

# 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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