

Oden Southern Ocean 2007/08 - Meteorological, Oceanographic and Ship Data Collected Onboard Icebreaker Oden during November 2007 through January 2008

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Is part of collection at SND: [Icebreaker Oden](#)

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ECDS 0202-001-V1.0.zip (23.23 MB)

Associated documentation

ECDS 0202-001 oso0708ctdsmall.png (1.83 MB)

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Citation

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Creator/Principal investigator(s)

Swedish Polar Research Secretariat

Research principal

[Swedish Polar Research Secretariat](#)

Description

During the 2007/08 season, the Swedish icebreaker Oden worked in Antarctica for the second time.

The US research council National Science Foundation chartered Oden from the Swedish Maritime Administration and the Swedish Polar Research Secretariat to break the ice outside the Antarctic station McMurdo by the Ross Sea.

Oden left Landskrona 19 October 2007, crossed the Atlantic Ocean and bunkered in South America. The research party embarked in Punta Arenas, Chile, and the ship left for Antarctica on 29 November 2007. 20 days was dedicated to marine science – mainly sampling – on the cruise from South America to the Antarctic. Oden reached McMurdo 7 January 2008 and the expedition participants flew to New Zealand for further travelling home. The icebreaker came back to Sweden in March.

The Swedish Polar Research Secretariat was in charge of expedition management, information technology and medical care onboard.

This data set contains meteorological, oceanographic and ship data collected during the American-Swedish expedition Oden Southern Ocean 2007/08, which was an international research cruise using the icebreaker Oden. The expedition embarked from Landskrona, Sweden on October 19 2007 and arrived in McMurdo Januari 8 2008.

Data include meteorological variables: Air temperature, Humidity, Wind direction/speed, Atmospheric pressure.

Oceanographic variables: Sea water temperature, Conductivity, Salinity and Sound velocity.

Ship data: Position, Speed, Course, Water depth.

Quality Information:

Obviously erroneous data (e.g. negative air pressure) have been omitted. No other processing or quality check of the data has been undertaken. Users should be aware of this in further data handling and analysis.

Data contains personal data

No

Language

[English](#)

Time period(s) investigated

2007-11-30 – 2008-01-03

Data format / data structure

[Numeric](#)

[Geospatial](#)

Data collection 1

- Mode of collection: Field observation
- Description of the mode of collection: Meteorological and oceanographic measurements
- Time period(s) for data collection: 2007-11-30 – 2008-01-03

Geographic spread

Geographic location: [Ross Sea](#), [Southern Ocean](#)

Research area

[Engineering and technology](#) (Standard för svensk indelning av forskningsämnen 2011)

[Environmental sciences](#) (Standard för svensk indelning av forskningsämnen 2011)

[Meteorology and atmospheric sciences](#) (Standard för svensk indelning av forskningsämnen 2011)

[Oceanography, hydrology and water resources](#) (Standard för svensk indelning av forskningsämnen 2011)

[Climatology / meteorology / atmosphere](#) (INSPIRE topic categories)

[Oceans](#) (INSPIRE topic categories)

Keywords

[Meteorology](#), [Atmosphere](#), [Atmospheric temperature](#), [Air temperature](#), [Atmospheric water vapor](#), [Humidity](#), [Atmospheric pressure](#), [Sea level pressure](#), [Oceans](#), [Salinity](#), [Conductivity](#), [Density](#), [Ocean temperature](#), [Water temperature](#), [Water depth](#), [Seafloor topography](#), [Bathymetry](#), [The icebreaker oden](#)

Publications

Link to publication list:

[Publications and data](#)

If you have published anything based on these data, [please notify us](#) with a reference to your publication(s). If you are responsible for the catalogue entry, you can update the metadata/data description in DORIS.

Polygon (Lon/Lat)

-70.3, -54.2

-70.3, -80.1

8.8, -80.1

8.8, -54.2

-70.3, -54.2

Accessibility level

Access to data through SND

Data are freely accessible

Use of data

[Things to consider when using data shared through SND](#)

License

[CC BY 4.0](#)

Versions

Version 1.0. 2017-09-12

Homepage

[Study homepage](#)

Contact for questions about the data

Ulf Jonsell

Related research data in SND's catalogue

[Oden Southern Ocean 2007/08 - Conductivity-Temperature-Depth \(CTD\) Data Collected Onboard Icebreaker Oden during November 2007 through January 2008](#)

[Oden Southern Ocean 2008/09 - Meteorological, Oceanographic and Ship Data Collected Onboard Icebreaker Oden during November 2008 through January 2009](#)

[Oden Southern Ocean 2008/09 - Conductivity-Temperature-Depth \(CTD\) Data Collected Onboard Icebreaker Oden during November 2008 through January 2009](#)

[Meteorological, Oceanographic and Ship Data Collected Onboard Icebreaker Oden during the Oden Southern Ocean 2010/11 Expedition](#)

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