
TW@N
THIS WEEK @ NASA

1
00:00:01,201 --> 00:00:03,737
Positioning the agency
for future success …

2
00:00:03,737 --> 00:00:06,973
A lunar landing site selected
for a robotic explorer …

3
00:00:06,973 --> 00:00:09,042
And highlighting diversity on the Moon ...

4
00:00:09,042 --> 00:00:12,846
a few of the stories to tell you about –
This Week at NASA!

5
00:00:14,714 --> 00:00:19,586
On Sept. 21, NASA Administrator Bill Nelson
and other senior officials

6
00:00:19,819 --> 00:00:23,123
hosted an agency town
hall from our Mary W. Jackson

7
00:00:23,123 --> 00:00:26,526
NASA Headquarters building
in Washington to announce that …

8
00:00:26,526 --> 00:00:32,732
Going forward, we will reorganize the agency's
human spaceflight programs

9
00:00:33,099 --> 00:00:36,603
into two separate mission directorates.

10
00:00:37,037 --> 00:00:39,839
Kathy Lueders will serve as associate
administrator of

11
00:00:39,839 --> 00:00:41,975

the new Space Operations Mission Directorate,

12
00:00:41,975 --> 00:00:45,545
which will focus on launch and space
operations in low-Earth orbit,

13
00:00:45,812 --> 00:00:48,848
including commercialization,
the International Space Station,

14
00:00:48,848 --> 00:00:51,518
and eventually, operations on
and around the Moon.

15
00:00:52,052 --> 00:00:56,322
Meanwhile, Jim Free returns to the agency
to serve as associate administrator

16
00:00:56,322 --> 00:00:59,459
of the new Exploration Systems
Development Mission Directorate.

17
00:00:59,459 --> 00:01:06,466
Exploration Systems
Development will focus on what comes next.

18
00:01:08,234 --> 00:01:14,140
Both mission directorates are engineering
the future of our Moon to Mars

19
00:01:14,140 --> 00:01:19,479
exploration approach from different ends
of the spaceflight continuum.

20
00:01:19,712 --> 00:01:22,148
Creating these two
separate mission directorates …

21
00:01:22,148 --> 00:01:25,351
is about the future of space exploration.

22
00:01:25,985 --> 00:01:29,989
It’s about setting up
NASA for success.

23
00:01:29,989 --> 00:01:32,459
NASA will implement
these new mission directorates

24
00:01:32,459 --> 00:01:36,362
over the next several months,
while remaining focused on the safety

25
00:01:36,496 --> 00:01:40,800
of ongoing operations for commercial crew
and upcoming Artemis missions.

26
00:01:42,268 --> 00:01:45,271
We have selected
the region just outside the western edge

27
00:01:45,271 --> 00:01:50,343
of Nobile Crater at the Moon’s South Pole
as the landing site for our Volatiles

28
00:01:50,343 --> 00:01:53,780
Investigating Polar Exploration
Rover, or VIPER, mission.

29
00:01:54,247 --> 00:01:57,550
The robotic rover will be delivered
to the Moon in 2023

30
00:01:57,550 --> 00:02:00,220
through our Commercial Lunar
Payload Services initiative.

31
00:02:00,687 --> 00:02:04,657
VIPER will map and explore
this region for water and other resources.

32
00:02:05,058 --> 00:02:09,529
The mission will provide further insight
into our Moon's cosmic origin, evolution,

33
00:02:09,529 --> 00:02:14,701
and history, and also help inform future
Artemis missions to the Moon and beyond.

34
00:02:16,436 --> 00:02:21,174
The International Astronomical Union has
accepted the proposal of a summer intern

35
00:02:21,174 --> 00:02:26,146
in a NASA-affiliated program
to name a crater at the Moon's south pole

36
00:02:26,346 --> 00:02:30,984
after arctic explorer
Matthew Henson, a Black man who in 1909

37
00:02:31,184 --> 00:02:34,387
was one of the first people
to make it to the north pole on Earth.

38
00:02:34,821 --> 00:02:38,491
The Moon's south pole is also the region
in which NASA will land

39
00:02:38,491 --> 00:02:42,462
the next humans on the lunar surface
as part of our Artemis program.

40
00:02:42,896 --> 00:02:45,932
Artemis will send a diverse group
of astronauts to the Moon,

41
00:02:46,065 --> 00:02:47,600
including the first woman

42
00:02:47,600 --> 00:02:49,302
and the first person of color.

43
00:02:50,637 --> 00:02:53,773
The launch of the joint NASA and U.S.
Geological Survey

44
00:02:53,773 --> 00:02:57,810
Landsat 9 satellite mission is targeted
for Sept. 27

45
00:02:57,810 --> 00:03:00,446
from California's Vandenberg Space Force Base.

46
00:03:01,014 --> 00:03:04,751
Data from the satellite will be added
to Landsat's nearly 50-year,

47
00:03:04,751 --> 00:03:09,856
free and publicly available data record
of Earth's landscapes taken from space

48
00:03:10,156 --> 00:03:13,126
and will continue the program's
critical role in monitoring

49
00:03:13,126 --> 00:03:16,663
the health of Earth and helping
people manage essential resources.

50
00:03:18,464 --> 00:03:22,869
The Moon to Mars Ice and Prospecting
Challenge, near our Langley Research

51
00:03:22,869 --> 00:03:27,307
Center in Hampton, Va., provided
an opportunity for student teams from U.S.

52
00:03:27,307 --> 00:03:32,612

universities to devise revolutionary
technologies and methods to drill into

53
00:03:32,612 --> 00:03:37,250
and extract water from simulated lunar
and Martian subsurface ice stations.

54
00:03:37,750 --> 00:03:40,386
The challenge is part of a NASA
effort to enable

55
00:03:40,386 --> 00:03:44,290
a sustained human presence on other worlds
by potentially making

56
00:03:44,290 --> 00:03:46,926
use of the available resources
on those worlds.

57
00:03:47,794 --> 00:03:50,964
That’s what’s up this week
@NASA … For more on these