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BUREAU OF MINERAL RESOURCES, GEOLOGY & GEOPHYSICS

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SKYLAB PROGRAM QUARTERLY PROGRESS REPORT

AUGUST-OCTOBER 1974

Title - A study of the usefulness of Skylab EREP data for earth resources studies in Australia.

NASA HQ Proposal identification : SR 557

The ability to distinguish neighbouring geological objects has been measured from high and low resolution Skylab imagery and compared with previous measurements made from aircraft and ERTS imagery. The objects are linear features of low contrast estimated to be in the range of 1.5 - 2:1.

For similar objects measured by similar methods and subjected to the same statistical treatment, the following comparative figures are obtained :

ERTS	76-150 metres
SKYLAB S190A	40- 70 metres
SKYLAB S190B	15 metres
HIGH ALTITUDE AIRCRAFT	7- 10 metres

The results show that Skylab imagery fills a significant gap in the range between ERTS and high altitude aircraft photography.

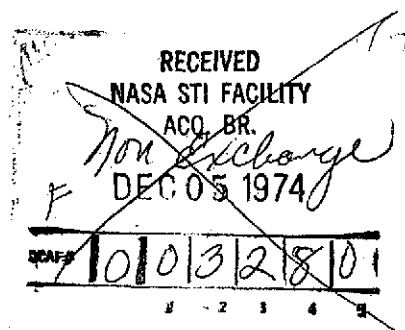
"Made available under NASA sponsorship in the interest of early and wide dissemination of Earth Resources Survey Program information and wide availability for any use made thereof."

Division of Mineral Physics _____ Co-investigators _____

CSIRO

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(E75-10047) A STUDY OF THE USEFULNESS OF SKYLAB EREP DATA FOR EARTH RESOURCES STUDIES IN AUSTRALIA Quarterly Progress Report, Aug. - Oct. (Bureau of Mineral Resources) 1 p HC \$3.25

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