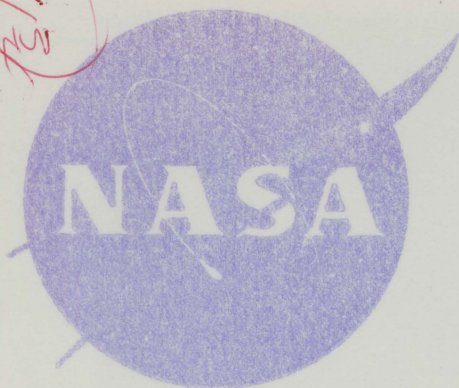


TOP

TOP

113



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

400 MARYLAND AVENUE, S. W. WASHINGTON, D. C. 20546

from BX. Planetary Explorations
by Carl Sagan Caden lectures

FOR RELEASE: November 20, 1966

PHOTO NO.: 66-H-758

This photograph is released for non-commercial, non-copyrightable public information use. Written permission must be received from NASA if this photograph is used in advertising, posters, books, etc., and layout must be submitted to NASA for approval prior to release.

HAMPTON, Va., -- November 22 -- Lunar surface with large protuberance in cratered upland basin approximately at 15° 20' E and 4° 30' N. The photograph is made by the telephoto lens of Lunar Orbiter II's camera system. The photograph is enlarged about 5 times from the original film on which Orbiter photography is recorded on Earth. The white crosses in the photograph are reference marks used by scientists in photographic measurements. The reference mark lines represent about 25 feet on the lunar surface. The area shown is about 750 by 550 feet. Since the photograph was taken shortly after local sunrise, the shadows point westward. The striking shadow casting protuberances shown are naturally occurring features on the lunar surface. The largest protuberance, located in the center of the photograph is about 50 feet wide at the base and about 40 to 75 feet high, based on the length of its shadow cast by the sun 11° above the horizon. Precise height measurements will be possible after ground slope measurements have been made. The photograph is a part of prime site 4 (II P-4) and was received November 21 by the Goldstone Tracking Station. Lunar Orbiter is managed for the National Aeronautics and Space Administration by the Langley Research Center, Hampton, Va. The Boeing Co., Seattle, Wash., is the prime contractor.

Handwritten notes on the right side of the page, including a large 'T' and '113'.

Handwritten notes on the right side of the page, including 'Fig. 20' and 'Pg 42'.