



Thank you!

Your meteor observation data is being uploaded, and NASA scientists will use your data in their research!

— Dr. Bill Cooke and the NASA Meteoroid Environment Office

(Tap to dismiss)

- News
- Calendar
- Observations

1
00:00:10,160 --> 00:00:06,530
new app helps NASA keep track of

2
00:00:12,470 --> 00:00:10,170
meteoroids by science at NASA surprising

3
00:00:15,140 --> 00:00:12,480
but true every day on average more than

4
00:00:17,930 --> 00:00:15,150
40 tons of meteoroids strike our planet

5
00:00:20,210 --> 00:00:17,940
most are tiny specks of Comet dust that

6
00:00:22,400 --> 00:00:20,220
disintegrates harmlessly high up in the

7
00:00:24,340 --> 00:00:22,410
Earth's atmosphere producing a slow

8
00:00:26,810 --> 00:00:24,350
drizzle of meteors in the night sky

9
00:00:29,540 --> 00:00:26,820
bigger chunks of asteroid and comet

10
00:00:31,849 --> 00:00:29,550
debris yield dozens of nightly fireballs

11
00:00:33,590 --> 00:00:31,859
around the globe some are large enough

12
00:00:36,830 --> 00:00:33,600
to pepper the ground with actual

13
00:00:39,020 --> 00:00:36,840

meteorites with so much stuff zeroing in

14

00:00:42,200 --> 00:00:39,030

on our planet NASA could use some help

15

00:00:44,990 --> 00:00:42,210

keeping track of it all enter the meteor

16

00:00:47,119 --> 00:00:45,000

counter a new iPhone app designed to

17

00:00:50,270 --> 00:00:47,129

harness the power of citizen scientists

18

00:00:52,400 --> 00:00:50,280

to keep track of meteoroids using our

19

00:00:54,319 --> 00:00:52,410

app people from all walks of life can

20

00:00:56,720 --> 00:00:54,329

contribute to authentic NASA research

21

00:00:58,369 --> 00:00:56,730

says bill Cooke of NASA's meteoroid

22

00:01:00,619 --> 00:00:58,379

environment office which sponsored the

23

00:01:03,349 --> 00:01:00,629

project the data will help us discover

24

00:01:05,750 --> 00:01:03,359

new meteor showers pinpoint comet debris

25

00:01:08,870 --> 00:01:05,760

streams and map the distribution of

26
00:01:10,340 --> 00:01:08,880
meteoroids around Earth's orbit whenever

27
00:01:13,460 --> 00:01:10,350
you go outside for a bit of stargazing

28
00:01:15,679 --> 00:01:13,470
take your iPhone iPad or iPod touch with

29
00:01:18,350 --> 00:01:15,689
you advises cook start the meteor

30
00:01:21,499 --> 00:01:18,360
counter lie down in a safe dark place

31
00:01:23,330 --> 00:01:21,509
and be alert for shooting stars the

32
00:01:26,450 --> 00:01:23,340
meteor counter operates using an

33
00:01:28,789 --> 00:01:26,460
intuitive piano key interface every time

34
00:01:31,160 --> 00:01:28,799
you see a meteor simply tap the key

35
00:01:33,109 --> 00:01:31,170
corresponding to its brightness keys on

36
00:01:35,990 --> 00:01:33,119
the Left correspond to dim meteors

37
00:01:38,660 --> 00:01:36,000
barely visible to the naked eye he's on

38
00:01:41,960 --> 00:01:38,670

the right denote jaw-dropping fireballs

39

00:01:44,359 --> 00:01:41,970

the kind you never forget with each key

40

00:01:46,219 --> 00:01:44,369

tap the meteor counter records critical

41

00:01:48,819 --> 00:01:46,229

data such as the time you saw the meteor

42

00:01:51,530 --> 00:01:48,829

the meteors magnitude and your location

43

00:01:53,810 --> 00:01:51,540

you can even turn on an optional voice

44

00:01:56,660 --> 00:01:53,820

recorder to capture your own description

45

00:01:58,310 --> 00:01:56,670

of events experts could comment on the

46

00:02:00,709 --> 00:01:58,320

trajectory and radiant to the meteor

47

00:02:04,069 --> 00:02:00,719

while novices might prefer to simply

48

00:02:05,690 --> 00:02:04,079

shout out wow afterward these data are

49

00:02:08,930 --> 00:02:05,700

automatically uploaded to NASA

50

00:02:11,270 --> 00:02:08,940

researchers for analysis the meteor

51
00:02:12,590 --> 00:02:11,280
counter is designed for all kinds of

52
00:02:14,660 --> 00:02:12,600
observers

53
00:02:17,330 --> 00:02:14,670
from experts with experience in science

54
00:02:19,310 --> 00:02:17,340
grade meteor observations to first time

55
00:02:22,130 --> 00:02:19,320
sky watchers who might never have seen a

56
00:02:24,170 --> 00:02:22,140
meteor before the beauty of our app is

57
00:02:26,600 --> 00:02:24,180
that it gradually transforms novices

58
00:02:29,090 --> 00:02:26,610
into experts as cool as an observer

59
00:02:32,180 --> 00:02:29,100
gains experience we wait their data

60
00:02:34,040 --> 00:02:32,190
accordingly in our analyses the meteor

61
00:02:36,560 --> 00:02:34,050
counter also acts as a meteor shower

62
00:02:39,200 --> 00:02:36,570
alert when an own shower is in the

63
00:02:41,930 --> 00:02:39,210

offing the app pops up a reminder for

64
00:02:43,850 --> 00:02:41,940
observers a newsfeed and events calendar

65
00:02:46,190 --> 00:02:43,860
is routinely updated by professional

66
00:02:49,370 --> 00:02:46,200
scientists to keep users informed the

67
00:02:51,350 --> 00:02:49,380
latest meteor happenings cook encourages

68
00:02:53,900 --> 00:02:51,360
citizen scientists everywhere to try it

69
00:02:56,900 --> 00:02:53,910
out the app is available free of charge

70
00:02:59,330 --> 00:02:56,910
in Apple's App Store he says just search

71
00:03:02,750 --> 00:02:59,340
for meteor counter and let the observing

72
00:03:05,030 --> 00:03:02,760
begin for more information about citizen

73
00:03:07,010 --> 00:03:05,040
science and how you can get involved in