



Human Space Exploration Update (Oct 6-10, 2014)

International Space Station

- **Extending ISS Operations:** ['Stay with the Station', NASA boss urges international partners](#) NASA administrator Charles Bolden urged European countries to back an extension of International Space Station operations from 2020 to 2024.
- **Earth from the ISS:** [Stunning view from the space station, front row seat](#) European Space Agency astronaut Alexander Gerst captured a spectacular view of the Earth and his NASA partner, Reid Wiseman, during a spacewalk outside the International Space Station.

Orion and Space Launch System

- **Your Name Aboard Orion EFT-1:** [Why do we love leaving our mark in space? \(video\)](#) NASA has offered to collect and place names on a small microchip that will be flown aboard the Exploration Flight Test-1 Orion capsule scheduled for an uncrewed two orbit Dec. 4 test flight. The name chip will fly again on a future Mars mission, according to the space agency. (<http://www.nasa.gov/press/2014/october/send-your-name-on-nasa-s-journey-to-mars-starting-with-orion-s-first-flight/>)
- **Orion / EFT-1 Video:** <http://www.youtube.com/watch?v=KyZqSWWkmHQ#t=25> NASA production explains the challenges of Exploration Flight Test-1.
- **SLS Fact Sheet:** http://www.nasa.gov/sites/default/files/files/SLS-Fact-Sheet_aug2014-finalv3.pdf

Commercial Space Transportation

- **Resume Work:** [NASA clears commercial crew contractors to resume work](#) NASA instructs Boeing and SpaceX to resume work on their Commercial Crew Program spacecraft, the CST-100 and crewed Dragon. Sierra Nevada challenged the Sept. 16 NASA awards to Boeing and SpaceX, and the space agency responded with a directive to hold up development. NASA cited crew risks and failure to meet obligations to international partners as the basis for its decision to resume work.

Space Budgets, Policy, Missions, Benefits, International ...

- **Asteroid Redirect Mission:** [NASA studying habitation module for asteroid mission](#) NASA is assessing a habitation module for astronauts as part of future human deep space exploration planning. It could join the Space Launch System heavy lift rocket and Orion crew exploration vehicle as a major element of the proposed Asteroid Redirect Mission.
- **Sleep for Deep Space:** [NASA eyes crew deep sleep option for Mars mission](#) NASA considers "therapeutic turpor" for astronauts assigned to future Mars exploration missions. The voyage to Mars would take at least 180 days with current technologies. Crew sleep could reduce spacecraft mass and volume requirements, according to a study conducted for the space agency by SpaceWorks Enterprises of Atlanta.

Florida Highlights

- **X-37B Reusable Space Planes:** [Boeing spacecraft to move into KSC's shuttle hangars](#) Boeing will inherit a pair of former NASA space shuttle hangars at the Kennedy Space Center in Florida. The enclosures will support two U.S. Air Force, Boeing developed X-37B reusable space planes.
- **New KSC Headquarters Building:** [KSC breaks ground on new headquarters building](#) KSC Officials broke ground on a new seven story administrative building at NASA's Kennedy Space Center. The energy efficient high rise is expected to bring significant savings in operating costs.

Citizens for Space Exploration – a pro-space, grassroots advocacy group, supported by the Melbourne Chamber of Commerce, travels to Washington, D.C. to meet face-to-face with Members/staff of Congress to discuss the value of America's investment in space exploration. To sustain that dialogue on a regular basis, Citizens distributes "Human Space Exploration Update" to Congressional offices on a weekly basis and makes it available to our Chamber members as a quick-and-easy way to stay informed on developments impacting NASA and Space Coast Florida.

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