



1  
00:00:00,200 --> 00:00:04,200  
3,2,1

2  
00:00:12,240 --> 00:00:08,200  
music

3  
00:00:12,260 --> 00:00:16,270  
Engineering Students from California Polytechnic Institute brought their

4  
00:00:16,290 --> 00:00:20,290  
Webb Telescope deployment model to the NASA Goddard Space Flight Center.

5  
00:00:20,310 --> 00:00:24,330  
The students demonstrated this detailed, robotic version of Webb

6  
00:00:24,350 --> 00:00:28,370  
for the NASA team building the real thing.

7  
00:00:28,390 --> 00:00:32,410  
It's a 1/6th scale model, and it performs the deployments the Webb telescope will carry out before

8  
00:00:32,430 --> 00:00:36,440  
it begins science gathering. For 2 and a half years, the Cal Poly

9  
00:00:36,460 --> 00:00:40,610  
students worked with their mentors to tbuild the first physical representation

10  
00:00:40,630 --> 00:00:44,640  
of the Webb deployment. The team had only two requirements

11  
00:00:44,660 --> 00:00:48,660  
wok collaboratively and with only public domain information

12  
00:00:48,680 --> 00:00:52,680  
"the purpose behind this model was to give the public

13  
00:00:52,700 --> 00:00:56,700

and people that don't really know much about the the James Webb Space

14

00:00:56,720 --> 00:01:00,740

Telescope an idea of the complexity of the deployments that take place

15

00:01:00,760 --> 00:01:04,770

The Cal Poly, Small Deployment Engineering Model, or SDEM

16

00:01:04,790 --> 00:01:08,800

will be at the Goddard Space Flight Center for the next month

17

00:01:08,820 --> 00:01:12,820

The team also built a deployable 1/20th scale and gave it to Webb

18

00:01:12,840 --> 00:01:16,850

Project Manager, Bill Ouchs. The Webb team plans to use the Cal Poly

19

00:01:16,870 --> 00:01:20,900

team's gift during public outreach events.

20

00:01:20,920 --> 00:01:24,920

(clapping and cheering)

21

00:01:24,940 --> 00:01:28,940

beep beep