



1
00:00:00,210 --> 00:00:02,530
Targeting the next U.S. launch of astronauts
...

2
00:00:02,530 --> 00:00:05,350
Another successful space station resupply
mission ...

3
00:00:05,350 --> 00:00:10,360
And honoring pilots for National Aviation
Day ... a few of the stories to tell you about

4
00:00:10,360 --> 00:00:13,270
– This Week at NASA!

5
00:00:13,270 --> 00:00:19,380
NASA's SpaceX Crew-1 mission to the International
Space Station is targeted for launch no earlier

6
00:00:19,380 --> 00:00:21,419
than Oct. 23.

7
00:00:21,419 --> 00:00:26,359
NASA certification of SpaceX's crew transportation
system will allow for regular crewed flights

8
00:00:26,359 --> 00:00:31,519
to the station, ending our sole reliance on
Russia for access.

9
00:00:31,519 --> 00:00:36,881
On Aug. 18, the Japan Aerospace Exploration
Agency's HTV-9 cargo spacecraft left the

10
00:00:36,881 --> 00:00:40,250
International Space Station after a three-month
stay.

11
00:00:40,250 --> 00:00:45,920

HTV-9 delivered about four tons of supplies and experiments, including new lithium-ion

12

00:00:45,920 --> 00:00:49,610

batteries used to upgrade power systems.

13

00:00:49,610 --> 00:00:54,930

We celebrated National Aviation Day on Aug. 19 with special recognition of the skills,

14

00:00:54,930 --> 00:00:59,149

abilities and crucial role of pilots and aviators.

15

00:00:59,149 --> 00:01:04,199

The annual observance falls on the birthday of the world's very first pilot of an airplane

16

00:01:04,199 --> 00:01:05,970

– Orville Wright.

17

00:01:05,970 --> 00:01:11,610

Find out more about our groundbreaking aeronautics research at nasa.gov/flight.

18

00:01:11,610 --> 00:01:16,530

The one-of-a-kind engine for NASA's X-59 Quiet Supersonic Technology airplane was delivered

19

00:01:16,530 --> 00:01:21,030

to our Armstrong Flight Research Center in California, where it will be checked out then

20

00:01:21,030 --> 00:01:25,270

sent to nearby Palmdale, California where the plane is being built.

21

00:01:25,270 --> 00:01:29,880

The engine will power the X-59 on missions to gather public reaction to the quieter sonic

22

00:01:29,880 --> 00:01:33,509

booms the aircraft is designed to produce.

23

00:01:33,509 --> 00:01:37,610

Technicians at our Kennedy Space Center in Florida have been busy installing the spacecraft

24

00:01:37,610 --> 00:01:43,009

adapter cone that will connect the Orion spacecraft to the Space Launch System rocket for the

25

00:01:43,009 --> 00:01:45,369

Artemis I mission around the Moon.

26

00:01:45,369 --> 00:01:51,380

This is one of the final major hardware operations for Orion prior to integration with the rocket.

27

00:01:51,380 --> 00:01:57,399

We're celebrating 15 years of our Mars Reconnaissance Orbiter, which has helped reshape our understanding

28

00:01:57,399 --> 00:02:02,340

of the Red Planet and provided a slew of stunning images along the way.

29

00:02:02,340 --> 00:02:08,360

As of early August, just one of the spacecraft's three cameras alone had taken more than 6.8

30

00:02:08,360 --> 00:02:13,920

million images and generated 194 terabytes of data sent from Mars since 2006.

31

00:02:13,920 --> 00:02:16,890

That's what's up this week @NASA ...