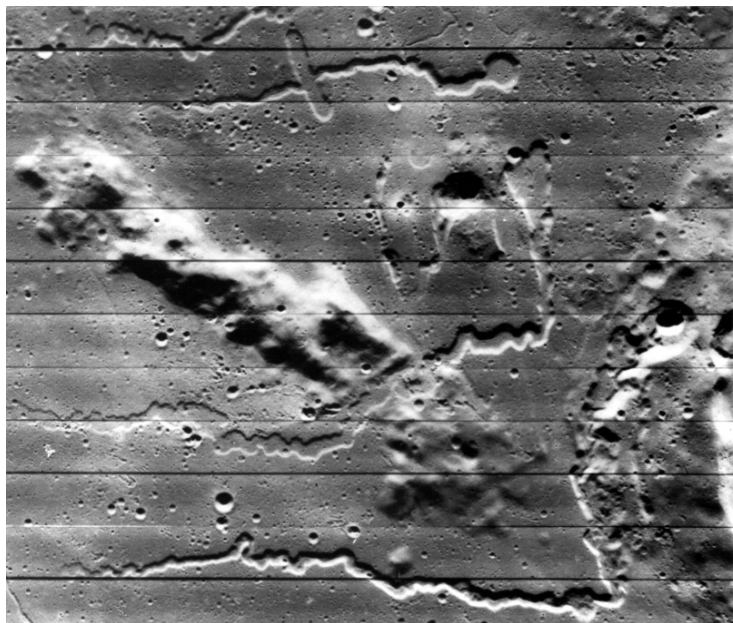


Moon surface photo taken with Lunar Orbiter V



Accession Number 97-739

Description

On August 18, 1967, Lunar Orbiter V took this vertical wide angle photograph of the Harbinger Mountains, located at 43 degrees West longitude and 27 degrees North latitude, from an altitude of 83 miles. At the center of the photograph is Rima Prinz I (Prinze Valley I), at the left is Rima Prinze II. Prinze II starts at a crater about 2 miles in diameter and runs north in a channel 40 miles long. The valley is 3,000 feet wide near the head and narrows to about 1,500 feet near the end. Lying inside the broad valley is a smaller crater about one mile in diameter with its accompanying channel less than 1,000 feet wide. The valley drops about 4,000 feet from the flank of the Crater Prinz to the mare basin floor. The channel system seems to record an older broad-valley stage and a younger inner valley stage of development. An interpretation is that these are records of volcanic eruptions and the flow of fluidal materials downstream, is as terrestrial streams in desert environments. Lunar Orbiter V was one of a series of NASA spacecraft managed by the Langley Research Center, Hampton, Virginia. Prime spacecraft contractor is Boeing Company, Seattle, Washington.

Date(s)

August 18, 1967

8x10 inches (21x26 cm) Black & White

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Keywords Moon exploration Space sciences

HST Keywords Lunar Orbiter V; National Aeronautics And Space Administration

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