

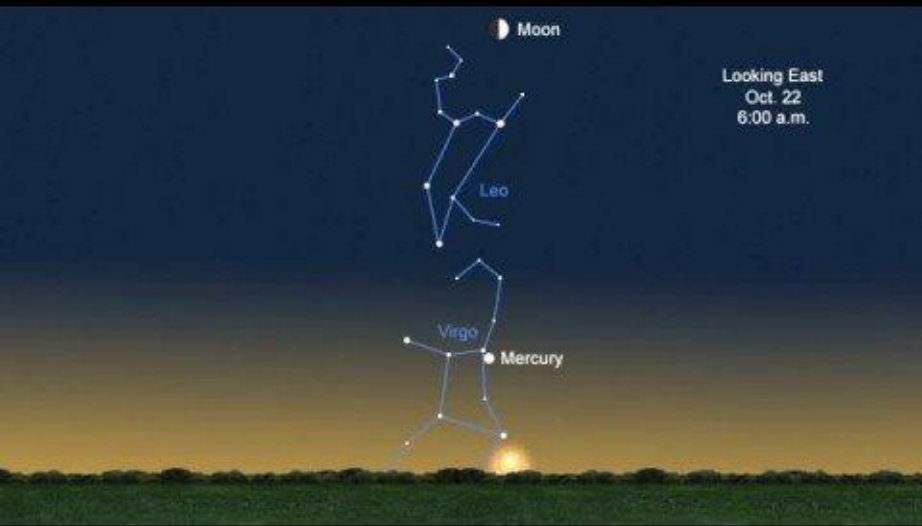
Moon

Looking East  
Oct. 22  
6:00 a.m.

Leo

Virgo

Mercury



1  
00:00:08,089 --> 00:00:04,309  
what's up for October this month we have

2  
00:00:11,390 --> 00:00:08,099  
a trip and a treat one is in the morning

3  
00:00:13,580 --> 00:00:11,400  
sky and one is in the evening sky hello

4  
00:00:15,589 --> 00:00:13,590  
and welcome I'm Jane Houston Jones at

5  
00:00:19,519 --> 00:00:15,599  
NASA's Jet Propulsion Laboratory in

6  
00:00:21,410 --> 00:00:19,529  
Pasadena California early risers will be

7  
00:00:25,310 --> 00:00:21,420  
able to see a tricky target this month

8  
00:00:28,599 --> 00:00:25,320  
it's mercury mercury is just one and a

9  
00:00:33,939 --> 00:00:28,609  
half times the size of our own moon and

10  
00:00:39,579 --> 00:00:36,459  
in early October NASA's messenger

11  
00:00:42,930 --> 00:00:39,589  
spacecraft flies past mercury for the

12  
00:00:44,920 --> 00:00:42,940  
second time this year and in 2011

13  
00:00:48,549 --> 00:00:44,930

messenger will be the first spacecraft

14

00:00:50,889 --> 00:00:48,559

to actually orbit mercury look in the

15

00:00:53,639 --> 00:00:50,899

eastern sky 30 minutes before the Sun

16

00:00:56,079 --> 00:00:53,649

rises from the 16th of the month on

17

00:00:58,750 --> 00:00:56,089

mercury can be seen about 20 degrees

18

00:01:01,539 --> 00:00:58,760

above the horizon and it will be easier

19

00:01:02,560 --> 00:01:01,549

to see towards the end of the month with

20

00:01:05,200 --> 00:01:02,570

the unaided eye

21

00:01:07,630 --> 00:01:05,210

mercury looks like a star and through a

22

00:01:10,059 --> 00:01:07,640

telescope it'll look like a tiny version

23

00:01:13,749 --> 00:01:10,069

of the first quarter moon on the 16th

24

00:01:17,260 --> 00:01:13,759

and like a tiny waxing gibbous moon on

25

00:01:18,999 --> 00:01:17,270

the 22nd Halloween is a great time to

26

00:01:21,070 --> 00:01:19,009

look up in the night sky from your own

27

00:01:23,529 --> 00:01:21,080

neighborhoods and this year we have more

28

00:01:26,469 --> 00:01:23,539

than one treat to offer both venus and

29

00:01:28,600 --> 00:01:26,479

jupiter are easy to see the slender

30

00:01:32,919 --> 00:01:28,610

crescent moon joins the two planets a

31

00:01:35,649 --> 00:01:32,929

half hour after sunset the European

32

00:01:38,469 --> 00:01:35,659

Space Agency's Venus Express is orbiting

33

00:01:41,560 --> 00:01:38,479

Venus right now and many NASA spacecraft

34

00:01:43,569 --> 00:01:41,570

including Galileo and Cassini have used

35

00:01:46,630 --> 00:01:43,579

the planet's gravitational pull to get