



**ROMAN'S PRIMARY STRUCTURE
ENTERS THE CLEAN ROOM**

1

00:00:00,000 --> 00:00:04,000

The primary structure of NASA's next flagship

2

00:00:04,000 --> 00:00:08,000

telescope - the Nancy Grace Roman Space telescope

3

00:00:08,000 --> 00:00:12,000

is in the clean room. This marks an

4

00:00:12,000 --> 00:00:16,000

un-official kickoff to the assembly of this widefield telescope.

5

00:00:16,000 --> 00:00:20,000

With the primary structure providing its foundation, Roman will

6

00:00:20,000 --> 00:00:24,000

survey large sweeps of the sky. Unlike the Webb telescope,

7

00:00:24,000 --> 00:00:28,000

which peers with a far narrower focus. These surveys allow

8

00:00:28,000 --> 00:00:32,000

astronomers to understand large scale structures of the Universe

9

00:00:32,000 --> 00:00:36,000

mysterious substances like dark energy and dark matter.

10

00:00:36,000 --> 00:00:40,000

A telescope like this

11

00:00:40,000 --> 00:00:44,000

is assembled bones first, and those bones were

12

00:00:44,000 --> 00:00:48,000

built here at Goddard's machine shop.

13

00:00:48,000 --> 00:00:52,000

Today we're preparing to put the spacecraft primary structure onto the skirts.

14

00:00:52,000 --> 00:00:56,000

Next week we'll be moving the structure and the skirt all the way

15

00:00:56,000 --> 00:01:00,000

up to building 29, up the hill where it will sit on an observatory dolly.\h

16

00:01:00,000 --> 00:01:04,000

Roman's initial construction phase

17

00:01:04,000 --> 00:01:08,000

requires readying these large pieces like the primary structure

18

00:01:08,000 --> 00:01:12,000

which houses critical systems like the propulsion system

19

00:01:12,000 --> 00:01:16,000

its power and attitude control and moving them around like puzzle pieces.

20

00:01:16,000 --> 00:01:20,000

Ready? Heave!

21

00:01:20,000 --> 00:01:24,000

This is the Pantheon.

22

00:01:24,000 --> 00:01:28,000

It's the scaffolding structure that allows people to easily reach

23

00:01:28,000 --> 00:01:32,000

\hthe already tall telescope pieces.

24

00:01:32,000 --> 00:01:36,000

And with the platform in position, the cleanroom is finally ready

25

00:01:36,000 --> 00:01:40,000

for the first central piece of hardware.

26

00:01:40,000 --> 00:01:44,000

music

27

00:01:44,000 --> 00:01:48,000

Now that this internal skeleton is

28

00:01:48,000 --> 00:01:52,000

here along with a final hoist,

29

00:01:52,000 --> 00:01:56,000

we can say

30

00:01:56,000 --> 00:02:00,000

that Roman has officially arrived.