

MEMBER COUNTRY: USA

NATIONAL REPORT TO SCAR FOR YEAR: 2015-2016

Activity	Contact Name	Address	Email	Web Site
<b>NATIONAL SCAR COMMITTEE</b>				
<b>The National Academies Polar Research Board</b>	Laurie Geller	Senior Program Officer, Staff to Delegation U.S. Polar Research Board National Academy of Sciences 500 Fifth Street NW (K-649) Washington DC 20001	lgeller@nas.edu	<a href="http://dels.nas.edu/prb/">http://dels.nas.edu/prb/</a>
<b>SCAR DELEGATES</b>				
<b>1 Delegate/ President, Executive Committee</b>	Terry Wilson	School of Earth Sciences Ohio State University 275 Mendenhall Lab 125 S Oval Mall Columbus, OH 43210	twilson@mps.ohio-state.edu	
<b>2 Alternate Delegate</b>	Deneb Karentz	Departments of Biology and Environmental Science HR 347 University of San Francisco 2130 Fulton Street San Francisco, CA 94117-1080	karentzd@usfca.edu	
<b>STANDING SCIENTIFIC GROUPS</b>				
<b>GEOSCIENCES</b>				
<b>1 Chief Officer of Geosciences SSG</b>	W Berry Lyons	Director Byrd Polar Research Laboratory The Ohio State University 1090 Carmack Road Columbus, OH 43210-1002	lyons.142@osu.edu	

<b>Activity</b>	<b>Contact Name</b>	<b>Address</b>	<b>Email</b>	<b>Web Site</b>
2	Samantha Hansen	Associate Professor of Geological Sciences University of Alabama 2031 Beville Bldg. Tuscaloosa, AL 35487	shansen@ua.edu	
3	Prof Sridhar Anandakrishnan	Department of Geosciences Earth and Environmental Systems Institute Pennsylvania State University 442 Deike Building University Park, PA 16802	sak@essc.psu.edu	

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### **PHYSICAL SCIENCES**

1	Dr John Cassano	Cooperative Institute for Research in Environmental Sciences University of Colorado at Boulder 216 UCB Boulder, CO 80309	john.cassano@colorado.edu	
2	Prof Erin Pettit	The Glaciers Group 4th Floor -- Geophysical Institute University of Alaska Fairbanks 903 Koyukuk Drive Fairbanks, AK 99775	pettit@gi.alaska.edu	
3	Dr Allan T Weatherwax	Dean, School of Science and Engineering Merrimack College 315 Turnpike Street North Andover, MA 01845	weatherwax@merrimack.edu	

### **LIFE SCIENCES**

Activity	Contact Name	Address	Email	Web Site
1	Prof Charles D Amsler	Department of Biology University of Alabama at Birmingham Campbell Hall 367 1720 2nd Avenue South, CH464 Birmingham, AL 35294-1170	amsler@uab.edu	
2	Prof Byron Adams	Department of Biology Brigham Young University 4127 LSB Provo, UT 84602	byron_adams@byu.edu	
3	Dr Georges M Watters	Antarctic Ecosystem Research Division (AERD) NOAA Fisheries Southwest Fisheries Science Center 8901 La Jolla Shores Drive La Jolla, CA 92037-1508	george.watters@noaa.gov	
<b>4 Chief Officer of Life Sciences SSG</b>	Dr Marc Shepanek	Deputy Chief of Medicine of Extreme Environments NASA Headquarters 300 E Street SW Washington, DC 20024-3210	marc.a.shepanek@nasa.gov	

## SCIENTIFIC RESEARCH PROJECTS

### ASTRONOMY AND ASTROPHYSICS FROM ANTARCTICA (AAA)

<b>1 Steering Committee</b>	Jennifer Cooper	APECS	jrc323@cornell.edu	
<b>2 Steering Committee</b>	James Madsen	Physics Department University of Wisconsin-River Falls 410 S. 3rd Street River Falls, WI 54022	James.Madsen@uwrf.edu	
<b>3 Steering Committee (Chief Officer)</b>	Anna Moore	Caltech Optical Observatories 1200 E. California Blvd Pasadena CA 91125	amoore@astro.caltech.edu	

<b>Activity</b>	<b>Contact Name</b>	<b>Address</b>	<b>Email</b>	<b>Web Site</b>
<b>4 Steering Committee</b>	Lifan Wang	MIST M515 Texas A&M University College Station, TX 77843	lifanwang@gmail.com	
<b>5 Chair, Working Group A: Site testing, validation and data archiving</b>	Tony Travouillon	TMT project 102-08 Caltech 1200 E. California Blvd CA 91125 USA	tonyt@astro.caltech.edu	
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<b>STATE OF THE ANTARCTIC ECOSYSTEM (ANTECO)</b>				
<b>1</b>	Alison Murray	Desert Research Institute Division of Earth and Ecosystem Sciences 2215 Raggio Parkway Reno, NV 89512	Alison.Murray@dri.edu	
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<b>ANTARCTIC THRESHOLDS - ECOSYSTEM RESILIENCE AND ADAPTATION (AnT-ERA)</b>				
<b>1</b>	Byron Adams	Department of Biology Brigham Young University 4127 LSB Provo, UT 84602	byron_adams@byu.edu	
<b>2</b>	Diana Wall	Natural Resources Ecology Laboratory Colorado State University Fort Collins, CO	Diana.Wall@colostate.edu	
<b>3</b>	Craig Smith	Department of Oceanography University of Hawaii at Manoa 1000 Pope Road Honolulu, HI 96822	craigsmi@hawaii.edu	

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**ANTARCTIC CLIMATE CHANGE IN THE 21ST CENTURY (ANTCLIM21)**

Activity	Contact Name	Address	Email	Web Site
<b>1 Steering Committee</b>	Alia Khan	Institute of Arctic and Alpine Research University of Colorado Campus Box 450 Boulder, CO 80309-0450	alialauren@gmail.com	
<b>2 Steering Committee</b>	Paul Mayewski	Climate Change Institute University of Maine Orono, ME 04469-5790	Paul.Mayewski@maine.edu	
<b>3 Steering Committee</b>	Joellen Russell	Department of Geosciences The University of Arizona 1040 E. 4th Street Tucson, AZ 85721	jrussell@email.arizona.edu	
<b>4</b>	David Schneider	National Center for Atmospheric Research P.O. Box 3000 Boulder, CO 80307-3000	dschneid@ucar.edu	
<b>5</b>	Sam Birkel	Climate Change Institute University of Maine Orono, ME 04469-5790	sbirke61@maine.edu	
<b>6</b>	Andrew Carleton	Department of Geography 302 Walker Building The Pennsylvania State University University Park PA 16802	amc7@psu.edu	
<b>7</b>	Isabella Velicogna	University of California, Irvine 3226 Croul Hall Mail Code: 3100 Irvine, CA 92697	isabella@uci.edu	
<b>8</b>	Qinghua Ding	Polar Science Center Applied Physics Laboratory University of Washington 1013 NE 40th Street Box 355640 Seattle, WA 98105-6698	qinghua@u.washington.edu	
<b>9</b>	Eric Larour	NASA Jet Propulsion Laboratory M/S 300-323 4800 Oak Grove Drive Pasadena, CA 91109	eric.larour@jpl.nasa.gov	
<b>10</b>	Walter Meier	NASA/GSFC Mail Code: 615 Greenbelt , MD 20771	walter.n.meier@nasa.gov	

<b>Activity</b>	<b>Contact Name</b>	<b>Address</b>	<b>Email</b>	<b>Web Site</b>
11	Lorenzo Polvani	Columbia University S.W.Mudd, Room 216 500 West 120th Street New York, NY 10027	lmp@columbia.edu	
12	Samantha Stevenson	Climate & Global Dynamics Division National Center for Atmospheric Research 1850 Table Mesa Dr. Boulder, CO 80309	slgs@hawaii.edu	
13	Reed Scherer	Department of Geology and Environmental Geosciences Northern Illinois University Davis Hall 312, Normal Rd. DeKalb, IL 60115	Reed@niu.edu	
14	Rob DeConto	Department of Geosciences 233 Morrill Science Center University of Massachusetts- Amherst Amherst, MA 01003	deconto@geo.umass.edu	
15	Joey Comiso	NASA/GSFC Mail Code: 615 Greenbelt , MD 20771	Josefino.c.comiso@nasa.gov	
16	David Pollard	2217 Earth-Engineering Science Building Pennsylvania State University University Park, PA 16802	pollard@essc.psu.edu	

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**PAST ANTARCTIC ICE SHEET DYNAMICS (PAIS)**

<b>1 Steering Committee</b>	Robert M. DeConto	Department of Geosciences University of Massachusetts 233 Morrill Science Center Amherst, MA 01003-9297	deconto@geo.umass.edu	
<b>2 Steering Committee</b>	Ross D. Powell	Northern Illinois University	rpowell@niu.edu	

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**SOLID EARTH RESPONSE AND INFLUENCE ON CRYOSPHERE EVOLUTION (SERCE)**

<b>Activity</b>	<b>Contact Name</b>	<b>Address</b>	<b>Email</b>	<b>Web Site</b>
1	Samantha Hansen	Department of Geological Sciences University of Alabama Box 870338 Tuscaloosa, AL 35487	shansen@ua.edu	
2	Dusty Schroeder	Department of Geophysics School of Earth, Energy, and Environmental Sciences 397 Panama Mall, Mitchell Building 361 Stanford University Stanford, CA 94305	Dustin.M.Schroeder@stanford.edu	
3	Terry Wilson	Ohio State University Department of Geological Sciences 155 South Oval Mall Columbus, OH 43210	twilson@mps.ohio-state.edu	
4	Alex Simms	University of California, Santa Barbara Department of Earth Science 1006 Webb Hall Santa Barbara, CA 93106	asimms@geol.ucsb.edu	

## STANDING COMMITTEES

### STANDING COMMITTEE ON ANTARCTIC DATA MANAGEMENT (SCADM)

<b>U.S. Antarctic Program Data Coordination Center</b>	Robert Arko	Lamont-Doherty Earth Observatory Columbia University 61 Route 9W Palisades NY, 10964	info@usap-data.org	
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### STANDING COMMITTEE ON ANTARCTIC GEOGRAPHIC INFORMATION (SCAGI)

1	Paul Morin	Polar Geospatial Center University of Minnesota R280 Learning & Environmental Sciences 1954 Buford Avenue Saint Paul, MN 55108	lpaul@umn.edu	
2	Brad Herried	Polar Geospatial Center University of Minnesota R280 Learning & Environmental Sciences 1954 Buford Avenue Saint Paul, MN 55108	herri147@umn.edu	

Activity	Contact Name	Address	Email	Web Site
<b>SCAR Database</b>				
<p>The US is responsible for the Antarctic Master Directory, which is part of the Global Change Master Directory run by NASA. The AMD can be found at <a href="http://gcmd.gsfc.nasa.gov/KeywordSearch/Home.do?Portal=amd">http://gcmd.gsfc.nasa.gov/KeywordSearch/Home.do?Portal=amd</a></p>				
<p>SDLS - Hosted by the U.S. Geological Survey Western Coastal &amp; Marine Geology (WCMG Team and U.S. National Science Foundation Office of Polar Programs</p>				



## U.S. ANTARCTIC PROGRAM RESEARCH PROJECTS, 2015-2016 (BY PRINCIPAL INVESTIGATOR)

Note: Further information on USAP Research projects may be found at <https://www.usap.gov/scienceSupport/contentHandler.cfm?id=2179>.

PRINCIPAL INVESTIGATOR	EVENT NO.	PROJECT TITLE
Aciego, Sarah	I-184-M	Climate controls on aerosol fluxes to Taylor Dome and Taylor Glacier
Ainley, David	B-031-M	Adélie penguin response to climate change at the individual, colony, and metapopulation levels
Albert, Mary	T-350-M	Ice Drill Design and Operations (IDDO) support for WAIS Divide
Albert, Mary	T-150-M	IDPO / IDDO - McMurdo
Anderson, Kent	G-090-P/S	Global seismograph station at South Pole and Palmer Stations
Aydin, Murat	I-164-S	A 1,500-meter ice core from South Pole
Ball, Rebecca Ann	B-300-L	Climatic and environmental constraints on aboveground-belowground linkages and diversity across a latitudinal gradient in Antarctica
Barwick, Steven	A-127-M	Development of hexagonal radio array for the ARIANNA ultra-high-energy neutrino detector
Bell, Robin E	C-384-M	A systems approach to understanding the Ross Ocean and ice Shelf Environment, and Tectonic setting Through Aerogeophysical surveys and modeling (ROSETTA)
Bowser, Samuel	B-043-M	Assembling and mining the genomics of giant Antarctic foraminifera
Bristow, William	A-369-M/S	McMurdo and South Pole SuperDARN: Investigation of the ionospheric dynamics and magnetosphere-ionosphere coupling in Antarctica
Bromirski, Peter D	I-348-M	Dynamic response of the Ross Ice Shelf to wave-induced vibrations
Bromley, Gordon R	I-177-M	Potential direct geologic constraint of ice sheet thickness in the central Transantarctic Mountains during the Pliocene warm period
Burdige, David Jay	G-430-N	Organic carbon oxidation and iron remobilization by West Antarctic Shelf sediments
Burns, Jennifer	B-292-M	The cost of a new fur coat: Interactions between molt and reproduction in Weddell seals
Butler, James Hall	O-257-M/S	South Pole monitoring for climatic change
Butler, James Hall	O-264-P	Collection of atmospheric air for the NOAA/GMD worldwide flask-sampling network
Butler, James Hall	O-257-M/S	UV measurements at McMurdo Station for the NOAA/Global Monitoring Division (GMD) Antarctic UV network
Buys, Emmanuel S	B-267-M	Unraveling the genomic and molecular basis of the dive response: Nitric oxide signaling and vasoregulation in the Weddell seal
Carlstrom, John	A-379-S	Cosmological research with the 10-meter South Pole Telescope
Carpenter, Paul	T-299-M/S	IRIS/PASSCAL seismic support
Chereskin, Teresa	O-317-L	Southern Ocean current observations from the U.S. Antarctic research vessels
Chu, Xinzhaio	A-130-M	LiDAR investigation of middle and upper atmosphere temperature, composition, chemistry, and dynamics at McMurdo, Antarctica
Clauer, C. Robert	A-106-M/S	Polar Experiment Network for Geospace Upper-atmosphere Investigations (PENGUIn): Interhemispheric investigations along the 40-degree magnetic meridian

Conde, Mark Gerard	<b>A-343-M/S</b>	High-resolution mapping of thermospheric wind and temperature fields near the equatorward edge of the Antarctic polar cap
Conway, Howard	<b>I-323-M</b>	Grounding line dynamics: Crary Ice Rise revisited
Cottle, John	<b>G-076-M</b>	Petrologic constraints on subduction termination from lamprophyres, Ross Orogen, Antarctica
Davis, Randall	<b>B-017-M</b>	Geomagnetic navigation by Weddell seals beneath Antarctic ice
Detrich, Bill	<b>B-037-L/P</b>	Protein folding and embryogenesis in Antarctic fishes: A comparative approach to environmental stress
Doran, Peter	<b>C-511-M</b>	McMurdo LTER - Lakes: Increased connectivity in a polar desert resulting from climate warming: McMurdo Dry Valleys LTER Program
Ducklow, Hugh William	<b>C-045-L/P</b>	Palmer, Antarctica Long Term Ecological Research (LTER): Land-shelf-ocean connectivity, ecosystem resilience and transformation in a sea-ice influenced pelagic ecosystem
Eppley, Dr. Sarah Margaretha	<b>B-289-E</b>	The functional role of moss in structuring biotic interactions and terrestrialization of Antarctica
Evenson, Paul	<b>A-120-M</b>	Neutron monitor observations of cosmic rays from Jang Bogo and McMurdo Station
Evenson, Paul	<b>A-118-S</b>	Element composition of high-energy solar particles
Fischer, Tobias P	<b>G-411-M</b>	Erebus volcano: Characterizing a subglacial hydrothermal system and potential effects on CO2 degassing
Fountain, Andrew	<b>C-517-M</b>	The McMurdo Dry Valleys: A landscape on the threshold of change
Fraser, William Ronald	<b>C-013-L/P</b>	Palmer, Antarctica Long Term Ecological Research (LTER): Land-shelf-ocean connectivity, ecosystem resilience and transformation in a sea-ice influenced pelagic ecosystem
Friedlaender, Ari Seth	<b>C-024-L/P</b>	Palmer, Antarctica Long Term Ecological Research (LTER): Land-shelf-ocean connectivity, ecosystem resilience and transformation in a sea-ice influenced pelagic ecosystem
Gao, Yuan nmi	<b>O-231-P</b>	Quantifying atmospheric iron properties over the Western Antarctic Peninsula
Gerrard, Andrew	<b>A-111-M/S</b>	Synoptic geospace systems analysis using instrumentation from South Pole and McMurdo Stations
Glazer, Helen	<b>W-217-M</b>	Above, below and within the ice
Goodge, John	<b>D-551-M</b>	Phase 2 development of a Rapid Access Ice Drilling (RAID) platform for research in Antarctica
Goodge, John	<b>D-552-M</b>	Phase 2 development of a Rapid Access Ice Drilling (RAID) platform for research in Antarctica / DOSECC Exploration Services (DES)
Gooseff, Michael N	<b>C-506-M</b>	McMurdo LTER - Streams: Increased connectivity in a polar desert resulting from climate warming: McMurdo Dry Valleys LTER Program
Gooseff, Michael N	<b>C-504-M</b>	McMurdo LTER - Glaciers: Increased connectivity in a polar desert resulting from climate warming: McMurdo Dry Valleys LTER Program
Halzen, Francis	<b>A-333-S</b>	IceCube operations and maintenance
Hamilton, Gordon S	<b>I-178-M</b>	Flow and fracture dynamics in an ice shelf lateral margin: Observations and modeling of the McMurdo Shear Zone
Hansen, Samantha	<b>G-061-M</b>	CAREER: Deciphering the tectonic history of the Transantarctic Mountains and the Wilkes Subglacial Basin
Harvey, Ralph	<b>G-058-M</b>	Antarctic Search for Meteorites (ANSMET)

Higgins, John A	<b>I-165-M</b>	Window into 40 kyr world from climate records in one Ma ice from the Allan Hills blue ice area
Hofmann, Gretchen	<b>B-134-M</b>	Ocean acidification seascape: linking natural variability and anthropogenic changes in pH and temperature to performance in calcifying Antarctic marine invertebrates
Hosticka, Bouvard	<b>T-998-P</b>	Operation and maintenance of a CTBT radionuclide monitoring station at Palmer Station
Jenkins, Bethany Diane	<b>B-230-N</b>	Investigating iron-binding ligands in Southern Ocean diatom communities: The role of diatom-bacteria associations
Kalnajs, Lars E	<b>O-324-M</b>	High-resolution study of atmosphere, ice, and aerosol interactions in coastal Antarctica
Kelly, Michael	<b>O-410-N</b>	Ocean Observatories Initiative (OOI) Southern Hemisphere cruises
Kemerait, Robert C	<b>G-078-M</b>	Dry Valley seismic project
Kirschvink, Joseph	<b>G-291-N</b>	Paleomagnetism and magnetostratigraphy of the James Ross Basin, Antarctica
Kohut, Josh	<b>B-005-L</b>	Impacts of local oceanographic processes on Adélie penguin foraging ecology over Palmer Deep
Koutnik, Michelle R	<b>I-193-M/S</b>	Characterization of upstream ice and firn dynamics affecting the South Pole Ice (SPICE) core
Kovac, John	<b>A-149-S</b>	Imaging the beginning of time from the South Pole: Observations with the full SPUD array
Kulesa, Craig	<b>A-364-M/S</b>	High Elevation Antarctic Terahertz (HEAT) telescopes for Dome A and Ridge A
Kuo, Chao-Lin	<b>A-365-S</b>	Science observation with BICEP3 CMB polarization experiment
Kyle, Phillip	<b>G-081-M</b>	Mount Erebus Volcano Observatory: Operations, Science, and Outreach (MEVO-OSO)
LaBelle, James	<b>A-125-S</b>	Application of the AGO network to energy transfer in the radiation belts and remote sensing of auroral plasma processes
LaBelle, James	<b>A-128-S</b>	Earth's electromagnetic environment: Advancing recent discoveries in auroral plasma radio emission research
Lamanna, Matthew	<b>G-182-N</b>	Late Cretaceous-Paleogene vertebrates from Antarctica: Implications for paleobiogeography, paleoenvironment, and extinction in Polar Gondwana
Lazzara, Matt	<b>O-283-M</b>	Antarctic Automatic Weather Station (AWS) program
Lee, Richard	<b>B-256-P</b>	Winter survival mechanisms and adaptive genetic variation in an Antarctic insect
Lessard, Marc	<b>A-102-M/S</b>	Studies of ULF waves associated with solar wind coupling to the magnetosphere and ionosphere
LiCata, Vincent Jerry	<b>W-484-M</b>	Persistence of vision: Antarctica
Licht, Kathy	<b>G-095-M</b>	Multidisciplinary analysis of Antarctic blue ice moraine formation and their potential as climate archives over multiple glacial cycles
Loeb, Valerie J	<b>B-268-L</b>	Pilot study: Addition of biological sampling to Drake Passage transits of the ARSV Laurence M. Gould
Lubin, Dan	<b>O-325-M</b>	Department of Energy ARM West Antarctic Radiation Experiment (AWARE)
Lyons, W. Berry	<b>C-509-M</b>	McMurdo LTER - Geochemistry: Increased connectivity in a polar desert resulting from climate warming: McMurdo Dry Valleys LTER Program
MacAyeal, Douglas R	<b>I-190-M</b>	Impact of supraglacial lakes on ice shelf stability -
Manahan, Donal	<b>B-301-L/P</b>	Biological adaptations to environmental change in Antarctica -an advanced training program for early career scientists

Marchant, David R	<b>G-054-M</b>	West Antarctic Ice Sheet stability, alpine glaciation, and climate variability: A terrestrial perspective from cosmogenic-nuclide dating in McMurdo Sound
Martinson, Doug	<b>C-021-L</b>	Palmer, Antarctica Long Term Ecological Research (LTER): Land-shelf-ocean connectivity, ecosystem resilience and transformation in a sea-ice influenced pelagic ecosystem
McCarthy, Susan Joanne	<b>W-488-P</b>	Observing the snowy sheathbill and its behavior
McClintock, James	<b>B-022-P</b>	The chemical ecology of shallow-water marine macroalgae and invertebrates on the Antarctic Peninsula
Moore, Robert C.	<b>A-109-M/P/S</b>	Antarctic ELF/VLF observations of Q-bursts, radio atmospherics, and energetic particle precipitation
Moran, Amy	<b>B-307-M</b>	Body size, oxygen, and vulnerability to climate change: a physiological study of Antarctic Pycnogonida
Morin, Paul	<b>T-434-M</b>	The Polar Geospatial Information Center: Joint support
Mukhopadhyay, Sujoy	<b>G-438-M</b>	Constraining Plio-Pleistocene West Antarctic Ice Sheet behavior from the Ohio Range and Scott Glacier
O'Boyle, Shaun Michael	<b>W-468-M</b>	Portraits of place in Antarctica
Orr, Gerald Dwayne	<b>A-145-M</b>	NASA Long Duration Balloon (LDB) support program
Panter, Kurt S	<b>G-073-M</b>	Investigating Early Miocene sub-ice volcanoes in Antarctica to provide boundary conditions for ice sheet dynamic models and improved understanding of a large diffuse alkaline magma
Paznukhov, Vadym V	<b>A-373-P</b>	Troposphere-ionosphere coupling via atmospheric gravity waves
Petrenko, Vasilii Victorovich	<b>I-159-M</b>	The Taylor Glacier, Antarctica, horizontal ice core: Exploring changes in the natural methane budget in a warming world and expanding the paleo-archive
Pettit, Joseph R	<b>T-295-M</b>	UNAVCO GPS survey support
Polito, Michael John	<b>X-279-M</b>	Biodiversity and distribution of microbial epi-endolithic communities to studying limits for life in Victoria Land, Antarctica
Polito, Michael John	<b>B-025-E/M</b>	Investigating Holocene shifts in the diets and paleohistory of Antarctic krill predators
Priscu, John	<b>C-505-M</b>	McMurdo LTER - Lakes: Increased connectivity in a polar desert resulting from climate warming: McMurdo Dry Valleys LTER Program
Rotella, Jay	<b>B-009-M</b>	The demographic consequences of environmental variability and individual heterogeneity in life-history tactics of a long-lived Antarctic marine predator
Saint-Hilaire, Pascal	<b>A-337-M</b>	Gamma-Ray Imager/Polarimeter for Solar flares (GRIPS)
Schmidt, Britney Elyce	<b>B-259-M</b>	Astrobiology science and technology for exploring planets (ASTEP)
Schofield, Oscar	<b>C-019-L/P</b>	Palmer, Antarctica Long Term Ecological Research (LTER): Land-shelf-ocean connectivity, ecosystem resilience and transformation in a sea-ice influenced pelagic ecosystem
Schwartz, Susan	<b>C-525-M</b>	High-resolution heterogeneity at the base of Whillans Ice Stream and its control on ice dynamics
Severinghaus, Jeff	<b>I-191-S</b>	Inert gas and methane based climate records throughout the South Pole deep ice core
Sherrell, Robert Michael	<b>B-203-L</b>	Natural iron fertilization and bioactive metal dynamics on the Western Antarctic Peninsula shelf
Smith, Craig	<b>B-212-L/N</b>	Fjord ecosystem structure and function on the Western Antarctic Peninsula - hotspots of productivity and biodiversity
Smith, Walker	<b>B-272-M</b>	Effects of temperature on phytoplankton growth rates

Spaulding, Nicole Elizabeth	<b>I-171-M</b>	Allan HILL's Englacial Site (AHILLES) selection
Sprintall, Janet	<b>O-260-L</b>	The Drake Passage high-density XBT/XCTD program
Steinberg, Deborah	<b>C-020-L</b>	Palmer, Antarctica Long Term Ecological Research (LTER): Land-shelf-ocean connectivity, ecosystem resilience and transformation in a sea-ice influenced pelagic ecosystem
Stephens, Britton B	<b>O-404-L</b>	High-resolution underway air-sea observations in Drake Passage for climate science
Stephens, Britton B	<b>O-541-L/P</b>	The O <sub>2</sub> /N <sub>2</sub> ratio and CO <sub>2</sub> airborne Southern Ocean (ORCAS) study
Stone, John	<b>I-277-M</b>	EXPROBE-WAIS: Exposed rock beneath the West Antarctic Ice Sheet, a test for interglacial ice sheet collapse
Sumner, Dawn Yvonne	<b>G-063-M</b>	Microbialite Morphology in Lake Joyce, Antarctica
Swanger, Kate	<b>G-085-M</b>	Origin and climatic significance of rock glaciers in the McMurdo Dry Valleys: Assessing spatial and temporal variability
Sweeney, Colm	<b>O-214-L</b>	High-resolution underway air-sea observations in Drake Passage for climate science
Szuberla, Curt	<b>T-396-M</b>	Operation and maintenance of a CTBT class infrasound array at Windless Bight
Taylor, Michael	<b>A-119-M/S</b>	Development of an ANtarctic Gravity Wave Imager Network (ANGWIN) for collaborative mesospheric research
Taylor, Michael	<b>A-119-M/S</b>	Investigating wave-driven Mesospheric dynamics over South Pole using an advanced Mesospheric temperature mapper
Taylor, Michael	<b>Undefined-P</b>	Continental-Scale Studies of Mesospheric Dynamics Using the Antarctic Gravity Wave Instrument Network (ANGWIN)
Thoman, Bruce	<b>T-927-M</b>	NASA/McMurdo Ground Station (MG1)
Thurnherr, Andreas M	<b>O-408-N</b>	Flow, turbulence, and mixing in mid-ocean ridge fracture-zone canyons
Walker, Christopher	<b>A-136-M</b>	Stratospheric Terahertz Observatory (STO)
Wall, Diana	<b>C-507-M</b>	McMurdo LTER - Soils: Increased connectivity in a polar desert resulting from climate warming: McMurdo Dry Valleys LTER Program
Waller, Rhian G	<b>B-248-L/P</b>	Cold corals in hot water - investigating the physiological responses of Antarctic coral larvae to climate change stress
Wannamaker, Philip	<b>G-072-M</b>	Magma sources, residence and pathways of Mount Erebus phonolitic volcano, Antarctica, from magnetotelluric resistivity structure
Watters, George	<b>B-006-N</b>	NOAA / AMLR
Wiens, Douglas	<b>G-089-M</b>	Mantle structure and dynamics of the Ross Sea from a passive seismic deployment on the Ross Ice Shelf
Wilson, Terry	<b>G-079-M/S</b>	POLENET Antarctica: Investigating links between geodynamics and ice sheets - Phase 2
Yu, Zicheng	<b>G-094-P</b>	Response of carbon accumulation in moss peatbanks to past warm climates in the Antarctic Peninsula