



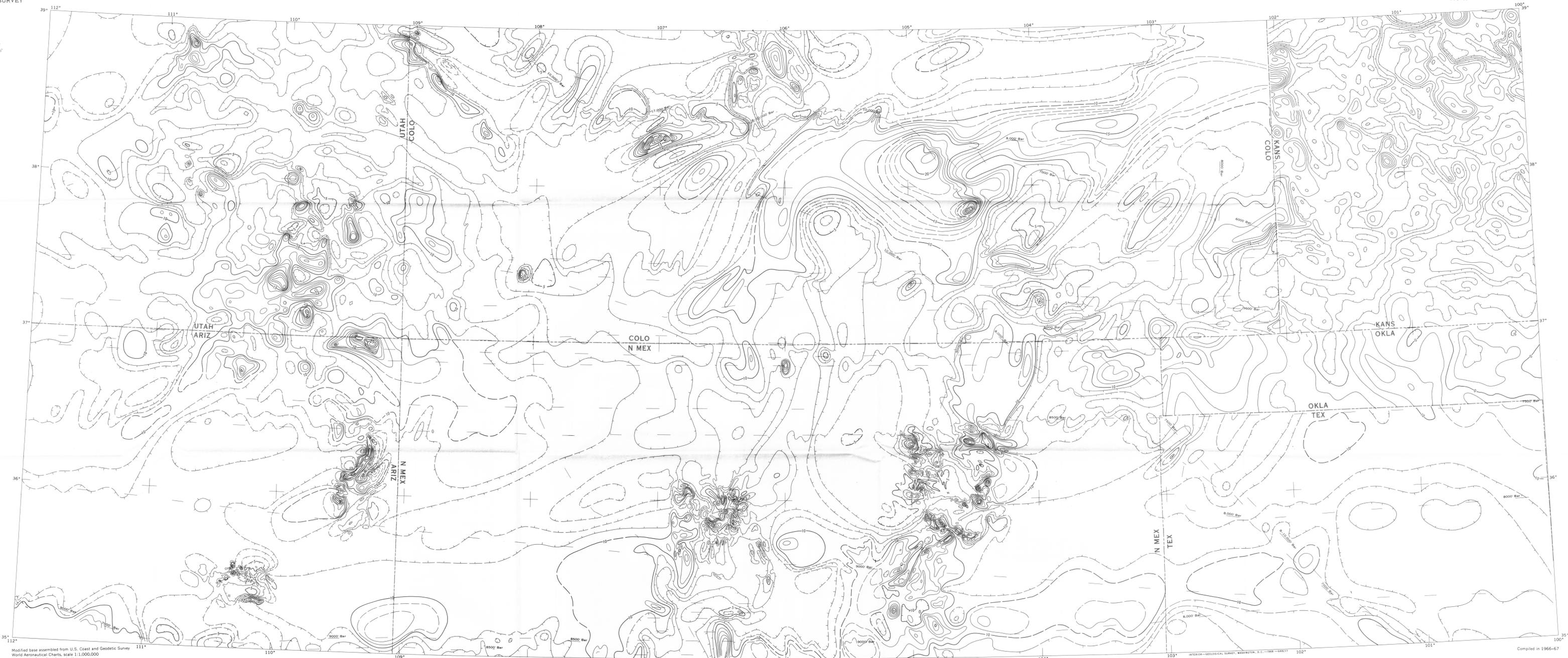
INDEX MAP SHOWING AREA COVERED BY THE TRANSCONTINENTAL GEOPHYSICAL SURVEY. AREA OF THIS MAP SHADED.

EXPLANATION

Magnetic contours
In hundreds of gammas. Dashed where incomplete, contour interval 100 gammas; datum arbitrary. Most 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.

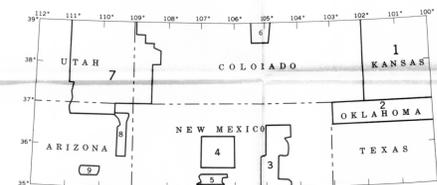
Magnetic contours showing area of lower magnetic intensity

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 Anomalous Charts, scale 1:1,000,000 Lambert conformal conic projection

Compiled in 1966-67



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 5,000 and 8,000 feet above sea level by the U.S. Naval Oceanographic Office and the U.S. Geological Survey.
1. Vertical intensity contours supplied by Humble Oil and Refining Company based on 2 mile spaced ground observations.
 2. Vertical intensity contours from Vertical-intensity magnetic map of Oklahoma, by W. L. Jones and Paul L. Lyons, Geophysical Society of Tulsa, 1964. See map I-534-A for kind and quality of magnetic control. Arbitrary datum for contour values; corrected for normal variation.
 3. Total intensity aeromagnetic contours based on 1 mile spaced lines flown at 1000 feet above ground from U.S. Geological Survey GP maps 15-18 and 355-357.

4. Total intensity aeromagnetic contours based on 2 mile spaced lines flown between 9,000 feet and 11,000 feet barometric elevation by the U.S. Geological Survey.
5. Total intensity aeromagnetic contours based on 2 mile spaced lines flown between 9,000 feet and 11,000 feet barometric elevation by the U.S. Geological Survey.
6. Total intensity aeromagnetic contours based on 2 mile spaced lines flown at 15,000 feet barometric elevation by the U.S. Geological Survey.
7. Total intensity aeromagnetic contours based on 1 mile spaced lines flown between 8,000 feet and 12,500 feet barometric elevation by the U.S. Geological Survey.
8. Total intensity aeromagnetic contours based on one mile spaced lines flown at 500 feet above ground from U.S. Geological Survey GP maps 403-407.
9. Total intensity aeromagnetic contours based on 0.5 mile spaced lines flown at 7,200 feet barometric elevation from U.S. Geological Survey map GP-575.

**TRANSCONTINENTAL GEOPHYSICAL SURVEY (35°-39° N)
MAGNETIC MAP FROM 100° TO 112° W LONGITUDE**

By
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A CONTRIBUTION TO THE UPPER MANTLE PROJECT

