

Table 1.2 CTD stations

Major Stations				time	latitude	longitude	lat	lat	lon	lon	PES	max	altr	
ctds	in red	day	date	time	latitude	longitude	lat	lat	lon	lon	PES	max	altr	
station ID	type*	day	date	GMT	dec deg N	dec deg E	deg S	min	deg min	deg min	m	pres	m	comments
bold	s	stainless	CTD	cast										
<i>italics</i>	t	titanium	cast											
bold italics	sTh	Thorium	cast											
15486	t	be	310	5/11/04	755	-37.05363	26.89170	37	3.22	26	53.50	2979		
		bo	310	5/11/04	814	-37.05117	26.89329	37	3.07	26	53.60	??	1011	trial to 1000m
		en	310	5/11/04	841	-37.04715	26.89787	37	2.83	26	53.87	2897		
15487	s	be	310	5/11/04	1131	-37.13036	27.19161	37	7.82	27	11.50	3222		
		bo	310	5/11/04	1154	-37.12221	27.19390	37	7.33	27	11.63	3224	1000	trial to 1000m
		en	310	5/11/04	1227	-37.11845	27.19408	37	7.11	27	11.64	3220		
15489	J	s	be	314	9/11/04	1106	-42.00553	48.01119	42	0.33	48	0.67	3294	
		bo 314	9/11/04	1209	-42.00200	48.02094	42 0.12 48	1.26	3264	3286	17			
		en	314	9/11/04	1354	-41.99815	48.01771	41	59.89	48	1.06	??		time from ctd start+time in water
15490	M1	s	be	316	11/11/04	1036	-43.87797	50.24623	43	52.68	50	14.77	3108	
		bo 316	11/11/04	1137	-43.88370	50.24646	43 53.02 50	14.79	3109	3118	0			touched bottom
		en	316	11/11/04	1310	-43.89188	50.25054	43	53.51	50	15.03	??		time from ctd start+time in water
15491	M1	t	be	316	11/11/04	1411	-43.89823	50.25842	43	53.89	50	15.51	3104	
		<i>bo 316</i>	<i>11/11/04</i>	<i>1733</i>	<i>-43.92049</i>	<i>50.26742</i>	<i>43 55.23 50</i>	<i>16.05</i>	<i>3106</i>	<i>3118</i>	<i>0</i>			<i>altimeter uncertain - touchdown?</i>
		en	316	11/11/04	1914	-43.92515	50.26108	43	55.51	50	15.66	3107		scrolling gear failure at 800m
15492	M1	sTh	be	316	11/11/04	1953	-43.92616	50.25964	43	55.57	50	15.58	3107	
		bo 316	11/11/04	2018	-43.92688	50.25728	43 55.61 50	15.44	3106	1017				
		en	316	11/11/04	2104	-43.92514	50.24976	43	55.51	50	14.99	3103		
15493	M4	s	be	317	12/11/04	653	-44.50003	51.25354	44	30.00	51	15.21	3263	
		bo 317	12/11/04	752	-44.49690	51.25691	44 29.81 51	15.41	3222	3269	15			failed at 100m on up
		en	317	12/11/04	933	-44.50297	51.24803	44	30.18	51	14.88	??		time from ctd start+time in water
15494	M3	s	be	318	13/11/04	28	-46.05642	51.78834	46	3.39	51	47.30	2377	
		bo 318	13/11/04	116	-46.05766	51.78060	46 3.46 51	46.84	2398	2402	14			pre mooring
		en	318	13/11/04	228	-46.06278	51.77306	46	3.77	51	46.38	2339		
15495	M3	sTh	be	318	13/11/04	955	-46.05668	51.79179	46	3.40	51	47.51	2355	
		bo 318	13/11/04	1019	-46.05698	51.79213	46 3.42 51	47.53	2353	1011				added par
		en	318	13/11/04	1104	-46.05499	51.79068	46	3.30	51	47.44	2369		
15496	M3	t	be	318	13/11/04	1507	-46.05942	51.79007	46	3.57	51	47.40	2355	
		<i>bo 318</i>	<i>13/11/04</i>	<i>1551</i>	<i>-46.06809</i>	<i>51.78529</i>	<i>46 4.09 51</i>	<i>47.12</i>	<i>2304</i>	<i>2287</i>	<i>-25</i>			
		en	318	13/11/04	1706	-46.07652	51.78405	46	4.59	51	47.04	2289		
15498	M3	sTh	be	323	18/11/04	1739	-46.05319	51.79430	46	3.19	51	47.66	2368	
		bo 323	18/11/04	1830	-46.04243	51.80026	46 2.55 51	48.02	2437	2396	15			also Thorium cast
		en	323	18/11/04	1937	-46.03221	51.81001	46	1.93	51	48.60	2515		
15499	M3	t	be	323	18/11/04	2103	-46.02751	51.80976	46	1.65	51	48.59	2552	
		<i>bo 323</i>	<i>18/11/04</i>	<i>2112</i>	<i>-46.02559</i>	<i>51.81050</i>	<i>46 1.54 51</i>	<i>48.63</i>	<i>2563</i>	<i>305</i>				
		en	323	18/11/04	2141	-46.02139	51.80606	46	1.28	51	48.36	2547		
15500	s	be	324	19/11/04	1153	-47.13679	52.33839	47	8.21	52	20.30	3436		
		bo 324	19/11/04	1254	-47.13850	52.35403	47 40.62 52	55.66	3422	3428	20			N of M2
		en	324	19/11/04	1428	-47.13500	52.37243	46	22.47	53	2.27	3444		altimeter uncertain
15502	M2	t	be	324	19/11/04	2021	-47.79924	52.85540	46	42.49	53	0.58	3857	
		<i>bo 324</i>	<i>19/11/04</i>	<i>2140</i>	<i>-47.79537</i>	<i>52.86216</i>	<i>46 47.27 53</i>	<i>0.17</i>	<i>NA</i>	<i>3870</i>	<i>NA</i>			
		en	325	20/11/04	8	-47.79309	52.85485	46	55.97	52	59.44	3857		
15503	M2	sTh	be	325	20/11/04	122	-47.79482	52.85587	47	0.11	52	59.09	3857	
		bo 325	20/11/04	133	-47.79552	52.85540	47 0.81 52	59.03	3857	507				
		en	325	20/11/04	159	-47.79663	52.85384	47	2.74	52	58.87	3857		
15504	M2	s	be	325	20/11/04	542	-47.76572	52.88210	47	15.11	52	57.82	3856	
		bo 325	20/11/04	654	-47.77291	52.88365	47 19.61 52	57.44	3859	3879	12			
		en	325	20/11/04	915	-47.78290	52.89307	47	27.95	52	56.73	3847		
15506	s	be	325	20/11/04	1718	-48.19607	52.40869	48	11.76	52	24.52	3872		
		bo 325	20/11/04	1828	-48.19150	52.41306	48 11.49 52	24.78	3869	3896	10			S of M2
		en	325	20/11/04	2032	-48.18507	52.42438	48	11.10	52	25.46	3861		
15507	M6	s	be	326	21/11/04	1530	-49.00442	51.49066	49	0.27	51	29.44	4199	
		bo 326	21/11/04	1647	-49.00333	51.49086	49 0.20 51	29.45	4206	4246	15			altimeter approximate
		en	326	21/11/04	1848	-49.00235	51.47790	49	0.14	51	28.67	4202		
15511	M6	t	be	327	22/11/04	2205	-49.00079	51.49824	49	0.05	51	29.89	4227	
		<i>bo 327</i>	<i>22/11/04</i>	<i>2327</i>	<i>-49.00557</i>	<i>51.50046</i>	<i>49 0.33 51</i>	<i>30.03</i>	<i>4275</i>	<i>3</i>				<i>T2 failed on down</i>
		en	328	23/11/04	138	-49.01080	51.49200	49	0.65	51	29.52	4220		
15512	M6	sTh	be	328	23/11/04	252	-49.01502	51.47633	49	0.90	51	28.58	4226	
		bo 328	23/11/04	314	-49.01547	51.47307	49 0.93 51	28.38	4222	1014				
		en	328	23/11/04	352	-49.01627	51.47536	49	0.98	51	28.52	??		time from ctd start+time in water
15513	s	be	328	23/11/04	753	-48.59949	51.95161	48	35.97	51	57.10	??		
		bo 328	23/11/04	906	-48.59614	51.94782	48 35.77 51	56.87	3962	3986	15			N of M6
		en	328	23/11/04	1137	-48.60148	51.94330	48	36.09	51	56.60	3973		altimeter approximate
15516	M3	t	be	330	25/11/04	42	-46.05881	51.79332	46	3.53	51	47.60	2350	
		<i>bo 330</i>	<i>25/11/04</i>	<i>54</i>	<i>-46.05961</i>	<i>51.79093</i>	<i>46 3.58 51</i>	<i>47.46</i>	<i>2353</i>	<i>507</i>				
		en	330	25/11/04	116	-46.06175	51.78563	46	3.71	51	47.14	2346		
15517	M3	sTh	be	330	25/11/04	215	-46.06868	51.77442	46	4.12	51	46.47	2344	
		bo 330	25/11/04	223	-46.07007	51.77153	46 4.20 51	46.29	2331	309				
		en	330	25/11/04	252	-46.07499	51.76243	46	4.50	51	45.75	2284		
15518	M3	s	be	330	25/11/04	625	-46.06952	51.77662	46	4.17	51	46.60	2350	
		bo 330	25/11/04	713	-46.07895	51.76161	46 4.74 51	45.70	2278	2308	15			restart CTD at bottom
		en	330	25/11/04	900	-46.09805	51.73410	46	5.88	51	44.05	??		altimeter approximate
15520	s	be	331											

15528	s	en	333	28/11/04	1252	-45.50001	48.32829	45	30.00	48	19.70	2905			
		be	334	29/11/04	41	-45.49133	47.64150	45	29.48	47	38.49	2435			
		bo	334	29/11/04	126	-45.48963	47.63362	45	29.38	47	38.02	2410	2419 10	10-15 altimeter	
15531	M8E	t	en	334	29/11/04	241	-45.48477	47.63071	45	29.09	47	37.84	2394		
			be	334	29/11/04	2354	-44.92030	49.90447	44	55.22	49	54.27	2750		
			bo	334	29/11/04	2359	-44.92019	49.90487	44	55.21	49	54.29	2750	<i>n/a</i>	
15532	M8E	s	en	335	30/11/04	13	-44.91779	49.90411	44	55.07	49	54.25	??		
			be	335	30/11/04	40	-44.91612	49.90391	44	54.97	49	54.23	2752		
			bo	335	30/11/04	132	-44.91659	49.90688	44	55.00	49	54.41	2752	2747 14	
15533	M8E	sTh	en	335	30/11/04	249	-44.91238	49.90820	44	54.74	49	54.49	2754		
			be	335	30/11/04	539	-44.95826	49.94000	44	57.50	49	56.40	2712		
			bo	335	30/11/04	601	-44.95355	49.94103	44	57.21	49	56.46	2715	1014	1000m
15534	M8E	t	en	335	30/11/04	643	-44.95416	49.94818	44	57.25	49	56.89	??		
			be	335	30/11/04	1005	-44.94729	49.96007	44	56.84	49	57.60	2723		
			bo	335	30/11/04	1047	-44.94709	49.96695	44	56.83	49	58.02	2724	1004	time from start +ctd time
15537	M8W	t	en	335	30/11/04	1156	-44.94579	49.96894	44	56.75	49	58.14	2728		
			be	336	1/12/04	2233	-44.87014	49.65785	44	52.21	49	39.47	2818		
			bo	336	1/12/04	2324	-44.86585	49.66330	44	51.95	49	39.80	2808	2811 7.7	
15538	M8W	s	en	337	2/12/04	43	-44.85744	49.65953	44	51.45	49	39.57	??		
			be	337	2/12/04	120	-44.85551	49.65783	44	51.33	49	39.47	2818		
			bo	337	2/12/04	215	-44.85659	49.65218	44	51.40	49	39.13	2816	2801	25 altimeter uncertain
15539	M8W	sTh	en	337	2/12/04	340	-44.85666	49.64303	44	51.40	49	38.58	2817		
			be	337	2/12/04	614	-44.87125	49.64893	44	52.28	49	38.94	2808		
			bo	337	2/12/04	627	-44.87236	49.64711	44	52.34	49	38.83	2805	505	500m
15540	M8W	s	en	337	2/12/04	705	-44.87030	49.64731	44	52.22	49	38.84	2808		
			be	337	2/12/04	1605	-44.90975	49.63175	44	54.59	49	37.90	2779		
			bo	337	2/12/04	1617	-44.91140	49.62931	44	54.68	49	37.76	2778	404	for SeaSoar calibration
15542	M9	sTh	en	337	2/12/04	1649	-44.91444	49.62176	44	54.87	49	37.31	2776		
			be	338	3/12/04	2036	-43.11771	47.18484	43	7.06	47	11.09	2911		
			bo	338	3/12/04	2053	-43.11760	47.18493	43	7.06	47	11.10	2911	507	time from start+ctd time
15543	M9	t	en	338	3/12/04	2135	-43.11676	47.18552	43	7.01	47	11.13	2917		
			be	338	3/12/04	2245	-43.11720	47.18450	43	7.03	47	11.07	2912		
			bo	338	3/12/04	2341	-43.11740	47.18411	43	7.04	47	11.05	2912	2918 11	
15544	M9	s	en	339	4/12/04	113	-43.12147	47.18059	43	7.29	47	10.84	2900		
			be	339	4/12/04	453	-43.11719	47.18383	43	7.03	47	11.03	2913		
			bo	339	4/12/04	546	-43.11593	47.18615	43	6.96	47	11.17	2918	2916	15 approximate altimeter
15545		s	en	339	4/12/04	738	-43.11653	47.18400	43	6.99	47	11.04	2914		
			be	339	4/12/04	1332	-42.83607	46.38926	42	50.16	46	23.36	3269		
			bo	339	4/12/04	1432	-42.83344	46.39160	42	50.01	46	23.50	3247	3257 11	
15546		be	en	339	4/12/04	1604	-42.83344	46.39871	42	50.01	46	23.92	3222		
			be	339	4/12/04	2138	-42.56021	45.59336	42	33.61	45	35.60	3385		
			bo	339	4/12/04	2241	-42.55980	45.59644	42	33.59	45	35.79	3370	3399	
15547		en	en	340	5/12/04	26	-42.55576	45.59531	42	33.35	45	35.72	3380		
			be	340	5/12/04	605	-42.27947	44.74844	42	16.77	44	44.91	3349		
			bo	340	5/12/04	711	-42.27615	44.75162	42	16.57	44	45.10	3381	3421	20 altimeter approximate
15548	K	sTh	en	340	5/12/04	915	-42.27749	44.75238	42	16.65	44	45.14	??		
			be	340	5/12/04	1412	-42.00298	43.99468	42	0.18	43	59.68	3134		
			bo	340	5/12/04	1432	-42.00822	43.99335	42	0.49	43	59.60	3175	1008	also thorium cast
15549	s	en	en	340	5/12/04	1518	-42.01628	43.99008	42	0.98	43	59.40	3200		
			be	351	16/12/04	1028	-38.74784	38.78815	38	44.87	38	47.29	5474		
			bo	351	16/12/04	1033	-38.74662	38.78830	38	44.80	38	47.30	5474	205	test to 200m
15550	s	en	en	351	16/12/04	1108	-38.73685	38.79127	38	44.21	38	47.48	5474		
			be	352	17/12/04	515	-40.29562	41.24607	40	17.74	41	14.76	2874		
			bo	352	17/12/04	529	-40.29531	41.24745	40	17.72	41	14.85	2872	509	calibration cast start of SeaSoar
15552	M9	t	en	352	17/12/04	556	-40.29811	41.24620	40	17.89	41	14.77	2863		
			be	353	18/12/04	1808	-42.99798	47.00177	42	59.88	47	0.11	3245		
			bo	353	18/12/04	1908	-42.99845	47.00386	42	59.91	47	0.23	3242	3248 10	
15553	M9	s	en	353	18/12/04	2041	-42.99478	47.01842	42	59.69	47	1.11	na		
			be	354	19/12/04	314	-43.00175	46.99978	43	0.10	46	59.99	3233		
			bo	354	19/12/04	412	-43.00291	47.00285	43	0.17	47	0.17	3228	3242	
15554	M9	sTh	en	354	19/12/04	551	-43.00195	47.00273	43	0.12	47	0.16	3233		
			be	354	19/12/04	847	-42.99700	47.02032	42	59.82	47	1.22	3204		
			bo	354	19/12/04	859	-42.99510	47.02378	42	59.71	47	1.43	na	507	
15555	s	en	en	354	19/12/04	939	-42.99510	47.02865	42	59.71	47	1.72	na		
			be	354	19/12/04	1515	-43.49971	47.99924	43	29.98	47	59.95	2463		
			bo	354	19/12/04	1544	-43.49874	47.99946	43	29.92	47	59.97	2464	-	aborted at 1535 for par removal
15556	s	en	en	354	19/12/04	1544	-43.49874	47.99946	43	29.92	47	59.97	2464		
			be	354	19/12/04	1632	-43.49914	47.99899	43	29.95	47	59.94	2451	2442	14
			bo	354	19/12/04	1755	-43.50154	47.99132	43	30.09	47	59.48	2460		
15557	s	en	en	355	20/12/04	19	-44.00028	49.00187	44	0.02	49	0.11	2891		
			be	355	20/12/04	112	-43.99919	49.00103	43	59.95	49	0.06	2892	2893	
			bo	355	20/12/04	240	-44.00223	48.99945	44	0.13	48	59.97	2895		
15560	M10	sTh	en	355	20/12/04	1521	-44.51835	49.99419	44	31.10	49	59.65	2956		
			be	355	20/12/04	1533	-44.51829	49.99248	44	31.10	49	59.55	2956	507	
			bo	355	20/12/04	1609	-44.51871	49.98894	44	31.12	49	59.34	na		
15561	M10	t	en	355	20/12/04	1848	-44.52419	49.96866	44	31.45	49	58.12	2945		
			be	355	20/12/04	1859	-44.52436	49.96880	44	31.46	49	58.13	2948	508	
			bo	355	20/12/04	1933	-44.52628	49.96353	44	31.58	49	57.81	2945		

15570	s	en	357	22/12/04	1637	-46.26914	51.96399	46	16.15	51	57.84	1300		
		be	357	22/12/04	1710	-46.26677	51.96055	46	16.01	51	57.63	1284		
		bo	357	22/12/04	1742	-46.26472	51.95772	46	15.88	51	57.46	1354	1387	10
		en	357	22/12/04	1836	-46.26340	51.95475	46	15.80	51	57.29	1425		
15572	M3	t	be	357	22/12/04	2127	-46.06290	51.78260	46	3.77	51	46.96	2385	
			bo	357	22/12/04	2138	-46.06223	51.78169	46	3.73	51	46.90	2375	508
		en	357	22/12/04	2216	-46.06425	51.77791	46	3.86	51	46.67	2354		
15573	M3	s	be	357	22/12/04	2239	-46.06579	51.77614	46	3.95	51	46.57	2351	
			bo	357	22/12/04	2322	-46.06834	51.77819	46	4.10	51	46.69	2363	2348
		en	358	23/12/04	39	-46.07176	51.77847	46	4.31	51	46.71	2345		
15574	M3	sTh	be	358	23/12/04	344	-46.08085	51.78279	46	4.85	51	46.97	2263	
			bo	358	23/12/04	354	-46.08142	51.78237	46	4.89	51	46.94	2256	409
		en	358	23/12/04	423	-46.08388	51.78502	46	5.03	51	47.10	2267		
15576	s	be	359	24/12/04	1252	-45.98752	56.42929	45	59.25	56	25.76	4238		
		bo	359	24/12/04	1421	-45.99679	56.43891	45	59.81	56	26.33	4250	4278	
15580	M5	sTh	en	359	24/12/04	1602	-46.00431	56.45611	46	0.26	56	27.37	4254	
			be	362	27/12/04	1458	-45.99661	56.15275	45	59.80	56	9.16	4272	
		bo	362	27/12/04	1510	-45.99740	56.15210	45	59.84	56	9.13	4271	508	
		en	362	27/12/04	1539	-45.99949	56.15202	45	59.97	56	9.12	4269		
15581	M5	t	be	362	27/12/04	1852	-46.00104	56.15407	46	0.06	56	9.24	4268	
			bo	362	27/12/04	2010	-46.00057	56.15122	46	0.03	56	9.07	4268	4304
		en	362	27/12/04	2211	-46.00196	56.15052	46	0.12	56	9.03	4267		
15582	M5	s	be	362	27/12/04	2256	-46.00245	56.15153	46	0.15	56	9.09	4267	
			bo	363	28/12/04	10	-46.00005	56.15157	46	0.00	56	9.09	4269	4310
		en	363	28/12/04	202	-45.99897	56.14809	45	59.94	56	8.89	4269		
15584	s	be	364	29/12/04	1903	-45.99950	55.01140	45	59.97	55	0.68	3955		
		bo	364	29/12/04	2014	-45.99770	55.01050	45	59.86	55	0.63	3957	3990	
		en	364	29/12/04	2209	-45.99847	55.00369	45	59.91	55	0.22	3949		
15585	s	be	365	30/12/04	510	-46.00043	54.00148	46	0.03	54	0.09	3462		
		bo	365	30/12/04	613	-46.00461	54.00371	46	0.28	54	0.22	3433	3475	
		en	365	30/12/04	738	-46.01109	53.99814	46	0.67	53	59.89	3456		
15586	s	be	365	30/12/04	1214	-45.99852	53.26045	45	59.91	53	15.63	3458		
		bo	365	30/12/04	1316	-45.99915	53.26655	45	59.95	53	15.99	3456	3462	
		en	365	30/12/04	1441	-45.99651	53.26953	45	59.79	53	16.17	3454		
15587	s	be	365	30/12/04	1912	-45.99879	52.52650	45	59.93	52	31.59	3119		
		bo	365	30/12/04	2011	-45.99112	52.52283	45	59.47	52	31.37	3163	3146	
		en	365	30/12/04	2136	-45.97872	52.51634	45	58.72	52	30.98	3184		
15589	M3	s	be	366	31/12/04	404	-46.06451	51.78105	46	3.87	51	46.86	2356	
			bo	366	31/12/04	448	-46.06441	51.78068	46	3.86	51	46.84	2358	2365
		en	366	31/12/04	555	-46.06546	51.77471	46	3.93	51	46.48	2343		
15590	M3	sTh	be	366	31/12/04	710	-46.06343	51.77814	46	3.81	51	46.69	2365	
			bo	366	31/12/04	723	-46.06256	51.77720	46	3.75	51	46.63	2359	509
		en	366	31/12/04	748	-46.06193	51.77686	46	3.72	51	46.61	2358		
15591	M3	s	be	366	31/12/04	1128	-46.04512	51.77813	46	2.71	51	46.69	2409	
			bo	366	31/12/04	1211	-46.04319	51.77791	46	2.59	51	46.67	2411	2397
		en	366	31/12/04	1258	-46.04878	51.77563	46	2.93	51	46.54	na		
15592	M3	t	be	366	31/12/04	1411	-46.05161	51.77661	46	3.10	51	46.60	2406	
			bo	366	31/12/04	1417	-46.05134	51.77591	46	3.08	51	46.55	2404	204
		en	366	31/12/04	1436	-46.04928	51.77393	46	2.96	51	46.44	2402		
15595	M6	sTh	be	3	3/1/05	1816	-48.99862	51.54057	48	59.92	51	32.43	4207	
			bo	3	3/1/05	1828	-48.99897	51.53799	48	59.94	51	32.28	4214	510
		en	3	3/1/05	1853	-48.99909	51.53798	48	59.95	51	32.28	na		
15596	M6	s	be	3	3/1/05	2210	-49.00020	51.53423	49	0.01	51	32.05	4215	
			bo	3	3/1/05	2324	-48.99956	51.53338	48	59.97	51	32.00	4214	4249
		en	3	4/1/05	100	-49.07550	51.68815	49	4.53	51	41.29	4213		
15598	M6	t	be	4	4/1/05	1855	-48.99964	51.53791	48	59.98	51	32.27	4214	
			bo	4	4/1/05	2011	-49.00158	51.53467	49	0.09	51	32.08	4214	4253
		en	4	4/1/05	2146	-49.00038	51.53375	49	0.02	51	32.02	4214		
15600	M6	s	be	5	5/1/05	2303	-48.99720	51.34048	48	59.83	51	20.43	4222	
			bo	5	5/1/05	2312	-48.99718	51.33912	48	59.83	51	20.35	4225	403.8
		en	5	5/1/05	2329	-48.99713	51.33730	48	59.83	51	20.24	4223		
15602	M2	t	be	6	6/1/05	1621	-47.79787	52.85606	47	47.87	52	51.36	3858	
			bo	6	6/1/05	1627	-47.79815	52.85535	47	47.89	52	51.32	3057	205
		en	6	6/1/05	1641	-47.79857	52.85403	47	47.91	52	51.24	na		
15603	M2	sTh	be	6	6/1/05	1701	-47.79917	52.85209	47	47.95	52	51.13		3 misfires, redo
			bo	6	6/1/05	1712	-47.79919	52.85154	47	47.95	52	51.09	506	
		en	6	6/1/05	1738	-47.79990	52.84954	47	47.99	52	50.97			
15604	M2	sTh	be	6	6/1/05	1804	-47.80026	52.84835	47	48.02	52	50.90	3858	
			bo	6	6/1/05	1809	-47.80029	52.84838	47	48.02	52	50.90	3858	205
		en	6	6/1/05	1823	-47.80039	52.84811	47	48.02	52	50.89	na		
15605	M2	t	be	6	6/1/05	2109	-47.80076	52.85049	47	48.05	52	51.03	3857	
			bo	6	6/1/05	2217	-47.80111	52.84952	47	48.07	52	50.97	3857	3883
		en	6	6/1/05	2340	-47.80152	52.84844	47	48.09	52	50.91	3857		
15606	M2	s	be	7	7/1/05	43	-47.80214	52.85087	47	48.13	52	51.05	3856	
			bo	7	7/1/05	152	-47.80385	52.84979	47	48.23	52	50.99	3852	3879
		en	7	7/1/05	323	-47.80895	52.84782	47	48.54	52	50.87	3853		
15612	aM3	t	be	8	8/1/05	2250	-46.14772	51.85818	46	8.86	51	51.49	1999	
			bo	8	8/1/05	2302	-46.14647	51.85978	46	8.79	51	51.59	2039	507
		en	8	8/1/05	2331	-								

15620	bM3	sTh	be	10	10/1/05	1633	-46.03230	51.86957	46	1.94	51	52.17	2320	no deep ss cast taken
			bo	10	10/1/05	1645	-46.03230	51.87041	46	1.94	51	52.22	2320	
15621	bM3	t	en	10	10/1/05	1728	-46.03316	51.87081	46	1.99	51	52.25	na	
			be	10	10/1/05	1816	-46.03252	51.86615	46	1.95	51	51.97	2320	
			bo	10	10/1/05	1827	-46.03267	51.86606	46	1.96	51	51.96	2440	508
15622	bM3	t	en	10	10/1/05	1848	-46.03325	51.86531	46	1.99	51	51.92	2335	
			be	10	10/1/05	2224	-46.03347	51.86723	46	2.01	51	52.03	2306	
			bo	10	10/1/05	2308	-46.03412	51.86656	46	2.05	51	51.99	2300	2322
15623	cM3	s	en	11	11/1/05	5	-46.03366	51.86811	46	2.02	51	52.09	2313	
			be	11	11/1/05	706	-45.99120	51.67599	45	59.47	51	40.56	2497	
			bo	11	11/1/05	719	-45.99009	51.67869	45	59.41	51	40.72	2506	507
15627	dM3	sTh	en	11	11/1/05	744	-45.98778	51.67911	45	59.27	51	40.75	2515	
			be	12	12/1/05	1900	-46.04172	51.96239	46	2.50	51	57.74	2520	
			bo	12	12/1/05	1914	-46.04223	51.96235	46	2.53	51	57.74	2529	508
15628	dM3	s	en	12	12/1/05	1945	-46.04268	51.95929	46	2.56	51	57.56	2545	
			be	12	12/1/05	2250	-46.04096	51.96064	46	2.46	51	57.64	2542	
			bo	12	12/1/05	2343	-46.04089	51.96060	46	2.45	51	57.64	2514	2529
15629	dM3	t	en	13	13/1/05	52	-46.04265	51.95761	46	2.56	51	57.46	2532	
			be	13	13/1/05	121	-46.04511	51.95849	46	2.71	51	57.51	2382	
			bo	13	13/1/05	134	-46.04566	51.95920	46	2.74	51	57.55	2382	504
15632	M10	sTh	en	13	13/1/05	203	-46.04797	51.95825	46	2.88	51	57.50	2352	
			be	15	15/1/05	425	-44.50190	49.98677	44	30.11	49	59.21	2965	
			bo	15	15/1/05	446	-44.50151	49.98558	44	30.09	49	59.13	2965	1013
15634	M10	s	en	15	15/1/05	525	-44.50269	49.98596	44	30.16	49	59.16	2964	
			be	15	15/1/05	2059	-44.52447	49.99822	44	31.47	49	59.89	2955	
			bo	15	15/1/05	2150	-44.52456	49.99827	44	31.47	49	59.90	2972	2947
			en	15	15/1/05	2252	-44.52490	49.99964	44	31.49	49	59.98	na	