



1
00:00:06,769 --> 00:00:04,820
what's up for July wave at Saturn as the

2
00:00:09,290 --> 00:00:06,779
Cassini spacecraft takes a picture of

3
00:00:10,900 --> 00:00:09,300
Earth hello and welcome I'm Jane Houston

4
00:00:14,900 --> 00:00:10,910
Jones from NASA's Jet Propulsion

5
00:00:16,700 --> 00:00:14,910
Laboratory in Pasadena California Saturn

6
00:00:18,890 --> 00:00:16,710
is well placed for viewing this month

7
00:00:22,580 --> 00:00:18,900
revealing its northern hemisphere and a

8
00:00:24,740 --> 00:00:22,590
ring tilt open to 17 degrees and July is

9
00:00:28,279 --> 00:00:24,750
a great month to spot Saturn's third

10
00:00:30,470 --> 00:00:28,289
largest moon I apid asan July fifteenth

11
00:00:33,860 --> 00:00:30,480
and sixteenth you'll be able to spot our

12
00:00:36,139 --> 00:00:33,870
moon near Saturn this month earth is

13
00:00:38,450 --> 00:00:36,149

also well placed for observation by

14
00:00:40,670 --> 00:00:38,460
NASA's Cassini spacecraft which has been

15
00:00:43,910 --> 00:00:40,680
orbiting the Saturn system since July of

16
00:00:45,770 --> 00:00:43,920
2004 Earth will shine from beyond the

17
00:00:47,900 --> 00:00:45,780
rings of Saturn while Cassini takes a

18
00:00:50,990 --> 00:00:47,910
mosaic of the planet and its rings on

19
00:00:53,000 --> 00:00:51,000
July 19th it'll take three hours for

20
00:00:55,639 --> 00:00:53,010
Cassini to snap portraits of the entire

21
00:00:57,740 --> 00:00:55,649
Saturn system then scientists on Earth

22
00:01:00,529 --> 00:00:57,750
will assemble the images into a single

23
00:01:03,920 --> 00:01:00,539
mosaic Earth's portrait session will

24
00:01:07,340 --> 00:01:03,930
last only about 15 minutes from 227 to

25
00:01:12,730 --> 00:01:07,350
242 p.m. Pacific Daylight Time or from

26
00:01:15,490 --> 00:01:12,740
21 27 to 2142 coordinated Universal Time

27
00:01:18,890 --> 00:01:15,500
Cassini will see a crescent earth from

28
00:01:21,289 --> 00:01:18,900
898 million miles or one point forty

29
00:01:23,420 --> 00:01:21,299
four billion kilometers that's when you

30
00:01:25,789 --> 00:01:23,430
can wave at Saturn and be part of the 1

31
00:01:28,700 --> 00:01:25,799
pixel portrait of Earth framed by

32
00:01:30,830 --> 00:01:28,710
Saturn's rings for participants in North

33
00:01:33,020 --> 00:01:30,840
and South America Saturn will be above

34
00:01:35,060 --> 00:01:33,030
the daytime eastern horizon as the

35
00:01:37,890 --> 00:01:35,070
images being taken but you won't be able

36
00:01:39,570 --> 00:01:37,900
to see the planet until it's dark

37
00:01:42,120 --> 00:01:39,580
after dark you'll have no trouble

38
00:01:44,940 --> 00:01:42,130

locating Saturn it's between the moon

39
00:01:46,860 --> 00:01:44,950
and Venus you can check out our timezone

40
00:01:49,200 --> 00:01:46,870
table to see what time the picture will

41
00:01:51,420 --> 00:01:49,210
be taken in your part of the world the

42
00:01:53,580 --> 00:01:51,430
light representing your wave will have

43
00:01:56,580 --> 00:01:53,590
an 80 minute trip to the open shutters

44
00:01:58,380 --> 00:01:56,590
on Cassini's cameras send images of you

45
00:02:00,990 --> 00:01:58,390
and your friends and family waving at

46
00:02:03,480 --> 00:02:01,000
Saturn or any Saturn related pictures to

47
00:02:06,150 --> 00:02:03,490
our Flickr page or use the hashtag wave

48
00:02:08,100 --> 00:02:06,160
at Saturn on Facebook and Twitter you

49
00:02:10,290 --> 00:02:08,110
can read about when and where to wave on

50
00:02:12,480 --> 00:02:10,300
the Cassini missions wave at Saturn web

51
00:02:16,949 --> 00:02:12,490
page and read blogs by members of the

52
00:02:21,240 --> 00:02:16,959
Cassini team at Saturn JPL nasa gov /

53
00:02:23,250 --> 00:02:21,250
news / wave at saturn and you can read

54
00:02:27,480 --> 00:02:23,260
about all of NASA's missions including