with just a few seconds away from the issuance of the launch command t-minus 20 seconds

the launch command has been issued main engine start and liftoff of the ISS

progress 46 the 46th resupply ship to the International Space Station

20 seconds into the flight roland pitch program initiated nominal performance so far from the first stage the vehicle is stable according to the reports being received from the Russian Mission

Control Center via the Baikonur cosmodrome chamber pressure is nominal
going through maximum dynamic pressure
downrange roll pitch and yaw on the
vehicle is all by the book 70 seconds
into the flight the flight is reported
to be nominal coming up on the one
minute 30-second mark into the flight
all parameters reported to be not
nominal the vehicle traveling almost
1,400 miles an hour
give them a lil amount of them coming up
on the 2-minute mark into the flight the
force strap-on boosters will be
jettisoned and we'll be standing by for
first stage separation first stage
separation is confirmed everything is

nominal Soyuz boosters traveling at

about 3,500 miles an hour right now some

30 statute miles and altitude

a few seconds from now the escape tower

and launch shroud will be jettisoned

coming up on the 3-minute mark into the

flight the launch shroud has been

jettisoned exposing the progress 46

vehicle to the launch dynamics all

control systems are reported to be

nominal Soyuz now traveling 5,000 miles

an hour down range all systems reported

to be functioning normally

to be functioning normally
the second stage engines are reported to be functioning normally everything is going by the book 220 seconds into the flight as it is calculated by the launch engineers down in Baikonur all systems are functioning normally the vehicle is stable running on the second stage engines everything is going extremely well as the progress heads toward orbit roll pitch and yaw parameters are normal second stage engines are functioning normally you're looking at the progress disappearing from view downrange through a long-range tracking cameras two
hundred sixty seconds into the flight

the flight is reported to be nominal

coming up on the five-minute mark into

the flight we've confirmed second stage

separation the third stage engines now

burning these Soyuz now at an altitude

of 105 miles

traveling almost 10,000 miles an hour

don range the vehicle stabilization is

reported to be nominal almost six

minutes into the flight the single

engine of the Soyuz boosters third stage

providing this final boost uphill for

the progress 46 control system
parameters reported to be nominal you're looking at the International Space Station flight control room at the Russian Mission Control Center in Carly off outside Moscow monitoring the performance being reported by the launch engineering team down of the Baikonur cosmodrome in Kazakhstan launch time was 506 and 40 seconds p.m. central time 506 am Baikonur time on Thursday morning everything continuing to go by the book third stage engine is performing normally almost eight minutes into the flight the flight is nominal we're in
the homestretch of the progress 46 a
sent to orbit

mr. Thornton that is daniella not a peep

about 35 seconds of powered flight

remaining on the third stage the third

stage engine continues to burn normally

I love my lane

should be the facilities up

but I know that I gettin ready to do a

lot of em coming up on the 9-minute mark

into the flight everything continues to

function normally

beautiful little is it irregular the

vehicles still reported to be stable 500
seconds into the flight everything is

nominal with the vehicle we're awaiting

a third stage shut down

tradition found us a visit any other

senior motor

the control systems are nominal third

stage engine continues to function

normally in its final seconds and we

have third stage shutdown and spacecraft

separation standing by for solar array

and navigational antenna deployment

and we have confirmation now a solar

array deploy navigational antenna deploy

the International Space Station's

progress 46 cargo craft now in orbit in
its preliminary orbit enroute to the international space station after a flawless launch from the Baikonur cosmodrome in Kazakhstan