

# Satellite Ready for Launch from Cape Canaveral

NASA



[1]A United Launch Alliance

Atlas V rocket with NASA's Tracking and Data Relay Satellite (TDRS-L) spacecraft on board arrives at the launch pad at Cape Canaveral Air Force Station's Launch Complex 41. The TDRS-L spacecraft is the second of three new satellites designed to ensure vital operational continuity for NASA by expanding the lifespan of the Tracking and Data Relay Satellite System (TDRSS) fleet, which consists of eight satellites in geosynchronous orbit. The spacecraft provide tracking, telemetry, command and high bandwidth data return services for numerous science and human exploration missions orbiting Earth. These include NASA's Hubble Space Telescope and the International Space Station. TDRS-L has a high-performance solar panel designed for more spacecraft power to meet the growing S-band communications requirements. TDRSS is one of NASA's three Space Communications and Navigation (SCaN) networks providing space communications to NASA missions.

[> More about TDRS-L](#) [2]

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[2] <http://www.nasa.gov/tdrs>

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