1 00:00:02,388 --> 00:00:15,928
1210 you let's go for main engine slows

2 00:00:06,859 --> 00:00:18,179
6 4 3 2 1 and booster ignition liftoff

3 00:00:15,929 --> 00:00:22,399
space shuttle Discovery taking the space

4 00:00:18,179 --> 00:00:22,399
station to full power for full science

5 00:00:25,670 --> 00:00:31,590
rockaway discovery discoveries roll

6 00:00:29,640 --> 00:00:33,808
maneuver is completed it is now in a

7 00:00:31,589 --> 00:00:35,189
heads down position on track parts

8 00:00:33,808 --> 00:00:37,699
flight to the International Space

9 00:00:35,189 --> 00:00:37,699
Station

10 00:00:43,140 --> 00:00:48,750
discovery flying 365 miles per hour one

11 00:00:47,308 --> 00:00:50,878
a half one and a half miles in altitude

12 00:00:48,750 --> 00:00:54,000
seven miles down range from the Kennedy

13 00:00:50,878 --> 00:00:55,859
Space Center discoveries engines are

14 00:00:54,000 --> 00:00:57,600
throttling down as the orbiter passes
through the area of maximum pressure on
the vehicle
discovery go at throttle up this country
go and throw up three main engines on
board are throttling back up now one
minute 12 seconds into the flight
discovery flying it 1800 miles per hour
ten miles in altitude and eleven and a
half miles down range from the Kennedy
Space Center at liftoff the fully filled
Shuttle boosters and external tank wait
four and a half million pounds the total
thrust at launch was six million four
hundred and twenty-five thousand pounds
all systems continue to function well

three good main engines three good power

generating fuel cells and three good

auxiliary power units for the hydraulic

system we will now stand by for burnout

and separation of the solid rocket

boosters combined the twin boosters

provide 5.3 million pounds of thrust to

propel the orbiter toward space

discovery now flying 3,600 miles per

hour 32 miles in altitude 43 miles

downrange from the Kennedy Space Center

you