

June 2011

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July

Tow# EX110362 - Tow 02-110717Operating Area: Galapagos Spreading Center

Julian Day	Time (UTC)	Ship Position <u>0</u> ° Lat.	Ship Position <u>88</u> ° Long.	CTD Depth	Wire Out (or range)	Altitude	Setback	Comments
199	00:05:11	43.6682	11.519	-	-	-	-	Launch
199	00:43:57	43.6525	11.4209	1434.60	1937	19.634	96	
199	00:47:01	43.6514	11.4093	1826.41	1829.62	119.95	108	0.5 Kts
199	00:50:43	43.6571	11.3779	1934.58	1939.07	20.415	132	
199	00:53:49	43.6531	11.3520	1834.29	1840.17	120.04	147	
199	00:57:16	43.6523	11.3230	1944.55	1954.8	17.778	200	
199	01:00:18	43.6512	11.2984	1843.70	1854.35	121.66	198	
199	01:03:47	43.6510	11.2691	1950.26	1963.58	19.501	228	
199	01:07:15	43.6529	11.2415	1834.41	1849.02	128.-	232	
199	01:10:44	43.6526	11.2116	1950.4	1967.55	18.364	259	
199	01:13:50	43.6512	11.1857	1840.31	1856.85	123.712	247	
199	01:17:03	43.6517	11.1593	1945.17	1965.03	20.171	279	
199	01:20:18	43.6512	11.1315	1834.55	1854.02	121.563	268	
199	01:24:17	43.6502	11.0991	1943.47	1965.27	18.950	292	
199	01:27:07	43.6506	11.0755	1830.9	1854.12	122.93	293	

Cruise: Vents2011 - EX - Galapagos

Navigation Log

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June 2011

July

Tow#

EX110312 - TOW02 - 110717

Operating Area:

Galapagos Spreading Center

Julian Day	Time (UTC)	Ship Position <u>12</u> ° Lat.	Ship Position <u>88</u> ° Long.	CTD Depth	Wire Out (or range)	Altitude	Setback	Comments
199	013147	43.6500	11.0362	1939	1964	13	312	
199	013647	43.649	10.993	1827	1853	127.3	309	
199	014038	43.649	10.957	1949	1978	14.8	337	
199	01:43:43	43.6484	10.9253	1838.52	1868.52	124.08	333	
199	01:46:48	43.6483	10.8950	1947.02	1981.98	15	371	
199	01:49:52	43.6478	10.8639	1830.5	1866.15	126	363	
199	01:52:47	43.6472	10.8344	1934.95	1975.17	19.438	396	
199	01:55:50	43.6473	10.8038	1828.72	1868.05	121.758	381	
199	01:59:10	43.648	10.771	1938.40	1979.57	18.901	402	
199	02:02:10	43.646	10.741	1831.162	1875.2	121.563	404	
199	02:05:13	43.646	10.712	1943.46	1988.13	17.827	419	
199	02:08:02	43.645	10.682	1831.245	1876.65	126.545	410	
199	02:11:17	43.645	10.650	1940.998	1986.63	17.226	433	
199	02:14:21	43.6449	10.619	1828.726	1875.57	121.221	417	
199	02:17:24	43.6450	10.5689	1930.52	1978.23	18.657	432	

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Julian Day	Time (UTC)	Ship Position <u>0</u> ° Lat.	Ship Position <u>88</u> ° Long.	CTD Depth	Wire Out (or range)	Altitude	Setback	Comments
199	2:20:50	43.6449	10.5576	1815.15	1866.13	121.709	433	
199	2:23:40	43.6451	10.5258	1923.2243	1975.33	17.192	410	
199	2:26:37	43.6444	10.4978	1818.5388	1870.07	121.856	436	
199	2:29:32	43.6440	10.4684	1929.2113	1983.27	19.096	460	
199	2:32:00	43.6434	10.4431	1824.3072	1878.35	127.082	447	
199	2:34:45	43.6431	10.4151	1932.908	1987.57	16.557	463	
199	2:37:45	43.6438	10.3869	1819.008	1874.37	124.516	452	
199	2:40:37	43.6433	10.3574	1927.939	1982.57	18.950	462	
199	2:43:39	43.6426	10.3274	1816.4007	1871.18	123.272	449	
199	2:47:02	43.6426	10.2926	1930.265	1987.43	20.317	473	
199	2:50:04	43.6413	10.2630	1828.339	1884.68	124.591	457	
199	2:53:11	43.6410	10.2319	1938.139	1995.4	16.703	475	
199	2:56:11	43.6412	10.2018	1823.451	1879.88	128.059	457	
199	2:59:28	43.6399	10.1676	1932.4111	1990.05	19.045	475	
199	3:01:43	43.6400	10.1476	1869.074	1926.85	82.993	468	Stopped to get water. Hauling in CTD

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Tow# EX110342-TOW02-110717

Operating Area: Galapagos Spreading Center

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