

CIRRICULUM VITAE

SHEILA GRIFFIN

Specialist III
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EDUCATION:

B.A. Anthropology, San Diego State University, San Diego, CA., 1973
Graduate Course Work in Anthropology, San Diego State University, 1973-1975
Course Work - Inorganic Chemistry, Math, Oceanography and Computer classes,
Cape Cod Community and Bridgewater State College, MA., 1982-1984

PROFESSIONAL EXPERIENCE:

University of California, Irvine, Department of Earth System Science:
Specialist III 2004- present
Specialist II 2001- 2004
Specialist I 1995-2001
Associate Specialist 1993-1995
Woods Hole Oceanographic Institution, Dept of Marine Chemistry and Geochemistry
Research Associate, 1987-1993
Research Assistant III, 1983-1987
Research Assistant II, 1981-1983
University of California, San Diego, CA, La Jolla Radiocarbon Laboratory
Laboratory Assistant II, 1978-1981
San Diego State University, San Diego, CA, Anthropology Department
Graduate Assistant, 1973-1975
University of California, San Diego, CA, La Jolla Tritium Laboratory
Laboratory Assistant I, 1970-1973

AWARDS AND HONORS:

Linda Morse-Porteous Award, Woods Hole Oceanographic Institution, 1992

CRUISE PARTICIPATION AND SAMPLE COLLECTION:

1981 R/V *Melville*, Punta Arenas, Chile to Punta Arenas, Chile, 3 Jan. to 15 Feb
1983 Coral Coring Collection, The Keys, FL 7-11 March
1985 R/V *Oceanus*, Hamilton, Bermuda to Woods Hole, MA, 11-19 March
1985 R/V *Melville*, Honolulu, HI to Honolulu, HI, 5 October - 9 November
1987 R/V *Melville*, Honolulu, HI to San Diego, CA, 3 June - 11 July
1987 Coral Coring Collection, Fernando de Noronha, Brazil, 21 Oct. to 1 Nov
1988 Coral Coring Collection, Honolulu, HI, 30 October - 6 November
1988 Coral Coring Collection, Honolulu, HI, 30 November - 7 December
1990 Coral Coring Collection, Key Largo, FL, 19-25 August
1991 R/V *Iselin*, Belem, Brazil to Miami, FL, 25 November - 7 December
1991 R/V *Sirius*, Heron Is. to Hamilton. Is, Australia 9-17 May
1992 R/V *New Horizon*, San Diego, CA to San Diego, CA, 12 February to 4 March
1992 R/V *New Horizon*, San Diego, CA to San Francisco, CA, 15-27 October
1993 R/V *New Horizon*, Pt. Hueneme, CA to San Diego, CA, 14-22 July
1994 R/V *Atlantis II*, San Diego, CA to San Diego, CA, 13-26 September
1995 R/V *New Horizon*, San Diego, CA to San Diego, CA, 1-14 June

- 1995 R/V *Melville*, Chatham Isl to Dunedin, New Zealand, Dec. 11 to Jan. 6
 1996 R/V *New Horizon*, San Diego, CA to San Diego, 7-16 October
 1998 R/V *New Horizon*, San Diego, CA to Port Hueneme, CA, 22-27 April
 1998 R/V *New Horizon*, San Diego, CA to Monterey, CA, 20-25 August
 1998 R/V *New Horizon*, San Diego, CA to Port Hueneme, CA., 15-23 December
 1999 R/V *Melville*, Honolulu, HI to Honolulu, HI, 24 May – 15 June
 2000 R/V *Knorr*, Norfolk, VA to Norfolk, VA., June 9 – July 16
 2001 R/V *New Horizon*, San Diego to San Diego, CA June 13-19
 2001 R/V *New Horizon*, San Diego to San Diego, CA Aug. 15-28
 2001 R/V *Wecoma*, San Diego to San Diego, CA Oct 23-29
 2002 R/V *New Horizon*, San Diego to San Diego, CA Feb 20-27
 2002 R/V *New Horizon*, San Diego to San Diego, CA June 7-14
 2002 R/V *New Horizon*, San Diego to San Diego, CA Sept. 3-8
 2004 R/V *New Horizon*, San Diego to San Diego, CA Oct. 25- Nov. 3

FIVE PUBLICATIONS MOST PERTINENT TO THIS PROPOSAL

- Hwang, Jeomshik, Ellen R. M. Druffel, Sheila Griffin, Kenneth L. Smith, Jr., Roberta J. Baldwin, James E. Bauer (2004). Temporal variability of $\Delta^{14}\text{C}$ and $d^{13}\text{C}$ in sinking POC at a deep time-series station in the Northeast Pacific Ocean, *Global Biogeochemical Cycles*, in press.
- Bauer, J.E., E.R.M. Druffel, D. Wolgast and S. Griffin (2001), Cycling of dissolved and particulate organic radiocarbon in the Northwestern Atlantic continental margin. *Global Biogeochemical Cycles*, **15**, (3), 615.
- Bauer, J.E., E.R.M. Druffel, D. Wolgast, and S. Griffin, (2002) Temporal and regional variability of sources and cycling of DOC and POC in the Northwest Atlantic continental shelf and slope, *Deep-Sea Research II*, **49** (20): 4387-4419.
- Druffel, E.R.M., J.E. Bauer, S. Griffin and J. Hwang, (2003) Penetration of anthropogenic carbon into organic particles in the deep ocean, *Geophysical Research Letters*, **30**, 14, 1744, doi:10.1029/2003GL017423, 2003.
- Druffel, E. R. M., D. Donahue, S. Griffin and G. Burr (1995). Intercomparison of high-precision $\Delta^{14}\text{C}$ analyses using gas counting and AMS, *Radiocarbon*, **37**, 791-795.

FIVE OTHER PUBLICATIONS PERTINENT TO THIS PROPOSAL

- Griffin, S. M. and E. R. M. Druffel (1985). Woods Hole Oceanographic Institution Radiocarbon Laboratory: Sample treatment and gas preparation. *Radiocarbon*, **27**, 43-51.
- Griffin, S. and E.R.M. Druffel (1997). Preparation of inorganic and organic carbon for radiocarbon analysis from a single marine sample. *Radiocarbon*, **40**, 29-34.
- Williams, P. M., K. J. Robertson, A. Soutar, S. M. Griffin, and E. R. M. Druffel (1992). Isotopic signatures (^{14}C , ^{13}C , ^{15}N) as tracers of sources and cycling of soluble and particulate organic matter in the Santa Monica Basin. *Progress in Oceanography*, **30**, 253-290.
- Druffel, E.R.M., J.E. Bauer, P.M. Williams, S. Griffin and D. Wolgast (1996). Seasonal variability of radiocarbon in particulate organic carbon in the Northeast Pacific Ocean. *Journal of Geophysical Research*, **101**, 20543-20552.
- Adkins, J. A., et al. (2002) Methods for determining ages of deep-sea corals using ^{230}Th and ^{14}C dating, *Radiocarbon*, **44**, 567-580.