

II. EXTENDED RANGE (XR) SHORAN (continued)

Reports from field operations tend to bear out the results of the Gulf of Mexico tests; that is, ranges of 150 miles reasonably available, with 200 - 250 mile ranges obtainable under certain conditions. Tropical areas are more favorable for Shoran propagation and ranges in northern latitudes are limited to 100 - 150 miles.

III. RESULTS OF RANGE ACCURACY TESTS

During the month of April 1969, measurements were taken along the coast of the Gulf of Mexico to further define the accuracy with which extended ranges could be measured with the Shoran equipment. The results of those measurements are shown in Figure 4. Measurements were taken between a mobile station located at points along the Mississippi, Alabama, and Florida coasts and three base stations positions located on the coast of Louisiana and Mississippi. All points occupied were either geodetic positions or were tied by land survey to nearby geodetic positions.