



# **Apollo and America's Moon Landing Program: Apollo 11 Technical Crew Debriefing with Unique Observations about the First Lunar Landing - Astronauts Armstrong, Aldrin, Collins**

*National Aeronautics and Space Administration (NASA), World Spaceflight News, Michael Collins, Neil Armstrong, Edwin (Buzz) Aldrin*

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This official NASA document - converted for accurate flowing-text ebook format reproduction - provides the complete transcription of the historic Apollo 11 post-flight debriefing given by astronauts Neil Armstrong, Buzz Aldrin, and Michael Collins on July 31, 1969. Every aspect of the incredible adventure is discussed - from moonwalking to personal hygiene issues, launch through landing. This is an invaluable addition to the ebook library of anyone interested in the Apollo moon landings.

Contents: Suiting and Ingress \* Status Checks and Countdown \* Powered Flight \* Earth Orbit and Systems Checkout \* TLI through S-IVB Closeout \* Translunar Coast \* LOI through Lunar Module Activation \* Lunar Module Checkout through Separation \* DOI through Touchdown \* Lunar Surface \* CSM Circumlunar Operations \* Lift-Off, Rendezvous and Docking \* Lunar Module Jettison through TEI \* Transearth Coast \* Entry \* Landing and Recovery \* Geology and Experiments \* Command Module Systems Operations \* Lunar Module Systems Operations \* Miscellaneous Systems, Flight Equipment and GFE \* Visual Sightings \* Pre-mission Planning \* Mission Control \* Training \* Human Factors \* Miscellaneous \* Concluding Comments

At 10:56 P.M. EDT, Sunday, July 20. Astronaut Neil A. Armstrong, spacecraft commander of Apollo 11, set foot on the moon. His descent from the lowest rung of the ladder which was attached to a leg of the lower stage of the Lunar Module (LM), to the footpad, and then to the surface of earth's only natural satellite constituted the climax of a national effort that began in 1961. It was an effort that involved, at its peak, more than 300,000 people in industry, the universities and in government. As he took his epochal step, Armstrong commented "That's one small step for a man, one giant leap for Mankind." Sharing this electric moment with Armstrong and Edwin "Buzz" Aldrin, the LM pilot, were an estimated half-billion TV watchers in most of the earth's nations. As the astronaut descended the ladder, he pulled a "D" ring that deployed a black and white television camera which was focused to record the event. Framed by parts of the LM's under-carriage, Armstrong's heavily-booted left foot descended across millions of TV tubes until his boot sole made contact.

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