1
00:00:00,190 --> 00:00:03,930
Soyuz crew is safe following a launch anomaly
…

2
00:00:03,930 --> 00:00:07,690
Another major hurricane seen from space …

3
00:00:07,690 --> 00:00:12,639
And testing continues for the rocket engine
that will power us to deep space … a few

4
00:00:12,639 --> 00:00:16,360
of the stories to tell you about – This
Week at NASA!

5
00:00:16,360 --> 00:00:22,000
Shortly after the Oct. 11 launch of a Soyuz
spacecraft carrying our Nick Hague and Russia's

6
00:00:22,000 --> 00:00:27,220
Alexey Ovchinin to the International Space
Station, there was an anomaly with the booster,

7
00:00:27,220 --> 00:00:31,610
and the launch ascent was aborted, resulting
in a ballistic landing of the spacecraft in

8
00:00:31,610 --> 00:00:33,040
Kazakhstan.

9
00:00:33,040 --> 00:00:38,219
Hague and Ovchinin were recovered safely from
the capsule and both are in good condition.

10
00:00:38,219 --> 00:00:42,710
The crew onboard the space station, including
our Serena Auñón-Chancellor, were informed

11
00:00:42,710 --> 00:00:47,100

of the launch abort and are continuing with
normal station operations.

12
00:00:47,100 --> 00:00:52,789
Meanwhile, Russia's Space Agency, Roscosmos
has formed a commission to assess the root

13
00:00:52,789 --> 00:00:58,399
cause of the failure – an investigation
that our administrator, Jim Bridenstine says,

14
00:00:58,399 --> 00:00:59,569
NASA will fully support.

15
00:00:59,569 --> 00:01:05,470
"We want to make sure that when we do launch
again – and I believe we will launch again

16
00:01:05,470 --> 00:01:13,750
on a Soyuz rocket – that we understand what
this anomaly was, that we resolve it and that

17
00:01:13,750 --> 00:01:17,190
together we can launch again and have success."

18
00:01:17,190 --> 00:01:22,590
NASA and the International Space Station partners
also will review upcoming operational schedules,

19
00:01:22,590 --> 00:01:28,040
including the plan for two spacewalks targeted
later in October.

20
00:01:28,040 --> 00:01:33,720
Jim Morhard has been confirmed by the U.S.
Senate to be our 14th Deputy Administrator.

21
00:01:33,720 --> 00:01:38,930
Morhard has previously served as the Senate's
Deputy Sergeant at Arms and as Staff Director

22
00:01:38,930 --> 00:01:41,190
of the Senate Appropriations Committee.

23
00:01:41,190 --> 00:01:46,830
Administrator Bridenstine welcomed him aboard,
noting in a statement that Morhard's legislative

24
00:01:46,830 --> 00:01:51,650
and managerial talents will serve the agency
well.

25
00:01:51,650 --> 00:01:56,810
Cameras outside the space station captured
views of Hurricane Michael on Oct. 9 as it

26
00:01:56,810 --> 00:02:01,620
moved northwest through the Gulf of Mexico
that day as a category 3 storm.

27
00:02:01,620 --> 00:02:06,770
The following day, Michael nearly reached
category 5 status – as it made landfall

28
00:02:06,770 --> 00:02:16,090
near Mexico Beach, in the Florida panhandle,
with winds of about 155 miles per hour.

29
00:02:16,090 --> 00:02:22,220
On Oct. 11, our Stennis Space Center in Mississippi
tested an RS-25 engine, with a 'hot fire'

30
00:02:22,220 --> 00:02:25,670
of 500 seconds – that's over 8 minutes.

31
00:02:25,670 --> 00:02:30,640
The test – the fourth in a series that will
extend into next year – featured an acceptance

32

00:02:30,640 --> 00:02:36,140
test of an RS-25 engine controller, for use
on a future flight of our new Space Launch

33
00:02:36,140 --> 00:02:38,450
System or SLS rocket.

34
00:02:38,450 --> 00:02:45,569
SLS will use four RS-25s to launch astronauts
in our Orion spacecraft to deep space destinations,

35
00:02:45,569 --> 00:02:50,250
including to the vicinity of the Moon and
Mars.

36
00:02:50,250 --> 00:02:55,350
Our Hubble Space Telescope remains in safe
mode following the recent failure of one of

37
00:02:55,350 --> 00:03:01,440
the telescope's three gyroscopes that was
actively being used to point and steady Hubble.

38
00:03:01,440 --> 00:03:06,650
Safe mode puts the telescope into a stable
configuration until ground control can correct

39
00:03:06,650 --> 00:03:10,160
the issue and return the mission to normal
operation.

40
00:03:10,160 --> 00:03:15,750
Hubble's instruments still are fully operational
and are expected to produce excellent science

41
00:03:15,750 --> 00:03:18,580
for years to come.

42
00:03:18,580 --> 00:03:23,650
During an Oct. 11 event at the Smithsonian

National Air and Space Museum in Washington,

43
00:03:23,650 --> 00:03:29,940
D.C., the U.S. Mint unveiled the winning design
for a series of commemorative coins to recognize

44
00:03:29,940 --> 00:03:35,510
the upcoming 50th anniversary of the Apollo
11 mission’s historic landing on the Moon.

45
00:03:35,510 --> 00:03:42,270
July 20, 2019 will mark fifty years since
astronauts Neil Armstrong and Buzz Aldrin

46
00:03:42,270 --> 00:03:46,640
descended to the lunar surface, while crewmate
Michael Collins orbited above.

47
00:03:46,640 --> 00:03:52,240
Then Armstrong, followed by Aldrin became
the first humans to set foot on a celestial

48
00:03:52,240 --> 00:03:53,910
body other than Earth.

49
00:03:53,910 --> 00:03:57,450
That’s what’s up this week @NASA …