



1
00:00:09,350 --> 00:00:06,309
partial eclipse of the strawberry moon

2
00:00:11,830 --> 00:00:09,360
presented by science at nasa

3
00:00:12,950 --> 00:00:11,840
on june 4th 2012 there's going to be a

4
00:00:15,030 --> 00:00:12,960
full moon

5
00:00:17,269 --> 00:00:15,040
according to native american folklore

6
00:00:19,029 --> 00:00:17,279
it's the strawberry moon so called

7
00:00:20,870 --> 00:00:19,039
because the short season for harvesting

8
00:00:22,150 --> 00:00:20,880
strawberries typically comes during the

9
00:00:23,990 --> 00:00:22,160
month of june

10
00:00:25,429 --> 00:00:24,000
this strawberry is going to have a bite

11
00:00:28,390 --> 00:00:25,439
taken out of it

12
00:00:31,109 --> 00:00:28,400
at 3am pacific daylight time not long

13
00:00:34,150 --> 00:00:31,119

before sunrise on monday june 4th the

14

00:00:36,229 --> 00:00:34,160

moon passes directly behind our planet

15

00:00:38,389 --> 00:00:36,239

a broad stretch of lunar terrain around

16

00:00:40,869 --> 00:00:38,399

the southern crater taiko will fall

17

00:00:43,990 --> 00:00:40,879

under the shadow of earth producing the

18

00:00:46,470 --> 00:00:44,000

first lunar eclipse of 2012.

19

00:00:49,430 --> 00:00:46,480

at maximum eclipse around 404 a.m

20

00:00:51,029 --> 00:00:49,440

pacific 37 of the moon's surface will be

21

00:00:52,310 --> 00:00:51,039

in the dark

22

00:00:54,389 --> 00:00:52,320

because only a fraction of the

23

00:00:56,790 --> 00:00:54,399

strawberry moon is shadowed astronomers

24

00:00:58,630 --> 00:00:56,800

call this a partial eclipse but it's

25

00:01:00,470 --> 00:00:58,640

totally beautiful

26

00:01:03,430 --> 00:01:00,480

the eclipse is visible in north and

27

00:01:06,950 --> 00:01:03,440

south america australia eastern parts of

28

00:01:08,710 --> 00:01:06,960

asia and all across the pacific ocean

29

00:01:10,870 --> 00:01:08,720

on the atlantic side of the united

30

00:01:12,870 --> 00:01:10,880

states the eclipse occurs just as the

31

00:01:15,749 --> 00:01:12,880

moon is setting in the west

32

00:01:17,749 --> 00:01:15,759

perfect timing for the moon illusion

33

00:01:20,710 --> 00:01:17,759

for reasons not fully understood by

34

00:01:22,789 --> 00:01:20,720

astronomers or psychologists low-hanging

35

00:01:25,190 --> 00:01:22,799

moons look unnaturally large when they

36

00:01:26,789 --> 00:01:25,200

beam through trees buildings and other

37

00:01:29,510 --> 00:01:26,799

foreground objects

38

00:01:31,749 --> 00:01:29,520

in fact a low moon is no wider than any

39

00:01:34,390 --> 00:01:31,759

other moon cameras prove it but the

40

00:01:36,390 --> 00:01:34,400

human brain insists otherwise

41

00:01:39,030 --> 00:01:36,400

the eclipsed moon hanging low in the

42

00:01:41,429 --> 00:01:39,040

west at daybreak on june 4th will seem

43

00:01:42,630 --> 00:01:41,439

extra large to u.s observers east of the

44

00:01:45,109 --> 00:01:42,640

mississippi

45

00:01:47,670 --> 00:01:45,119

the fact that the extra size is just an

46

00:01:49,830 --> 00:01:47,680

illusion in no way detracts from its

47

00:01:52,069 --> 00:01:49,840

visual appeal

48

00:01:53,990 --> 00:01:52,079

the sun earth moon alignment that causes

49

00:01:56,469 --> 00:01:54,000

this eclipse is the second of three

50

00:01:58,230 --> 00:01:56,479

rapid fire celestial lineups

51
00:02:00,950 --> 00:01:58,240
first there was the annular solar

52
00:02:03,190 --> 00:02:00,960
eclipse of may 20th when the moon moved

53
00:02:05,749 --> 00:02:03,200
between earth and the sun to turn our

54
00:02:08,389 --> 00:02:05,759
star into a ring of fire

55
00:02:10,389 --> 00:02:08,399
the lunar eclipse of june 4th reverses

56
00:02:13,670 --> 00:02:10,399
the order of the earth and moon so that

57
00:02:15,910 --> 00:02:13,680
the moon is eclipsed instead of the sun

58
00:02:18,470 --> 00:02:15,920
finally we have the transit of venus on

59
00:02:20,830 --> 00:02:18,480
june 5th and 6th when the second planet

60
00:02:23,750 --> 00:02:20,840
moves directly between the earth and

61
00:02:25,910 --> 00:02:23,760
sun backyard astronomy doesn't get much

62
00:02:28,390 --> 00:02:25,920
better than this

63
00:02:30,710 --> 00:02:28,400

wake up before dawn on june 4th and

64

00:02:31,990 --> 00:02:30,720

behold the eclipse of the strawberry

65

00:02:34,150 --> 00:02:32,000

moon

66

00:02:36,550 --> 00:02:34,160

for more information about eclipses and