

# Michael P. Moses

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Virgin Galactic, Mojave, CA, USA

**President**

2011-Present

Oversees the commercial suborbital spaceflight program. Leads the team in all aspects of safe and successful spaceline operations, including WhiteKnightTwo and SpaceShipTwo vehicle processing, flight planning, astronaut training, and flight crew operations.

National Aeronautics and Space Administration (NASA), Kennedy Space Center, Florida, USA

**Launch Integration Manager**, Space Shuttle Program

2008 – 2011

Responsible for Space Shuttle Program operations from landing through launch. Lead the activities of thousands of civil servant and contractor personnel across multiple NASA centers. Manage the fleet of Space Shuttle hardware (External Tanks, Solid Rocket Boosters, Space Shuttle Main Engines, and Orbiters) as well as all ground support infrastructure. Ultimately in charge of the launch countdown and solely invested with final launch authority for all Shuttle missions.

- Establish and optimize fleet manifest, processing schedules, hardware logistics and crew logistics.
- Control a diverse set of support functions, including radar tracking sites, booster recovery ships, search and rescue forces, ferry flight operations (cross-country transport of the Shuttle via a 747 carrier aircraft), Shuttle landing facilities at KSC, Edwards Air Force Base/NASA Dryden and White Sands Space Harbor as well as abort landing sites and runways around the world.
- Chair of Mission Management Team and Daily Program Requirements Control Board.
- Plan for contingency scenarios in Shuttle operations as well as impacts caused by severe weather, security threats and other external events.
- Establish, cultivate and leverage external working relationships with local, state and national entities including the Department of Defense as well as foreign government agencies. Close working ties with the US Air Force Space Command including the 45<sup>th</sup> Space Wing and 14<sup>th</sup> Air Force.
- Represent NASA and the Space Shuttle Program to the press, the general public, distinguished guests and national leaders through multiple media formats.
- Utilize aerospace industry and human spaceflight-related global standards, regulations and practices including strong continuous improvement efforts, export control compliance and use of key performance indicators.
- Member of the U.S. Government Senior Executive Service

National Aeronautics and Space Administration, Johnson Space Center, Houston, Texas, USA

**Flight Director**

2005 - 2008

Responsible for Space Shuttle mission operations from launch to landing. Lead the activities of hundreds of civil servant and contractor personnel across multiple control centers supporting all elements of the Space Shuttle mission. Invested with the ultimate authority, responsibility and accountability for crew safety and mission success during real-time operations from launch to landing.

- Develop the plan, procedures and rules used to execute all aspects of a Space Shuttle mission, including training of the mission control team and the astronaut crew.
- Manage all supporting systems, including the mission control center, payload operations center and the tracking and communications network.
- Chair of Flight Techniques Panel, Joint Operations Panel and Flight Rules Control Board
- Lead the flight control team in the conduct of real-time spaceflight operations.
- Establish and optimize the return value of the Shuttle missions.

National Aeronautics and Space Administration, Lufkin, Texas, USA

**Columbia Accident Investigation and Recovery Team** 2003

Led forensic team in charge of debris recovery cataloging, providing direction for search and recovery teams as well as enabling successful post-accident vehicle reconstruction efforts. Demonstrated leadership ability during unforeseen tragic circumstances, working around-the-clock in public view under difficult working conditions until goals were accomplished.

National Aeronautics and Space Administration, Johnson Space Center, Houston, Texas, USA

**Flight Controller Group Lead, Shuttle Electrical Systems** 2003 – 2005

**Flight Controller Group Lead, Shuttle Propulsion Systems** 2001 – 2003

**Flight Controller, Shuttle Propulsion Systems** (NASA: 1998-2001, United Space Alliance: 1995 – 1998)

In-depth technical expertise in associated Shuttle systems, flight software, ground control software, crew procedures and flight controller training standards.

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## Education

Masters of Science in Aeronautical and Astronautical Engineering, Purdue University, 1995

Masters of Science in Space Sciences, Florida Institute of Technology, 1991

Bachelors of Science in Physics, Purdue University, 1989

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