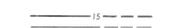


INDEX MAP SHOWING AREA COVERED BY THE TRANSCONTINENTAL GEOPHYSICAL SURVEY AREA OF THIS MAP SHADED

**EXPLANATION**



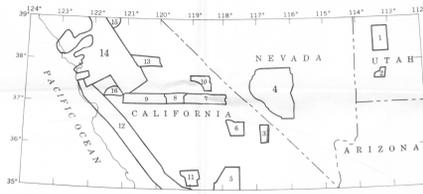
**Magnetic contours**  
 In hundreds of gamma. Dashed where incomplete; contour interval 100 gamma; data arbitrary. Main magnetic field of the earth, supplied by the U.S. Coast and Geodetic Survey and based on Epoch 1955, has been removed from all aeromagnetic data



**Magnetic contours showing area of lower magnetic intensity**

**Flight path**  
 Showing location of individual flight lines and exception 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



INDEX MAP SHOWING SOURCES OF DATA

**SOURCES OF DATA**

All contours not identified by area on the accompanying 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-395.
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 8000 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 750 feet above ground; from U.S. Geological Survey open-file report.
6. Total intensity aeromagnetic contours based on 1 to 1.5 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-239.
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



1968