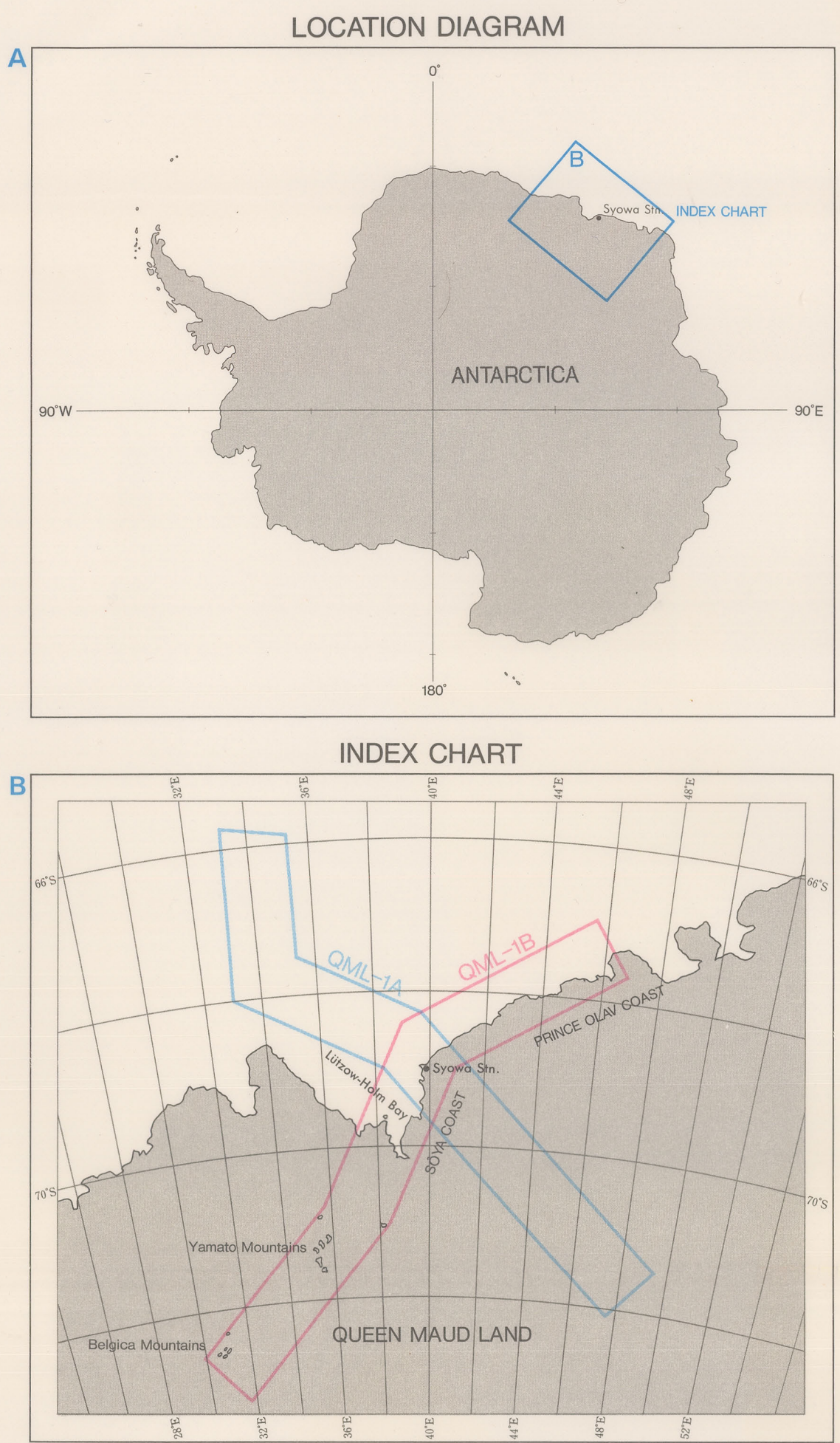
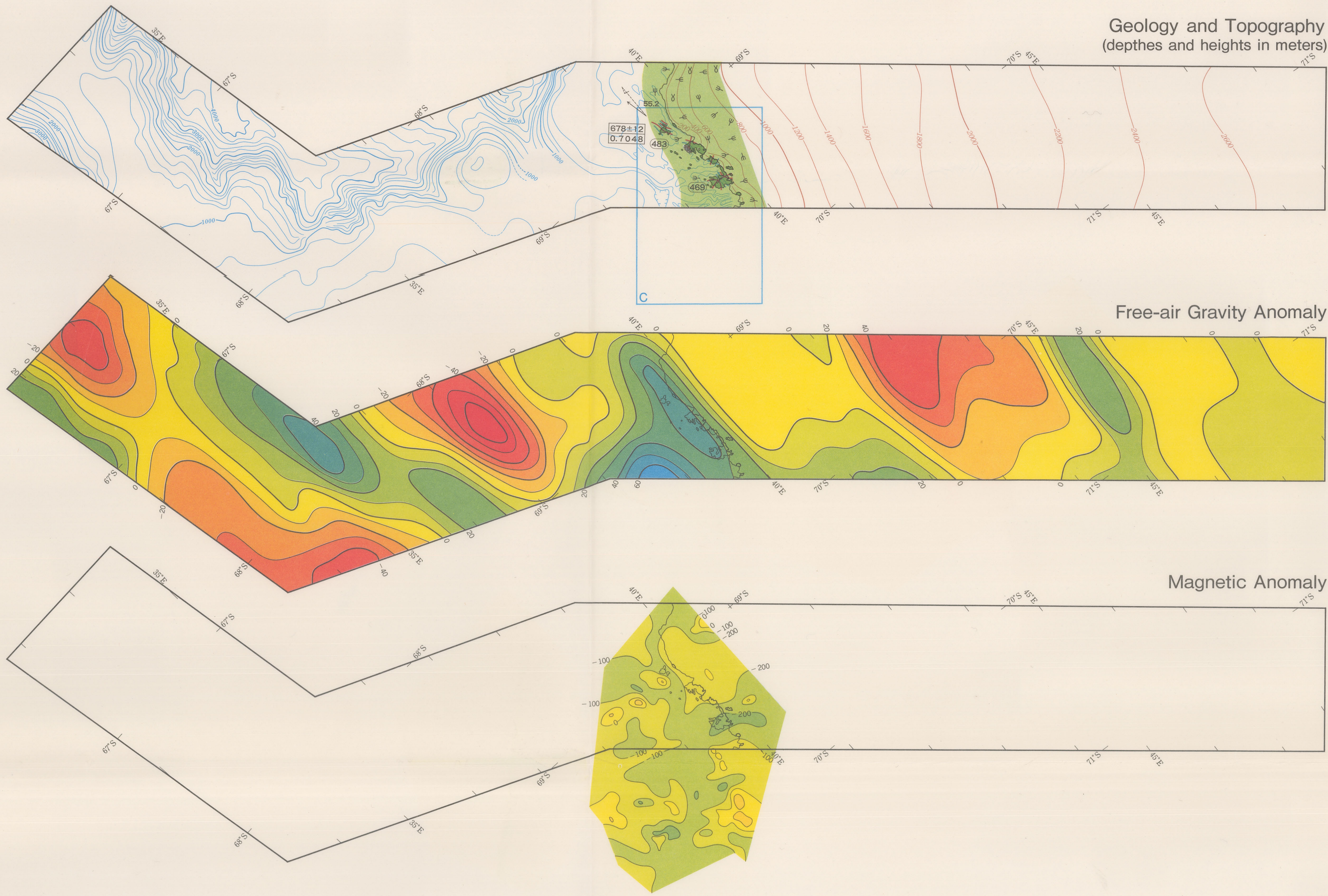


# Antarctic Geoscience Transect QML-1A and QML-1B

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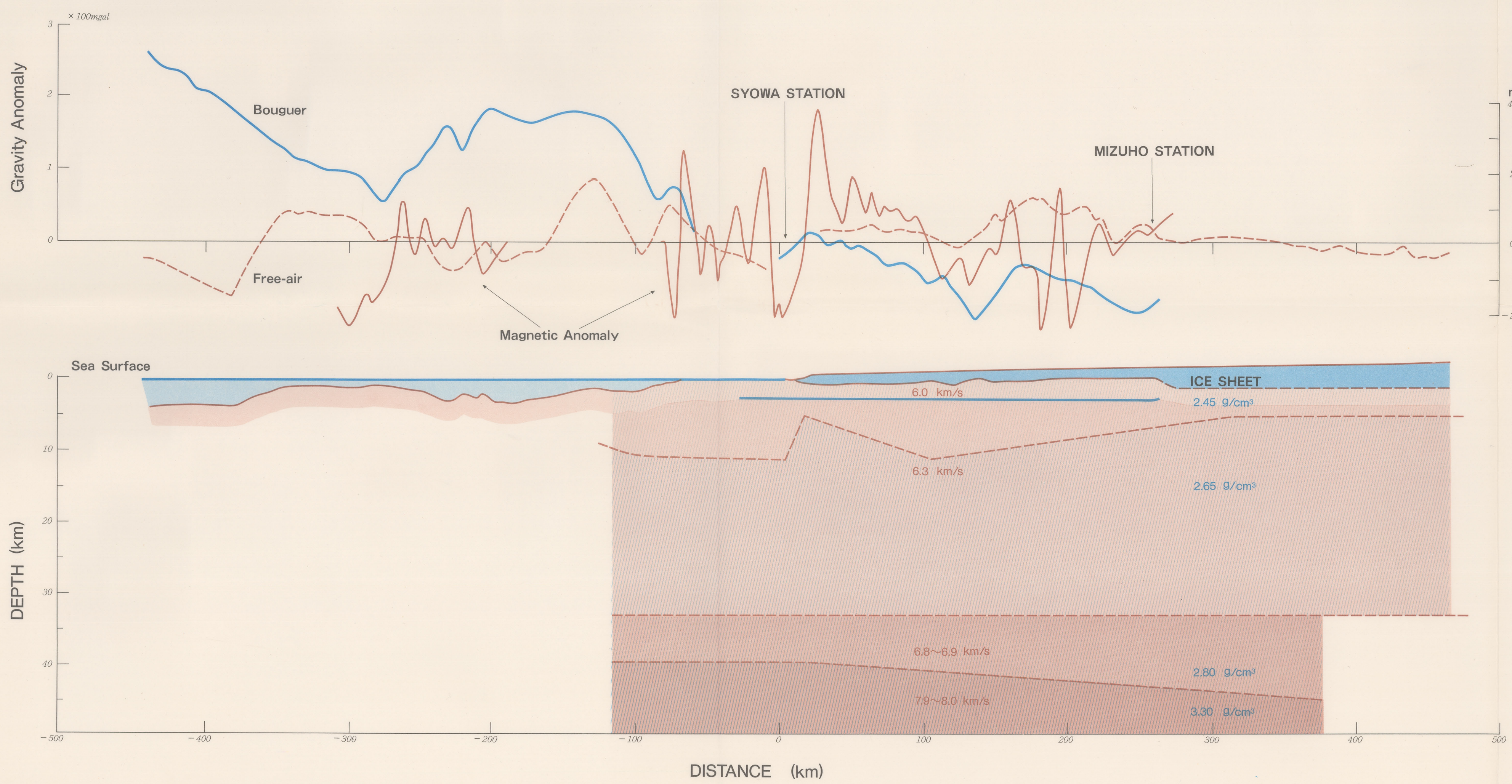
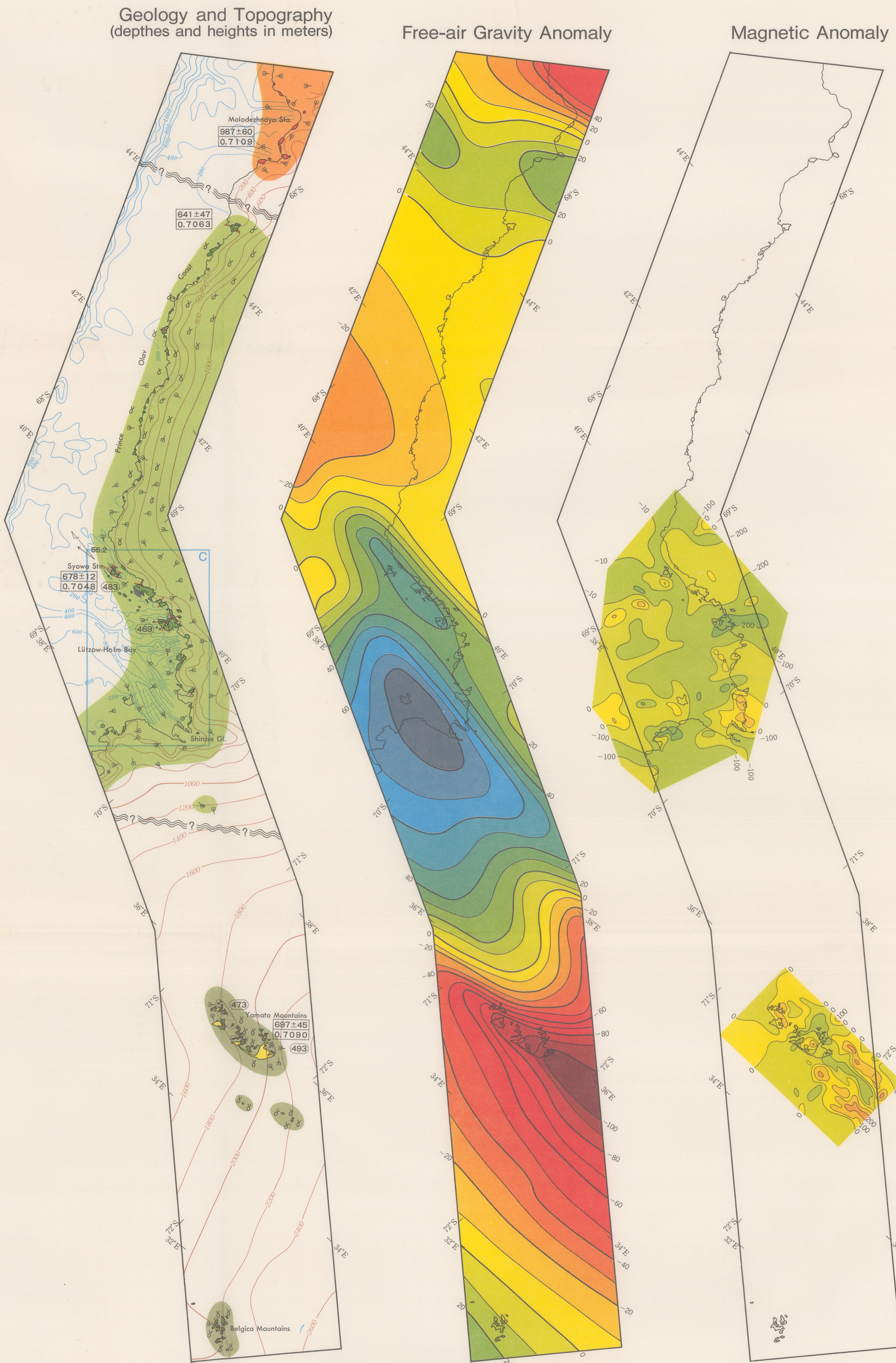
## Queen Maud Land-1A

0 50 100 km



## Queen Maud Land-1B

0 50 100 km



## EXPLANATION

### GEOLOGY

- Quaternary
    - Moraine
  - Proterozoic
    - Lützow-Holm Complex
      - Various meta-sedimentary rocks, meta-basic intrusive rocks and meta-ultrabasic rocks. Locally migmatized. Medium-pressure type regional metamorphism.
    - Yanato-Belgica Complex
      - Various meta-sedimentary rocks and meta-basic intrusive rocks. No ultrabasic rocks. Rare aluminous pelitic rocks. Low-pressure type regional metamorphism.
    - Rayner Complex
      - Various meta-sedimentary rocks, meta-intrusive rocks including charnockitic rocks. Medium-pressure type regional metamorphism.
  - Plutonic Rocks
    - Early Paleozoic
      - Granite, granodiorite, pegmatite, aplite.
    - Proterozoic
      - Syenite, meta-syenite, quartz syenite, quartz monzonite.
  - Metamorphic Grade
    - Amphibolite facies
      - Higher than sillimanite-Kfoldspar grade.
    - Transitional between amphibolite and granulite facies
      - Sporadic occurrence of orthopyroxene in some basic rocks.
    - Granulite facies
  - Boundary between complexes (inferred)
  - Antiforms (A) and synforms (B)
- Geochronological Data (selected)
- White rock: Rb-Sr isochron age (Ma) and its initial Sr<sup>87</sup>/Sr<sup>86</sup> ratio
  - Rb-Sr mineral isochron age (Ma)

