

## Metadata Details

### Title

IND 36/B9 ICE CORE DATA FROM DJUPRANEN ICE RISE IN CENTRAL DRONNING MAUD LAND, EAST ANTARCTICA

---

### Science Keywords

Category	Cryosphere
Topic	Glaciers/Ice Sheets
Expedition Year	2016-2017
<b>ISO Topic</b>	Major ions

### Summary

---

#### Abstract

As part of the Indo-Norwegian project MADICE, a 122 m long ice core was retrieved from the central DML region (location: 70.18 S and 9.18 E; elevation: 321 m a.s.l.). We performed line-scan imaging and isotopic and chemical analyses of the top 50 m section of the ice core. The line-scan images were used to assess Visual Stratigraphy as a proxy for annual layer counting in the firm section and to calculate melt history. We show that the age-depth model based on the reconstructed VS profile revealed an excellent match with identified time-markers within an uncertainty of 2 years.

#### Purpose

The ice core database aims to improve the accessibility of the data to researchers, scientific administration, and policymakers

---

### Data Center