

FOUR PRELIMINARY GRAVITY MAPS OF
PARTS OF ALASKA

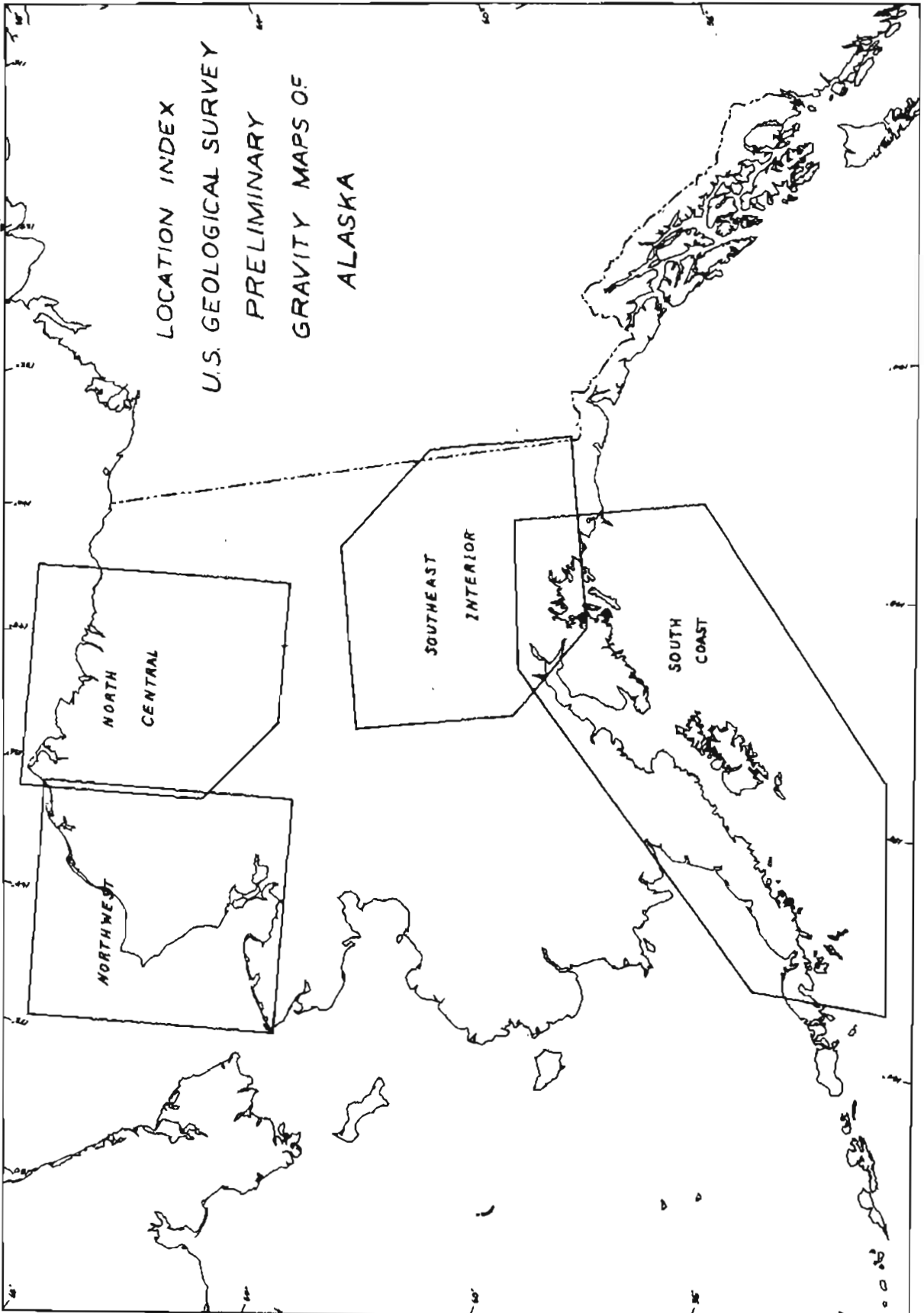
by

DAVID F. BARNES

UNITED STATES GEOLOGICAL SURVEY
OPEN FILE REPORT

This report is preliminary and has
not been edited or reviewed for
conformity with Geological Survey
standards

LOCATION INDEX
U.S. GEOLOGICAL SURVEY
PRELIMINARY
GRAVITY MAPS OF
ALASKA

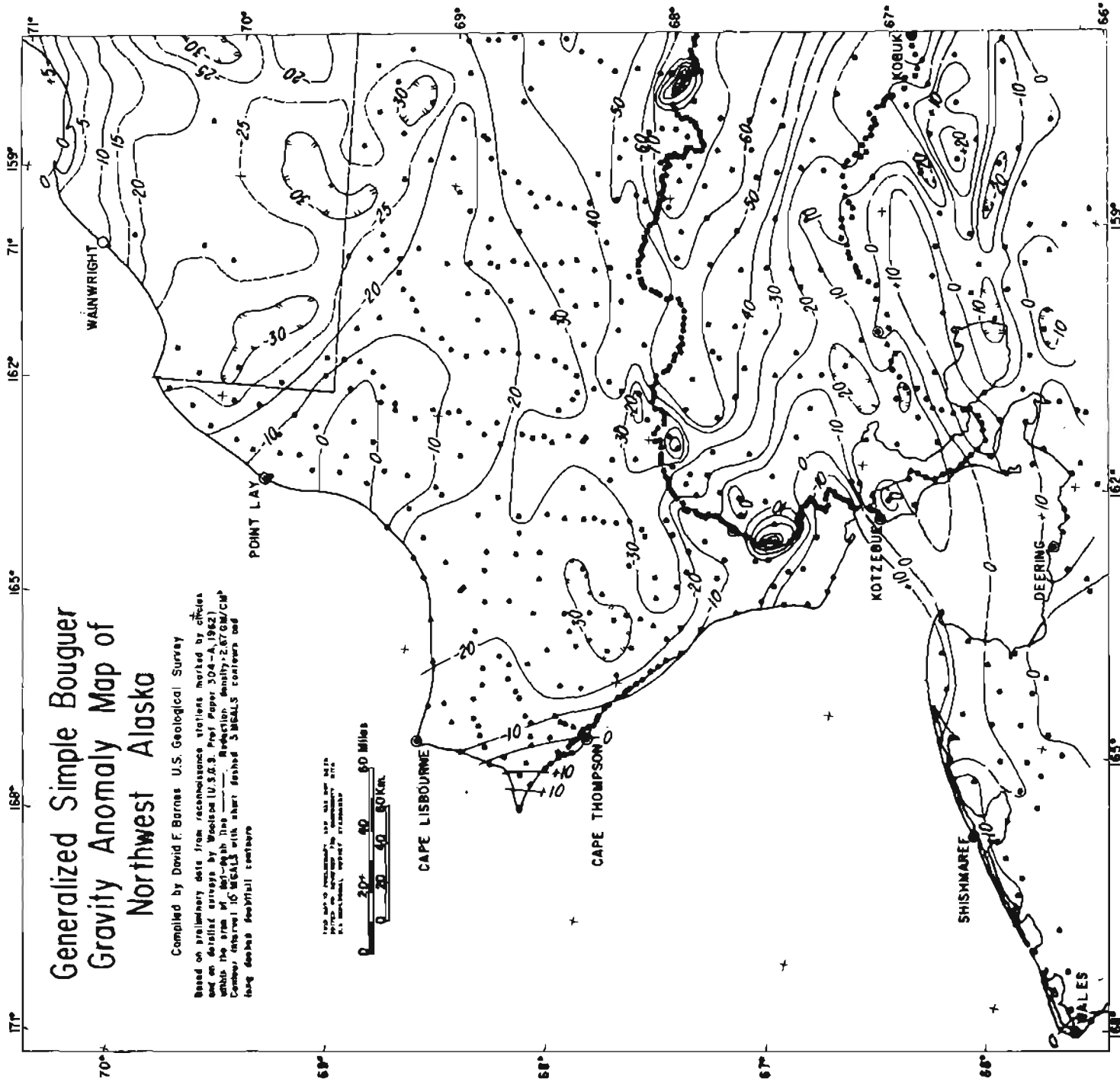


Generalized Simple Bouguer Gravity Anomaly Map of Northwest Alaska

Compiled by David F. Barnes U.S. Geological Survey

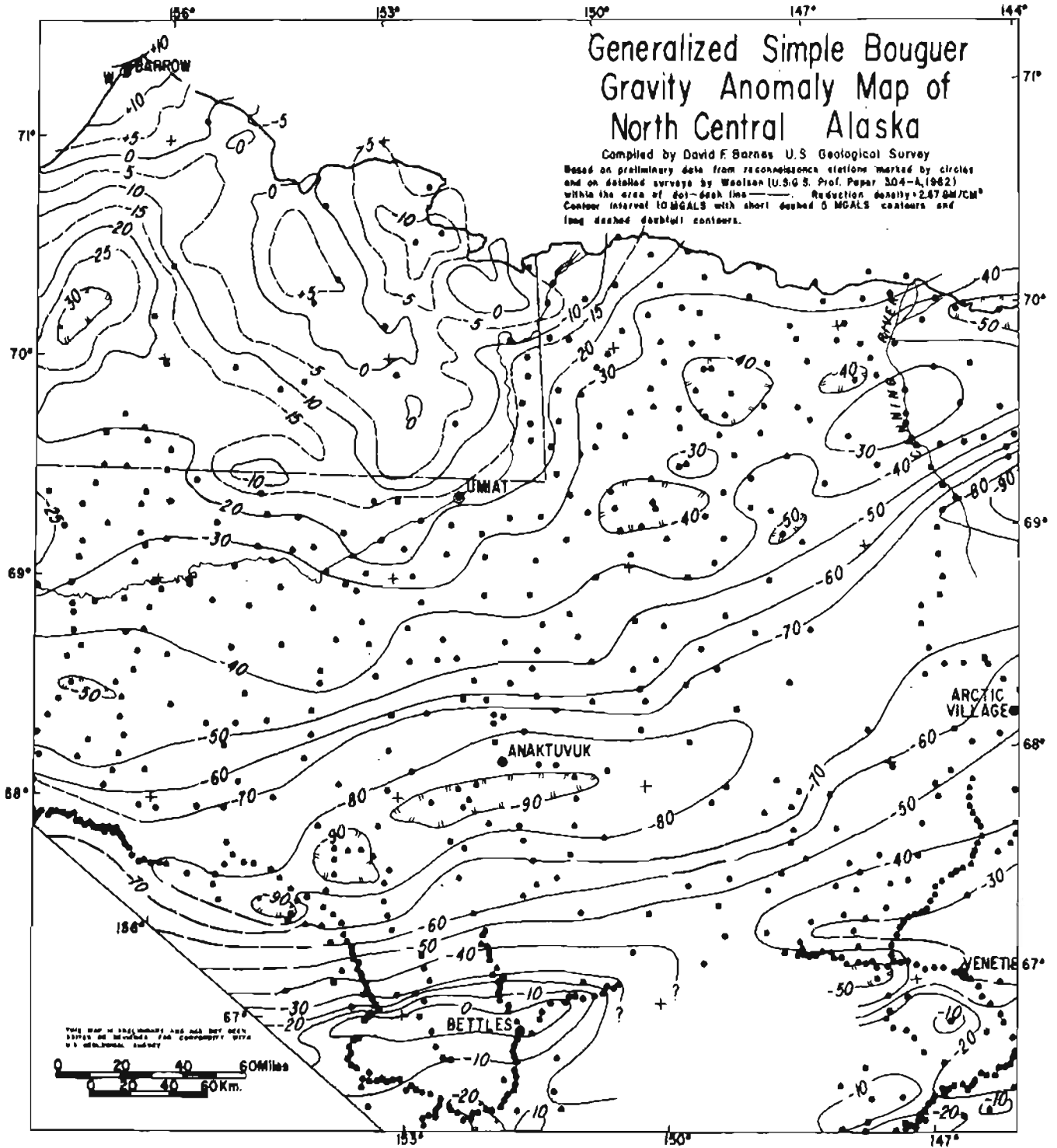
Based on preliminary data from reconnaissance stations marked by circles and on detailed surveys by Wiggins (U.S.G.S. Prof. Paper 304-A, 1962) within the area of 64°-69°N. Reduction density: 2.67 gm/cm³. Contour interval: 10 MGALS with short dashed 5 MGALS contours and long dashes for 10 MGALS contours.

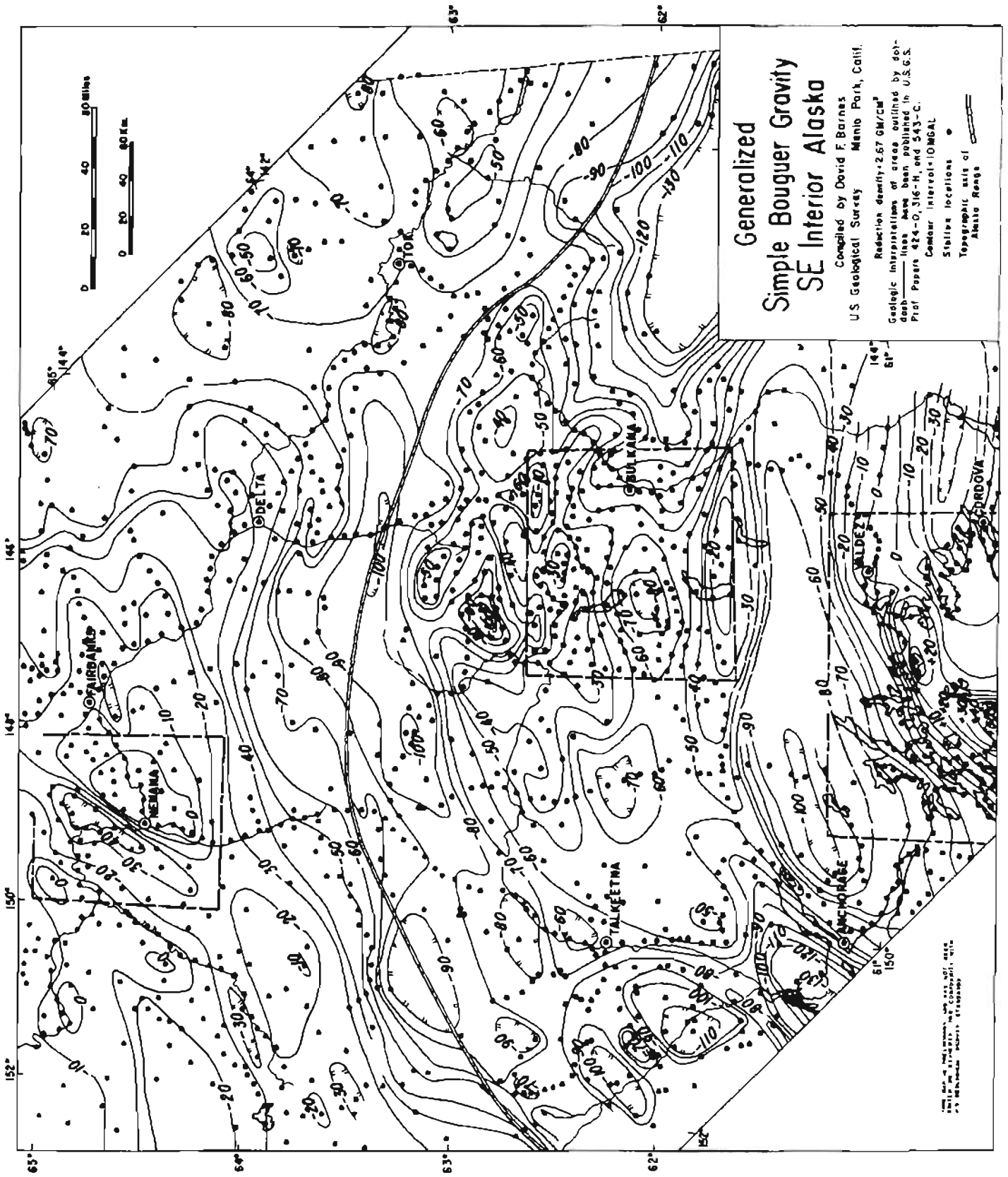
1 MGAL = 10⁻⁶ GAL
1 GAL = 10⁻⁸ GAL
1 GAL = 10⁻¹⁰ GAL



Generalized Simple Bouguer Gravity Anomaly Map of North Central Alaska

Compiled by David F. Barnes U.S. Geological Survey
 Based on preliminary data from reconnaissance stations marked by circles and on detailed surveys by Woolson (U.S.G.S. Prof. Paper 304-A, 1962) within the area of 66°-68°N. Reduction density: 2.67 gm/cm³. Contour interval 10 MGALS with short dashed 5 MGALS contours and long dashed doubtful contours.





Generalized Simple Bouguer Gravity SE Interior Alaska

Compiled by David F. Barnes
U.S. Geological Survey Menlo Park, Calif.

Reduction density: 2.67 GM/CM³
Geologic interpretations of areas outlined by dot-dash lines have been published in U.S.G.S. Prof. Papers 424-O, 316-H, and 543-C.
Contour interval: 10 MGAL

Station locations ●
Topographic axis of Alaska Range

U.S. GEOLOGICAL SURVEY
RESTON, VIRGINIA 20192

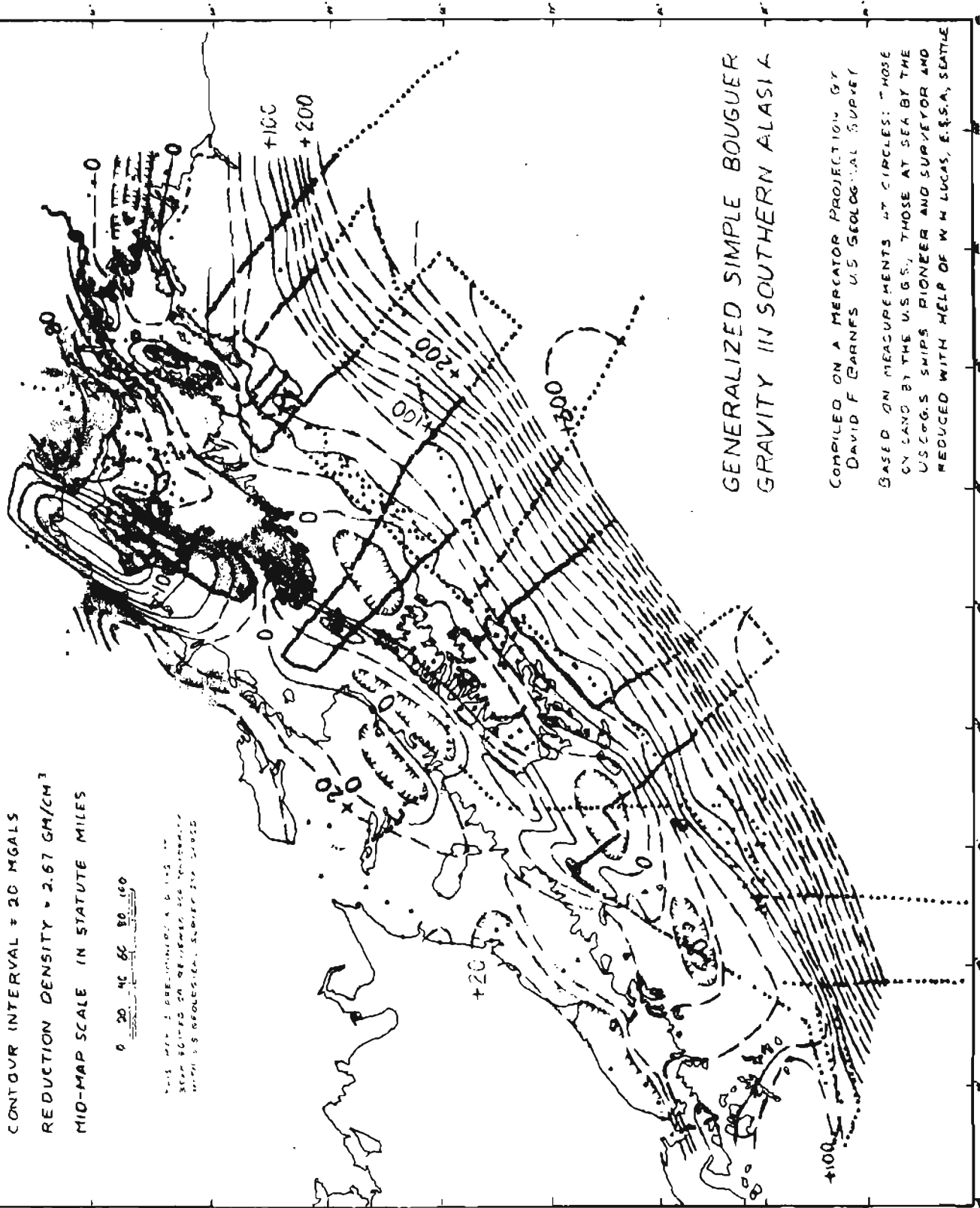
CONTOUR INTERVAL = 20 MGALS

REDUCTION DENSITY = 2.67 GM/CM³

MID-MAP SCALE IN STATUTE MILES

0 20 40 60 80 100

THIS MAP IS PRESENTED AS A SERVICE TO THE PUBLIC AND IS NOT TO BE USED FOR ANY PURPOSES OTHER THAN THAT FOR WHICH IT WAS DESIGNED.



GENERALIZED SIMPLE BOUGUER GRAVITY IN SOUTHERN ALASKA

COMPILED ON A MERCATOR PROJECTION BY
DAVID F. BARNES, U.S. GEOLOGICAL SURVEY

BASED ON MEASUREMENTS BY CIRCLES: THOSE
ON LAND BY THE U.S.G.S., THOSE AT SEA BY THE
U.S.G.S. SHIPS PIONEER AND SURVEYOR AND
REDUCED WITH HELP OF W. LUCAS, E.S.A., SEATTLE