

Cruise: 0c-415-4		Time in 1530(2)	Date in 1-Sep-05	Lat in 29° 45.906	Long In 69 14.354	Leg Tracer 2	Type CTD
Cast #: 02		Time out 1530(2) → 1623	Date out 1-Sep-05	Lat out 29.7654	Long Out 69.24832	Depth 1200	Station 0c415402
Bottle # / Draw Temp		Depth	Oxygen	Oxygen Rep	Nut	Samples: Washen	
1	28.3	3	X	2/3	0c-415-4-1		
2		20			-2		
3	23.2	40	X		-3		
4		60			-4		
5		70			-5		
6		80			-6	Sal # F21	
7		90			-7	Sal F22	
8		100			-8		
9		110			-9		
10		120			-10		
11		130			-11		
12		140			-12		
13		200			-13		
14		300			-14		
15		400			-15		
16		500			-16		
17		600			-17		
18		700			-18		
19		800			-19		
20		850			-20		
21	13.5	900	X		-21		
22		1000			-22		
23		1100			-23		
24	* 10.9	1200	X	X	-24		

* = Le-Ref

Note - Forgot to shake & Seal On After 20 mins

Cruise: OC-415-4	Time in ⁽²⁾ 1922	Date in ⁽²⁾ 02-Sep-05	Lat in 29°43'22	Long In 67 14.47	Leg Trace 2	Type CTD
Cast #: 6	Time out ⁽²⁾	Date out	Lat out	Long Out	Depth 1200M	Station CTD06
Bottle # / Draw Temp	Depth (m)	Oxygen	Oxygen Rep	Nut		
1 28.6	30 3	10	11, 12	OC-415-4-25		
2	20			-26		bottle leaking
3	40	●		-27		
4 22.2	60	● ● 13		-28		
5	70			-29		
6	80			-30		
7	90			-31		
8	100			-32		
9	110			-33		
10	120			-34		leak
11	130			-35		
12	140			-36		
13	200			-37		
14	300			-38		
15	400			-39		
16	500			-40		
17	600			-41		
18	700			-42		
19	800			-43		
20 14.7	850	15		-44		
21	900	15		-45		
22	1000			-46		
23	1100			-47		
24 11.2	1200	16		-48		

ADRIANT						
Cruise: DC415-4	Time in 1439	Date in 03 Sep 05	Lat in 29-43.93	Long In 69-20.83	Leg 4	Type Trace metal
Cast #: CTD007	Time out	Date out	Lat out	Long Out	Depth 1200	Station CTD007
Bottle # / Draw Temp	Depth / Press dBar	Oxygen	Oxygen Rep	Nut		
1 29.0	3	1	2,3	DC-415-4-49		
2	20			-50	Leaky	
3 23.9	40	4		51		
4	60			52		
5	70			53		
6	80			54		
7	90			55		
8	100			56		
9	110			57		
10	120			58		
11	130			59		
12	140			60		
13	200			61		
14	300			62		
15	400			63		
16	500			64		
17	600			65		
18	700			66		
19	800			67		
20	900 800			68		
21 13.1	100 900	5		69		
22	1000			70		
23	1100			71		
24 10.4	1200	6		72		

25 27 36

Cruise: 0C-415-4	(2) Time In 1548	(2) Date in 4-SEP-25	Lat in 30 27.543	Long In 70 12.843	Leg T1acw#2	Type CTD/T1-acw#2
Cast #: 8	Time out	Date out	Lat out	Long Out	Depth 1200	Station CTD008
Bottle # / Draw Temp	Depth	Oxygen	Oxygen Rep	Nut		
1	28.7 3	21	22, 23	0C-415-4-73		
2	20			-74	leaker	
3	24.7 40	24		75		
4	60			76		
5	70			77		
6	80			78		
7	90			79		
8	100			80		
9	110			81		
10	120			82	leaker	
11	130			83		
12	140			84		
13	200			85		
14	300			86	leaker	
15	400			87		
16	500			88		
17	600			89		
18	700			90		
19	14.0 800	26		91		
20	850			92		
21	900			93		
22	1000			94		
23	1100			95		
24	10.9 1200	28 27		96		

Cruise: 00-415-4	Time in 1824	Date in 5-Sep-05	Lat in 29 24.950	Long In 69 26.947	Leg Tracord	Type CTD
Cast #: 9	Time out	Date out	Lat out	Long Out	Depth 4500	Station CTD 009
Bottle # / Draw Temp	Depth	Oxygen	Oxygen Rep	Nut		
1 24.5	0	21	22, 23	00-415-04-97		
2	20			98		
3 24.5	40	24		99	Leaker	
4	60			100		
5	70			101		
6	80			102		
7	90			103		
8	100			104		
9	110			105		
10	120			106		
11	130			107		
12	140			108		
13	200			109		
14	300			110		
15	400			111		
16	500			112		
17	600			113		
18	700			114		
19	800			115		
20 14.8	850	25 26		116		
21	900			117		
22	1000			118		
23	1100			119		
24 11.4	1200	25 28		120		

Cruise: OC-415-4	Time in ⁽²⁾ 1746	Date in 6-SEPT-05	Lat in 70-22-46 ^E	Long In 2953.43	Leg TRACER2	Type CTD
Cast #: CTD10	Time out	Date out	Lat out	Long Out	Depth 1200	Station CTD10
Bottle # / Draw Temp	Depth	Oxygen	Oxygen Rep	Nut		
1 28.5	0	29	30,31	OC-415-4-121		
2	20			122		
3 24.0	40	32		123		
4	60			124		
5	70			125		
6	80			126		
7	90			127		
8	100			128		
9	110			129		
10	120			130		
11	130			131		
12	140			132		
13	200			133		
14	300			134		
15	400			135		
16	500			136		
17	600			137		
18	700			138		
19 13.9	800	33		139		
20	850			140		
21	900			141		
22	1000			142		
23	1100			143		
24 10.6	1200	34		144		

Cruise: 00-415-4	Time in (2) 1604	Date in 8 Sep 05	Lat in 24° 41.343	Long In 69° 31.776	Leg Track 2	Type CTD
Cast #: CTD 012	Time out	Date out	Lat out	Long Out	Depth (du)	Station 00-415-4-12
Bottle # / Draw Temp	Depth	Oxygen	Oxygen Rep	Nut		
1 28.2 / 30.4	0	21	22, 23	00-415-04-145		
2	20			-146		
3 23.4 / 30.4	40	24		-147		
4	60			-148		
5	70			-149		
6	80			-150		
7	90			-151		
8	100			-152		
9	110			-153		
10	120			-154		
11	130			-155		
12	140			-156		
13	200			-157		
14	300			-158		
15	400			-159		
16	500			-160		
17	600			-161		
18	700			-162		
19 14.3	800	26		163		
20 14.3	850	26		164		
21	900	26		-167		
22	1000			-166		
23	1100			-167		
24 10.9	1200	28		-168		

UN #2 - 29, 30, 31 Draw Temp - 28.4

Cruise: 0c-415-4	Time in 2008	Date in 8-Sep-05	Lat in 29 42.008W	Long In 67 38.07W	Leg TACA 2	Type CTD
Cast #: CTD 14	Time out	Date out	Lat out	Long Out	Depth 1200	Station CTD 14
Bottle # / Draw Temp	Depth	Oxygen	Oxygen Rep	Nut		
1	3			0c-415-4-169		
2	20			-170		
3	40			-171		
4	60			-172		
5	70			-173		
6	80			-174		
7	90			-175		
8	100			-176		
9	110			-177		
10	120			-178		
11	130			-179		
12	140			-180		
13	200			-181		
14	300			-182		
15	400			-183		
16	500			-184		
17	600			-185		
18	700			-186		
19	800			-187		
20	850			-188		
21	900			-189		
22	1000			-190		
23	1100			-191		
24	1200			-192		

Cruise: 00-415-4	Time in 1343	Date in 9-SEPT-07	Lat in 29 44.329	Long In 69 17.318	Leg TRAVER 2	Type ^{CTD} 00415415
Cast #: 15	Time out	Date out	Lat out	Long Out	Depth 1200m	Station 00415415
Bottle # / Draw Temp	Depth	Oxygen	Oxygen Rep	Nut		
1	3			00-415-4-193		
2	20			-194	Leaker	
3	40			-195		
4	60			-196		
5	70			197		
6	80			198		
7	90			199		
8	100			200		
9	110			201		
10	120			202		
11	130			203		
12	140			204		
13	200			205		
14	300			206		
15	400			207		
16	500			208		
17	600			209		
18	700			210		
19	800			211		
20	850			212		
21	900			213	Leaker	
22	1000			214		
23	1100			215		
24	1200			216		

Cruise: OC-415-4	Time in ⁽²⁾ 01-Sep-05	Date in 1534	Lat in 29 42.041	Long In 69 23.858	Leg Tracend	Type CTD
Cast #: 16	Time out	Date out	Lat out	Long Out	Depth 200	Station OC415-416
Bottle # / Draw Temp	Depth	Oxygen	Oxygen Rep	Nut		
1	3			OC-415-4-217		
2	20			-218		
3	40			-219		
4	60			-220		
5	70			-221		
6	80			-222		
7	90			-223		
8	100			-224		
9	110			-225		
10	120			226		
11	130			227		
12	140			228		
13	200			229		
14	300			230		
15	400			231		
16	500			232		
17	600			233		
18	700			234		
19	800			235		
20	850			236		
21	900			237		
22	1000			238		
23	1100			239		
24	1200			240		

Cruise:	Time in	Date in	Lat in	Long In	Leg	Type
Cast #:	Time out	Date out	Lat out	Long Out	Depth	Station
Bottle # / Draw Temp	Depth	Oxygen	Oxygen Rep	Nut		
OC-4154	(3) 1730	09-Sep-05	29° 39.94	069° 30.51	T12-2	CTD
17					1200	CTD017
1	28.4	32	33, 34	OC-415-04-241		
2	20			-242		
3	23.9	35		-243		
4	60			-244		
5	70			245		
6	80			246		
7	90			247		
8	100			248		
9	110			249	-Leaker	
10	120			250		
11	130			251		
12	140			252		
13	200			253		
14	300			254		
15	400			255		
16	500			256		
17	600			257		
18	700			258		
19	800			259		
20	14.0	37		260		
21	900			261		
22	1000			262		
23	1100			263		
24	10.2	38		264		

Cruise: 0415-4	Time in (2) 1415	Date in 11-Sep-05	Lat in	Long In	Leg Tracer 2	Type CTD
Cast #: #1 #19	Time out	Date out	Lat out	Long Out	Depth 1500	Station 0415-419
Bottle # / Draw Temp	Depth	Oxygen	Oxygen Rep	Nut		
1 28.2	3	1	2, 3	04-415-4-265		
2	20			266		
3 22.5	40	4		267		
4	60			268		
5	70			269		
6	80			270		
7	90			271		
8	100			272		
9	110			273		
10	120			274		
11	130			275		
12	140			276		
13	200			277		
14	300			278		
15	400			279		
16	500			280		
17	600			281		leaking
18	700			282		
19	800			283		
20	850			284		
21 12.9	900	5		285		
22	1000			286		
23	1100			287		
24 9.5	1200	6		288		

Cruise: OC-415-4	Time in 1755	Date in 1-SEP-07	Lat in 29°37.56	Long In 69°47.48	Leg T/21a	Type CTD
Cast #: 20	Time out	Date out	Lat out	Long Out	Depth 1200m	Station CTD020
Bottle # / Draw Temp	Depth	Oxygen	Oxygen Rep	Nut		
1	3			OC-415.4-289		
2	20			296		
3	40			291		
4	60			292		
5	70			293		
6	80			294		
7	90			295		
8	100			296		
9	110			297		
10	120			298		
11	130			299		
12	140			300		
13	200			301		
14	300			302		
15	400			303		
16	500			304		
17	600			305		
18	700			306		
19	800			307		
20	850			308		
21	900			309		
22	1000			510		
23	1100			511		
24	1200			512		

Cruise: 0c416-4	Time in ⁽²⁾ 2030	Date in 11-Sep-07	Lat in 29 37.531	Long In 069° 57.438	Leg Trawl 2	Type CTD
Cast #: 021	Time out	Date out	Lat out	Long Out	Depth 1200	Station CTD021
Bottle # / Draw Temp	Depth	Oxygen	Oxygen Rep	Nut		
1	3			0c-416-4-313		
2	20			314		
3	40			315		
4	60			316		
5	70			317		
6	80			318		
7	90			319		
8	100			320		
9	110			321		
10	120			322		
11	130			323		
12	140			324		
13	200			325		
14	300			326		
15	400			327		
16	500			328		
17	600			329		
18	700			330		
19	800			331		
20	850			332		
21	900			333		
22	1000			334		
23	1100			335		
24	1200			336		