this week at NASA with the launch of
sts-135 officially set for july eight
that 1126 a.m. eastern daylight time the
four member crew commander Chris
Ferguson pilot Doug Hurley and mission
specialists sandy Magnus and Rex Walheim
is making its final preparations for the
final mission of the space shuttle
program space shuttle Atlantis is 12-day
mission to the international space
station will deliver the raffaello
multi-purpose Logistics Module filled
with supplies and spare parts to sustain
station operations once the shuttles are
retired the mission also will fly the robotic refueling mission an experiment designed to demonstrate and test the tools technologies and techniques needed to robotically refuel satellites in space even satellites not designed to be serviced this flight is incredibly important to space station the cargo that is coming up on this flight is really mandatory for for Space Station the first space shuttle mission sts-118 well've 1981 veteran astronaut john young first-time flyer bob crippen aboard Columbia the liftoff of Atlantis
NASA Administrator Charles Bolden outlined the agency's post shuttle future in a speech to media and members at the national press club in Washington.

Read I'm here to tell you that American leadership in space will continue for at least the next half century because we've laid the foundation for success and for us at NASA failure is not an option. Holden told luncheon gathering and a national television audience that NASA will continue its human space exploration efforts aboard.
the International Space Station and by

developing new technologies and

capability to send future generations to

multiple destinations beyond low-earth orbit we are not ending human spaceflight we are recommitting

ourselves to it and taking necessary and

difficult steps today to ensure America's preeminence in human space exploration for years to come Bolden

also spoke of NASA's continued

innovation in aeronautics research and

dedication to sending robotic science

missions into the solar system and

beyond special guest speaker four times
Shuttle astronaut Mark Kelly talk of the continuing recovery of his wife's Congresswoman Gabrielle Giffords of Arizona and the end of the shuttle era I love her very much but I have to say I also love the Space Shuttle very much the Space Shuttle has been very good to this country it's an incredible ship that is difficult to let go in just one week from today the space shuttle will rock it off the planet one last time perfect without going NASA's robotic Lander development project to the Marshall Space Flight Center conducted
the second free flight test of a robotic
lander prototype 2 1 nominal the lander

successfully executed its planned flight

profile rising to a 6-foot hover and
descending to a controlled soft land

overhead and side mounted cameras

captured the action in high definition

and infrared allowing engineer to see

the performance engage the temperatures

of frustra coombs they're visible to the

naked eye these tests will aid in design

on development of a new generation of

small smart versatile robotic Lander

capable of performing science and
NASA - Crew Readies for Final Shuttle Mission on This Week @NASA_lswDRdT3zJw - transcript (automated).txt

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exploration research at multiple destinations in the solar system all of the mirrors that will fly aboard NASA's James Webb Space Telescope have been polished representing a major milestone for the observatory jwst has four types of mirrors made of beryllium its primary one which is actually comprised of 18 individual mirrors will enable scientists to capture light from faint distant objects in the universe faster than any previous space observatory and see objects as far away as the first galaxies in the universe as the
successor to the Hubble Space Telescope

the Webb telescope is the world's next generation space observatory it will be the most powerful space telescope ever built.

to NASA aircraft are conducting research flights over the Baltimore Washington region and northeast Maryland this summer to improve how ground-level air quality is measured from space discover a cue for deriving information on surface conditions from column and vertically resolved observations relevant to air quality is a targeted four-year science investigation to
complement data gathered by NASA

satellites space borne instruments

monitoring air quality have trouble

distinguishing between pollution high in

the atmosphere and pollution near the

surface where people live discover

accused measurements will be combined

with ground-based observations sites to

help scientists tell the difference we

can work with our private sector and tap

into that US industry NASA deputy

administrator lori garver web chatted

with users of the social medium Twitter

about the future of the agency hosted by
astronaut Mike Massimino better known tweeters by the handle Astro Mike the one our question and answer session was carried on NASA 2 v's ustream channel before Garver and massimino invited the Twitter community to ask questions about NASA's plans for human exploration of space both show the exploration plans of this nation I think we will do it in a cooperative way have the red planet in our sights the whole point of what we're doing is to develop these capabilities so we can go farther okay awesome all right we have another question they also
discussed how NASA astronauts will continue to travel and work aboard the International Space Station with 1,300 employees.

The annual agency honor awards ceremony was held at NASA headquarters on June 30. The event recognized employee contributions both individual and groups at NASA centers and facilities across the country. In total, 80 awards were presented during this year's ceremony. The Smithsonian's NASA mission and America's space program over the past year received awards. Eight awards were presented during this year's ceremony. The Smithsonian's honors were presented.
National Air and Space Museum in Washington was the scene of a special celebration noting the 50th anniversary of the first nuclear spaceflight the feat honored the flight of the transit for a spacecraft on Jun 29, 1961 carrying with it a SNAP 3B radioisotope power generator that produced 2.7 watts of electrical power as well as other nuclear powered missions undertaken by NASA in the subsequent 50 years and now centerpieces diving like a bird of prey NASA Dryden FA-18 has been putting the landing radar for the Mars Science Laboratory through
its paces over Edwards Air Force Base in California the aircraft carried an experimental pod that housed the test radar underneath the aircraft's left wing during the flights the fa-18 climbed to 40,000 feet then made stair-step dives over Rogers dry lake at angles of 40 to 90 degrees all the net called Annette in order to simulate what the radar will see during entry into the Martian atmosphere being developed by NASA's Jet Propulsion Laboratory the Mars Science Laboratory with its curiosity rover is NASA's next
exploration mission to the red planet

hundreds of 4th through 6th grade students from the California high desert

recently participated in the 7th annual intermediate space challenge rocket contest at the Mojave Air and Space for

the challenge introduced science technology engineering and math through the hands-on experience of building and launching a rocket 21 classroom teams from Mojave on hacienda elementary schools built their own rockets Road essays and cheered in youthful
exuberance as their rocket sword

hundreds of feet into the air NASA

Dryden Flight Research Center's

Education Office supplied ten of the

rockets and gift bags for the winners

since 2005 about a thousand students

have participated in the annual events

competing against their individual

grades for the grand prize a traveling

trophy that's awarded to the school

scoring the highest overall average

score and that's this week @nasa for

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