

CURRICULUM VITAE (FULL)

Gail L. Christeson
Program Director, Marine Geology and Geophysics
National Science Foundation
2415 Eisenhower Ave.
Alexandria, VA 22314
gchriste@nsf.gov

Research Interests

I am interested in crustal structure at various tectonic settings. I have participated in seismic studies investigating 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 arc-continent collision zone in the SE Caribbean, terrane accretion in SE Alaska, the rifting history of the Gulf of Mexico, tectonic windows exposing ocean crust at Hess Deep and the Blanco Fracture Zone, and evolution of ocean crust in the South Atlantic. 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 2D and 3D tomography and full waveform tomographic inversion, to constrain crustal structure. I also integrate seismic results with other marine geophysical and ocean drilling data, and have participated in drilling expeditions to the Chicxulub impact crater and the Izu-Bonin forearc.

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

Program Director, Division of Ocean Sciences, National Science Foundation (12/21 – present)
Research Affiliate, University of Texas Institute for Geophysics (12/21 – present)
Associate Director, University of Texas Institute for Geophysics (9/17-11/21)
Senior Research Scientist, University of Texas Institute for Geophysics (9/10-11/21)
Lecturer, Department of Geosciences, University of Texas (01/08 – 11/21)
Research Scientist, University of Texas Institute for Geophysics (9/01-8/10)
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)

Honors/Awards

Knebel Teaching Award, Department of Geological Sciences, 2020
UTIG Director's Circle of Excellence, 2011, 2020
Joseph C. Walter Excellence Award, Jackson School of Geosciences, 2019
Outstanding Research Award, Jackson School of Geosciences, 2017

Consortium for Ocean Leadership 2010/2011 Distinguished Lecturer
Invited by journal Nature to write Journal Club column, June 11, 2009 issue
2005-2006 JSG Research Fellowship

Field Experience

2016 IODP Expedition 364, Chicxulub Impact Crater, onshore science party, Bremen, Germany
2016 *Liftboat Myrtle*, IODP Expedition 364, Chicxulub Impact Crater
2016 *R/V Marcus Langseth*, CREST Seismic Acquisition (co-chief scientist)
2014 *Drillship JOIDES Resolution*, IODP Expedition 352, Izu-Bonin-Mariana Forearc
2013 *CGC Sycamore*, OBS Recovery, Craig Alaska Earthquake Rapid Response
2010 *R/V Iron Cat*, Gulf of Mexico Basin Opening (co-chief scientist)
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 *R/VIB 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

American Geophysical Union (AGU) Tectonophysics Section Fellows Committee, 2020 - 2021
IODP Science Evaluation Panel (SEP), co-chair, April 2020 – December 2021
Journal of Geophysical Research – Solid Earth, Associate Editor, 2009 - 2021
Operations Management of the Drilling Vessel *JOIDES Resolution* for the IODP NSF Site Visit Panel, 2018, 2020 (co-chair)
IODP Science Plan Working Group, 2019 - 2020
JGR Editor in Chief Search Committee member, 2019
Steering Committee: Scientific Ocean Drilling post 2023 (NEXT), May 2019
IODP Science Evaluation Panel (SEP), site characterization subgroup, Nov 2016 – March 2020
Steering Committee: Assessment of the *JOIDES Resolution* in Meeting the Challenges of the IODP Science Plan (JRAW), Sep 26-27, 2017.

Workshop Organizing Committee: IRIS Active Source Data Management Workshop, Jan 26-27, 2014.

Workshop Co-convenor: Multidisciplinary Transect Drilling During Transits, Nov 11-13, 2013

U.S. Advisory Committee for Scientific Ocean Drilling (USAC), Oct 2011 – Sep 2014

Breakout Leader: Workshop on Building U.S. Strategies for 2013-2023 Scientific Ocean Drilling, April 30 - May 2, 2012

Ocean Bottom Seismometer Instrument Pool (OBSIP) Oversight Committee, May 2006 - May 2012

Workshop Breakout Leader: Challenges and Opportunities in Academic Marine Seismology, Breakout Group ‘Models of proposal preparation/nurturing/evaluation’, March 22-24, 2010

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

IRIS Internship Selection Committee, 2009 - 2010

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, Geology, G-cubed, Geophysical Journal International, Geophysical Research Letters, Journal of the Acoustical Society of America, Journal of Geophysical Research, Marine Geology, Nature, Ocean Drilling Program, and Science

Proposal reviewer for National Science Foundation, National Undersea Research Program, NERC, Schmidt Foundation

Service – University of Texas and Austin Area

UTIG Executive Council, 2020-2021

UTIG Post-doc Mentoring Committee (chair), 2019-2021

UTIG Fellowship Committee (chair/member), 2005-2013, 2021

UT Jackson School Appointments Committee, 2018-2021

UTIG Director Search Committee (co-chair), 2018-2019

UT Jackson School Awards Committee, 2017

UTIG Strategic Planning Committee, 2015

UT Jackson School Associate Dean for Research Search Committee, 2014-2015

UTIG Research Associate Search Committee, 2013

UTIG Annual Performance Evaluation Committee, 2012-2013

UTIG Seminar Committee (chair/member), 1995-1999, 2001-2004, 2008-2013

UT Jackson School Alumni Council, 2009-2010

UT Jackson School Dean Search Committee, 2008-2009

UT Jackson School Endowment Committee, 2005-2009

UT Jackson School Opportunity Hire Search Committee (chair), 2007-2008
UT Jackson School Dean Search Committee, 2005-2006
UTIG Search Committees, 2001; 2005-2007
UTIG PRC Building Committee, 2001-2004
UTIG Computer Graphics Committee, 1995-2003
UTIG Seismic Processing Committee, 2000-2003
Participant in Austin Earth Science Week Career Fair 2000, 2002

Student Involvement:

Instructor, Python for Geoscience Research, Spring Semester, 2019-2020; Fall Semester 2020
Co-Instructor, Marine Tectonics, Spring Semester, 2006-2015, 2017
Co-Instructor, Topics in Marine Geology and Geophysics Seminar, Fall Semester, 2009
Naoma McCall, PhD, UT, current (committee member)
Dominik Kardell, PhD, UT, 2020 (co-supervisor)
Maureen LeVoir Walton, PhD, UT, Spring 2016 (committee member)
Drew Eddy, PhD, UT, Summer 2014 (committee member)
Mark Duncan, Masters Degree, UT, Spring 2013 (supervisor)
Robert Reece, PhD, UT, Fall 2012 (committee member)
Yi Tao, PhD, UT, Fall 2012 (committee member)
Marvin Scott, undergraduate research, summer 2010
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)
Margaret Kroehler, IRIS undergraduate intern, summer 2004
Daniel Brothers, IRIS undergraduate intern, summer 2003
PhD 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:
Akhil Amara, graduate student, TAMU, CREST cruise, Winter 2016
Justin Estep, graduate student, TAMU, CREST cruise, Winter 2016
John Greene, graduate student, TAMU, CREST cruise, Winter 2016
Clint Koch, graduate student, U Arizona, CREST cruise, Winter 2016
Lindsay Henning, undergraduate student, U Western Washington, CREST cruise, Winter 2016
Alexis Wright, graduate student, CCNY/USGS, CREST cruise, Winter 2016
Drew Eddy, graduate student, UT, GUMBO cruise, Fall 2010
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

February 2021: El Colegio Nacional, Mexico City, ‘Mapping the Peak Ring, Resurge Deposit, and Top of Melt at the Chicxulub Impact Structure’
July 2020: JpGU-AGU Joint Meeting, ‘IODP/ICDP Expedition 364: Using Geophysical Data to Map Suevite and Impact Melt in the Chicxulub Impact Crater’
July 2020: JpGU-AGU Joint Meeting, ‘Synthesis of Oceanic Crustal Structure from Two-Dimensional Seismic Profiles’
September 2019: Volatile Recycling, Tectonics, and Associated Hazards in the Lesser Antilles (VOILA) workshop Structure and Basin Evolution of the Caribbean-northeastern South America Arc-Continent Collision Zone From the BOLIVAR Project
November, 2018: Imperial College, London, ‘New Synthesis of Oceanic Crustal Structure From Two-Dimensional Profiles’
September, 2018: University of Texas Dallas, ‘The Chicxulub Impact Crater, and an Overview of Marine Geoscience Research at UTIG’
December, 2017: Fall Meeting American Geophysical Union, ‘Unusual Physical Properties of the Chicxulub Crater Peak Ring: Results from IODP/ICDP Expedition 364’
September, 2017: OBS Symposium, ‘A New Synthesis of Ocean Crust Structure from 2D Profiles’
March, 2011: Future Scientific Ocean Drilling: A Workshop for Early Career Scientists, ‘Site Surveys for IODP Expeditions’
February, 2011: Texas A&M University, ‘Chicxulub Crater: What an Impact!’
February, 2011: University of South Dakota, ‘Chicxulub Crater: What an Impact!’
January, 2011: University of Wyoming, ‘Chicxulub Crater: What an Impact!’
January, 2011: University of Oklahoma, ‘Chicxulub Crater: What an Impact!’
January, 2011: University of Wisconsin, ‘Chicxulub Crater: What an Impact!’
October, 2010: University of Missouri, Kansas City, ‘Chicxulub Crater: What an Impact!’
October, 2010: Tulsa University, ‘Chicxulub Crater: What an Impact!’
October, 2010: Kent State University, ‘Chicxulub Crater: What an Impact!’
September, 2010: Purdue University, ‘Chicxulub Crater: What an Impact!’

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'

Meetings and Workshops Attended

American Geophysical Union, Fall Meeting, December 1989-1995, 1997-2009, 2011-2020
Exploring Deep Oceanic Crust Off Hawaii, June 29 – July 1, 2020
Volatile Recycling, Tectonics, and Associated Hazards in the Lesser Antilles (VOILA) workshop, September, 2019
Scientific Ocean Drilling post 2023 (NEXT), May 2019
PROCEED – Expanding Frontiers of Scientific Ocean Drilling, April 2019
Assessment of the *JOIDES Resolution* in Meeting the Challenges of the IODP Science Plan, September 2017
Ocean Bottom Seismometer Workshop, September 2017
Ocean Bottom Seismometer Workshop, October 2015
Increasing the Access to and the Relevance of Marine Seismic Data Workshop, December 2014
IRIS Active Source Data Management Workshop, January 2014
Workshop on Multidisciplinary Transect Drilling During Transits, November 2013
Ocean Bottom Seismometer Workshop, October 2013
European Geophysical Union, Annual Meeting, April 2013
Workshop on Building U.S. Strategies for 2013-2023 Scientific Ocean Drilling, April 30 - May 2, 2012
GeoPRISMS - EarthScope Planning Workshop for the Alaska Primary Site, September 2011
Opportunities for EarthScope Science in Alaska in Anticipation of USArray, May 2011
Experiments with Portable Ocean Bottom Seismographs Workshop, September 2010
Challenges and Opportunities in Academic Marine Seismology, March 2010
IODP New Ventures in Exploring Scientific Targets (INVEST), September 2009.
Scientific Ocean Drilling of Mid-Ocean Ridge and Ridge-Flank Settings (co-convenor), August 2009
Melting, Magma, Fluids and Life, July 2009
Geological Society of America, Annual Meeting, October 2006; 2009
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
 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

Funding History

Grant Number	Title	PI(s)	Start Date	End Date	Award
GG009393, Pre-Drilling Activity	Science Evaluation Panel (SEP) Co-Chair, Gail Christeson	Christeson	April 1, 2020	September 30, 2021	80,526
201903631- 001	Identification and Investigation of Sand Deposits in the Trinity River Paleovalley Offshore Galveston, Texas	Goff	January 1, 2020	December 31, 2021	1,372,530
ConTex 2019-72	3D imaging of drill sites within the Chicxulub impact crater: Seeking new insights into the impact hydrothermal system and recovery of life	Gulick	September 1, 2019	August 31, 2021	70,869

GG009393, Pre-Drilling Activity	Constraining the Effects of Low-temperature Hydrothermal Systems: High-resolution Velocity Modeling in Support of IODP Expeditions 390 and 393	Christeson	August 26, 2019	February 29, 2020	27,554
OCE- 1737351	Collaborative Proposal: Chicxulub Impact Effects and the Recovery of Life Using Scientific Drilling Investigations at Ground Zero	Gulick, Christeson, Stockli	August 15, 2017	August 14, 2019	\$566,407
GG013106-02	IEDA 2016-2021: Academic Seismic Portal at UTIG for Processed Seismic Data	Christeson	May, 2017	April 2020	\$153,457
GG009393, Post Expedition Activity	Expedition 364 Core-Log Seismic Integration of the Chicxulub Drill Site	Christeson	January, 2017	December, 2017	\$15,000
BOEM, M16AC00020	Texas Offshore Sediment Resources Inventory: Development and Application of Geophysical Processing Workflows for Sand Resource Evaluation	Goff, Gulick, Christeson	September 16, 2016	September 30, 2018	\$415,802
GG009393	USSP Salary Support for IODP Expedition 364	Christeson	April, 2016	February, 2017	\$28,193
GG0010799	Marine Geoscience Data System support for seismic derived products and for field data from non- traditional facilities	Christeson	January, 2016	December, 2016	\$69,610
OCE- 1537108	Collaborative Research: Evolution of South Atlantic Oceanic Crust: A Seismic Transect	Christeson	August, 2015	July, 2018	\$389,405
T352A59, Post Expedition Activity	IBM Forearc Logging Data: Comparison With Oceanic Crust	Christeson	May, 2015	January, 2016	\$15,000
T352A59	Salary Support for IODP Izu-Bonin Mariana Forearc Expedition 352	Christeson	July, 2014	January, 2015	\$54,886

GG002806	Marine Geoscience Data System support for seismic derived products and for field data from non-traditional facilities	Christeson	November, 2013	October, 2016	\$209,507
OCE-1348454	Collaborative Research: A Community Seismic Experiment Targeting the Pre-, Syn-, and Post-rift Evolution of the Mid Atlantic US Margin	Van Avendonk, Christeson	August, 2013	July, 2016	\$159,403
G11AC20096	Multichannel Seismic Survey of Abyssal Gulf of Alaska in Support of US Extended Continental Shelf Assessment	Gulick, Christeson	April, 2011	April, 2013	\$198,986
Industry Funded	Seismic Refraction Study of the Northern Gulf of Mexico	Norton, van Avendonk, Stoffa, Christeson	Mar, 2010	Mar, 2013	\$3,267,636
EAR-1009986	Collaborative Research: St. Elias Tectonics and Erosion Project (STEEP)	Gulick, Christeson, Horton, van Avendonk	01 Oct, 2010	30 Sep, 2013	\$325,940
COL subaward SA9-03	Workshop: Scientific Ocean Drilling of Active Mid-Ocean Ridge and Ridge-Flank Settings	Hayman, Christeson	01 Apr, 2009	01 Apr, 2010	\$17,790
OCE-0853523	SGER: Seismic Waveform Inversion Study of the Layer 2A/2B Boundary in Young Oceanic Crust	Christeson	01 Jan, 2009	30 June, 2010	\$50,424
EAR-0607529	Collaborative Research: Crust-Mantle Interactions at an Oblique Arc-Continent Collision Zone: The SE Caribbean Plate Boundary	Christeson, Mann	01 Aug, 2006	31 July, 2010	\$182,471
JOI subaward JSA6-02	Workshop: Planning joint IODP/ICDP drilling of the Chicxulub impact crater	Christeson, Gulick	01 Nov, 2005	31 Oct, 2006	\$4,500
EAR-0408584	Collaborative Research: St. Elias Tectonics and Erosion Project (STEEP)	Gulick, Christeson, Mann, van Avendonk	01 Aug, 2004	31 July, 2009	\$769,119

IRIS subaward 367	IRIS summer internship 2004	Christeson	01 June, 2004	31 Aug, 2004	\$5,600
IRIS subaward 355	IRIS summer internship 2003	Christeson	01 June, 2003	31 Aug, 2003	\$5,800
OCE-0221101	Collaborative Research: Imaging and Modeling Impact Generated Deformation at the Chicxulub Crater, Joint US/UK/Mexico Investigation and IODP Site Survey	Gulick, Christeson	01 Jan, 2003	31 Dec, 2005 (no-cost extension to Dec 31, 2007)	\$523,145
GEO-0224501	Cataclysms and Catastrophes – The Role of Science in Natural and Human-Induced Disasters	Ellins, Gutierrez, Gulick, Christeson	01 Oct, 2002	30 Sep, 2004	\$105,633
OCE-0137286	Correlation of Seismic Structure with Observed Outcrop Geology: MCS/OBS Investigation of Hess Deep and Blanco Transform	Christeson, McIntosh, Nakamura	01 Aug 2002	31 July 2005 (no-cost extension to July 31, 2007)	\$637,914
EAR-0003588	Collaborative Research: Crust-mantle interactions during continental growth and high-pressure rock exhumation at an oblique arc-continent collision zone: SE Caribbean margin	Mann, Christeson	01 Aug 2001	31 July 2005 (no-cost extension to July 31, 2007)	\$448,552
OPP-9814041	The Young Marginal Basin as a Key to Understanding the Rift-Drift Transition and Andean Orogenesis: OBS Refraction Profiling for Crustal Structure in Bransfield Strait, West Antarctica	Austin, Dalziel, Nakamura, and Christeson	01 Jul 1999	30 June 2002	\$668,854
OCE-9818868	Structure Across Center of Chicxulub Impact Crater	Christeson	01 Mar 1999	28 Feb 2001	\$94,091
OCE-9617751	Structure, Tectonics and Sediment Flow into the Lesser Antilles Subduction Zone	Bangs, Shipley, Christeson, and Nakamura	16 Jan 1998	15 Jan 2001	\$854,416

OCE-9415716	Structure of the Chicxulub KT Impact Crater, Yucatan, Gulf of Mexico	Buffler, Nakamura, Christeson	01 Apr 1996	31 Mar 1999	\$353,000
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Journal/Book Publications (h-index = 38, citations = 5386, Google Scholar)

1. Nixon, C., D. Schmitt, R. Kofman, J. Lofi, S.P.S. Gulick, S. Sastrup, G. Christeson, & D. Kring (2021). Borehole seismic observations from the Chicxulub impact drilling: Implications for seismic reflectivity and impact damage, *Geochem. Geophys. Geosyst.*, *in press*.
2. Wei, X., Ding, W., Christeson, G. L., Li, J., Ruan, A., Niu, X., Zhang, J., Zhang, Y., Tan, P., Wu, Z., Wang, A., & Ding, H. (2021). Mesozoic suture zone in the East China Sea: Evidence from wide-angle seismic profiles, *Tectonophysics*, 229116, doi:10.1016/j.tecto.2021.229116
3. Christeson, G.L., J.V. Morgan, and S.P.S. Gulick (2021), Mapping the Chicxulub impact stratigraphy and peak ring using drilling and seismic data, *J. Geophysical Res. – Planets*, 126, e2021JE006938, doi:10.1029/2021JE006938.
4. Estep, J., R. Reece, G. Christeson, D. Kardell, and R. Carlson (2021), 70 Million Years of Seafloor Spreading and Magmatism in the South Atlantic, *Earth Planet. Sci. Lett.*, 574, 117173, doi:10.1016/j.epsl.2021.117173.
5. Kardell, D., Z. Zhao, E. Ramos, J. Estep, G. Christeson, and R. Reece (2021), Tectonic activity near the Rio Grande Rise increases fluid flux in old oceanic crust, *Geophysical Research Letters*, 48, e2021GL094624, doi:10.1029/2021GL094624.
6. Cockell, C. S., Schaefer, B., Wuchter, C., Coolen, M. J. L., Grice, K., Schnieders, L., Morgan, J. V., Gulick, S. P. S., Wittmann, A., Lofi, J., Christeson, G. L., Kring, D. A., Whalen, M. T., Bralower, T. J., Osinski, G. R., Claeys, P., Kaskes, P., de Graaff, S. J., Déhais, T., Goderis, S., Hernandez Becerra, N., Nixon, S., & I.-I. E. S. (2021). Shaping of the Present-Day Deep Biosphere at Chicxulub by the Impact Catastrophe That Ended the Cretaceous. *Frontiers in Microbiology*, 12(1413). doi:10.3389/fmicb.2021.668240.
7. Kardell, D., Z. Zhao, E. Ramos, J. Estep, G. Christeson, R. Reece, and M. Hesse (2021), Fluid flow models constrained by fine-scale seismic velocities confirm hydrothermal cooling of 7-63 Ma South Atlantic crust, *J. Geophysical Research Solid Earth*, 126(6), e2020JB021612. doi:10.1029/2020JB021612.
8. Christeson, G., R.S. Reece, D.A. Kardell, J.D. Estep, A. Fedotova, and J.A. Goff (2020). South Atlantic Transect: Variations in Oceanic Crustal Structure at 31°S, *Geochem. Geophys. Geosyst.*, 21, e2020GC009017, doi:10.1029/2020gc009017.
9. Estep, J., Reece, R., Kardell, D. A., Perez, N. D., Christeson, G. L., and R.L. Carlson (2020). Intraplate deformation of oceanic crust near the Rio Grande Rise in the South Atlantic, *Tectonophysics*, 790, 228543, doi:10.1016/j.tecto.2020.228543.
10. Kring, D. A., Tikoo, S. M., Schmieder, M., Riller, U., Rebolledo-Vieyra, M., Simpson, S. L., Osinski, G. R., Gattacceca, J., Wittmann, A., Verhagen, C. M., Cockell, C. S., Coolen, M. J. L., Longstaffe, F. J., Gulick, S. P. S., Morgan, J. V., Bralower, T. J., Chenot, E., Christeson, G. L., Claeys, P., Ferrière, L., Gebhardt, C., Goto, K., Green, S. L., Jones, H., Lofi, J., Lowery, C. M., Ocampo-Torres, R., Perez-Cruz, L., Pickersgill, A. E., Poelchau, M. H., Rae, A. S. P., Rasmussen, C., Sato, H., Smit, J., Tomioka, N., Urrutia-Fucugauchi,

- J., Whalen, M. T., Xiao, L., & Yamaguchi, K. E. (2020). Probing the hydrothermal system of the Chicxulub impact crater. *Science Advances*, 6(22), eaaz3053. doi:10.1126/sciadv.aaz3053
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