

National Report to SCAR for year: 2011-2012

MEMBER COUNTRY: USA

Activity	Contact Name	Address	Telephone	Fax	Email	web site
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NATIONAL SCAR COMMITTEE

The National Academies Polar Research Board	Chris Elfring	Polar Research Board The National Academies 500 Fifth Street NW, W603 Washington DC 20001	202 334 3512	202 334 3825	celfring@nas.edu	
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SCAR DELEGATES

1) Delegate/ President, Executive Committee	Terry Wilson	Ohio State University Department of Geological Sciences 155 South Oval Mall Columbus, OH 43210	(614) 292-0723	(614) 292-7688	twilson@mps.ohio-state.edu	
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2) Alternate Delegate	Deneb Karentz	Departments of Biology and Environmental Science HR 347 University of San Francisco 2130 Fulton Street San Francisco, CA 94117-	(415) 422-2831	(415) 422-6363	karentzd@usfca.edu	
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STANDING SCIENTIFIC GROUPS

LIFE SCIENCES

1) Voting Member	Alison Murray	Associate Research Professor, Division of Earth and Ecosystem Sciences Desert Research Institute 2215 Raggio Parkway Reno, NV 89512	775 673 7361	775 673 7485	Alison.Murray@dri.edu	
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2)	Deneb Karentz	Departments of Biology and Environmental Science HR 347 University of San Francisco 2130 Fulton Street San Francisco, CA 94117-1080	(415) 422-2831	(415) 422-6363	karentzd@usfca.edu	
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Activity	Contact Name	Address	Telephone	Fax	Email	web site
3)	Marc Shepanek	Deputy Chief of Medicine of Extreme Environments NASA 300 E Street Southwest Washington, DC 20024-3210	202 358 2201		marc.a.shepanek@nasa.gov	
4)	Diana Wall	Professor and Director Natural Resource Ecology Laboratory Colorado State University Fort Collins, CO 80523-1499	970 491 2504	970 491 3945	diana@nrel.colostate.edu	

GEOSCIENCES

1) Voting Member	W Berry Lyons	Director Byrd Polar Research Laboratory The Ohio State University 1090 Carmack Road Columbus, OH 43210-1002	1 614 688 3241	1 614 292 4697	lyons.142@osu.edu	
2)	Philip J Bart	Associate Professor Department of Geology and Geophysics Louisiana State University E-235 Howe-Russell Baton Rouge, LA 70803	1 225 578 3109	1 225 578 2302	pbart@lsu.edu	
3)	Brenda Hall	Associate Professor of Glacial and Quaternary Studies Climate Change Institute University of Maine 303 Bryand Orono, ME 04469	1 207 581 2190	1 207 581 1203	BrendaH@maine.edu	

Activity	Contact Name	Address	Telephone	Fax	Email	web site
4)	Douglas A Wiens	Professor of Earth & Planetary Sciences Department of Earth & Planetary Sciences Washington University 1 Brookings Drive, CB 1169 Saint Louis, MO 63130-4899	1 314 935 6517	1 314 935 7361	doug@kermadec.wustl.edu	

PHYSICAL SCIENCES

1) Voting Member	Allan T Weatherwax	Associate Professor of Physics Siena College Department of Physics 515 Loudon Road Loudonville, NY 12211-1462	518 786 5089	518 783 4294	aweatherwax@siena.edu	
2)	Terry Deshler	Professor, Department of Atmospheric Sciences, College of Engineering University of Wyoming Dept 3038, 1000 E University Avenue Laramie, WY 82071	(307) 766-2006	(307) 766-2635	deshler@uwyo.edu	
3)	Christina Hulbe	Portland State University Department of Geology Room 17 Cramer Hall 1721 SW Broadway Portland OR 97201	(503)725-3388		chulbe@pdx.edu	
4)	Joseph McConnell	Research Professor and Director Ultra-Trace Chemistry Laboratory Desert Research Institute 2215 Raggio Parkway Reno, NV 89512	775 673 7348		Joe.McConnell@dri.edu	

SCIENTIFIC RESEARCH PROJECTS

AAA

1) Chair, Working Group A: Site testing, validation and data archiving	Tony Travouillon	TMT project 102-08 Caltech 1200 E. California Blvd CA 91125 USA	626 395 5863	626 395 8909	tonyt@astro.caltech.edu	
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Activity	Contact Name	Address	Telephone	Fax	Email	web site
ACE						
1) Steering Committee (Co-Chair), Oligocene/Miocene Sub-Program	Robert M. DeConto	Department of Geosciences University of Massachusetts 233 Morrill Science Center Amherst, MA 01003-9297	413-545-3426		deconto@geo.umass.edu	
2) Scientific Steering Committee	Robert A. Arko	Lamont-Doherty Earth Observatory Columbia University 61 Route 9W Palisades, NY 10964 USA Associate Professor Earth and Environmental Studies	(845) 365-8752		arko@ldeo.columbia.edu	
3) Scientific Steering Committee	Sandra Passchier	Montclair State University Mallory Hall 352 Montclair, NJ 07043 Department of Geological and Environmental Sciences	973 655-3185	973 655-4072	passchiers@mail.montclair.edu	
4) Scientific Steering Committee (ex officio)	Robert B. Dunbar	Stanford University, 325 Braun Hall Stanford, CA 94305-2115	(650) 725-6830	(650) 725-0979	dunbar@stanford.edu	
5) Scientific Steering Committee	Ross D. Powell	Department of Geology Northern Illinois University DeKalb, IL 60115	815/753-7952	815/753-1945	ross@geol.niu.edu	
AGCS						
1)	Paul Mayewski	Climate Change Institute University of Maine Bryand Global Sciences Center Orono, ME 04469-5790 Polar Meteorology Group Byrd Polar Research Laboratory The Ohio State University 1090 Carmack Road Columbus, OH 43210- 1002	207/581-3019	207/581-1203	paul.mayewski@maine.edu	
2)	David Bromwich	Dept of Earth & Environmental Science University of Texas at San Antonio One UTSA Circle San Antonio, TX, 78249	614-292-6531	614-292-4697	bromwich.1@osu.edu	
3)	Steve Ackley	University of Texas at San Antonio One UTSA Circle San Antonio, TX, 78249	210-458-6793	210-458-4469	sackley@pol.net	

ACTION GROUPS

Activity	Contact Name	Address	Telephone	Fax	Email	web site
1) Environmental Contamination in Antarctica	W. Berry Lyons	Byrd Polar Research Laboratory The Ohio State University 1090 Carmack Road Columbus, OH 43210-1002	(614) 688-3241	(614) 292-4697	lyons.142@osu.edu	
6) Multibeam Data Acquisition	Phil Bart				pbart@lsu.edu	
	Frank Nitsche				fnitsche@ldeo.columbia.edu	
EXPERT GROUPS						
ANTARCTIC CLIMATE CHANGE AND THE ENVIRONMENT (ACCE)						
1)	Paul Mayewski					
ANTARCTIC DIGITAL MAGNETIC ANOMALY PROJECT (ADMAP)						
1)	Ralph R.B. von Frese	Dept. of Geological Sciences The Ohio State University 125 S. Oval Mall Columbus, Ohio 43210			vonfrese@geology.ohio-state.edu	
2)	Carol Finn	USGS DFC Box 25046, MS 966 Denver, CO 80225-0046			cfinn@usgs.gov	
3)	Patrick Taylor	Code 921 NASA/GSFC Greenbelt, MD 20771			ptaylor@ltpmail.gsfc.nasa.gov	
4)	Louis (Skip) Kovacs	Naval Research Laboratory Marine Geosciences Division 4555 Overlook Ave SW Washington, DC 20375			skip@hp8c.nrl.navy.mil	
5)	Anahita Tikku	Laboratory for Satellite Altimetry E/RA31, SSMC III, Station 3712 1315 East-West Highway			anahita@amos.grdl.noaa.gov	

Activity	Contact Name	Address	Telephone	Fax	Email	web site
6)	Hyung Rae Kim	Planetary Geodynamics Laboratory NASA/GSFC, Code 698 Greenbelt, MD 20771			kimhr@core2.gsfc.nasa.gov	
7)	John Behrendt	Institute of Arctic and Alpine Research University of Colorado Boulder, CO 80309-0450			behrendj@stripe.colorado.edu	
8)	Robin Bell	Research Scientist Lamont-Doherty Earth Observatory Columbia University PO Box 1000, 61 Route 9W Oceanography Bldg 107D Palisades, NY 10964			robinb@ldeo.columbia.edu	
9)	Mike Purucker	Raytheon ITSS at Geodynamics Branch NASA Goddard Space Flight Center Greenbelt, MD, USA 20771			purucker@geomag.gsfc.nasa.gov	

ADVANCING TECHNOLOGICAL AND ENVIRONMENTAL STEWARDSHIP FOR SUBGLACIAL EXPLORATION IN ANTARCTICA (ATHENA)

Alberto Behar	University of Illinois at Chicago In Situ Instrument Systems Section NASA Jet Propulsion Laboratory 4800 Oak Grove Dr. M/S 107-102 Pasadena, CA 91109	(818) 354-4417	Alberto.Behar@asu.edu
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GEODETC INFRASTRUCTURE OF ANTARCTICA (GIANT)

**Project Co-Leader,
High Accuracy
Kinematic GNSS
Positioning and GNSS
Modernization
Program and Project
Leader, Civil Signals –
Monitoring
Interoperability and
Compatibility Issues**

Larry Hothem	International Federation of Surveyors US Geological Survey, National Mapping Division 521 National Center 12201 Sunrise Valley Drive Reston, VA 20192		ldhothem@gmail.com
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Activity	Contact Name	Address	Telephone	Fax	Email	web site
Project Co-Leader, GNSS Modernization Program and Civil Signals – Monitoring Interoperability and Compatibility Issues	Bjorn Johns	UNAVCO 6350 Nautilus Drive Boulder, CO 80301-5554	303-381-7500	303-381-7501	johns@unavco.org	
PERMAFROST AND PERIGLACIAL ENVIRONMENTS (PPE)						
Deputy Chief Officer	James Bockheim	Department of Soil Science 263 Soils Bldg 1525 Observatory Drive Madison, WI 53706	(608) 262.2633		bockheim@facstaff.wisc.edu	
ANTARCTIC PERMAFROST AND SOILS (ANTPAS)						
Coordinating Committee/Soils and geomorphological group	James Bockheim	Department of Soil Science 263 Soils Bldg 1525 Observatory Drive Madison, WI 53706	(608) 262.2633		bockheim@facstaff.wisc.edu	
Coordinating Committee/ Permafrost Group	Ron Sletten	Department of Earth and Space Sciences University of Washington Johnson Hall Rm-070, Box 351310 4000 15th Avenue NE Seattle, WA 98195-1310	206-543-0571	206-543-0489	sletten@ess.washington.edu	
HUMAN BIOLOGY AND MEDICINE						
1)	Marc Shepanek	Deputy Chief of Medicine of Extreme Environments NASA Headquarters 300 E Street SW Washington, DC 20024-3210			marc.a.shepanek@nasa.gov	
BIRDS AND MARINE MAMMALS						
1)	Donna Patterson- Fraser	Polar Oceans Research Group PO Box 368 Sheridan, MT 59749 USA	406-842-7447	406-842-7442	patterdo@3rivers.net	
2)	Dan Costa	Long Marine Laboratory University of California 100 Shaffer Road Santa Cruz, CA 95060 USA	(831) 459-2786	(831) 459-3383	costa@biology.ucsc.edu	
INTEGRATING CLIMATE AND ECOSYSTEM DYNAMICS (ICED)						

Activity	Contact Name	Address	Telephone	Fax	Email	web site
1)	Dan Costa	Long Marine Laboratory University of California 100 Shaffer Road Santa Cruz, CA 95060 USA	(831) 459-2786	(831) 459-3383	costa@biology.ucsc.edu	
2)	Eileen Hofmann	Center for Coastal & Physical Oceanography, Old Dominion University 4111 Monarch Way, Norfolk, VA 23508, US			hofmann@ccpo.odu.edu	
3)	Walker Smith	Virginia Institute of Marine Science (VIMS), College of William and Mary, Gloucester Point, VA 23692, US			wos@vims.edu	

OPERATIONAL METEOROLOGY IN THE ANTARCTIC (OpMET)

1)	Chester Clogston	SPAWAR/ATS 8514 Long Meadow Drive North Charleston, SC 29420	843-218-5271		chester.clogston@navy.mil	
2)	Michael Carmody		(720) 568-2310		Michael.Carmody@usap.gov	
3)	Matt Lazarra	Antarctic Meteorological Research Center Space Science and Engineering Center University of Wisconsin - Madison 1225 West Dayton Street	(608) 262-0436	(608) 263-6738	mattl@ssec.wisc.edu	
4)	Pablo Clemente- Colon	NOAA/NESDIS/E/RA World Weather Building, Suite 701 5200 Auth Road Camp Springs, Maryland 20746	(301) 763-8127		pablo.clemente-colon @natice.noaa.gov	

SOUTHERN OCEAN OBSERVING SYSTEM (SOOS)

1)	Steve Ackley	Dept of Earth & Environmental Science University of Texas at San Antonio One UTSA Circle San Antonio, TX, 78249	210-458-6793	210-458-4469	sackley@pol.net	
2)	Dan Costa	Long Marine Laboratory University of California 100 Shaffer Road Santa Cruz, CA 95060 USA	(831) 459-2786	(831) 459-3383	costa@biology.ucsc.edu	

Activity	Contact Name	Address	Telephone	Fax	Email	web site
3)	Oscar Schofield	Coastal Ocean Observation Lab, Institute of Marine and Coastal Sciences Rutgers University New Brunswick, NJ 08903- SCOR Secretariat College of Earth, Ocean, And Environment	732-932- 6555x548		oscar@imcs.rutgers.edu	
4)	Ed Urban	Robinson Hall University of Delaware Newark, DE 19716	302-831-7011		www.scor-int.org	

ICE SHEET MASS BALANCE AND SEA LEVEL (ISMASS)

	Christina Hulbe	Portland State University Department of Geology Room 17 Cramer Hall 1721 SW Broadway Portland OR 97201	(503)725-3388		chulbe@pdx.edu	
	Cornelis J Vanderveen	Department of Geography 1475 Jayhawk Blvd 203 Lindley Hall University of Kansas Lawrence, KS 66045-7613	785-864-7725		cjvdv@ku.edu	

INTERNATIONAL PARTNERSHIPS IN ICE CORE SCIENCES (IPICS)

1) Co-Chair	Edward Brooke	Assoc. Prof. Dept. of Geosciences Oregon State University 130 Wilkinson Hall	541 737 8197	541 737 1200	brooke@geo.oregonstate.edu	
2)	Joan Fitzpatrick	USGS Box 25046, MS 980 Denver, CO 80225			jfitz@usgs.gov	
3)	Joe McConnell	Desert Research Institute Division of Hydrological Sciences 2215 Raggio Parkway Reno, NV 89512			jmconn@dri.edu	
4)	Jeff Severinghaus	Scripps Institute of Oceanography 9500 Gilman Dr. La Jolla, CA 92093-0230			jseveringhaus@ucsd.edu	

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5)	Eric Steig	Earth and Space Sciences University of Washington Johnson Hall 070 Box 351310 4000 15th Avenue NE Seattle, WA 98195-1310			steig@ess.washington.edu	
6)	Jim White	Department of Geological Sciences University of Colorado Boulder 1560 30th St Boulder, CO 80309			james.white@colorado.edu	

NATIONAL ANTARCTIC DATA CENTRE

U.S. Antarctic Program Data Coordination Center	Robert Arko	Lamont-Doherty Earth Observatory Columbia University 61 Route 9W Palisades NY, 10964	(845) 818-3745	303 492 2468	info@usap-data.org	
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SCAR Database

The US is responsible for the Antarctic Master Directory which is part of the Global Change Master Director run by NASA. The AMD can be found at http://gcmd.gsfc.nasa.gov/KeywordSearch/Home.do?Portal=amd&MetadataType=0freetext/ft_search.html

SDLS - Hosted by the U.S. Geological Survey Western Coastal & Marine Geology (WCMG) Team and U.S. National Science Foundation Office of Polar Programs

U.S. ANTARCTIC PROGRAM RESEARCH PROJECTS, 2011-2012 (BY PRINCIPAL INVESTIGATOR)

PRINCIPAL INVESTIGATOR	EVENT NO.	PROJECT TITLE
Ainley, David	B-031-M	Geographic structure of Adélie penguin populations: Demography of population change http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=170
Alley, Richard	I-168-M	Collaborative research: Physical properties of the WAIS Divide deep core http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=213
Anandakrishnan, Sridhar	C-520-M	WISSARD surface geophysics http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=400
Anderson, Kent	G-090-P/S	Global Seismograph Station at South Pole and Palmer Station http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=181
Ashworth, Allan	G-294-M	Collaborative Research: Integrating geomorphological and paleoecological studies to reconstruct Neogene environments of the Transantarctic Mountains http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=306
Avallone, Linnea	O-324-M	Augmenting the Ross Island-area automatic weather station network to develop a tropospheric ozone climatology http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=500
Balco, Gregory	I-156-M	Collaborative Research: Last glacial maximum and deglaciation chronology for the Foundation Ice Stream and southeast Weddell Sea Embayment http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=411
Barrett, John	B-508-M	McMurdo LTER - Landscape Ecology: Increased connectivity in a polar desert resulting from climate warming: McMurdo Dry Valley LTER Program http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=482
Barwick, Steven W	A-127-M	Development of hexagonal hadio array for the ARIANNA ultra-high energy neutrino detector http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=472
Bentley, Charles	T-350-M	Ice Coring and Drilling Services (ICDS) support for WAIS Divide http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=198

Bieber, John	A-120-M	Cosmic ray observations at McMurdo Station http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=290
Bindschadler, Robert	C-407-M	IPY: Collaborative Research: Ocean-ice sheet interaction in the Amundsen Sea: The keystone of West Antarctic stability http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=340
Blankenship, Donald	G-098-M	International cryospheric exploration through collaborative aerogeophysical profiling/Operation Ice Bridge (OIB) http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=502
Bockheim, James	G-239-P	Impact of recent climate warming on active-layer dynamics, permafrost, and soil properties on the western Antarctic Peninsula http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=450
Bowser, Samuel	B-043-M	Evolution and diversity of Antarctic Rhizarian Protists http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=443
Bristow, William	A-369-M/S	McMurdo and South Pole SuperDARN http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=442
Brown, Michael	G-097-M	Collaborative research: Polyphase orogenesis and crustal differentiation in West Antarctica http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=448
Buckley, Bradley	B-308-M	The cellular stress response in cold-adapted organisms: Building novel mechanistic links between heat stress, cell cycle arrest and apoptosis in Antarctic fishes. http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=396
Bucklin, Ann	B-285-L	Population ecology of <i>Salpa thompsoni</i> based on molecular indicators http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=475
Butler, James	O-257-M/S	South Pole monitoring for climatic change http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=87
Butler, James	O-264-P	Collection of atmospheric air for the NOAA/GMD worldwide flask sampling network http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=137

Butler, James	O-257-M/S	UV Measurements at McMurdo Station for the NOAA/Global Monitoring Division (GMD) Antarctic UV network http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=489
Carlstrom, John	A-379-S	Cosmological Research with the ten-meter South Pole Telescope http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=106
Carlstrom, John	A-370-S	Science Coordination Office for Astrophysical Research in Antarctica (SCOARA-II) http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=291
Cassar, Nicolas	O-405-L	Physiological and ecosystem structure forcings on carbon fluxes in the Southern Ocean mixed layer http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=492
Chereskin, Teresa	O-313-N	Collaborative research: Dynamics and transport of the Antarctic Circumpolar Current in the Drake Passage http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=255
Chereskin, Teresa	O-317-L/N	Collaborative research: Southern Ocean current observations from the U.S. Antarctic research vessels http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=358
Chu, Xinzhao	A-130-M	LIDAR investigation of middle atmosphere temperature, composition, chemistry, and dynamics at McMurdo http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=385
Clauer, C. Robert	A-106-M/S	Polar Experiment Network for Geospace Upper-atmosphere Investigations (PENGUIn): Interhemispheric investigations along the 40-degree magnetic meridian http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=381
Clauer, C. Robert	A-101-M	Collaborative imaging, estimation, and analysis of density distributions in the conjugate polar ionospheres http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=454
Comberiate, Mike	T-966-M	TDRSS and NAILS http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=207
Conway, Howard	I-209-M	Collaborative Research: Deglaciation of the Ross Sea Embayment - constraints from Roosevelt Island

Costa, Daniel	B-232-M	http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=449 Collaborative Research: Weddell seals as autonomous sensors of the winter oceanography of the Ross Sea
Cottle, John	G-064-M	http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=351 Exploring the significance of NA-alkaline magmatism in subduction systems, a case study from the Ross Orogen
Cottrell, Matthew	B-026-P	http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=485 Photoheterotrophic microbes in the West Antarctic Peninsula marine ecosystem
Deming, Jody	B-395-M	http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=389 High resolution genomic and proteomic analyses of a microbial transport mechanism from Antarctic marine waters to permanent snowpack
Ducklow, Hugh	B-045-L/P	http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=462 Palmer Long Term Ecological Research (LTER): Looking back in time through marine ecosystem space, microbial ecology component
Ducklow, Hugh	B-252-L	http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=299 The seasonal cycle of export production in an Antarctic coastal marine ecosystem
Emslie, Steven D	B-034-E/M	http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=474 Stable isotope analyses of pygoscelid penguin remains from active and abandoned colonies in Antarctica
Engebretson, Mark J	A-102-M/S	http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=297 Studies of solar wind: Magnetosphere interactions using observations of ULF waves at manned stations as part of an extensive ground array
Evenson, Paul	A-120-M	http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=133 Cosmic ray observations at McMurdo Station
Evenson, Paul	A-118-S	http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=290 Element composition of high energy solar particles
		http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=336

Foreman, Christine	B-046-M	The biogeochemical evolution of dissolved organic matter in a fluvial system on the Cotton Glacier, Antarctica http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=350
Fountain, Andrew	B-504-M	McMurdo LTER-Glaciers: Increased connectivity in a polar desert resulting from climate warming: McMurdo Dry Valley LTER Program http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=479
Fraser, Bill	B-013-L/P	Palmer Long Term Ecological Research (LTER): Looking back in time through marine ecosystem space, apex predator component http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=292
Garrott, Robert	B-009-M	Interactions of environmental variability, life-history traits, and demography in an apex Antarctic predator http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=216
Gogineni, Prasad	I-189-M	Center for Remote Sensing of Ice Sheets (CREStS) http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=191
Gogineni, Prasad	I-185-M	Center for Remote Sensing of Ice Sheets (CREStS) - UAV Operations http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=354
Hall, Brenda	I-196-M	Sensitivity of the Antarctic Ice Sheet to global climate change over the last two glacial/interglacial cycles http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=412
Halzen, Francis	A-333-S	IceCube operations and maintenance http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=267
Harvey, Ralph	G-058-M	Antarctic Search for Meteorites (ANSMET) http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=226
Hernandez, Gonzalo	A-110-M/S	Austral high-latitude atmospheric dynamics http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=2
Hofmann, Gretchen	B-134-M	Ocean acidification: Integrated approaches to understanding effects on marine invertebrates http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=433

Holland, David	O-286-M	Collaborative Research: Application of distributed temperature sensors (DTS) for Antarctic ice shelves and cavities http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=491
Inan, Umran	A-336-P	ELF/VLF observation of lightning discharge, whistler-mode waves and electron precipitation at Palmer Station http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=135
Johns, Bjorn	T-295-M	UNAVCO GPS survey support http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=11
Joye, Samantha	B-332-M	Distinguishing biotic and abiotic nitrous oxide sources in Mars analog brines, sediments and soils in the McMurdo Dry Valleys, Antarctica. http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=476
Karentz, Deneb	B-466-P	Collaborative Research: Functional Genomics and Physiological Ecology of Seasonal Succession in Antarctic Phytoplankton: Adaptations to Light and Temperature http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=478
Karle, Albrecht	A-107-S	MRI-R2 instrument development of the Askaryan Radio Array, a large-scale radio Cherenkov neutrino detector at the South Pole http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=382
Kemerait, Robert	G-078-M	Dry Valley seismic project http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=86
Kennicutt, Mahlon	B-518-M	Temporal variability in natural and anthropogenic disturbance of McMurdo Station http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=26
Kovac, John	A-039-S	Collaborative Research: BICEP2 and SPUD - A search for inflation with degree-scale polarimetry from the South Pole http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=286
Kulesa, Craig	A-364-S	High Elevation Antarctic Terahertz (HEAT) telescopes for Dome A and Ridge A http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=441
Kyle, Phillip	G-081-M	Mount Erebus Volcano Observatory III (MEVO III): Conduit processes and surveillance http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=361

LaBelle, James	A-128-S	Outstanding questions on auroral radiation fine structure http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=459
Lazzara, Matt	O-283-M/S	Collaborative Research: Antarctic Automatic Weather Station (AWS) program http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=438
Lee, Richard	B-256-P	Role of dehydration and photoperiodism in preparing an Antarctic insect for the polar night http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=368
Levy, Joseph	G-080-M	Rapid landscape change in Garwood Valley: Monitoring buried glacier melt and exploring "Péwé's Lost Lake" http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=466
Lewis, Adam	G-074-M	Collaborative Research: Activation of high-elevation alluvial fans in the Transantarctic Mountains – a proxy for Plio-Pleistocene warmth along East Antarctic ice margins http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=465
Lyons, W. Berry	B-509-M	McMurdo LTER - Geochemistry: Increased connectivity in a polar desert resulting from climate warming: McMurdo Dry Valley LTER Program http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=483
Marsh, Adam	B-383-M	Polar adaptations in the Antarctic polychaete capitella perarmata http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=397
Martinson, Doug	B-021-L	Palmer Long Term Ecological Research (LTER): Looking back in time through marine ecosystem space, physical oceanography component http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=296
Mayewski, Paul	I-173-M	Roosevelt Island Climate Evolution (RICE) project http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=498
McClintock, James	B-027-P	The effects of ocean acidification and rising sea surface temperatures on shallow-water benthic organisms in Antarctica http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=460
McGillicuddy, Dennis	B-318-N	Impact of mesoscale processes on iron supply and phytoplankton dynamics in the Ross Sea

McKnight, Diane	B-506-M	http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=495 McMurdo LTER - Streams: Increased connectivity in a polar desert resulting from climate warming: McMurdo Dry Valley LTER Program http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=464
Mellish, Jo-Ann	B-470-M	Collaborative Research: Thermoregulation in free-living Antarctic phocids: the missing link in effective ecological modeling http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=463
Mercer, Jennifer	T-940-M	CRREL 09-10 activities http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=417
Mikucki, Jill	G-298-M	Resistivity mapping of subsurface microbial habitats in the McMurdo region http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=497
Moore, Anna	A-356-S	The Gattini-UV South Pole camera http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=338
Moore, Robert C	A-109-M/P/S	Collaborative Research: Antarctic ELF/VLF observations of lightning and lightning-induced electron precipitation http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=383
Morin, Paul	T-434-M/P	The Polar Geospatial Information Center: Joint support http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=471
Musser, Jim	A-148-M	Cosmic Ray Electron Synchrotron Telescope (CREST) http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=424
Naveen, Ron	B-044-E	Collaborative Research: Multispecies, multiscale investigations of long-term changes in penguin and seabird populations on the Antarctic Peninsula http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=298
Palo, Scott	A-284-S	Collaborative study of the Antarctic mesosphere and lower thermosphere http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=237
Parker, Timothy	T-299-M	IRIS/PASSCAL seismic support http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=285

Place, Sean	B-199-M	Ocean acidification—category 1: Identifying adaptive responses of polar fishes in a vulnerable ecosystem http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=461
Ponganis, Paul	B-197-M	The physiological ecology of two Antarctic icons: Emperor penguins and leopard seals http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=444
Price, Buford	I-122-M	Climatology, meteorology, and microbial metabolism with dust loggers and fluorimetry http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=468
Priscu, John	B-505-M	McMurdo LTER - Lakes: Increased connectivity in a polar desert resulting from climate warming: McMurdo Dry Valley LTER Program http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=480
Pryke, Clement	A-149-S	Collaborative Research: SPUD and BICEP2 - A search for inflation with degree-scale polarimetry from the South Pole http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=387
Putkonen, Jaakko	G-501-M	Systematic analysis of the stability and ages of soil surfaces in Transantarctic Mountains http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=409
Rack, Frank	C-524-M	WISSARD borehole drill contractor http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=501
Rigor, Ignatius G	O-238-E	Interaction of air, sea ice and ocean around Antarctica http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=488
Rupper, Summer	I-158-M	Collaborative Research: Annual satellite era accumulation patterns over WAIS Divide: A study using shallow ice cores, near-surface radar and satellites http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=430
Schofield, Oscar	B-019-L/P	Palmer Long Term Ecological Research (LTER): Looking back in time through marine ecosystem space, phytoplankton component. http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=294
Severinghaus, Jeffrey	I-169-M	Collaborative Research: A "horizontal ice core" for large-volume samples of the past atmosphere http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=364

Severinghaus, Jeffrey	I-476-M	Collaborative Research: Replicate coring at WAIS Divide to obtain additional samples at events of high scientific interest http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=487
Sprintall, Janet	O-260-L	The Drake Passage high-density XBT/XCTD program http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=19
Stearns, Leigh	I-351-M	Collaborative Research: Byrd Glacier flow dynamics http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=437
Steffen, Konrad	I-077-E	IPY: Stability of Larsen C Ice Shelf in a warming climate http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=311
Steinberg, Deborah	B-020-L/P	Palmer Long Term Ecological Research (LTER): Looking back in time through marine ecosystem space, zooplankton component http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=295
Stepp, Bill	A-145-M	NASA Long Duration Balloon (LDB) Program http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=65
Stone, John	I-414-M	Collaborative Research: Constraints on the last Ross Sea Ice Sheet from glacial deposits in the Southern Transantarctic Mountains http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=413
Swanger, Kate	G-085-M	Collaborative Research: Multinuclide approach to systematically evaluate the scatter in surface exposure ages in Antarctica and to develop consistent alpine glacier chronologies http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=467
Sweeney, Colm	O-214-L	Collaborative research: Biogeochemical controls of the oxygen and carbon system in the Drake Passage http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=499
Szuberla, Curt	T-396-M	Operation and maintenance of a CTBT class infrasound array at Windless Bight http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=199
Taylor, Kendrick	I-477-M	WAIS Divide Science Coordination Office (SCO) http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=414

Taylor, Michael	A-119-M/S	Development of an ANtArctic Gravity Wave Imager Network (ANGWIN) for Collaborative Mesospheric Research http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=457
Taylor, Michael	A-119-M/S	Development of an ANtArctic Gravity Wave Imager Network (ANGWIN) for Collaborative Mesospheric Research http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=289
Thoman, Bruce	T-927-M	NASA/McMurdo Ground Station (MGS) http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=204
Waddington, Edwin	I-162-M	Collaborative research: acoustic logging of the WAIS Divide borehole http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=470
Walker, Christopher	A-136-M	Stratospheric Terahertz Observatory (STO) http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=493
Wall, Diana	B-507-M	McMurdo LTER - Soils: Increased connectivity in a polar desert resulting from climate warming: McMurdo Dry Valley LTER Program http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=481
Wannamaker, Philip	G-494-M	Defining rift mechanisms and the thermal regime of the Lithosphere across Beardmore Glacier region, Central Transantarctic Mountains, using magnetotelluric measurements http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=404
Warren, Joseph	B-393-L	Acoustic assessment of Southern Ocean salps and their ecosystem impact http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=447
Weatherwax, Allan T	A-111-M/S	Studies of the polar Ionosphere and Magnetosphere from measurements in Antarctica http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=234
Weatherwax, Allan T	A-112-M	Polar experiment network for geospace upper-atmosphere investigations: PENGUIn - A high-latitude window to geospace dynamics http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=384
Wiens, Douglas	G-089-M/S	Polenet East: An international seismological network for East Antarctica http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=403

Wilson, Nerida	B-465-N	Using molecular data to test connectivity and the circumpolar paradigm for Antarctic marine invertebrates http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=496
Wilson, Terry	G-079-M	Collaborative research, IPY POLENET-Antarctica: Investigating links between geodynamics and ice sheets http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=270
Winberry, Jeremy	I-181-M	Collaborative Research: Geophysical study of ice stream stick-slip dynamics http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=439
Wu, Qian	A-132-P	Thermospheric neutral wind observation in the Antarctica Peninsula http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=386
Zesta, Eftyhia	A-357-M	South American Meridional B-Field Array (SAMBA): An American-Chilean chain http://www.usap.gov/scienceSupport/sciencePlanningSummaries/2011_2012/scienceSummariesAction.cfm?formAction=detail&ID=238