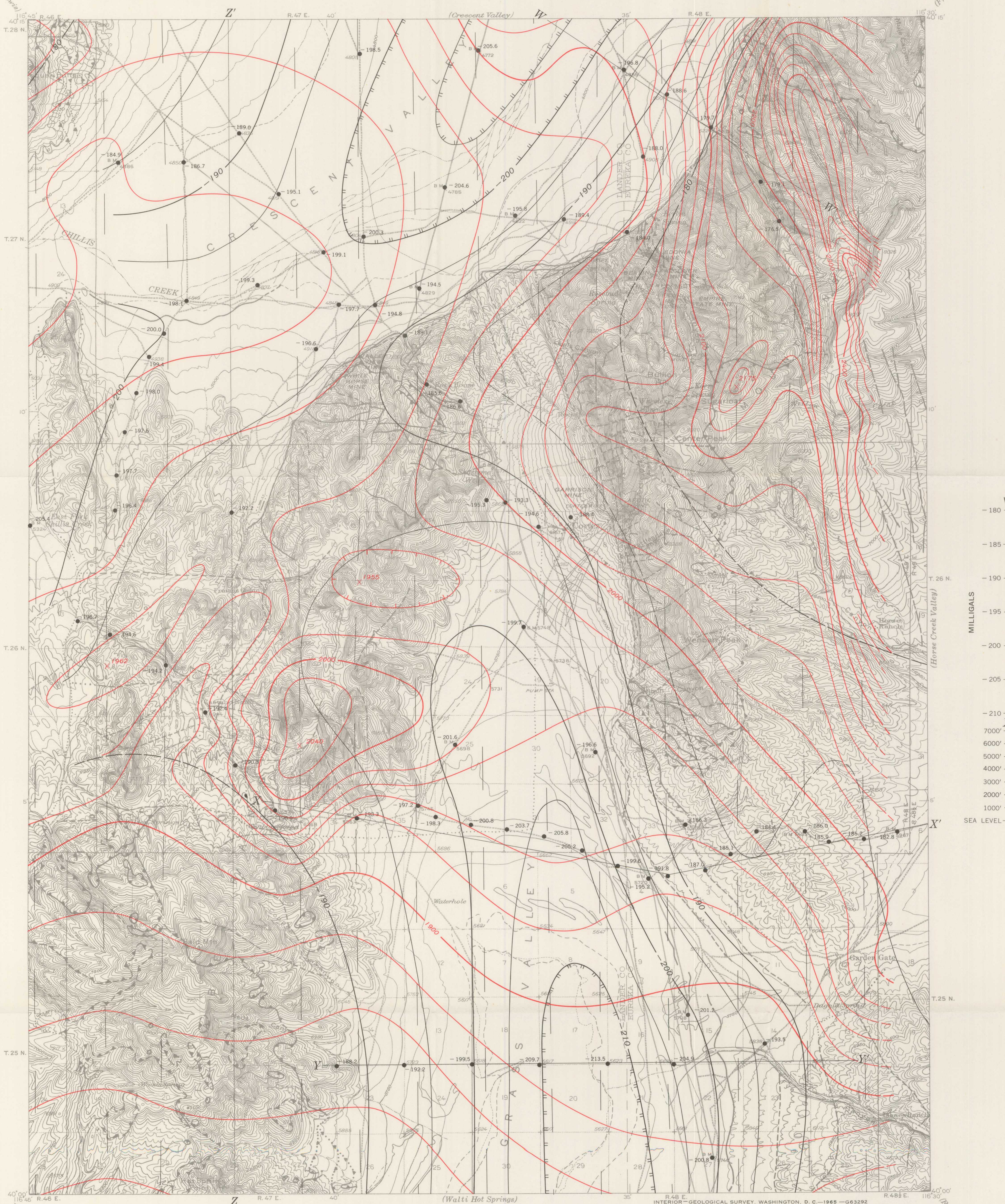
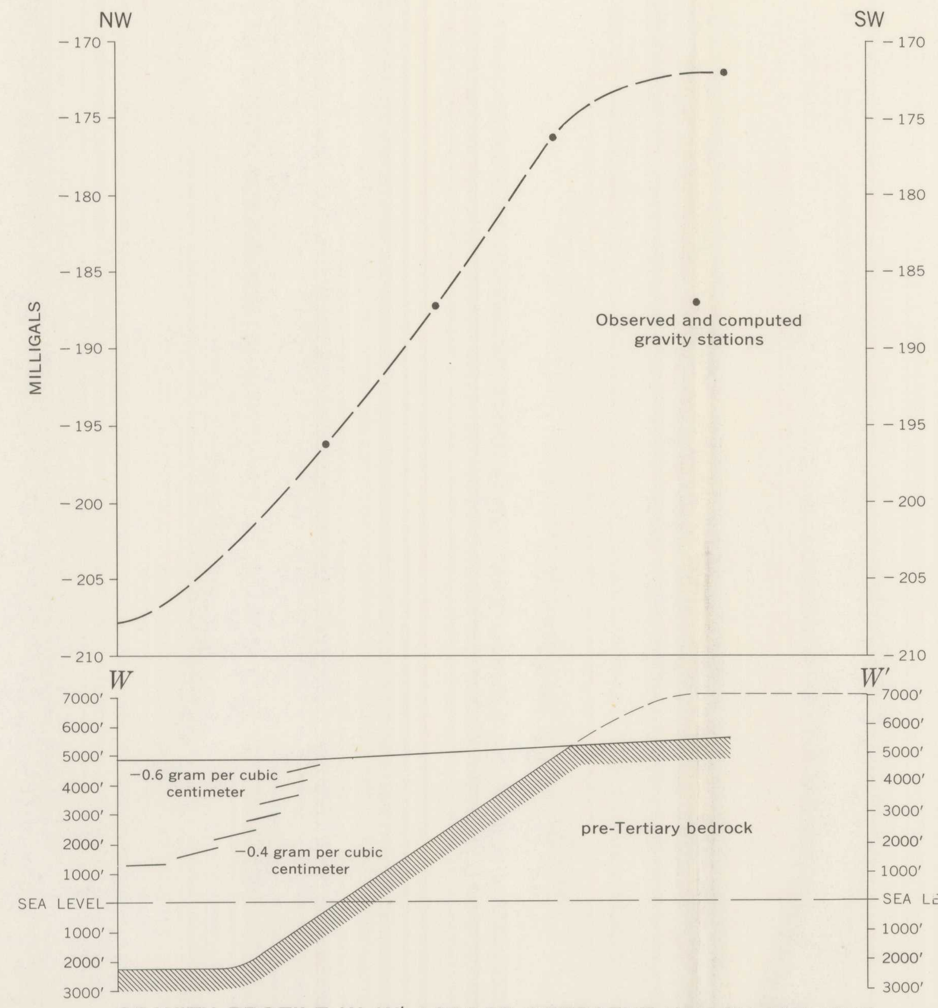
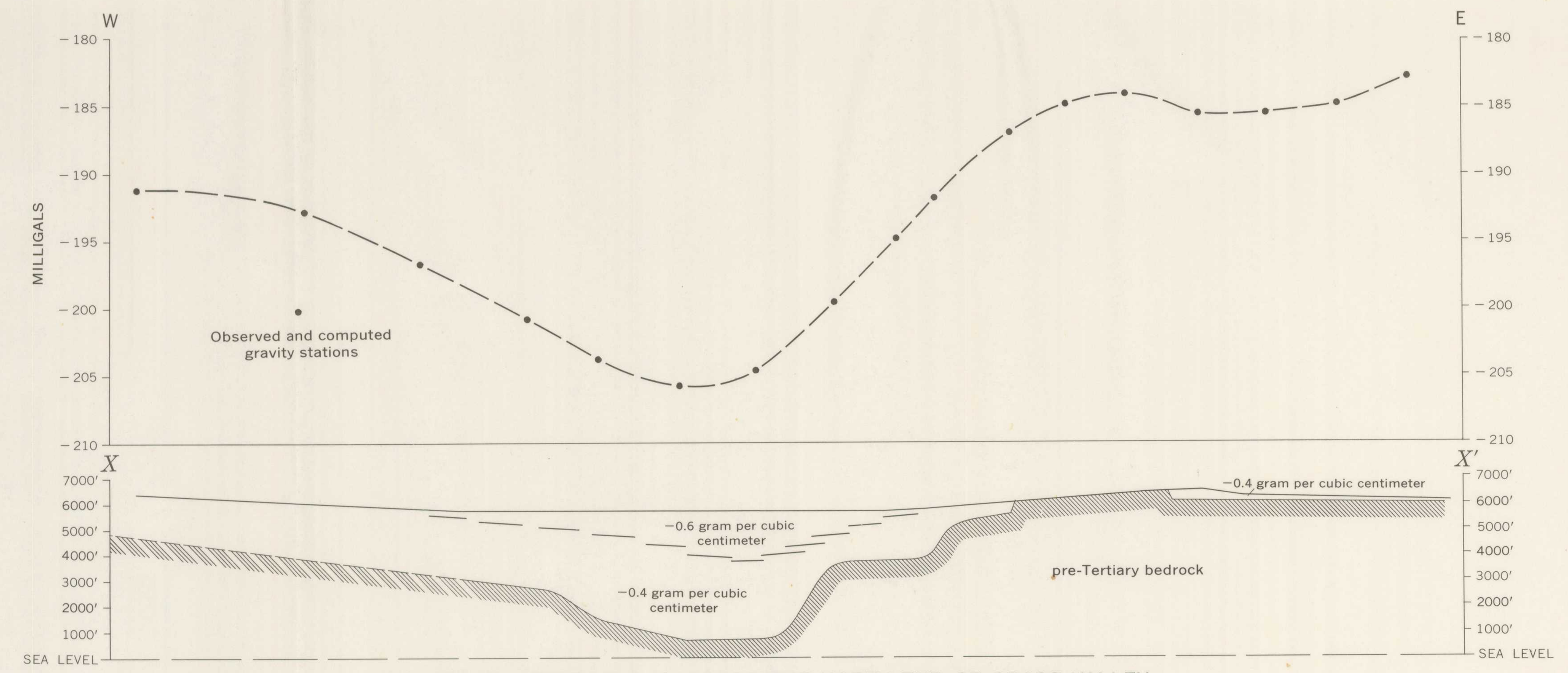


Base map by Topographic Division U.S. Geological Survey, 1938
Base modified by J. Gilluly and H. Masursky, 1959

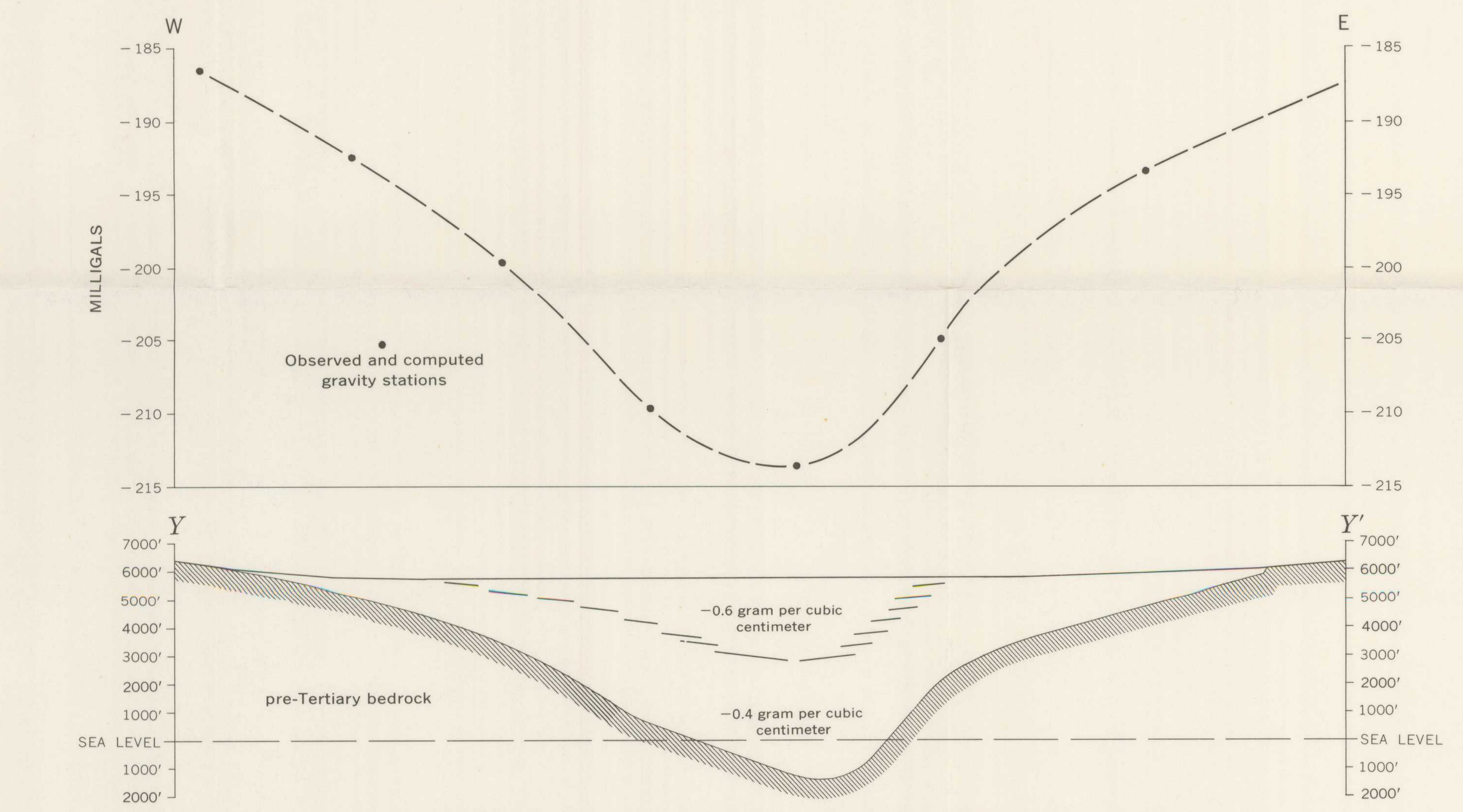
Aeromagnetic map by J. L. Meuschke and others
Gravity map by D. R. Mabey



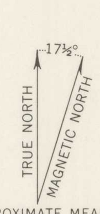
GRAVITY PROFILE W–W' ACROSS CRESCENT VALLEY AND THE FRONT OF THE CORTEZ MOUNTAINS AT FOURMILE CANYON



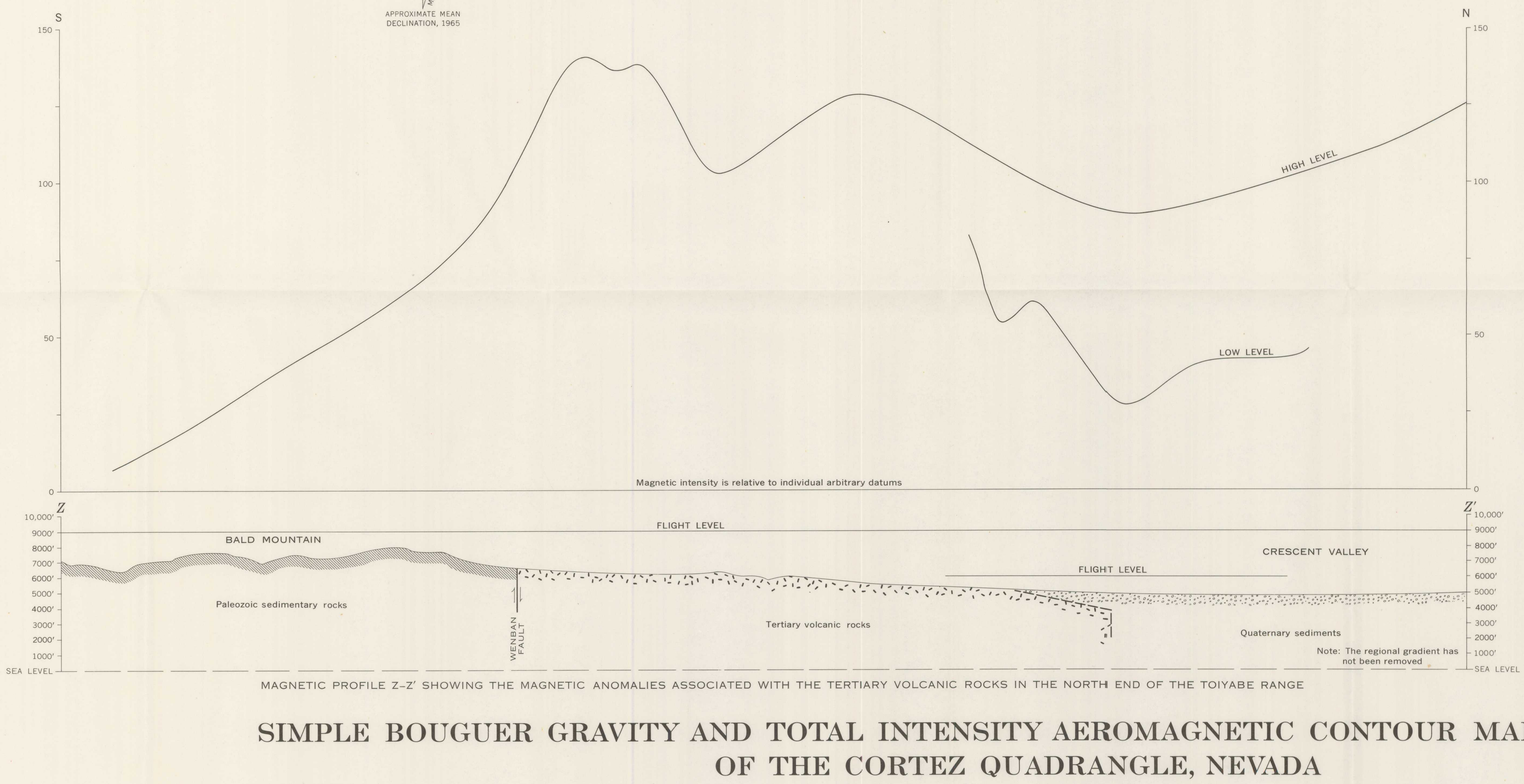
GRAVITY PROFILE X–X' ACROSS THE NORTH END OF GRASS VALLEY



GRAVITY PROFILE Y–Y' ACROSS THE NORTH END OF GRASS VALLEY



APPROXIMATE MEAN DECLINATION, 1965



MAGNETIC PROFILE Z–Z' SHOWING THE MAGNETIC ANOMALIES ASSOCIATED WITH THE TERTIARY VOLCANIC ROCKS IN THE NORTH END OF THE TOIYABE RANGE

EXPLANATION

−198.5

Gravity station
Bouguer anomaly in milligals

—200—

Bouguer gravity contours
Contour interval 5 milligals. Dashed where control inadequate

Gravity contour enclosing area of lower Bouguer anomaly values

—1900—

Magnetic contours
Contour interval is 20 gammas. Contours show total intensity relative to an arbitrary datum. Dashed where control inadequate

Magnetic contour enclosing area of lower magnetic intensity

x 2040

Measured maximum or minimum intensity within closed high or closed low

Flight lines at 9000 foot barometric

Note: Magnetic data were obtained on north-south lines flown 1 mile apart at 9000 feet (barometric) above sea level

SIMPLE BOUGUER GRAVITY AND TOTAL INTENSITY AEROMAGNETIC CONTOUR MAP AND PROFILES OF THE CORTEZ QUADRANGLE, NEVADA

SCALE 1:62 500

1 ½ 0 1 2 3 MILES

1 .5 0 1 2 3 KILOMETERS