

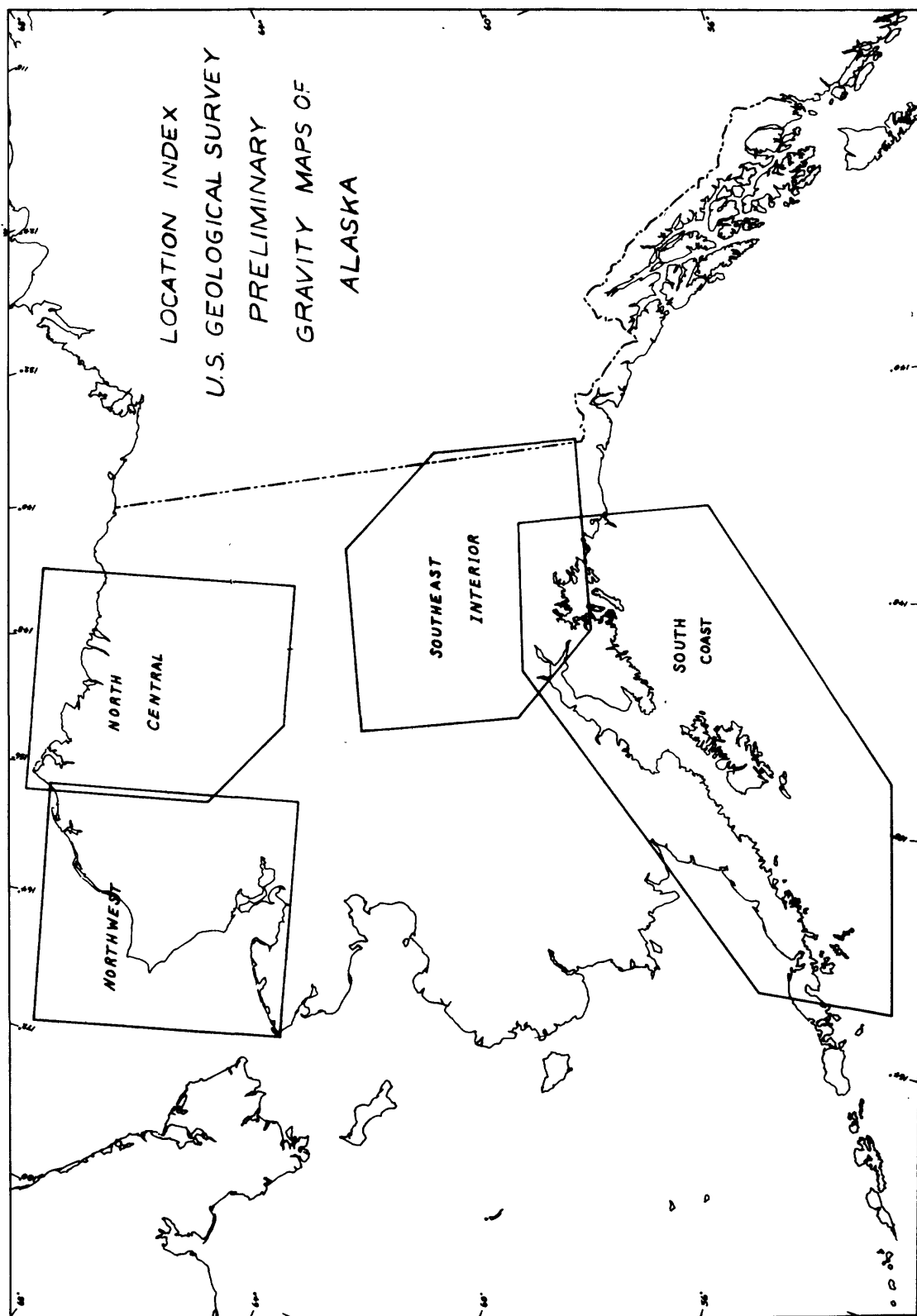
FOUR PRELIMINARY GRAVITY MAPS OF  
PARTS OF ALASKA

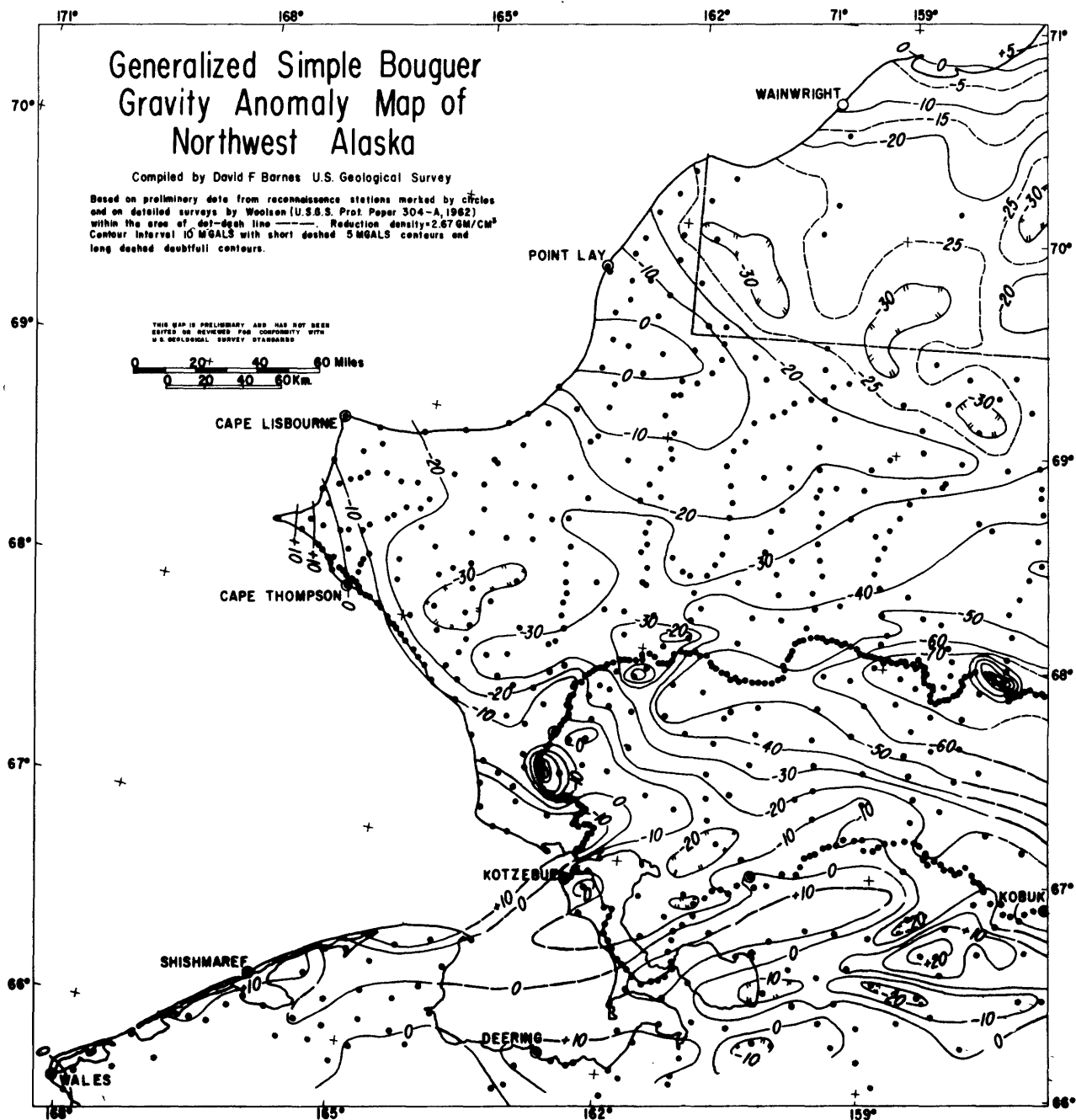
by

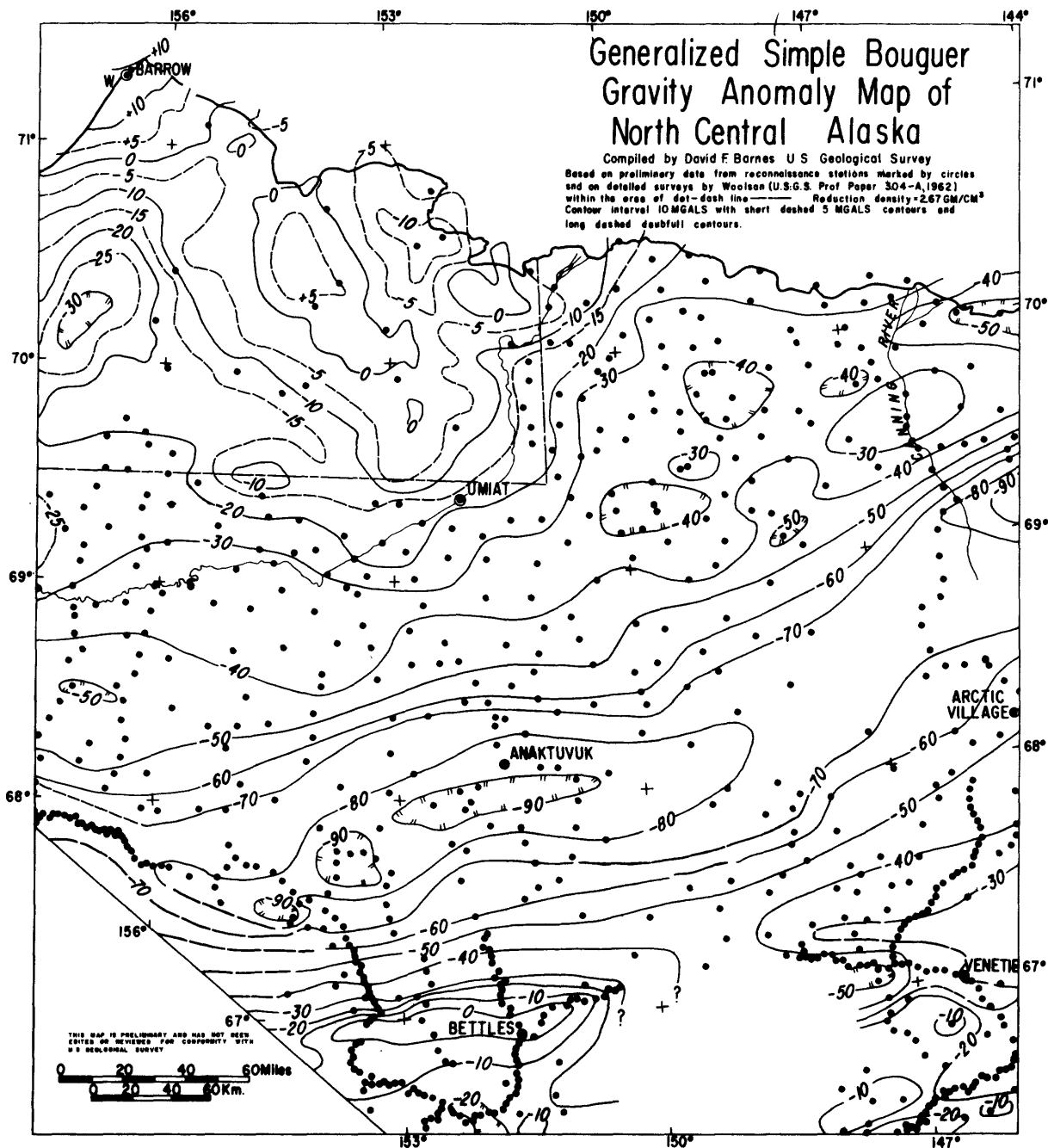
DAVID F. BARNES

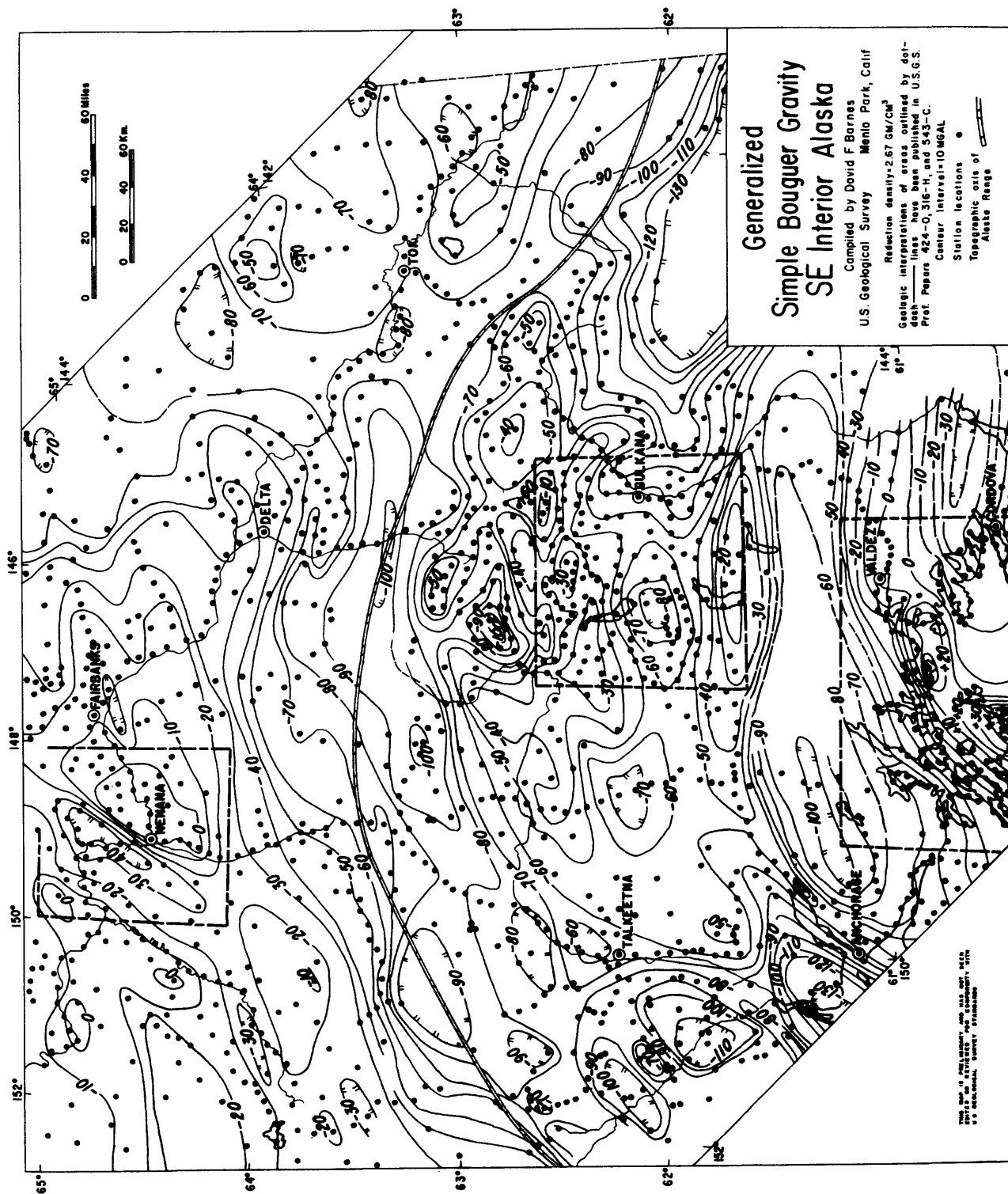
UNITED STATES GEOLOGICAL SURVEY  
OPEN FILE REPORT 67-10

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





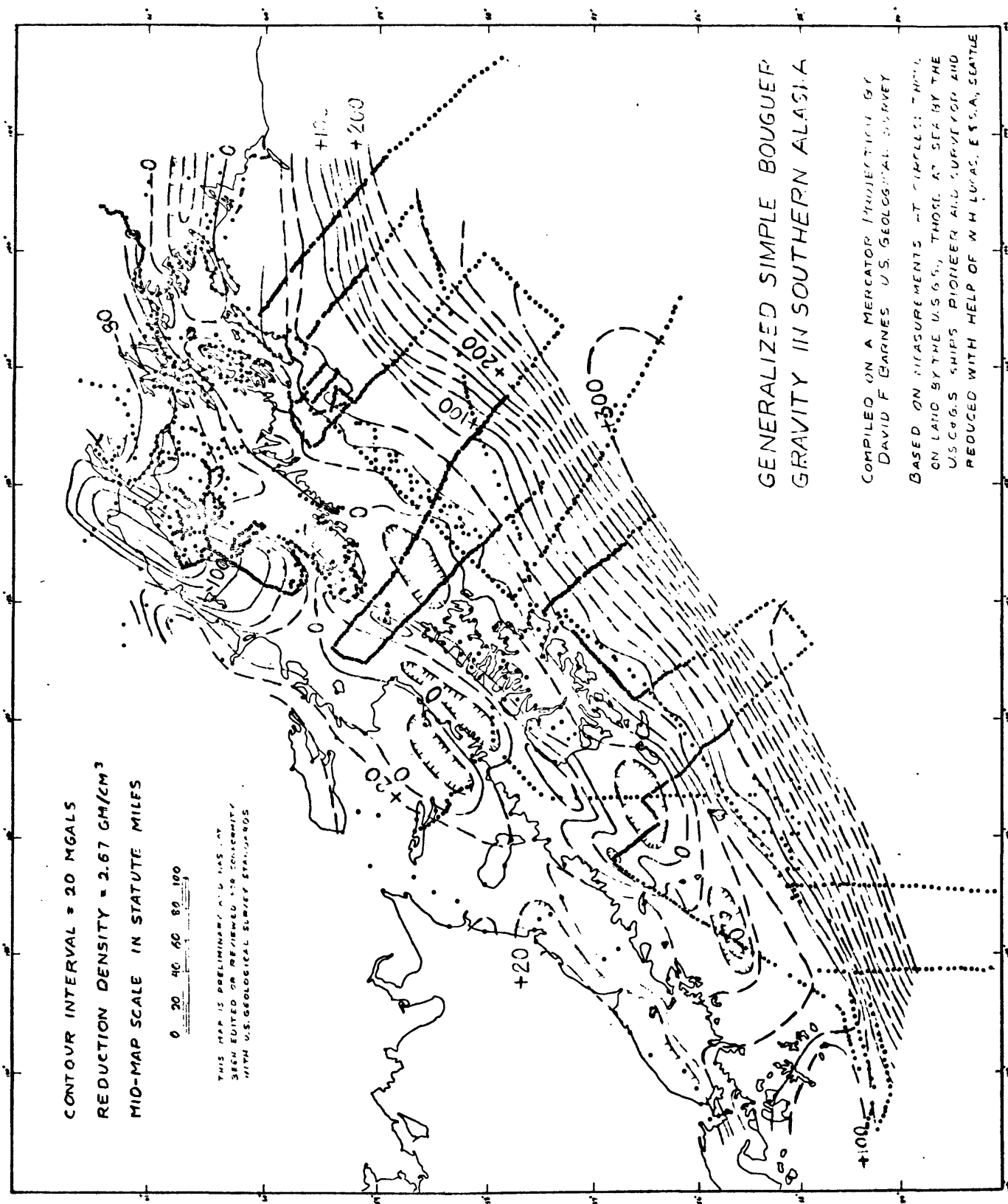




CONTOUR INTERVAL = 20 MGALS  
 REDUCTION DENSITY = 2.67 GM/CM<sup>3</sup>  
 MID-MAP SCALE IN STATUTE MILES

0 20 40 60 80 100

THIS MAP IS PRELIMINARY AND HAS NOT  
 BEEN EDITED OR REVIEWED FOR CONFORMITY  
 WITH U.S. GEOLOGICAL SURVEY STANDARDS



# GENERALIZED SIMPLE BOUGUER GRAVITY IN SOUTHERN ALASKA

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

BASED ON MEASUREMENTS AT SIMPSON, THOMPSON,  
 ON LAND BY THE U.S.G.S., THOSE AT SEA BY THE  
 U.S.G.S. SHIP'S PIONEER AND SURVEYOR AND  
 REDUCED WITH HELP OF W.H. LUDAS, E.S.S.A., SEATTLE