

Table 1.2 CTD stations

Major Stations in red			day	date	time	latitude	longitude	lat	lat	lon	lon	PES	max	altr	comments
ctds station ID	type*	type*	day	date	GMT	dec deg N	dec deg E	deg S	min	deg min	deg min	m	pres	m	
15486	t	bo	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	bo	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	bo	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	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	bo	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	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	bo	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>50.26742</i>	<i>43</i>	<i>55.23</i>	<i>50</i>	<i>16.05</i>	<i>3106</i>	<i>3118</i>	<i>0</i>	<i>altimeter uncertain - touchdown?</i> <i>scrolling gear failure at 800m</i>
15492 M1	sTh	bo	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	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	bo	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	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	bo	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	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	bo	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	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	bo	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>51.78529</i>	<i>46</i>	<i>4.09</i>	<i>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	bo	323	18/11/04	1739	-46.05319	51.79430	46	3.19	51	47.66	2368			<i>also Thorium cast</i>
		bo 323	18/11/04	1830	-46.04243	51.80026	51.80026	46	2.55	51	48.02	2437	2396	15	
		en	323	18/11/04	1937	-46.03221	51.81001	46	1.93	51	48.60	2515			
15499 M3	t	bo	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>51.81050</i>	<i>46</i>	<i>1.54</i>	<i>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	bo	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	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	bo	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>52.86216</i>	<i>46</i>	<i>47.27</i>	<i>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	bo	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	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	bo	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	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	bo	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	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	bo	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	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	bo	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>51.50046</i>	<i>49</i>	<i>0.33</i>	<i>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	bo	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	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	bo	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	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	bo	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>51.79093</i>	<i>46</i>	<i>3.58</i>	<i>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	bo	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	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	bo	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	51.76161	46	4.74	51	45.70	2278	2308	<	

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		
15531	M8E	t	bo	334	29/11/04	126	-45.48963	47.63362	45	29.38	47	38.02	2410	2419 10	10-15 altimeter
			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
			en	335	30/11/04	249	-44.91238	49.90820	44	54.74	49	54.49	2754		
15533	M8E	sTh	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
			en	335	30/11/04	643	-44.95416	49.94818	44	57.25	49	56.89	??		time from start +ctd time
			be	335	30/11/04	1005	-44.94729	49.96007	44	56.84	49	57.60	2723		
15534	M8E	t	bo	335	30/11/04	1047	-44.94709	49.96695	44	56.83	49	58.02	2724	1004	
			en	335	30/11/04	1156	-44.94579	49.96894	44	56.75	49	58.14	2728		
15537	M8W	t	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
			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		
15538	M8W	s	bo	337	2/12/04	215	-44.85659	49.65218	44	51.40	49	39.13	2816	2801	25 altimeter uncertain
			en	337	2/12/04	340	-44.85666	49.64303	44	51.40	49	38.58	2817		
15539	M8W	sTh	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
			en	337	2/12/04	705	-44.87030	49.64731	44	52.22	49	38.84	2808		time from start+ctd time
			be	337	2/12/04	1605	-44.90975	49.63175	44	54.59	49	37.90	2779		
15540	M8W	s	bo	337	2/12/04	1617	-44.91140	49.62931	44	54.68	49	37.76	2778	404	for SeaSoar calibration
			en	337	2/12/04	1649	-44.91444	49.62176	44	54.87	49	37.31	2776		
15542	M9	sTh	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	
			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		
15543	M9	t	bo	338	3/12/04	2341	-43.11740	47.18411	43	7.04	47	11.05	2912	2918	11
			en	339	4/12/04	113	-43.12147	47.18059	43	7.29	47	10.84	2900		
15544	M9	s	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
			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		
15545		s	bo	339	4/12/04	1432	-42.83344	46.39160	42	50.01	46	23.50	3247	3257	11
			en	339	4/12/04	1604	-42.83344	46.39871	42	50.01	46	23.92	3222		
15546		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	
			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		
15547		bo	340	5/12/04	711	-42.27615	44.75162	42	16.57	44	45.10	3381	3421	20 altimeter approximate	
			en	340	5/12/04	915	-42.27749	44.75238	42	16.65	44	45.14	??		
15548	K	sTh	be	340	5/12/04	1412	-42.00298	43.99468	42	0.18	43	59.68	3134		<i>also thorium cast</i>
			bo	340	5/12/04	1432	-42.00822	43.99335	42	0.49	43	59.60	3175	1008	
			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		test to 200m
15549	s		bo	351	16/12/04	1033	-38.74662	38.78830	38	44.80	38	47.30	5474	205	
			en	351	16/12/04	1108	-38.73685	38.79127	38	44.21	38	47.48	5474		
15550	s		be	352	17/12/04	515	-40.29562	41.24607	40	17.74	41	14.76	2874		calibration cast start of SeaSoar
			bo	352	17/12/04	529	-40.29531	41.24745	40	17.72	41	14.85	2872	509	
			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		
15552	M9	t	bo	353	18/12/04	1908	-42.99845	47.00386	42	59.91	47	0.23	3242	3248	10
			en	353	18/12/04	2041	-42.99478	47.01842	42	59.69	47	1.11	na		
15553	M9	s	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	
			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		
15554	M9	sTh	bo	354	19/12/04	859	-42.99510	47.02378	42	59.71	47	1.43	na	507	
			en	354	19/12/04	939	-42.99510	47.02865	42	59.71	47	1.72	na		
15555	s		be	354	19/12/04	1515	-43.49971	47.99924	43	29.98	47	59.95	2463		aborted at 1535 for par removal
			bo	354	19/12/04	1544	-43.49874	47.99946	43	29.92	47	59.97	2464		
15556	s		bo	354	19/12/04	1632	-43.49914	47.99899	43	29.95	47	59.94	2451	2442	14
			en	354	19/12/04	1755	-43.50154	47.99132	43	30.09	47	59.48	2460		
15557	s		be	355	20/12/04	19	-44.00028	49.00187	44	0.02	49	0.11	2891		
			bo	355	20/12/04	112	-43.99919	49.00103	43	59.95	49	0.06	2892	2893	
			en	355	20/12/04	240	-44.00223	48.99945	44	0.13	48	59.97	2895		
			be	355	20/12/04	1521	-44.51835	49.99419	44	31.10	49	59.65	2956		
15560	M10	sTh	bo	355	20/12/04	1533	-44.51829	49.99248	44	31.10	49	59.55	2956	507	
			en	355	20/12/04	1609	-44.51871	49.98894	44	31.12	49	59.34	na		
15561	M10	t	be	355	20/12/04	1848	-44.52419	49.96866	44	31.45	49	58.12	2945		
			bo	355	20/12/04	1859	-44.52436	49.96880	44	31.46	49	58.13	2948	508	
			en	355	20/12/04	1933	-44.52628	49.							

		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		
15570	s	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	
		en	359	24/12/04	1602	-46.00431	56.45611	46	0.26	56	27.37	4254		
15580	M5	sTh	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 10	
		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 10	
		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	water for experiments	
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	3857	
		bo	6	6/1/05	1712	-47.79919	52.85154	47	47.95	52	51.09	na	3 misfires, redo 506	
		en	6	6/1/05	1738	-47.79990	52.84954	47	47.99	52	50.97	na		
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	-46.14501	51.85822	46	8.70	51	51.49	1974		
15613	aM3	sTh	be	8	8/1/05	2357	-46.14371	51.85809	46	8.62	51	51.49	2029	
		bo	9	9/1/05	12	-46.14298	51.85775	46	8.58	51	51.47	2031	507	
		en	9	9/1/05	43	-46.14131	51.85367	46	8.48	51	51.22	1817		
15614	aM3	s	be	9	9/1/05	446	-46.15461	51.85443	46	9.28	51	51.27	1975	
		bo	9	9/1/05	522	-46.15475	51.85215	46	9.28	51	51.13	1969	1982	
		en	9	9/1/05	629	-46.16132	51.84533	46	9.68	51	50.72	1927		
15615	s	be	9	9/1/05	2215	-46.28319	51.08446	46	16.99	51	5.07	1264		
		bo	9	9/1/05	2226	-46.28323	51.08436	46	16.99	51	5.06	1264	507	
		en	9	9/1/05	2303	-46.28377	51.08434	46	17.03	51	5.06	1253	not deep	
15616	s	be	10	10/1/05	44	-46.28773	51.33500	46	17.26	51	20.10	1155		
		bo	10	10/1/05	57	-46.29182	51.33359	46	17.51	51	20.02	1092	505	
		en	10	10/1/05	134	-46.29978	51.32779	46	17.99	51	19.67	1141	not deep	
15617	s	be	10	10/1/05	257	-46.28545	51.57752	46	17.13	51	34.65	718		
		bo	10	10/1/05	310	-46.								

15620	bM3	sTh	be	10	10/1/05	1633	-46.03230	51.86957	46	1.94	51	52.17	2320		
			bo	10	10/1/05	1645	-46.03230	51.87041	46	1.94	51	52.22	2320	509	<i>no deep ss cast taken</i>
15621	bM3	t	en	10	10/1/05	1728	-46.03316	51.87081	46	1.99	51	52.25	na		
			bo	10	10/1/05	1816	-46.03252	51.86615	46	1.95	51	51.97	2320		
15622	bM3	t	bo	10	10/1/05	1827	-46.03267	51.86606	46	1.96	51	51.96	2440	508	
			en	10	10/1/05	1848	-46.03325	51.86531	46	1.99	51	51.92	2335		
15623	cM3	s	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		
15627	dM3	sTh	bo	11	11/1/05	719	-45.99009	51.67869	45	59.41	51	40.72	2506	507	not deep
			en	11	11/1/05	744	-45.98778	51.67911	45	59.27	51	40.75	2515		
15627	dM3	sTh	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		
15629	dM3	t	bo	12	12/1/05	2343	-46.04089	51.96060	46	2.45	51	57.64	2514	2529	
			en	13	13/1/05	52	-46.04265	51.95761	46	2.56	51	57.46	2532		
15632	M10	sTh	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		
15634	M10	s	bo	15	15/1/05	446	-44.50151	49.98558	44	30.09	49	59.13	2965	1013	not deep
			en	15	15/1/05	525	-44.50269	49.98596	44	30.16	49	59.16	2964		
15634	M10	s	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		