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MAGSAT DATA INVESTIGATION M-004

An investigation of Magsat and complementary data emphasizing Precambrian shields and adjacent areas of West Africa and South America.

"Quarterly" report^{1/} covering activities of the investigation during the period April 1 through September 30, 1982.

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(E83-10085) AN INVESTIGATION OF MAGSAT AND
COMPLEMENTARY DATA EMPHASIZING PRECAMBRIAN
SHIELDS AND ADJACENT AREAS OF WEST AFRICA
AND SOUTH AMERICA Quarterly Report, 1 Apr.
- 30 Sep. 1982 (Technicolor Graphic

M83-14593

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^{1/}This report is in "letter format." It has not been formally edited for compliance with U.S. Geological Survey standards or nomenclature.

^{2/}This work has been performed under U.S. Geological Survey Contract No. 14-08-0001-20129.

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1. Introduction

This report on Magsat Data Investigation M-004 covers the period April 1 through September 30, 1982.

2. Problems

No new problems were encountered during the period.

3. Accomplishments

- (1) Preparation of a mineral deposits overlay to the van der Grinten projection geological world map produced at the EROS Data Center.
- (2) Proofreading the Mercator projection version and initiation of coloring the van der Grinten projection geological world maps.
- (3) Some preliminary modeling of Magsat anomalies for South America was undertaken.

4. Significant Results

No significant results were obtained during the period.

5. Publications

Preliminary correlations of Magsat anomalies with tectonic features of Africa. Geophysical Research Letters, Vol. 9, p. 303-306, 1982.

6. Recommendations

I have no new recommendations at this time.

7. Funds Expended

1 October 1981 - 30 September 1982.
(See Attached)

8. Data Utility

I have no new comments on this topic at this time.