

Jean-Bernard Minster: Scripps UCSD

IGPP, Scripps Institution of Oceanography, UCSD, La Jolla, CA 92093-0225
jbminster@ucsd.edu, 619-534-5650, Fax 619-534-2902

1994-Present: Professor of Geophysics, Director, Systemwide, Institute of Geophysics and Planetary Physics

1995-present: Member, Committee on Environmental and Geophysical Data, National Research Council.

1993-present: Member, National Research Council Board on Earth Sciences and Resources

1990-present: Member, Board of Directors, Southern California Earthquake Center

Professional Associations & Memberships: American Geophysical Union, European Geophysical Union, Royal Astronomical Society, Seismological Society of America, Society of Exploration Geophysicists, European Geophysical Society, American Association for the Advancement of Science

Ph.D.: Geophysics, California Institute of Technology, 1974

Doctorat d'État : Géophysique, Université de Paris VII, 1974

5 Publications Related to the Proposed Project:

Baker, G.E., J.B. Minster, G. Zandt, and H. Gurrola, Constraints on crustal structure and complex Moho topography beneath Piñon Flat, California, from teleseismic receiver functions, *Bull. Seismol. Soc. Amer.*, **86**, 1830-1844, 1996.

Shkoller, S. and J. B. Minster, Reduction of Dietrich-Ruina attractors to unimodal maps, *Nonlinear Processes in Geophysics*, **4**, 63-69, 1997.

Xu, H., S. M. Day and J. B. Minster, Model for nonlinear wave propagation derived from rock hysteresis measurements, *J. Geophys. Res.*, **103**, 29915-29929, 1998.

Hofton, M. A., J. B. Blair, J.-B. Minster, J. R. Ridgway, N. P. Williams, J. L. Bufton and D. L. Rabine, An airborne topographic survey of Long Valley Caldera, CA, 1995, using scanning laser altimetry, *Int. J. Remote Sensing*, **submitted**, 1998.

Calais, E. and J.-B. Minster, GPS, earthquakes, the ionosphere, and the space shuttle, *Physics of the Earth and Planetary Interiors*, **105**, 167-181, 1998.

5 Other Significant Publications:

Calais, E. and J. Bernard Minster, GPS detection of ionospheric perturbations following a Space Shuttle ascent, *Geophys. Res. Lett.*, **23**, 1897-1900, 1996.

Ridgway, J. R., J. B. Minster, N. Williams, J. L. Bufton, and W. B. Krabill, Airborne laser altimeter survey of Long Valley, California, *Geophys. J. Int.*, **131**, 267-280, 1997

Calais, E., J. B. Minster, M. A. Hofton, and M. A. H. Hedlin, Ionospheric signature of surface mine blasts from Global Positioning System measurements, *Geophys. J. Int.*, **132**, 191-202, 1998.

Hofton, M. A., J. B. Blair, J. B. Minster, J. R. Ridgway, N. P. Williams, J. L. Bufton, and D. L. Rabine, Using laser altimetry to detect topographic change at Long Valley caldera, California, *Earth Surface Remote Sensing, SPIE*, **3222**, 295-306, 1997.

Calais, E., J. B. Minster, M. A. Hofton and M. A. H. Hedlin, Ionospheric signature of surface mine blasts from Global Positioning System measurements, *Geophys. J. Int.*, **132**, 191-202, 1998.

Collaborators within the last 48 months:

Duncan Agnew, Scripps Institution of Oceanography
Yehuda Bock, Scripps Institution of Oceanography
Steve Day, San Diego State University
John McRaney, University of Southern California
John Rundle, University of Colorado, Boulder
Paul Rosen, Jet Propulsion Laboratory
Bob Schutz, University of Texas
Peter Shearer, Scripps Institution of Oceanography
Steve Shkoller, UC Davis
David Sandwell, Scripps Institution of Oceanography

Thesis Advisor in the last 5 years for:

Harrold Gurrola, Ph.D. 1995, Texas Tech. University
G. Eli Baker, Ph.D. 1996, Maxwell Technologies, San Diego
Heming Xu, Ph.D. 1998

Postdoctoral Sponsor in the last 5 years for:

Eric Calais, CNES, France
Michelle Hofton, University of Maryland
Steve Shkoller, California Institute of Technology and Los Alamos National Laboratory

Graduate Advisor:

Charles Archambeau, formerly at California Institute of Technology