



2021 Annular Solar Eclipse

1
00:00:05,790 --> 00:00:04,230
nasa's epic has captured something rare

2
00:00:08,230 --> 00:00:05,800
a solar eclipse

3
00:00:10,950 --> 00:00:08,240
[Music]

4
00:00:13,110 --> 00:00:10,960
pointing at our planet from nearly one

5
00:00:16,230 --> 00:00:13,120
million miles away

6
00:00:19,429 --> 00:00:16,240
the earth polychromatic imaging camera

7
00:00:22,310 --> 00:00:19,439
or epic snaps more than a dozen photos

8
00:00:27,429 --> 00:00:25,029
the high quality images are useful for

9
00:00:30,790 --> 00:00:27,439
monitoring factors like the planet's

10
00:00:33,510 --> 00:00:30,800
vegetation cloud height ozone and

11
00:00:36,709 --> 00:00:33,520
wildfire smoke

12
00:00:39,670 --> 00:00:36,719
these images taken by epic on june 10th

13
00:00:44,470 --> 00:00:39,680

2021 show what earth looks like from

14

00:00:46,709 --> 00:00:44,480

space during an annular solar eclipse

15

00:00:49,830 --> 00:00:46,719

a solar eclipse occurs when the moon is

16

00:00:52,389 --> 00:00:49,840

positioned between the sun and earth

17

00:00:55,830 --> 00:00:52,399

the moon's shadow is projected onto

18

00:01:01,110 --> 00:00:58,869

an annular eclipse takes place when the

19

00:01:02,470 --> 00:01:01,120

moon is near its farthest point from

20

00:01:04,789 --> 00:01:02,480

earth

21

00:01:09,590 --> 00:01:04,799

the moon appears smaller than the sun in

22

00:01:15,109 --> 00:01:12,550

as the two align the sun appears as a

23

00:01:17,590 --> 00:01:15,119

ring of fire surrounding the dark disk

24

00:01:20,870 --> 00:01:17,600

of the moon

25

00:01:24,789 --> 00:01:20,880

epic sits aboard noaa's deep space

26

00:01:27,270 --> 00:01:24,799

climate observatory satellite discover

27

00:01:29,350 --> 00:01:27,280

since its launch in 2015 it has been

28

00:01:32,230 --> 00:01:29,360

orbiting a point of gravitational

29

00:01:36,630 --> 00:01:32,240

balance between the sun and earth known

30

00:01:41,990 --> 00:01:39,030

epic's unique perspective gives us

31

00:01:44,069 --> 00:01:42,000

insight into how our planet is changing