

Project Upward

SPACE HISTORY CHALLENGE™

- Project Upward was known by NASA under what other name?
 - Lunar Mapping and Survey System
 - Lunar Imaging Program
 - Digital Moon Initiative
- Project Upward planned to take images using what classified surveillance system?
 - Corona
 - Lanyard
 - Gambit
- What was Project Upward's primary goal?
 - Look for water on the Moon
 - Search for a safe lunar landing site for Apollo
 - Monitor Soviet lunar activities
- In 1963, the intelligence community set what resolution limit for photographs of the Earth by NASA?
 - 1 foot
 - 100 feet
 - 1 mile
- What was the smallest resolution NASA wanted for images of the lunar surface?
 - 2 inches
 - 1 foot
 - 1 meter
- What resolution could the Upward cameras provide from a 200 mile orbit of the Moon?
 - 4 feet
 - 25 feet
 - 100 feet
- Fairchild, Itek, and which third company answered the NRO call for proposals?
 - Lockheed
 - Boeing
 - Eastman Kodak
- Project Upward began in 1963. When did NASA decide it had sufficient data and would forgo any Upward survey missions?
 - May 1964
 - December 1966
 - February 1967
- The imaging system technology was eventually incorporated into which Apollo system?
 - Laser Ranging Retroreflector
 - Scientific Instrument Module (SIM)
 - Far UV Camera/Spectrograph

Answers:

- (A)
- (C) They planned to use a lunar version of Gambit, America's newest reconnaissance satellite at the time.
- (B)
- (B) This was seen as a hard and fast limit by the intelligence community; NASA viewed this as a suggestion.
- (A) Two inches. NASA also wanted a low resolution camera to provide context.
- (A)
- (C)
- (B) NASA folded it into the Apollo Applications Program.
- (B) The SIM Bay camera operated on *Apollo 15, 16, and 17.*

Learn more: "Gambit to the Moon: Project Upward" ([Quest: Volume 27 #3](#))

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