

BIOGRAPHICAL SKETCH: Duncan Carr Agnew

PROFESSIONAL PREPARATION

California Institute of Technology	Astronomy	BS, 1972
University of California, San Diego	Earth Sciences	PhD, 1979
CIRES, University of Colorado	Geophysics	PostDoc 1980

APPOINTMENTS

1990 - present	Professor/Research Geophysicist, Institute of Geophy. Planet. Phys. (IGPP), Scripps Institution of Oceanography (SIO), UC San Diego (UCSD)
1989 - 1990	Associate Professor/Research, IGPP, SIO, UCSD
1986 - 1989	Associate Research, IGPP, UCSD
1981 - 1986	Assistant Research, IGPP, UCSD

CLOSELY RELATED PRODUCTS

Agnew, D. C. (2015) Earth Tides, pp. 151-178, *Treatise on Geophysics, 2nd Edition: Geodesy*, T. A. Herring, ed., Elsevier, New York

Agnew, D. C. (2012) SPOTL: Some Programs for Ocean Tide Loading, <http://igppweb.ucsd.edu/agnew/Spotl/spotlmain.html>

Agnew, D. C. (2001) Map projections to show the possible effects of surface loading, *J. Geodetic Soc. Japan*, **47** 255-260.

Hart, R. H. G., M. T. Gladwin, R. L. Gwyther, D. C. Agnew, and F. K. Wyatt (1996) Tidal calibration of borehole strainmeters: removing the effects of local inhomogeneity, *J. Geophys. Res.*, **101**, 25553-25571.

Rojstaczer, S., Agnew, D.C. (1989) The influence of formation material properties on the response of water levels in wells to earth tides and atmospheric loading, *J. Geophys. Res.*, **94**, 12,403-12,411.

OTHER PRODUCTS

Shen, Z.-K., R. W. King, D. C. Agnew, M. Wang, T. A. Herring, D. Dong, and P. Fang (2011) A unified analysis of crustal motion in Southern California, 1970-2004: The SCEC Crustal Motion Map, *J. Geophys. Res.*, **116**, B11402.

SYNERGISTIC ACTIVITIES

Developed and distributed SPOTL package for computing ocean-tide loading.

Developed and distributed PITSA and BAYTAP08 packages for processing strain data.

Co-taught UNAVCO short course on working with strainmeter data in 2005, 2006, 2008, 2011, and 2015.

COLLABORATORS AND OTHER AFFILIATIONS (NOT AT UCSD)

Collaborators: E. Cochran (USGS) D. Dong (JPL), T. A. Herring (MIT), K. Hodgkinson (UNAVCO), S. Hough (USGS), R. King (MIT), D. Oglesby (UCRiverside) E. Roeloffs (USGS), Z-K. Shen (UCLA/NSF),

Co-Editors: J. Trampert (Utrecht), Y. Ben Zion (USC), X.-F. Chen (USTC), E. Fukuyama (NIED Tsukuba), G. Egbert (UOregon), E. Hauksson (Caltech), K. Heki (Hokkaido), J. Korenaga (Yale), A. Morelli (INGV-Bologna), M. Ritzwoller (UCBoulder), B. Vermeersen (Delft), J. Virieux (U J. Fourier)

Postdoctoral Sponsor: M. L. Smith (New England Research Inc.)

Former Students/PostDocs: N. E. King (USGS); K. L. Larson (U Colorado); H. Johnson (Prediction Company); G. Anderson (NSF). (4 graduate students total; no postdocs).