

ANALYSIS OF
APOLLO 8
PHOTOGRAPHY AND VISUAL OBSERVATIONS

COMPILED BY
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Initial Photographic Analysis

AREAL COVERAGE

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The combined Apollo 8 photographic coverage of the lunar surface is summarized in figure 2-1. Much of this area was photographed by Luna III and Lunar Orbiters I to V. However, the Apollo 8 photography was taken with different lighting conditions and at different viewing angles. In addition, the resolution of Apollo 8 photography is in most cases significantly better.

Detailed index charts of the areal coverage of the different film magazine types can be found in

the pocket of the inside back cover. Coverage by the film magazines is indicated by different colors, and frame numbers are given within the footprints of the frames. Data pertaining to the 70-mm film are also tabulated in appendix A, together with reproductions of the recovered film.

COMPARISON WITH LUNA III PHOTOGRAPHS

E. A. WHITAKER

The Soviet spacecraft Luna III photographed the lunar eastern limb and adjacent far-side areas in October 1959, under essentially full-Moon

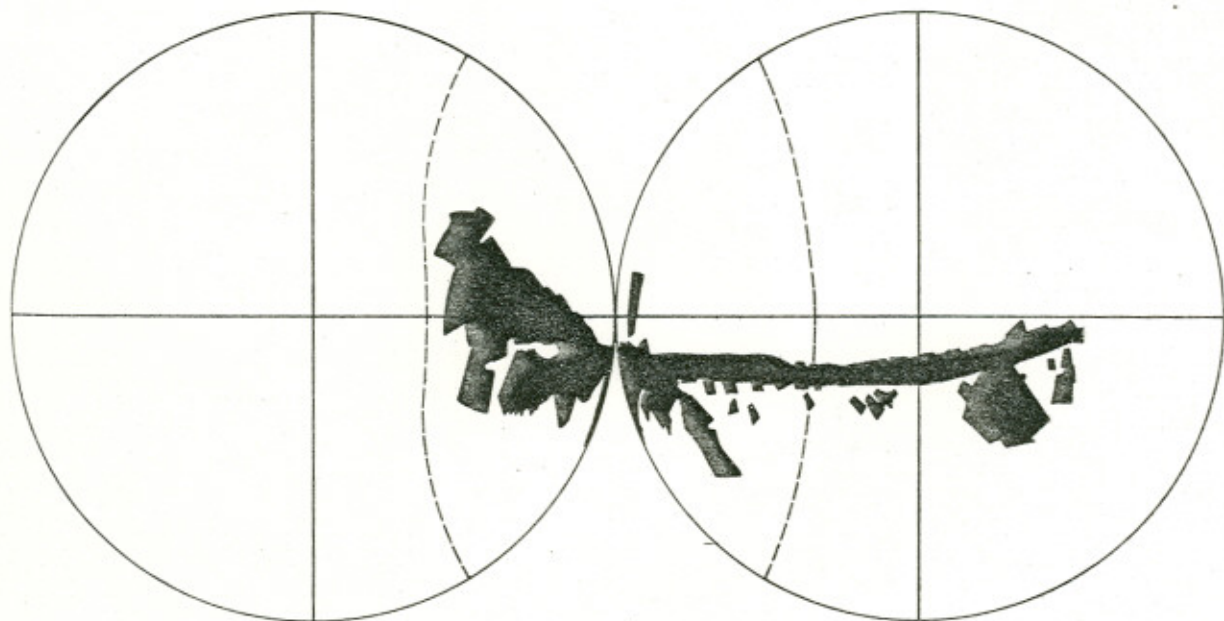


FIGURE 2-1.—Lunar-surface coverage of Apollo 8 photography.