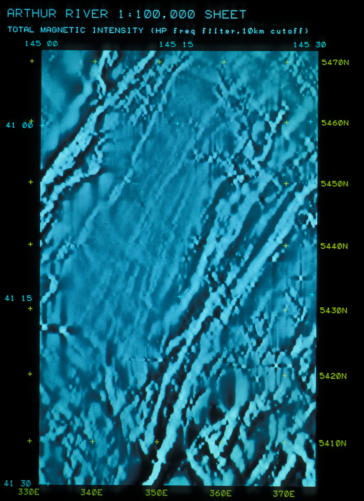
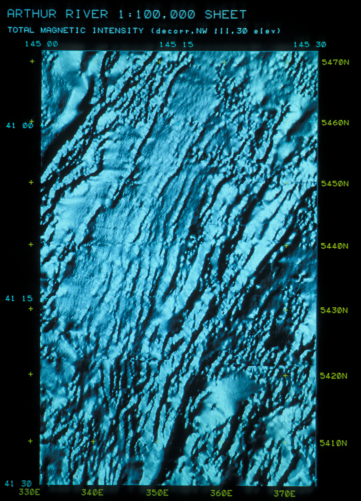
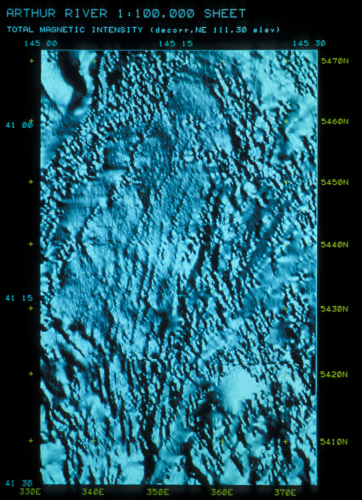
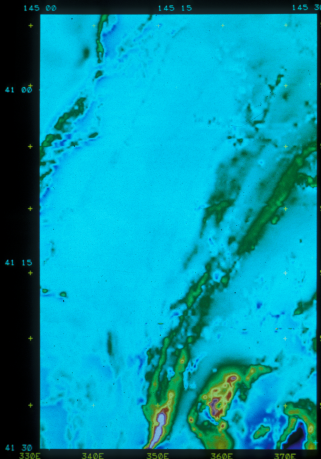

ARTHUR RIVER 1:100,000 SHEET
TOTAL MAGNETIC INTENSITY (HP Freq Filter,10km cutoff)
145 00
145 15
145 30
41 00
41 15
41 30
5470N
5460N
5450N
5440N
5430N
5420N
5410N
330E
340E
350E
360E
370E

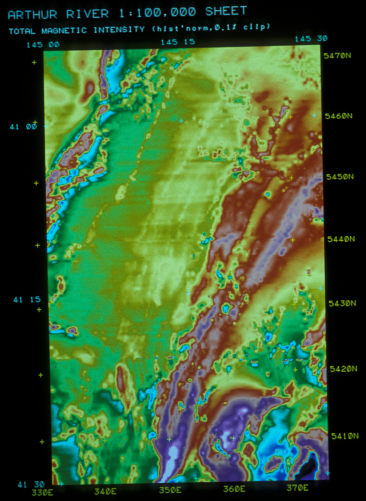

ARTHUR RIVER 1:100,000 SHEET
TOTAL MAGNETIC INTENSITY (decorr,NW III,30 elev)
145 00
145 15
145 30
41 00
41 15
41 30
5470N
5460N
5450N
5440N
5430N
5420N
5410N
330E
340E
350E
360E
370E

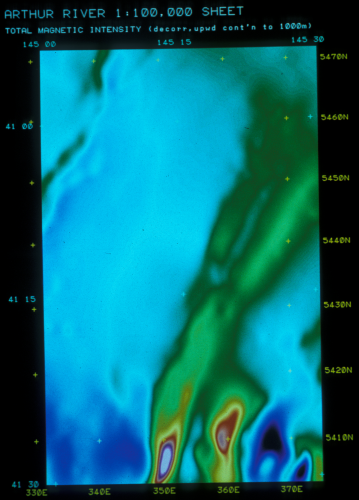

ARTHUR RIVER 1:100,000 SHEET
TOTAL MAGNETIC INTENSITY (decorr,NE 111.30 elev)
145 00
145 15
145 30
5470N
5460N
5450N
5440N
5430N
5420N
5410N
41 00
41 15
41 30
330E
340E
350E
360E
370E

ARTHUR RIVER 1:100,000 SHEET

TOTAL MAGNETIC INTENSITY (0.1f clip)

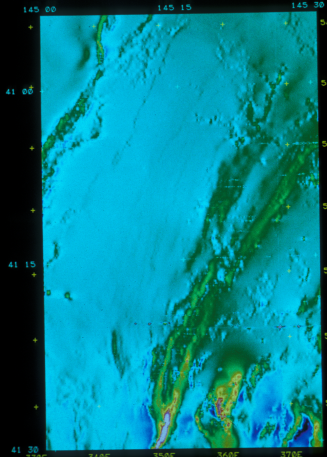


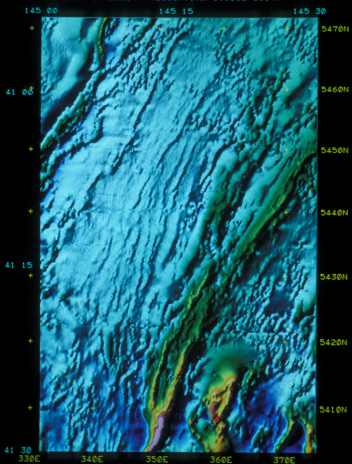

ARTHUR RIVER 1:100,000 SHEET
TOTAL MAGNETIC INTENSITY (hist'norm.0.1% clip)
145 00
145 15
145 30
41 00
41 15
41 30
5470N
5460N
5450N
5440N
5430N
5420N
5410N
330E
340E
350E
360E
370E

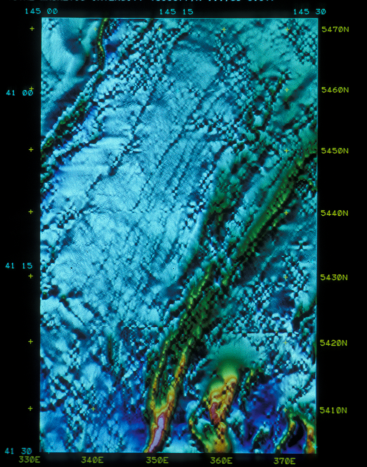

ARTHUR RIVER 1:100,000 SHEET
TOTAL MAGNETIC INTENSITY (decorr.upwd cont'n to 1000m)
145 00
145 15
145 30
41 00
41 15
41 30
5470N
5460N
5450N
5440N
5430N
5420N
5410N
330E
340E
350E
360E
370E

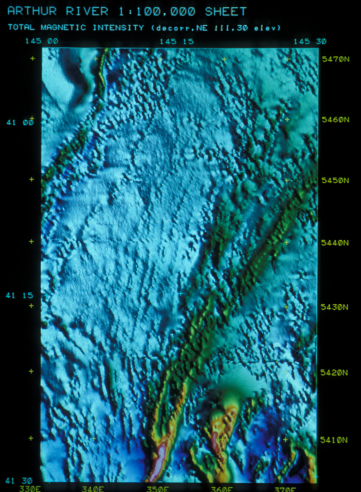
ARTHUR RIVER 1:100,000 SHEET

TOTAL MAGNETIC INTENSITY (decorr,downwd cont'n to 50m)



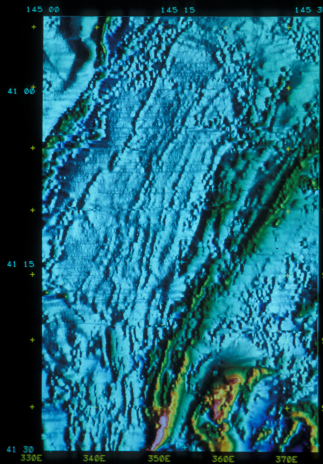

ARTHUR RIVER 1:100,000 SHEET
TOTAL MAGNETIC INTENSITY (decorr.NW III.30 *lev)
145 00
145 15
145 30
41 00
41 15
41 30
5470N
5460N
5450N
5440N
5430N
5420N
5410N
330E
340E
350E
360E
370E


ARTHUR RIVER 1:100,000 SHEET
TOTAL MAGNETIC INTENSITY (decorr.N III,30 elev)
145 00
145 15
145 30
41 00
41 15
41 30
5470N
5460N
5450N
5440N
5430N
5420N
5410N
330E
340E
350E
360E
370E


ARTHUR RIVER 1:100,000 SHEET
TOTAL MAGNETIC INTENSITY (decorr,NE ill,30 elev)
145 00
145 15
145 30
41 00
41 15
41 30
5470N
5460N
5450N
5440N
5430N
5420N
5410N
330E
340E
350E
360E
370E

ARTHUR RIVER 1:100,000 SHEET

TOTAL MAGNETIC INTENSITY (E !!!,30 elev)



HELLYER 1:100,000 SHEET

Enhancement descriptions for airborne magnetics. NOTE: because the gridded data incorporated surveys having N-S and E-W flight line directions the decorrugation process was not performed on the data prior to enhancement.

Slide 1 : Greyscale, raw magnetics with histogram-normalised stretch and 0.1% clip.

Slide 2 : Greyscale, 0.1% clip with space variant contrast stretch - a non-linear local enhancement (analogous to AGC) to accentuate subtle detail in areas of low amplitude.

Slide 3 : Greyscale, 0.1% clip with a first derivative approximation (E-W gradient) performed by convolving the image with a directional edge detecting template.

Slide 4 : Greyscale, 0.1% clip with a first derivative approximation (NW-SE gradient) performed by convolving the image with a directional edge detecting template.

Slide 5 : Greyscale, 0.1% clip with a high pass spatial filter performed by convolution. High frequency magnetic anomalies usually caused by shallow magnetic rocks are highlighted.

Slide 6 : Greyscale, 0.1% clip with a high pass frequency filter using a 10km cutoff. High fequency magnetic anomalies usually caused by shallow magnetic rocks are highlighted.

Slide 7 : Greyscale, 0.1% clip shadowgram with NW illumination and 50^0 sun elevation.

Slide 8 : Greyscale, 0.1% clip shadowgram with NE illumination and 50^0 sun elevation.

Slide 9 : Pseudocoloured, raw magnetics with 0.1% clip linear contrast stretch.

Slide 10: Pseudocoloured, 0.1% clip with upward continuation to 1,000 metres. This filter has the effect of simulating measurements taken 1,000 metres above ground level. The result is to attenuate anomalies and is more pronounced for high than low frequency anomalies.

Slide 11: Pseudocoloured, 0.1% clip with downward continuation to 50 metres. This filter simulates measurements taken 50 metres above ground level. It has more influence on high than low frequency components and effectively sharpens their appearance.

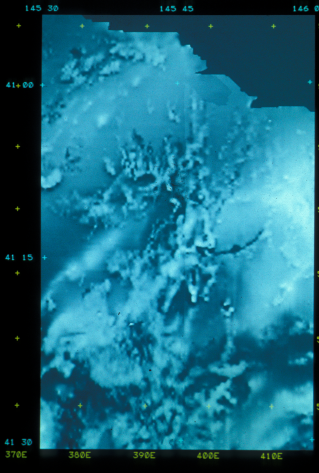
Slide 12: Pseudocoloured, 0.1% clip shadowgram with NW illumination and 50^0 sun elevation.

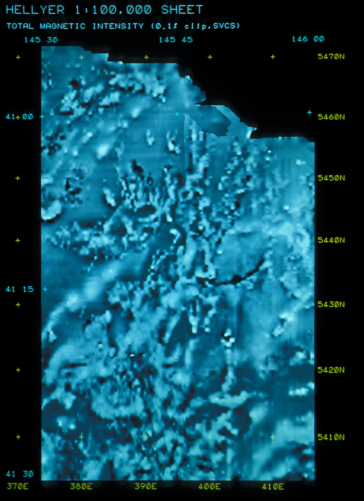
Slide 13: Pseudocoloured, 0.1% clip shadowgram with N illumination and 50^0 sun elevation.

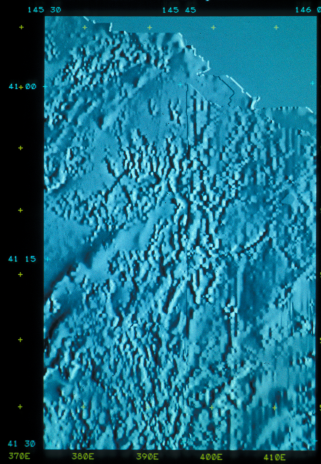
Slide 14: Pseudocoloured, 0.1% clip shadowgram with NE illumination and 50^0 sun elevation.

677023

Slide 15: Pseudocoloured, 0.1% clip shadowgram with E illumination and 50^0 sun elevation.

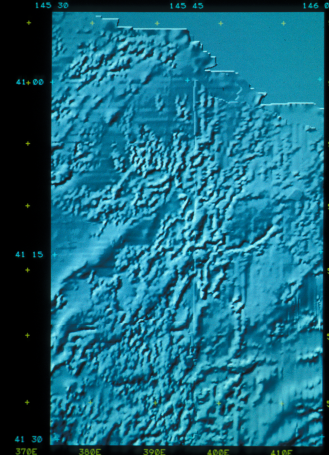

HELLYER 1:100,000 SHEET
TOTAL MAGNETIC INTENSITY (hist'normalised,0.1f clip)
145 30
145 45
146 00
41 00
41 15
41 30
5470N
5460N
5450N
5440N
5430N
5420N
5410N
370E
380E
390E
400E
410E


HELLYER 1:100,000 SHEET
TOTAL MAGNETIC INTENSITY (0.1f c|p,SVCS)
145 30
145 45
146 00
5470N
41+00
5460N
5450N
5440N
41 15
5430N
5420N
5410N
41 30
370E
380E
390E
400E
410E


HELLYER 1:100,000 SHEET
TOTAL MAGNETIC INTENSITY (FDR E-W gradient)
145 30
145 45
146 00
41 00
41 15
41 30
5470N
5460N
5450N
5440N
5430N
5420N
5410N
370E
380E
390E
400E
410E

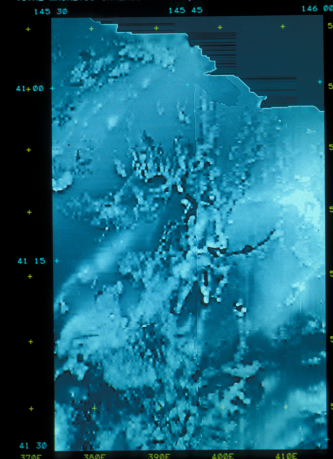
HELLYER 1:100,000 SHEET

TOTAL MAGNETIC INTENSITY (FDA NW-SE gradient)



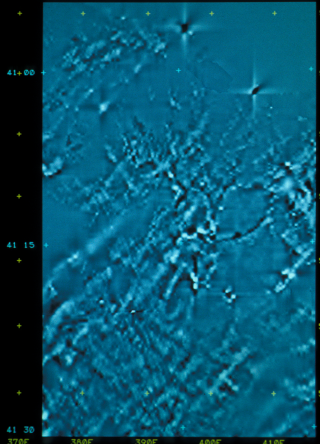
HELLYER 1:100,000 SHEET

TOTAL MAGNETIC INTENSITY (HP spatial filter)



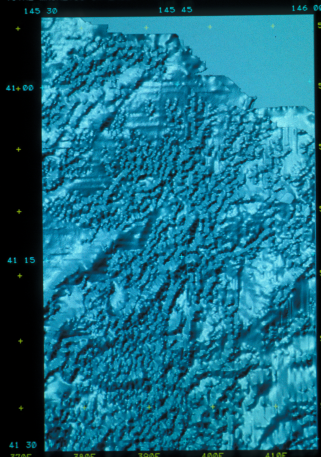
HELLYER 1:100,000 SHEET

TOTAL MAGNETIC INTENSITY (HP freq filter 10km cutoff)



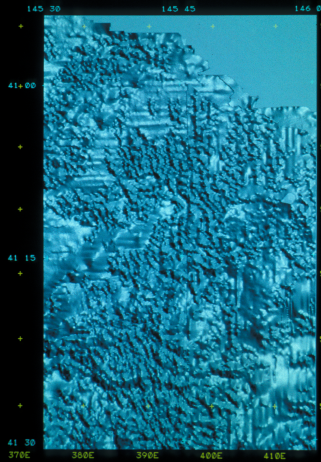
HELLYER 1:100,000 SHEET

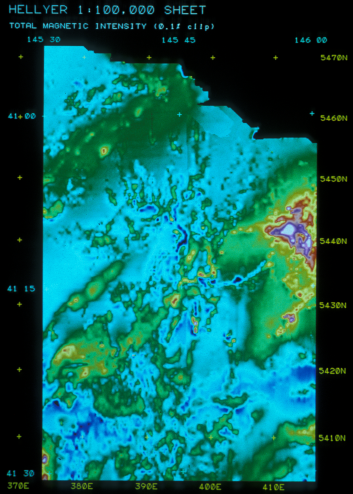
TOTAL MAGNETIC INTENSITY (NW III.50 elev)



HELLYER 1:100,000 SHEET

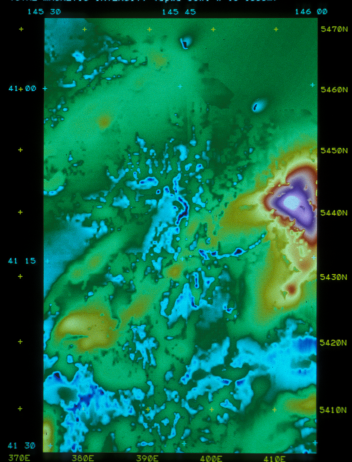
TOTAL MAGNETIC INTENSITY (NE 111.50 elev)

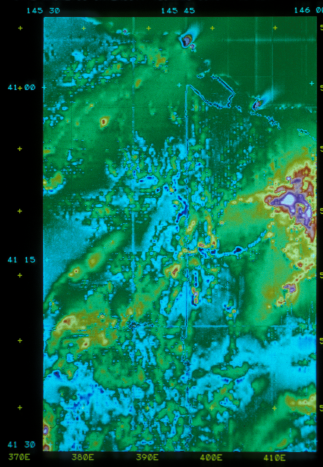



HELLYER 1:100,000 SHEET
TOTAL MAGNETIC INTENSITY (0.1f clip)
145 30
145 45
146 00
5470N
41:00
5460N
5450N
5440N
41 15
5430N
5420N
5410N
41 30
370E
380E
390E
400E
410E

HELLYER 1:100,000 SHEET

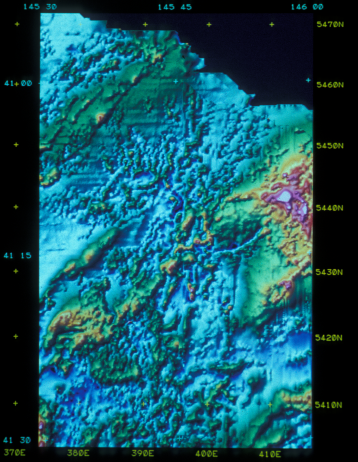
TOTAL MAGNETIC INTENSITY (upwd cont'n to 1000m)




HELLYER 1:100,000 SHEET
TOTAL MAGNETIC INTENSITY (downwd cont'n to 50m)
145 30
145 45
146 00
41 00
41 15
41 30
5470N
5460N
5450N
5440N
5430N
5420N
5410N
370E
380E
390E
400E
410E

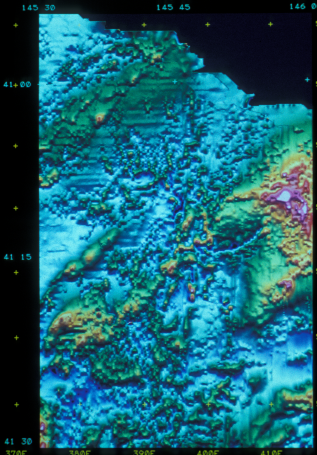
HELLYER 1:100,000 SHEET

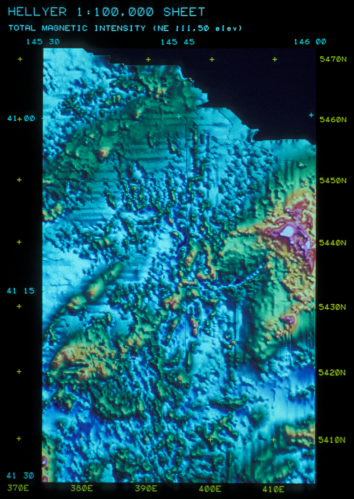
TOTAL MAGNETIC INTENSITY (NW 111.50 elev)

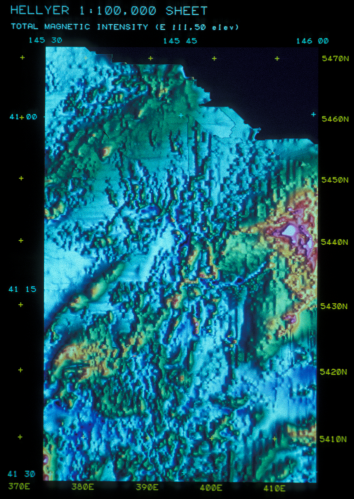


HELLYER 1:100,000 SHEET

TOTAL MAGNETIC INTENSITY (N 111.50 elev)




HELLYER 1:100,000 SHEET
TOTAL MAGNETIC INTENSITY (NE 111.50 elev)
145 30
145 45
146 00
5470N
41 00
5460N
5450N
5440N
41 15
5430N
5420N
5410N
41 30
370E
380E
390E
400E
410E


HELLYER 1:100,000 SHEET
TOTAL MAGNETIC INTENSITY (E 111.50 elev)
145 30
145 45
146 00
5470N
5460N
5450N
5440N
5430N
5420N
5410N
41:00
41 15
41 30
370E
380E
390E
400E
410E