



Offshore Ar.naj part-II*

09070
MAGNETIC BASEMENT

CONTOUR INTERVAL - 1000 FEET
TOTAL MAGNETIC INTENSITY

AEROMAGNETIC SURVEY - OFFSHORE TASMANIA

EXPLORATION LICENSE 1/60 & 18/65

ESSO EXPLORATION AUSTRALIA INC.

SCALE 1:250,000

INTERPRETATION BY GEOPHYSICAL ASSOCIATES INTERNATIONAL LTD. SHEET 1 OF 17

MAGNETIC BASEMENT ESTIMATED FROM GRAVITY DATA
FROM SURFACE AND AIRBORNE DATA
75 PERCENT OF TOTAL MAGNETIC INTENSITY
CONTAINS AND ISOLATED FROM SURFACE DATA
ESTIMATED WITH 200 GAUSS POLARIZATION CONTRAST
FOR AIRBORNE DATA ONLY

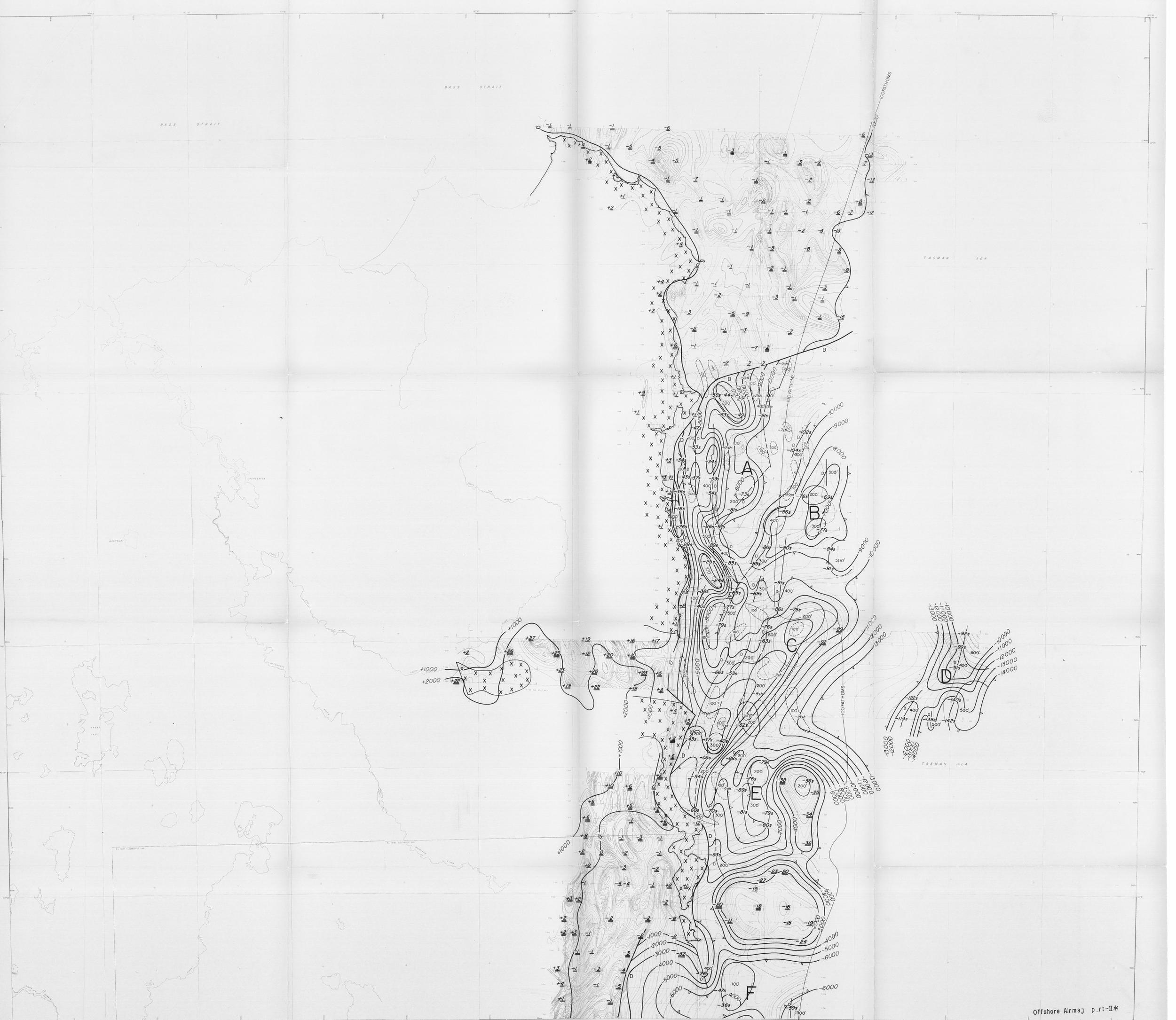
TRANSVERSE INTERVAL - 2 NAUTICAL MILES (APPROX)
CONTOUR LINE INTERVAL - 1000 FEET
FLIGHT ALTITUDE - 1800 & 3600 FEET A S L
CONTOUR INTERVAL - 10 GAMMA
BASE INTENSITY - ARBITRARY
REGIONAL VARIATION CORRECTION APPLIED
PROJECTION - TRANSVERSE MERCATOR

DEVONIAN GRANITE

5 km

1	2
3	4

OR-083



Offshore Airmap p.rt-II*

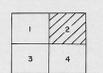
090011
MAGNETIC BASEMENT
CONTOUR INTERVAL 1000 FEET

TOTAL MAGNETIC INTENSITY
AEROMAGNETIC SURVEY - OFFSHORE TASMANIA
EXPLORATION LICENSES 17/65, 16/65, 16/65
ESSO EXPLORATION AUSTRALIA INC.
ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED

SCALE 1:250,000
SHEET 2

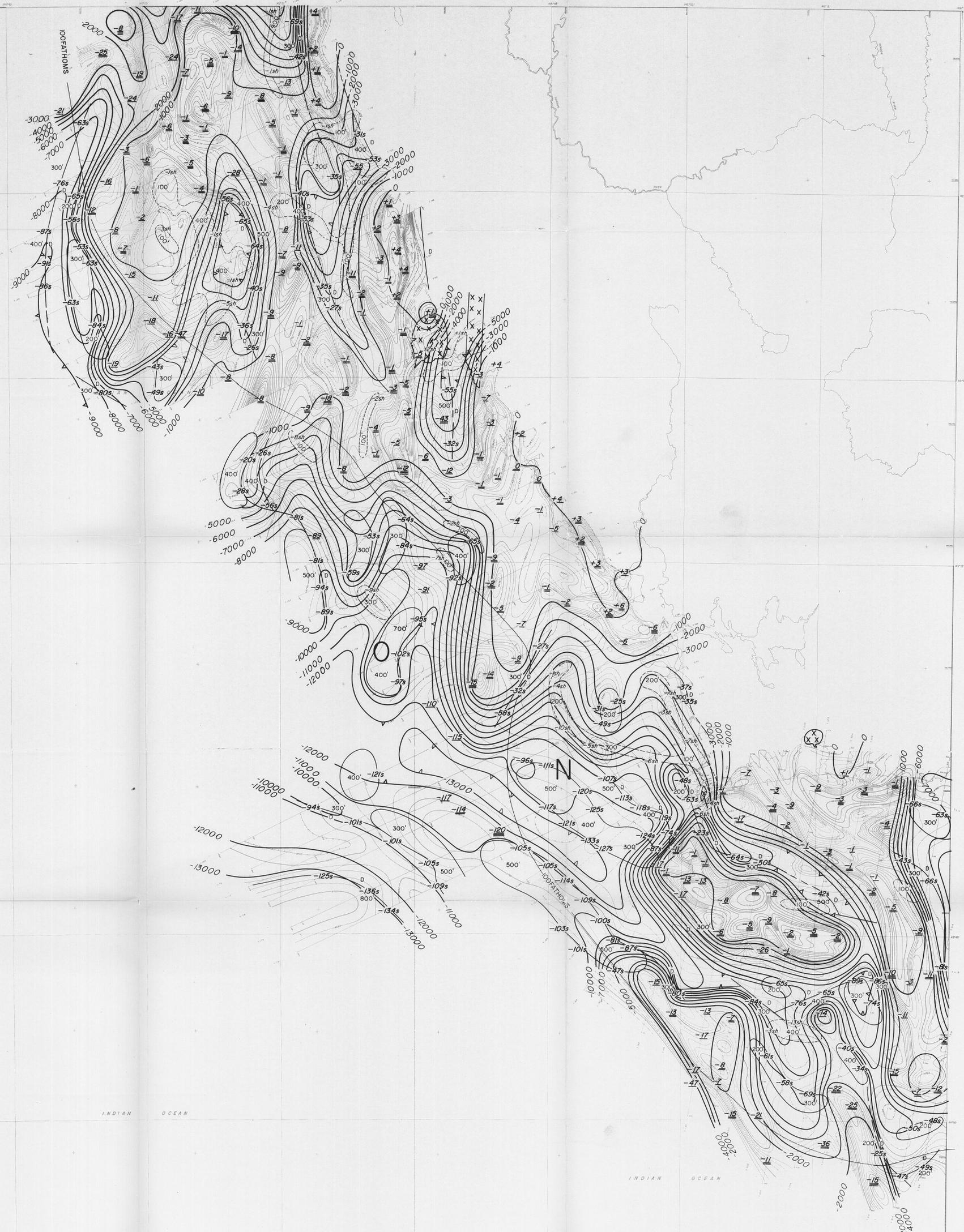
MAGNETIC BASEMENT ESTIMATED FROM SEA LEVEL DATA
2000 METERS ANNUALLY
FROM BOMBARMENT ANNUALLY
775 FEET AND EDGE OF THE FREEZE SUBSEQUENT
ANNUALLY WITH ANNUAL INCREASES IN FEET
ESTIMATED BY THE FOLLOWING TABLE FOR THE EAST
1000 METERS INCREASE IN FEET
800 VERTICAL INCREASE IN FEET
ARBITRARY
BASE INTENSITY -
REGIONAL VARIATION CORRECTION APPLIED
PROJECTION - TRANSVERSE MERCATOR

TRaverse INTERVAL - 2 NAUTICAL MILES (APPROX.)
CONTROL LINE INTERVAL - VARIABLE
FLIGHT ALTITUDE - 1500 & 3750 FEET A.S.L.
CONTOUR INTERVAL - 5 & 10 GAMMA
BASE INTENSITY -
REGIONAL VARIATION CORRECTION APPLIED
PROJECTION - TRANSVERSE MERCATOR



INTERPRETATION BY
GEOLOGICAL ASSOCIATES INTERNATIONAL
JUNE 1967

ESSE SERVICE
L. I. M. I. T. E. D.



Offshore Airmag part-II*

090072

MAGNETIC BASEMENT
CONTOUR INTERVAL 1000 FEET

TOTAL MAGNETIC INTENSITY

AEROMAGNETIC SURVEY - OFFSHORE TASMANIA

EXPLORATION LICENCE 18/68

ESSO EXPLORATION AUSTRALIA INC

SCALE 1:250,000

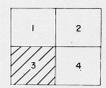
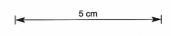
MILES 0 1 2 3 4

SHEET 3

AERO SERVICE LIMITED

MAGNETIC BASEMENT ESTIMATES FT/100 SEA LEVEL DATUM
FROM SUPRABASMENT ANOMALY
75% FROM SUPRABASMENT ANOMALY
OUTLINES AND EDGES OF PLATES FROM SUPRABASMENT
ANOMALIES WITH MAXIMUM THICKNESS IN FEET
ESTIMATED WITH 100% POLARIZATION CONTRAST
100% MAXIMUM THICKNESS IN FEET
800' VERTICAL THICKNESS IN FEET
MAGNETIC MATERIAL WITHIN SEDIMENTARY SECTION
100' MAXIMUM THICKNESS IN FEET
90% DEPTH ESTIMATE IN FT/100
REGIONAL MAGNETIC BASEMENT FAULT
AREA OF INTEREST

TRAVERSE INTERVAL - 2 NAUTICAL MILES (APPROX)
CONTROL LINE INTERVAL - VARIABLE
FLIGHT ALTITUDE - 1500 FEET A S L
CONTOUR INTERVAL - 10 GAMMA
BASE INTENSITY - ARBITRARY
REGIONAL VARIATION CORRECTION APPLIED
PROJECTION - TRANSVERSE MERCATOR



OR-083

INTERPRETATION BY
GEOPHYSICAL ASSOCIATES INTERNATIONAL
JUNE 1967

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Offshore Ar.nag part-II*
090073



1	2
3	4

MAGNETIC BASEMENT ESTIMATED AT 1000 SEA LEVEL DATUM
 FROM AIRBORNE SURVEY
 20 000 GAUSS - 4000
 FROM OBSERVATION DATA
 OUTLINES AND EDGES OF PLATES FROM SUPERMAGNETIC
 CONTINUED BY AIRBORNE SURVEY
 100 METER THICKNESS IN FEET
 100 METERS THICKNESS IN METERS
 100 METERS THICKNESS IN METERS
 100 METERS THICKNESS IN METERS
 MAGNETIC MATERIAL WITHIN SEDIMENTARY SECTION
 100 METER THICKNESS IN FEET
 100 METERS THICKNESS IN METERS
 REGIONAL MAGNETIC BASEMENT FAULT
 AREA OF INTEREST

TRaverse INTERVAL - 2 NAUTICAL MILES (APPROX)
 CONTROL LINE INTERVAL - VARIABLE
 FLIGHT ALTITUDE - 1500 FEET A.S.L.
 CONTOUR INTERVAL - 100 GAMMA
 BASE INTENSITY - ARBITRARY
 REGIONAL VARIATION CORRECTION APPLIED
 PROJECTION - TRANSVERSE MERCATOR

MAGNETIC BASEMENT
 CONTOUR INTERVAL 1000 FEET
 TOTAL MAGNETIC INTENSITY
 AEROMAGNETIC SURVEY - OFFSHORE TASMANIA
 EXPLORATION LICENSES 1785, 1875, 1975
 ESSO EXPLORATION AUSTRALIA INC.
 ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED
 SCALE 1:250,000
 SHEET 4