

Finding the data you need to support your Southern Ocean science

Jo Beja, Pip Bricher, Steve Diggs, Mathieu Belbeoch, Ken Casey, James Cusick, Bruno Danis, Taco de Bruin, Florence Fetterer, Alex Kozyr,

Michael Morahan, Benjamin Pfeil, Roger Proctor, Scott Ritz, Stefanie Schumacher, Anton Van de Putte, Li Zong Wu, and Jie Zhang

¹British Oceanographic Data Centre, UK; ²Southern Ocean Observing System, Australia; ³Clivar and Carbon Hydrographic Data Office; ⁴COMMOPS, France; ⁵NOAA National Centers for Environmental Information, USA; ⁶Australian Antarctic Division, Australia; ⁷Universite Libre de Bruxelles, Belgium; ⁸Royal Netherlands Institute for Sea Research, Netherlands; ⁹National Snow and Ice Data Center, USA; ¹⁰NASA Global Change Master Directory, USA; ¹¹University of Bergen, Norway; ¹²IMOS/AODN, Australia; ¹³Alfred Wegener Institute, Germany; ¹⁴biodiversity.aq, Belgium; ¹⁵Polar Research Institute of China, China

The Southern Ocean Observing System (SOOS) is an international initiative with the mission to facilitate the collection and delivery of essential observations on dynamics and change of Southern Ocean systems to all international stakeholders (researchers, governments, industries), through design, advocacy and implementation of cost-effective observing and data delivery systems. As part of this, SOOS has a mandate to provide tools to make it easier to share and discover existing data from the Southern Ocean.

- Explore spatial, temporal and multi-disciplinary ocean observation data
- Overlaid on data products (e.g. SST, sea ice) and key geographic boundaries (e.g. CCAMLR)
- Discover circumpolar datasets
- Plot recent observations
- Download datasets
- New layers coming

SOUTHERN OCEAN MOORING LOCATION

Name	03
Lat/lon (DD)	-55.3678 / 16.3578
Nation/Program	United Kingdom
Deploy Status	Recovered
Deploy Date	1998-01-03
Retrieval Date	1998-11-24
Contact Name	BOOC enquiries
Contact Email	enquiries@booc.ac.uk
Data Repository	http://www.booc.ac.uk/
Direct Link to Data	
Platform to open the Data Repository	

www.soos.aq/data/soosmap

- SOOSmap was developed for SOOS by the European Marine Observation and Data Network (EMODnet) Physics group

EMODnet interface showing data plots for various parameters like PSAL-TEMP CYCLE, TEMP-PRES CYCLE, and PSAL-PRES CYCLE.

- Discover upcoming voyages
- Find potential collaborators
- Share upcoming voyage plans
- Share upcoming research projects

DUE SOUTH
DATABASE OF UPCOMING EXPEDITIONS TO THE SOUTHERN OCEAN

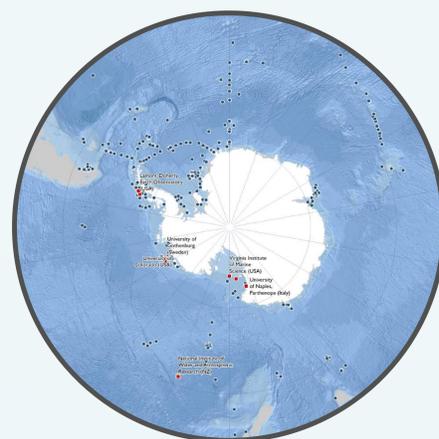
Expedition name	Vehicle type	Vehicle name	Start date	End date	Nation	Projects
NBP17-09	Ship	Nathaniel B. Palmer	2017-11-23	2017-12-09	United States	0
Belgica 120	Ship	Australis	2018-02-20	2018-03-30	Belgium	0
LMG17-11	Ship	Laurence M Gould	2017-11-14	2017-11-29	United States	0
V1 2017/18	Ship	Aurora Australis	2017-10-25	2017-12-06	Australia	0
V2 2017/18	Ship	Aurora Australis	2017-12-06	2018-01-10	Australia	0
VRO 2017/18	Ship	L'Astrolabe	2017-11-01	2017-12-17	Australia	0
SANAE / Goodhope Line	Ship	SA Agulhas II	2017-12-05	2018-02-10	South Africa	0

- DueSouth was created for SOOS by the Australian Antarctic Data Centre

DUE SOUTH
DATABASE OF UPCOMING EXPEDITIONS TO THE SOUTHERN OCEAN
www.soos.aq/

- A GCMD portal to discover smaller Southern Ocean datasets
- Data rescue for Southern Ocean moorings
- Developing federated data search tools for polar regions

www.soos.aq/



gcmd.nasa.gov/portals/soos/

SOOSmap

DueSouth

Other projects