

SCAR-SCAGI.be

Auckland (NZ)

Jean-Yves Pirlot

1308

BELGIKA



A-260



9-2



W^g f = 115 mm



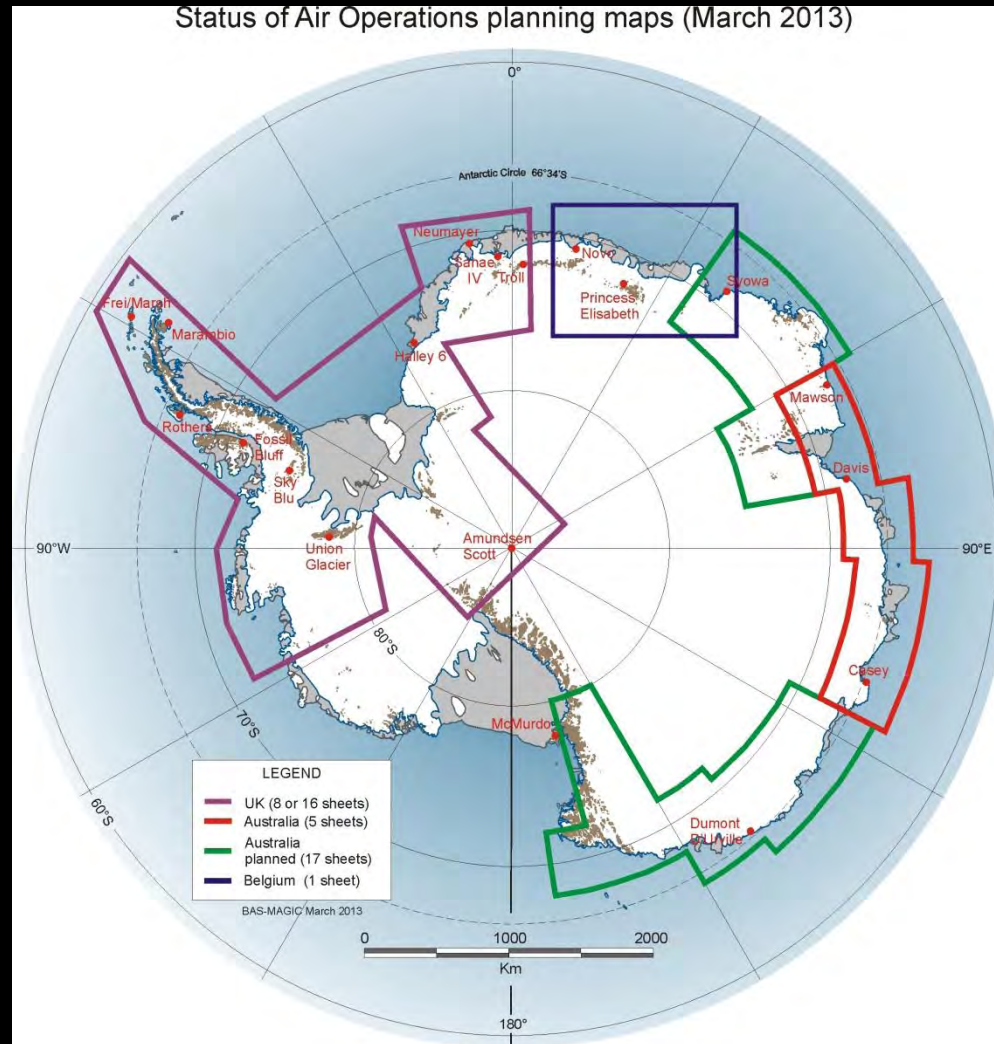
25.000

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

Status of Air Operations planning maps (March 2013)



Air Operations Planning Map

Legend :

- All year station
- Seasonal station
- Abandoned station
- Camp
- ✈ Airport
- ⚓ Harbour
- ▲ Point
- Mtn Mountain
- Mt Mount
- Pk Peak
- Nk Nunatak
- ³⁴²⁶ Isachsen Mtn : height > 3000m
- ²⁷³⁰ Granitnaya Mtn : height 2500m-3000m
- ²⁴⁰⁰ Derom Mt : height 2000m-2500m
- ⁸⁸⁸ Heito Mt : height < 2000m

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/aadc/gaz/scar

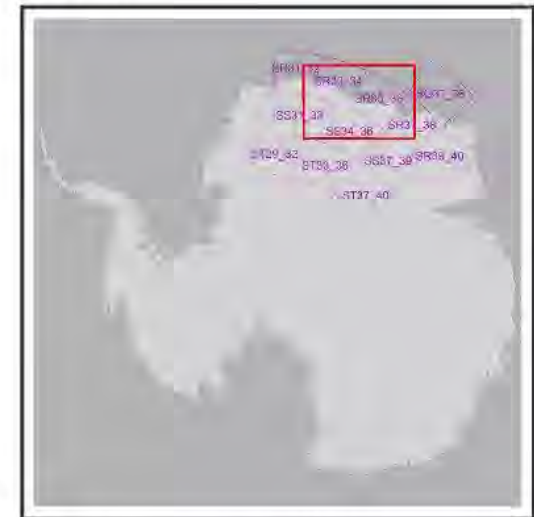
Background image taken from Landsat Image Mosaic of Antarctica (LIMA)
lima.usgs.gov

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 :

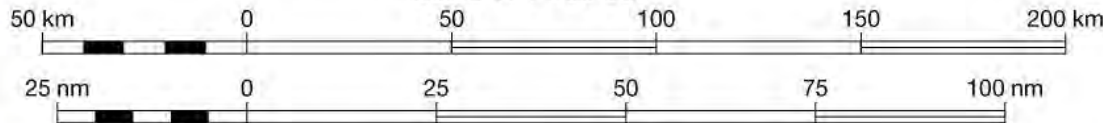
Polar Stereographic Projection
 Spheroid: WGS84



Sheet numbering system based on IMW-tiles (International Map of the World).



Scale 1: 1 000 000



Prototype compilation: National Geographic Institute of Belgium – December 2012
 Funding: Belgian Science Policy Office (BELSPO)

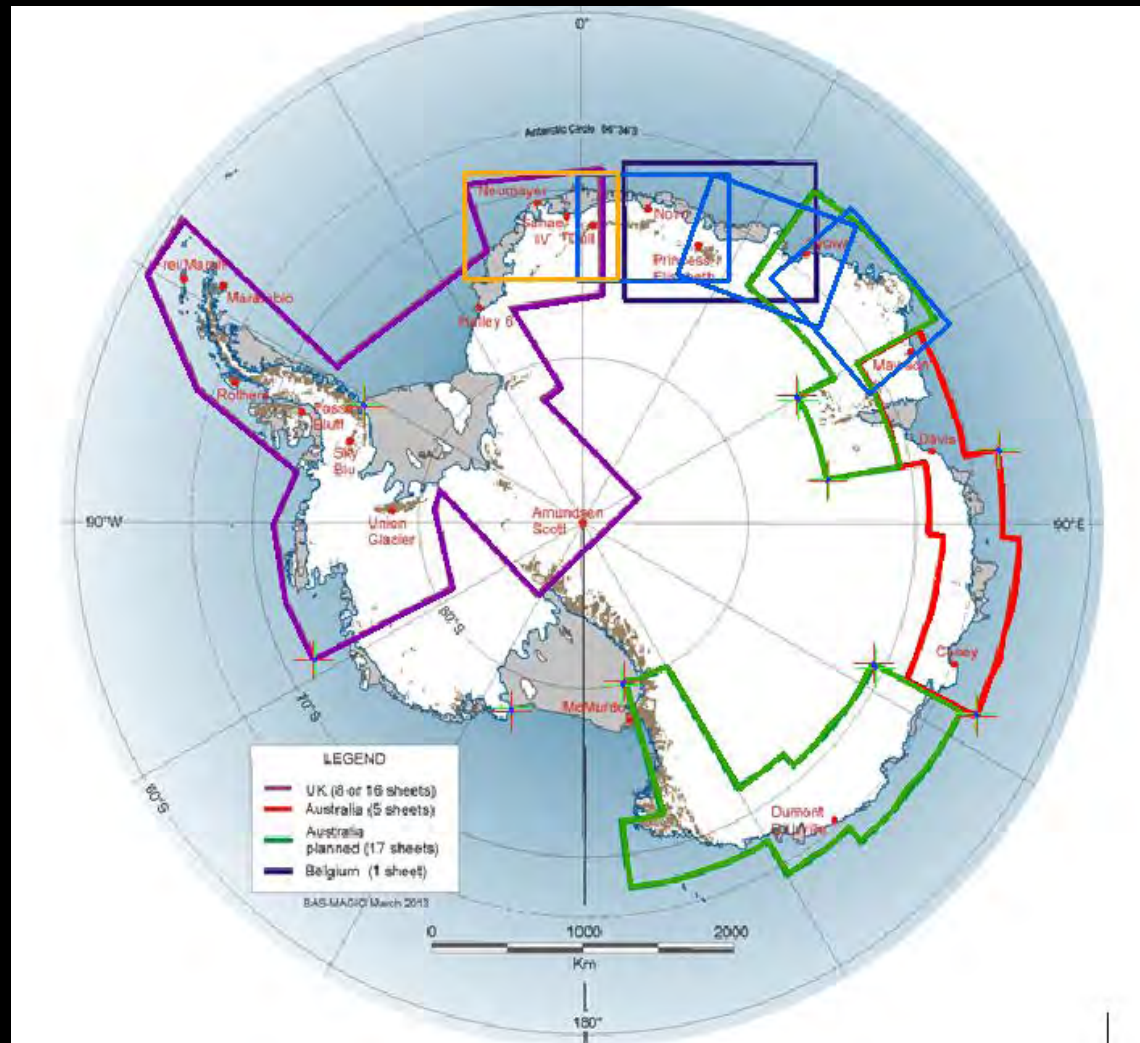
Dronning Maud Land (AOPM-Ant)



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



“Syowa to Mawson” AADC

- 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.

“Syowa to Mawson” AADC

- 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

“Syowa to Mawson” IGN-BE

- 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

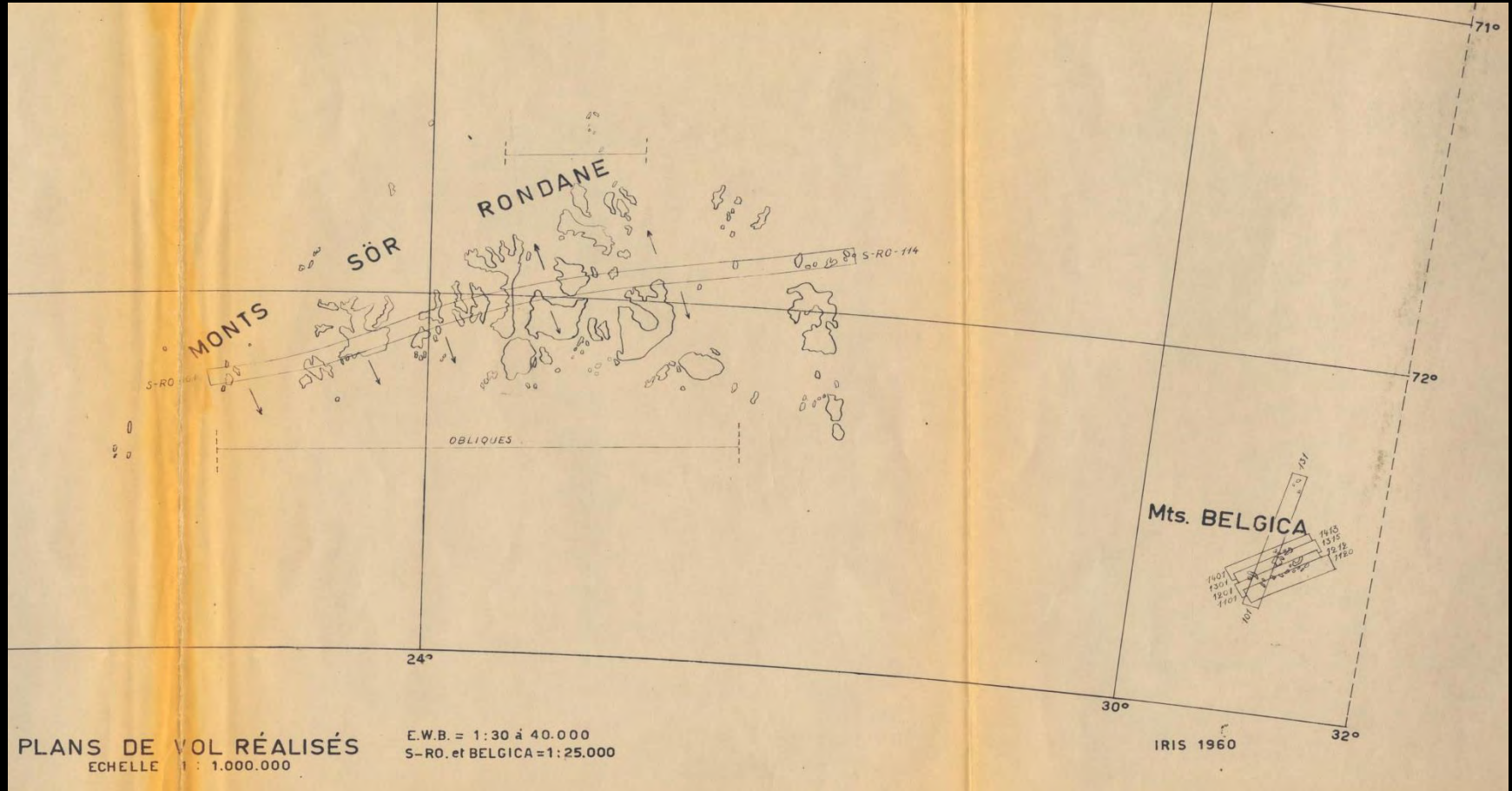
Overview of the different campaigns

- 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



- 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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