1
00:00:00,199 --> 00:00:03,510
The first uncrewed Commercial Crew Flight
Test is complete …

2
00:00:03,510 --> 00:00:05,779
Vice President Pence calls the space station
…

3
00:00:05,779 --> 00:00:12,910
And, the station’s next crew prepares for
launch … a few of the stories to tell you

4
00:00:12,910 --> 00:00:16,020
about – This Week at NASA!

5
00:00:16,020 --> 00:00:20,680
The SpaceX Crew Dragon spacecraft is back
on Earth after successfully completing its

6
00:00:20,680 --> 00:00:24,800
uncrewed Demo-1 flight test to the International
Space Station.

7
00:00:24,800 --> 00:00:31,100
The mission – the inaugural flight of our
Commercial Crew Program, and the first ever

8
00:00:31,100 --> 00:00:35,390
flight to the station of a commercially built
and operated American crew spacecraft and

9
00:00:35,390 --> 00:00:41,079
rocket from American soil – was designed
to test the end-to-end capabilities of SpaceX’s

10
00:00:41,079 --> 00:00:42,079
systems.

11
00:00:42,079 --> 00:00:44,620

“You can see the nose cone – it’s sort
of like a dome.”

12
00:00:44,620 --> 00:00:49,070
Those systems included the Crew Dragon’s
automated control and maneuvering capabilities

13
00:00:49,070 --> 00:00:52,850
– which the spacecraft demonstrated during
its approach to the space station.

14
00:00:52,850 --> 00:00:55,320
“You can actually start to see those three
petals ….”

15
00:00:55,320 --> 00:01:00,829
And systems used to complete the first autonomous
docking of any U.S. spacecraft to the space

16
00:01:00,829 --> 00:01:05,009
station’s new international docking adapter,
which was installed in 2016.

17
00:01:05,009 --> 00:01:06,229
“Soft Capture confirmed … (applause)”

18
00:01:06,229 --> 00:01:13,319
The mission also included a life-like anthropomorphic
test device to collect data about potential

19
00:01:13,319 --> 00:01:17,549
effects to humans on future flights aboard
the Crew Dragon.

20
00:01:17,549 --> 00:01:22,850
After five docked days and transfer of critical
supplies, the spacecraft headed back to Earth,

21
00:01:22,850 --> 00:01:28,000
where it safely came to a parachute-assisted

splashdown in the Atlantic Ocean, off Florida’s

22
00:01:28,000 --> 00:01:29,000
Space Coast.

23
00:01:29,000 --> 00:01:33,850
“It takes, in many cases, decades to achieve
this kind of capability.

24
00:01:33,850 --> 00:01:38,520
This is an amazing achievement in the history
of the United States of America, and it just

25
00:01:38,520 --> 00:01:43,399
really exemplifies what we can achieve when
we maintain that constancy of purpose.”

26
00:01:43,399 --> 00:01:47,959
“Mister Vice President, it’s an honor
to speak with you this evening …”

27
00:01:47,959 --> 00:01:53,310
Vice President Mike Pence visited our headquarters
on March 6, where he and NASA Administrator

28
00:01:53,310 --> 00:01:59,349
Jim Bridenstine talked with Expedition 58
crew members Anne McClain and David Saint-Jacques

29
00:01:59,349 --> 00:02:04,439
onboard the space station about the success
of the Demo-1 mission and the anticipation

30
00:02:04,439 --> 00:02:06,799
of continued success on future missions.

31
00:02:06,799 --> 00:02:10,739
“This was a great week – it was inspiring
to see the launch.

32
00:02:10,739 --> 00:02:18,030
It was actually more inspiring to see the
docking and to see you all open that door

33
00:02:18,030 --> 00:02:25,340
and float into that spacecraft, knowing that
we'll very soon have American astronauts

34
00:02:25,340 --> 00:02:29,379
arriving at the International Space Station
in the same vehicle."

35
00:02:29,379 --> 00:02:34,630
Data from Demo-1, along with planned upgrades
and additional qualification testing, will

36
00:02:34,630 --> 00:02:40,290
be used to further prepare for Demo-2, the
first SpaceX flight test that will carry NASA

37
00:02:40,290 --> 00:02:43,489
astronauts to the International Space Station
this summer.

38
00:02:43,489 --> 00:02:49,909
At the Baikonur Cosmodrome in Kazakhstan,
our Nick Hague, Christina Koch, and Alexey

39
00:02:49,909 --> 00:02:55,630
Ovchinin of Roscosmos took part in final preparations
for their flight to the space station.

40
00:02:55,630 --> 00:03:02,010
The Expedition 59/60 crewmates are targeted
for launch on March 14.

41
00:03:02,010 --> 00:03:05,440
Our Kepler space telescope was retired in
October 2018.

42
00:03:05,440 --> 00:03:10,700
But, the very first planet candidate it discovered
was only just confirmed as a planet – get

43
00:03:10,700 --> 00:03:13,989
this – nearly ten years later.

44
00:03:13,989 --> 00:03:19,510
Kepler-1658b's road to confirmation was
rocky, thanks to a history of anomalous and

45
00:03:19,510 --> 00:03:21,180
inconclusive data.

46
00:03:21,180 --> 00:03:27,590
But a dedicated team of researchers used new
software and spectroscopic data to unambiguously

47
00:03:27,590 --> 00:03:33,310
show it is indeed a planet – in fact, a
gas giant planet known as a "hot Jupiter,"

48
00:03:33,310 --> 00:03:35,560
that orbits very close to its star.

49
00:03:35,560 --> 00:03:42,170
A fitting way to mark the 10th anniversary
of Kepler's launch on March 6, 2009.

50
00:03:42,170 --> 00:03:45,520
That's what's up this week @NASA …