

A night sky filled with stars, with a dark silhouette of a forest or hills in the foreground. The text 'TONIGHT'S SKY' is overlaid in red, and 'Dec. 2012' is overlaid in white at the bottom.

TONIGHT'S SKY

Dec. 2012

1
00:00:14,150 --> 00:00:11,749
constellations deep sky objects

2
00:00:15,669 --> 00:00:14,160
planets and events

3
00:00:39,190 --> 00:00:15,679
tonight's sky

4
00:00:45,270 --> 00:00:42,229
just after sunset you might be able to

5
00:00:57,110 --> 00:00:45,280
catch a glimpse of mars before it sets

6
00:01:11,750 --> 00:00:59,510
the planet will be very low on the

7
00:01:30,230 --> 00:01:13,190
by nightfall

8
00:01:34,950 --> 00:01:32,149
as the night progresses

9
00:01:52,870 --> 00:01:34,960
jupiter climbs higher into the winter

10
00:01:58,389 --> 00:01:55,190
two prominent constellations in the

11
00:02:06,069 --> 00:01:58,399
december night sky represent notable

12
00:02:13,190 --> 00:02:09,350
the great hero perseus holds the head of

13
00:02:16,949 --> 00:02:13,200

medusa the gorgon

14

00:02:20,869 --> 00:02:16,959

located in perseus is m34

15

00:02:29,030 --> 00:02:20,879

an open star cluster about 1400 light

16

00:02:34,550 --> 00:02:31,910

open star clusters are groups of young

17

00:02:39,509 --> 00:02:34,560

stars that all formed at the same time

18

00:02:59,110 --> 00:02:41,430

look for it with the naked eye or with

19

00:03:04,630 --> 00:03:01,509

queen cassiopeia was punished for her

20

00:03:11,670 --> 00:03:04,640

conceit and vanity by being tied to her

21

00:03:19,589 --> 00:03:15,110

cassiopeia's m or w shape makes this

22

00:03:22,390 --> 00:03:19,599

constellation easy to identify

23

00:03:24,470 --> 00:03:22,400

ada cassiopei is a wonderful and

24

00:03:27,430 --> 00:03:24,480

colorful double star

25

00:03:35,070 --> 00:03:27,440

use binoculars or a small telescope to

26

00:03:41,670 --> 00:03:39,110

m103 in cassiopeia is a fine open star

27

00:03:49,110 --> 00:03:41,680

cluster with a prominent red star near

28

00:03:49,120 --> 00:03:55,110

its fan shape is evident in binoculars

29

00:04:01,270 --> 00:03:58,630

lying between cassiopeia and perseus is

30

00:04:04,309 --> 00:04:01,280

the lovely double cluster

31

00:04:06,710 --> 00:04:04,319

this pair of open star clusters is easy

32

00:04:09,589 --> 00:04:06,720

to see with binoculars

33

00:04:13,030 --> 00:04:09,599

the double cluster resembles a handful

34

00:04:31,909 --> 00:04:13,040

of diamonds scattered on black velvet

35

00:04:49,510 --> 00:04:35,350

both venus and saturn are early morning

36

00:05:02,629 --> 00:04:52,390

look for them in the southeast before

37

00:05:07,830 --> 00:05:05,670

mercury poses a visual challenge during

38

00:05:10,870 --> 00:05:07,840

the first half of the month

39

00:05:31,909 --> 00:05:10,880

try to find it shining between venus and

40

00:05:37,590 --> 00:05:35,110

the mid-december night sky hosts a

41

00:05:41,029 --> 00:05:37,600

lovely meteor shower

42

00:05:44,390 --> 00:05:41,039

from december 13th to 14th the bright

43

00:05:46,070 --> 00:05:44,400

and fast geminids skip across the upper

44

00:05:48,629 --> 00:05:46,080

atmosphere

45

00:05:52,390 --> 00:05:48,639

watch for meteors zipping away from the

46

00:05:53,990 --> 00:05:52,400

constellation gemini after midnight

47

00:05:57,430 --> 00:05:54,000

in a dark sky

48

00:06:03,350 --> 00:05:57,440

you could see as many as 60

49

00:06:08,309 --> 00:06:07,029

the night sky is always a celestial

50

00:06:10,870 --> 00:06:08,319

showcase

