1
00:00:00,880 --> 00:00:05,170
“Here’s some of the stories trending This
Week at NASA!”

2
00:00:05,170 --> 00:00:10,269
New data reveal that the interstellar asteroid
that recently zipped through our solar system

3
00:00:10,269 --> 00:00:14,610
is rocky, cigar-shaped, and has a somewhat
reddish hue.

4
00:00:14,610 --> 00:00:20,429
It’s the first confirmed object from another
star observed in our solar system, and was

5
00:00:20,429 --> 00:00:27,810
discovered Oct. 19 by the University of Hawaii’s
Pan-STARRS1 telescope team, funded by NASA’s

6
00:00:27,810 --> 00:00:30,519
Near-Earth Object Observations Program.

7
00:00:30,519 --> 00:00:34,710
The telescope team named it ‘Oumuamua (oh
MOO-uh MOO-uh) – Hawaiian for “a messenger

8
00:00:34,710 --> 00:00:37,210
from afar arriving first.”

9
00:00:37,210 --> 00:00:43,030
The unusually-shaped asteroid, which is up
to a quarter mile long and perhaps 10 times

10
00:00:43,030 --> 00:00:50,519
as long as it is wide, may provide new clues
into how other solar systems formed.

11
00:00:50,519 --> 00:00:56,480

“… And liftoff of Delta II and NOAA's
Joint Polar Satellite System-1.”

12
00:00:56,480 --> 00:01:01,620
NASA and the National Oceanic and Atmospheric
Administration launched NOAA’s Joint Polar

13
00:01:01,620 --> 00:01:09,320
Satellite System-1, or JPSS-1, from Vandenberg
Air Force Base in California on Saturday,

14
00:01:09,320 --> 00:01:11,200
November 18.

15
00:01:11,200 --> 00:01:18,070
JPSS-1 is designed to improve the accuracy
of weather forecasts out to seven days – using

16
00:01:18,070 --> 00:01:24,250
the most advanced technology NOAA has ever
flown in a polar-orbiting satellite to capture

17
00:01:24,250 --> 00:01:31,149
more precise observations than ever of our
atmosphere, land and waters.

18
00:01:31,149 --> 00:01:36,321
Our James Webb Space Telescope recently completed
its final phase of cryogenic testing at our

19
00:01:36,321 --> 00:01:41,479
Johnson Space Center in Houston – a significant
milestone in the telescope’s journey to

20
00:01:41,479 --> 00:01:43,499
the launch pad.

21
00:01:43,499 --> 00:01:49,529
Expected to launch in 2019, Webb will study
every phase in the history of our Universe,

22
00:01:49,529 --> 00:01:53,340
starting with the first luminous glows following
the Big Bang.

23
00:01:53,340 --> 00:01:59,579
The nearly 100 days of tests inside Johnson’s
historic Chamber A vacuum facility was designed

24
00:01:59,579 --> 00:02:05,349
to ensure the telescope functioned as expected
in an extremely cold, airless environment

25
00:02:05,349 --> 00:02:08,770
akin to that of space.

26
00:02:08,770 --> 00:02:14,620
Dark features on Mars previously thought to
be evidence for subsurface flowing of water,

27
00:02:14,620 --> 00:02:20,500
may actually be caused by flowing grains of
sand and dust slipping downhill, according

28
00:02:20,500 --> 00:02:26,430
to new research published Nov. 20 in the journal
Nature Geoscience.

29
00:02:26,430 --> 00:02:32,810
These features, called "recurring slope lineae"
or RSL, have evoked fascination and controversy

30
00:02:32,810 --> 00:02:39,480
since their 2011 discovery, as possible markers
for unexpected liquid water or brine on an

31
00:02:39,480 --> 00:02:41,990
otherwise dry planet.

32

00:02:41,990 --> 00:02:47,430
Evidence still suggests there are large deposits
of water ice under the Martian surface…but

33
00:02:47,430 --> 00:02:52,490
not likely at or near the surface of the Red
Planet.

34
00:02:52,490 --> 00:02:56,340
Astronauts aboard the International Space
Station shared a traditional Thanksgiving

35
00:02:56,340 --> 00:02:59,520
meal in their unique home away from home.

36
00:02:59,520 --> 00:03:03,170
"Got some -- mashed potatoes, are always good
for Thanksgiving.

37
00:03:03,170 --> 00:03:07,622
Uh, Joe's got some -- I think some turkey
(Gotta have some turkey).

38
00:03:07,622 --> 00:03:14,460
Paolo's -- Cornbread dressing, and Sabo's
got the candied yams. (6:56) And so these

39
00:03:14,460 --> 00:03:18,270
are all things that remind us a little bit
of home and kind of traditional."

40
00:03:18,270 --> 00:03:23,911
Though far away from their families back on
Earth, they shared their special meal in an

41
00:03:23,911 --> 00:03:25,930
extraordinarily special place.

42
00:03:25,930 --> 00:03:27,450
"Happy Thanksgiving."

43
00:03:27,450 --> 00:03:31,320
And that’s what’s up this week @NASA …