

# Ships of Opportunity facility - data currently available via the portal



Data summary - report run on Thursday 31 August 2017

<b>Headers:</b>	Sub-facility.
<b>Sub-header</b>	Data type.
<b># deployments:</b>	Number of deployments/cruises for each line or vessel.
<b># data files/profiles:</b>	Number of data files or profiles (for SOOP-XBT only); for the CPR-AUS sub-facility: total number of PCI, phytoplankton, and zooplankton samples, for the CPR-SO sub-facility: total number of PCI and zooplankton.
<b># measurements:</b>	Number of measurements collected for each line or vessel, not applicable for the CPR-AUS and CPR-SO sub-facilities.
<b>Start:</b>	Data recording earliest date (format: dd/mm/yyyy).
<b>End:</b>	Data recording latest date (format: dd/mm/yyyy).
<b># days of data:</b>	Total number of days with data for each line or vessel.
<b>Ships of Opportunity:</b>	<a href="http://imos.org.au/shipsopportunity.html">http://imos.org.au/shipsopportunity.html</a> .
<b>ASF:</b>	Air-Sea Fluxes sub-facility ( <a href="http://imos.org.au/airseaflux.html">http://imos.org.au/airseaflux.html</a> ).
<b>BA:</b>	Bio-Acoustic sub-facility ( <a href="http://imos.org.au/bioacoustic.html">http://imos.org.au/bioacoustic.html</a> ).
<b>CO2:</b>	CO2 sub-facility.
<b>CPR:</b>	Continuous Plankton Recorder (AUS - Australia, SO - Southern Ocean) sub-facility ( <a href="http://imos.org.au/auscontinuousplanktonrecorder.html">http://imos.org.au/auscontinuousplanktonrecorder.html</a> ).
<b>SST:</b>	Sea Surface Temperature sub-facility ( <a href="http://imos.org.au/sstsensors.html">http://imos.org.au/sstsensors.html</a> ). Four additional vessels recording SST (i.e. R/V Southern Surveyor, RV Tangaroa, RV Cape Ferguson and RV Solander) are not reported in the SST section but in the ASF and TRV sections.
<b>TMV:</b>	Temperate Merchant Vessels sub-facility ( <a href="http://imos.org.au/temperatemerchantvessels.html">http://imos.org.au/temperatemerchantvessels.html</a> ).
<b>TRV:</b>	Tropical Research Vessels sub-facility ( <a href="http://imos.org.au/tropicalresearchvessels.html">http://imos.org.au/tropicalresearchvessels.html</a> ).
<b>XBT:</b>	Expendable Bathythermograph sub-facility ( <a href="http://imos.org.au/expendablebathythermograph.html">http://imos.org.au/expendablebathythermograph.html</a> ).

Line or Vessel name	# deploy-ments	# data files/profiles	# measurements	Start	End	# days of data
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## ASF

### Flux product

Aurora Australis	18	574	97,789	02/12/2010	30/03/2017	595
Investigator	1	315	31,991	24/03/2016	24/08/2017	519
Southern Surveyor	66	948	125,608	16/04/2008	16/10/2013	974
Tangaroa	30	1,383	321,139	27/04/2011	31/07/2017	2,122

### Meteorological SST observations

Aurora Australis	32	1,027	1,432,414	27/01/2008	30/03/2017	1,014
Investigator	19	321	403,549	24/03/2016	24/08/2017	316
Southern Surveyor	76	1,099	1,428,155	04/02/2008	16/10/2013	988

Line or Vessel name	# deploy-ments	# data files/profiles	# measurements	Start	End	# days of data
Tangaroa	29	1,793	2,574,861	27/04/2011	31/07/2017	2,147

## BA

### Delayed-mode

Antarctic Discovery	5	5	25,535	20/11/2015	15/03/2016	62
Atlas Cove	4	4	13,718	02/05/2016	30/07/2016	28
Aurora Australis	1	1	1,341	16/04/2012	18/04/2012	3
Austral Leader II	9	9	30,677	07/07/2011	31/08/2014	69
Corinthian Bay	5	5	16,239	21/03/2016	16/08/2016	37
Investigator	3	3	5,013	16/02/2016	12/06/2017	29
Isla Eden	9	9	20,846	04/07/2013	14/09/2016	64
Janas	21	21	41,219	21/08/2009	10/11/2015	113
Kaharoa	15	15	56,038	26/07/2013	20/12/2016	137
Oscar Elton Sette	1	1	3,686	09/03/2011	24/03/2011	15
Rehua	7	7	13,507	13/08/2009	18/06/2013	25
Santo Rocco	5	5	4,473	26/04/2012	29/12/2012	20
Saxon Onward	2	2	3,926	13/06/2015	01/08/2015	10
Southern Champion	6	6	11,894	19/01/2010	16/11/2012	27
Southern Surveyor	20	20	21,817	31/01/2010	16/10/2013	56
Tangaroa	1	1	3,734	31/01/2008	09/02/2008	9
Will Watch	25	25	42,387	20/05/2011	13/05/2016	87

## CO2

### Delayed-mode

Aurora Australis	28	28	696,467	04/01/2011	30/03/2017	855
L'Astrolabe	18	18	68,569	19/02/2010	04/03/2013	96
RV Investigator	19	19	313,166	21/03/2015	14/05/2017	402
RV Tangaroa	16	16	249,349	02/02/2013	22/12/2014	301

Line or Vessel name	# deploy-ments	# data files/profiles	# measurements	Start	End	# days of data
Southern Surveyor	67	67	690,083	11/01/2008	16/10/2013	885

## CPR

### AUS

ANL Waratah IMO 9326794	4	461	N/A	09/11/2015	17/11/2015	4
ANL Whyalla IMO 9295359	20	2,333	N/A	02/11/2013	06/02/2015	21
ANL Windarra IMO 9324849	40	4,607	N/A	26/06/2009	16/11/2012	38
Aurora Australis IMO 8717283	27	9,314	N/A	24/11/2007	26/01/2017	399
Hespérides IMO 8803563	1	344	N/A	17/03/2011	25/03/2011	8
Island Chief IMO 8810449	28	2,575	N/A	24/03/2014	12/12/2015	66
Kweichow IMO 9070694	23	1,165	N/A	08/11/2013	09/02/2017	24
Philadelphia IMO 9232101	3	238	N/A	02/08/2015	12/08/2015	3
Portugal IMO 9147083	2	224	N/A	08/03/2016	11/03/2016	2
Rehua IMO 9147784	4	1,063	N/A	13/08/2010	18/06/2013	14
RV Cape Ferguson IMO 9240861	4	105	N/A	14/03/2012	03/06/2013	3
RV Investigator IMO 9616888	11	697	N/A	10/11/2014	28/08/2016	12
RV Solander IMO 9423463	4	285	N/A	18/11/2011	17/08/2012	6
Salome IMO	12	1,131	N/A	27/10/2016	29/06/2017	11
Southern Surveyor IMO 7113002	22	4,596	N/A	28/03/2010	30/09/2013	109
Tonsberg IMO 9515383	12	870	N/A	28/07/2016	04/04/2017	9

### SO

Akademik Federov	3	528	N/A	26/01/2008	18/02/2008	4
Aurora Australis	304	25,285	N/A	12/01/1991	27/03/2010	345
Hakuho Maru	7	162	N/A	10/01/2002	19/01/2002	2
Kaiyo Maru	6	281	N/A	24/11/1999	09/02/2000	3
Polarstern	18	958	N/A	31/03/2004	31/01/2008	16
San Aotea II	16	1,698	N/A	19/12/2008	17/02/2010	19
Shirase	54	2,882	N/A	07/12/1999	15/03/2008	45

Line or Vessel name	# deploy-ments	# data files/profiles	# measurements	Start	End	# days of data
Shirase2	6	349	N/A	02/12/2009	12/03/2010	8
Tangaroa	33	2,789	N/A	07/02/2002	09/02/2010	35
Umitaka Maru	63	3,267	N/A	02/01/2005	02/02/2009	45
Yuzhmorgeologiya	3	284	N/A	12/01/2008	13/03/2008	2

## SST

### Delayed-mode

L'Astrolabe	25	587	819,701	21/10/2008	07/03/2013	998
Wana Bhum	1	252	346,992	05/08/2012	12/04/2013	251
Xutra Bhum	1	285	409,658	01/07/2012	12/04/2013	286

### Near real-time

Fantasea Wonder	1	191	32,635	05/11/2008	28/03/2010	508
Highland Chief	1	1,438	30,686	30/09/2009	19/11/2014	1,877
Iron Yandi	1	566	12,473	10/02/2010	18/01/2012	708
L'Astrolabe	22	1,314	25,641	14/12/2008	17/10/2016	3,483
Linnaeus	24	205	169,999	01/12/2011	23/03/2015	271
OOCL Houston	1	145	3,410	04/09/2016	24/03/2017	202
OOCL Panama	1	601	12,638	05/01/2015	17/03/2017	803
Pacific Celebes	1	1,136	656,755	30/01/2008	24/03/2012	1,515
Pacific Sun	1	501	11,254	12/12/2010	08/07/2012	574
Portland	1	1,954	37,952	20/06/2009	10/11/2015	2,335
RV Cape Ferguson	1	696	735,807	20/05/2013	17/10/2016	1,247
RV Solander	1	648	805,041	16/05/2013	16/10/2016	1,249
SeaFlyte	1	1,737	689,832	30/04/2008	01/07/2017	3,349
Spirit of Tasmania 2	1	2,620	58,138	18/12/2008	27/08/2017	3,175
Stadacona	1	2,074	45,781	10/08/2009	27/08/2017	2,940
WAKMATHA	1	89	111,671	11/07/2014	28/05/2015	320
Wana Bhum	1	249	11,505	05/08/2012	15/04/2013	253

Line or Vessel name	# deploy-ments	# data files/profiles	# measurements	Start	End	# days of data
Xutra Bhum	1	265	23,362	03/07/2012	12/04/2013	284

## TMV

### Delayed-mode

Spirit of Tasmania 1	7	1,640	5,888,726	28/08/2008	22/04/2014	2,061
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### Near real-time

Spirit of Tasmania 1	1	147	526,332	05/04/2016	12/09/2016	160
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## TRV

### Delayed-mode

Cape Ferguson	186	735	53,953,345	30/09/2008	21/08/2017	1,587
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Solander	163	648	47,934,093	25/02/2010	23/07/2017	1,496
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## XBT

### Delayed-mode

indian-ocean   Indian-Ocean	5	336	N/A	08/06/1996	22/02/2010	42
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IX12   Fremantle-Red-Sea	30	19,417	21,650,245	15/08/1986	23/12/2015	9,780
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IX15-IX31   Mauritius-Melbourne	2	994	396,532	03/01/2006	07/02/2007	316
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IX15   Mauritius-Fremantle	4	1,492	599,681	08/09/1994	14/10/2005	870
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IX1   Fremantle-Sunda-Strait	34	18,291	21,637,826	31/05/1983	03/01/2016	11,213
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IX21   Cape-of-Good-Hope-Mauritius	6	1,061	413,275	18/09/1994	18/02/2007	783
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IX21-IX06   Cape-of-Good-Hope-Mauritius-M	3	1,345	533,685	18/04/2007	28/04/2009	369
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IX22   Fremantle-Flores-Sea	1	82	129,316	07/07/2007	01/10/2007	86
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IX22-PX11   Port-Hedland-Japan	29	9,941	10,363,707	27/07/1986	03/08/2014	8,452
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IX28   Dumont-d-Urville-Hobart	26	10,398	13,349,245	06/12/1992	07/03/2017	8,329
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IX2   Cape-of-Good-Hope-Fremantle	1	459	222,156	14/07/2012	05/11/2012	114
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IX8   Mauritius-Bombay	2	125	45,815	28/02/1992	24/02/1993	246
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IX9   Fremantle-Persian-Gulf	12	2,037	635,525	18/11/1985	26/01/1996	2,992
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Line or Vessel name	# deploy-ments	# data files/profiles	# measurements	Start	End	# days of data
PX05   Noumea-Auckland	2	356	149,342	19/07/2009	13/12/2010	395
PX06   Suva-Auckland	8	2,176	957,087	29/09/2006	25/01/2013	1,630
PX13   New-Zealand-California	15	3,329	1,395,506	03/03/1986	10/01/2010	3,106
PX17   Tahiti-Panama	3	583	120,870	26/11/1984	09/11/1986	674
PX28   Tahiti-Auckland	1	57	12,221	31/08/1984	01/10/1984	31
PX2   Flores-Sea-Torres-Strait	33	7,691	8,150,006	17/06/1983	12/12/2015	10,374
PX30-31   Brisbane-Noumea-Suva	27	9,417	10,815,870	05/05/1991	08/02/2017	6,722
PX31   Noumea-Suva	2	259	114,990	22/07/2009	15/12/2010	394
PX32   Sydney-Auckland	1	52	N/A	05/06/2015	08/06/2015	4
PX33   Hobart-Macquarie-Island	8	441	592,507	12/12/1992	25/10/2015	235
PX34   Sydney-Wellington	29	5,881	6,974,772	04/12/1988	25/02/2017	6,913
PX35   Melbourne-Dunedin	2	274	89,690	30/01/1991	01/05/1992	238
PX3   Coral-Sea	14	2,726	1,179,227	13/06/1983	03/09/1999	3,181
PX55   Melbourne-Wellington	1	71	26,486	25/10/1991	28/10/1991	3
PX57   Brisbane-Wellington	1	19	4,286	26/08/1984	22/09/1984	28
PX5   Brisbane-Japan	9	2,108	1,280,353	02/11/1987	28/11/1997	2,501
SO   Southern-Ocean	19	668	N/A	26/12/1978	27/12/2013	747
Tasman-sea   Tasman-Sea	22	1,787	1,576	02/07/1987	09/02/2015	4,608

## Near real-time

Alaba	1	37	602	16/03/2015	18/03/2015	2
ANL Benalla	2	268	8,012	21/05/2014	08/06/2015	304
Astrolabe	6	1,486	43,087	20/02/0200	31/12/2017	1,321
Capitaine-Fearn	1	90	2,700	20/11/2014	25/11/2014	6
IX28   Astrolabe	5	1,289	39,107	30/10/2010	04/03/2014	1,145
Maersk-Jalan	4	439	13,170	07/01/0200	19/05/2017	457
Patricia-Schulte	1	47	1,410	12/08/2015	15/08/2015	2
PX30-31   Chenan	1	95	2,850	27/10/2013	31/10/2013	4
PX30-31   Florence	2	470	14,100	11/05/2010	30/04/2011	249

Line or Vessel name	# deploy-ments	# data files/profiles	# measurements	Start	End	# days of data
PX30-31   Pacific-Gas	1	186	5,580	07/03/2012	12/09/2012	189
PX30-31   Schelde-Trader	1	34	1,020	23/11/2011	25/11/2011	2
PX30-31   Shengking	1	96	2,880	12/02/2014	16/02/2014	4
PX30-31   Sofranar-Surville	2	107	3,210	13/12/2011	06/06/2013	4
PX30-31   Southern-Surveyor	1	71	2,130	03/05/2012	09/05/2012	6
PX30-31   Tropical-Islander	1	38	1,140	06/06/2013	07/06/2013	2
PX33   Astrolabe	3	212	6,360	20/10/2010	27/10/2012	16
PX34   ANL Benalla	3	389	11,670	21/09/2012	09/02/2014	349
PX34   Buxlink	2	167	5,010	07/10/2010	08/04/2011	81
PX34   Conti-Harmony	1	57	1,710	05/10/2011	08/10/2011	3
PX34   Merkur-Sky	1	103	4,110	31/01/2012	24/05/2012	114
PX34   Vega-Gotland	1	61	1,830	11/07/2010	13/07/2010	3
Shengking	5	692	20,760	15/02/0200	23/07/2017	175
Siangtan	3	610	18,300	22/08/2015	30/05/2017	280
Tasman-sea   Santos-Express	1	15	750	18/08/2013	18/08/2013	0
Vega-Gotland	1	1	30	08/03/2010	08/03/2010	0

		Total number of vessels	Total number of deployments	Total number of data files	Total number of measurements	Total number of days	Temporal range
ASF	Flux product	4	115	3,220	576,527	4,210	16/04/2008 - 24/08/2017
ASF	Meteorological SST observations	4	156	4,240	5,838,979	4,464	27/01/2008 - 24/08/2017
BA		17	139	139	316,050	790	31/01/2008 - 12/06/2017
CO2		5	148	148	2,017,634	2,538	11/01/2008 - 14/05/2017
CPR	AUS	16	217	30,008	null	727	24/11/2007 - 29/06/2017
CPR	SO	11	513	38,483	null	524	12/01/1991 - 27/03/2010
SST	Near real-time	18	62	16,429	3,474,580	25,092	30/01/2008 - 27/08/2017
SST	Delayed-mode	3	27	1,124	1,576,351	1,534	21/10/2008 - 12/04/2013
TMV	Near real-time	1	1	147	526,332	160	05/04/2016 - 12/09/2016
TMV	Delayed-mode	1	7	1,640	5,888,726	2,061	28/08/2008 - 22/04/2014
TRV		2	349	1,383	101,887,438	3,083	30/09/2008 - 21/08/2017
XBT	Near real-time	25	51	7,060	211,528	4,716	07/01/0200 - 31/12/2017
XBT	Delayed-mode	31	352	103,873	101,841,797	85,372	26/12/1978 - 07/03/2017
<b>TOTAL</b>		96	1,407	139,403	224,155,942	134,020	07/01/0200 - 31/12/2017

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