

5 cm

a BELOW-BOUGUER ANOMALY
Reproduced from Gravity map of Tasmania.

DENSITY 2670 kgm⁻³
CONTOUR INTERVAL 50 μm sec⁻²
100 μm sec⁻²



SOURCE DIAGRAM

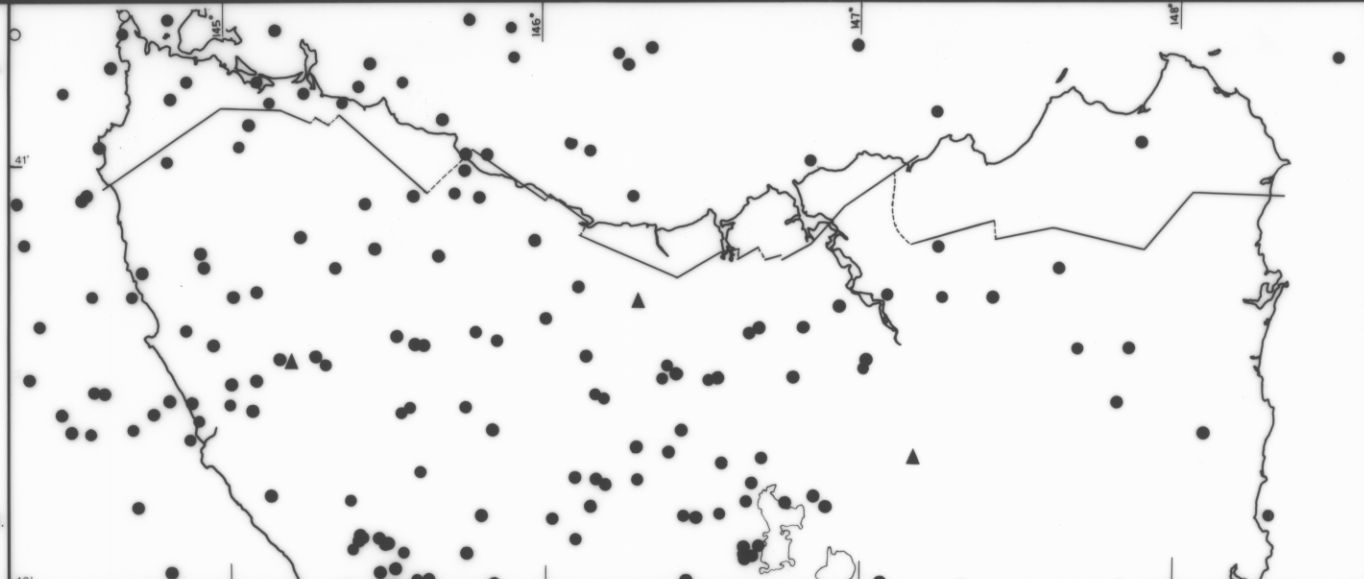
- 1 B.M.R. data base (incorp some 2,3)
- 2 University of Tasmania
- 3 Geological Survey of Tasmania
- 4 Dept. Mines - Tas. Open file 6/8

Note - Only data class 3 terrain corrected (1+19km)

Compiled by D.E. LEAMAN from above sources

--- Moho depth. } Kms.
- - - Subject to revision

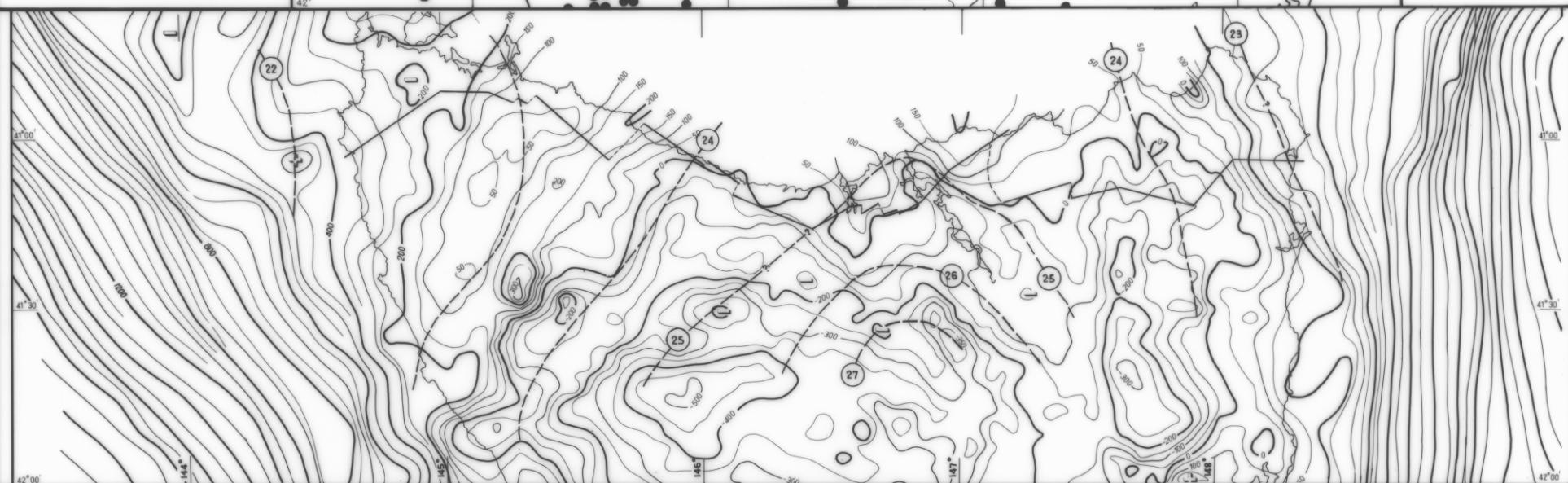
Source: Leaman, D.E., 1979, Unpub. rep. Tas. Dept. Mines 1979/46 Richardson R. unpublished Ph.D thesis material University of Tasmania (1979)



b - LEFT - SEISMIC ACTIVITY FOR THE PERIOD

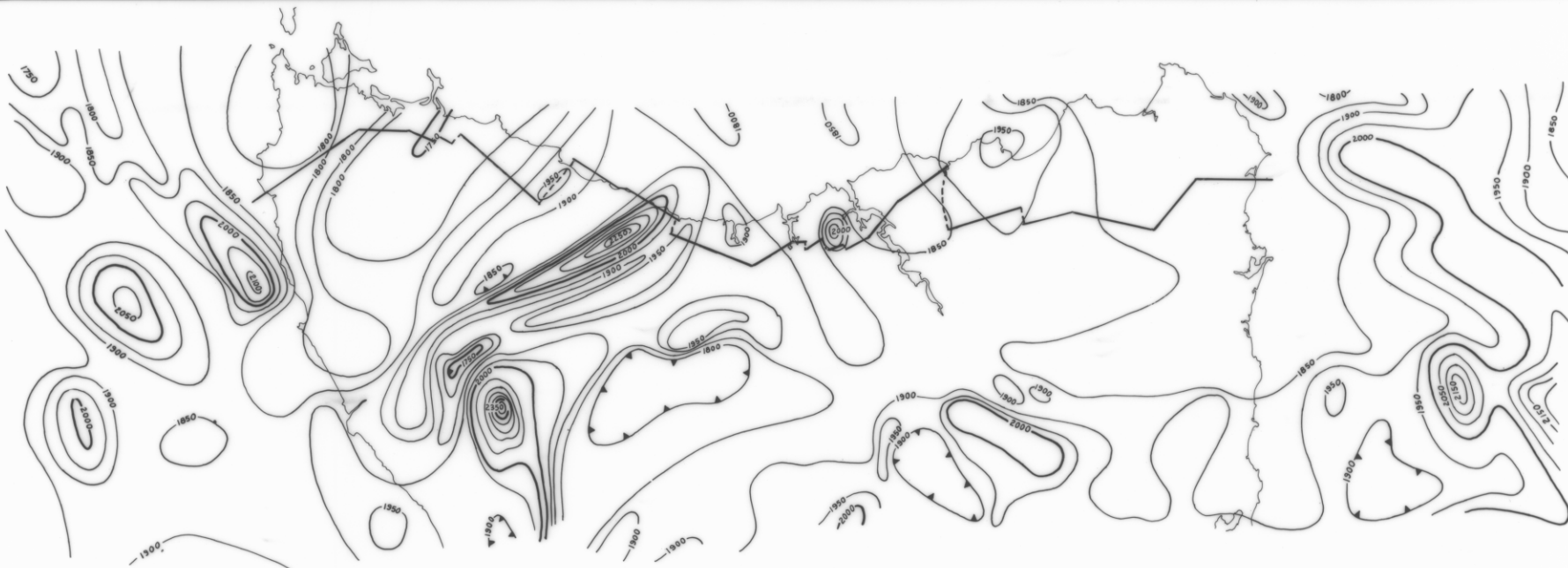
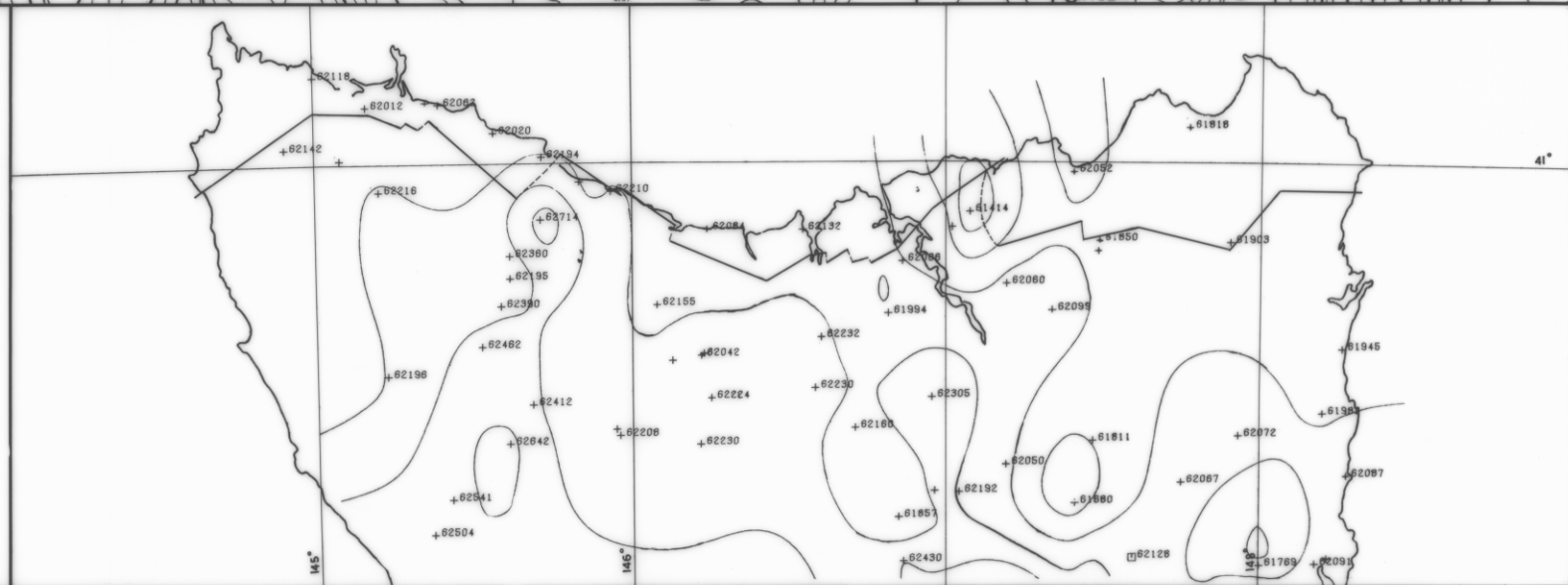
Nov. 1960 - Dec. 1978
A Recording station
75% of events < M2
20% " " > M2
5% " " > M3

Reproduced from:
Shirley, J.E., 1980
Tasmanian Seismicity -
Natural and Artificial
Bull. Seismological Soc.
V. 70, N°6, p2203-2220



c RIGHT - TOTAL GEOMAGNETIC FIELD (F)
Contour levels at 200 nT

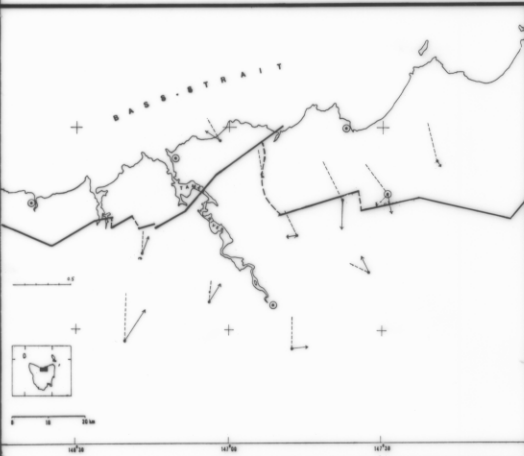
Reproduced from unpublished survey by D. Parkinson - University of Tasmania (1979).



d. AEROMAGNETIC SURVEY OF TOTAL INTENSITY

Reproduced from Finney, W.A., Shelley, E.P.,
Tasmania Aeromagnetic Survey 1966.
B.M.R. Record N° 1966/139.

Contour interval 50 gammas.
Toothed lines indicate magnetic lows.

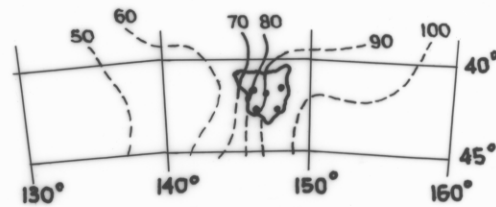


e LEFT - GEOMAGNETIC DEEP SOUNDING, TAMAR REGION

Induction vectors for a period of 32 mins. Solid line - Z in phase with horizontal, broken line - Z out of phase with horizontal.
Reproduced from Unpublished M.Sc. thesis material of Nazhar Buyung, University of Tasmania (1979).

f RIGHT - HEAT FLOW

Contours derived from 3° grid of values.
Reproduced from: Cull, J.P., Denham, D., 1979 - Regional variations in Australian heat flow, B.M.R. Journal of Australian Geology and Geophysics, 4, pp. 1-13.



Contour interval 10 m Wm⁻²
• Data point

REGIONAL GEOPHYSICAL DATA - NORTHERN TASMANIA

MAPS a, b, c, d, e

0 20 40 60 80 kms.

MAP f

0 1600 3200 kms

TASMANIAN DEPT. OF MINES (1979)

Compiled by N.J. Turner