
TW@N
THIS WEEK @ NASA

1
00:00:04,230 --> 00:00:02,230
a new class of astronaut candidates

2
00:00:07,030 --> 00:00:04,240
highlighting the next era of space

3
00:00:09,270 --> 00:00:07,040
communications and a new x-ray satellite

4
00:00:12,629 --> 00:00:09,280
mission a few of the stories to tell you

5
00:00:14,549 --> 00:00:12,639
about this week at nasa

6
00:00:16,470 --> 00:00:14,559
on december 6th we introduced the

7
00:00:18,230 --> 00:00:16,480
agency's newest class of astronaut

8
00:00:20,310 --> 00:00:18,240
candidates during a ceremony at

9
00:00:22,950 --> 00:00:20,320
ellington field near our johnson space

10
00:00:24,630 --> 00:00:22,960
center in houston the ten new candidates

11
00:00:27,189 --> 00:00:24,640
were selected from more than twelve

12
00:00:29,669 --> 00:00:27,199
thousand applicants next month they will

13
00:00:31,349 --> 00:00:29,679

begin a two-year training program after

14
00:00:33,270 --> 00:00:31,359
that training is complete they could be

15
00:00:35,430 --> 00:00:33,280
eligible for a variety of flight

16
00:00:38,069 --> 00:00:35,440
assignments including artemis missions

17
00:00:41,270 --> 00:00:38,079
on and around the moon for more details

18
00:00:43,430 --> 00:00:41,280
visit nasa.gov astronauts

19
00:00:45,670 --> 00:00:43,440
on december 7th nasa's laser

20
00:00:49,430 --> 00:00:45,680
communications relay demonstration or

21
00:00:51,990 --> 00:00:49,440
lcrd and a joint nasa u.s naval research

22
00:00:54,389 --> 00:00:52,000
laboratory experiment on solar energetic

23
00:00:56,150 --> 00:00:54,399
particles rode to space on a department

24
00:00:57,750 --> 00:00:56,160
of defense mission from cape canaveral

25
00:01:00,549 --> 00:00:57,760
space force station

26
00:01:03,110 --> 00:01:00,559
lcrt aims to highlight the next era of

27
00:01:05,509 --> 00:01:03,120
space communications it will demonstrate

28
00:01:08,070 --> 00:01:05,519
space to ground laser communications and

29
00:01:10,710 --> 00:01:08,080
will also receive and transmit data from

30
00:01:12,950 --> 00:01:10,720
an optical terminal that nasa will place

31
00:01:15,670 --> 00:01:12,960
on the international space station

32
00:01:18,390 --> 00:01:15,680
the imaging x-ray polarimetry explorer

33
00:01:21,030 --> 00:01:18,400
or xp mission launched december 9th on a

34
00:01:23,109 --> 00:01:21,040
spacex falcon 9 rocket from our kennedy

35
00:01:25,749 --> 00:01:23,119
space center in florida

36
00:01:28,149 --> 00:01:25,759
xp a collaboration between nasa and the

37
00:01:30,230 --> 00:01:28,159
italian space agency is the first

38
00:01:33,030 --> 00:01:30,240

satellite dedicated to measuring the

39
00:01:35,749 --> 00:01:33,040
polarization of x-rays from a variety of

40
00:01:37,270 --> 00:01:35,759
cosmic sources such as black holes and

41
00:01:39,429 --> 00:01:37,280
neutron stars

42
00:01:41,510 --> 00:01:39,439
the mission could help scientists answer

43
00:01:43,990 --> 00:01:41,520
fundamental questions about extremely

44
00:01:46,469 --> 00:01:44,000
complex environments in space where

45
00:01:48,789 --> 00:01:46,479
gravitational electric and magnetic

46
00:01:51,190 --> 00:01:48,799
fields are at their limits

47
00:01:53,030 --> 00:01:51,200
the nasa family is mourning the passing

48
00:01:55,270 --> 00:01:53,040
of mark geyer

49
00:01:56,469 --> 00:01:55,280
following a cancer diagnosis earlier

50
00:01:58,709 --> 00:01:56,479
this year

51
00:02:01,109 --> 00:01:58,719
guyer moved from his position as center

52
00:02:03,429 --> 00:02:01,119
director of the johnson space center to

53
00:02:06,630 --> 00:02:03,439
a new role as senior adviser to

54
00:02:08,869 --> 00:02:06,640
associate administrator bob cabana

55
00:02:11,830 --> 00:02:08,879
in a statement on guyer's passing

56
00:02:14,070 --> 00:02:11,840
administrator bill nelson called geyer a

57
00:02:15,990 --> 00:02:14,080
giant for human space flight who

58
00:02:18,869 --> 00:02:16,000
believed we should constantly venture

59
00:02:22,630 --> 00:02:18,879
farther into the cosmos for the benefit

60
00:02:27,030 --> 00:02:25,110
on december 7th nasa administrator bill

61
00:02:29,350 --> 00:02:27,040
nelson and deputy administrator pam

62
00:02:31,589 --> 00:02:29,360
melroy visited our stennis space center

63
00:02:33,750 --> 00:02:31,599

in south mississippi stennis the

64
00:02:35,910 --> 00:02:33,760
nation's premier rocket propulsion test

65
00:02:38,150 --> 00:02:35,920
facility is where next generation

66
00:02:40,869 --> 00:02:38,160
engines and other hardware for our space

67
00:02:43,270 --> 00:02:40,879
launch system or sls moon rocket are

68
00:02:45,350 --> 00:02:43,280
being tested the next day they toured

69
00:02:48,070 --> 00:02:45,360
the agency's michoud assembly facility

70
00:02:50,790 --> 00:02:48,080
in new orleans to see work being done in

71
00:02:53,509 --> 00:02:50,800
support of nasa's exploration missions

72
00:02:55,750 --> 00:02:53,519
misshud the agency's rocket factory

73
00:02:58,390 --> 00:02:55,760
builds components for the sls and the

74
00:02:59,589 --> 00:02:58,400
orion spacecraft that will return humans

75
00:03:02,390 --> 00:02:59,599
to the moon

76
00:03:04,790 --> 00:03:02,400
on december 8 a russian soyuz spacecraft

77
00:03:07,509 --> 00:03:04,800
carrying cosmonaut alexander mercerkin

78
00:03:09,750 --> 00:03:07,519
of ross cosmos and two japanese space

79
00:03:11,350 --> 00:03:09,760
flight participants launched to the

80
00:03:12,550 --> 00:03:11,360
international space station from

81
00:03:14,869 --> 00:03:12,560
kazakhstan

82
00:03:16,949 --> 00:03:14,879
the trio is scheduled to spend about 12

83
00:03:18,390 --> 00:03:16,959
days on the orbital outpost before

84
00:03:20,630 --> 00:03:18,400
returning to earth

85
00:03:22,550 --> 00:03:20,640
that's what's up this week at nasa for

86
00:03:29,370 --> 00:03:22,560
more on these and other stories follow