

Start & End Dates	Ship	Project	Cruise id.	Country	Chief Scientist	Where	Rec. created
08/03/1990 to 16/03/1990	RV Benguela	BEP	246	South Africa	L.Hutchings	Indian Ocean 15.5-17.5 E,31-34 S	20.01.1994
12/02/1991 to 25/02/1991	RFS Africana	BEP	89	South Africa	L.Hutchings	Indian Ocean 18-16.5 E,31.5-33 S	20.01.1994
04/04/1991 to 12/05/1991	SA Agulhas	SAAMES	SAAMES I	South Africa	M. Lucas	Prince Edward Is./SubTropical Convergence (35-35S, 20-40E)/W	26.01.1994
??/03/1992 to ??/??/1992	Marion Dufresne	WOCE	35MF	France	M. Fieux	WOCE line IR6 (Java to Australia)	22.04.1999
05/01/1992 to 24/01/1992	M/V Aghyar-S	NASEER	N1	Pakistan	Shahid Amjad	Arabian Sea 20-25N, 60-67E	29.05.1996
07/01/1992 to 28/01/1992	RFS Africana	BEP	90	South Africa	A.Boyd	Indian Ocean 17.5-30 E,33-37 S	20.01.1994
01/04/1992 to 28/04/1992	O.R.V. Franklin	GASP	FR03/92	Australia	M. Furnas	Timor Sea Arafura Sea N. Coral Sea: 19S 147E-14S 124E and bac	01.11.1994
21/05/1992 to 12/06/1992	R.V. Tyro	NIOP-JGOFS	B0/C0	Netherlands	M.A. Baars	Red Sea, Somali Basin	26.12.1993
18/06/1992 to 09/07/1992	R.V. Tyro	NIOP-JGOFS	A1	Netherlands	C. Heip	Kenyan coast	26.12.1993
12/07/1992 to 08/08/1992	R.V. Tyro	NIOP-JGOFS	B1	Netherlands	M.A. Baars	Somali Basin, Gulf of Aden	26.12.1993
07/08/1992 to 25/08/1992	M/V Aghyar-S	NASEER	N2	Pakistan	Arshad Ali	Arabian Sea 20-25N, 60-67E	29.05.1996
12/08/1992 to 04/09/1992	R.V. Tyro	NIOP-JGOFS	C1	Netherlands	S.R. Troelstra	Yemen/Oman, Somali Basin	26.12.1993
08/09/1992 to 26/09/1992	R.V. Tyro	NIOP-JGOFS	D1	Netherlands	W.J.M. van der Linden	Arabian Sea	26.12.1993
21/09/1992 to 07/10/1992	ORV Sagar Kanya	JGOFS-INDIA	SK77	India	M. Madhupratap	Arabian Sea 5N-23N, 65-75E	29.05.1996
04/10/1992 to 25/10/1992	R.V. Tyro	NIOP-JGOFS	D2	Netherlands	W.J.M. van der Linden	N. Arabian Sea	26.12.1993
27/10/1992 to 16/11/1992	R.V. Tyro	NIOP-JGOFS	D3	Netherlands	C.H. van der Weijden	Arabian Sea	26.12.1993
19/11/1992 to 08/12/1992	R.V. Tyro	NIOP-JGOFS	A2	Netherlands	J. Everaarts/C. Heip	Kenyan coast	26.12.1993
11/12/1992 to 09/01/1993	R.V. Tyro	NIOP-JGOFS	E	Netherlands	J. van der Land	Seychelles, Amirante Islands	26.12.1993
11/01/1993 to 06/02/1993	R.V. Tyro	NIOP-JGOFS	B2	Netherlands	M.A. Baars	Somali Basin, Gulf of Aden, S. Red Sea	26.12.1993
09/02/1993 to 07/03/1993	R.V. Tyro	NIOP-JGOFS	C2	Netherlands	Tj.C.E. van Weering	Somali Basin, Yemen/Oman	26.12.1993
13/03/1993 to 23/03/1993	M/V Mangan	NASEER	N3	Pakistan	Shahid Amjad	Arabian Sea 20-25N, 60-67E	29.05.1996
21/06/1993 to 14/07/1993	SA Agulhas	SAAMES	SAAMES III	South Africa	J. Lutjeharms	SubTropical Convergence/WOCE ISS1	26.01.1994
21/07/1993 to 10/08/1993	R.V. Lady Basten	GASP		Australia	M. Furnas	N. Great Barrier Reef Arafura Sea Timor Sea NE Indian Ocean:19	01.11.1994
11/09/1993 to 23/09/1993	ORV Sagar Kanya	JGOFS-INDIA	SK87	India	M. Madhupratap	Arabian Sea 5N-23N, 65-75E	29.05.1996
24/10/1993 to 13/11/1993	R.V. Lady Basten	GASP		Australia	M. Furnas	NE Indian Ocean Timor Sea Arafura Sea N. Great Barrier Reef:18	01.11.1994
12/04/1994 to 12/05/1994	ORV Sagar Kanya	JGOFS-INDIA	SK91	India	P. Bhattathiri	Arabian Sea 5N-23N, 65-75E	29.05.1996
10/05/1994 to 21/05/1994	S/V Behr Paima	NASEER	N4	Pakistan	Arshad Ali	Arabian Sea 20-25N, 60-67E	29.05.1996
01/08/1994 to 21/08/1994	RRS Discovery	WOCE/Arabesque	DI209	United Kingdom	P. Herring	Arabian Sea	30.12.1993
25/08/1994 to 04/10/1994	RRS Discovery	Arabesque	DI210	United Kingdom	F. Mantoura	Arabian Sea	30.12.1993
18/09/1994 to 07/10/1994	R/V Thomas Thompson	JGOFS	TTN-039	United States	L. Codispoti	Arabian Sea	15.08.1994
11/10/1994 to 24/10/1994	R/V Thomas Thompson	JGOFS	TTN-040	United States	C. Eriksen	Arabian Sea	15.08.1994
28/10/1994 to 21/11/1994	R/V Thomas Thompson	JGOFS	TTN-041	United States	S. Honjo	Arabian Sea	15.08.1994
08/10/1994 to 10/11/1994	RRS Discovery	DMLbenthic cruise	DI211	United Kingdom	J. Gage	Arabian Sea	30.12.1993
14/11/1994 to 13/04/1995	Shirase	Antartic Survey	JARE96	Japan	H. Yoritaka	Indian Ocean, Philippine Sea, East Indian Archipelago,South Chin	03.04.1998
18/11/1994 to 19/12/1994	RRS Discovery	Arabesque	DI212	United Kingdom	P. Burkill	Arabian Sea	30.12.1993
22/11/1994 to 14/02/1995	Hakuho Maru	S.Ocean Exped.	KH94-4	Japan	K. Kawaguchi	Indian Ocean, South Pacific Ocean	03.04.1998
28/11/1994 to 19/12/1994	R/V Thomas Thompson	JGOFS	TTN-042	United States	D. Young	Arabian Sea	15.08.1994
01/12/1994 to 19/01/1995	R/V Knorr	WOCE		United States	M. McCartney	WOCE sector I8S/I9S	21.07.1999
??/12/1994 to ??/01/1995	S/V Behr Paima	NASEER	N5	Pakistan	Moazzam Ali	Arabian Sea 20-25N, 60-67E	29.05.1996
08/01/1995 to 05/02/1995	R/V Thomas Thompson	JGOFS	TTN-043	United States	M. Roman	Arabian Sea	15.08.1994
24/01/1995 to 06/03/1995	R/V Knorr	WOCE		United States	A. Gordon	WOCE sector I9N	21.07.1999

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03/02/1995 to 04/03/1995	ORV Sagar Kanya	JGOFS-INDIA	SK99	India	M. Madhupratap	Arabian Sea 5N-23N, 65-75E	29.05.1996
09/02/1995 to 28/02/1995	R/V Thomas Thompson	JGOFS	TTN-044	United States	K. Brink	Arabian Sea	15.08.1994
06/03/1995 to 22/03/1995	R/V Meteor	JGOFS	Met31/3	Germany	C. Hemleben	Arabian Sea 12N 43E to 17N 60E and back	29.03.1996
10/03/1995 to 06/04/1995	R/V Knorr	WOCE		United States	L. Talley	WOCE sector 18N/15E	21.07.1999
14/03/1995 to 10/04/1995	R/V Thomas Thompson	JGOFS	TTN-045	United States	J. Marra	Arabian Sea	15.08.1994
21/03/1995 to 22/04/1995	R/V Malcom Baldrige	WOCE	3175MB95/2	United States	F. Field	WOCE line IR3 (Arabian Sea sector)	22.04.1999
23/03/1995 to 23/04/1995	R/V Meteor	WOCE	M32/1	Germany	F. Schott	Arabian Sea 12N51E-3S50E and 3S57E-17N58E (WOCE line IR	29.03.1996
14/04/1995 to 29/04/1995	R/V Thomas Thompson	JGOFS	TTN-046	United States	R. Weller	Arabian Sea	15.08.1994
23/04/1995 to 05/06/1995	R/V Knorr	WOCE		United States	W. Nowlin	WOCE sector I3	21.07.1999
27/04/1995 to 24/05/1997	R/V Malcolm Baldrige	GLOBEC		United States	P. Ortner	Arabian Sea (Colombo to Muscat)	13.01.1997
26/04/1995 to 15/05/1995	R/V Thomas Thompson	JGOFS	TTN-047	United States	J. Dymond	Arabian Sea	15.08.1994
29/04/1995 to 04/05/1995	R/V Meteor	GJGOFS	Met32/2	Germany	M. Wiesener	Arabian Sea 24N 60E; 25N 67E	29.03.1996
05/05/1995 to 05/06/1995	R/V Meteor	GJGOFS	Met32/3	Germany	F. Pollehne	Arabian Sea 65E 7N, 65E 15N	01.06.1994
08/06/1995 to 08/07/1995	R/V Meteor	WOCE	Met32/4	Germany	D. Quadfasel	Arabian Sea 5S 55E to 17N 54E and back	29.03.1996
11/06/1995 to 11/07/1995	R/V Knorr	WOCE		United States	J. Toole	WOCE sector I5W/I4	21.07.1999
21/06/1995 to 13/07/1995	R/V Thomas Thompson	JGOFS	TTN-048	United States	K. Brink	Arabian Sea	15.08.1994
14/07/1995 to 14/08/1995	R/V Meteor	GJGOFS	Met32/5	Germany	B.Zeitzschel	Arabian Sea 57E 18N to 62.5E 14N; 65E 15N to 65E 0N	01.06.1994
15/07/1995 to 24/08/1995	R/V Knorr	WOCE	145/10	United States	D.B.Olson	WOCE line I7N (Arabian Sea Sector)	22.04.1999
17/07/1995 to 15/08/1995	R/V Thomas Thompson	JGOFS	TTN-049	United States	R. Barber	Arabian Sea	15.08.1994
19/07/1995 to 12/08/1995	ORV Sagar Kanya	JGOFS-INDIA	SK104	India	M. Madhupratap	Arabian Sea 5N-23N, 65-75E	29.05.1996
31/07/1995 to 27/08/1995	R/V Malcolm Balbridge	GLOBEC		United States	P. Ortner	Arabian Sea (Muscat to Diego Garcia)	13.01.1997
17/08/1995 to 17/09/1995	R/V Meteor	WOCE	M32/6	Germany	F. Schott	Arabian Sea 17N 58E to 3S 50E; 3S 57E to 17N 58E	29.03.1996
18/08/1995 to 15/09/1995	R/V Thomas Thompson	JGOFS	TTN-050	United States	S. Smith	Arabian Sea	15.08.1994
29/08/1995 to 16/10/1995	R/V Knorr	WOCE		United States	J.M. Morrison	WOCE line I01W (Arabian Sea)	21.04.1999
13/09/1995 to 14/10/1995	R/V Franklin	WOCE	09FA95/8	Australia	Wijffels	WOCE line IR6 (Java to Australia)	22.04.1999
19/09/1995 to 11/10/1995	R/V Thomas Thompson	JGOFS	TTN-051	United States	R. Arnone	Arabian Sea	15.08.1994
22/09/1995 to 31/10/1995	R/V Meteor	GJGOFS	Met33/1	Germany	K. Lochte	Arabian Sea	29.03.1996
14/10/1995 to 25/10/1995	R/V Thomas Thompson	JGOFS	TTN-052	United States	D. Rudnick	Arabian Sea	15.08.1994
29/10/1995 to 26/11/1995	R/V Thomas Thompson	JGOFS	TTN-053	United States	W. Balch	Arabian Sea	15.08.1994
11/11/1995 to 28/11/1995	R/V Knorr	WOCE		United States	N. Bray	WOCE Section I10	21.07.1999
30/11/1995 to 28/12/1995	R/V Thomas Thompson	JGOFS	TTN-054	United States	W. Gardner	Arabian Sea	15.08.1994
02/11/1995 to 22/01/1996	R/V Knorr	WOCE		United States	G. Johnson	WOCE Section I2	21.07.1999
01/01/1996 to 12/01/1996	R/V Thomas Thompson	JGOFS	TTN-055	United States	W. Prell	Arabian Sea	15.08.1994
02/08/1996 to 22/08/1996	ORV Sagar Kanya	JGOFS-India	SK 115	India	M. Dileep Kumar	Arabian Sea 13-21N, 64-75E	08.07.1999
19/12/1996 to 18/02/1997	Hakuho Maru	Ocean flux study	KH96-5	Japan	T.Gamo	Indian Ocean, S. Ocean	16.04.1998
26/12/1996 to 13/03/1997	Shoyo Maru			Japan	K.Mizuno	Indian Ocean, N. Pacific Ocean, East and South. China Sea	16.04.1998
06/02/1997 to 25/02/1997	ORV Sagar Kanya	JGOFS-India	SK 121	India	S. Raghu Kumar	Arabian Sea 16-22N, 63-72E	08.07.1999
26/02/1997 to 30/03/1997	R/V Sonne	GJGOFS	SO-117	Germany	W. Balzer	Arabian Sea	26.11.1997
31/03/1997 to 11/05/1997	R/V Sonne	BIGSET	SO-118	Germany	V. Ittekot	Arabian Sea	26.11.1997
12/05/1997 to 09/06/1997	R/V Sonne	GJGOFS	SO-119	Germany	O. Pfannkuche	Arabian Sea	26.11.1997
11/06/1997 to 11/07/1997	R/V Sonne	GJGOFS	SO-120	Germany	B.Zeitzschel	Arabian Sea	08.08.1997