

Metadata Details

Title

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

Science Keywords

Category	Paleoclimate
Topic	Seismology
Expedition Year	1984-1985 1984-1985
ISO Topic	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.

Data Center