

A1. List of funded projects in GeoPRISMS and MARGINS

Summary

	GeoPRISMS	MARGINS
Number of Funded Projects	37	134
Number of PIs	100	278
Early Career PIs	23	48
Female PIs	33	45
Percentage of Early Career PIs	23%	17%
Percentage of Female PIs	33%	16%
Percentage of Interdisciplinary Projects	27%	13%
Percentage of Collaborative Projects	49%	40%
Number of PIs per project	2.7	2.1

PIs	Award #	Proposal Title	Amount awarded to date	Initiative	Primary Site/Theme	# PIs	# ECI	# Fem	Inter-disc. Project	Collab. project
FY 2015 (GeoPRISMS)										
Nathan Bangs (postdoc: Shuoshuo Han)	1457221	Investigation of the hydrogeologic role of faults in the downgoing plate through comparison of Central America, Cascadia, Nankai, and Alaska subduction zones	\$256,975	SCD	CAM, Nankai, AA	2	1	1		
Peter Kelemen, Steve Goldstein, Yue Cai	1457293	Collaborative Research: Focused Study of Aleutian Plutons and their Host Rocks: Understanding the building blocks of	\$200,003	SCD	AA	3		1		1
Jeff Freymueller	1457361	Interseismic Slip Deficit at the Edge of a Locked Patch: Shumagin Islands, Alaska	\$238,803	SCD	AA	1				
Kerry Key	1456710	Collaborative Research: Magnetotelluric and Seismic Investigations of Arc Melt Generation, Deliver and Storage	\$409,057	SCD	AA	2	1		1	1
Ninfa Bennington	1456749		\$444,075				1	1		
Terry Plank	1456814	Collaborative Research: From the Slab to the Surface: Origin, Storage, Ascent and Eruption of Volatile-Bearing Magmas	\$106,055	SCD	AA	3		1	1	1
Diana Roman, Erik Hauri	1456939		\$76,474					1		
Eric Mittlestaedt (postdoc: Aurore Sybrandt)	1456664	Emplacement of regularly spaced volcanic centers in the East African Rift: Melt production or melt extraction?	\$120,596	RIE	EARS	2	1	1		
Ron Cole	1456630	Collaborative Research: Active kinematics of lithospheric extension along the East African Rift	\$107,250	RIE	EARS	1				1
FY 2014 (GeoPRISMS)										
Rebecca Bendick	1347192	Collaborative Research: Active kinematics of lithospheric extension along the East African Rift	\$47,814	RIE	EARS	2		1		1
Robert King	1347282		\$53,906							
Katie Keranen, Geoff Abers	1347262	Collaborative Research: The Aleutian megathrust from trench to base of the seismogenic zone; integration and synthesis of laboratory, geophysical and geological data	\$175,303			6	1	1	1	1
Donna Shillington, Anne Becel, Mladen Nedimovic	1347312		\$139,925	SCD	AK		1	2		
Demian Saffer	1347343		\$105,512							
Liz Cottrell	1347248	Collaborative Research: The role of oxygen fugacity in calc-alkaline differentiation and the creation of continental crust in the Aleutian arc.	\$114,469			3		1		1
Katie Kelley	1347330		\$62,808	SCD	AK			1		
Matt Jackson	1347377		\$8,783							
Chris Marone, Demian Saffer (postdoc: den Hartog)	1347344	Runaway Slip: Understanding Nucleation of Subducting Megathrust Earthquakes and Slow Slip Precursors	\$110,000	SCD		3	1			
FY 2013 (GeoPRISMS)										
Dave Chadwell	1249876	Constraining slip distribution of the Cascadia Subduction Zone Offshore Central Oregon with Seafloor Geodesy	\$421,567	SCD	CAS	1				
Taryn Lopez (postdoc)	1250148	Geochemical constraints on the source, flux, migration, and seismic signature of volcanic fluids, Katmai Volcanic Cluster, Alaska	\$309,907	SCD	AA	1	1	1		
Rob Harris	1249552	Thermal structure of the Cascadia subduction zone, Grays Canyon Discovery Corridor, Washington	\$39,188	SCD	CAS	1				
Peter van Keken	1249353	Collaborative Research: the role of fluids in intermediate-depth seismicity and wedge anisotropy: Case studies for Cascadia and Alaska, with a comparison to Japan	\$176,865			3			1	1
Brad Hacker	1249486		\$75,489	SCD	CAS, AA					
Geoff Abers old grant number:	1446970		\$129,472							
Elizabeth Johnson	1249438	Collaborative Research: Virginia's Volcanoes: a Window into Eastern North America Mantle Processes	\$81,485	RIE	ENAM	2	1	1		1
Esteban Gazel	1249412		\$271,612				1			
Bernard Hallet	1250130	Collaborative Proposal: Modeling Sediment Production from Glaciers off south-central Alaska during Quaternary Climate Oscillations	\$195,855	SCD	AA	3				1
Peter Koons, Sean Birkel	1249909		\$165,005					1		
P. van Keken	1339783	GeoPRISMS Office Support	\$777,368	ALL		1				
Harm van Avendonk, Gail	1348454	Collaborative Research: A community seismic experiment targeting the pre-, syn-, and post-rift evolution of the Mid Atlantic US margin	\$153,594			12		1	1	1
Matt Hornbach, Beatrice Magnani	1348124		\$344,452				2	1		
Steven Harder	1347024		\$205,951							
Maureen Long	1347310		\$27,349	RIE	ENAM			1	1	
Brandon Dugan	1348228		\$32,353							
Paul Wiita (for Maggie Benoit)	1348934		\$48,128						1	
Donna Shillington, Jim Gaherty,	1347498		\$233,089					1	2	
Dan Lizarralde	1348342		\$102,554							
Paul Wiita (for Maggie Benoit)	1251329	Collaborative Research: Mantle Dynamics, Lithospheric Structure, and Topographic Evolution of the Southeastern US Continental Margin	\$151,977			3		1	1	1
Scott King	1250988		\$126,756	RIE	ENAM					
Maureen Long	1251515		\$178,138				1	1		

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FY 2012 (GeoPRISMS)										
Ken Creager, Olivier Bachmann, Heidi Houston, John Vidale	1144568	Collaborative Research: Illuminating the architecture of the greater Mt. St. Helens magmatic systems from slab to surface	\$923,868			8		1	1	1
Alan Levander	1144455		\$991,023	SCD	CAS					
Adam Schultz, Paul Bedrosian	1144353		\$386,221				1			
Geoff Abers	1444275		\$92,860							
Neal Blair	1144483	The Subduction Margin Carbon Cycle: A Preliminary Assessment of the Distribution Patterns of Multicycle Carbon	\$264,535	SCD	CAS, AA	1				
Emily Brodsky (Abijhit Ghosh, postdoc)	1144695	GeoPRISMS Postdoctoral Fellowship: Systematic search and characterization of very low frequency earthquakes and offshore tremor in Cascadia using the Amphibious Array	\$217,916	SCD	CAS	2	1	1		
Dave Chadwell	1144493	Potential contributions of Seafloor Geodesy to understanding slip behavior along the Cascadia Subduction Zone	\$67,243	SCD	CAS	1				
Brian Jicha, Brad Singer	1144494	Collaborative Research: A 21st Century Reconnaissance of Aleutian Arc Inception	\$197,814	SCD	AA	3				1
Suzanne Kay	1144499		\$102,173					1		
Paul Johnson, Evan Solomon	1144164	Thermal Structure of the Cascadia Subduction Zone on the Washington Margin	\$472,360	SCD	CAS	2			1	
Peter Kelemen, Steve Goldstein, Sydney Hemming	1144759	Collaborative Research: Plutons as ingredients for continental crust: Pilot study of the differences between intermediate plutons and lavas in the intra-oceanic Aleutian arc	\$99,105	SCD	AA	4		1		1
Matthew Rioux	1144648		\$35,046							
Adam Kent, Robert Duncan, Anita Grunder	1144555	The explosive volcanic history of the Central Oregon Cascades: Probing the changing state of the Neogene Cascade arc	\$360,078	SCD	CAS	3				
Peter Lonsdale, Marty Grove, David Kimbrough	1144558 1144392 1144367	Collaborative Research: Dating Submerged Continental Crust Beneath the Southern Gulf of California, and a Synthesis of the Magmatic and Tectonic History of This MARGINS Focus Site	\$63,109 \$82,408 \$83,802	RCL	GoC	3				1
Yang Shen (postdoc: Haijing Gao)	1144771	Developing a comprehensive model of subduction and continental accretion at Cascadia	\$206,576	SCD	CAS	2	1	1		
FY 2011 (GeoPRISMS)										
Matt Pritchard	1049611	Collaborative Research: Faulting Processes During Early Stage Rifting: Analysis of an Unusual Earthquake Sequence in Northern Malawi	\$11,602			4			1	1
Jim Gaherty, Scott Nooner, Donna Shillington	1049620		\$102,793	RIE	EARS			1		
Kyle Straub	1049387	Collaborative Research: Reconstructing ancient passive margin dynamics by relating geomorphic and stratigraphic surfaces: a combined laboratory and field study	\$192,729			2	1		1	1
Benjamin Sheets (left for industry)	1049582		\$0	RIE						
Greg Hirth	1049582	Experimental Constraints on the Rheology and Seismicity of Subducting Lithosphere and the Slab-Wedge Interface	\$363,600	SCD		2				
David Goldsby										
J. Morgan	1046795	GeoPRISMS Office Support – Building Beyond MARGINS	\$1,760,624	ALL		1		1		
Demian Saffer, Chris Marone (Hiroki Kitajima postdoc)	1049591	MARGINS Post-Doctoral Fellowship Research: Evolution of Sediment Physical Properties in the Nankai Subduction Zone and	\$165,864	SCD	Nankai	3	1	1		
Magali Billen (postdoc: Naliboff)	1049660	Postdoctoral Fellowship: 3D Numerical Models of the Dynamic Generation of Outer Rise Faults	\$179,947	SCD		2	1	1		
Ellen Syracuse	1049533	MARGINS: Seismic Evidence for Hydration of the Central American Slab: Guatemala Through Costa Rica	\$108,261	SCD	CAM	2	1	1		
Cliff Thurber										

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FY 2010 (MARGINS)										
Harold Tobin	0948292	Characterization of fault zone sediments from borehole logging data at the Nankai Trough (NanTroSEIZE Project)	\$167,826	SEIZE	Nankai	1	0			
Chuck Nittrouer	0948008	Collaborative Research: Synthesis of MARGINS Source-to-Sink	\$64,822	S2S	NZ, PNG	2	0			1
Steve Kuehl	0948106		\$45,177				0			
Becky Dorsey	0948170	Collaborative Research: Reconstructions of the Gulf of California-Salton Trough Plate Boundary Since 14 Ma: A Digital Synthesis of	\$48,344	RCL	GoC	3	0	1		1
Mike Oskin	0948169		\$47,004				0			
Paul Umhoefer	0948167		\$103,467				0			
Sergio Fagherazzi	0948213	MARGINS Post-Doctoral Fellowship: A synthesis model for the Fly	\$187,509	S2S	PNG	1	1			
Tara Kniskern	0948319	MARGINS Post-Doctoral Fellowship: Investigating sediment dynamics on the Waipaoa River shelf, New Zealand: creating a	\$228,641	S2S	NZ	1	1	1		
Don Forsythe	0947870	Collaborative Research: Enhanced 3-D tomography of the crust	\$106,085	RCL	GoC	2	0			1
Brian Savage	0948098		\$50,153			2	1			
Dan Lizarralde	0841063	Collaborative Research: Mantle Serpentinization and Water Cycling Through the Mariana Trench and Forearc	\$445,769	SF	IBM	2	0			1
Doug Wiens	0841074		\$413,112				0			
Axel Schmitt	0948162	MARGINS: Controls on Magma Generation at Incipient Spreading	\$24,863	RCL	GoC	1	0			
Jeff Marshall	0948312	Collaborative Research: Seismogenesis of the Middle America Trench at the Nicoya Peninsula over multiple seismic cycles	\$90,156	SEIZE	CAM	2	0		1	1
James Spotila	0948290		\$109,524				0			
FY 2009 (MARGINS) (orange = ARRA)										
Neal Driscoll, Alistair Harding, Graham Kent	0927446	Marine Seismic Reflection and Refraction Study of the Salton Trough	\$903,928	RCL	GoC	3	0			
Steve Constable, Kerry Key	0841114	Collaborative Research: SERPENT: serpentinite, Extension and Regional Porosity Experiment across the Nicaraguan Trench	\$700,003	SF	CAM	4	1			1
Rob Evans, Dan Lizarralde	0840894		\$269,702				0			
Josh Roering	0841111	Sediment production via landsliding in the Waipaoa: Temporal and spatial variability using InSAR, LiDAR, air photos, and Be-10	\$326,175	S2S	NZ	1	0			
Katie Kelley	0841108	MARGINS: Collaborative Research: The Oxidation State of Mariana Arc Magmas and its Relationship to Subduction Volatile	\$265,204	SF	IBM	2	1	1		1
Liz Cottrell	0841006	and Mass Cycling					1	1		
John Walsh, David Corbett	0841092	Collaborative Research: Formation, Reworking and Accumulation of Sedimentary Deposits, Waipaoa River Shelf, New Zealand	\$384,874			4	0			1
Courtney Harris	0841049		\$164,023	S2S			0	1		
Andrea Ogston	0840887		\$339,081				0	1		
Tim Dixon	0841091	Collaborative Research: A Plate Boundary Observatory on the Nicoya Peninsula, Costa Rica	\$199,743	SEIZE	CAM	2	0			1
Susan Schwartz	0841061		\$247,171				0	1		
Marc Spiegelman	0841079	Collaborative Research: Advanced models of magma migration at convergent MARGINS	\$276,065	SF		2	0			1
Peter van Keken	0841075		\$56,164				0			
Sue Bilek	0840908	Collaborative Research: Defining locations and patch sizes for slow earthquake ruptures in subduction zones	\$110,334	SEIZE	IBM/CAM	3	0	1		1
Heather DeShon	0841022		\$83,376				1	1		
Bob Engdahl	0841044		\$24,449				0			
Heather DeShon	0841077	Imaging 3D Seismic Velocity and Attenuation Heterogeneity Along the Seismogenic Zone of Costa Rica and Nicaragua	\$132,513	SEIZE	CAM	1	1	1		
Raj Dasgupta	0841035	MARGINS: Collaborative Research: Melting of Carbonate-bearing Sediments in Subduction Zones	\$266,942	SF		2	1			1
Cornelia Class	0841051		\$54,229					1		
Jeremy Boyce, Craig Manning	0840983	MARGINS: Central American Magmatic Volatile Histories as Recorded by Apatite Phenocrysts	\$338,226	SF	CAM	2	1			
Emily Brodsky	0840977	MARGINS FELLOWSHIP: Fluidization of Very Thick Granular Layers in Ancient Thrust Faults (postdoc: Christie Rowe)	\$202,649	SEIZE		2	1	2		
Mark Reagan, David Peate, William McLelland	0840862	MARGINS: Mariana Forearc Geology and Early Arc Volcanism	\$153,613	SF	IBM	3	0			
Susanne Straub	0840848	MARGINS: The Sr-Nd-Pb-Hf Isotope Evolution of the Mariana Island Arc	\$232,546	SF	IBM	1	0	1		
Mark Behn, Alison Shaw	0840800	A Synthesis of the Physical State of the Mantle Wedge in Costa Rica-Nicaragua and Izu-Bonin-Mariana	\$166,739	SF	IBM/CAM	3	2	1	1	1

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Bob Stern	0840794	MARGINS: Collaborative Research: Synthesis and Integration of	\$193,000			5	0		1	1
Jim Gill	0840981	Magma-genetic Controls for Subduction Factory Focus Sites	\$69,000	SF	IBM		0			
Mark Feigenson, Mike Carr	0840574		\$69,001				0			
Peter van Keken	0840448		\$68,829				0			
FY 2008 (MARGINS)										
Jim Gill	0751600	Cenozoic crustal genesis in SW Pacific arcs and backarcs	\$345,035	SF	NZ	1	0			
Miguel Goni	0742526	Collaborative Research: Geomorphodynamic Modulation of	\$414,585			3	0			1
Bill Dietrich	0742210	Biogeochemical Fluxes and Basin Stratigraphy of the Fly River	\$30,001	S2S	PNG		0			
Anthony Aufdenkampe	0742478		\$81,006				1			
Kurt Roggensack	0742460	MARGINS: Collaborative Research: Origins of Local Variations in	\$75,771	SF	CAM	2	0			1
Jim Walker	0742458	Subduction-Related Fluids: Evidence from Olivine-Hosted Melt Inclusions from the Central American Subduction Zone	\$59,265				0			
Brad Hacker	0742451	Collaborative Research: Element Recycling from UHP	\$141,339	SF		2	0			1
Peter Kelemen	0742368	Metasediments: Evidence and Consequences	\$160,590				0			
Larry Peterson	0742288	Geochemical Core Logging of Gulf of Papua Sediments for Source-to-Sink Studies	\$118,718	S2S	PNG	1	0			
Karen Fischer	0742282	MARGINS: Collaborative Research: Modeling 3-D Wedge Flow	\$152,153	SF	CAM/IBM	2	0	1		1
Chris Kincaid	0742490	with Complex Slab Geometries and Comparisons with Seismic Anisotropy	\$270,351				0			
John Hole	0742263	Collaborative Research: Seismic Imaging of New Transitional	\$932,235	RCL	GoC	2	0			1
Joann Stock	0742253	Crust in the Salton Trough Oblique Rift	\$472,564				0	1		
Emily Brodsky	0742242	MARGINS FELLOWSHIP: The effect of frictional properties in subduction zones on earthquake triggerability	\$183,074	SF, SEIZE	CAM	1	1	1		
Mike Oskin	0739017	Collaborative Research: Testing the Role of Transtension in	\$333,902	RCL	GoC	2	0			1
Becky Dorsey	0738723	Continental Rupture: An Integrative Study of the Sonoran Margin and Tiburón Basin, Northern Gulf of California	\$199,751				0	1		
Brian Savage	0718418	MARGINS: Collaborative Research: 3-D Tomography of the Crust and Upper Mantle Beneath the Gulf Extensional Province and Baja California	\$64,576	RCL	GoC	2	1			1
Don Forsyth	0646668		\$106,157				0			
FY 2007 (MARGINS)										
Erik Hauri	0646869	Collaborative Research: MARGINS--The Relationship Between	\$50,510	SF	IBM	2	0			1
Alison Shaw	0646694	Water, Trace Elements and Slab Dehydration Across the Mariana and Izu-Bonin Arcs	\$397,533				1	1		
Erik Hauri	0646868	MARGINS: Collaborative Research: Experimental Investigation of	\$75,000	SF		2	0		1	1
Glenn Gaetani	0646765	Water Solubility in Arc Magmas at Upper Mantle Conditions	\$339,092				0			
Kevin Brown, Michael Tryon	0646811	Hydrologic Monitoring at the Nantroseize OOST Zone: A Pilot	\$145,916	SEIZE	Nankai	2	1			
Tobias Fischer	0642832	MARGINS: Constraining the Process of Volatile Transfer from the	\$75,095	SF	IBM	1	0			
Clark Alexander	0646771	Collaborative Research: Late Quaternary Framework of the	\$181,832	S2S	NZ	2	0			1
Steve Kuehl	0646760	Waipaoa Continental Margin: Quantifying Mass Fluxes and Event Stratigraphy for Integrated Source-to-Sink Studies	\$148,834				0			
Geoff Abers	0646768	Workshop to Integrate Subduction Factory and Seismogenic Zone Studies in Central America; Costa Rica - July 2007	\$136,953	SF, SEIZE	CAM	1	0			
Peter van Keken	0646757	Collaborative Research: 3D modeling of subduction in the Pacific	\$97,052			3	0		1	1
Karen Fischer	0646667		\$70,421	SF			0	1		
Geoff Abers	0646632		\$77,587				0			
Ben Holtzman	0646696	MARGINS Postdoctoral Fellowship: Deciphering the Role of Melt	\$210,846	RCL		1	1			
Thomas McCollom	0646643	Collaborative Research: Modeling the Chemistry, Origin, and Evolution of Subduction Zone Fluids Rising Beneath the Mariana Forearc	\$163,707	SF	IBM	2	0			1
Michael Mottl	0646630		\$159,400				0			
Peter Lonsdale	0646563	The submarine magmatic record of the transition from arc	\$392,444	RCL	GoC	1	0			
Elena Leithold/Neal Blair	0646159	Source to Sink Generation of Biogeochemical Stratigraphic Signals	\$499,997	S2S	NZ	2	0	1		
Tobias Fischer	0642832	MARGINS: Constraining the Process of Volatile Transfer from the	\$75,095	SF	CAM	1	0			
Zach Sharp/Tobias Fischer	0620160	SGER: Chlorine Isotopes as Tracers of Subduction Zone Fluids	\$82,163	SF	CAM	2	0			

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FY 2006 (MARGINS)										
Rick Hervig	0549082	MARGINS Post-doctoral fellowship - Jeremy Boyce: Exploring the Record of Magmatic Volatiles in a Volcanic Arc via H, C, F, S, and Cl in Apatite	\$207,970	SF	CAM	2	1			
Doug Wiens, James Conder	0549056	MARGINS: Dynamics of the Mariana Subduction Factory Determined From Seismic Observations and Geodynamic Modeling	\$201,579	SF	IBM	2	1		1	
Steve Goldstein, Susanne Straub	0549055	MARGINS: Cl Isotope Systematics of Neogene Izu Arc Volcanic Rocks	\$107,569	SF	IBM	2	0	1		
Terry Plank	0549051	Magmatic Water along the Central American Arc	\$157,299	SF	CAM	1	0	1		
Andrew Kurtz	0549037	A Source-to-Sink Study of Chemical Weathering in the Fly River	\$174,853	S2S	PNG	1	1			
J. Casey Moore	0549017	Where Have All the Earthquakes Gone?	\$208,463	SEIZE		1	0			
Neil Driscoll	0548931	Collaborative Research: Developing a Further Quantitative	\$114,008			3	0			1
John Milliman	0548882	Understanding of Clinoform Formation, Gulf of Papua	\$49,129	S2S	PNG		0			
Rudy Slingerland	0548387		\$56,161				0			
W. Roger Buck	0548877	Collaborative Research: The Influence of Magmatism on the	\$112,886			2	0			1
Mark Behn	0548672	Evolution of Continental Rifts	\$83,000	RCL			1			
James Cochran	0548812	Integration of the Industry 2-D and 3-D Multichannel Seismic Data With Underway Geophysical Data to Investigate the Structure of the Northern Red Sea	\$214,896	RCL	Red Sea	1	0			
Gregory Moore, Patrizia Pisani	0505789	Inputs to the Nankai Trough Seismogenic Zone: Effects of Large-scale Lateral Variations in Basement Topography and Sediment Thickness	\$187,796	SEIZE	Nankai	2	1	1		
Jeff McGuire	0548785	Examining Changes in Earthquake Triggering Behavior Across the Ocean-Continent Transition, Gulf of California	\$176,768	RCL	GoC	1	0			
Glenn Spinelli	0540908	MARGINS: Hydrothermal Circulation Within Subducting Ocean Crust: Implications for Subduction Zone Temperatures	\$105,300	SF	CAM	1	1			
Susan Schwartz	0506463	Collaborative Research: Seismic, Aseismic and Slow Transient	\$165,357			2	0	1		1
Tim Dixon	0506382	Deformation at the Costa Rica Seismogenic Zone	\$237,369	SEIZE	CAM		0			
Sergio Fagherazzi, Xiaolong Hu	0505987	Collaborative Research: Modeling Sediment Delivery and Related	\$69,330			2	1			1
Irene Overeem, Scott Peckham	0504465	Stratigraphy in a Tidal Dominated Delta: Fly River Papua, New Guinea	\$92,791	S2S	PNG		1	1		
Michael Carr, Mark Feigenson, Carl Swisher, Brent Turrin	0505924	Volcanic Growth Rates and Elemental Fluxes From Central America	\$40,000	SF	CAM	4	0			
Andy Nyblade, Arthur Rodgers, Eric Sandvol	0505812	Seismic Structure of the Crust and Upper Mantle in the Central and Northern Red Sea Focus Site	\$104,314	RCL	Red Sea	3	0			
Paul Umhoefer	0505348	Collaborative Research: Neotectonics across an active Oblique-Divergent Plate Margin, Southwestern Gulf of California	\$186,236	RCL	GoC	1	0			
John Swenson	0504719	MARGINS Source to Sink: Collaborative Research on Shoreline	\$154,212			3	1			1
Jesse McNinch, Courtney Harris	0504690	Progradation and Sediment Exchange Between the Coastal Plain and Inner Shelf, Waipaoa Sedimentary System	\$522,731	S2S	NZ		1	1		
FY 2005 (MARGINS)										
Steve Goldstein, Conny Class, Susanne Straub	0453515	Reconstructing Slab and Mantle Fluxes During the Eocene-Oligocene Evolution of the Izu-Bonin Volcanic Arc	\$219,383	SF	IBM	3	0	2		
Greg Moore	0451790	Collaborative Research: A 3-D Seismic Investigation of the Nankai	\$3,249,567			5	0		1	1
Demian Saffer	0451602	Trough Plate Boundary	\$156,572	SEIZE	Nankai		1			
Nathan Bangs, Sean Gulick	041790	System in the Kumano Basin	\$496,380				1			
Susan Schwartz	0440396	Distinguishing Tectonic Mechanisms of Extension and Forearc				3	0	1		1
Kirk McIntosh, Paul Mann	0440143	Translation near the Central American Volcanic Arc by High-Resolution Seismic Profiling in Lakes Nicaragua and Managua	\$288,850	SEIZE	CAM		0			
JP Walsh	0405785	Collaborative Research: Sediment Dynamics on the Actively	\$185,728			3	0			
Clark Alexander	0405726	Deforming Waipaoa Continental Slope: An Examination of a Dispersal System Sink		S2S	NZ		0			
Greg Hirth	0405709	Collaborative Research: Rheology of Altered Oceanic Lithosphere	\$291,583			2	0			1
Brian Evans	0405613		\$54,231	SEIZE			0			

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Jim Walker	0405666	MARGINS: Collaborative Research: Temporal and Spatial	\$79,335			2				1
Marc Hirschmann	0405656	Variations in Magma Generation and Slab Influence Across the Central	\$39,507	SF	CAM		0			
Steve Holbrook, Mike Cheadle	0405654	Collaborative Research: Seismic measurements of magma flux, arc composition, and lower-plate serpentinization in the Central American subduction factory	\$1,464,350			5	0			1
Dan Lizarralde	0405608		\$225,797							
Peter Kelemen	0405572, 0520378		\$87,766	SF	CAM		0			
Harm Van Avendonk	0405556		\$363,314				1			
Bob Stern	0405651	Mantle Inputs to the Subduction Factory: Assessing Scales of Spatial Variability along and across the IBM Convergent Margin	\$449,818	SF	IBM	1	0			
Alan Chave, Rob Evans	0405641	US and Japanese Collaborative Research: A Magnetotelluric (MT) Transect Across the Mariana Subduction Factory	\$1,070,111	SF	IBM	2	0			1
Steve Kuehl	0405524	Collaborative Research - Resolution of the Stratigraphic Record for a High Input, Collision-Margin Shelf Basin: The MARGINS Waipaoa Focus Area	\$341,197			2	0			1
Lincoln Pratson	0405515		\$214,292	S2S	NZ		0			
Robert Clayton, Jeroen Ritsema	0405437	The NARS-Baja Seismic Array: Continued Operations and Research	\$225,000	RCL	GoC	2	0			
Mark Reagan	0405262	MARGINS Post-doctoral Fellowship - Jennifer Garrison: Time-scales and mechanisms of differentiation of mafic parents to rhyodacite in Central America	\$163,017	SEIZE	CAM	2	0	1		
FY 2004 (MARGINS)										
Julie Morris, Doug Wiens	0325002	Support of the Margins Office at Washington	\$1,259,564	ALL		2	0	1		
Neil Driscoll, JP Walsh	0305779	Collaborative Research: Developing a Quantitative Understanding of Clinoform Formation, Gulf of Papua	\$178,842			4	0			1
Rudy Slingerland	0305699		\$193,884	S2S	PNG		0			
John Milliman	0305607		\$191,001				0			
Adam Kent	0305755	Melt Inclusions in Izu Arc Lavas: Examining	\$137,856	SF	IBM	1	1			
Daniel Stockli	0305731	Collaborative Research: Integrated Thermochronological & Structural Investigation of the Saudi Arabian Red Sea Rift	\$177,428			2	1			
Gomaa Omar	0305692	Margin: Implications for the Rupturing of Continental Lithosphere	\$172,526	RCL	Red Sea		0			
Andre Droxler, Gerald Dickens	0305688	Collaborative Research: Late Quaternary Siliciclastic and Carbonate Sediments and Sediment Fluxes on the Slopes and Basin floors of the Ashmore and Pandora Troughs, Gulf of PNG	\$359,696			5				1
Harry Roberts, Samuel Bentley	0305373		\$242,196	S2S	PNG		1			
Larry Peterson	0305250		\$233,429				0			
William Ryan, Dale Chayes, Suzanne Carbotte	0305614	Collaborative Research: MARGINS Focus Site Data Management	\$539,857	ALL		3	0	1		
Matt Fouch	0305564	Mantle Dynamics of the Izu-Bonin Subduction	\$135,052	SF	IBM	1	1			
Robert Reilinger	0305480	Geodetic Constraints on the Kinematics and Dynamics of Active Rifting of the Northern and Central Red Sea	\$486,203	RCL	Red Sea	1	0			
J. Gaherty	0305454	Collaborative Research: Upper-Mantle Structure beneath the Gulf of California	\$178,151				0			1
John Collins	0305140		\$136,020	RCL	GoC		0			
James Conder, Doug Wiens	0305292	A Numerical Investigation of the Relative Importance of Different Melting Mechanisms at Volcanic Arcs	\$95,133	SF		2	1			1
David Hilton	0305248	Collaborative Research: Constraining the Volatile and Slab Flux in the Izu-Bonin-Mariana MARGIN using Geothermal Fluids, Phenocrysts and Melt Inclusions	\$239,720			3	0			1
Tobi Fischer	0305218		\$149,227	SF	IBM		1			
Erik Hauri	0305052		\$303,225				0			
Derrill Kerrick	0305137	Quantification of Metamorphic Devolatilization in the Subduction Factory Focus Sites: Implications to Fluid Fluxes, Seismicity, and Volatile Recycling	\$164,010	SF		1	0			
Mike Underwood	0304946	MARGINS Postdoctoral Fellowship: The Role of Sediment Diagenesis and Dewatering on Fluid and Heat Flow, Costa Rica Margin	\$100,000	SEIZE	CAM	1	1			

PIs	Award #	Proposal Title	Amount awarded to date	Initiative	Primary Site/Theme	# PIs	# ECI	# Fem	Inter-disc. Project	Collab. project
FY 2003 (MARGINS)										
Demian Saffer	0241482	Collaborative Research: Seismic Velocity, Compaction, and Pore	\$124,833			3	1		1	1
Greg Moore	0241380	Pressure in Underthrust Sediments, Nankai Subduction Zone	\$115,465	SEIZE	Nankai		0			
Harold Tobin	0241375		\$178,765				0			
Steve Kuehl	0240054	Margins Workshop On The Waipaoa Source-to-Sink Focus Area	\$142,571	S2S	NZ	1	0			
Garry Karner	0237131	NSF-MARGINS Seismogenic Zone Theoretical Earth Institute	\$99,987	SEIZE		1	0			
Tobias Fischer	0234544	Field Workshop on the Chemistry and Flux of Volcanic Volatiles: Nicaragua and Costa Rica	\$15,000	SF	CAM	1	1			
Garry Karner	0207315	MARGINS Workshop: Subduction Factory	\$93,251	ALL		1	0			
Kevin Brown	0203830	Hydrologic Controls on the Initial State of the Incoming Plate: Costa Rica	\$113,095	SEIZE	CAM	1	0			
Kevin Brown	0203799	Collaborative Research: Frictional and Mineralogical Properties of Sediments Entering Subduction Zones: Controls on Stress State and Earthquakes	\$150,456	SEIZE	CAM, Nankai	2	0			1
Mike Underwood	0203260		\$106,025				0			
J. Casey Moore	0203664	What Locks Subduction Thrusts?	\$179,148	SEIZE	Nankai	1	0			
Geoff Abers, Terry Plank	0203650	Collaborative Research: Imaging the Mantle in the Central American Subduction Factory	\$478,134	SF	CAM	3	0	1	1	1
Karen Fischer	0203607		\$285,041				0	1		
Peter Lonsdale, Pat Castillo	0203636	Indirect Study of Subducted Oceanic Lithosphere at the Central American Margin	\$192,166	SF, SEIZE	CAM	2	0		1	
Paul Umhoefer	0203616	Collaborative Research: The Four-Dimensional Pattern of Rifting in the Southern Gulf of California	\$46,231			2	0		1	1
Peter Lonsdale	0203348		\$188,750	RCL	GoC		0			
William Dietrich	0203577	Collaborative Research - Processes Controlling Depositional Signals of Environmental Change in the Fly River Sediment	\$338,133			6	0			1
Charles Nittrouer, Andrea Ogston, Richard Sternberg	0203351	Dispersion system: Rates and Mechanisms of Floodplain Deposition	\$549,971	S2S	PNG		1	1		
Jeff Marr, Gary Parker	0203296		\$111,877							
Mike Carr, Carl Swisher, Mark Feigenson	0203388	Determination of Volcanic Flux Rates and Application to Understanding Regional Geochemical Trends and Element Mass Balances in Central America	\$180,063	SF	CAM	3	0			
FY 2002 (MARGINS)										
Greg Hirth, Peter Kelemen (Magali Billen postdoc)	0125919	Convection of the Mantle Wedge Above Subduction Zones	\$99,971	SF		3	1	1	1	
Steve Holbrook	0112152	Margins: Collaborative Research: Seismic and geologic study of Gulf of California rifting and magmatism	\$246,862			5	0		1	
Gary Axen	0112149		\$180,149				0			
Graham Kent	0112058		\$525,755	RCL	GoC		0			
Dan Lizarralde	0111983		\$504,921				1			
Paul Umhoefer	0111738		\$105,501				0			
Robert Clayton	0111650	MARGINS: NARS-Baja: A Five-Year Deployment of Broadband Seismic Instruments around the Gulf of California	\$156,070	RCL	GoC	1	0			
John Eiler	0112132	MARGINS: Oxygen Isotope Studies of the Central American Arc	\$151,315	SF	CAM	1	0			
Glenn Gaetani	0112013	Margins: Experimental Investigation of Hydrous Peridotite	\$229,745	SF		1	0			
James Syvitski	0111623	Margins: Community Sedimentary Model Science Plan for Sedimentology and Stratigraphy	\$50,000	S2S		1	0			
Peter van Keken	0111459	Margins: Workshop on Modeling of Subduction Zone Dynamics and Thermal Structure	\$20,735	SF, SEIZE		1	1			
Chris Kincaid	0105456	MARGINS: Laboratory Experiments on 3-D Circulation and Temperature Distribution in Subduction Zones	\$143,480	SF, SEIZE		1	0			
Garry Karner, James Cochran, Michael Steckler	0102179	MARGINS Education and Planning Workshop: Rupturing Continental Lithosphere at the Red Sea/Gulf of Suez	\$115,521	RCL	Red Sea	3	0			

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FY 2001 (MARGINS)										
Michael Steckler, Garry Karner	0094425	Margins Workshop: Rupturing Continental Lithosphere at the Gulf of California/Salton Sea	\$59,825	RCL	GoC	2	0			
Eli Silver	0079714	Workshop to Integrate MARGINS Studies in Central America	\$59,700	SF, SEIZE	CAM	1	0			
Geoffrey Wheat	0002031	Collaborative Research: The Thermal State of	\$300,134			5	0		1	1
Rob Harris	0001944	20-25 Ma Lithosphere Subducting at	\$61,551				1			
Carol Stein	0001941	the Costa Rica Margin, Implications for Hydrogeology, Fluxes, and the	\$99,615	SF, SEIZE	CAM		0	1		
Andrew Fisher, Eli Silver	0001892	Seismogenic Zone	\$269,653				0			
G. Karner	0079660	NSF Margins Office Support	\$758,882	ALL	-	1	0			
John Hildebrand	0002878	US-Japan Collaborative Research: Multi-Scale Seismic Imaging of	\$328,520			7	0		1	1
Simon Klemperer	0001956	the Mariana Subduction Factory	\$437,437				0			
Doug Wiens, Gideon Smith	0001938		\$574,862	SF	IBM		1			
Brian Taylor, Gregory Moore, Patricia Fryer, Andrew Goodliffe	0001798		\$506,264				1	1		
Peter Clift	0002715	Collaborative Research: Mantle Inputs to the Subduction Factory:	\$24,677			4	0		1	1
Sherman Bloomer, Roger Nielsen	0001876	Assessing Scales of Spatial Variability Along and Across the IBM	\$213,505	SF	IBM		0			
Robert Stern	0001827	Convergent Margin	\$338,705				0			
Mark Reagan	0001902	Collaborative Research: Magma Generation and Tectonics in the	\$211,507			3	0			1
Rosemary Hickey-Vargas	0001826	Early Mariana Arc System Revisited	\$43,733	SF	IBM		0	1		
Barry Hanan	0001824		\$124,857				0			
Terry Plank	0001897	Collaborative Research: Volatiles (H ₂ O and CO ₂) in Mariana and	\$187,963			3	0	1		1
Tim Grove	0001821	Izu Arc Magmas	\$252,140	SF	IBM		0			
Edward Stolper	0001825		\$64,266				0			
Chris Marone	0001871	Laboratory Frictional Studies of Fault Gouge: A Test of Hypotheses for Controls on the Updip Limit of the Seismogenic Zone Along Subduction Thrusts	\$200,000	SEIZE		1	0			
Mike Underwood	0001768	Strike-Parallel Variations in Clay Mineralogy and Their Impact on the Cascadia Seismogenic Zone	\$69,767	SEIZE	CAS	1	0			
FY 2000 (MARGINS)										
Derrill Kerrick, David Egglar	9975231	Quantification of Metamorphic Decarbonation and CO ₂ Degassing in Subduction Zones: Implications to Fluid Fluxes, Volatile Recycling and the Global Carbon Cycle	\$308,010	SF		2	0			
Lui-Heung Chan	9905540	Lithium Isotope Compositions of Volcanic Arc Lavas: A Study of Processes and Fluxes in Subduction Zones	\$177,869	SF		1	0	1		
Brian Taylor	9905455	MARGINS Theoretical and Experimental Institute: Inside the Subduction Factory	\$115,137	SF		1	0			
Kevin Brown	9907201	Benthic Flux Meter Study Across the Costa Rica Margin	\$64,564	SF, SEIZE	CAM	1	0			
Susan Schwartz	9910609	Collaborative Research: Imaging the Seismogenic Zone with Geodesy and Seismology: Two Land Ocean Transects Across	\$385,957			4	0	1	1	1
LeRoy Dorman	9910350	Costa Rica and the Middle America Trench	\$410,788	SF, SEIZE	CAM		0			
Tim Dixon	9905469		\$362,563				0			
Eli Silver	9909859	Collaborative Research: Structure of the Nicaragua/Costa Rica	\$148,118			2	0			
Kirk McIntosh	9905355	Subduction Zone: A Framework for the Subduction Factory and Seismogenic Zone Initiatives	\$437,368	SF, SEIZE	CAM		0			
Charles Nittrouer	9908347	Source to Sink: MARGINS Science Plan for Sedimentology and Stratigraphy	\$70,000	S2S		1	0			
Patricia Fryer, Fernando Martinez	9907063	Subduction Factory Studies in the Southern Mariana Convergent Margin: Side-Scan, Geophysical and Petrologic Investigations	\$385,720	SF	IBM	2	0	1	1	
Brian Taylor	9905642	MARGINS Theoretical and Experimental Institute: Rheology and Deformation of the Lithosphere at Continental Margins	\$117,760	RCL		1	0			
Larry Ruff	9905503	Interaction between Earthquakes, Stress, Temperature, and Fluid Flow in the Seismogenic Zone	\$51,680	SEIZE		1	0			
Harold Tobin	9905477	Experimental Investigation of Decollement Zone Mechanics and Consolidation State, Barbados and Nankai Accretionary Prisms	\$77,148	SEIZE	Nankai	1	0			