00:00:00,110 --> 00:00:06,990
here's some of the stories trending this

00:00:02,310 --> 00:00:08,849
week at NASA NASA announced May 26th it

00:00:06,990 --> 00:00:10,230
has selected nine science instruments

00:00:08,849 --> 00:00:12,839
for a mission to Jupiter's moon Europa

00:00:10,230 --> 00:00:14,940
to investigate whether the icy moon has

00:00:12,839 --> 00:00:16,589
conditions suitable for life the

00:00:14,939 --> 00:00:18,660
instruments targeted for launch aboard a

00:00:16,589 --> 00:00:20,550
robotic probe in the 2020s include

00:00:18,660 --> 00:00:22,140
cameras and spectrometers to collect

00:00:20,550 --> 00:00:24,570
high-resolution imagery and

00:00:22,140 --> 00:00:26,670
ice-penetrating radar to measure surface

00:00:24,570 --> 00:00:28,948
thickness and look for subsurface lakes

00:00:26,670 --> 00:00:30,449
and a magnetometer to measure the

00:00:28,949 --> 00:00:33,420
strength and direction of the moon's
magnetic field and allow scientists to
determine the depth and salinity of the
moon's ocean the mission will collect
data during a series of close flybys of
Europa during a three-year period NASA's
Commercial Crew program ordered its
first crew rotation mission from the
Boeing Company moving a step closer to
the agency's goal of restoring America's
ability to launch astronauts to the
International Space Station from the
United States in 2017
SpaceX the other company developing
spacecraft to fly astronauts to and from
the ISS also is expected to receive its first order from NASA later this year a determination of which company will fly the first crewed mission to the station will be made at a later time work was completed on May 27th to relocate the International Space Station's permanent multi-purpose module from the earth-facing port of the unity module to the forward port of the tranquility module the module move is part of the process of reconfiguring the station for the future arrival of the US Commercial Crew spacecraft NASA Administrator
Charlie Bolden visited Aerojet

Rocketdyne facility in Southern California on May 28th while they are

Bolden was briefed on the work being conducted by the company on the propulsion system for NASA's Space Launch System rocket and Orion spacecraft that same day the administrator also visited the nearby headquarters of Northrop Grumman.

James Webb Space Telescope are in production engineers at Stennis Space Center conducted a 450 second test of an rs.25 engine on the a1 test stand four.
rs.25 engines

power the Space Launch System rocket

this was the second in the current series of test firings to investigate how the rs.25 stands up to the rigors and specific requirements needed to boost the massive SLS core stage six more tests are planned for the current cycle of development the second flight tests of masses low-density supersonic deaccelerator project is scheduled for no earlier than June 2nd from the US Navy's Pacific Missile Range facility in Hawaii the test which simulates a supersonic
entry and descent through the Martian atmosphere is helping researchers investigate breakthrough technologies for landing future robotic and human Mars missions and safely returning large payloads to earth NASA chief scientist Ellen stofan was one of several agency representatives at the 2015 World Science Festival in New York the festival also included a host of interactive NASA activities and exhibits showcasing the science and technology that will enable future groundbreaking discoveries and human journeys to
faraway destinations in our solar system

including Mars and that's what's up this

week @nasa

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