Lat: 36° 0.000's
Lon: 1° 0.503' E

	A13.5_2010 Sample Log NOAA Ship Ronald H. Brown								EXPO Code 33RO21010308							MH
Station/Cast		Sampling Start(UTC)	Date	Time	Sampling End(UTC)	Date	Time	Bottom Depth		C14Box				NutBox	SaltBox	
37 / 1			3/23/10	14:20		3/23/10	16:00	4964						green	700	
Niskin Number	Press	CFC Syringe	Helium Tube	Oxygen Flask	Oxygen Temp	pH	pCO2	DIC	Alk	C-14	DOC	Tritium		Nut Tube	Salt Bottle	Comments
1	5052	412 ✓	205 ✓	41 ✓	3.9	1 ✓	1 ✓	A1, A25 ✓	1A, 1B ✓	6590 ✓	1 ✓	149 ✓		1 ✓	701 ✓	
2	4600	297 ✓	207 ✓	82 ✓	4.0	2 ✓	2 ✓	A2 ✓	2 ✓	6591 ✓	2 ✓	150 ✓		2 ✓	702, 205 ✓	
3	4200	476 ✓	255 ✓	43 ✓	4.1	3, A ✓	3 ✓	A3 ✓	3 ✓	6592 ✓	3 ✓			3 ✓	703 ✓	
4	3800	479 ✓	214 ✓	44 ✓	4.5	4 ✓	5, 6 ✓	A4 ✓	4 ✓	6593 ✓	4 ✓	151 ✓		4 ✓	704 ✓	
5	3400	759 ✓	215 ✓	45 ✓	4.8	5 ✓	7 ✓	A5 ✓	5 ✓	6594 ✓	5 ✓			5 ✓	705 ✓	
6	3100	761 ✓	217 ✓*	46 ✓	5.1	6 ✓	10 ✓	A6 ✓	6 ✓	6595 ✓	6 ✓	152 ✓		6 ✓	706 ✓	
7	2800	596, 772 ✓	219 ✓	47 ✓	5.3	7 ✓	14 ✓	A7 ✓	7 ✓	6596 ✓	7 ✓			7 ✓	707 ✓	
8	2500	2712 ✓	220 ✓	48 ✓	5.4	8 ✓	15 ✓	A8 ✓	8 ✓	6597 ✓	8 ✓	153 ✓		8 ✓	708 ✓	
9	2200	619 ✓	221 ✓	49/79 ✓	5.6	9 ✓	16 ✓	A9 ✓	9 ✓	6598 ✓	9 ✓			9 ✓	709 ✓	
10	1900	262 ✓	223 ✓	50 ✓	5.8	10 ✓	17 ✓	A10 ✓	10 ✓	6599 ✓	10 ✓	154 ✓		10 ✓	710 ✓	
11	1700	272 ✓	224 ✓	51 ✓	6.0	11, B ✓	18 ✓	A11 ✓	11 ✓	6600 ✓	11 ✓	155 ✓		11 ✓	711 ✓	
12	1500	585 ✓	225 ✓	92 ✓	6.4	12 ✓	19 ✓	A12, A27 ✓	12A, 12B ✓	6601 ✓	12 ✓	156 ✓		12 ✓	~~712~~	empty after Nut.
13	1300	756 ✓	226 ✓	53 ✓	6.5	13 ✓	20 ✓	A13 ✓	13 ✓	6602 ✓	13 ✓	157 ✓		13 ✓	713 ✓	
14	1100	769 ✓	229 ✓*	54 ✓	7.3	14 ✓	21 ✓	A14 ✓	14 ✓	6603 ✓	14 ✓	158 ✓		14 ✓	~~714~~	
15	900	765 ✓	230 ✓	55 ✓	7.5	15 ✓	22 ✓	A15 ✓	15 ✓	6604 ✓	15 ✓	159 ✓		15 ✓	715 ✓	
16	750	757 ✓	231 ✓	56/80 ✓	8.3	16 ✓	23 ✓	A16 ✓	16 ✓	6605 ✓	16 ✓	160 ✓		16 ✓	~~716~~	empty after Nut.
17	600	766 ✓	232 ✓	57 ✓	10.4	17, C ✓	24 ✓	A17 ✓	17 ✓		17 ✓	161 ✓		17 ✓	717 ✓	
18	450	632 ✓	235 ✓	66 ✓	*12.5	18 ✓	25 ✓	A18 ✓	18 ✓		18 ✓	162 ✓		18 ✓	718 ✓	
19	350	753 ✓	236 ✓	67 ✓	13.5	19 ✓	26 ✓	A19 ✓	19 ✓		19 ✓	163		19 ✓	719 ✓	
20	250	474 ✓	237 ✓	60 ✓	14.4	20 ✓	27, 28 ✓	A20 ✓	20 ✓		20 ✓	164		20 ✓	720 ✓	
21	150	771 ✓	242 ✓	61 ✓	15.7	21 ✓	29 ✓	A21 ✓	21 ✓		21 ✓	165		21 ✓	721 ✓	
22	100	385, A37 ✓	243 ✓	62 ✓	16.9	22 ✓	30 ✓	A22 ✓	22 ✓		22 ✓	166		22 ✓	722 ✓	
23	60	294 ✓	244 ✓	63 ✓	18.3	23, D ✓	31 ✓	A23 ✓	23A, 23B ✓		23 ✓	167		23 ✓	723 ✓	
24	5	264 ✓	247 ✓	64 ✓	19.1	24 ✓	32 ✓	A24, A26 ✓	24 ✓		24 ✓	168		24 ✓	724 ✓	
Sampler Initials				CL			KFG	CP		DM	DM					

* the bubble {on 217 on bot. 6 / on 229 on bot. 14

* pH before O2 on Bot. 18
Broken upper hose clamp on bottle #2