

1  
00:00:07,919 --> 00:00:10,240

Your guide to constellations,

2  
00:00:10,240 --> 00:00:14,620

deep-sky objects, planets, and events:

3  
00:00:14,619 --> 00:00:22,399

Tonight's Sky. Highlights of the November sky:

4  
00:00:42,520 --> 00:00:45,720

Saturn shines clear above the southwest

5  
00:00:45,719 --> 00:00:47,879

horizon at nightfall.

6  
00:00:47,880 --> 00:00:51,060

Watch as it shifts lower in the sky each night,

7  
00:00:51,060 --> 00:00:58,060

preparing to depart the evening sky.

8  
00:00:58,060 --> 00:01:03,900

Small telescopes show off its rings.

9  
00:01:08,980 --> 00:01:12,380

Red Mars retains its position in the south

10  
00:01:12,379 --> 00:01:19,920

as it moves into Aquarius, recedes, and dims.

11  
00:01:22,180 --> 00:01:25,860

Backyard telescopes still show a tiny disk,

12  
00:01:25,859 --> 00:01:33,219

but surface features may be difficult to resolve.

13  
00:01:43,819 --> 00:01:47,259

Some fish, a ram, and a triangle

14  
00:01:47,260 --> 00:01:52,020

can all be found in the November night sky.

15  
00:01:52,019 --> 00:01:54,459  
Pisces, in ancient mythology,

16  
00:01:54,459 --> 00:01:59,539  
are twin fish tied together.

17  
00:01:59,540 --> 00:02:05,618  
They represent two Greek gods fleeing fire.

18  
00:02:05,620 --> 00:02:12,539  
Look for the circlets of stars high in the southern sky.

19  
00:02:15,919 --> 00:02:19,119  
Just to the east of Pisces lies Aries,

20  
00:02:19,120 --> 00:02:25,280  
the golden ram of the Greek gods.

21  
00:02:31,020 --> 00:02:35,840  
It is a dim constellation.

22  
00:02:35,840 --> 00:02:39,219  
Pisces and Aries are in the zodiac, the

23  
00:02:39,219 --> 00:02:46,120  
band of sky through which the Sun appears to travel.

24  
00:02:49,039 --> 00:02:52,900  
Triangulum, a simple geometric constellation,

25  
00:02:52,900 --> 00:02:56,120  
has been identified since ancient times.

26  
00:02:56,120 --> 00:03:01,800  
Look for it next to the Ram and the Fish.

27  
00:03:04,520 --> 00:03:09,260  
The lovely Triangulum Galaxy resides here.

28  
00:03:09,259 --> 00:03:12,679  
It belongs to the same cluster of galaxies that includes

29

00:03:12,680 --> 00:03:14,840  
our own Milky Way.

30  
00:03:14,840 --> 00:03:18,479  
Also known as M33, the galaxy is about

31  
00:03:18,479 --> 00:03:21,099  
3 million light-years distant.

32  
00:03:21,099 --> 00:03:28,799  
It can be seen in a dark sky with binoculars.

33  
00:03:43,599 --> 00:03:47,460  
Venus pops back into the predawn sky in November,

34  
00:03:47,460 --> 00:03:50,680  
spending the month in the vicinity of the bright star

35  
00:03:50,680 --> 00:03:59,360  
Spica in Virgo, especially around mid-month.

36  
00:03:59,360 --> 00:04:01,620  
Modest telescopes will reveal its

37  
00:04:01,620 --> 00:04:06,719  
crescent moon-like phase.

38  
00:04:16,660 --> 00:04:20,080  
November boasts two meteor showers.

39  
00:04:20,079 --> 00:04:23,159  
The Taurid meteor shower, spread over weeks,

40  
00:04:23,160 --> 00:04:26,920  
features 5 to 10 meteors per hour on its peak night

41  
00:04:26,920 --> 00:04:29,759  
of November 5 to 6.

42  
00:04:29,759 --> 00:04:32,319  
The meteors will streak across the sky from

43  
00:04:32,319 --> 00:04:34,659

the direction of Taurus the bull,

44

00:04:34,660 --> 00:04:37,580  
in the eastern sky at nightfall.

45

00:04:37,579 --> 00:04:40,819  
While the shower is fairly minor, it is known for

46

00:04:40,819 --> 00:04:43,819  
bright fireballs, and the sky will be dark

47

00:04:43,819 --> 00:04:46,550  
with the Moon out of the way.

48

00:04:46,550 --> 00:04:49,060  
The Leonid meteor shower is the result of

49

00:04:49,060 --> 00:04:52,360  
Earth's annual passage through the dust trails left

50

00:04:52,360 --> 00:04:54,259  
by Comet Tempel-Tuttle,

51

00:04:54,259 --> 00:04:59,339  
which returns to the inner solar system every 33 years.

52

00:04:59,339 --> 00:05:02,419  
Look for meteors radiating from the constellation of

53

00:05:02,420 --> 00:05:05,240  
Leo the lion in the evening of November

54

00:05:05,259 --> 00:05:10,560  
17 and early morning of November 18.

55

00:05:10,560 --> 00:05:16,759  
The night sky is always a celestial showcase.

56

00:05:16,759 --> 00:05:23,480  
Explore its wonders from your own backyard.