DATE/TIME	STATION NUMBER/ SCIENCE NO.	AMT9 ACTIVITIES
19/09/99		
11:00	1/1	Common reduction in speed
11:03		V/c stopped 48°30.7'N 11°28.5'W. WD 34.
11:07	/2	Deploy F net down to 200 meters
11:09		Deploy CDT stbd M/D to 250 meters
11:22		Holding CTD at 250 m
11:29		Comm recovery of CTD
11:32		F-net recovered
12:06		CTD clear of water
12:15		Resume on passage
12:24	/3	Deploy XBT 48°29.9'N 11°31.1'W
15:54	/4	Deploy XBT 48°18.3'N 12°25.2'W
20/09/99		
12:00	/5	Deploy XBT in 47°55.5'N 16°09.9 W
13:25	2/6	Comm reduction in speed for CTD (2)
13:31		V/c stopped in water at 47°45.5'N 16°27.3'W
13:37		V/c settled in water-swinging gantry out
13:41	/7	F-net in water
13:42		CTD deployed
13:43		F-nets out of water
13:45		Veering re-deployed to 200m
13:47		F-net re-deployed to 200m
13:52		CTD at 250m
13:54		Comm recovery of CTD
14:05		F-nets recovered
14:12		Complete OPS. FWD –All secure
14:36		CTD clear of water
14:40		CTD on Deck – Gantry secure
14:41		Station completed. Turning back on passage
14:44		All secure –Resume passage
16:05	/8	XBT deployed in position 47°33.4'N 16°41.4'W
20:00	/9	XBT deployed in 46°59.8'N 17°35'.5'W
23:58	/10	XBT deployed in 46°28.1'N 18°22.9'W
21/09/99		
04:50	/11	XBT Deployed in pos. 45°49.4'N 19°50.9'W
08:40	3/12	CTD Deployed in 45°34.2'N 19°59.9'W
08:59		CTD recovered
09:05		CTD in Gantry secure
09:09		Proceeding underway
11:55	13	XBT dep. in 45°02.2'N 20°00.0'W
13:25	4a/14	Comm reduction in speed for CTD (4a)
13:31		V/l Stopped in water in pos. 44°47.7N 20°00.7'W
13:35		Awaiting CTD
13:40		Station aborted due to adverse weather conditions
13:42		CTD and gantry secure
		Proceeding on passage
22/09/99		
12:00	/15	XBT deployed in 43°31.0'N 21°13.6'W
13:32	4/16	V/L stopped 43°14.9'N 20°59.1'W

13:38		CTD Surface
13:39		F net deployed
13:40		Comm veering CTD
13:50		CTD at 250m
13:52		Comm hauling CTD
14:05		F-net clear of water
14:35		CTD clear of water
14:38		CTD landed on deck
14:45		All secure, proceeding on course
16:05	/17	XBT deployed in 42°56.5'N 20° 52.9'W
19:38	/18	XBT deployed at 42°11.4N 26° 38.9'W
23/09/99		
00:25	/19	XBT deployed at 41°10.4'N 20° 17.9'W
08:05	/20	XBT deployed in 39° 17.9'N 20°00.3'W
10:31		Commence reduction and turn to port
10:45	5/22	CTD deployed in pos. 38°46.7'N 19° 59'4W
10:50	/23	Nets in water fwd 200m
11:07		F-nets clear of water
11:20		CTD clear of water
11:22		CTD removed
11:30		Recommence passage
12:00	/24	XBT in 38°39.7'N 19°59.1'W
16:00	/25	XBT deployed 37°45'N 19°55.4'W
20:20	/26	XBT deployed 36° 49.2'N 19°25.3'W
24/09/99		
00:05	/27	XBT deployed 36°00.3'N 18°58.1'W
06:09	/28	XBT deployed 35°06.4'N 18°31.5'W
08:52	/29	XBT deployed 34° 18.5'N 18° 05.4'W
11:26	6/	Commence reduction and turn
11:34	/30	F-nets in water to 20 m
11:36	/31	F-nets clear of water /CTD deployed 33°45.7'N 17°47.2'W
11:39	/32	F-nets in water to 200m
11:55		F nets clear of water
12:15		CTD recovered
12:18		Secured and commence underway
13:01	/33	XBT launched 32° 44.8'N 17° 16'.3W
17:07	/34	XBT launched in 32° 11.9N 17°24'31W
22:00	/35	XBT in 31° 45'N 17° 57.2'W
25/09/99		
00:50	/36	XBT launched in 31°42.7'N 18° 00.5'W
09:50	/37	XBT launched in 30°17.7'N 19° 40.5'W
11:20	7/37	Commence reduction
11:35	/38	F-nets in FWD to 20m
11:37		F-nets clear of water CTD deployed 30°01.4'N 19° 58'.4W
11:42		F-nets clear of water
11:55		CTD recovered
12:32	/39	CTD secured

12:55 20:55 00:47	/40 /41 /42	XBT deployed at 29°54.7'N 19° 59.9'W XBT deployed at 28°18.7'N 19° 59.9'W XBT deployed at 27°28.7'N 19° 59.9'W
26/09/99 05:07 09:43 11:32 11:40 12:00 12:10 12:30 12:35 13:03 17:22 20:40	 /43 /44 8/45 /46 /47 /48	 XBT deployed in 27°30.4'N 19°59.8'W XBT deployed in 25°38.8'N 20°00.3'W Stopped O/U in 25°19.6'N 20°00'W F-nets and CTD deployed F-net recovered Secured FO2 CTD clear All secure, resume passage XBT deployed in 25° 14.8'N 20° 00.6'W XBT deployed in 25° 20.4'N 20°00'W XBT deployed in 25°14'.8'N 20°00'W
27/09/99 01:18 05:00 07:57 09:25 09:33 09:54 09:56 13:03 14:00 14:06 14:10 14:19 14:35 15:02 15:05 16:55 21:50 00:59	 /49 /50 /51 9/52 /53 10/54 /55 /56 /57 /58	 XBT deployed in 22°38.4'N 19°59.6'W XBT deployed 21°52.00'N 20°00.0'W XBT deployed 21° 02.1'N 20° 00.1'W Commence reduction CTD deployed position 20° 59.9'N 20° 00.1' W at 250 meter CTD recovered All secured, resume passage XBT in 20° 19.5'N 20° 00.8'W V/C in position 20° 09.3'N 20° 00.1'W. Com CTD deploy F net deployed Comm veering CTD to 250m CTD at 250m , Comm hauling F-net stowed on deck CTD clear of water CTD on deck XBT deployed 19°47.4'N 19° 59.9'W XBT deployed 18° 58.9'N 20° 00.0'W XBT deployed 18° 08.1'N 19° 59.8'W
28/09/99 04:59 09:12 09:21 19:31 10:00 10:04 10:05 12:56 13:55 14:04 14:07 14:18 14:36 15:01	 /59 11/60 /61 12/62 /63	XBT deployed 17° 17.5'N 20° 00.6'W XBT deployed 16° 23.9'N 19° 59.9'W Commence reduction CTD deployed at 16° 21.4'N 20° 00.1'W to 250m CTD recd CTD secured Resume passage XBT in 15° 45.1N 19° 59.3' W Comm reducing speed In path 15° 32.8'N 19° 59.8'W . Comm deployment Deploy F-net CTD at 250m F-net recovered CTD clear of water

15:05		CTD on deck
		All secure. V/v resume passage
17:00	/64	XBT 15° 09.5'N 20° 00.5'W deployed
21:10	/65	XBT 14° 15.5'N 20° 00.1'W
29/09/99		
05:05	/66	XBT 12° 33.1'N 20° 12.8'W
08:41	/67	XBT 11° 51.7'N 20° 32.5'W
09:20		Commence reduction
09:35	13/68	CTD deployed to 250m 11° 43.6'N 20° 36.6'W
10:00		CTD recovered
10:03		All secure, resume passage
13:05	/69	XBT in 11° 07.9'N 20°53.0'W
14:02	14/70	Station 15 10° 58.2'N 20° 56.9'W
14:03		Comm deployment
14:06		CTD at surface
14:10	/71	Deploy F-net
14:21		CTD at 250m
14:30		F-net recovered
15:00		CTD clear of water
15:02		CTD on deck
15:04		V/L resumes course. All secure
17:01	/72	XBT 10° 36.0'N 21° 07.3'W
21:05	/73	XBT 9° 49.7'N 21° 29.3'W
30/09/99		
01:05	/74	XBT deployed 09° 00.3'N 21° 52.0'W
05:14	/75	XBT deployed 08° 18.1'N 22° 10.9'W
07:25	/76	XBT deployed 07° 42.6'N 22° 27.5'W
09:20		Commence reduction
09:35	15/77	CTD deployed 250m at 07° 31.4'N 22° 32.6'W
10:00		CTD recovered
10:03		All secured. Resume passage
14:27	16/78	Stopped at 6° 42.7'N 22° 54.7'W CTD
14:30	/79	Commence deployment of F-net
14:31		CTD at surface
14:33		Commence lowering CTD
14:40		CTD at 250m
14:43		Commence hauling CTD
14:50		F_net on board and recovered
15:20		CTD on surface
15:22		CTD landed on deck
15:25		All secure, V/C resumes course
17:05	/80	XBT 06° 25.3'N 23° 03.8'W
20:27	/81	XBT 05° 49.1'N 23' 22.1'W
01/10/99		
05:20	/82	XBT 04° 12.1'N 24° 06.3'W
07:50	/83	XBT 03° 36.5'N 24° 23.5'W
09:25		Commence reduction
09:40	17/84	CTD deployed to 250m at 03° 30.3N 24° 26.3'W
10:05		CTD recovered
10:08		All secure, resume passage
13:05	/85	XBT deployed 3° 00.0'N 24° 40.3'W

13:55 14:00 14:04 14:05 14:15 14:25 15:00 15:01 17:03 20:50	 18/86 /87 /88 /89	Commence reduction V/C in position 2° 51.4'N 24° 44.2'W . Commence deployment Deploy F-net Commence lowering CTD to 250m CTD at 250m. Commence hauling F-nets recovered CTD on deck XBT 02° 31.3'N 24° 53.7'W XBT 01° 51.1'N 25° 12.0'W
02/10/99 01:31 9:20 11:25 11:35 11:45 11:50 11:55 12:10 12:27 12:33 12:36 13:06 17:00 20:41 01:00	 /90 /91 19/92 /93 /94 /95 /96 /97 /98	 Deploy XBT 1° 00.2'N 25°35.96W XBT in 00° 27.6'S 26° 16.5'W Commence reduction CTD deployed at 00° 50'S 26° 26'W F-nets deployed 20m F-net recovered F-nets deployed 200m F-nets recovered CTD recovered All secure Resume on passage XBT deployed 00° 56.2' S 26° 28.7'W XBT deployed 1°39.0'S 26°19.9'W XBT deployed 2° 20.89'S 27° 08.8'W XBT in 3° 09.9' S 27° 31.1'W Clocks retarded to GMT-2
03/10/99 05:50 10:27 10:32 10:45 11:02 11:05 14:06 15:00 15:02 15:05 15:05 15:12 15:26 15:59 16:02 18:05	 /99 20/100 /101 21/102 /103 /104	 XBT 4° 13.5'S 28° 01.0'W V/C stopped V/S in 4° 55.0S 28° 20.5'W CTD deployed CTD at 250m CTD recovered Resume passage XBT in 5° 30.2'S 28° 36.4'W V/L stopped 5° 39.1'S 28° 40.6'W Comm deployment CTD at surface Commence veering CTD Deploy F-nets CTD at 250m. Com hauling F-nets recovered CTD recovered and on deck All secure V/L resume course XBT deployed 6° 14.0'S 28° 57.0'W
04/10/99 02:15 06:05 08:48 10:20	 /105	 Deploy XBT 7° 36.7'S 29° 36.2'W XBT 08° 19.7'S 29°55.6'W XBT 08° 50.4'S 30° 09.5'W Commence reduction

10:35	22/106	CTD deployed at 09° 07.7’S 30° 17.9’W
11:00		CTD secured. Resume passage
11:05	/107	XPT in 9° 40.3’S 30° 33.4’W
14:05	23/108	On station 09° 48.2’S 30° 37.0’W
15:00		Commence deployment
15:01	/109	Deploy F-net
15:03		CTD at 250m – Commence hauling
15:14		F-nets recovered
15:30		CTD clear of water
15:58		CTD on deck
16:00		All secure V/L resume course
16:01	/110	XBT 10° 11.7’S 30° 48.3’W
18:16	/111	XBT 10° 50.5’S 31° 06.1’W
21:55		XBT 11° 37.6’S 31° 26.6’W
05/10/99		
06:01	/113	XBT 12° 22.4’S 31° 49.5’W
09:55	/114	XBT 10° 50.5’S 32° 10.6’W
10:27		Stopped o/s in 13° 12.6’S 32 ° 13.4’S
10:33	25/115	CTD Deployed
10:59		CTD recovered
111:02		All secure
11:04		Resume on passage
14:06	/116	XBT in 13V 46.5’S 32° 28.7’W
14:55	26/117	Commence reduction
15:00	118	F-nets in water down to 20m. Vessel at station
15:05		CTD deployed. F-net in water to 200m
15:07		CTD 250m commence heaving
15:12		F-nets recovered
15:20		F-nets in water down to 200m
15:42	119	F-nets recovered
16:10		CTD clear of water
16:15		CTD secured v/l moved off station
16:25		UOR deployed in water for flight test
16:30		UOR deployed to 250m at 10knots
17:30		Comm UOR recovery
17:46		UOR clear of water 14° 06.7’ 32° 39.6’W
17:49	/120	All secure, /L resumes full speed
18:03	/121	XBT in 14° 09.1’S 32° 40.7’W
06/10/99		
00:27	/122	XBT in 14° 53.3’S 33° 01.1’W
02:00	/123	XBT deployed 15 XBT in 14° 53.3’S 33° 01.1’W 57.8’S
06:02	/124	XBT in 14° 53. 36.3’S 33 XBT in 14° 50.5’W
09:36		XTD deployed down to 250m
10:32	27/125	CTD deployed
10:36		All secure
11:01		Resume passage
11:05		XBT deployed 17° 10.8’S 34° 03.1’W
14:05		commence deployment of CTD
15:00	28/125	F-net deployed
15:04	/127	CTD at 250m commence hauling
15:14		F-nets recovered and on board

15:25 16:00 16:05 16:10 16:18 17:15 17:26 17:53 21:58	 /128 129	CTD clear of water All secure v/l liner up for UPR deployment On course at 4.0 knots. Deploy UOR UOR deployed at 250m , Increase to 9.0knots Commence slowing to recovery speed UOR slowing to recovery speed YOR recovered. Resume full sea speed Deploy XBT 17° 10.8'S 34° 06.7'w XBT 18° 05.4'S 34° 33.8'W
07/10/99]02:30 06:03 09:45 10:27 10:30 10:58 11:00 11:02 14:03 15:00 15:02 15:L06 15:15 15:25 16:00 16:04 22:00 22:27 22:41 23:00 23:05	 /130 /131 /132 29/133 /134 30/135 /136 /137 /138	 XBT 18° 51.1'S 34° 56'W XBT 19V 29.1'S 35° 14.6'W XBT 20° 08.4'S 35° 33.9'W Stopped in 20° 14.7'S 35° 37.0'W CTD deployed to 250m CTD rec All secure Resume on passage XBT in 20° 44.8'S 35° 51.4'W V/l on station 20° 53.4'S 35° 55.8'W Pause deployment, stern Resume deployment Deploy F-net CTD at 250meter, commence hauling F-nets recovered CTD clear of water All secure XBT 21° 57.7'S 36° 29.69'W F-net deployed F-net recovered All secured/resume on passage
08/10/99 02:02 10:28 10:30 10:55 10:58 14:00 15:02 15:04 15:15 15:25 16:00 16:03 21:36	 /139 31/140 /141 32/142 /143	 XBT deployed 22° 32.4'S 36° 45.8#'W V/l stopped on station in 24° 05.6'S 37° 32.1#'W CTD deployed to 250m CTD recovered All secure CTD deployed 24° 40.5'S 37° 49.6'W On station 24° 50.2'S 37° 55.1'W deploy CTD F-net deployed CTD at 250m com hauling F-net recovered CTD recovered
09/10/99 06:03 10:27 10:31 10:50 10:55	 /146 /148 /149	 XBT deployed 26° 53.4'S 40° 11.8'W Stopped on station in 27° 30.5'S 40° 54.3'W CTD deployed to 250m CTD recovered

10:59	34/150	All secure
14:00	/151	XBT 27° 56.1’S 40° 55’W
15:02		XBT 27° 56.1’S 41° 24.7’W
15:04		On station 28° 02.7’S 41° 33.’W. Deploy CTD
15:14		F-nets recovered
15:25		CTD on surface
15:55		CTD on deck
15:57		All secure, V/l resumes course
16:00		XBT 28° 19.1’S 41° 51.’W
18:05	/152	XBT 28° 44.9’S 42° 42.7’W
21:30	/155	
10/10/99	GNT-3	
06:00	/154	XBT deployed 29 ° 19.1’S 28.0’S 43° 11.0’W
11:05	/155	XBT 30° 0/10/99 04.0’S 43° 56.3’W
11:27		V/l stopped on station 30° 05.9’S 43° 58.1’W
11:31	35/156	CTd deployed to 250m
11:51		CTD recovered
11:55		All secure
11:57		Resume on passage
15:05	/157	XBT deployed 30° 30.4’S 44° 26.2’W
15:58	36/158	V/l in position 30° 36.4’S 44° 33.1’W deployed CTd
15:58	/159	Deploy F-nets
16:11		CTD at 250m. Commence hauling
16:24		F-net recovered
16:55		CTD clear of water
16:57		CTD on deck
17:00		All secure. V/l resumes course
18:58	/160	Deploy XBT 30° 51.3’S 44° 52.9#’W
22:33	/161	XBT deployed on position 31V 20.8’S 45° 28.4’W
11/10/99		
13:07	/162	XBT deployed 32° 00.6’S 46° 17.1’W
07:10	/163	XBT deployed 32° 36.4’S 47° 01.6’W
10:48	/164	XBT deployed 33° 09.7’S 47° 41.5’S
11:27		V/l stopped on station 33° 15.1’S 47° 48’W
11:31	37/165	CTD deployed to 250m
11:51		CTD recovered
11:57		All secure
11:59		Resume passage
15:11		XBT 33° 47.9’S 48° 14’W
16:01		On station 33° 47.9’S 18° 19.8’W
16:05		Nets down to 20m
15:05		F-nets recovered
16:07		CTD Deployed
16:12		F-nets deployed to 200m
16:16		CTD at 250m commence hauling
16:30		F-nets recovered
16:36		FWD crane stored
17:00		CTD recovered
17:07		All secure v/l resume passage
19:10	/170	XBT 34° 12.8’S 48° 44.7’W
20:03	/171	XBT 34° 22.8’S 48° 44.7’W
22:36	/172	XBT 34 ° 33.6’S 49° 04.9’W
22:57		

23:05 23:21	39/173	V/l on station in 34° 36.2’S 49° 06.9’W F-net deployed F-net recovered
12/10/99 03:00 06:58 09:58 10:02 10:04 10:09 10:24 10:52 10:57	 /174 /175 /176 /177 /178 /179	 XBT in 35° 03.3’S 49° 34.2’W XBT deployed 335° 35.9’S 50° 06.5’W V/l on station in position 36° 00.1’S 50° 30.2’W CTD deployed Net to 20m F-net to 200m F-net recovered CTD recovered XBT deployed 36° 00.0’S 50° 30.5’W