

KENNEDY COUNTDOWN



1
00:00:07,370 --> 00:00:03,669
hi i'm nasa kennedy's you're at the wolf

2
00:00:09,910 --> 00:00:07,380
and this is kennedy countdown

3
00:00:11,749 --> 00:00:09,920
[Music]

4
00:00:15,350 --> 00:00:11,759
nasa's laser communications relay

5
00:00:18,230 --> 00:00:15,360
demonstration or lcrd launched aboard a

6
00:00:21,109 --> 00:00:18,240
united launch alliance atlas 5 rocket

7
00:00:23,269 --> 00:00:21,119
from launch complex 41 on cape canaveral

8
00:00:26,630 --> 00:00:23,279
space force station in florida on

9
00:00:28,710 --> 00:00:26,640
december 7th at 5 19 a.m eastern time

10
00:00:30,550 --> 00:00:28,720
the satellite system launched as part of

11
00:00:33,110 --> 00:00:30,560
the department of defense's space test

12
00:00:34,790 --> 00:00:33,120
program 3 mission along with another

13
00:00:37,110 --> 00:00:34,800

nasa payload

14

00:00:38,630 --> 00:00:37,120

the ultraviolet spectral coronagraph

15

00:00:41,510 --> 00:00:38,640

pathfinder

16

00:00:44,310 --> 00:00:41,520

lcrd will test nasa's first end-to-end

17

00:00:46,630 --> 00:00:44,320

laser communication relay system

18

00:00:50,869 --> 00:00:46,640

demonstrating 10 to 100 times more

19

00:00:56,790 --> 00:00:53,670

just two days later nasa's imaging s3

20

00:00:59,510 --> 00:00:56,800

polarimetry explorer or xp launched

21

00:01:01,510 --> 00:00:59,520

aboard a spacex falcon 9 rocket from

22

00:01:04,549 --> 00:01:01,520

kennedy space center's launch complex

23

00:01:06,390 --> 00:01:04,559

39a during the early morning hours on

24

00:01:09,030 --> 00:01:06,400

december 9th

25

00:01:11,190 --> 00:01:09,040

xp is the agency's first satellite

26
00:01:12,390 --> 00:01:11,200
dedicated to measuring the polarization

27
00:01:15,270 --> 00:01:12,400
of x-rays

28
00:01:17,429 --> 00:01:15,280
from a variety of cosmic sources

29
00:01:19,990 --> 00:01:17,439
the observatory will fly three space

30
00:01:22,630 --> 00:01:20,000
telescopes with sensitive detectors

31
00:01:26,310 --> 00:01:22,640
capable of collecting and making images

32
00:01:29,270 --> 00:01:26,320
of x-rays from black holes neutron stars

33
00:01:31,990 --> 00:01:29,280
and other cosmic phenomena

34
00:01:34,149 --> 00:01:32,000
xp will study about 40 celestial objects

35
00:01:35,510 --> 00:01:34,159
during his first year in space

36
00:01:38,149 --> 00:01:35,520
with more detailed follow-up

37
00:01:40,469 --> 00:01:38,159
observations during its second year

38
00:01:43,429 --> 00:01:40,479

xp's launch was managed by nasa's launch

39

00:01:45,270 --> 00:01:43,439

services program based at kennedy

40

00:01:48,230 --> 00:01:45,280

to keep up with kennedy follow us on