



## R/V LAURENCE M. GOULD Cruise History

**Key:** COPA=Copacabana Field Camp; CS=Cape Sherriff; DEC=Deception Island; ESP=Esperanza Base; FCH=Fourchon, LA; KGI=King George Island; LIV=Livingston Island; OHG=O'Higgins Base; PAL=Palmer Station, Antarctica; PAN=Panama; PMN=Peterman Island, Antarctica; PUQ=Punta Arenas, Chile; ROT=Rothera Base; SEY=Seymour Island; TAL=Talcahuano, Chile; Vernadsky Station=VRN;

### Contacting Principal Investigators:

Each cruise's principal investigator and/or chief scientist is listed below. For e-mail addresses, and for links to the Antarctic Data Repository, please refer to the HTML version of the cruise history. For more in-depth contact information, mailing address, phone numbers, etc, please refer to the online version of the

[Science Planning Summaries](#)

Where available, the researcher's website is available by clicking on the link in the Cruise Name field.

1998 CRUISE #	CRUISE NAME	PRINCIPAL INVESTIGATOR(S)	DATE DEPARTED	PORT DEPARTED	DATE ARRIVED	PORT ARRIVED
LMG 98-1t	Transit to Punta Arenas <a href="#">Antarctic Data Repository for LMG9801T</a>	N/A	12/25/1997	FCH	1/16/1998	PUQ
LMG 98-1	Long-Term Ecological Research on the Antarctic Marine Ecosystem: An Ice-Dominated Environment. (LTER) <a href="http://www.icess.ucsb.edu/lter/lter.html">http://www.icess.ucsb.edu/lter/lter.html</a>  <a href="#">Antarctic Data Repository for LMG98-01</a>	<b>Maria Vernet</b> S-016 <b>Langdon Quetin &amp; Robin Ross</b> S-028 <b>Ray Smith</b> S-032 <b>Dave Karl</b> S-046	1/22/1998	PUQ	2/20/1998	PUQ
LMG 98-2	Holocene Paleoenvironmental Change Along the Antarctic Peninsula: a Test of the Polar/Bi-Polar Signal <a href="#">Antarctic Data Repository for LMG98-02</a>	<b>Eugene Domack</b>  GO-072-O	2/25/1998	PUQ	3/21/1998	PUQ
LMG 98-3	PAX Transfer to Palmer Station <a href="#">Antarctic Data Repository for LMG98-03</a>	N/A	3/26/1998	PUQ	4/9/1998	PUQ
LMG 98-3A	PAX Transfer to Palmer Station <a href="#">Antarctic Data Repository for LMG98-03A</a>	N/A	4/14/1998	PUQ	5/5/1998	PUQ
LMG 98-4	In Punta Arenas	N/A	N/A	N/A	N/A	N/A
LMG 98-5	In Punta Arenas	N/A	Jul-98	PUQ	N/A	N/A
LMG 98-6	Mtce. Dry Dock Period	N/A	7/28/1998	PUQ	8/2/1998	TAL
LMG 98-7	Transit to PUQ	N/A	8/29/1998	TAL	9/4/1998	PUQ
LMG 98-8	Palmer Station Support/turnover	N/A	9/10/1998 9/16/1998	PUQ PAL	9/14/1998 9/20/1998	PAL PUQ
LMG 98-8A	Palmer Station Turnover and open Copacabana Field Camp on King George Island	N/A	9/27/1998 10/1/1998 10/3/1998	PUQ COPA PAL	10/1/1998 10/3/1998 10/8/1998	COPA PAL PUQ
LMG 98-9	Photochemical and Optical Properties of Antarctic Waters in response to changing UV-B fluxes. New approaches to measuring and understanding the effects of Ultraviolet Radiation on Phytosynthesis by Antarctic Phytoplankton.  <a href="#">Antarctic Data Repository for LMG98-09</a>	<b>Kenneth Mopper</b> BO-002-O <b>Patrick Neale</b> BO-010-O	10/12/1998 11/16/1998	PUQ PAL	10/15/1998 11/20/1998	Weddell PUQ
LMG 98-10	Collaborative Research: Scotia Arc GPS Project (SCARP)  <a href="#">Antarctic Data Repository for LMG98-10</a>	<b>Ian Dalziel</b> GO-087-O	11/24/1998	PUQ	12/27/1998	PUQ
1999 CRUISE #	CRUISE NAME	PRINCIPAL INVESTIGATOR(S)	DATE DEPARTED	PORT DEPARTED	DATE ARRIVED	PORT ARRIVED
LMG 99-1	Long-Term Ecological Research on the Antarctic Marine Ecosystem: An Ice-Dominated Environment. (LTER) <a href="http://www.icess.ucsb.edu/lter/lter.html">http://www.icess.ucsb.edu/lter/lter.html</a>  <a href="#">Antarctic Data Repository for LMG99-01</a>	<b>William Fraser</b> BP-013-N <b>Maria Vernet</b> BP-016-N <b>Doug Martinson</b> BP-021 <b>Langdon Quetin &amp; Robin Ross</b> BP-028-N <b>Ray Smith</b> BP-032-N <b>Dave Karl</b> BP-046-O	1/2/1999 1/6/1999        2/14/1999	PUQ PAL        PAL	1/6/1999 2/12/1999        2/18/1999	PAL PAL        PUQ
LMG 99-2	Influence of Seasonal Ice Cover on Pelagic and Benthic Communities: Long Time-Series Studies Adaptations of Organisms at the Sulfide- and Methane-Containing Hydrothermal Areas of Deception Island  <a href="#">Antarctic Data Repository for LMG99-02</a>	<b>Ken Smith</b> BO-050-O <b>Horst Felbeck</b> BO-085-O	2/22/1999 2/26/1999 3/12/1999	PUQ PAL DEC	2/26/1999 2/27/1999 3/17/1999	PAL DEC PUQ

LMG 99-3	Evolution of an Oxygen-binding Hemoprotein in a Unique Environment: Myoglobin in the Hemoglobinless Antarctic Icefishes  Structure, Function, and Expression of Cold-Adapted Tubulins and Microtubule-Dependent Motors from Antarctic Fishes  Characterization of Indigenous and Introduced Toxic Phytoplankton in Antarctica NOAA Grant  Palmer Station support operations were performed as well and included a technical site visit by Biospherical Instruments.	<b>Bill Detrich</b> <b>BO-037-O</b>  <b>Bruce Sidell</b> <b>BO-036-O</b>  <b>Donald Anderson</b> <b>BO-300-O</b> <b>Martin Visbeck</b> <b>NOAA Science Grant</b>	3/21/1999 4/16/1999	PUQ PAL	3/24/1999 4/20/1999	PAL PUQ
LMG 99-4	Continuation of LMG99-3  <a href="#">Antarctic Data Repository for LMG99-04</a>	<b>Bruce Sidell</b> <b>BO-036-O</b> <b>Bill Detrich</b> <b>BO-037-O</b>	4/27/1999 5/30/1999 5/31/1999	PUQ PAL COPA	4/30/1999 5/31/1999 6/3/1999	PAL COPA PUQ
LMG 99-5	Continuation of LMG99-4  <a href="#">Antarctic Data Repository for LMG99-05</a>	<b>Bruce Sidell</b> <b>BO-036-O</b> <b>Bill Detrich</b> <b>BO-037-O</b>	6/6/1999 6/29/1999	PUQ PAL	06/09.99 7/2/1999	PAL PUQ
LMG 99-6	Palmer Station Support	N/A	7/9/1999 7/26/1999	PUQ PAL	7/13/1999 7/30/1999	PAL PUQ
LMG 99-7	Transit to Talcahuano, Chile for Maintenance Period	N/A	8/1/1999 9/4/1999	PUQ TAL	8/7/1999 9/10/1999	TAL PUQ
LMG 99-8	Shipboard Acoustic Doppler Current Profiling on R/V NATHANIEL B. PALMER and LAURENCE M. GOULD PAL Station Support/Turnover & ADCP Shakedown Cruise <a href="#">Antarctic Data Repository for LMG99-08</a>	<b>Teri Chereskin</b> <b>OO-315-O</b>	9/14/1999 9/23/1999	PUQ PAL	9/20/1999 9/28/1999	PAL PUQ
LMG 99-8A	Open Period--Vessel Science Inspection	N/A	9/28/1999 10/9/1999	PUQ PUQ	N/A	N/A
LMG 99-8B	Palmer Station Turnover and Copacabana Field Camp Opening	N/A	10/9/1999 10/14/1999 10/17/1999	PUQ COPA PAL	10/13/1999 10/15/1999 10/21/1999	COPA PAL PUQ
LMG 99-9	Influence of Seasonal Ice Cover on Pelagic and Benthic Communities: Long Time Series Study <a href="#">Antarctic Data Repository for LMG99-09</a>	<b>Ken Smith</b> <b>BO-050-O</b>	10/25/1999 10/29/1999	PUQ PAL	10/29/1999 11/15/1999	PAL PUQ
LMG 99-10	Impact and Fate of Bloom Material on the Sea Floor  Mooring Recovery (Karl) <a href="#">Antarctic Data Repository for LMG99-10</a>	<b>Dave DeMaster</b> <b>BO-303-O</b> <b>Craig Smith</b> <b>BO-303-O</b> <b>Dave Karl</b> <b>BP-046-O</b>	11/20/1999 12/8/1999	PUQ PAL	12/6/1999 12/12/1999	PAL PUQ
LMG 00-1	Long-Term Ecological Research on the Antarctic Marine Ecosystem: An Ice-Dominated Environment. (LTER) <a href="http://www.icess.ucsb.edu/lter/lter.html">http://www.icess.ucsb.edu/lter/lter.html</a>  Call at Cape Shirreff Field Camp  <a href="#">Antarctic Data Repository for LMG00-01</a>	<b>Bill Fraser</b> <b>BP-013-O</b> <b>Maria Vernet</b> <b>BP-016-O</b> <b>Doug Martinson</b> <b>BP-021-O</b> <b>Langdon Quetin</b> <b>Robin Ross</b> <b>BP-028-O</b> <b>Ray Smith</b> <b>BP-032-O</b> <b>Dave Karl</b> <b>BP-046-O</b>	12/17/1999 12/21/1999 12/22/1999 1/28/2000	PUQ CS PAL PAL	12/21/1999 12/22/1999 1/26/2000 2/1/2000	CS PAL PAL PUQ
LMG 00-2	Influence of Seasonal Ice Cover on Pelagic and Benthic Communities: Long Time Series Study. Planktonic Invertebrate Larvae and Biogeography of the Antarctic  Shipboard Acoustic Doppler Current Profiling on R/V NATHANIEL B. PALMER and LAURENCE M. GOULD Also delivered construction materials to Copa Field Camp <a href="#">Antarctic Data Repository for LMG00-02</a>	<b>Ken Smith</b> <b>BO-050-O</b> <b>Rudolf Scheltema</b> <b>BO-281-O</b> <b>Teri Chereskin</b> <b>OO-315-O</b>	2/5/2000 2/10/2000 2/12/2000 2/22/2000	PUQ COPA PAL DEC	2/9/2000 2/11/2000 2/13/2000 2/23/2000	COPA PAL DEC PAL
LMG 00-3	Impact and Fate of Bloom Material on the Sea Floor  Mooring Recovery (Karl) <a href="#">Antarctic Data Repository for LMG00-03</a>	<b>Dave DeMaster</b> <b>BO-303-O</b> <b>Dave Karl</b> <b>BP-046-O</b>	3/2/2000 3/7/2000 3/20/2000	PUQ PAL PAL	3/6/2000 3/19/2000 3/24/2000	PAL PAL PUQ
LMG 00-3A	Acquisition and Operation of Broadband Seismograph Equipment at Chilean Bases in the Antarctic Peninsula Region (Weins). NOAA-CORC Southern Ocean Modern Observations (Visbeck) <a href="#">Antarctic Data Repository for LMG00-03A</a>	<b>Doug Wiens</b> <b>GO-097-O</b> <b>Martin Visbeck</b> <b>OO-124-O</b>	3/28/2000 4/3/2000	PUQ PAL	4/2/2000 4/21/2000	PAL PUQ

LMG 00-4	Dunbar Mooring Retrieval Palmer Station Logistics <a href="#">Antarctic Data Repository for LMG00-04</a>	<b>Rob Dunbar</b> GO-072-O	4/25/2000 5/8/2000	PUQ PAL	4/29/2000 5/12/2000	PAL PUQ
LMG 00-5	Influence of Seasonal Ice Cover on Pelagic and Benthic Communities: Long Time-Series Studies Planktonic Invertebrate Larvae and Biogeography of the Antarctic  Shipboard Acoustic Doppler Current Profiling on R/V NATHANIEL B. PALMER AND LAURENCE M. GOULD The Influence of Hydrothermal Discharge on Coastal Ocean Dissolved Iron Concentrations at Deception Island <a href="#">Antarctic Data Repository for LMG00-05</a>	<b>Ken Smith</b> BO-050-O <b>Rudolf Scheltema</b> GO-281-O <b>Teri Chereskin</b> OO-315-O <b>Anne Sturz</b> OO-319-O	5/16/2000 5/22/2000 6/8/2000 6/10/2000	PUQ PAL DEC PAL	5/21/2000 5/23/2000 6/9/2000 6/15/2000	PAL DEC PAL PUQ
LMG 00-6A	Palmer Station Logistics Support <a href="#">Antarctic Data Repository for LMG00-06A</a>	N/A	6/19/2000 6/26/2000	PUQ PAL	6/23/2000 6/30/2000	PAL PUQ
LMG 00-6B	Palmer Station Support & Haz Waste Pickup <a href="#">Antarctic Data Repository for LMG00-06B</a>	N/A	7/3/2000 7/11/2000	PUQ PAL	7/7/2000 7/15/2000	PAL PUQ
LMG 00-6C	Palmer Station Support <a href="#">Antarctic Data Repository for LMG00-06C</a>	N/A	7/18/2000 7/25/2000	PUQ PAL	7/22/2000 7/29/2000	PAL DEC
LMG 00-6D	Palmer Station Support <a href="#">Antarctic Data Repository for LMG00-06C</a>	N/A	8/1/2000 8/8/2000	PUQ PAL	8/5/2000 8/12/2000	PAL PUQ
LMG 00-7	Talcahuano Dry Dock	N/A	8/15/2000 9/4/2000	PUQ TAL	8/21/2000 9/10/2000	TAL PUQ
LMG 00-8	Shuttle #1 -Palmer Station Turnover <a href="#">Antarctic Data Repository for LMG00-08</a>	N/A	9/15/2000 9/24/2000	PUQ PAL	9/21/2000 9/29/2000	PAL PUQ
LMG 00-8a	Shuttle #2-Palmer Turnover Natural Product Drugs from Cold-Water Marine Organisms <a href="#">Antarctic Data Repository for LMG00-08A</a>	<b>Gregg Dietzman</b> BO-282-O	10/1/2000 10/9/2000	PUQ PAL	10/7/2000 10/13/2000	PAL PUQ
LMG 00-9	Benthic-Pelagic Coupling on the West Antarctic Peninsula Shelf: The Impact and Fate of Bloom Material on the Shelf Floor  Penguin-Krill-Ice Interactions: The Impact of Environmental Variability on Penguin Demography (COPA Field Camp) <a href="#">Antarctic Data Repository for LMG00-09</a>	<b>C. Smith</b> BO-303-O <b>Dave DeMaster</b> BO-313-O <b>Wayne Trivelpiece</b> BO-040-O	10/17/2000 10/21/2000 10/23/2000 11/4/2000	PUQ COPA PAL PAL	10/21/2000 10/22/2000 11/4/2000 11/8/2000	COPA PAL PAL PUQ
LMG00-10	Influence of Seasonal Ice Cover on Pelagic and Benthic Communities: Long Time Series Study. Construction materials delivered to Copacabana Field Camp <a href="#">Antarctic Data Repository for LMG00-10</a>	<b>Ken Smith</b> BO-050-O	11/12/2000 11/17/2000 11/19/2000	PUQ CS PAL	11/16/2000 11/18/2000 12/04/00	CS PAL PUQ
LMG00-11	Global Climate Change and the Evolutionary Ecology of Antarctic Mollusks in the Late Holocene <a href="#">Antarctic Data Repository for LMG00-11</a>	<b>Richard Aronson</b> GO-065-O	12/8/2000 12/17/2000 12/20/2000	PUQ SEY PAL	12/12/2000 12/19/2000 12/24/2000	SEY PAL PUQ
<b>2001</b>	<b>CRUISE NAME</b>	<b>PRINCIPAL</b>	<b>DATE</b>	<b>PORT</b>	<b>DATE</b>	<b>PORT</b>
<b>Cruise #</b>		<b>INVESTIGATOR(S)</b>	<b>DEPARTED</b>	<b>DEPARTED</b>	<b>ARRIVED</b>	<b>ARRIVED</b>
LMG 01-1	Long-Term Ecological Research on the Antarctic Marine Ecosystem: An Ice-Dominated Environment. (LTER) <a href="http://www.icess.ucsb.edu/lter/lter.html">http://www.icess.ucsb.edu/lter/lter.html</a>  <a href="#">Antarctic Data Repository for LMG01-01</a>	<b>Bill Fraser</b> BP-013-O <b>Maria Vernet</b> BP-016-O <b>Doug Martinson</b> BP-021-O <b>Langdon Quetin</b> <b>Robin Ross</b> BP-028-O <b>Ray Smith</b> BP-032-O <b>Dave Karl</b> BP-046-O	1/4/2001 1/9/2001 1/25/2001	PUQ PAL PAL	1/8/2001 1/24/2001 1/31/2001	PAL PAL PUQ
LMG 01-1A	State Dept./EPA Antarctic Treaty Inspection of non-U.S. stations  <a href="#">Antarctic Data Repository for LMG01-01A</a>	N/A	2/2/2001 2/8/2001	PUQ PAL	2/7/2001 2/16/2001	PAL PUQ
LMG 01-2	Benthic-Pelagic Coupling on the West Antarctic Peninsula Shelf: The Impact and Fate of Bloom Material on the Shelf Floor  <a href="#">Antarctic Data Repository for LMG01-02</a>	<b>Craig Smith</b> BO-303-O <b>Dave DeMaster</b> BO-303-O	2/20/2001 2/25/2001 3/10/2001	PUQ PAL PAL	2/24/2001 3/9/2001 3/14/2001	PAL PAL PUQ
LMG 01-3	Southern Ocean Global Ocean Ecosystems Dynamics (SO GLOBEC) : Circulation and Water Property Evolution SO GLOBEC: Mesoscale Circulation, Tides, and Mixing  SO GLOBEC: Mysticete Whale Acoustic Census in the GLOBEC West Antarctic Project Area <a href="http://www.ccpo.odu.edu/Research/globec_menu.html">http://www.ccpo.odu.edu/Research/globec_menu.html</a> AMS Radiocarbon Chronology of Glacier Fluctuations in the South Shetland Islands During the Last Glacial/Interglacial Hemicycle: Implications for the Role of Antarctica in Global Climate Change (Hall Field Camp Put-in on Liv. Island) <a href="#">Antarctic Data Repository for LMG01-03</a>	<b>Robert Beardsley</b> OG-231-O <b>Laurence Padman</b> OG-238-O <b>John Hildebrand</b> BG-239-O  <b>Brenda Hall</b> IO-196-L	3/18/2001 3/23/2001 3/25/2001 4/9/2001	PUQ KGI PAL PAL	3/22/2001 3/24/2001 4/8/2001 4/13/2001	KGI PAL PAL PUQ

LMG 01-4	SO GLOBEC: Seabird Ecology Using Observations and Diet Samples SO GLOBEC: Krill Distribution, Physiology, and Predations; Copepod Prey Abundance SO GLOBEC: Krill Age and Dietary History  SO GLOBEC: Krill Physiology and Fish Ecology  SO GLOBEC: Water-Column Phytoplankton Primary Productivity  SO GLOBEC: Krill Distributions, Physiology and Predation; Copepod Prey Abundance <a href="http://www.ccpo.odu.edu/Research/globec_menu.html">http://www.ccpo.odu.edu/Research/globec_menu.html</a> Livingston Island Field Camp Pickup of Brenda Hall  <a href="#">Antarctic Data Repository for LMG01-04</a>	<b>Bill Fraser</b> <b>BG-234-O</b> <b>Kendra Daly</b> <b>BG-236-O</b> <b>Rodger Harvey</b> <b>BG-237-O</b> <b>Jose Torres</b> <b>BG-245-O</b> <b>Maria Vernet</b> <b>BG-246-O</b> <b>Meng Zhou</b> <b>BG-248-O</b>  <b>Brenda Hall</b> <b>IO-196-L</b>	4/20/2001 4/25/2001 4/26/2001 4/28/2001 5/31/2001 6/1/2001	PUQ KGI LIV PAL PAL LIV	4/25/2001 4/26/2001 4/27/2001 5/31/2001 6/1/2001 6/5/2001	KGI LIV PAL PAL LIV PUQ
LMG 01-5	Proteins of Oxygen-Binding & Energy Metabolism in Muscles of Antarctic Fishes: Evolutionary Adjustments to Life at Cold Temperatures Structure, Function, and Expression of Tubulins, Globins, and Microtubule-Dependent Motors from Cold-Adapted Antarctic Fishes <a href="#">Antarctic Data Repository for LMG01-05</a>	<b>Bruce Sidell</b> <b>BG-036-O</b>  <b>Bill Detrich</b> <b>BG-037-O</b>	6/11/2001 6/18/2001 7/11/2001	PUQ PAL PAL	6/16/2001 6/21/2001 7/15/2001	PAL PAL PUQ
LMG 01-6	SO GLOBEC: Foraging Ecology of Crabeater Seals  SO GLOBEC: Seabird Ecology Using Observations and Diet Samples SO GLOBEC: Winter Distribution and Activities of Sea-ice Microbial Communities in the Western Antarctic Peninsula SO GLOBEC: Krill Age and Dietary History  SO GLOBEC: Optical Environment of the Western Antarctic Peninsula SO GLOBEC: Winter Ecology of Larval Krill: Quantifying Their Interaction with the Pack Ice Habitat <a href="http://www.ccpo.odu.edu/Research/globec_menu.html">http://www.ccpo.odu.edu/Research/globec_menu.html</a> <a href="#">Antarctic Data Repository for LMG01-06</a>	<b>Dan Costa</b> <b>BG-232-O</b> <b>Bill Fraser</b> <b>BG-234-O</b> <b>Chris Fritsen</b> <b>BG-235-O</b> <b>Rodger Harvey</b> <b>BG-237-O</b> <b>Doug Martinson</b> <b>OG-241-O</b> <b>Robin Ross</b> <b>BG-244-O</b>	7/21/2001 7/26/2001 8/27/2001	PUQ PAL PAL	7/25/2001 8/26/2001 8/31/2001	PAL PAL PUQ
LMG 01-7	Maintenance Period and ADCP Sea Trials	N/A	9/1/2001	At PUQ	9/14/2001	At PUQ
LMG 01-8	Palmer Station Support <a href="#">Antarctic Data Repository for LMG01-08</a>	N/A	9/20/2001	PUQ PAL	9/25/2001	PAL PUQ
LMG01-08A Copa Opening	Penguin-Krill-Ice Interactions: The Impact of Environmental Variability on Penguin Demography (COPA)  <a href="#">Antarctic Data Repository for LMG01-08A</a>	<b>Wayne Trivelpiece</b> <b>BO-040-O</b>	10/7/2001 10/11/2001 10/16/2001  10/16/2001 10/17/2001	PUQ COPA PAL  Racer Rock COPA	10/11/2001 10/13/2001 10/16/2001  10/17/2001 10/21/2001	COPA PAL Racer Rock COPA PUQ
LMG01-08B	Palmer Station Support #2 <a href="#">Antarctic Data Repository for LMG01-08B</a>	N/A	10/27/2001 11/8/2001	PUQ PAL	11/5/2001 11/12/2001	PAL PUQ
Maintenance	Maintenance Period in Punta Arenas, Chile	N/A	11/13/2001	At PUQ	12/1/2001	At PUQ
LMG01-9	Dynamics of Predator-Prey Behavior in the Antarctic Ocean  Dispersal of Planktonic Invertebrate Larvae and the Biogeography of the Antarctic Benthos <a href="#">Antarctic Data Repository for LMG01-09</a>	<b>Richard Veit</b> <b>BO-023-O</b> <b>Rudy Scheltema</b> <b>BO-281-O</b>	12/2/2001 12/23/2001	PUQ PAL	12/28/2001	PUQ
<b>2002</b> <b>Cruise #</b>	<b>CRUISE NAME</b>	<b>PRINCIPAL INVESTIGATOR(S)</b>	<b>DATE DEPARTED</b>	<b>PORT DEPARTED</b>	<b>DATE ARRIVED</b>	<b>PORT ARRIVED</b>
LMG02-1	Long-Term Ecological Research on the Antarctic Marine Ecosystem: An Ice-Dominated Environment (LTER) <a href="http://www.icess.ucsb.edu/lter/lter.html">http://www.icess.ucsb.edu/lter/lter.html</a>  <a href="#">Antarctic Data Repository for LMG02-01</a>	<b>Bill Fraser</b> <b>BP-013-O</b> <b>Maria Vernet</b> <b>BP-016-O</b> <b>Doug Martinson</b> <b>BP-021-O</b> <b>Langdon Quetin</b> <b>Robin Ross</b> <b>BP-028-O</b> <b>Ray Smith</b> <b>BP-032-O</b> <b>Dave Karl</b> <b>BP-046-O</b>	1/2/2002 1/7/2002 1/28/2002	PUQ PAL PAL	1/6/2002 1/27/2002 2/1/2002	PAL PAL PUQ
LMG02-1A GLOBEC Mooring Recovery & Redeployment	Southern Ocean Global Ocean Ecosystems Dynamics (SO GLOBEC) : Circulation and Water Property Evolution SO GLOBEC: Mysticete Whale Acoustic Census in the GLOBEC West Antarctic Project Area <a href="http://www.ccpo.odu.edu/Research/globec_menu.html">http://www.ccpo.odu.edu/Research/globec_menu.html</a> International Whaling Consortium <a href="#">Antarctic Data Repository for LMG02-01A</a>	<b>Bob Beardasley</b> <b>OG-231-O</b> <b>John Hildebrand</b> <b>BG-239-O</b>  <b>Deb Thiele</b>	1/6/2002	PUQ	3/2/2002	PUQ

LMG02-1B	Mooring recovery Palmer Shuttle <a href="#">Antarctic Data Repository for LMG02-01B</a>	<b>Rob Dunbar</b> <b>Gene Domack</b> <b>GO-072-O</b>	3/7/2002	PUQ	3/18/2002	PUQ
LMG02-2	Palmer Station Shuttle <a href="#">Antarctic Data Repository for LMG02-02</a>	NA	3/22/2002 3/29/2002	PUQ PAL	3/26/2002 4/2/2002	PAL PUQ
LMG02-3	SO GLOBEC: Foraging Ecology of Crabeater Seals  SO GLOBEC: Seabird Ecology Using Observations and Diet Samples SO GLOBEC: Krill Distribution, Physiology, and Predations; Copepod Prey Abundance SO GLOBEC: Krill Age and Dietary History  SO GLOBEC: Mysticete Whale Acoustic Census in the GLOBEC West Antarctic Project Area SO GLOBEC: Krill Physiology and Fish Ecology  SO GLOBEC: Krill Distributions, Physiology and Predation; Copepod Prey Abundance <a href="http://www.ccpo.odu.edu/Research/globec_menu.html">http://www.ccpo.odu.edu/Research/globec_menu.html</a> <a href="#">Antarctic Data Repository for LMG02-03</a>	<b>Dan Costa</b> <b>BG-232-O</b> <b>Bill Fraser</b> <b>BG-234-O</b> <b>Kendra Daly</b> <b>BG-236-O</b> <b>Rodger Harvey</b> <b>BG-237-O</b> <b>John Hildebrand</b> <b>BG-239-O</b> <b>Jose Torres</b> <b>BG-245-O</b> <a href="#">Meng Zhou</a> <b>BG-248-O</b>	4/7/2002 4/13/2002 5/16/2002	PUQ PAL PAL	4/12/2002 5/14/2002 5/20/2002	PAL PAL PUQ
LMG02-4	Dry Dock and Maintenance Period	NA	5/25/2002 6/25/2002	PUQ TAL	5/31/2002 6/30/2002	TAL PUQ
LMG 02-4A	Palmer Station Shuttle Hazardous waste onload and Fueling Palmer Station <a href="#">Antarctic Data Repository for LMG02-04A</a>	NA	7/5/2002 7/19/2002	PUQ PAL	7/10/2002 7/23/2002	PAL PUQ
LMG02-4B	Open Period	NA	7/24/2002	At PUQ	7/29/2002	At PUQ
LMG02-5	SO GLOBEC: Foraging Ecology of Crabeater Seals  SO GLOBEC: Seabird Ecology Using Observations and Diet Samples SO GLOBEC: Winter Distribution and Activities of Sea-ice Microbial Communities in the Western Antarctic Peninsula SO GLOBEC: Optical Environment of the Western Antarctic Peninsula SO GLOBEC: Winter Ecology of Larval Krill: Quantifying Their Interaction with the Pack Ice Habitat <a href="http://www.ccpo.odu.edu/Research/globec_menu.html">http://www.ccpo.odu.edu/Research/globec_menu.html</a> <a href="#">Antarctic Data Repository for LMG02-05</a>	<b>Dan Costa</b> <b>BG-232-O</b> <b>Bill Fraser</b> <b>BG-234-O</b> <b>Chris Fritsen</b> <b>BG-235-O</b> <b>Doug Martinson</b> <b>OG-241-O</b> <b>Robin Ross</b> <b>BG-244-O</b>	7/29/2002 8/3/2002 9/13/2002	PUQ PAL PAL	8/3/2002 9/12/2002 9/18/2002	PAL PAL PUQ
LMG02-6	Palmer Station Opening Shuttle #1 <a href="#">Antarctic Data Repository for LMG02-06</a>	NA	9/23/2002 10/3/2002	PUQ PAL	9/28/2002 10/7/2002	PAL PUQ
LMG02-7	Palmer Station Opening Shuttle #2 Foraging Behavior and Demography of Pygoscelis Penguins (COPA Field Camp) <a href="#">Antarctic Data Repository for LMG02-07</a>	<b>Wayne Trivelpiece</b> <b>BO-040-O</b>	10/11/2002 10/15/2002 10/19/2002	PUQ COPA PAL	10/14/2002 10/16/2002 10/24/2002	COPA PAL PUQ
LMG02-7A	Open Period	NA	10/25/2002	At PUQ	11/2/2002	At PUQ
LMG02-8	Cape Shirreff Field Camp Put-in/Opening Automated Weather Station servicing at Racer Rocks and Hugo Island COPA Field Camp pickup <a href="#">Antarctic Data Repository for LMG02-08</a>	<b>NOAA Collaboration</b> <b>Chuck Stearns</b> <b>OO-283-O</b> <b>Wayne Trivelpiece</b> <b>BO-040-O</b>	11/3/2002 11/7/2002 11/11/2002 11/13/2002	PUQ CS PAL COPA	11/7/2002 11/9/2002 11/13/2002 11/17/2002	CS PAL COPA PUQ
LMG02-9	The Scotia Arc GPS Project: Focus on the Antarctic Peninsula and South Shetland Islands AMS Radiocarbon Chronology of Glacier Fluctuations in the South Shetland Islands During the Last Glacial/Interglacial Hemicycle: Implications for the Role of Antarctica in Global Climate Change (Hall Field Camp Put-in on Liv. Island) <a href="#">Antarctic Data Repository for LMG02-09</a>	<b>Fred Taylor</b> <b>GO-080-O</b> <b>Brenda Hall</b> <b>IO-196-L</b>	11/23/2002 12/1/2002 12/20/2002	PUQ PAL PAL	12/1/2002 12/18/2002 12/23/2002	PAL PAL PUQ
<b>2003</b> <b>CRUISE #</b>	<b>CRUISE NAME</b>	<b>PRINCIPAL</b> <b>INVESTIGATOR(S)</b>	<b>DATE</b> <b>DEPARTED</b>	<b>PORT</b> <b>DEPARTED</b>	<b>DATE</b> <b>ARRIVED</b>	<b>PORT</b> <b>ARRIVED</b>
LMG03-1	Long-Term Ecological Research on the Antarctic Marine Ecosystem: An Ice-Dominated Environment (LTER) <a href="http://www.ices.edu/iter/iter.html">http://www.ices.edu/iter/iter.html</a>  <a href="#">Antarctic Data Repository for LMG03-01</a>	<b>Bill Fraser</b> <b>BP-013-O</b> <b>Maria Vernet</b> <b>BP-016-O</b> <b>Doug Martinson</b> <b>BP-021-O</b> <b>Langdon Quetin</b> <b>Robin Ross</b> <b>BP-028-O</b> <b>Ray Smith</b> <b>BP-032-O</b> <b>Hugh Ducklow</b> <b>BP-045-O</b>	12/31/2002 1/5/2003 2/4/2003	PUQ PAL PAL	1/4/2003 2/2/2003 2/8/2003	PAL PAL PUQ

LMG03-2	SO GLOBEC: Mysticete Whale Acoustic Census in the GLOBEC West Antarctic Project Area SO GLOBEC: Circulation and Water Property Evolution <a href="http://www.ccpo.edu/Research/globec_menu.html">http://www.ccpo.edu/Research/globec_menu.html</a> <a href="#">Antarctic Data Repository for LMG03-02</a>	<a href="#">John Hildebrand</a> BP-239-O <a href="#">Bob Beardsley</a> OG-231-O	2/13/2003 2/17/2003 3/3/2003	PUQ PAL PAL	2/17/2003 3/2/2003 3/7/2003	PAL PAL PUQ
LMG03-3	Development of a luminescence dating capability for antarctic glaciomarine sediments: Tests of signal zeroing at the Antarctic peninsula <a href="http://www.dees.dri.edu/Projects/berger_antarctica.htm">http://www.dees.dri.edu/Projects/berger_antarctica.htm</a> <a href="#">Antarctic Data Repository for LMG03-03</a>	<a href="#">Glenn Berger</a> GO-092-O	3/12/2003 3/17/2003 3/25/2003	PUQ PAL PAL	3/16/2003 3/25/2003 3/29/2003	PAL PAL PUQ
LMG03-4	Structure, function and expression of tbuulins, globins, and microtubule-dependent motors from cold-adapted Antarctic fishes  Cold body temperature as an evolutionary shaping force in the physiology of Antarctic fishes CTD operations and mooring recovery science of opportunity <a href="#">Antarctic Data Repository for LMG03-04</a>	<a href="#">Bill Detrich</a> B-037-L  <a href="#">Bruce Sidell</a> B-036-L <a href="#">Martin Visbeck</a>	4/5/2003 4/11/2003  4/25/2003 5/3/2003	PUQ PAL  PAL PAL	4/9/2003 4/25/2003  5/2/2003 5/7/2003	PAL PAL  PAL PUQ
LMG03-4A	Structure, function and expression of tbuulins, globins, and microtubule-dependent motors from cold-adapted Antarctic fishes  Cold body temperature as an evolutionary shaping force in the physiology of Antarctic fishes	<a href="#">Bill Detrich</a> B-037-L  <a href="#">Bruce Sidell</a> B-036-L	5/10/2003 5/16/2003 5/20/2003 5/23/2003 5/24/2003 6/1/2003	PUQ PAL PAL PAL VRN PAL	5/14/2003 5/20/2003 5/23/2003 5/24/2003 5/26/2003 6/5/2003	PAL PAL PAL VRN PAL PUQ
LMG03-5	Palmer Station Shuttle	NA	6/16/2003 6/24/2003	PUQ PAL	6/20/2003 6/28/2003	PAL PUQ
Maintenance	Maintenance Period at Punta Arenas, Chile	NA	6/29/2003	At PUQ	8/15/2003	At PUQ
LMG03-5A	Palmer Station Shuttle Advanced Microwave Scanning Radiometer (AMSR) Sea Ice Validation during the Traverse to Antarctica <a href="http://www.gfcc.msfc.nasa.gov/AMSR/">http://www.gfcc.msfc.nasa.gov/AMSR/</a>	<a href="#">Konrad Steffen</a> O-309-L	8/16/2003 8/21/2003	PUQ PAL	8/18/2003 9/3/2003	PAL PUQ
Open Period	Open Period for Maintenance	NA	9/7/2003	At PUQ	9/20/2003	At PUQ
LMG03-6	Palmer Station Shuttle	NA	9/22/2003 10/1/2003	PUQ PAL	9/26/2003 10/5/2003	PAL PUQ
LMG03-7	Palmer Station Shuttle	NA	10/10/2003 10/14/2003 10/18/2003	PUQ COPA PAL	10/14/2003 10/16/2003 10/23/2003	COPA PAL PUQ
LMG03-7A	Open Period	NA	10/23/2003	At PUQ	11/6/2003	At PUQ
LMG03-8	Dynamic Similarity or Size Proportionality?: Adaptations of a Polar Copepod Long-Term Data Collection at Select Antarctic Peninsula Visitor Sites	<a href="#">Jeannette Yen</a> B-285-L <a href="#">Ronald Naveen</a> B-086-E	11/7/2003 11/11/2003 11/13/2003 11/14/2003 11/14/2003	PUQ CS PAL PMN PAL	11/11/2003 11/12/2003 11/14/2003 11/14/2003 11/19/2003	CS PAL PMN PAL PUQ
LMG03-9	Global Climate Change and the Evolutionary Ecology of Antarctic Mollusks in the Late Eocene Evolution and Biogeography of Late Cretaceous Vertebrates from the James Ross Basin, Antarctic Peninsula Dynamics of Predator-Prey Behavior in the Antarctic Ocean	<a href="#">Daniel Blake</a> G-065-L <a href="#">Judd Case</a> G-061-E <a href="#">Richard Veit</a> B-023-L	11/23/2003 12/2/2003	PUQ PAL	11/30/2003 12/29/2003	PAL PUQ
<b>2004</b>	<b>CRUISE NAME</b>	<b>PRINCIPAL</b>	<b>DATE</b>	<b>PORT</b>	<b>DATE</b>	<b>PORT</b>
<b>CRUISE #</b>		<b>INVESTIGATOR(S)</b>	<b>DEPARTED</b>	<b>DEPARTED</b>	<b>ARRIVED</b>	<b>ARRIVED</b>
LMG04-1	Long-Term Ecological Research on the Antarctic Marine Ecosystem: An Ice-Dominated Environment (LTER) <a href="http://www.icess.ucsb.edu/lter/lter.html">http://www.icess.ucsb.edu/lter/lter.html</a>	<a href="#">Bill Fraser</a> BP-013-O <a href="#">Maria Vernet</a> BP-016-O <a href="#">Doug Martinson</a> BP-021-O <a href="#">Langdon Quetin</a> <a href="#">Robin Ross</a> BP-028-O <a href="#">Ray Smith</a> BP-032-O <a href="#">Hugh Ducklow</a> BP-045-O	1/1/2004 1/7/2004 1/23/2004 1/25/2004 1/27/2004 2/2/2004	PUQ PAL Avian Island ROT Avian Island PAL	1/5/2004 1/23/2004 1/24/2004 1/27/2004 2/1/2004 2/7/2004	PAL Avian Island ROT Avian Island PAL PUQ
LMG04-2	Plankton Community Structure and Iron Distribution in the Southern Drake Passage  <a href="http://www.es.umb.edu/faculty/mzh/files/sfz/sfz.htm">http://www.es.umb.edu/faculty/mzh/files/sfz/sfz.htm</a>	<a href="#">Chris Measures</a> B-225-L <a href="#">B. Greg Mitchell</a> B-228-L <a href="#">Meng Zhou</a> B-248-L	2/12/2004 2/17/2004 2/18/2004 3/20/2004	PUQ PAL PMN PAL	2/16/2004 2/18/2004 3/18/2004 3/24/2004	PAL PMN PAL PUQ
LMG04-3	SO GLOBEC: Mysticete Whale Acoustic Census in the GLOBEC West Antarctic Project Area Palmer Station shuttle	<a href="#">John Hildebrand</a> B-239-L	3/28/2004 4/2/2004 4/8/2004	PUQ KGI PAL	4/2/2004 4/3/2004 4/12/2004	KGI PAL PUQ

LMG04-4	Collaborative research: Paleohistory of the Larsen Ice Shelf: Phase II Consortium on the Ocean's Role in Climate (CORC) AbRupt climate CHangE Studies (ARCHES)	<b>Eugene Domack</b> <b>G-096-L</b> <b>Martin Visbeck</b> <b>O-124-L</b>	4/16/2004 5/19/2004 5/21/2004 5/23/2004	PUQ PAL ROT VRN	5/9/2004 5/20/2004 5/22/2004 5/27/2004	PAL ROT VRN PUQ
LMG04-5	Palmer Station Shuttle	N/A	5/14/2004 5/19/2004 5/21/2004 5/22/2004	PUQ PAL ROT VRN	5/18/2004 5/20/2004 5/22/2004 5/27/2004	PAL ROT VRN PUQ
LMG04-6	Palmer Station Shuttle	N/A	5/30/2004 6/5/2004	PUQ PAL	6/3/2004 6/9/2004	PAL PUQ
LMG04-7	Palmer Station Shuttle	N/A	6/12/2004 6/23/2004	PUQ PAL	6/16/2004 6/27/2004	PAL PUQ
LMG04-8	Northbound hazardous waste run	N/A	6/30/2004 7/22/2004	PUQ PAN	7/17/2004 7/27/2004	PAN FCH
LMG04-9	Maintenance Period/Dry Dock at Port Fourchon, LA	N/A		At FCH		
LMG04-10	Southbound Transit to PUQ Talcahuano Dry Dock-Sonar window leak repair	N/A	8/19/2004 8/31/2004 9/17/2004	FCH PAN TAL	8/26/2004 9/13/2004 9/23/2004	PAN TAL PUQ
LMG04-11	Palmer Station Opening Tracers of biological productivity and gas exchange	<b>Steven Emerson</b> <b>O-271-L</b>	9/28/2004 10/8/2004	PUQ PAL	10/3/2004 10/13/2004	PAL PUQ
LMG04-12	Foraging Behavior and Demography of Pygoscelis Penguins (COPA Field Camp) COPA Field Camp Opening	<b>Trivelpiece</b> <b>B-040-E</b>	10/17/2004 10/21/2004 10/25/2004	PUQ COPA PAL	10/21/2004 10/23/2004 10/30/2004	COPA PAL PUQ
LMG04-13A	Long-Term Data Collection at Select Antarctic Peninsula Visitor Sites Cape Shirreff Field Camp Put-in/Opening COPA stop on northbound transit	<b>Ronald Naveen</b> <b>B-086-E</b>	11/6/2004 11/10/2004 11/12/2004 11/12/2004 11/14/2004	PUQ CS PAL PMN COPA/ Jubany/Frei	11/10/2004 11/11/2004 11/12/2004 11/14/2004 11/18/2004	CS PAL PMN COPA/ Jubany/Frei PUQ
LMG04-14	Relevance of planktonic larval dispersal to endemism and biogeography of antarctic benthic invertebrates Salpa thompsoni in the Sourther Ocean: Bioenergetics, population dynamics and biogeochemical impact	<b>Kenneth Halanych</b> <b>B-281-L</b> <b>Pat Kremer</b> <b>B-307-L</b>	11/23/2004 12/17/2004	PUQ PAL	12/16/2004 12/22/2004	PAL PUQ
2005 CRUISE #	CRUISE NAME	PRINCIPAL INVESTIGATOR(S)	DATE DEPARTED	PORT DEPARTED	DATE ARRIVED	PORT ARRIVED
LMG05-01	Long-Term Ecological Research on the Antarctic Marine Ecosystem: An Ice-Dominated Environment (LTER) <a href="http://www.icess.ucsb.edu/lter/lter.html">http://www.icess.ucsb.edu/lter/lter.html</a>	<b>Bill Fraser</b> <b>BP-013-O</b> <b>Maria Vernet</b> <b>BP-016-O</b> <b>Doug Martinson</b> <b>BP-021-O</b> <b>Langdon Quetin</b> <b>Robin Ross</b> <b>BP-028-O</b> <b>Ray Smith</b> <b>BP-032-O</b> <b>Hugh Ducklow</b> <b>BP-045-O</b>	12/29/2004 1/4/2005 2/2/2005	PUQ PAL PAL	1/2/2005 2/1/2005 2/6/2005	PAL PAL PUQ
LMG05-02	Paleohistory of the Larsen Ice Shelf: Phase III	<b>Eugene Domack</b> <b>G-096-L</b>	2/11/2005	PUQ	3/12/2005	PUQ
LMG05-03	Palmer Station Shuttle and Turnover	N/A	3/15/2005 3/24/2005 3/25/2005	PUQ PAL PMN	3/19/2005 3/24/2005 3/28/2005	PAL PMN PUQ
LMG05-04	Mysticete Whale Acoustic Census in the GLOBEC West Antarctic Project Area	<b>John Hildebrand</b> <b>B-239-L</b>	4/2/2005 4/11/2005	PUQ PAL	4/7/2005 4/15/2005	PAL PUQ
LMG05-05	Cold body Temperature as an Evolutionary Shaping Force in the Physiology of Antarctic Fishes	<b>Bruce Sidell</b> <b>B-036-L</b>	4/20/2005 4/26/2005 5/2/2005 5/4/2005 5/8/2005	PUQ PAL PAL PAL PAL	4/25/2005 4/28/2005 5/3/2005 5/6/2005 5/12/2005	PAL PAL PAL PAL PUQ
LMG05-06	Cold body Temperature as an Evolutionary Shaping Force in the Physiology of Antarctic Fishes	<b>Bruce Sidell</b> <b>B-036-L</b>	5/18/2005 5/22/2005 5/27/2005 5/31/2005 6/5/2005	PUQ PAL PAL PAL PAL	5/22/2005 5/25/2005 5/28/2005 6/1/2005 6/9/2005	PAL PAL PAL PAL PUQ
LMG05-07	Tracers of Biological Productivity and Gas Exchange Palmer Station hazardous waste pickup	<b>Steven Emerson</b> <b>O-271-L</b>	6/13/2005 6/24/2005	PUQ PAL	6/18/2005 6/28/2005	PAL PUQ
LMG05-08	Northbound hazardous waste run to Port Hueneme, CA	N/A	7/3/2005	PUQ	7/31/2005	PTH
LMG05-09	Southbound Transit to PUQ Stopover in Puerto Montt for Distinguished Visitor pickup	N/A	8/15/2005 9/7/2005	PTH PMC	9/6/2005 9/11/2005	PMC PUQ

Note: cruise number LMG05-10 was not used

LMG05-11	Palmer Station opening.		9/16/2005 9/23/2005	PUQ PAL	9/20/2005 9/29/2005	PAL PUQ
LMG05-11A	LMG Drydock		10/1/2005 10/13/2005	PUQ TAL	10/9/2005 10/19/2005	TAL PUQ
LMG05-12	COPA Opening		10/22/2005 10/28/2005 10/30/2005	PUQ COPA PAL	10/26/2005 10/29/2005 11/3/2005	COPA PAL PUQ
Note: cruise number LMG05-13 was not used						
LMG05-14	Long-Term Data Collection at Select Antarctic Peninsula Visitor Sites. Cape Shirreff Field Camp Put-in/Opening. LTER Site Visit Nov. 14, 15, 16.	<b>Ronald Naveen</b> B-086-E	11/7/2005 11/11/2005 11/12/2005 11/17/2005	PUQ CS PMN PAL	11/10/2005 11/12/2005 11/13/2005 11/21/2005	CS PMN PAL PUQ
LMG05-14A	Free drifting icebergs: Influence of floating islands on pelagic ecosystems in the Weddell Sea	<b>Ken Smith</b> B-050-L	11/25/2005 11/29/2005 12/23/2005 12/24/2005	PUQ PAL PAL CS	11/29/2005 12/23/2005 12/24/2005 12/27/2005	PAL PAL CS PUQ
2006 CRUISE #	CRUISE NAME	PRINCIPAL INVESTIGATOR(S)	DATE DEPARTED	PORT DEPARTED	DATE ARRIVED	PORT ARRIVED
LMG06-01	Long-Term Ecological Research on the Antarctic Marine Ecosystem: An Ice-Dominated Environment (LTER) <a href="http://www.icess.ucsb.edu/lter/lter.html">http://www.icess.ucsb.edu/lter/lter.html</a>	<b>Bill Fraser</b> B-013-L/P <b>Maria Vernet</b> B-016-L/P <b>Doug Martinson</b> B-021-L <b>Langdon Quetin</b> <b>Robin Ross</b> B-028-L/P <b>Ray Smith</b> B-032-L/P <b>Hugh Ducklow</b> B-045-L/P	1/1/2006 1/7/2006 2/5/2006	PUQ PAL PAL	1/5/2006 2/4/2006 2/9/2006	PAL PAL PUQ
LMG06-02	Salpa thompsoni in the Southern Ocean: Bioenergetics, population dynamics and biogeochemical impact	<b>Laurence Madin</b> B-307-L	2/14/2006 2/20/2006 3/11/2006 3/12/2006	PUQ PAL PMN PAL	2/19/2006 3/11/2006 3/11/2006 3/16/2006	PAL PMN PAL PUQ
LMG06-03	Processes driving spatial and temporal variability of surface pCO2 in the Drake Passage	<b>Taro Takahashi</b> O-214-L/N	3/21/2006 3/31/2006	PUQ PAL	3/29/2006 4/4/2006	PAL PUQ
LMG06-03A	Palmer Station Shuttle	N/A	4/8/2006 4/15/2006	PUQ PAL	4/12/2006 4/22/2006	PAL PUQ
LMG06-04	Palmer Station Turnover	N/A	4/25/2006 5/3/2006	PUQ PAL	4/30/2006 5/7/2006	PAL PUQ
LMG06-05	Relevance of planktonic larval dispersal to endemism and biogeography of antarctic benthic invertebrates	<b>Kenneth Halanych</b> B-281-L	5/13/2006 5/21/2006 6/9/2006	PUQ PAL PAL	5/20/2006 6/8/2006 6/14/2006	PAL PAL PUQ
LMG06-06	Palmer Station Shuttle Day trip to Vernadsky Station	N/A	6/19/2006 6/25/2006 6/25/2006 6/28/2006	PUQ PAL VRN PAL	6/24/2006 6/25/2006 6/26/2006 7/2/2006	PAL VRN PAL PUQ
LMG06-07	Open Period	N/A	7/3/2006	PUQ	8/6/2006	PUQ
LMG06-08	Palmer Station Shuttle	N/A	8/6/2006 8/11/2006	PUQ PAL	8/10/2006 8/16/2006	PAL PUQ
LMG06-09	Open Period	N/A	8/18/2006	PUQ	9/10/2006	PUQ
LMG06-10	Palmer Station Opening	N/A	9/15/2006 9/25/2006	PUQ PAL	9/20/2006 9/30/2006	PAL PUQ
LMG06-11	COPA Opening	N/A	10/5/2006 10/10/2006 10/12/2006	PUQ COPA PAL	10/9/2006 10/11/2006 10/16/2006	COPA PAL PUQ
LMG06-11A	Open Period	N/A	10/20/2006	PUQ	10/25/2006	PUQ
LMG06-11B	Long-Term Data Collection at Select Antarctic Peninsula Visitor Sites	<b>Ronald Naveen</b> B-086-L	10/28/2006 11/1/2006 11/3/2006 11/3/2006 11/4/2006	PUQ CS PAL PMN COPA	11/1/2006 11/2/2006 11/3/2006 11/4/2006 11/8/2006	CS PAL PMN COPA PUQ
LMG06-12	NSF Operations	N/A	11/12/2006 11/16/2006 11/17/2006 11/20/2006 11/23/2006 11/24/2006 11/26/2006 11/27/2006	PUQ PAL PMN ROT OHG ESP DEC KGI	11/16/2006 11/17/2006 11/19/2006 11/23/2006 11/24/2006 11/25/2006 11/27/2006 12/1/2006	PAL PMN ROT OHG ESP DEC KGI PUQ



LMG06-13	Palmer Station Shuttle	N/A	12/6/2006 12/10/2006	PUQ PAL	12/9/2006 12/14/2006	PAL PUQ
LMG06-14	Palmer Station Shuttle	N/A	12/18/2006 12/23/2006	PUQ PAL	12/22/2006 12/27/2006	PAL PAL
2007 CRUISE #	CRUISE NAME		DATE DEPARTED	PORT DEPARTED	DATE ARRIVED	PORT ARRIVED
LMG07-01	Long-Term Ecological Research on the Antarctic Marine Ecosystem: An Ice-Dominated Environment (LTER) <a href="http://www.ices.ucsb.edu/lter/lter.html">http://www.ices.ucsb.edu/lter/lter.html</a>	<b>Bill Fraser</b> B-013-L/P <b>Maria Vernet</b> B-016-L/P <b>Doug Martinson</b> B-012-L <b>Robin Ross</b> B-028-L/P <b>Ray Smith</b> B-032-L/P <b>Hugh Ducklow</b> B-045-L/P	1/1/2007 1/7/2007 2/7/2007	PUQ PAL PAL	1/5/2007 2/6/2007 2/11/2007	PAL PAL PUQ
LMG07-02	Peterman Island pick-up Close Cape Shirreff Close COPA		2/16/2007 2/20/2007 2/22/2007 2/22/2007 2/24/2007 2/26/2007	PUQ COPA PAL PMN CS COPA	2/20/2007 2/21/2007 2/22/2007 2/24/2007 2/26/2007 3/1/2007	COPA PAL PMN CS COPA PUQ
LMG07-03	Palmer Station Shuttle		3/8/2007 3/15/2007	PUQ PAL	3/12/2007 3/19/2007	PAL PUQ
LMG07-04	Palmer Station Turnover	<b>Robert Blanchette</b> B-038-E	3/23/2007 4/2/2007	PUQ PAL	3/28/2007 4/6/2007	PAL PUQ
LMG07-05	Differential Expression of Oxygen-Binding Proteins in Antarctic Fishes Affecting Nitric Oxide-Mediated Pathways of Angiogenesis and Mitochondrial Biogenesis. Habitat Utilization of Southern Ocean Seals: Foraging Behavior of Crabeater and Elephant Seals Using Novel Methods of Oceanographic Data Collection	<b>Bruce Sidell</b> B-036-L  <b>Dan Costa</b> B-232-L	4/11/2007 4/17/2007 4/20/2007 4/30/2007 5/5/2007	PUQ PAL PAL PAL PAL	4/15/2007 4/20/2007 4/28/2007 5/3/2007 5/8/2007	PAL PAL PAL PAL PUQ
LMG07-06	Differential Expression of Oxygen-Binding Proteins in Antarctic Fishes Affecting Nitric Oxide-Mediated Pathways of Angiogenesis and Mitochondrial Biogenesis. Habitat Utilization of Southern Ocean Seals: Foraging Behavior of Crabeater and Elephant Seals Using Novel Methods of Oceanographic Data Collection	<b>Bruce Sidell</b> B-036-L  <b>Dan Costa</b> B-232-L	5/12/2007 5/17/2007 5/27/2007 5/30/2007	PUQ PAL VRN PAL	5/16/2007 5/27/2007 5/27/2007 6/3/2007	PAL VRN PAL PUQ
LMG07-07	Hazardous waste shuttle	N/A	6/7/2007	PUQ	6/11/2007	PAL
LMG07-08	Northbound hazardous waste run	N/A	6/18/2007 6/25/2007	PAL PUQ PAN	6/23/2007 7/19/2007	PUQ PAN FCH
Note: cruise number LMG07-09 was not used						
LMG07-10	Drydock	N/A	7/19/2007	FCH	8/11/2007	FCH
LMG07-11	Southbound Transit to Punta Arenas, Chile	N/A	8/11/2007	FCH	9/6/2007	PUQ
LMG07-12	Palmer Station Opening	N/A	9/13/2007 9/24/2007	PUQ PAL	9/17/2007 9/29/2007	PAL PUQ
LMG07-13	COPA Opening	N/A	10/8/2007 10/13/2007 10/15/2007	PUQ COPA PAL	10/12/2007 10/14/2007 10/20/2007	COPA PAL PUQ
LMG07-14	Open Period	N/A	10/25/2007	PUQ	10/31/2007	PUQ
LMG07-15	Cape Shirreff Opening Petermann Island Camp Put-In	N/A	11/4/2007 11/7/2007 11/8/2007 11/9/2007 11/12/2007	PUQ CS PAL PMN PAL	11/7/2007 11/8/2007 11/9/2007 11/10/2007 11/16/2007	CS PAL PMN PAL PUQ
Note: cruise number LMG07-16 was not used						
LMG07-17	Vertebrate Paleontology of Livingston Island, South Shetlands, Antarctica Collaborative Research: Testing the Polar Gateway Glaciation Hypothesis: the Kinematic, Sedimentary, Water-Mass, and Ice-Volume Record of Drake Passage Opening	<b>Ross MacPhee</b> G-170-E <b>David Barbeau</b> G-432-E	11/22/2007 12/2/2007 12/2/2007 12/4/2007 12/10/2007 12/16/2007 12/16/2007	PUQ LIV VRN PAL LIV SEY ESP	11/26/2007 12/2/2007 12/3/2007 12/8/2007 12/11/2007 12/16/2007 12/22/2007	LIV VRN PAL LIV SEY ESP PUQ

2008 CRUISE #	CRUISE NAME		DATE DEPARTED	PORT DEPARTED	DATE ARRIVED	PORT ARRIVED
LMG08-01	Long-Term Ecological Research on the Antarctic Marine Ecosystem: An Ice-Dominated Environment (LTER) <a href="http://www.icess.ucsb.edu/lter/lter.html">http://www.icess.ucsb.edu/lter/lter.html</a>	<a href="#">Bill Fraser</a> <a href="#">B-013-L/P</a> <a href="#">Maria Vernet</a> <a href="#">B-016-L/P</a> <a href="#">Doug Martinson</a> <a href="#">B-012-L</a> <a href="#">Langdon Quetin</a> <a href="#">Robin Ross</a> <a href="#">B-028-L/P</a> <a href="#">Hugh Ducklow</a> <a href="#">B-045-L/P</a>	12/30/2007 1/5/2008 2/5/2008	PUQ PAL PAL	1/3/2008 2/3/2008 2/9/2008	PAL PAL PUQ
LMG08-02	Collaborative Research: Benthic faunal feeding dynamics on the Antarctic Shelf and the effects of global climate change on betho-pelagic coupling	<a href="#">David DeMaster</a> <a href="#">B-237-L</a> <a href="#">Craig Smith</a> <a href="#">B-212-L</a>	2/14/2008 2/20/2008 3/13/2008	PUQ PAL PAL	2/19/2008 3/12/2008 3/17/2008	PAL PAL PUQ
LMG08-03	Palmer Station Turnover	N/A	3/22/2008 3/31/2008	PUQ PAL	3/26/2008 4/4/2008	PAL PUQ
LMG08-04	Collaborative Research: Testing the impact of seasonality on benthic formanifers as paleoenvironmental proxies.	<a href="#">Scott Ishman</a> <a href="#">G-183-L</a>	4/8/2008 4/19/2008	PUQ PAL	4/17/2008 4/23/2008	PAL PUQ
Note: cruise number LMG08-05 was not used						
LMG08-06	Protein folding and function at cold temperature: Co-evolution of the chaperonin CCT and tubulins from antarctic fishes	<a href="#">Bill Detrich</a> <a href="#">B-037-L</a>	4/27/2008 5/4/2008 5/9/2008 5/13/2008 5/17/2008 5/21/2008	PUQ PAL PAL PAL PAL PAL	5/2/2008 5/6/2008 5/12/2008 5/17/2008 5/19/2008 5/25/2008	PAL PAL PAL PAL PAL PUQ
LMG08-07	Protein folding and function at cold temperature: Co-evolution of the chaperonin CCT and tubulins from antarctic fishes	<a href="#">Bill Detrich</a> <a href="#">B-037-L</a>	5/28/2008 6/3/2008 6/7/2008 6/15/2008	PUQ PAL PAL PAL	6/2/2008 6/6/2008 6/9/2008 6/19/2008	PAL PAL PAL PUQ