

TONIGHT'S SKY

September
2013



1
00:00:14,709 --> 00:00:11,509
your guide to constellations deep sky

2
00:00:17,029 --> 00:00:14,719
objects planets and events

3
00:00:39,590 --> 00:00:17,039
tonight's sky highlights of the

4
00:00:55,670 --> 00:00:42,549
just after sunset saturn and venus

5
00:01:16,630 --> 00:00:57,590
try to catch a glimpse of them before

6
00:01:21,030 --> 00:01:19,429
september nights feature the wet quarter

7
00:01:23,350 --> 00:01:21,040
of the sky

8
00:01:27,990 --> 00:01:23,360
two neighboring constellations bear

9
00:01:33,109 --> 00:01:30,230
aquarius is one of the oldest

10
00:01:36,310 --> 00:01:33,119
constellations recognized even by early

11
00:01:42,550 --> 00:01:39,510
in ancient mythologies aquarius is the

12
00:01:45,590 --> 00:01:42,560
god of the waters

13
00:01:50,789 --> 00:01:45,600

look for the water jar a group of stars

14

00:01:56,389 --> 00:01:53,990

a rich compact cluster of stars can be

15

00:02:01,190 --> 00:01:56,399

seen in aquarius

16

00:02:04,789 --> 00:02:01,200

known as m2 it contains about 150 000

17

00:02:07,670 --> 00:02:04,799

stars located about 37

18

00:02:10,630 --> 00:02:07,680

500 light years away

19

00:02:13,510 --> 00:02:10,640

binoculars present it well but a small

20

00:02:26,229 --> 00:02:13,520

telescope reveals much more detail in

21

00:02:31,990 --> 00:02:29,510

nearby lies the great constellation

22

00:02:35,030 --> 00:02:32,000

capricornus

23

00:02:37,350 --> 00:02:35,040

known in mythology as the water goat it

24

00:02:40,229 --> 00:02:37,360

represents a creature that fed and

25

00:02:45,030 --> 00:02:40,239

watered the infant zeus ruler of the

26

00:02:51,830 --> 00:02:47,670

all jetty is the brightest star in

27

00:02:56,390 --> 00:02:54,390

it's visible in binoculars as an

28

00:03:00,309 --> 00:02:56,400

elongated star

29

00:03:03,270 --> 00:03:00,319

this odd shape is due to a visual trick

30

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

from our distant vantage point two

31

00:03:08,869 --> 00:03:05,760

unrelated stars appear to be close

32

00:03:16,149 --> 00:03:12,229

capricornus also hosts a dense cluster

33

00:03:43,190 --> 00:03:18,949

a small telescope easily resolves

34

00:03:50,070 --> 00:03:47,190

majestic jupiter rises around 2 am and

35

00:03:59,190 --> 00:03:50,080

dominates the eastern sky in the hours

36

00:04:12,309 --> 00:04:02,070

a small telescope exposes the planet's

37

00:04:28,390 --> 00:04:14,710

ruddy mars makes its appearance a little

38

00:04:28,400 --> 00:04:50,310

look for it in the eastern sky

39

00:04:54,870 --> 00:04:52,870

this month's full moon is known as the

40

00:04:57,590 --> 00:04:54,880

harvest moon

41

00:05:00,710 --> 00:04:57,600

it rises in the east just before the end

42

00:05:03,830 --> 00:05:00,720

of twilight on september 29th in north

43

00:05:06,950 --> 00:05:03,840

america september 30th in europe and

44

00:05:12,710 --> 00:05:09,510

the added bright moonlight lengthens the

45

00:05:20,390 --> 00:05:12,720

evening to give farmers extra time to

46

00:05:25,029 --> 00:05:23,749

the night sky is always a celestial

47

00:05:27,350 --> 00:05:25,039

showcase