

# Apollo 10/AS-505 Mission

XIV.7  
May '69

## Final Rehearsal for the Manned Lunar Landing

Apollo 10 is a demonstration of the ability of all launch vehicle, spacecraft and ground support systems to perform their assigned functions. The mission will mark the first flight of the complete Apollo spacecraft (CM/SM/LM) in deep space and in the lunar environment. Spacecraft maneuvers are the same as those to be employed on the first manned lunar landing, except that there will be no LM final descent or landing.

## Mission Statistics

Duration (approximate): 192 Hours, 04 Min  
 Orbit (Earth Parking): 100 NM  
 Number of Planned Revolutions: 2 or 3  
 Lunar Orbit: 60 x 170 NM  
 Number of Planned Revolutions: 2  
 Lunar Orbit: 60 NM Circular  
 Number of Planned Revolutions: 28

## Crew

Thomas P. Stafford (Commander)  
 Eugene A. Cernan (Lunar Module Pilot)  
 John W. Young (Command Module Pilot)

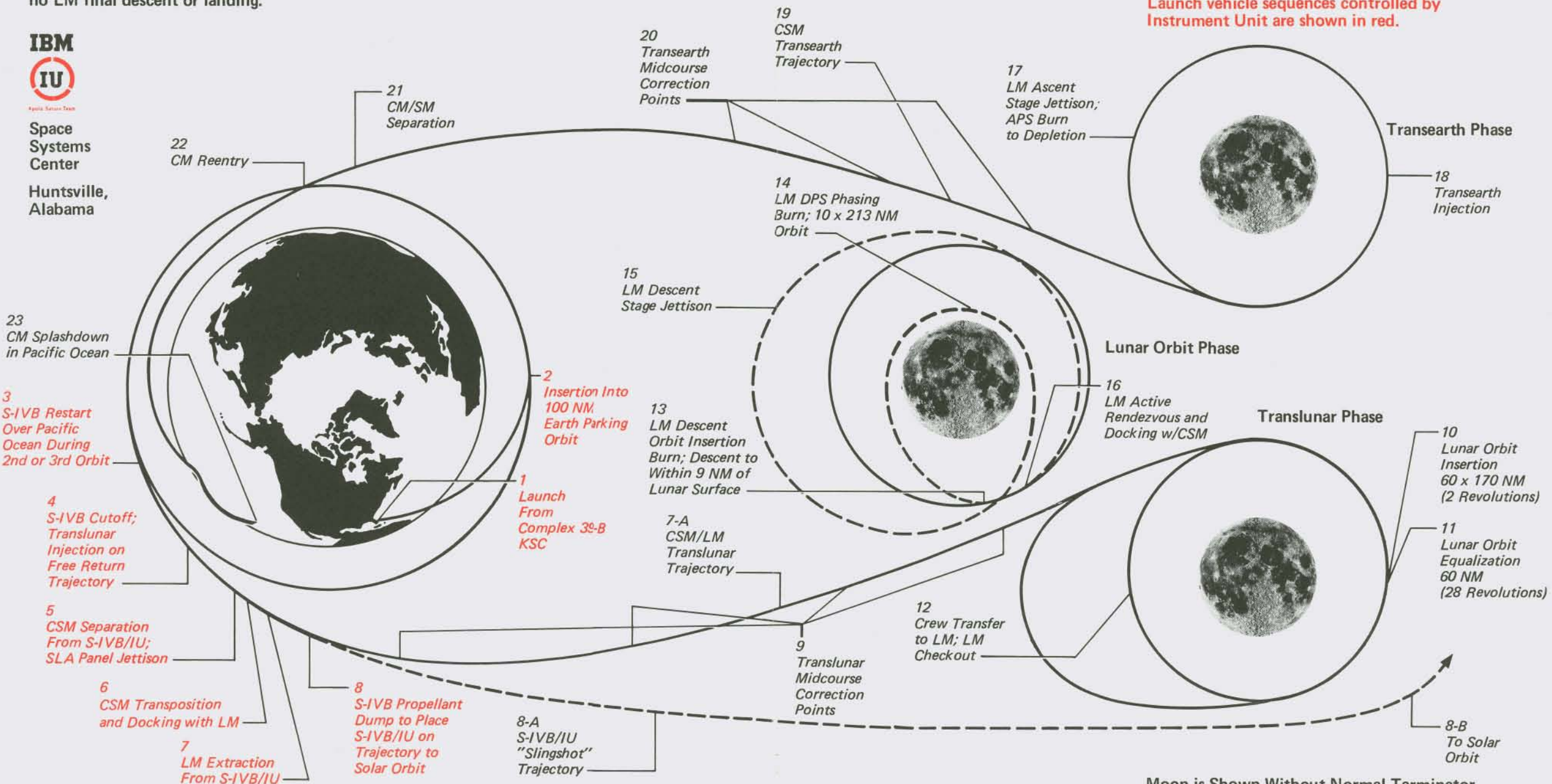
## Notes

CM - Command Module  
 CSM - Command/Service Module  
 SM - Service Module  
 LM - Lunar Module  
 IU - Instrument Unit  
 APS - Ascent Propulsion System (Lunar Module)  
 DPS - Descent Propulsion System (Lunar Module)  
 SLA - Spacecraft Lunar Module Adapter  
 Launch vehicle sequences controlled by Instrument Unit are shown in red.

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Moon is Shown Without Normal Terminator (Dark Side) for Purposes of Clarity.