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Table 1: Indian Cruise Summary

WOCE Leg	No	EXPOCODE	Ship	Date	Sta	DIC	TA	CFC	¹⁴ C
WOCE									
I6S_b	1	35MF103_1	Dufresne	2/20 - 3/22/96	55	55	55	54	0
IR04(I8r)	2	3175MB95_07	Baldrige	9/22 - 10/25/95	100 ^a	98	98	95	0
SR3S4 ^b	3	AR9404_1	Australis	12/20/94 - 2/1/95	106	58	58	79	0
S04a ^c	4	06AQANTXIII_4	Polarstern	3/17 - 5/20/96	99	90	0	98	0
S05	5	09FA1094	Franklin	11/12 - 12/5/94	68 ^d	0	0	0	0
I8A(S04)	6	74DI200_1	Discovery	2/6 - 3/18/93	25 ^d	0	0	25	0
ISS01_i	7	74DI213_1	Discovery	1/6 - 2/21/95	103 ^a	0	0	83	0
ISS01_h	8	74DI207	Discovery	2/14 - 3/27/94	32 ^a	0	0	32	0
ISS03_b	9	09FA9605	Franklin	5/7 - 5/31/96	90 ^a	0	0	0	0
IR06_b	10	09FA9508_1	Franklin	9/13 - 10/14/95	104 ^a	0	0	0	0
S4I	11	320696_3	Palmer	5/3 - 7/4/96	108 ^d	108	98	90	31 ^e
I6S	12	35MFCIVA_1	Dufresne	1/23 - 3/9/93	52 ^f	52	52	52	8 ^g
I8S19S	13	316N145_5	Knorr	12/1/94 - 1/19/95	142 ^f	76 ^h	72 ^h	97	26 ⁱ
I9N	14	316N145_6	Knorr	1/24 - 3/5/95	130 ^f	130 ^h	129 ^h	123	22 ⁱ
I8N15E	15	316N145_7	Knorr	3/10 - 4/15/95	147 ^f	126 ^h	124 ^h	99	20 ⁱ
I03	16	316N145_8	Knorr	4/23 - 6/5/95	130 ^f	105 ^h	108	102	20 ⁱ
I5WI4	17	316N145_9	Knorr	6/11 - 7/11/95	134 ^f	129	134 ^h	104	15 ⁱ
I7N	18	316N145_10	Knorr	7/15 - 8/24/95	149 ^f	125 ^h	141 ^h	146	22 ⁱ
I01	19	316N145_11,12	Knorr	8/29 - 10/16/95	153 ^f	149 ^h	149 ^h	149	24 ⁱ
I10	20	316N145_13	Knorr	11/11 - 11/28/95	61 ^f	52 ^h	48 ^h	51	6 ⁱ
I02	21	316N145_14	Knorr	12/2/95 - 1/22/96	168 ^f	161 ^h	166 ^h	153	28 ⁱ
HISTORICAL									
I5	22	74AB29	Darwin	11/12 - 12/17/87	108 ^j	0	0	69	0
INDIGO-1 INDIGO-2 INDIGO-3	23	Stn 1-25 Stn 27-69 Stn 75-117		2/24 - 3/85 4/ - 4/30/85 1/14 - 2/20/87	101	101	101	48	33 ^k
GEOSECS	24	GEOSECS Indian 3-7	Melville	12/4/77 - 4/24/78	51 ^l	42	43	0	40 ^m

a. Final data report (Peltola *et al.* 1998) available via: <http://whpo.ucsd.edu/repeat.htm>

b. See listing with Pacific Ocean cruises

c. See listing with Atlantic Ocean cruises

- d. Final data report available *via*: http://whpo.ucsd.edu/data/tables/onetime/1tim_sou.htm
- e. See Key, 1999.
- f. Final data report available *via*: http://whpo.ucsd.edu/data/tables/onetime/1tim_ind.htm
- g. See Leboucher, *et al.*, 1999.
- h. See Johnson *et al.*, 2002b.
- i. See Key and Quay, 2002.
- j. See Toole and Warren, 1993.
- k. See Östlund and Grall, 1991.
- l. See Östlund *et al.*, 1987.
- m. See Stuiver and Östlund, 1983.

Table 2: Indian Cruise Personnel Summary

WOCE Leg	No	EXPOCODE	Chief Scientist	P.I. Carbon	P.I. CFC	P.I. ¹⁴ C
WOCE						
I6S_b	1	35MF103_1	A. Poisson	A. Poisson	A. Poisson	NA
IR04	2	3175MB95_07	R. Molinari	F. Millero R. Wanninkhof	J. Bullister	NA
SR3S4 ^a	3	AR9404_1	S. Rintoul	B. Tilbrook	J. Bullister	B. Tilbrook
S04a ^b	4	06AQANTXIII_4	E. Fahrbach	M. Hoppema	A. Watson	NA
S05	5	09FA1094	M. Tomczak	NA	NA	NA
I8A(S04)	6	74DI200_1	R. Dickson	J. Robertson	T. Haine M. Krysell M. Liddicoat A. Watson	
ISS01_i	7	74DI213_1	R. Pollard	NA	BODC ^c	NA
ISS01_h	8	74DI207	R. Dickson	NA	R. Dickson	NA
ISS03_b	9	09FA9605	P. McIntosh	NA	NA	NA
IR06_b	10	09FA9508_1	S. Wijffels	NA	NA	NA
S4I	11	320696_3	J. Swift	F. Millero T. Takahashi	W. Smethie M. Warner	R. Key
I6S	12	35MFCIVA_1	A. Poisson	A. Poisson	A. Poisson	M. Arnold
I8SI9S	13	316N145_5	M. McCartney T. Whitworth	D. Wallace	J. Bullister W. Smethie	R. Key P. Quay
I9N	14	316N145_6	A. Gordon D. Olson	C. Sabine	R. Fine	R. Key
I8NI5E	15	316N145_7	L. Talley	C. Winn	W. Smethie	R. Key
I03	16	316N145_8	W. Nowlin	F. Millero	R. Weiss	R. Key
I5WI4	17	316N145_9	J. Toole	D. Wallace	W. Smethie	R. Key
I7N	18	316N145_10	D. Olson S. Doney D. Musgrave	C. Winn	R. Fine	R. Key
I01	19	316N145_11,12	J. Morrison H. Bryden	C. Goyet	M. Warner	R. Key

Table 2: Indian Cruise Personnel Summary

WOCE Leg	No	EXPOCODE	Chief Scientist	P.I. Carbon	P.I. CFC	P.I. ¹⁴ C
I10	20	316N145_13	N. Bray	C. Sabine	R. Fine	R. Key
I02	21	316N145_14	G. Johnson B. Warren	C. Winn	J. Bullister	R. Key
HISTORICAL						
I5	22	74AB29	J. Toole B. Warren	NA	R. Fine	NA
INDIGO-1 INDIGO-2 INDIGO-3	23	Stn 1-25 Stn 27-69 Stn 75-117	A. Poisson	A. Poisson	A. Poisson	G. Östlund
GEOSECS	24	GEOSECS Indian 3-7	R. Williams H. Craig R. Weiss W. Broecker D. Spencer	PACODF	NA	G. Östlund M. Stuiver

- a. See listing with Pacific Ocean cruises
- b. See listing with Atlantic Ocean cruises
- c. Unnamed personnel from British Ocean Data Center

Table 3. Indian Ocean correction factors

Cruise	EXPOCODE	Station Range	Salt ^a	O ₂	NO ₃	PO ₄	SiO ₂	DIC	TA
WOCE ^b									
I6S_b	35MF103_1	all	-0.5	-0.025	0	0	0	0	0
IR04	3175MB95_07								
SR3S4 ^c	AR9404_1								
S04a ^d	06AQANTXIII_4								
S05	09FA1094								
I8A(S04)	74DI200_1	all	-1.0	0.206	0.36	0.032	3.8		
ISS01_i	74DI213_1	all	0.5 ^e	-0.003	-0.96	0	-8.2		
ISS01_h	74DI207	all	0	0	0	0	0		
ISS03_b	09FA9605	all	0	0	0	0	0		
IR06_b	09FA9508_1	all	0	0	0	0	0		
WOCE ^f									
S4I	320696_3	all	0	0.001	1.000	1.000	1.000	0	0
I6S	35MFCIVA_1	all	0	-0.021	1.000	1.000	1.000	0	0
I8SI9S	316N145_5	all	1.4	-0.013	.9923	.9904	.9948	0	0
I9N	316N145_6	all	0.4	0.024	.9961	.9901	.9874	0	0
I8NI5E	316N145_7	all	1.4	0.016	.9961	.9892	.9981	0	0
I03	316N145_8	all	1.3	0.027	1.0048	.9978	.9889	0	0
I5WI4	316N145_9	all	0.5	-0.002	1.0042	.9951	.9933	0	0
I7N	316N145_10	all	-0.5	0	.9827	1.0144	1.0020	0	0

Table 3. Indian Ocean correction factors

Cruise	EXPOCODE	Station Range		Salt ^a	O ₂	NO ₃	PO ₄	SiO ₂	DIC	TA
I01	316N145_11,12	857	961	-0.3	0.024	.9712	1.0374	.9934	0	0
		962	1014	-0.2	0.014	.9969	.9912	.9913	0	0
I10	316N145_13	all		1.3	0.065	1.0007	.9963	.9819	0	0
I02	316N145_14	1077	1156	0.7	0.027	1.0038	1.0058	.9945	0	0
		1157	1244	1.6	0.027	1.0053	1.0102	1.0015	0	0
Historical ^g										
I5	74AB29	all		.2	0.056	-0.08	0.010	-2.7	0	0
INDIGO-1	INDIGO-1	1	25	-.07	0	0	0	0	-10.7	-6.5
INDIGO-2	INDIGO-2	26	74	-1.0	0.018	0	0	0	-9.4	6.8
INDIGO-3	INDIGO-3	75	117	-.04	0	0	0	0	-6.4	0
GEOSECS	GEOSECS	402	404	0	0	0	0	0	-22.5	0
		405	426	1.4	0.030	0	0	0	-22.5	0
		427	435	0	0	0	0	0	-22.5	0
		436	446	0	0	0	0	0	-22.5	0
		447	454	0	0	0	0	0	-22.5	0

- a. Salinity corrections are in parts per million, *i.e.* divide factor by 1000 prior to addition
- b. All factors are additive. Taken from Gouretski and Jancke, 2001
- c. See listing with Pacific Ocean cruises
- d. See listing with Atlantic Ocean cruises
- e. L. Gordon and C. Mordy (personal communication, 2003) derived a salt correction of -5.5 for this cruise.
- f. Salinity factors are from Johnson *et al.* (2001b) and are additive. Oxygen factors are from Gouretski and Jancke (2001) and are additive. Their oxygen factors were/are listed in ml/l and were multiplied by 43.55 to convert to umol/kg prior to application. Nitrate, phosphate and silicate factors are from L. Gordon and C. Mordy (2003, personal communication) and are multiplicative. DIC and TA corrections are from Sabine *et al.* (1999) and are additive.
- g. Salinity, oxygen, nitrate, phosphate and silicate factors are from Gouretski and Jancke (2001) and are additive. Their oxygen factors were/are listed in ml/l and were multiplied by 43.55 to convert to umol/kg prior to application. Carbon factors are from Sabine *et al.* (1999) and are additive.