



1  
00:00:00,000 --> 00:00:03,000  
Music.

2  
00:00:03,000 --> 00:00:08,000  
Gay Yee Hill: Good evening and welcome to Cassini-Huygens Mission Control

3  
00:00:08,000 --> 00:00:11,000  
at NASA's Jet Propulsion Laboratory in Pasadena, California.

4  
00:00:11,000 --> 00:00:17,000  
The flight team is in place for S O I, that is: Saturn Orbit Insertion.

5  
00:00:17,000 --> 00:00:22,000  
And that is when the spacecraft must be captured by Saturn's gravity

6  
00:00:22,000 --> 00:00:26,000  
or it will fly right on past the planet, and the mission is over.

7  
00:00:26,000 --> 00:00:30,000  
Todd Barber: Time to turn back around to the S O I burn attitude or 'pointing position'

8  
00:00:30,000 --> 00:00:31,000  
and light up the rockets.

9  
00:00:31,000 --> 00:00:34,000  
Music.

10  
00:00:34,000 --> 00:00:37,000  
Mission Control voice: We have a Doppler signature, signifying engine turn-on.

11  
00:00:37,000 --> 00:00:40,000  
Applause. Voice: Yeah!

12  
00:00:40,000 --> 00:00:45,000  
Barber: It's 9:05 p.m. Pacific Daylight Time. The S O I burn is approximately 92 per cent complete.

13  
00:00:45,000 --> 00:00:48,000

And we expect to track Doppler now through the end of the burn.

14

00:00:48,000 --> 00:00:52,000

Mission Control voices: Flight to [unintelligible]-com. Go ahead S-1 com.

15

00:00:52,000 --> 00:00:54,000

The Doppler has flattened out.

16

00:00:54,000 --> 00:00:58,000

Team: Woo! Applause.

17

00:00:58,000 --> 00:01:00,000

Barber: OK. We have burn complete here.