

**Advance Exchange of Operational Information on
Antarctic Activities
for the 2007–2008 season**



United States Antarctic Program

**Office of Polar Programs
National Science Foundation**

Advance Exchange of Operational Information on Antarctic Activities for 2007/2008 Season

Country: UNITED STATES

Date Submitted: November 2007

SECTION 1	SHIP OPERATIONS Commercial charter <i>ODEN</i> Oct 20, 2007 Depart from Landskrona Nov 25-29, 2007 Port Call in Punta Arenas Nov 29, 2007 Depart from Punta Arenas Jan 7, 2008 Arrives at ice edge Jan 8, 2008 Begins channel operations Jan 21, 2008 Channel operations complete Feb 9, 2008 Departs McMurdo U.S. Coast Guard Breaker <i>POLAR SEA</i> The <i>POLAR SEA</i> will be in back-up support for icebreaking services if needed. <i>M/V AMERICAN TERN</i> Jan. 23-25, 2007 Port Call Lyttleton, NZ Feb. 1, 2007 Arrive Ice edge, McMurdo Sound Feb. 2-8, 2007 At ice pier, McMurdo Sound Feb 9, 2007 Depart McMurdo Feb 16-18, 2007 Port Call Lyttleton, NZ T-5 Tanker, (One of five possible vessels. Specific name of vessel to be determined) Jan. 22, 2007 Arrive Ice Edge, McMurdo Sound Jan. 22-26, 2007 At Ice Pier, McMurdo. Re-fuel Station Jan. 27, 2007 Depart McMurdo <i>R/V LAURENCE M. GOULD</i> For detailed and updated schedule, log on to: http://www.usap.gov/vesselScienceAndOperations/documents/lmgsched.pdf <i>R/V NATHANIEL B. PALMER</i> For detailed and updated schedule, log on to: http://www.usap.gov/vesselScienceAndOperations/documents/nbpsched.pdf
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SECTION 2	<p>AIR OPERATIONS</p> <p>Information on planned air operations (see attached sheets)</p>
SECTION 3	<p>STATIONS</p> <p>a) New stations or refuges not previously notified: NONE</p> <p>b) Stations closed or refuges abandoned and not previously notified: NONE</p>
SECTION 4	<p>LOGISTICS ACTIVITIES AFFECTING OTHER NATIONS</p> <p>a) McMurdo airstrip will be used by Italian and New Zealand C-130s and Italian Twin Otters</p> <p>b) McMurdo Heliport will be used by New Zealand and Italian helicopters</p> <p>c) Extensive air, sea and land logistic cooperative support with New Zealand</p> <p>d) Twin Otters and Basler to pass through Rothera (UK) upon arrival and departure from Antarctica</p> <p>e) Italian Twin Otter will likely pass through South Pole and McMurdo.</p> <p>f) The USAP and Antarctica New Zealand (ANZ) will construct a road and drill pad in support of the ANDRILL program.</p> <p>g) McMurdo will support CONCORDIASI, a joint project supported by NSF and the French agencies CNES and CNRS.</p> <p>h) South Pole will support IceCube, an international collaboration including the US, Germany, and Sweden.</p>
SECTION 5	<p>MAJOR FIELD ACTIVITIES</p> <ul style="list-style-type: none"> • Field camps: <ul style="list-style-type: none"> Dry Valleys (Multiple Locations) Sea Ice (Multiple Locations) Ross Island (Multiple locations) Siple Dome (81° 30'S, 146°00'W) Western Antarctic Ice Sheet (WAIS) Divide Camp (-79° 28'S, -112° 52'W) Antarctica's Gamburtsev Province - AGAP (multiple locations) • Traverse <ul style="list-style-type: none"> South Pole Heavy traverse. (Traverse expected to extend to make round trip SP to MCM via Leverett Glacier)

SECTION 6	OTHER ANTARCTIC ACTIVITIES																												
	<p data-bbox="407 359 1317 426">(a) Governmental: (grantees, ICDS, RPSC) Persons will work with other contracting parties as follows:</p> <hr/> <table data-bbox="407 436 1386 1514"> <tr> <td data-bbox="407 436 792 499">Mary Albert (+4)</td> <td data-bbox="792 436 1386 499">Traverse, Troll Station to South Pole Station, Norwegian Polar Institute</td> </tr> <tr> <td data-bbox="407 510 792 573">Geoffrey Haines-Stiles (+0)</td> <td data-bbox="792 510 1386 573">Traverse, Troll Station to South Pole Station, Norwegian Polar Institute</td> </tr> <tr> <td data-bbox="407 583 792 678">Robert Bindschadler (+1) Robert Blanchette (+2) David Harwood (+27)</td> <td data-bbox="792 583 1386 678">Pine Island Glacier with British Antarctic Survey Ross Sea Region with Antarctica New Zealand ANDRILL Southern McMurdo Sound drilling with New Zealand, Germany, and Italy</td> </tr> <tr> <td data-bbox="407 688 792 751">Matthew Lazzara (+5)</td> <td data-bbox="792 688 1386 751">French IPEV, British BAS, Japan Multiple AWS Sites</td> </tr> <tr> <td data-bbox="407 762 792 825">Umran Inan (+1)</td> <td data-bbox="792 762 1386 825">Instrument installation at Vernadsky Station, Ukrainian National Antarctic Program</td> </tr> <tr> <td data-bbox="407 835 792 951">Daniel Costa (+1) Wayne Trivelpiece (+3) Terry Wilson – POLENET (+16)</td> <td data-bbox="792 835 1386 951">NOAA at Cape Shirreff, Livingston Island NOAA on R/V Yuzmorgeologiya Transantarctic Mountains seismic/GPS station installation with ANZ; 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Patriot Hills with Antarctic Logistics & Expeditions; Sky Blu with BAS logistical support	Ron Naveen (+7)	Petermann Island transits via M/S Orlova & M/S Endeavour	Robert Sherrell (+2)	Amundsen and Ross Seas onboard ODEN, Swedish Polar Research Secretariat	Walker Smith (+1)	Amundsen and Ross Seas onboard ODEN, Swedish Polar Research Secretariat	David Hutchins (+0)	Amundsen and Ross Seas onboard ODEN, Swedish Polar Research Secretariat	Scott Gallager (+0)	Amundsen and Ross Seas onboard ODEN, Swedish Polar Research Secretariat	Patricia Yager (+1)	Amundsen and Ross Seas onboard ODEN, Swedish Polar Research Secretariat	Xiaojun Yuan (+0)	Amundsen and Ross Seas onboard ODEN, Swedish Polar Research Secretariat	Delores Garay (+0) RPSC (+3)	PolarTREC educator onboard ODEN Technicians onboard ODEN
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SECTION 6**OTHER ANTARCTIC ACTIVITIES**

Station, Cierva Cove, Palmer Station, Orne Islands, Antarctic Sound, Lemaire Channel, Paulet Island, Aitcho-Barrientos Island, Almirante Brown, Pleneau Island, Half Moon Island, Cuverville Island, Penguin Island, Enterprise Island, and Goudier Island.

- *M/S Clipper Adventurer*
Zegrahm Expeditions

2 cruises approx. 122 passengers and 80 staff and crew
November 17, 2007, to January 22, 2008

Sites visited may vary depending on weather and ice conditions as well as length of cruise, and may include Snow Hill Rookery, Half Moon, Paradise, Petermann, South Orkney Islands, Elephant Island, Point Wild, Cape Lookout, Esperanza Station, Paulet Island, Devil Island, Brown Bluff, Gourdier Island, Almirante Brown, Bailey Head, Whalers Bay, Pendulum Cove, Neko Harbor, Jougla Point, and Lemaire Channel.

- *I/B Kapitan Khlebnikov*
Zegrahm Expeditions

1 cruise approx. 108 passengers and 78 staff and crew
October 14, 2007, to October 26, 2007

Sites visited may vary depending on weather and ice conditions as well as length of cruise, and may include Snow Hill Rookery, Half Moon, Paradise, Petermann, South Orkney Islands, Elephant Island, Point Wild, Cape Lookout, Esperanza Station, Paulet Island, Devil Island, Brown Bluff, Gourdier Island, Almirante Brown, Bailey Head, Whalers Bay, Pendulum Cove, Neko Harbor, Jougla Point, and Lemaire Channel.

- *M/V Corinthian II*
Travel Dynamics International

6 cruises approx. 114 passengers, 75 staff and crew
December 22, 2007, to February 20, 2008

Sites visited may vary depending on weather and ice conditions as well as length of cruise, and may include Penguin Island, Brown Bluff, Paulet Island, Cuverville Island, Neko Harbour, Dorian Bay, Lemair Channel, Petermann Island, Almirante Brown, Paradise Bay, Port Lockroy, Whalers Bay, Hannah Point, Palmer Station, Vernansky Station, Pendulum Cove, Half Moon Island, and Aitcho Island.

- *SV Seal*
Sterna Corporation

One cruise, maximum of 6 passengers, 2 crew
February 19, 2008, to March 19, 2008

Sites visited may vary depending on weather and ice conditions as well as length of cruise, and may include Melchior Islands, Port Lockroy, Argentine Islands, Mutton Cove, Detaille, Horseshoe Island, and Flounder Island

SECTION 6

OTHER ANTARCTIC ACTIVITIES

- Private Yacht “*Egret*”
One cruise, maximum of five crew
December 28, 2007, to January 31, 2008

Sites visited may vary depending on weather and ice conditions as well as length of cruise, and may include Whale Harbor, Deception Island, Trinity Island, Murray Harbor, Enterprise Island, Danko Island, Paradise Harbor, Port Lockroy, Palmer Station, Butler Channel, LeMaire Channel, Penola Strait, Galindez Island, Booth Island, Skontorp Cove, Neko Harbor, Gamma Island, Melchior Island, and Andersen Island

- Private Yacht “*Condesa*”
○ One cruise, maximum of three crew
February 1, 2008, to February 26, 2008

Sites visited may vary depending on weather and ice conditions as well as length of cruise, and may include Deception Island, Enterprise Island, Paradise Bay, Pleneau Anchorage, Skua Creek, Charcot Anchorage, and Dorian Bay.

- Private Yacht “*Tamara*”
One cruise, maximum of four crew

January 1, 2008, to February 10, 2008
Sites visited may vary depending on weather and ice conditions as well as length of cruise, and may include Deception Island, Enterprise Island, Almirante Brown, Hovegaard Island, Vernasky Base, Duchaylard Island, Booth Island, Port Charcot, and Melchoir Islands.

- *M/V Star Princess*
Princess Cruises
Two cruises, maximum off 3,100 passengers, 1,060 staff and crew
January 10, 2008, to January 26, 2008
February 19, 2008, to March 6, 2008

Sites visited may vary depending on weather and ice conditions as well as length of cruise, and may include scenic cruising at Elephant Island, in the Bransfield Strait, the Antarctic Sound, Hope Bay, Gerlache Strait, Neumayer Channel, Paradise Harbour, and Deception Island.

- *Pelagic Australis*
Oceans 8/National Geographic
One cruise, maximum of 12 passengers, 2 crew
December 31, 2007, to January 30, 2008

Sites visited may vary depending on weather and ice conditions as well as length of cruise, and may include King George Island, Teniente March Station, Bernardo O’Higgins Base, Hope Bay, Duse Bay, James Ross Island, Vega Island, Cockburn Island, and Snow Hill Island.

SECTION 6	OTHER ANTARCTIC ACTIVITIES
○ <i>M/V Marco Polo</i>	Five cruises, maximum of 850 passengers, 360 staff and crew
Orient Lines	<p>December 13, 2007, to December 27 December 28, 2007, to January 4, 2008 January 5, 2008, to January 12, 2008 January 13, 2008, to January 20 2008 January 21, 2008, to February 5, 2008</p> <p>Sites visited may vary depending on weather and ice conditions as well as length of cruise, and may include Deception Island, Cuverville Island, Port Lockroy, Jougla Point, Lemaire Channel, Paradise Harbor, and Half Moon Island</p>
○ <i>M/S National Geographic Endeavour</i> Lindblad Expeditions	<p>Ten cruises, A maximum of 138 passengers, 77 staff and crew</p> <p>November 9, 2007, to November 20, 2007 November 20, 2007, to December 1, 2007 December 1, 2007, to December 12, 2007 December 12, 2007, to December 23, 2007 December 23, 2007, to January 3, 2008 January 3, 2008, to January 14, 2008 January 14, 2008, to January 25, 2008 January 25, 2008, to February 5, 2008 February 5, 2008, to February 16, 2008 February 16, 2008, to March 8, 2008</p> <p>Sites visited may vary depending on weather and ice conditions as well as length of cruise, and may include Aitcho-Barrientos Island, Baily Head, Berthelot Islands, Bald Head, Booth Island, Brown Bluff, Cuverville Island, Danger Islands, Detaille Island, Devil Island, Enterprise Island, Esperanza Station, Fish Islands, Gourdiere Island, Jougla Point, Melchior Islands, Neko Harbor, Palmer Station, Paulet Island, Pendulum Cove, Petermann Island, Pléneau Island, Point Wild, Sandefjord Bay, Snowhill – Nordenskjolds Hut, Vernadsky Station, Whalers Bay, Yankee Harbor, and Yalour Islands.</p>
○ Private Yacht “ <i>Australis</i> ”	<p>Drop off two Kayakers January 16, 2008, to February 16, 2008</p> <p>Traveling aboard the Australian-registered private yacht “<i>Australis</i>,” Timothy James (Jim) Osse and Lisa Allen Osse will be dropped off with kayaks at or near Enterprise Island on January 20, 2008, and visit Port Lockroy, LeMaire Channel, Grandidier Channel, and -- weather and ice</p>

SECTION 6	OTHER ANTARCTIC ACTIVITIES
	<p>conditions permitting – paddle as far south as Darbel Bay and Kidd Isalnds</p>
<ul style="list-style-type: none"> ○ <i>M/V Insignia</i> <p>Oceania Cruises</p>	<p>One cruise, maximum of 1150 passengers, 375 staff and crew</p> <p>December 21, 2007, to January 10, 2008</p> <p>Sites visited may vary depending on weather and ice conditions as well as length of cruise, and may include Deception Island, Paradise Bay, and Half Moon Island.</p>
<ul style="list-style-type: none"> ○ <i>M/S Rotterdam</i> <p>Holland America Line</p>	<p>Three cruises, maximum of 1,316 passengers, 597 staff and crew</p> <p>December 18, 2007, to January 7, 2008 January 7, 2008, to January 27, 2008 January 27, 2008, to February 15, 2008</p> <p>Sites visited may vary depending on weather and ice conditions, and may include Anvers Island, Palmer Station, Cuverville Island, Paradise Bay, Errera Channel, Neumayer Channel, Lemaire Channel, Petermann Island, Half Moon Island, Livingston Island, Hannah Point, Deception Island, Hope Bay, Esperanza Station, Paulet Island, Endurance Glacier, and Elephant Island.</p>
<ul style="list-style-type: none"> ○ <i>M/S Prinsendam</i> <p>Holland America Line</p>	<p>One cruise, maximum of 793 passengers, 466 staff and crew</p> <p>January 3, 2008, to March 11, 2008</p> <p>Sites visited may vary depending on weather and ice conditions, and may include Anvers Island, Palmer Station, Cuverville Island, Paradise Bay, Errera Channel, Neumayer Channel, Lemaire Channel, Petermann Island, Half Moon Island, Livingston Island, Hannah Point, Deception Island, Hope Bay, Esperanza Station, Paulet Island, Endurance Glacier, and Elephant Island.</p>
<ul style="list-style-type: none"> ○ <i>M/S Andrea</i> <p>Elegant Cruises and Tours</p>	<p>Eleven cruises, maximum of 107 passengers, 48 staff and crew</p> <p>November 25, 2007, to December 4, 2007 December 4, 2007, arrive Ushuaia to December 13, 2007 December 13, 2007, to December 22, 2007 December 22, 2007, to December 31, 2007 December 31, 2007, to January 9, 2008 January 9, 2008, to January 18, 2008 January 18, 2008, to February 5, 2008 February 5, 2008, to February 14, 2008</p>

SECTION 6	OTHER ANTARCTIC ACTIVITIES
	<p>February 14, 2008, to February 23, 2008 February 23, 2008, to March 3, 2008 March 3, 2008, to March 12, 2008</p>
	<p>Sites visited may vary depending on weather and ice conditions as well as length of cruise, and may include Aitcho-Barrientos Island, Cuverville Island, Neko Harbor, Petermann Island, Jougla Point, Whalers Bay, Pendulum Cove, Goudier Island, Hannah Point, Paulet Island, Penguin Island, Pleneau Island, Half Moon Island, Yankee Harbor, Brown Bluff, Danco Island, Lemaire Channel, Damoy Point, Dorian Bay, Telefon Bay, Devil Island, Paradise Bay, Crystal Sound, Fish Islands, Argentine Islands, Wordie Hut, and Wilhelmina Bay.</p>
<ul style="list-style-type: none"> ○ <i>M/S Clipper</i> <p>Clipper Cruise Line</p>	<p>Three cruises, maximum of 122 passengers, 80 staff and crew December 4, 2007, to December 18, 2007 December 18, 2007, to January 5, 2008 January 22, 2008, to February 2, 2008</p>
	<p>Sites visited may vary depending on weather and ice conditions as well as length of cruise, and may include Baily Head, Whalers Bay, Hannah Point, Pendulum Cove, Cuverville Island, Pleneau Island, Neko Harbor, Almirante Brown, Lemaire Channel, Enterprise Island, Deception Island, Elephant Island, Petermann Island, Half Moon Island, Paulet Island, Vernadsky Station, Seymour Island, Snow Hill Island, Jougla Point, Devil Island, Gourdin Island, Brown Bluff, and Point Wild.</p>
<ul style="list-style-type: none"> ○ <i>M/V Discovery</i> <p>Discovery World Cruises</p>	<p>Six cruises, maximum of 650 passengers, 317 staff and crew November 29, 2007, to December 14, 2007 December 14, 2007, to December 24, 2007 December 24, 2007, to January 7, 2008 January 7, 2008, to January 17, 2008 January 17, 2008, to January 31, 2008 January 31, 2008, to February 10, 2008</p>
	<p>Sites visited may vary depending on weather and ice conditions as well as length of cruise, and may include Elephant Island, Cape Lookout, Coronation Island, Half Moon Island, Lemaire Channel, Hope Bay, Waterboat Point, King George Island, Deception Island, Arctowski Station, and Point Wild.</p>
<ul style="list-style-type: none"> ○ <i>M/V Azamara Journey</i> <p>Celebrity Cruises</p>	<p>Two cruises, maximum of 710 passengers, 410 staff and crew January 10, 2008, to February 9, 2008</p>

SECTION 6	OTHER ANTARCTIC ACTIVITIES
	February 9, 2008, to February 27, 2008
	Sites visited may vary depending on weather and ice conditions as well as length of cruise, and may include scenic cruising to Elephant Island, Deception Island, and Melchior Islands.
○ <i>M/V Polar Star</i> Cheesemeans' Ecology Safaris	One cruise, maximum of 100 passengers, 54 staff and crew December 30, 2007, to January 24, 2008
	Sites visited may vary depending on weather and ice conditions as well as length of cruise, and may include the South Orkney Islands, Antarctic Peninsula, Paulet Island, Brown Bluff, Deception Island, Cuverville Island, Vernadsky Station, Petermann Island, Paradise Harbour, Niko Harbour, Hannah Point, and Livingston Island.
○ <i>I/B Kapitan Khlebnikov</i> Quark Expeditions	Four cruises, maximum of 108 passengers, 80 staff and crew October 26, 2007, to November 7, 2007 November 7, 2007, to November 19, 2007 November 19, 2007, December 1, 2007 December 1, 2007, to January 7, 2008
	Sites visited may vary depending on weather and ice conditions as well as length of cruise, and may include Aitcho Islands, Hannah Point, Whalers Bay, Cuverville Island, Paradise Harbor, Port Lockroy, Petermann Island, Vernadsky Station, Pléneau Island, Bellingshausen Station (Marathon), Frei Station (Marathon); Snow Hill, Ciereva Cove, Gerlache, Neko Harbor, Orne, Melchior Islands, Paulet Island, Brown Bluff, Penguin Island, Circle, Detali, Goudier & Jougla, Half Moon Island, Hope Bay, Pendulum Cove, Danco Coast, Zavadovsky, Thule, Lemaire Channel, Almirante & Skontrop, Walker Cove, Wilhelmina Bay, Mikkelsen Harbor, South Orkney Islands, Point Wild, Cape Norvegia, Devil Island, Syowa Station, Proclamation Island, Kloa Point, Mawson, Auster, Scullin, Murray, Fram Bank, Amery Shelf, Zongshan, Larsemann, Davis, Prudz Bay, Pack Ice Edge, Neumayer Station, Atka Bay, Rothera Station,, Stonington, Fish Islands, and Gullet.
○ <i>M/V Lyubov Orlova</i> Quark Expeditions	Four cruises, maximum of 110 passengers, 74 staff and crew November 11, 2007, to November 21 November 21, 2007, to December 1, 2007 December 1, 2007, to December 11, 2007 December 11, 2007, to December 20, 2007 December 20, 2007, to December 29, 2007 December 29, 2007, to January 7, 2008

SECTION 6

OTHER ANTARCTIC ACTIVITIES

January 7, 2008, to January 16, 2008
January 16, 2008, to February 3, 2008
February 3, 2008, to February 12, 2008
February 12, 2008, to February 21, 2008
February 21, 2008, to March 2, 2008
March 2, 2008, arrive Ushuaia, to March 12, 2008

Sites visited may vary depending on weather and ice conditions as well as length of cruise, and may include Aitcho Islands, Hannah Point, Whalers Bay, Cuverville Island, Paradise Harbor, Port Lockroy, Petermann Island, Vernadsky Station, Pléneau Island, Bellingshausen Station (Marathon), Frei Station (Marathon); Snow Hill, Ciereva Cove, Gerlache, Neko Harbor, Orne, Melchior Islands, Paulet Island, Brown Bluff, Penguin Island, Circle, Detali, Goudier & Jougla, Half Moon Island, Hope Bay, Pendulum Cove, Danco Coast, Zavadovsky, Thule, Lemaire Channel, Almirante & Skontrop, Walker Cove, Wilhelmina Bay, Mikkelsen Harbor, South Orkney Islands, Point Wild, Cape Norvegia, Devil Island, Syowa Station, Proclamation Island, Kloa Point, Mawson, Auster, Scullin, Murray, Fram Bank, Amery Shelf, Zongshan, Larsemann, Davis, Prudz Bay, Pack Ice Edge, Neumayer Station, Atka Bay, Rothera Station,, Stonington, Fish Islands, and Gullet.

- *M/V Professor Multanovskiy*
- Quark Expeditions

- Four cruises, maximum of 49 passengers, 31 staff and crew
November 3, 2007, to November 19, 2007
November 19, 2007, to December 7, 2007
December 7, 2007, to December 17, 2007
December 17, 2007, to December 27, 2007
December 27, 2007, to January 9, 2008
January 9, 2008, to January 22, 2008
January 22, 2008, to February 4, 2008
February 4, 2008, to February 22, 2008
February 22, 2008, to March 11, 2008

Sites visited may vary depending on weather and ice conditions as well as length of cruise, and may include Aitcho Islands, Hannah Point, Whalers Bay, Cuverville Island, Paradise Harbor, Port Lockroy, Petermann Island, Vernadsky Station, Pléneau Island, Bellingshausen Station (Marathon), Frei Station (Marathon); Snow Hill, Ciereva Cove, Gerlache, Neko Harbor, Orne, Melchior Islands, Paulet Island, Brown Bluff, Penguin Island, Circle, Detali, Goudier & Jougla, Half Moon Island, Hope Bay, Pendulum Cove, Danco Coast, Zavadovsky, Thule, Lemaire Channel, Almirante & Skontrop, Walker Cove, Wilhelmina Bay, Mikkelsen Harbor, South Orkney Islands, Point Wild, Cape Norvegia, Devil Island, Syowa Station, Proclamation

SECTION 6**OTHER ANTARCTIC ACTIVITIES**

Island, Kloa Point, Mawson, Auster, Scullin, Murray, Fram Bank, Amery Shelf, Zongshan, Larsemann, Davis, Prudz Bay, Pack Ice Edge, Neumayer Station, Atka Bay, Rothera Station,, Stonington, Fish Islands, and Gullet.

○ *M/V Akademik Shokalskiy*
Quark Expeditions

Four cruises, maximum of 49 passengers, 31 staff and crew
November 5, 2007, to November 23, 2007
November 23, 2007, to December 3, 2007
December 3, 2007, to December 21, 2007
December 21, 2007, to December 31, 2007
December 31, 2007, to January 10, 2008
January 10, 2008, to January 20, 2008
January 20, 2008, to February 7, 2008
February 7, 2008, to February 17, 2008
February 17, 2008, to February 26, 2008
February 26, 2008, to March 8, 2008

Sites visited may vary depending on weather and ice conditions as well as length of cruise, and may include Aitcho Islands, Hannah Point, Whalers Bay, Cuverville Island, Paradise Harbor, Port Lockroy, Petermann Island, Vernadsky Station, Pléneau Island, Bellingshausen Station (Marathon), Frei Station (Marathon); Snow Hill, Ciereva Cove, Gerlache, Neko Harbor, Orne, Melchior Islands, Paulet Island, Brown Bluff, Penguin Island, Circle, Detali, Goudier & Jougla, Half Moon Island, Hope Bay, Pendulum Cove, Danco Coast, Zavadovsky, Thule, Lemaire Channel, Almirante & Skontrop, Walker Cove, Wilhelmina Bay, Mikkelsen Harbor, South Orkney Islands, Point Wild, Cape Norvegia, Devil Island, Syowa Station, Proclamation Island, Kloa Point, Mawson, Auster, Scullin, Murray, Fram Bank, Amery Shelf, Zongshan, Larsemann, Davis, Prudz Bay, Pack Ice Edge, Neumayer Station, Atka Bay, Rothera Station,, Stonington, Fish Islands, and Gullet.

○ *M/V Ocean Nova*
Quark Expeditions

Four cruises, maximum of 82 passengers, 41 staff and crew
November 8, 2007, to November 18, 2007
November 18, 2007, to November 28, 2007
November 28, 2007, to December 8, 2007
December 8, 2007, to December 26, 2007
December 26, 2007, to January 5, 2008
January 5, 2008, to January 15, 2008
January 15, 2008, to February 2, 2008
February 2, 2008, to February 12, 2008
February 12, 2008, to March 1, 2008
March 1, 2008, to March 11, 2008

Sites visited may vary depending on weather and ice conditions as well as length of cruise, and may include

<p>SECTION 6</p>	<p>OTHER ANTARCTIC ACTIVITIES</p> <p>Aitcho Islands, Hannah Point, Whalers Bay, Cuverville Island, Paradise Harbor, Port Lockroy, Petermann Island, Vernadsky Station, Pléneau Island, Bellingshausen Station (Marathon), Frei Station (Marathon); Snow Hill, Ciereva Cove, Gerlache, Neko Harbor, Orne, Melchior Islands, Paulet Island, Brown Bluff, Penguin Island, Circle, Detali, Goudier & Jougla, Half Moon Island, Hope Bay, Pendulum Cove, Danco Coast, Zavadovsky, Thule, Lemaire Channel, Almirante & Skontrop, Walker Cove, Wilhelmina Bay, Mikkelsen Harbor, South Orkney Islands, Point Wild, Cape Norvegia, Devil Island, Syowa Station, Proclamation Island, Kloa Point, Mawson, Auster, Scullin, Murray, Fram Bank, Amery Shelf, Zongshan, Larsemann, Davis, Prudz Bay, Pack Ice Edge, Neumayer Station, Atka Bay, Rothera Station,, Stonington, Fish Islands, and Gullet.</p> <p>○ <i>M/V Clipper Adventurer</i> Quark Expeditions</p> <p>Four cruises, maximum of 82 passengers, 41 staff and crew February 2, 2008, to February 20, 2008 February 20, 2008, to March 1, 2008</p> <p>Sites visited may vary depending on weather and ice conditions as well as length of cruise, and may include Aitcho Islands, Hannah Point, Whalers Bay, Cuverville Island, Paradise Harbor, Port Lockroy, Petermann Island, Vernadsky Station, Pléneau Island, Bellingshausen Station (Marathon), Frei Station (Marathon); Snow Hill, Ciereva Cove, Gerlache, Neko Harbor, Orne, Melchior Islands, Paulet Island, Brown Bluff, Penguin Island, Circle, Detali, Goudier & Jougla, Half Moon Island, Hope Bay, Pendulum Cove, Danco Coast, Zavadovsky, Thule, Lemaire Channel, Almirante & Skontrop, Walker Cove, Wilhelmina Bay, Mikkelsen Harbor, South Orkney Islands, Point Wild, Cape Norvegia, Devil Island, Syowa Station, Proclamation Island, Kloa Point, Mawson, Auster, Scullin, Murray, Fram Bank, Amery Shelf, Zongshan, Larsemann, Davis, Prudz Bay, Pack Ice Edge, Neumayer Station, Atka Bay, Rothera Station,, Stonington, Fish Islands, and Gullet.</p>
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SECTION 7	<p>EMERGENCY CONTACTS</p> <p>National Operator: National Science Foundation United States Antarctic Program (USAP) 4201 Wilson Boulevard Arlington, Virginia 22230 USA</p> <p style="text-align: right;">Telephone +01-703-292-8030 Facsimile +01-703-292-9081</p>																																												
	<p>Emergency Contacts</p> <p><i>Karl Erb</i> Office Telephone +01-703-292-8030 E-mail Address kerb@nsf.gov</p> <p><i>Erick Chiang</i> Office Telephone +01-703-292-8032 E-mail Address echiang@nsf.gov</p> <p>Operations duty officer (24 hr) Telephone +01-703-819-0283</p>																																												
	<p>STATIONS</p> <table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Commercial Telephone</th> <th style="text-align: left;">Facsimile</th> <th style="text-align: left;">E-mail</th> </tr> </thead> <tbody> <tr> <td>McMurdo</td> <td></td> <td></td> <td></td> </tr> <tr> <td>(summer)</td> <td>+01-720-568-1010</td> <td>+01-720-568-1092</td> <td>mcm.nsfrep@usap.gov</td> </tr> <tr> <td>(winter)</td> <td>+01-720-568-1012</td> <td>+01-720-568-1092</td> <td>mcm.nsfstmgr@usap.gov</td> </tr> <tr> <td>(24hr/365)</td> <td>+01-720-568-1000</td> <td></td> <td></td> </tr> <tr> <td>Palmer</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>+01-720-568-2775/6</td> <td>+01-720-568-7868</td> <td>pal.manager@usap.gov</td> </tr> <tr> <td>Amundson-Scott</td> <td></td> <td></td> <td></td> </tr> <tr> <td>South Pole</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>+01-720-568-2803</td> <td></td> <td>pol.nsfrep@usap.gov</td> </tr> <tr> <td></td> <td>+881 676 312 608 (Iridium)</td> <td></td> <td></td> </tr> </tbody> </table>	Name	Commercial Telephone	Facsimile	E-mail	McMurdo				(summer)	+01-720-568-1010	+01-720-568-1092	mcm.nsfrep@usap.gov	(winter)	+01-720-568-1012	+01-720-568-1092	mcm.nsfstmgr@usap.gov	(24hr/365)	+01-720-568-1000			Palmer					+01-720-568-2775/6	+01-720-568-7868	pal.manager@usap.gov	Amundson-Scott				South Pole					+01-720-568-2803		pol.nsfrep@usap.gov		+881 676 312 608 (Iridium)		
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	+881 676 312 608 (Iridium)																																												

SECTION 7
(continued)

SHIPS

Name	Inmarsat Telephone	Facsimile	E-mail
<i>Nathaniel B. Palmer</i>	xxx-764-716-773 Iridium 1-808-659-5076	xxx-764-717-774	mpc@nbp.usap.gov
<i>Laurence M. Gould</i>	xxx-761-154-122 Iridium 1-808-659-5074	xxx-761-154-125	mpc@lmg.usap.gov
<i>Polar Sea</i>	xxx-336-787-820 808-659-9427 (Iridium)	postmasterpolarsea@polarsea.uscg.mil	
<i>Oden</i>			bfh.oden@seapartner.com

NOTES:

1. INMARSAT Area Codes xxx: Atlantic Ocean - 871 (East)/874 (West)
Pacific Ocean - 872; Indian Ocean - 873
Single Number Access Code (SNAC) - 800

Information on Air Operations (Section 2)

INFORMATION ON PLANNED AIR OPERATIONS IN ANTARCTICA FOR 2007/08 SEASON

CONTACT INFORMATION - AIR OPERATIONS

Part A

Country	Operations/Logistics Contact Officers	Position	Office Telephone/Fax E-mail
Address for correspondence National Science Foundation Office of Polar Programs Room 755 4201 Wilson Boulevard Arlington, Virginia 22230 USA	Karl Erb	Director, Office of Polar Programs	Tel: +01-703-292-8030 Fax: +01-703-292-9081
	Erick Chiang	Division Director, Antarctic Infrastructure and Logistics Division	Tel: +01-703-292-8032 Fax: +01-703-292-9080

Part B

•	Please tick [<input type="checkbox"/>] appropriate box	
<input type="checkbox"/>	No, it is not intended to conduct air operations in Antarctica during the forthcoming summer season.	
<input checked="" type="checkbox"/>	Yes, it is intended to conduct air operations in Antarctica during the forthcoming summer season for which the following information sheets are attached:	
		(*delete as appropriate)
Sheet 1	Intercontinental Operations	Yes
Sheet 2	Continental Operations	Yes
Sheet 3	Ship Based Operations	Yes
Sheet 4	Other Airborne Operations (Balloons)	Yes
Sheet 5	Aircraft Description	Yes

Part C

	Station	Lat/Long	INMARSAT Nos
Primary Air Information Stations 2007/08 SEASON	McMurdo Station	77.85S 166.67E	None. Station is accessible via regular telephone at 01-720-568-1000.
	Siple Dome Camp	81.66S 149.02 W	Accessed via McMurdo Station telephone patch
	WAIS Divide Camp	79.47S 112.08W	Accessed via McMurdo Station telephone patch
	South Pole Station	90.0 S 139.27E	Accessed via McMurdo Station telephone patch
Secondary Air Information Stations	AGAP South	84.50S 77.35E	Accessed via McMurdo Station telephone patch
	AGO 1	83.86S 129.59E	Accessed via McMurdo Station telephone patch
	Patriot Hills	80.27S 81.37W	Accessed via McMurdo Station telephone patch
	Shackleton Glacier	85.09S 175.38W	Accessed via McMurdo Station telephone patch

2007/08 SEASON

PART 1 INTER-CONTINENTAL FLIGHTS

Route	No. of Flights	Flight Level or Altitude (ft/m)	Approximate Date or Period of Flight(s)	No. and Type of Aircraft per Flight
Christchurch-McMurdo-Christchurch	54	Up to 45,000/13720	2 Oct'07– 23 Feb'08 17 April '08	One C-17
Christchurch-McMurdo-Christchurch	44*	Up to 29,000/8841	22 Oct'07 – 19 Feb 08**	Six to Seven LC-130s
Christchurch-McMurdo-Christchurch	4	Up to 29,000/8841	8 Oct – 19 Oct '07	C-130H (wheeled) RNZAF

*Approximately 3 flights per week

**Exclusive of 22-28 Dec 07

Note: Intercontinental flights are shared with the Italian and New Zealand Antarctic programs. See their submissions for flight data pertaining to their aircraft.

PART 2 INTRA-CONTINENTAL FLIGHTS 2007/2008 Season

Route	No. of Flights	Flight Level or Altitude (ft/m)	Approx. Period for Flight(s)	No. and Type of Aircraft
McMurdo Station to: AGAP South Location: 84.50S 77.35E Elevation: 11,700 feet Distance from McM: 805 nm	9	20,000 – 25,000ft/7622	04 DEC to 22 DEC	Any of 6 LC-130 and/or 2 Twin Otters
McMurdo Station to: AGO 1 Location: 83.86S 129.59E Elevation: 9350 feet Distance from McM: 487 nm	3	20,000 – 25,000ft/7622	01 DEC to 10 DEC	Any of 6 LC-130, 2 Twin Otters, and/or 1 Basler
McMurdo Station to: Beardmore Glacier Location: 84.00S	2	20,000 – 25,000ft/7622	05 DEC to 10 DEC	Any of 6 LC-130, 2 Twin Otters, and/or 1 Basler

Route	No. of Flight	Flight Level or Altitude (ft/m)	Approx. Period for Flight(s)	No. and Type of Aircraft
164.50E Elevation: 5900 feet Distance from McM: 369 nm				
McMurdo Station to: Byrd Camp Location: 80.01S 1190.61W Elevation: 5230 feet Distance from McM: 800 feet	3	20,000 – 25,000ft/7622	01 JAN to 20 JAN	Any of 6 LC-130, 2 Twin Otters, and/or 1 Basler
McMurdo Station to: Long Duration Balloon (LDB) payload drop point Location: not yet known Elevation: not yet known Distance from McM: not yet known	3	20,000 – 25,000ft/7622	30 DEC to 15 JAN	Any of 6 LC-130, 2 Twin Otters, and/or 1 Basler
McMurdo Station to: Patriot Hills Location: 80.27S 81.37W Elevation: 3300 feet Distance from McM: 1089 nm	7	20,000 – 25,000ft/7622	20 DEC to 26 JAN	Any of 6 LC-130, 2 Twin Otters, and/or 1 Basler
McMurdo Station to: Shackleton Glacier Location: 85.08S 175.33W Elevation: 4245 Distance from McM: 457 nm	5	20,000 – 25,000ft/7622	14 NOV to 14 DEC	Any of 6 LC-130, 2 Twin Otters, and/or 1 Basler
McMurdo Station to: Siple Dome Location: 81.65S 149.02W Elevation: 2145 feet	8	20,000 – 25,000ft/7622	1 NOV to 26 JAN	Any of 6 LC-130, 2 Twin Otters, and/or 1 Basler

Route	No. of Flights	Flight Level or Altitude (ft/m)	Approx. Period for Flight(s)	No. and Type of Aircraft
Distance from McM: 507 nm				
In/Around McMurdo station (Local helicopter operations) Fm. McM: 1 – 150mi radius	350-400	500 – 10,000ft / 3048	6 Oct,07 – 15 April, 08	two AS-350B Helicopters two Bell 212 Helicopters

HELICOPTER OPERATIONS
Sites in/around McMurdo Station
2007/08 SEASON {8 October 2007 – 17 April 2008}

Site	Latitude (South)	
ANDRILL - McMurdo Ice Shelf	-77.89	167.08
ANDRILL MIS Drill Site	-77.84	166.67
Arena Valley	-77.85963333	160.94365
Asgard Range	-77.64061667	161.6264833
Beacon Valley	-77.804	160.7100833
Beaufort Is (ASPA 105)	-76.92511667	166.9357667
Bent Stream	-77.644279	162.979394
Big Razorback Is	-77.68083333	166.5035167
Black Is	-78.12743333	166.14995
Bonney Riegel	-77.72716667	162.31475
Bratina Is	-78.01145	165.5501833
Brimstone Pk	-75.80111667	158.4719
Bull Pass	-77.51773333	161.8547
Bull Pass 1	-77.625	161.667
Bull Pass 2	-77.425	161.7
Bull Pass 3	-77.375	161.917
Canada Gl (ASPA 131)	-77.62698333	162.97425
Catspaw Gl	-77.69455	161.5975167
Commonwealth Gl	-77.57501667	163.0077667
Commonwealth Stream	-77.56381	163.44658
Cones (Mt Erebus)	-77.5346	167.0855
Cp Bird (ASPA 116)	-77.2205	166.4283833
Cp Chocolate	-77.90116667	164.5027833
Cp Crozier (ASPA 124)	-77.5165	169.0950333
Cp Evans (ASPA 155)	-77.63833333	166.4073333
Cp Lankester	-79.2548166666667	160.5395333333333
Cp Reynolds	-75.4690	162.4533
Cp Roberts	-77.03421667	163.1706667
Cp Royds (ASPA 121)	-77.53166667	166.23555
Cp Spencer	-77.96705	167.535
Darwin Gl Camp	-79.785	157.8833333

Site	Latitude (South)	Longitude (East)
Don Juan Pond	-77.56463333	161.1786
DVDP-11, Taylor Valley	-77.05139	163.41752
Explorers Cove	-77.578	163.5211667
F6	-77.60848333	163.2549667
Fang GI	-77.46156667	167.27165
Ferrell	-77.92353333333334	170.818016666667
Fishtail Pt	-78.92726667	162.5643833
Garwood Valley	-78.02671667	164.2947
Granite Harbor	-77.01141667	162.8562
Herbie Alley	-78.09066667	166.6836833
High Delta Stream	-77.641777	163.12419
Hjorth Hill	-77.51611667	163.62045
Hobbs GI	-77.90116667	164.5027833
Howard GI	-77.67123333	163.0764833
Hughes GI	-77.73566667	162.4639333
Hutton Cliffs	-77.7330	166.8500
IceRunway	-77.84658333	166.4088333
Inland WAIS B	-79.26666667	-111.6666667
Koettlitz GI	-78.34581667	163.4526
Kukri Hills	-77.8333	161.7333
Labyrinth	-77.52958333	160.9236
Laurie II	-77.549	170.817
Lewis Bay (ASPA 156)	-77.4425	167.5575
Lk Bonney	-77.72461667	162.3151667
Lk Brownworth	-77.43363333	162.7055833
Lk Fryxell	-77.6063	163.1237833
Lk Hoare	-77.62376667	162.90525
Lk Miers	-78.09566667	163.7862833
Lk Vanda	-77.52706667	161.6755167
Lk Vida	-77.37733333	161.7926833
Low Erebus Hut	-77.5105	167.1481833
Low Miers Valley	-78.09871667	163.7965167
Marble Pt	-77.41366667	163.6792167
Marshall Valley	-78.06666667	164.1666667
McKelvey Valley	-77.28590	160.55558
McMurdo Station	-77.84935	166.6708833
Miers Valley	-78.09871667	163.7965167
Minna Bluff	-78.554	166.691
Mt Aurora	-78.2326	166.3685333
Mt Bird	-77.25745	166.8591
Mt Coates	-77.78596667	161.9704167
Mt Discovery	-78.36666667	165.0166667
Mt Erebus	-77.52545	167.1372667
Mt Feather	-77.93141667	160.4439333

Site	Latitude (South)	Longitude (East)
Mt Fleming	-77.53336667	160.2727
Mt Friis AWS	-77.747	161.516
Mt Morning	-78.51198333	163.5663833
Mt Newall	-77.50491667	162.6220667
Mt Terror	-77.51326667	168.5712667
Mt Voslips	-77.6886	162.9815167
Mt. Friis	-77.74738	161.5162587
New Harbor	-77.578	163.5211667
Nussbaum Riegel	-77.6752166666667	162.756433333333
Odell Gl	-76.6300	160.0500
Olympus Range	-77.48095	161.2429833
Pegasus South (AWS)	-77.99	166.576
Site	Latitude (South)	Longitude (East)
Pk 1882	-77.6545	162.5430833
Rhone Gl	-77.70318333	162.1236833
Round Mountain	-77.66666667	160.9166667
Ross Ice Shelf	-78.5000	172.0000
Salmon Marble	-77.467	161.617
Scott Base	-77.84888333	166.7718667
Stonehenge (McMurdo Sea Ice)	-77.50	165.20
Taylor Gl	-77.7404	162.1303667
Taylor Valley	-77.67123333	163.0764833
Terra Nova Bay	-74.6936	164.1117333
The Pyramid	-78.34581667	163.4526
Truncated Cones	-77.53475	167.0850833
Up Wright Valley	-77.44566667	162.5303333
Victoria Valley	-77.3301	162.5326
Victoria Valley 1	-77.271	161.625
Victoria Valley 2	-77.288	161.673
Victoria Valley 3	-77.308	161.700
Victoria Valley 4	-77.313	161.768
Victoria Valley 5	-77.317	161.828
Victoria Valley 6	-77.346	162.033
Von Guerard Str Upper	-77.634559	163.305286
Wales HiDelta	-77.59556	163.51417
Westhaven Nun	-79.85	154.2333333
White Is	-78.18971667	167.49615
Wright Valley	-77.5528	161.3072667
Wright Valley 1	-77.625	162.5
Wright Valley 2	-77.625	162.25
Wright Valley 3	-77.625	162.25

TWIN OTTER/BASLER OPERATIONS
Sites in/around McMurdo Station
2007/08 SEASON

Site	Latitude	Longitude
AGAP South	84.50S	77.35E
AGO1	83.86S	129.59E
AGO2	85.67S	45.62W
AGO3	82.76S	28.59E
AGO4	82.00S	96.78E
AGO5	77.25S	123.50E
AGO6	69.51S	129.99E
BAS MATRIX	75.40S	95.87W
BAS MATRIX East	75.45S	93.72W
Beardmore Glacier	84.00S	164.50E
Beaufort Island	76.93S	166.94E
Brianna	83.89S	134.15W
Byrd Camp	80.01S	119.61W
Cape Archer	76.85S	162.81E
Cape Hallett	72.32S	170.21E
Cape Lankester	79.25S	160.36E
Cape Reynolds	75.47S	162.45E
Cape Roberts	77.03S	163.17E
Cape Selbourne	80.43S	160.62E
Cape Washington	74.65S	165.42E
Carolyn	79.97S	175.85E
Cox's Peak	86.50S	153.50W
Darwin Glacier	79.79S	157.88E
Deverall Island	81.48S	161.98E
Dome A	80.37S	77.37E
Dome C	75.10S	123.40E
Dufek Massiv	82.60S	52.50W
Elaine	83.13S	174.17E
Elizabeth	82.60S	137.84W
Emelia	78.50S	173.12E
Erin	84.90S	128.83W
Ford Range	77.22S	142.74W
Fosdick Mountains	76.58S	145.39W
Franklin Island	76.08S	168.32E
Gill	79.99S	178.69W
GM01 (AGAP)	84.00S	104.55E
GM02 (AGAP)	79.43S	97.54E
GM03 (AGAP)	80.89S	86.28E
Grosvenor Mountains	85.50S	174.00E
Haag Nunatak	77.00S	281.70E
Harry	83.00S	121.39W
Henry	89.01S	1.02W

Site	Latitude	Longitude
Horlick Mountains	85.38S	121.00W
Howard Nunatak	77.53S	273.23E
Inland Kamb Ice Stream	81.95S	135.00W
Ice Stream B	84.20S	152.00W
ISA grounding line	85.26S	150.31W
ISB1 grounding line	84.50S	162.40W
ISB2 grounding line	83.58S	164.44W
ISC grounding line	82.83S	156.38W
ITASE Winterover Site	80.31S	144.69E
Karo Hills	85.50S	154.70W
La Gorce Mountains	86.65S	148.00W
Larkman Nunatak	85.77S	179.00E
Layman Peak	84.83S	179.50E
Lettau	82.52S	174.45W
Lonewolf Nunatak	81.35S	152.73E
Marilyn	79.95S	165.13E
Mario Zucchelli Station	74.69S	164.12E
McMurdo Station	77.85S	166.67E
Megadunes	80.78S	124.50E
Mercer Ice Stream	84.96S	153.22W
Merrik Mountains	75.33S	287.50E
Midpoint C	75.54S	145.82E
Miller Range	83.30S	155.70E
Mt Cecily	85.87S	174.25W
Mt Durham	85.56S	208.80E
Mt Hope	83.52S	171.27W
Mt Howe	87.37S	210.50E
Mt Paterson	78.02S	204.97E
Mt Takahe	76.15S	112.37W
Nascent Glacier	78.13S	178.73W
Nico	89.00S	90.04E
North Graves Icefield	86.50S	140.35W
N124 (AGAP)	82.07S	107.64E
N148 (AGAP)	81.87S	91.56E
N173 (AGAP)	81.09S	77.35E
N198 (AGAP)	79.88S	65.98E
Odell Glacier	76.66S	159.95E
Otway Massif	85.45S	172.00E
Patriot Hills	80.27S	81.37W
Pecora Escarpment	85.63S	291.30E
PIG Shelf	75.20S	100.00W
Pine Island Glacier	77.57S	95.93W
P061 (AGAP)	84.50S	77..35E
P080 (AGAP)	82.79S	77..35E
Reedy Glacier	85.63S	132.02W
Rockefeller Mountains	78.29S	155.22W

Site	Latitude	Longitude
Roosevelt Island	79.35S	160.32W
Rothera	67.57S	68.13W
Round Mountain	77.67S	160.92E
Scott Glacier Icefield	87.02S	148.47W
Seismic Center	80.25S	140.63E
Shackelton Glacier	85.08S	175.33W
Shackelton Range	80.80S	25.40W
Shackelton Icefalls	85.13S	164.00E
Siple Dome	81.66S	149.02W
Sky Blu	74.85S	288.43E
South Graves Icefield	87.14S	138.82W
South Pole Station	90.00S	139.27E
SW Pecora Icefields	85.85S	71.40W
Swithinbank	81.20S	126.18W
Tamseis Camp	81.65S	122.59E
Taylor Dome	77.79S	158.79E
Taylor Ridge	85.67S	153.75W
The Pyramid	78.33S	163.45E
Theresa	84.60S	115.81W
Thwaites Glacier	75.50S	107.00W
Turret Nunatak	82.42S	158.00E
Urbanek Peak	84.63S	248.08E
Up-Kamb Ice Stream	82.43S	135.80W
Upper Marsh Icefield	84.20S	157.35E
Vostok	78.47S	106.82E
WAIS Divide	79.47S	112.08W
WGN	77.13S	115.21W
Whichaway Nunatak	81.55S	331.50E
Wilson Nunatak	80.33S	278.58E

**PART 3 SHIP-BASED OPERATIONS (USCG POLAR SEA)
2007/08 SEASON**

Route	No. of Flights	Flight Level or Altitude (ft/m)	Approximate Date or Period of Flight(s)	No. and Type of Aircraft per Flight
There will be no ship-based air operations during the 2007-08 season.				

**PART 4 OTHER AIRBORNE OPERATIONS (e.g. balloons, rockets, etc.)
2007/08 SEASON**

Route	No. of Flights	Flight Level or Altitude (ft/m)	Approximate Date or Period of Flight(s)	No. and Type of Aircraft per Flight
Possible balloon circumnavigation of the South Pole LDB	7 flights total [5 pathfinders + 3 Data flights]. Three large Data balloon flights (28 million cubic ft.); 5 small pathfinder balloons (181,000 cubic ft.)	130,000 ft.	December 5 through January 25. Large balloons launched ~ mid-Dec; aloft 10-30 days.	1 balloon each flight, polyethylene, zero-pressure balloons

PART 5

AIRCRAFT DESCRIPTION 2007/08 SEASON

Full Name of Aircraft	Short Name	F/R [a]	W/S [b]	No. of Aircraft	Flight Level or Altitude (ft/m) [c]	Pax Capacity	Radio Equipment	Navigation Equipment	Max Range Miles/km	Type of Fuel Used	SAR Equipment
LC-130 Hercules	Herc or LC	F	S	8	Up to 29,000/8841	60	S/U/V/H	INS/GPS/Doppler	2,500/4025	JP-8	Yes
AS350B2	A-Star or Squirrel	R	skids	2	14,000/4,268	5	S/U/V/H	GPS	325/523	JP-5/8	Yes
Bell 212	Huey	R	skids	2	12,000/3,658	9	S/U/V/H	GPS	200[350]/ 322[564] *	JP-5/8	Yes
DHC-6	Twin Otter	F		3	18,000/5,488	18	S/V/H	INS/GPS/Doppler	700/1127	JP-8	Yes
Basler DC-3T	Basler	F	S	1	14,500/4,300	18	S/U/V/H	INS/GPS/Doppler	1100/1771 2478/3989*	JP-8	Yes
C-17	Globemaster III	F	S	1	45,000/13,720	102	S/U/V/H	INS/GPS/Doppler	5000/8050	JP-8	Yes

W

[a] Fixed (F) or rotary (R)

[b] Wheeled (W) or ski (S) Equipped

[c] Refer to Notes under Section 2

[d] For helicopters, also indicate maximum range over water (in brackets)

S=Satellite; U=UHF; V=VHF; H=HF;

- Aux Fuel Tanks