

# Metadata Details

## Title

Radio wave Transmission Characteristics in Antarctica

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## Science Keywords

|                 |             |
|-----------------|-------------|
| Category        | Solid Earth |
| Topic           | Radio Wave  |
| Expedition Year | 1981-1982   |
| ISO Topic       | Meteorology |

## Summary

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### Abstract

The preliminary results of observations on studies on radio propagation in the upper atmosphere during the First Indian Antarctic Expedition are reported in this paper. The studies made were mainly on high latitude D-region using VLF observation, atmospheric radio noise, VHFTV signal propagation, HF propagation and communication aspects.

### Purpose

VLF propagation studies  
Measurement of Atmospheric Radio Noise Field Strength (ARNFS)  
VHF long distance propagation experiment  
HF propagation time delay studies  
HF radio communication on board the ship

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## Data Center