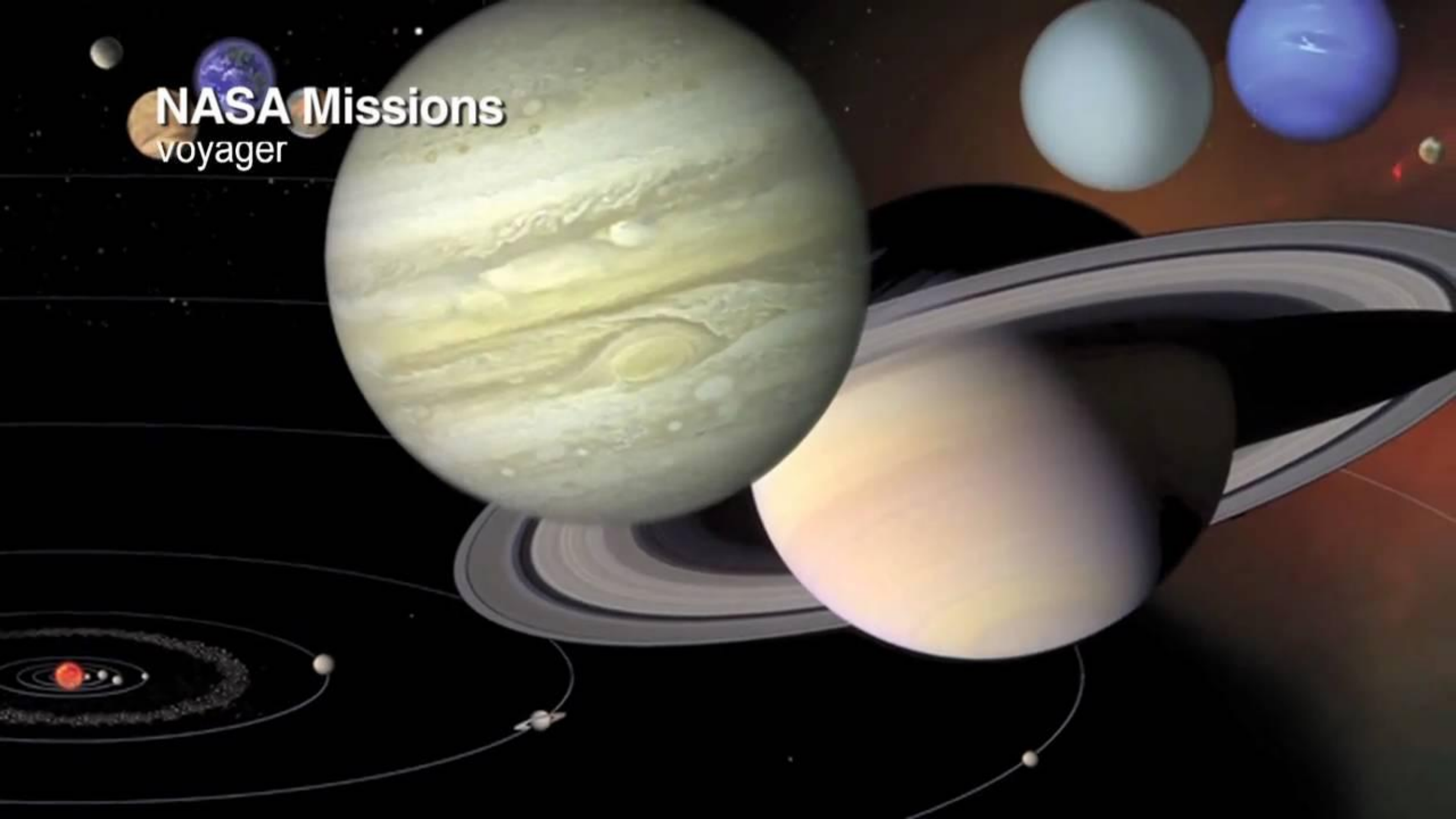


NASA Missions

voyager



1
00:00:06,550 --> 00:00:03,830
what's up for october

2
00:00:09,270 --> 00:00:06,560
the solar system you can see and a skill

3
00:00:11,270 --> 00:00:09,280
model you can make hello and welcome i'm

4
00:00:13,190 --> 00:00:11,280
jane houston jones at nasa's jet

5
00:00:14,470 --> 00:00:13,200
propulsion laboratory in pasadena

6
00:00:16,470 --> 00:00:14,480
california

7
00:00:19,189 --> 00:00:16,480
this month we begin a year of the solar

8
00:00:21,670 --> 00:00:19,199
system celebration exploring new worlds

9
00:00:24,070 --> 00:00:21,680
and new discoveries we'll celebrate the

10
00:00:26,390 --> 00:00:24,080
amazing discoveries of nasa missions as

11
00:00:28,950 --> 00:00:26,400
they explore our near and distant

12
00:00:30,950 --> 00:00:28,960
neighbors and probe the very outer edges

13
00:00:32,870 --> 00:00:30,960

of our solar system

14

00:00:35,510 --> 00:00:32,880

how many solar system objects can you

15

00:00:38,709 --> 00:00:35,520

see this month

16

00:00:40,709 --> 00:00:38,719

october is prime jupiter season

17

00:00:43,590 --> 00:00:40,719

through a small telescope you can see

18

00:00:45,270 --> 00:00:43,600

cloud bands and four moons

19

00:00:47,430 --> 00:00:45,280

you can see even more detail through

20

00:00:50,150 --> 00:00:47,440

larger instruments

21

00:00:52,150 --> 00:00:50,160

near jupiter you can spark uranus

22

00:00:56,069 --> 00:00:52,160

they look close together but uranus is

23

00:00:58,069 --> 00:00:56,079

really 1.4 million miles farther away

24

00:01:00,229 --> 00:00:58,079

we say goodbye to venus in the evening

25

00:01:03,029 --> 00:01:00,239

sky as it slips around the sun and

26
00:01:05,990 --> 00:01:03,039
prepares to appear in the morning sky

27
00:01:07,910 --> 00:01:06,000
saturn peaks out at dawn this month

28
00:01:10,630 --> 00:01:07,920
mars and mercury are difficult to

29
00:01:12,550 --> 00:01:10,640
impossible to see this month

30
00:01:13,910 --> 00:01:12,560
which solar system objects have we left

31
00:01:15,270 --> 00:01:13,920
out

32
00:01:19,429 --> 00:01:15,280
earth

33
00:01:20,469 --> 00:01:19,439
features found on other solar system

34
00:01:22,310 --> 00:01:20,479
bodies

35
00:01:24,070 --> 00:01:22,320
clouds

36
00:01:27,670 --> 00:01:24,080
lakes

37
00:01:29,910 --> 00:01:27,680
mountains and valleys

38
00:01:32,469 --> 00:01:29,920

you can view our sun safely through

39

00:01:34,630 --> 00:01:32,479

solar safe telescopes but never look

40

00:01:36,789 --> 00:01:34,640

directly at the sun or you'll hurt your

41

00:01:39,109 --> 00:01:36,799

eyes

42

00:01:41,030 --> 00:01:39,119

the moon is visible in our sky all month

43

00:01:43,190 --> 00:01:41,040

long

44

00:01:45,670 --> 00:01:43,200

the moon appears above jupiter at dusk

45

00:01:48,230 --> 00:01:45,680

on october 19th

46

00:01:50,069 --> 00:01:48,240

a few days later on the 22nd the bright

47

00:01:53,429 --> 00:01:50,079

moon will wash out the meteors of the

48

00:01:57,749 --> 00:01:55,510

one special comet is visible this month

49

00:02:00,389 --> 00:01:57,759

through binoculars or telescopes it

50

00:02:04,149 --> 00:02:00,399

might even be visible to the unaided eye

51
00:02:06,870 --> 00:02:04,159
it's called comet 103p hartley 2 or just

52
00:02:08,710 --> 00:02:06,880
hartley 2 for short

53
00:02:10,550 --> 00:02:08,720
it should be easy to spot passing

54
00:02:12,790 --> 00:02:10,560
through the constellations auriga and

55
00:02:15,430 --> 00:02:12,800
gemini this month

56
00:02:17,910 --> 00:02:15,440
nasa's deep impact spacecraft on its

57
00:02:19,750 --> 00:02:17,920
extended mission will fly by this comet

58
00:02:21,910 --> 00:02:19,760
in november

59
00:02:24,790 --> 00:02:21,920
here's an image the spacecraft took 60

60
00:02:26,869 --> 00:02:24,800
days before its encounter

61
00:02:28,229 --> 00:02:26,879
you can make your own scale model of the

62
00:02:30,470 --> 00:02:28,239
solar system

63
00:02:32,949 --> 00:02:30,480

all you need is a string and some beads

64

00:02:34,710 --> 00:02:32,959

to mark the planets

65

00:02:37,990 --> 00:02:34,720

and here's where you can get a guide for

66

00:02:43,589 --> 00:02:39,750

to learn more about all of nasa's