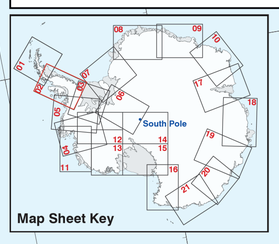

British Antarctic Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL

AIR OPERATIONS PLANNING MAP SERIES

MAP 02: Rothera to Sky Blu

Edition 7, August 2025

Scale 1: 1 000 000, Projection: Polar Stereographic

Spheroid: WGS84 Latitude of true scale: 71°S

∼	Contour (interval 1000 ft)
• *2610*	Estimated spot height (feet)
• *10444*	Highest point on map (feet) NOT A SAFETY ALTITUDE
●	All year scientific station
•	Summer only station
■	Camp/refuge
×	Operations feature
✈	Airfield
∼	Coastline
▨	Lake
▨	Rock outcrop
▨	Ice shelf
○	ASMA
▲ *129*	ASPA (with number) or bird colony
•	Bird colony

Guidelines for the Operation of Aircraft near Concentrations of Birds

The map shows the location of the main breeding concentrations of penguins and petrels in Palmer Land, Southern Graham Land and Alexander Island.

Low flying and unnecessary landings increase the risk of disturbance to wildlife, and in some areas will put your aircraft and crew at risk from bird strike. To minimize the risk to both wildlife and aircraft, follow the guidelines below as closely as your operational requirements allow:

Penguin, giant petrel and other bird colonies are not to be overflown below 2000 ft (~610 m) above ground level, except when operationally necessary.

Landings within 1/2 nautical miles (~930 m) of penguin, giant petrel or other bird colonies should be avoided wherever possible.

Never hover or make repeated passes over wildlife concentrations or fly lower than necessary.

Maintain a vertical separation distance of 2000 ft (~610 m) AGL and a horizontal separation of ¼ nautical mile (~460 m) from the coastline wherever possible.

Cross coasts at right angles and above 2000 ft (~610 m) AGL where possible.

For further information regarding aircraft operations near concentrations of birds see the Antarctic Flight Information Manual (COMNAP) https://www.comnap.aq/air-operations

Warnings:

This map is not an air navigation chart and it is not intended for in-flight navigation.
Contours and spot heights are in feet.
Vertical Datum – EGM08. Heights are geoidal/orthometric (mean sea level).

Data Sources:

Operations Data: COMNAP Antarctic Facilities List (November 2024).
Spot Heights - extracted from REMA v2 2m DEM and generated programatically.
Contours and Hillshade - derived from Polar Geospatial Center REMA v2 100m mosaic. Where there were holes in this dataset, these have been filled with Copernicus GLO-90 Digital Elevation Model, downsampled to 100m. This dataset was smoothed for the purposes of this map.
Howat, Ian, et al., 2022, "The Reference Elevation Model of Antarctica – Mosaics, Version 2", https://doi.org/10.7910/DVN/EBW8UC, Harvard Dataverse, V1, accessed July 2025.
European Space Agency (2024). Copernicus Global Digital Elevation Model. Distributed by OpenTopography. https://doi.org/10.5069/G9028PQB. Accessed 2025-09-22
Bird colony information - MAPPPD and limited local information- absence of a bird colony symbol does not indicate absence of birds. https://www.penguinmap.com/mapppd/ accessed September 2025
Coastline and Seamask - SCAR Antarctic Digital Database (ADD) Version 7.10 (2024).
Antarctic Specially Protected Area (ASPA), Antarctic Specially Managed Area (ASMA) - www.ats.aq
Place names - British Antarctic Territory Gazetteer and the SCAR Composite Gazetteer of Antarctica. Datasets accessed August 2025.

Compiled by P. T. Fretwell, K. Bazeley, C. Day, A. Fox, E. Carr, E. Field. Mapping and Geographic Information Centre, British Antarctic Survey 2004-2025.

Scale 1: 1 000 000

20 km 0 20 40 60 80 km
10 nm 0 10 20 30 40 nm

SCAR
Map Sheet Key
South Pole
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21
67°S
68°S
69°S
70°S
71°S
72°S
73°S
74°S
75°S
60°W
65°W
70°W
75°W
80°W
LARSEN ICE SHELF
MARGUERITE BAY
FOYN COAST
BOWMAN COAST
WILKINS COAST
BLACK COAST
LASSITER COAST
FALLIÈRES COAST
GEORGE VI SOUND
GEORGE VI COAST
ENGLISH COAST
Avery Plateau
DYER PLATEAU
PALMER LAND
ELLSWORTH LAND
ALEXANDER ISLAND
Adelaide Island
Fuchs Ice Piedmont
Rothera
EGAR
129
CVJAL
Carvajal
117
Cornish Islands GPS
SMART
San Martin (Arg.)
Sky Blu
EGAT
Fossil Bluff (UK)
Dismal Island AWS
Faure Is
Kirkwood Is
Pauling Is
Cape Mascart
Sillard Is
Liard I.
Detaille I.
Andresen Island
Hansen I.
Gravier Peaks
Mount Reeves
Mount Bouvier
Day I.
Wyatt I.
Mount Mangin
Mount Gaudry
Mt Liotard
Léonie Is
Cape Adriasola
Avian I.
Henkes Is
Dion Is
107
Jenny I.
Pourquoi Pas I.
Horseshoe I.
115
Camp Point
Millerand I.
Stonington I.
Arrowsmith Peninsula
Lagally
Boyle Mountains
Protector Heights
Tammann Peaks
Mount Deeley
Kinzl Crests
Zilva Peaks
Slessor Peak
Erskine Gl.
Drummond Gl.
McCance Gl.
Wilkinson Gl.
Murphy Glacier
Gould Gl.
Breitfuss Gl.
Southard Promontory
Mount Denuce
Cole Peninsula
Stanley I.
Spur Point
Churchill Peninsula
Cape Alexander
Veier Head
Cape Robinson
Bawden Ice Rise
Fricker Gl.
Mount Dater
Hess Inlet
Mamelon Point
Finsterwalder Gl.
Demorest Gl.
Flint Gl.
Cape Northrop
Matthes Gl.
Francis I.
Lewis Gl.
Forbes Gl.
Ahlmann Gl.
Tonkin I.
Three Slice Nunatak
Bills Gulch
Northeast Gl.
Joerg Peninsula
Mt Dudley
Gibbs Glacier
Hadley Upland
Bermel Peninsula
Periphery Point
Lammers Glacier
Mercator Ice Piedmont
Werner Peak
The Fid
Weyerhaeuser Gl.
Hitchcock Heights
Kenyon Peninsula
Cape Agassiz
Table Nunatak
Poseidon Pass
Cape Keeler
Gipps Ice Rise
Terra Firma Is
Cape Berteaux
Mushroom I.
Rasmussen Peninsula
Clarke Glacier
Hariot Glacier
Morgan Upland
Casey Glacier
Scripps Heights
Cape Hinks
Wakefield Highland
Airy Glacier
Davies Top
Lurabee Glacier
Hearst I.
Cape Rymill
Forster Ice Piedmont
Seller Glacier
Bristly Peaks
Fleming Glacier
Rendezvous Rocks
Crescent Scarp
Eternity Range
Mount Faith
Mount Hope
Mount Charity
Anthony Glacier
Ewing Island
Bugge Is
Mica Is
Mount Edgell
Rhyolite Is
Eureka Glacier
Traverse Mountains
Mt Allan
Riley Glacier
Mount Pitman
Mount Eubanks
Goettel Escarpment
Chapman Glacier
Mount Courtauld
Orion Massif
Mt Rigel
Creswick Peaks
Millett Glacier
Perseus Crags
Mount Lepus
Bertram Glacier
Taurus Nunataks
Mount Duemler
Columbia Mountains
Dalziel Ridge
Hughes Ice Piedmont
Cape Collier
Pinther Ridge
Clifford Glacier
Eland Mountains
Daniels Hill
Laine Hills
Eielson Peninsula
Cape Boggs
Dolleman Island
Welch Mountains
Mt Acton
Yates Glacier
Dana Glacier
Parmelee Massif
Murrish Glacier
Steele Island
Marshall Peak
Cape Bryant
Pegasus Mountains
Ryder Glacier
Carina Heights
Batterbee Mountains
Mount Bagshawe
Elliott Hills
Gutenko Mountains
Mount Jackson
Waitt Peaks
Cline Glacier
Muus Glacier
Cape Healy
Schirmacher Massif
Cape MacDonald
Cadle Monolith
Rathbone Hills
Guthridge Nunataks
Condor Peninsula
Cape Knowles
Cape Hattersley-Smith
Gruening Glacier
Conchie Glacier
Horne Nunataks
Goodenough Glacier
Blanchard Nunataks
Hess Mountains
Cape Darlington
Beaumont Glacier
Brennecke Nunataks
Wilson Mountains
Meinardus Glacier
Butler I.
Buttress Nunataks
Bergen Nunataks
Seward Mountains
Du Toit Mountains
Maury Glacier
Pullen I.
Cape Herdman
Scott Uplands
Journal Peaks
Sverdrup Nunataks
Fogg Highland
Holden Nunataks
Gordon Nunataks
Carey Range
Mosby Glacier
Fenton Glacier
Cape Mackintosh
Ers Ice Stream
Jensen Nunataks
Mount Axworthy
Kemp Peninsula
Dana Mountains
Cape Deacon
Schoofs Nunatak
Mount Heer
Werner Mountains
Mount Vang
Gunn Peaks
Galkin Nunatak
Toth Nunataks
Cape Brooks
Lamb Point
Arctowski Peak
Piggott Peninsula
Mount Coman
Savin Nunatak
Gomez Nunatak
Swan Glacier
Playfair Mountains
Cape Wheeler
Squires Glacier
Hutton Mountains
Cape Little
Lang Nunatak
Johnston Glacier
Guettard Range
Irvine Glacier
Rare Range
Wetmore Glacier
Copper Nunataks
Cape Fiske
Smith Peninsula
Mount Aaron
Latady Mountains
Mount Poster
Brown Glacier
Bowman Peninsula
Ketchum Glacier
Scaife Mountains
Prehn Peninsula
Cape Adams
Cape Schlossbach
Ueda Glacier
Cape Cox
Mount McKibben
Dodson Peninsula
Wilkins Mountains
Hutchins Nunataks
Spear Glacier
Peterson Hills
Hauberg Mountains
Terminal I.
Robertson Ice Piedmont
Bongrain Ice Piedmont
Mt Paris
Rouen Mountains
Mt Calais
Mt Hall
Russian Gap
Mt Sanderson
Mt Cupola
Cape Vostok
Havre Mountains
Umber Island
Dint Island
Lassus Mountains
Elgar Uplands
Mt Fiennes
Mt Huckle
Hampton Glacier
Cape Brown
Cape Jeremy
DOUGLAS RANGE
Sibelius Glacier
Mount Stephenson
Mt Egbert
Mt Ethelwulf
Walton Heights
Mt Alfred
Mt Edred
Tilt Rock
Hornpipe Heights
Debussy Heights
Gilbert Glacier
Mozart Ice Piedmont
Rothschild Island
170
Charcot Island
Cape Byrd
Attenborough Island
Cape Mawson
Dorsey I.
Merger I.
Attenborough Strait
Petrie Ice Rises
Wilkins Ice Shelf
Handel Ice Piedmont
Colbert Mountains
Mt Meridian
Grotto Glacier
Ablation Point
147
Jupiter Gl.
LeMay Range
Planet Heights
Succession Cliffs
Walton Mountains
Cape Fothergill
LATADY ISLAND
Schaus Ice Rises
Kosar Point
Eroica Peninsula
Lewis Snowfield
Satellite Snowfield
Uranus Glacier
Keystone Cliffs
Venus Glacier
Mazza Point
Derocher Peninsula
Radigan Point
Harris Peninsula
Franck Nunataks
Enceladus Nunataks
Staccato Peaks
Neptune Glacier
Ares Cliff
Mars Oasis
Dykeman Point
Pesce Peninsula
BEETHOVEN PENINSULA
Gluck Peak
Bennett Dome
Herschel Heights
Saturn Glacier
Corner Cliffs
Bach Ice Shelf
Cape Westbrook
SHOSTAKOVICH PENINSULA
Lovell Glacier
Pallas Peak
Stephenson Nunatak
Perce Point
Berlioz Point
Martin Ice Rise
MONTEVERDI PENINSULA
Rossini Point
Cape Marchesi
Trathan Coast
Smyley Island
Spaatz Island
Eklund Islands
DeAtley Island
Envisat Ice Stream
Cryosat Ice Stream
Grace Ice Stream
Sentinel Ice Stream
Cape Garrod
Case Island
Rydberg Peninsula
Mount Combs
Mount McCann
Mount Thornton
Mount Benkert
Snow Nunataks
Berg Ice Stream
Lidke Ice Stream
Hall Glacier
Nikitin Ice Stream
FitzGerald Bluffs
Marshall Nunatak
Schwartz Peak
Mount Southern
Staak Nunatak
Horner Nunatak
Yee Nunataks
Gardner Nunatak
Olander Nunatak
Erehwon Nunatak
Henkle Peak
Mount Peterson
Lyon Nunataks
Sky-Hi Nunataks
Grossman Nunataks
Mount Rex
Merrick Mountains
Henry Nunataks
Mount Wasilewski
Sweeney Mountains
Mount Jenkins
Hagerty Peak
Mount Smart
Behrendt Mountains
Morgan Nunataks
Mount Glowa
Weather Guesser Nunataks
Thomas Mountains
Witte Nunataks
Drewry Ice Stream
Quilty Nunataks
Mount Hassage