

TONIGHT'S SKY

December
2015



1
00:00:15,530 --> 00:00:11,110
your guide to constellations deep-sky

2
00:00:35,780 --> 00:00:15,540
objects planets and events tonight's sky

3
00:00:41,690 --> 00:00:38,480
two prominent constellations in the

4
00:00:48,550 --> 00:00:41,700
December night sky represent notable

5
00:00:58,600 --> 00:00:52,820
the great hero Perseus holds the head of

6
00:01:03,830 --> 00:00:58,610
Medusa the Gorgon located in Perseus is

7
00:01:13,070 --> 00:01:03,840
m34 an open star cluster about 1,400

8
00:01:16,249 --> 00:01:13,080
light-years away from us open star

9
00:01:18,950 --> 00:01:16,259
clusters are groups of young stars that

10
00:01:23,780 --> 00:01:18,960
all formed at the same time within a

11
00:01:26,390 --> 00:01:23,790
large cloud of dust and gas look for it

12
00:01:35,860 --> 00:01:26,400
with the naked eye or with binoculars in

13
00:01:35,870 --> 00:01:41,899

you

14

00:01:48,469 --> 00:01:45,139

Queen Cassiopeia was punished for her

15

00:01:58,130 --> 00:01:48,479

conceit and vanity by being tied to her

16

00:02:02,980 --> 00:01:58,140

throne Cassiopeia m or w shape makes

17

00:02:06,410 --> 00:02:02,990

this constellation easy to identify ADA

18

00:02:10,190 --> 00:02:06,420

Cassiopeia is a wonderful and colorful

19

00:02:13,550 --> 00:02:10,200

double star use binoculars or a small

20

00:02:21,470 --> 00:02:13,560

telescope to discern its gold and blue

21

00:02:24,380 --> 00:02:21,480

hues m103 in Cassiopeia is a fine open

22

00:02:28,309 --> 00:02:24,390

star cluster with a prominent red star

23

00:02:38,750 --> 00:02:28,319

near the center its fan shape is evident

24

00:02:42,229 --> 00:02:38,760

in binoculars lying between Cassiopeia

25

00:02:46,039 --> 00:02:42,239

and Perseus is the lovely double cluster

26

00:02:49,580 --> 00:02:46,049

this pair of open star clusters is easy

27

00:02:52,449 --> 00:02:49,590

to see with binoculars the double

28

00:02:55,789 --> 00:02:52,459

cluster resembles a handful of diamonds

29

00:03:14,800 --> 00:02:55,799

scattered on black velvet with a ruby in

30

00:03:28,330 --> 00:03:18,440

after midnight look for Jupiter shining

31

00:03:45,330 --> 00:03:31,360

a telescope reveals the planets dark

32

00:03:58,520 --> 00:03:48,900

Mars and Venus rise later in the

33

00:04:14,660 --> 00:04:01,470

catch a glimpse of them in a telescope

34

00:04:19,520 --> 00:04:17,699

late in the month Saturn makes an

35

00:04:28,360 --> 00:04:19,530

appearance above the eastern horizon

36

00:04:28,370 --> 00:04:41,780

spy it's famous rings with the telescope

37

00:04:41,790 --> 00:04:46,159

you

38

00:04:53,550 --> 00:04:49,890

the mid December night sky hosts the

39

00:04:56,939 --> 00:04:53,560

lovely geminids meteor shower the shower

40

00:05:02,879 --> 00:04:56,949

peaks on the night of December 13th to

41

00:05:07,050 --> 00:05:02,889

the 14th under a dark sky you could see

42

00:05:12,659 --> 00:05:07,060

as many as 60 multicolored meteors per

43

00:05:16,320 --> 00:05:12,669

hour the night sky is always a celestial