

James Cowen  
April 1, 2009

OCE-0222069, 9°N EPR  
Cruise ID: TCS06NH

**Data Products:**

Cowen: New Horizon May 2006 Response cruise to 9oNEPR eruption

Data Set	Investigator	Status	Folder	Related Refs
Potograph: WebGallery	Fornari, Daniel	Provided		
Current Trajectory	Thurnherr, Andreas	Provided		
Chemistry: Towed cast	Cowen, James	Provided	CTD, WaterColumnChem	a, b, c
Chemistry: vertical cast	Cowen, James	Provided	CTD, WaterColumnChem	a, b, c
Chemistry: TowCam (methane)	Cowen, James	Provided	CTD, WaterColumnChem	a, b, c
Current Measurement	Fornari, Daniel	Provided		d
Navigation (sled: towCam)	Fornari, Daniel	Provided		d
Photograph	Fornari, Daniel	Provided		d
CTD (TowCam)	Fornari, Daniel	Provided		a
Electrochemistry	Glazer, Brian	Requested/in progress		b

- a. Love et al., 2008
- b. Cowen et al. 2007
- c. Tolstoy et al. 2006
- d. Soule et al. 2007

\*Electrochemical data is still being prepared, and will be provided by Dr. Brian Glazer by June 1, 2009.

**References:**

- (a) Love, B. A., J.A. Resing, J.P. Cowen, J.E. Lupton, D.J. Fornari, T.M. Shank, and D. Biller, "*Methane, manganese, and helium in hydrothermal plumes following volcanic eruptions on the East Pacific Rise near 9°50'N*", Geochemistry, Geophysics, Geosystems (G-cubed), 9: , 2008, DOI 10.1029/2008GC002104.  
View Related Data Sets
- (b) Cowen, J.P., D. J. Fornari, T. M. Shank, B. Love, B. Glazer, A. Treusch, C. Holmes, S.A. Soule, E. T. Baker, M. Tolstoy, K.R. Pomraning (2007). Volcanic Eruption at the East Pacific Rise Near 9° 50'N. EOS 88 (07), 81, 83.
- (c) Tolstoy, M., J. P. Cowen, E. T. Baker, D.J. Fornari, K.H. Rubin, T.M. Shank, F. Waldhauser, D.R. Bohnenstiehl, D.W. Forsyth, R.C. Holmes , M.R. Perfit, R.T. Weekly, B. Glazer (2006). A Seafloor Spreading Event Captured by Seismometers. Science 22, 1920-1922.
- (d) Soule, S.A., D.J. Fornari, M.R. Perfit, K.H. Rubin, "*New insights into mid-ocean ridge volcanic processes from the 2005-2006 eruption of the East Pacific Rise, 9°46'N - 9°56'N*", Geology, 35(12): 1079-1082, 2007, DOI 10.1130/G23924A.1.