

Voltage 4 & 6 cables swapped with new ones at beginning of cruise. V4 & V6 - SDC cable.
 • When AH. Failed, used mb depth & stopped bottom 40's @ 30 mab for safety
 • V4 failed at surface. ORP failed @ 1000m
 • 120 mab not high enough - watched data from V6 & stopped when out of plume.

Cruise: Vents2011 - EX - Galapagos

Navigation Log

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• Replaced V4 cable after tow.

Tow# EX1103L2-TOW01-110716

Operating 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
198	024214	44.21	18.555	100	99.4	200		At 100 m depth. Voltage 4 not working
198	025843	44.2257	18.5540	1000	1043	200		Bridge moving @ 0.5 m/s ORP stopped working
198	031240	44.2164	18.4452	1807		—		Alt went to 0.0m
198	031424	44.2153	18.4411	1943	1951	—		stop 30 mab according to MB. No Alt.
198	031936	44.21	18.3965	1744.8	1755	—		Aiming for 120 mab for top of 40's.
198	032441	44.208	18.355	1947.11	1960.38	—		USB off/on
198	032756	44.205	18.326	1845	1860	—		
198	033019	44.2047	18.3092	1939.4	1953.67	—		
198	033335	44.20	18.27	1813	1831	—		top of 40 when LSS returns to baseline - ^{out of} plume
198	033720	44.199	18.250	1932	1949	—		
198	034009	44.198	18.226	1811	1831.5	—		
198	034333	44.196	18.199	1942.6	1963	—		
198	034620	44.193	18.1766	1825	1846	—		
198	034925	44.191	18.1501	1943	1966	—		
198	035219	44.189	18.122	1816	1837	—		

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198	035534	44.181	18.0983	1943	1966	—		
198	035850	44.186	18.074	1817	1840.43	—		
198	040136	44.184	18.050	1932	1955.8	—		
198	040429	44.182	18.025	1810.02	1833	—		
198	040715	44.181	18.600	1935	1959.23	—		
198	041036	44.171	17.974	1817	1840	—		
198	041322	44.174	17.950	1934	1959	—		
198	041744	44.175	17.915	1763	1783	—		
198	042149	44.174	17.881	1935	1959	—		
198	042434	44.172	17.858	1836	1852	—		
198	042726	44.171	17.835	1936	1958	—		Bad USBL tracking
198	043005	44.169	17.812	1831	1853	—		
198	043253	44.168	17.781	1936	1958	—		
198	043510	44.167	17.770	1845	1865	—		break for CTD operator
198	043900	44.16	17.74	1928	1947	—		

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Tow# EX110322-TOW01-110716

Operating Area: Galapagos Spreading Center

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#MOI

Operating Area:

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