
MTS
CAUTION

1
00:00:00,000 --> 00:00:04,150
“Here’s some of the stories trending This
Week at NASA!”

2
00:00:04,150 --> 00:00:10,309
NASA’s Curiosity rover is making an unscheduled
stop on its way up Mount Sharp on Mars, for

3
00:00:10,309 --> 00:00:16,199
a close-up look at a collection of actively
moving sand dunes. Images from orbit indicate

4
00:00:16,199 --> 00:00:22,029
that the Bagnold Dunes are migrating as much
as about 3 feet per Earth year, and includes

5
00:00:22,029 --> 00:00:27,900
one particular dune that is about two-stories
high and as broad as a football field. Researchers

6
00:00:27,900 --> 00:00:33,690
plan to have the rover take samples for analysis.
No active dunes have ever been visited anywhere

7
00:00:33,690 --> 00:00:37,620
else in the solar system besides Earth.

8
00:00:37,620 --> 00:00:42,170
Technicians at NASA’s Michoud Assembly Facility
in New Orleans have finished welding three

9
00:00:42,170 --> 00:00:47,059
cone panels to the pressure vessel of the
Orion spacecraft crew module that will fly

10
00:00:47,059 --> 00:00:52,920
beyond the moon on Exploration Mission-1.
The pressure vessel, which holds an atmosphere

11

00:00:52,920 --> 00:00:58,129
inside the crew module so astronauts can breathe,
is made of seven large aluminum pieces that

12
00:00:58,129 --> 00:01:03,530
must be welded together in detailed fashion.
When the remaining pieces are welded on, it

13
00:01:03,530 --> 00:01:08,460
will be shipped to the Kennedy Space Center
in Florida, for processing and final preparations

14
00:01:08,460 --> 00:01:11,549
for its launch atop NASA's Space Launch
System rocket.

15
00:01:11,549 --> 00:01:17,390
At the Kennedy Space Center, preparations
continue for the Dec. 3 launch of Orbital

16
00:01:17,390 --> 00:01:22,630
ATK's enhanced Cygnus spacecraft to the
International Space Station. This will be

17
00:01:22,630 --> 00:01:28,610
the first flight of the enhanced Cygnus, which
can transport more than 7,000 pounds of cargo.

18
00:01:28,610 --> 00:01:33,280
It will also be the first time a United Launch
Alliance Atlas V rocket is used to launch

19
00:01:33,280 --> 00:01:38,400
a payload to the space station. Cygnus will
deliver an array of food, experiments and

20
00:01:38,400 --> 00:01:40,759
supplies for the crew aboard the station.

21
00:01:40,759 --> 00:01:46,509

The cargo delivered to the space station by
the enhanced Cygnus will also include the

22
00:01:46,509 --> 00:01:53,750
first CubeSat launched into space by an elementary
school. The STMSat-1 is a CubeSat built by

23
00:01:53,750 --> 00:01:58,729
students at St. Thomas More Cathedral School
in Arlington, Virginia, and is designed to

24
00:01:58,729 --> 00:02:03,869
capture and transmit images of Earth back
to ground stations at St. Thomas More and

25
00:02:03,869 --> 00:02:09,550
other schools around the country. The project
has been supported by NASA engineer Joe Pellegrino,

26
00:02:09,550 --> 00:02:13,239
from NASA's Goddard Space Flight Center.

27
00:02:13,239 --> 00:02:17,830
Engineers working near Cape Canaveral Air
Force Station, Florida, continue to make progress

28
00:02:17,830 --> 00:02:22,959
on assembly of hardware for the new Commercial
Crew Access Tower. Recently, the tower's

29
00:02:22,959 --> 00:02:27,989
White Room was connected to the Crew Access
Arm. Astronauts will walk across the access

30
00:02:27,989 --> 00:02:34,140
arm and through the White Room to enter Boeing's
CST-100 Starliner spacecraft prior to future

31
00:02:34,140 --> 00:02:39,510
launches. The two components will be tested

extensively before being trucked to Cape Canaveral

32
00:02:39,510 --> 00:02:45,800
and installed onto the crew access tower in
the summer of 2016.

33
00:02:45,800 --> 00:02:50,940
The recent Houston Cinema Arts Festival featured
the awards ceremony for the first CineSpace

34
00:02:50,940 --> 00:02:57,030
film competition. A partnership between NASA
and the Houston Cinema Arts Society, the competition

35
00:02:57,030 --> 00:03:02,830
gave filmmakers around the world a chance
to share works inspired by and using actual

36
00:03:02,830 --> 00:03:10,060
NASA imagery. Astronaut Don Pettit presented
the top 16 entries out of about 194 submitted

37
00:03:10,060 --> 00:03:13,239
from 22 countries and 32 U.S. states.

38
00:03:13,239 --> 00:03:16,670
And that’s what’s up this week @NASA …