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## Launch

### **Atlas V Oa 4 Mission**

ATLAS V OA-4 MISSION. A ULA Atlas V 401 rocket will launch the Cygnus™ spacecraft on the initial leg of its cargo resupply mission to the International Space Station. Liftoff will occur from Space Launch Complex 41 at Cape Canaveral Air Force Station, FL.

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## **MISSION OVERVIEW - United Launch Alliance**

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## **Mission Shirts - Previous Missions - OA-4 Atlas V - United ...**

Atlas V rocket with Cygnus on Pad 41. OA-4 was the fourth of eight flights by Orbital ATK under the Commercial Resupply Services contract with NASA and the inaugural flight of the larger

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Enhanced Cygnus PCM. The mission was originally scheduled for 1 April 2015.

## **Cygnus CRS OA-4 - Wikipedia**

A United Launch Alliance (ULA) Atlas V rocket carrying the OA-4 mission lifts off from Space Launch Complex 41. The mission, flown for Orbital ATK under NASA's Commercial Resupply Services



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contract, marks the first time the Cygnus has flown on an Atlas V rocket. This was ULA's 12th launch in 2015.

## **Atlas V OA 4 Launch Highlights - Internet Archive**

Orbital ATK Cygnus Commercial  
Resupply Services Mission (OA-4) A  
United Launch Alliance (ULA) Atlas V

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rocket carrying Orbital ATK's uncrewed Cygnus cargo spacecraft will lift off from Complex 41 at the Cape Canaveral Air Force Station in Florida on the OA-4 mission.

## **Orbital ATK Cygnus-Atlas V OA-4 patch - collectSPACE**

This was the first mission of a Cygnus

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spacecraft aboard an Atlas V 401 rocket (AV-061) from ULA. The Atlas V OA-4 was successfully launched on its 4th attempt due to bad weather at 4:44 pm on Dec 6, 2015 from Cape Canaveral launch pad 41. Cygnus OA-4 is also the first mission of the enhanced Cygnus spacecraft...

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## **Cygnus OA-4**

An American Atlas V rocket powered by a Russian first stage engine has successfully orbited the Worldview-4 commercial satellite. Launch replays from cameras around the launch pad and Cape Canaveral area. See how the Atlas V rocket and NROL-61 payload were brought together ahead of launch.

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## **Atlas V Rockets | SpaceVids**

2019 (4) Atlas V (71) Commercial (17)  
Customer (2) Delta II (30) Delta IV (34)  
East Coast (94) NASA (33) National  
Security (85) Vulcan (1) West Coast (39)

## **Missions - United Launch Alliance**

For example, an Atlas V 551 has a

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5-meter fairing, 5 SRBs, and 1 Centaur engine, whereas an Atlas V 431 has a 4-meter fairing, 3 SRBs, and 1 Centaur engine. The crewed Atlas V N22 with no fairing, two SRBs, and 2 Centaur engines is currently intended for launch in 2019. The flight will carry the Starliner vehicle for its first orbital test flight

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## **Atlas V - Wikipedia**

A United Launch Alliance Atlas V 401 will launch Orbital ATK's Cygnus™ spacecraft on the initial leg of its cargo resupply mission to the International Space Station (ISS).

## **Atlas V OA-7 Mission Profile**

The OA-7 mission is the seventh Cygnus

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flight, and third Cygnus flight onboard an Atlas V rocket, following the extremely successful OA-4 and OA-6 launches in December 2015 and March 2016, respectively. The Cygnus spacecraft for the OA-7 mission will fly the Saffire-III

## **ATLAS V 401**



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Today's OA-4 mission milestone marks a key step forward as Orbital ATK continues its cargo delivery service to the ISS for NASA under the Commercial Resupply Services (CRS) contract. The Cygnus...

**LIVE: Atlas V 401 - Cygnus OA-4  
(CRS-4) - December 6, 2015 ...**

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The Cygnus launched is the Orbital ATK 4 (OA-4) mission, with the spacecraft named the SS Deke Slayton II after astronaut Deke Slayton. Slayton, the only member of the original Mercury Seven not to fly during the Mercury program - having been grounded due to a heart defect,...

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## **Cygnus returns to space via Atlas V launch ...**

OA-4 mission scrubbed second time due to high ground winds Jason Rhian  
December 4th, 2015 CAPE CANAVERAL, Fla. — Launch controllers attempted valiantly to get a ULA Atlas V rocket off of the pad...

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## **OA-4 Archives - SpaceFlight Insider**

The next Orbital Cygnus flight will take place on a ULA Atlas V 401 rocket from SLC-41 at CCAFS. It was announced a few days ago by Orbital ATK CEO David Thompson that the mission is currently preparing for a NET October 2015 launch.

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## **LIVE: Atlas V 401 - Cygnus OA-4 (CRS-4) - December 6, 2015 ...**

The first Cygnus to launch aboard an Atlas was OA-4, the first mission after OA-3 was lost in an Antares launch failure. By moving both OA-4, and later OA-6 to Atlas, Orbital was able to continue meeting its cargo delivery obligations while Antares was grounded.

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## **Atlas V conducts OA-7 Cygnus launch to the ISS ...**

The OA-4 mission is an interim mission launching on an Atlas V 401 rocket to bridge a gap in Antares launches needed for upgrades of the rocket that will return to flight in 2016 with new engines.

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## **Cargo Manifest - Cygnus OA-4 | Spaceflight101**

Photos: Cygnus blasts off atop Atlas V,  
setting sail for ISS December 7, 2015

Patrick Blau Comments Off on Photos:

Cygnus blasts off atop Atlas V, setting  
sail for ISS Atlas V Atlas V 401

Commercial Space Cygnus Expedition 45

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Expedition 45 Videos Human Spaceflight  
ISS Launch NASA News Orbital ATK  
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## **Launch Profile - Cygnus OA-4 | Spaceflight101**

The OA-4 mission is ULA's 12th and final launch of 2015. This Atlas V is serial number AV-061. At 7,492 kg (16,517



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pounds), this is the heaviest payload launched by an Atlas V, as well as the first ever Atlas mission to the ISS.

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