



1
00:00:06,710 --> 00:00:04,390
we're seeing a shape model of vesta

2
00:00:10,230 --> 00:00:06,720
created by the german aerospace center

3
00:00:13,430 --> 00:00:10,240
using images from don's framing camera

4
00:00:15,669 --> 00:00:13,440
vesta is a large object in the main belt

5
00:00:16,870 --> 00:00:15,679
with a diameter of a

6
00:00:20,870 --> 00:00:16,880
kilometers

7
00:00:23,429 --> 00:00:20,880
and a shape which bulges at the equator

8
00:00:30,870 --> 00:00:23,439
when we look at the south pole of vesta

9
00:00:36,310 --> 00:00:33,750
this depression was also visible in

10
00:00:37,990 --> 00:00:36,320
hubble space telescope images but the

11
00:00:40,709 --> 00:00:38,000
features we see now

12
00:00:43,270 --> 00:00:40,719
are much more interesting

13
00:00:45,910 --> 00:00:43,280

flying over this feature we see large

14

00:00:48,470 --> 00:00:45,920

cliffs deep grooves

15

00:00:50,310 --> 00:00:48,480

and many types of liniments on the

16

00:00:52,470 --> 00:00:50,320

surface

17

00:00:54,709 --> 00:00:52,480

in the northern region of vesta

18

00:00:59,349 --> 00:00:54,719

there's a large feature we term the

19

00:01:01,990 --> 00:00:59,359

snowman a series of young craters

20

00:01:05,350 --> 00:01:02,000

there are also many variations

21

00:01:06,310 --> 00:01:05,360

in brightness on the surface

22

00:01:08,390 --> 00:01:06,320

we see

23

00:01:10,830 --> 00:01:08,400

many small craters

24

00:01:14,230 --> 00:01:10,840

grooves and

25

00:01:16,070 --> 00:01:14,240

troughs and bulges as seen in this

26

00:01:19,270 --> 00:01:16,080

profile view

27

00:01:22,070 --> 00:01:19,280

near the equator of vesta

28

00:01:23,270 --> 00:01:22,080

there are deep troughs

29

00:01:24,390 --> 00:01:23,280

as well as

30

00:01:26,870 --> 00:01:24,400

smaller

31

00:01:28,230 --> 00:01:26,880

groove features and these are telling us

32

00:01:30,390 --> 00:01:28,240

something about

33

00:01:31,830 --> 00:01:30,400

the history of vesta its collisions with

34

00:01:34,550 --> 00:01:31,840

other objects

35

00:01:39,270 --> 00:01:34,560

and how the material on its surface

36

00:01:43,270 --> 00:01:41,270

and while these views of this unexplored

37

00:01:45,270 --> 00:01:43,280

world are fascinating scientists are

38

00:01:47,270 --> 00:01:45,280

looking forward to higher resolution