

**Aileron 2025 Regional Airborne Magnetic and Radiometric Survey
(GSA MAGIX reference R72871-R72975)**

PARTIAL DATA RELEASE OF West and East blocks

The Aileron 2025 regional AMR survey consists of two areas – Aileron West and Aileron East. Aileron West (R72871) was flown by Xcalibur Smart Mapping. Aileron East (R72975) was flown by MAGSPEC Airborne Surveys. Data were acquired from North-South flight lines. The line spacing is 100 metres with a mean terrain clearance of 50 metres. The tie line spacing is 1000 metres.

This partial release consists of all data from the Aileron East block, located and gridded magnetic data from Aileron West block, and compilation grids and images of magnetic data for the whole survey area.

Contractor delivered data

Located data are supplied in ASEG-GDF2 format. Magnetic data and radiometric data were collected at sample frequencies of 20 Hz and 2 Hz respectively.

Grid files are supplied in ERS format. The horizontal datum and projection are GDA2020, MGA52 (EPSG:7852). The grid cell size is 20 metres.

GSA data compilations

Grid files are supplied in ERS format. Aileron 2025 data has been merged with existing WA state compilation data. The horizontal datum and projection are GDA2020, MGA52 (EPSG:7852). The grid cell size is 20 metres.

<u>Grid merge</u>	<u>Description</u>
Aileron_TMI_merge	Total magnetic intensity (nT)
Aileron_TMI_merge_RTP	Reduced To Pole TMI (nT)
Aileron_TMI_merge_RTP1VD	First Vertical Derivative of RTP TMI (nT/m)

Image files of the merged grids are supplied in JP2 format.

Aileron_TMI_merge_drape_ps.jp2

- Total magnetic intensity (nT)
- blue (low) to red (high) pseudocolour draped image with sun shaded relief

Aileron_TMI_merge_drape_is.jp2

- Total magnetic intensity (nT)
- blue (low) to red (high) isoluminant draped image with sun shaded relief

Aileron_TMI_merge_RTP_drape_ps.jp2

- Reduced To Pole total magnetic intensity (nT)
- blue (low) to red (high) pseudocolour draped image with sun shaded relief

Aileron_TMI_merge_RTP_drape_is.jp2

- Reduced To Pole total magnetic intensity (nT)
- blue (low) to red (high) isoluminant draped image with sun shaded relief

Aileron_TMI_merge_RTP1VD_grey.jp2

- First Vertical Derivative of Reduced To Pole total magnetic intensity (nT/m)
- black (low) to white (high) grey scale image

Kmz files are supplied in Google Earth compatible format.

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