

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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