

TOPOGRAPHIC DATA managed by the AUSTRALIAN ANTARCTIC DATA CENTRE

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0 200 400 600 Kilometres

Projection: Mercator
True scale at 71° S

Horizontal positional accuracy

- 0 to 20 m
- 20 m to 100 m
- 100 m or greater
- Unknown

Exposed rock

- Exposed rock

Limit of Australian Exclusive Economic Zone

Australian Antarctic Territory boundary

Heard Island area
1:1 million scale bathymetry
* Accuracy of depths unknown

Heard Island

- * 50 m interval contours
- * Heights accurate to 30 m on ice free areas
- * Accuracy of heights unknown on glaciated areas

General Bathymetric Chart of the Oceans (GEBCO)
* Produced by the British Oceanographic Data Centre on behalf of the Intergovernmental Oceanographic Commission and the International Hydrographic Organization
* Accuracy unknown

Macquarie Island

- * 5 m interval contours
- * 0.5 to 2 m interval contours at the station

Macquarie Island area bathymetry
* Horizontal positional accuracy varies from 30 m to 1000 m to unknown
* Accuracy of depths varies from 20 m to 300 m

Bathymetry of the approaches to Casey, Davis and Mawson Stations
* Horizontal positional accuracy 5 m
* 2 to 5 m interval contours
* Accuracy of depths 2 m

Australian Antarctic Territory Coastline Dataset
* Produced by Geoscience Australia and the Australian Antarctic Division
* Horizontal positional accuracy 150 m
* No height data

Taylor Rookery
* 1 m interval contours

Holme Bay
* 5 m interval contours
* 20 m interval contours
* 1 m interval contours

Framnes Mtns
* 20 m interval contours
* 1 m interval contours

Mawson Station
* 1 m interval contours

Rauer Group
* 10 m interval contours
* Accuracy of heights unknown

Vestfold Hills
* 5 m interval contours
* 0.5 to 2 m interval contours

Davis Station
* 0.5 to 2 m interval contours

Larsemann Hills
* 5 m interval contours

1:1 million scale data
* Occasional spot heights
* 500 m interval contours on the ice plateau
* Heights accurate to 100 m

Prince Charles Mtns
* Occasional spot heights on ice free areas
* Accuracy of heights unknown

Mt Menzies
* 20 m interval contours

Gaussberg
* 5 m interval contours

Windmill Islands
* 5 m interval contours
* 1 m interval contours

Cape Denison
* 0.5 m interval contours on the ice free area only

Antarctica (whole continent) data

Antarctic Digital Database
* Produced by the British Antarctic Survey on behalf of SCAR
* Horizontal positional accuracy 150 m to 1 km
* 50 m interval contours
* Accuracy of heights unknown

World Aeronautical Charts
* Produced by the USA Defence Mapping Agency 1964 - 1970
* Horizontal and vertical positional accuracy unknown

Antarctic Radarsat Digital Elevation Model
* Produced by the Byrd Polar Research Center, USA
* Horizontal positional accuracy 200 m over the rugged mountains, 400 m in the coastal regions and 5 km for the interior ice sheet
* Heights are accurate to 100 - 130 m over the rugged mountains, 2 m for the ice shelves, 15 m for the interior ice sheet and 35 m for the steeper ice sheet perimeter

Digital Elevation Model of the Antarctic ice sheet
derived from ERS Radar Altimetry
* Produced by the Federal Dept of Cartography and Geodesy, Germany
* Horizontal positional accuracy unknown
* Spot heights gridded 5 - 10 km apart
* Heights accurate to 0.2 m for flat areas of the ice sheet
* No data for steep areas
* 500 m interval contours derived from the spot heights by the Australian Antarctic Division

Australian Antarctic Territory

Australian Antarctic Territory