

Metadata Details

Title

Some Interesting Features of the Infrasonic Observation carried out during the Fifth Indian Antarctic Expedition (1985-86).

Science Keywords

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| Category | Solid Earth |
| Topic | Geomagnetism |
| Expedition Year | 1985-1986 |
| ISO Topic | Geodesy |

Summary

Abstract

Microbarograph observations taken at Antarctica in conjunction with the other observations there, as well as in India, have been reported. One significant feature noted during this Expedition, in a sunspot minimum year, as compared to the Second Indian Expedition when the sunspot activity was higher is that the generation of infrasonic waves in the sub-storm and their propagation to the lower latitude were inhibited.

Purpose

The Fifth Indian Scientific Expedition team to Antarctica (1985-86) set up a base camp at 70° 06'S, 12° 00'E and carried out various experiments with ground based instruments for a period of nearly sixty days from 29 Dec , 1985 to 27 Feb., 1986. One microbarograph station was set up by National Physical Laboratory (NPL) group primarily for studying magnetic disturbance effects near the auroral zone. Some salient features on Antarctic observations have been reported earlier (Venkatachari et al., 1984). Some interesting infrasonic features observed at Antarctica during the Expedition are reported here.

Data Center