



1  
00:00:05,950 --> 00:00:04,780  
hello and welcome to NASA's Jet

2  
00:00:09,310 --> 00:00:05,960  
Propulsion Laboratory in Pasadena

3  
00:00:10,990 --> 00:00:09,320  
California my name is James Gerhard and

4  
00:00:13,150 --> 00:00:11,000  
I'm one of the operations engineers on

5  
00:00:15,640 --> 00:00:13,160  
the Cassini program here to share the

6  
00:00:17,200 --> 00:00:15,650  
latest news from saturn my job is to

7  
00:00:19,810 --> 00:00:17,210  
write the commands that tell the two

8  
00:00:21,760 --> 00:00:19,820  
imaging cameras what to do since our

9  
00:00:24,580 --> 00:00:21,770  
last report Cassini has returned some

10  
00:00:26,470 --> 00:00:24,590  
stunning views of Saturn and this image

11  
00:00:29,080 --> 00:00:26,480  
Cassini takes a sweeping view of

12  
00:00:31,179 --> 00:00:29,090  
Saturn's South Pole region as the planet

13  
00:00:34,870 --> 00:00:31,189

shadow masks the Rings and the bright

14

00:00:38,040 --> 00:00:34,880

icy moon minus another image shows the

15

00:00:40,630 --> 00:00:38,050

icy moon Raya set against giant Saturn

16

00:00:45,040 --> 00:00:40,640

Cassini completed another successful

17

00:00:47,319 --> 00:00:45,050

flyby of titan on april 10th 2007 among

18

00:00:49,000 --> 00:00:47,329

the new parts of familiar terrain imaged

19

00:00:51,550 --> 00:00:49,010

with the radar instrument was the other

20

00:00:53,319 --> 00:00:51,560

side boundary of the Black Sea which

21

00:00:56,080 --> 00:00:53,329

could tell scientists more about its

22

00:00:58,270 --> 00:00:56,090

size the radar team also aligned this

23

00:01:00,580 --> 00:00:58,280

past slightly southward so that will

24

00:01:04,689 --> 00:01:00,590

line up with the future altimeter flyby

25

00:01:06,790 --> 00:01:04,699

planned for May 12 2007 on Cassini's

26  
00:01:09,610 --> 00:01:06,800  
next two passes of Titan starting with

27  
00:01:12,340 --> 00:01:09,620  
April 26th fly by the radar instrument

28  
00:01:13,930 --> 00:01:12,350  
will be on the hunt for sees this time

29  
00:01:16,390 --> 00:01:13,940  
the instrument will image the area

30  
00:01:18,610 --> 00:01:16,400  
slightly north of the Black Sea the

31  
00:01:20,800 --> 00:01:18,620  
radar coverage will cross over for radar

32  
00:01:22,570 --> 00:01:20,810  
swathes and begin to fill in more of the

33  
00:01:25,930 --> 00:01:22,580  
gaps in the coverage of titans North

34  
00:01:27,640 --> 00:01:25,940  
Pole on the following flyby Cassini's

35  
00:01:29,920 --> 00:01:27,650  
infrared spectrometer will see the lid

36  
00:01:32,440 --> 00:01:29,930  
and dark sides of Titan looking for hot

37  
00:01:34,690 --> 00:01:32,450  
spots and lightning the two imaging

38  
00:01:37,289 --> 00:01:34,700

cameras that I work on will do global

39

00:01:39,609 --> 00:01:37,299

mapping and full disk mosaics from

40

00:01:40,840 --> 00:01:39,619

Pasadena California this is James

41

00:01:42,880 --> 00:01:40,850

Gerhard with nasa's jet propulsion