



1  
00:00:01,080 --> 00:00:07,140  
Music

2  
00:00:07,140 --> 00:00:08,790  
Lori Garver, NASA Deputy Administrator: Today, NASA and Kennedy Space Center are

3  
00:00:08,790 --> 00:00:14,100  
again lifting our sights and lifting our spirits to new heights.

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00:00:14,100 --> 00:00:17,470  
NARRATOR: The first Orion spacecraft destined for orbit arrived at

5  
00:00:17,470 --> 00:00:24,090  
NASA's Kennedy Space Center in Florida to begin processing for a flight test in 2014.

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00:00:24,090 --> 00:00:30,810  
The flight test, called Exploration Flight Test-1 or EFT-1, will not carry any people into

7  
00:00:30,810 --> 00:00:33,000  
space during the mission.

8  
00:00:33,000 --> 00:00:37,870  
Instead, it will be loaded with a wide variety of instruments to evaluate how it behaves

9  
00:00:37,870 --> 00:00:46,500  
during launch, in the vacuum of space and the through the searing heat of reentry.

10  
00:00:46,500 --> 00:00:52,590  
Later Orion spacecraft will take astronauts far beyond Earth on missions to an asteroid,

11  
00:00:52,590 --> 00:00:56,190  
the moon and perhaps even Mars.

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00:00:56,190 --> 00:00:59,530  
Senator Bill Nelson, Florida: Ladies and Gentlemen, we're going to Mars!

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00:00:59,530 --> 00:01:05,780

We know that the Orion capsule is a critical part of the system

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00:01:05,780 --> 00:01:09,500  
that is going to take us there.

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00:01:09,500 --> 00:01:12,360  
And so, we're working on it.

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00:01:12,360 --> 00:01:15,910  
NARRATOR: For now, though, all attention is focused on completing the assembly

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00:01:15,910 --> 00:01:18,330  
of this Orion.

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00:01:18,330 --> 00:01:21,440  
The work will take place in the Operations and Checkout Building at

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00:01:21,440 --> 00:01:25,160  
NASA's Kennedy Space Center in Florida.

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00:01:25,160 --> 00:01:31,200  
Refurbished extensively in 2006, the high bay at the O&C has been outfitted with large

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00:01:31,200 --> 00:01:37,150  
fixtures and tooling to turn the aluminum shell of Orion into a functioning spacecraft

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00:01:37,150 --> 00:01:42,550  
complete with avionics, instrumentation and the heat shield.

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00:01:42,550 --> 00:01:48,010  
A Delta IV Heavy rocket from United Launch Alliance will lift the capsule into an orbit

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00:01:48,010 --> 00:01:55,240  
reaching 3,600 miles, about 15 times higher than the International Space Station.