

Dates	Project	Cruise	Contact	Zone
26/03/89 - 08/04/89	NABE	deployment only 119 leg 2	S. Honjo	N. Atlantic 34 47 and 60 N along 20 W
19/04/89 - 10/05/89	NABE	119 leg 4	J. Marra	N. Atlantic 59-41 N along 20 W
20/04/89 - 20/04/89	NABE	flight M-113	F. Hoge	N. Atlantic 39-45 N along 61.5 W
21/04/89 - 21/04/89	NABE	flight M-114	F. Hoge	N. Atlantic 38 N 26 W to 48 N 54 W
26/04/89 - 26/04/89	NABE	flight M-116	F. Hoge	N. Atlantic 48 N 20 W to 52 N 10 W
02/05/89 - 02/05/89	NABE	flight M-117	F. Hoge	N. Atlantic 48 N 20 W to 52 N 11 W
10/05/89 - 10/05/89	NABE	flight M-118	F. Hoge	N. Atlantic 48 N 21 W to 53 N 9 W and N 19 W to 52 N 9W
13/05/89 - 13/05/89	NABE	flight M-119	F. Hoge	N. Atlantic 47 N 20 W to 50 N 17 W
15/05/89 - 08/06/89	NABE	119 Leg 5	H. Ducklow	N. Atlantic 60-46 N along 20 W
17/05/89 - 17/05/89	NABE	flight M-120	F. Hoge	N. Atlantic 53 N 12.5 W to 53 N 9 W and 51.5 N 13.5 W to 52.2 N to 9 W
18/05/89 - 18/05/89	NABE	flight M-121	F. Hoge	N. Atlantic 48 N 21 W to 53 N 9 W and 46 N 17 W to 50 N to 13 W
21/05/89 - 21/05/89	NABE	flight M-122	F. Hoge	N. Atlantic 52 N 20 W to 64 N 22 W
24/05/89 - 24/05/89	NABE	flight M-124	F. Hoge	N. Atlantic 57 N 21 W to 64 N 21 W
29/05/89 - 29/05/89	NABE	flight M-126	F. Hoge	N. Atlantic 56 N 22 W to 64 N 22 W
03/06/89 - 03/06/89	NABE	flight M-127	F. Hoge	N. Atlantic 56 N 20 W to 64 N 23 W
28/06/89 - 07/07/89	NABE	198	W. Broenkow	N. Atlantic 59-64 N along 20 W
06/07/93 - 17/07/93	OACES	MB-93-03 leg 1	R. Wanninkhof	Equatorial Atlantic 4S to 13N along 25W
02/08/93 - 16/08/93	OACES	MB-93-03 leg 2A	D. Atwood	Eastern North Atlantic 32N 18W to 15N 29W
17/08/93 - 30/08/93	OACES	MB-93-03 leg 2B	D. Frazel	Eastern North Atlantic 34N to 63N along 20W
23/01/89 - 08/03/89	WOCE	318;SAVE5	Smethie	WOCE line A16S
13/03/89 - 19/04/89	WOCE	318MHYDROS4	Talley	WOCE line A16C
15/08/97 - 03/09/97	WOCE	151 leg 4	T. M. Joyce	WOCE line A22 (10-45N along 66W)
08/01/98 - 24/02/98	WOCE	?	?	WOCE line AR1
18/09/94 - 07/10/94	JGOFS - Arabian Sea	TTN-039	S. Smith	Arabian Sea
11/10/94 - 24/10/94	JGOFS - Arabian Sea	mooring deployment TTN-040	C. Eriksen	Arabian Sea
28/10/94 - 21/11/94	JGOFS - Arabian Sea	setting traps TTN-041	S. Honjo	Arabian Sea
28/11/94 - 19/12/94	JGOFS - Arabian Sea	related TTN-042	D. Young	Arabian Sea
08/01/95 - 05/02/95	JGOFS - Arabian Sea	TTN-043	M. Roman	Arabian Sea
09/02/95 - 28/02/95	JGOFS - Arabian Sea	related TTN-044	K. Brink	Arabian Sea
14/03/95 - 10/04/95	JGOFS - Arabian Sea	TTN-045	J. Marra	Arabian Sea
14/04/95 - 29/04/95	JGOFS - Arabian Sea	mooring turnaround TTN-046	R. Weller	Arabian Sea
26/04/95 - 15/05/95	JGOFS - Arabian Sea	trap and coring TTN-047	J. Dymond	Arabian Sea
21/06/95 - 13/07/95	JGOFS - Arabian Sea	related TTN-048	K. Brink	Arabian Sea
17/07/95 - 15/08/95	JGOFS - Arabian Sea	TTN-049	R. Barber	Arabian Sea
18/08/95 - 15/09/95	JGOFS - Arabian Sea	TTN-050	S. Smith	Arabian Sea
19/09/95 - 11/10/95	JGOFS - Arabian Sea	related TTN-051	R. Arnone	Arabian Sea
14/10/95 - 25/10/95	JGOFS - Arabian Sea	mooring recovery TTN-052	D. Rudnick	Arabian Sea
29/10/95 - 26/11/95	JGOFS - Arabian Sea	TTN-053	W. Balch	Arabian Sea
30/11/95 - 28/12/95	JGOFS - Arabian Sea	TTN-054	W. Gardner	Arabian Sea
01/01/96 - 12/01/96	JGOFS - Arabian Sea	trap recovery TTN-055	W. Prell	Arabian Sea

Dates	Project	Cruise	Contact	Zone
01/12/94 - 19/01/95	WOCE	?	M. McCartney	Section I8S/I9S
24/01/95 - 06/03/95	WOCE	?	A. Gordon	Section I9N
10/03/95 - 06/04/95	WOCE	?	L. Talley	Section I8N/I5E
21/03/95 - 22/04/95	WOCE	3175MB95/2	F. Field	Section IR3/ISS2 (Arabian Sea sector)
23/04/95 - 05/06/95	WOCE	?	W. Nowling	Section I3
11/06/95 - 11/07/95	WOCE	?	J. Toole	Section I5W/I4
15/07/95 - 24/08/95	WOCE	145/10	D.B. Olson	Section I7N (Arabian Sea sector)
29/08/95 - 16/10/95	WOCE	?	J. M. Morrison	Section I01W (Arabian Sea)
11/11/95 - 28/11/95	WOCE	?	N. Bray	Sector I10
02/12/95 - 22/01/96	WOCE	?	G. Johnson	Sector I2
29/02/92 - 20/03/92	EPOCS	MB-92-02 leg 1	L. Mangum	Equatorial Pacific 10N to 10S along 110W and 5S to 10N along 125W
31/03/92 - 13/04/92	EPOCS	MB-92-02 leg 2	D. Atwood	Equatorial Pacific 10N to 10S along 170W
24/04/92 - 06/05/92	EPOCS	MB-92-02 leg 3	R. Feely	Equatorial Pacific 10S to 10N along 140W
06/09/92 - 10/10/92	EPOCS	DI-92-03 leg 3	R. Feely	Equatorial Pacific 1N to 10N along 140W and 16N to 10S along 125W
12/10/92 - 18/11/92	EPOCS	DI-92-03 leg 4	R. Wanninkhof	Equatorial Pacific 10S to 8N along 110W
19/11/92 - 08/12/92	EPOCS	DI-92-03 leg 5	P. Murphy	Equatorial Pacific
12/01/92 - 08/02/92	EqPac	W9201B	J. Dymond	Equatorial Pacific 9N 5N 2N 0N 2S 5S at 140W and 12S at 135W
03/02/92 - 09/03/92	EqPac	TT-007	J. Murray	Equatorial Pacific 12N to 12S along 140W
17/03/92 - 19/04/92	EqPac	TT-008	M. Roman	Equatorial Pacific 8N to 9S along 140W
05/08/92 - 18/09/92	EqPac	TT-011	R. Barber	Equatorial Pacific 12N to 12S along 140W
24/09/92 - 25/10/92	EqPac	TT-012	M. Bacon	Equatorial Pacific .1N to 12S along 140W
30/10/92 - 13/12/92	EqPac	benthic TT-013	M. Leinen	Equatorial Pacific 9N to 12S along 140W
27/01/93 - 14/02/93	EqPac	TT-015	R. Collier	Equ. Pacific 9N 5N 2N 0N 2S 5S at 140W and 12S at 135W
28/11/90 - 06/12/90	WOCE	31DSEP390/2	Moore	10S to 8N along 110W (WOCE line PR16)
31/05/91 - 11/07/91	WOCE	31WTTUNES-1	M. Tsuchiya	Central Pacific 35N to 6S along 135W (P17C)
16/07/91 - 25/08/91	WOCE	31WTTUNES-2	J. Swift	S. Central Pacific 37.5 - 18S along 152W and 6 - 35S along 135W (P16S)
31/08/91 - 01/10/91	WOCE	31WTTUNES_3	L. Talley	Central Pacific 18S to 20N along 150W (P16C)
02/05/92 - 26/05/92	WOCE	138 leg 3	H. Bryden	S.Pacific 72W to 102W along 32S (P06E)
30/05/92 - 07/07/92	WOCE	138 leg 4	M. McCartney	S.Pacific 110W to 180W along 32S (P06C)
13/07/92 - 30/07/92	WOCE	138 leg 5	J. Toole	S.Pacific 175E to 154E along 32S (P06W)
03/08/92 - 01/09/92	WOCE	?	J. Bullister	E. Pacific (P13)
01/09/92 - 15/09/92	WOCE	138 leg 7	D. Roemmich	S.Pacific 20S to 37S along 175W (P14C)
26/09/92 - 21/10/92	WOCE	3220CGC92-1/-2	B. Taft	E.Pacific 30N to 15S along 180
06/10/92 - 25/11/92	WOCE	138 leg 9	J. Reid	S.Pacific 35S to 65S along 150E and 53S to 33S along 135E
04/12/92 - 22/01/93	WOCE	138 leg 10	J. Swift	135 - 88W along 52S and 52 - 65S along 126W and 54 - 65S along 88W
21/02/93 - 18/03/93	WOCE	3175EP193/1	Neander	10S to 8N along 110W
22/02/93 - 13/04/93	WOCE	138 leg 12	L. Talley	S.Pacific 54S to 13N along 88W
15/05/93 - 26/06/93	WOCE	325021-1	D. Musgrave	N.Pacific 40N 130W to 50N 175W
05/07/93 - 11/08/93	WOCE	325023 (Leg1)	G. Roden	Central North Pacific 50N to 0N along 180
14/08/93 - 02/09/93	WOCE	325024 (Leg2)	G. Roden	Central South Pacific 0N to 15S along 180

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23/08/93 - 18/09/93	WOCE	3175EP393/1	Mangum	10S to 8N along 110W (WOCE line PR16)
18/09/93 - 01/10/93	WOCE	1DSTG493DI/4	Bullister	10S to 8N along 110W (WOCE line PR16)
05/10/93 - 10/11/93	WOCE	?	M. Hall	E.Pacific 30N to 0N along 145E
22/02/94 - 02/03/94	WOCE	31DSCGC94_2	G. Johnson	WOCE Line P18N (23N-0 along 110W)
27/03/94 - 27/04/94	WOCE	31DSCGC94_3	B. Taft	WOCE Line P18S (0-67S along 110W)
22/04/94 - 19/05/94	WOCE	3175EP194/1	Sheperd	10S to 8N along 110W (WOCE line PR16)
03/08/94 - 29/08/94	WOCE	3175EP394/1	?	10S to 8N along 110W (WOCE line PR16) -
05/01/96 - 10/03/96	WOCE	31DSCG96_1	Bullister	WOCE line P14S/P15S
30/08/96 - 24/09/96	AESOPS	site survey NBP96-4	R. Anderson	Ross Sea
28/09/96 - 07/11/96	AESOPS	NBP96-4A	W. Smith	Ross Sea
14/11/96 - 01/12/96	AESOPS	mooring deployment NBP 96-5	J. Dymond	Ross Sea
11/01/97 - 11/02/97	AESOPS	NBP 97-1	J. Marra	Ross Sea
04/04/97 - 12/05/97	AESOPS	NBP 97-3	H. Ducklow	Ross Sea
20/10/97 - 24/11/97	AESOPS	rr-kiwi 6	T. Cowles	Ross Sea
05/11/97 - 16/12/97	AESOPS	NBP97-8	W. Smith	Ross Sea
02/12/97 - 03/01/98	AESOPS	rr-kiwi 7	R. Barber	Ross Sea
08/01/98 - 08/02/98	AESOPS	rr-kiwi 8	T. Coale	Ross Sea
13/02/98 - 19/03/98	AESOPS	rr-kiwi 9	W. Gardner	Ross Sea
25/02/98 - 08/04/98	AESOPS	mooring recovery NBP98-2	S. Honjo	Ross Sea
29 Oct - 03 Nov 88	HOTS	HOT1	Karl/Lukas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
30 Nov - 04 Dec 88	HOTS	HOT2	Firing	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
06 Jan - 10 Jan 89	HOTS	HOT3	Winn	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
24 Feb - 28 Feb 89	HOTS	HOT4	Chiswell	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
25 Mar - 29 Mar 89	HOTS	HOT5	Winn	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
16 May - 20 May 89	HOTS	HOT6	Chiswell	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
22 Jun - 26 Jun 89	HOTS	HOT7	Winn	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
27 Jul - 31 Jul 89	HOTS	HOT8	Winn	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
22 Aug - 26 Aug 89	HOTS	HOT9	Lukas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
21 Sep - 24 Sep 89	HOTS	HOT10	Chiswell	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
16 Oct - 20 Oct 89	HOTS	HOT11	Chiswell	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
26 Nov - 29 Nov 89	HOTS	HOT12	Winn	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
03 Jan - 07 Jan 90	HOTS	HOT13	Winn	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
13 Feb - 17 Feb 90	HOTS	HOT14	Chiswell	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
17 Mar - 21 Mar 90	HOTS	HOT15	Winn	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
11 Apr - 15 Apr 90	HOTS	HOT16	Karl	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
07 May - 11 May 90	HOTS	HOT17	Winn	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
11 Jun - 15 Jun 90	HOTS	HOT18	Karl	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
23 Jul - 27 Jul 90	HOTS	HOT19	Winn	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
13 Sep - 17 Sep 90	HOTS	HOT20	Karl	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
17 Nov - 20 Nov 90	HOTS	HOT21	Winn	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W

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16 Dec - 20 Dec 90	HOTS	HOT22	Chiswell	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
01 Feb - 06 Feb 91	HOTS	HOT23	Chiswell	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
05 Mar - 09 Mar 91	HOTS	HOT24	Karl	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
08 Apr - 12 Apr 91	HOTS	HOT25	Lukas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
06 May - 10 May 91	HOTS	HOT26	Winn	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
03 Jun - 06 Jun 91	HOTS	HOT27	Lukas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
08 Jul - 12 Jul 91	HOTS	HOT28	Winn	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
08 Aug - 12 Aug 91	HOTS	HOT29	Hebel	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
16 Sep - 20 Sep 91	HOTS	HOT30	Winn	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
19 Oct - 24 Oct 91	HOTS	HOT31	Firing	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
04 Dec - 09 Dec 91	HOTS	HOT32	Winn	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
03 Jan - 08 Jan 92	HOTS	HOT33	Winn	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
12 Feb - 17 Feb 92	HOTS	HOT34	Bingham	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
03 Mar - 08 Mar 92	HOTS	HOT35	Chiswell	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
15 Apr - 20 Apr 92	HOTS	HOT36	Winn	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
05 Jun - 07 Jun 92	HOTS	ST-1	Karl	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
07 Jun - 11 Jun 92	HOTS	HOT37	Hebel	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
03 Jul - 07 Jul 92	HOTS	HOT38	Firing	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
03 Aug - 08 Aug 92	HOTS	HOT39	Winn	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
20 Sep - 25 Sep 92	HOTS	HOT40	Hebel	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
17 Oct - 22 Oct 92	HOTS	HOT41	Winn	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
23 Nov - 25 Nov 92	HOTS	HOT42	Hebel	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
15 Dec - 17 Dec 92	HOTS	HOT43	Hebel	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
18 Jan - 22 Jan 93	HOTS	HOT44	Winn	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
15 Feb - 20 Feb 93	HOTS	HOT45	Tupas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
12 Apr - 17 Apr 93	HOTS	HOT46	Hebel	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
18 May - 23 May 93	HOTS	HOT47	Tupas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
24 Jul - 30 Jul 93	HOTS	HOT48	Tupas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
09 Sep - 12 Sep 93	HOTS	ST-2	Karl	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
13 Sep - 17 Sep 93	HOTS	HOT49	Hebel	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
27 Oct - 01 Nov 93	HOTS	HOT50	Tupas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
18 Jan - 23 Jan 94	HOTS	HOT51	Hebel	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
15 Feb - 20 Feb 94	HOTS	HOT52	Hebel	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
07 Mar - 12 Mar 94	HOTS	HOT53	Lukas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
17 Jun - 22 Jun 94	HOTS	HOT54	Tupas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
23 Jul - 28 Jul 94	HOTS	HOT55	Hebel	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
28 Aug - 02 Sep 94	HOTS	HOT56	Tupas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
21 Sep - 26 Sep 94	HOTS	HOT57	Tupas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
13 Oct - 18 Oct 94	HOTS	HOT58	Hebel	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
19 Oct - 23 Oct 94	HOTS	ST-3	Karl	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W

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17 Nov - 21 Nov 94	HOTS	HOT59	Tupas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
04 Feb - 09 Feb 95	HOTS	HOT60	Tupas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
02 Mar - 07 Mar 95	HOTS	HOT61	Tupas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
04 Apr - 09 Apr 95	HOTS	HOT62	Hebel	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
05 May - 10 May 95	HOTS	HOT63	Hebel	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
28 Jul - 02 Aug 95	HOTS	HOT64	Tupas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
27 Aug - 01 Sep 95	HOTS	HOT65	Tupas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
24 Sep - 29 Sep 95	HOTS	HOT66	Hebel	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
25 Oct - 30 Oct 95	HOTS	HOT67	Mandujano	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
12 Nov - 14 Nov 95	HOTS	ST-4	Karl	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
15 Nov - 19 Nov 95	HOTS	HOT68	Tupas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
15 Jan - 19 Jan 96	HOTS	HOT69	Tupas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
25 Mar - 29 Mar 96	HOTS	HOT70	Tupas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
22 Apr - 26 Apr 96	HOTS	HOT71	Hebel	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
20 May - 24 May 96	HOTS	HOT72	Mandujano	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
03 Jun - 05 Jun 96	HOTS	Trawl	Houlihan	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
24 Jun - 28 Jun 96	HOTS	HOT73	Tupas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
08 Jul - 16 Jul 96	HOTS	AC-1	Hebel	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
25 Jul - 29 Jul 96	HOTS	HOT74	Mandujano	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
19 Aug - 23 Aug 96	HOTS	HOT75	Hebel	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
30 Sep - 04 Oct 96	HOTS	HOT76	Tupas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
07 Oct - 10 Oct 96	HOTS	ST-5	Karl	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
28 Oct - 01 Nov 96	HOTS	HOT77	Tupas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
09 Dec - 13 Dec 96	HOTS	HOT78	Hebel	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
06 Jan - 10 Jan 97	HOTS	HOT79	Hebel	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
11 Jan - 14 Jan 97	HOTS	HA-1A	Karl	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
16 Feb - 20 Feb 97	HOTS	HOT80	Mandujano	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
10 Mar - 14 Mar 97	HOTS	HOT81	Hebel	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
07 Apr - 11 Apr 97	HOTS	HOT82	Tupas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
05 May - 09 May 97	HOTS	HOT83	Tupas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
12 May - 14 May 97	HOTS	HA-1B	Karl	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
19 May - 21 May 97	HOTS	HA-2A	Karl	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
02 Jun - 06 Jun 97	HOTS	HOT84	Tupas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
26 Jun - 02 Jul 97	HOTS	AC-2	Houlihan	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
07 Jul - 11 Jul 97	HOTS	HOT85	Mandujano	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
31 Jul - 04 Aug 97	HOTS	HOT86	Hebel	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
24 Sep - 26 Sep 97	HOTS	HOT87	Tupas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
1 Dec - 2 Dec 97	HOTS	HA-2B	Houlihan	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
3 Dec - 7 Dec 97	HOTS	HOT88	Hebel	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
19 Dec - 22 Dec 97	HOTS	HA-3A/ST-6	Houlihan	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W

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9 Jan - 13 Jan 98	HOTS	HOT89	Tupas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
17 Feb - 21 Feb 98	HOTS	HOT90	Hebel	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
16 Mar - 20 Mar 98	HOTS	HOT91	Hebel	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
13 Apr - 17 Apr 98	HOTS	HOT92	Tupas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
18 Apr - 20 Apr 98	HOTS	HA-3B	Houlihan	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
27 Apr - 30 Apr 98	HOTS	HA-4A	Houlihan	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
11 May - 15 May 98	HOTS	HOT93	Hebel	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
15 Jun - 19 Jun 98	HOTS	HOT94	Tupas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
13 Jul - 17 Jul 98	HOTS	HOT95	Nosse	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
8 Aug - 12 Aug 98	HOTS	HOT96	Tupas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
26 Sep - 30 Sep 98	HOTS	HOT97	Tupas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
17 Oct - 21 Oct 98	HOTS	HOT98	Mandujano	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
5 Nov - 7 Nov 98	HOTS	HA-4B	Houlihan	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
9 Nov - 12 Nov 98	HOTS	HOT99	Tupas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
16 Nov - 19 Nov 98	HOTS	HA-5A/ST-7	Houlihan	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
7 Dec - 11 Dec 98	HOTS	HOT100	Hebel	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
11 Jan - 15 Jan 99	HOTS	HOT101	Hebel	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
16 Feb - 20 Feb 99	HOTS	HOT102	Hebel	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
15 Mar - 19 Mar 99	HOTS	HOT103	Tupas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
12 Apr - 16 Apr 99	HOTS	HOT104	Mandujano	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
8 May - 13 May 99	HOTS	105/HA-5B	Tupas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
28 May - 30 May 99	HOTS	HA-6A	Houlihan	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
12 Jul - 16 Jul 99	HOTS	HOT106	Tupas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
11 Aug - 16 Aug 99	HOTS	HOT107	Tupas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
13 Oct - 17 Oct 99	HOTS	108/HA-6B	Houlihan	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
7 Nov - 10 Nov 99	HOTS	HOT109	Nosse	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
11 Nov - 13 Nov 99	HOTS	HA-7A/ST-8	Houlihan	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
21 Nov - 22 Nov 99	HOTS	IES	Mandujano	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
27 Nov - 4 Dec 99	HOTS	P-1	Tupas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
13 Dec - 17 Dec 99	HOTS	HOT110	Tupas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
26 Jan - 27 Jan 00	HOTS	HA-7B	Houlihan	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
1 Feb - 4 Feb 00	HOTS	HOT111	Hebel	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
28 Feb - 2 Mar 00	HOTS	HOT112	Hebel	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
27 Mar - 30 Mar 00	HOTS	HOT113	Tupas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
24 Apr - 27 Apr 00	HOTS	HOT114	Mandujano	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
22 May - 26 May 00	HOTS	HOT115	Tupas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
19 Jun - 22 Jun 00	HOTS	HOT116	Hebel	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
23 Jun - 24 Jun 00	HOTS	HA-8A	Houlihan	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
24 Jul - 28 Jul 00	HOTS	HOT117	Tupas	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
21 Aug - 25 Aug 00	HOTS	HOT118	Hebel	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W

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16 Oct - 20 Oct 00	HOTS	HOT119	Hebel	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
28 Nov - 2 Dec 00	HOTS	HOT120	Mandujano	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
12 Dec - 15 Dec 00	HOTS	ST-9	Hebel	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
18 Dec - 22 Dec 00	HOTS	HOT121	Mandujano	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
15 Jan - 19 Jan 01	HOTS	HOT122	Hebel	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
12 Feb - 15 Feb 01	HOTS	HOT123	Hebel	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
19 Mar - 23 Mar 01	HOTS	HOT124	Johnson	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
16 Apr - 20 Apr 01	HOTS	HOT125	Mandujano	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
14 May - 18 May 01	HOTS	HOT126	Erickson	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
12 Jun- 16 Jun 2001	HOTS	HOT127	Dore	N. Pacific 22.8 N 158 W & 21.3 N 158.3 W
20/10/88 - 21/10/88	BATS	BATS 1	A. Knap	N. Atlantic at 31.8 N 64.2 W
23/11/88 - 23/11/88	BATS	BATS 2	A. Knap	N. Atlantic at 31.8 N 64.2 W
16/12/88 - 20/12/88	BATS	BATS 3	A. Knap	N. Atlantic at 31.8 N 64.2 W
25/01/89 - 29/01/89	BATS	BATS 4	R. Sherriff-Dow	N. Atlantic at 31.8 N 64.2 W
17/02/89 - 21/02/89	BATS	BATS 5	R. Sherriff-Dow	N. Atlantic at 31.8 N 64.2 W
24/03/89 - 28/03/89	BATS	BATS 6	R. Sherriff-Dow	N. Atlantic at 31.8 N 64.2 W
15/04/89 - 18/04/89	BATS	BATS 7	R. Sherriff-Dow	N. Atlantic at 31.8 N 64.2 W
15/05/89 - 18/05/89	BATS	BATS 8	R. Sherriff-Dow	N. Atlantic at 31.8 N 64.2 W
20/06/89 - 23/06/89	BATS	BATS 9	R. Sherriff-Dow	N. Atlantic at 31.8 N 64.2 W
18/07/89 - 21/07/89	BATS	BATS 10	R. Sherriff-Dow	N. Atlantic at 31.8 N 64.2 W
14/08/89 - 18/08/89	BATS	BATS 11	R. Sherriff-Dow	N. Atlantic at 31.8 N 64.2 W
18/09/89 - 19/09/89	BATS	BATS 12	R. Sherriff-Dow	N. Atlantic at 31.8 N 64.2 W
19/10/89 - 28/10/89	BATS	BATS 13	R. Sherriff-Dow	N. Atlantic at 31.8 N 64.2 W
19/11/89 - 28/11/89	BATS	BATS 14	R. Sherriff-Dow	N. Atlantic at 31.8 N 64.2 W
18/12/89 - 20/12/89	BATS	BATS 15	R. Sherriff-Dow	N. Atlantic at 31.8 N 64.2 W
15/01/90 - 18/01/90	BATS	BATS 16	R. Sherriff-Dow	N. Atlantic at 31.8 N 64.2 W
30/01/90 - 01/02/90	BATS	BATS 16a	A. Michaels	N. Atlantic at 31.8 N 64.2 W
14/02/90 - 17/02/90	BATS	BATS 17	R. Johnson	N. Atlantic at 31.8 N 64.2 W
21/02/90 - 23/02/90	BATS	BATS 17a	K. Gundersen	N. Atlantic at 31.8 N 64.2 W
27/02/90 - 02/03/90	BATS	BATS 17b	K. Gundersen	N. Atlantic at 31.8 N 64.2 W
12/03/90 - 16/03/90	BATS	BATS 18	R. Sherriff-Dow	N. Atlantic at 31.8 N 64.2 W
02/04/90 - 03/04/90	BATS	BATS 18a	K. Gundersen	N. Atlantic at 31.8 N 64.2 W
16/04/90 - 19/04/90	BATS	BATS 19	R. Sherriff-Dow	N. Atlantic at 31.8 N 64.2 W
08/05/90 - 11/05/90	BATS	BATS 20	R. Johnson	N. Atlantic at 31.8 N 64.2 W
21/06/90 - 24/06/90	BATS	BATS 21	R. Johnson	N. Atlantic at 31.8 N 64.2 W
16/07/90 - 19/07/90	BATS	BATS 22	R. Johnson	N. Atlantic at 31.8 N 64.2 W
13/08/90 - 16/08/90	BATS	BATS 23	R. Sherriff-Dow	N. Atlantic at 31.8 N 64.2 W
10/09/90 - 13/09/90	BATS	BATS 24	R. Sherriff-Dow	N. Atlantic at 31.8 N 64.2 W
14/10/90 - 18/10/90	BATS	BATS 25	R. Sherriff-Dow	N. Atlantic at 31.8 N 64.2 W
05/11/90 - 08/11/90	BATS	BATS 26	R. Johnson	N. Atlantic at 31.8 N 64.2 W

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03/12/90 - 06/12/90	BATS	BATS 27	K. Gundersen	N. Atlantic at 31.8 N 64.2 W
14/01/91 - 17/01/91	BATS	BATS 28	R. Sherriff-Dow	N. Atlantic at 31.8 N 64.2 W
29/01/91 - 31/01/91	BATS	BATS 28a	K. Gundersen	N. Atlantic at 31.8 N 64.2 W
11/02/91 - 14/02/91	BATS	BATS 29	R. Sherriff-Dow	N. Atlantic at 31.8 N 64.2 W
19/02/91 - 21/02/91	BATS	BATS 29a	K. Gundersen	N. Atlantic at 31.8 N 64.2 W
13/03/91 - 17/03/91	BATS	BATS 30	R. Johnson	N. Atlantic at 31.8 N 64.2 W
20/03/91 - 22/03/91	BATS	BATS 30a	K. Gundersen	N. Atlantic at 31.8 N 64.2 W
04/04/91 - 06/04/91	BATS	BATS 30b	A. Michaels	N. Atlantic at 31.8 N 64.2 W
15/04/91 - 19/04/91	BATS	BATS 31	R. Sherriff-Dow	N. Atlantic at 31.8 N 64.2 W
29/04/91 - 03/05/91	BATS	BATS VAL1	?	N. Atlantic at 31.8 N 64.2 W
13/05/91 - 17/05/91	BATS	BATS 32	R. Sherriff-Dow	N. Atlantic at 31.8 N 64.2 W
18/06/91 - 21/06/91	BATS	BATS 33	R. Sherriff-Dow	N. Atlantic at 31.8 N 64.2 W
15/07/91 - 19/07/91	BATS	BATS 34	R. Sherriff-Dow	N. Atlantic at 31.8 N 64.2 W
12/08/91 - 16/08/91	BATS	BATS 35	R. Sherriff-Dow	N. Atlantic at 31.8 N 64.2 W
10/09/91 - 14/09/91	BATS	BATS 36	R. Johnson	N. Atlantic at 31.8 N 64.2 W
07/10/91 - 10/10/91	BATS	BATS 37	?	N. Atlantic at 31.8 N 64.2 W
11/11/91 - 17/11/91	BATS	BATS 38	?	N. Atlantic at 31.8 N 64.2 W
19/11/91 - 22/11/91	BATS	BATS VAL2	?	N. Atlantic at 31.8 N 64.2 W
09/12/91 - 12/12/91	BATS	BATS 39	?	N. Atlantic at 31.8 N 64.2 W
06/01/92 - 10/01/92	BATS	BATS 40	R. Sherriff-Dow	N. Atlantic at 31.8 N 64.2 W
13/01/92 - 16/01/92	BATS	BATS VAL3	J. Sorensen	N. Atlantic at 31.8 N 64.2 W
27/01/92 - 29/01/92	BATS	BATS 40a	R. Sherriff-Dow	N. Atlantic at 31.8 N 64.2 W
10/02/92 - 14/02/92	BATS	BATS 41	J. Sorensen	N. Atlantic at 31.8 N 64.2 W
24/02/92 - 26/02/92	BATS	BATS 41a	K.Gundersen	N. Atlantic at 31.8 N 64.2 W
09/03/92 - 13/03/92	BATS	BATS 42	J. Sorensen	N. Atlantic at 31.8 N 64.2 W
18/03/92 - 20/03/92	BATS	BATS 42a	R. Johnson	N. Atlantic at 31.8 N 64.2 W
24/03/92 - 24/03/92	BATS	BATS VAL4	R. Johnson	N. Atlantic at 31.8 N 64.2 W
11/04/92 - 13/04/92	BATS	BATS 42b	J. Sorensen	N. Atlantic at 31.8 N 64.2 W
20/04/92 - 25/04/92	BATS	BATS 43	A. Close	N. Atlantic at 31.8 N 64.2 W
04/05/92 - 08/05/92	BATS	BATS 43a	A. Michaels	N. Atlantic at 31.8 N 64.2 W
18/05/92 - 23/05/92	BATS	BATS 44	R. Sherriff-Dow	N. Atlantic at 31.8 N 64.2 W
16/06/92 - 20/06/92	BATS	BATS 45	R. Johnson	N. Atlantic at 31.8 N 64.2 W
29/06/92 - 03/07/92	BATS	BATS VAL5	J. Sorensen	N. Atlantic at 31.8 N 64.2 W
13/07/92 - 17/07/92	BATS	BATS 46	K. Gundersen	N. Atlantic at 31.8 N 64.2 W
17/08/92 - 21/08/92	BATS	BATS 47	R. Sherriff-Dow	N. Atlantic at 31.8 N 64.2 W
14/09/92 - 18/09/92	BATS	BATS 48	J. Sorensen	N. Atlantic at 31.8 N 64.2 W
28/09/92 - 01/10/92	BATS	BATS VAL6	R. Johnson	N. Atlantic at 31.8 N 64.2 W
13/10/92 - 17/10/92	BATS	BATS 49	A. Close	N. Atlantic at 31.8 N 64.2 W
09/11/92 - 13/11/92	BATS	BATS 50	F. Howse	N. Atlantic at 31.8 N 64.2 W
07/12/92 - 10/12/92	BATS	BATS 51	R. Johnson	N. Atlantic at 31.8 N 64.2 W

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11/01/93 - 15/01/93	BATS	BATS 52	R. Sherriff-Dow	N. Atlantic at 31.8 N 64.2 W
25/01/93 - 29/01/93	BATS	BATS 52a	R. Johnson	N. Atlantic at 31.8 N 64.2 W
26/01/93 - 29/01/93	BATS	BATS VAL7	R. Johnson	N. Atlantic at 31.8 N 64.2 W
08/02/93 - 11/02/93	BATS	BATS 53	R. Sherriff-Dow	N. Atlantic at 31.8 N 64.2 W
24/02/93 - 26/02/93	BATS	BATS 53a	A. Close	N. Atlantic at 31.8 N 64.2 W
09/03/93 - 13/03/93	BATS	BATS 54	K. Gundersen	N. Atlantic at 31.8 N 64.2 W
29/03/93 - 31/03/93	BATS	BATS 54a	A. Doyle	N. Atlantic at 31.8 N 64.2 W
12/04/93 - 17/04/93	BATS	BATS 55	R. Sherriff-Dow	N. Atlantic at 31.8 N 64.2 W
26/04/93 - 28/04/93	BATS	BATS 55a	R. Johnson	N. Atlantic at 31.8 N 64.2 W
08/05/93 - 11/05/93	BATS	BATS 56	A. Close	N. Atlantic at 31.8 N 64.2 W
13/06/93 - 16/06/93	BATS	BATS 57	R. Johnson	N. Atlantic at 31.8 N 64.2 W
12/07/93 - 17/07/93	BATS	BATS 58	R. Johnson	N. Atlantic at 31.8 N 64.2 W
16/08/93 - 20/08/93	BATS	BATS 59	F. Howse	N. Atlantic at 31.8 N 64.2 W
13/09/93 - 17/09/93	BATS	BATS 60	K. Gundersen	N. Atlantic at 31.8 N 64.2 W
29/09/93 - 01/10/93	BATS	BATS VAL 8	?	N. Atlantic at 31.8 N 64.2 W
11/10/93 - 14/10/93	BATS	BATS 61	?	N. Atlantic at 31.8 N 64.2 W
08/11/93 - 12/11/93	BATS	BATS 62	?	N. Atlantic at 31.8 N 64.2 W
23/11/93 - 25/11/93	BATS	BATS VAL9	?	N. Atlantic at 31.8 N 64.2 W
06/12/93 - 10/12/93	BATS	BATS 63	?	N. Atlantic at 31.8 N 64.2 W
11/01/94 - 17/11/94	BATS	BATS 64	?	N. Atlantic at 31.8 N 64.2 W
01/02/94 - 04/02/94	BATS	BATS VAL10	?	N. Atlantic at 31.8 N 64.2 W
15/02/94 - 19/02/94	BATS	BATS 65	?	N. Atlantic at 31.8 N 64.2 W
28/02/94 - 01/03/94	BATS	BATS 65a	?	N. Atlantic at 31.8 N 64.2 W
14/03/94 - 21/03/94	BATS	BATS 66	?	N. Atlantic at 31.8 N 64.2 W
05/04/94 - 07/04/94	BATS	BATS 66a	?	N. Atlantic at 31.8 N 64.2 W
18/04/94 - 21/04/94	BATS	BATS 67	?	N. Atlantic at 31.8 N 64.2 W
03/05/94 - 04/05/94	BATS	BATS 67a	?	N. Atlantic at 31.8 N 64.2 W
16/05/94 - 20/05/94	BATS	BATS 68	?	N. Atlantic at 31.8 N 64.2 W
03/06/94 - 03/06/94	BATS	BATS 68a	?	N. Atlantic at 31.8 N 64.2 W
13/06/94 - 16/06/94	BATS	BATS 69	?	N. Atlantic at 31.8 N 64.2 W
29/06/94 - 01/07/94	BATS	BATS VAL11	?	N. Atlantic at 31.8 N 64.2 W
18/07/94 - 21/07/94	BATS	BATS 70	?	N. Atlantic at 31.8 N 64.2 W
15/08/94 - 19/08/94	BATS	BATS 71	?	N. Atlantic at 31.8 N 64.2 W
19/09/94 - 22/09/94	BATS	BATS 72	?	N. Atlantic at 31.8 N 64.2 W
29/09/94 - 02/10/94	BATS	BATS VAL12	?	N. Atlantic at 31.8 N 64.2 W
18/10/94 - 22/10/94	BATS	BATS 73	?	N. Atlantic at 31.8 N 64.2 W
14/11/94 - 17/11/94	BATS	BATS 74	?	N. Atlantic at 31.8 N 64.2 W
08/12/94 - 12/12/94	BATS	BATS 75	?	N. Atlantic at 31.8 N 64.2 W
10/01/95 - 13/01/95	BATS	BATS 76	?	N. Atlantic at 31.8 N 64.2 W
01/02/95 - 01/02/95	BATS	BATS 76a	?	N. Atlantic at 31.8 N 64.2 W

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13/02/95 - 16/02/95	BATS	BATS 77	?	N. Atlantic at 31.8 N 64.2 W
01.03.1995	BATS	BATS 77a	?	N. Atlantic at 31.8 N 64.2 W
15/03/95 - 17/03/95	BATS	BATS 78	?	N. Atlantic at 31.8 N 64.2 W
27/03/95 - 31/03/95	BATS	BATS VAL13	?	N. Atlantic at 31.8 N 64.2 W
29.03.1995	BATS	BATS 78a	?	N. Atlantic at 31.8 N 64.2 W
10/04/95 - 13/04/95	BATS	BATS 79	?	N. Atlantic at 31.8 N 64.2 W
27.04.1995	BATS	BATS 79a	?	N. Atlantic at 31.8 N 64.2 W
10/05/95 - 13/05/95	BATS	BATS 80	?	N. Atlantic at 31.8 N 64.2 W
12/06/95 - 15/06/95	BATS	BATS 81	?	N. Atlantic at 31.8 N 64.2 W
10/07/95 - 13/07/95	BATS	BATS 82	?	N. Atlantic at 31.8 N 64.2 W
25/07/95 - 28/07/95	BATS	BATS VAL14	?	N. Atlantic at 31.8 N 64.2 W
18/08/95 - 22/08/95	BATS	BATS 83	?	N. Atlantic at 31.8 N 64.2 W
12/09/95 - 15/09/95	BATS	BATS 84	?	N. Atlantic at 31.8 N 64.2 W
14/10/95 - 14/10/95	BATS	BATS 85	?	N. Atlantic at 31.8 N 64.2 W
24/10/95 - 27/10/95	BATS	BATS VAL15	?	N. Atlantic at 31.8 N 64.2 W
11/11/95 - 11/11/95	BATS	BATS 86	?	N. Atlantic at 31.8 N 64.2 W
14/12/95 - 16/12/95	BATS	BATS 87	?	N. Atlantic at 31.8 N 64.2 W
30/01/96 - 31/01/96	BATS	BATS 88	?	N. Atlantic at 31.8 N 64.2 W
12/02/96 - 15/02/96	BATS	BATS 89	?	N. Atlantic at 31.8 N 64.2 W
28/02/96 - 28/02/96	BATS	BATS 89a	?	N. Atlantic at 31.8 N 64.2 W
15/03/96 - 16/03/96	BATS	BATS 90	?	N. Atlantic at 31.8 N 64.2 W
28/03/96 - 28/03/96	BATS	BATS 90a	?	N. Atlantic at 31.8 N 64.2 W
08/04/96 - 14/04/96	BATS	BATS 91	?	N. Atlantic at 31.8 N 64.2 W
23/04/96 - 23/04/96	BATS	BATS 91a	?	N. Atlantic at 31.8 N 64.2 W
06/05/96 - 10/05/96	BATS	BATS 92	?	N. Atlantic at 31.8 N 64.2 W
10/06/96 - 14/06/96	BATS	BATS 93	?	N. Atlantic at 31.8 N 64.2 W
24/06/1996 - 27/06/1996	BATS	BATS VAL 16	R. Johnson	N. Atlantic at 31.8 N 64.2 W
09/07/96 - 12/07/96	BATS	BATS 94	?	N. Atlantic at 31.8 N 64.2 W
05/08/96 - 08/08/96	BATS	BATS 95	?	N. Atlantic at 31.8 N 64.2 W
03/09/96 - 09/09/96	BATS	BATS 96	?	N. Atlantic at 31.8 N 64.2 W
08/10/96 - 12/10/96	BATS	BATS 97	?	N. Atlantic at 31.8 N 64.2 W
28/10/1996 - 01/11/1996	BATS	BATS VAL 17	R. Johnson	N. Atlantic at 31.8 N 64.2 W
05/11/96 - 13/11/96	BATS	BATS 98	?	N. Atlantic at 31.8 N 64.2 W
12/12/96 - 14/12/96	BATS	BATS 99	?	N. Atlantic at 31.8 N 64.2 W
13/01/97 - 18/01/97	BATS	BATS 100	?	N. Atlantic at 31.8 N 64.2 W
27/01/1997 - 28/01/1997	BATS	BATS 100a	R. Johnson	N. Atlantic at 31.8 N 64.2 W
06/02/1997 - 11/02/1997	BATS	BATS 101	S. Stone	N. Atlantic at 31.8 N 64.2 W
20/02/1997 - 22/02/1997	BATS	BATS 101a	F. Bahr	N. Atlantic at 31.8 N 64.2 W
04/03/1997 - 07/03/1997	BATS	BATS 102	K. Gundersen	N. Atlantic at 31.8 N 64.2 W
18/03/1997 - 20/03/1997	BATS	BATS 102a	S. Bell	N. Atlantic at 31.8 N 64.2 W

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08/04/1997 - 11/04/1997	BATS	BATS 103	S. Stone	N. Atlantic at 31.8 N 64.2 W
05/05/1997 - 08/05/1997	BATS	BATS 104	K. Gundersen	N. Atlantic at 31.8 N 64.2 W
10/06/1997 - 14/06/1997	BATS	BATS 105	S. Bell	N. Atlantic at 31.8 N 64.2 W
07/07/1997 - 13/07/1997	BATS	BATS VAL 18	R. Johnson	N. Atlantic at 31.8 N 64.2 W
15/07/1997 - 18/07/1997	BATS	BATS 106	S. Stone	N. Atlantic at 31.8 N 64.2 W
21/07/1997 - 28/07/1997	BATS	BATS VAL 19	R. Johnson	N. Atlantic at 31.8 N 64.2 W
11/08/1997 - 15/07/1997	BATS	BATS 107	K. Gundersen	N. Atlantic at 31.8 N 64.2 W
08/09/1997 to 10/09/1997	BATS	BATS 108	S. Stone	N. Atlantic at 31.8 N 64.2 W
06/10/1997 - 09/10/1997	BATS	BATS 109	K. Gundersen	N. Atlantic at 31.8 N 64.2 W
11/11/1997 - 14/11/1997	BATS	BATS 110	S. Bell	N. Atlantic at 31.8 N 64.2 W
08/12/1997 - 12/12/1997	BATS	BATS 111	S. Stone	N. Atlantic at 31.8 N 64.2 W
12/01/98 - 16/01/98	BATS	BATS 112	?	N. Atlantic at 31.8 N 64.2 W
27/01/98 - 30/01/98	BATS	BATS 112a	?	N. Atlantic at 31.8 N 64.2 W
09/02/98 - 13/02/98	BATS	BATS 113	?	N. Atlantic at 31.8 N 64.2 W
24/02/98 - 26/02/98	BATS	BATS 113a	?	N. Atlantic at 31.8 N 64.2 W
03/02/1998 - 06/02/1998	BATS	BATS VAL 20	R. Johnson	N. Atlantic at 31.8 N 64.2 W
09/03/98 - 14/03/98	BATS	BATS 114	?	N. Atlantic at 31.8 N 64.2 W
25/03/98 - 27/03/98	BATS	BATS 114a	?	N. Atlantic at 31.8 N 64.2 W
06/04/98 - 10/04/98	BATS	BATS 115	?	N. Atlantic at 31.8 N 64.2 W
14/04/98 - 17/04/98	BATS	BATS 115a	?	N. Atlantic at 31.8 N 64.2 W
14/04/1998 - 18/04/1998	BATS	BATS VAL 21	R. Johnson	N. Atlantic at 31.8 N 64.2 W
04/05/98 - 08/05/98	BATS	BATS 116	?	N. Atlantic at 31.8 N 64.2 W
01/06/98 - 05/06/98	BATS	BATS 117	?	N. Atlantic at 31.8 N 64.2 W
30/06/1998 - 03/07/1998	BATS	BATS VAL 22	R. Johnson	N. Atlantic at 31.8 N 64.2 W
07/07/98 - 10/07/98	BATS	BATS 118	?	N. Atlantic at 31.8 N 64.2 W
09/08/98 - 14/08/98	BATS	BATS 119	?	N. Atlantic at 31.8 N 64.2 W
04/09/1998 - 06/09/1998	BATS	BATS VAL 23	F. Bahr	N. Atlantic at 31.8 N 64.2 W
08/09/1998 - 11/09/1998	BATS	BATS 120	S. Bell	N. Atlantic at 31.8 N 64.2 W
14/09/1998 - 18/09/1998	BATS	Bda-USA transect 1	S. Bell	N. Atlantic at 31.8 N 64.2 W
21/10/1998 - 25/10/1998	BATS	BATS 121	R. Johnson	N. Atlantic at 31.8 N 64.2 W
16/11/1998 - 20/11/1998	BATS	BATS 122	S. Bell	N. Atlantic at 31.8 N 64.2 W
07/12/1998 - 11/12/1998	BATS	BATS 123	S. Bell	N. Atlantic at 31.8 N 64.2 W
11/01/1999 - 15/01/1999	BATS	BATS 124	R. Johnson	N. Atlantic at 31.8 N 64.2 W
27/01/1999 - 29/01/1999	BATS	BATS 124a	R. Owen	N. Atlantic at 31.8 N 64.2 W
09/02/1999 - 13/02/1999	BATS	BATS 125	S. Bell	N. Atlantic at 31.8 N 64.2 W
23/02/1999 - 25/02/1999	BATS	BATS 125a	R. Owen	N. Atlantic at 31.8 N 64.2 W
02/03/1999 - 04/03/1999	BATS	BATS VAL 25	R. Johnson	N. Atlantic at 31.8 N 64.2 W
10/03/1999 - 13/03/1999	BATS	BATS 126	S. Bell	N. Atlantic at 31.8 N 64.2 W

Dates	Project	Cruise	Contact	Zone
22/03/1999 - 25/03/1999	BATS	BATS 125b	S. Bell	N. Atlantic at 31.8 N 64.2 W
06/04/1999 - 09/04/1999	BATS	BATS 127	R. Owen	N. Atlantic at 31.8 N 64.2 W
17/05/1999 - 21/05/1999	BATS	BATS VAL 26	S. Bell	N. Atlantic at 31.8 N 64.2 W
04/05/1999 - 07/05/1999	BATS	BATS 128	R. Johnson	N. Atlantic at 31.8 N 64.2 W
31/05/1999 - 04/06/1999	BATS	BATS 129	S. Bell	N. Atlantic at 31.8 N 64.2 W
05/07/1999 - 09/07/1999	BATS	BATS 130	J. Mitchell	N. Atlantic at 31.8 N 64.2 W
02/08/1999 - 04/08/1999	BATS	BATS 131	S. Bell	N. Atlantic at 31.8 N 64.2 W
07/08/1999 - 11/08/1999	BATS	Bda-USA transect 2	S. Bell	N. Atlantic at 31.8 N 64.2 W
14/09/1999 - 17/09/1999	BATS	BATS 132	J. Mitchell	N. Atlantic at 31.8 N 64.2 W
11/10/1999 - 15/10/1999	BATS	BATS 133	S. Bell	N. Atlantic at 31.8 N 64.2 W
04/10/1999 - 08/10/1999	BATS	BATS VAL 27	R. Johnson	N. Atlantic at 31.8 N 64.2 W
18/10/1999 - 22/10/1999	BATS	BATS VAL 28	R. Johnson	N. Atlantic at 31.8 N 64.2 W
09/11/1999 - 12/11/1999	BATS	BATS 134	S. Bell	N. Atlantic at 31.8 N 64.2 W
08/12/1999 - 10/12/1999	BATS	BATS 135	J. Mitchell	N. Atlantic at 31.8 N 64.2 W
28/01/2000 - 02/02/2000	BATS	BATS 136	S. Bell	N. Atlantic at 31.8 N 64.2 W
14/02/2000 - 18/02/2000	BATS	BATS 137	R. Johnson	N. Atlantic at 31.8 N 64.2 W
28/02/2000 - 01/03/2000	BATS	BATS 137a	S. Bell	N. Atlantic at 31.8 N 64.2 W
13/03/2000 - 15/03/2000	BATS	BATS 138	S. Bell	N. Atlantic at 31.8 N 64.2 W
27/03/2000 - 29/03/2000	BATS	BATS 138a	J. Mitchell	N. Atlantic at 31.8 N 64.2 W
10/04/2000 - 13/04/2000	BATS	BATS 139	J. Mitchell	N. Atlantic at 31.8 N 64.2 W
09/05/2000 - 13/05/2000	BATS	BATS 140	J. Wheeler	N. Atlantic at 31.8 N 64.2 W
05/06/2000 - 09/06/2000	BATS	BATS 141	S. Bell	N. Atlantic at 31.8 N 64.2 W
10/07/2000 - 14/07/2000	BATS	BATS 142	S. Bell	N. Atlantic at 31.8 N 64.2 W
07/08/2000 - 11/08/2000	BATS	BATS 143	R. Johnson	N. Atlantic at 31.8 N 64.2 W
11/09/2000 - 15/09/2000	BATS	BATS 144	S. Bell	N. Atlantic at 31.8 N 64.2 W
29/09/2000 - 14/10/2000	BATS	BATS VAL 29	R. Johnson	N. Atlantic at 31.8 N 64.2 W
17/10/2000 - 21/10/2000	BATS	BATS 145	S. Bell	N. Atlantic at 31.8 N 64.2 W
13/11/2000 - 17/11/2000	BATS	BATS 146	S. Bell	N. Atlantic at 31.8 N 64.2 W
11/12/2000 - 15/12/2000	BATS	BATS 147	S. Bell	N. Atlantic at 31.8 N 64.2 W
29/01/2001 - 01/02/2001	BATS	BATS 148	S. Bell	N. Atlantic at 31.8 N 64.2 W
19/02/2001 - 24/02/2001	BATS	BATS 149	V. Lochhead/S. Bell	N. Atlantic at 31.8 N 64.2 W
08/03/2001 - 10/03/2001	BATS	BATS 149a	P. Lethaby	N. Atlantic at 31.8 N 64.2 W
19/03/2001 - 24/03/2001	BATS	BATS 150	V. Lochhead	N. Atlantic at 31.8 N 64.2 W
03/04/2001 - 05/04/2001	BATS	BATS 150a	K. Neely	N. Atlantic at 31.8 N 64.2 W
17/05/2001 - 20/05/2001	BATS	BATS 151	P. Lethaby	N. Atlantic at 31.8 N 64.2 W
14/05/2001 - 18/05/2001	BATS	BATS 152	V. Lochhead	N. Atlantic at 31.8 N 64.2 W
04/06/2001 - 08/06/2001	BATS	BATS 153	V. Lochhead	N. Atlantic at 31.8 N 64.2 W
09/12/1991 - 12/12/1991	BATS	BATS 39	K. Gundersen	N. Atlantic at 31.8 N 64.2 W

Dates	Project	Cruise	Contact	Zone
06/01/1992 - 10/01/1992	BATS	BATS 40	R. Sherriff-Dow	N. Atlantic at 31.8 N 64.2 W
13/01/1992 - 16/01/1992	BATS	BATS VAL3	J. Sorensen	N. Atlantic at 31.8 N 64.2 W
27/01/1992 - 29/01/1992	BATS	BATS 40a	R. Sherriff-Dow	N. Atlantic at 31.8 N 64.2 W
10/02/1992 - 14/02/1992	BATS	BATS 41	J. Sorensen	N. Atlantic at 31.8 N 64.2 W
24/02/1992 - 26/02/1992	BATS	BATS 41a	K.Gundersen	N. Atlantic at 31.8 N 64.2 W
09/03/1992 - 13/03/1992	BATS	BATS 42	J. Sorensen	N. Atlantic at 31.8 N 64.2 W
18/03/1992 - 20/03/1992	BATS	BATS 42a	R. Johnson	N. Atlantic at 31.8 N 64.2 W
24/03/1992 - 24/03/1992	BATS	BATS VAL4	R. Johnson	N. Atlantic at 31.8 N 64.2 W
11/04/1992 - 13/04/1992	BATS	BATS 42b	J. Sorensen	N. Atlantic at 31.8 N 64.2 W
20/04/1992 - 25/04/1992	BATS	BATS 43	A. Close	N. Atlantic at 31.8 N 64.2 W
04/05/1992 - 08/05/1992	BATS	BATS 43a	A. Michaels	N. Atlantic at 31.8 N 64.2 W
18/05/1992 - 23/05/1992	BATS	BATS 44	R. Sherriff-Dow	N. Atlantic at 31.8 N 64.2 W
16/06/1992 - 20/06/1992	BATS	BATS 45	R. Johnson	N. Atlantic at 31.8 N 64.2 W
29/06/1992 - 03/07/1992	BATS	BATS VAL5	J. Sorensen	N. Atlantic at 31.8 N 64.2 W
13/07/1992 - 17/07/1992	BATS	BATS 46	K. Gundersen	N. Atlantic at 31.8 N 64.2 W
17/08/1992 - 21/08/1992	BATS	BATS 47	R. Sherriff-Dow	N. Atlantic at 31.8 N 64.2 W
14/09/1992 - 18/09/1992	BATS	BATS 48	J. Sorensen	N. Atlantic at 31.8 N 64.2 W
28/09/1992 - 01/10/1992	BATS	BATS VAL6	R. Johnson	N. Atlantic at 31.8 N 64.2 W
13/10/1992 - 17/10/1992	BATS	BATS 49	A. Close	N. Atlantic at 31.8 N 64.2 W
09/11/1992 - 13/11/1992	BATS	BATS 50	F. Howse	N. Atlantic at 31.8 N 64.2 W
07/12/1992 - 10/12/1992	BATS	BATS 51	R. Johnson	N. Atlantic at 31.8 N 64.2 W
11/01/1993 - 15/01/1993	BATS	BATS 52	R. Sherriff-Dow	N. Atlantic at 31.8 N 64.2 W
25/01/1993 - 29/01/1993	BATS	BATS 52a	R. Johnson	N. Atlantic at 31.8 N 64.2 W
26/01/1993 - 29/01/1993	BATS	BATS VAL7	R. Johnson	N. Atlantic at 31.8 N 64.2 W
08/02/1993 - 11/02/1993	BATS	BATS 53	R. Sherriff-Dow	N. Atlantic at 31.8 N 64.2 W
24/02/1993 - 26/02/1993	BATS	BATS 53a	A. Close	N. Atlantic at 31.8 N 64.2 W
09/03/1993 - 13/03/1993	BATS	BATS 54	K. Gundersen	N. Atlantic at 31.8 N 64.2 W
29/03/1993 - 31/03/1993	BATS	BATS 54a	A. Doyle	N. Atlantic at 31.8 N 64.2 W
12/04/1993 - 17/04/1993	BATS	BATS 55	R. Sherriff-Dow	N. Atlantic at 31.8 N 64.2 W
26/04/1993 - 28/04/1993	BATS	BATS 55a	R. Johnson	N. Atlantic at 31.8 N 64.2 W
08/05/1993 - 11/05/1993	BATS	BATS 56	A. Close	N. Atlantic at 31.8 N 64.2 W
13/06/1993 - 16/06/1993	BATS	BATS 57	R. Johnson	N. Atlantic at 31.8 N 64.2 W
12/07/1993 - 17/07/1993	BATS	BATS 58	R. Johnson	N. Atlantic at 31.8 N 64.2 W
16/08/1993 - 20/08/1993	BATS	BATS 59	F. Howse	N. Atlantic at 31.8 N 64.2 W
13/09/1993 - 17/09/1993	BATS	BATS 60	K. Gundersen	N. Atlantic at 31.8 N 64.2 W
29/09/1993 - 01/10/1993	BATS	BATS VAL 8	R. Johnson	N. Atlantic at 31.8 N 64.2 W
11/10/1993 - 14/10/1993	BATS	BATS 61	R. Sheriff-Dow	N. Atlantic at 31.8 N 64.2 W
08/11/1993 - 12/11/1993	BATS	BATS 62	F. Howse	N. Atlantic at 31.8 N 64.2 W

Dates	Project	Cruise	Contact	Zone
23/11/1993 - 25/11/1993	BATS	BATS VAL9	R. Johnson	N. Atlantic at 31.8 N 64.2 W
06/12/1993 - 10/12/1993	BATS	BATS 63	T. Waterhouse	N. Atlantic at 31.8 N 64.2 W
11/01/1994 - 17/11/1994	BATS	BATS 64	F. Howse	N. Atlantic at 31.8 N 64.2 W
01/02/1994 - 04/02/1994	BATS	BATS VAL10	R. Johnson	N. Atlantic at 31.8 N 64.2 W
15/02/1994 - 19/02/1994	BATS	BATS 65	A. Doyle	N. Atlantic at 31.8 N 64.2 W
28/02/1994 - 01/03/1994	BATS	BATS 65a	R. Kelly	N. Atlantic at 31.8 N 64.2 W
14/03/1994 - 21/03/1994	BATS	BATS 66	A. Close	N. Atlantic at 31.8 N 64.2 W
05/04/1994 - 07/04/1994	BATS	BATS 66a	A. Close	N. Atlantic at 31.8 N 64.2 W
18/04/1994 - 21/04/1994	BATS	BATS 67	K. Gundersen	N. Atlantic at 31.8 N 64.2 W
03/05/1994 - 04/05/1994	BATS	BATS 67a	A. Doyle	N. Atlantic at 31.8 N 64.2 W
16/05/1994 - 20/05/1994	BATS	BATS 68	F. Howse	N. Atlantic at 31.8 N 64.2 W
03/06/1994 - 03/06/1994	BATS	BATS 68a	L. Caporelli	N. Atlantic at 31.8 N 64.2 W
13/06/1994 - 16/06/1994	BATS	BATS 69	K. Gundersen	N. Atlantic at 31.8 N 64.2 W
29/06/1994 - 01/07/1994	BATS	BATS VAL11	R. Johnson	N. Atlantic at 31.8 N 64.2 W
18/07/1994 - 21/07/1994	BATS	BATS 70	F. Howse	N. Atlantic at 31.8 N 64.2 W
15/08/1994 - 19/08/1994	BATS	BATS 71	R. Kelly	N. Atlantic at 31.8 N 64.2 W
19/09/1994 - 22/09/1994	BATS	BATS 72	F. Howse	N. Atlantic at 31.8 N 64.2 W
29/09/1994 - 02/10/1994	BATS	BATS VAL12	R. Johnson	N. Atlantic at 31.8 N 64.2 W
18/10/1994 - 22/10/1994	BATS	BATS 73	K. Gundersen	N. Atlantic at 31.8 N 64.2 W
14/11/1994 - 17/11/1994	BATS	BATS 74	R. Johnson	N. Atlantic at 31.8 N 64.2 W
08/12/1994 - 12/12/1994	BATS	BATS 75	L. Caporelli	N. Atlantic at 31.8 N 64.2 W
10/01/1995 - 13/01/1995	BATS	BATS 76	R. Johnson	N. Atlantic at 31.8 N 64.2 W
01/02/1995 - 01/02/1995	BATS	BATS 76a	B. Little	N. Atlantic at 31.8 N 64.2 W
13/02/1995 - 16/02/1995	BATS	BATS 77	A. Doyle	N. Atlantic at 31.8 N 64.2 W
01-mar-95	BATS	BATS 77a	F. Howse	N. Atlantic at 31.8 N 64.2 W
15/03/1995 - 17/03/1995	BATS	BATS 78	K. Gundersen	N. Atlantic at 31.8 N 64.2 W
27/03/1995 - 31/03/1995	BATS	BATS VAL13	R. Johnson	N. Atlantic at 31.8 N 64.2 W
29-mar-95	BATS	BATS 78a	R. Johnson	N. Atlantic at 31.8 N 64.2 W
10/04/1995 - 13/04/1995	BATS	BATS 79	K. Gundersen	N. Atlantic at 31.8 N 64.2 W
27-apr-95	BATS	BATS 79a	F. Howse	N. Atlantic at 31.8 N 64.2 W
10/05/1995 - 13/05/1995	BATS	BATS 80	K. Gundersen	N. Atlantic at 31.8 N 64.2 W
12/06/1995 - 15/06/1995	BATS	BATS 81	B. Little	N. Atlantic at 31.8 N 64.2 W
10/07/1995 - 13/07/1995	BATS	BATS 82	L. Caporelli	N. Atlantic at 31.8 N 64.2 W
25/07/1995 - 28/07/1995	BATS	BATS VAL14	R. Johnson	N. Atlantic at 31.8 N 64.2 W
18/08/1995 - 22/08/1995	BATS	BATS 83	K. Gundersen	N. Atlantic at 31.8 N 64.2 W
12/09/1995 - 15/09/1995	BATS	BATS 84	L. Caporelli	N. Atlantic at 31.8 N 64.2 W
14/10/1995 - 14/10/1995	BATS	BATS 85	B. Little	N. Atlantic at 31.8 N 64.2 W
24/10/1995 - 27/10/1995	BATS	BATS VAL15	R. Johnson	N. Atlantic at 31.8 N 64.2 W

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11/11/1995 - 11/11/1995	BATS	BATS 86	B. Little	N. Atlantic at 31.8 N 64.2 W
14/12/1995 - 16/12/1995	BATS	BATS 87	K. Gundersen	N. Atlantic at 31.8 N 64.2 W
30/01/1996 - 31/01/1996	BATS	BATS 88	B. Little	N. Atlantic at 31.8 N 64.2 W
12/02/1996 - 15/02/1996	BATS	BATS 89	B. Little	N. Atlantic at 31.8 N 64.2 W
28/02/1996 - 28/02/1996	BATS	BATS 89a	P. Countway	N. Atlantic at 31.8 N 64.2 W
15/03/1996 - 16/03/1996	BATS	BATS 90	L. Caporelli	N. Atlantic at 31.8 N 64.2 W
28/03/1996 - 28/03/1996	BATS	BATS 90a	S. Stone	N. Atlantic at 31.8 N 64.2 W
08/04/1996 - 14/04/1996	BATS	BATS 91	L. Caporelli	N. Atlantic at 31.8 N 64.2 W
23/04/1996 - 23/04/1996	BATS	BATS 91a	S. Stone	N. Atlantic at 31.8 N 64.2 W
06/05/1996 - 10/05/1996	BATS	BATS 92	K. Gundersen	N. Atlantic at 31.8 N 64.2 W
10/06/1996 - 14/06/1996	BATS	BATS 93	S. Stone	N. Atlantic at 31.8 N 64.2 W
24/06/1996 - 27/06/1996	BATS	BATS VAL 16	R. Johnson	N. Atlantic at 31.8 N 64.2 W
09/07/1996 - 12/07/1996	BATS	BATS 94	K. Gundersen	N. Atlantic at 31.8 N 64.2 W
05/08/1996 - 08/08/1996	BATS	BATS 95	S. Stone	N. Atlantic at 31.8 N 64.2 W
03/09/1996 - 09/09/1996	BATS	BATS 96	L. Caporelli	N. Atlantic at 31.8 N 64.2 W
08/10/1996 - 12/10/1996	BATS	BATS 97	K. Gundersen	N. Atlantic at 31.8 N 64.2 W
28/10/1996 - 01/11/1996	BATS	BATS VAL 17	R. Johnson	N. Atlantic at 31.8 N 64.2 W
05/11/1996 - 13/11/1996	BATS	BATS 98	S. Stone	N. Atlantic at 31.8 N 64.2 W
12/12/1996 - 14/12/1996	BATS	BATS 99	K. Gundersen	N. Atlantic at 31.8 N 64.2 W
13/01/1997 - 18/01/1997	BATS	BATS 100	K. Gundersen	N. Atlantic at 31.8 N 64.2 W
27/01/1997 - 28/01/1997	BATS	BATS 100a	R. Johnson	N. Atlantic at 31.8 N 64.2 W
06/02/1997 - 11/02/1997	BATS	BATS 101	S. Stone	N. Atlantic at 31.8 N 64.2 W
20/02/1997 - 22/02/1997	BATS	BATS 101a	F. Bahr	N. Atlantic at 31.8 N 64.2 W
04/03/1997 - 07/03/1997	BATS	BATS 102	K. Gundersen	N. Atlantic at 31.8 N 64.2 W
18/03/1997 - 20/03/1997	BATS	BATS 102a	S. Bell	N. Atlantic at 31.8 N 64.2 W
08/04/1997 - 11/04/1997	BATS	BATS 103	S. Stone	N. Atlantic at 31.8 N 64.2 W
05/05/1997 - 08/05/1997	BATS	BATS 104	K. Gundersen	N. Atlantic at 31.8 N 64.2 W
10/06/1997 - 14/06/1997	BATS	BATS 105	S. Bell	N. Atlantic at 31.8 N 64.2 W
07/07/1997 - 13/07/1997	BATS	BATS VAL 18	R. Johnson	N. Atlantic at 31.8 N 64.2 W
15/07/1997 - 18/07/1997	BATS	BATS 106	S. Stone	N. Atlantic at 31.8 N 64.2 W
21/07/1997 - 28/07/1997	BATS	BATS VAL 19	R. Johnson	N. Atlantic at 31.8 N 64.2 W
11/08/1997 - 15/07/1997	BATS	BATS 107	K. Gundersen	N. Atlantic at 31.8 N 64.2 W
08/09/1997 - 10/09/1997	BATS	BATS 108	S. Stone	N. Atlantic at 31.8 N 64.2 W
06/10/1997 - 09/10/1997	BATS	BATS 109	K. Gundersen	N. Atlantic at 31.8 N 64.2 W
11/11/1997 - 14/11/1997	BATS	BATS 110	S. Bell	N. Atlantic at 31.8 N 64.2 W
08/12/1997 - 12/12/1997	BATS	BATS 111	S. Stone	N. Atlantic at 31.8 N 64.2 W
12/01/1998 - 16/01/1998	BATS	BATS 112	R. Johnson	N. Atlantic at 31.8 N 64.2 W
27/01/1998 - 30/01/1998	BATS	BATS 112a	R. Johnson	N. Atlantic at 31.8 N 64.2 W

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09/02/1998 - 13/02/1998	BATS	BATS 113	S. Stone	N. Atlantic at 31.8 N 64.2 W
24/02/1998 - 26/02/1998	BATS	BATS 113a	F. Bahr	N. Atlantic at 31.8 N 64.2 W
03/02/1998 - 06/02/1998	BATS	BATS VAL 20	R. Johnson	N. Atlantic at 31.8 N 64.2 W
09/03/1998 - 14/03/1998	BATS	BATS 114	S. Stone	N. Atlantic at 31.8 N 64.2 W
25/03/1998 - 27/03/1998	BATS	BATS 114a	R. Johnson	N. Atlantic at 31.8 N 64.2 W
06/04/1998 - 10/04/1998	BATS	BATS 115	S. Bell	N. Atlantic at 31.8 N 64.2 W
14/04/1998 - 17/04/1998	BATS	BATS 115a	S. Goldthwait	N. Atlantic at 31.8 N 64.2 W
14/04/1998 - 18/04/1998	BATS	BATS VAL 21	R. Johnson	N. Atlantic at 31.8 N 64.2 W
04/05/1998 - 08/05/1998	BATS	BATS 116	S. Stone	N. Atlantic at 31.8 N 64.2 W
01/06/1998 - 05/06/1998	BATS	BATS 117	S. Stone	N. Atlantic at 31.8 N 64.2 W
30/06/1998 - 03/07/1998	BATS	BATS VAL 22	R. Johnson	N. Atlantic at 31.8 N 64.2 W
07/07/1998 - 10/07/1998	BATS	BATS 118	S. Bell	N. Atlantic at 31.8 N 64.2 W
10/08/1998 - 14/08/1998	BATS	BATS 119	F. Bahr	N. Atlantic at 31.8 N 64.2 W
04/09/1998 - 06/09/1998	BATS	BATS VAL 23	F. Bahr	N. Atlantic at 31.8 N 64.2 W
08/09/1998 - 11/09/1998	BATS	BATS 120	S. Bell	N. Atlantic at 31.8 N 64.2 W
14/09/1998 - 18/09/1998	BATS	Bda-USA transect 1	S. Bell	N. Atlantic at 31.8 N 64.2 W
21/10/1998 - 25/10/1998	BATS	BATS 121	R. Johnson	N. Atlantic at 31.8 N 64.2 W
16/11/1998 - 20/11/1998	BATS	BATS 122	S. Bell	N. Atlantic at 31.8 N 64.2 W
07/12/1998 - 11/12/1998	BATS	BATS 123	S. Bell	N. Atlantic at 31.8 N 64.2 W
11/01/1999 - 15/01/1999	BATS	BATS 124	R. Johnson	N. Atlantic at 31.8 N 64.2 W
27/01/1999 - 29/01/1999	BATS	BATS 124a	R. Owen	N. Atlantic at 31.8 N 64.2 W
09/02/1999 - 13/02/1999	BATS	BATS 125	S. Bell	N. Atlantic at 31.8 N 64.2 W
23/02/1999 - 25/02/1999	BATS	BATS 125a	R. Owen	N. Atlantic at 31.8 N 64.2 W
02/03/1999 - 04/03/1999	BATS	BATS VAL 25	R. Johnson	N. Atlantic at 31.8 N 64.2 W
10/03/1999 - 13/03/1999	BATS	BATS 126	S. Bell	N. Atlantic at 31.8 N 64.2 W
22/03/1999 - 25/03/1999	BATS	BATS 125b	S. Bell	N. Atlantic at 31.8 N 64.2 W
06/04/1999 - 09/04/1999	BATS	BATS 127	R. Owen	N. Atlantic at 31.8 N 64.2 W
17/05/1999 - 21/05/1999	BATS	BATS VAL 26	S. Bell	N. Atlantic at 31.8 N 64.2 W
04/05/1999 - 07/05/1999	BATS	BATS 128	R. Johnson	N. Atlantic at 31.8 N 64.2 W
31/05/1999 - 04/06/1999	BATS	BATS 129	S. Bell	N. Atlantic at 31.8 N 64.2 W
05/07/1999 - 09/07/1999	BATS	BATS 130	J. Mitchell	N. Atlantic at 31.8 N 64.2 W
02/08/1999 - 04/08/1999	BATS	BATS 131	S. Bell	N. Atlantic at 31.8 N 64.2 W
07/08/1999 - 11/08/1999	BATS	Bda-USA transect 2	S. Bell	N. Atlantic at 31.8 N 64.2 W
14/09/1999 - 17/09/1999	BATS	BATS 132	J. Mitchell	N. Atlantic at 31.8 N 64.2 W
11/10/1999 - 15/10/1999	BATS	BATS 133	S. Bell	N. Atlantic at 31.8 N 64.2 W
04/10/1999 - 08/10/1999	BATS	BATS VAL 27	R. Johnson	N. Atlantic at 31.8 N 64.2 W
18/10/1999 - 22/10/1999	BATS	BATS VAL 28	R. Johnson	N. Atlantic at 31.8 N 64.2 W
09/11/1999 - 12/11/1999	BATS	BATS 134	S. Bell	N. Atlantic at 31.8 N 64.2 W

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08/12/1999 - 10/12/1999	BATS	BATS 135	J. Mitchell	N. Atlantic at 31.8 N 64.2 W
28/01/2000 - 02/02/2000	BATS	BATS 136	S. Bell	N. Atlantic at 31.8 N 64.2 W
14/02/2000 - 18/02/2000	BATS	BATS 137	R. Johnson	N. Atlantic at 31.8 N 64.2 W
28/02/2000 - 01/03/2000	BATS	BATS 137a	S. Bell	N. Atlantic at 31.8 N 64.2 W
13/03/2000 - 15/03/2000	BATS	BATS 138	S. Bell	N. Atlantic at 31.8 N 64.2 W
27/03/2000 - 29/03/2000	BATS	BATS 138a	J. Mitchell	N. Atlantic at 31.8 N 64.2 W
10/04/2000 - 13/04/2000	BATS	BATS 139	J. Mitchell	N. Atlantic at 31.8 N 64.2 W
09/05/2000 - 13/05/2000	BATS	BATS 140	J. Wheeler	N. Atlantic at 31.8 N 64.2 W
05/06/2000 - 09/06/2000	BATS	BATS 141	S. Bell	N. Atlantic at 31.8 N 64.2 W
10/07/2000 - 14/07/2000	BATS	BATS 142	S. Bell	N. Atlantic at 31.8 N 64.2 W
07/08/2000 - 11/08/2000	BATS	BATS 143	R. Johnson	N. Atlantic at 31.8 N 64.2 W
11/09/2000 - 15/09/2000	BATS	BATS 144	S. Bell	N. Atlantic at 31.8 N 64.2 W
29/09/2000 - 14/10/2000	BATS	BATS VAL 29	R. Johnson	N. Atlantic at 31.8 N 64.2 W
17/10/2000 - 21/10/2000	BATS	BATS 145	S. Bell	N. Atlantic at 31.8 N 64.2 W
13/11/2000 - 17/11/2000	BATS	BATS 146	S. Bell	N. Atlantic at 31.8 N 64.2 W
11/12/2000 - 15/12/2000	BATS	BATS 147	S. Bell	N. Atlantic at 31.8 N 64.2 W
29/01/2001 - 01/02/2001	BATS	BATS 148	S. Bell	N. Atlantic at 31.8 N 64.2 W
19/02/2001 - 24/02/2001	BATS	BATS 149	V. Lochhead/S. Bell	N. Atlantic at 31.8 N 64.2 W
08/03/2001 - 10/03/2001	BATS	BATS 149a	P. Lethaby	N. Atlantic at 31.8 N 64.2 W
19/03/2001 - 24/03/2001	BATS	BATS 150	V. Lochhead	N. Atlantic at 31.8 N 64.2 W
03/04/2001 - 05/04/2001	BATS	BATS 150a	K. Neely	N. Atlantic at 31.8 N 64.2 W
17/05/2001 - 20/05/2001	BATS	BATS 151	P. Lethaby	N. Atlantic at 31.8 N 64.2 W
14/05/2001 - 18/05/2001	BATS	BATS 152	V. Lochhead	N. Atlantic at 31.8 N 64.2 W
04/06/2001 - 08/06/2001	BATS	BATS 153	V. Lochhead	N. Atlantic at 31.8 N 64.2 W