UNIVERSITY OF UTAH
RESEARCH INSTITUTE
EARTH SCIENCE LAB.

GL01416-0006

MISCELLANEOUS GEOLOGIC INVESTIGATIONS
MAP I-532-A

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

INDEX MAP SHOWING AREA COVERED BY THE TRANSCONTINENTAL GEOPHYSICAL SURVEY. AREA OF THIS MAP SHADED

EXPLANATION

Magnetic contours

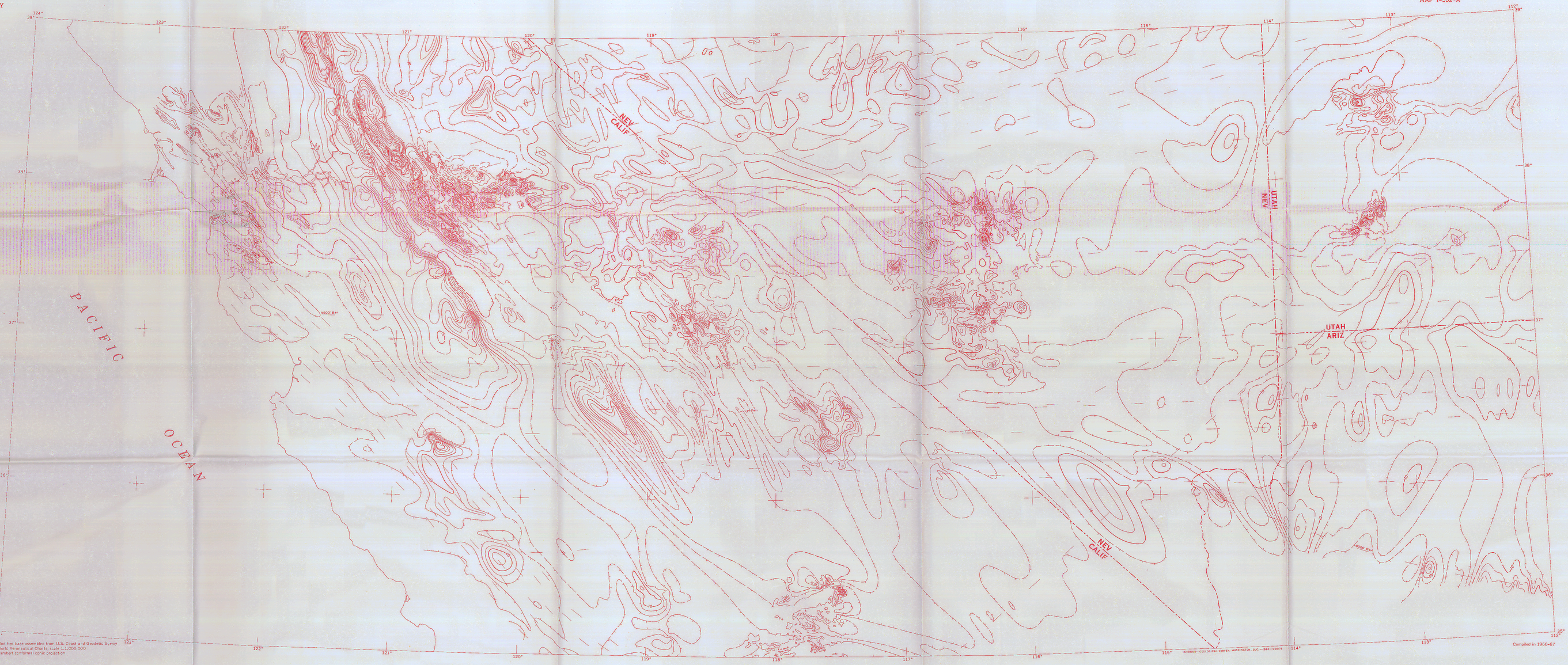
In hundreds of gammas. Dashed where incomplete, contour interval 100 gammas; datum arbitrary. Main magnetic field of the earth, supplied by the U.S. Coast and Geodetic Survey and based on Epoch 1945. Has been removed from all aeromagnetic

Magnetic contours showing area of lower magnetic intensity

9000 Bar

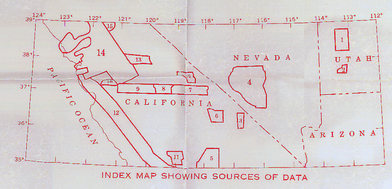
Flight path

Showing location of individual flight lines and deviation to standard elevation. Bar indicates barometric elevation



Modified base assembled from U.S. Coast and Geodetic Survey World Aeronautical Charts, scale 1:1,000,000
Lambert conformal conic projection

Compiled in 1966–67



INDEX MAP SHOWING SOURCES OF DATA

SOURCES OF DATA

All contours not identified by area on the aeromagnetic source map are total intensity contours based on airborne traverse lines flown between 12,000 and 16,000 feet above sea level by the U.S. Naval Oceanographic Office and the U.S. Geological Survey.

1. Total intensity aeromagnetic contours based on one mile spaced lines flown at 9000 feet barometric elevation; from U.S. Geological Survey Map GP-568.
2. Total intensity aeromagnetic contours based on 0.25 mile spaced lines flown 1000 feet above the ground; from U.S. Geological Survey open-file report.
3. Total intensity aeromagnetic contours based on one mile spaced lines flown at 7000 feet barometric elevation; from U.S. Geological Survey Map GP-428.
4. Total intensity aeromagnetic contours based on one mile spaced lines flown at 9000 feet barometric elevation; from U.S. Geological Survey Maps GP-511–520.
5. Total intensity aeromagnetic contours based on 0.5 mile spaced lines flown at 150 feet above ground; from U.S. Geological Survey open-file report.
6. Total intensity aeromagnetic contours based on 1 to 5 mile spaced lines flown at 10,000 feet barometric elevation by the U.S. Geological Survey.
7. Total intensity aeromagnetic contours based on 1 mile spaced lines flown at 13,500 feet barometric elevation by the U.S. Geological Survey.
8. Total intensity aeromagnetic contours based on one mile spaced lines flown at 8000 feet barometric elevation by the U.S. Geological Survey.
9. Total intensity aeromagnetic contours based on one mile spaced lines flown at 2500 feet barometric elevation by the U.S. Geological Survey.
10. Total intensity aeromagnetic contours based on one mile spaced lines flown at 500 feet above ground; from U.S. Geological Survey Map GP-229.
11. Total intensity aeromagnetic contours based on one mile spaced lines flown at 500 feet above ground by the U.S. Geological Survey.
12. Total intensity aeromagnetic contours based on 4 mile spaced lines flown at 6500 feet barometric elevation by the U.S. Geological Survey.
13. Total intensity aeromagnetic contours based on 0.5 mile spaced lines flown at 1000 feet above ground; from U.S. Geological Survey Map GP-561.
14. Total intensity aeromagnetic contours based on one mile spaced lines flown at 500 feet above ground by the U.S. Geological Survey. The eastern portion of this area is published as U.S. Geological Survey Map GP-574.
15. Total intensity aeromagnetic contours based on 5 mile spaced lines flown at 10,000 feet barometric elevation by the U.S. Geological Survey.
16. Generalized total intensity contours based on 5 mile spaced lines flown by the U.S. Naval Oceanographic Office at 6500 feet barometric elevation.

TRANSCONTINENTAL GEOPHYSICAL SURVEY (35°-39° N)

MAGNETIC MAP FROM 112° W LONGITUDE TO THE COAST OF CALIFORNIA

By

Isidore Zietz and John R. Kirby

A CONTRIBUTION TO THE UPPER MANTLE PROJECT

SCALE 1:1 000 000

25 0 25 50 75 100 MILES

25 0 25 50 75 100 KILOMETERS

1968

U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C.—1968—GS676

For sale by the U.S. Geological Survey, price 50 cents