1 00:00:00,000 --> 00:00:13,679 sound suppression water system armed

2 00:00:03,318 --> 00:00:18,778 t-minus ten nine eight seven six to one

3 00:00:13,679 --> 00:00:20,789 and liftoff space shuttle flights final

4 00:00:18,778 --> 00:00:25,278 visible to enhance the vision of couple

5 00:00:20,789 --> 00:00:25,279 into the deepest grater of our universe

6 00:00:29,649 --> 00:00:33,729 by passed across the board scooter no

7 00:00:31,960 --> 00:00:36,189 action

8 00:00:33,729 --> 00:00:38,398 Houston now controlling Atlantis on its

9 00:00:36,189 --> 00:00:38,399 way

10 00:00:52,710 --> 00:00:57,090 atlantis on his way all three engines

11 00:00:54,840 --> 00:00:58,890 now throttling down as the area begins

12 00:00:57,090 --> 00:01:02,129 that the vehicle passes through the area

13 00:00:58,890 --> 00:01:06,769 of maximum dynamic pressure Atlantis

14 00:01:02,128 --> 00:01:13,769 Houston no action on the MPS hu out p
just like optical axis atlantis go left

Ramallah Houston Atlantis copies go back

claw 17 miles in altitude

altitude 49,000 feet

flight control team discussing the minor transients that we're seeing at liftoff

all three engines are in good shape the vehicle is headed down range all three

hydraulic systems in good shape as are

the fuel cells Atlantis is 18 miles an

altitude downrange 23 miles already

traveling 2,500 miles per hour

approaching staging the burnout of the twin solid rocket boosters which have
been burning fuel at a rate of about 30,000 pounds per second

solid rocket boosters have done their job Atlantis's continuing in its due easterly course to catch up with the Hubble Space Telescope one last time