1
00:00:07,190 --> 00:00:05,180
what's up for februari the moon hello

2
00:00:09,259 --> 00:00:07,200
and welcome I'm Jane Houston Jones from

3
00:00:13,789 --> 00:00:09,269
NASA's Jet Propulsion Laboratory in

4
00:00:15,499 --> 00:00:13,799
Pasadena California during 2009 we'll be

5
00:00:18,170 --> 00:00:15,509
celebrating international year of

6
00:00:20,630 --> 00:00:18,180
astronomy by taking you on a tour of one

7
00:00:24,920 --> 00:00:20,640
of the month's best celestial objects

8
00:00:27,320 --> 00:00:24,930
this month it's the moon everyone can

9
00:00:28,790 --> 00:00:27,330
see the moon even in the daytime you

10
00:00:32,030 --> 00:00:28,800
don't even need a telescope or

11
00:00:34,190 --> 00:00:32,040
binoculars to see the moon when you gaze

12
00:00:36,889 --> 00:00:34,200
at the moon you'll see the same views

13
00:00:39,799 --> 00:00:36,899

that enchanted and startled ancient

14
00:00:41,780 --> 00:00:39,809
astronomers centuries ago during the

15
00:00:44,319 --> 00:00:41,790
full moon you can see patterns in the

16
00:00:49,010 --> 00:00:44,329
dark and light geologic surface features

17
00:01:08,630 --> 00:00:55,280
and others see a man on the moon what do

18
00:01:14,190 --> 00:01:11,160
skywatchers have observed and pondered

19
00:01:17,130 --> 00:01:14,200
the moon for centuries in the summer of

20
00:01:19,530 --> 00:01:17,140
1609 English mathematician Thomas

21
00:01:21,960 --> 00:01:19,540
Harriot was the first to aim his simple

22
00:01:24,900 --> 00:01:21,970
telescope at the moon and sketch what he

23
00:01:27,450 --> 00:01:24,910
saw his drawings show the lunar

24
00:01:30,300 --> 00:01:27,460
Terminator the line marking the division

25
00:01:32,700 --> 00:01:30,310
of day and night on the moon they also

26
00:01:35,520 --> 00:01:32,710
show some of the dark features including

27
00:01:37,590 --> 00:01:35,530
the Sea of Tranquility Harriet went on

28
00:01:41,430 --> 00:01:37,600
to create lunar maps over the next few

29
00:01:44,249 --> 00:01:41,440
years but Galileo's famous observations

30
00:01:48,150 --> 00:01:44,259
from later in 1609 were the first to be

31
00:01:50,580 --> 00:01:48,160
published and publicized in 1610 these

32
00:01:53,130 --> 00:01:50,590
first views and maps of the moon through

33
00:01:56,639 --> 00:01:53,140
telescopes revealed previously unknown

34
00:01:59,430 --> 00:01:56,649
jagged lunar surfaces fast-forward to

35
00:02:01,910 --> 00:01:59,440
the 20th century and beyond more than 70

36
00:02:04,830 --> 00:02:01,920
spacecraft have visited the moon so far

37
00:02:08,609 --> 00:02:04,840
12 men walked on the lunar surface and

38
00:02:10,830 --> 00:02:08,619

six of these drove lunar Rovers plans

39
00:02:13,289 --> 00:02:10,840
are underway for astronauts to return to

40
00:02:15,240 --> 00:02:13,299
the moon NASA's unmanned lunar

41
00:02:17,280 --> 00:02:15,250
reconnaissance orbiter launching this

42
00:02:19,380 --> 00:02:17,290
year will collect valuable information

43
00:02:21,120 --> 00:02:19,390
about the moon's environment that will

44
00:02:23,699 --> 00:02:21,130
help pave the way for those future

45
00:02:25,740 --> 00:02:23,709
missions besides the moon be sure to

46
00:02:28,920 --> 00:02:25,750
look at brilliant Venus in the western

47
00:02:31,310 --> 00:02:28,930
sky at sunset and look for Saturn in the

48
00:02:33,930 --> 00:02:31,320
eastern sky a few hours later this month

49
00:02:35,970 --> 00:02:33,940
you can read more about the moon and our

50
00:02:38,539 --> 00:02:35,980
planetary neighbor hood on NASA's

51
00:02:43,920 --> 00:02:38,549
international year of astronomy website

52
00:02:47,550 --> 00:02:43,930
astronomy 2009 NASA govt and you can

53
00:02:51,270 --> 00:02:47,560
learn all about NASA's missions at wns