

## **MICHAEL ROBERT HISCOCK**

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### **PROFESSIONAL PREPARATION**

Duke University	Biology	B.S.	1996
Duke University	Biological Oceanography	Ph.D.	2004
Princeton University	Climate Change Modeling		2004 – 2005

### **APPOINTMENTS**

Research Associate, Atmospheric and Oceanic Sciences Program, Princeton University, 2004 – present  
Senior Research Assistant, Atmospheric and Oceanic Sciences Program, Princeton University, 2004

### **PUBLICATIONS (closely related)**

- Hiscock, M.R., Smith, W.O., Jr., Dinniman, M.S., Bidigare, R.R., Barber, R.T., Modified Circumpolar Deep Water regulates primary productivity variability in the Ross Sea, submitted to *Limnology and Oceanography*.
- Coale, K.H., Johnson, K.S., Chavez, F.P., Buesseler, K.O., Barber, R.T., Brzezinski, M.A., Cochlan, W.P., Millero, F.J., Falkowski, P.G., Bauer, J.E., Wanninkhof, R.H., Kudela, R.M., Altabet, M.A., Hales, B.E., Takahashi, T., Landry, M.L., Bidigare, R.R., Chase, Z., Strutton, P.G., Friederich, G.E., Gorbunov, M.Y., Lance, V.P., Hilting, A.K., Hiscock, M.R., Demerest, M., Hiscock, W.T., Sullivan, K.A., Tanner, S.J., Gordon, R.M., Hunter, C.L., Elrod, V.A., Fitzwater, S.E., Tozzi, S., Koblizek, M., Roberts, A.E., Herndon, J., Timothy, D., Brown, S.L., Selph, K.E., Sheridan, C.C., Twining, B.S., Johnson, Z.I., 2004. Southern ocean iron enrichment experiment: Carbon cycling in high- and low-Si waters. *Science* 304, 408-414.
- Hiscock, M.R., Marra, J., Smith, W.O., Jr., Goericke, R., Measures, C., Vink, S., Olson, R.J., Sosik, H.M., Barber, R.T., 2003. Primary productivity and its regulation in the Pacific Sector of the Southern Ocean. *Deep-Sea Research II* 50, 533-558.
- Buesseler, K.O., Barber, R.T., Dickson, M.-L., Hiscock, M.R., Moore, J.K., Sambrotto, R., 2003. The effect of marginal ice-edge dynamics on production and export in the Southern Ocean along 170°W. *Deep-Sea Research II* 50, 579-603.
- Nelson, D.M., Anderson, R.F., Barber, R.T., Brzezinski, M.A., Buesseler, K.O., Chase, Z., Collier, R.W., Dickson, M.-L., François, R., Hiscock, M.R., Honjo, S., Marra, J., Martin, W.R., Sambrotto, R.N., Sayles, F.L., Sigmon, D.E., 2002. Vertical budgets for organic carbon and biogenic silica in the Pacific sector of the Southern Ocean, 1996-1998. *Deep-Sea Research II* 49, 1645-1674.

### **PUBLICATIONS (significant)**

- Hiscock, M.R., 2004. Regulation of Primary Productivity in the Southern Ocean. Ph.D. thesis, Duke University, pp. 174.
- Smith, W.O., Jr., Marra, J., Hiscock, M.R., Barber, R.T., 2000. The seasonal cycle of phytoplankton biomass and primary productivity in the Ross Sea, Antarctica. *Deep-Sea Research II* 47, 3119-3140.

### **SYNERGISTIC ACTIVITIES**

- Developing new course (Biological Oceanography) at Princeton University with Professor Bess B. Ward  
Instructor of Biological Oceanography section in undergraduate course at Princeton University  
Invited to attend the International SOLAS summer school – a cross-fertilization of 100 students and scientists spanning oceanographic and atmospheric disciplines. Organized by Corinne Le Quéré. 2003
- Invited to attend the symposium and training course “Biogeochemistry of the Arabian Sea: Synthesis and Modelling.” Organized by Trevor Platt and Shubha Sathyendranath. 1999

## COLLABORATORS AND CO-EDITORS

Altabet, M.A.	University of Massachusetts	Hunter, C.L.	MLML
Anderson, R.F.	Lamont-Doherty Earth Observatory (LDEO)	Jacobson, A.R.	Princeton University
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Chavez, F.P.,	Monterey Bay Aquarium Research Institute (MBARI)	Measures, C.	University of Hawai'i
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Demarest, M.	UCSB	Olson, R.J.	WHOI
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Goericke, R.	Scripps Institution of Oceanography (SIO)	Sosik, H.M.	WHOI
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Hilting, A.K.	Duke University	Timothy, D.	University of Massachusetts
Hiscock, W.T.	University of Miami	Tozzi, S.	VIMS
Honjo, S.	WHOI	Twining, B.S.	University of South Carolina
		Vink, S.	Univeristy of Hawai'i
		Wanninkhof, R.H.	Atlantic Oceanographic and Meteorological Laboratory

## GRADUATE AND POSTDOCTORAL ADVISORS

Richard T. Barber	Duke University	Ph.D. advisor
Jorge L. Sarmiento	Princeton University	Postdoctoral advisor

## THESIS ADVISOR AND POSTGRADUATE-SCHOLAR SPONSOR

Not applicable