1
00:00:00,470 --> 00:00:06,830
The Geostationary Operational Environmental
Satellite, or GOES-R, arrived August 22 aboard

2
00:00:06,830 --> 00:00:12,260
an Air Force C-5 Galaxy transport at the Shuttle
Landing Facility at NASA's Kennedy Space Center

3
00:00:12,260 --> 00:00:13,540
in Florida.

4
00:00:13,540 --> 00:00:19,119
GOES-R will be the first satellite in a series
of next-generation NOAA GOES Satellites.

5
00:00:19,119 --> 00:00:25,320
It will launch to a geostationary position
over the U.S. to provide images of storms

6
00:00:25,320 --> 00:00:30,730
and help predict weather forecasts, severe
weather outlooks, watches and warnings, lightning

7
00:00:30,730 --> 00:00:34,180
conditions and longer term forecasting.

8
00:00:34,180 --> 00:00:38,910
The satellite was offloaded and transported
to the Astrotech payload processing facility

9
00:00:38,910 --> 00:00:44,570
in Titusville, Florida, near Kennedy to begin
processing for its upcoming flight aboard

10
00:00:44,570 --> 00:00:50,000
a United Launch Alliance Atlas V rocket from
Space Launch Complex 41 at Cape Canaveral

11
00:00:50,000 --> 00:00:51,790

Air Force Station.

12
00:00:51,790 --> 00:00:58,850
The satellite was inspected, raised to the
vertical position and secured on a work stand.

13
00:00:58,850 --> 00:01:04,329
The Advanced Base Line Imager, the primary
optical instrument for GOES-R, was prepared

14
00:01:04,329 --> 00:01:10,540
and installed onto the satellite by Lockheed
Martin and Harris Corp. technicians.

15
00:01:10,540 --> 00:01:16,553
With the lights out, an optics test was performed
on the Advanced Baseline Imager on August 31

16
00:01:17,813 --> 00:01:21,740
Final launch preparations were performed prior
to fueling the satellite.

17
00:01:21,970 --> 00:01:27,730
On the same day it arrived, September 26,
the Atlas V Centaur upper stage was transported

18
00:01:27,730 --> 00:01:32,710
by truck from the Horizontal Integration Facility
to the Atlas Spaceflight Operations Center

19
00:01:32,710 --> 00:01:36,110
near Space Launch Complex 41.

20
00:01:36,110 --> 00:01:42,080
Inside Astrotech, both halves of the fairing
for GOES-R were inspected and cleaned.

21
00:01:42,080 --> 00:01:46,880
The Atlas V first stage was moved on a transport
trailer to the Vertical Integration Facility

22
00:01:46,880 --> 00:01:53,400
at Space Launch Complex 41 on October 24 and
lifted to the vertical position.

23
00:01:53,400 --> 00:01:59,950
The GOES-R satellite was enclosed in the payload
fairing at Astrotech on October 21 and transported

24
00:01:59,950 --> 00:02:03,110
to the pad Nov. 9

25
00:02:03,110 --> 00:02:08,069
Enclosed within the payload fairing, GOES-R
was lifted and placed atop the Atlas V rocket

26
00:02:08,069 --> 00:02:10,360
to await launch day.