

British Antarctic Survey AIR OPERATIONS PLANNING MAP SERIES
MAP 05: Sky Blu to Pine Island
 Edition 3, August 2021
 Scale 1: 1 000 000, Projection: Polar Stereographic
 Spheroid: WGS84 Latitude of true scale: 71°S

Scale 1: 1 000 000
 0 20 40 60 80 km
 0 10 20 30 40 nm

Map Sheet Key

- Contours (interval 1000 ft)
- Surveilled heights (feet)
- Estimated spot heights (feet)
- Highest point on map (feet)
- NOT A SAFETY ALTITUDE
- All year scientific stations
- Summer only stations
- Camp/refuge
- BAS operations feature
- External operations feature
- Airfield
- Coastline
- Lake
- Rock outcrop
- Ice shelf
- ASMA
- ASPA (with number) or bird colony
- Bird colony

Warnings:
 This map is not an navigation chart and it is not intended for in-flight navigation.

Guidelines for the Operation of Aircraft near Concentrations of Birds
 The map shows the location of the main breeding concentrations of penguins and peters in Palmer Land, Southern Graham Land and Antarctic island.

Contours and spot heights are in feet.
 Vertical Datum - WGS84 ellipsoid. Heights are measured as above ellipsoid. Contours - derived from a merged Digital Elevation Model (DEM). Primary dataset used is REMA (2009). Areas of the continent (primarily Antarctic Peninsula, the Ellsworth Mountains, and the region of 60° West) were filled by TanDEM-X (1-DLR), down-sampled to 500m resolution. If applicable, see inset map for source data coverage. Spot Heights - derived from TanDEM-X (1-DLR) and REMA (2009) mosaic. (Polar Geospatial Centre). TanDEM-X (2009) absolute vertical accuracy = $\pm 10m$. REMA (2009) absolute vertical accuracy = average of 0.6m. Accuracies are assessed across the entire DEM, so may vary across the map sheets.

Data Sources:
 REMA, Polar Geospatial Centre, Howard, I. M., Porter, C., Smith, B. E., Nash, M. J., and Moore, P. The Reference Elevation Model of Antarctica. The Cryosphere, 13, 695-674. https://doi.org/10.5194/cryosphere-13-695-2019
 TanDEM-X (1-DLR) https://www.esri.com/arcgis/info/details/index.html#1000
 Bird colony information is based on limited available data: absence of a bird colony symbol does not indicate absence of birds.
 Topographic details from the SCAR Antarctic Digital Database (ADD) version 7.4 (2021). Antarctic Specially Protected Area (ASPA) and Antarctic Specially Managed Area (ASMA) details from: www.ata.gov

Place names selected from UK Gazetteer: www.gazetteer.gov.uk
 Compiled by P. T. Fretwell, X. Buckley, C. Day, A. Fox, E. Carr, E. Field. Mapping and Geographic Information Centre, British Antarctic Survey, 2004-2021

