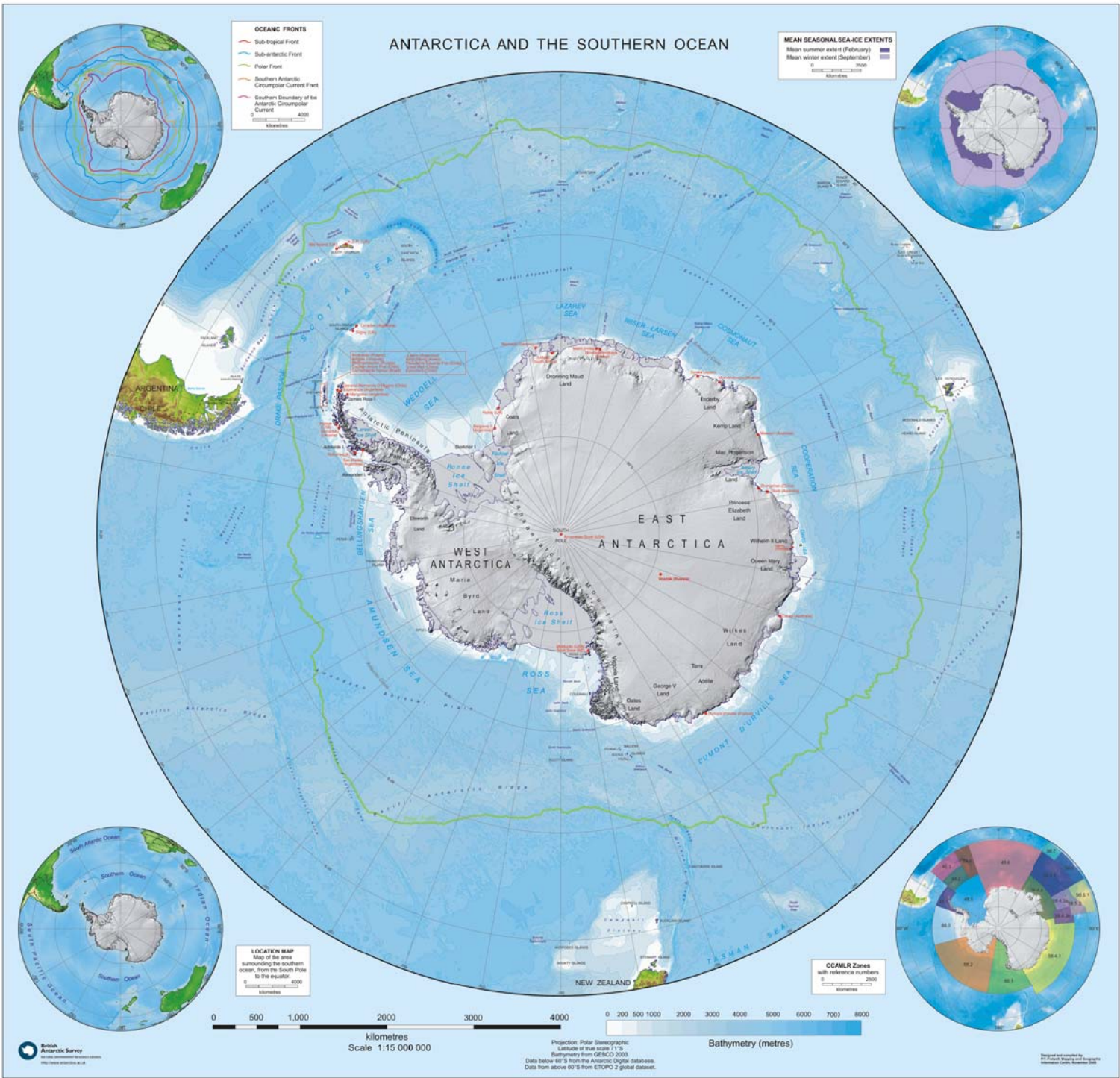


# Women of **Antarctica**

2011 CALENDER



# ANTARCTICA AND THE SOUTHERN OCEAN



# OTHER SIGNIFICANT DATES

January	September
<p><b>1773:</b> Captain James Cook and his crew become the first men to cross the Antarctic Circle. Two years later he sailed past South Georgia and discovered the South Sandwich Islands.</p> <p><b>1821:</b> Bellingshausen (the first person to see the Antarctic Continent in 1820) discovers Peter I Island and the Alexander Islands. He completes a circumnavigation of Antarctica being only the second explorer, after Cook, to do so.</p> <p><b>1922:</b> at the age of 48, Ernest Shackleton dies of a heart attack. On board the QUEST at the time, Shackleton is buried on South Georgia.</p>	<p><b>1519:</b> Ferdinand Magellan sails from Spain in search of a westerly route to the Indies. Sailing down the coast of South America he discovered the narrow straight passing through to the Pacific Ocean which today bears his name. To the south lies Tierra del Fuego which the early geographers assumed to be the edge of the southern continent.</p>
	October
	<p><b>1908:</b> Ernest Shackleton, Frank Wild, Eric Marshall and Jameson Adams attempt to reach the South Pole. Within 30 days they have surpassed Scott's effort in 1903. Reaching within 97 nautical miles, the group is severely ill and undernourished requiring them to abandon their attempt on the pole.</p>
February	November
<p><b>1821:</b> American sealer John Davis becomes the first person to land on the continent. Two years later, Englishman James Weddell sails to 74 degrees south. The farthest south yet reached and the penetrated sea bears his name today. Except for possibly Morrell, no one is able to penetrate this sea again for eighty years.</p> <p><b>1899:</b> Carsten Borchgrevink and crew of the SOUTHERN CROSS land at Cape Adare. They build huts and become the first to winter over on the continent.</p>	<p><b>1820:</b> American Nathaniel Palmer, on the HERO, claims to see the Antarctic Peninsula. Palmer was a member of a sealing fleet from New England. Only 19 years old, he was dispatched from the sealing grounds in the South Shetlands by his commanding officer to search for land to the south.</p> <p><b>1892:</b> Captain Carl Larsen of the JASON lands near the Antarctic Peninsula on Seymour Island. Discovering a number of fossils, this becomes the first evidence of a prior warmer climate.</p>
April	December
<p><b>1675:</b> Antonio de la Roché is blown south of Cape Horn and experiences the first sighting of South Georgia.</p> <p><b>1916:</b> Shackleton and five of his men leave Elephant Island in the lifeboat JAMES CAIRD. In 15 days they arrive at South Georgia. Unfortunately, they made land on the wrong side of the island and Shackleton, Tom Crean and Frank Worsley had to cross the island through difficult terrain to reach the whaling station at Stromness.</p>	<p><b>1904:</b> Carl Larsen builds the first whaling station at Grytviken on South Georgia. Before ten years elapse, over 20 stations and factory ships are operating in this region.</p> <p><b>1911:</b> On December 14, Norwegian Roald Amundsen and four team members reach the South Pole. Amundsen discovered a new route which took only 57 days. Letters are left for Scott, a Norwegian flag planted and then they return to the Bay of Whales.</p> <p><b>1912:</b> Douglas Mawson must begin his lone trek across George V Land back to his base at Commonwealth Bay. Mawson's two companions had died and despite the tragedy, he makes it home. A new section of coast is discovered and radio is used for the first time in Antarctica.</p>
August	
<p><b>1592:</b> Englishman John Davis, in the DESIRE, discovered the Falkland Islands. This was a tragic expedition as the crew was forced to eat some 14,000 penguins which they were forced to kill for food. Stored as properly as possible, once they reached the tropics the penguin meat spoiled and subsequently only 16 members of the original crew of 76 ever reached home shores.</p>	



**Dr. Melody Clark** - *BAS Ecosystems Scientist*  
Rothera 2006, 2008, 2010; Arctic 2005, 2007

My studies focus on how animals adapt to the extreme cold and how they may react to predicted climate change. What do I do exactly? I sequence the genes of small native animals. (They don't let me near the large cute and cuddly animals!) It's a challenging role, as after years of hiding in a lab wearing a white coat, I've discovered the joys of fieldwork (and getting very cold and very wet,) so I now also know what an animal looks like, rather than a string of A's, T's, G's and C's!

Photo by Professor Lloyd Peck

# JANUARY 2011

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						<b>1</b> <i>On <b>January 18 1912</b>: Robert F. Scott, Edward Wilson, Edgar Evans and Lawrence Oates reach the South Pole. Unfortunately, Amundsen had already been there and left a flag marking the spot. Terribly discouraged after a tortuous journey, all members perish on the return trip. Scott, Wilson and Bowers die in their tent after using up all fuel and food. The three are not discovered until November.</i> New Year's Day
<b>2</b>	<b>3</b> New Year's Day Holiday (UK)	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>
<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>
<b>16</b>	<b>17</b> M L King Day (US)	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>
<b>23</b>	<b>24</b>	<b>25</b> Burns Night (UK)	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>
<b>30</b>	<b>31</b>	<i><b>January 1947</b>: OPERATION HIGHJUMP is organized by the US Navy. A total of 4700 men, 13 ships and 23 aircraft are involved. A base is set up at Little America. Extensive mapping of the coast and interior is accomplished. Over 70,000 aerial photographs are taken.</i>				



**Dr Rosie Chance** - *Marine Scientist, University of East Anglia, Norwich*  
RRS James Clark Ross summer 2004, Rothera summer 2005-06 and 2009.

When I was eight I had a huge poster of Antarctica on my wall, and I still can't quite believe I have been lucky enough to spend time there. I am a scientist looking at how microscopic marine plants affect the chemical composition of seawater, which in turn may have an impact on climate. My work involves collecting water samples from research ships and small inflatable boats. The first time I went sampling at Marguerite Bay, a penguin jumped clean out of the ice strewn waters and landed on our boat.



# FEBRUARY 2011

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<i>February 1819: Englishman William Smith is blown to the south while rounding Cape Horn and discovers the South Shetland Islands, claiming them for Great Britain.</i>		1	2	3	4	5
6	7	8	9	10	11	12
13	14 Valentine's Day	15	16	17	18	19
20	21 Presidents' Day (US)	22	23	24	25	26
27	28	<i>February 1902: Swedish geologist, Otto Nordenskjöld, and five crew members are left on Snow Hill Island where they spend two winters. It was during this expedition that the first major sledge journey in Antarctica took place; some 400 miles. Unfortunately, their ship Antarctic was crushed in the ice pack after leaving the crew on the island thereby creating two separate groups of explorers. Miraculously, the second crew was able to survive the winter and find their way back to Snow Hill Island where the whole party was rescued in 1903 by an Argentinean relief ship.</i>				



**Liz Homer - Field Assistant**  
**All the bases!!**

Climbing and skiing had always been a passion. I never imagined I would fulfill a dream to work in the Antarctic. I spent 2 and a half years as a Field Assistant working on Signy, Bird Island, King Edward Point, Halley, and Rothera stations. My job involved working with scientists in the field, supporting them whilst they carry out vital research; skidoo travel, skiing, climbing or simply making cups of tea. Highlights include an amazing six months working with 1000 of penguins, working off HMS Endurance with the helicopters on a geology project, seeing the sun after too many days of darkness, and having a shower back at base after 3 months of camping!





# MARCH 2011

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<p><i>March 1898: Adrian de Gerlache and crew in the BELGICA become trapped in the pack ice off the Antarctic Peninsula. They drift helplessly for a year becoming the first to survive an Antarctic winter.</i></p>		1	2	3	4	5
6	7	8 Shrove Tuesday (UK) (Pancake Day)	9	10	11	12
13	14	15	16	17 St. Patricks Day	18	19
20	21	22	23	24	25	26
27 British Summer Time (BST) Begins (UK)	28	29	30	31		



**Sian Henley** - *PhD Visiting Scientist*  
Rothera Summer 2008-09 & 2009-10

Conducts research into the physical, chemical and biological factors affecting the phytoplankton bloom in Ryder Bay, Rothera each summer season.

This picture was taken last summer to send to my Mum, Cathy as the 8,000 miles between us meant I couldn't see her, but I wanted to send something to let her know I was thinking of her. Skiing and snowboarding at 'Vals' is always a favourite at Rothera - a great slope with the most spectacular views, and very few people, so probably one of the few places safe for me to snowboard!



# APRIL 2011

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<i>April 1912: Scott's Northern Party give up hope of the TERRA NOVA arriving to pick them up before winter sets in. The six men must dig a cave out of a snow bank where they live for six months on penguin and seal meat.</i>					1	2
3  Mothers Day (UK)	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22  Good Friday (UK)	23
24  Easter Sunday	25  Easter Monday (UK)	26	27	28	29	30



**Dr. Claire Lehman** - *BAS Medical Unit Rothera*  
November 2009 to April 2011

My daily routine can be pretty varied, although always includes a morning walk-in surgery. Medically I am focused to be prepared; this involves practice scenarios and training base members, from first aid to being anaesthetic, radiology or dental assistants.

For a small medical facility we have a lot of kit, even a hyperbaric chamber and surgical facilities. During the winter we are isolated for six months from the outside world so we need to be able to cover any eventuality; our pre-deployment medical training prepares us for this accordingly.

It is truly a pleasure and a privilege to work in Antarctica.



# MAY 2011

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2 May Bank Holiday (UK)	3	4	5	6	7
8 Mother's Day (US)	9	10	11	12	13	14
15	16	17	18	19	20	21 Armed Forces Day (US)
22	23	24	25	26	27	28
29	30 Spring Bank Holiday (UK) Memorial Day (US)	31				



**Dr. Colette Mesher** - *Marine Biologist Rothera*  
November 2009 to April 2012

I have the privilege of diving in all sorts of conditions. This picture was taken of my first dive under sea ice at Hangar cove. The divers are linked to the surface of the ice with a 100m line. We wear thick dry suits and full face masks to protect us from the cold water. Collections of animals for use in the aquarium as well as long term monitoring projects can only be accomplished with diving throughout the year.

Photo by Jonathon James

# JUNE 2011

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19 Father's Day (UK, US)	20	21 Midwinter's Day (Antarctica)	22	23	24	25
26	27	28	29	30		



**Terri Souster - Marine Assistant**  
Rothera – December 2008 to April 2011

The Marine team dive from boats during the summer and through dive holes in the sea ice during the winter. This headshot photo was taken 31st July (the day after my birthday) at Mackay Point on the sea ice. It was a beautiful sunny calm -25 degrees day. As you can see my hair froze. There were 6 of us in the sea ice party and we were drilling the ice thickness every 300m. The ice thickness was between 25 and 40cm thick and the distance of travel across the sea ice was about 4km. The main picture shows us taking CTD\* measurements to depths of 500m through a hole in the sea ice. \* Conductivity, Temperature, Depth





# JULY 2011

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3	4 Independence Day (US)	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	<i>July 1957: International Geophysical Year begins with Antarctica the main effort of scientists from 67 countries over the next 18 months. Twelve new bases are constructed with the Amundsen-Scott base at the South Pole (American) constructed for the OPERATION DEEPFREEZE expeditions.</i>					



**Helen Atkinson** - *PhD student*  
BAS and University of East Anglia

I study atmospheric chemistry and marine biology in the polar regions. I'm especially interested in the emission of compounds which contain iodine from small photosynthetic organisms living in sea ice. When I'm working in Antarctica I make ice cores, and I also take measurements in the seawater and air. I love working with sea ice, it's beautiful, and I find it incredible that it provides a home to life forms at the bottom of the food chain, making it crucial to life on earth.

Photo by Matt Von Tersch

# AUGUST 2011

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29 Summer Bank Holiday (UK)	30	31	<i>August 1916: On his fourth try, Shackleton reaches Elephant Island in the Chilean ship YELCHO and rescues the 22 survivors from the ENDURANCE. They survived by turning the remaining life boats upside down and setting up living quarters beneath.</i>		



**Amber Annett - PhD Oceanography**  
*University of Edinburgh*  
Rothera summer 2008-09 & 2009-10

I spend most of my time studying processes that go on in the ocean at a scale too small to see. Phytoplankton, the tiny, single-celled algae that grow in the surface waters acting like grass does on land, providing a base for the food chain and representing an important pathway for carbon dioxide to get from the atmosphere into the ocean. But it's helpful to remember the bigger picture sometimes, and this amazing show after a day out sampling was the perfect reminder! Having three humpback whales so close to the boat, enormous and yet stunningly graceful, is one of my most vivid memories of my time at Rothera.

Photo by Matt Edwards

# SEPTEMBER 2011

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<i>September 1578: Francis Drake passes through the Straights of Magellan only to find himself blown significantly southward due to a tremendous storm in the Pacific. This event proved that Tierra del Fuego was separated from any southern continent and the passageway came to be known as the "Drake Passage".</i>				1	2	3
4	5 Labor Day (US)	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	



**Alison Massey - Marine Biologist**  
Rothera – December 2006 to April 2009; KEP Base  
Commander 2009-2010

Regularly scuba-diving to observe the local marine life was an incredible privilege despite -2C temperature. I also took twice weekly sea water samples, temperatures and salinity measurements as part of the long-term scientific monitoring.

Nearing the summit of a mountain called Orca after a challenging climb of snow/ice and rock. Orca is an impressive sight, standing alone and climbing steeply out of the glacial ice. Its base is surrounded by gaping crevasses giving the need for extreme caution on approach. Getting the right weather for such a climb is crucial and on a dingle (blue-sky) day near the end of my second winter we made this memorable ascent.



# OCTOBER 2011

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<p><i>October 1915: Ernest Shackleton has a plan to cross the continent but is forced to abandon this idea as his ship, the ENDURANCE, is crushed in the ice of the Weddell Sea after drifting for nine months. The 28 men must camp on the floating ice for five more months before an opening in the ice allows them to take to the boats for Elephant Island in the South Shetlands. Meanwhile, members of Shackleton's Ross shore party lay depots for the ill-fated group, depots expected to be used by Shackleton and his party on their trek across the continent. Three members die but the rest were eventually rescued in 1917.</i></p>						1
2	3	4	5	6	7	8
9	10 Columbus Day (US)	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30 British Summer Time (BST) Ends (UK)	31 Halloween					

**Ashley Perrin - Rothera and KEP Boating Officer**  
Summer Season 2009-10 & October 2010 to  
December 2011

Part of the Marine team working with visiting scientists, the on base Marine Assistant and Biologist and the Diving Officer to support scientific research at Rothera. My days are varied with boat maintenance, diving, dive coxing and supervising, taking scientist across to the islands in Ryder Bay and providing Search and Rescue Cover for the airplanes on base. I also get to 'play' with a tractor, crane and JCB Teleram. In South Georgia I will be supporting the government officers and scientists in their activities involving applied fisheries and cruise ship visitors.

Photo by Clive Roberts





# NOVEMBER 2011

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5 Guy Fawkes Night (UK)
6	7	8	9	10	11 Veterans Day (US)	12
13 Remembrance Day (UK)	14	15	16	17	18	19
20	21	22	23	24 Thanksgiving Day (US)	25	26
27	28	29	30	<p><i><b>November 1902:</b> Robert F. Scott, Edward Wilson and Ernest Shackleton strike out for the South Pole. Leaving McMurdo Sound heading south across the Ross Ice Shelf, two months later they find themselves at 82 degrees south suffering from snow blindness and scurvy. Forced to return home, they nonetheless cover 3100 miles.</i></p>		



**Tamsin Gray**  
Halley and Rothera 2006-2010

Basking in 24 hour daylight and thousands of miles from friends and family, it takes a little extra effort to make Christmas feel special in Antarctica. I launch a weather balloon most mornings and Christmas day was no exception...

I have been working as a meteorologist for the British Antarctic Survey for the past four years and during that time I have spent more time in Antarctica than away from it! I love the place, the people, and most of all the snow – I even managed to fit in a few snowboarding runs later on Christmas morning.

Photo by Tom

# DECEMBER 2011

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<p><i>December 1959: The twelve leading nations participating in the IGY sign the "Antarctic Treaty" in Washington, DC. The treaty was framed as an agreement so the continent "shall continue forever to be used exclusively for peaceful purposes". The treaty came into effect in 1961 and guarantees access and scientific research in all territory south of 60° latitude.</i></p>				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
Christmas Day	Boxing Day (UK)					

When I was 18 years old my best friend, Ana, died of breast cancer at the age of 32. This year I turned 32 and I realized exactly how much grace she exhibited during her ordeal in the prime of her life. This inspired me to create this calendar in aid of Breast Cancer Research. I met the women in this calendar when I worked in Antarctica during the 2009-2010 Season at Rothera Research station at 67 degrees south. They, like Ana, are amazing, intelligent women with a lot to offer the world in general and the world of science. I hope this calendar inspires you in some way. Boys - this is not a swimsuit edition – the weather is not suitable for that down south!

Thank you for your support,

Ashley Perrin

KEP Boating Officer

British Antarctic Survey

Grytviken, South Georgia,

South Atlantic (Via Falklands), SIQQ 1ZZ

Check out my blog: <http://www.racingyachtmanagement.com/blog>

*The calendar was made possible due to many people (obviously those in it!), including the support of **AlphaGraphics** who printed it at cost and my clients at **Racing Yacht Management** who provide the seed money to pay for the calendar to be printed.*



**alphagraphics**<sup>®</sup>  
Tri-Valley

DESIGN ■ COPY ■ PRINT ► COMMUNICATE

12893 Alcosta Blvd. Ste. A • San Ramon, CA 94583

tel 925.244.9900 • fax 925.244.9911

[www.agtrivalley.com](http://www.agtrivalley.com)

The stations these women were at are run by the British Antarctic Survey funded by the Natural Environment Research Council (the British taxpayer).