

APOLLO SITE 2

APOLLO 11 LANDING SITE

TRANQUILLITY BASE

APOLLO SITE 2

This site is located entirely within relatively old (Imbrian) mare material. There are many large subdued craters 200-600 m in diameter; the number of intermediate size craters 50-200 m in diameter is fewer than on younger mare material in other sites. This crater distribution is common on many apparently old surfaces including the Imbrian blanket (Fra Mauro Formation). It may reflect a thicker layer of surficial debris in these areas of relatively old terrain so that intermediate size craters have an initially soft appearance and are rapidly destroyed. An alternative explanation is that a mantle of pyroclastics is present; some craters near the site may be volcanic and could be the source of the pyroclastics. Determination of the age and nature of mare material (Imbrian) is the prime object of a landing in this site; determination of whether or not pyroclastics are present will have application to many other areas with similar crater populations.

TERRAIN FEATURES:

Rough

Central peaks of large impact crater

SCIENTIFIC INTEREST:

Process indicators

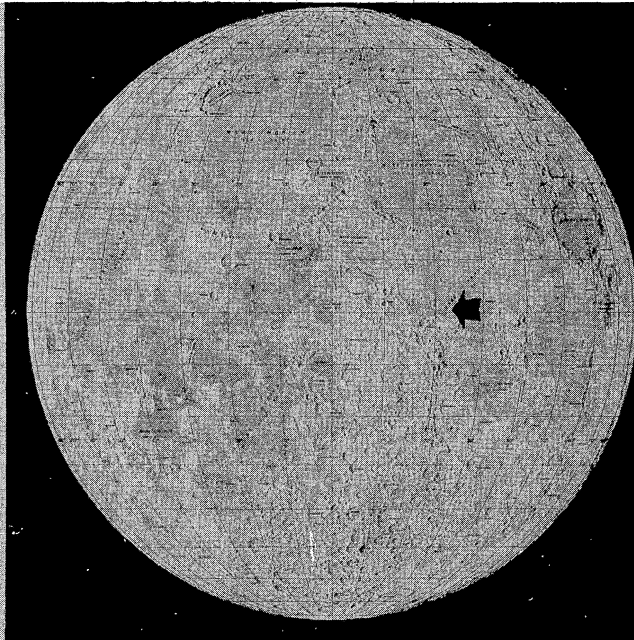
Cratering-impact, volcanism

Volcanic domes and flows

Age dating

NASA-S-69-4344-X

LOCATION
OF
APOLLO
SITE 2



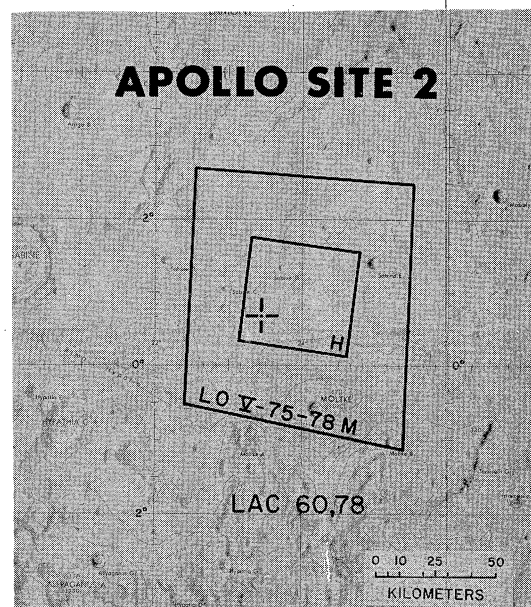
COORDINATES: 23° 28' E 00° 20' N

LAC SHEETS: 68 & 78

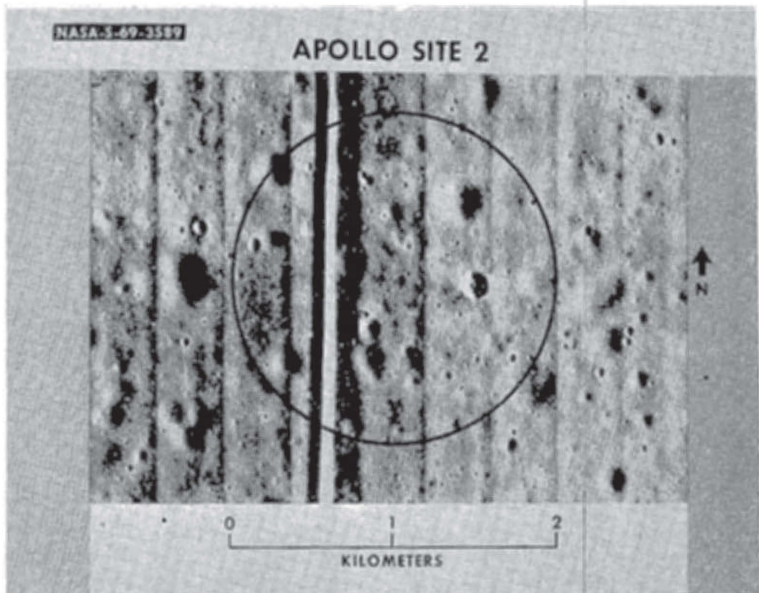
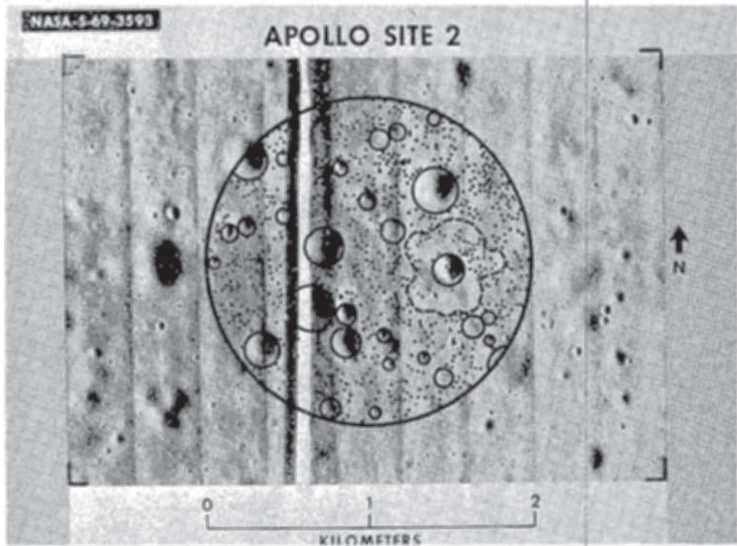
L.O. COVERAGE: V 75-78M

APOLLO COVERAGE: AS10-4848, 4849, 4941, 4942

AS11-5447, 6092, 6115, 6116



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16mm LM DESCENT PHOTO PLOTS TO TOUCHDOWN

APPROX. FRAME NO.
 1611 - Landing site "Beet Hill"
 1612 - The Phoenix crater, 100m diameter
 1613 - Landing site "Sagittarius 810" and starting hole site
 in landing site
 1614 - Ridge running northeast to "Beet Ridge"
 1615 - Crater on ridge, 100m diameter
 1616 - Western part of landing site with "Three Crater Row"
 in foreground
 1617 - "Beet Hill" crater on foreground and "Three Crater Row"
 in background
 1618 - Close landing site view of western part of
 landing site
 1619 - "Three Crater Row" in upper left corner
 1620 - Crater on ridge with large blocks in the center
 of the ridge is about 80 feet in diameter and has
 about 200 feet of the rim of "Beet Crater"
 1621 - Crater on ridge, angle to about 90 feet in diameter
 1622 - Landing site view about 200 feet from ridge center
 in upper left corner is about 100 feet in
 diameter
 1623 - Close ridge view
 1624 - Ridge view from about 100 feet in upper right
 1625 - Ridge view

Prepared by
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 WASHINGTON D.C. 20340
 JULY 21, 1969

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TRANQUILITY BASE

SURFACE & EXPERIMENT LOCATION MAP

Map showing the approximate distribution of the Tranquility Base area on the surface of the Moon. The map includes the locations of the Apollo 11 and Apollo 12 landing sites, the Surveyor 3 and Surveyor 7 landing sites, and the Apollo 16 and Apollo 17 landing sites. The map also shows the locations of the Apollo 11 and Apollo 12 lunar modules, the Surveyor 3 and Surveyor 7 landers, and the Apollo 16 and Apollo 17 lunar modules. The map includes a scale bar and a north arrow.

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Other NASA Graphics available:



NASA-S-69-44466 Apollo 11 Lunar Surface
44465 Panorama taken from the LM
44464
44463

