
TW@N
THIS WEEK @ NASA

1
00:00:00,170 --> 00:00:02,950
Spacewalking astronauts work outside the space station …

2
00:00:02,950 --> 00:00:05,650
NASA’s new deputy administrator is sworn-in …

3
00:00:05,650 --> 00:00:10,360
And putting another piece of our Artemis I Moon rocket in place … a few of the stories

4
00:00:10,360 --> 00:00:13,970
to tell you about – This Week at NASA!

5
00:00:13,970 --> 00:00:19,160
On June 25, astronauts Shane Kimbrough of NASA and Thomas Pesquet of the European Space

6
00:00:19,160 --> 00:00:24,380
Agency conducted the third spacewalk in 10 days outside the International Space Station.

7
00:00:24,380 --> 00:00:30,029
The pair worked to install and deploy the second of six new ISS Roll-Out Solar Arrays

8
00:00:30,029 --> 00:00:31,029
(iROSA).

9
00:00:31,029 --> 00:00:35,620
The arrays will help increase the station’s total available power and are the same solar

10
00:00:35,620 --> 00:00:41,020
array design that will power elements of the agency’s Gateway lunar-orbiting outpost.

11
00:00:41,020 --> 00:00:43,789

“I, Pamela Ann Melroy.”

12
00:00:43,789 --> 00:00:49,909
On June 21, former astronaut Pam Melroy took
office as NASA’s new Deputy Administrator,

13
00:00:49,909 --> 00:00:55,799
after being given the oath of office by Administrator
Bill Nelson in a ceremony at our Mary W. Jackson

14
00:00:55,799 --> 00:00:58,309
NASA Headquarters building in Washington.

15
00:00:58,309 --> 00:01:04,479
“I’m very honored to be teamed with Administrator
Nelson and our Associate Administrator Bob

16
00:01:04,479 --> 00:01:07,219
Cabana and the rest of the broader team.

17
00:01:07,219 --> 00:01:13,250
It’s our intention, I believe to not just
lead today’s NASA, but also lead us forward

18
00:01:13,250 --> 00:01:20,619
into the future and support the generations
of fantastic things that NASA will continue

19
00:01:20,619 --> 00:01:21,619
to do.”

20
00:01:21,619 --> 00:01:30,200
“What a grand occasion for us and what an
appropriate nominee, now confirmed.

21
00:01:30,200 --> 00:01:40,789
And so we’ve got someone that is extremely
skilled, experienced and ready for this job.”

22

00:01:40,789 --> 00:01:45,520
Melroy was nominated in April by President
Biden and confirmed by the Senate on June

23
00:01:45,520 --> 00:01:46,520
17.

24
00:01:46,520 --> 00:01:51,030
She is one of only two women to command a
space shuttle and logged more than 38 days

25
00:01:51,030 --> 00:01:53,119
in space as an astronaut.

26
00:01:53,119 --> 00:01:57,899
Workers at our Kennedy Space Center have stacked
the launch vehicle stage adapter atop the

27
00:01:57,899 --> 00:02:03,189
Space Launch System or SLS rocket's core
stage, ahead of the uncrewed Artemis I Moon

28
00:02:03,189 --> 00:02:05,689
mission targeted for later this year.

29
00:02:05,689 --> 00:02:10,069
The cone shaped adapter connects the core
stage and the interim cryogenic propulsion

30
00:02:10,069 --> 00:02:15,459
stage (ICPS), which provides the Orion spacecraft
with the additional thrust needed to travel

31
00:02:15,459 --> 00:02:17,840
tens of thousands of miles beyond the Moon.

32
00:02:17,840 --> 00:02:23,530
Artemis I is the first integrated test of
Orion and SLS ahead of missions to the Moon

33
00:02:23,530 --> 00:02:25,310
with astronauts.

34
00:02:25,310 --> 00:02:30,860
After several months of check-outs and calibrations
following its launch last November, the ocean-observing

35
00:02:30,860 --> 00:02:35,810
Sentinel-6 Michael Freilich satellite made
its first science data available to the public

36
00:02:35,810 --> 00:02:37,540
on June 22.

37
00:02:37,540 --> 00:02:42,260
The satellite is a U.S.-European collaboration
to measure sea surface height and other key

38
00:02:42,260 --> 00:02:47,840
ocean features, such as ocean surface wind
speed and wave height, and is part of a series

39
00:02:47,840 --> 00:02:53,680
of satellites that has been gathering precise
ocean height measurements for nearly 30 years.

40
00:02:53,680 --> 00:02:58,340
Cooperative agreements and funding have been
awarded to 10 minority-serving institutions

41
00:02:58,340 --> 00:03:03,140
with projects that support NASA’s effort
to better understand the role of oceans in

42
00:03:03,140 --> 00:03:04,700
the Earth system.

43
00:03:04,700 --> 00:03:09,510
The awards are through NASA’s Minority University

Research and Education Project (MUREP), part

44
00:03:09,510 --> 00:03:12,239
of the agency's Office of STEM Engagement.

45
00:03:12,239 --> 00:03:17,500
It supports the training and development of
students and faculty at minority-serving institutions

46
00:03:17,500 --> 00:03:18,560
in STEM fields.