here's some of the stories trending this

week at NASA the SpaceX Dragon

spacecraft is loaded with more than

5,000 pounds of supplies and experiments

for delivery to the International Space

Station on crs 5 the company's fifth

resupply mission to the ISS one of the

experiments the cloud aerosol transport

system or cats is designed to study the

global distribution of clouds and

aerosols in our atmosphere launched from

cape canaveral air force station is no

earlier than january 10 new astrophysics

findings presented by nasa researchers
January fourth through eighth and the

225th meeting of the American Astronomical Society in Seattle included the largest Hubble Space Telescope image ever assembled a sweeping bird's-eye view of a portion of M31 the Andromeda galaxy. Even though M31 is over two million light years away, Hubble was powerful enough to resolve individual stars in a 61,000 lightyear long stretch of the galaxy's pancake-shaped disk. Never before had astronomers been able to see individual stars inside an external spiral galaxy over such a large distance.
contiguous area meanwhile the total number of verified exoplanet finds by NASA's Kepler space telescope has been up to 1,000 after researchers using Kepler data validated that eighth planet candidates spotted by the telescope are in fact planets three of the planets are located in their sun's habitable zone the range of distances from the host star where liquid water might exist on the surface of an orbiting planet of those three two are likely made of rock like Earth a January eighth media briefing at NASA headquarters in
Washington preview the upcoming soil

00:01:50,099 --> 00:01:54,298
moisture active passive mission

00:01:51,989 --> 00:01:56,188
scheduled to launch January 20 nights

00:01:54,299 --> 00:01:58,290
from Vandenberg Air Force Base in

00:01:56,188 --> 00:02:00,658
California the mission will provide the

00:01:58,290 --> 00:02:02,729
most accurate highest resolution global

00:02:00,659 --> 00:02:05,189
measurements of soil moisture ever

00:02:02,728 --> 00:02:07,890
obtained from space and will enhance our

00:02:05,188 --> 00:02:11,750
understanding of the processes that link

00:02:11,750 --> 00:02:16,860
Earth's water energy and carbon cycles

00:02:14,699 --> 00:02:19,619
nasa administrator charlie bolden got a

00:02:16,860 --> 00:02:21,750
first-hand look at work being done on

00:02:19,620 --> 00:02:24,480
advanced woven material used on the

00:02:21,750 --> 00:02:27,060
agency's Orion spacecraft during the

January 9th visit to bally ribbon mills
in Valley Pennsylvania the company a
leader in high-performance
multidimensional woven materials is
leading the multifunctional thermal
protection system padding used to
insulate and protect NASA's Orion
spacecraft Orion will take astronauts on
the journey to Mars and return them
safely to earth with the help of this
technology NASA associate administrator
for science and astronaut John Grunsfeld
was on hand at a preview event for the
smithsonian national air and space
museum's new exhibit outside the
spacecraft 50 years of extravehicular activity the exhibit opened January aid to commemorate the 50th anniversary of the first two spacewalks in history both in 1965 on March 18th of that year soviet cosmonaut Alexey Leonov became the first person to walk in space followed by u.s. astronaut Edward White Grunsfeld has performed eight spacewalks to service and upgrade NASA's Hubble Space Telescope and that's what's up this week @nasa for more on these and other stories follow us on social media
00:03:35,310 --> 00:03:38,568
and visit www.nasa.gov/twan