

# Metadata Details

## Title

Ice Core Drilling in coastal region of the Ice Shelf near Dakshin Gangotri station, East Antarctica

---

## Science Keywords

Category	Paleoclimate
Topic	Cryosphere
Expedition Year	2007-2008
ISO Topic	Major ions

## Summary

---

### Abstract

Ice core provide one of the most direct climatic proxy records. Ice core are cylinders of ice drilled out from ice sheet or glaciers. Ice cores contain an abundance of information about climate. Inclusions in the snow of each year remain in the ice, such as wind-blown dust, ash, bubbles of atmospheric gas and radioactive substances. An ice core from the right site can be used to reconstruct an uninterrupted and detailed climate record extending over hundreds of thousands of years, providing information on a wide variety of aspects of climate at each point in time. These recorded atmospheric signatures in the ice make the ice cores such a powerful tool in paleoclimate research. Ice core division of NCAOR has collected several ice cores from coastal Dronning Maud Land, East Antarctica. The details of the ice cores collected and the parameters analysed are presented here.

### Purpose

The aim of the ice core database is to improve the accessibility of the data to researchers, scientific administration and policy makers.

---

## Data Center