

# Jack Lousma, STS-3 Commander

- Before Space Shuttle mission STS-3, Jack Lousma was the pilot for *Skylab 3*. He also was selected for which Apollo mission?
  - Apollo 18*
  - Apollo 19*
  - Apollo 20*
- Which astronaut flew with Jack Lousma on STS-3?
  - Richard Truly
  - Fred Haise
  - C. Gordon Fullerton
- In total, how many hours did Jack Lousma spend in space?
  - 73
  - 842
  - 1,619
- What was unique about the STS-3 landing?
  - It landed north to south
  - It took place at the White Sands Missile Range
  - It landed on autopilot
- Why did STS-3 "barbecue" *Columbia* for a few orbits?
  - To equalize the temperature of the structure
  - To test the Shuttle at extreme heat
  - The rotation control mechanism was stuck
- What was the Shuttle's Remote Manipulator System better known as?
  - The Canadarm
  - The Ground Control Joystick
  - The Claw
- In the 1970s, STS-3 was planned to do what?
  - Move the *Skylab* space station into a higher orbit
  - Dock with the Russian *Mir* space station
  - Secure a dead satellite while in orbit
- Why were there concerns about the STS-3 landing?
  - It was the first Shuttle to land from orbit
  - Westerly winds >60 knots might violate the Shuttle's 2g turning structural limit
  - The autopilot software hadn't been fully tested
- On the STS-3 launch when the Shuttle rolled upside down, vibrations from the Solid Rocket Booster were compared to what?
  - A big rickety roller coaster ride
  - Driving fast over railroad ties in a rental car
  - Being in front of speakers at a rock concert

## Answers:

- (C) *Apollo 20* as the Lunar Module Pilot
- (C)
- (C) 1,619 hours total, including 11 hours on two spacewalks.
- (B) It was the only Shuttle to land at WSMR
- (A) They couldn't close and latch the payload doors without heating the structure.
- (A) STS-3 was the first to test "the Canadarm" with a payload attached.
- (A) More intense solar activity caused *Skylab* to deorbit earlier than expected.
- (B)
- (B)

**Learn more:** "Five Questions with Jack Lousma" ([Quest: Volume 27 #3](#))

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