

# Metadata Details

**Title**

Seismic Investigations on the Ice-shelf Near Dakshin Gangotri, Antarctica.

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**Science Keywords**

Category	Paleoclimate
Topic	Seismology
Expedition Year	1984-1985   1984-1985
<b>ISO Topic</b>	Seismology

**Summary****Abstract**

The results of the seismic investigations around the Indian base station in Antarctica have established the efficacy of the seismic reflection methods in delineating sub-shelf structures. The results of the seismic interpretation, in conjunction with those obtained from magnetic studies, have led to the proposition of a structural model describing the thicknesses of ice-shelf and underlying water and glacial sediment layers above the basement. This model explains a number of geomorphological features in the region.

**Purpose**

The seismic records were interpreted in conjunction with the results obtained from the magnetic survey and based on this interpretation a structural model of the ice-shelf around the Indian Permanent Station has been proposed.

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**Data Center**