

1
00:00:07,459 --> 00:00:14,669
your guide to constellations deep-sky

2
00:00:10,849 --> 00:00:19,429
objects planets and events tonight's sky

3
00:00:14,669 --> 00:00:19,429
highlights of the June sky

4
00:00:33,789 --> 00:00:35,850
you

5
00:00:36,070 --> 00:00:42,869
as the sun slips out of sight Jupiter

6
00:00:39,280 --> 00:00:42,870
appears above the western horizon

7
00:00:52,479 --> 00:00:57,679
your best views of it will be in early

8
00:00:55,460 --> 00:01:01,960
June the planet will sink lower and

9
00:00:57,679 --> 00:01:01,960
lower as the month progresses

10
00:01:09,010 --> 00:01:11,070
you

11
00:01:11,290 --> 00:01:28,090
turn to the south to find Saturn and

12
00:01:13,930 --> 00:01:30,240
Mars use a telescope to get a better

13
00:01:28,090 --> 00:01:30,240
look

14
00:01:45,819 --> 00:01:56,718
turn your gaze upward to find four

15
00:01:48,890 --> 00:02:02,929
distinctive constellations high overhead

16
00:01:56,718 --> 00:02:05,059
lies Bootes the herdsman find it by

17
00:02:02,929 --> 00:02:09,399
looking for its prominent kite shape

18
00:02:05,060 --> 00:02:09,399
which was noted by many ancient cultures

19
00:02:15,870 --> 00:02:24,069
arcturus is the fourth brightest star in

20
00:02:18,610 --> 00:02:30,489
the night sky the star epsilon bootis is

21
00:02:24,068 --> 00:02:33,789
also known as eyes are in binoculars

22
00:02:30,489 --> 00:02:38,110
eyes are resolved into one of the finest

23
00:02:33,789 --> 00:02:43,019
double stars in the sky the color

24
00:02:38,110 --> 00:02:43,019
contrast between the stars is striking

25
00:03:00,908 --> 00:03:11,030
just to the left of Bootes lies the

26
00:03:04,098 --> 00:03:13,639
northern crown Corona borealis this

27
00:03:11,030 --> 00:03:16,789
lovely circlet of stars represents the

28
00:03:13,639 --> 00:03:21,318
wedding crown of Ariadne the daughter of

29

00:03:16,789 --> 00:03:24,378
King minus of Crete while the stars are

30
00:03:21,318 --> 00:03:26,768
not very bright their pattern is easy to

31
00:03:24,378 --> 00:03:26,768
pick out

32
00:03:46,469 --> 00:03:52,348
the mythical strongman Hercules is also

33
00:03:50,289 --> 00:03:58,658
found high in the summer night sky

34
00:03:52,348 --> 00:04:03,488
wielding his mighty weapons the

35
00:03:58,658 --> 00:04:05,469
constellation is rather dim look for

36
00:04:03,489 --> 00:04:09,640
it's lopsided square of four stars

37
00:04:05,469 --> 00:04:12,250
called the Keystone the Keystone in

38
00:04:09,639 --> 00:04:14,469
Hercules is the key to finding one of

39
00:04:12,250 --> 00:04:18,788
the brightest globular star clusters in

40
00:04:14,469 --> 00:04:22,089
the summer night sky the wonderful

41
00:04:18,788 --> 00:04:26,110
Hercules cluster also known as m13

42
00:04:22,089 --> 00:04:29,228
contains about a million stars outside

43
00:04:26,110 --> 00:04:34,720

the Keystone lies another magnificent

44

00:04:29,228 --> 00:04:37,120

globular cluster of stars m92 globular

45

00:04:34,720 --> 00:04:41,910

clusters are collections of closely

46

00:04:37,120 --> 00:04:41,910

packed gravitationally bound stars

47

00:05:03,490 --> 00:05:10,670

Draco the dragon winds his way through

48

00:05:07,129 --> 00:05:14,600

the northern sky the dragon's head is a

49

00:05:10,670 --> 00:05:16,460

skewed square of stars look for the

50

00:05:14,600 --> 00:05:19,520

dimmiest of the corner stars in

51

00:05:16,459 --> 00:05:21,649

binoculars it resolves into two stars

52

00:05:19,519 --> 00:05:23,889

which look like a bright pair of

53

00:05:21,649 --> 00:05:23,889

headlights

54

00:05:39,129 --> 00:05:44,588

Venus appears in the early morning sky

55

00:05:41,949 --> 00:05:47,338

peeking over the eastern horizon just

56

00:05:44,588 --> 00:05:47,338

before sunrise

57

00:05:53,249 --> 00:05:58,609

a telescope will reveal the planets

58
00:05:56,309 --> 00:05:58,609
phase

59
00:06:04,740 --> 00:06:10,680
before dawn on June twenty-fourth Venus

60
00:06:08,038 --> 00:06:13,589
and the very thin crescent moon make a

61
00:06:10,680 --> 00:06:17,240
lovely pair as they rise together into

62
00:06:13,589 --> 00:06:17,239
the brightening eastern sky

63
00:06:22,259 --> 00:06:31,870
the night sky is always a celestial

64
00:06:25,959 --> 00:06:34,469
showcase explore its wonders from your

65
00:06:31,870 --> 00:06:34,470
own backyard

66
00:06:44,259 --> 00:06:46,319
you