

**Antarctic Treaty**  
XII Special Consultative Meeting

**Traité de l'Antarctique**  
XII<sup>e</sup> Réunion consultative spéciale

**Tratado Antártico**  
XII Reunión Consultiva Especial

**Антарктический Договор**  
XII Специальное Консультативное Собрание

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**Agenda Item**  
**(CEP) 4**

## Overview of Antarctic Tourism

Submitted by  
IAATO

The International Association of Antarctica Tour Operators (IAATO) is pleased to provide this summary of Antarctic tourism for the 1999-2000 season and a brief overview of Antarctic tourism trends. A detailed overview of Antarctic tourism and IAATO is available online at [www.iaato.org](http://www.iaato.org), including the statistics compiled annually by the Office of Polar Programs at the U.S. National Science Foundation.

## 1 Overview

In 1999-2000 it is estimated that 14,762 people traveled to the Antarctic on private sector expeditions. Tourist activities currently include small boat or zodiac cruising, shore landings, and to a lesser extent kayaking, mountain climbing, scuba diving, surfing, skiing, snowboarding, camping, parachuting and marathon running. A brief summary of the season, "IAATO Overview of Actual Antarctic Tourism, 1999-2000," is appended. (Appendix A). Of these Antarctic visitors, 139 participated in land-based expeditions, 221 traveled aboard commercial yachts and 14,402 traveled aboard commercially organized tour vessels.

## 2 Seaborne Tourism

- 2.1 14,402 people traveled to the Antarctic on 21 commercially organized tour vessels from November 1999 to March 2000, a 46% increase over the 1998-1999 season total of 9,857 ship-based visitors. This dramatic increase in tourist numbers is primarily due to the operations of three new large vessels during the 1999-2000 season, namely the *Aegean I*, the *Ocean Explorer* and the *Rotterdam VI*.
- 2.2 IAATO members operated all but four of the Antarctic tour vessels that sailed in 1999-2000. The four non-IAATO vessels were *Aegean I*, *Ocean Explorer*, *Marco Polo* and *Rotterdam VI*. In respect of these vessels, IAATO member Marine Expeditions assisted the *Aegean I* and the *Ocean Explorer*. The *Marco Polo* has been operating in Antarctica since 1993. The *Rotterdam VI* spent only 72 hours in the Peninsula region without landing tourists.
- 2.3 The vast majority of Antarctic voyages are to the Peninsula region during the five month Austral summer (November – March), departing from Ushuaia, Argentina, or, to a lesser extent, from Punta Arenas, Chile or Port Stanley. Of 153 ship and yacht voyages in 1999-2000, 148 voyages visited the Antarctic Peninsula Region; four visited the Ross Sea sector; and one voyage (on the *Marco Polo*) included both the Ross Sea sector and Antarctic Peninsula.

Region visited	Activity	Number of Voyages	Number of Persons
Peninsula only	landings	147	13,852
Peninsula only	no landings	1	936
Peninsula and Ross Sea	landings	1	484
Ross Sea/Continental	landings	4	287
Land based	land based	13	139

## 2.4 Commercial Antarctic Tour Vessels, 1999-2000

Ship	Registry	Passenger Capacity	Operating in Antarctica Since
<i>Explorer</i>	Liberia	96	1970
<i>World Discoverer</i>	Liberia	138	1977
<i>Bremen (ex Frontier Spirit)</i>	Bahamas	164	1989
<i>Professor Molchanov</i>	Russia	52	1991
<i>Kapitan Khlebnikov</i>	Russia	108	1992
<i>Akademik Sergei Vavilov</i>	Russia	80	1992
<i>Akademik Ioffe</i>	Russia	117	1993
<i>Hanseatic</i>	Bahamas	180	1993
<i>Marco Polo*</i>	Bahamas	800	1993
<i>Clipper Adventurer**</i>	Bahamas	120	1994
<i>Akademik Shokalskiy</i>	Russia	46	1994
<i>Professor Multanovskiy</i>	Russia	52	1995
<i>Akademik Shuleykin</i>	Russia	48	1996
<i>Caledonian Star</i>	Bahamas	110	1998
<i>Lyubov Orlova</i>	Russia	120	1999
<i>Grigoriy Mikheev</i>	Russia	36	1999
<i>Akademik Boris Petrov</i>	Russia	52	1995 and 1999 only
<i>Aegean 1***</i>	Greek	630	1999
<i>Ocean Explorer 1****</i>	Panama	850	1999
<i>Rotterdam VI*****</i>	Netherlands	1316	1999

\* *Marco Polo: Not a Member of IAATO. Capacity limited by operator (Orient Lines) to 500-600 passengers*

\*\* *Clipper Adventurer is the ex Alla Tarasova*

\*\*\* *Aegean 1 Not a Member of IAATO*

\*\*\*\* *Ocean Explorer 1 Not a Member of IAATO*

\*\*\*\*\* *Rotterdam VI No landings Not a Member of IAATO*

Vessels that were operated during the 1999-2000 season but are not returning for the 2000-01 season are: *Akademik Sergei Vavilov, Akademik Shuleykin, Boris Petrov, Aegean 1, Ocean Explorer 1, Rotterdam VI.*

## 3 Commercial Antarctic Yachts (non-IAATO members)

3.1 Based on information received by the IAATO Secretariat, a total of 221 passengers were reported to have traveled to Antarctica aboard 23 commercial yachts in the 1999-2000 season. This includes yachts reported at Arthur Harbor by the U.S. National Science Foundation, reports made directly to the IAATO Secretariat and information gathered by In.Fue.Tur. in Ushuaia and by information provided to IAATO by the BAS staff at Port Lockroy. Yacht activity information (which may be incomplete) is included in the statistical summaries and projections appended to this report. IAATO Member *S/Y Pelagic* is included in the section 2.3 above, rather than

in the yacht totals. *S/Y Golden Fleece* is now an IAATO member but was not officially an IAATO member during the 1999-2000 operating season and therefore included in this yacht section. Antarctic yacht activity is also compiled annually by Robert Headland at Scott Polar Research Institute as part of the ongoing "Chronological List of Antarctic Expeditions and Related Historical Events".

- 3.2 Regular Commercial yachts with fare paying passengers include the *Pelagic* (IAATO Member, Pelagic Expeditions), *Golden Fleece* (IAATO Member, Golden Fleece Expeditions) *Damien II* (Sally and Jerome Poncet), *Croix St. Paul II* (Alex Foucard), *Iron Bark*, *Oosterschelde*, *Express Crusader*, *Arka*, *The Dove*, *Shantooti*, *Alderman*, *Sarah W. Vorwerk*, *Philos*, *Meander*, *Savannah*, *Tooluka*, and yachts organized through Croisieres Australes of France (*Baltazar*, *Kotick I*)
- 3.3 The IAATO Secretariat is in regular correspondence with some of the yacht operators and other interested parties regarding Antarctic yacht activity. Yacht operators Pelagic Expeditions (Full Member) and Golden Fleece Expeditions (new Provisional Member) are both active IAATO members.

#### **4. Land-based Tourism**

- 4.1 Non-IAATO member Adventure Network International (ANI) operated out of Punta Arenas, Chile for the fifteenth consecutive season. There were a total of 139 land based tourists which included support for expeditions and ANI organized and operated expeditions as noted below. ANI also continues to provide EMER (Emergency Medical Evacuation Response) to IAATO member vessels throughout the period that the vessels are operating in the Peninsula region.
- 4.2 ANI operated one Hercules L381-G flights for a total of 17 trips and 201 flying hours, 2 Twin Otters for a total of 190 Flying Hours and One Turbine DC3-67 for a total of 65 flying hours.
- 4.2 Patriot Hills Camp opened 24 October 1999 and closed February 9, 2000. Dronning Maud Land trips operated from Patriot Hills during the 1999-2000 season.
- 4.3 ANI provided support for the following expeditions:
- Peter Tresseder and Tim Jarvis from Berkner Island to the South Pole. The original plan was to go all the way to McMurdo but the expedition was terminated at the Pole due to fuel contamination of the food.
  - Laurence de La Ferriere. From South Pole to Dumont d'Urville. Solo and unsupported.
  - ANI guided expedition from Hercules Inlet to the South Pole. Resupplied at 85° and 87°. Two guides and 7 clients.
  - Singapore team of 4 from Hercules Inlet to the South Pole. One resupply at 85°.
  - UK Women's expedition from Hercules Inlet to the South Pole. Resupply at 87°.

4.4 ANI organized/operated the following Expeditions	total number of people
Expeditions/as above (4.3)	26
Vinson Massif (Guided)	9
Vinson Massif (Self guided)	33
Emperor Penguins	20
South Pole fly in	31
Ski to the South Pole	7
Ski the last degree SP	6
Heart of Antarctica	1
Dronning Maud Land	6
Total	139

## 5 Overflights

- 5.1 During the 1999-2000 season Croydon Travel of Victoria, Australia, operated 9 “Antarctic Day Sight Seeing” flights from Australia: Melbourne (4), Sydney (3) and Adelaide (2) aboard Qantas Airlines Boeing 747-400 aircraft for the sixth consecutive season. A total 3,412 passengers participated on 9 flights from November 1999 to February 2000. In addition, the plane carried a total of 193 crew during the season. To date, Croydon has operated a total of 52 flights carrying nearly 17,000 tourists since commencement of Antarctic operations in the 1994-1995 season.
- 5.2 The aircraft operates at a minimum altitude of 10,000 ft or 2,000 ft above the highest ground within 100 nautical miles. The flights operate mainly to the north Victoria Land coast, Oates, George V and Adelie Land regions. The pilots avoid any known penguin colonies by a horizontal separation of 1 mile and provide a full in flight lecture and education program utilizing three Antarctic lecturers/staff members and videos.
- 5.3 Croydon Travel expects to operate 6 flights in the 2000-01 season to the same areas detailed above from Melbourne, Sydney and Adelaide.
- 5.4 Flights to the Antarctic Peninsula region operate from Chile but information on these has been difficult to obtain. According to IAATO sources overflights of the Antarctic Peninsula from Punta Arenas, Chile operate often from November to March, by a company called Avant. These flights are offered as an optional excursion to cruise ship passengers and independent travelers calling at Punta Arenas. It is reported that at least 22 flights (of 27 originally scheduled) took place between November 1999 and March 2000, each carrying 40-60 passengers and staff including an Antarctic lecturer. The flights are reported to have been operated with a Boeing 737 aircraft approved by the Dirección General de Aeronáutica (Chilean Aeronautical Office).

In addition, Chilean Airlines DAP are thought to operate flights to the Antarctic Peninsula as well.

## 6 Preliminary Estimate of Planned Activities for the 2000-01 Season

- 6.1 According to estimates provided to IAATO by tour operators, 13,193 tourists may visit Antarctica on commercially organized tour vessels, including 200 on land-based expeditions and 200 on commercial yachts. The figure of 13,193 would represent an 11% decrease from the previous season. (14,762 in 1999-2000) (Appendix B).
- 6.2 There will be two vessels returning to Antarctica during the 2000-01 season after several years' absence. Quark Expeditions will again operate the Icebreaker *Kapitan Dranitsyn* in the Peninsula area. The *Kapitan Dranitsyn* has sailed in the Peninsula Area and Weddell Sea during prior years (1993-1995). Plantours and Partner will operate the *Vista Mar* which has also operated in past years in the Peninsula region (1993-97 periodically).
- 6.3 Marine Expeditions will operate the *Mariya Yermolova* for the 2000-01 season in the Peninsula region. The vessel *Sir Hubert Wilkins* will be operated by Ocean Frontiers (non-IAATO member) to George V/Commonwealth Bay and Oates Land.

## 7. Antarctic Tourism Trends

- 7.1 For the past 11 years, Nadene Kennedy from the U.S. National Science Foundation has compiled and distributed detailed information on Antarctic tourist activities. IAATO collaborates with NSF to ensure that all Antarctic tourism is represented, not just that of U.S. organizers. Appendices include the following tables and charts compiled by NSF and IAATO to reflect the 1999-2000 season. This data is an invaluable resource, showing tourism activity at individual landing sites over time.

Appendix C	Antarctic Tourist Trends
Appendix D	Antarctic Tourists Ship and Land Based 1992-2000
Appendix E	Peninsula Sites Ranking in the Top 5 Most Visited Sites For 3 or More of the Last Eleven Seasons
Appendix F	Comparison of Nationalities (1994/95 –1999/00)
Appendix G	1999-2000 Summary of Peninsula Sites Visited by Tour Ships
Appendix H	Eleven Season (1989-00) Overview of Sites Visited in the Antarctic Peninsula
Appendix I	1999-2000 Summary of Continental Sites Visited by Tour Ships
Appendix J	Overview of Sites Visited – Continental Side of Antarctica (1992/93 – 1999/2000)
Appendix K	Nationalities of all Tourists 99-00
Appendix L	Summary of Seaborne and Land Based Antarctic Tourism by Departure 1999-2000
Appendix M	Top Eight Continental Sites

- 7.2 IAATO has successfully predicted the fluctuating trend in Antarctic Tourism over the last five years. The IAATO Secretariat currently predicts that Antarctic Tourism will continue to grow if, as expected, large ships include Antarctica in itineraries such as

“Round the World,” “Round South America” etc. The significant increase in numbers reflects the numbers carried by large vessels but not necessarily the number of tourists that might land in Antarctica or how long the tourists would landed for. The following chart is a “best guess” estimate based on trends and on information that has been provided to the IAATO Secretariat. These estimates are inevitably subject to economic factors that are multifarious and unpredictable.

#### Historical statistics and Five Year Forecast of Seaborne Antarctic Tourism 2000-2005

Year	#Operators	#Ships	#Voyages	# Passengers	# Passenger Landings	# Passengers 2 or less landings
1992-93	10	12	59	6704		
1993-94	9	11	65	7957		
1994-95	9	14	93	8098		
1995-96	10	15	113	9212		
1996-97	11	13	104	7322		
1997-98	12	13 (plus yachts)	92 plus yachts	9,473		
1998-99	15	15 (plus yachts)	116	9,857		
1999-00	17	21 (plus yachts)	154	11,880	936	1807
<b>Forecast</b>						
2000-01	20 (plus yachts)	19 (plus yachts)	142	12,993	0	0
2001-02	24	24 (plus yachts)	158	14,500	3000	?
2002-03	24	26 (plus yachts)	166	15,500	3000	?
2003-04	25	27 (plus yachts)	170	15,500	3500	?
2004-05	25	27 (plus yachts)	170	16,000	3500	?

- 7.3 Since 1993 large cruise liners have periodically visited the Antarctic Peninsula. The M/V Marco Polo has visited nearly every season.
- 7.4 During 2001-2002 there are two planned visits by the M/V Ryndam, at least one with the M/V Crystal Harmony and in addition Seaborne Cruises may send one or more ships. All the above mentioned vessels carry a large number of passengers.
- 7.5 IAATO will continue to monitor developments in the tourism industry. Antarctic tourism will probably remain a relatively specialized and expensive niche destination offered mainly by a small number of experienced small ship tour operators, whose

focus will continue to be on educational voyages to areas of exceptional natural history and wilderness value. There is a current trend towards the diversification of activities from these tourist vessels such as scuba diving, mountain climbing and kayaking. In addition large ships are likely to operate voyages in the region but with few or no landings in Antarctica, placing more emphasis on the scenic beauty aspects.

## 8. IAATO Statement on Larger Cruise Vessels

The IAATO Bylaws, as adopted in 1991, include a pledge by members not to carry more than 400 passengers per trip. The 400-passenger limit was determined, in part, by the fact that the seven founding members of IAATO included Paquet/Ocean cruise Lines which operated the 400-passenger *Ocean Princess* at the time. The question of larger vessels has been under active discussion by members since 1991. Lengthy discussions have taken place during the 1999 and 2000 general meetings but so far no changes have been made to the IAATO Bylaws to increase the number of passengers or size of vessel.

- 8.1 Despite pressures from some Antarctic Treaty Parties asking IAATO to be all inclusive, IAATO feels very strongly that the decision to change the Bylaws or create new categories of membership is not something the organization needs to rush into. IAATO has currently taken the precautionary approach and has chosen to research the practicality of including all types of Antarctic tourism activities and of creating new membership categories.
- 8.2 The following paragraph was noted in IAATO Overview of Antarctic Tourism Activities (ATCM XXIII IP98) and continues to reflect IAATO's current philosophy. "The significance of the size of the vessel as it relates to potential impact, contingency planning and emergency response is complex, and factors such as choice of landing site, number of landings, type of fuel carried may be of equal or greater importance than the size of the vessel. These are not issues that are easily resolved. In particular, IAATO members are concerned that potential cumulative environmental impacts and emergency response requirements of very large vessels could adversely impact on the principles of safe and environmentally responsible travel to Antarctica."
- 8.3 In practice and as long as the information is available to the IAATO Secretariat all tour operators – whether or not associated with IAATO – are included in emergency contact information, exchange of information and other activities of the IAATO Secretariat. Non-members, prospective members and other interested parties are encouraged to participate in the annual general meeting of IAATO, where IAATO Bylaws and operating procedures, obligations of the Antarctic Treaty System and other matters are discussed and policies developed.

## Appendices:

- A IAATO Overview of Actual Antarctic Tourism, 1999-00
- B IAATO Preliminary Estimate of Antarctic Tourism, 2000-01



- C Antarctic Tourist Trends
- D Antarctic Tourists Ship and Land Based 1992-2000
- E Peninsula Sites Ranking in the Top 5 Most Visited Sites For 3 or More of the Last Eleven Seasons
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- J Top Eight Continental Sites
- K Nationalities of all Tourists 99-00
- L Summary of Seaborne and Land Based Antarctic Tourism by Departure 1999-2000

## Appendix A

### IAATO Overview of Ship and Land Based Antarctic Tourism, 1999-00

(Based on information provided by Antarctic tour operators to the IAATO Secretariat as of September 2000)

Vessel	Operator/Charterer	Number of Voyages	Number of Passengers	Member Affiliates
<i>Explorer</i>	Explorer Shipping	10	764	One voyage in conjunction with Victor Emanuel Nature Tours
<i>Kapitan Khlebnikov</i>	Quark Expeditions	2	198	Including one charter in conjunction with Zegrahm Expeditions
<i>Professor Molchanov</i>	Aurora Expeditions	9	453	
<i>Professor Molchanov</i>	Oceanwide Expeditions	1	32	
<i>Akademik S. Vavilov</i>	Quark Expeditions	8	565	
<i>Professor Multanovskiy</i>	Quark Expeditions	9	390	Including one charter in conjunction with Heritage Expeditions and Asteria
<i>Akademik Shokalskiy</i>	Heritage Expeditions	2	89	
<i>Clipper Adventurer</i>	New World Ship Management Clipper Cruise Line	7	662	
<i>Clipper Adventurer</i>	Zegrahm Expeditions	1	88	
<i>World Discoverer</i>	Society Expeditions	7	828	Including one voyage in conjunction with Zegrahm Expeditions
<i>Bremen</i>	Hapag-Lloyd	7	791	
<i>Hanseatic</i>	Hapag-Lloyd	7	1008	
<i>Caledonian Star</i>	Lindblad Expeditions	6	523	
<i>Akademik Ioffe</i>	Marine Expeditions	10	873	
<i>Akademik Shuleykin</i>	Mountain Travel-Sobek	5	206	
<i>Akademik Shuleykin</i>	Marine Expeditions	4	144	
<i>Yubov Orlova</i>	Marine Expeditions	9	933	
<i>Akademik Boris Petrov</i>	Peregrine Adventures	9	366	
<i>Grigoriy Mikheev</i>	Oceanwide Expeditions	4	122	
<i>Grigoriy Mikheev</i>	Aurora Expeditions	1	31	
<i>S/Y Pelagic</i>	Pelagic Expeditions	2	16	
<b>Non IAATO Members</b>				
<i>Marco Polo</i>	Orient Lines	5	2583	Has been operating since 1993
<i>Aegean I</i>	The World Cruise Company	2	912	Assisted by Marine Expeditions
<i>Ocean Explorer I</i>	The World Cruise Company	2	889	Assisted by Marine Expeditions
<i>Yachts (~17)</i>	Various	23	221	Based on Port Lockroy and Palmer Station visits and In.Fue.Tur
<i>Rotterdam VI</i>	Holland America Line	1	936	Cruise only no landing
<i>Land-based programs</i>	Adventure Network Int'l		139	
<b>TOTALS</b>		<b>153</b>	<b>14,762</b>	

## Appendix B

### IAATO Preliminary Estimate of Antarctic Tourism, 2000-01

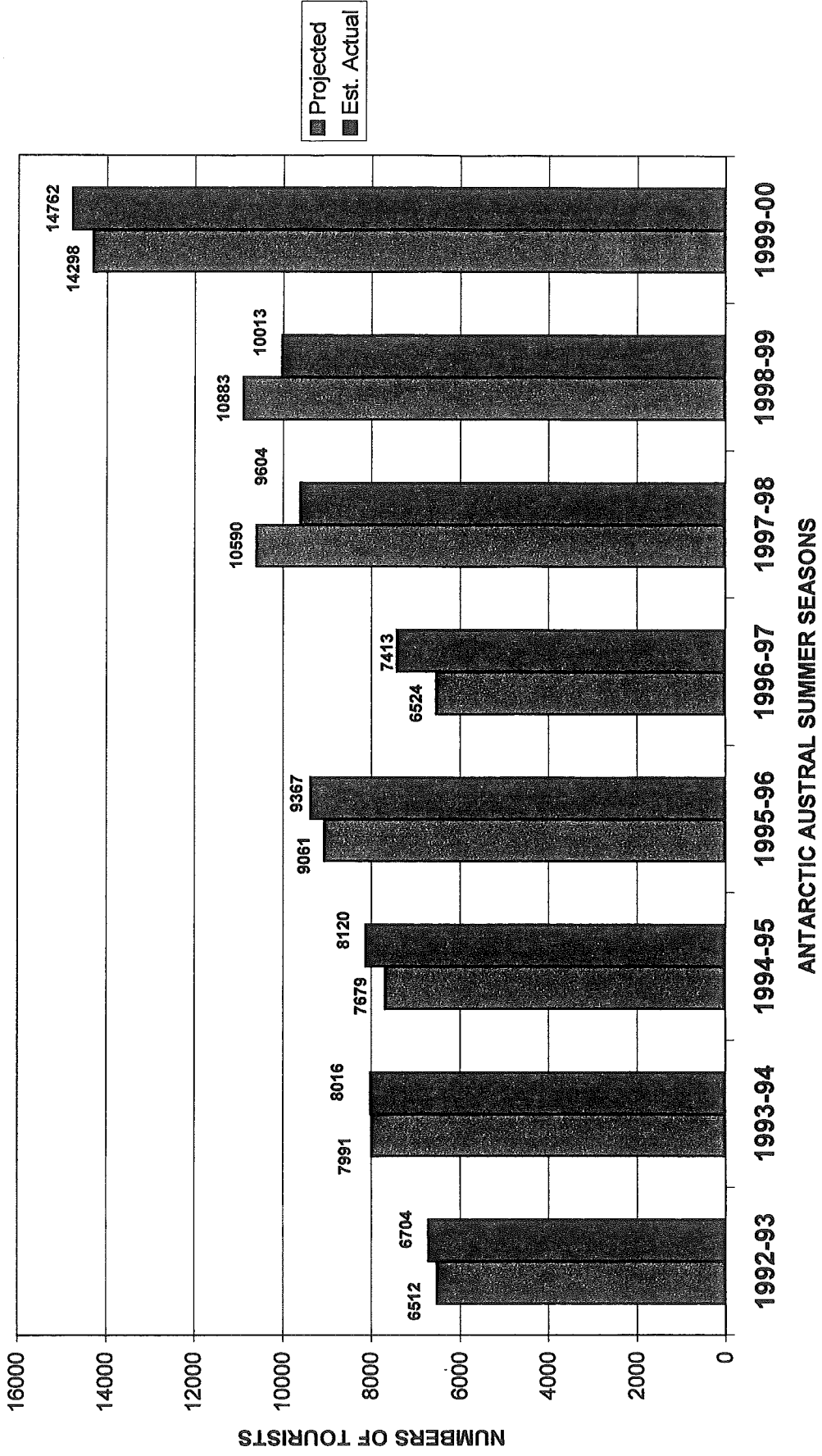
(Based on information provided by Antarctic tour operators to the IAATO Secretariat as of September 3, 2000)

Vessel	Charterer	Passenger Capacity	Probable # Voyages	Estimated Ave. Load	Probable # Passengers
<b>Peninsula Voyages</b>					
<i>Explorer</i>	Abercrombie and Kent/Explorer Shipping	96	6	80	480
<i>Explorer</i>	Victor Emanuel Nature Tours	96	1	80	75
<i>Professor Molchanov</i>	Aurora Expeditions	52	10	45	450
<i>Kapitan Dranitsyn</i>	Quark Expeditions	100	9	90	900
<i>Professor Multanovskiy</i>	Quark Expeditions	52	9	40	360
<i>Professor Multanovskiy</i>	Oceanwide Expeditions	52	1	25	25
<i>Clipper Adventurer</i>	Clipper Cruise Line/New World Ship Management Co LLC	122	7	110	770
<i>Clipper Adventurer</i>	Zegrahm Expeditions Inc.	122	1	115	115
<i>Hanseatic</i>	Hapag-Lloyd	180	8	150	1200
<i>Bremen</i> (note the Continental trip mentioned below starts in the Ross Sea and ends in the Peninsula plus there is one Peninsula voyage)	Hapag Lloyd	164	1	140	140
<i>Caledonian Star</i>	Lindblad Expeditions	110	6	100	660
<i>Akademik Ioffe</i>	Peregrine Adventures	117	11	70	770
<i>Mariya Yermolova</i>	Marine Expeditions	120	7	100	860
<i>Mariya Yermolva</i>	Cheeseman Ecology Safaris	120	1	87	87
<i>Lyubov Orlova</i>	Marine Expeditions	120	11	100	1320
<i>Grigory Mikheev</i>	Oceanwide Expeditions	36	9	29	261
<i>Vista Mar</i>	plantours and Partner	280	3	260	780
<i>Pelagic</i>	Pelagic Expeditions	6	2	6	12
<i>S/Y Golden Fleece</i>	Golden Fleece Expeditions	10	3	10	30
<b>Continental Voyages</b>					
<i>Bremen</i>	Hapag-Lloyd	164	1	130	130
<i>Kapitan Khlebnikov</i>	Quark Expeditions	108	3	100	300
<i>Akademik Shokalskiy</i>	Heritage Expeditions	46	2	46	92
<b>Non IAATO Members</b>					
<i>Marco Polo (Peninsula)</i>	Orient Lines	800	6	490	2940
<i>S/Y Sir Hubert Wilkins (Continental)</i>	Ocean Frontiers Pty	20	2	18	36
Land-based programs	Adventure Network Int'l				200
<i>Yachts (~16)</i>	Various		22	9	200
<b>TOTALS</b>			<b>142</b>		<b>13,193</b>

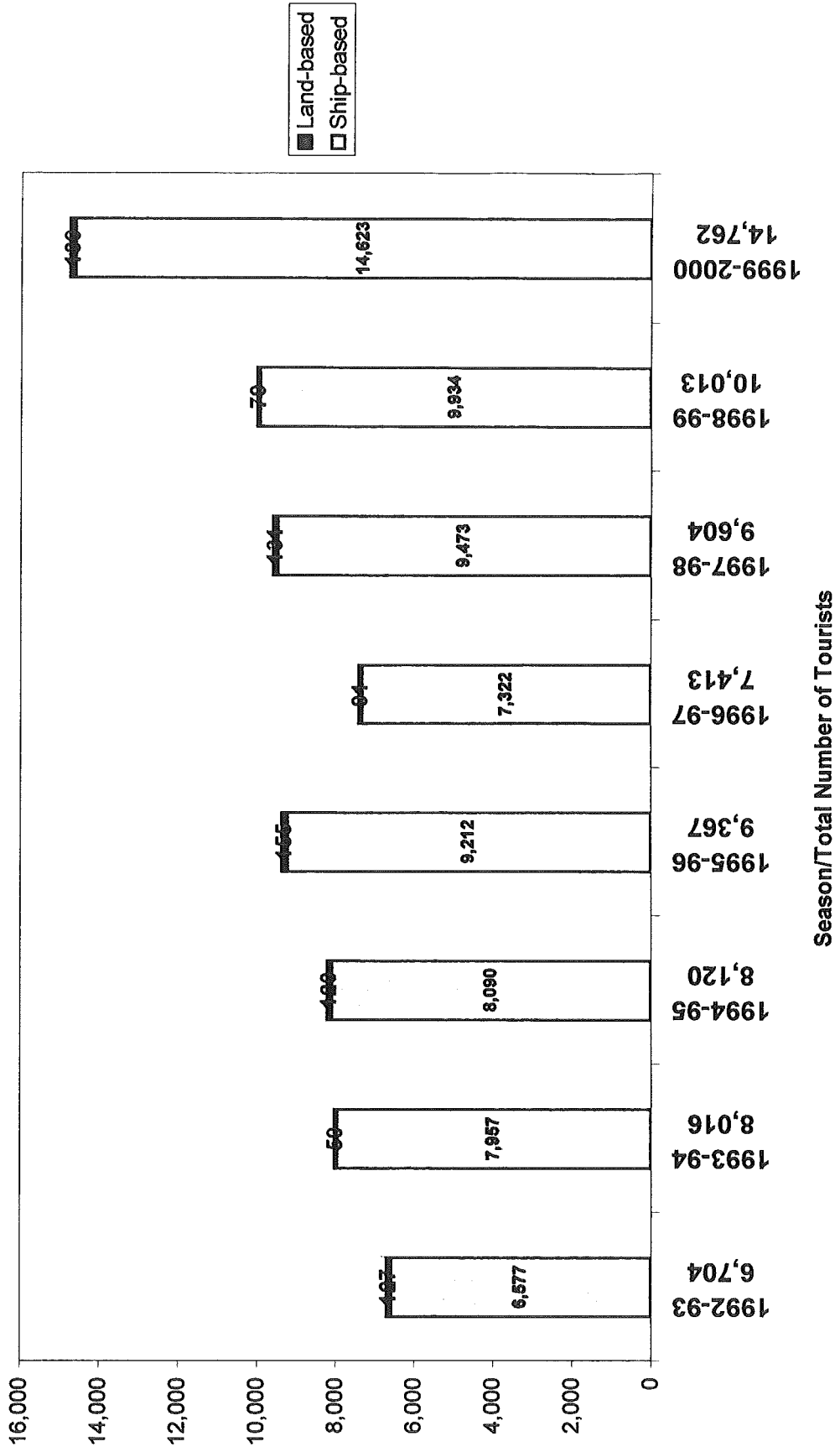
Appendix C

# ANTARCTIC TOURIST TRENDS

[Includes Ship and Land-Based passenger numbers. 1997-98 onwards includes commercial yacht activity]



# ANTARCTIC TOURISTS - SHIP AND LAND-BASED 1992/1993 - 1999/2000

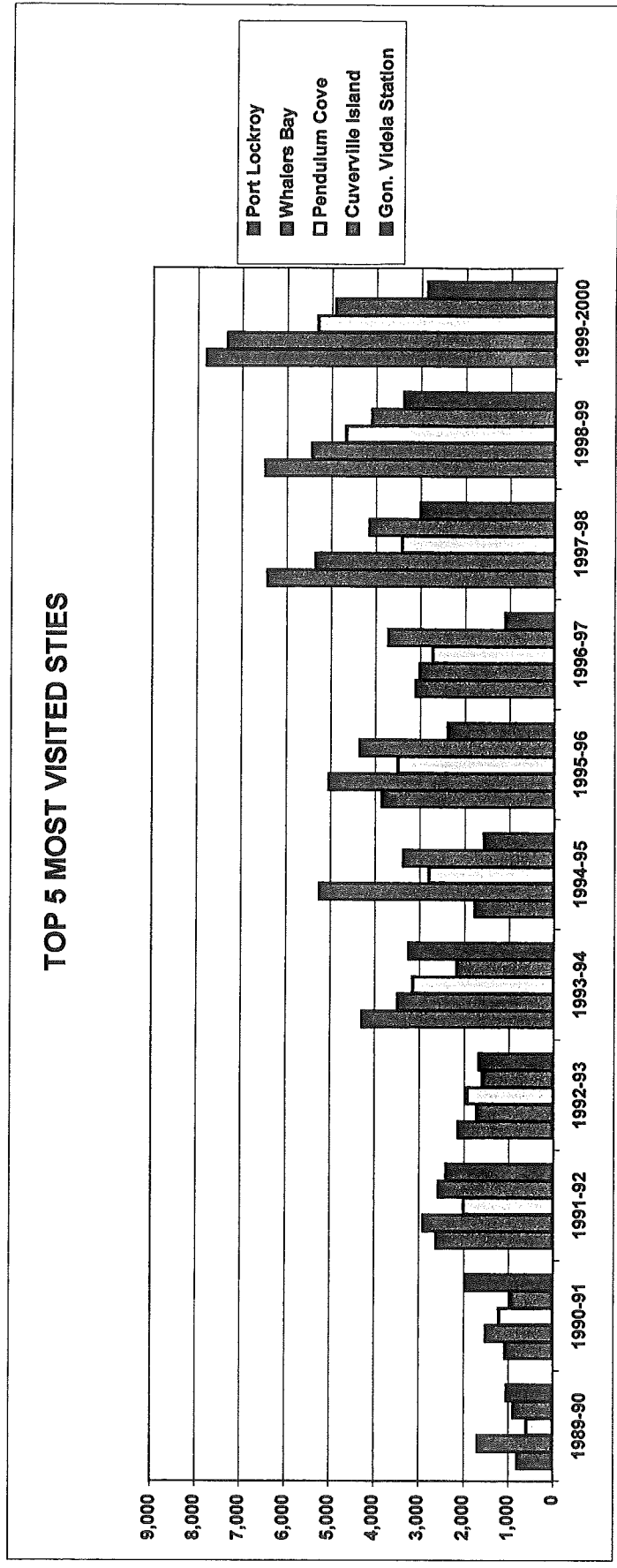


Appendix D

PENINSULA SITES RANKING IN THE TOP 5 MOST VISITED SITES FOR 3 ( MORE OF THE LAST 11 SEASONS )

	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-2000
Port Lockroy	796	1,067	2,615	2,139	4,274	1,769	3,851	3,110	6,429	6,473	7,804
Whalers Bay	1,682	1,496	2,899	1,711	3,480	5,241	5,033	3,012	5,344	5,427	7,333
Cuerville Island	883	936	2,565	1,589	2,174	3,367	4,343	3,714	4,143	4,087	4,908
Gon. Videla Station	1,038	1,965	2,398	1,671	3,248	1,559	2,384	1,095	2,998	3,379	2,871

= Most visited site for that season.

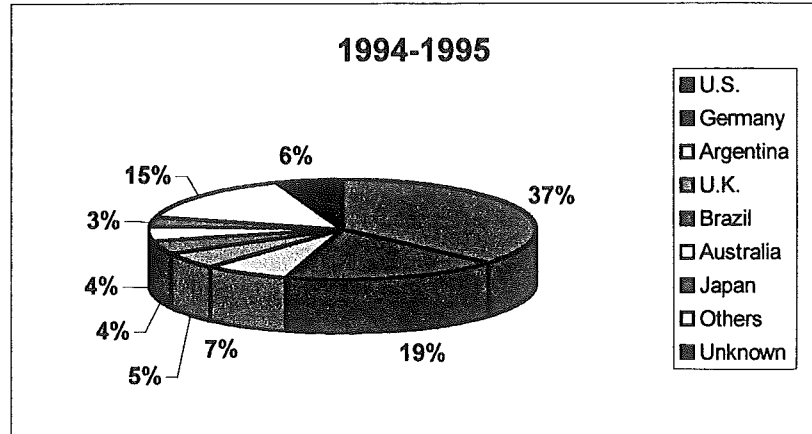


# COMPARISON OF NATIONALITIES (1994/1995 - 1999/2000)

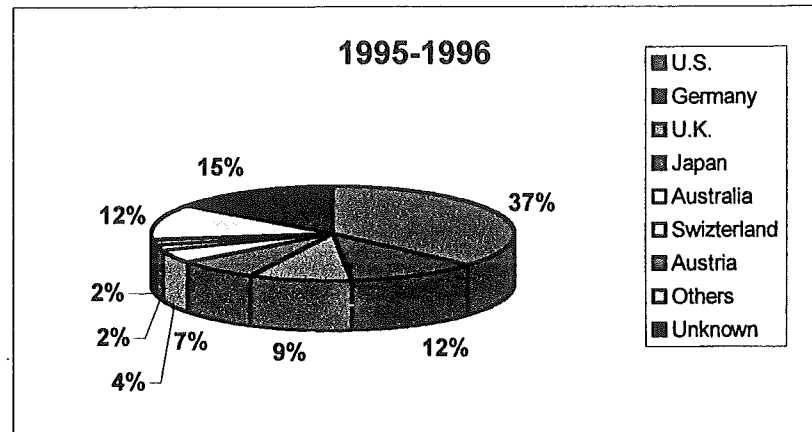
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## Appendix F

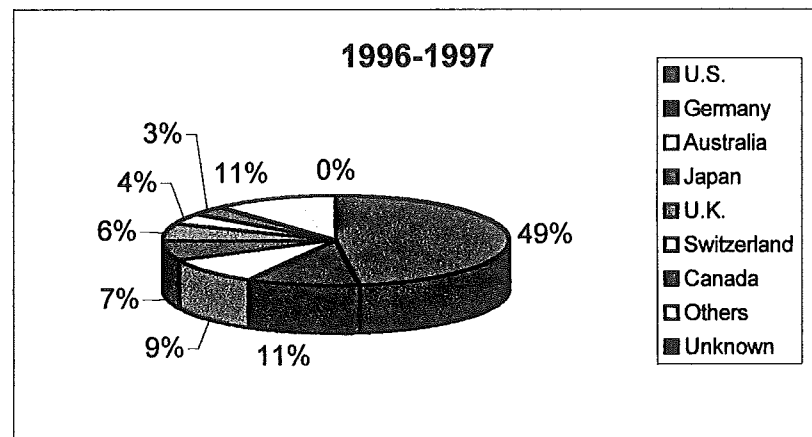
1994-95		%
U.S.	2,985	36.36%
Germany	1,507	18.36%
Argentina	597	7.30%
U.K.	441	5.37%
Brazil	364	4.43%
Australia	356	4.34%
Japan	259	3.12%
Others	1,242	15.13%
Unknown	459	5.59%
<b>Totals</b>	<b>8,210</b>	<b>100.00%</b>



1995-96		%
U.S.	3,382	36.70%
Germany	1,061	11.50%
U.K.	857	9.30%
Japan	661	7.20%
Australia	410	4.50%
Switzerland	192	2.10%
Austria	174	1.90%
Others	1,084	11.70%
Unknown	1,391	15.10%
<b>Totals</b>	<b>9,212</b>	<b>100.00%</b>



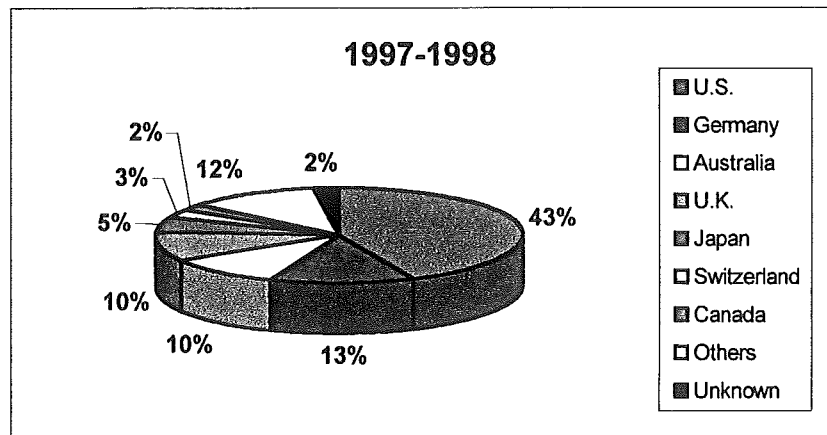
1996-97		%
U.S.	3,503	47.80%
Germany	777	10.60%
Australia	680	9.30%
Japan	510	7.00%
U.K.	475	6.50%
Switzerland	280	3.80%
Canada	254	3.50%
Others	842	11.40%
Unknown	9	0.10%
<b>Totals</b>	<b>7,330</b>	<b>100.00%</b>



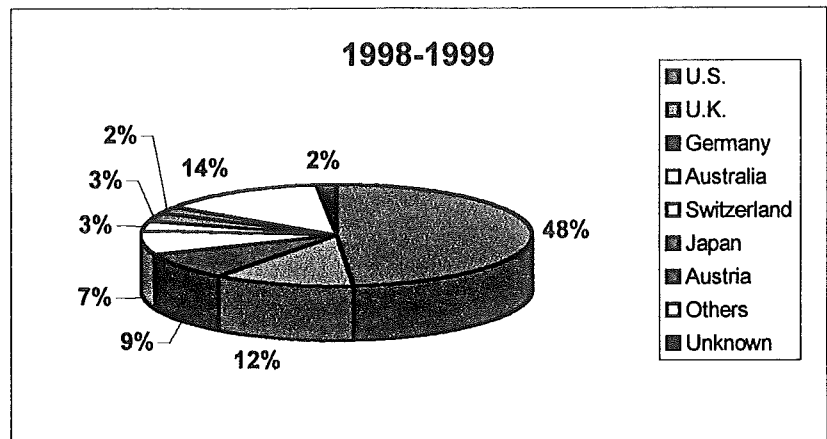
# COMPARISON OF NATIONALITIES (1994/1995 - 1999/2000)

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FINAL

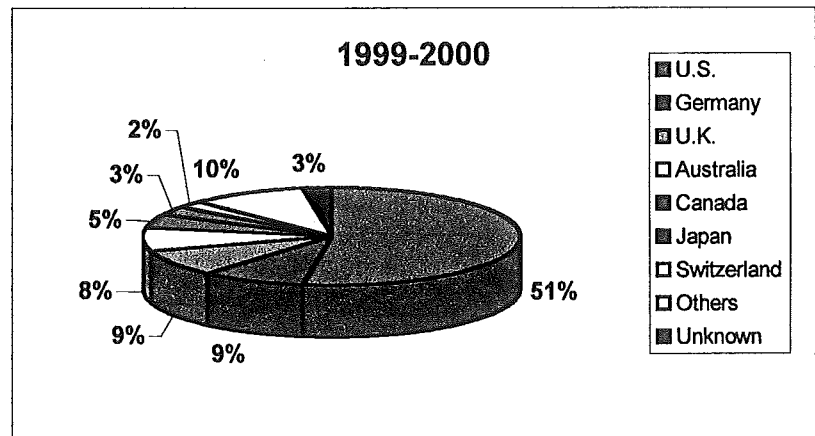
1997-98		%
U.S.	4,149	43.20%
Germany	1,246	12.97%
Australia	989	10.29%
U.K.	963	10.03%
Japan	473	4.93%
Switzerland	258	2.69%
Canada	194	2.02%
Others	1,106	11.52%
Unknown	226	2.35%
<b>Totals</b>	<b>9,604</b>	<b>100.00%</b>



1998-99		%
U.S.	4,865	48.59%
U.K.	1,180	11.78%
Germany	855	8.53%
Australia	749	7.48%
Switzerland	297	2.97%
Japan	290	2.90%
Austria	213	2.13%
Others	1,393	13.91%
Unknown	171	1.71%
<b>Totals</b>	<b>10,013</b>	<b>100.00%</b>



1999-2000		%
U.S.	7,739	52.43%
Germany	1,319	8.93%
U.K.	1,297	8.78%
Australia	1,124	7.61%
Canada	680	4.61%
Japan	432	2.93%
Switzerland	314	2.13%
Others	1,479	10.02%
Unknown	378	2.56%
<b>Totals</b>	<b>14,762</b>	<b>100.00%</b>





17/10/2000

1999-2000 SUMMARY OF PENINSULA SITES VISITED BY TOUR SHIPS

August 22, 2000

FINAL

August 22, 2000	% = snorkeling/scuba	TOTAL # VISITS		TOTAL # PAX		AVG. PAX/VISIT		MAX. DAYS	MIN. DAYS	
		Cruising/helo ONLY	With Landing	Cruising/helo ONLY	Actually Landed	Cruising/helo ONLY	Actually Landed			b/t VISITS
SITES VISITED										
* = zodiac cruising ONLY; # = helo landing										
@ = helo overflight ONLY; ^ = camping										
COMPILED BY NSF FROM INFORMATION PROVIDED BY ANTARCTIC TOUR COMPANIES IN RESPONSE TO TREATY REPORTING REQUIREMENTS										
PORT LOCKROY, WIENCKE IS.			71			7,804		110.0		
WHALEERS BAY, DECEPTION IS.			86			7,333		85.3		
PENDULUM COVE, DECEPTION IS.			57			5,300		93.0		
CUVERVILLE ISLAND			63			4,908		77.9		
NEKO HARBOR, ANDVORD BAY	1*		58		87*	4,794	87.0	82.7		
PAULET ISLAND			49			4,230		88.1		
PETERMANN ISLANDS	2*		48		179*	4,159	85.0	86.6		
AITCHO ISLANDS			42			3,454		82.2		
ALMIRANTE BROWN (STATION), PARADISE BAY			35			3,369		96.3		
GONZ. VIDELA/WATERBOAT PT., PARADISE BAY			15			2,871		191.4		
BAILY HEAD, DECEPTION IS.			31			2,595		83.7		
GRYTVIKEN (STATION), S. GEORGIA			26			2,492		95.8		
GOUDIER ISLAND (small rock in harbor at Port Lockroy)			27			2,246		83.2		
BROWN BLUFF, TABARIN PENIN. (Antarctic Penin.)			29			1,959		67.5		
ARCTOWSKI (STATION), KGI			22			1,901		95.1		
PARADISE BAY (should specify)	17*		22		1448*	1,766	85.2	75.3		
HANNAH POINT, LIVINGSTON IS.			54			1,691		31.3		
VERNADSKY STATION, Argentine Island	1*		23		9* + 1546)	1,585		66.0		
JOUGLA POINT, PORT LOCKROY			22			1,519		69.0		
PENQUIN ISLAND, KGI	1*		17		35*	1,515	35.0	92.5		
GOLD HARBOR, S. GEORGIA			16			1,476		92.3		
HALF MOON ISLAND (MOON BAY)			46			1,454		31.6		
SALISBURY PLAIN, S. GEORGIA			16			1,418		88.6		
ORCADAS/SCOTIA BAY/LAURIE IS., S. ORKNEY			12			1,388		115.7		
DEVIL ISLAND, NE end of Antarctic Peninsula			14			1,270		89.1		
PALMER STATION, ANVERS IS.			12			1,233		102.8		
ESPERANZA STATION, HOPE BAY			12			1,138		94.8		
CAPE LOOKOUT, ELEPHANT IS.	2*		11		148*	1,095	74.0	99.5		
YANKEE HARBOR, GREENWICH IS.			12			1,040		86.7		
CARCASS ISLAND			10			1,018		101.8		
DANCO ISLAND (off west coast Graham Land)			14			993		70.9		
NEW ISLAND, FALKLANDS			10			925		92.5		
ST. ANDREWS BAY, S. GEORGIA			9			911		101.2		
COOPER BAY (north end), S. GEORGIA	2*		11		204*	882	102.0	80.2		
FORTUNA BAY, S. GEORGIA			15			854		56.9		
DAMOY POINT, WIENCKE IS.	3*		9		66* + 730)	796		66.3		
ALBATROSS ISLAND, SOUTH GEORGIA	1*		12		121*	791	121.0	65.9		
WEST POINT ISLAND, FALKLAND IS.			9			736		81.8		

1. Rotterdam VI made no landings.

2. Lyubov Orlova MD005 (Feb. 25-04 Mar. 2000) sites visit not available.

# 1999-2000 SUMMARY OF PENINSULA SITES VISIT L<sub>J</sub> BY TOUR SHIPS

August 22, 2000  
FINAL

August 22, 2000	% = snorkeling/scuba	TOTAL # VISITS		TOTAL # PAX		AVG. PAX/VISIT		MAX. DAYS	MIN. DAYS
		Cruising/helo	With Landing	Cruising/helo	Landed	Cruising/helo	Landed		
* = zodiac cruising ONLY; # = helo landing									
@ = helo overflight ONLY; ^ = camping									
SITES VISITED		ONLY	Landing	ONLY	Landed	ONLY	Landed	b/t VISITS	b/t VISITS
<b>COMPILED BY NSF FROM INFORMATION PROVIDED BY ANTARCTIC TOUR COMPANIES IN RESPONSE TO TREATY REPORTING REQUIREMENTS</b>									
PLENEAU ISLAND	6*		14	408*	730	68.0	52.1		
TORGENSEN ISLAND			8		693		86.6		
STROMNESS BAY, S. GEORGIA			11		661		60.1		
TELEFON BAY, DECEPTION IS.			9		634		70.4		
SEA LION ISLAND, FALKLAND ISLANDS			6		560		93.3		
MIKKELSEN HARBOR, TRINITY ISLAND			9		548		60.9		
CRYSTAL HILL, South-side Trinity Peninsula			6		526		87.7		
HYDRURGA ROCKS			9		501		55.7		
YALOUR ISLANDS	2*		9	185*	496	92.5	55.1		
FORTAL POINT, CHARLOTTE BAY			10		487		48.7		
DORIAN BAY, NW side WIENCKE ISLAND		1^	4	37^ + 414 =	451		90.2		
SNOW HILL ISLAND			5		442		88.4		
FERRAZ (STATION), VISCA ANCHORAGE, KGI			5		387		77.4		
PRION ISLAND, S. GEORGIA (31^)	3*		6	221*	368	73.7	52.6		
ARTURO PRAT (STATION), GREENWHICH IS.			4		358		89.5		
BALD HEAD, TRINITY PENINSULA			3		326		108.7		
PRESIDENTE FREI (STATION), KGI (Marsh Base)			3		290		96.7		
ASTROLABE ISLAND	3*		5	150*	288	50.0	57.6		
TUBANY (STATION), POTTERS COVE, KGI			3		268		89.3		
SUAREZ GLACIER (not Petzval), Paradise Bay	1*		3	83*	263	83.0	87.7		
ROYAL BAY, S. GEORGIA			3		262		87.3		
BELLINGSHAUSEN (STATION), KGI			5		256		51.2		
GOURDIN ISLAND			4		252		63.0		
BLEAKER ISLAND, FALKLAND ISLANDS			2		227		113.5		
SHINGLE COVE, ICEBERG BAY, CORONATION IS.			3		226		75.3		
ELSEHUL BAY, S. GEORGIA	6*		3	435*	197	72.5	65.7		
ROTHERA (STATION), ADELAIDE ISLAND			2		194		97.0		
USEFUL ISLAND			2		193		96.5		
ENTERPRISE ISLANDS	5*		4	481*	186	96.2	46.5		
SKONTORP COVE, PARADISE BAY	2*		4	123*	185	66.5	46.3		
SAUNDERS ISLAND, S. SANDWICH ISLANDS			3		184		61.3		
CIERYA COVE	4*		2	148*	183	37.0	91.5		
RUM COVE, JAMES ROSS ISLAND			2		183		91.5		
GODTHUL BAY, S. GEORGIA			2		167		83.5		
HERCULES BAY, SOUTH GEORGIA	1*		2	49*	164	49.0	82.0		
MIKKELSEN ISLAND			1		163		163.0		
RIGHT WHALE BAY, S. GEORGIA			1		154		154.0		
ORNE HARBOR (west coast Graham Land)		1^	3	30^ + 121 =	151		37.8		

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1999-2000 SUMMARY OF PENINSULA SITES VISITED BY TOUR SHIPS

August 22, 2000

FINAL

August 22, 2000	% = snorkeling/scuba	TOTAL # VISITS		TOTAL # PAX		AVG. PAX/VISIT		AVG. DAYS	MAX. DAYS	MIN. DAYS	
		Cruising/helo ONLY	With Landing	Cruising/helo ONLY	Landed	Cruising/helo ONLY	Landed				b/t VISITS
<b>COMPILED BY NSF FROM INFORMATION PROVIDED BY ANTARCTIC TOUR COMPANIES IN RESPONSE TO TREATY REPORTING REQUIREMENTS</b>											
RONCE ISLAND			3			149				49.7	
ARTIGAS [STATION-Uruguay], KCI			2			147				73.5	
VIEW POINT, DUSE BAY, TRINITY PENINSULA			2			138				69.0	
FORT POINT, S. GREENWICH ISLAND			2			131				65.5	
PLENEAU BAY	8*		2			594*		74.3		65.0	
CRYSTAL SOUND, PENDLETON STRAIT			1			128				128.0	
DECEPTION ISLAND (need to be more specific)	1*		1			117		69.0		117.0	
HORSESHOE ISLAND			1			113				113.0	
LAGARRIGUE COVE (Selvick Cove), ORNIE HARBOR			1			113				113.0	
COOPER BAY (south end), S. GEORGIA			2			111				55.5	
CURTISS BAY, (west coast Graham Land)			2			109				54.5	
ADELAIDE ISLAND			1			107				107.0	
BEAK ISLAND, PRINCE GUSTAV CHANNEL			2			107				53.5	
CAPE DUNDAS, LAURIE IS., S. ORKNEY			1			104				104.0	
MOLKE HARBOR, ROYAL BAY, S. GEORGIA			1			103				103.0	
KING HAakon BAY (OUTER), S. GEORGIA			2			102				51.0	
LEITH COVE, PARADISE BAY, GRAHAM LAND			1			102				102.0	
GREAT WALL (STATION), KCI			1			90				90.0	
INTERCURRENCE ISLAND, CHRISTIANIA ISLANDS	1*		2			41*		41.0		44.5	
TURRET POINT, KING GEORGE BAY, KCI			1			89				89.0	
SPICOT PEAK, ORNE ISLAND			1			87				87.0	
ALCOCK ISLAND			2			86				43.0	
HEROINA ISLAND, DANGER ISLANDS	1*		2			139*		139.0		42.5	
PITT POINT (Victory Glacier)			1			85				85.0	
BISCOE POINT, ANVERS ISLAND (ASPA) off limits			1			64				64.0	
TURNBULL POINT, D'URVILLE ISLAND			1			57				57.0	
BLAZETT ISLAND ???			1			56				56.0	
ROBERT POINT, ROBERT IS., SOUTH SHEILANDS			1			56				56.0	
CAPE ROSA, SOUTH GEORGIA			1			55				55.0	
PITT ISLANDS			1			53				53.0	
PRINCE OLAF HARBOR, S. GEORGIA	1*		1			172*		172.0		52.0	
HERCULES POINT, SOUTH GEORGIA			1			52				52.0	
PEGGOITY BLUFF, SOUTH GEORGIA			1			51				51.0	
BOOTH ISLAND			1			50				50.0	
LARSEN HARBOR, S. GEORGIA	4*		1			357*		89.3		49.0	
MT. MILL, WADDINGTON BAY (w. coast Graham Land)			1			48				48.0	
VOLUNTEER POINT, FALKLANDS (?)			1			47				47.0	
POSSESSION BAY, SOUTH GEORGIA			1			45				45.0	

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# 1999-2000 SUMMARY OF PENINSULA SITES VISITED BY TOUR SHIPS

August 22, 2000  
FINAL

August 22, 2000	% = snorkeling/scuba * = zodiac cruising ONLY; # = helo landing @ = helo overflight ONLY; ^ = camping	TOTAL # VISITS		TOTAL # PAX		AVG. PAX/VISIT		MAX. DAYS b/t VISITS	MIN. DAYS b/t VISITS
		Cruising/helo ONLY	With Landing	Cruising/helo ONLY	Landed	Cruising/helo ONLY	Landed		
<b>COMPILED BY NSF FROM INFORMATION PROVIDED BY ANTARCTIC TOUR COMPANIES IN RESPONSE TO TREATY REPORTING REQUIREMENTS</b>									
CUMBERLAND EAST BAY, SOUTH GEORGIA			1				44		44.0
LAWS BEACH ?????			1				44		44.0
DUNDEE ISLAND			1				42		42.0
CHARLOTTE BAY			1				41		41.0
PATAGONIA BAY, ANVERS ISLAND			1				41		41.0
EZCURRA INLET, ADMIRALTY BAY, KGI			1				39		39.0
LEITH HARBOR, S. GEORGIA			1				39		39.0
SEYMOUR ISLAND			1				37		37.0
LEIGE ISLAND			1				36		36.0
LAURIE IS., S. ORKNEYS (specify)			1				35		35.0
INVERLEITH HARBOR, ANVERS ISLAND			1				34		34.0
PERCH ISLAND, FISH ISLANDS			1				34		34.0
CAPE RENARD, FLANDRES BAY	1*		1		70*			70.0	28.0
NORDENSKJOLD GLACIER, SOUTH GEORGIA			1				20		20.0
DETAILE ISLAND	3*		1		212*		5	70.7	5.0
ORNE ISLANDS (off west coast Graham Land)			1				1		1.0
POINT WILD, ELEPHANT IS.	12*				1180*			93.3	
MELCHIOR ISLANDS	12*				997*			83.1	
ARDLEY ISLAND	1*				451*			451.0	
HOVGAARD ISLAND	1*				384*			384.0	
CHRISTIANIA ISLANDS	4*				207*			51.8	
WILHELMINA BAY (w. Coast of Graham Land)	4*				168*			42.0	
DRYGALSKI FJORD, S. GEORGIA	2*				158*			123.0	
DION ISLANDS (SPA #8)	1*				104*			104.0	
PROSPECT POINT, GRAHAM LAND	1*				104*			104.0	
DALLMANN BAY (b/t Brabant & Anvers Islands)	2*				102*			51.0	
FISH ISLANDS (west coast Graham Land)	1*				96*			96.0	
CAPE VALENTINE, ELEPHANT IS.	3*				93*			31.0	
GIBBON BAY, CORONATION ISLAND	1*				84*			84.0	
BARCROFT ISLANDS (S. of Watkins & Biscoe Is.	1*				74*			74.0	
ROSTA HARBOR, S. GEORGIA	1*				52*			52.0	
PORT CHARCOT, BOOTH ISLAND	1*				51*			51.0	
ERRERA CHANNEL (b/t Ronge Is. & Graham Land)	1*				31*			31.0	
ANDERSEN ISLAND	1*				20*			20.0	

1. Rotterdam VI made no landings.

2. Lyubov Orlova MD005 (Feb. 25-04 Mar. 2000) sites visit not available.

# ELEVEN SEASON (1999-2000) OVERVIEW OF SITES VISITED IN THE ARCTIC PENINSULA

Appendix 17

August 22, 2000

DATE	1999-01		1999-02		1999-03		1999-04		1999-05		1999-06		1999-07		1999-08		1999-09		1999-00		
	TOTAL # VISITS	TOTAL # PAK-LANDS	TOTAL # VISITS	TOTAL # PAK-LANDS	TOTAL # VISITS	TOTAL # PAK-LANDS	TOTAL # VISITS	TOTAL # PAK-LANDS	TOTAL # VISITS	TOTAL # PAK-LANDS	TOTAL # VISITS	TOTAL # PAK-LANDS	TOTAL # VISITS	TOTAL # PAK-LANDS	TOTAL # VISITS	TOTAL # PAK-LANDS	TOTAL # VISITS	TOTAL # PAK-LANDS	TOTAL # VISITS	TOTAL # PAK-LANDS	
PORT LOCKROY, WIENCKE IS	7	756	19	2615	22	574	21	1758	42	216*	385	17	22	55	122*	647	71	6473	71	7804	
WHALEYS BAY, DECEPTION IS	17	1682	23	2899	22	1711	37	5621	66	3624	67	5216*	60	46*	6429	17	5427	86	5364	7333	
PENDULUM COVE, DECEPTION IS	10	1215	19	2011	23	1936	33	3159	41	3624	47	3624	31	3012	31	3012	69	3102	50	3426	
CLUVERVILLE ISLAND	8	883	21	2465	25	1887	27	3387	41	144*	55	259*	56	186*	56	186*	50	10%	50	5300	
NEKO HARBOR, ANDVORD BAY	7	772	14	2239	8	387	6	275	21	144*	31	3624	27	1737	37	1115*	42	197*	37	4087	
PATERMAN ISLANDS	7	1488	16	1488	16	1488	18	265*	30	3018	31	3624	8	732	31	1115*	37	1115*	48	4794	
AUTOHIS BROWNS (STATION), PARADISE BAY	2	271	0	0	0	0	211	211	10	450	47	3624	42	3175	38	167*	38	167*	42	4195	
ALMIRANTE IRONWOOD (STATION), PARADISE BAY	10	1191	16	2889	19	1659	31	3613	43	365*	51	3624	37	2499	31	2499	17	1612	35	3454	
GONZ VIDEA WATERBOAT PT., PARADISE BAY	9	1038	15	2366	17	1307	17	3307	20	539*	14	2384	34	145*	39	3591	17	1612	35	3454	
BALLY HEAD, DECEPTION IS	5	455	10	1182	10	30*	6	667	23	132*	25	1094	12	2598	20	1395	20	1395	15	2871	
GRITVIKEN (STATION), S. GEORGIA	4	501	6	743	4	161	6	745	5	745	19	1094	19	1395	19	1395	20	1395	15	2871	
GOULDER ISLAND (small rock n harbor at Port Lockroy)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
BROWN BLUFF, TABARAN PENIN (Antarctic Peninsula)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
ARCTOWSKI (STATION), KGI	6	601	14	1509	10	588	30	3031	31	47*	2445	21	1724	17	135*	15	96*	15	96*	27	2426
PARADISE BAY (ghost speck)	2	192	17	1532	23	1542	25	142*	46	4010	46	4010	22	1789	22	1789	14	109	29	1959	
HANNAH POINT, LIVINGSTON IS.	3	419	17	1532	23	1542	25	142*	46	4010	46	4010	22	1789	22	1789	14	109	29	1959	
VERNADESAY STATION, Argentine Island																					
FOUSLA POINT, PORT LOCKROY																					
PENQUIN ISLAND, KGI	3	256	0	0	7	506	11	62*	24	1652	23	1449	5	102	5	102	16	114	22	1519	
HALF MOON ISLAND (MOON BAY)	10	1191	9	1011	14	1586	17	2681	58	3017	49	5221	12	169*	12	169*	20	1744	16	135*	
GOLD HARBOR, S. GEORGIA	3	274	3	203	0	0	4	369	3	369	4	438	5	438	3	369	33	4382	33	4454	
ORCADAS/SCOTIA BAY/LAURIE IS., S. ORKNEY	3	274	3	203	0	0	4	369	3	369	4	438	5	438	3	369	33	4382	33	4454	
SAULSBURY PLAIN, S. GEORGIA	4	412	4	307	3	128	2	184	6	582	3	215	5	352	2	199	4	452	12	1386	
DEWIL ISLAND, NE end of Antarctic Peninsula	11	1252	9	1265	9	1014	10	1185	9	1030	8	724	11	979	14	1417	12	1001	12	1233	
ESPERANZA STATION, ANVERS IS	5	541	2	124	4	118*	21	21*	9	103*	9	424	9	431*	8	442	9	270*	9	1103	
CAPE LOOKOUT, ELEPHANT IS																					
YANKEE HARBOR, GREENWICH IS.																					
CARLOSS ISLAND																					
DANCO ISLAND (off west coast Graham Land)																					
NEW ISLAND, FALKLANDS																					
ST. ANDREW'S BAY, S. GEORGIA																					
COOPER BAY (north end), S. GEORGIA																					
FORTLUNA BAY, S. GEORGIA																					
DANDY POINT, WIENCKE IS																					
ALBATROSS ISLAND, SOUTH GEORGIA																					
WEST POINT ISLAND, FALKLAND IS.																					
PLENEAU ISLAND																					
TORRESBERG ISLAND																					
STANBRES BAY, S. GEORGIA																					
TELFORD BAY, DECEPTION IS																					
VEA LOR ISLAND, FALKLAND ISLANDS																					
WIKKELSEN HARBOR, TRINITY ISLAND																					
CRYSTAL HILL, Southside Trinity Peninsula																					
TORNGRAV ROCKS																					
ALOUAR ISLANDS																					
PORTAL POINT, CHARLOTTE BAY																					
DUNNAN BAY, NW end WIENCKE ISLAND																					
FERRAZ (STATION), VIJCA ANCHORAGE, KGI																					
PRIGN ISLAND, S. GEORGIA																					
ARTURO PRAT (STATION), GREENWICH IS																					
BALD HEAD, TRINITY PENINSULA																					
RESIDENTE PRE (STATION), KGI (Marsh Base)																					
ASTHOLAR (STATION), POTTER'S COVE, KGI																					
JUBARANT (STATION), POTTER'S COVE, KGI																					
SUAREZ GLACIER (off Ferraz), Paradise Bay																					
ROYAL BAY, S. GEORGIA																					
BELTINGSHAUSEN (STATION), KGI																					
GOUDIN ISLAND																					
BLEAGER ISLAND, FALKLAND ISLANDS																					
SHINGLE COVE, ICEBERG BAY, COORDINATION IS																					
ELSEHUL BAY, S. GEORGIA																					
ROTHEVA (STATION), ADELAIDE ISLAND																					
UREFUL ISLAND																					
ENTERPRISE ISLANDS																					
SKONTORF COVE, PARADISE BAY																					
SAUNDERS ISLAND, S SANDWICH ISLANDS																					
CIERVA COVE																					
ROM COVE, JAMES ROSS ISLAND																					
GODHULL BAY, S. GEORGIA																					
HERCULES BAY, SOUTH GEORGIA																					
MIRKELSEN ISLAND																					

ELEVEN SEASON (1999-2000) OVERVIEW OF SITES VISITED IN THE ARCTIC PENINSULA

August 22, 2000

SITES VISITED	1999-00		1999-01		1999-02		1999-03		1999-04		1999-05		1999-06		1999-07		1999-08		1999-09		1999-2000	
	TOTAL # VISITS	PAKLANDED VISITS	TOTAL # VISITS	PAKLANDED VISITS	TOTAL # VISITS	PAKLANDED VISITS	TOTAL # VISITS	PAKLANDED VISITS	TOTAL # VISITS	PAKLANDED VISITS	TOTAL # VISITS	PAKLANDED VISITS	TOTAL # VISITS	PAKLANDED VISITS	TOTAL # VISITS	PAKLANDED VISITS	TOTAL # VISITS	PAKLANDED VISITS	TOTAL # VISITS	PAKLANDED VISITS	TOTAL # VISITS	PAKLANDED VISITS
RIGHT WHALE BAY, S. GEORGIA	1	0	1	0	0	0	0	0	0	0	117	1*	38*	1	3*	266	1*	127*	1*	105*	72	1
ORNE HARBOR (west coast Graham Land)																						
RONNE ISLAND																						
ARTIGAS (STATION U-ukuy), KGI																						
VIEW POINT, DUSE BAY, TRINITY PENINSULA																						
PORT POINT, S. GREENWICH ISLAND																						
PLENEAU BAY																						
CRYSTAL SOUND, PENDLETON STRAIT (Bacone Is.)																						
DECEPTION ISLAND (used to be more species)																						
HORSESHOE ISLAND																						
LAGARRIE COVE (Salwick Cove), ORNE HARBOR																						
GOOPER BAY (south end), S. GEORGIA																						
CURTISS BAY (west coast Graham Land)																						
ADELAIDE ISLAND																						
BEAK ISLAND, PRINCE GUSTAV CHANNEL																						
CAPE DUNDAS, LAURIE IS., S. ORKNEY																						
WOLFE HARBOR, ROYAL BAY, S. GEORGIA																						
KING HARBOR BAY (OUTER), S. GEORGIA																						
LITH COVE, PARADISE BAY, GRAHAM LAND																						
GREAT WALL (STATION), KGI																						
INTERCURRENCE ISLAND, CHRISTIANIA ISLANDS																						
TURBOT POINT - KING GEORGE BAY, KGI																						
SPIGOT PEAK, ORNE ISLAND																						
ALCOCK ISLAND																						
HERONIA ISLAND, DANGER ISLANDS																						
PIT POINT (OIGOP Glacier)																						
BISCOE POINT, ANDERSON ISLAND (ASP) off Innie																						
RESOLUTION POINT, DURVILLE ISLAND																						
BURZETT ISLAND 17																						
ROBERT POINT, ROBERT IS., SOUTH SHEPHERD ISLANDS																						
CAPE ROSA, SOUTH GEORGIA																						
PIT ISLANDS																						
HERCULES POINT, SOUTH GEORGIA																						
PRINCE OLAF HARBOR, S. GEORGIA																						
PEGGOTT BLUFF, SOUTH GEORGIA																						
BODDY ISLAND																						
LARSEN HARBOR, S. GEORGIA																						
Mt. MILL, WADGINGTON BAY (w. coast Graham Land)																						
VOLUNTEER POINT, FALKLANDS (?)																						
POSSESSION BAY, SOUTH GEORGIA																						
CUMBERLAND EAST BAY, SOUTH GEORGIA																						
LAW'S BEACH 177777																						
DUDEE ISLAND																						
CHARLOTTE BAY																						
PATAGONIA BAY, ANVERS ISLAND																						
EZCURRA INLET, ADMIRALTY BAY, KGI																						
LEITH HARBOR, S. GEORGIA																						
SEYMOUR ISLAND																						
LEICR ISLAND																						
INVERLEITH HARBOR, ANVERS ISLAND																						
PERCH ISLAND, FISH ISLANDS																						
CAPE RENARD, FLANDRES BAY																						
NORDEKSCOLD GLACIER, SOUTH GEORGIA																						
DETAILLE ISLAND																						
ORNE ISLANDS (off west coast Graham Land)																						
POINT WILD, ELEPHANT IS.																						
MELCHOR ISLANDS																						
ARDLEY ISLAND																						
HOUWARD ISLAND																						
CHRISTIANIA ISLANDS																						
WILHELMINA BAY (w. Coast of Graham Land)																						
DRYGALSKI FJORD, S. GEORGIA																						
DION ISLANDS (SPAMB)																						
PROSPECT POINT, GRAHAM LAND																						
DALLMANN BAY (B/T Strabitt & Anvers Islands)																						
FISH ISLANDS (west coast Graham Land)																						
CAPE VALENTINE, ELEPHANT IS.																						
GIBBON BAY, CORONATION ISLAND																						
BARROFF ISLANDS (S of Walkers and Biscoe Is.)																						
ROSTIA HARBOR, S. GEORGIA																						
PORT CHARCOOT, BOOTH ISLAND																						
ERRERA CHANNEL (B/T Ronget Is. & Graham Land)																						
ANDERSEN ISLAND																						

ELEVEN SEASON 1999-2000 OVERVIEW OF SITES VISITED IN THE / ARCTIC PENINSULA

August 22, 2000

Site Name	1989-90		1990-91		1991-92		1992-93		1993-94		1994-95		1995-96		1996-97		1997-98		1998-99		1999-2000	
	TOTAL # VISITS	TOTAL # PACKAGED VISITS	TOTAL # VISITS	TOTAL # PACKAGED VISITS	TOTAL # VISITS	TOTAL # PACKAGED VISITS	TOTAL # VISITS	TOTAL # PACKAGED VISITS	TOTAL # VISITS	TOTAL # PACKAGED VISITS	TOTAL # VISITS	TOTAL # PACKAGED VISITS	TOTAL # VISITS	TOTAL # PACKAGED VISITS	TOTAL # VISITS	TOTAL # PACKAGED VISITS	TOTAL # VISITS	TOTAL # PACKAGED VISITS	TOTAL # VISITS	TOTAL # PACKAGED VISITS	TOTAL # VISITS	TOTAL # PACKAGED VISITS
ADMIRALTY SOUND, BT Seymour & Snow Hill Islands																						
APPLE BAY, S. GEORGIA	1	88	0	0	0	0	0	0	0	0	1*	95*	1*	185	3	185						
ANDVORD BAY (west coast Graham Land)																						
ANTARCTIC SOUND																						
ARAGO GLACIER, ANDVORD BAY																						
ARGENTINE IS (not same as Faraday)																						
ATA ICEPORT, QUEEN MAUD LAND																						
AUGUSTE ISLAND, GERLACHE STRAIT	1	142	2	88	2	189	1	46	1*	105*	100	3	111									
BAY OF ISLES, ALBATROSS IS., S. GEORGIA																						
BEAVER ISLANDS (off west coast Graham Land)																						
BENNETT ISLANDS, HANUSSE BAY																						
BERNARDO O'HIGGINS BASE																						
BERTHELOT ISLANDS																						
BISMARCK STRAIT																						
BLAKLOCK ISLAND (off west coast Graham Land)																						
BONE BAY, TRINITY PENINSULA																						
BONGRAIN POINT, POURTOO PAS ISLAND																						
BRADBROOKE ISLAND, ATCHHO IS.																						
BRANSFIELD STRAIT																						
BRUNONIA GLACIER																						
BRIDE ISLAND (SW of Lemaire Island)																						
BULLS BAY, BRABANT ISLAND																						
CAMARA STATION (ATC.), HALF MOON ISLAND																						
CAMP POINT, West Coast Graham Land																						
CAPE DUBOUIZET																						
CAPE EVANSON (west coast Graham Land)																						
CAPE GAGE, JAMES ROSS ISLAND																						
CAPE KJELLMAN, CHARCOT BAY, Trinity Penn																						
CAPE LACHMAN, JAMES ROSS ISLAND																						
CAPE MELVILLE, KGI																						
CAPE NORVEGIA, QUEEN MAUD LAND																						
CAPE SAUNDERS, HERCULES BAY, S. GEORGIA																						
CAPE TUVEN, UT, DEMARIA (sw coast Graham Land)																						
CHALLENGER ISLAND (off west coast Graham Land)																						
COBBLE ISLAND, S. GEORGIA																						
COBBLE ISLAND, JAMES ROSS ISLAND																						
COOPER ISLAND, S. GEORGIA																						
CORONATION ISLAND																						
CORONATION ISLAND, S. ORKNEYS (specy)																						
CRESCENT ISLAND, SOUTH GEORGIA																						
DANGER ISLANDS																						
DURVILLE MOUNT, JOINVILLE ISLAND																						
DUTHOIT POINT, MAXWELL BAY, NELSON ISLAND																						
ELEPHANT ISLAND (English specy)																						
Emperor Roostery (no name - on Rise-Larsen (ice shelf))																						
FALSBY BAY, L'UNION ISLAND																						
FARADAY (Station)/ARADOMIC VEINRODSKY																						
FILDES PENINSULA																						
FLANDERS BAY (Bawn Capes Herard & Willers, Graham Land)																						
FOYH HARBOR																						
FRIJOLIO SOUND (Isbarn Peninsula)																						
FOURMAREL BAY, DECEPTION IS																						
GABRIEL DE CASTILLA STATION (Deception Island)																						
GASTON ISLANDS (near tip Isbarn Peninsula)																						
GENWAUD COVE, INTERCOURSE ISLAND																						
GEORGE'S POINT, RONCE ISLAND																						
GERLACHE STRAIT																						
IGBBS ISLAND, SOUTH SHETLAND IS																						
IGR COVE, JAMES ROSS ISLAND																						
IGULUNG ISLANDS																						
GRANDIDIER CHANNEL																						
HANUSSE BAY																						
HEIM GLACIER, ARROWSMITH PEN (Graham Land)																						
HOLLOWICKIE BAY, JAMES ROSS ISLAND																						
HOLLUSCHICKIE BAY, JAMES ROSS ISLAND																						
HOPPE BAY (ESPERANZA)																						
HUEWAL ISLAND (Megapeters Is.)																						
HUSVIK HARBOR, S. GEORGIA																						
INNER LEE ISLAND, BAY OF ISLES, S. GEORGIA																						
JAMES ROSS ISLAND																						
JOINVILLE ISLAND "Micheleow Beach"																						







APPENDIX I

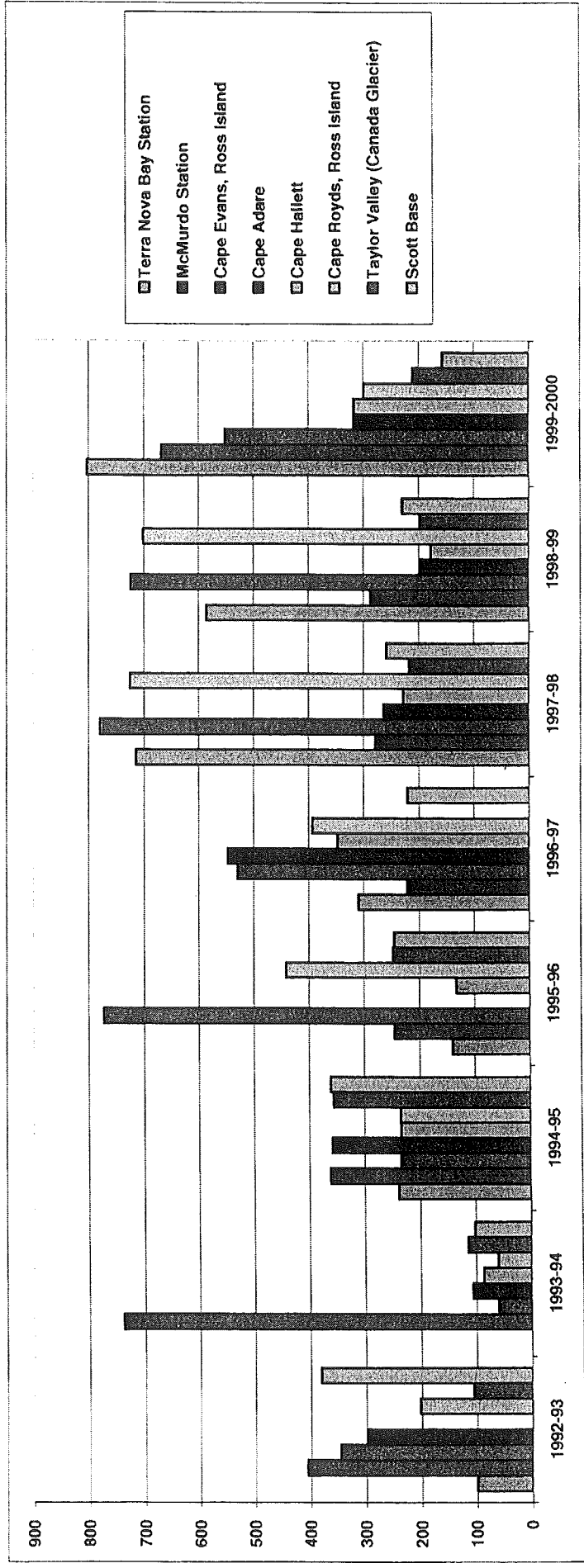
June 13, 2000

1999-2000 SUMMARY OF CONTINENTAL SITES VISITED BY TOUR SHIPS

JUNE 13, 2000 # = helo landing * = zodiac cruising ONLY; @ = helo overflight ONLY SITES VISITED	TOTAL # VISITS		TOTAL # PAX		AVG. PAX PER VISIT	AVG. DAYS b/t VISITS	MAX. DAYS b/t VISITS	MIN. DAYS b/t VISITS
	Cruising ONLY	With Landing	Cruising ONLY	Actually Landed				
*** COMPILED BY NSF FROM INFORMATION PROVIDED BY ANTARCTIC TOUR OPERATORS AND IAATO MEMBERS IN RESPONSE TO TREATY REPORTING REQUIREMENTS ***								
TERRA NOVA BAY STATION	1#	4	98# + 705#	803	160.6			
MCMURDO STATION, ROSS ISLAND	1#	2	19# + 549#	668	222.7			
CAPE EVANS, ROSS ISLAND	1#	1#	98# + 454#	552	110.4			
CAPE HALLETT Station	1#	1#	97# + 220#	317	105.7			
ENDERBY ISLAND		4		317	79.3			
CAPE ADARE	1#		95# + 218#	313	78.3			
CAPE ROYDS, ROSS ISLAND	2#		94# + 105#	299	57.3			
BUCKLES BAY, MACQUERIE IS.		3		259	86.3			
SANDY BAY, MACQUERIE IS.		3		258	86.0			
CAMPBELL ISLAND		2		216	63.0			
TAYLOR VALLEY		2#		211#	105.5			
SCOTT BASE, ROSS ISLAND	1#	1	107# + 51#	158	79.0			
DRYGALSKI ICE TONGUE	1#			113#	113.0			
FRANKLIN ISLAND	1#	2	77# + 64#	141	47.0			
COULMAN ISLAND		1#		97#	97.0			
CAPE WASHINGTON		1#		95#	95.0			
POSSESSION ISLAND		2		91	45.5			
CAPE BIRD, ROSS ISLAND	1*	2	420*	63	31.5			
ROSS ICE SHELF		1#		59#	59.0			
INEXPRESSIBLE ISLAND		1		47	47.0			
DISCOVERY HUT, HUT POINT		1		40	40.0			
EREBUS COVE, AUCKLAND ISLAND		1		29	29.0			
SOUTHWEST CAPE, AUCKLAND IS.		1		26	26.0			
TAGUA BAY, AUCKLAND ISLAND ???		1		23	23.0			
LUSITANIA BAY, MACQUERIE IS.	2*		101*					
STURGE ISLAND	1*		81*					
SNARES ISLAND	1*		46*					

# TOP 8 CONTINENTAL SITES VISITED OVER THE PAST 8 SEASONS

	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-2000
Terra Nova Bay Station	100	0	239	140	309	715	586	803
McMurdo Station	406	738	361	245	221	278	287	668
Cape Evans, Ross Island	346	60	235	773	529	779	724	552
Cape Adare	298	106	358	0	547	263	197	317
Cape Hallett	0	88	234	133	347	228	178	217
Cape Royds, Ross Island	203	60	235	441	393	725	701	299
Taylor Valley (Canada Glacier)	106	114	356	217	0	217	189	211
Scott Base	361	102	361	245	271	208	200	159





# 1999-2000 NATIONALITIES OF SEABORNE AND LAND-BASED ANTARCTIC TOURISTS

August 22, 2000  
FINAL

	TOTALS	Aegean I	Akademik Iofe	Akademik Shokalskiy	Akademik Shuleykin	Akademik Vavilov	Boris Petrov	Bremen	Caledonian Star	Clipper Adventurer	Explorer	Grigory Mikheev	Hanseatic	Kapitan Khebnikov	Lyubov Orlova	Marco Polo
Venezuela	2	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0
Albania	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Costa Rica	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Egypt	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Ethiopia	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Greenland	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Indonesia	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jordan	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oman	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peru	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
U. Arab Emirates	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<b>TOTALS</b>	<b>14,762</b>	<b>912</b>	<b>828</b>	<b>89</b>	<b>350</b>	<b>565</b>	<b>791</b>	<b>1,008</b>	<b>198</b>	<b>453</b>	<b>366</b>	<b>153</b>	<b>565</b>	<b>390</b>	<b>873</b>	<b>933</b>



# 1999-2000 NATIONALITIES OF SEABORNE AND LAND-BASED ANTARCTIC TOURISTS

August 22, 2000  
FINAL

Ocean Explorer I	Professor Melchior	Professor Murtamovskiy	Rotterdam	World Discoverer	Sail Boats	Land Based	TOTALS
0	0	0	0	0	0		2
0	0	0	0	0	0		1
0	0	0	0	0	0		1
0	0	0	0	0	0		1
0	0	0	0	0	0		1
0	0	0	0	0	0		1
1	0	0	0	0	0		1
1	0	0	0	0	0		1
0	0	0	0	0	0		1
0	0	0	0	0	0		1
0	0	0	0	0	0		1
0	0	0	0	0	0		1
0	0	0	0	0	0		1
936	89	350	889	912	237	139	14,762

# 1999-2000 SUMMARY OF SEABORNE\* AND LAND-BASED ANTARCTIC TOURISM

August 22, 2000  
FINAL

*Hypocrite n c*

ID	Vessel	Operator	Pax	Staff	Crew
EX-929	Explorer	A&K/Explorer Ship.	47	16.0	61.0
EX-930	Explorer	A&K/Explorer Ship.	85	13.0	62.0
EX-931	Explorer	A&K/Explorer Ship.	71	14.0	62.0
EX-932	Explorer	A&K/Explorer Ship.	34	12.0	62.0
EX-933	Explorer	A&K/Explorer Ship.	86	13.0	62.0
EX-001	Explorer	A&K/Explorer Ship.	79	12.0	62.0
EX-002	Explorer	A&K/Explorer Ship.	101	12.0	63.0
EX-003	Explorer	A&K/Explorer Ship.	100	12.0	62.0
EX-004	Explorer	A&K/Explorer Ship.	86	14.0	62.0
EX-005	Explorer	A&K/Explorer Ship.	75	13.0	62.0
			<b>764</b>	<b>13.1</b>	<b>62.0</b>

ID	Vessel	Operator	Pax	Staff	Crew
WD-92111	W. Discoverer	Society Expeditions	126	10.0	78.0
WD-90212	W. Discoverer	Society Expeditions	113	9.0	77.0
WD-91912	W. Discoverer	Society/Zegrahm	96	10.0	81.0
WD-00501	W. Discoverer	Society Expeditions	129	11.0	79.0
WD-01501	W. Discoverer	Society Expeditions	123	12.0	79.0
WD-00202	W. Discoverer	Society Expeditions	124	12.0	78.0
WD-02002	W. Discoverer	Society Expeditions	117	12.0	79.0
			<b>828</b>	<b>10.9</b>	<b>78.7</b>

ID	Vessel	Operator	Pax	Staff	Crew
CA-93047	C. Adventurer	Clipper Cruise Line	91	13.0	69
CA-93048	C. Adventurer	Clipper Cruise Line	75	11.0	69
CA-93049	C. Adventurer	Clipper Cruise Line	100	12.0	71
C 904	C. Adventurer	Zegrahm Exp.	88	14.0	75
C J02	C. Adventurer	Clipper Cruise Line	103	14.0	68
CA-03003	C. Adventurer	Clipper Cruise Line	101	14.0	68
CA-03004	C. Adventurer	Clipper Cruise Line	88	15.0	68
CA-03005	C. Adventurer	Clipper Cruise Line	104	14.0	69
			<b>750</b>	<b>13.4</b>	<b>69.6</b>

ID	Vessel	Operator	Pax	Staff	Crew
CS-4925	Caledonian Star	Lindblad Expeditions	82	9.0	68
CS-4000	Caledonian Star	Lindblad Expeditions	77	9.0	68
CS-4001	Caledonian Star	Lindblad Expeditions	107	10.0	67
CS-4002	Caledonian Star	Lindblad Expeditions	85	12.0	65
CS-4003	Caledonian Star	Lindblad Expeditions	100	11.0	65
CD4004	Caledonian Star	Lindblad Expeditions	72	12.0	65
			<b>523</b>	<b>10.5</b>	<b>66.3</b>

ID	Vessel	Operator	Pax	Staff	Crew
MP-991223	Marco Polo	Orient Lines	581	16.0	359
MP-050100	Marco Polo	Orient Lines	454	16.0	358
MP-130100	Marco Polo	Orient Lines	496	16.0	354
MP-210100	Marco Polo	Orient Lines	568	16.0	352
MP-290199	Marco Polo	Orient Lines	484	16.0	352
			<b>2,583</b>	<b>16.0</b>	<b>355.0</b>

ID	Vessel	Operator	Pax	Staff	Crew
MLT-181199	P. Multanovsky	Quark Expeditions	39	7.0	24
MLT-061299	P. Multanovsky	Quark Expeditions	42	6.0	25
MLT-161299	P. Multanovsky	Quark Expeditions	32	6.0	25
MLT-261299	P. Multanovsky	Quark Expeditions	44	6.0	25
MLT-070100	P. Multanovsky	Quark Expeditions	48	5.0	25
MLT-080100	P. Multanovsky	S. Heritage Exped.	50	7.0	28
MLT-050200	P. Multanovsky	Quark Expeditions	49	6.0	25
MLT-150200	P. Multanovsky	Quark Expeditions	44	6.0	29
MLT-250200	P. Multanovsky	Quark Expeditions	42	7.0	25
			<b>390</b>	<b>6.2</b>	<b>25.7</b>

ID	Vessel	Operator	Pax	Staff	Crew
R-54	Rotterdam	Holland America	936	3.0	656
			<b>936</b>	<b>3.0</b>	<b>656</b>

ID	Vessel	Operator	Pax	Staff	Crew
BRE-9930	Bremen	Hapag-Lloyd	119	10	94
BRE-2000	Bremen	Hapag-Lloyd	88	9	106
BRE-2001	Bremen	Hapag-Lloyd	123	16	95
BRE-2002	Bremen	Hapag-Lloyd	134	16	92
BRE-2003	Bremen	Hapag-Lloyd	97	8	97
BRE-2004	Bremen	Hapag-Lloyd	110	9	96
BRE-2005	Bremen	Hapag-Lloyd	120	11	98
			<b>791</b>	<b>11.3</b>	<b>96.9</b>

ID	Vessel	Operator	Pax	Staff	Crew
HAN-9930	Hanseatic	Hapag-Lloyd	143	8	109
HAN-9931	Hanseatic	Hapag-Lloyd	106	8	109
HAN-2000	Hanseatic	Hapag-Lloyd	147	10	113
HAN-2001	Hanseatic	Hapag-Lloyd	147	12	114
HAN-2002	Hanseatic	Hapag-Lloyd	166	16	111
HAN-2003	Hanseatic	Hapag-Lloyd	171	10	111
HAN-2005	Hanseatic	Hapag-Lloyd	128	11	109
			<b>1,008</b>	<b>10.7</b>	<b>110.9</b>

ID	Vessel	Operator	Pax	Staff	Crew
KLB-151299	K. Khlebnikov	Quark/Zegrahm Ex.	90	14	65
KLB-090100	K. Khlebnikov	Quark Expeditions	108	13	65
			<b>198</b>	<b>13.5</b>	<b>65.0</b>

ID	Vessel	Operator	Pax	Staff	Crew
BP-9901	Boris Petrov	Peregrine Exped.	49	8	35
BP-9902	Boris Petrov	Peregrine Exped.	40	10	35
BP-9903	Boris Petrov	Peregrine Exped.	35	9	35
BP-9904	Boris Petrov	Peregrine Exped.	33	9	35
BP-0001	Boris Petrov	Peregrine Exped.	34	7	36
BP-0002	Boris Petrov	Peregrine Exped.	41	10	36
BP-0003	Boris Petrov	Peregrine Exped.	48	9	36
BP-0004	Boris Petrov	Peregrine Exped.	36	13	35
BP-0005	Boris Petrov	Peregrine Exped.	50	9	35
			<b>366</b>	<b>84.0</b>	<b>318.0</b>

ID	Vessel	Operator	Pax	Staff	Crew
GM-122199	G. Mikheev	Oceanwide Exped.	29	5	22
TAS-01	G. Mikheev	Aurora Expeditions	31	4	22
GM-280100	G. Mikheev	Oceanwide Exped.	30	3	21
GM-070200	G. Mikheev	Oceanwide Exped.	30	5	21
GM-120200	G. Mikheev	Oceanwide Exped.	33	3	21
			<b>153</b>	<b>4</b>	<b>21.4</b>

ID	Vessel	Operator	Pax	Staff	Crew
VAV-091299	A. Vavilov	Quark Expeditions	63	11	47
VAV-181299	A. Vavilov	Quark Expeditions	65	11	49
VAV-281299	A. Vavilov	Quark Expeditions	64	11	47
VAV-090100	A. Vavilov	Quark Expeditions	75	12	47
VAV-270100	A. Vavilov	Quark Expeditions	76	13	46
VAV-070200	A. Vavilov	Quark Expeditions	75	10	47
VAV-170200	A. Vavilov	Quark Expeditions	73	13	46
VAV-270200	A. Vavilov	Quark Expeditions	74	13	46
			<b>565</b>	<b>11.8</b>	<b>46.9</b>

ID	Vessel	Operator	Pax	Staff	Crew
MA-9917	A. Ioffe	Marine Expeditions	48	7	47
MA-9918	A. Ioffe	Marine Expeditions	57	7	47
MA-9919	A. Ioffe	Marine Expeditions	64	16	43
MA-9920	A. Ioffe	Marine Expeditions	100	18	43
MA-0001	A. Ioffe	Marine Expeditions	83	13	45
MA-0002	A. Ioffe	Marine Expeditions	97	12	45
MA-0003	A. Ioffe	Marine Expeditions	106	10	45
MA-0004	A. Ioffe	Marine Expeditions	107	8	47
MA-0005	A. Ioffe	Marine Expeditions	97	8	47
MA-0006	A. Ioffe	Marine Expeditions	114	10	46
			<b>873</b>	<b>10.9</b>	<b>45.5</b>

# 1999-2000 SUMMARY OF SEABORNE\* AND LAND-BASED ANTARCTIC TOURISM

August 22, 2000  
FINAL

ID	Vessel	Operator	Pax	Staff	Crew
MS-9915	A. Shuleykin	Marine Expeditions	45	10.0	28
MS-9916	A. Shuleykin	Mtn. Travel*Sobek	35	10.0	28
MS-9917	A. Shuleykin	Marine Expeditions	23	10.0	28
MS-9918	A. Shuleykin	Mtn. Travel*Sobek	41	8.0	28
MS-0001a	A. Shuleykin	Marine/Mtn. Travel	44	8.0	28
MS-0001b	A. Shuleykin	Marine/Mtn. Travel	46	4.0	25
MS-0001c	A. Shuleykin	Marine/Mtn. Travel	40	8.0	25
MS-0002	A. Shuleykin	Marine Expeditions	34	11.0	26
MS-0003	A. Shuleykin	Marine Expeditions	42	9.0	26
			<b>350</b>	<b>8.7</b>	<b>26.9</b>

ID	Vessel	Operator	Pax	Staff	Crew
MOL-001	P. Molchanov	Aurora Expeditions	47	10.0	20.0
MOL-002	P. Molchanov	Aurora Expeditions	50	8.0	20.0
MOL-003	P. Molchanov	Aurora Expeditions	43	9.0	20.0
MOL-004	P. Molchanov	Aurora Expeditions	53	4.0	23.0
MOL-005	P. Molchanov	Aurora Expeditions	53	4.0	23.0
MOL-006	P. Molchanov	Aurora Expeditions	53	1.0	23.0
MOL-007	P. Molchanov	Aurora Expeditions	52	7.0	20.0
MOL-008	P. Molchanov	Aurora Expeditions	52	5.0	23.0
MOL-009	P. Molchanov	Aurora Expeditions	50	8.0	20.0
MOL-010	P. Molchanov	Oceanwide Exped.	32	3.0	23.0
			<b>485</b>	<b>5.9</b>	<b>21.5</b>

Yacht/ Sail Boat	Operator	Pax	Staff	Crew
C St. Paul II (#1) *	(French)	9		2
C St. Paul II (#2) *	(French)	9		2
Iron Dark ^	Trevor Robertson	1		
Oosterschelde #1 ^	(Holland)	33		
Oosterschelde #2 ^	(Holland)	29		
Express Crusader	(U.K.)	3		
Arka ^	(Swiss)	4		
The Dove ^	(U.K.)	6		
Shantooti ^	(U.K.)	4		
Golden Fleece ^	(Falkland Islands)	8		
Alderman *	(U.K.)	5		
Sarah W. Vorwerk (#1) *	(U.S.)	9		
Sarah W. Vorwerk (#2) *	(U.S.)	9		
Kotick (#1) ^	(French)	6		
Kotick (#2) ^	(French)	7		
Philos #1 ^	(Swiss)	7		
Philos #2 ^	(Swiss)	7		
Pelagic #1 ^	(UK)	8		
Pelagic #2 ^	(UK)	8		
Baltazar ^	(French)	5		
Meander (#1) ^	(Holland)	16		
Meander (#2) ^	(Holland)	16		
Meander (#3) ^	(Holland)	16		
Savannah ^	(New Caledonia)	4		
Tooluka ^	?????	8		
		<b>237</b>		<b>2</b>

\* = Info gleaned from Palmer Station visit reports;

^ = Info gleaned from Port Lockroy visitor sheet.

NOTE: Info on yachts is not nearly as accurate as the vessels since a variety of sources are used to capture the information.

ID	Vessel	Operator	Pax	Staff	Crew
MD-9909a	Lyubov Orlova	Marine Expeditions	87	11	64
MD-9909a	Lyubov Orlova	Marine Expeditions	117	11	64
MD-9910	Lyubov Orlova	Marine Expeditions	80	13	63
MD-9911	Lyubov Orlova	Marine Expeditions	89	13	63
MD-9912	Lyubov Orlova	Marine Expeditions	116	11	61
MD-0001	Lyubov Orlova	Marine Expeditions	125	12	61
MD-0002	Lyubov Orlova	Marine Expeditions	131	12	61
MD-0003	Lyubov Orlova	Marine Expeditions	102	11	61
MD-0004	Lyubov Orlova	Marine Expeditions	86	14	61
MD-0005	Lyubov Orlova	Marine Expeditions	933	12.0	62.1

ID	Vessel	Operator	Pax	Staff	Crew
SH-1695	A. Shokalskiy	Heritage Exp.	45	8	26
SH-1696	A. Shokalskiy	Heritage Exp.	44	8	26
			<b>89</b>	<b>8</b>	<b>26.0</b>

ID	Vessel	Operator	Pax	Staff	Crew
OE1-001	Ocean Explorer	World Cruise Co.	583	62	306
OE1-002	Ocean Explorer	World Cruise Co.	306	58	306
			<b>889</b>	<b>60</b>	<b>306.0</b>

ID	Vessel	Operator	Pax	Staff	Crew
AEG-001	Aegean I	World Cruise Co.	429	49	184
AEG-002	Aegean I	World Cruise Co.	483	43	190
			<b>912</b>	<b>46</b>	<b>187.0</b>

Land Based Expeditions			Pax	Staff	Crew
Adventure Network International			139		

**TOTAL ANTARCTIC (land & sea) TOURISTS FOR 1999-2000 = 14,762**

\* = Seaborne tourists include revenue and non-revenue pax.