



An Atlas V rocket satellite launch. The GOES-R weather satellite will launch in October 2016 on a similar rocket. Credit: United Launch Alliance

Moon phases are Universal Time (UT)



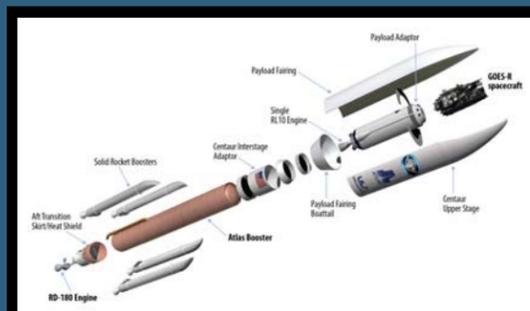
October 2016

SUNDAY		MONDAY		TUESDAY		WEDNESDAY		THURSDAY		FRIDAY		SATURDAY	
<small>SEPTEMBER</small> S M T W T F S 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30		<small>NOVEMBER</small> S M T W T F S 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30											1
	2		3		4		5		6		7		8
	9		10		11		12		13		14		15
		Columbus Day											NOAA-2 launched, 1972
	16		17		18		19		20		21		22
GOES-1 launched, 1975													
30	23		24		25		26		27		28		29
		31 Halloween									Suomi NPP launched, 2011		

Launching GOES-R

The GOES-R satellite will launch from Space Launch Complex-41 at Cape Canaveral Air Force Station, Florida, aboard an Atlas V 541 expendable launch vehicle. The term expendable launch vehicle means each vehicle is only used once. The three numbers in the 541 designation signify a payload fairing, or nose cone, that is approximately 5 meters (16.4 feet) in diameter; four solid-rocket boosters fastened alongside the central common core booster; and a one-engine Centaur upper stage. A launch vehicle is chosen based on how much mass the vehicle can lift into space. A two-stage Atlas V 541 launch vehicle was selected for the GOES-R launch because it has the right liftoff capability for the heavy weight requirements.

Atlas V 541 expendable launch vehicle.



Credit: United Launch Alliance