



1
00:00:00,499 --> 00:00:01,467



2
00:00:01,500 --> 00:00:04,170

Cassini's high-flying,
ring-grazing orbits.

3
00:00:04,203 --> 00:00:06,706

On Nov. 30, 2016

4
00:00:06,739 --> 00:00:08,674

Cassini begins a daring set of
ring-grazing orbits

5
00:00:08,707 --> 00:00:17,150
skimming past the outside edge
of Saturn's main rings.

6
00:00:18,184 --> 00:00:23,990

Cassini will fly closer
to the rings than it has

7
00:00:24,023 --> 00:00:26,192
since its 2004 arrival.

8
00:00:27,293 --> 00:00:31,998

Circling high above and
below the poles of Saturn

9
00:00:32,031 --> 00:00:34,834

grazing their outer edge.

10
00:00:35,835 --> 00:00:43,643

Beginning its closest
study of the rings.

11
00:00:44,477 --> 00:00:49,015

Offering unprecedented
views of moons

12

00:00:49,048 --> 00:00:52,118

that orbit near
the rings' edges.

13

00:00:52,652 --> 00:00:53,619

Best-ever looks at

14

00:00:53,652 --> 00:00:57,023

Pandora.

15

00:00:57,056 --> 00:01:01,527

Pan.

16

00:01:01,560 --> 00:01:05,465

Daphnis.

17

00:01:05,498 --> 00:01:09,535

Atlas.

18

00:01:10,369 --> 00:01:14,040

Investigating "propeller"
features

19

00:01:14,073 --> 00:01:18,344

that hint at unseen moonlets.

20

00:01:19,512 --> 00:01:24,383

And hunting for signs of
meteor impacts into the rings

21

00:01:24,416 --> 00:01:27,220

while they are
backlit by the sun.

22

00:01:28,054 --> 00:01:32,058

Even more dramatic
orbits are ahead

23

00:01:32,091 --> 00:01:36,062

that bring Cassini
closer to Saturn

24

00:01:36,095 --> 00:01:40,199

than any spacecraft
has gone before.

25

00:01:40,232 --> 00:01:44,804



26

00:01:44,837 --> 00:01:48,074

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