

Search and download

Amelie Driemel & Kathrin Riemann-Campe



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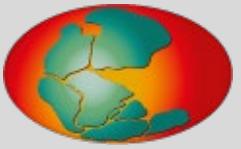
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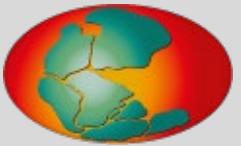


U Universität
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1. Several approaches to search the data base
2. Download of search results
3. Documentation/Help
4. Exercises

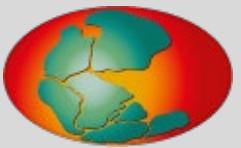
Several approaches to search the data base



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



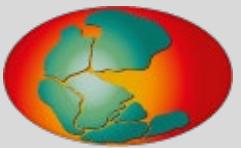
Query: [not](#)

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

Index

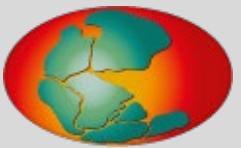
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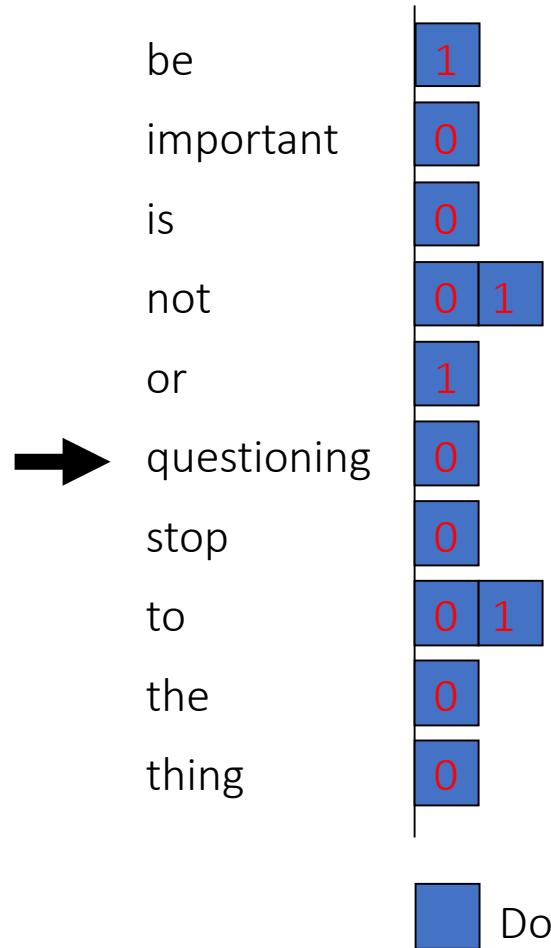
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Search: Inverted Index

Inverted index



Query: not

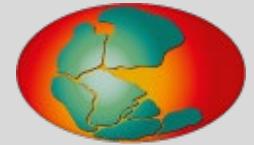
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The important thing is not to
stop questioning.

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To be or not to be.

Search via keywords



start with any keyword

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OCEANS (21906) ECOLOGY (18583)

CRYOSPHERE (1680) LAKES & RIVERS (757)

LAND SURFACE (8095) HUMAN DIMENSIONS (553)

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GEOPHYSICS (3979) AGRICULTURE (143)

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MOSAiC

MOSAiC

MOSAiC expedition

MOSAiC-ACA

MOSAiC-ICE

MOSAiC20192020

MOSAiC_ATMOS

MOSAiC_BGC

MOSAiC_ECO

MOSAiC_ICE

MOSAiC_SNOW

Mosaic

2022-05-11 REGISTRATION IS OPEN! PANGAEA DE.NBI - COMMUNITY WORKSHOP: FINDING AND RETRIEVING DATA FROM PANGAEA

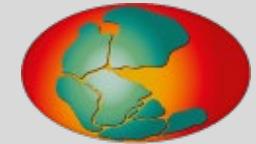
de.NBI The in total four-hour hands-on workshop focuses on finding and using datasets already published on PANGAEA, and gives an in-depth introduction to various methods of systematically finding desired datasets for one's particular task and making them available for further use and analysis. You can join online at the 02. and 03. of June 2022, each day at 10am - 12am CEST (UTC+2)

2022-03-21 DFG SPECIFIES THE REQUIREMENTS FOR HANDLING RESEARCH DATA IN FUNDING APPLICATIONS

DFG A subject-specific, adequate handling of research data on which scientific projects are based or which arise during their implementation is an essential part of quality-oriented and connectable research. The German Research Foundation (DFG) is now specifying the requirements for handling research data in applications for individual and collaborative projects and making information on this mandatory.

Show all 54 news items...

Search via keywords



refine with facet filter

https://pangaea.de/?q=MOSAiC&f.project[]=%MOSAiC

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ALL TOPICS ▾ MOSAiC

SEARCH SUBMIT HELP ABOUT CONTACT

Filter by...

Dataset Author

- Nicolaus, Marcel (424)
- Katlein, Christian (385)
- Regnery, Julia (381)
- Arndt, Stefanie (375)
- Matero, Ilkka (374)
- Rohde, Jan (373)
- Krampe, Daniela (372)
- Lange, Benjamin Allen (371)
- more...

Dataset Publication Year

- 2022 (600)
- 2021 (450)
- 2020 (78)
- 2019 (2)

Topic

- Chemistry (511)
- Inorganic Chemistry (312)
- Atmosphere (49)
- Geosciences, Multidisciplinary (28)
- Lithosphere (28)
- Cryosphere (15)
- Organic Chemistry (8)
- Ecology (7)
- more...

Project

- MOSAiC (1130)
- AWI_Seale (389)
- FRAM (368)
- AC3 (193)
- Transpolar Drift (73)
- HAVOC (33)
- MIDO (32)
- AWI_Meteo (28)
- more...

Basis

- Polarstern (955)
- Akademik Fedorov (137)

1130 datasets found on search for »MOSAiC« with facet filters

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

1. 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
Size: 2 datasets
<https://doi.org/10.1594/PANGAEA.937949> - Score: 54.09

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 2019V3, deployed during MOSAiC 2019/20
Size: 2 datasets
<https://doi.org/10.1594/PANGAEA.937944> - Score: 54.09

3. von Albedyll, L; Haas, C; Grodofzig, R (2021): EM-Bird ice thickness measurements in the Transpolar Drift during MOSAiC 2019/2020, part 1
Related to: von Albedyll, L; Hendricks, S; Grodofzig, R et al. (2022): Thermodynamic and dynamic contributions to seasonal Arctic sea ice thickness distributions from airborne observations. *Elementa - Science of the Anthropocene*
Size: 14 datasets
<https://doi.org/10.1594/PANGAEA.934578> - Score: 54.09

4. Brauchle, J; Krumpen, T (2021): Sea ice aerial images (MACS camera) of POLAR 6 during 2020 IceBird MOSAiC Summer campaign
Size: 10 datasets
<https://doi.pangaea.de/10.1594/PANGAEA.938777> - Score: 53.47

5. 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 2019V1, deployed during MOSAiC 2019/20
Size: 2 datasets
<https://doi.org/10.1594/PANGAEA.937212> - Score: 53.18

6. 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: 52.1

7. 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 2019V2, deployed during MOSAiC 2019/20

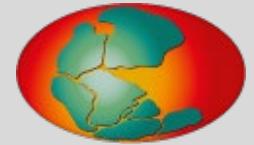
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To create a new geographic search coverage, use the buttons and input fields below. The button in the top-left of wind rose selects the area around your current location. For setting the map, select the viewport button (top-right of wind rose) and 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 Clear

End date: YYYY-MM-DD Apply



Search via keywords

refine with facet filter

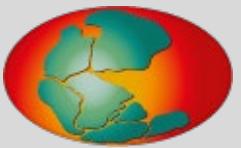
- some filters can be checked and unchecked: e.g. “Project”
- some filters can be selected and removed via upper left hand panel

The screenshot shows the PANGAEA search results for the query "MOSAiC". A red circle highlights the "Filter by..." sidebar on the left, which contains various facets for refining the search results. The main content area displays 51 datasets found, with the first few listed below:

1. Nicolaus, M; Riemann-Campe, K; Bliss, A et al. (2021): Drift trajectories of the main sites of the Distributed Network of MOSAiC 2019/2020
Related to: Nicolaus, M; Pervovich, DK; Spreen, G et al. (2022): Overview of the MOSAiC expedition: Snow and sea ice.
Nicolaus, M; Riemann-Campe, K; Bliss, A et al. (2021): Drift trajectories of the main sites of the Distributed Network and the Central Observatories of MOSAiC 2019/2020. epic
Size: 15 datasets
<https://doi.org/10.1594/PANGAEA.927204> - Score: 34.41
2. Rex, M (2021): Master track from POLARSTERN helicopter flight PS122/4_47-96 in 1 sec resolution (zipped, 69 kBytes)
Size: 68.8 kBytes
<https://doi.org/10.1594/PANGAEA.927485> - Score: 19.14
3. Rex, M (2021): Master track from POLARSTERN helicopter flight PS122/4_44-78 in 1 sec resolution (zipped, 56 kBytes)
Size: 55.8 kBytes
<https://doi.org/10.1594/PANGAEA.927468> - Score: 19.14
4. Rex, M (2021): Master track from POLARSTERN helicopter flight PS122/4_45-36 in 1 sec resolution (zipped, 59 kBytes)
Size: 59.4 kBytes
<https://doi.org/10.1594/PANGAEA.927475> - Score: 19.14
5. Rex, M (2021): Master track from POLARSTERN helicopter flight PS122/4_48-69 in 1 sec resolution (zipped, 78 kBytes)
Size: 77.8 kBytes
<https://doi.org/10.1594/PANGAEA.927486> - Score: 19.06
6. Rex, M (2021): Master track from POLARSTERN helicopter flight PS122/4_46-36 in 1 sec resolution (zipped, 72 kBytes)
Size: 71.6 kBytes
<https://doi.org/10.1594/PANGAEA.927480> - Score: 18.89
7. Rex, M (2021): Master track from POLARSTERN helicopter flight PS122/4_46-40 in 1 sec resolution (zipped, 60 kBytes)
Size: 59.8 kBytes
<https://doi.org/10.1594/PANGAEA.927482> - Score: 18.89
8. Rex, M (2021): Master track from POLARSTERN helicopter flight PS122/4_45-112

The right side of the interface includes a map view, search controls, and navigation buttons.

Search via keywords



- all keywords are automatically combined with “AND”
- NOTE: main search panel works different than facet filter

https://pangaea.de/?q=mosaic+rex+markus+polarstern+PS122%2F4+2021

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ALL TOPIC

mosaic rex markus polarstern PS122/4 2021

SEARCH SUBMIT HELP ABOUT CONTACT

Filter by...

163 datasets found on search for »mosaic rex markus pola...«

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

1. Rex, M (2021): Master tracks in different resolutions of helicopter flights during POLARSTERN campaign PS122/4
Size: 25 datasets
<https://doi.org/10.1594/PANGAEA.927526> - Score: 217.35

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 2019V3, deployed during MOSAIC 2019/20
Size: 2 datasets
<https://doi.org/10.1594/PANGAEA.937944> - Score: 151.24

3. von Albedyll, L; Haas, C; Grodofzig, R (2021): EM-Bird ice thickness measurements in the Transpolar Drift during MOSAIC 2019/2020, part 1
Related to: von Albedyll, L; Hendricks, S; Grodofzig, R et al. (2022): Thermodynamic and dynamic contributions to seasonal Arctic sea ice thickness distributions from airborne observations. Elementa - Science of the Anthropocene
Size: 14 datasets
<https://doi.org/10.1594/PANGAEA.934578> - Score: 145.63

4. Egerer, U; Pilz, C; Lonardi, M et al. (2021): Tethered balloon-borne measurements of turbulence during MOSAiC leg 4 in July 2020
Size: 8 datasets
<https://doi.org/10.1594/PANGAEA.931404> - Score: 136.13

5. Nicolaus, M; Riemann-Campe, K; Bliss, A et al. (2021): Drift trajectories of the main sites of the Distributed Network of MOSAiC 2019/2020
Related to: Nicolaus, M; Perovich, DK; Spreen, G et al. (2022): Overview of the MOSAiC expedition: Snow and sea ice.
Nicolaus, M; Riemann-Campe, K; Bliss, A et al. (2021): Drift trajectories of the main sites of the Distributed Network and the Central Observatories of MOSAiC 2019/2020. epic
Size: 15 datasets
<https://doi.org/10.1594/PANGAEA.937204> - Score: 135.68

6. Hoppmann, M; Kuznetsov, I; Fang, Y-C et al. (2021): Raw data of CTD buoys 2019O1 to 2019O8 as part of the MOSAiC Distributed Network
Related to: Hoppmann, M; Kuznetsov, I; Fang, Y-C et al.: Mesoscale observations of temperature and salinity in the Arctic Transpolar Drift: a high-resolution dataset from the MOSAiC Distributed Network. Earth System Science Data
Krumpen, T; Sokolov, V (2020): The Expedition AF122/1 : Setting up the MOSAiC Distributed Network in October 2019 with Research Vessel AKADEMIEK FEDOROV. Berichte zur Polar- und Meeresforschung = Reports on Polar and Marine Research

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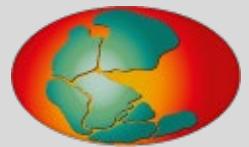
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Search via keywords



facet filter

keywords in main search panel

PANGAEA

ALL TOPICS MOSAiC

SEARCH SUBMIT HELP ABOUT CONTACT

Filter by...

Rex, Markus × Polarstern × PS122/4 × Remove filter

Dataset Author

- Hoppmann, Mario (3)
- Bliss, Angela (2)
- Granskog, Mats A (2)
- Haas, Christian (2)
- Hutchings, Jennifer K (2)
- Kanzow, Torsten (2)
- Krishfield, Richard A (2)
- Lei, Ruibo (2)
- more...

Dataset Publication Year

- 2021 (51)

Topic

- Chemistry (1)
- Inorganic Chemistry (1)

Project

- MOSAiC (51)

Basin

- Akademik Fedorov (1)
- Akademik Tryoshnikov (1)

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

< 1 2 3 4 5 6 >

1. Nicolaus, M; Riemann-Campe, K; Bliss, A et al. (2021): Drift trajectories of the main sites of the Distributed Network of MOSAiC 2019/2020

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

Nicolaus, M; Riemann-Campe, K; Bliss, A et al. (2021): Drift trajectories of the main sites of the Distributed Network and the Central Observatories of MOSAiC 2019/2020. epic

Size: 15 datasets

<https://doi.org/10.1594/PANGAEA.937204> - Score: 34.41

2. Rex, M (2021): Master track from POLARSTERN helicopter flight PS122/4_47-96 in 1 sec resolution (zipped, 69 kBbytes)

Size: 68.8 kBbytes

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4. Rex, M (2021): Master track from POLARSTERN helicopter flight PS122/4_45-36 in 1 sec resolution (zipped, 59 kBbytes)

Size: 59 kBbytes

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PANGAEA

ALL TOPICS mosaic rex markus polarstern PS122/4 2021

SEARCH SUBMIT HELP ABOUT CONTACT

Filter by...

Dataset Author

- Rex, Markus (69)
- Lonardi, Michael (28)
- Pilz, Christian (28)
- Siebert, Holger (28)
- Wehner, Birgit (19)
- Hoppmann, Mario (18)
- Beck, Ivo (12)
- Jokinen, Tuja (12)
- more...

Dataset Publication Year

- 2022 (36)
- 2021 (127)

Topic

- Chemistry (47)
- Inorganic Chemistry (12)
- Geosciences, Multidisciplinary (6)
- Lithosphere (6)
- Organic Chemistry (6)
- Cryosphere (3)

Project

163 datasets found on search for »mosaic rex markus pola...«

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Size: 25 datasets

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Size: 2 datasets

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Size: 14 datasets

<https://doi.org/10.1594/PANGAEA.934578> - Score: 145.63

4. Egerer, U; Pilz, C; Lonardi, M et al. (2021): Tethered balloon-borne measurements of turbulence during MOSAiC leg 4 in July 2020

Size: 8 datasets

<https://doi.org/10.1594/PANGAEA.931404> - Score: 136.12

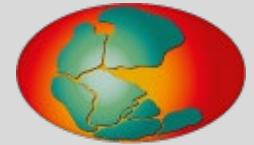
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W N E



Search via keywords

facet filter

<https://pangaea.de/?q=mosaic&f.author%5B%5D=Re x%2C+Markus&f.basis%5B%5D=Polarstern&f.campai gn%5B%5D=PS122%2F4&f.pubyear%5B%5D=2021&f. project%5B%5D=MOSAiC>

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ALL TOPICS MOSAiC

SEARCH SUBMIT HELP ABOUT CONTACT

Filter by...

Rex, Markus × Polarstern × PS122/4 ×

Remove filter

Dataset Author

- Hoppmann, Mario (3)
- Bliss, Angela (2)
- Granskog, Mats A. (2)
- Haas, Christian (2)
- Hutchings, Jennifer K. (2)
- Kenzow, Torsten (2)
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2. Nicolaus, M; Riemann-Campe, K; Bliss, A et al. (2021): Drift trajectories of the main sites of the Distributed Network and the Central Observatories of MOSAiC 2019/2020. epic

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Size: 68.8 kBytes
<https://doi.org/10.1594/PANGAEA.927485> - Score: 19.14

4. Rex, M (2021): Master track from POLARSTERN helicopter flight PS122/4_44-78 in 1 sec resolution (zipped, 56 kBytes)
Size: 55.8 kBytes
<https://doi.org/10.1594/PANGAEA.927468> - Score: 19.14

5. Rex, M (2021): Master track from POLARSTERN helicopter flight PS122/4_45-36 in 1 sec resolution (zipped, 59 kBytes)
<https://doi.org/10.1594/PANGAEA.927480> - Score: 19.14

Map Satellite

Google Map Data 2000 km Terms of Use

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!

W N E S

keywords in main search panel

<https://pangaea.de/?q=mosaic+rex+markus+polarster n+PS122%2F4+2021>

PANGAEA

ALL TOPICS

mosaic rex markus polarstern PS122/4 2021

SEARCH SUBMIT HELP ABOUT CONTACT

Filter by...

163 datasets found on search for »mosaic rex markus pola...«

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

Dataset Author

- Rex, Markus (69)
- Lonardi, Michael (28)
- Pilz, Christian (28)
- Siebert, Holger (28)
- Wehner, Birgit (19)
- Hoppmann, Mario (18)
- Beck, Ivo (12)
- Jokinen, Tuija (12)
- more...

Dataset Publication Year

- 2022 (36)
- 2021 (127)

Topic

- Chemistry (47)
- Inorganic Chemistry (12)
- Geosciences, Multidisciplinary (6)
- Lithosphere (6)
- Organic Chemistry (6)
- Cryosphere (3)

Project

1. Rex, M (2021): Master tracks in different resolutions of helicopter flights during POLARSTERN campaign PS122/4
Size: 25 datasets
<https://doi.org/10.1594/PANGAEA.927526> - Score: 217.35

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 2019V3, deployed during MOSAiC 2019/20
Size: 2 datasets
<https://doi.org/10.1594/PANGAEA.937944> - Score: 151.24

3. von Albedyll, L; Haas, C; Grodofzig, R (2021): EM-Bird ice thickness measurements in the Transpolar Drift during MOSAiC 2019/2020, part 1
Related to: von Albedyll, L; Hendricks, S; Grodofzig, R et al. (2022): Thermodynamic and dynamic contributions to seasonal Arctic sea ice thickness distributions from airborne observations. Elementa - Science of the Anthropocene
Size: 14 datasets
<https://doi.org/10.1594/PANGAEA.934578> - Score: 145.63

4. Egerer, U; Pilz, C; Lonardi, M et al. (2021): Tethered balloon-borne measurements of turbulence during MOSAiC leg 4 in July 2020
Size: 8 datasets
<https://doi.org/10.1594/PANGAEA.931404> - Score: 196.13

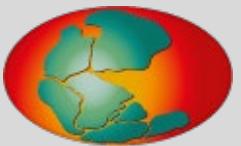
Map Satellite

Google Keyboard shortcuts Map Data 2000 km Terms of Use

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!

W N E S

Search via keywords



- all keywords are automatically combined with “AND”

https://pangaea.de/?q=mosaic+rex+markus+polarstern+PS122%2F4+2021

PANGAEA.

ALL TOPICS ▾ mosaic rex markus polarstern PS122/4 2021

SEARCH SUBMIT HELP ABOUT CONTACT

SHOW MAP GOOGLE EARTH DATA WAREHOUSE

Filter by...

163 datasets found on search for »mosaic rex markus pola...«

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

1. Rex, M (2021): Master tracks in different resolutions of helicopter flights during POLARSTERN campaign PS122/4
Size: 25 datasets
DOI: <https://doi.org/10.1594/PANGAEA.927526> - Score: 217.35

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 2019V3, deployed during MOSAIC 2019/20
Size: 2 datasets
DOI: <https://doi.org/10.1594/PANGAEA.937944> - Score: 151.24

3. von Albedyll, L; Haas, C; Grodofzig, R (2021): EM-Bird ice thickness measurements in the Transpolar Drift during MOSAIC 2019/2020, part 1
Related to: von Albedyll, L; Hendricks, S; Grodofzig, R et al. (2022): Thermodynamic and dynamic contributions to seasonal Arctic sea ice thickness distributions from airborne observations. Elementa - Science of the Anthropocene
Size: 14 datasets
DOI: <https://doi.org/10.1594/PANGAEA.934578> - Score: 145.63

4. Egerer, U; Pilz, C; Lonardi, M et al. (2021): Tethered balloon-borne measurements of turbulence during MOSAiC leg 4 in July 2020
Size: 8 datasets
DOI: <https://doi.org/10.1594/PANGAEA.931404> - Score: 136.13

5. Nicolaus, M; Riemann-Campe, K; Bliss, A et al. (2021): Drift trajectories of the main sites of the Distributed Network of MOSAiC 2019/2020
Related to: Nicolaus, M; Perovich, DK; Spreen, G et al. (2022): Overview of the MOSAiC expedition: Snow and sea ice.
Nicolaus, M; Riemann-Campe, K; Bliss, A et al. (2021): Drift trajectories of the main sites of the Distributed Network and the Central Observatories of MOSAiC 2019/2020. epic
Size: 15 datasets
DOI: <https://doi.org/10.1594/PANGAEA.937204> - Score: 135.68

6. Hoppmann, M; Kuznetsov, I; Fang, Y-C et al. (2021): Raw data of CTD buoys 2019O1 to 2019O8 as part of the MOSAiC Distributed Network
Related to: Hoppmann, M; Kuznetsov, I; Fang, Y-C et al.: Mesoscale observations of temperature and salinity in the Arctic Transpolar Drift: a high-resolution dataset from the MOSAiC Distributed Network. Earth System Science Data
Krumpen, T; Sokolov, V (2020): The Expedition AF122/1 : Setting up the MOSAiC Distributed Network in October 2019 with Research Vessel AKADEMIEK FEDOROV. Berichte zur Polar- und Meeresforschung = Reports on Polar and Marine Research

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!

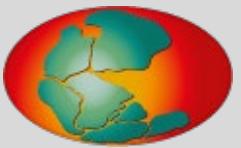
N E

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Clear Apply

Start date: YYYY-MM-DD Clear

End date: YYYY-MM-DD Apply



Search via keywords

- all keywords are automatically combined with “AND”
- “OR”

Screenshot of the PANGAEA search results page for the query "Maturilli OR Pilz". The search bar at the top has the query "Maturilli OR Pilz" highlighted with a red oval. The results page shows 118 datasets found.

Filter by...

Dataset Author

- Lonardi, Michael (72)
- Pilz, Christian (72)
- Siebert, Holger (72)
- Wendisch, Manfred (53)
- Ehrlich, André (44)
- Maturilli, Marion (43)
- Dahlke, Sandro (41)
- Holdridge, Donna J. (41)
- more...

Dataset Publication Year

- 2022 (93)
- 2021 (24)
- 2020 (1)

Topic

- Chemistry (67)
- Atmosphere (44)
- Inorganic Chemistry (2)
- Geosciences, Multidisciplinary (1)
- Lithosphere (1)
- Meteorology & Atmospheric Sciences (1)

Project

- BSRN (777)
- AWI_Meteo (453)
- AC3 (361)
- MOSAiC (118)
- GRUAN (27)
- ACROSS (9)
- COSYNA (9)
- BAH (8)
- more...

118 datasets found on search for »Maturilli OR Pilz« with facet filters

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

1. Lonardi, M; Pilz, C; Siebert, H et al. (2022): Tethered balloon-borne measurements of liquid cloud water presence during MOSAiC leg 4 in July 2020
Related to: **Lonardi, M; et al.:** Tethered balloon-borne profile measurements of atmospheric properties in cloudy conditions over Arctic sea-ice during MOSAiC: Overview and first results.
Pilz, C; et al.: Profile observations of atmospheric boundary layer properties with the BELUGA tethered balloon during MOSAiC.
Size: 5 datasets
<https://doi.pangaea.de/10.1594/PANGAEA.944068> - Score: 66.49

2. Lonardi, M; Pilz, C; Siebert, H et al. (2022): Tethered balloon-borne measurements of solar radiation during MOSAiC leg 4 in July 2020
Related to: **Lonardi, M; et al.:** Tethered balloon-borne profile measurements of atmospheric properties in cloudy conditions over Arctic sea-ice during MOSAiC: Overview and first results.
Lonardi, M; Pilz, C; Siebert, H et al. (2022): Tethered balloon-borne measurements of broadband radiation during MOSAiC leg 4 in July 2020.
Pilz, C; et al.: Profile observations of atmospheric boundary layer properties with the BELUGA tethered balloon during MOSAiC.
Size: 18 datasets
<https://doi.pangaea.de/10.1594/PANGAEA.944232> - Score: 65.83

3. Pilz, C; Lonardi, M; Siebert, H et al. (2022): Tethered balloon-borne measurements of aerosol particle microphysics during the MOSAiC expedition from June to July 2020
Related to: **Lonardi, M; et al.:** Tethered balloon-borne profile measurements of atmospheric properties in cloudy conditions over Arctic sea-ice during MOSAiC: Overview and first results.
Pilz, C; et al.: CAMP: a balloon-borne platform for lower tropospheric aerosol process studies.
Pilz, C; et al.: Profile observations of atmospheric boundary layer properties with the BELUGA tethered balloon during MOSAiC.
Size: 18 datasets
<https://doi.pangaea.de/10.1594/PANGAEA.943907> - Score: 65.59

4. Lonardi, M; Pilz, C; Siebert, H et al. (2022): Tethered balloon-borne measurements of broadband radiation during MOSAiC leg 4 in July 2020
Related to: **Lonardi, M; et al.:** Tethered balloon-borne profile measurements of atmospheric properties in cloudy conditions over Arctic sea-ice during MOSAiC: Overview and first results.

PANGAEA

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SEARCH SUBMIT HELP ABOUT CONTACT

SHOW MAP GOOGLE EARTH DATA WAREHOUSE

Map Satellite

Geocode 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!

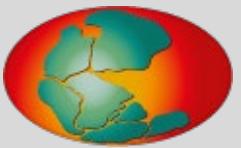
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Clear Apply

Start date: YYYY-MM-DD Clear

End date: YYYY-MM-DD Apply



Search via keywords

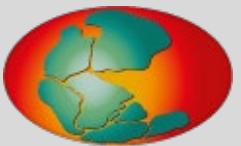
- all keywords are automatically combined with “AND”
- “OR”
- excluding search with “_”

hint: no blank after “-”

The screenshot shows a web browser displaying the PANGAEA search results for the query "Maturilli -Pilz". The search bar at the top has the query "Maturilli -Pilz" highlighted with a red oval. The results page title is "1477 datasets found on search for »Maturilli -Pilz«". The results are listed in a numbered list on the right, each with a title, date, size, and DOI link.

Rank	Title	Date	Size	DOI
1.	Maturilli, M (2020): High resolution radiosonde measurements from station Ny-Ålesund (2017-04 et seq)	(2017-04 et seq)	61 datasets	https://doi.org/10.1594/PANGAEA.914973 – Score: 41.45
2.	Maturilli, M (2020): Continuous meteorological observations at station Ny-Ålesund (2011-08 et seq)	(2011-08 et seq)	126 datasets	https://doi.org/10.1594/PANGAEA.914979 – Score: 41.3
3.	Maturilli, M (2020): Basic and other measurements of radiation at station Ny-Ålesund (2006-05 et seq)	(2006-05 et seq)	190 datasets	https://doi.org/10.1594/PANGAEA.914927 – Score: 41.21
4.	Maturilli, M; Kayser, M (2017): Homogenized radiosonde record at station Ny-Ålesund,			

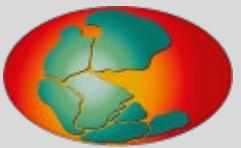
Search via keywords



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

The screenshot shows the PANGAEA search interface at <https://pangaea.de/?q=m%3Fller>. A red oval highlights the search bar containing 'm?ller'. The results page displays 25129 datasets found for this search term. The first result is a publication by Bunzel, D., Milker, Y., Müller-Navarra, K., et al. (2021) about organic carbon, XRF scans, and grain size distribution from sediment sequences TB13-1 and GeoHH-FK in the North Sea. The second result is by Oslick, J.S., Miller, K.G., Feigenson, M.D., et al. (1994) about Oligocene-Miocene strontium isotopes from ODP Hole 120-747A. The third result is by Merkt, J., Kleinmann, A., Sievers, U., et al. (2001) about palynology of sediment profiles from 30 lakes in Germany. The fourth result is by Kurentsova, N.A., Udintsev, G.B., Teterin, D.E., et al. (2008) about the composition and age of rocks from the H. Miller Seamount in the Amundsen Sea. The fifth result is by de Verteuil, L. (1996) about upper Cenozoic dinoflagellate cysts from the continental slope off New Jersey. The left sidebar includes filters for Dataset Author, Dataset Publication Year, and Topic. The right sidebar features a map view and search coverage tools.

Search via keywords



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

The screenshot shows the PANGAEA search interface at https://pangaea.de/?q=m*ller. A red circle highlights the search bar containing 'm*ller'. The results page displays 26022 datasets found for this search term. The results are paginated from 1 to 10. Each result entry includes the author(s), title, a brief description, a 'Supplement to' link, and a DOI link with a score. The interface features a sidebar with filters for Dataset Author, Publication Year, and Topic, as well as a map search tool on the right.

PANGAEA.

ALL TOPICS

SEARCH SUBMIT HELP ABOUT CONTACT

Filter by...

Dataset Author

- Hofmann, Jutta (4436)
- Shipboard Scientific Party (3128)
- Bleyer, Hans-Jürgen (2805)
- Friedrich, Michael (1417)
- Miller, D Jay (1358)
- Müller, Peter J (1354)
- König-Langlo, Gert (725)
- Grobe, Hannes (615)
- more...

Dataset Publication Year

- 2022 (123)
- 2021 (215)
- 2020 (379)
- 2019 (644)
- 2018 (269)
- 2017 (421)
- 2016 (273)
- 2015 (239)
- more...

Topic

- Lithosphere (10160)
- Chemistry (9892)
- Inorganic Chemistry (8447)
- Organic Chemistry (3550)
- Geosciences, Multidisciplinary (2393)
- Biological Classification (2168)
- Paleontology (1710)
- Animalia (1411)
- more...

26022 datasets found on search for »m*ller«

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

1. Bunzel, D; Milker, Y; Müller-Navarra, K et al. (2021): Organic carbon, XRF scans (Br, Cl, Rb, Zr), and relative grain size distribution, obtained from sediment sequences TB13-1 and GeoHH-FK (south-eastern North Sea)
Related to: Bunzel, D; Milker, Y; Müller-Navarra, K et al. (2021): North Sea salt-marsh archives trace past storminess and climate variability. *Global and Planetary Change*
Size: 6 datasets
<https://doi.org/10.1594/PANGAEA.927307> – Score: 6.82

2. Oslick, JS; Miller, KG; Feigenson, MD et al. (1994): Oligocene-Miocene strontium isotopes of ODP Hole 120-747A
Supplement to: Oslick, JS; Miller, KG; Feigenson, MD et al. (1994): Oligocene-Miocene strontium isotopes: Stratigraphic revisions and correlations to an inferred glacioeustatic record. *Paleoceanography*
Size: 2 datasets
<https://doi.org/10.1594/PANGAEA.729907> – Score: 6.82

3. Merkt, J; Kleinmann, A; Sievers, U et al. (2001): Palynology of sediment profiles from 30 lakes in Germany
Size: 1 datasets
<https://doi.org/10.1594/PANGAEA.711376> – Score: 6.82

4. Kurentsova, NA; Uditsev, GB; Teterin, DE et al. (2008): Composition and age of rocks from the H. Miller Seamount (Marie Byrd Mounts, Amundsen Sea)
Supplement to: Kurentsova, NA; Uditsev, GB; Teterin, DE et al. (2008): Geology of the Hubert Miller Seamount, Marie Byrd Seamounts Province, Amundsen Sea, West Antarctic. *Tikhookeanskaya Geologiya*
Size: 2 datasets
<https://doi.org/10.1594/PANGAEA.753168> – Score: 6.82

5. de Verteuil, L (1996): Upper Cenozoic dinoflagellate cysts from the continental slope and rise off New Jersey
Supplement to: de Verteuil, L (1996): Data Report: Upper Cenozoic dinoflagellate cysts from the continental

Map Satellite

Map Satellite

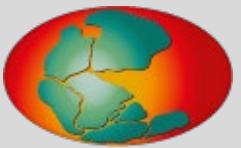
Google Keyboard shortcuts Map Data 2000 km Terms of Use

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
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Clear S Apply

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

Search via map



- select map
- choose region via
“mouse over”

The screenshot shows the PANGAEA Data Publisher homepage at <https://pangaea.de>. The top navigation bar includes links for SEARCH, SUBMIT, HELP, ABOUT, and CONTACT. The main content area features a "Welcome to PANGAEA® Data Publisher" message and a "Submit Data" section. A large world map is the central feature, with "Map" and "Satellite" options at the top. A vertical sidebar on the left has "TOPICS" and "MAP" buttons, with "MAP" highlighted and circled in red. The map itself shows landmasses and oceans, with a callout for the "North Atlantic Ocean". To the right of the map, there's a "Latest News" section with two entries: one about a DE.NBI workshop and another about DFG requirements for research data handling. A "Featured Data" section at the bottom lists a publication by Dorschel et al.

Not logged in

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Data Publisher for Earth & Environmental Science

SEARCH SUBMIT HELP ABOUT CONTACT

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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.

Submit Data

ALL TOPICS

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

Map Satellite

TOPICS MAP

North Atlantic Ocean

Google

Keyboard shortcuts | Imagery ©2022 NASA, TerraMetrics | 500 km | Terms of Use

Latest News

2022-05-11 REGISTRATION IS OPEN! PANGAEA DE.NBI - COMMUNITY WORKSHOP: FINDING AND RETRIEVING DATA FROM PANGAEA

de.NBI The in total four-hour hands-on workshop focuses on finding and using datasets already published on PANGAEA, and 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. You can join online at the 02. and 03. of June 2022, each day at 10am - 12am CEST (UTC+2)

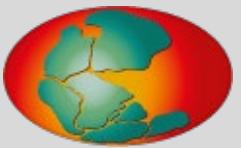
2022-03-21 DFG SPECIFIES THE REQUIREMENTS FOR HANDLING RESEARCH DATA IN FUNDING APPLICATIONS

DFG A subject-specific, adequate handling of research data on which scientific projects are based or which arise during their implementation is an essential part of quality-oriented and connectable research. The German Research Foundation (DFG) is now specifying the requirements for handling research data in applications for individual and collaborative projects and making information on this mandatory.

Show all 54 news items...

Featured Data

Dorschel, B; Hehemann, L; Viquerat, S et al. (2022): The International Bathymetric Chart of the Southern Ocean Version 2 (IBCSO v2)



Search via map

- region is applied in facet filter
- further filtering possible

Screenshot of the PANGAEA search interface showing results for "North Atlantic Ocean".

The search bar at the top contains "https://pangaea.de/?f.location[] = North+Atlantic+Ocean".

The main search results area displays 85536 datasets found on search with facet filters. The results are paginated from 1 to 10.

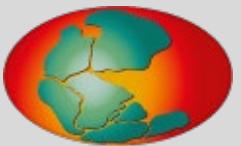
A red circle highlights the "North Atlantic Ocean" facet filter button in the "Filter by..." sidebar.

The sidebar also includes:

- Dataset Location:** Shipboard Scientific Party (6495), WOCE Sea Level, WSL (5465), Preßler, Erhard (4283), WOCE Upper Ocean Thermal, UOT (3899), Garcia-Herrera, Ricardo (3167), Jones, Philip D (3162), Koek, Frits B (3162), Wheeler, Dennis A (3162), more...
- Dataset Publication Year:** 2022 (395), 2021 (1354), 2020 (2080), 2019 (2032), 2018 (2361), 2017 (2424), 2016 (3698), 2015 (1269), more...
- Topic:** Chemistry (47040), Inorganic Chemistry (39432), Lithosphere (31931), Organic Chemistry (16147), Geosciences, Multidisciplinary (10501), Biological Classification (8526), Atmosphere (6750), Paleontology (6237), more...
- Project:** WOCE (14459), ODP (9040), DSDP (5245), more...

The right side of the interface features a map of the world with a bounding box around the North Atlantic region, and a detailed map of the same area. It includes controls for "Map" and "Satellite" view, zoom levels, and coordinate inputs (N, S, E, W) with "Clear" and "Apply" buttons. There are also fields for "Start date" and "End date" with "YYYY-MM-DD" placeholder values and "Clear" and "Apply" buttons.

Search via geographical coordinates



- select bounding box
- optional: select time range

Screenshot of the PANGAEA search interface showing results for "mosaic".

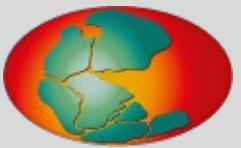
The search results page displays 966 datasets found on search for "mosaic" with geographic bounding box and temporal coverage. The results are paginated from 1 to 10.

Key search parameters shown:

- Geographic Bounding Box:** A map view shows a red rectangular selection over the Arctic region. This area is highlighted with a red circle in the bottom right corner of the screenshot.
- Temporal Coverage:** Set to September 1, 2019, to September 30, 2021.

Sample dataset results listed:

- 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 2019V3, deployed during MOSAiC 2019/20. Score: 52.28
- von Albedyll, L; Haas, C; Grodofzig, R (2021): EM-Bird ice thickness measurements in the Transpolar Drift during MOSAiC 2019/2020, part 1. Related to: von Albedyll, L; Hendricks, S; Grodofzig, R et al. (2022): Thermodynamic and dynamic contributions to seasonal Arctic sea ice thickness distributions from airborne observations. Elementa - Science of the Anthropocene. Score: 52.14
- 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 2019V1, deployed during MOSAiC 2019/20. Score: 51.12
- Brauchle, J; Krumpen, T (2021): Sea ice aerial images (MACS camera) of POLAR 6 during 2020 IceBird MOSAiC Summer campaign. Score: 50.94
- Lei, R; Cheng, B; Hoppmann, M et al. (2021): Temperature and heating induced temperature difference measurements from SIMBA-type sea ice mass balance buoy 2019T66, deployed during MOSAiC 2019/20. Score: 45.92
- 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. Score: 44.83



Search via data warehouse

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

Screenshot of the PANGAEA search results page showing datasets found with facet filters applied.

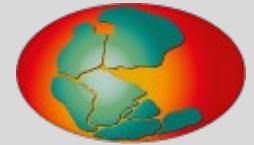
The URL in the browser bar is: [https://pangaea.de/?f.location\[\]=%3DNorth+Atlantic+Ocean&f.topic\[\]=%3DAtmosphere](https://pangaea.de/?f.location[]=%3DNorth+Atlantic+Ocean&f.topic[]=%3DAtmosphere)

The search results are filtered by "North Atlantic Ocean" and "Atmosphere".

Key sections include:

- Filter by...**: Includes facets for Dataset Author, Dataset Publication Year, Topic, and Project.
- 6750 datasets found on search with facet filters**: The total number of results.
- Navigation**: Page numbers from 1 to 10.
- Results List**: Six datasets are listed:
 - Rousseau, D-D; Bagniewski, W; Ghil, M (2022)**: Detection of abrupt climate changes over the past 3.2 Myr.
Related to: Rousseau, D-D; Bagniewski, W; Ghil, M (2022): Abrupt climate changes and the astronomical theory: are they related?. *Climate of the Past*.
Size: 3 datasets
<https://doi.org/10.1594/PANGAEA.942621>
 - van Pinxteren, M (2021)**: Transparent exopolymer particles (TEP) and sodium in ambient aerosol particles and cloud water at Cape Verde islands.
Size: 3 datasets
<https://doi.org/10.1594/PANGAEA.938169>
 - Schrod, J; Thomson, ES; Weber, D et al. (2020)**: Long-term ice nucleating particle concentrations by offline vacuum diffusion chamber measurements from the Amazon, the Caribbean, Central Europe, and the Norwegian Arctic.
Related to: Schrod, J; Thomson, ES; Weber, D et al. (2020): Long-term deposition and condensation ice-nucleating particle measurements from four stations across the globe. *Atmospheric Chemistry and Physics*.
Size: 5 datasets
<https://doi.org/10.1594/PANGAEA.925732>
 - Triesch, N; van Pinxteren, M; Engel, A et al. (2020)**: Simultaneous measurements of free amino acids in seawater, size-segregated aerosol particle and cloud water samples at the Cape Verde Atmospheric Observatory.
Size: 4 datasets
<https://doi.org/10.1594/PANGAEA.914220>
 - Dearing Crampton-Flood, E (2020)**: Climate proxies recorded in sediments from borehole Hank, Netherlands, for the Pliocene of the North Sea.
Size: 2 datasets
<https://doi.pangaea.de/10.1594/PANGAEA.912082>
 - van Pinxteren, M (2020)**: Seawater data from MarParCloud at Cape Verde islands.
Related to: van Pinxteren, M; Fomba, KW; Triesch, N et al. (2020): Marine organic matter in the remote environment of the Cape Verde Islands - an introduction and overview to the
- Map and Search Tools**: Includes a map of the world, a satellite view of the Cape Verde area, and geographic search tools for creating a new geographic search coverage.

Search via data warehouse



Log in for use

https://pangaea.de/advanced/datawarehouse.php?f.location[] = North+Atlantic+Ocean&f.topic[] = Atmosphere

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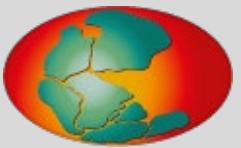
SEARCH SUBMIT HELP ABOUT CONTACT

Data Warehouse Download on query 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

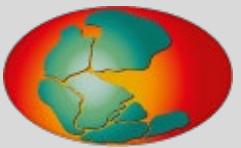
- choose parameters
- configure averaging
- start query
- download file list

Never forget to cite ALL individual data sets!

The screenshot shows the PANGAEA Data Warehouse Download interface. At the top, there's a navigation bar with links for SEARCH, SUBMIT, HELP, ABOUT, and CONTACT. The main title is "Data Warehouse Download on query with facet filters". Below it, a warning message states: "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!"

On the left, there's a list titled "Available Parameters and Geocodes" with a table showing various parameters like LATITUDE, LONGITUDE, and DATE/TIME, each with a score and a plus sign icon. On the right, there's a "Configuration" section with a table for "Parameter/Geocode" and "Method". The configuration table includes rows for DATETIME (no average), LATITUDE, LONGITUDE, and Wind speed [m/s].

At the bottom, there are two checkboxes: "Implicit averaging" and "Calculate missing values". Below them is a dropdown for "Download data in the following character encoding: UTF-8: Unicode (PANGAEA default)". A large red oval highlights the "Start Data Warehouse Query" button at the very bottom.

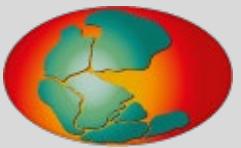


Search via data warehouse

1	Date/Time → Latitude → Longitude → ff · [m/s] → Origin · of · Values	LF
2	1754-01-27T12:00:00 → 5.000000 → -1.300000 → 6.7 → https://doi.pangaea.de/10.1594/PANGAEA.747972	LF
3	1754-01-28T12:00:00 → 4.370000 → -0.840000 → 2.6 → https://doi.pangaea.de/10.1594/PANGAEA.747972	LF
4	1754-01-29T12:00:00 → 3.650000 → -0.120000 → 2.6 → https://doi.pangaea.de/10.1594/PANGAEA.747972	LF
5	1754-01-30T12:00:00 → 3.230000 → 0.490000 → 2.6 → https://doi.pangaea.de/10.1594/PANGAEA.747972	LF
6	1754-01-31T12:00:00 → 2.570000 → 1.030000 → 6.7 → https://doi.pangaea.de/10.1594/PANGAEA.747972	LF
7	1754-02-01T12:00:00 → 1.670000 → 1.130000 → 6.7 → https://doi.pangaea.de/10.1594/PANGAEA.747972	LF
8	1754-02-02T12:00:00 → 1.220000 → 0.780000 → 2.6 → https://doi.pangaea.de/10.1594/PANGAEA.747972	LF
9	1754-02-03T12:00:00 → 1.580000 → 0.080000 → 2.6 → https://doi.pangaea.de/10.1594/PANGAEA.747972	LF
10	1754-02-06T12:00:00 → 0.400000 → -2.360000 → 6.7 → https://doi.pangaea.de/10.1594/PANGAEA.747972	LF
11	1754-02-07T12:00:00 → 0.400000 → -4.160000 → 6.7 → https://doi.pangaea.de/10.1594/PANGAEA.747972	LF
12	1754-02-08T12:00:00 → 0.520000 → -5.810000 → 6.7 → https://doi.pangaea.de/10.1594/PANGAEA.747972	LF
13	1754-02-10T13:00:00 → 0.630000 → -7.810000 → 6.7 → https://doi.pangaea.de/10.1594/PANGAEA.747972	LF
14	1754-02-12T13:00:00 → 0.620000 → -11.620000 → 6.7 → https://doi.pangaea.de/10.1594/PANGAEA.747972	LF
15	1754-02-13T13:00:00 → 1.150000 → -13.410000 → 6.7 → https://doi.pangaea.de/10.1594/PANGAEA.747972	LF
16	1754-02-14T13:00:00 → 1.100000 → -15.860000 → 19.0 → https://doi.pangaea.de/10.1594/PANGAEA.747972	LF
17	1754-02-15T13:00:00 → 1.330000 → -17.070000 → 6.7 → https://doi.pangaea.de/10.1594/PANGAEA.747972	LF
18	1754-02-16T13:00:00 → 2.050000 → -18.170000 → 6.7 → https://doi.pangaea.de/10.1594/PANGAEA.747972	LF
19	1754-02-19T13:00:00 → 4.620000 → -21.690000 → 6.7 → https://doi.pangaea.de/10.1594/PANGAEA.747972	LF
20	1754-02-20T14:00:00 → 5.300000 → -22.570000 → 6.7 → https://doi.pangaea.de/10.1594/PANGAEA.747972	LF
21	1754-02-21T14:00:00 → 6.000000 → -23.620000 → 2.6 → https://doi.pangaea.de/10.1594/PANGAEA.747972	LF
22	1754-02-22T14:00:00 → 6.380000 → -24.660000 → 6.7 → https://doi.pangaea.de/10.1594/PANGAEA.747972	LF

Never forget to cite ALL individual data sets!

27 1754-02-27T14:00:00 → 7.220000 → -29.380000 → 6.7 → <https://doi.pangaea.de/10.1594/PANGAEA.747972>



Specific features

- additional information on authors

https://doi.pangaea.de/10.1594/PANGAEA.935814?format=html#download

Not logged in

PANGAEA. Data Publisher for Earth & Environmental Science

Citation: Erhardt, Tobias; Bigler, Matthias; Federer, Urs; Gfeller, Gideon; Leuenberger, Daniel; Svensson, Olivia; Röhlisberger, Regine; Schüpbach, Simon; Ruth, Ruth; Wegner, Anna; Goto-Azuma, Kumiko; Takayuki, Ile Astrid; Vallelonga, Paul T; Siggaard-Andersen, Marie-Margrethe E; Benton, Ailsa K; Fleet, Louise G; Mulvaney, Rob; Thomas, Elizabeth R; Abram, Nerilie J; Stocker, Thomas F; Fischer, Hubertus (2021): Decadal averaged impurity data for the NorthGRIP ice core. PANGAEA, doi: <https://doi.org/10.1594/PANGAEA.935814>.

In: Erhardt, T et al. (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. Data is provided at 1mm depth resolution and 10yr averages on the GICC05 age scale of the respective core.

Keywords: aerosol; ammonium; calcium; Greenland; ice core; nitrate; sodium

Further details: Andersen, Katrine K; Svensson, Anders M; Johnsen, Sigríður Jóhann; Rasmussen, Sune Olander; Bigler, Matthias; Röhlisberger, Regine; Ruth, Urs; Siggaard-Andersen, Marie-Louise; Steffensen, Jørgen Peder; Dahl-Jensen, Dorthe; Vinther, Bo Møllesøe; Clausen, Henrik Brink (2006): The Greenland Ice Core Chronology 2005, 15-42 ka. Part 1: constructing the time scale. *Quaternary Science Reviews*, 25(23-24), 3246-3257, doi: <https://doi.org/10.1016/j.quascirev.2006.08.002>

Rasmussen, Sune Olander; Andersen, Katrine K; Svensson, Anders M; Steffensen, Jørgen Peder; Vinther, Bo Møllesøe; Clausen, Henrik Brink; Siggaard-Andersen, Marie-Louise; Johnsen, Sigríður Jóhann; Larsen, L B; Dahl-Jensen, Dorthe; Bigler, Matthias; Röhlisberger, Regine; Ruth, Urs (2006): A new Greenland ice core chronology for the last glacial termination. *Journal of Geophysical Research: Atmospheres*, 111, D06102, doi: <https://doi.org/10.1029/2005JD006079>

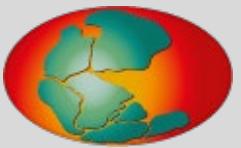
Svensson, Anders M; Andersen, Katrine K; Bigler, Matthias; Clausen, Henrik Brink; Dahl-Jensen, Dorthe; Davies, Siwan M; Johnsen, Sigríður Jóhann; Muscheler, Raimund; Rasmussen, Sune Olander; Röhlisberger, Regine; Steffensen, Jørgen Peder; Vinther, Bo Møllesøe (2006): The Greenland Ice Core Chronology 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)

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

Map Satellite
Google Keyboard shortcuts Map Data 1000 km Terms of Use



Specific features

- additional information on authors
- data set statistics

Citation: Erhardt, Tobias; Bigler, Matthias; Federer, Urs; Gfeller, Gideon; Leuenberger, Daiana; Stowasser, Olivia; Röthlisberger, Regine; Schüpbach, Simon; Ruth, Urs; Twarloh, Birthe; Wegner, Anna; Goto-Azuma, Kumiko; Takayuki, Kuramoto; Kjær, Helle Astrid; Vallelonga, Paul T; Siggaard-Andersen, Marie-Louise; Hansson, Margareta E; Benton, Ailsa K; Fleet, Louise G; Mulvaney, Rob; Thomas, Elizabeth R; Abram, Nerialie J; Stocker, Thomas F; Fischer, Hubertus (2021): Decadal averaged impurity data for the NorthGRIP ice core. PANGAEA, <https://doi.org/10.1594/PANGAEA.935814>.

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Abstract: High resolution aerosol data from Greenland NGRIP and NEEM ice cores from respective field campaigns. Data is provided at 1mm depth resolution.

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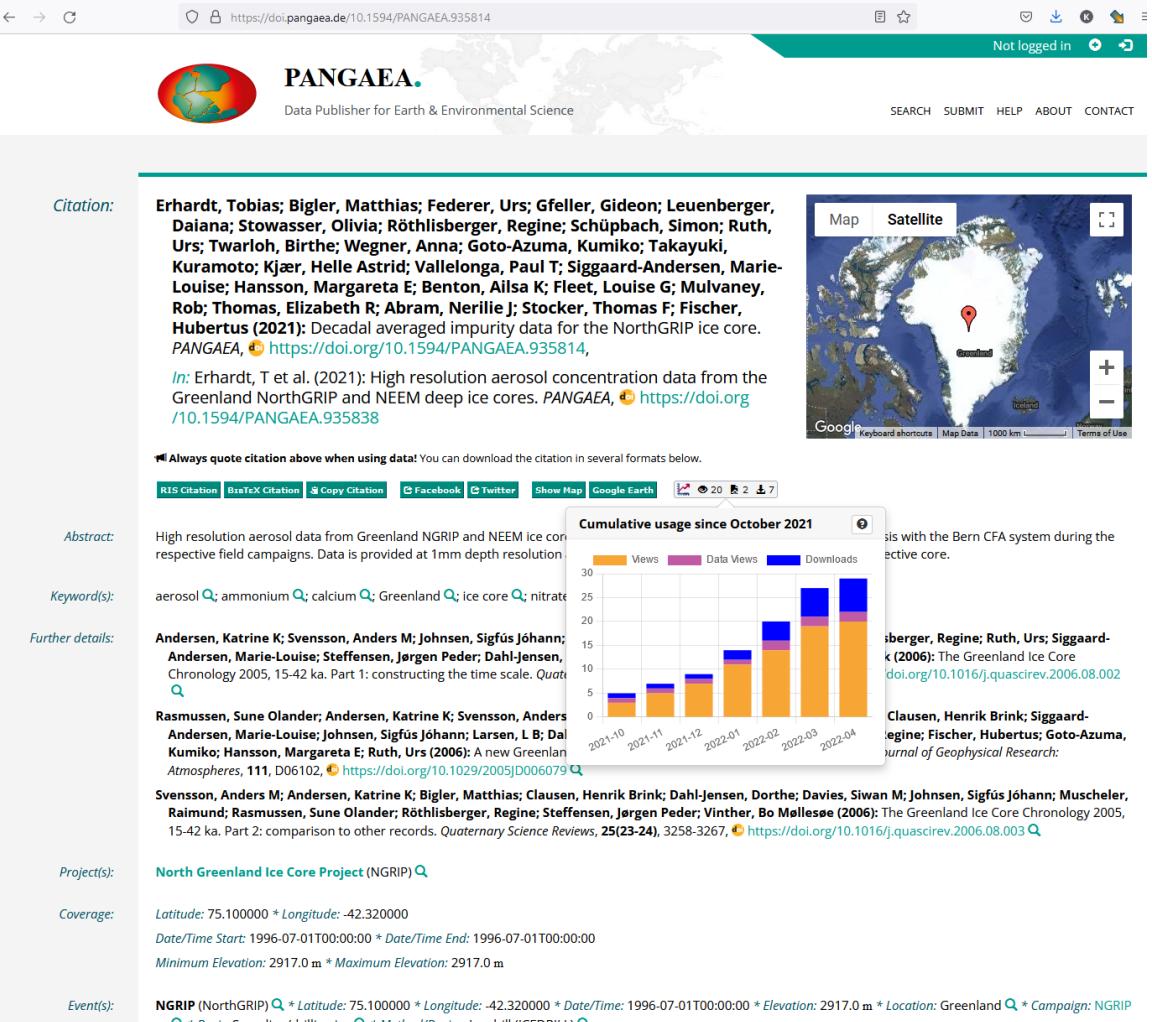
Svensson, Anders M; Andersen, Katrine K; Bigler, Matthias; Clausen, Henrik Brink; Dahl-Jensen, Dorthe; Davies, Siwan M; Johnsen, Sigríð Jóhann; Muscheler, Raimund; Rasmussen, Sune Olander; Röthlisberger, Regine; Steffensen, Jørgen Peder; Vinther, Bo Møllesøe (2006): The Greenland Ice Core Chronology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

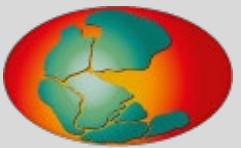
Clausen, Henrik Brink; Siggaard-Andersen, Regine; Ruth, Urs; Siggaard-Andersen, Marie-Louise; Steffensen, Jørgen Peder; Vinther, Bo Møllesøe (2006): The Greenland Ice Core Chronology 2005, 15-42 ka. Part 3: paleoenvironmental interpretation. *Journal of Geophysical Research: Earth Surface*, 111, E03002, doi:10.1029/2005JF000422

Project(s): North Greenland Ice Core Project (NGRIP)

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Minimum Elevation: 2917.0 m * Maximum Elevation: 2917.0 m

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





Specific features

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

Not logged in

Citation: Erhardt, Tobias; Bigler, Matthias; Federer, Urs; Gfeller, Gideon; Leuenberger, Daiana; Stowasser, Olivia; Röthlisberger, Regine; Schüpbach, Simon; Ruth, Urs; Twarloh, Birthe; Wegner, Anna; Goto-Azuma, Kumiko; Takayuki, Kuramoto; 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, Nerialie J; Stocker, Thomas F; Fischer, Hubertus (2021): Decadal averaged impurity data for the NorthGRIP ice core. PANGAEA, <https://doi.org/10.1594/PANGAEA.935831>

In: Erhardt, T et al. (2021): High resolution aerosol concentration data from the Greenland NorthGRIP and NEEM deep ice cores. PANGAEA, <https://doi.org/10.1594/PANGAEA.935838>

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Abstract: High resolution aerosol data from Greenland NGRIP and NEEM ice cores from respective field campaigns. Data is provided at 1mm depth resolution.

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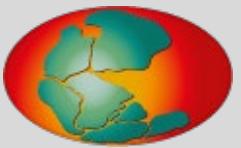
Cumulative usage since October 2021

Views: 30 | Data Mews: 5 | Downloads: 25

Project(s): North Greenland Ice Core Project (NGRIP)

Coverage: Latitude: 75.100000 * Longitude: -42.320000
Date/Time Start: 1996-07-01T00:00:00 * Date/Time End: 1996-07-01T00:00:00
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Specific features

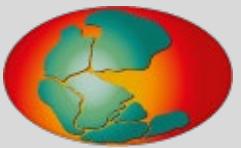
- additional information on authors
- data set statistics
- use “magnifying glass” to find data sets with the same meta data

Look out for magnifying glasses. They are almost everywhere.

Screenshot of a PANGAEA dataset page (https://doi.pangaea.de/10.1594/PANGAEA.935814) illustrating specific features:

- 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; Vallelonga, Paul T; Siggaard-Andersen, Marie-Louise; Hansson, Margareta E; Benton, Ailsa K; Fleet, Louise G; Mulvaney, Rob; Thomas, Elizabeth R; Abram, Nerialie J; Stocker, Thomas F; Fischer, Hubertus (2021): Decadal averaged impurity data for the NorthGRIP ice core. PANGAEA, <https://doi.org/10.1594/PANGAEA.935814>.
- Abstract:** High resolution aerosol data from Greenland NGRIP and NEEM deep ice cores. Data is provided at 1mm depth resolution in perspective field campaigns. Data is provided at 1mm depth resolution in perspective field campaigns. Data is provided at 1mm depth resolution in perspective field campaigns.
- Keyword(s):** aerosol; ammonium; calcium; Greenland; ice core; nitrate (circled)
- Further details:** Andersen, Katrine K; Svensson, Anders M; Johnsen, Sigríð Jóhann; Andersen, Marie-Louise; Steffensen, Jørgen Peder; Dahl-Jensen, Chronology 2005, 15-42 ka. Part 1: constructing the time scale. *Quat. Res.*, 61, 1–12.
- Project(s):** North Greenland Ice Core Project (NGRIP) (circled)
- 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) * Latitude: 75.100000 * Longitude: -42.320000 * Date/Time: 1996-07-01T00:00:00 * Elevation: 2917.0 m * Location: Greenland * Campaign: NGRIP * Basis: Sampling/drilling ice * Method/Device: Ice drill (ICEDRILL) (circled)

The screenshot also shows a map of Greenland with a red dot indicating the core location, and a cumulative usage chart showing views, data downloads, and downloads over time.



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

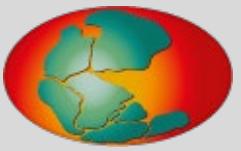
Data

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]
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

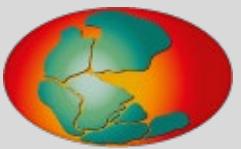
Event list: [Link](#)
Start: 1998-01-01
End: 1999-12-31



Download of search results

2. Download of search results

- differences after log in
- download of individual data sets
- download of multiple data files



Differences after log in

differences after log in to prevent data harvest by a machine

PANGAEA.

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
<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
<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.
(and more)
Size: 840 data points
<https://doi.org/10.1594/PANGAEA.928076> - Download - Score: 57.72

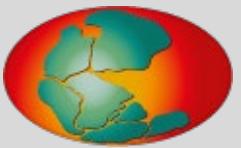
876 datasets found on search for »PAGES_C-PEAT«

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



Download of individual data sets

individual data set

https://doi.pangaea.de/10.1594/PANGAEA.924916?format=html#download
P6_222_IceBird_MOSAiC_2020_2008310201 * Basis: POLAR 6 * Method/Device: Aircraft (AC)
P6_222_IceBird_MOSAiC_2020_2009020301 * Latitude Start: 78.245813 * Longitude Start: 15.503384 * Latitude End: 78.245802 * Longitude End: 15.503295 * Date/Time Start: 2020-08-31T12:15:48 * Date/Time End: 2020-08-31T15:52:47 * Sensor URI: https://hdl.handle.net/10013/sensor.4facb6dc-3b8b-4d4b-bc9f-6812e9e95886 * Location: Svalbard * Campaign: P6_222_IceBird_MOSAiC_2020 (MOSAiC20192020) * Basis: POLAR 6 * Method/Device: Aircraft (AC)
P6_222_IceBird_MOSAiC_2020_2009020301 * Latitude Start: 78.245821 * Longitude Start: 15.503274 * Latitude End: 78.245837 * Longitude End: 15.503070 * Date/Time Start: 2020-09-02T07:23:57 * Date/Time End: 2020-09-02T14:27:57 * Sensor URI: https://hdl.handle.net/10013/sensor.4facb6dc-3b8b-4d4b-bc9f-6812e9e95886 * Location: Svalbard * Campaign: P6_222_IceBird_MOSAiC_2020 (MOSAiC20192020) * Basis: POLAR 6 * Method/Device: Aircraft (AC)

Show more...

Parameter(s):

#	Name	Short Name	Unit	Principal Investigator	Method/Device	Comment
1	Event label	Event		Belter, Hans Jakob		Geocode
2	DATE/TIME	Date/Time		Belter, Hans Jakob		Geocode
3	LATITUDE	Latitude		Belter, Hans Jakob		Geocode
4	LONGITUDE	Longitude		Belter, Hans Jakob		Geocode
5	Binary Object	Binary		Belter, Hans Jakob	Electromagnetic (EM) induction sounding for sea ice thickness measurements	DAT files
6	Binary Object (File Size)	Binary (Size)	Bytes	Belter, Hans Jakob	Electromagnetic (EM) induction sounding for sea ice thickness measurements	DAT files

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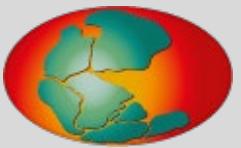
Size: 15 data points

Data

Download dataset as tab-delimited text — use the following character encoding: UTF-8: Unicode (PANGAEA default)

All binary files listed in data matrix can be downloaded as ZIP or TAR. Be careful: This download can be very large!

1 Event	2 Date/Time	3 Latitude	4 Longitude	5 Binary	6 Binary (Size) [Bytes]
P6_222_IceBird_MOSAiC_2020_2008050101	2020-08-05T11:23:00	54.288618	7.443570	202008051123.dat	7.5 MBytes
P6_222_IceBird_MOSAiC_2020_2008310201	2020-08-31T13:42:00	78.369601	16.886938	202008311342.dat	7.4 MBytes
P6_222_IceBird_MOSAiC_2020_2009020301	2020-09-02T10:06:00	77.169395	-15.257802	202009021006.dat	10.4 MBytes
P6_222_IceBird_MOSAiC_2020_2009020301	2020-09-02T10:33:00	77.715768	-16.498659	202009021033.dat	10.7 MBytes
P6_222_IceBird_MOSAiC_2020_2009020301	2020-09-02T11:00:00	78.413139	-15.463821	202009021100.dat	1.2 MBytes
P6_222_IceBird_MOSAiC_2020_2009020301	2020-09-02T11:04:00	78.506798	-15.129818	202009021104.dat	366.7 kBytes
P6_222_IceBird_MOSAiC_2020_2009020301	2020-09-02T11:05:00	78.530158	-15.046842	202009021105.dat	7 MBytes
P6_222_IceBird_MOSAiC_2020_2009020301	2020-09-02T11:23:00	78.944847	-13.526637	202009021123.dat	12.6 MBytes
P6_222_IceBird_MOSAiC_2020_2009020301	2020-09-02T11:56:00	79.104298	-9.364419	202009021156.dat	6.7 MBytes
P6_222_IceBird_MOSAiC_2020_2009070401	2020-09-07T10:00:00	81.473526	-4.054657	202009071010.dat	16.3 MBytes
P6_222_IceBird_MOSAiC_2020_2009070401	2020-09-07T10:52:00	81.691785	-5.189012	202009071052.dat	7.5 MBytes
P6_222_IceBird_MOSAiC_2020_2009070401	2020-09-07T11:16:00	81.025233	-3.963746	202009071116.dat	11.2 MBytes
P6_222_IceBird_MOSAiC_2020_2009070401	2020-09-07T11:45:00	81.600659	-6.611058	202009071145.dat	11.5 MBytes
P6_222_IceBird_MOSAiC_2020_2009080501	2020-09-08T10:38:00	83.871405	6.324192	202009081038.dat	11.6 MBytes
P6_222_IceBird_MOSAiC_2020_2009080501	2020-09-08T11:08:00	83.239677	7.608952	202009081108.dat	11.3 MBytes



Download of multiple data files

- download a set of data files as zip or tar
- link to zip and tar file are mentioned in tab-delimited text file

Screenshot of a PANGAEA dataset page showing parameters, license, size, and data download options.

Parameter(s):

#	Name	Short Name	Unit	Principal Investigator	Method/Device	Comment
1	Event label	Event		Belter, Hans Jakob		Geocode
2	DATE/TIME	Date/Time		Belter, Hans Jakob		Geocode
3	LATITUDE	Latitude		Belter, Hans Jakob		Geocode
4	LONGITUDE	Longitude		Belter, Hans Jakob		Geocode
5	Binary Object	Binary		Belter, Hans Jakob	Electromagnetic (EM) induction sounding for sea ice thickness measurements	DAT files
6	Binary Object (File Size)	Binary (Size)	Bytes	Belter, Hans Jakob	Electromagnetic (EM) induction sounding for sea ice thickness measurements	DAT files

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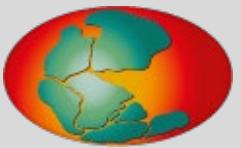
Size: 15 data points

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Download dataset as tab-delimited text — use the following character encoding: UTF-8: Unicode (PANGAEA default)

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1 Event	2 Date/Time	3 Latitude	4 Longitude	5 Binary	6 Binary (Size) [Bytes]
P6_222_IceBird_MOSAiC_2020_2008050101	2020-08-05T11:23:00	54.288618	7.443570	202008051123.dat	7.5 MBytes
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P6_222_IceBird_MOSAiC_2020_2009020301	2020-09-02T10:33:00	77.715768	-16.498659	202009021033.dat	10.7 MBytes
P6_222_IceBird_MOSAiC_2020_2009020301	2020-09-02T11:00:00	78.413139	-15.463821	202009021100.dat	1.2 MBytes
P6_222_IceBird_MOSAiC_2020_2009020301	2020-09-02T11:04:00	78.506798	-15.129818	202009021104.dat	366.7 kBytes
P6_222_IceBird_MOSAiC_2020_2009020301	2020-09-02T11:05:00	78.530158	-15.046842	202009021105.dat	7 MBytes
P6_222_IceBird_MOSAiC_2020_2009020301	2020-09-02T11:23:00	78.944847	-13.526637	202009021123.dat	12.6 MBytes
P6_222_IceBird_MOSAiC_2020_2009020301	2020-09-02T11:56:00	79.104298	-9.364419	202009021156.dat	6.7 MBytes
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P6_222_IceBird_MOSAiC_2020_2009070401	2020-09-07T11:16:00	81.025233	-3.963746	202009071116.dat	11.2 MBytes
P6_222_IceBird_MOSAiC_2020_2009070401	2020-09-07T11:45:00	81.600659	-6.611058	202009071145.dat	11.5 MBytes
P6_222_IceBird_MOSAiC_2020_2009080501	2020-09-08T10:38:00	83.871405	6.324192	202009081038.dat	11.6 MBytes
P6_222_IceBird_MOSAiC_2020_2009080501	2020-09-08T11:08:00	83.239677	7.608952	202009081108.dat	11.3 MBytes



Search and download via scripts

search and download
data sets via R or
python

learn more tomorrow ...

README.md

PANGAEA.
Community Workshops

Welcome to our PANGAEA Community Workshop Github page

This repository hosts training material, information and code used in our PANGAEA Community Workshop series.

Try out our practice examples in R or Python online by clicking on the "launch binder" batch

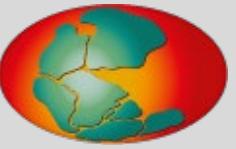
[launch PangaeaPy](#)

ONLY DURING THE WORKSHOP

Click on this link to launch a script that prevents the 10 min session timeout when being inactive.

[launch binder](#)

Start the script when you are inactive for more than 10 min and stop it once you resume your practice. Keep time intervals at a maximum to prevent being banned from using the MyBinder services.

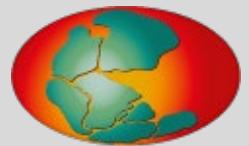


3. Documentation/Help

- PANGAEA Wiki pages

<https://wiki.pangaea.de>

Documentation/Help



<https://wiki.pangaea.de>

Screenshot of the PANGAEA Wiki Main Page (https://wiki.pangaea.de/wiki/Main_Page)

The page features a header with a globe icon, a search bar, and navigation links for "Main page", "Discussion", "Read", "View source", "View history", and "Log in / Sign up".

Main Page

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.

PANGAEA IN BRIEF

- About
- Terms of use
- Privacy Policy
- Support/Contact
- Team

DATA SUBMISSION

For information on how data submission to PANGAEA works, what to do & 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

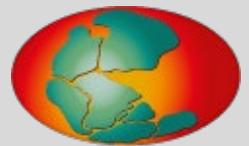
MISCELLANEOUS

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

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

Documentation/Help



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Main Page

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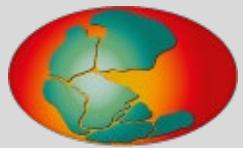
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SIMPLE DATA SEARCH

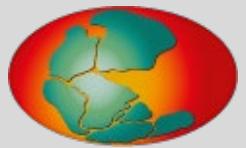
- PANGAEA Search
- PANGAEA XML schema



ADVANCED SEARCH, INTEROPERABILITY AND SERVICES

- Interoperability and Services 
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SIMPLE DATA SEARCH

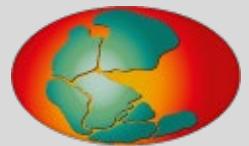
- PANGAEA Search
- PANGAEA XML schema

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).

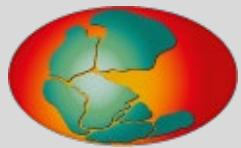
The left sidebar includes links such as PANGAEA Wiki Home, PANGAEA Wiki Intern, Technical Docs, specials, Recent changes, Tools, What links here, Related changes, Special pages, Printable version, Permanent link, and Page information.

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 how results are listed with meta-descriptions.

A screenshot of the PANGAEA home page shows a search field and various dataset thumbnails.

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

Screenshots of the PANGAEA home page demonstrate the filtering 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 "mArlnE 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 "-"

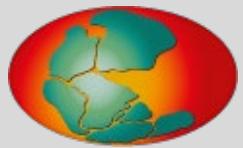
To exclude certain keywords add a minus sign ("−") immediately before the search term you want to avoid (be sure to include a space before the minus sign).

Approximate searches

If you do not exactly know the spelling of a word, you may want to search not only for a particular keyword, but also for variants in spelling. Indicate a search for all by placing the tilde sign ("~") immediately in front of the keyword.

Wildcards

Wildcards allow a substitution of unknown characters in the item used for searching. The following table describes the wildcard characters and their attributes:

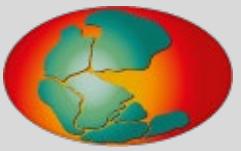


https://wiki.pangaea.de/wiki/PANGAEA_search

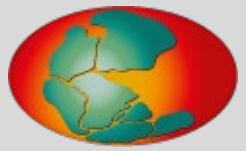
Field name	Function
project:	Search for keywords in projects
project:label:	Matches a project label
author:	Search for authors of datasets or assigned references
citation:author:	Search for authors of datasets only in the citation
pi:	Search for datasets with Principal Investigator (PI)
citation:	Search for keywords in the citation
reference:	Search for keywords in assigned references
date:	Search for datasets or assigned references 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
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.

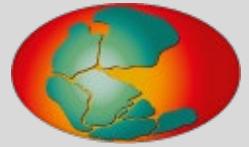


Break



1. How many data sets exists for the project “PAGES_C-PEAT”?
2. How many of these are located in Sweden?
3. How many “Joey_core12“ data sets exist within the project “PAGES_C-PEAT”?
 - a) Check the titles of the first 10 results. How many “Joey_core12“ data sets exist within the project “PAGES_C-PEAT”?
4. How many data sets have the event label “Joey_core12“?
5. How many data sets use the method “Peat corer“ ?

Solutions to exercises



1. How many data sets exists for the project “PAGES_C-PEAT”?

875

Screenshot of the PANGAEA search results page for "PAGES_C-PEAT".

The search results show 875 datasets found on search for »PAGES_C-PEAT« with facet filters.

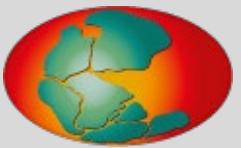
Facet filters include:

- Dataset Author: Garneau, Michelle (90), Charman, Dan J (57), van Belle, Simon (57), Yu, Zicheng (53), Camill, Philip (47), Gallego-Sala, Angela V (39), Holmqvist, James R (38), Marchant, Robert (37), more...
- Dataset Publication Year: 2022 (7), 2021 (704), 2018 (164)
- Topic: Ecology (655), Environmental Sciences (640), Atmosphere (637), Meteorology & Atmospheric Sciences (637), Chemistry (351), Inorganic Chemistry (299), Geosciences, Multidisciplinary (94), Geography (87), more...
- Project: PAGES_C-PEAT (875)
- Method/Device: Age, 14C calibrated, OxCal 4.2.4, P sequence deposition

The main search results list four entries:

- 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
<https://doi.org/10.1594/PANGAEA.928257> – Score: 58.24
- 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
<https://doi.org/10.1594/PANGAEA.929851> – Score: 58.24
- 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.
(and more)
Size: 840 data points
<https://doi.org/10.1594/PANGAEA.928076> – Score: 57.75
- Martínez Cortizas, A (2021): Geochemistry of Penido Vello (PVO) peat core from Spain**
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*.
Martínez Cortizas, A (2021): Age determination of Penido Vello (PVO) peat core from Spain.

On the right side of the page, there is a map interface with "Map" and "Satellite" options, and a search bar for geographic coordinates (N, S, E, W) and date ranges (Start date, End date).



Solutions to exercises

23

2. How many of these are located in Sweden?

Screenshot of the PANGAEA search results page for "PAGES_C-PEAT" with a facet filter applied for "Sweden".

The search results show 23 datasets found on search for "PAGES_C-PEAT" with facet filters.

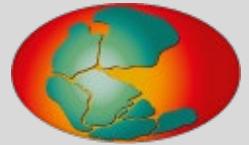
Facet filters applied:

- Dataset Author: Björck, Svante (6)
- Dataset Publication Year: 2021 (21), 2018 (2)
- Topic: Atmosphere (18), Meteorology & Atmospheric Sciences (18), Ecology (17), Environmental Sciences (17), Chemistry (8), Geosciences, Multidisciplinary (8), Inorganic Chemistry (8), Geography (3), more...
- Method/Device: Age, 14C calibrated, OxCal 4.2.4, P sequence deposition model (8), Age, 14C calibrated, Bacon 2.2 (Blaauw and Christen, 2011) (7), Age, 14C uncalibrated (7), Computed/Converted (7) calculated, 1 sigma (7), Carbon/nitrogen analyser (3), Age, 210Pb (2), Age, tephra-chronosratigraphy (1)
- Location: Europe (17), Baltic Sea (15), Arctic Ocean (8), Kattegat (6), Gulf of Bothnia (3)

Map and search interface:

- Map: Shows a world map with a bounding box over Europe and a zoomed-in view of the region.
- Search interface: Includes fields for "Topic", "Method/Device", "Location", and date ranges ("Start date" and "End date").
- Helpful links: SHOW MAP, GOOGLE EARTH, DATA WAREHOUSE.

Solutions to exercises



3. How many “Joey_core12” data sets exist within the project “PAGES_C-PEAT”?

at first glance: 15

Screenshot of the PANGAEA search results page for "PAGES_C-PEAT joey_core12".

The search results show 15 datasets found on search for »PAGES_C-PEAT joey_core12« with facet filters.

Facet filters applied:

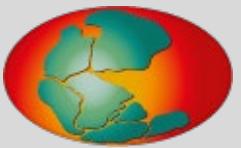
- Dataset Publication Year: □ 2021 (3) □ 2018 (12)
- Topic: Chemistry (7), Inorganic Chemistry (7), Geography (1), Geosciences, Multidisciplinary (1), Land Surface (1)
- Project: PAGES_C-PEAT (15)
- Method/Device: Age, 14C calibrated, Bacon 2.2 (Blaauw and Christen, 2011) (1), Age, 14C calibrated, OxCal 4.2.4, P sequence deposition model (1), Age, 14C uncalibrated (1), Age, 210Pb (1), Carbon/nitrogen analyser (1) calculated, 1 sigma (1)

Map and search interface on the right side of the page.

List of datasets:

1. Camill, P (2021): Calibrated ages of Joey_core12 peat core from Canada
Related to: Camill, P (2021): Age determination of Joey_core12 peat core from Canada. Camill, P (2021): Geochemistry of Joey_core12 peat core from Canada. Camill, P; Barry, A; Williams, E et al. (2009): Climate-vegetation-fire interactions and their impact on long-term carbon dynamics in a boreal peatland landscape in northern Manitoba, Canada. *Journal of Geophysical Research* (and more)
Size: 678 data points
<https://doi.org/10.1594/PANGAEA.930502> - Score: 89.04
2. Camill, P (2021): Geochemistry of Joey_core12 peat core from Canada
Related to: Camill, P (2018): Geochemistry of Joey_core12 peat core. Camill, P (2021): Age determination of Joey_core12 peat core from Canada. Camill, P (2021): Calibrated ages of Joey_core12 peat core from Canada. (and more)
Size: 485 data points
<https://doi.org/10.1594/PANGAEA.928643> - Score: 88.71
3. Camill, P (2021): Age determination of Joey_core12 peat core from Canada
Related to: Camill, P (2021): Calibrated ages of Joey_core12 peat core from Canada. Camill, P (2021): Geochemistry of Joey_core12 peat core from Canada. Camill, P; Barry, A; Williams, E et al. (2009): Climate-vegetation-fire interactions and their impact on long-term carbon dynamics in a boreal peatland landscape in northern Manitoba, Canada. *Journal of Geophysical Research* (and more)
Size: 42 data points
<https://doi.org/10.1594/PANGAEA.936585> - Score: 88.56
4. Camill, P (2018): Geochemistry of Joey_core12 peat core
Related to: Camill, P (2018): Age determination of Joey_core12 peat core. Camill, P (2021): Geochemistry of Joey_core12 peat core from Canada. Camill, P; Barry, A; Williams, E et al. (2009): Climate-vegetation-fire interactions and their

Solutions to exercises



3. How many “Joey_core12” data sets exist within the project “PAGES_C-PEAT”?

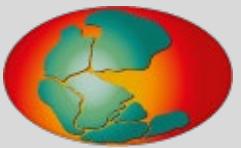
- a) Check the titles of the first 10 results. How many “Joey_core12” data sets exist within the project “PAGES_C-PEAT”?

5

The screenshot shows a web browser displaying the PANGAEA search results. The URL in the address bar is [https://www.pangaea.de/?q=PAGES_C-PEAT+joey_core12&f.project\[\]=%PAGES_C-PEAT](https://www.pangaea.de/?q=PAGES_C-PEAT+joey_core12&f.project[]=%PAGES_C-PEAT). The search term 'PAGES_C-PEAT joey_core12' is entered in the search bar. The results page indicates '15 datasets found on search for »PAGES_C-PEAT joey_core12« with facet filters'. The results are listed in a table with three columns: title, details, and a map.

Dataset Title	Details	Map
1. Camill, P (2021): Calibrated ages of Joey_core12 peat core from Canada	Related to: Camill, P (2021); Age determination of Joey_core12 peat core from Canada. Camill, P (2021); Geochemistry of Joey_core12 peat core from Canada. Camill, P; Barry, A; Williams, E et al. (2009); Climate-vegetation-fire interactions and their impact on long-term carbon dynamics in a boreal peatland landscape in northern Manitoba, Canada. <i>Journal of Geophysical Research</i> (and more) Size: 678 data points https://doi.org/10.1594/PANGAEA.930502 - Score: 89.04	Map
2. Camill, P (2021): Geochemistry of Joey_core12 peat core from Canada	Related to: Camill, P (2018); Geochemistry of Joey_core12 peat core. Camill, P (2021); Age determination of Joey_core12 peat core from Canada. Camill, P (2021); Calibrated ages of joey.core12 peat core from Canada. (and more) Size: 485 data points https://doi.org/10.1594/PANGAEA.928643 - Score: 88.71	Satellite
3. Camill, P (2021): Age determination of loev core12 peat core from Canada		

To the right of the results, there is a map interface with 'Map' and 'Satellite' buttons, and a note about creating a new geographic search coverage using the map tools.



Solutions to exercises

4. How many data sets have the event label “Joey_core12”?

- choose any data set with
“Joey_core12” in title

Not logged in

<https://doi.pangaea.de/10.1594/PANGAEA.930502?format=html#download>

PANGAEA.
Data Publisher for Earth & Environmental Science

Citation: Camill, Philip (2021): Calibrated ages of Joey_core12 peat core from Canada. PANGAEA, <https://doi.org/10.1594/PANGAEA.930502>

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

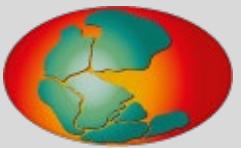
RIS Citation | BibTeX Citation | Copy Citation | Facebook | Twitter | Show Map | Google Earth | 3 | 1

Abstract: Calibrated ages of a high-resolution peat core from the Past Global Changes - Carbon in Peat on EArth through Time (PAGES_C-PEAT) Project.

Keyword(s): C-PEAT; Peatland

Related to: Camill, Philip (2021): Age determination of Joey_core12 peat core from Canada. PANGAEA, <https://doi.org/10.1594/PANGAEA.936585>
Camill, Philip (2021): Geochemistry of Joey_core12 peat core from Canada. PANGAEA, <https://doi.org/10.1594/PANGAEA.928643>

Map | Satellite | Google | Keyboard shortcuts | Map Data | 1000 km | Terms of Use



Solutions to exercises

4. How many data sets have the event label “Joey_core12”?

- choose any data set with “Joey_core12” in title
- click on magnifying glass next to “Event(s)”

https://doi.pangaea.de/10.1594/PANGAEA.930502?format=html#download Not logged in

PANGAEA. Data Publisher for Earth & Environmental Science

Citation: Camill, Philip (2021): Calibrated ages of Joey_core12 peat core from Canada. PANGAEA, <https://doi.org/10.1594/PANGAEA.930502>

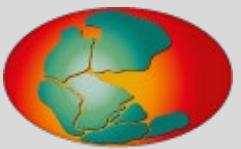
Always quote citation above when using data! You can download the citation in several formats below.

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

Map Satellite

Event(s): Joey_core12 * Latitude: 55.470000 * Longitude: -98.150000 * Elevation: 214.0 m * Recovery: 155 cm * Location: Canada * Method/Device: Peat corer (PEATC) * Comment: Coring year: 2001; peatland type: permafrost bog; basal age depth: 150.5 cm; basal age: 7145 uncal.; basal age: 6564 calBP; n dates: 8; core microtopography: n/a; carbon rate site: Y2; peat properties site: Y; peat properties sample size: 4 cm³

Camill, Philip (2021): Geochemistry of joey_core12 peat core from Canada. PANGAEA, <https://doi.org/10.1594/PANGAEA.928643>



Solutions to exercises

4. How many data sets have the event label “Joey_core12”?

5

The screenshot shows a web browser displaying the PANGAEA search results for the query "event:label:Joey_core12". The search bar at the top has the query highlighted with a red box. The results page indicates "5 datasets found on search for »event:label:Joey_core12«". The first result is a detailed entry for Camill, P (2021) about calibrated ages of Joey_core12 peat core from Canada. The second result is a related entry for Camill, P (2018) about age determination of Joey_core12 peat core.

ALL TOPICS ▾ event:label:Joey_core12 Search

5 datasets found on search for »event:label:Joey_core12«

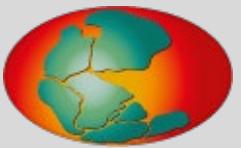
1. **Camill, P (2021):** Calibrated ages of Joey_core12 peat core from Canada

Related to: Camill, P (2021): Age determination of Joey_core12 peat core from Canada.
Camill, P (2021): Geochemistry of Joey_core12 peat core from Canada.
Camill, P; Barry, A; Williams, E et al. (2009): Climate-vegetation-fire interactions and their impact on long-term carbon dynamics in a boreal peatland landscape in northern Manitoba, Canada. *Journal of Geophysical Research*
(and more)

Size: 678 data points
<https://doi.org/10.1594/PANGAEA.930502> – Score: 15.54

2. **Camill, P (2018):** Age determination of Joey_core12 peat core

Related to: Camill, P (2018): Geochemistry of Joey_core12 peat core.
Camill, P; Barry, A; Williams, E et al. (2009): Climate-vegetation-fire interactions and their impact on long-term carbon dynamics in a boreal peatland landscape in northern Manitoba,



Solutions to exercises

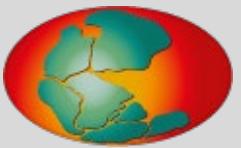
5. How many data sets use the method “Peat corer” ?

Solution A:

- search with keywords "peat corer"
- choose a data set and click on magnifying glass next to “Method/Device”

Event(s):	joey_core12 * Latitude: 55.470000 * Longitude: -98.150000 * Elevation: 214.0 m * Recovery: 155 cm * Location: Canada * Method/Device: Peat corer (PEATC) * Comment: Coring year: 2001; peatland type: permafrost bog; basal age depth: 150.5 cm; basal age: 7145 uncal.; basal age: 6564 calBP; n dates: 0; core microtopography: n/a; carbon rate site: Y2; peat properties site: Y; peat properties sample size: 4 cm^3
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extra question: Why is there a difference in searching
“peat corer” vs. peat corer?



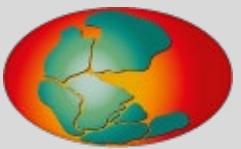
Solutions to exercises

5. How many data sets use the method “Peat corer” ?

Solution B:

- remember 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
date:	Search for datasets or assigned references 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
sensorURI: [*] ↗	Search for datasets with a Sensor URI (link to sensor.awi.de)



Solutions to exercises

5. How many data sets use the method “Peat corer” ?

Solution B:

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

The screenshot shows a web browser displaying the PANGAEA search results. The URL in the address bar is [https://www.pangaea.de/?q=method:"Peat corer"](https://www.pangaea.de/?q=method:"Peat%20corer"). The PANGAEA logo is visible on the left. A search bar contains the query "method:'Peat corer'". Below the search bar, a message states "1099 datasets found on search for »method:'Peat corer'«". Navigation buttons at the bottom allow for page navigation from 1 to 10.