



**Lakes on Titan's
*Northern Hemisphere***

1
00:00:04,070 --> 00:00:02,990
hello and welcome to NASA's Jet

2
00:00:06,800 --> 00:00:04,080
Propulsion Laboratory in Pasadena

3
00:00:07,940 --> 00:00:06,810
California I'm on our lon one of

4
00:00:10,220 --> 00:00:07,950
the navigators helping to fly the

5
00:00:12,169 --> 00:00:10,230
Cassini spacecraft around Saturn for

6
00:00:14,120 --> 00:00:12,179
fans of the original Star Trek series my

7
00:00:16,490 --> 00:00:14,130
job would probably be most likely tenant

8
00:00:18,410 --> 00:00:16,500
sulo at the helm since our last update

9
00:00:20,269 --> 00:00:18,420
Cassini celebrated its 10th anniversary

10
00:00:22,849 --> 00:00:20,279
of launch and made the closest flyby

11
00:00:24,259 --> 00:00:22,859
ever of the Moon I APIs it gave us a

12
00:00:25,820 --> 00:00:24,269
window seat view over the rugged

13
00:00:28,700 --> 00:00:25,830

mountainous ridge along the moon's

14

00:00:30,529 --> 00:00:28,710

equator so on the heels of lapetus the

15

00:00:32,749 --> 00:00:30,539

Cassini team had a tweet Cassini's path

16

00:00:35,180 --> 00:00:32,759

in preparation for a 37th encounter with

17

00:00:36,889 --> 00:00:35,190

titan on october second scientists say

18

00:00:38,510 --> 00:00:36,899

that if titan were a planet it would

19

00:00:40,160 --> 00:00:38,520

likely stand out as the most important

20

00:00:42,889 --> 00:00:40,170

planet in the Solar System for humans to

21

00:00:44,450 --> 00:00:42,899

explore on this flyby the navigators

22

00:00:46,010 --> 00:00:44,460

positioned the Cassini spacecraft over

23

00:00:48,410 --> 00:00:46,020

tightened southern hemisphere for the

24

00:00:50,150 --> 00:00:48,420

first time scientists were on the hunt

25

00:00:52,150 --> 00:00:50,160

for Lakes receives to see if they're as

26
00:00:54,650 --> 00:00:52,160
prevalent as they are at the North Pole

27
00:00:56,090 --> 00:00:54,660
this flyby provided us with our first

28
00:00:58,790 --> 00:00:56,100
confirmation of lakes in a southern

29
00:01:00,110 --> 00:00:58,800
hemisphere so Cassini's next close

30
00:01:02,180 --> 00:01:00,120
encounter with Titan is on november

31
00:01:04,700 --> 00:01:02,190
nineteenth Cassini will dip its toe once

32
00:01:06,469 --> 00:01:04,710
again into titan's atmosphere on our

33
00:01:07,910 --> 00:01:06,479
last fly by scientists were surprised

34
00:01:10,130 --> 00:01:07,920
because they were expecting a thicker

35
00:01:11,929 --> 00:01:10,140
atmosphere than they found this november

36
00:01:14,210 --> 00:01:11,939
nineteenth flyby also starts Cassini's

37
00:01:16,219 --> 00:01:14,220
last climb up Saturn's ladder increasing

38
00:01:18,320 --> 00:01:16,229

its inclination to about 75 degrees by

39

00:01:20,210 --> 00:01:18,330

next summer what this means is that the

40

00:01:22,850 --> 00:01:20,220

images will go for a perspective of this

41

00:01:25,190 --> 00:01:22,860

to even higher up than this as an avid

42

00:01:26,690 --> 00:01:25,200

photographer these images for me contain

43

00:01:27,830 --> 00:01:26,700

as much artistic value as they do

44

00:01:29,870 --> 00:01:27,840

scientific value

45

00:01:33,200 --> 00:01:29,880

for the latest news from Cassini please

46

00:01:35,510 --> 00:01:33,210

go to our website Saturn JPL nasa gov