



1

00:00:00,060 --> 00:00:02,820

Another successful parachute test for Orion

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00:00:02,820 --> 00:00:07,330

How we're getting back to the Moon ...

3

00:00:07,330 --> 00:00:13,530

And an Apollo 11 virtual experience ... a few of the stories to tell you about – This

4

00:00:13,530 --> 00:00:16,470

Week at NASA!

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00:00:16,470 --> 00:00:21,270

We successfully tested our Orion spacecraft's parachute system recently at the U.S. Army

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00:00:21,270 --> 00:00:23,509

Proving Ground in Yuma, Arizona.

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00:00:23,509 --> 00:00:29,009

It's the seventh in a series of eight tests to certify the parachutes for missions with

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00:00:29,009 --> 00:00:30,009

astronauts.

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00:00:30,009 --> 00:00:35,210

Meanwhile, another milestone for the program in Houston – the mock crew module for use

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00:00:35,210 --> 00:00:39,970

in the upcoming Ascent Abort-2 test was powered on for the first time.

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00:00:39,970 --> 00:00:47,140

Ascent Abort-2 is a full-stress test of Orion's Launch Abort System planned for April 2019.

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00:00:47,140 --> 00:00:51,710

"In case you hadn't heard, NASA is going back to the Moon."

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00:00:51,710 --> 00:00:57,720

A new vertical video on our Instagram takes you behind the scenes to show five ways we're

14

00:00:57,720 --> 00:01:02,760

working to get astronauts back to the Moon, in preparation for missions even farther into

15

00:01:02,760 --> 00:01:04,290

the solar system.

16

00:01:04,290 --> 00:01:09,369

To learn more about our Moon and the agency's exploration campaign to return to the lunar

17

00:01:09,369 --> 00:01:13,869

surface and eventually send humans to Mars, go to nasa.gov/moontomars.

18

00:01:13,869 --> 00:01:18,090

"Houston, Tranquility Base here.

19

00:01:18,090 --> 00:01:22,130

The Eagle has landed."

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00:01:22,130 --> 00:01:27,539

July 20 marks the 49th anniversary of Apollo 11's historic landing on the Moon.

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00:01:27,539 --> 00:01:35,450

"That's one small step for (a) man, one giant leap for mankind."

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00:01:35,450 --> 00:01:40,909

Earlier this year, our Spinoff publication highlighted “Apollo 11 VR”, a virtual

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00:01:40,909 --> 00:01:43,780
experience made with NASA data.

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00:01:43,780 --> 00:01:47,590
To mark the anniversary, here’s a look at it in action.

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00:01:47,590 --> 00:01:53,369
Immersive VR Education, a virtual reality based education company, created “Apollo

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00:01:53,369 --> 00:01:54,549
11 VR.”

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00:01:54,549 --> 00:01:59,859
The company used the trove of online NASA data, audio and visual files from the Apollo

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00:01:59,859 --> 00:02:06,569
missions to recreate the sights and sounds of the first Moon landing, in authentic detail.

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00:02:06,569 --> 00:02:11,730
Developers also worked with Apollo 16 astronaut Charlie Duke, who tested an early version

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00:02:11,730 --> 00:02:16,319
and helped improve the accuracy of the control panel for the final release.

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00:02:16,319 --> 00:02:22,099
“Apollo 11 VR” is one of the many NASA Spinoff products developed as a result of

32

00:02:22,099 --> 00:02:28,270
the agency’s long history of transferring technology to the private sector.

33
00:02:28,270 --> 00:02:33,930
The SOFIA flying telescope completed seven weeks of celestial observations from Christchurch,

34
00:02:33,930 --> 00:02:35,450
New Zealand.

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00:02:35,450 --> 00:02:40,189
This deployment marked the first time the observatory's instrument that studies celestial

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00:02:40,189 --> 00:02:44,270
magnetic fields was used in the Southern Hemisphere.

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00:02:44,270 --> 00:02:50,250
The research could help astronomers better understand how magnetic fields affect processes

38
00:02:50,250 --> 00:02:55,689
that occur at the center of the galaxy and around newly-forming stars.

39
00:02:55,689 --> 00:02:59,650
Observations made during the flights included the black hole at the center of our Milky

40
00:02:59,650 --> 00:03:04,280
Way Galaxy, the Tarantula Nebula, Supernovae, and more.

41
00:03:04,280 --> 00:03:08,090
That's what's up this week @NASA ...