

Metadata Details

Title

A Study of Dakshin Gangotri Ice-shelf.

Science Keywords

Category	Cryosphere
Topic	Snow/Ice
Expedition Year	1983-1984
ISO Topic	Meteorology

Summary

Abstract

The part of the ice shelf where Indian station Dakshin Gangotri is located forms part of an unnamed ice-shelf. Snow studies pertaining to this ice-shelf, carried out during 1983-'85 and the studies carried out in the past. During the period of study, the central part of this ice-shelf, where Dakshin Gangotri is located, experienced severe blizzards and substantial amount of snow accumulation. The net snow accumulation in this region is 70 to 80 cm/year. This part is a fairly stable ice-shelf, the rate of flow of which is not very appreciable. Measurements on ice thickness, carried out in the past, indicate the average thickness in the region of the station as about 390 m.

Purpose

The area where Dakshin Gangotri is located forms part of an unnamed ice-shelf. Some snow studies pertaining to this ice-shelf have been carried out in the past (Korotkevich, 1978; Richter and Strauch, 1982). In order to understand further this shelf for planning future explorations, snow studies pertaining to this shelf was taken up by the author during 1983-85.

Data Center