
TW@N
THIS WEEK @ NASA

1
00:00:04,550 --> 00:00:02,710
the launch of our first planetary

2
00:00:06,550 --> 00:00:04,560
defense test mission a new docking

3
00:00:08,629 --> 00:00:06,560
module for the space station and

4
00:00:10,870 --> 00:00:08,639
shielding the orion spacecraft from the

5
00:00:12,789 --> 00:00:10,880
heat a few of the stories to tell you

6
00:00:15,110 --> 00:00:12,799
about this week at nasa

7
00:00:17,510 --> 00:00:15,120
nasa's double asteroid redirection test

8
00:00:19,990 --> 00:00:17,520
or dart mission launched november 24th

9
00:00:22,230 --> 00:00:20,000
eastern standard time on a spacex falcon

10
00:00:23,670 --> 00:00:22,240
9 rocket from california's vandenberg

11
00:00:25,750 --> 00:00:23,680
space force base

12
00:00:28,470 --> 00:00:25,760
the mission will crash a spacecraft into

13
00:00:30,710 --> 00:00:28,480

an asteroid on purpose to see if it is a

14
00:00:32,630 --> 00:00:30,720
viable way to change the trajectory of

15
00:00:34,630 --> 00:00:32,640
an asteroid that might be on a collision

16
00:00:37,430 --> 00:00:34,640
course with earth in the future

17
00:00:39,830 --> 00:00:37,440
in fall 2022 the dart spacecraft will

18
00:00:42,630 --> 00:00:39,840
impact a small moonlit asteroid within

19
00:00:44,950 --> 00:00:42,640
the ditamas binary asteroid system

20
00:00:46,069 --> 00:00:44,960
dart's target asteroid is not a threat

21
00:00:48,150 --> 00:00:46,079
to earth

22
00:00:49,830 --> 00:00:48,160
in an online video they shot while on

23
00:00:51,830 --> 00:00:49,840
board the international space station

24
00:00:54,869 --> 00:00:51,840
nasa astronaut shane kimbrough and

25
00:00:56,950 --> 00:00:54,879
european space agency astronaut thomas k

26
00:00:59,270 --> 00:00:56,960
used what looks like a microgravity

27
00:01:01,270 --> 00:00:59,280
pillow fight to demonstrate the kinetic

28
00:01:03,590 --> 00:01:01,280
impactor technique the dart mission will

29
00:01:05,910 --> 00:01:03,600
use to deflect an asteroid

30
00:01:07,510 --> 00:01:05,920
shane is going to be the asteroid

31
00:01:09,830 --> 00:01:07,520
and i'm going to be the nasa dart

32
00:01:13,990 --> 00:01:09,840
mission you ready

33
00:01:17,510 --> 00:01:15,590
you can check out the full video at

34
00:01:19,190 --> 00:01:17,520
go.nasa.gov

35
00:01:21,590 --> 00:01:19,200
dart on station

36
00:01:23,109 --> 00:01:21,600
the 5-ton pre-show docking module was

37
00:01:25,910 --> 00:01:23,119
launched to the space station from

38
00:01:28,070 --> 00:01:25,920

kazakhstan on november 24th it was

39
00:01:30,550 --> 00:01:28,080
delivered by a progress spacecraft two

40
00:01:33,030 --> 00:01:30,560
days later pre-shall the russian word

41
00:01:35,109 --> 00:01:33,040
for port or birth has five available

42
00:01:36,710 --> 00:01:35,119
docking ports to accommodate multiple

43
00:01:38,630 --> 00:01:36,720
russian spacecraft

44
00:01:40,630 --> 00:01:38,640
on november 9th our super guppy

45
00:01:42,950 --> 00:01:40,640
transport aircraft landed at moffett

46
00:01:45,030 --> 00:01:42,960
federal airfield near our ames research

47
00:01:47,350 --> 00:01:45,040
center in northern california with the

48
00:01:49,749 --> 00:01:47,360
orion spacecraft's heat shield skin for

49
00:01:51,749 --> 00:01:49,759
our artemis 4 mission the heat shield

50
00:01:53,429 --> 00:01:51,759
skin will undergo heat and pressure

51
00:01:55,670 --> 00:01:53,439
treatment in california to give it the

52
00:01:58,230 --> 00:01:55,680
mechanical strength properties needed

53
00:02:00,469 --> 00:01:58,240
for orion's thermal protection system

54
00:02:02,550 --> 00:02:00,479
the heat shield will protect orion and

55
00:02:04,709 --> 00:02:02,560
astronauts inside the spacecraft from

56
00:02:06,789 --> 00:02:04,719
the intense heat generated on the return

57
00:02:09,190 --> 00:02:06,799
trip through earth's atmosphere near the

58
00:02:11,190 --> 00:02:09,200
end of the mission in their thanksgiving

59
00:02:13,589 --> 00:02:11,200
day message members of the international

60
00:02:15,430 --> 00:02:13,599
space station's expedition 66 crew

61
00:02:18,550 --> 00:02:15,440
talked about what the holiday means for

62
00:02:21,190 --> 00:02:18,560
them for us it's the food is a big part

63
00:02:23,270 --> 00:02:21,200

of it both being thankful for the fact

64
00:02:25,110 --> 00:02:23,280
that we we have it and we can enjoy it

65
00:02:27,190 --> 00:02:25,120
but also is a reason to come together

66
00:02:29,270 --> 00:02:27,200
with all of our family and friends

67
00:02:31,509 --> 00:02:29,280
okay and i guess you're interested what

68
00:02:33,030 --> 00:02:31,519
we are going to eat during thanksgiving

69
00:02:35,110 --> 00:02:33,040
i've got some

70
00:02:37,830 --> 00:02:35,120
crab bisque here so that looks looking

71
00:02:39,830 --> 00:02:37,840
pretty good got the the best case here

72
00:02:41,190 --> 00:02:39,840
the the best one everyone's after the

73
00:02:43,430 --> 00:02:41,200
roasted turkey

74
00:02:45,589 --> 00:02:43,440
i also have potatoes of gratin

75
00:02:47,589 --> 00:02:45,599
yeah i found a dessert

76
00:02:50,229 --> 00:02:47,599
cherry blueberry cobbler happy

77
00:02:52,470 --> 00:02:50,239
thanksgiving happy thanksgiving that's

78
00:02:54,390 --> 00:02:52,480
what's up this week at nasa for more on