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# **IAATO Overview of Antarctic Tourism: 2015-16 Season and Preliminary Estimates for 2016-17**



# IAATO Overview of Antarctic Tourism: 2015-16 Season and Preliminary Estimates for 2016-17 Season

Information Paper Submitted by the  
International Association of Antarctica Tour Operators (IAATO)

## **Introduction**

As in previous years, IAATO is pleased to provide estimates of Antarctic tourism from IAATO operators for the 2016-17 season and the statistical data from the Post Visit Reports for the recently concluded 2015-16 season.

These estimates are based on information provided to IAATO by its operators as of April 20, 2016. These numbers reflect only those travelling with IAATO member companies and do not include those individuals taking part in research projects that are being supported by IAATO operators.

Preliminary numbers indicate that the general picture for 2015-16 season (38,478 persons) was similar to that forecast in ATCM XXXVII IP53 *IAATO Overview of Antarctic Tourism: 2013-14, 2014-15 and Preliminary Estimates for 2015-16 Season*, and slightly higher than the final figures for the 2014-15 season (36,702 persons). Forecasts for 2016-17 indicate that the numbers will rise to approximately 43,885 individuals.

## **1.0 Overview**

While this section focuses on the 2015-16 season's information, additional information on all completed seasons, including activities and landing site use, will be posted on the IAATO website ([www.iaato.org](http://www.iaato.org)) under Guidelines and Resources, Tourism Statistics. Additionally, selected site-specific information is also available in ATCM XXXIX IP105 *Report on IAATO Operator Use of Antarctic Peninsula Landing Sites and ATCM Visitor Site Guidelines, 2015-16 Season*.

### **1.1 IAATO Member Activities**

IAATO's Membership continues to incorporate the majority of private-sector tour operators. All commercial SOLAS passenger ship operators conducting tourism activities in the Antarctic Treaty Area are currently members of IAATO, with one exception - a Japanese flagged non-IAATO cruise only vessel, ASUKA II that cruised the Antarctic Peninsula in January 2016. All of IAATO operators have submitted Environmental Impact Assessments or operational documents to their appropriate National Authority.

Final analysis of Post Visit Reports for the 2015-16 season indicates that there was a slight increase in the overall tourism statistics from the 2014-15 season. Ship borne tourism remains dominant on the Peninsula and there were no IAATO operator over-flights to the Antarctic continent.

### **1.2 Scope of Commercial Tourist Activities for Seaborne Tourism**

Commercial tourism activities included the operation of small boats (Zodiac, Polar Circle Boat, R.I.B., Naiad, etc.), shore landings, and to a lesser extent, kayaking, mountain climbing, SCUBA diving, snorkeling, stand up paddle boarding, skiing, snowboarding, camping (including short overnight stays), running events, helicopter operations, underwater ROVs and Unmanned Aerial Vehicles (UAVs). These activities were undertaken in line with IAATO policies and guidelines. Most of these activities have taken place for the past decade with some dating back to the beginning of Antarctic tourism in the late 1960s.

*Table 1. Historical Statistics of Recorded Seaborne Tourism (including Cruise Only)*  
*Based on data provided by companies who submitted Post Visit Report Forms and from other sources where available.*

Year	No. of operators	No. of ships & yachts	No. of voyages	No. of passengers making landings	No. of cruise only passengers
1992-93	10	12	59	6,704	
1993-94	9	11	65	7,957	
1994-95	9	14	93	8,098	
1995-96	10	15	113	9,212	
1996-97	11	13	104	7,322	
1997-98	12	13**	92	9,473	
1998-99	15	15**	116	9,857	
1999-00	17	21**	154	13,687	936
2000-01	15**	32**	131	12,109	0
2001-02	19**	37**	117	11,429	2,029
2002-03	26**	47**	136	13,263	2,424
2003-04	31**	51**	180	19,369	4,949
2004-05	35**	52**	207	22,297	5,027
2005-06	47**	44**	249	25,167	4,632
2006-07	42**	47**	268	28,622	6,930
2007-08	48	55	308	32,637	13,015
2008-09	44	53	290	26,921	10,652
2009-10	44	51	239	21,622	15,020
2010-11	41	47	223	19,065	14,373
2011-12	36	41	234	21,131	4,872
2012-13	39	45	258	24,892	9,070
2013-14	42	51	283	27,374	9,670
2014-15	37	44	268	26,812	9,459
2015-16	38	48	286	29,960	8,109
2016-17	42***	51***	328***	35,205***	8,680***

\*\* Includes IAATO and non-IAATO member-operated yachts (sailing and motor) where the information was available.

\*\*\* Based on pre-season estimates not actual statistics

The vast majority of tourism voyages operate in the Antarctic Peninsula region during the five-month austral summer season (from November to March), departing from Ushuaia, Argentina or, to a lesser extent, from other ports north of the Antarctic Treaty Area.

### 1.3 Nationalities

The Post Visit Report Forms submitted to IAATO indicate that more than 100 different nationalities were represented by tourists who visited the Antarctic during the 2015-16 season.

Table 2: Percentage of Passenger Nationalities

Nationality	Percentage of Total 15-16 Season
United States	35.5%
Australia	11%
China	10.6%
United Kingdom	8.4%
Germany	7.4%
Canada	4.8%
France	3.0%
Switzerland	2.9%
Japan	1.9%
Netherlands	1.9%
New Zealand	1.1%
Others	11.5%

#### 1.4 Commercial Operated Activities Conducted from Expedition Vessels and Yachts

Detailed information of the activities conducted during the 2015-16 season are listed in Appendix 2, and anticipated activities for the 2016-17 season can be found in Appendix 3. All IAATO member activities are permitted or authorized through the Environmental Impact Assessments and Advance Notifications submitted in advance of the season. All activities are planned to have no more than a minor or transitory impact on the Antarctic environment and nearly all activities have been conducted from expedition vessels and yachts for more than a decade.

#### 1.5 Commercial Deep Field Tourism

Four IAATO operators conducted deep field tourism activities during the 2015-16 season:

- Adventure Network International / Antarctic Logistics & Expeditions (ALE) – one of the founding members of IAATO in 1991 – conducted activities for the 30<sup>th</sup> consecutive season.
- The Antarctic Company (TAC) operated in Antarctica for the 11<sup>th</sup> consecutive season and 7<sup>th</sup> as an IAATO operator.
- White Desert (WDL), which operated in Antarctica for the 10<sup>th</sup> consecutive season and 5<sup>th</sup> as an IAATO operator. Flights and logistics for WDL are coordinated through TAC.
- Arctic Trucks, which joined IAATO at the end of the 2013-14 season has operated in the Antarctic as a contractor since the 1990's and as an operator since 2014-15 season.
- ALE operated out of Punta Arenas, Chile; TAC and WDL operated out of Cape Town, South Africa. Arctic Trucks supported operations working from both ALE and TAC camps.

The four companies employed experienced guides; over 80% of which have worked previously in Antarctica. Staff and guides assist in the preparation of policies and guidelines, and ensure their implementation in the field.

##### 1.5.1 Visitor & Staff Numbers

Details of the visitor numbers can be found in the appendices below. Deep field operators usually maintain a higher client to staff ratio than is typical for seaborne tourism– often in the region of 1 guide to 3 clients. The exception is with solo expeditions, for example during South Pole Ski Expeditions, where the clients are supported remotely and closely through communication protocols, air drops and agreed search and rescue plans etc.

##### 1.5.2 Aircraft Operations

ALE:

- One Ilyushin IL-76 was used to ferry general and hazardous cargo, wastes, fuel, staff, guides and passengers between SCCI Punta Arenas, Chile, and SCGC Runway 18M Union Glacier.
- One Boeing 757-200 made two intercontinental flights, one a proof-of-concept flight, the other to ferry passengers between SCCI Punta Arenas, Chile and SCGC Runway 18M Union Glacier.
- Two ski-equipped DHC-6 Twin Otter aircraft and one ski-equipped Douglas DC3-PT67 aircraft were used for flights within Antarctica and to provide medical evacuation support throughout the Antarctic season.

TAC:

- One Ilyushin IL-76 was used to ferry general and hazardous cargo, wastes, fuel, staff, guides and passengers between Cape Town, South Africa and Novo Airbase.
- One ski-equipped DHC-6 Twin Otter aircraft and two ski-equipped Douglas DC3-PT67 aircraft were used for flights within Antarctica and to provide medical evacuation support throughout the Antarctic season.

##### 1.5.3 Ground Transport

- ALE operated a number of tractor traverses, primarily for more efficient transport of fuel and cargo, and to support scientific activities.
- ALE, TAC, WDL and Arctic Trucks all used modified wheel vehicles.

##### 1.5.4 Camps (Primary)

- ALE Union Glacier Camp opened November 23, 2015 and closed February 19, 2016.

- TAC Camp opened November 4, 2015 and closed on February 28, 2016.
- WDL Camp opened November 10, 2015 and closed on January 11, 2016.

### 1.5.5 Programs and Activities

Activities including the operation of standard programs, the organization and operation of private expeditions, and logistical support of other expeditions for the 2015-16 season, are outlined in the table below. Total numbers participating include clients from all four IAATO deep field operators. Note that some clients participated in multiple programs.

*Table 3: Programs and Participant Numbers (clients) for 2015-16 season (note some participants may take part in several programs)*

<b>Program</b>	<b>No. Participating</b>
Emperor Penguin Colony Visits	45
Deep Field Experiences (Camping, skiing, climbing, etc.)	60
Deep Field Flights (e.g. to Pole of Inaccessibility)	21
South Pole Fly-in	107
South Pole Ski Expedition	7
South Pole Motorised Expedition	0
Last Degree Expedition	30
Antarctic Crossing	2
Vinson Massif	143
Marathon	80

### 1.6 Air Operations – Over-flights operated by IAATO Members

For the 2015-16 season, there were no over-flights of Antarctica by IAATO members

## 2.0 Preliminary Estimate of Planned Activities for the 2016-17 Season

Appendix 3 illustrates a breakout of tourism categories that are projected for the 2016-17 season.

IAATO operators continue to refine the detail of their activity reporting. Ship-based tourism is expected to again include the operation of small auxiliary boats, shore landings, kayaking, mountain climbing, running events, SCUBA diving, snorkelling, skiing, snowboarding, stand-up paddle boarding, camping (including short overnight stays), helicopter operations, use of Unmanned Aerial Vehicles and underwater remote operated vehicles (ROVs).

For the 2016-17 season, those tourism categories where passengers land ashore – traditional small and medium-size expedition ships and yachts, all carrying 500 or fewer passengers – are expected to reach 34,647 passengers. The increase is due to two principle factors: an growth in air/cruise tourism which is projected to increase to 3,154 clients; and the introduction to the market of a new vessel *Midnatsol* and the return of the *Hamburg* each of which anticipate carrying approximately 300+ passengers and together conducting circa 15 voyages.

Cruise-only tourism, aboard 500-plus passenger vessels with no passengers landing ashore, is projecting a slight increase to 8,680 passengers. Air-land tourism, which is conducted by the four IAATO Members that provide deep field excursions and expeditions, is projected to reach 558 visitors.

No over-flights by IAATO operators are expected during the 2016-17 season.

IAATO members will continue to work together so that operations are conducted in a safe and environmentally responsible manner, and that tourism activities are planned to have no more than a minor or transitory impact on the Antarctic environment.

### **3.0 Tourism Trends**

A trends chart showing the change in IAATO operator landed passengers, dating from the 1992-1993 season and including estimates for the 2016-17 season, can be found in Appendix 1 of this overview.

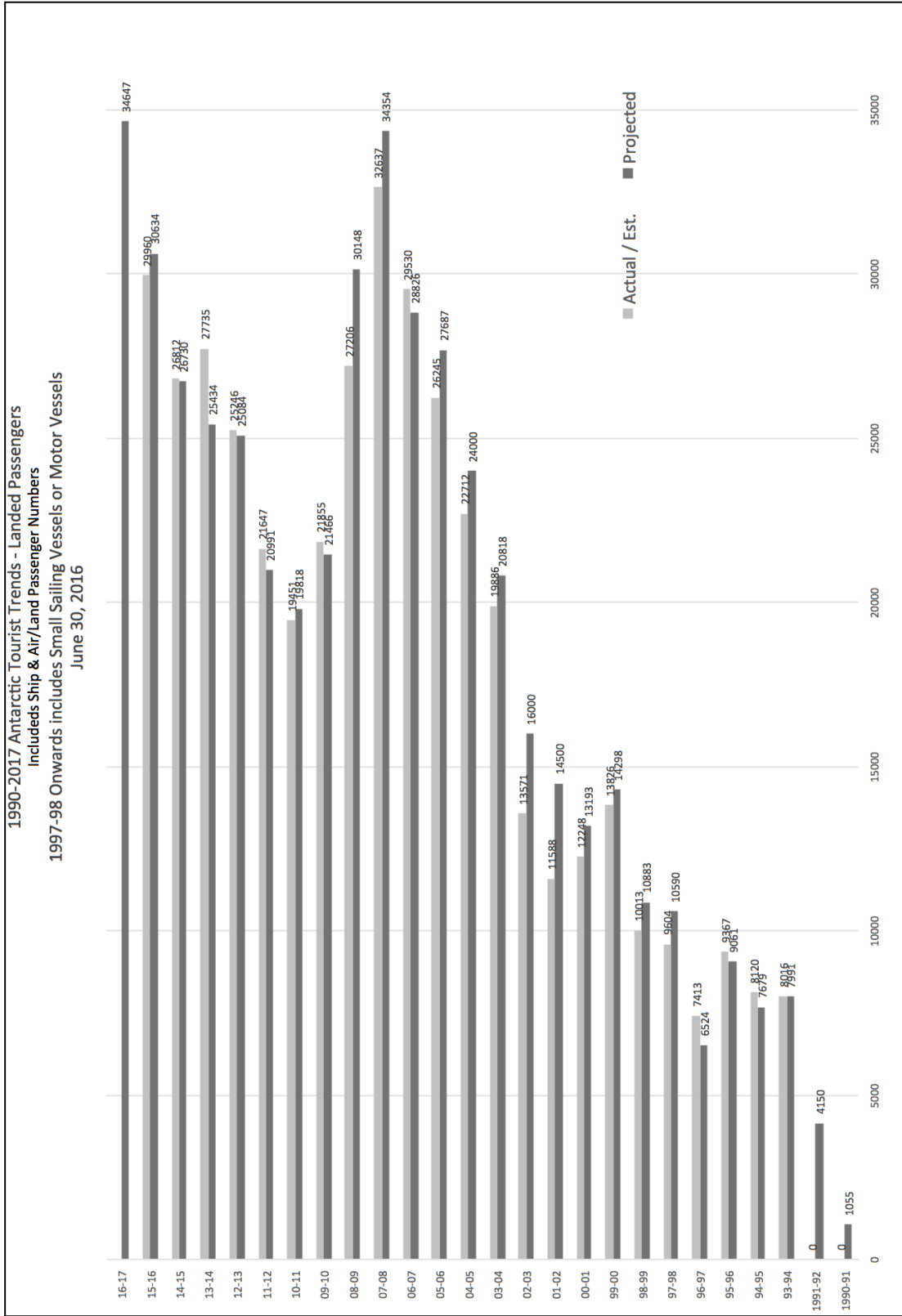
### **4.0 Tourism Statistics**

The following data sheets are being prepared for inclusion in the IAATO website (<http://www.iaato.org>) and can be found as a link “Tourism Statistics” under the category of Tourism Overview:

- Tourists by Nationality (Landed)
- Tourists by Nationality (Air and Cruise)
- Tourists by Nationality (All)
- Tourist Nationalities by Vessel
- Trends 1992-2016
- Number of Visitors (tourists, staff, crew) per site per vessel-All Antarctic Sites
- Number of Visitors (tourists, staff, crew) per Site per Vessel-Continental Sites
- Number of Tourists per Site Per Vessel-All Antarctic Sites
- Number of Tourists per Site per Vessel
- Number of Tourists per Site Per Vessel-Peninsula Sites
- Number of Visits per Site per Activity

### **Appendices:**

- Appendix 1: Histogram of 1991-2017 Antarctic Tourist Trends – Landed Passengers, including ship and land passenger numbers.
- Appendix 2: Overview of Antarctic Tourism 2015-16
- Appendix 3: Preliminary Estimate of Antarctic Tourism 2016-17





## Appendix 2: Overview of Antarctic Tourism 2015-16

Based on information provided by IAATO Members to the IAATO Secretariat as of April 20, 2016

IAATO Members Seaborne Tourism – Peninsula Region – 2015-2016							
Vessels	Vessel Registry	Operator/Charterer	Country	PSSC Passenger Capacity	Actual # Voyages	Actual # of Passengers	Activities incl. landings
<i>Akademik Ioffe</i>	Russia	One Ocean Expeditions	Canada	127	11	966	ski mountaineering, snowshoeing, camping, kayaking, overnight kayak trip, small boat cruising, small boat landing, station visits, photography, extended walks, marathon
<i>Akademik Sergey Vavilov</i>	Russia	One Ocean Expeditions	Canada	123	4	390	kayaking, snowshoeing, small boat cruising, small boat landing, station visits,
<i>Bark Europa</i>	Netherlands	Rederij Bark Europa B.V	Netherlands	48	4	164	small boat landing, ship cruise
<i>Bremen</i>	Bahamas	Hapag Lloyd Kreuzfahrten	Germany	164	5	680	small boat landing, small boat cruising, ship cruising
<i>Corinthian</i>	Marshall Islands	Grand Circle Corporation	United States	110	8	715	small boat landings
<i>Expedition</i>	Liberia	G Adventures	Canada	140	9	1172	small boat landing, small boat cruising, camping, kayaking, ship cruising
<i>Fram</i>	Norway	Hurtigruten ASA	Norway	318	9	2032	Small boat landing, hiking, kayaking, snowshoeing, small boat cruising, ship cruising, logistic support, camping
<i>Hanseatic</i>	Bahamas	Hapag Lloyd Kreuzfahrten	Germany	188	6	888	Small boat landing, small boat cruising, ship cruising
<i>L'Austral</i>	France	Ponant	France	264	9	1799	Small boat landing, small boat cruising, walking, hiking, ice landing, SCUBA diving
<i>Le Lyrial</i>	France	Ponant	France	244	10	1954	Small boat landing, small boat cruising, walking, hiking, ice landing, SCUBA diving
<i>National Geographic Explorer</i>	Bahamas	Lindblad Expeditions	United States	150	10	1488	small boat cruising, hiking, kayaking, ROV, SCUBA diving



IAATO Members Seaborne Tourism – Peninsula Region – 2015-2016 cont.							
Vessels	Vessel Registry	Operator/Charterer	Country	PSSC Passenger Capacity	Actual # Voyages	Actual # of Passengers	Activities incl. landings
<i>National Geographic Orion</i>	Bahamas	Lindblad Expeditions	United States	106	7	718	small boat landing, small boat cruises, kayaking, scuba, ROV
<i>Ocean Diamond</i>	Bahamas	Quark Expeditions	United States	276	13	2221	small boat landing, small boat cruising, kayaking, camping, polar plunge, snow shoeing
<i>Ocean Endeavour</i>	Marshall Islands	Quark Expeditions	United States	351	12	2220	small boat landing, small boat cruising, kayaking, camping, polar plunge, snow shoeing, skiing, mountaineering, stand-up paddle boarding
<i>Ocean Nova</i>	Bahamas	Antarctica XXI	Chile	74	3	214	small boat landing, small boat cruising, kayaking, snowshoeing
<i>Ortelius</i>	Cyprus	Oceanwide Expeditions	Netherlands	125	10	1047	small boat landing, camping, diving helicopter ops, hiking, snowshoeing, mountaineering, stand-up paddle boarding
<i>Ortelius</i>	Cyprus	Cheesemans' Ecology Safaris	United States	114	1	101	small boat cruising, small boat landing (carrying a number of cetacean scientists operating under research permits)
<i>Plancius</i>	Netherlands	Oceanwide Expeditions	Netherlands	117	9	1007	Small boat cruising, small boat landing, camping, hiking, kayaking, mountaineering
<i>Polar Pioneer</i>	Russia	Aurora Expeditions	Australia	54	6	301	kayaking, camping, climbing, polar snorkeling, polar diving, snow shoeing
<i>Sea Adventurer</i>	Bahamas	Zegrahm Expeditions	United States	118	1	101	small boat landing, small boat cruising, kayaking
<i>Sea Adventurer</i>	Bahamas	Quark Expeditions	United States	118	7	756	small boat cruising, small boat landing, kayaking, camping, polar plunge, show shoeing, skiing
<i>Seabourn Quest</i>	Bahamas	Seabourn Cruise Line	United States	478	4	1725	small boat landings
<i>Sea Explorer I</i>	Bahamas	Polar Latitudes	United States	112	9	894	camping, climbing, sayaking, skiing, small boat landing, small boat cruising

IAATO Members Seaborne Tourism – Peninsula Region – 2015-2016 cont.							
Vessels	Vessel Registry	Operator/Charterer	Country	PSSC Passenger Capacity	Actual # Voyages	Actual # of Passengers	Activities incl. landings
<i>Sea Spirit</i>	Bahamas	Poseidon Expeditions	Russia	127	10	1053	hiking, kayaking, camping, small boat landings, small boat cruising, small boat landing, small boat cruising, kayaking, camping
<i>Silver Explorer</i>	United States	Silversea Cruises	United States	132	8	935	small boat cruising, small boat landing, kayaking
<i>The World</i>	Bahamas	Residences at Sea	United States	450	2	474	small boat cruises, small boat landings, kayaking
<i>Ushuaia</i>	Comoros	Antarpply Expeditions	Argentina	90	15	1246	small boat landing, small boat cruising
<b>Totals</b>					<b>202</b>	<b>27261</b>	

IAATO Members Air Cruise Tourism – Peninsula Region – 2015-2016							
Vessels	Vessel Registry	Operator/Charterer	Country	PSSC Passenger Capacity	Actual # Voyages	Actual # of Passengers	Activities incl. landings
<i>Akademik Sergey Vavilov</i>	Russia	One Ocean Expeditions	Canada	123	7	495	Kayaking, skiing, camping, small boat cruising, snowshoeing, small boat landing, station visits, hiking, photography, painting, bird watching
<i>SY Australis</i>	Australia	Ocean Expeditions	Australia	9	4	26	kayaking, camping, small boat landing, skiing, SCUBA, filming, science.
<i>MY Enigma XK</i>	Bahamas	EYOS	United Kingdom	12	4	46	small boat landing, kayaking, camping
<i>MY Hanse Explorer</i>	Antigua	Hanse Explorer	Germany	12	4	42	kayaking, small boat landing, SCUBA diving, camping
<i>Ocean Nova</i>	Bahamas	Antarctica XXI	Chile	68	16	1002	small boar landing, kayaking, snowshoeing

<i>Polar Pioneer</i>	Russia	Aurora Expeditions	Australia	54	4	212	kayaking, camping, climbing, polar snorkeling, polar diving, snow shoeing
<i>Sea Adventurer</i>	Bahamas	Quark Expeditions	United States	118	2	186	small boat cruising, small boat landing, kayaking, camping, polar plunge, show shoeing, skiing
<i>Sea Explorer I</i>	Bahamas	Polar Latitudes	United States	112	5	337	camping, climbing, kayaking, skiing, small boat landing, small boat cruising

**IAATO Members Air Cruise Tourism – Peninsula Region – 2015-2016 cont.**

Vessels	Vessel Registry	Operator/ Charterer	Country	PSSC Passenger Capacity	Actual # Voyages	Actual # of Passengers	Activities incl. landings
<i>MY Vava II</i>	Cayman Islands	EYOS	United Kingdom	12	1	7	small boat landing, kayaking, camping SCUBA
<b>Total</b>					<b>47</b>	<b>2353</b>	

**IAATO Members Yacht Tourism – Peninsula Region – 2015-2016**

Vessels	Vessel Registry	Operator/ Charterer	Country	PSSC Passenger Capacity	Actual # Voyages	Actual # of Passengers	Activities incl. landings
<i>SY Australis</i>	Australia	Ocean Expeditions	Australia	9	2	12	kayaking, camping, small boat landing, skiing, SCUBA, filming, science.
<i>SY Golden Fleece</i>	UK Overseas Territory	Golden Fleece Expeditions	United Kingdom	12	1	7	small boat landing
<i>SY Hanse Explorer</i>	Antigua	Hanse Explorer	Germany	12	1	12	small boat landings, kayaking, camping, SCUBA
<i>MY Hans Hansson</i>	UK Overseas Territory	Golden Fleece Expeditions	United Kingdom	12	2	18	small boat landing, science support, scuba diving
<i>SY Icebird</i>	Australia	Spirit of Sydney	Australia	7	4	21	Small boat

							landing, camping, kayaking, skiing
<i>SY Ocean Tramp</i>	Marshall Islands	Quixote Expeditions	United States	12	1	6	small boat landing, kayaking
<i>SY Paradise</i>	France	Paradise Adventures	France	8	1	7	small boat landing, small boat cruising
<i>SY Pelagic</i>	British Virgin Islands	Pelagic Expeditions	United Kingdom	6	1	4	kayaking, small boat landing
<i>SY Pelagic Australis</i>	British Virgin Islands	Pelagic Expeditions	United Kingdom	12	2	15	camping, climbing, kayaking, small boat landing
<i>SY Podorange</i>	London, UK	Voile Australe	France	9	3	22	small boat landing
<i>SY Santa Maria Australis</i>	Germany	Sea and Ice Mountain Expeditions	Chile	9	2	18	small boat landing, ship cruise, extended walk
<i>SY Selma</i>	Poland	Selma Expeditions	Poland		2	17	Small boat landing, camping, station visit, extended walks
<i>SY Spirit of Sydney</i>	Australia	Spirit of Sydney Expeditions	Australia	7	1	7	camping, kayaking, skiing, small boat landing
<i>SY Vaihéré</i>	France	Latitude Océane	Belgium	10	2	20	small boat landing
<i>SY Xplore</i>	Panama	Xplore Expeditions	United Kingdom	8	2	15	small boat landings, camping, skiing mountaineering, science, SCUBA
<b>Total</b>					<b>27</b>	<b>201</b>	

**IAATO Members Cruise Only Tourism – Peninsula Region – 2015-2016**

Vessels	Vessel Registry	Operator/ Charterer	Country	PSSC Passenger Capacity	Actual # Voyages	Actual # of Passengers	Activities incl. landings
<i>Celebrity Infinity</i>	Malta	Azamara/ Celebrity/ RCCL	United States	2449	1	2092	Cruise Only
<i>Crystal Symphony</i>	Nassau	Crystal Cruises	United States	960	2	1336	Cruise Only
<i>Prinsendam</i>	Netherlands	Holland America	United States	830	1	718	Cruise Only
<i>Zaandam</i>	Netherlands	Holland America	United States	1805	3	3963	Cruise Only
<b>Total</b>					<b>7</b>	<b>8109</b>	

**IAATO Members Seaborne Tourism – Continental/Ross Sea - 2015-2016**

Vessels	Vessel Registry	Operator/ Charterer	Country	PSSC Passenger Capacity	Actual # Voyages	Actual # of Passengers	Activities incl. landings
<i>Akademik Shokalskiy</i>	Russia	Heritage Expeditions	New Zealand	58	1	46	small boat landing
<i>Spirit of Enderby</i>	Russia	Heritage Expeditions	New Zealand	50	2	99	small boat landing
<b>Total</b>					<b>3</b>	<b>145</b>	

IAATO Members Deep Field Tourism - 2015-2016							
Operator	Country	Antarctic Area Visited	Aircraft Used		Actual # Average Load	Actual # of Passengers	Activities
<i>Adventure Network International/Antarctic Logistics and Expeditions (ALE)</i>	United States	Ellsworth Mountains, West Antarctic, South Pole	Ilyushin-76, Boeing 757, Twin Otter, DC3 Basler			321	aircraft landing, science support, camping, climbing, skiing, kiting
<i>Arctic Trucks</i>	United Kingdom	Droning Maud Land, South Pole	Through TAC			0	traverse, logistic support, science support
<i>The Antarctic Company (TAC)</i>	Varies	Droning Maud Land, South Pole	Ilyushin-76, Twin Otter, DC3 Basler			15	aircraft landing, camping, climbing, skiing, kiting
<i>White Desert (WDL)</i>	United Kingdom	Droning Maud Land, South Pole	Through TAC			73	aircraft landing, camping, overland transport, skiing
<b>Total</b>						<b>409</b>	

**SUMMARY OF ACTUALS for 2015-2016 SEASON  
(All Tourist Types)**

\*Note all numbers and company status are subject to change and are based on reports as of 20 April, 2016

Types of Tourism	Number of Vessels	Number of Departures	Number of Passengers
<i>IAATO Traditional Seaborne Tourism Peninsula</i>	25	202	27,261
<i>IAATO Seaborne Tourism Ross Sea/Continental</i>	2	3	145
<i>IAATO Sailing/Motor Yachts</i>	15	27	201
<i>IAATO Air/Cruise Peninsula</i>	9	47	2353
<i>IAATO Large Ships Cruise-Only/Peninsula</i>	4	7	8109
<i>IAATO Deep Field Tourism</i>			409
<b>Total</b>		<b>286</b>	<b>38,478</b>

### Appendix 3: Preliminary Estimate of Antarctic Tourism 2016-17

Based on information provided by IAATO Members to the IAATO Secretariat as of April 20, 2016

IAATO Members Traditional Seaborne Tourism – Peninsula Region – 2016 - 2017							
Vessels	Vessel Registry	Operator/Charterer	Country	Est. # Voyages	Est. # Average Load	Est. # of Passengers	Activities incl. landings
<i>Akademik Ioffe</i>	Russia	One Ocean Expeditions	Canada	12	60	720	Small Boat Cruising, Small Boat landing, Kayaking, Camping, Extended Walk, Skiing, Marathon, Snowshoe, painting
<i>Akademik Sergey Vavilov</i>	Russia	One Ocean Expeditions	Canada	5	52	260	Small Boat Cruising, Small Boat landing, Kayaking, Camping, Extended Walk, Skiing, Marathon, Snowshoe, painting
<i>Bark Europa</i>	Netherlands	Rederij Bark Europa B.V	Netherlands	4	40	160	small boat cruising, small boat landing, station visits, ship cruise
<i>Bremen</i>	Bahamas	Hapag Lloyd Kreuzfahrten	Germany	4	130	520	small boat landing, small boat cruising
<i>Corinthian</i>	Marshall Islands	Grand Circle Corporation	United States	12	98	1176	small boat landing, small boat cruising
<i>Expedition</i>	Liberia	G Adventures	Canada	12	130	1560	small boat landing, small boat cruising, camping, kayaking
<i>Fram</i>	Norway	Hurtigruten ASA	Norway	9	220	1980	small boat landing, small boat cruising, hiking, camping, kayaking, snowshoeing
<i>Hamburg</i>	Bahamas	Plantours Kreuzfahrten	Germany	3	340	1020	Small boat cruising, small boat landing
<i>Hanseatic</i>	Bahamas	Hapag Lloyd Kreuzfahrten	Germany	4	140	560	small boat landing
<i>Hebridean Sky</i>	Bahamas	Polar Latitudes	United States	7	112	784	Small boat landings, small boat cruising, extended walk, kayaking, camping, polar plunge
<i>Le Boreal</i>	France	Abercrombie & Kent USA, LLC	United States	1	190	190	small boat landing, extended walk
<i>Le Boreal</i>	France	Ponant	France	9	200	1800	Small boat landing, Small Boat cruising
<i>Le Lyrial</i>	France	Abercrombie & Kent USA, LLC	United States	4	190	760	Small boat landing, extended walk
<i>Le Lyrial</i>	France	Ponant	France	5	200	1000	small boat cruise, small boat landing
<i>Le Soleal</i>	France	Ponant	France	10	200	2000	Small boat cruise, small boat landing
<i>Midnatsol</i>	Norway	Hurtigruten ASA	Norway	10	300	3000	Small boat landing, small boat cruising, kayaking
<i>National Geographic Explorer</i>	Bahamas	Lindblad Expeditions	United States	10	140	1400	diving (staff), hiking, kayaking, ROV, small boat cruising



IAATO Members Traditional Seaborne Tourism – Peninsula Region – 2016 - 2017 cont.							
Vessels	Vessel Registry	Operator/ Charterer	Country	Est. # Voyages	Est. # Average Load	Est. # of Passengers	Activities incl. landings
<i>National Geographic Orion</i>	Bahamas	Lindblad Expeditions	United States	8	95	760	small boat cruising, small boat landing, hiking, kayaking, staff diving, ROV
<i>Ocean Diamond</i>	Bahamas	Quark Expeditions	United States	11	145	1595	kayaking, camping, snowshoeing, polar plunge
<i>Ocean Diamond</i>	Bahamas	Zegrahm Expeditions	United States	1	175	175	kayaking, snowshoeing, polar plunge, camping
<i>Ocean Endeavour</i>	Marshall Islands	Quark Expeditions	United States	11	150	1650	kayaking camping, snowshoeing, skiing, mountaineering, stand up paddle boarding
<i>Ocean Nova</i>	Bahamas	Antarctica XXI	Chile	2	65	130	small boat landing, kayaking, snowshoeing
<i>Ortelius</i>	Cyprus	Oceanwide Expeditions	Netherlands	7	92	644	small boat cruising, small boat landing, kayaking, camping, hiking, mountaineering, snowshoeing, helicopter, SCUBA
<i>Plancius</i>	Netherlands	Oceanwide Expeditions	Netherlands	11	92	1012	small boat cruising, small boat landing, kayaking, camping, mountaineering, trekking, hiking, snowshoeing, SCUBA
<i>Polar Pioneer</i>	Russia	Aurora Expeditions	Australia	6	50	300	camping, climbing, kayaking SCUBA, small boat cruising, small boat landing, snorkeling
<i>Sea Adventurer</i>	Bahamas	Quark Expeditions	United States	6	90	540	kayaking, camping, polar plunge, snow shoeing
<i>Seabourn Quest</i>	Bahamas	Seabourn Cruise Line	United States	4	450	1800	small boat landing, small boat cruising, kayaking
<i>Sea Spirit</i>	Bahamas	Poseidon Expeditions	Russia	10	80	800	hiking, kayaking, camping, small boat landings, small boat cruising
<i>Silver Explorer</i>	Bahamas	Silversea Cruises	United States	9	120	1080	small boat landings, small boat cruising
<i>Ushuaia</i>	Comoros	Antarpply Expeditions	Argentina	15	70	1050	small boat landing, small boat cruising
<b>Total</b>				<b>222</b>		<b>30426</b>	

IAATO Members Air Cruise Tourism – Peninsula Region – 2016 - 2017							
Vessels	Vessel Registry	Operator/Charterer	Country	Est. # Voyages	Est. # Average Load	Est. # of Passengers	Activities incl. landings
<i>Akademik Sergey Vavilov</i>	Russia	One Ocean Expeditions	Canada	6	52	312	small boat cruising, small boat landing, kayaking, camping, extended walk, ski tour, marathon, snowshoe, wildlife viewing, painting
<i>SY Australis</i>	Australia	Ocean Expeditions	Australia	4	9	36	scientific research, commercial filming, personal filming, kayaking, small boat landing, small boat cruising, camping diving, mountaineering
<i>Hebridean Sky</i>	Bahamas	Polar Latitudes	United States	6	112	672	extended walks, small boat cruising, small boat landing, kayaking, camping, polar plunge
<i>MY Legend</i>	Antigua	EYOS	United Kingdom	2	18	36	small boat cruising, small boat landing, helicopter, remote underwater vehicle
<i>Ocean Nova</i>	Bahamas	Antarctica XXI	Chile	16	65	1040	small boat cruising, small boat landings, station visits ,kayaking, snowshoeing
<i>Polar Pioneer</i>	Russia	Aurora Expeditions	Australia	4	50	200	camping, climbing, kayaking SCUBA, small boat cruising, small boat landing, snorkeling
<i>Sea Adventurer</i>	Bahamas	Quark Expeditions	United States	9	90	810	kayaking, camping, polar plunge, snowshoeing
<i>TBD</i>		EYOS	United Kingdom	1	12	12	small boat cruising, small boat landing, helicopter, remote underwater vehicle
<i>TBD</i>		EYOS	United Kingdom	3	12	36	Kayaking, trekking, skiing helicopter flights, small boat cruising, camping on the ice, diving
<b>Total</b>				<b>51</b>		<b>3154</b>	

IAATO Members Yacht Tourism – Peninsula Region – 2016 - 2017							
Vessels	Vessel Registry	Operator/Charterer	Country	Est. # Voyages	Est. # Average Load	Est. # of Passengers	Activities incl. landings
<i>SY Australis</i>	Australia	Ocean Expeditions	Australia	1	9	9	scientific research, commercial filming, personal filming, kayaking, small boat landing, small boat cruising, camping, diving, mountaineering
<i>MY Braveheart</i>	New Zealand	Stoney Creek Shipping Co	New Zealand	2	12	24	photography, filming underwater, filming, scientific support, possible helicopter on board
<i>TBD</i>		EYOS	United Kingdom	1	12	12	small boat cruising, small boat landing
<i>MY Hanse Explorer</i>	Antigua	Hanse Explorer	Germany	5	12	60	small boat cruising, small boat landing, camping, kayaking, SCUBA
<i>MY Hans Hansson</i>	UK Overseas Territory	Golden Fleece Expeditions	United Kingdom	1	12	12	cruising, small boat landing
<i>MY Hans Hansson</i>	UK Overseas Territory	Waterproof Expeditions	Netherlands	1	12	12	small boat cruising, small boat landing, SCUBA, snorkelling
<i>SY Icebird</i>	Australia	Spirit of Sydney	Australia	3	7	21	small boat landing
<i>SY Kotick</i>	Antigua	Kotick Charters	France	1	5	5	small boat cruising, small boat landing, SCUBA
<i>SY Ocean Tramp</i>	Marshall Islands	Quixote Expeditions	United States	2	8	16	small boat landings, kayaking, short hikes, mountaineering
<i>SY Paradise</i>	France	Paradise Adventures	France	2	9	18	Small boat cruising, Small boat landing
<i>SY Pelagic</i>	British Virgin Islands	Pelagic Expeditions	United Kingdom	1	6	6	TBD
<i>SY Pelagic Australis</i>	British Virgin Islands	Pelagic Expeditions	United Kingdom	3	8	24	mountaineering
<i>SY Podorange</i>	UK	Voile Australe	France	2	8	16	small boat landings, small boat cruising, extended walks, skiing
<i>SY Santa Maria Australis</i>	Germany	Sea and Ice Mountain Expeditions	Chile	3	8	24	small boat landings, small boat cruising, extended walks, skiing
<i>SY Selma</i>	Poland	Selma Expeditions	Poland	3	8	24	
<i>SY Spirit of Sydney</i>	Australia	Spirit of Sydney Expeditions	Australia	3	7	21	climbing, skiing, kayaking, filming, diving, small boat landing, hiking, camping, small boat cruising
<i>SY Vaihéré</i>	France	Latitude Océane	Belgium	2	10	20	small boat landing
<i>SY Xplore</i>	Panama	Xplore Expeditions	United Kingdom	3	6	18	documentaries, science, hydrography, adventure activities
<b>Total</b>				<b>39</b>		<b>342</b>	

IAATO Cruise Only Tourism - Peninsula – 2016 - 2017							
Vessels	Vessel Registry	Operator/ Charterer	Country	Est. # Voyages	Est. # Average Load	Est. # of Passengers	Activities incl. landings
<i>Celebrity Infinity</i>	Malta	Azamara/Celebrity/RCCL	United States	1	1900	1900	Cruise Only
<i>Crystal Symphony</i>	Nassau	Crystal Cruises	United States	2	640	1280	Cruise Only
<i>Prinsendam</i>	Netherlands	Holland America	United States	1	700	700	Cruise Only
<i>Zaandam</i>	Netherlands	Holland America	United States	3	1600	4800	Cruise Only
<b>Total</b>				<b>7</b>		<b>8680</b>	

IAATO Members Seaborne Tourism – Continental/Ross Sea – 2016 - 2017							
Vessels	Vessel Registry	Operator/ Charterer	Country	Est. # Voyages	Est. # Average Load	Est. # of Passengers	Activities incl. landings
<i>Akademik Shokalskiy</i>	Russia	Heritage Expeditions	Australia	3	46	138	small boat landings
<i>Bremen</i>	Bahamas	Hapag-Lloyd Kreuzfahrten	Germany	1	130	130	small boat landings
<i>Ortelius</i>	Cyprus	Oceanwide Expeditions	Netherlands	2	92	184	small boat landings, small boat cruising, camping, kayaking, hiking, SCUBA, mountaineering, snowshoeing, helicopter
<i>Spirit of Enderby</i>	Russia	Heritage Expeditions	New Zealand	2	49	98	small boat landing
<i>The World</i>	Bahamas	The World of Residensea	United States	1	175	175	small boat cruising, small boat landing
<b>Total</b>				<b>9</b>		<b>725</b>	

IAATO Members Deep Field Tourism – 2016 - 2017						
Operator	Country	Antarctic Area Visited	Aircraft Used	Est. # Average Load	Est. # of Passengers	Activities
<i>Adventure Network International/Antarctic Logistics and Expeditions (ALE)</i>	United States	Ellsworth Mountains, West Antarctic South Pole	Ilyushin-76, Twin Otter, DC3 Basler		400	aircraft landing, camping, climbing, skiing, kiting, science support
<i>Arctic Trucks</i>	United Kingdom	Droning Maud Land, South Pole	Through TAC		18	Traverse, logistic support, science support
<i>The Antarctic Company (TAC)</i>	Varies	Droning Maud Land, South Pole	Ilyushin-76, Twin Otter, DC3 Basler		80	aircraft landing, camping, climbing, skiing, kiting
<i>White Desert (WDL)</i>	United Kingdom	Droning Maud Land, South Pole	Through TAC		60	aircraft landing, camping, overland transport, skiing
<b>Total</b>					<b>558</b>	

## SUMMARY OF ESTIMATES for 2016-2017 SEASON

(All Tourist Types)

\*Note all numbers and company status are subject to change and are preliminary estimates only

Types of Tourism	Number of Vessels	Number of Departures	Total Number of Passengers
<i>IAATO Traditional Seaborne Tourism Peninsula</i>	27	222	30426
<i>IAATO Seaborne Tourism Ross Sea/Continental</i>	5	9	725
<i>IAATO Sailing Vessels/Yachts</i>	17	39	342
<i>IAATO Air/Cruise Peninsula</i>	9	51	3154
<i>IAATO Large Ships Cruise-Only/Peninsula</i>	4	7	8680
<i>IAATO Deep Field Tourism</i>			558
<b>Total</b>		<b>328</b>	<b>43,885</b>