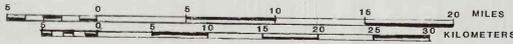


# PRELIMINARY AEROMAGNETIC MAP OF THE LEWISTON AND SHERBROOKE QUADRANGLES

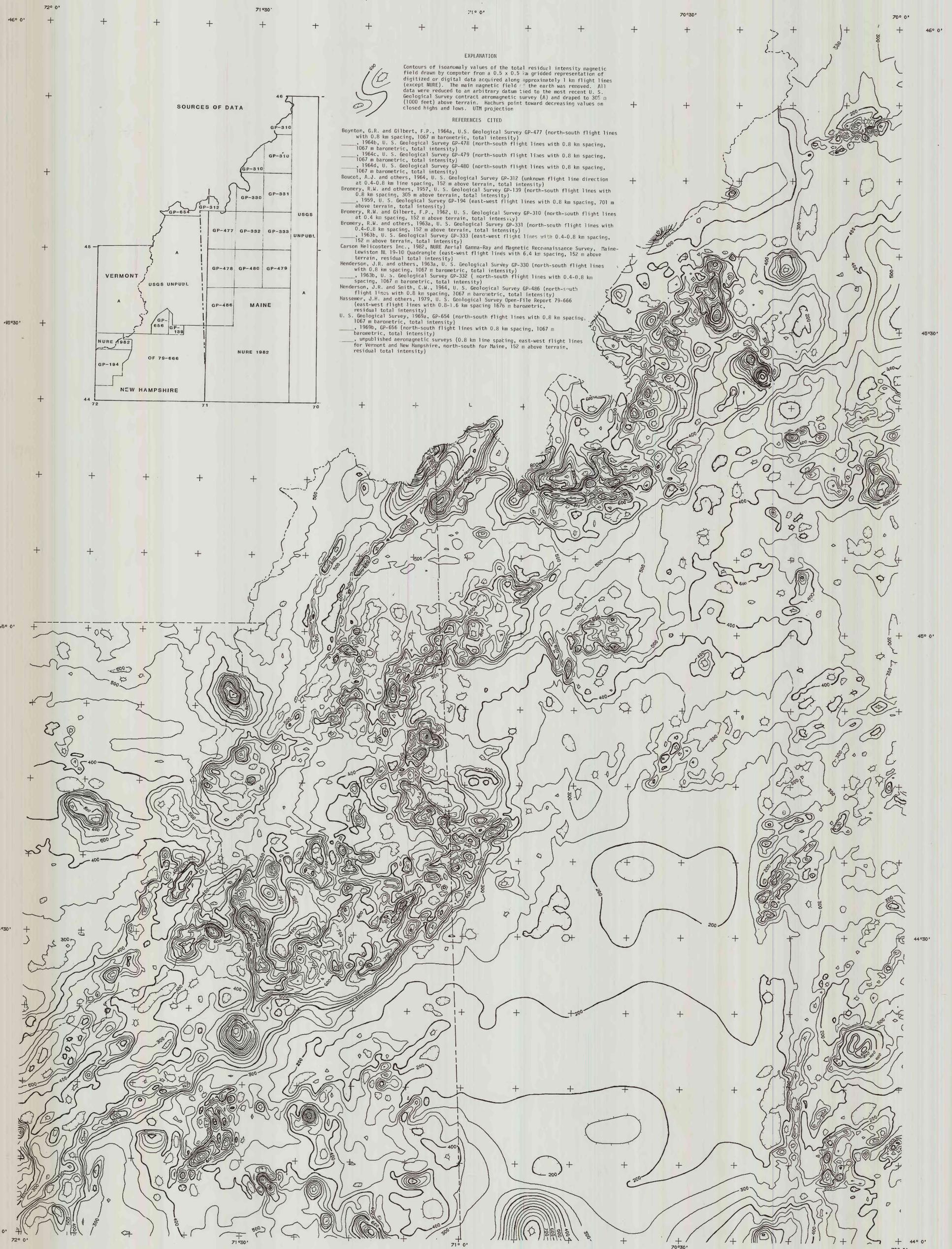
MAINE - NEW HAMPSHIRE - VERMONT

BY  
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SCALE 1 : 250,000



CONTOUR INTERVAL 50 nT



### EXPLANATION

Contours of isonomaly values of the total residual intensity magnetic field drawn by computer from a 0.5 x 0.5 km gridded representation of digitized or digital data acquired along approximately 1 km flight lines (except NURE). The main magnetic field of the earth was removed. All data were reduced to an arbitrary datum tied to the most recent U. S. Geological Survey contact aeromagnetic survey (A) and draped to 305 m (1000 feet) above terrain. Hachurs point toward decreasing values on closed highs and lows. UTM projection

### REFERENCES CITED

- Boynton, G.R. and Gilbert, F.P., 1964a, U.S. Geological Survey GP-477 (north-south flight lines with 0.8 km spacing, 1067 m barometric, total intensity)
- 1964b, U. S. Geological Survey GP-478 (north-south flight lines with 0.8 km spacing, 1067 m barometric, total intensity)
- 1964c, U. S. Geological Survey GP-479 (north-south flight lines with 0.8 km spacing, 1067 m barometric, total intensity)
- 1964d, U. S. Geological Survey GP-480 (north-south flight lines with 0.8 km spacing, 1067 m barometric, total intensity)
- Boucot, A.J. and others, 1964, U. S. Geological Survey GP-312 (unknown flight line direction at 0.4-0.8 km line spacing, 152 m above terrain, total intensity)
- Bromery, R.W. and others, 1957, U. S. Geological Survey GP-139 (north-south flight lines with 0.8 km spacing, 305 m above terrain, total intensity)
- 1959, U. S. Geological Survey GP-194 (east-west flight lines with 0.8 km spacing, 701 m above terrain, total intensity)
- Bromery, R.W. and Gilbert, F.P., 1962, U. S. Geological Survey GP-310 (north-south flight lines at 0.4 km spacing, 152 m above terrain, total intensity)
- Bromery, R.W. and others, 1963a, U. S. Geological Survey GP-331 (north-south flight lines with 0.4-0.8 km spacing, 152 m above terrain, total intensity)
- 1963b, U. S. Geological Survey GP-333 (east-west flight lines with 0.4-0.8 km spacing, 152 m above terrain, total intensity)
- Carson Helicopters Inc., 1962, NURE Aerial Gamma-Ray and Magnetic Reconnaissance Survey, Maine-Lewiston 10-10 Quadrangle (east-west flight lines with 6.4 km spacing, 152 m above terrain, residual total intensity)
- Henderson, J.R. and others, 1963a, U. S. Geological Survey GP-330 (north-south flight lines with 0.8 km spacing, 1067 m barometric, total intensity)
- 1963b, U. S. Geological Survey GP-332 (north-south flight lines with 0.4-0.8 km spacing, 1067 m barometric, total intensity)
- Henderson, J.R. and Smith, C.W., 1964, U. S. Geological Survey GP-486 (north-south flight lines with 0.8 km spacing, 1067 m barometric, total intensity)
- Hassmer, J.H. and others, 1979, U. S. Geological Survey Open-File Report 79-666 (east-west flight lines with 0.8-1.6 km spacing 1676 m barometric, residual total intensity)
- U. S. Geological Survey, 1969a, GP-654 (north-south flight lines with 0.8 km spacing, 1067 m barometric, total intensity)
- 1969b, GP-656 (north-south flight lines with 0.8 km spacing, 1067 m barometric, total intensity)
- unpublished aeromagnetic surveys (0.8 km line spacing, east-west flight lines for Vermont and New Hampshire, north-south for Maine, 152 m above terrain, residual total intensity)

### SOURCES OF DATA

