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E-mail	i. ezinebuut.at	ИК			
Cruise Name: [any identifier (acronyms),	ruise Name: [any identifier (acronyms), AU0703, SAZ-Sense ("Sensitivity of the subantarctic to				
Rettorm Name and type: DSV Aurora	Austrolio	(change)			
Ivessel mooring satellite towed vehicle 1	Australis				
Project: SAZ-Sense, ACE CRC, Austra	lian Antarctic	Science project #2	2720		
[associated project or program name related to f	funding]				
Lead Nation: Australia	17 H				
Chief scientist (Lead scientist / Princi	pal Investiga	tor) contact detai	ls		
Name: Brian Griffiths Email:		-	Phone: (61) 3 6232 5338		
	Brian.	Griffiths@csiro.au	× <i>*</i>		
Mailing Address: CSIRO Division of Marine and Atmospheric Rese GPO Box 1538, Hobart, Tasmania Australia 700	earch 1				
Co-Chief scientist contact details: [GE	OTRACES poin	of contact if different	from Chief scientist]		
Name: Dr Andrew Bowie	Email Andre .au	w.Bowie@utas.edu	Phone: (61) 3 6226 2509		
University of Tasmania Private Bag 80, Hobart, TAS 7001, Australia					
Start Part and Country, Hohart Australia		Start data: 21 Jan	uon/ 2007		
Start Port and Country: Hobart, Australia					
End Port and Country: Hobart, Australia End Date: 19 February 2007					
Location: <i>Igeneral description of study area; m</i> Diamond grid in subantarctic and polar front	tal waters south	of Tasmania (Austr	alia); map attached		
Cruise Overview: [proposal abstract] The overall objective is to characterize Southern exchange with the atmosphere and the deep oce climate warming, ocean stratification, and ocean to take advantage of naturally-occurring, persiste biomass in the Australian Sector to investigate th anthropogenic sources, on Southern Ocean plan	Ocean marine e ean, and their se acidification fror ent, zonal variation ne effects of iron akton communitie	cosystems, their influensitivity to past and fur n anthropogenic CO2 ons in Southern Ocear addition from natural s s of differing initial str	ence on carbon dioxide ture global change including emissions. In particular we plan n primary production and sources, and CO2 addition from ucture and composition.		
Intercalibration: [Scheme to ensure intercal standards, collaborative sampling. Please pro- the requirements of the GEOTRACES pl Use of SAFe standards Intercalibration for Fe between University of Task	libration of result vide details of rogramme] mania (Australia	s to GEOTRACES req how each elemen and University of Ota	uirements e.g. use of SaFe It was calibrated to meet ago (New Zealand) laboratories		

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Antioinstad list	of personators to be submitted to CDACL Key personators li	lated places list any other				
Anticipated list	of parameters to be submitted to GDAC. Key parameters in	sted please list any other				
parameters measure	ed and the Pi contact					
Trace elements:	Contact for each element (PI); [name and email]	Internationally				
	Andrew Bowie Andrew Bowie Quites adu su					
	Andrew Bowie, Andrew.Bowie@ulds.euu.au					
	Andrew Dowle, Ed Duller Ed Dutter, Michael Ellweed, ellweed@eme enwedwew					
	Ed Butler, Michael Ellwood, ellwood@ems.anu.edu.au	yes SAFe reference				
	Ed Butler, Ed.Butler@csiro.au	yes SAFe reference				
	Ed Butler, Ed.Butler@csiro.au	yes SAFe reference				
	Ed Butler, <u>Ed.Butler@csiro.au</u>	yes SAFe reference				
Other, CSV-Fe	Enitan Ibisanmi, <u>eibisanmi@cnemistry.otago.ac.nz</u>	no				
Other, Co	Michael Eliwood, eliwood@ems.anu.edu.au	yes				
Radioactive						
$\square \delta^{13}N$						
$\boxtimes \delta^{13}C$	Iom Iruli, Iom.Iruli@utas.edu.au	To be confirmed				
Radiogenic						
isotopes:						
☐ Nd isotopes						
Pb isotopes						
U Other						
Other parameters	S:					
Particulate trace me	tals by synchrotron, Phoebe Lam, pilam@whoi.edu					
Fe bioreporter, Christel Hassler, Christel.Hassler@uts.edu.au						
List CTD hydrographic parameters [sensors including make; salinity, temperature, oxygen, nutrients etc]						
Salinity, temperature, pressure (depth); conductivity, oxygen and calibrated versus Winkler titrations of samples,						
fluorescence, light transmission; ADCP, Major nutrients silicate, nitrate, phosphate, ammonia						
Mark Rosenberg, Mark.Rosenberg@utas.edu.au						
Particles/Aerosols:						
Suspended particulate trace metals (in situ McLane numps), Andrew Bowie						
Sinking particulate trace metals (PPS3/3 sediment traps) Andrew Bowie						
Aerosols, Thibaut Wagener, twagener@ifm-geomar.de						
······································						
Elements include: Fe, Al, Zn, Mn, Cd, Cu, Co. Ni. Aa. Pb						
List Underway data: [Met data navigation hull mounted sensors including make and model]						
Mataorology datasat weather forecasts bothymatry CDS continuous underway massurements and database						
interestionagy undaset, weather forecasis, bathymetry, GFS, continuous underway measurements and database						
of sea-surarce samily, temperature, pCO2						
Is there a national data centre: (name and contact) [If not GDAC should be used]						
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Metadata has been submitted to the Australian Antarctic Data Centre (AADC, http://data.aad.gov.au/), as the cruise was an approved Australian Antarctic Science project (#2720), and also achieved at a CSIRO website for the project (<u>http://www.marine.csiro.au/datacentre/saz-sense</u>; contact Di Davies, Diana.Davies@csiro.au)

Other relevant information:

Website: http://www.marine.csiro.au/datacentre/saz-sense

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Figure 1. SAZ-Sense voyage track and station locations superimposed on ESA Meris satellite ocean color composite image from 5-11 February 2007.