

**Advance Exchange of Operational Information on
Antarctic Activities
for the 2006–2007 season**



United States Antarctic Program

**Office of Polar Programs
National Science Foundation**

Advance Exchange of Operational Information on Antarctic Activities for 2006/2007 Season

Country: UNITED STATES

Date Submitted: October 2006

SECTION 1	SHIP OPERATIONS
	<p data-bbox="500 632 846 661">Commercial charter <i>ODEN</i></p> <p data-bbox="500 667 1187 800">Nov. 2006 Depart Gothenburg, Sweden Dec. 25, 2006 arrive ice edge Assist in breaking channel and escort of <i>TERN</i> and Tanker ~Jan. 25, 2007 Depart 60S in route to Sweden</p> <p data-bbox="500 835 992 865">U.S. Coast Guard Breaker <i>POLAR SEA</i></p> <p data-bbox="500 900 1187 1033">Nov. 2006 Depart Seattle Jan 1, 2007 arrive ice edge Assist in breaking channel and escort of <i>TERN</i> and Tanker ~Feb 15, 2007 Depart 60S in route to Seattle</p> <p data-bbox="500 1068 781 1098"><i>M/V AMERICAN TERN</i></p> <p data-bbox="500 1134 1040 1266">Jan. 25-27, 2007 Port Call Lyttleton, NZ Feb 3, 2007 Arrive Ice edge, McMurdo Sound Feb. 5-12, 2007 At ice pier, McMurdo Sound Feb 13, 2007 Depart McMurdo Feb 20-22, 2007 Port Call Lyttleton, NZ</p> <p data-bbox="500 1302 1398 1371">T-5 Tanker, (One of five possible vessels. Specific name of vessel to be determined)</p> <p data-bbox="500 1407 1154 1493">Jan. 21, 2007 Arrive Ice Edge, McMurdo Sound Jan. 23-26, 2007 At Ice Pier, McMurdo. Re-fuel Station Jan. 27, 2007 Depart McMurdo</p> <p data-bbox="500 1549 846 1579"><i>R/V LAURENCE M. GOULD</i></p> <p data-bbox="500 1614 1317 1677">For detailed and updated schedule, log on to: http://www.polar.org/science/marine/sched_history/lmg/lmgsched.pdf</p> <p data-bbox="500 1713 862 1743"><i>R/V NATHANIEL B. PALMER</i></p> <p data-bbox="500 1778 1317 1841">For detailed and updated schedule, log on to: http://www.polar.org/science/marine/sched_history/nbp/nbpsched.pdf</p>

SECTION 2	AIR OPERATIONS Information on planned air operations (see attached sheets)
SECTION 3	STATIONS a) New stations or refuges not previously notified: NONE b) Stations closed or refuges abandoned and not previously notified: NONE
SECTION 4	LOGISTICS ACTIVITIES AFFECTING OTHER NATIONS a) McMurdo airstrip will be used by Italian and New Zealand C-130s and Italian Twin Otters b) McMurdo Heliport will be used by New Zealand and Italian helicopters c) Extensive air, sea and land logistic cooperative support with New Zealand d) Twin Otters and Basler to pass through Rothera (UK) upon arrival and departure from Antarctica e) Italian Twin Otter will likely pass through South Pole and McMurdo. f) The USAP and Antarctica New Zealand (ANZ) along with the U.K., Italy and Germany will operate the ANDRILL scientific drilling program. g) South Pole will support IceCube, an international collaboration including the US, Germany, and Sweden. h) Swedish icebreaker <i>ODEN</i> will carry a team of U.S., Swedish and Chilean scientists from Punta Arenas to McMurdo.
SECTION 5	MAJOR FIELD ACTIVITIES <ul style="list-style-type: none"> • Field camps: Lake Bonney Camp (77°42'S,162°27'E) Lake Hoare (76°38'S, 162°57'E) Lake Fryxell (77°36'S, 163°07'E) F6 Camp (77°21'S, 163°09'E) New Harbor Camp (77°34'S, 163°31'E) Marble Point Camp (77°25'S, 163°41'S) Black Island Camp (78°08'S,166°09'E) Lower Erebus Hut Camp (77°30'S, 167°10'E) Cape Crozier Camp (77°30'S, 169°40'E) Cape Royds Camp (77°33'S, 166°08'E) 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) Copacabana, King George Island (62°10'S, 58°28'W) Cape Shirreff Field Station, Livingston Island (62°28'S, 60°47'W)

SECTION 6**OTHER ANTARCTIC ACTIVITIES**

(a) Governmental: (grantees, ICDS, RPSC) Persons will work with other contracting parties as follows:

Helen Fricker I-277-E (+2)	Amery Ice Shelf with Australian Antarctic Division
Tony Travouillone A-442-E (+1)	Dome C with Italian Antarctic Program
Robert Blanchette B-038-E (+1)	Peninsula Region with BAS
C. Stearns O-202-M/P (+1)	French IPEV, British BAS Multiple AWS Sites
Joseph Warren B-320-E (+3)	NOAA
Daniel Costa B-232-E (+1)	NOAA at Cape Shirreff, Livingston Island
Kenneth Griffin T-927-M (+8)	NASA
Wayne Trivelpiece B-040-E (+4)	NOAA
William Stepp A-145-M (+24)	NASA
Ron Naveen B-086-E (+4)	Petermann Island transits via M/S Orlova & Polar Star & M/S Endeavour
David Hofmann 0-257-S (+7)	NASA
Robert Kemerait G-078-M (+4)	USAF

(b) Non-governmental:

- *MV Rotterdam*
Holland America Line
2 cruises with approx. 1,000 passengers each
December 2006 to January 2007
Total number: max. 2,000 passengers
(Cruising only, no landings)
<http://www.hollandamerica.com>
- *MV Andrea*
Elegant Cruises and Tours
9 cruises with approx. 80 passengers each
December 2006 to February 2007
Total number: max. 720 passengers
<http://www.elegantcruises.com>
- *MV Clipper Adventurer*
Clipper Cruise Line
6 cruises with approx. 110 passengers each
November 2006 to February 2007
Total number: max. 660 passengers
<http://www.clippercruise.com>
- *MV Crystal Symphony*
Crystal Cruises
1 cruise with approx. 975 passengers
January 2007 to February 2007
Total number: max. 975 passengers
<http://www.crystalcruises.com>
- *MV National Geographic Endeavor*
Lindblad Expeditions
8 cruises with approx. 138 passengers each
November 2006 to March 2007
Total number: max. 1104 passengers
<http://www.expeditions.com>
- *MV Explore II*
Abercrombie & Kent
10 cruises with approx. 175 passengers each
November 2006 to March 2007

	<ul style="list-style-type: none"> ○ <i>MV Kapitan Khlebnikov</i> Quark Expeditions ○ <i>MV Professor Molchanov</i> Quark Expeditions ○ <i>MV Professor Multanovskiy</i> Quark Expeditions ○ <i>MV Lyubov Orlova</i> Quark Expeditions ○ <i>MV Akademik Shokalskiy</i> Quark Expeditions ○ <i>MV Marco Polo</i> Orient Lines ○ <i>MV Corinthian II</i> Travel Dynamics ○ <i>MV Discovery</i> Discovery World Cruises, Ltd. 	<p>Total number: max. 1,750 passengers http://www.abercrombiekent.com</p> <p>4 cruises with approx. 100 passengers each November 2006 to February 2007 Total number: max. 400 passengers</p> <p>10 cruises with approx. 40 passengers each November 2006 to March 2007 Total number: max. 400 passengers</p> <p>11 cruises with approx. 45 passengers each November 2006 to March 2007 Total number: max. 495 passengers</p> <p>12 cruises with approx. 80 passengers each November 2006 to March 2007 Total number: max. 960 passengers http://www.Quarkexpeditions.com</p> <p>10 cruises with approx. 35 passengers each November 2006 to February 2007 Total number: max. 350 passengers http://www.Quarkexpeditions.com</p> <p>7 cruises with approx. 550 passengers each December 2006 to February 2007 Total number: max. 3,850 passengers http://www.orientlines.com</p> <p>6 cruises with approx. 100 passengers each December 2006 to February 2007 Total number: max. 600 passengers http://www.TravelDynamicsInternational.com</p> <p>4 cruises with approx. 550 passengers December 2006 to February 2007 Total number: max. 2,200 http://www.discoveryworldcruises.com/wb2/</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>+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>+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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SECTION 7 <i>(continued)</i>	SHIPS			
	Name	Inmarsat Telephone	Facsimile	E-mail
	<i>Nathaniel B. Palmer</i>	xxx-336-661-012	xxx-336-661-014	mpc@nbp.usap.gov
	<i>Laurence M. Gould</i>	xxx-336-862-421	xxx-336-862-424	mpc@lmg.usap.gov
	<i>Polar Sea</i>	xxx-336-787-820		postmasterpolarsea@polarsea.uscg.mil

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 2006/7 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	Head, Polar Research Support Section	Tel: +01-703-292-8032 Fax: +01-703-292-9080

Part B

•	Please tick [4] 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 2005/6 SEASON	McMurdo Station	77-52S 166-11E	None. Station is accessible via regular telephone at 01-720-568-1000.
	Siple Dome Camp	81.6747S 149.0568 W	Accessed via McMurdo Station telephone patch
	WAIS Divide Camp	79.468S 112.086W	Accessed via McMurdo Station telephone patch
	South Pole Station	90.0 S 0.0W	Accessed via McMurdo Station telephone patch
Secondary Air Information Stations	Siple Dome	81-30S 146W	Accessed via McMurdo Station telephone patch
	Odell Glacier will be decommissioned during the 2006-2007 season	76-66S 159-95E	Accessed via McMurdo Station telephone patch

2006/07 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	49	Up to 45,000/13720	3 Oct '06– 24 Feb '07	One C-17
Christchurch-McMurdo-Christchurch	60*	Up to 29,000/8841	19 Oct '05 – 24 Feb 07**	Six to Seven LC-130s
Christchurch-McMurdo-Christchurch	3	Up to 29,000/8841	31 Oct '06; 9 Nov '06; and 13 Nov '06	1 Lockheed L-100 via SAFAIR (USAP mission)
Christchurch-McMurdo-Christchurch	14	Up to 29,000/8841	20 Nov – 20 Dec 05	C-130H (wheeled) RNZAF

*Approximately 3 flights per week

**Exclusive of 22-28 Dec 06

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 2006/2007 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
McMurdo Station TO WAIS Divide LOCATION: 79.468S/112.086W Elevation 5,230ft Fm. McM: 885 nmi	24	20,000-25,000 / 7622	27 Oct – 07 Feb06	Any of 7 LCs; 2 Twin Otters, and/or 1 Basler.
McMurdo station TO AGO sites (6 sites in/around polar plateau) Elevation: 6,100 – 11,700ft Fm. McM: 500-1,100mi	8	Up to 15,000f t/ 4573	29 Dec – 07 Feb07	any of 2 Twin Otter aircraft or 1 Basler
McMurdo station TO Siple Dome LOCATION: 81-40S/149- 03W Elevation: 2,415FT Fm. McM: 540mi	8	20,000 – 25,000ft / 7622	25 Oct – 29 Jan07	Any of 7 LCs; 2 Twin Otters, and/or 1 Basler.
McMurdo station TO South Pole LOCATION: 90S Elevation: 9,342Ft	372	20,000 – 25,000ft / 7622	23 Oct ,06 – 19 Feb07	Any of 7 LCs; 2 Twin Otters, and/or 1 Basler.

Route	No. of Flights	Flight Level or Altitude (ft/m)	Approximate Date or Period of Flight(s)	No. and Type of Aircraft per Flight
Fm. McM: 725mi				
McMurdo station TO Fosdick Mountains LOCATION: 76.33S 145.13W Elevation: 4,921FT Fm. McM: 633 nmi	17	20,000 – 25,000ft / 7622	01- Nov,06 – 29 Jan07	Any; 2 Twin Otters, and/or 1 Basler.
McMurdo station TO Long Duration Balloon payload drop point LOCATION: Unknown at this time Elevation: Unknown this time Fm. McM: 300 – 700mi (est.)	2	20,000 – 25,000ft / 7622	03 Jan – 15 Ja07	Any of 7 LCs; 2 Twin Otters, and/or 1 Basler.
McMurdo Station to Grosvenor Mountains LOCATION: 85.55S 174E Elevation: 8,087 FT Fm. McM: 463 nm	13	20,000 – 25,000ft / 7622	8 Dec – 22Jan 07	Any of 7 LCs' 2 Twin Otters and/or 1 Basler
McMurdo Station to Taylor Dome LOCATION: 77.79S 158.79E Elevation: 7,424 FT Fm. McMurdo: 100 nm	10	20,000 – 25,000ft / 7622	25 Oct – 15 Dec 07	Any of 7 LCs' 2 Twin Otters and/or 1 Basler
McMurdo Station to ITASE Winterover Site LOCATION: 82.77S 138.45E Elevation: 8,160 Ft. From McMurdo: 365 nm	2	20,000 – 25,000ft / 7622	13 Jan – 27 Jan 07	Any of 7 LCs' 2 Twin Otters and/or 1 Basler
In/Around McMurdo station (Local helicopter operations) Fm. McM: 1 – 150mi radius	350- 400	500 – 10,000ft / 3048	6 Oct,06 – 12 Feb07	two AS-350B Helicopters two Bell 212 Helicopters

HELICOPTER OPERATIONS

Sites in/around McMurdo Station
2006/07 SEASON {9 Oct'06 – 16 Feb'07}

Location	Latitude	Longitude
Adelie Cove	-74.7682	163.9804
Arena Valley	-77.8596	160.9437
ARIANNA at Minna Bluff	-78.7500	165.0000
Asgard Range	-77.6406	161.6265
B15J	-76.4904	167.2117
Battleship Promontory	-76.9178	161.0321
Beacon Valley	-77.8040	160.7101
Beaufort Is (ASPA 105)	-76.9306	166.9722
Big Razorback Is	-77.6808	166.5035
Black Is	-78.1274	166.1500
Blood Falls	-77.7212	162.2718
Bonney Riegel	-77.7272	162.3148
Bratina Is	-78.0115	165.5502
Brown Pen	-78.1318	165.3849
Bull Pass	-77.5177	161.8547
Canada GI (ASPA 131)	-77.6161	163.0481
Catspaw GI	-77.6946	161.5975
Commonwealth GI	-77.5504	163.2380
Commonwealth Stream	-77.5833	163.5000
Cones	-77.5346	167.0855
Cp Bird (ASPA 116)	-77.2214	166.4282
Cp Chocolate	-77.9012	164.5028
Cp Crozier (ASPA 124)	-77.4617	169.1903
Cp Lankester	-79.2473	160.3543
Cp Reynolds	-75.4690	162.4533
Cp Roberts	-77.0342	163.1707
Cp Royds (ASPA 121)	-77.5317	166.2356
Cp Royds (ASPA 157)	-77.5518	166.1706
Cp Selborne	-80.4305	160.6219
Cp Spencer	-77.9671	167.5350
Cp Spencer (AWS)	-77.9710	167.1600
Darwin GI Camp	-79.7856	157.8842
Delta Stream	-77.6333	163.1167
Depot Is	-76.7000	162.9667
Depot Nunatak	-77.7500	160.0400
Dewitt area	-76.9500	160.2600
Don Juan Pond	-77.5646	161.1786
Dunlop Is	-77.2349	163.4975
Explorers Cove	-77.5780	163.5212
F6	-77.6085	163.2550
Fang GI	-77.4616	167.2717
Ferrell	-77.9235	170.8180
Fishtail Pt	-78.9273	162.5644
Garwood Valley	-78.0267	164.2947

Granite Harbor	-77.0114	162.8562
Herbie Alley	-78.0907	166.6837
Hjorth Hill	-77.5161	163.6205
Howard Gl	-77.6712	163.0765
Hughes Gl	-77.7357	162.4639
Hutton Cliffs	-77.7330	166.8500
Inexpressible Is	-74.9100	163.6946
Kennar Valley	-77.7740	160.3559
Kukri Hills	-77.8333	161.7333
Laurie Il	-77.5490	170.8170
Lewis Bay (ASPA 156)	-77.4425	167.5575
Linda	-78.4640	168.3820
Lk Bonney	-77.7246	162.3152
Lk Brownworth	-77.4336	162.7056
Lk Fryxell	-77.6063	163.1238
Lk Hoare	-77.6238	162.9053
Lk Joyce	-77.7205	161.6139
Lk Vanda	-77.5271	161.6755
Lk Vida	-77.3773	161.7927
Low Miers Valley	-78.0987	163.7965
Marble Pt	-77.4137	163.6792
McMurdo	-77.8500	166.6700
Meeley (AWS)	-78.5200	170.2000
Miers Valley	-78.0987	163.7965
Minna Bluff	-78.5540	166.6910
Mt Aurora	-78.2326	166.3685
Mt Bird	-77.2575	166.8591
Mt Brooke	-76.8300	159.9005
Mt Coates	-77.7860	161.9704
Mt Discovery	-78.3667	165.0167
Mt Erebus	-77.5255	167.1373
Mt Fleming	-77.5334	160.2727
Mt Newall	-77.5049	162.6221
Mt Terror	-77.5133	168.5713
Mt Voslips	-77.6886	162.9815
Mt. Fleming area	-77.5334	160.2727
Mullock GL(AWS)	-78.9170	159.0000
New Harbor	-77.5780	163.5212
Nussbaum Riegel	-77.6752	162.7564
Odell Gl	-76.6300	160.0500
Olympus Range	-77.4810	161.2430
Pegasus	-77.9528	166.5035
Pk 1882	-77.6545	162.5431
Ross Ice Shelf	-78.5000	172.0000
Round Mt	-77.6667	160.9167
Scott Base	-77.8489	166.7719
Scott Coast	-76.5000	162.5000
Stonehenge	-77.5000	165.2000
Table Mt	-77.9552	162.0348
Taylor Gl	-77.7404	162.1304
Taylor Valley	-77.6712	163.0765

Taylor/McMurdo Dome	-77.8000	158.7333
Terra Nova Bay	-74.6936	164.1117
The Pyramid	-78.3333	163.4500
Tripp Is	-76.6333	162.7000
Victoria Valley	-77.3301	162.5326
White Is	-78.1897	167.4962
Whitlock	-76.1440	168.3920
Windless Bight (AWS)	-77.7210	167.7036
Wright Valley	-77.5528	161.3073

TWIN OTTER/BASLER OPERATIONS
Sites in/around McMurdo Station
2006/07 SEASON

Site	Latitude	Longitude
AE1	78.3S	118.00W
AE2	77.5S	98.00W
AFLT	83.96S	167.69W
AGO1 (cache)	83.83S	129.56E
AGO1	83.85S	129.59E
AGO2 (cache)	85.66S	46.43W
AGO2	85.67S	45.62W
AGO3	82.75S	28.58E
AGO4	81.99S	96.78E
AGO5	77.25S	123.50E
AGO6	69.51S	129.99E
Allan Hills (cache)	76.66S	159.60E
Allan Hills	76.68S	159.91E
ANITA/TIGER	71.75S	58.75E
B	80.02S	119.53W
Back of Endurance cliffs/Mt. Summerson	82.75S	155.00E
Bates Nunatak	80.25S	153.58E
Beardmore GI (cache)	84.00S	171.29E
Beardmore GI	84.00S	164.50E
Beaufort Is	76.93S	166.94E
BFLT	82.53S	166.00W
BFLT010	83.59S	164.40W
BFLT090	84.07S	158.98W
BFLT140	84.19S	152.04W
BFLT190	83.91S	147.92W
BFLT320	83.45S	138.09W
Brianna	83.89S	134.15W
Byrd Camp (cache)	80.08S	119.53W
Byrd Camp	80.03S	119.61W
Byrd Glacier (lower)	80.13S	162.00E
Byrd Glacier (upper)	80.42S	157.50E
Cambrian Bluff	82.38S	160.91E
Casey	66.28S	110.53E
CIR1	83.03S	172.22W
Clark Mtns	77.34S	141.87W
Cp Archer	76.85S	162.82E
Cp Hallett (cache)	72.44S	169.94E

Site	Latitude	Longitude
Cp Hallett	72.32S	170.21E
Cp Lankester	79.25S	160.36E
Cp Reynolds	75.47S	162.45E
Cp Selbourne (cache)	80.43S	160.62E
Cp Selbourne	80.40S	160.75E
Cp Washington	74.65S	165.42E
Cp Wilson	82.25S	163.50E
D090	80.96S	144.50W
Darwin GI Camp	79.79S	157.88E
Davis	68.58S	77.98E
Davis Knoll	82.17S	155.00E
Davis Nuns	85.30S	166.60E
Deverall Is	81.47S	161.90E
DF05	80.50S	151.03W
Dome C	75.10S	123.39E
Doug	82.32S	113.24W
Drygalski Ice Tongue	75.40S	163.50E
E010	80.13S	147.19W
EF05	80.19S	150.91W
Elaine	83.13S	174.16E
EWM4	77.53S	86.15W
Ford Range	77.22S	142.74W
Fosdick Mtns	76.33S	145.13W
G001	80.92S	144.38W
G002	80.87S	144.24W
G003	80.83S	144.09W
G004	80.78S	143.91W
G005	80.74S	143.75W
G006	80.68S	143.50W
G009	80.98S	144.16W
G010	80.91S	144.72W
G011	80.85S	143.79W
G018	80.13S	147.52W
G019	80.14S	147.83W
G037	80.53S	144.11W
Gargoyle Ridge	82.42S	159.83E
Gerard Bluffs	83.58S	157.00E
Gill	79.99S	178.61W
Graphite Pk	85.05S	172.76E
Grosvenor Mountains	85.55S	174E
GS20	80.19S	146.38W
GS21	80.13S	146.99W
GS22	80.12S	146.78W
GS23	80.12S	146.58W
GS24	80.16S	146.58W
GS25	80.09S	146.58W

Site	Latitude	Longitude
GS26	80.17S	146.99W
GS27	80.09S	146.99W
GS36	80.58S	148.54W
H	77.00S	78.30W
Harry	83.00S	121.39W
Henry	89.01S	1.02W
Hercules Dome	86.50S	107.92W
Horlick Mountains	85.38S	121.00W
Horney Bluff 1	80.20S	159.16E
Horney Bluff 2	80.12S	160.17E
Inland Kamb Ice Stream	81.95S	135.00W
ITASE Winterover Site	82.77S	138.45E
Kamb Ice Stream	82.37S	136.40W
LaPaz Icefields	86.33S	70.00W
Larkman Nun	85.77S	179.38E
Lettau	82.52S	174.45W
Leverett Gl	85.49S	149.72W
Lewis Ice Cliff Tongue	84.25S	163.50E
Lonewolf Nun	81.33S	152.83E
Lonewolf Nunataks	81.42S	153.00E
MacAlpine Hills	84.27S	159.92E
Marilyn	79.95S	165.13E
Mario Zucchelli Station	74.69S	164.12E
Mawson	67.60S	62.88E
McMurdo Station	77.85S	166.67E
Megadunes	80.78S	124.50E
Midpoint C	75.54S	145.82E
Miller Range	83.30S	155.70E
Mt Ester	82.30S	155.00E
Mt Madison	80.42S	159.83E
Mt Moulton	76.05S	134.69W
Mt Rainbow	80.75S	156.00E
Mt Takahe	76.15S	112.37W
Mt Tuatara	80.53S	158.25E
Nascent Gl	78.12S	178.72W
Nico	89.00S	90.04E
No Name 1	80.42S	156.75E
No Name 2	80.33S	157.83E
No Name 3	82.38S	157.08E
No Name 4	83.13S	155.83E
Noel	79.33S	111.07W
North MacKay Icefield	76.60S	157.75E
Odell Gl (cache)	76.63S	160.05E
Odell Gl	76.66S	159.95E
Patriot Hills	80.27S	81.27W
Pensacola Mtns	83.75S	55.00W

Site	Latitude	Longitude
PH	80.33S	81.41W
Pine Is	77.57S	95.93W
Ramsever Gl	80.50S	156.25E
RBC1	83.69S	150.58W
RCD1	81.82S	135.75W
Reedy Gl	85.63S	132.02W
Rockefeller Mtns	78.29S	155.21W
Roosevelt Is	79.35S	160.32W
Rothera	67.57S	68.13W
Round Mt	77.67S	160.92E
Rundle Peaks	80.68S	157.16E
S015	80.91S	144.06W
S017	80.78S	143.61W
SB	75.85S	71.56W
Schwerdtfeger	79.90S	169.97E
Scott Gl (SOAR)	85.82S	151.13W
SD	81.65S	149.06W
SDM1	81.62S	148.87W
Seismic Center	80.25S	140.63E
Shackelton Range	80.80S	25.40W
Shackleton Icefalls	85.13S	164.00E
Siple Dome	81.67S	149.01W
Site 3 (ITASE)	78.12S	95.65W
Site 5 (ITASE)	76.98S	88.82W
Site H (S-176)	81.95S	138.23W
Site J (S-176)	81.93S	131.66W
Site K (S-178)	81.90S	128.45W
Site L (S-178)	81.77S	125.43W
Skaar Ridge	84.83S	162.90E
Sky Blu	74.85S	71.56W
SOAR Site 1	79.32S	132.93W
SOAR Site 1 (OLD)	82.33S	163.72E
South Lashly	78.25S	158.85E
South Pole	90.00S	139.27E
Storm Pk	84.57S	163.85E
SW Pecora Icefields	85.85S	71.40W
Swithinbank	81.20S	126.17W
TAMSEIS Camp	81.65S	122.58E
Taylor Dome	77.79S	158.79E
The Landing	78.33S	161.46E
The Pyramid	78.33S	163.45E
Theresa	84.60S	115.81W
Theron Mtns	79.08S	28.25W
TI1	74.08S	105.28W
TI2	71.87S	100.91W
TI3	72.53S	93.03W

Site	Latitude	Longitude
Turret Nunatak	82.42S	158.00E
Up-Kamb Ice Stream	82.43S	135.80W
Upper Marsh Icefield	84.97S	157.35E
Vostok	78.47S	106.82E
W1	87.37S	149.50W
W2	85.63S	68.70W
W3	81.55S	28.50W
W4	82.60S	52.50W
W5	80.33S	81.41W
W7	79.62S	91.23W
W8	75.33S	72.50W
W9	82.58S	104.50W
WAIS Divide	79.47S	112.08W
Westhaven Nun	79.85S	154.23E
WGN	77.13S	115.21W
Yancey Glacier	80.25S	158.50E

PART 3 SHIP-BASED OPERATIONS 2006/07 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 2006-07 season.				

**PART 4 OTHER AIRBORNE OPERATIONS (e.g. balloons, rockets, etc.)
2006/07 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	8 flights total [5 pathfinders + 3 Data flights]. Three large Data balloon flights (29-39 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 2006/07 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	S	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	W	1	45,000/13,720	102	S/U/V/H	INS/GPS/Doppler	5000/8050	JP-8	Yes

[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