SCAR-SCAGI.be

Auckland (NZ)

Jean-Yves Pirlot
Overview of the Report

- Air Operations Planning Map.be
- Pictures in .be archives
- Names committee .be
- Correction of names on LIMA background
Dronning Maud Land
Air Operations Planning Map

Legend:
- All year station
- Seasonal station
- Abandoned station
- Camp
- Airport
- Harbour
- Point

Mtn: Mountain
Mt: Mount
Pk: Peak
Nk: Nunatak

Sources of information:
- Sea mask, coastline, ice shelf, contours, elevation points, exposed rock, moraine, lakes, streams, stations, camps, aerodromes taken from SCAR-Antarctic Digital Database version 6.0 (June 2012)
  www.add.scar.org
- Place names taken from Composite Gazetteer of Antarctica data.aad.gov.au/aad/gaz/scar
- Background image taken from Landsat Image Mosaic of Antarctica (LIMA) lima.usgs.gov

Note:
- Spot heights do not always denote the highest point of the feature.
- Contours are derived from a variety of sources of variable accuracy.
- They should only be used as an indicator of topographic relief.

Projection:
- Polar Stereographic Projection
- Sphérici: WGS84

Scale 1: 1 000 000

Prototype compilation: National Geographic Institute of Belgium – December 2012
Funding: Belgian Science Policy Office (BELSPO)
Dronning Maud Land (AOPM-Ant)
Way ahead

- Prototype
  - €20,000
  - Enough funding for the integration of the outcome of the Cambridge Workshop
- Belspo was asked for additional funding
  - Two additional sheets
  - Following the standards set by SCAR-SCAGI
  - €25,000
Dronning Maud Land
Supply the MXD of the 1:1million map “Aviation Map: Mawson to Beaver Lake”. This map overlaps with the “Syowa to Mawson” map.

The AADC recently supplied updated coastline data for inclusion in the ADD 7 covering the “Syowa to Mawson” map area.

Help with the extraction of place names from the SCAR Gazetteer for use in a GIS. Discuss any place name issues.
Proof the map

Supply AADC logo and data source information for showing on the map

Provide information about accessing the following data for use in the map

- Antarctica Specially Protected Areas
- Bathymetry
- Contours
- Spot elevations
- Stations
Investigate and purchase any new data required for the “Syowa to Mawson” map beyond the use of the ADD 7.

Produce the map product.

Supply the AADC and other partners with
- a high resolution PDF for printing and distributing from the SCAR Map Catalogue
- Supply an MXD document of the map
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Overview of the different campaigns

- Flights in 1960, 1966 and 1967
- 3451 negatives (only some of them on a roll)
- Minority ‘oblique flights’
  - 13x13cm
  - 629 images
  - Sverdrup Fjella, Jutulröra, Straumsvola, Straums Mitane and Roots Horga
Overview of the different campaigns

- Majority vertical flights
  - Limits of the ice shelf (meridians 13°E and 31°E)
  - Segments between Breidvika and Base Baudouin
  - Mounts Sör-Rodane, Belgica and Queen Fabiola (mission Iris - 1960)

- Characteristics vertical photography
  - 18x18cm
  - Scale between 20 and 45K
  - 113 negatives about astronomical points
    - some of these are still on a roll
  - 44IR
Some negatives on rolls

- Some negatives were found on rolls
  - We think it could be
    - Rebuked films
    - Not exploited material
    - Back up material
  - We are sorting out what these rolls could contain
    - 13 and 18cm² films
    - Perhaps their content is not yet listed in our registers
    - ...

Scanning of existing negatives
Conditioning in single negatives
Conclusion

- Antarctic Imagery
  - Limited archives of historic negatives
  - Most of the archive was cut: hence its scanning was questionable
  - Look more into the archives on rolls

- We’ve integrated the Antarctic material in a national scanning programme (ongoing)
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