## 5005

### data sharing tools for the Southern Ocean

Pip Bricher, Steve Diggs, Jo Beja and the SOOS data committee









**Under** Ice Acoustic sensing of whales Animals from space **Air-Sea fluxes** Observing System Design

SOOS

Working Groups

Water, water everywhere, nor any drop to drink

(Samuel Taylor Coleridge, 1798)









### soos.aq/soosmap







BATA PLOTS DATA DOWNLOAD 2014 - 2016 Documentation & HOM DASHDOARD



gnick doarsicas(00 days): milect data format and go

Preview

NetCDF CSV Download



PLATFORM CODE 6901849

WMO CODE 6501845

### INSTITUTION

OGS - Istituto Nazionale di Oceanografia e di Geofisica Sperimentale - Divisione di Oceanografia - Italy

ASSEMBLY CENTER GLOBAL DAC (Corieris)

TYPE ingo/pricitler

PRINCIPAL INVESTIGATOR Fierre-Marie POULAIN

CMEMS - PROD ID INSITU GLO NRT OBSERVATIONS 013 030

SOOS

### DATA QUALITY REFERENCES

Argo DOI Argo GDAC Argo Data Guide



7 Days 10 Days Older data



No data available for PSAL-TEMP last 60 days

plots are a Runtime undersampled view of the dataset, to see hill details open the "preview"







PHYSICS Oceans physics at your fingertips













### DUE SOUTH DATABASE OF UPCOMING EXPEDITIONS TO THE SOUTHERN OCEAN





Australian Government Department of the Environment Australian Antarctic Division





# Who is going where?

When are they going?







### Share logistics Spark collaborations Avoid duplication of effort





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Vehicle Type       Vehicle Type       SOOS Region					manan
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Spatial (Bounding Box)	11 JR17001	RRS James Clark Ross	Ship 0	2017-11-21 2017-12-16	United Kingdom
	12 SR1b repeat hydrography 2019/2020	RRS James Clark Ross	Ship 0	2019-11-01 2019-12-01	United Kingdom
	13 SR1b repeat hydrography 2020/2021	RRS Sir David Attenborough	Ship 0	2020-11-01 2020-12-01	United Kingdom
	14 A23 repeat hydrography section	RRS James Clark Ross	Ship 0	2018-01-20 2018-02-11	United Kingdom
	15 A23 repeat hydrography section 2018/19	RRS James Clark Ross	Ship 0	2019-01-01 2019-05-01	United Kingdom
	16 A23 repeat hydrography section 2019/20	RRS James Clark Ross	Ship 0	2020-01-01 2020-05-01	United Kingdom
	17 A23 repeat hydrography section 2020/21	RRS Sir David Attenborough	Ship 0	2021-01-01 2021-05-01	United Kingdom
Lat 0 Lng 0	18 Orkney Passage moorings 2018/19	RRS James Clark Ross	Ship 0	2019-01-01 2019-05-01	United Kingdom
Inc. 0. Lot. 0.	19 Orkney Passage moorings 2020/21	RRS Sir David Attenborough	Ship 0	2021-01-01 2021-05-01	United Kingdom
Lat 0	20 V1 2017/18	Aurora Australis	Ship 0	2017-10-25 2017-12-06	Australia
	21 LMG17-06 (XBT)	Laurence M. Gould	Ship 0	2017-06-30 2017-07-24	United States
	22 Tangaora Antarotic Voyage 2018	Tangaroa	Ship 0	2018-02-01 2018-03-31	New Zealand
	23 Tangaroa Antarctic Voyage 2019	Tangaroa	Ship 0	2019-01-01 2019-02-28	New Zealand
	24 IDEAL Beagle Channel 2017	FORREST	Ship 1	2017-07-17 2017-07-28	Chile





https://allyouneedisbiology.wordpress.com

Metadata catalogue Data appresation Federated metadata Duesouth Virtuallabs soosmap (planning) search



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### Service Providers



EMODnet European Marine Observation and

Data Network

TGERS



THE STATE UNIVERSITY OF NEW TERSEY Australian Government

ANTARCTIC CLIMATE & ECOSYSTEMS CRC





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