1
00:00:00,000 --> 00:00:08,849
this is Delta launch control at t-minus

2
00:00:03,410 --> 00:00:10,830
134 minutes 37 seconds and counting the

3
00:00:08,849 --> 00:00:13,410
countdown picked up on schedule this

4
00:00:10,830 --> 00:00:16,948
morning for the launch of the Delta two

5
00:00:13,410 --> 00:00:20,429
rocket with Grail right now in the

6
00:00:16,949 --> 00:00:23,220
countdown the helium tanks aboard the

7
00:00:20,429 --> 00:00:26,759
first stage are being pressurized in

8
00:00:23,219 --> 00:00:28,198
preparation for loading the RP one fuel

9
00:00:26,760 --> 00:00:29,970
on board the first stage which is

10
00:00:28,199 --> 00:00:34,230
scheduled to begin in about five minutes

11
00:00:29,969 --> 00:00:38,070
the RP one is a highly refined kerosene

12
00:00:34,229 --> 00:00:41,390
fuel and that will be followed by

13
00:00:38,070 --> 00:00:44,369
loading the liquid oxygen on board right

14
00:00:41,390 --> 00:00:50,609
ahead of that we will have a weather
briefing for this morning and at this
time everything is proceeding on
schedule for liftoff at 829 a.m. to be
precise will be just 45 seconds past the
829 mark at a 2945 for ignition of the
main engine on delta rocket the Grail
spacecraft reports that they are go for
this morning's launch and right now in
the countdown the spacecraft test team
is on station
we do have a second opportunity this
morning once again at nine oh eight
should that be necessary at this time we
are planning for a 29 and no indication
00:01:50,829 --> 00:01:55,539
at this point in time that we will be

30
00:01:54,129 --> 00:01:59,319
needing to target that second

31
00:01:55,540 --> 00:02:03,930
opportunity at 908 weather appears to be

32
00:01:59,319 --> 00:02:06,279
generally favorable and right now the

33
00:02:03,930 --> 00:02:10,810
balloons are being released to assess

34
00:02:06,280 --> 00:02:13,539
the upper level winds and about another

35
00:02:10,810 --> 00:02:18,280
hour we'll have our launch director Tim

36
00:02:13,539 --> 00:02:22,090
Dunn come over and give us a status so

37
00:02:18,280 --> 00:02:24,280
now we will join the launch team and

38
00:02:22,090 --> 00:02:27,180
hear the preparations for loading the RP

39
00:02:24,280 --> 00:02:29,590
one fuel aboard the Delta first stage at

40
00:02:27,180 --> 00:02:32,709
t minus one hundred thirty-two minutes

41
00:02:29,590 --> 00:02:35,400
12 seconds and counting this is Delta

42
00:02:32,709 --> 00:02:35,400
launch control