



Antarctic Treaty

Electronic Information Exchange System

Party: United Kingdom
2016/2017 Annual Information

Scientific Information - Forward Plans

Science Plan/Program/Project: Polar Science for Planet Earth

Planned Operating Period: From 01 Oct 2016 To 01 Oct 2017

Organisation:

Name: David Vaughan

Contact Point: **Job Title or Position:** Director of Science

Phone:

Email: dgv@bas.ac.uk

Details/Description: See <https://www.bas.ac.uk/science/our-research/our-strategy/>

Link (URL): <https://www.bas.ac.uk/science/our-research/our-strategy/>

Additional Information:

Discipline:

Atmospheric sciences, Analytical chemistry, Animal tracking, Atomic/molecular physics, Biochemistry, Biogeography, Bioinformatics, Biological sciences - other, Biology, Botany, Climate studies, Data processing, Ecology, Bacteriology, Cell and molecular biology, Developmental biology, Earth and atmospheric sciences - other, Ecosystem modelling, Environmental policy, Environmental sciences, Fisheries management, Fisheries modelling, Genetics, Geochemistry, Geology, Geomorphology, Geophysics and seismology, Limnology, Glaciology, Human Impacts, Oceanography, Zoology, Volcanology, Soil biology, Physics, Physical chemistry, Paleontology, Paleobiology

Areas of Activity

Antarctica

Scientific Information - Science Activities in Previous Year

Project Name/Number:	Polar Science for Planet Earth
Discipline:	
Principal Investigator:	Dr Robert Mulvaney, Dr John King, Professor Eugene Murphy, Dr Michael Meredith, Professor Lloyd Peck, Professor Richard Horne, Dr Fausto Ferracioli, Professor Dominic Hodgson
Main Activity/ Remarks:	Science research
Link (URL):	https://www.bas.ac.uk/about/about-bas/our-organisation/our-science-teams/
Additional Information:	
Operating Period:	From: To:
	Areas of Operation

Operational Information – National Expeditions - Stations

Name:	Halley
Type:	Wintering
Location:	Site Name: Halley (1988) Lat: 75°35´S Long: 26°14´W
Maximum Population:	76
Medical Facilities:	Full surgery & year round doctor, 2 doctors in summer
Remarks / Description:	Location of base is variable as ice shelf moves. Geospace, ozone and meteorological observatory, Clean air laboratory (CASLAB), skyway

Name:	Rothera
Type:	Wintering
Location:	Site Name: Rothera Lat: 67°34´03´´S Long: 68°07´47´´W
Maximum Population:	134
Medical Facilities:	Full surgery & year round doctor, 2 doctors in summer
Remarks / Description:	Scientific station with laboratories, wharf and airfield

Name:	Fossil Bluff
Type:	Summer
Location:	Site Name: Fossil Bluff Lat: 71°20´00´´S Long: 68°16´40´´W
Maximum Population:	4
Medical Facilities:	
Remarks / Description:	Forward logistics facility with skiway
Operating Period:	From: October To: February

Name:	Signy
Type:	Summer
Location:	Site Name: Signy Lat: 60°42´30´´S Long: 45°35´42´´W
Maximum Population:	8
Medical Facilities:	Medical room & advanced first aider
Remarks / Description:	Terrestrial and freshwater biological laboratory
Operating Period:	From: November To: March

Name:	Sky-Blu
Type:	Summer
Location:	Site Name: Sky-Blu Lat: 74°50′56″S Long: 71°34′21″W
Maximum Population:	15
Medical Facilities:	
Remarks / Description:	Forwards logistics facility with blue ice runway
Operating Period:	From: October To: February

Name:	Blaiklock Island
Type:	Refuge
Location:	Site Name: Blaiklock Island Lat: 67°33′S Long: 67°04′W
Accommodation Capacity:	4
Medical Facilities:	No medical facilities
Remarks / Description:	On beach on west coast of Blaiklock Island, Bigourdan Fjord; established March 1957. Food and fuel. Used intermittently by BAS field parties from Rothera Research Station. Considered to be part of Horseshoe Island base and designated along with Horseshoe as Historic Site and Monument No. 63 at the XIX ATCM in March 1995. Last visited by BAS personnel in 1999.

Name:	Cummings
Type:	Refuge
Location:	Site Name: Cummings Cove Lat: 60°43′25″S Long: 45°40′00″W
Accommodation Capacity:	2
Medical Facilities:	Basic medical facilities.
Remarks / Description:	At Cummings Cove, Signy Island. Close proximity to Signy Research Station. Scientific field hut visited regularly by BAS personnel from Signy Station. Food and fuel. Basic medical facilities.

Name:	Foca
Type:	Refuge
Location:	Site Name: Foca Cove Lat: 60°41′45″S Long: 45°38′39″W
Accommodation Capacity:	4
Medical Facilities:	First aid facilities at hut.
Remarks / Description:	At Foca Cove, Signy Island. Close proximity to Signy Research Station on opposite side of the island. Scientific field hut visited regularly by BAS personnel from Signy Station. Food and fuel.

Name:	Gourlay
Type:	Refuge
Location:	Site Name: Gourlay Point Lat: 60°43´56´´S Long: 45°34´53´´W
Accommodation Capacity:	2
Medical Facilities:	First aid facilities at hut
Remarks / Description:	On Gourlay Peninsula overlooking Rock Haven, Signy Island. Close proximity to Signy Research Station, 3 km overland. Scientific field hut visited regularly by BAS personnel from Signy Station. Food and fuel at hut. A new hut was built at this location in March 2007, and the old hut demolished and removed

Name:	Lagoon Island
Type:	Refuge
Location:	Site Name: Lagoon Island Lat: 67°35´40´´S Long: 68°14´10´´W
Accommodation Capacity:	4
Medical Facilities:	Basic medical facilities
Remarks / Description:	On small rocky beach on Lagoon Island, part of the Anchorage Islands; established November 1989. Food and fuel. Used regularly by field parties from Rothera Research Station.

Name:	Rasmussen Peninsula
Type:	Refuge
Location:	Site Name: Rasmussen Peninsula Lat: 68°53´S Long: 67°13´W
Accommodation Capacity:	4
Medical Facilities:	No medical facilities
Remarks / Description:	At 9 m above sea level, attached to mainland east of the Argentine Islands; established March 1984. Last inspected by BAS personnel in March 1991. Hut now used regularly by scientists and support staff from the Ukrainian Antarctic research programme operating from Vernadsky.

Name:	Station C - Cape Geddes
Type:	Refuge
Location:	Site Name: Cape Geddes Lat: 60° 41´ 00´´ S Long: 44° 34´ 00´´ W
Accommodation Capacity:	4
Medical Facilities:	No medical facilities on site
Remarks / Description:	On north coast of Laurie Island; established January 1946 and evacuated in March 1947. Occasionally used by other national operators as a field refuge. A demolition feasibility study was undertaken at Cape Geddes in March 2007. The study concluded that the site is environmentally sensitive and that demolition could not be undertaken during the austral summer without resulting in greater environmental impact than leaving it in situ.

Name:	Waterpipe
Type:	Refuge
Location:	Site Name: Waterpipe Beach Lat: 60°42′00″S Long: 45°36′30″W
Accommodation Capacity:	2
Medical Facilities:	First aid facilities at the hut
Remarks / Description:	Situated on a rocky outcrop by Waterpipe Beach. Installed in 1999/2000 as a refuge hut and visited regularly by BAS personnel from Signy Station. Food and fuel at hut.

Name:	Damoy
Type:	Other
Location:	Site Name: Dorian Bay Lat: 64°49′S Long: 63°30′W
Medical Facilities:	No medical facilities
Remarks / Description:	At Dorian Bay on west coast of Wiencke Island; established November 1975. No fuel. Hut in good order. Visited by BAS personnel in March 2005 when a leaking fuel drum removed, and again in the 2007/08 austral summer when other hazardous materials were removed. The site was designated HSM 84 by Measure 14 (2009). The site is now managed by the UK Antarctic Heritage Trust.

Name:	Detaille island
Type:	Other
Location:	Site Name: Detaille Island Lat: 66°52′S Long: 66°48′W
Medical Facilities:	No medical facilities
Remarks / Description:	On small rocky island at entrance to Lallemand Fjord, Loubet Coast; established February 1956. The hut is habitable. Visited by BAS personnel in March 1997 when the hut was cleaned up and hazardous waste removed. A survey of the site was undertaken as part of a wider heritage survey during the 2006/07 austral summer. The site was designated HSM 83 by Measure 14 (2009). The site is managed by the UK Antarctic Heritage Trust.

Name:	Horseshoe Island
Type:	Other
Location:	Site Name: Sally Cove Lat: 67°48′S Long: 67°17′W
Medical Facilities:	No medical facilities
Remarks / Description:	In Sally Cove on north west coast of Horseshoe Island; established 11 March 1955. Food and fuel. Used regularly by field parties from Rothera Research Station and occasionally by other national operators. Designated as Historic Site and Monument No 63 at the XIX ATCM in March 1995. A programme of renovation was carried out during March 1997. A survey of the site was undertaken as part of a wider heritage survey during the 2006/07 austral summer. Asbestos sampling was carried out during the 2011/12 austral summer.

Name:	Port Lockroy
Type:	Other
Location:	Site Name: Goudier Island Lat: 64°49′30″S Long: 63°29′36″W
Medical Facilities:	Basic first aid medical facilities
Remarks / Description:	On Goudier Island, a small rocky island in a sheltered harbour on the west coast of Wiencke Island; established February 1944. Designated as Historic Site and Monument No 61 at the XIX ATCM in 1995. Base repaired and cleaned up by five-man team in February 1996. Since then the station has been opened for visitors and further work carried out during each summer season. The British Antarctic Survey has undertaken the conservation work with the guidance of the United Kingdom Heritage Trust and the UK Foreign and Commonwealth Office. The operation of Port Lockroy was handed over to the UK Antarctic Heritage in July 2006.

Name:	Stonington Island
Type:	Other
Location:	Site Name: Stonington Island Lat: 68°11′S Long: 67°00′W
Medical Facilities:	No medical facilities
Remarks / Description:	On small rocky island, Fallières Coast; established February 1946. Buildings watertight and in reasonable condition. Clean-up by two-man team in February 1992 with removal of fuel, hazardous wastes and empty drums. Designated as Historic Site and Monument No 64 at the XIX ATCM in March 1995. Emergency repair work undertaken by two-man team during January 2003. A survey of the site was undertaken as part of a wider heritage survey during the 2006/07 austral summer. Asbestos sampling was carried out during the 2011/12 austral summer.

Name:	Wordie House
Type:	Other
Location:	Site Name: Stella Creek Lat: 65°15′S Long: 64°16′W
Medical Facilities:	No medical facilities
Remarks / Description:	On opposite side of Stella Creek to Ukrainian Vernadsky Research Station. Established in 1947 on the site of the 1937/38 British Graham Land Expedition hut. In view of close proximity (0.75 km) to Vernadsky station it is not regarded as an emergency refuge and so does not hold food and fuel stock. Designated as Historic Site and Monument No 62 at the XIX ATCM in 1995. A survey of the site was undertaken as part of a wider heritage survey during the 2006/07 austral summer. Jointly managed by UK/Ukraine

Operational Information – National Expeditions - Vessels

Name:		RRS Ernest Shackleton			
Country of Registry:		United Kingdom			
Number of Voyages:		34			
Remarks:					
Depart. Date	Depart. Port	Arrival Date	Arrival Port	Areas of Operation	Purpose
14 Jul 2016	Frederikshavn	14 Jul 2016	Frederikshavn		
19 Jul 2016	Frederikshavn	21 Jul 2016	Harwich		
24 Jul 2016	Harwich	25 Jul 2016	Portsmouth		
25 Jul 2016	Portsmouth	03 Aug 2016	St Johns, Canada		
08 Aug 2016	St Johns, Canada	08 Sep 2016	Sisimiut, Greenland		
08 Sep 2016	Sisimiut, Greenland	09 Sep 2016	Nuuk Greenland		
09 Sep 2016	Nuuk Greenland	13 Sep 2016	St Johns, Canada		
15 Sep 2016	St Johns, Canada	23 Sep 2016	Frederikshavn		
23 Sep 2016	Frederikshavn	14 Oct 2016	Frederikshavn		
14 Oct 2016	Frederikshavn	16 Oct 2016	Immingham		
24 Oct 2016	Immingham	26 Oct 2016	Portsmouth		
26 Oct 2016	Portsmouth	22 Nov 2016	Stanley		
26 Nov 2016	Stanley	29 Nov 2016	KTP (SG)		
01 Dec 2016	KEP (SG)	02 Dec 2016	Bird Island		
06 Dec 2016	Bird Island	09 Dec 2016	Stanley		
14 Dec 2016	Stanley	17 Dec 2016	Signy		
17 Dec 2016	Signy	25 Dec 2016	Halley		
01 Jan 2017	Halley	11 Jan 2017	Bird Island		
11 Jan 2017	Bird Island	14 Jan 2017	Stanley		
18 Jan 2017	Stanley	21 Jan 2017	Bird Island		
21 Jan 2017	Bird Island	06 Feb 2017	Ronne (Alternative sites)		
10 Feb 2017	Ronne (Alternative sites)	18 Feb 2017	Neumayer		
19 Feb 2017	Neumayer	21 Feb 2017	Halley		
04 Mar 2017	Halley	12 Mar 2017	Signy		
12 Mar 2017	Signy	15 Mar 2017	Stanley		
19 Mar 2017	Stanley	22 Mar 2017	Bird Island		
25 Mar 2017	Bird Island	26 Mar 2017	KEP (SG)		
02 Apr 2017	KEP (SG)	04 Apr 2017	Signy		
08 Apr 2017	Signy	11 Apr 2017	Horseshoe		
11 Apr 2017	Horseshoe	12 Apr 2017	Rothera		
16 Apr 2017	Rothera	21 Apr 2017	Stanley		
25 Apr 2017	Stanley	29 Apr 2017	Montevideo		
01 May 2017	Montevideo	26 May 2017	UK Port tbc		

Name:		RRS James Clark Ross			
Country of Registry:		United Kingdom			
Number of Voyages:		16			
Remarks:					
Depart. Date	Depart. Port	Arrival Date	Arrival Port	Areas of Operation	Purpose
16 Jul 2016	Immingham	18 Jul 2016	Frederikshavn		
13 Aug 2016	Frederikshavn	16 Aug 2016	Frederikshavn		
08 Sep 2016	Frederikshavn	10 Sep 2016	Immingham		
20 Sep 2016	Immingham	22 Sep 2016	Portsmouth		
22 Sep 2016	Portsmouth	28 Sep 2016	Azores		
30 Sep 2016	Azores	04 Nov 2016	Stanley		
08 Nov 2016	Stanley	11 Nov 2016	Signy		
14 Nov 2016	Signy	27 Nov 2016	Rothera		
30 Nov 2016	Rothera	05 Dec 2016	Stanley		
10 Dec 2016	Stanley	13 Jan 2017	Stanley		
17 Jan 2017	Stanley	05 Mar 2017	Punta Arenas		
10 Mar 2017	Punta Arenas	04 May 2017	Montevideo		
07 May 2017	Montevideo	18 May 2017	Ascension Island		
20 May 2017	Ascension Island	04 Jun 2017	Ascension Island		
07 Jun 2017	Ascension Island	20 Jun 2017	Southampton		
26 Jun 2017	Southampton	02 Jul 2017	Arctic Cruise TBC onsite		

Operational Information – Non Governmental Expeditions - Vessel-Based Operations

Operator:	Name:	EYOS Expeditions Limited (M/Y Legend)			
	Contact Address:	Kissick Court, 29 Parliament Street, Ramsey, Isle of Man IM8 1AT			
	Email Address:	rob@expeditionvoyage.com			
	Website Address:	http://www.expeditionvoyage.co.uk/index.htm			
Name of Vessel:	M/Y Legend				
Country of Registry:	Panama				
Number of Voyages:	0				
Maximum Crew:	24				
Maximum Passengers:	26				
Remarks:	Tourist cruise Antarctic Peninsula.				
Voyages:					
Depart. Date	Depart. Port	Arrival Date	Arrival Port	Expedition Leader	

Operator:	Name:	EYOS Expeditions Ltd (MY Alucia)
	Contact Address:	Knox House, 16-18 Finch Road, Douglas, Isle of Man IM1 2PT
	Email Address:	rob@eyos-expeditions.com
	Website Address:	www-expeditions.com
Name of Vessel:	M/Y Alucia	
Country of Registry:	Marshall Islands	
Number of Voyages:	0	
Maximum Crew:	34	
Maximum Passengers:	12	
Remarks:	Tourism (zodiac cruises, kayaking) and commercial filming (scuba diving, submersibles, UAV, helicopter)	
Voyages:		

Depart. Date	Depart. Port	Arrival Date	Arrival Port	Expedition Leader
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Operator:	Name:	Hans Hansson		
	Contact Address:	Beaver Island, Falkland Islands, FIQQ1ZZ		
	Email Address:	contact@hanshansson.net		
	Website Address:	http://www.goldenfleeceexp.co.fk/english/prices_en.html		
Name of Vessel:	Hans Hansson			
Country of Registry:	United Kingdom			
Number of Voyages:	0			
Maximum Crew:	4			
Maximum Passengers:	12			
Remarks:	Tourism cruise to South Shetland Islands and western coast of Antarctic peninsula as far south as Detaille Island.			
Voyages:				

Depart. Date	Depart. Port	Arrival Date	Arrival Port	Expedition Leader
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Operator:	Name:	Pelagic Expeditions Ltd
	Contact Address:	171 Main Street Road Town Tortola BVI
	Email Address:	skipnovak@pelagic.co.uk
	Website Address:	
Name of Vessel:	S/Y Pelagic Australis	
Country of Registry:	British Virgin Islands	
Number of Voyages:	0	
Maximum Crew:	3	
Maximum Passengers:	9	
Remarks:	Three sailing cruises around the South Shetlands and the west coast of Antarctica, one of which will involve commercial filming and one of which will involve camping, skiing and climbing.	
Voyages:		

Depart. Date	Depart. Port	Arrival Date	Arrival Port	Expedition Leader
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Operational Information – Non Governmental Expeditions - Land-Based Operations

No new information have been provided during the reported period.

Environmental Information - Environmental Impact Assessment (IEE/CEE List - Annex I)

Type:	IEE
Title:	BEAMISH ANTARCTICA
Organization(s) responsible:	British Antarctic Survey
Activity:	To improve the understanding of uncertainty in predicting future sea level rises
Topics:	- Drilling (ice/rock) - Science
Locations:	Site name: Rutland Ice Stream Latitude: 79° 00' 00'' S Latitude: 81° 00' 00'' W
Period/length of the activity:	
Decision/Comment:	Proceed - No more than a minor transitory impact.

Type:	IEE
Title:	Filchner Ice Sheet System
Organization(s) responsible:	British Antarctic Survey
Activity:	To gain a better understanding of the interaction of the ice shelf and ocean shelf seas
Topics:	- Drilling (ice/rock) - Science
Locations:	Site name: Filchner-Ronne Ice Shelf Latitude: Latitude:
Period/length of the activity:	
Decision/Comment:	Proceed - No more than a minor or transitory impact.

Type:	IEE
Title:	Halley Relocation Project
Organization(s) responsible:	British Antarctic Survey
Activity:	To relocate Halley VI Research Station 2016/17 and 2017/18
Topics:	- Construction / operation of facilities - Science - Waste management
Locations:	Site name: Halley Research Station, Brunt Ice Shelf Latitude: Latitude:
Period/length of the activity:	2016/17 and 2017/18
Decision/Comment:	Proceed - No more than a minor or transitory impact

Type:	IEE
Title:	Wolfs Fang Runway
Organization(s) responsible:	White Desert Ltd
Activity:	To re-establish a former blue ice runway in Dronning Maud Land in 2016
Topics:	- Air facilities: construction / operations
Locations:	Site name: Dronning Maud Land Latitude: Latitude:
Period/length of the activity:	
Decision/Comment:	No more than a minor or transitory impact.

Environmental Information - Area Protection and Management (Permit, Visit and Activities)

No new information have been provided during the reported period.

Environmental Information - Area Protection and Management (Change or Damage)

No change or damage was observed during this reporting period.