



1
00:00:14,180 --> 00:00:11,830
t-minus 15 seconds t-minus 10 9 8 7 6 5

2
00:00:21,890 --> 00:00:14,190
go for main engine start

3
00:00:25,250 --> 00:00:21,900
3 2 1 0 and liftoff of the Atlas 5 with

4
00:00:37,540 --> 00:00:25,260
MMS using magnetic reconnection to fill

5
00:00:37,550 --> 00:00:41,580
he was gone

6
00:00:45,950 --> 00:00:43,890
engine response was appropriate that's

7
00:01:03,650 --> 00:00:45,960
what chamber pressures are rolling on

8
00:01:03,660 --> 00:01:19,560
aqua

9
00:01:27,510 --> 00:01:21,980
31:18 continues to perform well

10
00:01:35,969 --> 00:01:27,520
repeating several altitude is 0.46 miles

11
00:02:02,390 --> 00:01:35,979
down 102 miles stationed in Jupiter

12
00:02:07,380 --> 00:02:05,760
or an altitude is 19 miles downrange

13
00:02:09,120 --> 00:02:07,390

distance eighteen point seven miles

14

00:02:15,620 --> 00:02:09,130

current velocity three thousand twenty

15

00:02:20,610 --> 00:02:18,150

Attalus will cut off at four minutes and

16

00:02:22,560 --> 00:02:20,620

nine seconds into the light 30 when he

17

00:02:31,710 --> 00:02:22,570

continues perform well speeds and

18

00:02:41,150 --> 00:02:31,720

chamber pressures within ban closed loop