a to the radio a tones new political

final this no we said this sank got to

do

an American University to see a

particular

bleep arbitrable so normal

prep America so normal opposition

aluminum and we're off

Arianne five powering out into the night

sky here at the Guiana Space Center that

streak of gold coming from those two

powerful boosters just catching the

sound of that now here 15 kilometers

from the pad as she flies over an ATV
George la Mettrie is on its way
destination or human outpost in space

the International people in the viewing

stations will have felt the ground shake

I've sent Charlotte out to go and watch

the launch in real life rather than on

the screens here so we'll wait to hear

how she experienced it right now the

boosters are doing all the work they're

literally pushing us away from the

Earth's gravity that's what keeps us

stuck to our planet does it gun makes it

very difficult to leave as well and we

may get lucky and see those boosters
falling away there with the naked eye

each one is burning two tons of propellant that's an awful lot of propellant per second
two tons per second just to give you an idea if you filled your car once a week that's just about the amount that you would be using in a year

see faster unless it does exceed or hold on we did see them separating their superb sight the boosters falling away and this ah there we go the two dots on either side and the white dots are normal is the Vulcan engine that you can
see and those boosters falling back down

44 00:03:16,550 --> 00:03:19,280
we're shedding weight we don't need them

45 00:03:18,770 --> 00:03:24,100
anymore

46 00:03:19,280 --> 00:03:27,590
we're losing each stage of the vehicle

47 00:03:24,099 --> 00:03:29,359
once it's burnt up its fuel because of

48 00:03:27,590 --> 00:03:31,879
course the lighter we are the faster we

49 00:03:29,360 --> 00:03:33,860
go right now we've lost about

50 00:03:31,879 --> 00:03:37,269
three-quarters of our weight in just

51 00:03:33,860 --> 00:03:37,270
over two minutes