



## **Human Space Exploration Update (June 9-13, 2014)**

### **Congress**

- **House Approves Authorization Bill:** [NASA authorization bill easily passes the House](#) The first NASA authorization bill since 2010 passed the U.S. House on Monday 401-2. The measure, which directs NASA to create a long term road map for human exploration, spurred debate, some of which was critical of NASA's Asteroid Redirect Mission plans.
- **NASA's FY2015 Budget:** [Examining the Senate's NASA funding bill](#) The website presents an activity by activity NASA budget box score for 2015: the White House request, full U.S. House figure, and U.S. Senate Appropriations Committee numbers.

### **International Space Station**

- **3D Printing:** [3D Printer Cleared for August Launch to Space Station](#) NASA clears U.S. 3-D printer for trip to the International Space Station in August.
- **Sarah Brightman to ISS:** [Singer Sarah Brightman plans 2015 flight to space station](#) British singer Sarah Brightman looks to 2015 for a flight to the International Space Station. She will begin to train this year, according to Space Adventures, the U.S. company arranging the adventure.

### **Orion and Space Launch System**

- **Orion Crew and Service Modules:** <http://www.nasa.gov/press/2014/june/nasas-orion-spacecraft-stacks-up-for-first-flight/> Following the completion of the heat shield installation, Lockheed Martin has stacked the Orion crew module atop of the service module. The stacking took place inside the Final Assembly and System Test (FAST) cell inside the Operations and Checkout facility at Kennedy Space Center.
- **I am Building SLS:** <http://www.nasa.gov/exploration/systems/sls/i-am-building-sls-vancleave.html>

### **Commercial Space Transportation**

- **Boeing's CST-100:** [Boeing showcases capsule that could become 'taxi' to space station](#) At NASA's Kennedy Space Center, Boeing previews the CST-100, a large capsule that could deliver seven astronauts to the International Space Station on a commercial basis.
- **Sierra Nevada Partnership with Craig Technologies:** [Florida Today](#) Sierra Nevada Corp. (SNC) Space Systems announced that it has contracted with Craig Technologies to help prepare its Dream Chaser to launch on an uncrewed mission from the Kennedy Space Center as early as 2016.

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

- **Collaboration with China on Mars:** [To Mars with China? Not These Days, Says Nelson](#) It would be premature for the U.S. to consider an alliance with China in its human space flight program for the exploration of Mars, says U.S. Sen. Bill Nelson of Florida, who has been influential in shaping space policy from Washington. Nelson spoke in response to a National Research Council report earlier this month that urged consideration of a partnership.

### **Ground System Development & Operations**

- **GSDO Progress Report:** [http://www.nasa.gov/exploration/systems/ground/gsd\\_o\\_newsletters.html](http://www.nasa.gov/exploration/systems/ground/gsd_o_newsletters.html)
- **GSDO Engineer – Jessica Parsons:** [http://www.nasa.gov/content/gsd\\_o-engineer-realizes-dream-of-working-at-kennedy-space-center/](http://www.nasa.gov/content/gsd_o-engineer-realizes-dream-of-working-at-kennedy-space-center/)

### **Florida Highlights**

- **Senator Rubio on Space:** [Rubio meets with KSC officials: discusses 'master plan'](#) U.S. Sen. Marco Rubio, of Florida, meets with NASA Kennedy Space Center management to discuss the installation's plans for the future. Economics, job prospects are key, Rubio says.
- **KSC Master Plan:** <http://masterplan.ksc.nasa.gov/en/Intro>
- **Space Tourism:** [Florida Today](#) Speaking at the National Space Club Florida Committee's monthly meeting, Scott Henderson, orbital launch site director for Blue Origin, and Andrew Nelson, XCOR's chief operating officer and vice president of Business Development, discussed rising space tourism prospects in Florida.
- **RD-180 Engine:** [House appropriators recommend \\$220 million for rocket engine](#) House appropriators urge a \$220 million Defense investment in a domestic alternative to Russia's RD-180 rocket engine. The engine is key to the first stage propulsion of the United Space Alliance Atlas V rocket.

***Citizens for Space Exploration*** – a pro-space, grassroots advocacy group, supported by the Melbourne Regional 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. ([www.citizensforspaceexploration.org](http://www.citizensforspaceexploration.org))