

# SCAR-SCAGI.be

Auckland (NZ)

Jean-Yves Pirlot

1308

BELGIKA



A-260



9-2



W<sub>2</sub>f = 115 mm



×

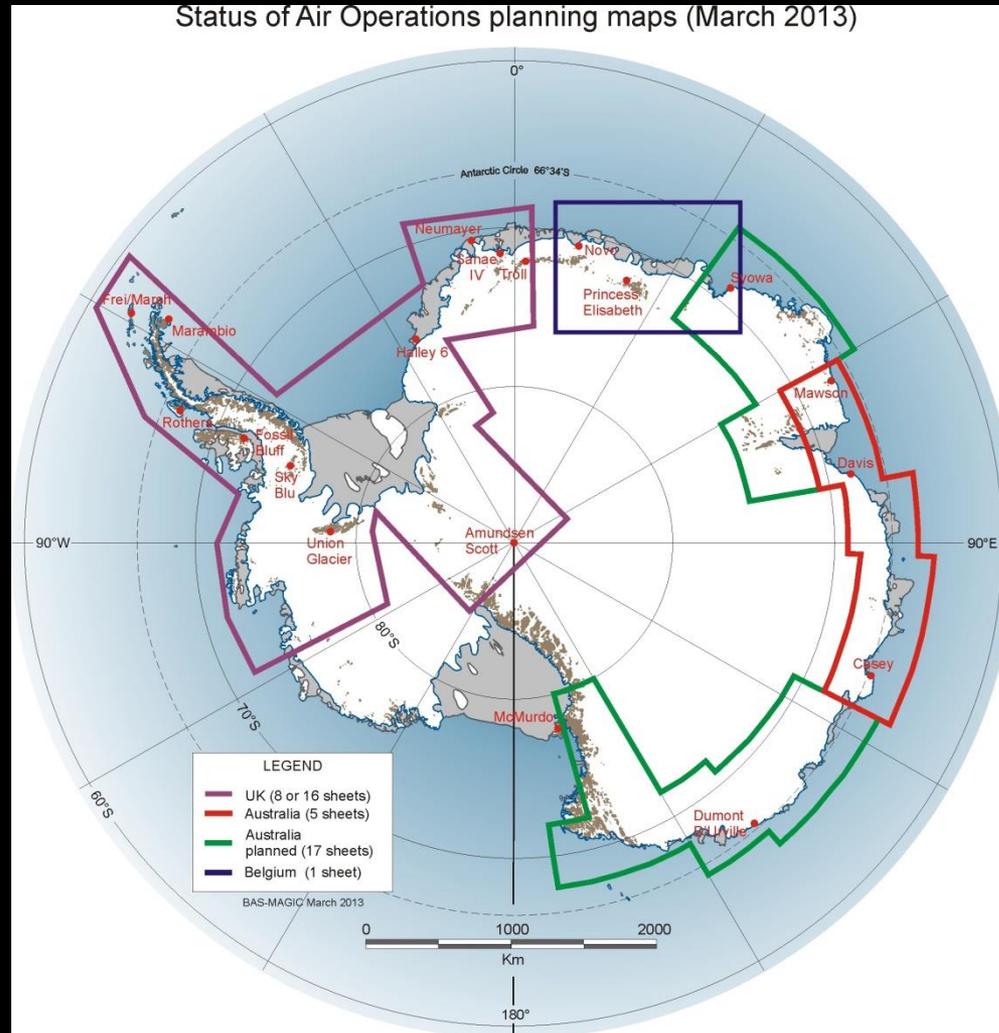
25.000



# 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



# Air Operations Planning Map

## Legend :

- All year station
- Seasonal station
- Abandoned station
- Camp
- ✈ Airport
- ⚓ Harbour
- ▲ Point
- Mtn Mountain
- Mt Mount
- Pk Peak
- Nk Nunatak
- <sup>3425</sup> Isachsen Mtn : height > 3000m
- <sup>2730</sup> Granitnaya Mtn : height 2500m-3000m
- <sup>2400</sup> Derom Mt : height 2000m-2500m
- <sup>405</sup> 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](http://www.add.scar.org)

Place names taken from Composite Gazetteer of Antarctica  
[data.aad.gov.au/aadc/gaz/scar](http://data.aad.gov.au/aadc/gaz/scar)

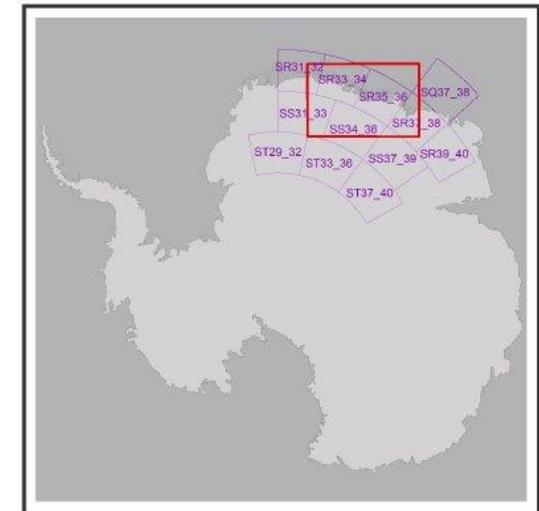
Background image taken from Landsat Image Mosaic of Antarctica (LIMA)  
[lima.usgs.gov](http://lima.usgs.gov)

### 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 :

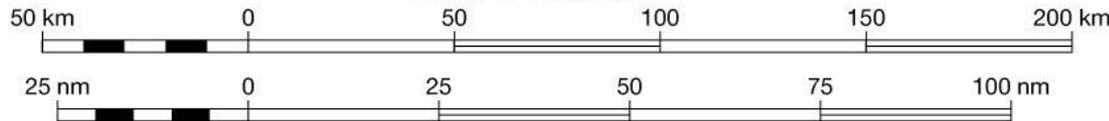
Polar Stereographic Projection  
 Spheroid: WGS84



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)

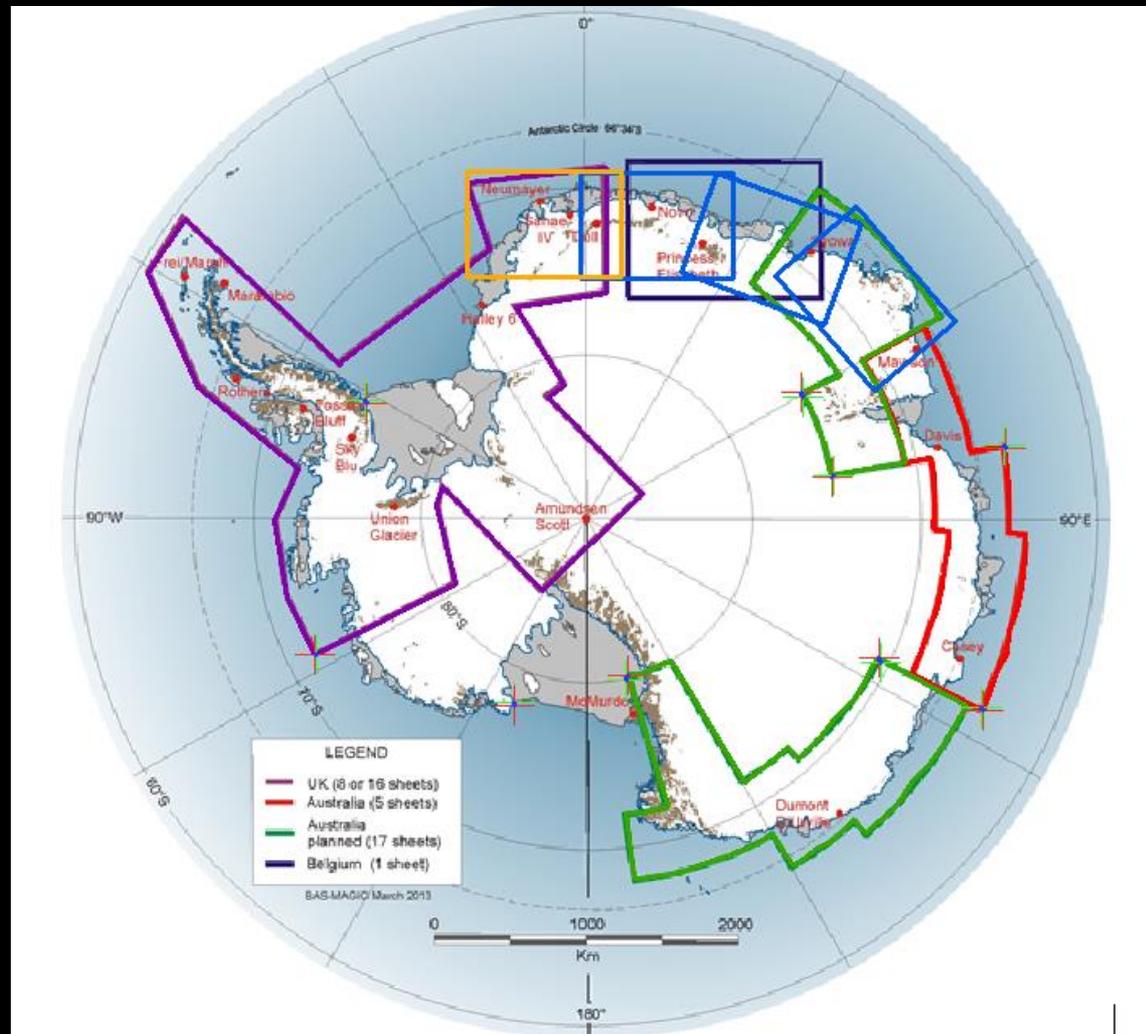
# Dronning Maud Land (AOPM-Ant)



# 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

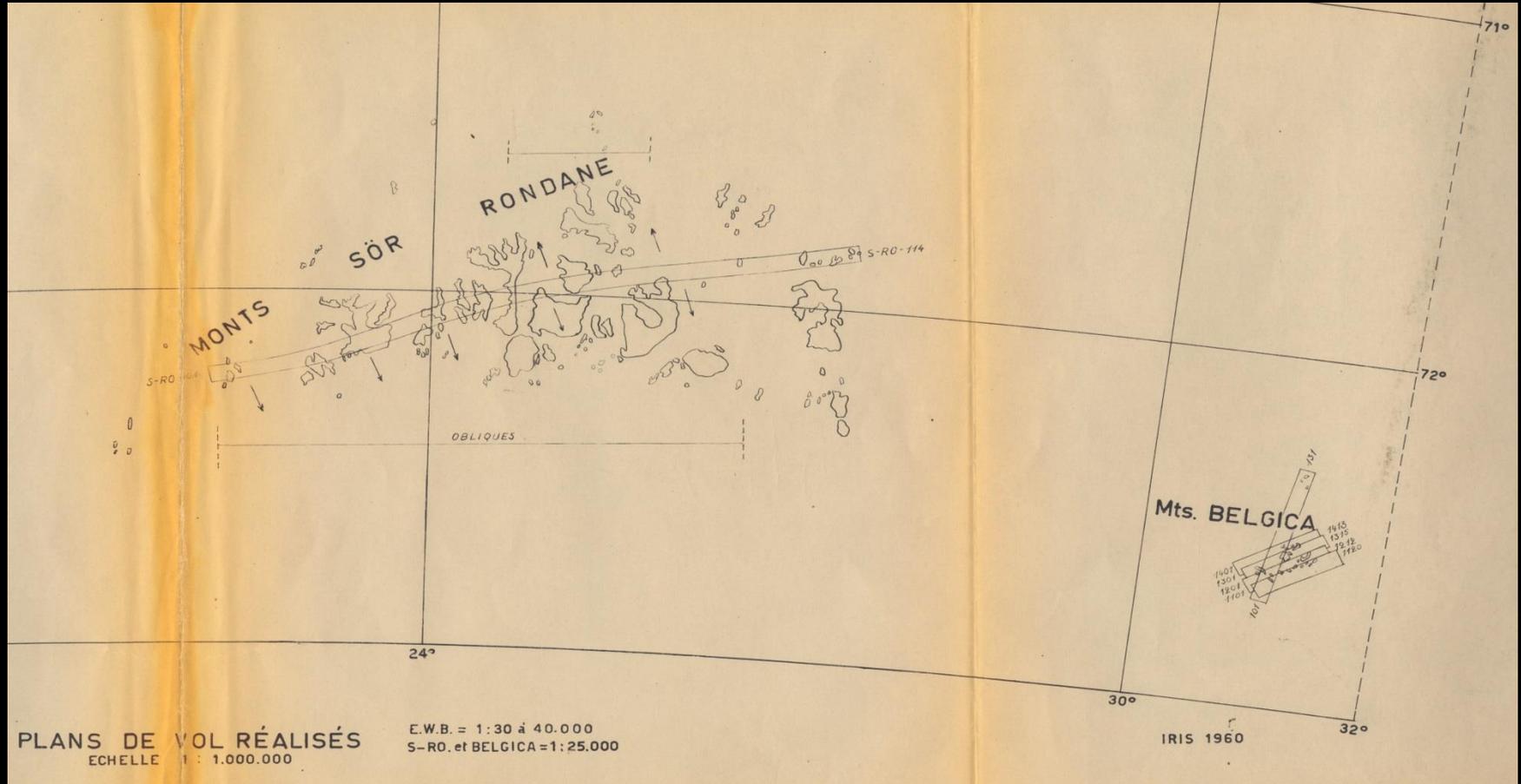
# Overview of the different campaigns

- 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 18cm<sup>2</sup> 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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