

# CURRICULUM VITAE

**Thomas H. Shipley**

## ADDRESS

Institute for Geophysics  
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## EDUCATION

1975 Ph.D., Geology, Rice University, Houston, in a cooperative program with the Geophysics  
Laboratory, Marine Science Institute, University of Texas, Galveston.  
1971 B.S., Earth Sciences, California State University, Hayward

## HONORS

2002-05 John A. and Katherine G. Jackson School of Geosciences Fellow  
1995 Special Creativity Award, National Science Foundation  
1973-74 Noyes Fellow, University of Texas  
1972 Vetlesen Fellow in Marine Geology, Columbia University  
1971-72 Faculty Fellow, Columbia University

## PROFESSIONAL POSITIONS

1986- Senior Research Scientist, Institute for Geophysics, University of Texas, Austin  
1983-86 Research Scientist  
1983-84 Associate Research Geologist, Scripps Institution of Oceanography, University of  
California, San Diego, California  
1979-83 Assistant Research Geologist  
1977-79 Research Scientist, Geophysics Laboratory, Marine Science Institute, University of Texas,  
Galveston  
1975-77 Research Scientist Associate  
1973-75 Graduate Research Assistant  
1971-72 Graduate Research Assistant, Lamont-Doherty Geological Observatory, Columbia  
University, Palisades, New York  
1970-71 Laboratory Assistant, Department of Earth Sciences, California State University, Hayward,  
California

## PROFESSIONAL SERVICE

Current Professional Service:  
Chairman, NSF R/V Ewing Replacement Oversight Committee (2004-2007)  
Member, R/V Langseth Science Oversight Committee (2006- )

Selected Past Professional Service:  
Member, MARGINS Steering Committee (1999-2004)  
Elected Council member, University National Oceanographic Laboratory Systems (1997-2003)  
Members: Operations Committee of JOIDES (1999-2003)  
Member: NSF Committee of Visitors for Ocean Sciences Integrative Program Section (2002)  
Co-convener, Marine Seismic Reflection Acquisition for the Next Decade, NSF Workshop (1999)

Co-convener, Seismogenic Zone Experiment Workshop, 1997  
Member, NSF Marine Geology and Geophysics Review Panel (1984-1986; 1996)  
Member, Planning Committee of JOIDES (1988-1989; 1993-1996)  
Associate Editor, *Geology* (1991-1993)  
Chairman, Central and Eastern Pacific Regional Panel of JOIDES (1984-1986)  
Member, Executive Committee, National Oceanic Reflection Profiling Organization (1985-1986)

#### GRADUATE STUDENT ADVISOR/COMMITTEE MEMBER

Veronica Castillo (Ph.D., 2001) Structural analysis of Cenozoic fault systems using 3-D seismic data in the southern Maracaibo Basin, Venezuela  
Junru Jiao (Ph.D., 2000) Residual migration velocity analysis in the plane wave domain: theory and applications  
Stephen Bloomer (Ph.D., 1999, University of New Brunswick) Examination of the full potential of seismic reflection data for paleoceanographic studies: Case study from the Eastern Equatorial Pacific Ocean  
Vikramaditya Sen (Ph.D., 1998) Seismic survey in Antarctica, parallel schemes for seismic migration and target-oriented velocity analysis  
Faruq Akbar (Ph.D., 1998) Plane wave Kirchhoff depth migration in the 2D and 3D medium  
Shane Cowley (M.A., 1998) Oligocene to recent stratigraphic and tectonic history of the central Solomon intra-arc basin as determined from marine seismic and onshore geology  
Alison Teagan Henning (M.A., 1997) Post-stack migration velocity analysis of three-dimensional seismic reflection data  
Eric Phinney (M.A., 1997) Sequence stratigraphy, structure, and tectonics of the southern Ontong Java Plateau and Malaita accretionary prism, Solomon Islands  
Daniel Barker (Ph.D., 1997) Tectonic evolution of Bransfield Strait, West Antarctica  
Carlos Varela (Ph.D., 1996) Automatic background velocity estimation in 2D laterally varying media  
David Mosher (Ph.D., 1993) Seismic stratigraphy of the Ontong Java Plateau, western Equatorial Pacific: its paleoceanographic sequence (Dalhousie Univ.)  
Warren Wood (Ph.D., 1993) Least squares inversion of field seismic data for an elastic 1-D earth  
Kirk McIntosh (Ph.D., 1992) Geologic structure and processes of the eastern Pacific Margin: California and Costa Rica (Univ. California, Santa Cruz)  
Walter Kessinger (Ph.D., 1991) Three dimensional seismic imaging of the Costa Rica accretionary margin  
Warren Wood (M.A., 1989) One and two dimensional seismic velocity inversion in the domain of intercept time and ray parameter: an example in the Nankai Trough  
Veronique Froger (1989) Recherches sur l'origine et l'évolution des bassins mésozoïques du pacifique centre ouest (Univ. Pierre et Marie Curie)  
George Coltrin (M.A., 1987) Seismic reflection imaging problems resulting from a rough surface at the top of the accretionary prism at convergent margins  
George Laguros (M.A., 1987) Seismic-stratigraphic analysis of sedimentation processes in pelagic carbonate sequence of the equatorial Pacific: DSDP Site 574  
Jacqueline Roump (1985) Le Fosse d'Amérique Central (Univ. Brest)  
Desiree Beaudry (Ph.D., 1983) Depositional history and structural evolution of a sedimentary basin in a modern forearc setting, western Sunda Arc, Indonesia (Univ. Calif. San Diego)

## UNDERGRADUATE RESEARCH ADVISOR

Served as senior thesis advisor to many undergraduates. Have employed undergraduates as research assistants in the laboratory and at sea. Most have gone on to graduate school, or careers in geophysical service companies or with environmental firms.

## GEOPHYSICAL FIELD EXPERIENCE

Maurice Ewing 1999	3-D MCS survey Southwest Japan Seismogenic Zone Experiment
Maurice Ewing 1998.	OBS-MCS survey of the Barbados Ridge backstop—N. Bangs, Chief Scientist.
Maurice Ewing 1995.	MCS-OBS Solomon Islands Trench survey—T. Shipley, Co-chief Scientist.
Maurice Ewing 1995.	OBS 3-D survey of a subducting seamount off Costa Rica—T. Shipley, Co Chief Scientist.
JOIDES Resolution 1994.	ODP Leg 156 Northern Barbados Ridge—T. Shipley, Co-chief Scientist.
Maurice Ewing 1992.	MCS 3-D survey of the Barbados Trench—T. Shipley, Co-chief Scientist.
Maurice Ewing 1991.	MCS investigation of Bransfield Trough and South Shetland Trench—T. Shipley, Co-chief Scientist.
Suroit 1989.	MCS investigation of Cretaceous and Jurassic crust and sediments in the Old Pacific—Y. Lancelot, Chief Scientist.
Thomas Washington 1989.	Eight-channel seismic reflection investigation of the Nauru Basin—T. Shipley, Chief Scientist.
Thomas Washington 1988.	SCS high resolution depth transect across the Ontong-Java Plateau—E.L. Winterer, Chief Scientist.
Fred Moore 1987.	MCS investigation of Cretaceous and Jurassic crust and sediments in the Old Pacific—T. Shipley, Co-chief Scientist.
Fred Moore 1987.	High resolution expanding spread experiment in the Nankai Trough—T. Shipley, Co-chief Scientist.
Fred Moore 1987.	MCS 3-dimensional survey offshore Costa Rica—T. Shipley, Chief Scientist.
Thomas Thompson 1986.	Deep Tow Seismics offshore Central America—T. Shipley, Co-chief Scientist.
Moana Wave 1985.	Sea Marc2 and seismic reflection offshore Panama—E. Silver, Chief Scientist.
Thomas Washington 1982.	Ariadne Leg 3 Seabeam and seismic reflection in the Middle America Trench—T. Shipley, Co-chief Scientist.
Thomas Washington 1982.	Ariadne Leg 1 Seabeam and seismic reflection study in the pelagic carbonate sections of the Equatorial Pacific—T. Shipley, Chief Scientist.
Kana Keoki 1981.	Western Pacific seismic reflection survey—T. Shipley, Co-chief Scientist.
Glomar Challenger 1981.	Blake-Bahama margin drilling—R. Sheridan, F. Gradstein, Co-chief Scientists. DSDP staff scientist.
Glomar Challenger 1979.	Mexico—Middle America Trench drilling—J. Watkins, C. Moore, Co-chief Scientists. DSDP staff scientist.
Fred Moore 1979.	IPOD MCS Rio Grande Rise survey—T. Shipley, Co-chief Scientist. Service to UT.
Fred Moore 1979.	IPOD MCS South Atlantic survey—T. Shipley, Co-chief Scientist. Service to UT.
Ida Green 1978.	IPOD MCS surveys of the Middle America Trench—T. Shipley, Co-chief Scientist.
Ida Green 1978.	Caribbean Tectonics MCS—T. Shipley, Co-chief Scientist.
Ida Green 1977.	Middle America Trench, Mexico MCS, OBS and coring—T. Shipley, Co-chief Scientist.
Ida Green 1977.	Middle America Trench, Guatemala MCS—T. Shipley, Co-chief Scientist.
Ida Green 1976.	Panama City coring-MCS—J. Worzel, Chief Scientist. Watch stander and coring chief for Worzel.
Ida Green 1975.	Blake-Bahama margin MCS survey—J. Watkins, Chief Scientist.
Ida Green 1975.	IPOD multichannel seismic survey (MCS), U.S. East Coast—J. Watkins, Chief Scientist.
Hockley Salt Dome 1974.	Land seismic reflection study of a salt dome in Southwest Texas—J. Dorman, Chief Scientist. Part of field crew and helped with data processing.

- Ida Green 1974. Campache Escarpment morphology, Gulf of Mexico–T. Shipley, Chief Scientist.
- Eastward 1973. Manganese nodule investigation, northwest Atlantic–M. Ewing, Chief Scientist.
- Robert Conrad 1973. Interdisciplinary manganese nodule investigation, northwest Atlantic–M. Ewing Chief Scientist.
- Robert Conrad 1972. Interdisciplinary manganese nodule investigation, northwest Atlantic–M. Ewing, Chief Scientist.

#### SEISMIC DATA CENTER

The seismic data center ([www.ig.utexas.edu/sdc](http://www.ig.utexas.edu/sdc)) serves the academic seismic reflection and ocean bottom seismometer data sets, now about 170.

#### PUBLICATIONS

##### Papers

- Bangs, N.L., Gulick, S. and Shipley, T.H., 2006, Seamount subduction erosion in the Nankai Trough and its potential impact on the seismogenic zone, *Geology* 34, 701–704, doi=10.1130/G22451.1
- Carbotte, R., Arko, R., Chayes, D., Haxby, W., Lehnert, K., O'Hara, S., Ryan, W., Weissel, R., Shipley, T., Gahagan, L., Johnson, K., and Shank, T., 2004, New integrated data management system for Ridge2000 and MARGINS research, *Eos*, 85, 553,559.
- Bangs, N.L., Shipley, T.H., Gulick, S., Moore, G., and Kuramoto, S., 2004, Evolution of the Nankai Trough décollement from the trench into the seismogenic zone: Inferences from three-dimensional seismic reflection imaging, *Geology*, 32, 273-276., doi=10.1130/G20211.1.
- Heffernan, A. S., Moore, J., Bangs, N., Moore, G., and Shipley T., 2004, Initial deformation in a subduction thrust system: Polygonal normal faulting in the incoming sedimentary sequence of the Nankai subduction zone, Southwestern Japan, In: Davies R. J. et. al (eds.) 3D Seismic Technology: Application to the Exploration of Sedimentary Basins: *Geological Society* [London] Memoir 29, 143-148.
- Gulick, S., Bangs, N.L., Shipley, T.H., Nakamura, Y., Moore, G., and Kuramoto, S., 2004, Three-dimensional architecture of the Nankai accretionary prism's imbricate thrust zone off Cape Muroto, Japan: Prism reconstruction via *en echelon* thrust propagation, *Journal of Geophysical Research*, 109, B02105, doi=10.1029.2003JB002654,2004.
- Phinney, E.J., Mann, P., Coffin, M.F., and Shipley, T.H., 2004, Sequence stratigraphy, structural style, and age of deformation of the Malaita accretionary prism (Solomon Arc-Ontong Java Plateau convergent zone), *Tectonophysics*, doi=10.1016/j.tecto.2003.10.025, 221-246.
- Cowley, S., Mann, P., Coffin, M.F., Shipley, T.H., 2004, Oligocene to Recent tectonic history of the Central Solomon intra-arc basin as determined from marine seismic reflection data and compilation of onland geology, *Tectonophysics*, doi=10.1016/j.tecto.2004.01.008, 267-307.
- Bangs, N.L., Christeson, G.L., Shipley, T.H., 2003, Structure of the Lesser Antilles subduction zone backstop and its role in a large accretionary system, *Journal of Geophysical Research*, 108, 2358, doi=10.1029/2002JB002040, 2003.
- Christeson, G.L., Bangs, N.L., Shipley, T.H., 2003, Deep Structure of an island arc backstop, Lesser Antilles subduction zone, *Journal of Geophysical Research*, 108, 2327, doi=10.1029/2002JB002243.
- Moore G.F., A. Taira, N.L. Bangs, S. Kuramoto, T.H. Shipley, C.M., Alex, S.S. Gulick, D.J. Hills, T. Ike, S. Ito, S.C. Leslie, A.J., McCutcheon, K. Mochizuki, S. Morita, Y. Nakamura, J.-O. Park, B. L. Taylor, G. Toyama, H. Yagi, and Z. Zhao, 2001, Structural setting of the ODP Leg 190, Muroto transect, Proc. Ocean Drilling Prog., Init. Rep., 190, 1-14.

- McIntosh, K., Akbar, C., Calderon, C., Stoffa, P., Operto, S., Christeson, G., Nakamura, Y., Shipley, T., Flueh, E., Stavenhagen, A., and Leandro, G., 2000, Large aperture seismic imaging at convergent margins: Techniques and results from the Costa Rica seismogenic zone, *Marine Geophysical Researches*, 21, 451-474.
- Christeson, G.L., McIntosh, K.D., and Shipley, T.H., 2000, Seismic attenuation in the Costa Rica margin wedge: amplitude modeling of ocean bottom hydrophone data, *Earth and Planetary Science Letters*, 179, 391-405.
- Shipley, T.H., and Moore G.F., 2000, NSF considers recommendations for marine seismic reflection, *EOS*, 81, 373-374.
- Shipley, T.H., and Moore G.F. eds., 2000, U.S. Marine Seismic Reflection Acquisition Needs for the Next Decade, GeoProse, Bethesda, MD, 48 p.
- Zhao, Z., Moore, G.F., Bangs, N.L., Shipley, T.H., 2000, Spatial Variation of the Decollement/Protodecollement zone and their implications: a 3-D seismic inversion study of the northern Barbados Accretionary Prism, *Island Arc* 9, 219-236.
- Shipley, T.H., and Moore, G.F., 2000, Academic Marine Reflection Seismology & U.S. Planning for the Next Decade, *Sea Technology*, 41, no. 9, 10-14.
- Shipley, T.H., Bangs, N.L. and Henning, A.T., 2000, Sediment velocity estimation using iterative 3-D migrations of short offset seismic reflection data in deep water, *Marine Geophysical Researches*, 20: 479-494, 1998 (note ©2000).
- Christeson, G.L., McIntosh, K.D., Shipley, T.H., Flueh, E., Goedde, H., 1999, Structure of the Costa Rica convergent margin, offshore Nicoya Peninsula, *Journal of Geophysical Research*, 104, 25443-25468.
- Bangs, N.L., Shipley, T.H., Moore, J.C., and Moore, G.F., 1999, Fluid accumulation and channeling along the northern Barbados Ridge Décollement Thrust, *Journal of Geophysical Research*, 104, 20399-20414.
- Phinney, E.J., Mann, P., Coffin, M.F. and Shipley, T.H., 1999, Sequence stratigraphy, structure, and tectonic history of the southwestern Ontong Java Plateau adjacent to the North Solomon Trench and Solomon Island Arc, *Journal of Geophysical Research*, 104, 20449-20466.
- Zhao, Z., Moore, G.F., and Shipley, T.H., 1998, Deformation and dewatering of the subducting plate beneath the lower slope of the northern Barbados accretionary prism, *Journal of Geophysical Research*, 103, 30431-30449
- Shipley, T.H., 1998, State-of-Science: Convergent Margins, in *The Future of Marine Geology and Geophysics: Report of a Workshop*; Baker, P., and McNutt, M., eds., National Science Foundation Division of Ocean Sciences, 207-218.
- Stavenhagen, A., Flueh, E., Ranero, C., McIntosh, K., Shipley, T.H., Leandro, G., Schulze, A., and Danobeitia, J., 1998, Seismic wide-angle investigations in Costa Rica - a crustal velocity model from the Pacific to the Caribbean coast, *Zbl. Geol. Palaont. Teil*, v. 1997, 393-408.
- Shipley, T.H., G.F. Moore, H.J. Tobin, and Moore, J.C., 1997, Synthesis of the Barbados décollement seismic reflection response from drilling-based geophysical observations and physical properties: ODP Leg 156, in T.H. Shipley, Y. Ogawa, P. Blum, and J.M. Bahr, Editors, *Proceedings of the Ocean Drilling Program, Scientific Results*, Ocean Drilling Program, Texas A&M University, College Station, Texas, Vol. 156, 293-302.
- Moore, G.F., Z. Zhao, and Shipley, T.H., 1997, Integration of vertical seismic profiling, logging, and seismic data in the vicinity of the décollement, northern Barbados Ridge accretionary prism, in T.H. Shipley, Y. Ogawa, P. Blum, and J.M. Bahr, Editors, *Proceedings of the Ocean Drilling Program, Scientific Results*, Ocean Drilling Program, Texas A&M University, College Station, Texas, Vol. 156, 255-262.

- Shipley, T.H., Ogawa, Y., Blum, P., and Bahr, J.M., Editors, 1997, Proceedings of the Ocean Drilling Program, Scientific Results, Vol. 156, 366 p., Ocean Drilling Program, Texas A&M University, College Station, Texas
- Fisher, A.T., Zwart, G.T., and ODP Leg 156 Scientific Party, 1996, Relation between permeability and effective stress along a plate-boundary fault, Barbados accretionary complex, *Geology*, 24, 307-310.
- Housen, B.A., Tobin, H.J., Labaume, P., Leitch, E.C., Maltman, A.J., and ODP Leg 156 Shipboard Science Party, 1996, Strain decoupling across the décollement of the Barbados accretionary prism, *Geology* 24, 127-130.
- Bangs, N.L., Shipley, T.H., and Moore, G.F., 1996, Elevated fluid pressure and fault zone dilation inferred from seismic models of the northern Barbados Ridge décollement, *Journal of Geophysical Research*, 101, 627-642.
- Labauume, P., Henry, P., Rabaute, A., Ogawa, Y., Shipley, T.H., and ODP Leg 156 Shipboard Science Party, 1995, Circulation et surpression de l'eau interstitielle dans le prisme d'accrétion nord-Barbade: résultats du Leg ODP 156, *C.R. Acad. Sci. Paris*, t. 320, série II a, 977-984.
- Moore, J.C., Shipley, T.H., Goldberg, D., ODP Leg 156 Shipboard Science Party, 1995, Abnormal fluid pressures and fault-zone dilation in the Barbados accretionary prism: Evidence from logging while drilling, *Geology*, 23, 605-608.
- Shipley, T.H., Ogawa, Y., Blum, P., Editors, 1995, Proceedings of the Ocean Drilling Program, Initial Reports, Vol. 156, 301p., Ocean Drilling Program, Texas A&M University, College Station, Texas.
- Moore, G.F., Zhao, Z., Shipley, T.H., Bangs, N.L., and Moore, J.C., 1995, Structural setting of the Leg 156 area, Northern Barbados Ridge accretionary prism, Proceedings of the Ocean Drilling Program, Initial Reports, Ocean Drilling Program, Texas A&M University, College Station, Texas, Vol. 156, 13-27.
- Shipley, T.H., Moore, G.F., Bangs, N.L., Moore, J.C., and Stoffa, P.L., 1994, Seismically inferred dilatancy distribution, northern Barbados Ridge décollement: Implications for fluid migration and fault strength, *Geology*, 22, 411-414.
- Wood, W.T., Stoffa, P.L., and Shipley, T.H., 1994, Quantitative detection of methane hydrate through high resolution seismic velocity analysis, *Journal of Geophysical Research*, 99, 9681-9695.
- McIntosh, K., Silver, E., and Shipley, T.H., 1993, Evidence and mechanisms for forearc extension at the accretionary Costa Rica convergent margin, *Tectonics*, 12, 1380-1392.
- Abrams, L., Larson, R., Shipley, T.H., and Lancelot, Y., 1993, Cretaceous volcanic sequences and Jurassic oceanic crust in the East Mariana and Pigafetta Basins of the Western Pacific, in *The Mesozoic Pacific: Geology, Tectonics, and Volcanism*, American Geophysical Union, Geophysical Monograph 77, 77-101.
- Shipley, T.H., Abrams, L., Lancelot, Y., and Larson, R., 1993, Late Jurassic-Early Cretaceous oceanic crust, Mid-Cretaceous volcanic sequences of the Nauru Basin, Western Pacific, in Pringle, M., Sager, W., Sliter, B. and Stein, S., eds., *The Mesozoic Pacific: Geology, Tectonics, and Volcanism*, American Geophysical Union, Geophysical Monograph 77, 103-119.
- Moore, G.F. and Shipley, T.H., 1993, Character of the décollement in the ODP Leg 131 area, Nankai Trough, Proceedings of the Ocean Drilling Program, Scientific Results, Ocean Drilling Program, Texas A&M University, College Station, Texas, Vol. 131, 73-82.
- Hagen, R.A., Mayer, L.A., Mosher, D., Kroenke, L.W., Shipley, T.H., and Winterer, E.L., 1993, Basement structure of the northern Ontong Java Plateau, Proceedings of the Ocean Drilling Program, Scientific Results, Ocean Drilling Program, Texas A&M University, College Station, Texas, Vol. 130, 23-32.

- Mosher, D.C., Mayer, L.A., Shipley, T.H., Winterer, E.L., Hagen, R.A., Marsters, J.C., Bassinot, F., Wilkens, R.H., and Lyle, M., 1993, Seismic stratigraphy of the Ontong Java Plateau, Proceedings of the Ocean Drilling Program, Scientific Results, Ocean Drilling Program, Texas A&M University, College Station, Texas, Vol. 130, 33-49.
- Abrams, L., Larson, R., Shipley, T.H., and Lancelot, Y., 1992, The seismic stratigraphy and sedimentary history of the East Mariana and Pigafetta Basins of the Western Pacific, ODP, Proceedings of the Ocean Drilling Program, Scientific Results, Ocean Drilling Program, Texas A&M University, College Station, Texas, Vol. 129, 551-569.
- Stoffa, P.L., Wood, W.T., Shipley, T.H., Moore, G.F., Nishiyama, E., Botelho, M., Tiara, A., Tokuyama, H., and Suyehiro, K., 1992, Deep water high resolution expanding spread and split-spread marine seismic profiles, *Journal of Geophysical Research*, 97, 1,687-1,713.
- Shipley, T.H., McIntosh, K., Silver, E., and Stoffa, P., 1992, Three dimensional seismic imaging of the Costa Rica Accretionary Prism: Structural diversity in a small volume of the lower slope, *Journal of Geophysical Research*, 97, 4,439-4,459.
- Moore, G.F., Karig, D.E., Shipley, T.H., Taira, A., Stoffa, P.L., and Wood, W.T., 1991, Structural framework of the ODP Leg 131 Area, Nankai Trough Leg 131, Proceedings of the Ocean Drilling Program, Initial Reports., Ocean Drilling Program, Texas A&M University, College Station, Texas, Vol. 131, 15-20.
- Mayer, L., Shipley, T.H., Winterer, E.L., Mosher, D., and Hagen, R., 1991, Sea Beam and seismic reflection surveys on the Ontong-Java Plateau, Proceedings of the Ocean Drilling Program, Initial Reports, Ocean Drilling Program, Texas A&M University, College Station, Texas, Vol. 130, 45-75.
- Stoffa, P.L., Shipley, T.H., Kessinger, W., Dean, D.F., Wide, R., Silver, E., Reed, D., and Aguilar, A., 1991, Three-dimensional seismic imaging of the Costa Rica accretionary prism: Field program and migration examples, *Journal of Geophysical Research*, 95, 21,693-21,712.
- Moore, G.F., Shipley, T.H., Stoffa, P.L., Karig, D.E., Taira, A., Kuramoto, S., Tokuyama, H., and Suyehiro, K., 1990, Structure of the Nankai Trough accretionary zone from multichannel seismic reflection data, *Journal of Geophysical Research*, 95, 8753-8765.
- Shipley, T.H., Stoffa, P.L., and Dean, D.F., 1990, Underthrust sediments, fluid migration paths and mud volcanoes associated with the accretionary wedge off Costa Rica: Middle America Trench, *Journal of Geophysical Research*, 95, 8743-8752.
- Reed, D.L., Silver, E.A., Tagudin, J.E., Shipley, T.H., and Vrolijk, P., 1990, Relations between mud volcanoes, thrust deformation, slope sedimentation, and gas hydrate, offshore north Panama, *Marine and Petroleum Geology*, 7, 44-54.
- Coltrin, G., Backus, M., Shipley, T.H., and Cloos, M., 1989, Seismic reflection imaging problems resulting from a rough surface at the top of the accretionary prism at convergent margins, *Journal of Geophysical Research*, 94, 17485-17496.
- Laguros, G. and Shipley, T.H., 1989, Quantitative estimate of re-sedimentation in the pelagic sequences Equatorial Pacific, *Marine Geology*, 89, 269-277.
- Moore, G. and Shipley, T.H., 1988, Mechanisms of sediment accretion in the Middle America Trench off Mexico *Journal of Geophysical Research*, 93, 8911-8927.
- Moore, G. and Shipley, T., 1988, Behavior of the décollement at the toe of the Middle America Trench. *Geologische Rundschau*, 77/1, 275-284.

- Shiple, T.H. and Buffler, R.T., 1987, Continental margin of Costa Rica, *in* von Huene, et al., Seismic images of modern convergent margin tectonic structure, *American Association Petroleum Geologists Studies in Geology Series* 26, 33-36.
- Moore, G.F., Shiple, T.H., 1987, Marine sediments, McGraw Hill Yearbook of Science and Technology, 1985, McGraw Hill, N.Y., 289-290.
- Petersen, L.D., Duennebier, F.K., and Shiple, T.H., 1986, IPOD Site Surveys in the western Pacific, *in* Schlanger, S. D. et al., Initial Reports DSDP, Vol. 89, 603-628.
- Mayer, L.A., Shiple, T.H., and Winterer, E.L., 1986, Equatorial Pacific seismic reflectors as indicators of global oceanographic events, *Science*, 233, 761-764.
- Moore, G.F., Shiple, T.H., and Lonsdale, P.F., 1986, Subduction erosion versus sediment offscraping at the toe of the Middle America Trench off Guatemala, *Tectonics*, 5, 513-523.
- Silver, E.A., Breen, N.A., Ellis, M.J., and Shiple, T.H., 1986, Reply on Comments on the growth of accretionary wedges, *Geology*, 14, 185-186.
- Shiple, T.H., and Moore, G.F., 1986, Sediment accretion, subduction and dewatering at the base of the trench slope off Costa Rica: a seismic reflection view of the décollement, *Journal of Geophysical Research*, 91, 2019-2028.
- Shiple, T.H., and Moore, G.F., 1985, Sediment accretion and subduction in the Middle America Trench, *in* Nasu, N., et al., Formation of Active Ocean Margins, Terra Sci. Pub., Tokyo, 221-255.
- Mayer, L.A., Shiple, T.H., Theyer, F., Wilkens, R.F., and Winterer, E.L., 1985, Seismic modeling and paleoceanography at DSDP Site 574, *in* Mayer, L. A., et al., Initial Reports DSDP, Vol. 85, 947-970.
- Shiple, T.H., Winterer, E.L., et al., 1985, Seabeam bathymetric and water-gun seismic reflection data from the Equatorial Pacific, *in* Mayer, L. A., et al., Initial Reports of DSDP, 85, 825-837.
- Volpe, A.M., Shiple, T.H., and Moore, G.F., 1985, A high resolution geophysical survey of DSDP Leg 84 site 570, *in* von Huene, R., et al., Initial Reports DSDP, Vol. 84, 851-860.
- Silver, E.A., Ellis, M.J., Breen, N.A., and Shiple, T.H., 1985, Comments on the growth of accretionary wedges, *Geology*, 13, 6-9.
- Whitman, J., Shiple, T.H., Duennebier, F., and Petersen, L., 1984, Western Pacific seismic stratigraphy, structure and sedimentation history, East Mariana Basin, Proceedings, 27 Int. Geol. Congress, 6, 83-113.
- Sheridan, R.E., Bates, L.G., Shiple, T.H., Crosby, J.T., 1983, Seismic stratigraphy in the Blake-Bahama Basin and the origin of horizon D, *in* Sheridan, R. E., et al., Initial Reports DSDP, Vol. 76, 667-683.
- Shiple, T.H., 1983, Physical properties, synthetic seismograms and seismic reflections: correlations at DSDP Site 534, Blake-Bahama Basin, *in* Sheridan, R. E., et al., Initial Reports DSDP, Vol. 76, 653-666.
- Shiple, T.H., Whitman, J., Duennebier, F., and Petersen, L., 1983, Sedimentation stratigraphy and structural elements of the East Mariana Basin, western Pacific, *Earth and Planetary Science Letters*, 64, 257-275.
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