



1
00:00:06,869 --> 00:00:04,070
what's up for november venus in the

2
00:00:09,430 --> 00:00:06,879
morning gas giants in the evening and

3
00:00:11,589 --> 00:00:09,440
meteors after midnight

4
00:00:13,589 --> 00:00:11,599
hello and welcome i'm jane houston jones

5
00:00:14,910 --> 00:00:13,599
at nasa's jet propulsion laboratory in

6
00:00:17,269 --> 00:00:14,920
pasadena

7
00:00:20,390 --> 00:00:17,279
california if your skies are clear this

8
00:00:22,870 --> 00:00:20,400
month you're in for some real treats

9
00:00:24,950 --> 00:00:22,880
venus is up first literally

10
00:00:27,029 --> 00:00:24,960
start looking for our nearest planetary

11
00:00:29,109 --> 00:00:27,039
neighbor just before dawn

12
00:00:30,470 --> 00:00:29,119
you'll be treated to a very slender

13
00:00:35,350 --> 00:00:30,480

crescent

14

00:00:36,709 --> 00:00:35,360
minutes before dawn first venus and then

15

00:00:39,510 --> 00:00:36,719
the moon

16

00:00:41,910 --> 00:00:39,520
by the 15th the crescent venus widens to

17

00:00:45,350 --> 00:00:41,920
10 percent of the planet's disk and by

18

00:00:47,750 --> 00:00:45,360
month end it's 25 lit

19

00:00:51,029 --> 00:00:47,760
galileo captured sketches of the changes

20

00:00:53,590 --> 00:00:51,039
in the appearance of venus 400 years ago

21

00:00:55,270 --> 00:00:53,600
jupiter reigns supreme again in november

22

00:00:58,150 --> 00:00:55,280
you can really see the light and dark

23

00:01:00,069 --> 00:00:58,160
bands of clouds on the planet

24

00:01:03,510 --> 00:01:00,079
uranus and neptune are both easy to see

25

00:01:07,670 --> 00:01:05,750
comets are storytellers preserving the

26

00:01:13,590 --> 00:01:07,680

stuff from which our solar system's

27

00:01:20,550 --> 00:01:15,510

november 4th marks the epoxy

28

00:01:25,190 --> 00:01:22,469

last month offered the best time to view

29

00:01:30,950 --> 00:01:27,749

the bright and slow torrid meteor shower

30

00:01:32,550 --> 00:01:30,960

peaks the first two weeks of november

31

00:01:35,990 --> 00:01:32,560

you'll only see about five of the

32

00:01:37,910 --> 00:01:36,000

distinctive turrets per hour

33

00:01:39,270 --> 00:01:37,920

november's more famous shower is the

34

00:01:44,789 --> 00:01:39,280

leonids

35

00:01:46,950 --> 00:01:44,799

17th and 18th

36

00:01:48,710 --> 00:01:46,960

wait until the moon sets in the hours

37

00:01:51,350 --> 00:01:48,720

before dawn for your best chance of

38

00:01:55,429 --> 00:01:53,510

nasa's year of the solar system missions

39

00:01:57,749 --> 00:01:55,439

will shed light on our solar system

40

00:01:59,830 --> 00:01:57,759

family's birth story

41

00:02:01,830 --> 00:01:59,840

the cassini solstice mission is making

42

00:02:04,550 --> 00:02:01,840

new discoveries about the mini solar

43

00:02:07,109 --> 00:02:04,560

system at saturn complete with a disk of

44

00:02:08,949 --> 00:02:07,119

rings and moons orbiting the dynamic gas

45

00:02:11,670 --> 00:02:08,959

giant

46

00:02:13,990 --> 00:02:11,680

juno launches in 2011 and will seek to

47

00:02:16,150 --> 00:02:14,000

understand the origin and evolution of

48

00:02:17,830 --> 00:02:16,160

jupiter

49

00:02:19,910 --> 00:02:17,840

learn more about this month's year of

50

00:02:22,869 --> 00:02:19,920

the solar system resources at

51

00:02:25,750 --> 00:02:22,879

solarsystem.nasa.gov

52

00:02:29,110 --> 00:02:25,760

yss and you can learn all about nasa's

53

00:02:30,710 --> 00:02:29,120

missions at www.nasa.gov