

TONIGHT'S SKY



September
2014

1
00:00:14,570 --> 00:00:10,780
your guide to constellations deep-sky

2
00:00:35,950 --> 00:00:14,580
objects planets and events tonight's sky

3
00:00:50,740 --> 00:00:40,090
just after sunset Mars and Saturn appear

4
00:01:11,830 --> 00:00:53,840
use a telescope to get a better view of

5
00:01:17,630 --> 00:01:14,780
September nights feature the wet quarter

6
00:01:23,560 --> 00:01:17,640
of the sky to neighboring constellations

7
00:01:28,790 --> 00:01:25,850
Aquarius is one of the oldest

8
00:01:31,450 --> 00:01:28,800
constellations recognized even by early

9
00:01:37,370 --> 00:01:31,460
civilizations in ancient mythologies

10
00:01:39,830 --> 00:01:37,380
Aquarius is the god of the waters look

11
00:01:47,510 --> 00:01:39,840
for the water jar a group of stars

12
00:01:50,510 --> 00:01:47,520
shaped like a why a rich compact cluster

13
00:01:55,040 --> 00:01:50,520

of stars can be seen in Aquarius known

14

00:02:01,600 --> 00:01:55,050

as m2 it contains about 150,000 stars

15

00:02:04,610 --> 00:02:01,610

located about 30 7,500 light-years away

16

00:02:07,760 --> 00:02:04,620

binoculars present it well but a small

17

00:02:19,949 --> 00:02:07,770

telescope reveals much more detail in

18

00:02:28,780 --> 00:02:22,929

nearby lies the great constellation

19

00:02:31,179 --> 00:02:28,790

capricornus known in mythology as the

20

00:02:34,720 --> 00:02:31,189

water goat it represents a creature that

21

00:02:41,589 --> 00:02:34,730

fed and watered the infant Zeus ruler of

22

00:02:47,589 --> 00:02:41,599

the Greek gods al jetty is the brightest

23

00:02:51,520 --> 00:02:47,599

star in capricornus it's visible in

24

00:02:54,910 --> 00:02:51,530

binoculars as an elongated star this odd

25

00:02:57,670 --> 00:02:54,920

shape is due to a visual trick from our

26

00:03:03,780 --> 00:02:57,680

distant vantage point two unrelated

27

00:03:11,440 --> 00:03:07,089

capricornus also hosts a dense cluster

28

00:03:28,309 --> 00:03:11,450

of stars m30 a small telescope easily

29

00:03:28,319 --> 00:03:35,190

you

30

00:03:46,059 --> 00:03:37,990

majestic Jupiter graces the early

31

00:04:05,280 --> 00:03:52,750

a telescope reveals the planets dark

32

00:04:05,290 --> 00:04:09,510

you

33

00:04:15,450 --> 00:04:12,240

this month's full moon is known as the

34

00:04:25,400 --> 00:04:15,460

Harvest Moon it rises in the east before

35

00:04:31,160 --> 00:04:28,280

the added bright moonlight lengthens the

36

00:04:38,000 --> 00:04:31,170

evening to give farmers extra time to

37

00:04:44,660 --> 00:04:38,010

harvest their crops the night sky is