this week at NASA rocket from bruschetta

following a daring plunge to the Martian atmosphere billed as seven minutes of Terror the Mars Science Laboratory

Curiosity rover made a successful on target landing on the red planet and Gale Crater confirmation of the newest resident Rovers safe touchdown reach the

MSL flight team courtesy of the Mars Odyssey spacecraft which from its vantage point orbiting Mars was able to directly communicate with curiosity in addition to NASA TV and nasa gov coverage of curiosity's landing was
available for public viewing at various locations including Times Square in New York City. It's a huge day for the nation, it's a huge day for all of our partners that have something on you know on curiosity and it's a huge day for the American people so right as I told people as we went around earlier tonight everyone in the morning and should be sticking their chest up Sam that's my rover on Mars because it belongs to all of us for us being able to land something in larger and larger measures with this capability will come the
ability to land humans many new technologies had to work in perfect succession and perfect synchronization for this to happen was an incredible performance by the Jet Propulsion lab by NASA by the teams around the country who had contributed to this indeed partners from around the world curiosity is scheduled to conduct a two-year mission to investigate the most intriguing places on Mars in an effort to determine if microbial life is possible on the planet we'll have more on curiosity's landing with public reaction from NASA
centers on the next edition of this week

44 00:01:53,280 --> 00:01:55,460 @nasa

45 00:02:00,010 --> 00:02:03,700 engineers at the Johnson Space Center

46 00:02:01,969 --> 00:02:06,109 have conducted a successful

47 00:02:03,700 --> 00:02:08,990 seventy-second test firing of the

48 00:02:06,109 --> 00:02:11,750 project Morpheus Lander Morpheus is a

49 00:02:08,990 --> 00:02:14,000 vertical testbed vehicle demonstrating

50 00:02:11,750 --> 00:02:16,909 new green propellant propulsion systems

51 00:02:14,000 --> 00:02:19,610 and all hat autonomous landing and

52 00:02:16,909 --> 00:02:22,400 hazard avoidance technology this final

53 00:02:19,610 --> 00:02:24,830 test at JSC had the vehicle tethered to

54 00:02:22,400 --> 00:02:27,409 a crane and included a 60-second hover

55 00:02:24,830 --> 00:02:30,140 test with a four second asset and a

56 00:02:27,409 --> 00:02:31,669 6-second decent the lander was later

57 00:02:30,139 --> 00:02:33,949 shipped to the Kennedy Space Center
where it's to undergo its first free flight testing an unpiloted Russian resupply ship loaded with almost three tons of food fuel and supplies linked up to the International Space Station just six hours after its launch from the Baikonur cosmodrome in Kazakhstan additional engine firings early in its mission were a test to expedite the progress its journey to the orbiting laboratory which normally takes about two days after analysis by Russian engineers and managers the technique could be used to similarly shorten a
Soyuz vehicles route to the station thereby improving crew comfort as well as extending the life of the return vehicle while docked to the ISS you are our Olympians you are the best of the best you are the ones who helped us reach for new heights deputy administrator lori garver led the 2012 nasa honor awards recognizing bills in the agency whose outstanding efforts in the past year have helped NASA reach new milestones a new video spotlighting NASA's Curiosity rover was featured during a
performance of the National Symphony

Orchestra at wolftrap National Park for the Performing Arts outside Washington

was accompanied by a musical selection from late french composer george busy

the NSO was under the direction of conductor Emil tuku NASA Administrator

Charlie Bolden was on hand for the performance this mission will not only help unlock the mysteries of Mars it's a precursor to achieving President Obama's goal of sending humans to the red planet by the 2030s the curiosity visuals were
a portion of the NASA imagery featured

00:04:27,199 --> 00:04:38,089
as part of Gustav Holst's the planets

00:04:29,470 --> 00:04:40,130
the evening main program the 2012 NASA

00:04:38,089 --> 00:04:42,649
headquarters take your children to work

00:04:40,129 --> 00:04:45,829
day gave younger NASA family members a

00:04:42,649 --> 00:04:48,589
peek inside the agency and its diversity

00:04:45,829 --> 00:04:50,899
of people and professions hands-on

00:04:48,589 --> 00:04:52,939
activities also represented tasks

00:04:50,899 --> 00:05:00,860
performed in some of the varied and

00:04:52,939 --> 00:05:04,400
exciting careers at NASA this summer has

00:04:59,360 --> 00:05:02,300
also been a learning experience at

00:05:00,860 --> 00:05:04,400
headquarters for a group of high school

00:05:02,300 --> 00:05:07,038
students Administrator Charlie Bolden

00:05:04,399 --> 00:05:09,859
spoke to participants of the 2012 NASA

00:05:07,038 --> 00:05:11,269
engineering apprenticeship program me
app targets high school sophomores
juniors and seniors interested in
science technology engineering and math
the STEM careers under the eight-week
program students work on a project under
the guidance of a volunteer mentor nASA
has hosted more than 200 students since
the program began in 1995 many me up
students have gone on to top colleges
and positions within NASA and other
industry organizations discovery
endeavour and atlantis came home from
space for the last time in 2011 touching
down at the shuttle landing facility at
Kennedy Space Center in Florida a
mission complete Easton after serving
the world for over 30 years they settled
step after each final landing Kennedy's
landing operations team used a temporary
spray paint to note where the wheel
stopped local artist Chad stout of sea
spray glass blasting designed
manufactured and installed the markers
wearing safety gear he etched the final
design in absolute black granite an
extremely durable stone pavers are extra
thick and weigh at least a hundred
pounds each but he installed them by hand all three papers are aligned with the etchings on the runway centerline and like the shuttles legacy will stand the test of time nASA has donated a piece of space shuttle history to the coca-cola Space Science Center at Columbus State University in Georgia the science center has taken possession of main engine nozzle number five thousand two from the Marshall Space Flight centers propulsion research development plan this particular nozzle has flown to space numerous times on four different
shuttles including the STS 60 mission in February 1994 we have a go for engine start commanding space shuttle Discovery for that flight then astronaut Charlie Bolden who is now of course NASA Administrator the NASA artifact will be displayed at the coca-cola Science Center to inspire the next generation of scientists and engineers 15 years ago on August seventh 1997 space shuttle discovery launched from kennedy space center on sts 85 her crew commander curtis brown pilot kit rominger mission specialists jan davis bob curbeam and steve robinson and payload specialists
BR neat rig listen of the Canadian Space Agency worked for the complement of payloads focused on mission to Planet Earth objectives as well as the then-upcoming Assembly of the International Space Station among them the Japanese manipulator flight development MFD to evaluate the robotic small fine are that later became part of the Japanese Kibo laboratory on the ISS discovery and crew returned to Earth 11 days later landing safely at KSC on August nineteenth three two one zero and
Liftoff of space shuttle Endeavour five years ago on August eight 2007. Space shuttle Endeavour launched from KSC on STS-118, the 22nd shuttle flight to the International Space Station. Commander Scott Kelly, pilot Charlie Hoba, and mission specialists Rick Mastracchio, Dave Williams of the Canadian Space Agency, Barbara Morgan, Tracy Caldwell, and Al Drew continued construction of the ISS by delivering S5, the station's third starboard truss segment. The crew also replaced a defective gyroscope and installed an external stowage platform.
they closed out the mission 12 days later when endeavour touched down on the runway at KSC and liftoff of the Atlas 5 with Juno on a trek to Jupiter and August fifth marks the one-year anniversary of the launch of the Juno spacecraft atop an Atlas 5 rocket from cape canaveral air force station in florida launched marked the start of journals five-year journey to Jupiter to study the planet structure and decipher its history and that's this week @nasa for more on these and other stories or to follow us on Facebook Twitter and