

Robbins - Ocean Acidification Research Cruise

May 8th - May 15th, 2012

Carl Taylor

Date	Time	Location	Bottle	Temperature (°C)	Salinity	Notes	Sampler
May 8 th 2012	1035		1	26.42	35.94		CAT
	1229		2	25.57	36.65		CAT
	1326		3	25.40	36.76		CAT
	1505		4	25.51	36.9		CAT
	1627		5	25.44	36.88		CAT
	1828		6	25.25	36.72		CAT
	1929		7	26.11	36.57		CAT
	2032		8	25.9	36.71		CAT
	2142		9	25.81	36.73	Vacuum grease didn't take emptied bottle & redid because it got in sample bottle	CAT
	2251		10	25.74	36.69		BY
09 May 2012	0004		11	25.67	36.64		LDW

5/19/12

Date	Time	Location	Bottle	(°C) Temperature	Salinity	Notes	Sampler
May 19 th 2012	100		12	25.16	36.73	hose was was free from sensor bucket	CAT
	100		12 dup	25.16	36.73		CAT
	0204		13	25.98	36.78		BW
	03:13		14	25.96	36.69		SM
	04.00		15	25.79	36.69		JB
4-Mar-2012	0500		16	25.46	36.66		D
	612		17	25.39	36.60		CAT
	720		18	25.32	36.35		CAT
	845		19	25.38	36.13		CAT
	952		20	25.21	36.27		CAT
	1114		21	25.13	36.05		CAT

Date	Time	Location	Bottle	(°C) Temperature	Salinity	Notes	Sampler
May 9 th 2012	1226		22	25.67	35.97		CAT
	1346		23	25.72	36.04		LPW
	1458		24	25.83	36.56		CAT
	1458		24 dup	25.83	36.56		CAT
	1639		25	25.86	36.39		CAT
	1743		26	26.01	36.58		LPW
5/10	0058	DSH09	27			Bottle 12 depth 2 Cast 2	TOP CAT
5/10	2307	↓	28			Bottle 6 depth 1200 Cast 1	MID CAT
5/10	2307	↓	29			Bottle 2 depth 2300 Cast 1	BOT CAT
5/10	C21022	DWH	30			Bottle 12 depth 2 Cast 2	TOP
	C1 815	↓	31			Bottle 8 depth 150 Cast 1	MID

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5/10/12	815	DWH	32			Bottle 2 depth 2 Cast 1	Bot CAT
	1018	↓	33			Bottle 10 depth 25 Cast 2	CTOP CAT
	1015		34			Bottle 8 depth 40 Cast 2	CMid CAT
	1012		35			Bottle 6 depth 50 Cast 2	CBot CAT
	2157		DSH10	36			Bottle 2 depth 2 Cast 2
	2157		36dup			duplicate	CAT
	2232		37			Bottle 8 depth 750 Cast 1	Mid CAT
	2022		38			Bottle 2 depth 1510 Cast 1	Bot CAT
	2154		39			Bottle 10 depth 20 Cast 2	CTOP CAT
	2154		40			Bottle 8 depth 40 Cast 2	CMid CAT
	2146		41			Bottle 6 depth 50 Cast 2	CBot CAT

Cast 2 vents open
→ exposed to atm

Date	Time	Location	Bottle	(°C) Temperature	Salinity	Notes	Sampler
5/10/12	2324		42	24.66	34.58	3, R=2.21067 } Spectrophotometer 5, R=2.212347 } PH	CAT
5/11/12	0306		43	24.71	33.46		CAT
	0848	DSH08	44			Bottle 12 depth 2 Cust 2 Using 60 µL of HgCl Top	CAT
	653		45			Bottle 10 depth 400 Cust 1 * Small leak in CTD bottle @ M.2 Structure stuck	CAT
	653		46			Bottle 2 depth 1100 Cust 1 Bot	CAT
	0848		47			Bottle 9 depth 25 Cust 2 Using of HgCl	CAT
	0848		48			Bottle 8 depth 37 Cust 2 60 µL CMCk	CAT
	0848		48dup			duplicate	CAT
	0836		49			Bottle 6 depth 50 Cust 2 C Bot	CAT
	1248	DSH07	50			Bottle 11 depth 2 Cust 2	CAT
	1100 1100		51			Bottle 5 depth 200 Cust 1	CAT

Date	Time	Location	Bottle	Temperature	Salinity	Notes	Sampler
May 11 th 2012	1056	DSH07	52			Bottle 2 depth 400 Cast 1	Bot CAT
May 12 th 2012	0143 0043	PCB04	53			Bottle 12 depth 2 Cast 2	Top CAT
	0023	↓	54			Bottle 9 depth 100 Cast 1	CBot Mid CAT
	0623		55			Bottle 2 depth 200 Cast 1	Bot CAT
	0133		56			Bottle 2 depth 50 Cast 2	CTop CAT
	0023		57			Bottle 11 depth 70 Cast 1	CMax CAT
	0243		Surface	58	24.06	35.84	14: R=2.194071 15: R=2.205503
	0668		59	24.57	35.85		CAT
1109		PCB03	60 & dup			Bottle 11 depth 2 Cast 2	Top CAT
0955		↓	61			Bottle 6 depth 50 Cast 1	Mid CMAX CAT
0955			62			Bottle 2 depth 100 Cast 1	Bot CBot CAT

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May 12 2012	0955	PCB03	63			Bottle 2 depth 20 Cast 1	CTOP CAT
May 13 2012	0716	PCB01	64			Bottle 12 depth 2 Cast 1	TOP CAT
	0709	↓	65			Bottle 6 depth 10 Cast 1	MID CAT
	0705		66			Bottle 2 depth 18 Cast 1	BOT CAT
	1225		PCB02	67			Bottle 12 depth 2
	1218	↓	68			Bottle 7 depth 15	MID CAT
	1214		69			Bottle 12 depth 36.6	BOT CAT
	1909		70	25.04	35.18	PH Sample 1 R = 2.27485 2 R = 2.291426	CAT
13 MAY 2012	2157		71	25.74	36.43		D
14 MAY	0000		72	25.43	36.46		TD
	0305		73	25.42	36.46		CAT

Date	Time	Location	Bottle	Temperature	Salinity	Notes	Sampler
May 11 th 2012	0622	Surface	74	24.86	34.48		CAO
	0954	PCB05	75			Bottle 2 depth 2 Cast 2	Top CAT
	0736	↓	76			Bottle 5 depth 100 Cast 1	M/C CAT
	0733 0733	↓	77			Bottle 2 depth 200 Cast 1	Bot CAT
	1338	Surface	78	26.05	35.8		CAT
		PCB06	79 & dup			Bottle depth Cast	CAT
		↓	80			Bottle depth Cast	CAT
		↓	81			Bottle depth Cast	CAT
	1453	Surface	79 dup	26.18	35.68		CAT
	2306	PCB11 Surface	80	25.26	36.14	CTD broken, took flowthrough at surface	CAT
	0207	PCB06 Surface	81	25.40	35.84	CTD broken, took flowthrough at surface	JB

Date	Time	Location	Bottle	Temperature	Salinity	Notes	Sampler
15-MAY-2002	0602		82	24.55	36.18		TD
	0654		83	24.34	35.34		CAT
	0810		84	24.54	35.10		CAT
	0921		85	24.72	33.99		CAT
	1055		86	24.31	33.34		CAT

12BHM03