CURRICULUM VITAE (FULL)

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Research Interests

I am interested in crustal structure of various geological environments. My early work focused on the formation of oceanic crust at mid-ocean ridges, and I am continuing this work with a project to correlate the geologic structure observed at Hess Deep and the Blanco Fracture Zone with the seismic structure observed at the adjacent plateaus. Since my employment at UTIG I have expanded my interests to the structure of subducting crust near Costa Rica and Barbados, the size and morphology of the Chicxulub impact crater, the nature of the crust within Bransfield Strait, the oblique arc-continent collision zone in the SE Caribbean, and the interplay between tectonics and erosions near the Gulf of Alaska. In order to characterize the structure in these various environments I collect wide-angle seismic data using a large air-gun source and ocean bottom seismograph receivers; this is often done in conjunction with the acquisition of multi-channel seismic reflection profiles. I then use various techniques, including 1D reflectivity modeling, 2D ray-tracing, and 2D and 3D tomography to constrain crustal structure.

Education

B.S. Geophysics, Texas A&M University, 1988

Ph.D. Geophysics, Massachusetts Institute of Technology/Woods Hole Oceanographic Institution, 1994. Thesis title: Shallow Crustal Structure of the East Pacific Rise Near 9°30'N. Thesis advisor: G.M. Purdy.

Positions Held

Research Scientist, University of Texas Institute for Geophysics (9/01-present)
Research Associate, University of Texas Institute for Geophysics (9/95-8/01)
Post-doctoral Fellow, University of Texas Institute for Geophysics (1/94 - 8/95)

Field Experience

2008 *R/V Marcus Langseth*, STEEP Seismic Acquisition (co-chief scientist)
2005 Yucatan Peninsula - assisted in deployment of seismometers in support of the Chicxulub seismic experiment.
2004 *R/V Maurice Ewing*, Seismic Study at Blanco Transform (chief scientist)
2004 *R/V Seward Johnson II*, SE Caribbean OBS Program (chief scientist)
2004 Yucatan Peninsula - assisted in deployment and recovery of seismometers in support of the Chicxulub seismic experiment.
2003 *R/V Maurice Ewing*, Seismic Study at Hess Deep (chief scientist)

2000 *RVIB Nathaniel B. Palmer*, Bransfield Strait OBS Experiment
1999 *R/V Atlantis,* Geological Investigation of Upper Oceanic Crust at Hess Deep Using AMS-120, Argo, and Alvin
1998 *R/V Maurice Ewing*, Coincident MCS/OBS Seismic Reflection/Refraction Study of Lesser Antilles Subduction Zone Backstop and Accretionary Complex
1995 *R/V Maurice Ewing*, TICOSECT: Seismic Experiments to Study Subduction of the Cocos Plate beneath Costa Rica
1991 *R/V Atlantis II,* On-bottom Refraction Experiments on the East Pacific Rise Near Latitude 9°30'N
1989 *CSS John P. Tully,* Seismic Experiments on the Northern Symmetric and Endeavor Segments of the Juan de Fuca Ridge
1988 *R/V Robert D. Conrad*, Sea Beam Survey of the Mid-Atlantic Ridge: Kane to Atlantis Fracture Zones I
1988 *R/V Robert D. Conrad*, SeaMARC II Imaging of the Kane Fracture Zone

Service – Scientific Community

Workshop Working Group Chair: INVEST (New Ventures in Exploring Scientific Targets), Working Group 'Site Characterization and Integration With the Borehole', Bremen, Germany, September 23-25, 2009
Workshop Co-convenor and Host: Scientific Ocean Drilling of Mid-Ocean Ridge and Ridge-Flank Settings, Austin, Texas, August 27-28, 2009
Journal of Geophysical Research – Solid Earth, Associate Editor, Jan 2009 – present
IRIS Internship Selection Committee, Spring 2009
Ocean Bottom Seismometer Instrument Pool (OBSIP) Management Committee, May 2006 - present
NSF Marine Geosciences Section (MGG and ODP) proposal review panel, May 2003, Fall 2004, May 2005, Nov 2008
IODP Science Steering and Evaluation Panel (SSEP), May 2006 – August 2008
Workshop Co-convenor: IODP/ICDP Scientific Drilling of the Chicxulub Impact Crater Workshop, Potsdam, Germany, September 11-12, 2006.
NSF/JOI panel: OOI (Ocean Observatories Initiative)/ORION Request for Assistance (RFA), September 2005
JOIDES Site Survey Panel, April 1997 - February 2000
Manuscript reviewer for Earth and Planetary Science Letters, EOS, Geological Society of London, G-cubed, Geophysical Journal International, Geophysical Research Letters, Journal of the Acoustical Society of America, Journal of Geophysical Research, Nature, Ocean Drilling Program, and Science
Proposal reviewer for National Science Foundation, National Undersea Research Program, NERC

Service – University of Texas and Austin Area

UT Jackson School Opportunity Hire Search Committee (chair), January 2007 - present
UTIG Fellowship Committee, September 2005 – August 2007; September 2008 – present (chair)
UTIG Seminar Committee, September 1995 – August 1999, September 2001 - August 2004, September 2008 – present (former chair)
UT Jackson School Endowment Committee, September 2005 – August 2009

UT Jackson School Dean Search Committee, October 2005 - April 2006; November 2008 – May 2009
UTIG Search Committees, May 2001 – October 2001; August 2005 – January 2007
UTIG PRC Building Committee, September 2001 – July 2004
UTIG Computer Graphics Committee, September 1995 – August 2003
UTIG Seismic Processing Committee, September 2000 – 2003
Participant in Austin Earth Science Week Career Fair 2000 and 2002
Gave outreach presentations on various topics to the Department of Geological Sciences outreach program, Lakeway Men's Breakfast Club, Learning Activities for Mature People (LAMP) group, Galindo Elementary School 5th grade class, Cedar Creek Elementary School 5th grade class, Davis Elementary 4th graders, 2nd graders, Kirby Hall 4th graders.

Student Involvement:

Co-Instructure, Topics in Marine Geology and Geophysics Seminar, Fall Semester, 2009.
Co-instructor, Marine Tectonics, Spring Semester, 2006-present.
Margaret Kroehler, Masters Degree, UT, Fall 2007 (co-supervisor).
Matthew McDonald, Masters Degree, UT, Fall 2006 (Committee Member).
Trevor Aitken, Masters Degree, UT, Spring 2005 (co-supervisor).
David Gorney, Masters Degree, UT, Spring 2005 (Committee Member).
Thesis examiner for Alexander Kritsky, University of Sydney, October 2000
Recruited and supervised undergraduate and graduate watchstanders/assistants from UT and elsewhere for several scientific cruises and one land-based field program:
- Adam Barker, graduate student, U. Washington, STEEP seismic cruise, Fall 2008
- Seth Campbell, graduate student, U Maine, STEEP seismic cruise, Fall 2008
- Ryan Elmore, graduate student, UT, STEEP seismic cruise, Fall 2008
- Ben Hooks, graduate student, U Maine, STEEP seismic cruise, Fall 2008
- Bobby Reece, graduate student, UT, STEEP seismic cruise, Fall 2008
- Lindsay Worthington, graduate student, UT, STEEP seismic cruise, Fall 2008
- Margaret Kroehler, undergraduate student, William & Mary, Chicxulub land program, winter 2005
- David Gorney, graduate student, UT, Chicxulub land program, winter 2005
- Eric Lyons, graduate student, UT, Chicxulub land program, winter 2005
- Janet Baran, graduate student, LDEO, Blanco seismic cruise, Oct 2004
- John Hillier, graduate student, Oxford, Blanco seismic cruise, Oct 2004
- Garrett Kramer, graduate student, New Mexico Tech, Blanco seismic cruise, Oct 2004
- Meagan Pollock, graduate student, Duke, Blanco seismic cruise, Oct 2004
- Gillian Rosen, graduate student, Univ. FL, Blanco seismic cruise, Oct 2004
- Ting Yang, graduate student, URI, Blanco seismic cruise, Oct 2004
- Jillian Hinds, graduate student, Univ. FL, SE Caribbean OBS cruise, Spring 2004
- Shawna McLallen, undergraduate student, Rice, SE Caribbean OBS cruise, Spring 2004
- Marc Rierola, undergraduate student, ETH Switzerland, SE Caribbean OBS cruise, Spring 2004
- Alejandro Escalona, graduate student, Univ. TX, Hess Deep cruise, July 2003
- Daniel Brothers, undergraduate student, Univ Colorado, Hess Deep cruise, July 2003
- Astrid Makowitz, graduate student, Univ. TX, Hess Deep cruise, July 2003
- Armando Sena, graduate student, Univ. TX, Hess Deep cruise, July 2003
- David Gorney, graduate student, Univ. TX, Hess Deep cruise, July 2003

Invited Presentations

January, 2006: Lamont-Doherty Earth Observatory, 'Correlation of Seismic and Geologic Boundaries in Upper Oceanic Crust'
April, 2005: Duke University, 'Comparison of Geologic and Seismic Structure of Intermediate and Fast-Spreading Crust'
October, 2002: Duke University, 'Structure of the Chicxulub Impact Crater'
October, 2002: Duke University, 'Seismic Structure of Oceanic Crust'
April, 2002: California Institute of Technology, 'Deep Crustal Structure of Bransfield Strait'
October, 1999: Georgia Tech, 'Structure of the Chicxulub Impact Crater'
July, 1999: Woods Hole Oceanographic Institution, 'Structure of the Chicxulub Impact Crater'
February, 1995: Texas A&M University, 'Shallow structure of the East Pacific Rise: Ridge volcanism and the formation of layer 2A'
March, 1993: University of Texas, Austin, 'Seismic constraints on the shallow structure of the East Pacific Rise'

Honors/Awards

Invited by Consortium for Ocean Leadership to be 2010 Distinguished Lecturer
Invited by journal Nature to write Journal Club column, June 11, 2009 issue
2005-2006 JSG Research Fellowship

Meetings Attended

Scientific Ocean Drilling of Mid-Ocean Ridge and Ridge-Flank Settings (co-convenor), August 2009
Melting, Magma, Fluids and Life, July 2009
American Geophysical Union, Fall Meeting, December 1989-1995, 1997-2008
Ocean Bottom Seismometer Instrument Pool (OBSIP) Management Committee Meetings, May 2006 – June 2008
IODP Science Steering and Evaluation Panel (SSEP) Meetings, May 2006 – May 2008
Geological Society of America, Annual Meeting, October 2006
IODP/ICDP Scientific Drilling of the Chicxulub Impact Crater Workshop (co-convenor), September 2006.
First International Conference on Impact Cratering in the Solar System, May 2006
3D Seismic Reflection Imaging Workshop, September, 2005
Ocean Mantle Dynamics Workshop, September 2002.
Antarctic Marine Geology and Geophysics Research Vessel Planning Workshop, March, 2002.
MARGINS workshop on Central American subduction processes, July 2001
32nd Annual Lunar and Planetary Science Conference, March 2001
63rd Annual Meteoritical Society Meeting, August, 2000
Non-Volcanic Rifting of Continental Margins: A Comparison of Evidence from Land and Sea, September, 1999
JOIDES Site Survey Panel, attended winter and summer meetings from April 1997 – July 1999
Conference on Multiple Platform Exploration (COMPLEX), May, 1999
Liason from Site Survey Panel to JOIDES Science Steering and Evaluation Panels (SSEPs), May, 1999
Symposium: Fifty Years of Ocean Discovery - National Science Foundation, 1950-2000, October, 1998

Sudbury Conference on Large Meteorite Impacts and Planetary Evolution, September, 1997
Liason from Site Survey Panel to Long-term Seafloor Observatory Program Planning Group, July, 1997
OBS (ocean bottom seismograph) workshop sponsored by NSF, July, 1997
SEIZE (seismogenic zone) workshop sponsored by NSF, June, 1997
Society of Exploration Geophysics International Exposition and Annual Meeting, October, 1995
RIDGE Theoretical Institute, "Faulting and Magmatism at Mid-Ocean Ridges", June, 1995
American Geophysical Union, Spring Meeting, May 1990-1992

Professional Societies

American Geophysical Union, 1986 – present
Society of Exploration Geophysics, 1986 - 1993

Journal/Book Publications

Christeson, G.L., J.A. Karson, and K.D. McIntosh (2009), Mapping of seismic layer 2A/2B boundary above the sheeted dike unit at intermediate-spreading crust exposed near the Blanco Transform, *Geochem. Geophys. Geosyst.*, submitted.

Schulte, P., L. Alegret, I. Arenillas, J. Antonio Arz, P. Barton, P.R. Bown, T.R. Bralower, **G.L. Christeson**, P. Claeys, C.S. Cockell, G.S. Collins, A. Deutsch, T.J. Goldin, K. Goto, J.M. Grajales-Nishimura, R.A.F. Grieve, S. Gulick, K.R. Johnson, W. Kiessling, C. Koeberl, D.A. Kring, K.G. MacLeod, T. Matsui, J. Melosh, A. Montanari, J.V. Morgan, C.R. Neal, R.D. Norris, E. Pierazzo, G. Ravizza, M. Rebolledo-Vieyra, W.U. Reimold, E. Robin, T. Salge, R.P. Speijer, A.R. Sweet, J. Urrutia-Fucugauchi, V. Vajda, M.T. Whalen, P.S. Willumsen (2009), The Chicxulub impact is synchronous with the mass extinction at the Cretaceous-Paleogene Boundary, *Science*, submitted.

Aitken, T., P. Mann, A. Escalona, and **G.L. Christeson** (2009), Evolution of the Grenada and Tobago basins and implications for arc migration, *Mar. Petrol. Geol.*, in press.

Barton, P.J., R.A.F. Grieve, J.V. Morgan, A.T. Surendra, P. Vermeesch, **G.L. Christeson**, S.P.S. Gulick, and M.W. Warner (2009), Seismic images of Chicxulub impact melt sheet and comparisons with Sudbury, Large Meteorite Impacts and Planetary Evolution IV: Geological Society of America Special Paper, in press.

Christeson, G.L., G.S. Collins, J.V. Morgan, S.P.S. Gulick, P.J. Barton, M.R. Warner (2009), Mantle deformation beneath the Chicxulub impact crater, *Earth Planet. Sci. Lett.*, *284*, 249-257, doi:10.1016/j.epsl.2009.04.033.

Vermeesch, P.M., J.V. Morgan, **G.L. Christeson**, P. Barton, and A. Surendra (2009), Three-dimensional joint inversion of traveltime and gravity data across the Chicxulub impact crater, *J. Geophys. Res.*, *114*, B02105, doi:10.1029/2008JB005776.

Christeson, G.L., P. Mann, A. Escalona, and T.J. Aitken (2008), Crustal structure of the Caribbean-northeastern South America arc-continent collision zone, *J. Geophys. Res.*, *113*, B08104, doi: 10.1029/2007JB005373.

Collins, G.S., J. Morgan, P. Barton, **G. Christeson**, S. Gulick, J. Urrutia, M. Warner, and K. Wünnemann (2008), Dynamic modeling suggests terrace zone asymmetry in the Chicxulub crater is caused by target heterogeneity, *Earth Planet. Sci. Lett.*, *270*, 221-230.

Gulick, S.P.S., P.J. Barton, **G.L. Christeson**, M. McDonald, K. Mendoza-Cervantes, J.V. Morgan, Z.F. Pearson, A. Surrendra, J. Urrutia-Fucugauchi, P.M. Vermeesch, and M.R. Warner (2008), Implications of structural asymmetries in the Chicxulub impact crater, *Nature Geosci.*, *1*, 131-135.

Gorney, D., P. Mann, A. Escalona, B. Magnani, and **BOLIVAR Study Group** (2007), Chronology of Cenozoic tectonic events in western Venezuela and the Leeward Antilles based on integration of offshore seismic reflection data and onland geology, *AAPG Bulletin*, *91*, 653-684.

Clark, S. A., D. S. Sawyer, J. A. Austin, Jr., **G. L. Christeson**, and Y. Nakamura (2007), Characterizing the Galicia Bank-Southern Iberia Abyssal Plain rifted margin segment boundary using MCS and OBS data, *J. Geophys. Res.*, *112*, B03408, doi: 10.1029/2006JB004581.

Christeson, G.L., K.D. McIntosh, and J.A. Karson (2007), Inconsistent correlation of seismic layer 2A and lava layer thickness in oceanic crust, *Nature*, *445*, 418-421.

Levander, A., M. Schmitz, H. Ave Lallemant, C.A. Zelt, D.S. Sawyer, M.B. Magnani, P. Mann, **G.L. Christeson**, J.E. Wright, G.L. Pavlis, and J. Pindell (2006), Evolution of the southern Caribbean Plate boundary, *Eos Trans. AGU*, *87*, 97-100.

Morgan, J., M. Warner, J. Urrutia-Fucugauchi, S. Gulick, **G. Christeson**, P. Barton, M. Rebolledo-Vieyra, and J. Melosh (2005), Chicxulub Crater seismic survey prepares way for future drilling, *Eos Trans. AGU*, *86*, 325-328.

Christeson, G.L., D.H.N. Barker, J.A. Austin, Jr., and I.W.D. Dalziel (2003), Deep crustal structure of Bransfield Strait: Initiation of a backarc basin by rift reactivation and propagation, *J. Geophys. Res.*, *108*, 2492, doi:10.1029/2003JB002468.

Christeson, G.L., N.L. Bangs, and T.H. Shipley (2003), Deep structure of an island arc backstop, Lesser Antilles subduction zone, *J. Geophys. Res.*, *108*, 2327, doi:10.1029/2002JB002243.

Bangs, N.L., **G.L. Christeson**, and T.H. Shipley (2003), Structure of the Lesser Antilles subduction zone backstop and its role in a large accretionary system, *J. Geophys. Res.*, *108*, 2358, doi:10.1029/2002JB002040.

Barker, D.H.N., **G.L. Christeson**, and J.A. Austin Jr. (2003), Backarc basin evolution and cordilleran orogenesis: Insights from new ocean-bottom seismograph refraction profiling in Bransfield Strait, Antarctica, *Geology*, *31*, 107-110.

Karson, J.A. and **G.L. Christeson** (2003)**,** Comparison of geologic and seismic structure of uppermost fast-spread oceanic crust: Insights from a crustal cross section at the Hess Deep Rift, in *Heterogeneity in the Crust and Upper Mantle: Nature, Scaling and Seismic Properties*, edited by J. Goff and K. Holliger, Kluwer Academic, New York, 99-129.

Morgan, J.V., **G.L. Christeson**, and C.A. Zelt (2002), 3D velocity tomogram across the Chicxulub crater: Testing the resolution, *Tectonophysics*, *355*, 215-226.

Karson, J.A., E. M. Klein, S. D. Hurst, C. E. Lee, P. A. Rivizzigno, D. Curewitz, A. R. Morris, D. J. Miller, R. G. Varga, **G. L. Christeson**, B. Cushman, J. M. O'Neill, J. G. Brophy, K. M. Gillis, M. A. Stewart, and A. L. Sutton (2002), Structure of uppermost fast-spread oceanic crust exposed at the Hess Deep Rift: Implications for subaxial processes at the East Pacific Rise, *Geochem. Geophys. Geosyst.*, *3*, 1002, doi:10.1029/2001GC000155.

Christeson, G.L., Y. Nakamura, R.T. Buffler, J. Morgan, and M. Warner (2001), Deep Crustal Structure of the Chicxulub Impact Crater, *J. Geophys. Res.*, *106*, 21751-21769.

(Note – this manuscript generated a News and Views article in Nature: Melosh, J. (2001), Deep down at Chicxulub, *Nature*, *414*, 861-862.)

McIntosh, K., F. Akbar, C. Calderon, P. Stoffa, S. Operto, **G. Christeson**, Y, Nakamura, T. Shipley, E. Flueh, A Stavenhagen, and G. Leandro (2000), Large aperture seismic imaging at a convergent margin: Techniques and results from the Costa Rica seismogenic zone, *Mar. Geophys. Res.*, 21, 451-474.

Christeson, G.L., K.D. McIntosh, and T.H. Shipley (2000), Seismic attenuation in the Costa Rica margin wedge: Amplitude modeling of ocean bottom hydrophone data, *Earth Planet. Sci. Lett.*, *179*, 391-405.

Morgan, J.V., M.R. Warner, G.S. Collins, H.J. Melosh, and **G.L. Christeson** (2000), Peak ring formation in large impact craters: Geophysical constraints from Chicxulub, *Earth Planet. Sci. Lett.*, *183*, 347-354.

Christeson, G.L., K.D. McIntosh, T.H. Shipley, E.R. Flueh, and H. Goedde (1999), Structure of the Costa Rica convergent margin, offshore Nicoya Peninsula, *J. Geophys. Res.*, *104*, 25443-25468.

Christeson, G.L., R.T. Buffler, and Y. Nakamura (1999), Upper crustal structure of the Chicxulub impact crater from wide-angle ocean bottom seismograph data, in Dressler, B.O., and V.L. Sharpton, eds., Large Meteorite Impacts and Planetary Evolution II: Boulder, Colorado, Geological Society of America Special Paper 339, 291-298.

Snyder, D.B., R.W. Hobbs, and the **Chicxulub Working Group** (1999), Ringed structural zones with deep roots formed by the Chicxulub impact, *J. Geophys. Res.*, *104*, 10743-10755.

Christeson, G.L., P.R. Shaw, and J.D. Garmany (1997), Shear and compressional wave structure of the East Pacific Rise, 9°-10°N, *J. Geophys. Res.*, *102*, 7821-7835.

Morgan, J., M. Warner, and the **Chicxulub Working Group** (1997), Size and morphology of the Chicxulub impact crater, *Nature*, *390*, 472-476.

Christeson, G.L., G.M. Kent, G.M. Purdy, and R.S. Detrick (1996), Extrusive thickness variability at the East Pacific Rise: Constraints from seismic techniques, *J. Geophys. Res.*, *101*, 2859-2873.

Christeson, G.L., Y. Nakamura, K.D. McIntosh, and P.L. Stoffa (1996), Effect of shot interval on ocean bottom seismograph and hydrophone data, *Geophys. Res. Lett.*, *23*, 3783-3786.

Christeson, G.L., G.M. Purdy, and G.J. Fryer (1994), Seismic constraints on shallow crustal emplacement processes at the fast-spreading East Pacific Rise, *J. Geophys. Res.*, *99*, 17957-17973.

Christeson, G.L., W.S.D. Wilcock, and G.M. Purdy (1994), The shallow attenuation structure of the fast-spreading East Pacific Rise near 9°30'N, *Geophys. Res. Lett.*, *21*, 321-324.

Christeson, G.L., G.M. Purdy, and K.M.M. Rohr (1993), Structure of the Northern Symmetrical Segment of the Juan de Fuca Ridge, *Mar. Geophys. Res.*, *15*, 219-240.

Christeson, G.L., and M.K. McNutt (1992), Geophysical constraints on the shear stress along the Marquesas Fracture Zone, *J. Geophys. Res.*, *97*, 4425-4437.

Christeson, G.L., G.M. Purdy, and G.J. Fryer (1992), Structure of young upper crust at the East Pacific Rise near 9°30'N, *Geophys. Res. Lett.*, *19*, 1045-1048.

Purdy, G.M., L.S.L. Kong, **G.L. Christeson**, and S.C. Solomon (1992), Relationship between spreading rate and the seismic structure of mid-ocean ridges, *Nature*, *355*, 815-817.

Non-Journal Publications

Christeson, G.L. (1995), OBSTOOL: Software for processing UTIG OBS data, *Technical Report No. 134*, University of Texas Institute for Geophysics, Austin, TX.

Christeson, G.L. (1994), Seismic constraints on shallow crustal processes at the East Pacific Rise, Ph.D. Thesis, MIT/WHOI Joint Program in Oceanography/Applied Ocean Science and Engineering, WHOI-94-02.

Meeting Abstracts

Gulick, S.P.S., T.L. Pavlis, **G. Christeson**, J.M. Jaeger, K.D. Ridgway, L.L. Worthington, R.S. Reece, and B.K. Horton (2009), Marine records of flat slab subduction influenced by termperate glaciation in the St. Elias orogen, Gulf of Alaska (abstract), Geological Society of America Annual Meeting, Portland, Oregon, Abstract 108-17.

Christeson, G., H. van Avendonk, S.P.S. Gulick, L.L. Worthington, and T.L. Pavlis (2009), Crustal structure of the Yakutat block: Constraints from STEEP wide-angle seismic data (abstract), Geological Society of America Annual Meeting, Portland, Oregon, Abstract 108-18.

Worthington, L.L., S.S.P. Gulick, T.L. Pavlis, **G. Christeson**, and R.S. Reece (2009), Structural eveolution of the submarine Pamplona Zone fold-thrust belt, St. Elias orogen (abstract), Geological Society of America Annual Meeting, Portland, Oregon, Abstract 108-19.

Reece, R.S., S.P.S. Gulick, J.M. Jaeger, **G. Christeson**, L.L. Worthington, and T.L. Pavlis (2009), Erosion and deposition by cross-shelf glacial advance as a mechanism for channel inception in the Surveyor Fan, Gulf of Alaska (abstract), Geological Society of America Annual Meeting, Portland, Oregon, Abstract 108-20.

Christeson, G.L., H. van Avendonk, S.P. Gulick, L. Worthington, and T. Pavlis (2008), Crustal structure of the Yakutat microplate: Constraints from STEEP wide-angle seismic data (abstract), *Eos. Trans. AGU, 89(53)*, Fall Meet. Suppl., Abstract T53B-1941.

Lowe, L.A., S.P. Gulick, **G. Christeson**, H. van Avendonk, R. Reece, R. Elmore, and T. Pavlis (2008), Crustal structure and deformation of the Yakutat microplate: New insights from STEEP marine seismic reflection data (abstract), *Eos. Trans. AGU, 89(53)*, Fall Meet. Suppl., Abstract T53B-1941.

Gulick, S.P.S., P. Barton, J. Morgan, **G. Christeson**, M. McDonald, K. Mendoza, G. Collins, A. Surendra, J. Urrutia, and P. Vermeesch (2008), Imaging and drilling the Chicxulub impact crater: Testing models for crater collapse (abstract), Geological Society of America Annual Meeting, Houston, Texas, Abstract 269-2.

Warner, M.R., J.V. Morgan, R.A.F. Grieve, P.J. Barton, **G.L. Christeson**, S.P.S. Gulick, and A.T. Surendra (2008), Does Chicxulub possess a differentiated melt sheet? (abstract), Large Meteorite Impacts and Planetary Evolution IV, Vredefort Dome, South Africa, Abstract 3026.

Christeson, G.L., K.D. McIntosh, and J.A. Karson (2007), Mapping of seismic layer 2A at intermediate-spreading crust exposed near Blanco Transform (abstract), *Eos. Trans. AGU, 88(52)*, Fall Meet. Suppl., Abstract T32B-07.

Collins, G.S., J.V. Morgan, K. Wunnemann, D. Elbeshausen, S. Gulick, **G. Christeson**, and P. Barton (2007), Is the Chicxulub crater asymmetry due to target asymmetry or oblique impact? (abstract), *Eos. Trans. AGU, 88(52)*, Fall Meet. Suppl., Abstract U22A-02.

Gulick, S.P., P.J. Barton, **G.L. Christeson**, M. McDonald, K. Mendoza-Cervantes, J.V. Morgan, Z. Pearson, A. Surendra, J. Urrutia-Fucugauchi, and P. Vermeesch (2007), Imaging the asymmetric Chicxulub impact crater and plans for drilling (abstract), *Eos. Trans. AGU, 88(52)*, Fall Meet. Suppl., Abstract U22A-03.

Magnani, M., P. Mann, S.A. Clark, A. Escalona, C.A. Zelt, **G.L. Christeson**, and A. Levander (2007), BOLIVAR: The Caribbean-South America plate boundary between 60W and 71W as imaged by seismic reflection data (abstract), *Eos. Trans. AGU, 88(52)*, Fall Meet. Suppl., Abstract T13C-1474.

Mann, P., M. Kroehler, A. Escalona, B. Magnani, and **G. Christeson** (2007), Subduction along the South Caribbean deformed belt: Age of initiation and backthrust origin (abstract), *Eos. Trans. AGU, 88(52)*, Fall Meet. Suppl., Abstract T11D-02.

Zelt, C.A., **G.L. Christeson**, M.B. Magnani, S.A. Clark, M.C. Guedez, M. Bezada, A. Levander, and M. Schmitz (2007), BOLIVAR: Crustal structure of the Caribbean-South America plate boundary between 60W and 70W from wide-angle seismic data (abstract), *Eos. Trans. AGU, 88(52)*, Fall Meet. Suppl., Abstract T13C-1477.

Morgan, J., P. Barton, **G. Christeson**, S. Gulick, and G. Collins (2007), Asymmetry of the Chicxulub crater – is it produced by asymmetry in the target? (abstract), Bridging the Gap II: Effect of Target Properties on the Impact Cratering Process, Abstract 8028.

Barton, P., J. Morgan, S. Gulick, V. Price, M. Blackburn, **G. Christeson**, and J. Urrutia, Characterising the melt sheet in the Chicxulub impact crater using seismic data prior to new drilling (abstract), *Eos. Trans. AGU, 88*(23), Jt. Assem. Suppl, Abstract U34A-04, 2007.

Gulick, S.P., M.A. McDonald, K. Mendoza, Z. Pearson, P. Barton, **G. Christeson**, J. Morgan, A. Surendra, P. Vermeesch, and J. Urrutia, Asymmetric structure of the Chicxulub impact crater: Possible causes of heterogeneity and targets for drilling (abstract), *Eos. Trans. AGU, 88*(23), Jt. Assem. Suppl, Abstract U34A-03, 2007.

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