

Metadata Details

Title

Infrasonic Observations at Antarctica.

Science Keywords

Category	Solid Earth
Topic	Radio Wave
Expedition Year	1982-1983
ISO Topic	Meteorology

Summary

Abstract

This is a report on microbarograph observations at Antarctica with the Indian Scientific Expedition of 1982-83. The general features are described and specific effects of magnetic disturbances as compared to observations taken in India are highlighted. Some earthquake and explosion effects are also indicated.

Purpose

The Second Indian Scientific Expedition Team to Antarctica (1982-83) set up a base camp at 69°05'S, 110°55'E and carried out various experiments with ground based instruments for a period of nearly 40 days from 8 Jan. to 18 Feb., 1983. One microbarograph was set up by NPL group primarily for studying magnetic disturbance effects near the auroral zone, for comparing the earlier findings with microbarographs that are in operation for several years at NPL, New Delhi and at NGRI, Hyderabad. The microbarographs at Delhi, Hyderabad and Antarctica are of identical type, the elements being condenser microphone type, with a frequency response of 0.001 to 2 Hz.

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