1
00:00:00,220 --> 00:00:03,010
[Music]

2
00:00:10,610 --> 00:00:06,920
what's up for April the moon Mars and

3
00:00:12,560 --> 00:00:10,620
Saturn and the Lyrid meteor shower hello

4
00:00:14,450 --> 00:00:12,570
and welcome I'm Jane Houston Jones from

5
00:00:17,240 --> 00:00:14,460
NASA's Jet Propulsion Laboratory in

6
00:00:20,359 --> 00:00:17,250
Pasadena California you won't want to

7
00:00:22,870 --> 00:00:20,369
miss red Mars and gold and Saturn in the

8
00:00:25,609 --> 00:00:22,880
south-southeast morning skies this month

9
00:00:28,279 --> 00:00:25,619
Marsh shines a little brighter than last

10
00:00:31,070 --> 00:00:28,289
month by the seventh the moon joins the

11
00:00:35,270 --> 00:00:31,080
pair from a dark sky you may see some

12
00:00:37,729 --> 00:00:35,280
glow from the nearby Milky Way mid month

13
00:00:40,010 --> 00:00:37,739

start looking for Liron meteors which

14
00:00:44,150 --> 00:00:40,020
are active from April 14th through the

15
00:00:46,340 --> 00:00:44,160
30th they peak on the 22nd in the early

16
00:00:48,500 --> 00:00:46,350
morning sky a patient observer will see

17
00:00:52,069 --> 00:00:48,510
up to more than a dozen meteors per hour

18
00:00:55,959 --> 00:00:52,079
in this medium strength shower with 18

19
00:00:58,790 --> 00:00:55,969
meteors per hour calculated for the peak

20
00:01:00,939 --> 00:00:58,800
us observers should see good rates on

21
00:01:03,619 --> 00:01:00,949
the nights before and after this peak a

22
00:01:06,230 --> 00:01:03,629
bright first quarter moon plays havoc

23
00:01:09,020 --> 00:01:06,240
with sky conditions marring most of the

24
00:01:10,880 --> 00:01:09,030
typically faint Lyrid meteors but Lyra

25
00:01:13,609 --> 00:01:10,890
will be high overhead after the moon

26
00:01:15,280 --> 00:01:13,619
sets at midnight so that's the best time

27
00:01:18,140 --> 00:01:15,290
to look for Lyrids

28
00:01:20,950 --> 00:01:18,150
through a telescope Jupiter's cloud

29
00:01:24,020 --> 00:01:20,960
belts and zones are easy to see and

30
00:01:27,050 --> 00:01:24,030
watch the Great Red Spot transit or

31
00:01:30,289 --> 00:01:27,060
cross the visible earth-facing disk of

32
00:01:32,390 --> 00:01:30,299
Jupiter every eight hours the Juno

33
00:01:35,810 --> 00:01:32,400
spacecraft continues to orbit Jupiter

34
00:01:38,539 --> 00:01:35,820
and Juno Juno camp citizen science team

35
00:01:41,060 --> 00:01:38,549
is creating exciting images of Jupiter's

36
00:01:43,249 --> 00:01:41,070
features based on the latest spacecraft

37
00:01:46,550 --> 00:01:43,259
data next month Jupiter is that

38
00:01:49,249 --> 00:01:46,560

opposition when it rises at sunset sets

39
00:01:51,859 --> 00:01:49,259
at sunrise and offers great views for

40
00:01:54,740 --> 00:01:51,869
several months you can catch up on solar

41
00:01:58,270 --> 00:01:54,750
system missions to Jupiter like Juno and

42
00:02:01,340 --> 00:01:58,280
all of NASA's missions at www.nasa.gov

43
00:02:02,620 --> 00:02:01,350
that's all for this month I'm Jane