

SAS 2021 - Meteorological, Oceanographic and Ship Data Collected Onboard Icebreaker Oden

SND-ID: 2021-123-1. **Version:** 1. **DOI:** <https://doi.org/10.48515/0v1w-8958>

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

Download data

Oden_Ship_Data_SAS2021.zip (102.75 MB)

Associated documentation

Odendata Parameterlista SAS2021.pdf (505.28 KB)

SAS2021_route.jpg (319.42 KB)

Download all files

2021-123-1-1.zip (~103.56 MB)

Citation

(2022) SAS 2021 - Meteorological, Oceanographic and Ship Data Collected Onboard Icebreaker Oden (Version 1) [Data set]. Swedish Polar Research Secretariat. Available at: <https://doi.org/10.48515/0v1w-8958>

Creator/Principal investigator(s)

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Research principal

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Description

The Synoptic Arctic Survey 2021 was a research expedition on board the Swedish icebreaker Oden to the High Arctic. The data presented here are the meteorological, oceanographical and ship data collected onboard Oden during the expedition.

This data set contains meteorological, oceanographical and ship data collected onboard IB Oden during the expedition Synoptic Arctic Survey 2021, which was an international research cruise to the Arctic Ocean.

Meteorological variables: Air temperature, Humidity, Wind direction/speed, Atmospheric pressure, Cloud height/cloudiness, Photosynthetic Active Radiation (PAR).

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

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

A "Parameter list" which describes the dataset is attached.

Quality Information: No quality check or other processing 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

2021-07-25 – 2021-09-19

Variables

669

Data format / data structure

[Text](#)

Data collection 1

- Mode of collection: Physical measurements and tests
- Description of the mode of collection: IB Oden's own developed data collection method "Nyval17"
- Time period(s) for data collection: 2021-07-25 – 2021-09-19
- Temporal resolution: 1 minute

Geographic spread

Geographic location: [Arctic Ocean](#), [Arctic](#)

Responsible department/unit

Ship-Based Research Support

Research area

[Earth and related environmental sciences](#) (Standard för svensk indelning av forskningsämnen 2011)

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

[Geoscientific information](#) (INSPIRE topic categories)

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

[Oceans](#) (INSPIRE topic categories)

[Location](#) (INSPIRE topic categories)

Keywords

[Science keywords](#), [Atmosphere](#), [Atmospheric winds](#), [Wind speed](#), [Wind direction](#), [Visibility](#), [Weather events](#), [Atmospheric temperature](#), [Air temperature](#), [Precipitation amount](#), [Precipitation rate](#), [Humidity](#), [Cloud frequency](#), [Cloud base height](#), [Atmospheric pressure](#), [Sea level pressure](#), [Atmospheric pressure measurements](#), [Salinity/density](#), [Salinity](#), [Conductivity](#), [Photosynthetically active radiation](#), [Water temperature](#), [Water depth](#), [Atmospheric conditions](#), [Coordinate reference systems](#), [Hydrography](#), [Meteorological geographical features](#), [Oceanographic geographical features](#)

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. 2022-10-07

Homepage

[Swedish Polar Research Secretariat](#)

Contact for questions about the data

Fartyg Datamanager

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Is part of collection at SND

[Icebreaker Oden](#)

Download metadata

[DataCite](#)

[DDI 2.5](#)

[DDI 3.3](#)

[DCAT-AP-SE 2.0](#)

[JSON-LD](#)

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[File overview \(CSV\)](#)

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