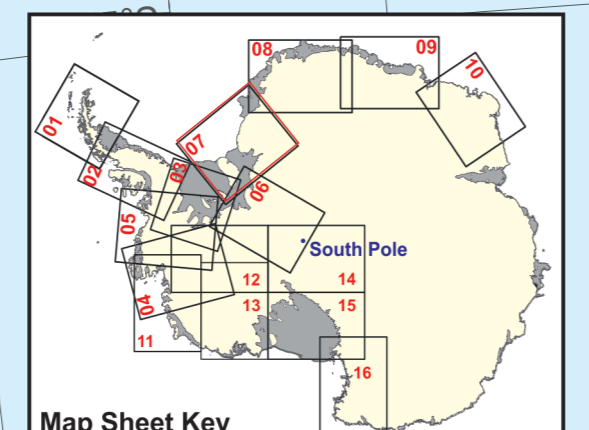
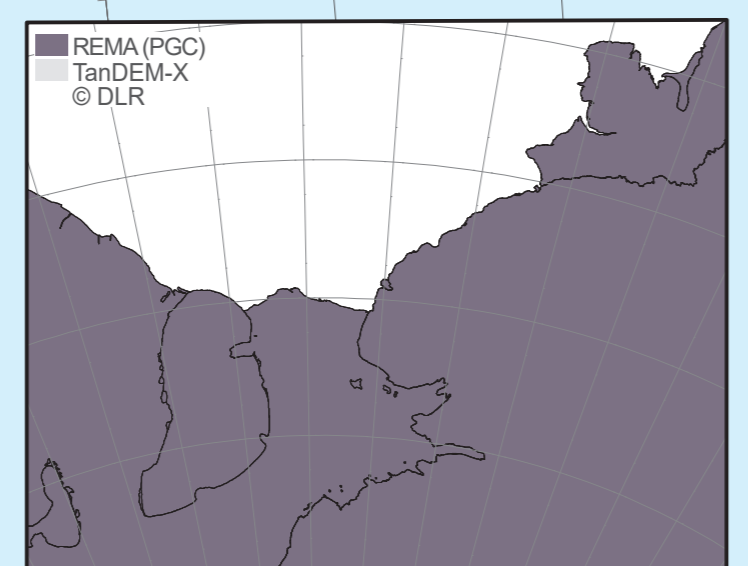


Edition 2, August 2019  
 Scale 1: 1 000 000, Projection: Polar Stereographic  
 Spheroid: WGS84 Latitude of true scale: 71°S

- Contours (interval 1000 ft)
  - 2000 Surveyed heights (feet)
  - 2000 Estimated spot heights (feet)
  - 10000 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



**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.  
 Contours and spot heights are in feet. Heights are measured as above ellipsoid. Vertical Datum - WGS84 ellipsoid. Primary dataset used is REMA (2009). Areas of the continent primarily Antarctica Peninsula, the Ellsworth Mountains, and the region S of 80° were filled in by TanDEM-X (© DLR), down sampled to 200m resolution. If applicable, see next map for source data coverage.  
 Spot heights - derived from TanDEM-X (© DLR) and REMA 8m mosaic (Polar Geospatial Centre). TanDEM-X (© DLR) absolute vertical accuracy = ±10m REMA (8m) absolute vertical accuracy = average of 0.6m  
 Altitudes are assessed across the entire DEM, so may vary across the map sheets.  
 Data Source:  
 REMA: Polar Geospatial Centre; Brown, J. M., Piner, C., Smith, B. E., Nix, M. J., and Moran, P.: The Reference Elevation Model of Antarctica, The Cryosphere, 13, 685-674, 19(19), 2019. doi.org/10.5194/tc-13-685-2019  
 TanDEM-X © DLR https://gssc.jpl.nasa.gov/DEM/DEM/DEM.html  
 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 (2018)  
 Antarctic Specially Protected Area (ASPA) and Antarctic Specially Managed Area (ASMA) details from: www.itis.gov  
 Place names extracted from UK Gazetteer: www.gazetteer.co.uk  
 Compiled by P. T. Fretwell, K. Bazely, C. Day, A. Fox, E. Field, E. Carr. Mapping and Geographic Information Centre, British Antarctic Survey 2004-2005.

