

The image is a composite of two celestial bodies. On the right side, a portion of the Earth is visible, showing its characteristic blue oceans, green continents, and white cloud cover. On the left side, a large, bright, and heavily textured surface is shown, representing the Venusian atmosphere or surface, characterized by numerous white streaks and a hazy, greyish appearance. The background is a dark, star-filled space. Overlaid in the center of the image is the text "NEW VIEWS OF VENUS" in a bold, white, sans-serif font. The word "VENUS" is significantly larger than the words "NEW VIEWS OF".

**NEW VIEWS OF
VENUS**

1
00:00:49,830 --> 00:00:15,110

[Music]

2
00:00:53,350 --> 00:00:51,110

it's thrilling to be able to see

3
00:00:55,189 --> 00:00:53,360

something that's never been seen before

4
00:00:57,510 --> 00:00:55,199

this emission that we're seeing is

5
00:01:00,549 --> 00:00:57,520

thermal emission even on the night side

6
00:01:03,029 --> 00:01:00,559

the surface of venus is so hot that it's

7
00:01:06,360 --> 00:01:03,039

it's glowing uh

8
00:01:11,990 --> 00:01:06,370

faintly at very red wavelengths

9
00:01:16,390 --> 00:01:14,469

these whisper images i think are really

10
00:01:19,510 --> 00:01:16,400

exciting because they provide a new

11
00:01:21,749 --> 00:01:19,520

window into the lower atmosphere and

12
00:01:27,020 --> 00:01:21,759

surface region of venus where these

13
00:01:55,030 --> 00:01:42,620

[Music]

14

00:01:57,789 --> 00:01:55,040

another really interesting thing we

15

00:02:00,230 --> 00:01:57,799

could look for is potentially

16

00:02:02,389 --> 00:02:00,240

mineralogical differences different

17

00:02:22,470 --> 00:02:02,399

rocks different minerals emit different

18

00:02:28,710 --> 00:02:25,910

we have chemical fingerprints in venus's

19

00:02:30,949 --> 00:02:28,720

atmosphere and on its surface suggesting

20

00:02:32,080 --> 00:02:30,959

that venus might have been habitable in

21

00:02:57,190 --> 00:02:32,090

the past

22

00:02:57,200 --> 00:03:00,290

so

23

00:03:12,869 --> 00:03:10,390

[Music]

24

00:03:15,030 --> 00:03:12,879

this is something that's truly new and i

25

00:03:19,700 --> 00:03:15,040

believe will yield exciting science in

