



1  
00:00:06,610 --> 00:00:04,670  
what's up for September it's the 30th

2  
00:00:09,230 --> 00:00:06,620  
anniversary of the Voyager mission

3  
00:00:12,980 --> 00:00:09,240  
Voyager flew by and studied Jupiter

4  
00:00:15,320 --> 00:00:12,990  
Saturn Uranus and Neptune and guess what

5  
00:00:17,870 --> 00:00:15,330  
all four of these planets can be seen in

6  
00:00:20,179 --> 00:00:17,880  
the night sky this month hello and

7  
00:00:22,220 --> 00:00:20,189  
welcome I'm Jane Houston Jones at NASA's

8  
00:00:25,490 --> 00:00:22,230  
Jet Propulsion Laboratory in Pasadena

9  
00:00:28,040 --> 00:00:25,500  
California Jupiter is the easiest of the

10  
00:00:30,050 --> 00:00:28,050  
four planets to see just step outside

11  
00:00:31,220 --> 00:00:30,060  
after dinnertime and look in the

12  
00:00:34,220 --> 00:00:31,230  
southwest sky

13  
00:00:36,620 --> 00:00:34,230

that bright thing you see is Jupiter now

14

00:00:41,869 --> 00:00:36,630

turn yourself around that's where you'll

15

00:00:43,310 --> 00:00:41,879

find both Uranus and Neptune you really

16

00:00:45,860 --> 00:00:43,320

won't be able to see Uranus and Neptune

17

00:00:48,740 --> 00:00:45,870

without a little help Uranus will

18

00:00:51,500 --> 00:00:48,750

require some binoculars and Neptune will

19

00:00:53,360 --> 00:00:51,510

definitely require a telescope but boy

20

00:00:55,459 --> 00:00:53,370

it's really worth it to see these two

21

00:00:58,279 --> 00:00:55,469

the gorgeous blue color will just knock

22

00:00:59,330 --> 00:00:58,289

your socks off there's one more planet

23

00:01:02,540 --> 00:00:59,340

you can see this month

24

00:01:04,840 --> 00:01:02,550

it's Saturn Lord of the Rings and this

25

00:01:07,460 --> 00:01:04,850

one is just perfect for you early risers

26

00:01:09,710 --> 00:01:07,470

just step outside about an hour before

27

00:01:13,420 --> 00:01:09,720

the Sun rises and look in the eastern

28

00:01:16,910 --> 00:01:13,430

sky that golden glow you see is Saturn

29

00:01:19,130 --> 00:01:16,920

it took Voyager 2 spacecraft and a dozen

30

00:01:21,350 --> 00:01:19,140

years to see these four planets and

31

00:01:24,679 --> 00:01:21,360

guess what you've just seen them in one

32

00:01:26,539 --> 00:01:24,689

night the two Voyager spacecraft are

33

00:01:29,200 --> 00:01:26,549

still healthy and are sending back data

34

00:01:31,370 --> 00:01:29,210

from the far reaches of our solar system

35

00:01:36,109 --> 00:01:31,380

you can learn about all of NASA's

36

00:01:41,060 --> 00:01:36,119

missions at WWDC gov for this month's

37

00:01:44,569 --> 00:01:41,070

star charts visit education JPL NASA gov

38

00:01:45,469 --> 00:01:44,579

and click on the what's up button that's