
APOLLO
40
YEARS

1
00:00:00,770 --> 00:00:05,160
“Here’s some of the stories trending This
Week at NASA!”

2
00:00:05,160 --> 00:00:10,440
An Orbital ATK Cygnus cargo spacecraft arrived
at the International Space Station on Nov.

3
00:00:10,440 --> 00:00:16,260
14, carrying about 7,400 pounds of supplies,
and science and research materials.

4
00:00:16,260 --> 00:00:21,720
The Cygnus – named after late NASA astronaut
Eugene Cernan – was launched two days earlier

5
00:00:21,720 --> 00:00:24,970
from our Wallops Flight Facility in Virginia.

6
00:00:24,970 --> 00:00:30,090
Cygnus also carried several small satellites
designed to conduct technology demonstrations

7
00:00:30,090 --> 00:00:36,739
of laser communication, research on the effects
of microgravity on bacterial antibiotic resistance,

8
00:00:36,739 --> 00:00:40,440
and a variety of other studies.

9
00:00:40,440 --> 00:00:45,120
Sierra Nevada Corporation’s Dream Chaser
spacecraft completed a successful free-flight

10
00:00:45,120 --> 00:00:50,829
test on November 11 at our Armstrong Flight
Research Center, in Edwards, California.

11
00:00:50,829 --> 00:00:55,510

The Dream Chaser is preparing to deliver cargo
to the International Space Station beginning

12
00:00:55,510 --> 00:00:58,310
in 2019.

13
00:00:58,310 --> 00:01:03,180
Our engineers are studying footage from the
first test of the Advanced Supersonic Parachute

14
00:01:03,180 --> 00:01:08,580
Inflation Research Experiment, or ASPIRE,
which took place at our Wallops Flight Facility

15
00:01:08,580 --> 00:01:10,069
in Virginia.

16
00:01:10,069 --> 00:01:14,830
It is the first footage of this special parachute
system opening at supersonic speeds.

17
00:01:14,830 --> 00:01:20,719
The system will help our Mars 2020 mission
land safely – slowing the spacecraft down

18
00:01:20,719 --> 00:01:25,459
as it enters the Martian atmosphere at over
12,000 mph.

19
00:01:25,459 --> 00:01:31,229
The next ASPIRE test is planned for February
2018.

20
00:01:31,229 --> 00:01:34,689
Our new “Gravity Assist” podcast debuted
on Nov. 15.

21
00:01:34,689 --> 00:01:39,049
“And then you’ve got the temperature and
pressure of Mars.”

22
00:01:39,049 --> 00:01:44,720
Hosted by Dr. Jim Green, NASA's director
of planetary science, the weekly podcast is

23
00:01:44,720 --> 00:01:50,189
a virtual tour of the solar system and beyond,
with some of the top scientists in the world

24
00:01:50,189 --> 00:01:51,679
as your guides.

25
00:01:51,679 --> 00:01:56,499
The first episode is part of a special 10-part
series on the solar system – starting with

26
00:01:56,499 --> 00:02:00,280
the Sun, and moving outward to Pluto and beyond.

27
00:02:00,280 --> 00:02:07,359
Gravity Assist is available on iTunes, SoundCloud,
and via RSS feed.

28
00:02:07,359 --> 00:02:09,420
And that's what's up this week @NASA …