H2O TANK-0004
O2 TANK-0008

1
00:00:00,210 --> 00:00:03,330
Spacewalkers resume battery upgrades aboard the space station …

2
00:00:03,330 --> 00:00:08,340
A post-flight visit from a couple of recently returned space station astronauts …

3
00:00:08,340 --> 00:00:14,170
And a key piece of SLS hardware moves closer to a critical test series … a few of the

4
00:00:14,170 --> 00:00:17,220
stories to tell you about – This Week at NASA!

5
00:00:17,220 --> 00:00:22,239
On Jan. 15 our Jessica Meir and Christina Koch ventured outside the International Space

6
00:00:22,239 --> 00:00:26,919
Station for a spacewalk – the first of two they will conduct this month to complete the

7
00:00:26,919 --> 00:00:30,210
battery upgrades started on the station last year.

8
00:00:30,210 --> 00:00:34,789
Meir and Koch are scheduled to be back outside the station on Jan. 20.

9
00:00:34,789 --> 00:00:41,621
Then, if all goes as planned, on Jan. 25 our Andrew Morgan and Luca Parmitano of ESA are

10
00:00:41,621 --> 00:00:45,440
expected to conduct the station’s third spacewalk this month.

11
00:00:45,440 --> 00:00:50,149
On that outing the pair will finish the installation
of the Alpha Magnetic Spectrometer’s new

12
00:00:50,149 --> 00:00:53,539
cooling equipment that began late last year.

13
00:00:53,539 --> 00:00:57,839
Former space station crewmembers Anne McClain
and Nick Hague were in the Washington, D.C.

14
00:00:57,839 --> 00:01:03,179
area for several post-flight appearances;
including a short presentation for employees

15
00:01:03,179 --> 00:01:04,750
at NASA Headquarters.

16
00:01:04,750 --> 00:01:08,759
The pair also appeared on a segment of the
Smithsonian National Air and Space Museum’s

17
00:01:08,759 --> 00:01:10,460
“What’s New in Aerospace.”

18
00:01:10,460 --> 00:01:16,579
McClain and Hague spent more than six months
in space, and conducted a combined five spacewalks.

19
00:01:16,579 --> 00:01:21,280
The first Space Launch System rocket core
stage for our Artemis program arrived at our

20
00:01:21,280 --> 00:01:26,950
Stennis Space Center in Mississippi on Jan.
12 aboard the agency’s Pegasus barge.

21
00:01:26,950 --> 00:01:31,750
Engineers there will use the center’s B-2

Test Stand to conduct a series of integrated

22
00:01:31,750 --> 00:01:37,479
tests with the core stage known as the Green Run Test series, to verify that it is ready

23
00:01:37,479 --> 00:01:42,220
for launch ahead of our uncrewed Artemis 1 mission around the Moon and back.

24
00:01:42,220 --> 00:01:47,390
We released new imagery of a test at our Glenn Research Center with VIPER; the mobile lunar

25
00:01:47,390 --> 00:01:51,850
robot being developed to search for water ice at the Moon’s South Pole.

26
00:01:51,850 --> 00:01:55,820
The golf-cart sized rover will be delivered to the Moon through our Commercial Lunar Payload

27
00:01:55,820 --> 00:02:01,899
Services initiative, before we land the first woman and next man on the Moon in 2024.

28
00:02:01,899 --> 00:02:06,750
On Jan. 15, NASA and the National Oceanic and Atmospheric Administration provided the

29
00:02:06,750 --> 00:02:09,410
annual release of global temperature data.

30
00:02:09,410 --> 00:02:14,810
Independent analyses by both agencies found that Earth's global surface temperatures in

31
00:02:14,810 --> 00:02:20,200
2019 ranked second warmest only to those of 2016, and continued the planet's long-term

32
00:02:20,200 --> 00:02:25,700
warming trend: The past five years have been
the warmest years on record since modern recordkeeping

33
00:02:25,700 --> 00:02:27,530
began in 1880.

34
00:02:27,530 --> 00:02:32,250
NASA uses the unique vantage point of space
to observe Earth and to better understand

35
00:02:32,250 --> 00:02:34,410
the processes that affect our home planet.

36
00:02:34,410 --> 00:02:36,870
That’s what’s up this week @NASA …