magnitude.

Keywords: Meteorite, Thermoluminescence

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