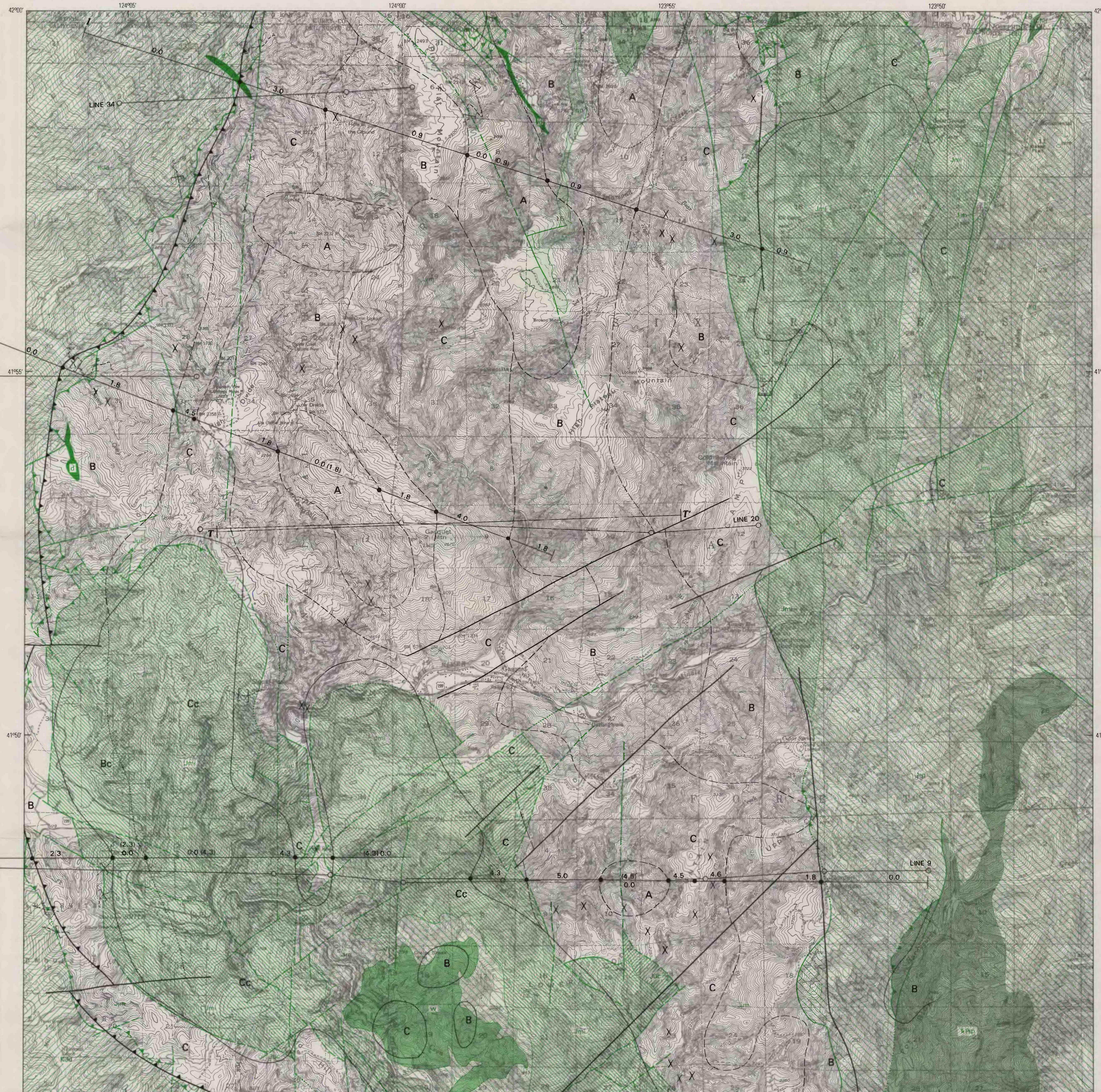
DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

BULLETIN 1546
PLATE 5



EXPLANATION

O–O LINE 20 Aeromagnetic flight line and number. Small circles represent points of known location

I 3.0 Magnetic profile line—Numbers are magnetization x 10^{-3} emu/cm^3. Numbers in parentheses represent magnetization of material at depth below non-magnetic material at the surface. Dots indicate location on model of calculated boundary between units of differing magnetizations

A Weakly magnetic rocks

B,Bc Moderately magnetic rocks. Subscript "c" means concealed magnetic rocks

C,Cc Strongly magnetic rocks. Subscript "c" means concealed magnetic rocks

Normal fault—Interpreted from aeromagnetic data

Thrust fault—Sawteeth on upper plate. Interpreted from aeromagnetic data

Boundary of magnetic rock unit. Dashed where within the area of magnetic rocks

Concealed magnetic boundary between magnetic rock units

Location of truck-mounted magnetometer profile. Dashed line shows road; transverse symbol is magnetic boundary, teeth point toward magnetic rocks

X Chromite mine or prospect

TERTIARY OR CRETACEOUS

- d — Dike
- qp — Quartz porphyry
- w — Wehrlite
- hd — Hornblende diorite

CRETACEOUS AND JURASSIC

- KJd — Dothan Formation

JURASSIC — Upper Jurassic

- Jrg — Rogue and Galice Formations
- Jmi — Mafic igneous rocks. Pillowed basalt, dike complex, and gabbro (Josephine ophiolite of Harper (1980))
- Juc — Ultramafic cumulates (Josephine ophiolite of Harper (1980))

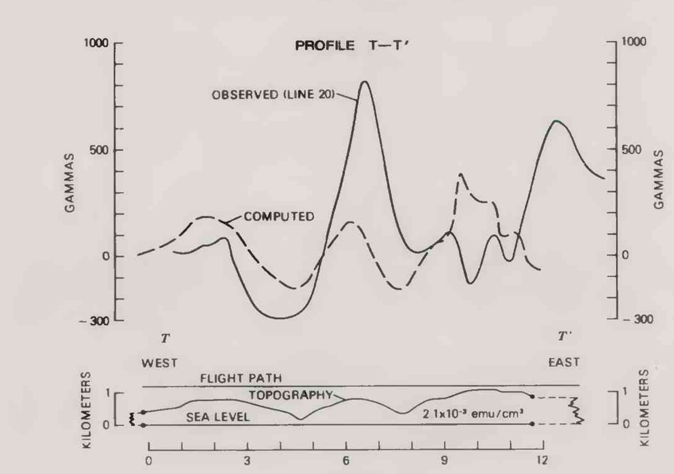
JURASSIC OR OLDER

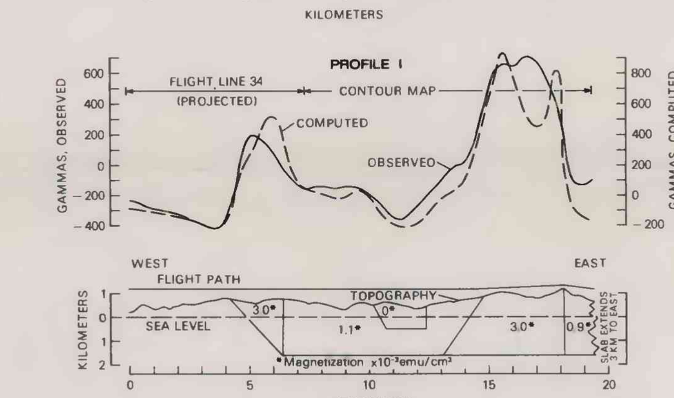
- Jjm — Josephine Peridotite
- Jh — Hornblendite
- ŦR̶Pzp — Preston Peak ophiolite (Triassic(?) and Paleozoic)

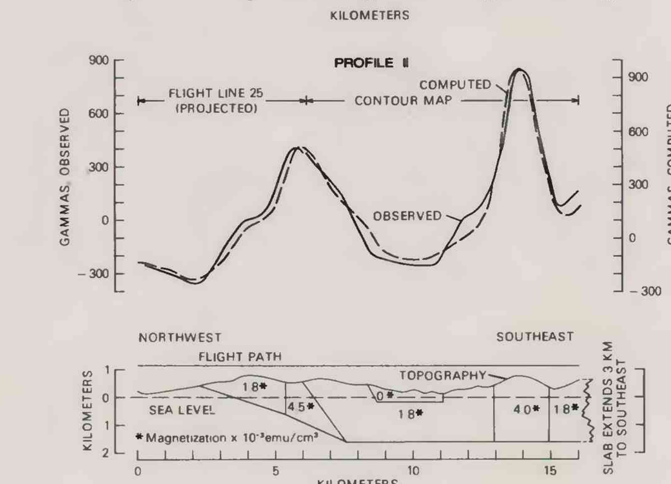
Contact—Approximately located

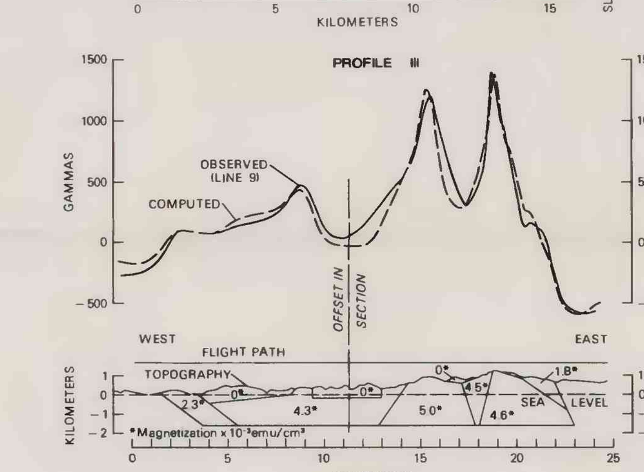
Fault—Dashed where approximately located; dotted where concealed

Thrust fault—Dashed where approximately located; dotted where concealed. Sawteeth on upper plate

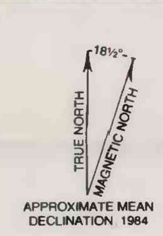








Base from U.S. Geological Survey Crescent City, 1951, Gasquet, 1952



SCALE 1:62 500

1 ½ 0 1 2 3 4 5 MILES

1 .5 0 1 2 3 4 5 6 7 KILOMETERS

CONTOUR INTERVAL 50 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

INTERIOR—GEOLOGICAL SURVEY, RESTON, VA—1984—G82792

Geology generalized from Harper, 1980, and Evans (this volume)

MAGNETIC INTERPRETATION AND GENERALIZED GEOLOGIC MAP OF THE JOSEPHINE PERIDOTITE, DEL NORTE COUNTY, CALIFORNIA