

Search and download

Kathrin Riemann-Campe



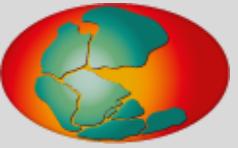
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Data Publisher for Earth &
Environmental Science.





1. Several approaches to search the data base
2. Download of search results
3. Documentation/Help
4. Quiz

Several approaches to search the data base



1. Several approaches to search the data base

- technical background
- via keywords
- via map
- via geographical coordinates
- via data warehouse
- specific features



Search: technical background

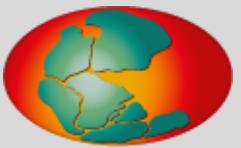
Query: [not](#)

String comparison slow!

Solution: [Inverted index](#)

c:\docs\einstein.txt:
The important thing is not to
questioning.

c:\docs\shakespeare.txt:
To be or not to be.



Search: Inverted Index

328

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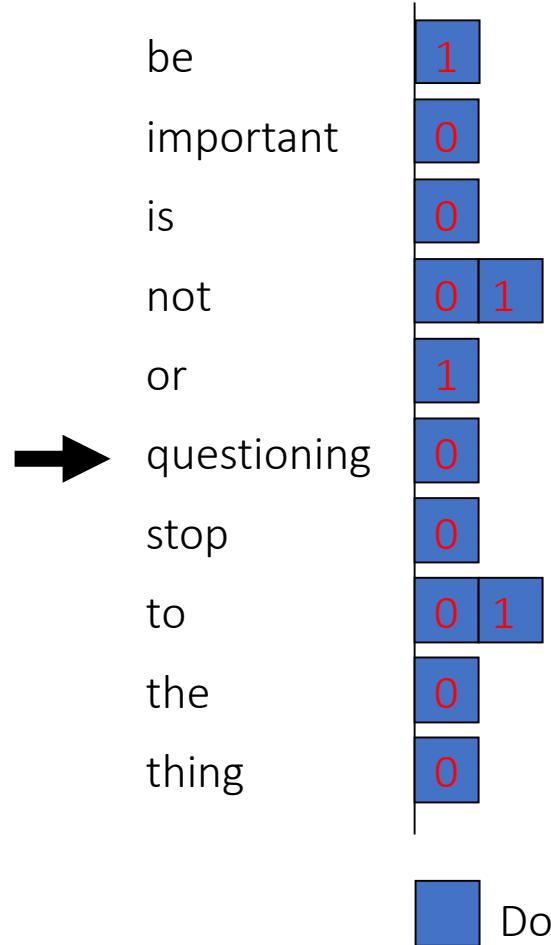
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Search: Inverted Index

Inverted index



Query: **not**

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The important thing is not to
stop questioning.

c:\docs\shakespeare.txt: 1

To be or not to be.



Search via keywords

- start with any keyword in search panel

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SEARCH **SUBMIT** **HELP** **ABOUT** **CONTACT**

Submit Data

TOPICS

- CHEMISTRY** (72629)
- LITHOSPHERE** (49578)
- OCEANS** (22067)
- ECOLOGY** (20261)
- CRYOSPHERE** (1731)
- LAKES & RIVERS** (800)

MAP

ALL TOPICS ▾

MOSAIC

- MOSAIC
- MOSAIC team ECO
- MOSAIC20192020_Drift_Winter
- @MOSAICPO
- MOSAIC_HELI
- MOSAIC_PO
- MOSAIC_expedition
- MOSAIC ACA
- MOSAIC_ICE
- MOSAIC20192020
- MOSAIC_ATMOS
- MOSAIC_ECO

LAND SURFACE (8271) **BIOSPHERE** (4462) **GEOPHYSICS** (4119)

ECOSPHERE **HUMAN DIMENSIONS** **FISHERIES** (301) **AGRICULTURE** (147)

Welcome to PANGAEA® Data Publisher

Our services are generally open for archiving, publishing, and re-use of data. The World Data Center PANGAEA is member of the World Data System.

Latest News

2023-05-02 **REGISTRATION IS OPEN! PANGAEA / DE.NBI - COMMUNITY WORKSHOP: FINDING AND RETRIEVING DATA FROM PANGAEA**

PANGAEA This hands-on workshop focuses on finding and using datasets already published on PANGAEA. It gives an in-depth introduction to various methods of systematically finding desired datasets for one's particular task and making them available for further use and analysis, i.e. in typical VRE like Jupiter. You are invited to join online May 11 and 12 2023, each at 10:30am - 12:30am CEST (UTC+2)

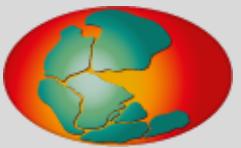
2023-01-20 **ATLANTIC 'BLUEPRINT' FOR ASSESSING ECOSYSTEM STATUS PUBLISHED**

PANGAEA contributes to new Atlantic perspective paper in the journal Communications Earth & Environment, outlining how international scientific partnership, pooled resources and shared ambition can deliver the information to better manage and protect ecosystems in the deep and open ocean.

Show all 62 news items...

Featured Data

Matevski, D; Glatthorn, J; Foltran, EC (2022): Leaf damage data on European beech leaves from saplings and mature trees from Lower Saxony, Germany in 2019
 <https://doi.org/10.1594/PANGAEA.949421>



Search via keywords

- start with any keyword in search panel

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ALL TOPICS

SEARCH SUBMIT HELP ABOUT CONTACT

SHOW MAP GOOGLE EARTH DATA WAREHOUSE

Filter by...

Dataset Author

- Nicolaus, Marcel (1887)
- Katlein, Christian (1852)
- Rohde, Jan (1776)
- Anhaus, Philipp (1767)
- Regnery, Julia (1759)
- Arndt, Stefanie (1754)
- Matero, Ilkka (1748)
- Lange, Benjamin Allen (1740)
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Dataset Publication Year

- 2023 (1032)
- 2022 (1357)
- 2021 (447)
- 2020 (76)
- 2019 (2)

Topic

- Ecology (1139)
- Environmental Sciences (1139)
- Chemistry (180)
- Organic Chemistry (106)
- Atmosphere (85)
- Inorganic Chemistry (75)
- Geosciences, Multidisciplinary (32)
- Lithosphere (32)
- [more...](#)

Project

- MOSAiC (3686)
- AWI_Sealce (1844)
- FRAM (1744)
- AC3 (324)
- IceSense (196)
- meereisportal.de (163)
- INTAROS (52)
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- [more...](#)

3686 datasets found on search for »MOSAiC« with facet filters

< 1 2 3 4 5 6 7 8 9 10 >

1. Stephens, M (2022): Beryllium-7 concentrations in snow, ice, seawater, and aerosols during the MOSAiC expedition
Size: 4 datasets
<https://doi.org/10.1594/PANGAEA.945414> - Score: 53.98

2. Li, T; Zhu, J; Zhai, L (2021): Drift Towing Ocean Profiler (DTOP) data on sea ice, meteorological conditions and drift of sea ice from buoy 2019V5, deployed during MOSAiC 2019/20
Size: 2 datasets
<https://doi.org/10.1594/PANGAEA.937956> - Score: 44.21

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4. Li, T; Zhu, J; Zhai, L (2021): Drift Towing Ocean Profiler (DTOP) data on sea ice, meteorological conditions and drift of sea ice from buoy 2019V4, deployed during MOSAiC 2019/20
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Size: 2 datasets
<https://doi.org/10.1594/PANGAEA.937944> - Score: 44.18

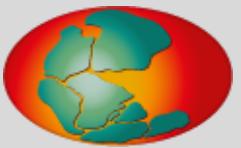
6. Lei, R; Cheng, B; Hoppmann, M et al. (2021): Temperature and heating induced temperature difference measurements from SIMBA-type sea ice mass balance buoy 2019T67, deployed during MOSAiC 2019/20
Size: 4 datasets
<https://doi.org/10.1594/PANGAEA.938128> - Score: 44.17

7. Lei, R; Cheng, B; Hoppmann, M et al. (2021): Temperature and heating induced temperature difference measurements from SIMRA-type sea ice mass balance buoy

Map Satellite

To create a new geographic search coverage, use the buttons and input fields to enter coordinates below. The GPS button (top-left of wind rose) selects the area around your current location. For using the map, select the viewport button (top-right of wind rose) and drag or zoom the bounding rectangle on its borders. You can also select a date range by entering a start/end date. Press "Apply" to restrict current search results!

Google Keyboard shortcuts Map Data 2000 km Terms of Use



Search via keywords

- start with any keyword in search panel
- refine with facet filter

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ALL TOPICS MOSAiC 

SEARCH SUBMIT HELP ABOUT CONTACT

Filter by...

3686 datasets found on search for »MOSAiC« with facet filters

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Map Satellite 

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Start date: YYYY-MM-DD  

End date: YYYY-MM-DD  





Search via keywords

- start with any keyword in search panel
- refine with facet filter
 - some filters can be checked and unchecked: e.g. “Project”
 - some filters can be selected and removed via upper left hand panel

The screenshot shows the PANGAEA search results page for the query "MOSAiC". The top navigation bar includes "ALL TOPICS" (circled in red), "MOSAiC" (circled in red), "SEARCH", "SUBMIT", "HELP", "ABOUT", and "CONTACT". Below the search bar, it says "17 datasets found on search for »MOSAiC« with facet filters". On the left, there's a "Filter by" sidebar with sections for "Dataset Author", "Dataset Publication Year", "Project" (with "MOSAiC" checked and circled in red), "Method/Device", and "Campaign". The main content area lists 17 datasets, each with a title, a brief description, a link, and a score. To the right is a map search interface with "Map" and "Satellite" options, and a "Google" search bar.

Rank	Dataset Title	Description	Score
1	Macfarlane, AR; Schneebeli, M; Dadic, R et al. (2021): Snowpit raw data collected during the MOSAiC expedition	Related to: Nicolais, M; Perovich, DK; Spreen, G et al. (2022): Overview of the MOSAiC expedition: Snow and sea ice.	22.05
2	Wagner, DN; Jaggi, M; Macfarlane, AR et al. (2021): Snow water equivalent retrievals from SnowMicroPen data from MOSAiC Leg 1 - Leg 3	Size: 9021 data points	15.58
3	Mellat, M; Meyer, H; Brunello, CF et al. (2022): Stable water isotopes of snow during MOSAiC expedition	Size: 2717 data points	15.53
4	Macfarlane, AR; Schneebeli, M; Dadic, R et al. (2022): Snowpit stable isotope profiles during the MOSAiC expedition	Related to: Mellat, M; Meyer, H; Brunello, CF et al. (2022): Stable water isotopes of snow during MOSAiC expedition.	4.12
5	Macfarlane, AR; Schneebeli, M; Dadic, R et al. (2022): Snowpit surface type observed during the MOSAiC expedition	Size: 31.4 kBytes	3.63
6	Macfarlane, AR; Schneebeli, M; Dadic, R et al. (2021): Snowpit SnowMicroPen (SMP) force profiles collected during the MOSAiC expedition	Size: 37781 data points	3.61
7	Macfarlane, AR; Schneebeli, M; Dadic, R et al. (2022): Snow permittivity measured during the MOSAiC expedition	Size: 38.5 kBytes	3.61
8	Macfarlane, AR; Schneebeli, M; Dadic, R et al. (2022): Snowpit near-infrared (NIR) images collected during the MOSAiC expedition	Size: 17011 data points	3.61



Search via keywords

- all keywords in search panel are automatically combined with “AND”
- NOTE: usage of **search panel** needs clear specification to gain same results as **facet filter**
- result:
17 vs. 20
data sets

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MOSAiC "arndt, stefanie" polarstern "snow pit"

SEARCH SUBMIT HELP ABOUT CONTACT

SHOW MAP GOOGLE EARTH DATA WAREHOUSE

Filter by...

Dataset Author

- Macfarlane, Amy R (19)
- Schneebeli, Martin (19)
- Arndt, Stefanie (18)
- Jaggi, Matthias (18)
- Oggier, Marc (17)
- Raphael, Ian (17)
- Dadic, Ruzica (16)
- Hämmerle, Stefan (16)
- more...

Dataset Publication Year

- 2022 (14)
- 2021 (6)

Topic

- Cryosphere (1)

Project

- MOSAiC (20)
- ARICE (17)
- HAVOC (1)
- SPP1158 (1)

Method/Device

- Snow pit (19)
- Olympus Tough TG-5 Camera (2)
- SnowMicroPen (2)
- Calculated after Dansgaard (1964) (1)
- Camera, Near-InfraRed (1)
- Corrected (1)
- Garmin GPSmap 62sc (GPS) (1)
- Ice corer (1)
- more...

Campaign

20 datasets found on search for »MOSAiC "arndt, stefanie" polarstern "snow pit"«

< 1 2 >

1. Macfarlane, AR; Schneebeli, M; Dadic, R et al. (2021): Snowpit raw data collected during the MOSAiC expedition
Related to: Nicolaus, M; Perovich, DK; Spreen, G et al. (2022): Overview of the MOSAiC expedition: Snow and sea ice.
Size: 15 datasets
<https://doi.org/10.1594/PANGAEA.935934> - Score: 82.52
2. Itkin, P; Webster, M; Hendricks, S et al. (2021): Magnaprobe snow and melt pond depth measurements from the 2019-2020 MOSAiC expedition
Size: 12 data points
<https://doi.org/10.1594/PANGAEA.937781> - Score: 58.89
3. Mellat, M; Meyer, H; Brunello, CF et al. (2022): Stable water isotopes of snow during MOSAiC expedition
Size: 2717 data points
<https://doi.org/10.1594/PANGAEA.948511> - Score: 51.79
4. Wagner, DN; Jaggi, M; Macfarlane, AR et al. (2021): Snow water equivalent retrievals from SnowMicroPen data from MOSAiC Leg 1 - Leg 3
Size: 9021 data points
<https://doi.org/10.1594/PANGAEA.927460> - Score: 51.29
5. Lange, BA; Salganik, E; Macfarlane, AR et al. (2022): Ridge snow oxygen and hydrogen isotope data MOSAiC Leg 4 (PS122/4)
Related to: Lange, BA; et al.: Snowmelt contributes to Arctic first-year ice ridge mass balance and rapid consolidation during summer melt. *Elementa - Science of the Anthropocene*
Smith, MM; et al.: Quantifying false bottoms and under-ice meltwater layers beneath Arctic summer sea ice with fine-scale observations. *Elementa - Science of the Anthropocene*
Size: 387 data points
<https://doi.org/10.1594/PANGAEA.943744> - Score: 39.45
6. Macfarlane, AR; Schneebeli, M; Dadic, R et al. (2022): Snowpit temperature profiles measured during the MOSAiC expedition
Size: 126.6 kBytes

Map Satellite

Geospatial shortcuts Map Data 2000 km Terms of Use

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Start date: YYYY-MM-DD Clear
End date: YYYY-MM-DD Apply

Search via keywords



facet filter

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ALL TOPICS MOSAIC

SEARCH SUBMIT HELP ABOUT CONTACT

Filter by...

17 datasets found on search for »MOSAiC« with facet filters

< 1 2 >

Dataset Author: Arndt, Stefanie x; Polarstern x; Snow pit x

Dataset Publication Year: MOSAiC (17) x; ARICE (15)

Project: MOSAiC (17) x; ARICE (15)

Method/Device: Olympus Tough TG-5 Camera (2) x; SnowMicroPen (2) x; Calculated after Dansgaard (1964) (1) x; Camera, Near-InfraRed (1) x; Corrected (1) x; Garmin GPSmap 62sc (GPS) (1) x; Ice corer (1) x; Mass spectrometer Finnigan MAT Delta Plus (ISOLAB) (1) x; more...

Campaign: PS122/2 (16) x; PS122/3 (16) x; PS122/4 (15) x; PS122/5 (14) x; PS122/1 (13) x

1. Macfarlane, AR; Schneebeli, M; Dadic, R et al. (2021): Snowpit raw data collected during the MOSAiC expedition
Related to: Nicolaus, M; Perovich, DK; Spreen, G et al. (2022): Overview of the MOSAiC expedition: Snow and sea ice.
Size: 15 datasets
DOI: <https://doi.org/10.1594/PANGAEA.935934> - Score: 22.05

2. Wagner, DN; Jaggi, M; Macfarlane, AR et al. (2021): Snow water equivalent retrievals from SnowMicroPen data from MOSAiC Leg 1 - Leg 3
Size: 9021 data points
DOI: <https://doi.org/10.1594/PANGAEA.927460> - Score: 15.58

3. Mellat, M; Meyer, H; Brunello, CF et al. (2022): Stable water isotopes of snow during MOSAiC expedition
Size: 2717 data points
DOI: <https://doi.org/10.1594/PANGAEA.948511> - Score: 15.53

4. Macfarlane, AR; Schneebeli, M; Dadic, R et al. (2022): Snowpit stable isotope profiles during the MOSAiC expedition
Related to: Mellat, M; Meyer, H; Brunello, CF et al. (2022): Stable water isotopes of snow during MOSAiC expedition.
Size: 3510 data points
DOI: <https://doi.org/10.1594/PANGAEA.932556> - Score: 4.12

5. Macfarlane, AR; Schneebeli, M; Dadic, R et al. (2022): Snowpit surface type observed during the MOSAiC expedition
Size: 31.4 kBbytes
DOI: <https://doi.org/10.1594/PANGAEA.940198> - Score: 3.63

6. Macfarlane, AR; Schneebeli, M; Dadic, R et al. (2021): Snowpit SnowMicroPen (SMP) force profiles collected during the MOSAiC expedition
Size: 37781 data points
DOI: <https://doi.org/10.1594/PANGAEA.935554> - Score: 3.61

7. Macfarlane, AR; Schneebeli, M; Dadic, R et al. (2022): Snow permittivity measured during the MOSAiC expedition
Size: 38.5 kBbytes
DOI: <https://doi.org/10.1594/PANGAEA.940757> - Score: 3.61

8. Macfarlane, AR; Schneebeli, M; Dadic, R et al. (2022): Snowpit near-infrared (NIR) images collected during the MOSAiC expedition
Size: 17044 data points

Map Satellite

Google Map Data 2000 km Terms of Use

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Start date: YYYY-MM-DD End date: YYYY-MM-DD

Filter by...

keywords in search panel

Not logged in

PANGAEA

ALL TOPICS MOSAIC "arndt, stefanie" polarstern "snow pit"

SEARCH SUBMIT HELP ABOUT CONTACT

Filter by...

20 datasets found on search for »MOSAiC "arndt, stefanie" polarstern "snow pit"«

< 1 2 >

Dataset Author: Macfarlane, Amy R (19) x; Schneebeli, Martin (19) x; Arndt, Stefanie (18) x; Jaggi, Matthias (18) x; Oggier, Marc (17) x; Raphael, Ian (17) x; Dadic, Ruzaica (16) x; Hämmerle, Stefan (16) x; more...

Dataset Publication Year: 2022 (14) x; 2021 (6)

Topic: Cryosphere (1)

Project: MOSAiC (20) x; ARICE (17) x; HAIVOC (1) x; SPP1158 (1)

Method/Device: Snow pit (19) x; Olympus Tough TG-5 Camera (2) x; SnowMicroPen (2) x; Calculated after Dansgaard (1964) (1) x; Camera, Near-InfraRed (1) x; Corrected (1) x; Garmin GPSmap 62sc (GPS) (1) x; Ice corer (1) x; more...

Campaign: PS122/4 (15) x; PS122/5 (14) x; PS122/1 (13) x

1. Macfarlane, AR; Schneebeli, M; Dadic, R et al. (2021): Snowpit raw data collected during the MOSAiC expedition
Related to: Nicolaus, M; Perovich, DK; Spreen, G et al. (2022): Overview of the MOSAiC expedition: Snow and sea ice.
Size: 15 datasets
DOI: <https://doi.org/10.1594/PANGAEA.935934> - Score: 82.52

2. Itkin, P; Webster, M; Hendricks, S et al. (2021): Magnaprobe snow and melt pond depth measurements from the 2019-2020 MOSAiC expedition
Size: 12 data points
DOI: <https://doi.org/10.1594/PANGAEA.937781> - Score: 58.89

3. Mellat, M; Meyer, H; Brunello, CF et al. (2022): Stable water isotopes of snow during MOSAiC expedition
Size: 2717 data points
DOI: <https://doi.org/10.1594/PANGAEA.948511> - Score: 51.79

4. Wagner, DN; Jaggi, M; Macfarlane, AR et al. (2021): Snow water equivalent retrievals from SnowMicroPen data from MOSAiC Leg 1 - Leg 3
Size: 9021 data points
DOI: <https://doi.org/10.1594/PANGAEA.927460> - Score: 51.29

5. Lange, BA; Salganik, E; Macfarlane, AR et al. (2022): Ridge snow oxygen and hydrogen isotope data MOSAiC Leg 4 (PS122/4)
Related to: Lange, BA; et al.: Snowmelt contributes to Arctic first-year ice ridge mass balance and rapid consolidation during summer melt. *Elementa - Science of the Anthropocene*
Smith, MM; et al.: Quantifying false bottoms and under-ice meltwater layers beneath Arctic summer sea ice with fine-scale observations. *Elementa - Science of the Anthropocene*
Size: 387 data points
DOI: <https://doi.org/10.1594/PANGAEA.943744> - Score: 39.45

6. Macfarlane, AR; Schneebeli, M; Dadic, R et al. (2022): Snowpit temperature profiles measured during the MOSAiC expedition
Size: 126.6 kBbytes

Map Satellite

Google Map Data 2000 km Terms of Use

To create a new geographic search coverage, use the buttons and input fields to enter coordinates below. The GPS button (top-left of wind rose) selects the area around your current location. For using the map, select the viewport button (top-right of wind rose) and drag or zoom the bounding rectangle on its borders. You can also select a date range by entering a start/end date. Press "Apply" to restrict current search results!

Start date: YYYY-MM-DD End date: YYYY-MM-DD

Filter by...

Search via keywords



facet filter

PANGAEA. Not logged in

ALL TOPICS MOSAiC

SEARCH SUBMIT HELP ABOUT CONTACT

17 datasets found on search for »MOSAiC« with facet filters

Filter by...

Dataset Author: Arndt, Stefanie, Polarstern, Snow pit

Dataset Publication Year: 2022 (12), 2021 (5)

Project: MOSAiC (17), ARICE (15)

Method/Device: Olympus Tough TG-5 Camera (2), SnowMicroPen (2), Calculated after Dansgaard (1964) (1), Camera, Near-Infrared (1), Corrected (1), Garmin GPSmap 62sc (GPS) (1), Core (1), Mass Spectrometer Finnigan MAT Delta Plus (ISOLAB) (1)

Campaign: PS122/2 (16), PS122/3 (16), PS122/4 (15), PS122/5 (14), PS122/1 (13)

1. Macfarlane, AR; Schneebeli, M; Dadic, R et al. (2021): Snowpit raw data collected during the MOSAiC expedition

Related to: Nicolaus, M; Perovich, DK; Spreen, G et al. (2022): Overview of the MOSAiC expedition: Snow and sea ice.

Size: 15 datasets

<https://doi.org/10.1594/PANGAEA.935934> - Score: 22.05

2. Wagner, DN; Jaggi, M; Macfarlane, AR et al. (2021): Snow water equivalent retrievals from SnowMicroPen data from MOSAiC Leg 1 - Leg 3

Size: 9021 data points

<https://doi.org/10.1594/PANGAEA.927460> - Score: 15.58

3. Mellat, M; Meyer, H; Brunello, CF et al. (2022): Stable water isotopes of snow during MOSAiC expedition

Size: 2717 data points

<https://doi.org/10.1594/PANGAEA.948511> - Score: 15.53

4. Macfarlane, AR; Schneebeli, M; Dadic, R et al. (2022): Snowpit stable isotope profiles during the MOSAiC expedition

Related to: Mellat, M; Meyer, H; Brunello, CF et al. (2022): Stable water isotopes of snow during MOSAiC expedition.

Size: 3510 data points

<https://doi.org/10.1594/PANGAEA.932556> - Score: 4.12

5. Macfarlane, AR; Schneebeli, M; Dadic, R et al. (2022): Snowpit surface type observed during the MOSAiC expedition

Size: 31.4 kBbytes

<https://doi.org/10.1594/PANGAEA.940198> - Score: 3.61

6. Macfarlane, AR; Schneebeli, M; Dadic, R et al. (2021): Snowpit SnowMicroPen (SMP) force profiles collected during the MOSAiC expedition

Size: 37781 data points

<https://doi.org/10.1594/PANGAEA.935554> - Score: 3.61

7. Macfarlane, AR; Schneebeli, M; Dadic, R et al. (2022): Snow permittivity measured during the MOSAiC expedition

Size: 38.5 kBbytes

<https://doi.org/10.1594/PANGAEA.940757> - Score: 3.61

8. Macfarlane, AR; Schneebeli, M; Dadic, R et al. (2022): Snowpit near-infrared (NIR) images collected during the MOSAiC expedition

Size: 17044 data points

keywords in search panel

PANGAEA. ALL TOPICS

project:mosaic citation:author:arndt, stefanie basis:polarstern method:snow pit

17 datasets found on search for »project:mosaic citation:author:arndt, stefanie basis:polarstern method:snow pit«

Map Google Earth Data Warehouse

1. Macfarlane, AR; Schneebeli, M; Dadic, R et al. (2021): Snowpit raw data collected during the MOSAiC expedition

Related to: Nicolaus, M; Perovich, DK; Spreen, G et al. (2022): Overview of the MOSAiC expedition: Snow and sea ice.

Size: 15 datasets

<https://doi.org/10.1594/PANGAEA.935934> - Score: 100.64

2. Wagner, DN; Jaggi, M; Macfarlane, AR et al. (2021): Snow water equivalent retrievals from SnowMicroPen data from MOSAiC Leg 1 - Leg 3

Size: 9021 data points

<https://doi.org/10.1594/PANGAEA.927460> - Score: 60.67

3. Mellat, M; Meyer, H; Brunello, CF et al. (2022): Stable water isotopes of snow during MOSAiC expedition

Size: 2717 data points

<https://doi.org/10.1594/PANGAEA.948511> - Score: 44.49

4. Macfarlane, AR; Schneebeli, M; Dadic, R et al. (2022): Snowpit snow density cutter profiles measured during the MOSAiC expedition

Size: 68 kBbytes

<https://doi.org/10.1594/PANGAEA.940214> - Score: 16.77

5. Macfarlane, AR; Schneebeli, M; Dadic, R et al. (2022): Snowpit height measurements during the MOSAiC expedition

Size: 33.3 kBbytes

<https://doi.org/10.1594/PANGAEA.940215> - Score: 16.77

6. Macfarlane, AR; Schneebeli, M; Dadic, R et al. (2021): Snowpit SnowMicroPen (SMP) force profiles collected during the MOSAiC expedition

Size: 37781 data points

<https://doi.org/10.1594/PANGAEA.935554> - Score: 16.77

7. Macfarlane, AR; Schneebeli, M; Dadic, R et al. (2022): Snowpit surface type observed during the MOSAiC expedition

Size: 31.4 kBbytes

<https://doi.org/10.1594/PANGAEA.940198> - Score: 16.77

8. Macfarlane, AR; Schneebeli, M; Dadic, R et al. (2022): Snow permittivity measured during the MOSAiC expedition

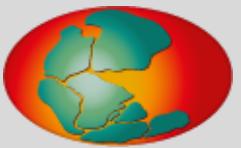
Size: 38.5 kBbytes

<https://doi.org/10.1594/PANGAEA.940757> - Score: 16.7

9. Macfarlane, AR; Schneebeli, M; Dadic, R et al. (2022): Snowpit metadata TXT files collected during the MOSAiC expedition

Size: 305 data points

<https://doi.org/10.1594/PANGAEA.940106> - Score: 16.4



Search via keywords

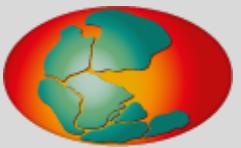
keywords in search panel reflecting facet filter search

- project:mosaic
- citation:author:"arndt, stefanie"
- basis:polarstern
- method:"snow pit"

The screenshot shows the PANGAEA search interface. At the top, there's a search bar with the query "project:mosaic citation:author:'arndt, stefanie' basis:polarstern method:'snow pit'". Below the search bar, a red dashed box highlights the search results message: "17 datasets found on search for »project:mosaic citation:author:'arndt, stefanie' basis:polarstern method:'snow pit'«". On the left, there's a sidebar with various facets: "Dataset Author" (Jaggi, Matthias (16), Kolabutin, Nikolai (16), Krampf, Daniela (16), Ogger, Marc (16), Raphael, Ian (16), Regnery, Julia (16), Shimanchuk, Egor (16), Wagner, David N (16)), "Dataset Publication Year" (2022 (12), 2021 (5)), "Project" (MOSAiC (17), ARICE (15)), "Method/Device" (Olympus Tough TG-5 Camera (2), SnowMicroPen (2), Calculated after Dansgaard (1964) (1), Camera, Near-InfraRed (1), Corrected (1), Garmin GPSmap 62sc (GP5) (1), Ice corer (1), Mass spectrometer Finnigan MAT Delta-S (ISOLAB) (1)), and "Campaign" (PS122/2 (16), PS122/3 (16), PS122/4 (15), PS122/5 (14), PS122/1 (13)). The main area lists 17 datasets, each with a title, author(s), size, DOI, and score. The first dataset is: 1. Macfarlane, AR; Schneebeli, M; Dadic, R et al. (2021); Snowpit raw data collected during the MOSAiC expedition.

Rank	Author(s)	Title	Description	Size	DOI	Score
1	Macfarlane, AR; Schneebeli, M; Dadic, R et al.	Snowpit raw data collected during the MOSAiC expedition	Related to: Nicolaus, M; Perovich, DK; Spreen, G et al. (2022): Overview of the MOSAiC expedition: Snow and sea ice.	15 datasets	https://doi.org/10.1594/PANGAEA.935934	100.64
2	Wagner, DN; Jaggi, M; Macfarlane, AR et al.	Snow water equivalent retrievals from SnowMicroPen data from MOSAiC		9021 data points	https://doi.org/10.1594/PANGAEA.927460	60.67
3	Mellat, M; Meyer, H; Brunello, CF et al.	Stable water isotopes of snow during MOSAiC expedition		2717 data points	https://doi.org/10.1594/PANGAEA.948511	44.9
4	Macfarlane, AR; Schneebeli, M; Dadic, R et al.	Snowpit snow density cutter profiles measured during the MOSAiC expedition		68 kBbytes	https://doi.org/10.1594/PANGAEA.940214	16.77
5	Macfarlane, AR; Schneebeli, M; Dadic, R et al.	Snowpit height measurements during the MOSAiC expedition		33.3 kBbytes	https://doi.org/10.1594/PANGAEA.940215	16.77
6	Macfarlane, AR; Schneebeli, M; Dadic, R et al.	Snowpit SnowMicroPen (SMP) force profiles collected during the MOSAiC expedition		37781 data points	https://doi.org/10.1594/PANGAEA.935554	16.77
7	Macfarlane, AR; Schneebeli, M; Dadic, R et al.	Snowpit surface type observed during the MOSAiC expedition		31.4 kBbytes	https://doi.org/10.1594/PANGAEA.940198	16.77
8	Macfarlane, AR; Schneebeli, M; Dadic, R et al.	Snow permittivity measured during the MOSAiC expedition		38.5 kBbytes	https://doi.org/10.1594/PANGAEA.940757	16.7
9	Macfarlane, AR; Schneebeli, M; Dadic, R et al.	Snowpit metadata TXT files collected during the MOSAiC expedition		305 data points	https://doi.org/10.1594/PANGAEA.940106	16.4

help under:
https://wiki.pangaea.de/wiki/PANGAEA_search



Search via keywords

- all keywords in search panel are automatically combined with “AND”

PANGAEA.

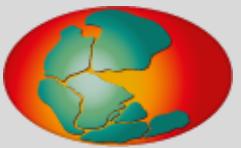
ALL TOPICS ▾ author:arndt author:matero

1915 datasets found on search for »author:arndt author:ma...«

< 1 2 3 4 5 6 7 8 9 10 >

1. Tao, R; Anhaus, P; Arndt, S et al.: Spectral radiation fluxes, albedo and transmittance from autonomous measurements, deployed during MOSAiC 2019/20
Size: 7 datasets
<https://doi.pangaea.de/10.1594/PANGAEA.949556> – Score: 24.43

2. Wagner, DN; Jaggi, M; Macfarlane, AR et al. (2021): Snow water equivalent retrievals from SnowMicroPen data from MOSAiC Leg 1 - Leg 3
Size: 9021 data points
 <https://doi.org/10.1594/PANGAEA.927460> – Score: 20.98



Search via keywords

- all keywords in search panel are automatically combined with “AND”
- “OR”

The screenshot shows the PANGAEA search interface. At the top, there is a search bar with the query "author:arndt or author:matero" highlighted by a red dashed box. Below the search bar, the text "2267 datasets found on search for »author:arndt or author...«" is displayed. A navigation bar below shows page numbers from 1 to 10. Two search results are listed:

- 1. Arndt, S (2022):** Snow thickness measurements at ice stations during RV POLARSTERN cruise PS111
Size: 5 datasets
[DOI](https://doi.org/10.1594/PANGAEA.946183) - Score: 30.42
- 2. Arndt, S; Haas, C (2022):** Snow thickness measurements at ice stations during RV POLARSTERN cruise PS124
Size: 15 datasets
[DOI](https://doi.org/10.1594/PANGAEA.946177) - Score: 28.49



Search via keywords

- all keywords in search panel are automatically combined with “AND”
- “OR”
- excluding search with “-”

hint: no blank after “-”

PANGAEA.

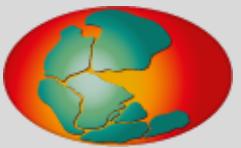
ALL TOPICS x 🔍

9 datasets found on search for »-author:arndt author:m...«

< 1 >

1. **Nicolaus, M; Matero, I; Regnery, J et al. (2022):** Spectral radiation fluxes, albedo and transmittance from autonomous measurement from Radiation Station 2020R15, deployed during MOSAiC 2019/20
Size: 5 datasets
 <https://doi.org/10.1594/PANGAEA.947969> – Score: 24.88

2. **Katlein, C; Anhaus, P; Matero, I et al. (2021):** Secchi depths measured during the MOSAiC expedition
Size: 56 data points
 <https://doi.org/10.1594/PANGAEA.920525> – Score: 15.27



Search via keywords

- all keywords in search panel are automatically combined with “AND”
- “OR”
- excluding search with “-”
- wildcards “?” and “*”

PANGAEA.

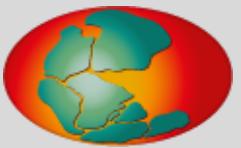
ALL TOPICS ▾ citation:author:möller × Q

344 datasets found on search for »citation:author:möller«

< 1 2 3 4 5 6 7 8 9 10 >

1. Möller, P; Bolshiyanov, DY; Bergsten, H (1999): Facies logs and age determinations of 8 sites from Taymyr Peninsula
Supplement to: Möller, P; Bolshiyanov, DY; Bergsten, H (1999): Weichselian geology and palaeoenvironmental history of the central Taymyr Peninsula, Siberia, indicating no glaciation during the last global glacial maximum. *Boreas*
Size: 12 datasets
DOI <https://doi.org/10.1594/PANGAEA.727407> – Score: 34.47

2. Tavora, J; Fernandes, EHL; Möller Jr, OO (2020): Patos Lagoon Suspended Particulate Matter (SPM) data compendium



Search via keywords

- all keywords in search panel are automatically combined with “AND”
- “OR”
- excluding search with “-”
- wildcards “?” and “*”

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ALL TOPICS x 🔍

6321 datasets found on search for »citation:author:m?ller«

< 1 2 3 4 5 6 7 8 9 10 >

1. [Jahn, B; Schneider, RR; Müller, PJ et al. \(2005\)](#): X-ray fluorescence measurements and bulk organic carbon analyses of ODP Hole 175-1075A
Supplement to: Jahn, B; Schneider, RR; Müller, PJ et al. (2005): Response of tropical African and East Atlantic climates to orbital forcing over the last 1.7 Ma. In: Head, MJ & Gibbard, P L (eds.) Early-Middle Pleistocene Transitions: The Land-Ocean Evidence. Geological Society, London, Special Publications

4. [Miller, I \(2019\)](#): Shoreline survey data collected at Rialto and Kalaloch Beaches, Washington State, 2018-2019
Size: 16 datasets
<https://doi.org/10.1594/PANGAEA.800570> - Score: 2.06

1. [Möller, P; Bolshiyanov, DY; Bergsten, H \(1999\)](#): Facies logs and age determinations of 8 sites from Taymyr Peninsula

Search via keywords



- all keywords in search panel are automatically combined with “AND”
- “OR”
- excluding search with “-”
- wildcards “?” and “*”

PANGAEA.

ALL TOPICS x 🔍

6419 datasets found on search for »citation:author:m*ller«

< 1 2 3 4 5 6 7 8 9 10 >

1. Jahn, B; Schneider, RR; Müller, PJ et al. (2005): X-ray fluorescence measurements and bulk organic carbon analyses of ODP Hole 175-1075A

4. Miller, I (2019): Shoreline survey data collected at Rialto and Kalaloch Beaches, Washington State, 2018-2019

1. Möller, P; Bolshiyanov, DY; Bergsten, H (1999): Facies logs and age determinations of 8 sites from Taymyr Peninsula

76. Werner, F; Mueller, CW; Thieme, J et al. (2017): Micro-scale assessment of soil phosphorus in aggregates



Search via map

- select map

Not logged in

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ALL TOPICS **Search for measurement type, author name, project, taxa,...**

MAP

 CHEMISTRY (2631)	 LITHOSPHERE (49578)	 BIOLOGICAL CLASSIFICATION (33768)	 ATMOSPHERE (31103)	 PALEONTOLOGY (25638)
 OCEANS (22067)	 ECOLOGY (20262)	 LAND SURFACE (8272)	 BIOSPHERE (4461)	 GEOPHYSICS (4118)
 CRYOSPHERE (1731)	 LAKES & RIVERS (799)	 HUMAN DIMENSIONS (578)	 FISHERIES (301)	 AGRICULTURE (147)

Latest News

2023-05-02 **REGISTRATION IS OPEN! PANGAEA / DE.NBI - COMMUNITY WORKSHOP: FINDING AND RETRIEVING DATA FROM PANGAEA**

This hands-on workshop focuses on finding and using datasets already published on PANGAEA. It gives an in-depth introduction to various methods of systematically finding desired datasets for one's particular task and making them available for further use and analysis, i.e. in typical VRE like Jupiter. You are invited to join online May 11 and 12 2023, each at 10:30am - 12:30pm CEST (UTC+2)

2023-01-20 **ATLANTIC 'BLUEPRINT' FOR ASSESSING ECOSYSTEM STATUS PUBLISHED**

PANGAEA contributes to new Atlantic perspective paper in the Journal Communications Earth & Environment, outlining how international scientific partnership, collaboration, pooled resources and shared ambition can deliver the information to better manage and protect ecosystems in the deep and open ocean.

[Show all 62 news items...](#)

Featured Data

Matevski, D; Glathorn, J; Foltran, EC (2022): Leaf damage data on European beech leaves from saplings and mature trees from Lower Saxony, Germany in 2010



Search via map

- select map
- choose region via “mouse over”

Not logged in  

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ALL TOPICS 

Search for measurement type, author name, project, taxa,...

TOPICS  MAP

Map Satellite

North Atlantic Ocean

Google

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Latest News

2023-05-02 REGISTRATION IS OPEN! PANGAEA / DE.NBI - COMMUNITY WORKSHOP: FINDING AND RETRIEVING DATA FROM PANGAEA  This hands-on workshop focuses on finding and using datasets already published on PANGAEA. It gives an in-depth introduction to various methods of systematically finding desired datasets for one's particular task and making them available for further use and analysis, i.e. in typical VRE like Jupiter. You are invited to join online May 11 and 12 2023, each at 10:30am - 12:30am CEST (UTC+2)

2023-01-20 IATLANTIC 'BLUEPRINT' FOR ASSESSING ECOSYSTEM STATUS PUBLISHED  PANGAEA contributes to new IAtlantic perspective paper in the journal Communications Earth & Environment, outlining how international scientific partnership, collaboration, pooled resources and shared ambition can deliver the information to better manage and protect ecosystems in the deep and open ocean.

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Featured Data

Matevski, D; Glatthorn, J; Foltran, EC (2022): Leaf damage data on European beech leaves from saplings and mature trees from Lower Saxony, Germany in 2019  <https://doi.org/10.1594/PANGAEA.949421>

Zabel, M (2022): Pore water and solid phase data from deep-sea trench sediments  <https://doi.org/10.1594/PANGAEA.947269>

Hoppmann, M; Kuznetsov, I; Fang, Y-C et al. 



Search via map

- region is applied in facet filter
- further filtering possible

Not logged in + ↗

PANGAEA.

ALL TOPICS ▾ Search for measurement type, author name, project, taxa,...

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SHOW MAP GOOGLE EARTH DATA WAREHOUSE

Filter by... North Atlantic Ocean ×

Dataset Author
Shipboard Scientific Party (6495)
WOCE Sea Level, WSL (5465)
Preßler, Erhard (4283)
WOCE Upper Ocean Thermal, UOT (3603)
Garcia-Herrera, Ricardo (3167)
Jones, Philip D (3162)
Koek, Frits B (3162)
Wheeler, Dennis A (3162)
more...

Dataset Publication Year
□ 2023 (316)
□ 2022 (1020)
□ 2021 (1229)
□ 2020 (1973)
□ 2019 (1663)
□ 2018 (2315)
□ 2017 (2390)
□ 2016 (3655)
more...

Topic
Chemistry (18614)
Organic Chemistry (15687)
Lithosphere (11913)
Geosciences, Multidisciplinary (10528)
Biological Classification (8458)
Inorganic Chemistry (6980)
Atmosphere (6793)
Paleontology (6183)
more...

Project

85901 datasets found on search with facet filters

< 1 2 3 4 5 6 7 8 9 10 >

1. Blaser, P; Lippold, J; Gutjahr, M et al.: Trace metal contents and Nd isotope signatures of different fractions in North Atlantic marine sediments
Related to: Blaser, P; Lippold, J; Gutjahr, M et al. (2016): Extracting foraminiferal seawater Nd isotope signatures from bulk deep sea sediment by chemical leaching. *Chemical Geology*
Size: 6 datasets
<https://doi.pangaea.de/10.1594/PANGAEA.958179> - Download 🔒

2. van Peer, TE: Oligo-Miocene oxygen isotope and carbon record from IODP Site 342-U1406
Size: 3 datasets
<https://doi.pangaea.de/10.1594/PANGAEA.958176> - Download 🔒

3. Tell, F: Planktonic foraminifera shell counts, weights and sizes from the Labrador Sea cores HU2008-029-004TWC, HU91-045-93PC and MD99-2227
Related to: Tell, F: Arctic planktonic foraminifera pelagic carbonate production and sedimentation under changing environmental conditions. *University of Bremen, Germany*
Size: 2 datasets
<https://doi.pangaea.de/10.1594/PANGAEA.958156> - Download 🔒

4. Blaser, P; Pöppelmeier, F; Schulz, H et al.: Physical and bulk and authigenic geochemical and radiocarbon data of marine sediment cores from the deep Northeast Atlantic since the last glacial
Related to: Blaser, P; Pöppelmeier, F; Schulz, H et al. (2019): The resilience and sensitivity of Northeast Atlantic deep water Nd to overprinting by detrital fluxes over the past 30,000 years. *Geochimica et Cosmochimica Acta*
Size: 8 datasets
<https://doi.pangaea.de/10.1594/PANGAEA.958033> - Download 🔒

5. Arellano-Torres, E (2023): Planktonic foraminifera data from core EN-032-18PC, Gulf of Mexico, to reconstruct the Loop Current circulation over the MIS 9 to MIS 5
Related to: Arellano-Torres, E; Amezcuá-Montiel, A; Casas-Ortiz, A (2023): The Loop Current Circulation Over the MIS 9 to MIS 5 Based on Planktonic Foraminifera Assemblages From the Gulf of Mexico. *Paleoceanography and Paleoclimatology*

Map Satellite

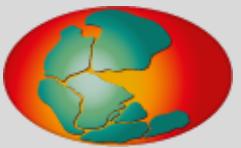
Google Keyboard shortcuts Map Data 2000 km Terms of Use

To create a new geographic search coverage, use the buttons and input fields to enter coordinates below. The GPS button (top-left of wind rose) selects the area around your current location. For using the map, select the viewport button (top-right of wind rose) and drag or zoom the bounding rectangle on its borders. You can also select a date range by entering a start/end date. Press "Apply" to restrict current search results!

N E S W Clear Apply

Start date: YYYY-MM-DD Clear

End date: YYYY-MM-DD Apply



Search via geographical coordinates

- select bounding box
- optional: select time range
- **Note:** time range of data
- **Not:** year of publication³⁾ as in facet filter

PANGAEA.

ALL TOPICS ▾

Search for measurement type, author name, project, taxa,...

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11833 datasets found on search with geographic bounding box and temporal coverage

< 1 2 3 4 5 6 7 8 9 10 >

1. Mirzaloo, M; Nürnberg, D; Kienast, M et al. (2019): Grain-size composition, XRF data, coarse bulk fraction (>150 µm) and isotopic record of benthic foraminifera (*C. wuellestorfi*) from gravity sediment cores during POSEIDON cruise POS457 at the Iceland-Faroe Ridge
Supplement to: Mirzaloo, M; Nürnberg, D; Kienast, M et al. (2019): Synchronous Changes in Sediment Transport and Provenance at the Iceland-Faroe Ridge Linked to Millennial Climate Variability From 55 to 6 ka BP. *Geochemistry, Geophysics, Geosystems*
Size: 2 datasets
<https://doi.org/10.1594/PANGAEA.901946> – Download

2. Fer, I; Darelius, E; Ullgren, J (2016): Moored current and temperature measurements in the Faroe Bank Channel overflow region, June 2012-June 2013
Related to: Darelius, E; Fer, I; Rasmussen, TAS et al. (2015): On the modulation of the periodicity of the Faroe Bank Channel overflow instabilities. *Ocean Science*
Ullgren, J; Darelius, E; Fer, I (2016): Volume transport and mixing of the Faroe Bank Channel overflow from one year of moored measurements. *Ocean Science*
Size: 7 datasets
<https://doi.org/10.1594/PANGAEA.864129> – Download

3. Semper, S; Pickart, R; Våge, K et al. (2020): CTD temperature and salinity profiles along five transects in NE Iceland / Iceland-Faroe ridge
Size: 5 datasets
<https://doi.org/10.1594/PANGAEA.919516> – Download

4. Semper, S; Pickart, R; Våge, K et al. (2020): Water velocity profiles from LADCP casts along five transects in NE Iceland / Iceland-Faroe ridge
Size: 5 datasets
<https://doi.org/10.1594/PANGAEA.919515> – Download

5. Lemmettyinen, J; Cohen, J; Kontu, A et al. (2021): Airborne SnowSAR data at X- and Ku-bands over boreal forest, alpine and tundra snow cover
Size: 17 datasets

SHOW MAP GOOGLE EARTH DATA WAREHOUSE

Map Satellite

Geolocation

Keyboard shortcuts | Map Data | 2000 km | Terms of Use

To create a new geographic search coverage, use the buttons and input fields to enter coordinates below. The GPS button (top-left of wind rose) selects the area around your current location. For using the map, select the viewport button (top-right of wind rose) and drag or zoom the bounding rectangle on its borders. You can also select a date range by entering a start/end date. Press "Apply" to restrict current search results!

75
-40 20
Clear 50 Apply

Start date: 2010-01-01 Clear
End date: 2020-12-31 Apply



Search via geographical coordinates

- select bounding box
- optional: select time range
- **Note:** time range of data
- **Not:** year of publication as in facet filter

To create a new geographic search coverage, use the buttons and input fields to enter coordinates below. The GPS button (*top-left of wind rose*) selects the area around your current location. For using the map, select the viewport button (*top-right of wind rose*) and drag or zoom the bounding rectangle on its borders. You can also select a date range by entering a start/end date. Press "Apply" to restrict current search results!

N
W E
Clear S Apply
Start date: Clear
End date: Apply

Search via data warehouse



- apply facet filter to refine search
- choose “DATA WAREHOUSE”

PANGAEA.

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SEARCH SUBMIT HELP ABOUT CONTACT

ALL TOPICS parameter:salinity

SHOW MAP GOOGLE EARTH **DATA WAREHOUSE**

Filter by...

Thermosalinograph North Greenland Sea

Dataset Author

- Rohardt, Gerd (44)
- Soltwedel, Thomas (6)
- Hoppmann, Mario (4)
- Tippenhauer, Sandra (4)
- Fahrbach, Eberhard (3)
- Jokat, Wilfried (3)
- Klages, Michael (3)
- Stein, Ruediger (3)
- more...

Dataset Publication Year

- 2023 (1)
- 2021 (3)
- 2019 (2)
- 2018 (3)
- 2017 (2)
- 2016 (8)
- 2012 (2)
- 2011 (3)
- more...

Topic

- Geosciences, Multidisciplinary (32)
- Lithosphere (32)
- Ecology (31)
- Environmental Sciences (31)
- Oceanography (1)
- Oceans (1)
- Paleontology (1)

47 datasets found on search for »parameter:salinity« with facet filters

< 1 2 3 4 5 >

1. [Hoppmann, M; Tippenhauer, S; Soltwedel, T: Continuous thermosalinograph oceanography along RV POLARSTERN cruise track PS126](#)
Related to: [Soltwedel, T \(2021\): The Expedition PS126 of the Research Vessel POLARSTERN to the Fram Strait in 2021. Berichte zur Polar- und Meeresforschung = Reports on Polar and Marine Research](#)
Size: 276042 data points
<https://doi.pangaea.de/10.1594/PANGAEA.949666> - Score: 6.41

2. [Soltwedel, T; Schlundt, M \(2023\): Continuous thermosalinograph oceanography along RV MARIA S. MERIAN cruise track MSM108](#)
Related to: [Soltwedel, T; Asendorf, V; Barthelmeß, T et al. \(2022\): LTER HAUSGARTEN 2022 Long-Term Ecological Research in the Fram Strait, Cruise No. MSM108, June 06 - July 03, 2022, Tromsø \(Norway\) - Tromsø \(Norway\). MARIA S. MERIAN-Berichte, Begutachtungspanel Forschungsschiffe](#)
Size: 236872 data points
<https://doi.org/10.1594/PANGAEA.956595> - Score: 6.41

3. [Lemke, P; Rohardt, G \(2007\): Continuous thermosalinograph oceanography along POLARSTERN cruise track ARK-XX/2](#)
Related to: [Budéus, G; Lemke, P \(2007\): The Expeditions ARKTIS-XX/1 and ARKTIS-XX/2 of the Research Vessel Polarstern in 2004. Berichte zur Polar- und Meeresforschung = Reports on Polar and Marine Research](#)
Size: 9549 data points
<https://doi.pangaea.de/10.1594/PANGAEA.666233> - Score: 6.31

4. [Stein, R; Rohardt, G \(2007\): Continuous thermosalinograph oceanography along POLARSTERN cruise track ARK-XX/3](#)
Related to: [Stein, R \(2005\): Scientific cruise report of the Arctic Expedition ARK-XX/3 of RV Polarstern in 2004: Fram Strait, Yermak Plateau and East Greenland Continental Margin. Berichte zur Polar- und Meeresforschung = Reports on Polar and Marine Research](#)
Size: 8592 data points
<https://doi.pangaea.de/10.1594/PANGAEA.666234> - Score: 6.31

Map Satellite

Google Keyboard shortcuts | Map Data | 2000 km | Terms of Use

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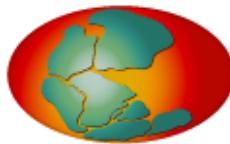
N
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Clear 5 Apply

Start date: YYYY-MM-DD Clear
End date: YYYY-MM-DD Clear Apply

Search via data warehouse



Log in for use



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Not logged in  

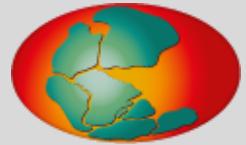
SEARCH SUBMIT HELP ABOUT CONTACT

Data Warehouse Download on query for »parameter:salinity« with facet filters

PANGAEA currently provides published data entities for download that can be cited like publications using authors, year, title and a Digital Object Identifier (DOI). A lot of scientists, especially modellers, need compilations of various data sets for analyzing. On the other hand, data producers want to be cited for their work, which is nearly impossible with huge compilations containing thousands of distinct data sets, especially when data compilation is done manually outside of the PANGAEA data library.

The **PANGAEA Data Warehouse** can be used for highly efficient retrievals and compilations of time slices or surface data matrixes on any measurement parameters out of the whole data continuum.

To use the **PANGAEA Data Warehouse** interface, you need to [log in!](#) You can [sign up](#) for a user account at PANGAEA [here](#).



Search via data warehouse

- apply facet filter to refine search
- choose “DATA WAREHOUSE”

the more refined your search, the easier to find what you want

Kathrin Riemann-Campe

PANGAEA.
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SEARCH SUBMIT HELP ABOUT CONTACT

Data Warehouse Download on query for »parameter:salinity« with facet filters

To start a data warehouse download, add geocodes (colored blue) and parameters to the configuration by dragging or double-clicking them. Order of geocodes and parameters in the download matrix may be changed by dragging rows in the configuration list. For best results put latitude/longitude or the event label in one of the first columns, as the download matrix is ordered by the primary geocode! Depending on size of result set, the query may take some time until file download starts.

Warning: The data warehouse is a tool to compile data from many datasets with different structure and semantics into a single table. Due to this diversity, the results may not be useable without further checks by the user. All measurement values and geocodes are formatted using the *default numeric / date format of the measurement parameter* for easier usage in data analytics (e.g., statistics, homogenized compilations). This may lead to **loss of precision** caused by rounding, depending on source datasets. In addition, this software excludes data points to which the user that is logged in has no access. *The last column of each row contains a link to the dataset from where data origins. It is required to cite all datasets listed there!*

Available Parameters and Geocodes

Score	Parameter/Geocode
100.0%	DATE/TIME
39.4%	DEPTH, water [m]
4.2%	EVENT LABEL
4.2%	LATITUDE
2.3%	LONGITUDE
1.7%	ELEVATION [m a.s.l.]
1.7%	Salinity
0.8%	Temperature, water [°C]
0.8%	Conductivity [mS cm]
0.8%	Temperature, water, internal [°C]
0.8%	Quality flag, salinity
0.8%	Quality flag, water temperature
0.8%	Alkenone, C37:4 [%]
0.8%	Alkenone, C37+C38 [ng/l]
0.8%	Isomer response [mV*min]
0.8%	Measurement container
0.8%	Sample volume [l]

Configuration

Parameter/Geocode	Method
DATE/TIME	no average
LATITUDE	
LONGITUDE	
DEPTH, water [m]	
Salinity	<any>
Temperature, water [°C]	<any>

Thermometer, Sea-Bird, SBE 38
 Thermosalinograph

Implicit averaging
 Calculate standard deviation of averaged values

Download data in the following character encoding:

Search via data warehouse



- powerful tool
- never forget to cite all datasets downloaded

Kathrin Riemann-Campe

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SEARCH SUBMIT HELP ABOUT CONTACT

Data Warehouse Download on query for »parameter:salinity« with facet filters

To start a data warehouse download, add geocodes (colored blue) and parameters to the configuration by dragging or double-clicking them. Order of geocodes and parameters in the download matrix may be changed by dragging rows in the configuration list. For best results put latitude/longitude or the event label in one of the first columns, as the download matrix is ordered by the primary geocode! Depending on size of result set, the query may take some time until file download starts.

Warning: The data warehouse is a tool to compile data from many datasets with different structure and semantics into a single table. Due to this diversity, the results may not be useable without further checks by the user. All measurement values and geocodes are formatted using the *default numeric / date format of the measurement parameter* for easier usage in data analytics (e.g., *statistics, homogenized compilations*). This may lead to **loss of precision** caused by rounding, depending on source datasets. In addition, this software excludes data points to which the user that is logged in has no access. *The last column of each row contains a link to the dataset from where data origins. It is required to cite all datasets listed there!*

Implicit averaging
 Calculate standard deviation of averaged values
Download data in the following character encoding:
Start Data Warehouse Query



Search via data warehouse

- choose parameters

the more refined your search, the easier to find what you want

Available Parameters and Geocodes

Page 1 of 1 < prev 1 next >

Score	Parameter/Geocode	
	DATE/TIME	+/-
	DEPTH, water [m]	+/-
	EVENT LABEL	+/-
	LATITUDE	+/-
	LONGITUDE	+/-
	ELEVATION [m a.s.l.]	+/-
100.0%	Salinity	+/-
39.4%	Temperature, water [°C]	+/-
4.2%	Conductivity [mS/cm]	+/-
4.2%	Temperature, water, internal [°C]	+/-
2.3%	Quality flag, salinity	+/-
1.7%	Quality flag, water temperature	+/-
0.8%	Alkenone, C37:4 [%]	+/-
0.8%	Alkenone, C37+C38 [ng/l]	+/-
0.8%	Isomer response [mV*min]	+/-
0.8%	Measurement container	+/-
0.8%	Sample volume [l]	+/-

- Implicit averaging
 Calculate standard deviation of averaged values

Download data in the following character encoding: UTF-8: Unicode (PANGAEA default)

Configuration

Page 1 of 1 < prev 1 next >

Parameter/Geocode	Method	
DATE/TIME	no average	
LATITUDE		
LONGITUDE		
DEPTH, water [m]		
Salinity	<any>	
Temperature, water [°C]	<any>	



Search via data warehouse

- choose parameters
- choose averaging

no average

no average

yearly average

monthly average

daily average

hourly average

minutely average

- choose method

<any>

<any>

Thermometer, Sea-Bird, SBE 38

Thermosalinograph

Available Parameters and Geocodes

Page 1 of 1 < prev 1 next >

Score	Parameter/Geocode	
	DATE/TIME	
	DEPTH, water [m]	
	EVENT LABEL	
	LATITUDE	
	LONGITUDE	
	ELEVATION [m a.s.l.]	
100.0%	Salinity	
39.4%	Temperature, water [°C]	
4.2%	Conductivity [mS/cm]	
4.2%	Temperature, water, internal [°C]	
2.3%	Quality flag, salinity	
1.7%	Quality flag, water temperature	
0.8%	Alkenone, C37:4 [%]	
0.8%	Alkenone, C37+C38 [ng/l]	
0.8%	Isomer response [mV*min]	
0.8%	Measurement container	
0.8%	Sample volume [l]	

Configuration

Page 1 of 1 < prev 1 next >

Parameter/Geocode	Method
DATE/TIME	no average
LATITUDE	
LONGITUDE	
DEPTH, water [m]	
Salinity	<any>
Temperature, water [°C]	<any>

Download data in the following character encoding: UTF-8: Unicode (PANGAEA default)

Start Data Warehouse Query



Search via data warehouse

- choose parameters
- choose averaging

no average

no average

yearly average

monthly average

daily average

hourly average

minutely average

- choose method

<any>

<any>

Thermometer, Sea-Bird, SBE 38

Thermosalinograph

- start query

Available Parameters and Geocodes

Page 1 of 1 < prev 1 next >

Score	Parameter/Geocode	
	DATE/TIME	
	DEPTH, water [m]	
	EVENT LABEL	
	LATITUDE	
	LONGITUDE	
	ELEVATION [m a.s.l.]	
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0.8%	Isomer response [mV*min]	
0.8%	Measurement container	
0.8%	Sample volume [l]	

Configuration

Page 1 of 1 < prev 1 next >

Parameter/Geocode	Method	
DATE/TIME	no average	
LATITUDE		
LONGITUDE		
DEPTH, water [m]		
Salinity	<any>	
Temperature, water [°C]	<any>	



Search via data warehouse

- choose parameters
- choose averaging

no average

no average

yearly average

monthly average

daily average

hourly average

minutely average

- choose method

<any>

<any>

Thermometer, Sea-Bird, SBE 38

Thermosalinograph

- start query

=> automatic download

Available Parameters and Geocodes

Page 1 of 1 < prev 1 next >

Score	Parameter/Geocode	
	DATE/TIME	
	DEPTH, water [m]	
	EVENT LABEL	
	LATITUDE	
	LONGITUDE	
	ELEVATION [m a.s.l.]	
100.0%	Salinity	
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0.8%	Sample volume [l]	

Configuration

Page 1 of 1 < prev 1 next >

Parameter/Geocode	Method	
DATE/TIME	no average	
LATITUDE		
LONGITUDE		
DEPTH, water [m]		
Salinity	<any>	
Temperature, water [°C]	<any>	

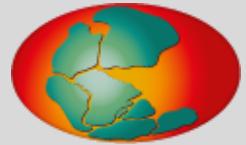
- Implicit averaging
- Calculate standard deviation of averaged values

Download data in the following character encoding: UTF-8: Unicode (PANGAEA default)

Start Data Warehouse Query

parameter_salinity.tab

Search via data warehouse



parameter_salinity.tab									
1 Date/Time → Latitude → Longitude → Depth · water · [m] → Sal → Temp · [°C] → Origin · of · Values 2 1993-05-19T09:35:00 → 66.709389 → 6.188535 → 11.0 → 35.1815 → 7.3300 → https://doi.pangaea.de/10.1594/PANGAEA.53253 3 1993-05-19T09:45:00 → 66.744037 → 6.214201 → 11.0 → 35.1746 → 7.2400 → https://doi.pangaea.de/10.1594/PANGAEA.53253 4 1993-05-19T09:55:00 → 66.778817 → 6.240477 → 11.0 → 35.1730 → 7.2200 → https://doi.pangaea.de/10.1594/PANGAEA.53253 5 1993-05-19T10:05:00 → 66.813656 → 6.266497 → 11.0 → 35.2060 → 7.5100 → https://doi.pangaea.de/10.1594/PANGAEA.53253 6 1993-05-19T10:15:00 → 66.848600 → 6.291851 → 11.0 → 35.2047 → 7.6400 → https://doi.pangaea.de/10.1594/PANGAEA.53253									
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235565 2022-07-01T14:53:00 → 71.811969 → 15.584551 → 6.5 → 34.8968 → 9.1640 → https://doi.pangaea.de/10.1594/PANGAEA.956595 235566 2022-07-01T14:54:00 → 71.809779 → 15.590356 → 6.5 → 34.8940 → 9.1690 → https://doi.pangaea.de/10.1594/PANGAEA.956595 235567 2022-07-01T14:55:00 → 71.807524 → 15.596035 → 6.5 → 34.8930 → 9.1680 → https://doi.pangaea.de/10.1594/PANGAEA.956595 235568 2022-07-01T14:56:00 → 71.805278 → 15.601800 → 6.5 → 34.8926 → 9.1670 → https://doi.pangaea.de/10.1594/PANGAEA.956595 235569 2022-07-01T14:57:00 → 71.803017 → 15.607639 → 6.5 → 34.8921 → 9.1650 → https://doi.pangaea.de/10.1594/PANGAEA.956595 235570 2022-07-01T14:58:00 → 71.800763 → 15.613467 → 6.5 → 34.8909 → 9.1540 → https://doi.pangaea.de/10.1594/PANGAEA.956595 235571 2022-07-01T14:59:00 → 71.798535 → 15.619388 → 6.5 → 34.8893 → 9.1470 → https://doi.pangaea.de/10.1594/PANGAEA.956595 235572									

This example comprises data from **47** individual datasets.
with search query:
parameter:salinity method:thermosalinograph location:"north greenland sea"

Search via data warehouse



parameter_salinity.tab									
1 Date/Time → Latitude → Longitude → Depth · water · [m] → Sal → Temp · [°C] → Origin · of · Values 2 1993-05-19T09:35:00 → 66.709389 → 6.188535 → 11.0 → 35.1815 → 7.3300 → https://doi.pangaea.de/10.1594/PANGAEA.53253 3 1993-05-19T09:45:00 → 66.744037 → 6.214201 → 11.0 → 35.1746 → 7.2400 → https://doi.pangaea.de/10.1594/PANGAEA.53253 4 1993-05-19T09:55:00 → 66.778817 → 6.240477 → 11.0 → 35.1730 → 7.2200 → https://doi.pangaea.de/10.1594/PANGAEA.53253 5 1993-05-19T10:05:00 → 66.813656 → 6.266497 → 11.0 → 35.2060 → 7.5100 → https://doi.pangaea.de/10.1594/PANGAEA.53253 6 1993-05-19T10:15:00 → 66.848600 → 6.291851 → 11.0 → 35.2047 → 7.6400 → https://doi.pangaea.de/10.1594/PANGAEA.53253									
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235565 2022-07-01T14:53:00 → 71.811969 → 15.584551 → 6.5 → 34.8968 → 9.1640 → https://doi.pangaea.de/10.1594/PANGAEA.956595 235566 2022-07-01T14:53:00 → 71.811969 → 15.584551 → 6.5 → 34.8968 → 9.1640 → https://doi.pangaea.de/10.1594/PANGAEA.956595 235567 2022-07-01T14:53:00 → 71.811969 → 15.584551 → 6.5 → 34.8968 → 9.1640 → https://doi.pangaea.de/10.1594/PANGAEA.956595 235568 2022-07-01T14:53:00 → 71.811969 → 15.584551 → 6.5 → 34.8968 → 9.1640 → https://doi.pangaea.de/10.1594/PANGAEA.956595 235569 2022-07-01T14:53:00 → 71.811969 → 15.584551 → 6.5 → 34.8968 → 9.1640 → https://doi.pangaea.de/10.1594/PANGAEA.956595 235570 2022-07-01T14:58:00 → 71.800763 → 15.613467 → 6.5 → 34.8909 → 9.1540 → https://doi.pangaea.de/10.1594/PANGAEA.956595 235571 2022-07-01T14:59:00 → 71.798535 → 15.619388 → 6.5 → 34.8893 → 9.1470 → https://doi.pangaea.de/10.1594/PANGAEA.956595 235572									
Never forget to cite ALL individual data sets!									

This example comprises data from **47** individual datasets.
with search query:
parameter:salinity method:thermosalinograph location:"north greenland sea"



Specific features

- additional information on authors

Not logged in

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Citation: Erhardt, Tobias; Bigler, Matthias; Federer, Urs; Gfeller, Gideon; Leuenberger, Daiana; Stowasser, Olivia; Röhlisberger, Regine; Schüpbach, Simon; Ruth, Urs; Twarloh, Birthe; Wegner, Anna; Goto-Azuma, Kumiko; Kuramoto, Takayuki; Kjær, Helle Astrid; Valelonga, Paul T; Siggaard-Andersen, Marie-Louise; Hansson, Margareta E; Benton, Ailsa K; Fleet, Louise G; Mulvaney, Rob; Thomas, Elizabeth R; Abram, Nerilie J; Stocker, Thomas F; Fischer, Hubertus (2021): High resolution aerosol concentration data from the Greenland NorthGRIP and NEEM deep ice cores. PANGAEA, doi: <https://doi.org/10.1594/PANGAEA.935838>

Always quote citation above when using data! You can download the citation in several formats below.

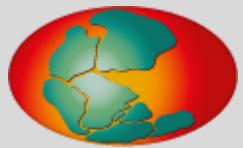
RIS Citation BibTeX Citation Copy Citation Facebook Twitter Show Map Google Earth

Abstract: High resolution aerosol data from Greenland NGRIP and NEEM ice cores. All data was measured using continuous flow analysis with the Bern CFA system during the respective field campaigns. A detailed description of the measurement procedures can be found in Röhlisberger et al. (2000) and Kaufmann et al. (2008) and are summarised in the accompanying ESSD publication (Erhardt et al 2022). Data is provided at 1mm depth resolution and 10yr averages on the GICC05 age scale of the respective core (Andersen et al, 2006; Rasmussen et al., 2006; Svensson et al., 2008; Wolff et al., 2010; Rasmussen et al., 2013). For a detailed description of the uncertainties in the presented data refer to the accompanying ESSD publication. If you use this data please cite Röhlisberger et al. (2000), Kaufmann et al. (2008) and Erhardt et al. (2022).

Keyword(s): aerosol; ammonium; calcium; Greenland; Ice core; nitrate; sodium

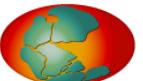
Supplement to: Erhardt, Tobias; Bigler, Matthias; Federer, Urs; Gfeller, Gideon; Leuenberger, Daiana; Stowasser, Olivia; Röhlisberger, Regine; Schüpbach, Simon; Ruth, Urs; Twarloh, Birthe; Wegner, Anna; Goto-Azuma, Kumiko; Kuramoto, Takayuki; Kjær, Helle Astrid; Valelonga, Paul T; Siggaard-Andersen, Marie-Louise; Hansson, Margareta E; Benton, Ailsa K; Fleet, Louise G; Mulvaney, Rob; Thomas, Elizabeth R; Abram, Nerilie J; Stocker, Thomas F; Fischer, Hubertus (2022): High-resolution aerosol concentration data from the Greenland NorthGRIP and NEEM deep ice cores. *Earth System Science Data*, **14**(3), 1215-1231, doi: <https://doi.org/10.5194/essd-14-1215-2022>

Specific features



- additional information on authors
 - data set statistics

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Specific features

- additional information on authors
- data set statistics
- use “magnifying glass” to find data sets with the same meta data

Citation:

Erhardt, Tobias; Bigler, Matthias; Federer, Urs; Gfeller, Gideon; Leuenberger, Daiana; Stowasser, Olivia; Röhlisberger, Regine; Schüpbach, Simon; Ruth, Urs; Twarloh, Birthe; Wegner, Anna; Goto-Azuma, Kumiko; Takayuki, Kuramoto; Kjær, Helle Astrid; Valletonga, Paul T; Siggaard-Andersen, Marie-Louise; Hansson, Margareta E; Benton, Ailsa K; Fleet, Louise G; Mulvaney, Rob; Thomas, Elizabeth R; Abram, Nerilie J; Stocker, Thomas F; Fischer, Hubertus (2021): High resolution aerosol concentration data from the Greenland NorthGRIP and NEEM deep ice cores. PANGAEA, doi: <https://doi.org/10.1594/PANGAEA.935838>

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Abstract:

High resolution aerosol data from Greenland NGRIP and NEEM ice cores. All data was measured using continuous flow analysis with the Bern CFA system during the respective field campaigns. A detailed description of the measurement procedures can be found in Röhlisberger et al. (2000) and Kaufmann et al. (2008) and are summarised in the accompanying ESSD publication (Erhardt et al 2022). Data is provided at 1mm depth resolution and 10yr averages on the GICC05 age scale of the respective core (Andersen et al, 2006; Rasmussen et al., 2006; Svensson et al., 2008; Wolff et al., 2010; Rasmussen et al., 2013). For a detailed description of the uncertainties in the presented data refer to the accompanying ESSD publication. If you use this data please cite Röhlisberger et al. (2000), Kaufmann et al. (2008) and Erhardt et al. (2022).

Keyword(s):

aerosol; ammonium; calcium; Greenland; Ice core; nitrate; sodium

Project(s):

North Greenland Eemian Ice Drilling (NEEM);
North Greenland Ice Core Project (NGRIP)

Funding:

Agence Nationale de la Recherche (ANR), grant/award no. 07-VULN-09-001; North Greenland Eemian Ice Drilling

Coverage:

Median Latitude: 76.275000 * Median Longitude: -46.690000 * South-bound Latitude: 75.100000 * West-bound Longitude: -51.060000 * North-bound Latitude: 77.450000 * East-bound Longitude: -42.320000

Date/Time Start: 1996-07-01T00:00:00 * Date/Time End: 2009-08-20T00:00:00

Map:





Specific features

- additional information on authors
- data set statistics
- use “magnifying glass” to find data sets with the same meta data

Look out for magnifying glasses. They are almost everywhere.

Citation:
Erhardt, Tobias; Bigler, Matthias; Federer, Urs; Gfeller, Gideon; Leuenberger, Daiana; Stowasser, Olivia; Röhlisberger, Regine; Schüpbach, Simon; Ruth, Urs; Twarloh, Birthe; Wegner, Anna; Goto-Azuma, Kumiko; Takayuki, Kuramoto; Kjær, Helle Astrid; Valledonga, Paul T; Siggaard-Andersen, Marie-Louise; Hansson, Margareta E; Benton, Ailsa K; Fleet, Louise G; Mulvaney, Rob; Thomas, Elizabeth R; Abram, Nerilie J; Stocker, Thomas F; Fischer, Hubertus (2021): High resolution aerosol concentration data from the Greenland NorthGRIP and NEEM deep ice cores. *PANGAEA*, doi: <https://doi.org/10.1594/PANGAEA.935838>

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High resolution aerosol data from Greenland NGRIP and NEEM ice cores. All data was measured using continuous flow analysis with the Bern CFA system during the respective field campaigns. A detailed description of the measurement procedures can be found in Röhlisberger et al. (2000) and Kaufmann et al. (2008) and are summarised in the accompanying ESSD publication (Erhardt et al 2022). Data is provided at 1mm depth resolution and 10yr averages on the GICC05 age scale of the respective core (Andersen et al, 2006; Rasmussen et al., 2006; Svensson et al., 2008; Wolff et al., 2010; Rasmussen et al., 2013). For a detailed description of the uncertainties in the presented data refer to the accompanying ESSD publication. If you use this data please cite Röhlisberger et al. (2000), Kaufmann et al. (2008) and Erhardt et al. (2022).

Abstract:
aerosol; ammonium; calcium; Greenland; Ice core; nitrate; sodium

Keyword(s):
North Greenland Eemian Ice Drilling (NEEM)

North Greenland Ice Core Project (NGRIP)

Agence Nationale de la Recherche (ANR), grant/award no. 07-VULN-09-001; North Greenland Eemian Ice Drilling

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Funding:
Date/Time Start: 1996-07-01T00:00:00 * Date/Time End: 2009-08-20T00:00:00



Specific features

- show further information on meta data

Svensson, Anders M; Andersen, Katrine K; Bigler, Matthias; Clausen, Henrik Brink; Dahl-Jensen, Dorthe; Davies, Siwan M; Johnsen, Sigfús Jóhann; Muscheler, Raimund; Rasmussen, Sune Olander; Röhlisberger, Regine; Steffensen, Jørgen Peder; Vinther, Bo Møllesøe (2006): The Greenland Ice Core Chronology 2005, 15-42 ka. Part 2: comparison to other records. *Quaternary Science Reviews*, 25(23-24), 3258-3267, DOI: <https://doi.org/10.1016/j.quascirev.2006.08.003>

Project(s): North Greenland Ice Core Project (NGRIP) [\[View\]](#)

Coverage: Latitude: 75.100000 * Longitude: -42.320000
Date/Time Start: 1996-07-01T00:00:00 * Date/Time End: 1996-07-01T00:00:00
Minimum Elevation: 2917.0 m * Maximum Elevation: 2917.0 m

Event(s): NGRIP (NorthGRIP) [\[View\]](#) * Latitude: 75.100000 * Longitude: -42.320000 * Date/Time: 1996-07-01T00:00:00 * Elevation: 2917.0 m * Location: Greenland [\[View\]](#) * Campaign: NGRIP [\[View\]](#) * Basis: Sampling/drilling ice [\[View\]](#) * Method/Device: Ice drill (ICEDRILL) [\[View\]](#)

Parameter(s):

#	Name	Short Name	Unit	Principal Investigator	Method/Device	Comment
1	Age	Age	ka b2k	Erhardt, Tobias	[View]	Age of the top of the sampling interval in years before 2000 on the GICC05 model
2	Conductivity, electrical	Cond electr	µS/cm	Erhardt, Tobias	[View]	Continuous Flow Analysis (CFA) [View]
3	Sodium	Na+	µg/kg	Erhardt, Tobias	[View]	Continuous Flow Analysis (CFA) [View]
4	Calcium	Ca2+	µg/kg	Erhardt, Tobias	[View]	Continuous Flow Analysis (CFA) [View]
5	Ammonium	[NH4]+	µg/kg	Erhardt, Tobias	[View]	Continuous Flow Analysis (CFA) [View]
6	Nitrate	[NO3]-	µg/kg	Erhardt, Tobias	[View]	Continuous Flow Analysis (CFA) [View]

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Status: Curation Level: Enhanced curation (CurationLevelC) [\[View\]](#)

Size: 57943 data points

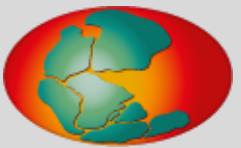
Data

Download dataset as tab-delimited text — use the following character encoding:

1	2	3	4	5	6
Age [ka b2k]	Cond electr [µS/cm]	Na+ [µg/kg]	Ca2+ [µg/kg]	[NH4]+ [µg/kg]	[NO3]- [µg/kg]
10.270	0.97481	21.13617	92.05018	9.23030	
10.280	1.00651	24.85040	97.14001	15.35469	
10.290	1.06079	15.11696	11.07612	90.15357	14.71130
10.300	1.15924	17.76899	13.92234	92.07414	11.07265
10.310	1.00412	17.57172	11.07155	89.50022	10.77008

Campaign: NGRIP

Event list: [Link](#)
Start: 1998-01-01
End: 1999-12-31



Specific features

- show further information on meta data

Svensson, Anders M; Andersen, Katrine K; Bigler, Matthias; Clausen, Henrik Brink; Dahl-Jensen, Dorthe; Davies, Siwan M; Johnsen, Sigfús Jóhann; Muscheler, Raimund; Rasmussen, Sune Olander; Röhlisberger, Regine; Steffensen, Jørgen Peder; Vinther, Bo Møllesøe (2006): The Greenland Ice Core Chronology 2005, 15-42 ka. Part 2: comparison to other records. *Quaternary Science Reviews*, 25(23-24), 3258-3267, DOI: <https://doi.org/10.1016/j.quascirev.2006.08.003>

Project(s): North Greenland Ice Core Project (NGRIP) [\[View\]](#)

Coverage: Latitude: 75.100000 * Longitude: -42.320000
Date/Time Start: 1996-07-01T00:00:00 * Date/Time End: 1996-07-01T00:00:00
Minimum Elevation: 2917.0 m * Maximum Elevation: 2917.0 m

Event(s): NGRIP (NorthGRIP) [\[View\]](#) * Latitude: 75.100000 * Longitude: -42.320000 * Date/Time: 1996-07-01T00:00:00 * Elevation: 2917.0 m * Location: Greenland [\[View\]](#) * Campaign: NGRIP [\[View\]](#) * Basis: Sampling/drilling ice [\[View\]](#) * Method/Device: Ice drill (ICEDRILL) [\[View\]](#)

Parameter(s):

#	Name	Short Name	Unit	Principal Investigator	Method/Device	Comment
1	Age	Age	ka b2k	Erhardt, Tobias	[View]	Age of the top of the sampling interval in years before 2000 in the GICC05mod
2	Conductivity, electrical	Cond electr	µS/cm	Erhardt, Tobias	[View]	Continuous Flow Analysis (CFA) [View]
3	Sodium	Na+	µg/kg	Erhardt, Tobias	[View]	Continuous Flow Analysis (CFA) [View]
4	Calcium	Ca2+	µg/kg	Erhardt, Tobias	[View]	Continuous Flow Analysis (CFA) [View]
5	Ammonium	[NH4]+	µg/kg	Erhardt, Tobias	[View]	Continuous Flow Analysis (CFA) [View]
6	Nitrate	[NO3]-	µg/kg	Erhardt, Tobias	[View]	Continuous Flow Analysis (CFA) [View]

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Status: Curation Level: Enhanced curation (CurationLevelC) [\[View\]](#)

Size: 57943 data points

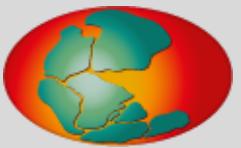
Data

Download dataset as tab-delimited text — use the following character encoding:

1	2	3	4	5	6
Age [ka b2k]	Cond electr [µS/cm]	Na+ [µg/kg]	Ca2+ [µg/kg]	[NH4]+ [µg/kg]	[NO3]- [µg/kg]
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10.280	1.00651	24.85040	97.14001	15.35469	
10.290	1.06079	15.11696	11.07612	90.15357	14.71130
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10.310	1.00412	17.57172	11.07155	89.50022	10.77008

Campaign: NGRIP

Event list: [Link](#)
Start: 1998-01-01
End: 1999-12-31



Download of search results

2. Download of search results

- differences after log in
- download of individual datasets
- download of dataset collections
- download of multiple data files



Differences after log in

differences after log in to prevent data harvest by a machine

PANGAEA.

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876 datasets found on search for »PAGES_C-PEAT«

< 1 2 3 4 5 6 7 8 9 10 >

1. Zhao, Y (2021): Geochemistry of ATM10-C4 peat core from China

Related to: Gallego-Sala, AV; Charman, DJ; Brewer, S et al. (2018): Latitudinal limits to the predicted increase of the peatland carbon sink with warming. *Nature Climate Change*

Zhao, Y (2021): Age determination of ATM10-C4 peat core from China.

Zhao, Y (2021): Calibrated ages of ATM10-C4 peat core from China.

Size: 296 data points

DOI: <https://doi.org/10.1594/PANGAEA.928257> - Download - Score: 8.21

2. Roland, TP (2021): Calibrated ages of Pulpito (PUL-14) peat core from Patagonia

Related to: Gallego-Sala, AV; Charman, DJ; Brewer, S et al. (2018): Latitudinal limits to the predicted increase of the peatland carbon sink with warming. *Nature Climate Change*

Roland, TP (2021): Age determination of Pulpito (PUL-14) peat core from Patagonia.

Roland, TP (2021): Geochemistry of Pulpito (PUL-14) peat core from Patagonia.

Size: 62 data points

DOI: <https://doi.org/10.1594/PANGAEA.929851> - Download - Score: 58.21

3. Charman, DJ; Gallego-Sala, AV (2021): Geochemistry of Sebangau swamp forest (SEB 5A) peat core from Borneo

Related to: Charman, DJ; Gallego-Sala, AV (2021): Age determination of Sebangau swamp forest (SEB 5A) peat core from Borneo.

Charman, DJ; Gallego-Sala, AV (2021): Calibrated ages with Pb210 of Sebangau swamp forest (SEB 5A) peat core from Borneo.

Charman, DJ; Gallego-Sala, AV (2021): Calibrated ages without Pb210 of Sebangau swamp forest (SEB 5A) peat core from Borneo.

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Size: 840 data points

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Kathrin Riemann-Campe



Not logged in



PANGAEA.

ALL TOPICS PAGES_C-PEAT SEARCH SUBMIT HELP ABOUT CONTACT

876 datasets found on search for »PAGES_C-PEAT«

< 1 2 3 4 5 6 7 8 9 10 >

1. Zhao, Y (2021): Geochemistry of ATM10-C4 peat core from China

Related to: Gallego-Sala, AV; Charman, DJ; Brewer, S et al. (2018): Latitudinal limits to the predicted increase of the peatland carbon sink with warming. *Nature Climate Change*

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DOI: <https://doi.org/10.1594/PANGAEA.929851> - Download - Score: 58.21

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Related to: Charman, DJ; Gallego-Sala, AV (2021): Age determination of Sebangau swamp forest (SEB 5A) peat core from Borneo.

Charman, DJ; Gallego-Sala, AV (2021): Calibrated ages with Pb210 of Sebangau swamp forest (SEB 5A) peat core from Borneo.

Charman, DJ; Gallego-Sala, AV (2021): Calibrated ages without Pb210 of Sebangau swamp forest (SEB 5A) peat core from Borneo.

(and more)

Size: 840 data points

DOI: <https://doi.org/10.1594/PANGAEA.928076> - Download - Score: 57.72



Download of individual datasets

individual dataset

example:

Bauer et al.(2022): Effects of artifical light at night (ALAN) on three benthic grazer species (*Arbacia lixula*, *Paracentrotus lividus*, *Cerithium* spp.) from the Adriatic Sea (June - August 2021): red light study. PANGAEA, <https://doi.org/10.1594/PANGAEA.952918>

Citation:

Bauer, Franz; Ritter, Marie; Siljeg, Anamarija; Lenz, Mark; Gretschen, Gerwin (2022): Effects of artifical light at night (ALAN) on three benthic grazer species (*Arbacia lixula*, *Paracentrotus lividus*, *Cerithium* spp.) from the Adriatic Sea (June - August 2021): red light study. PANGAEA, doi: <https://doi.org/10.1594/PANGAEA.952918>

In: Bauer, F et al. (2022): Effects of artifical light at night (ALAN) on three benthic grazer species (*Arbacia lixula*, *Paracentrotus lividus*, *Cerithium* spp.) from the Adriatic Sea (June - August 2021). PANGAEA, doi: <https://doi.org/10.1594/PANGAEA.952919>

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Abstract:

This data set shows the consumption rates of *Arbacia lixula*, *Cerithium* spp. and *Paracentrotus lividus* under red light.

Keyword(s):

Adriatic Sea; *Arbacia lixula*; Artificial Light at Night; benthic invertebrates; *Cerithium*; feeding rates; Food consumption rates; Mediterranean; *Paracentrotus lividus*

Project(s):

Global Approach by Modular Experiments (GAME)

Parameter(s):

#	Name	Short Name	Unit	Principal Investigator	Method/Device	Comment
1	Treatment	Treat		Bauer, Franz		
2	Species	Species		Bauer, Franz		
3	Replicate	Repl		Bauer, Franz		
4	Diameter	Diameter	cm	Bauer, Franz		animal
5	Wet mass	Wet m	g	Bauer, Franz		per snail group
6	Food pellet, fresh mass	Food pel fm	g	Bauer, Franz		original freshly produced food pellet prior to feeding
7	Food pellet, wet mass	Food pel wm	g	Bauer, Franz		wet pellet weight after feeding assay
8	Food pellet, dry mass	Food pel dm	g	Bauer, Franz		dried food pellet
9	Food pellet, dry mass	Food pel dm	g	Bauer, Franz		original freshly produced food pellet converted to dry weight
10	Food pellet, dry mass	Food pel dm	g	Bauer, Franz		wet pellet weight after feeding assay converted to dry weight
11	Food pellet, dry mass	Food pel dm	g	Bauer, Franz		food pellet weight corrected for pellet loss due to water soaking
12	Food pellet, consumed	Food pel cons	g	Bauer, Franz		

License:

Creative Commons Attribution 4.0 International (CC-BY-4.0)

Status:

Curation Level: Enhanced curation (CurationLevelC)

Size:

1142 data points

Download Data

Download dataset as tab-delimited text — use the following character encoding:

View dataset as HTML



Download of dataset collections

Bundled publication example:

Bauer et al. (2022): Effects of artificial light at night (ALAN) on three benthic grazer species (*Arbacia lixula*, *Paracentrotus lividus*, *Cerithium* spp.) from the Adriatic Sea (June - August 2021). PANGAEA,

<https://doi.org/10.1594/PANGAEA.952919>

Abstract: In laboratory experiments on field-collected animals (June-August 2021), we investigated the influence of three realistic artificial light at night (ALAN) regimes on food consumption rates and feeding rhythmicity in the sea urchins *Arbacia lixula* and *Paracentrotus lividus* and the snail *Cerithium* spp. from the Adriatic Sea (Pula, Croatia). Food consumption was assessed in assays with algal pellets, while feeding rhythms were documented with 24 h time-lapse photography. Both was done in animals that had been acclimated to ALAN for two weeks and in non-acclimated animals. We observed short-term and potential long-term alterations in the feeding rhythms of *Cerithium* spp. and *Paracentrotus lividus*, respectively, but found no lasting effects on consumption rates. Effects were less pronounced when ALAN was applied only part-night. Data contains (1) information about place and time of the animal collection, (2) details about the laboratory experiments, (3) measured food consumption rates under ALAN, (4) day-/night feeding behaviour under ALAN derived from time-lapse photography, and (5) consumption rates under red light. Data for all three species is provided.

Keyword(s): Adriatic Sea; *Arbacia lixula*; Artificial Light at Night; benthic invertebrates; *Cerithium*; feeding rates; Food consumption rates; Mediterranean; *Paracentrotus lividus*; time-lapse photography

Supplement to: Bauer, Franz; Ritter, Marie; Siljeg, Anamarija; Gretschel, Gerwin; Lenz, Mark (2022): Effects of artificial light at night on the feeding behaviour of three marine benthic grazers from the Adriatic Sea are species-specific and mostly short-lived. *Marine Pollution Bulletin*, 185, 114303, DOI: <https://doi.org/10.1016/j.marpolbul.2022.114303>

Project(s): Global Approach by Modular Experiments (GAME)

Event(s): Muzil_Bay_benthic-grazers * Latitude: 44.861440 * Longitude: 13.806864 * Date/Time Start: 2021-06-04T00:00:00 * Date/Time End: 2021-08-19T00:00:00 * Method/Device: Sampling by hand (HAND) * Comment: Air temperature: 23-29°C; water temperature: 21-27°C; salinity: 34.8-37.1 PSU

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Size: 5 datasets

Download Data

Download ZIP file containing all datasets as tab-delimited text — use the following character encoding:

Datasets listed in this bundled publication

1. Bauer, F; Ritter, M; Siljeg, A et al. (2022): Effects of artificial light at night (ALAN) on three benthic grazer species (*Arbacia lixula*, *Paracentrotus lividus*, *Cerithium* spp.) from the Adriatic Sea (June - August 2021): consumption rates experiment 1. DOI: <https://doi.org/10.1594/PANGAEA.952915>
2. Bauer, F; Ritter, M; Siljeg, A et al. (2022): Effects of artificial light at night (ALAN) on three benthic grazer species (*Arbacia lixula*, *Paracentrotus lividus*, *Cerithium* spp.) from the Adriatic Sea (June - August 2021): consumption rates experiment 2. DOI: <https://doi.org/10.1594/PANGAEA.952916>
3. Bauer, F; Ritter, M; Siljeg, A et al. (2022): Effects of artificial light at night (ALAN) on three benthic grazer species (*Arbacia lixula*, *Paracentrotus lividus*, *Cerithium* spp.) from the Adriatic Sea (June - August 2021): red light study. DOI: <https://doi.org/10.1594/PANGAEA.952918>
4. Bauer, F; Ritter, M; Siljeg, A et al. (2022): Effects of artificial light at night (ALAN) on three benthic grazer species (*Arbacia lixula*, *Paracentrotus lividus*, *Cerithium* spp.) from the Adriatic Sea (June - August 2021): time-lapse experiment 1. DOI: <https://doi.org/10.1594/PANGAEA.952906>
5. Bauer, F; Ritter, M; Siljeg, A et al. (2022): Effects of artificial light at night (ALAN) on three benthic grazer species (*Arbacia lixula*, *Paracentrotus lividus*, *Cerithium* spp.) from the Adriatic Sea (June - August 2021): time-lapse experiment 2. DOI: <https://doi.org/10.1594/PANGAEA.952914>



Download of multiple data files

dataset of multiple data files

example:

Belter et al.(2020): Electromagnetic induction raw data (EM Bird) of POLAR 6 during 2020 IceBird MOSAiC Summer campaign. PANGAEA, <https://doi.org/10.1594/PANGAEA.924916>

- download **dataset** including metadata and links
- download all linked **data files** as zip or tar file

Screenshot of a PANGAEA dataset page showing download options.

The URL in the browser is: <https://doi.pangaea.de/10.1594/PANGAEA.924916?format=html#download>

Key sections visible:

- Parameter(s):** A table showing parameters like Event label, Date/Time, Latitude, Longitude, and Binary objects.
- License:** Creative Commons Attribution 4.0 International (CC-BY-4.0)
- Size:** 15 data points
- Data:** A table listing 15 data points with columns for Event, Date/Time, Latitude, Longitude, and Binary (Size). One row is highlighted with a red border.

The highlighted row in the Data table is:

Event	Date/Time	Latitude	Longitude	Binary (Size) [Bytes]
P6_222_IceBird_MOSAiC_2020_2008050101	2020-08-05T11:23:00	54.288618	7.443570	7.5 MBytes

Below the table, a note says: "All binary files listed in data matrix can be downloaded as ZIP or TAR. Be careful: This download can be very large!"



Search and download via scripts

search and
download data sets
via R or python

https://github.com/pangaea-data-publisher/community-workshop-material/tree/master/Python/Get_pangaea_data

learn more
tomorrow ...

master ▾ community-workshop-material / Python / Get_pangaea_data / Go to file

mopyn Fixed bug: File did not save in metadata folder 51cb6e3 last week History

..

README.md Readme: Added link to PANGAEA logo 2 months ago

get_pangaea_data.ipynb Fixed bug: File did not save in metadata folder last week

README.md

 **PANGAEA.**
Community Workshops

How to retrieve data from PANGAEA

Version: 0.0.2
By: Michael Oellermann, Kathrin Riemann-Campe
Last updated: 2023-03-14

This notebook will guide you how to retrieve diverse earth- and environmental data and its metadata from the [PANGAEA data repository](#) using Python. It uses the [PangaeaPy package](#), to facilitate the data download.

Run this notebook in:

- GoogleColab: [Open in Colab](#)



Search and download via scripts

https://github.com/pangaea-data-publisher/community-workshop-material/tree/master/Python/Get_pangaea_data

Note:

- python example code is shown in GoogleColab
- if you want to exercise code, google account is needed
- downloading code is always possible

README.md

PANGAEA. Community Workshops

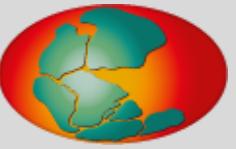
How to retrieve data from PANGAEA

Version: 0.0.2
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Last updated: 2023-03-14

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- [GoogleColab](#): Open in Colab



3. Documentation/Help

- PANGAEA Wiki pages

<https://wiki.pangaea.de>

Documentation/Help



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PANGAEA Wiki

This wiki is a dynamic manual and reference for the data library **PANGAEA® - Data Publisher for Earth & Environmental Science**. <https://www.pangaea.de/>

The **PANGAEA Wiki** is operated to support PANGAEA data providers and end-users in archiving, publishing and retrieving data. It is a reference & documentation user-guide for any questions and information related to PANGAEA and its operation.



Wiki

PANGAEA IN BRIEF

- About
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- Team



DATA SUBMISSION

For information on how data submission to PANGAEA works, what to do & and how to prepare your data please read [Data submission](#).



Research field specific [Best practice manuals and templates](#)
To submit data, please go to [Data submission page](#)
Also watch our [Video](#)

SIMPLE DATA SEARCH

- PANGAEA Search
- PANGAEA XML schema



PANGAEA IN DETAIL

- FAQ
- Further PANGAEA details
- Data policy
- PANGAEA Data model
- Editor role and task
- Dataset Status
- Dataset Registration status
- Citation of data published in PANGAEA
- Data Usage Statistics



MISCELLANEOUS

- News
- Open positions
- Research Vessel expedition archive
- Project data catalogue
- Station lists (German research vessels)
- PANGAEA Logos



ADVANCED SEARCH, INTEROPERABILITY AND SERVICES

- Interoperability and Services
- Tools
- Web services
- Export
- Data warehouse
- RSS
- Technology
- OAI-PMH
- GIS visualization
- PANGAEA Bathymetry Web Map Services



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MISCELLANEOUS

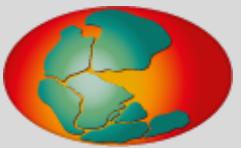
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<https://wiki.pangaea.de>

SIMPLE DATA SEARCH

- PANGAEA Search
- PANGAEA XML schema

Today's topic



**ADVANCED SEARCH,
INTEROPERABILITY AND
SERVICES**

- Interoperability and Services 
- Tools 
- Web services 
- Export
- Data warehouse
- RSS
- Technology
- OAI-PMH
- GIS visualization
- PANGAEA Bathymetry Web Map Services

Tomorrow's topic





[https://wiki.pangaea.de/
wiki/PANGAEA search](https://wiki.pangaea.de/wiki/PANGAEA_search)

Screenshot of the PANGAEA Wiki page for "PANGAEA search".

The URL in the browser is https://wiki.pangaea.de/wiki/PANGAEA_search. The page title is "PANGAEA search" (Redirected from PANGAEA Search).

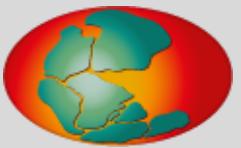
The left sidebar includes links such as PANGAEA Wiki Home, PANGAEA Wiki Intern, Technical Docs, specials, Recent changes, Tools, What links here, Related changes, Special pages, Printable version, Permanent link, and Page information.

The main content area is titled "Basic search". It describes how to find data using the search engine on the PANGAEA home page. It mentions that datasets can be found by keywords and matching descriptions, supported by autocomplete. It also explains Boolean expressions and provides a screenshot of the search field on the PANGAEA home page.

The "Filtering of search results" section explains how results can be filtered using facets in the left panel. It lists categories like Dataset Author, Dataset Publication Year, Topic, Project, Basis, Method/Device, Campaign and, and Location. It also notes that results can be filtered by geographical coordinates and date.

Three screenshots are shown on the right side:

- "Search field on PANGAEA home" (Screenshot of the search bar on the PANGAEA home page).
- "Filtering of search results" (Screenshot of the search results page with facets visible on the left).
- A third screenshot (partially visible) which appears to be another view of the search results or a different part of the interface.



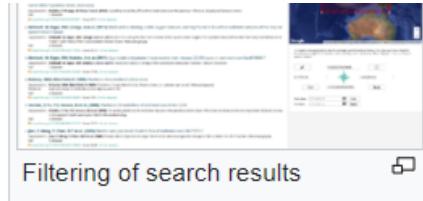
https://wiki.pangaea.de/wiki/PANGAEA_search

Advanced search

Choosing search terms

When choosing search terms keep in mind:

- Try the obvious first. If you're looking for information on the grain size of sediment, enter "grain size" rather than "sediments"
- Use words likely to appear on a site with the information you want. "Holocene ice Lazarev" gets better results than "Holocene ice extension from the Lazarev Sea shelf".



Filtering of search results

Capitalization

PANGAEA searches are NOT case sensitive. All letters, regardless of how you type them, will be understood as lower case. For example, searches for "marine geology", "Marine Geology", and "mArInE gEoLoGy" will all return the same results.

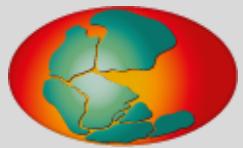
Using query operators

PANGAEA Search uses per default the "AND" logic to combine the search terms. This means that all entered terms must be in the searched documents. To find documents that contain either one or another term (or both) concatenate by "OR". For example, enter "falconensis OR bulloides" to get all datasets that contain one of the terms.

The use of "AND" between keywords is optional. If you want to combine "AND" and "OR", use brackets - for example: "Globigerina AND (falconensis OR bulloides)".

Excluding searches by using "-"

To exclude certain keywords add a minus sign ("-") immediately before the search term you want to avoid (be sure to include a space before the minus sign).

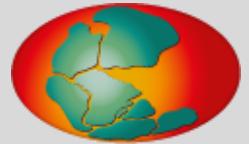


https://wiki.pangaea.de/wiki/PANGAEA_search

Field name	Function
project:	Search for keywords in projects
project:label:	Matches a project label
author:	Search for authors of datasets or assigned references
citation:author:	Search for authors of datasets only in the citation
pi:	Search for datasets with Principal Investigator (PI)
citation:	Search for keywords in the citation
reference:	Search for keywords in assigned references
year:	Search for datasets or assigned references published in a specific year
citation:year:	Search for datasets only published in a specific year
parameter:	Search for keywords in parameter names
method:	Search for keywords in method names
event:label:	Search for event labels
basis:	Search for basis eg. ship or research station
campaign:	Search for research campaigns
sensorURI: [*] ↗	Search for datasets with a Sensor URI (link to sensor.awi.de)

Query examples

marine	Finds datasets that contain "marine".
marine geology	Finds datasets that contain both "marine" and "geology"
"marine geology"	Placing quotation marks around any series of words turns them into sets that have the words in this specific order.
marine geology -organic	Finds datasets that contains both "marine" and "geology" but not "organic".
Globigerina AND (falconensis OR bulloides)	Finds datasets that contain "Globigerina" and either "falconensis" or "bulloides".
~Neogloboquadrina	Finds datasets with "Neogloboquadrina" regardless of your spelling.
project:label:IMAGES	Finds datasets that belong to project "IMAGES"
citation:author:Mackensen	Finds datasets of author "Mackensen"
m?ller	Finds "Müller", "Muller" or "Miller". Use this to specify characters you are not sure about.



https://wiki.pangaea.de/wiki/PANGAEA_search

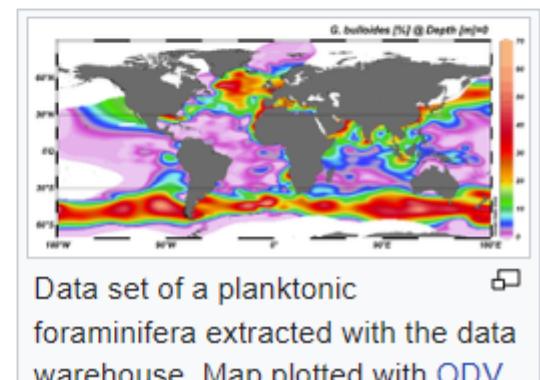
Data warehouse

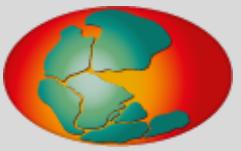
The **data warehouse** is a tool to combine data from different PANGAEA datasets in one file. With a login the < Data warehouse > button is visible after submitting a query. The button links to a page which allows to configure geocodes and parameters for an export table. Parameters are listed in order by a score which depends on the query.

Example:

The following example will produce a distribution map of a plankton shell in the world ocean sediments.

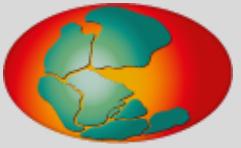
- go to <http://www.pangaea.de>
- login (or sign up for an account)
- search for *bulloides* (species name of a planktonic foraminifera)
- click on < Data warehouse > (a button on the upper right of the page)
- choose:
 - Latitude
 - Longitude
 - Depth, sediment [m]
 - *Globigerina bulloides* [%]



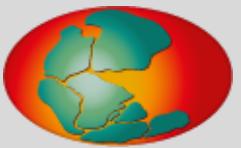


Quiz

Quiz



1. How many data sets are found for the project FRAM?



1. How many data sets are found for the project FRAM?

Not logged in

 PANGAEA.

ALL TOPICS ▾

SEARCH SUBMIT HELP ABOUT CONT.

Filter by...

2288 datasets found on search for »fram« with facet filters

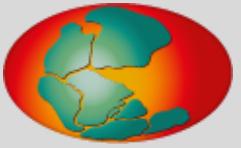
< 1 2 3 4 5 6 7 8 9 10 >

Dataset Author
Nicolaus, Marcel (1774)

Project
 FRAM (2288) AWI_Sealce (2005) MOSAiC (1980) AWI_Paleo (497) Hausgarten (324)

1. **Tell, F:** Planktonic foraminifera shell parameter, carbonate and particulate organic carbon fluxes
Size: 46 datasets
 <https://doi.org/10.1594/PANGAEA.904565> – Score: 36.85

7. **Liu, Y; Boss, E; Chase, AP et al. (2019):** Phytoplankton pigment concentrations measured by HPLC and estimated from underway spectrophotometry, and the particulate absorption and attenuation spectra derived from underway spectrophotometry during POLARSTERN cruises PS93.2, PS99.2 and PS107



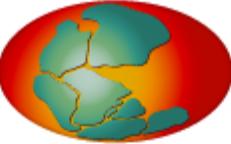
1. How many data sets are found for the project FRAM?
2. How many of these were done during campaign PS122/1?

Solution: 163



1. How many data sets are found for the project FRAM?
2. How many of these were done during campaign PS122/1?

Not logged in  

 PANGAEA.

ALL TOPICS ▾  SEARCH SUBMIT HELP ABOUT CONTACT

Filter by...
PS122/1 

163 datasets found on search for »fram« with facet filters

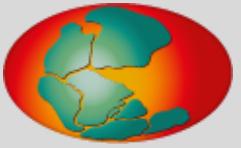
< 1 2 3 4 5 6 7 8 9 10 >

Project
 MOSAiC (200)
 AWI_Sealce (163)
 FRAM (163)
 IceSense (29)
 AC3 (6)
 APICE (5)

Related to: Nicolaus, M; Perovich, DK; Spreen, G et al. (2022): Overview of the MOSAiC expedition: Snow and sea ice.
Size: 90 datasets
 <https://doi.org/10.1594/PANGAEA.951647> – Score: 6.14

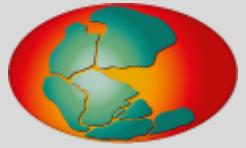
3. Anhaus, P; Katlein, C; Matero, I et al. (2022): Absorbance and spectral absorption coefficient (SAC) parameters from remotely operated vehicle (ROV) surveys during the MOSAiC expedition 2019/20

Quiz



1. How many data sets are found for the project FRAM?
2. How many of these were done during campaign PS122/1?
3. How many of these used a remote operated vehicle (ROV)?

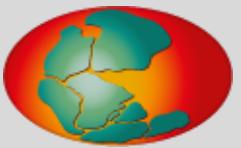
Quiz



1. How many data sets are found for the project FRAM?
2. How many of these were done during campaign PS122/1?
3. How many of these used a remote operated vehicle (ROV)?

Hint: https://wiki.pangaea.de/wiki/PANGAEA_search

Solution 1: 0



1. How many data sets are found for the project FRAM?
2. How many of these were done during campaign PS122/1?
3. How many of these used a remote operated vehicle (ROV)?

Hint: https://wiki.pangaea.de/wiki/PANGAEA_search

PANGAEA.

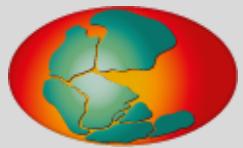
ALL TOPICS ▾

project:fram campaign:PS122/1 method:"remote operated vehicle"

3792 datasets found on search for »project:fram campaign:...«

Your query requires all search terms to be in the results, but produced no hits. Because of this, the behaviour was changed to show a ranked list of hits with any of the terms. To enforce query terms in the results, you may prefix them by "+".

< 1 2 3 4 5 6 7 8 9 10 >



1. How many data sets are found for the project FRAM?
2. How many of these were done during campaign PS122/1?
3. How many of these used a remote operated vehicle (ROV)?

The screenshot shows the PANGAEA dataset search interface. The search query 'project:fram campaign:PS122/1' has returned 163 datasets. The results page displays a list of datasets, with the first one being:

1. Anhaus, P; Katlein, C; Matero, I et al. (2023): Videos from remotely operated vehicle (ROV) surveys during the MOSAiC expedition 2019/20

Related to: Katlein, C; Schiller, M; Belter, HJ et al. (2017): A New Remotely Operated Sensor Platform for Interdisciplinary Observations under Sea Ice. *Frontiers in Marine Science*
Nicolaus, M; Perovich, DK; Spreen, G et al. (2022): Overview of the MOSAiC expedition: Snow and sea ice.

Size: 142 datasets

<https://doi.org/10.1594/PANGAEA.953144> - Score: 19.73

Filter by... (Search bar)

ALL TOPICS ▾ **project:fram campaign:PS122/1**

163 datasets found on search for »project:fram campaign:...«

< 1 2 3 4 5 6 7 8 9 10 >

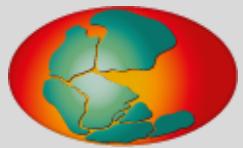
Dataset Publication Year

- 2023 (80)
- 2022 (82)
- 2021 (1)

Topic

- Ecology (110)
- Environmental Sciences (110)
- Chemistry (17)

Quiz



1. How many data sets are found for the project FRAM?
2. How many of these were done during campaign PS122/1?
3. How many of these used a remote operated vehicle (ROV)?

Hint: https://wiki.pangaea.de/wiki/PANGAEA_search

Event(s):

[PS122/1_5-62](#) * Latitude: 85.849719 * Longitude: 122.521442 * Date/Time: 2019-11-02T07:24:00 * Elevation: -4398.4 m * Sensor URI: sensor.awi.de * Campaign: PS122/1 (MOSAiC20192020)
 * Basis: Polarstern [Q](#) * Method/Device: Remotely operated sensor platform BEAST (BEAST) [Q](#) * Comment: 20191102_1: vv

[PS122/1_6-16](#) * Latitude: 85.948300 * Longitude: 118.753756 * Date/Time: 2019-11-05T05:44:00 * Elevation: -4409.1 m * Sensor URI: sensor.awi.de * Campaign: PS122/1 (MOSAiC20192020)
 * Basis: Polarstern [Q](#) * Method/Device: Remotely operated sensor platform BEAST (BEAST) [Q](#) * Comment: 20191105_1: deployed BEAST for multibeam sonar survey of OASIS

[PS122/1_6-31](#) * Latitude: 85.920923 * Longitude: 117.828704 * Date/Time: 2019-11-06T01:35:00 * Elevation: -4411.6 m * Sensor URI: sensor.awi.de * Campaign: PS122/1 (MOSAiC20192020)
 * Basis: Polarstern [Q](#) * Method/Device: Remotely operated sensor platform BEAST (BEAST) [Q](#) * Comment: 20191106_1: fishing line deployment

Show more...



1. How many data sets are found for the project FRAM?
2. How many of these were done during campaign PS122/1?
3. How many of these used a remote operated vehicle (ROV)?

Hint: https://wiki.pangaea.de/wiki/PANGAEA_search

PANGAEA.

ALL TOPICS ▼ method:"Remotely operated sensor platform BEAST" project:fram campaign:ps122/1

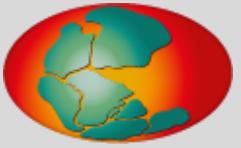
163 datasets found on search for »method:"Remotely opera...« with facet filters

< 1 2 3 4 5 6 7 8 9 10 >

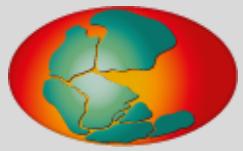
1. Anhaus, P; Katlein, C; Matero, I et al. (2023): Videos from remotely operated vehicle (ROV) surveys during the MOSAiC expedition 2019/20

Related to: Katlein, C; Schiller, M; Belter, HJ et al. (2017): A New Remotely Operated Sensor Platform for Interdisciplinary Observations

Quiz



1. How many data sets are found for the project FRAM?
2. How many of these were done during campaign PS122/1?
3. How many of these used a remote operated vehicle (ROV)?
4. Where can I find a list of all methods?



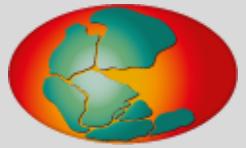
1. How many data sets are found for the project FRAM?
2. How many of these were done during campaign PS122/1?
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4. Where can I find a list of all methods?

<https://wiki.pangaea.de/wiki/Method>

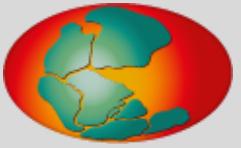
Method list

- Complete list of methods used in PANGAEA ↗

Quiz



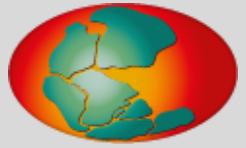
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5. What is most important while using data warehouse?
 - before and after usage



1. How many data sets are found for the project FRAM?
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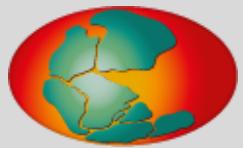
before: be specific (search, averaging, method)

after: **Never forget to cite ALL individual data sets!**



1. How many datasets are found for the project FRAM?
2. How many of these were done during campaign PS122/1?
3. How many of these used a remote operated vehicle (ROV)?
4. Where can I find a list of all methods?
5. What is most important while using data warehouse?
 - before and after usage
6. How many datasets are found for the parameter: "pressure, air" covering the time range 2016-01-01 until 2020-12-31?

Solution: 75



1. How many datasets are found for the project FRAM?
2. How many of these were done during campaign PS122/1?
3. How many of these used a remote operated vehicle (ROV)?
4. Where can I find a list of all methods?
5. What is most important while using data warehouse?
 - before and after usage
6. How many datasets are found for the parameter: "pressure, air"

PANGAEA.

The screenshot shows the PANGAEA search interface. At the top, there is a teal header bar with the text "ALL TOPICS" and a dropdown arrow on the left, and a search bar containing the query "parameter:'pressure, air'" on the right. A magnifying glass icon is at the end of the search bar. Below the header, a large search results area displays the message "75 datasets found on search for »parameter:'pressure, air"« with temporal coverage". To the right of this message is a search filter panel with two input fields: "Start date: 2016-01-01" and "End date: 2020-12-31". Next to each date field is a calendar icon, and to the right of the date fields are "Clear" and "Apply" buttons. The background of the page features a faint world map.