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

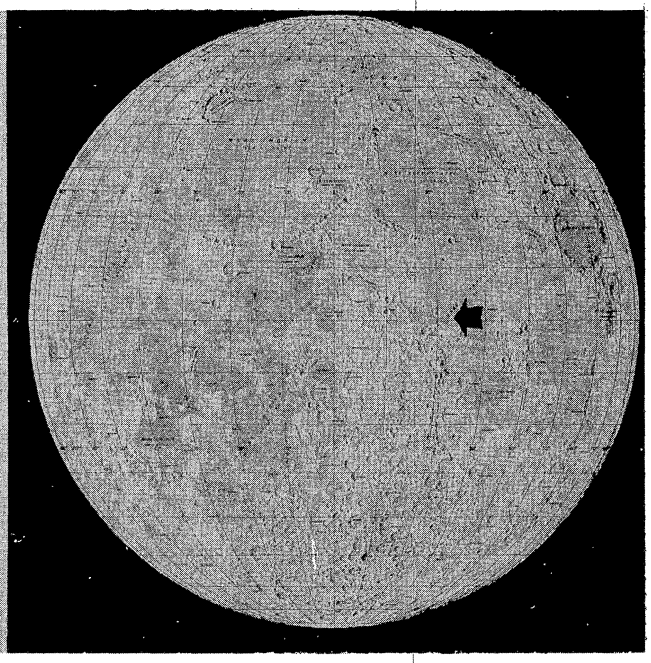
Cratering-impact, volcanism

Volcanic domes and flows

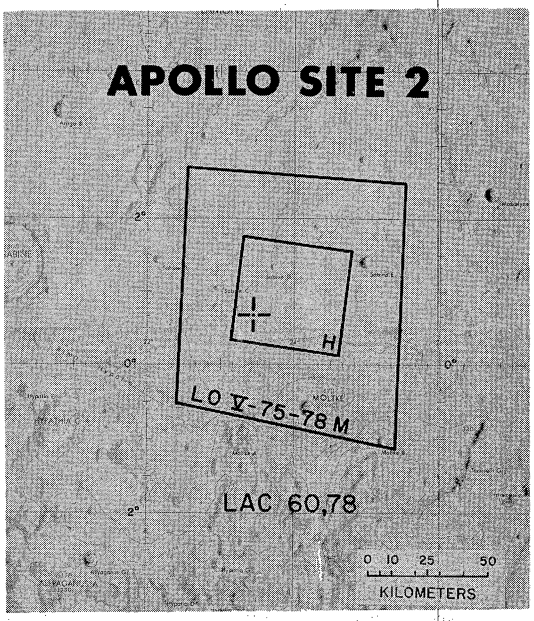
Age dating

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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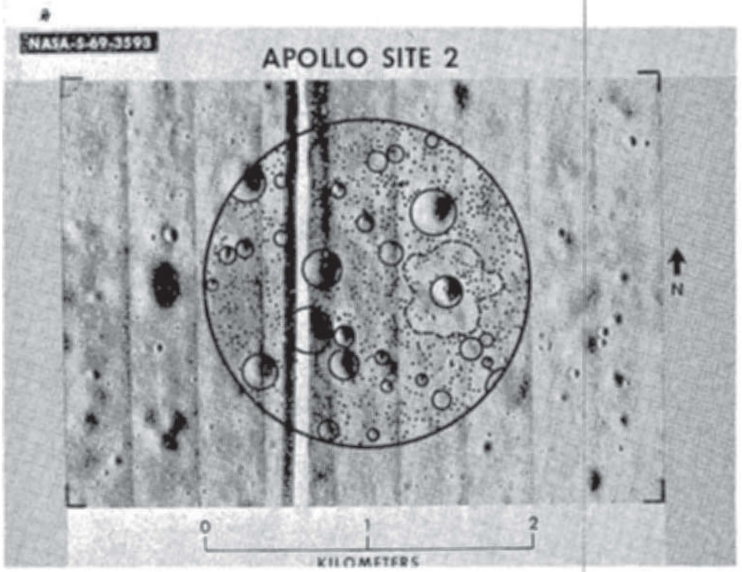
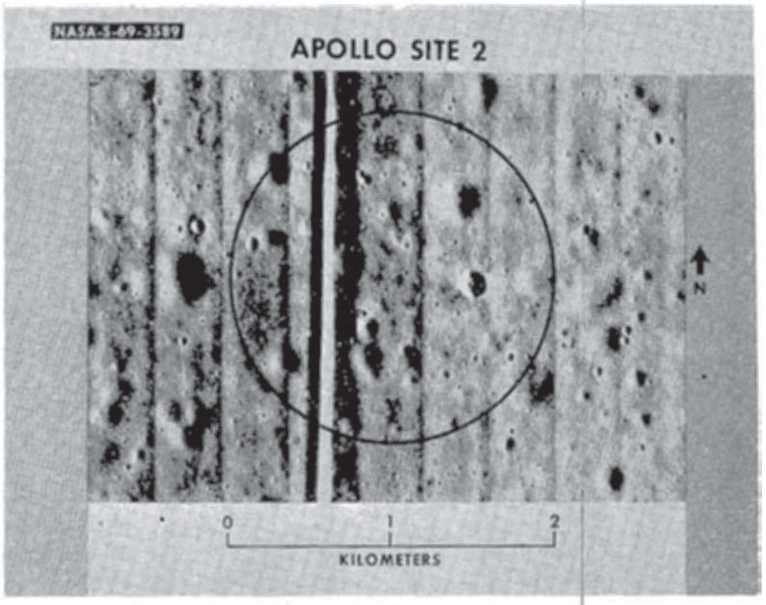

NASA-S-69-3593
APOLLO SITE 2
N
0
1
2
KILOMETERS


NASA-S-69-3589
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2
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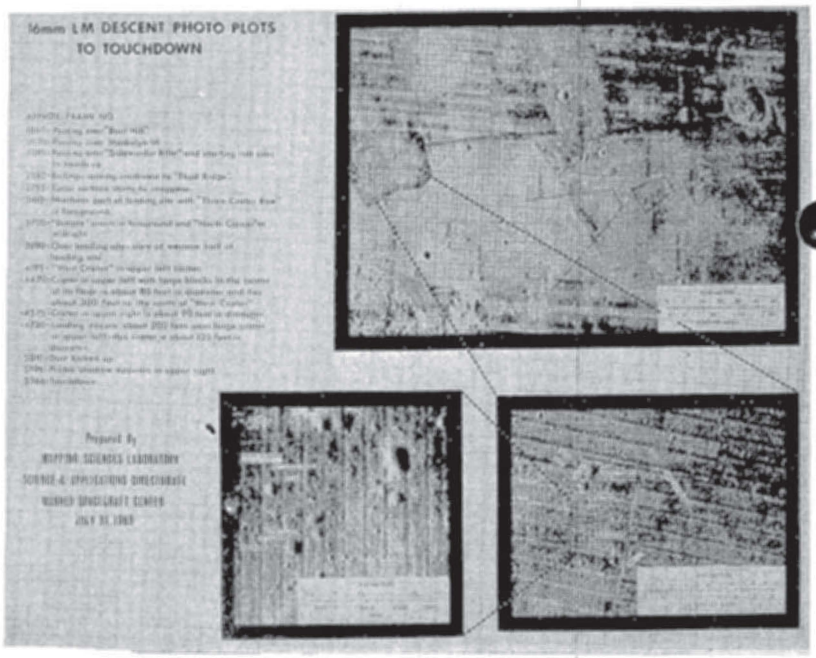

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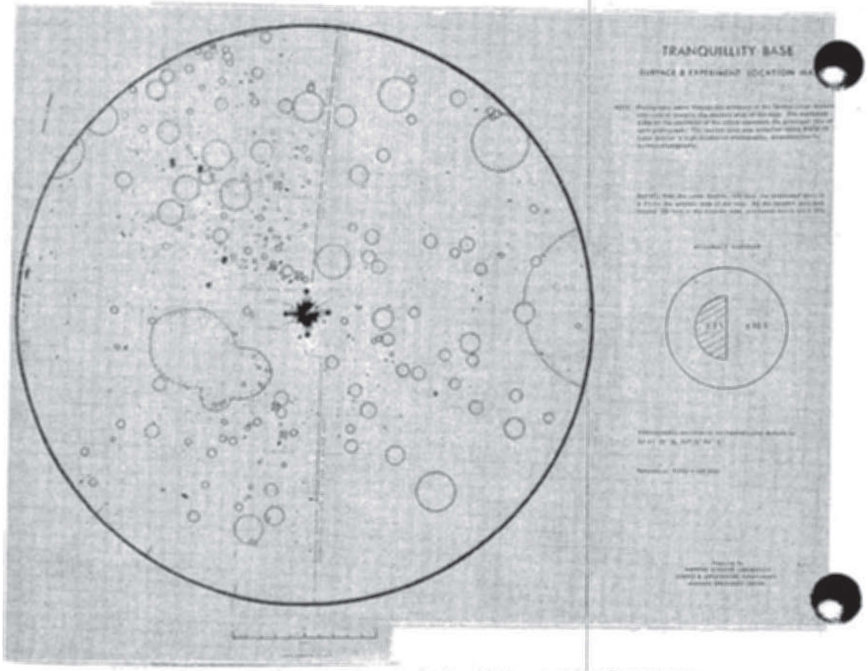

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Other NASA Graphics available:

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