this week at NASA after wishing the

expedition 27 crew farewell expedition

26 commander Scott Kelly boy use

commander alexander kaleri and russian

flight engineer oleg skripochka undocked

their soyuz spacecraft from the

International Space Station and turned

toward home several hours later the trio

landed safely on the steppes of

Kazakhstan Kelly tulare and skripochka

completed almost six months in space

following their launch to the station in

October 2010 when the hatch open is just

quite refreshing to get that cold air
and you know snow blown inside the capsule it was definitely a once-in-a-lifetime experience they'll be replaced on the complex by commander andrey borisenko and flight engineers

alexander samokutyaev and ron garan who are scheduled to join dmitry kondratyev paolo nespoli and cady coleman on expedition 27 after their soyuz spacecraft launches next month from the baikonur cosmodrome in kazakhstan celebrate their happy for the past six and a half years the messenger spacecraft has been lapping the inner
solar system now carrying a host of
30
00:01:34,700 --> 00:01:39,020
science instruments and fortified
31
00:01:36,709 --> 00:01:41,809
against the unrelenting heat of the Sun
32
00:01:39,019 --> 00:01:44,269
the spacecraft has arrived at its final
33
00:01:41,810 --> 00:01:46,879
destination in orbit around the
34
00:01:44,269 --> 00:01:48,949
innermost planet Mercury one of the
35
00:01:46,879 --> 00:01:51,709
mysteries now a 20-year old mystery that
36
00:01:48,950 --> 00:01:53,900
we hope to solve with messenger is is
37
00:01:51,709 --> 00:01:56,179
there ice on Mercury the planet closest
38
00:01:53,900 --> 00:01:58,070
to the Sun the planet with one of the
39
00:01:56,180 --> 00:01:59,630
hottest surface temperatures and the
40
00:01:58,069 --> 00:02:02,889
most extreme variation in temperature
41
00:01:59,629 --> 00:02:05,780
between day and night could ice be
42
00:02:02,890 --> 00:02:08,780
permanently deposited in cold storage at
43
00:02:05,780 --> 00:02:11,240
the North and South Pole stay tuned at

the time of orbit insertion messenger

for mercury surface space environment

geochemistry and ranging was 28 million

miles from the Sun and more than 96

million miles from Earth Messenger has

already completed one flyby of Earth two

of Venus and three flybys of mercury now

with each 12 day orbit of mercury it

completes messenger will continue

returning the first new spacecraft data

of the planet since the mariner 10

mission more than 30 years ago we are

unveiling this website the women of NASA

today we are so proud of the
contributions of all women NASA unveiled

its new women at NASA website

highlighting the contributions women are making to the agency dad used to take me to the library every weekend and I would check out a book on science and math the rollout was part of a Women's History Month celebration held at NASA headquarters in Washington hosted by NASA deputy administrator lori garver the program included remarks from future guests Valerie Jarrett senior presidential advisor and chair of the White House Council on women and girls
astronaut Tracy Caldwell Dyson and Sabrina Thompson one of the women profiled on the new website the president called for the nation to have an effort to get a hundred thousand new teachers and science and technology and engineering and math so you'll have plenty of people out there ready to change it engaged and dedicate it to this very important field a routine by the science cheerleaders entertained and educated the young all-girl audience of area school students the performers who are also
scientists and engineers challenge stereotypes and encourage young women to pursue careers in science technology.

to fold it and interlock it inside side

B audience members also took part in a demonstration of basic principles of flight I think this might be the first event you've ever been at we're tweeting

is encouraged astronaut Doug Wheelock AKA Astro wheels posted a tweet up at NASA headquarters this tweet up an informal meeting of the users are the social messaging medium Twitter allowed

space enthusiasts to meet and greet we

lock and other NASA personnel you know

it's yeah it's cool you know where it

get to wear a blue suit I get to fly in

space and so what they're looking at me

I know now that it's there looking at me

saying okay the dream came true for you

how about for me you know is there

something in this in this passion for

discovery and exploration their I can

live my dream as well in June 2010

wheelock began a stay of almost six

months aboard the International Space

Station assuming command of the complex

and the expedition 25 crew on sep tember
22nd while on orbit Wheelock often took pictures of Earth and sent them back home via Twitter Wheelock return from space on Thanksgiving Day 2010 and now centerpieces a six-week design and build challenge that had high school students across the world busy every day after school and on weekends is wrapping up the NASA nights a FIRST Robotics team from new horizons Regional Education Center in Hampton Virginia spent all of februari building and programming a robot to participate in the 2011 logo motion competition logo
motion involves building a robot and

mini bot that could move and climb as

well as position inflatable tubes and

symbols on pegs the team worked up to

the last minute putting finishing

touches on the robots mechanical arm and

running tests of the mini bot for

shipping the team's hard work has paid

off and they are gearing up for two

regional tournaments in March and April

it's pretty intense we've been here as

late as nine ten o'clock working on

stuff a lot of us are here late let us

come in every day express the saturdays
that is usually an all-day things

for some of the NASA nights this will be

their first robotic competition it's pretty exciting I'm never done anything

like this before so it's definitely

something to look forward to I think

will be fun just being there and like I can I even feel the energy even here

like people are excited about I think

there with all the other teams and

everything is just me really like just a

lot of excitement and stuff and emotions

and things like that with the majority

of the work behind them the NASA nights

59,050
are ready to take on the other first

00:06:56,500 --> 00:07:00,459
teams in robot battle usually we do a

00:06:59,050 --> 00:07:02,800
pretty good job everybody using pretty

00:07:00,459 --> 00:07:04,419
solid this year we're kind of moving

00:07:02,800 --> 00:07:05,560
toward a little bit of versatility but I

00:07:04,420 --> 00:07:07,509
think we still got a pretty good shot at

00:07:05,560 --> 00:07:09,459
it this was a little bit different from

00:07:07,509 --> 00:07:12,480
most years competitions but I think we

00:07:09,459 --> 00:07:12,479
got a good chance here

00:07:16,079 --> 00:07:22,769
and speaking of robots NASA's Robonaut 2

00:07:19,470 --> 00:07:24,419
or r2 for short was a big hit at the

00:07:22,769 --> 00:07:27,930
Smithsonian National Air and Space

00:07:24,418 --> 00:07:32,848
Museum in Washington school it was

00:07:27,930 --> 00:07:35,490
excited inside the moving beyond gallery

00:07:32,848 --> 00:07:37,139
the human-like robot whose twin is now a
member of the international space station crew demonstrated its strength human-like dexterity and applicability in working safely and in close proximity to humans are two is just one example of technologies being developed by the agency to meet the challenges of extending the human presence into space our goal is to over time to show that it's capable of doing many tasks and then let it become a system that operationally help the crew on a regular basis r2 also made an appearance for NASA tech day on the hill members of
Congress and their staffers watched our
to get put through his paces it is a
while NASA leadership spoke of the
importance of improving the nation's
technological research and capability
when I think about NASA's future in
space and Aeronautics when I think about
the future of this country I can't help
but realize that the pace of our
technological enervate innovations is
only going to increase with time it's a
technological world and for the u.s. to
remain a technological leader we have to
make technology investments NASA
celebrates two anniversaries this week

46 years ago on March 23rd 1965 the first manned Gemini mission was launched from Cape Canaveral complex 19 piloted by astronauts of Virgil Gus Grissom and John Young the three orbit Jiminy 3 mission tested spacecraft and launch vehicle systems for future long-duration flights how the capsule could be renewed vered in orbit then controlled for re-entry and landing the Gemini program helped set the stage for NASA's future moon landing and 15 years ago on March 22nd 1996
Space shuttle Atlantis launched from the Kennedy Space Center to begin STS 76. It was the first flight of the Spacehab pressurized module to support shuttle Mir dockings and the third link-up between the U.S. spacecraft and the Russian space station. Atlantis also delivered veteran astronaut Shannon Lucid to mere to be the first American woman to live on station and kick off a continuous US presence in space for the next two years. The STS 76 crew was commanded by Kevin Chilton Richard Searfoss was its pilot mission. Specialists were Linda Godwin Michael.
Clifford and Ronald Sega finally NASA television has reached an Internet milestone our YouTube channel now has more than five million views with more than 19 million upload views from everyone at NASA TV thanks for watching as that's this week @nasa for more on these and other stories log on to wwn a cig of