GEOPHYSICAL INVESTIGATIONS DEPARTMENT OF THE INTERIOR MAP GP-346 UNITED STATES GEOLOGICAL SURVEY 74°43′40″ 41°00' EXPLANATION BM S46F R E DO N Magnetic contours showing total intensity magnetic field of the earth in gammas relative to arbitrary datum Hachured to indicate closed areas of lower magnetic intensity; dashed where data are incomplete Measured maximum or minimum intensity within closed high or closed low Flight path Showing location and spacing of data NOTE Aeromagnetic data are obtained and compiled along a continuous line, whereas ground magnetic surveys are made at separate points. Errors within the normal limits of any magnetic measurement may cause slight discrepancies between flight lines in an aeromagnetic map, which would be more obvious than similar discrepancies between points in a ground magnetic map. For this reason as much care should be exercised in evaluating magnetic features that appear as elongations along a single aeromagnetic traverse as in interpreting an anomaly indicated by a single ground station NEW YORK PENNSYLVANIA NEW JERSEY 10 0 10 20 30 40 MILES INDEX MAP SHOWING LOCATION OF AEROMAGNETIC MAPS PUBLISHED BY THE U.S. GEOLOGICAL SURVEY IN THE NEW YORK-NEW JERSEY HIGHLANDS AREA Note: GP's 346, 348, and 350 are retied to GP's 165, 169, and 173 respectively in the overlap zone shown above. Aeromagnetic survey flown at 500 feet above ground, 1950 and 1955 Base map from U.S. Geological Survey, 1954 AEROMAGNETIC MAP OF PARTS OF THE TRANQUILITY AND STANHOPE QUADRANGLES WARREN, SUSSEX AND MORRIS COUNTIES, NEW JERSEY Gordon E. Andreasen, John R. Henderson, Evelyn J. Chandler, and others CONTOUR INTERVALS 50 AND 250 GAMMAS For sale by U.S. Geological Survey, price 50 cents GEOPHYSICAL INVESTIGATIONS 1963 MAP GP-346