

Metadata Details

Title

Typical Meteorological and Oceanological Situations Encountered during the Fifth Indian Scientific Expedition to Antarctica (1985-86).

Science Keywords

Category	Solid Earth
Topic	Platform Characteristics
Expedition Year	1985-1986
ISO Topic	Meteorology

Summary

Abstract

During the Fifth Indian Scientific Expedition to Antarctica, round the clock marine meteorological data was collected during the passage of the ship to and fro Antarctica, including the stay in polynya near Dakshin Gangotri. The paper highlights some of the prominent meteorological conditions encountered including the two typical storms on the return journey.

Purpose

Fifth Indian Scientific Expedition on board MV Thuleland sailed for Antarctica on 30 Nov. 85 from Marmugoa harbour. During the passage to Antarctica from 30 Nov. to 24 Dec. 85 and return passage from 03 Mar. to 24 Mar. 86, the following typical meteorological and oceanological conditions were experienced:- I. Intense low pressure area on 15 Dec. 85 in Southern Ocean. II. Thick pack ice. III. Thick fog causing reduction in visibility on 07 Mar. and 08 Mar. 86. IV. Tropical storms 'Horoninia' and 'Irimma'. The above mentioned meteorological and oceanological situations are discussed in this report.

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