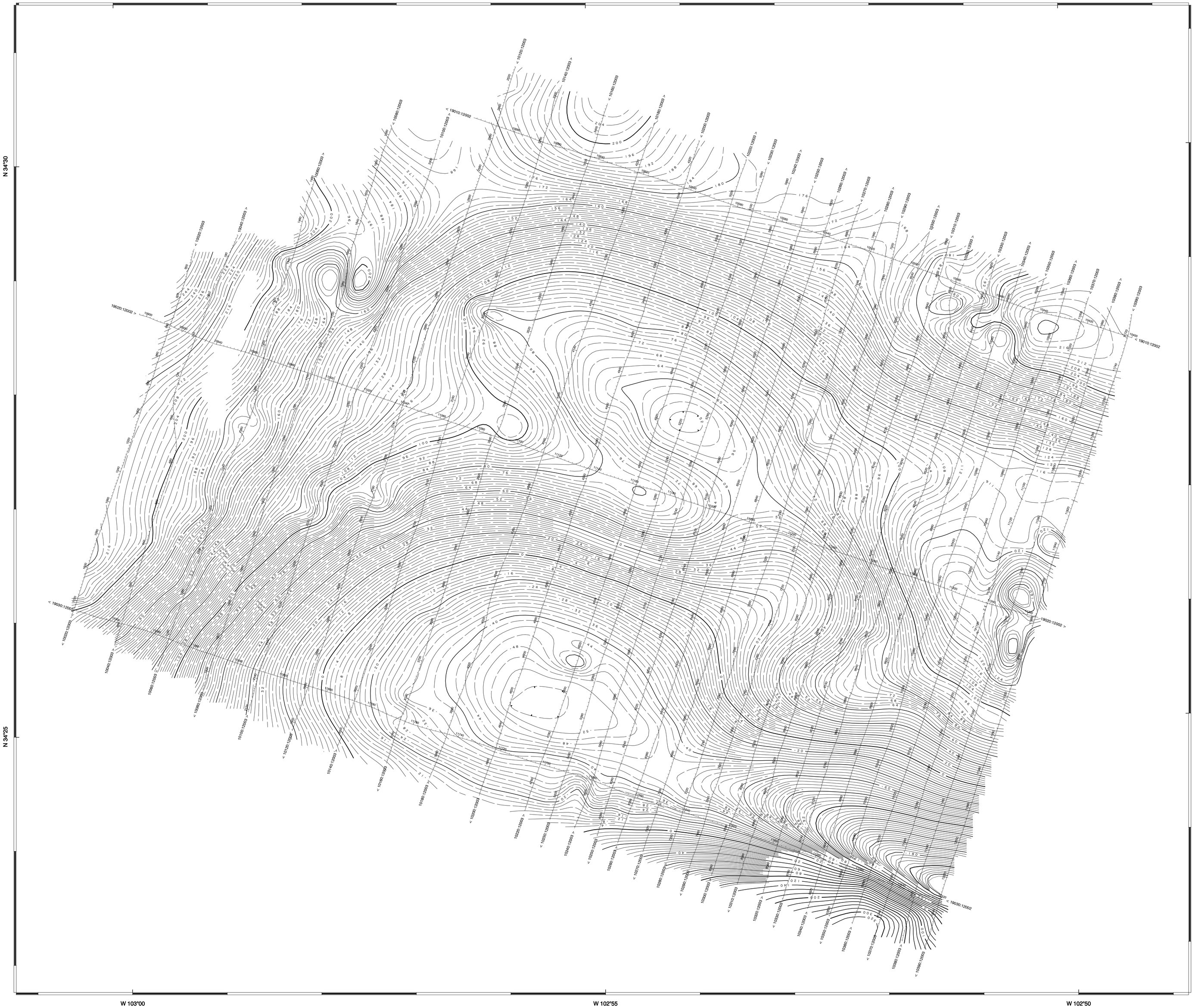
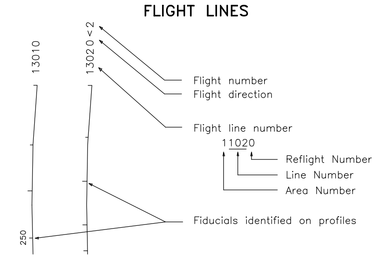


TECHNICAL SUMMARY

Navigation	Differentially–corrected GPS
Data reduction grid interval	100 metres
Terrain clearance	Helicopter 57 m Electromagnetic sensor 30 m Magnetometer 30 m
Data sampling interval	0.1 second
Magnetometer / sensitivity	Cesium / 0.01 nT
Electromagnetic system	FUGRO RESOLVE
Regional field removed	International Geomagnetic Reference Field 2005
Date flown	March 16–17, 2007

Frequency	Sensitivity	Coil Orientation
3300 Hz	0.12 ppm	Vertical coaxial
400 Hz	0.12 ppm	Horizontal coplanar
1500 Hz	0.12 ppm	Horizontal coplanar
6200 Hz	0.24 ppm	Horizontal coplanar
25000 Hz	0.60 ppm	Horizontal coplanar
115000 Hz	0.60 ppm	Horizontal coplanar

FLIGHT LINES



RESIDUAL MAGNETIC FIELD CONTOURS

. . . . . 100 nT

. . . . . 20 nT

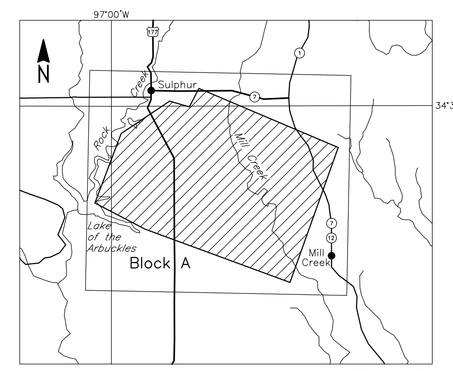
. . . . . 4 nT

. . . . . 2 nT

. . . . . magnetic low

Magnetic inclination within the survey area: 63 degrees N
Magnetic declination within the survey area: 4 degrees E

LOCATION MAP



U.S. GEOLOGICAL SURVEY

Arbuckle Simpson Aquifer Block A, Oklahoma

RESIDUAL MAGNETIC FIELD

IGRF Removed

FUGRO RESOLVE SURVEY	REF: NI 14–6	GEOPHYSICIST:
DATE: MARCH, 2007	JOB: 06079	SHEET: 1

Fugro Airborne Surveys

0 1:0 2.0 Km
1/2 0 Scale 1:24 000 1 MI

FUGRO AIRBORNE SURVEYS