Episode 104: NASA Moon Landing

MythBusters confirm beyond a shadow of Doubt that the Apollo missions went to the moon. Watch, Read and See the proof

https://www.youtube.com/watch?v=qz7cUP4o-ZQ


Air Date: August 27, 2008

This episode was based on the urban legend/conspiracy theory which claims that NASA never landed men on the moon, and instead the achievement was intentionally faked for one reason or another.
We Challenge all Wacko Speculation and Prove the Moon Landing was True

(Wacko Idea: One of the NASA photos is fake because the shadows of the rocks and lunar lander are not parallel.

WAKCO IDEA IS BUSTED-- MOON LANDING CONFIRMED

The Mythbusters built a small-scale replica of the lunar landing site based on the photograph, using reflective sand similar to that found on the Moon, and a single light to represent the Sun. Next, they took a photo which was exactly the same as the NASA photo, including the differing shadows. The Mythbusters explained that the shadows were not parallel because of the way the light falls on the Moon’s natural topography.

Wacko Idea: One of the NASA photos is fake because Neil Armstrong can be clearly seen while in the shadow of the lunar lander.

WAKCO IDEA IS BUSTED --- MOON LANDING CONFIRMED

To test this myth, the Mythbusters built a large-scale replica of the landing site, allowing them to take a photo which was nearly identical to the original NASA photo. The Mythbusters explained that Armstrong was visible because of ambient light being reflected off of the Moon’s surface.)
**Wacko Idea:** A flag cannot flap in a vacuum.

The flag fluttered because the astronauts were trying to position it correctly by moving it back and forth, not because of an alleged gust of wind.

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**WACKO IDEA IS BUSTED--- MOON LANDING CONFIRMED**

The Build Team placed a replica of the American flag planted on the moon into a vacuum chamber at the Marshall Space Flight Center. They first tested at normal pressure and manipulated the flag. The momentum moved the flag around but the motion quickly dissipated. In vacuum conditions, manipulating the flag caused it to flap vigorously as if it were being blown by a breeze. This demonstrated that a flag could appear to wave in a vacuum, as the Apollo flag did.

**Wacko Idea:** A clear footprint cannot be made in vacuum because there is no moisture to hold its shape.

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**WACKO IDEA IS BUSTED--- MOON LANDING CONFIRMED**

The Build Team first tested whether dry or wet sand made a more distinguishable footprint by stepping in them with an astronaut boot. It was clear that the wet footprint had more detail than the dry footprint. They then placed sand similar in composition to the Moon’s soil in a vacuum chamber and stepped on it with an astronaut boot, which made a clear print. The reason provided for this was that the unique composition of lunar soil allows it to behave differently than terrestrial soil.

**Wacko Idea:** The film of the astronauts moonwalking is actually film of the astronauts skipping in front of a high-framerate camera, slowing down the picture and giving the illusion they are on the Moon.

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**WACKO IDEA IS BUSTED --- MOON LANDING CONFIRMED**
Adam donned a replica NASA spacesuit and mimicked the astronauts’ motions while being filmed by a slow motion camera. They also attached Adam to wires in order to mimic the Moon’s lower gravity. While comparing their new footage with the original footage, the Mythbusters noted an initial similarity, but there were several small discrepancies attributable to filming in Earth’s gravity. In order to film in microgravity, the Mythbusters boarded a Reduced Gravity Aircraft and filmed the exact same movements. Adam noted that the movements were more comfortable and more logical in microgravity, and their footage from the plane looked exactly like the original NASA film. The Mythbusters concluded that the moon landing film is authentic.
Proof Positive: The Apollo astronauts left behind special equipment on the Moon like reflectors that scientists can bounce lasers off of.

CONFIRMED --- MOON LANDING FULLY CONFIRMED

The Mythbusters went to an observatory equipped with a high powered laser. They first fired at the bare lunar surface but did not detect the laser bouncing back. Then they pointed the laser at a reflector left behind by NASA and received a confirmed bounce.
This movie “the DISH” also confirms the moon landing

http://www.imdb.com/title/tt0205873/
https://www.youtube.com/watch?v=Tc4MSie-P0k “the DISH” Preview

“I was working with AC Electronics in Milwaukee, Wisconsin when they landed. And I can confirm the movie “the DISH” to be completely true. And I can confirm that all of our Dishes in America, Australia and around the world were aimed at the Moon. The transmission of the landing could only have come from the Moon. I hope we can end this crazy shit about this being a hoax“ Desire’ Duboulet
William Kaysing, was not a NASA contractor for Apollo, a classified interdepartmental memo rated the odds of a successful and survivable manned lunar landing on its first attempt at one in ten thousand.


First of all William Kaysing was not a NASA contractor for Apollo. He is a wacko making money writing stupid books and selling them to idiots. Yes it was 1 in 10,000 of a first time landing. That is why we did the Mercury and Gemini program to learn about the technology and we did 10 Apollo missions before attempting a landing.

"The guy is wacky. His position makes me feel angry. We spent a lot of time getting ready to go to the moon. We spent a lot of money, we took great risks, and it's something everybody in this country should be proud of."

Jim Lovell quotes after winning in court against William Kaysing

So we improved the odds, but it was still very very risky. The computer on the lunar landing module was not as powerful as today’s Casio Watch. This was a great achievement of mankind. Quite possibly the greatest achievement.

To make fun or accuse someone of lying after watch the MythBusters evidence is paramount to a crime. More care and professionalism needs to done and I am sure that after you review you will agree.

To slander a country and the thousands of participants in the project is a sign of a weak intellect and unstable mind.

Think before you slander, Please.
The Math Desi made That Saved Apollo 13 Just Sold for $388,375

This is the Lunar Module Systems Activation Checklist Book of Apollo 13. The handwritten numbers are part of the calculations made by Commander James Lovell, just two hours after a service module's oxygen tank explosion left them marooned in space.

The values were written by Lovell on the manual—which was sold in an auction yesterday night for $388,375—and were crucial to put the ship on the course that would return it to Earth. Lovell explains it briefly in that blue post-it note.

*This publication was utilized to transfer CSM guidance data to LM guidance system so the spacecraft data of our attitude with respect to the celestial sphere would not be lost. Note the time these calculations were made GET 58 08 06 about two hours after the explosion. James Lovell.*

Establishing the right course to use the Moon's gravity to return to Earth was the first step of the complex process ultimately saved their lives. They had to transfer these calculations to the Lunar Module because, as they were losing oxygen and power, they were planning to use its descent engine to accelerate their trip:

*This Manual Saved the Power to Keep Apollo 13 Alive*

On April 13, 1970—321,860 kilometers into its Moon trip—an oxygen tank exploded in the Odyssey's Service Module. James Lovell, Jack Swigert, and ... Read...
leak in the cryogenic oxygen in the Service Module, which provides the electrical power system coming out of the fuel cells, and also, breathing oxygen for the crew.

http://indavideo.hu/video/Desi_Apollo_13