

## 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 <br> 1984-1985 |
| ISO Topic       | Seismology               |

### Summary

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#### 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