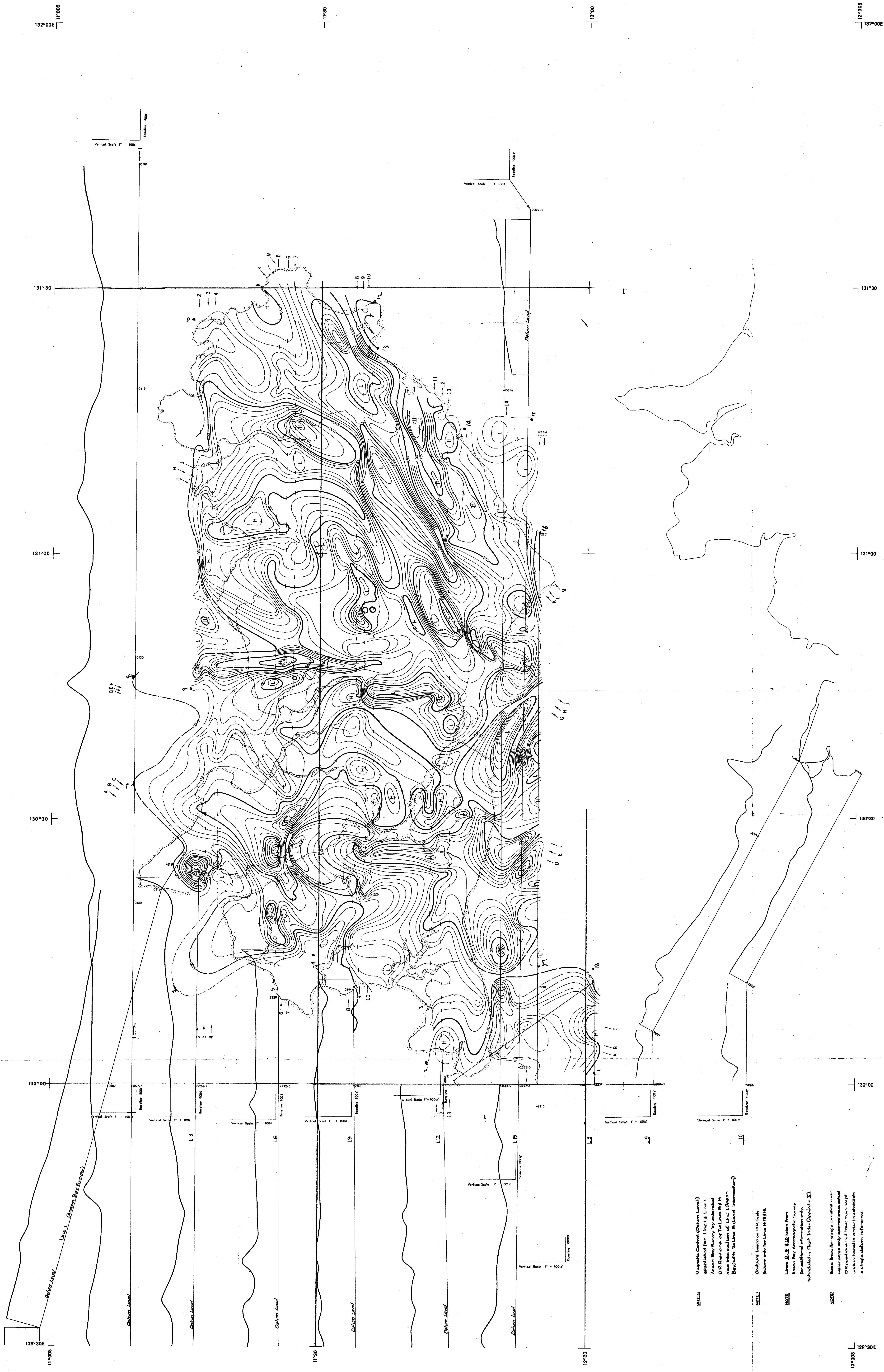
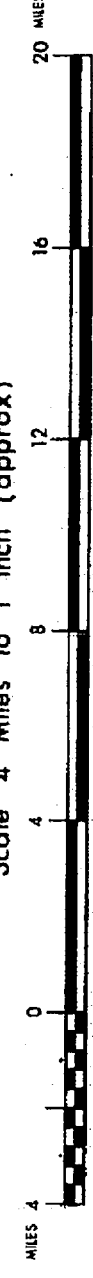


MELVILLE ISLAND AEROMAGNETIC SURVEY 1963



Flown and Compiled by
ADASTRA HUNTING GEOPHYSICS PTY. LTD.
41-45 VICKERS AVE.,
MASCOT N.S.W.

**ALLIANCE OIL DEVELOPMENT AUST. N.L.
TOTAL MAGNETIC INTENSITY MAP**



MAGNETIC INFORMATION (TOTAL FIELD)

Intensity 46,000 gamma
Inclination -38°

Single Profiles Only Over Sea Areas

EXPLANATORY NOTE

This survey was made on an altitude of 2000 feet ASL, along U.S. lines in groups of three with 1 mile spacing. Groups approx 10 miles apart and N-S line sites in groups of three triangulated. Ground radio altimeter recorded terrain clearance. Flare magenta intensities were used as a visual aid to navigation and the optical course of the aircraft was plotted from vertical photographic intensities with a 35 mm. camera during flight. The optical magnetic intensity was continuously recorded by a GULF RESEARCH TOOL FORCE FLUORIGAT MAGNETOMETER MARK III off-board installation by a Helio-Photometer. The magnetic intensity was recorded by a Helio-Photometer. 1.5 gauss per line site was applied as a