



1
00:00:01,735 --> 00:00:03,136
- [Announcer] System,
this is ACS One,

2
00:00:03,136 --> 00:00:05,805
we've just had transition
to high rate mode,

3
00:00:05,805 --> 00:00:07,640
and we are in the atmosphere.

4
00:00:07,640 --> 00:00:10,110
[loud, dramatic zoom]

5
00:00:10,110 --> 00:00:13,847
- [Todd Barber] Radio signal
is still holding, 30 seconds.

6
00:00:13,847 --> 00:00:15,382
- [announce Spacecraft
has just crossed

7
00:00:15,382 --> 00:00:19,552
10 degrees north latitude,
altitude 1,000 miles.

8
00:00:20,420 --> 00:00:22,422
- [Controller] Copy, thank you.

9
00:00:24,190 --> 00:00:28,361
- [Julie Webster] OK, we call
loss of signal at 1-1-5-5-4-6

10
00:00:28,962 --> 00:00:30,463
[drum roll]

11
00:00:30,463 --> 00:00:32,332
>> Earl Maize: You
just heard the signal

12

00:00:32,332 --> 00:00:33,833
from the spacecraft is gone

13

00:00:33,833 --> 00:00:36,369
and within the next 45 seconds

14

00:00:36,369 --> 00:00:38,705
so will be the spacecraft.

15

00:00:39,906 --> 00:00:43,576
I hope you're all
as deeply proud

16

00:00:44,477 --> 00:00:45,945
of this amazing accomplishment.

17

00:00:45,945 --> 00:00:47,714
Congratulations to you all.

18

00:00:47,714 --> 00:00:49,449
This has been an
incredible mission,

19

00:00:49,449 --> 00:00:50,884
an incredible spacecraft,

20

00:00:50,884 --> 00:00:54,521
and you're all an
incredible team.

21

00:00:54,521 --> 00:00:57,424
I'm going to call this
the end of mission.

22

00:00:57,424 --> 00:00:59,759
Project Manager off the net.

23

00:01:01,294 --> 00:01:03,563
[applause]

24
00:01:15,341 --> 00:01:19,012
[dramatic orchestral music]

25
00:01:24,250 --> 00:01:27,821
- Well we're here to discuss
a magnificent mission

26
00:01:27,821 --> 00:01:29,823
that had an amazing end.

27
00:01:31,057 --> 00:01:32,325
There it is.

28
00:01:32,325 --> 00:01:33,626
This is Cassini.

29
00:01:33,626 --> 00:01:34,928
Next picture.

30
00:01:34,928 --> 00:01:36,930
This is also Cassini.

31
00:01:36,930 --> 00:01:37,764
Yes.

32
00:01:37,764 --> 00:01:40,100
[applauding]

33
00:01:40,100 --> 00:01:42,135
- When I look back over
the Cassini mission,

34
00:01:42,135 --> 00:01:44,170
I see a mission that was running

35

00:01:44,170 --> 00:01:48,341
a 13-year-marathon of
scientific discovery.

36
00:01:49,542 --> 00:01:52,545
And this last orbit
was just the last lap.

37
00:01:53,446 --> 00:01:55,215
So we stood in celebration

38
00:01:55,215 --> 00:01:57,951
of successfully
completing the race.

39
00:01:57,951 --> 00:02:00,920
This is the view in the
infrared at five microns.

40
00:02:00,920 --> 00:02:03,323
You can see the heat energy
coming out of Saturn.

41
00:02:03,323 --> 00:02:07,494
This is the place where
Cassini took its final plunge.

42
00:02:08,661 --> 00:02:12,198
- It's not an end but
really a beginning.

43
00:02:12,198 --> 00:02:14,701
The discoveries that
Cassini has made

44
00:02:14,701 --> 00:02:17,437
over the past 13 years in orbit

45
00:02:17,437 --> 00:02:19,939
have rewritten the

textbooks of Saturn,

46

00:02:19,939 --> 00:02:22,675

have discovered worlds
that could be habitable,

47

00:02:22,675 --> 00:02:26,412

and have guaranteed that we'll
return to that ringed world.