this is Atlas launch control at t-minus

two hours and holding weren't a planned

built-in hold at this time on the launch

of the Juno spacecraft aboard an Atlas 5

rocket we are now 2 hours 32 minutes 32

seconds away from the liftoff of the

Atlas 5 lift office from launch complex

41 at Cape Canaveral the Juno spacecraft

will provide the most detailed

observations to date of Jupiter the

solar system's largest planet

additionally as Jupiter was the most

likely the first planet to form

Juno's findings will shed light on the
history and evolution of the entire solar system the launch window today extends from 11:34 a.m. to 12:43 p.m. a duration of 69 minutes following the five-year cruise to Jupiter which will include a gravity assist earth flyby Juno will enter into a polar orbit around the planet completing 33 orbits during its science phase before being commanded to enter to Pater's atmosphere to complete the mission Juno will orbit the planet every 11 days coming as close as 3,100 miles to Jupiter's cloud tops while measuring magnetic and gravity
fields atmospheric composition and

30
performing infrared ultraviolet and

31
visible-light photography the Juno spacecraft is unique in several ways

33
it’s the first solar-powered spacecraft

34
to perform operations this far from the Sun to accomplish this Juno is equipped

36
with three very large solar arrays which when extended bring the spacecraft to a
total diameter of 66 feet to combat its

39
exposure to radiation during its year-long orbit of Jupiter most of

41
Juno’s electronics have been housed

42
inside a titanium vault in the center of
the spacecraft Juno will be spent

stabilized throughout its mission in

order to maximize the scientific observations

we've had a weather forecast from our launch weather officer clay Flynn and

the forecast is essentially unchanged

from what we've been watching all week

there is just a 30% chance of not meeting the launch weather criteria

there will be a chance for some isolated showers winds will be out of the southeast at around 12 knots visibility

of 7 to 10 miles winds generally from

the southeast and a temperature of
approximately 86 degrees