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## Countdown Report for the Geostationary Meteorological Satellite (Himawari-9) launch on H-IIA Launch Vehicle Flight No.31

Final countdown status of H-IIA Flight F31 carrying Geostationary Meteorological Satellite (Himawari-9) will be reported.

\* Please reload this page for the latest on the launch.



November 02, 2016 15:48 JST  
**Separation of "Himawari-9" confirmed**

The separation of "Himawari-9" has been confirmed.



November 02, 2016 15:20 JST  
**Liftoff**

Mitsubishi Heavy Industries (MHI) has launched the H-IIA Launch Vehicle No. 31 carrying Geostationary Meteorological Satellite "Himawari-9" at 15:20 p.m. on Nov. 2, 2016 JST from the Tanegashima Space Center.



< Click image to enlarge >

Liftoff of H-IIA F31 (1)



< Click image to enlarge >

Liftoff of H-IIA F31 (2)

November 02, 2016 15:15 JST

### Automatic countdown sequence to start

It is 4 minutes and 40 seconds before liftoff. The automatic countdown sequence has started.

November 02, 2016 14:50 JST

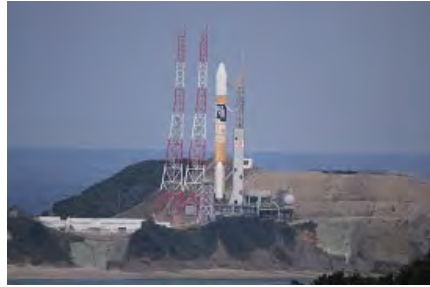
### X-30 minutes

It is 30 minutes before launch.

November 02, 2016 14:20 JST

### X-60 minutes

It is 60 minutes before launch. The final countdown operation has started.



< Click image to enlarge >

H-IIA F31 - Final countdown operation has started

November 02, 2016 14:14 JST

### Third Go/No Go Decision

The green light has been given to the X-60 minutes terminal countdown operation.

November 02, 2016 13:55 JST

### Attitude control system flight slew test completed

The second attitude control system flight slew test has been completed.

November 02, 2016 11:19 JST

### Radio frequency system checked up

The radio frequency system between H-IIA F31 and the ground stations has been checked up.

November 02, 2016 10:08 JST

### First stage and second stage liquid oxygen and liquid hydrogen tanks fully loaded

It has been confirmed that the first- and second-stage liquid hydrogen and liquid oxygen tanks have been fully loaded.



< Click image to enlarge >

H-IIA F31 - Both liquid hydrogen and liquid oxygen tanks fully loaded

November 02, 2016 08:49 JST

### Attitude control system flight slew test completed

By running programs of the guidance and control system mounted on H-IIA F31, it has been confirmed that all devices for flight attitude control are working as expected.

November 02, 2016 08:00 JST

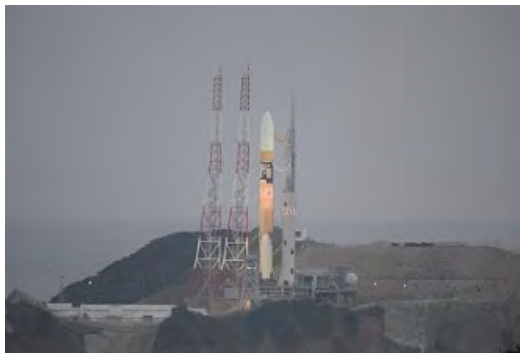
### Access restrictions to start within a radius of 3,000 meters from launch pad.

Access will now be restricted within a radius of 3,000 meters from the launch pad.

November 02, 2016 06:21 JST

### Terminal countdown operation to start

Terminal countdown operation has started. Access will now be restricted within a radius of 400 meters from the launch pad.



< Click image to enlarge >

Terminal countdown operation has started

November 02, 2016 06:04 JST

### Second Go/No Go Decision -'Go'

Final checks have been made for operational conditions of the launch vehicle, satellites, launch facilities, and tracking and control systems, as well as weather conditions. We now have gotten a go-ahead for loading the propellant, such as liquid oxygen and liquid hydrogen, into the launch vehicle. Propellant loading preparations are going to start.

November 02, 2016 01:55 JST

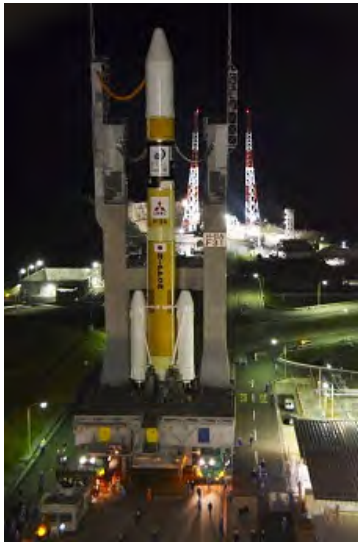
### H-IIA F31 to arrive at launch pad

H-IIA F31 has arrived at the launch pad. The launch vehicle is going to be connected to the pad facilities.



< Click image to enlarge >

Snapshot of launch site



< Click image to enlarge >

H-IIA F31 on the way to launch pad



< Click image to enlarge >

H-IIA F31 has arrived at launch pad

November 02, 2016 01:29 JST

### H-IIA F31 on the way to launch pad

H-IIA F31 carrying "Himawari-9" has left for the launch pad. H-IIA F31, mounted on a mobile launcher, will travel approximately 500 meters from the Vehicle Assembly Building to the launch pad. This will take about 30 minutes.

## First Go/No Go Decision -Go'

This is an updated launch countdown report on the Geostationary Meteorological Satellite "Himawari-9", which will be launched using the H-IIA No. 31 Launch Vehicle (H-IIA F31). After the weather conditions checked out, the green light has been given for H-IIA F31 carrying "Himawari-9" to leave the Vehicle Assembly Building for the launch pad. The scheduled launch time is Nov. 2, 2016 15:20 p.m. JST.

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