1
00:00:00,260 --> 00:00:02,520
Our next Mars rover is on its way …

2
00:00:02,520 --> 00:00:06,970
Preparing for the historic return of a Commercial Crew mission …

3
00:00:06,970 --> 00:00:12,190
And naming the crew for a future mission … a few of the stories to tell you about – This

4
00:00:12,190 --> 00:00:13,950
Week at NASA!

5
00:00:13,950 --> 00:00:18,930
“And liftoff … as the countdown to Mars continues.

6
00:00:18,930 --> 00:00:23,230
The perseverance of humanity launching the next generation of robotic explorers to the

7
00:00:23,230 --> 00:00:24,500
Red Planet.”

8
00:00:24,500 --> 00:00:30,410
On July 30, our Mars 2020 Perseverance rover launched from Cape Canaveral Air Force Station

9
00:00:30,410 --> 00:00:32,230
in Florida.

10
00:00:32,230 --> 00:00:36,550
Perseverance will be our first Mars rover to collect samples from another planet for

11
00:00:36,550 --> 00:00:41,780
future return to Earth, which makes this mission groundbreaking in more ways than one.

12
00:00:41,780 --> 00:00:46,579
“The samples from Mars have potential of
profound change of our understanding in the

13
00:00:46,579 --> 00:00:52,459
origin, evolution and distribution of life
on Earth and elsewhere in the solar system.”

14
00:00:52,459 --> 00:00:57,079
The rover will land in a region of Mars that
provides an excellent opportunity to find

15
00:00:57,079 --> 00:01:01,809
signs of past microbial life – a primary
goal of the mission.

16
00:01:01,809 --> 00:01:07,110
It will also collect important data about
the planet’s geology and climate, and carry

17
00:01:07,110 --> 00:01:12,290
a host of technology – including the first
ever experimental helicopter on Mars.

18
00:01:12,290 --> 00:01:17,280
“We as human beings have never flown a rotorcraft
outside of our own Earth’s atmosphere, so

19
00:01:17,280 --> 00:01:20,900
this will actually be, very much a ‘Wright
Brothers moment’.”

20
00:01:20,900 --> 00:01:25,890
Other instruments, materials and technologies
making the trip will pave the way for future

21
00:01:25,890 --> 00:01:31,980
human missions to Mars, our ultimate goal
and next logical step after sending the first

22
00:01:31,980 --> 00:01:37,350
woman and next man to the Moon in 2024, as
part of our Artemis program.

23
00:01:37,350 --> 00:01:42,510
“It can’t be lost on people at how unique
of an opportunity this is.

24
00:01:42,510 --> 00:01:47,280
If you’re in elementary school today, you
may be in college when we make an amazing

25
00:01:47,280 --> 00:01:53,280
discovery that would transform how we talk
about history and science.”

26
00:01:53,280 --> 00:01:58,120
Astronauts Doug Hurley, Bob Behnken, and Chris
Cassidy held a news conference from the International

27
00:01:58,120 --> 00:02:04,220
Space Station on July 31, in advance of Hurley
and Behnken’s scheduled undocking from the

28
00:02:04,220 --> 00:02:06,110
station and return to Earth.

29
00:02:06,110 --> 00:02:11,200
“It was just an incredible experience and
one that I will absolutely never forget and

30
00:02:11,200 --> 00:02:12,889
I’ll always cherish.”

31
00:02:12,889 --> 00:02:18,430
The historic NASA SpaceX Demo-2 test flight
is the first crewed spaceflight with NASA

32

00:02:18,430 --> 00:02:21,930
astronauts on a privately owned spacecraft.

33
00:02:21,930 --> 00:02:27,269
NASA astronauts Shane Kimbrough and Megan
McArthur will be joined by Japan's Akihiko

34
00:02:27,269 --> 00:02:33,989
Hoshide and European Space Agency astronaut
Thomas Pesquet on Crew-2, the second operational

35
00:02:33,989 --> 00:02:37,829
SpaceX Crew Dragon flight to the International
Space Station.

36
00:02:37,829 --> 00:02:43,140
The mission is currently targeted for launch
in spring 2021.

37
00:02:43,140 --> 00:02:48,359
NASA satellite data showed around 8 inches
of rain in parts of southern Texas and northeastern

38
00:02:48,359 --> 00:02:52,859
Mexico from Hanna, the first Atlantic Hurricane
of the season.

39
00:02:52,859 --> 00:02:58,810
Hanna made landfall in southern Texas as a
Category 1 storm, before eventually weakening

40
00:02:58,810 --> 00:03:01,499
and continuing into Mexico.

41
00:03:01,499 --> 00:03:06,969
Our Hubble Space Telescope has looked back
billions of years in time to help fundamentally

42
00:03:06,969 --> 00:03:09,880
change what we know about the universe.

43
00:03:09,880 --> 00:03:14,709
The latest episode of our “Hubble – Eye
in the Sky” video series – titled, “Time

44
00:03:14,709 --> 00:03:20,340
Machines,” examines how Hubble will work
with the James Webb Space Telescope to revolutionize

45
00:03:20,340 --> 00:03:23,720
our understanding of the universe even further.

46
00:03:23,720 --> 00:03:28,400
You can find the video series and other Hubble
material at nasa.gov/hubble.

47
00:03:28,400 --> 00:03:31,959
That’s what’s up this week @NASA …