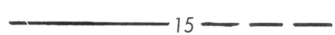




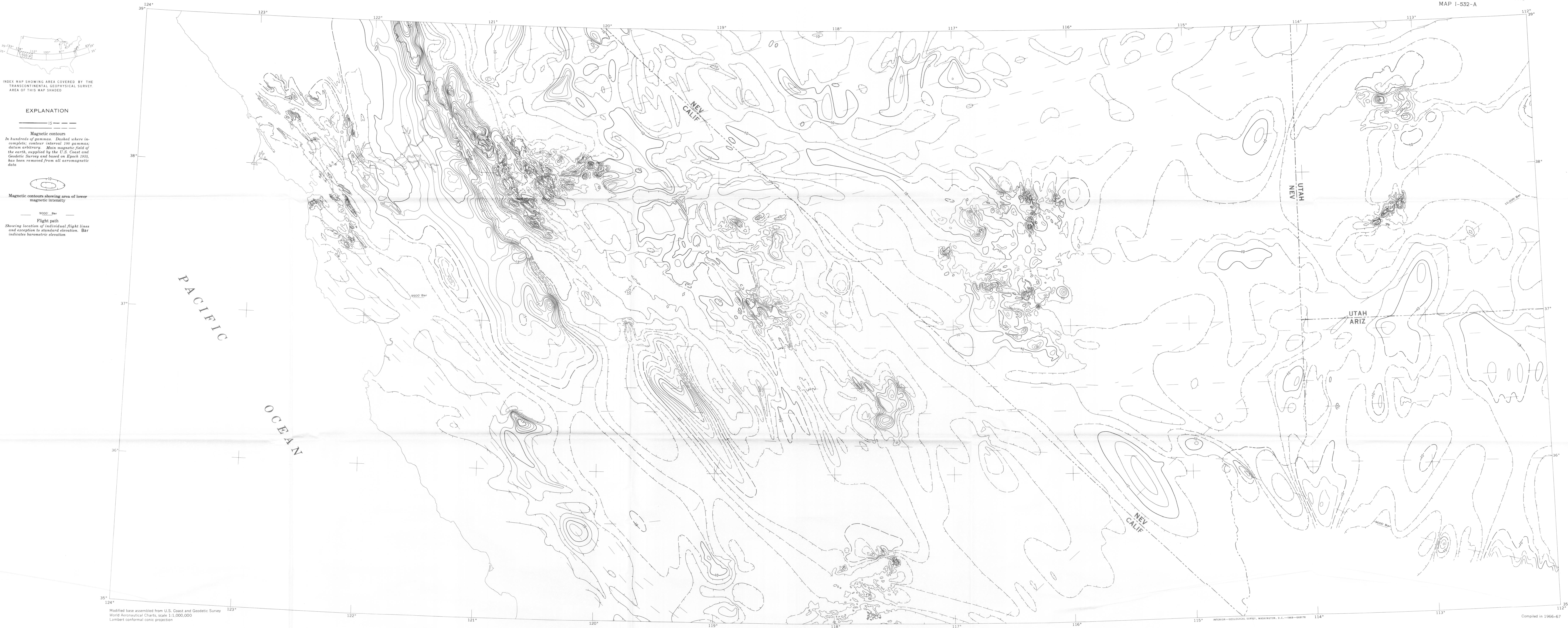
INDEX MAP SHOWING AREA COVERED BY THE
TRANSCONTINENTAL GEOPHYSICAL SURVEY
AREA OF THIS MAP SHADED

EXPLANATION

 15
Magnetic contours
*In hundreds of gamma. Dashed where in-
complete; contour interval 100 gamma;
datum 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*

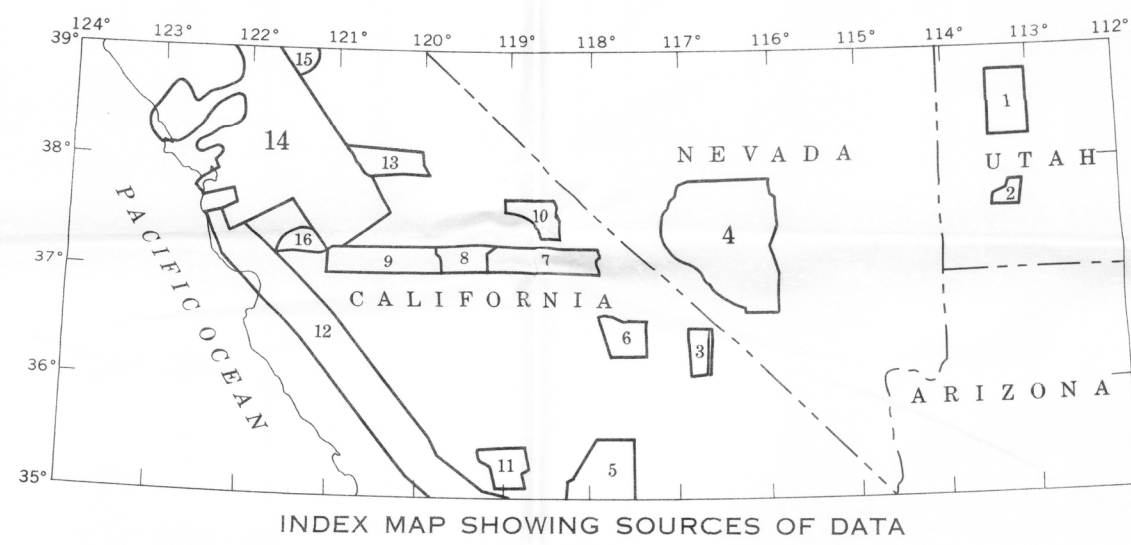
 710
Magnetic contours showing area of lower
magnetic intensity

 9000' Bar
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

Compiled in 1966-67



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-506.
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 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-289.
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. Generalised 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

