
NASA
STUDYING EARTH'S WEATHER

1
00:00:13,350 --> 00:00:10,470
this week at nasa

2
00:00:15,910 --> 00:00:13,360
liftoff of alexander schwarzer tracy

3
00:00:17,349 --> 00:00:15,920
caldwell dyson and mikhail

4
00:00:19,349 --> 00:00:17,359
beginning their journey to the

5
00:00:21,910 --> 00:00:19,359
international space station the new

6
00:00:23,830 --> 00:00:21,920
members of the expedition 23 crew began

7
00:00:25,990 --> 00:00:23,840
their journey to the international space

8
00:00:28,790 --> 00:00:26,000
station with a successful launch from

9
00:00:31,429 --> 00:00:28,800
the baikonur cosmodrome in kazakhstan

10
00:00:33,910 --> 00:00:31,439
soyuz commander alexander skvortsov

11
00:00:36,150 --> 00:00:33,920
flight engineers mikhail konienko and

12
00:00:38,950 --> 00:00:36,160
tracy caldwell dyson will spend the next

13
00:00:41,430 --> 00:00:38,960

six months aboard the orbiting complex

14
00:00:44,389 --> 00:00:41,440
the new arrivals share the expedition 23

15
00:00:46,709 --> 00:00:44,399
workload with iss commander oleg kotov

16
00:00:48,229 --> 00:00:46,719
and flight engineers suici naguchi and

17
00:00:50,069 --> 00:00:48,239
tj creamer

18
00:00:52,229 --> 00:00:50,079
when those three who've been on the

19
00:00:54,389 --> 00:00:52,239
station since december return to earth

20
00:00:56,310 --> 00:00:54,399
in june dyson and her two russian

21
00:00:59,430 --> 00:00:56,320
crewmates will transition to serve on

22
00:01:01,270 --> 00:00:59,440
expedition 24.

23
00:01:04,229 --> 00:01:01,280
ice cross ramped all the way down the

24
00:01:06,710 --> 00:01:04,239
tank the crew of sts-133 was at the

25
00:01:08,789 --> 00:01:06,720
michoud assembly facility in new orleans

26
00:01:10,789 --> 00:01:08,799
to thank its workforce for producing the

27
00:01:12,789 --> 00:01:10,799
external tank that'll help fuel space

28
00:01:14,550 --> 00:01:12,799
shuttle discovery's ascent to the

29
00:01:17,190 --> 00:01:14,560
international space station later this

30
00:01:21,270 --> 00:01:19,109
commander steven lindsey and his crew

31
00:01:23,910 --> 00:01:21,280
toured the facility for an up close and

32
00:01:24,710 --> 00:01:23,920
personal look at how an external tank is

33
00:01:26,469 --> 00:01:24,720
built

34
00:01:29,429 --> 00:01:26,479
joining lindsey at a gathering of

35
00:01:31,830 --> 00:01:29,439
michoud employees was pilot eric boe and

36
00:01:34,630 --> 00:01:31,840
mission specialists alvin true mike

37
00:01:37,030 --> 00:01:34,640
barrett tim copra and nicole stott

38
00:01:38,950 --> 00:01:37,040

discovery will deliver cargo equipment

39
00:01:41,109 --> 00:01:38,960
and critical spare components to the

40
00:01:44,310 --> 00:01:41,119
international space station launch is

41
00:01:49,109 --> 00:01:46,630
students educators scientists and the

42
00:01:52,149 --> 00:01:49,119
public came together at the pasadena

43
00:01:54,710 --> 00:01:52,159
convention center for climate day 2010 a

44
00:01:56,709 --> 00:01:54,720
fund-filled educational event about

45
00:01:58,469 --> 00:01:56,719
earth's changing climate

46
00:02:00,870 --> 00:01:58,479
representatives from the jet propulsion

47
00:02:03,350 --> 00:02:00,880
laboratory the national oceanic and

48
00:02:05,030 --> 00:02:03,360
atmospheric administration universities

49
00:02:07,030 --> 00:02:05,040
and other organizations gave

50
00:02:09,270 --> 00:02:07,040
presentations about environmental

51
00:02:11,190 --> 00:02:09,280
factors contributing to global warming a

52
00:02:13,030 --> 00:02:11,200
lot of the teachers and students passing

53
00:02:15,030 --> 00:02:13,040
through today have shown a real interest

54
00:02:16,790 --> 00:02:15,040
in what we're doing their knowledge base

55
00:02:19,830 --> 00:02:16,800
is very good at the moment i think a lot

56
00:02:22,470 --> 00:02:19,840
of the media has highlighted attention

57
00:02:24,309 --> 00:02:22,480
to the greenhouse gases and the need to

58
00:02:25,750 --> 00:02:24,319
probably do something about reducing

59
00:02:28,150 --> 00:02:25,760
their emissions from fossil fuel

60
00:02:30,229 --> 00:02:28,160
combustion climate day also featured

61
00:02:32,869 --> 00:02:30,239
hands-on activities exhibits

62
00:02:35,110 --> 00:02:32,879
demonstrations and games in addition

63
00:02:37,110 --> 00:02:35,120

during a town hall meeting participants

64
00:02:39,190 --> 00:02:37,120
were able to quiz experts about the

65
00:02:44,150 --> 00:02:39,200
latest research on earth's atmosphere

66
00:02:48,550 --> 00:02:46,309
dozens of teachers are conducting real

67
00:02:50,630 --> 00:02:48,560
science in an extreme environment

68
00:02:53,350 --> 00:02:50,640
through ames research center's spaceward

69
00:02:55,830 --> 00:02:53,360
bound project nasa has sent teachers to

70
00:02:58,710 --> 00:02:55,840
california state university's desert

71
00:03:00,869 --> 00:02:58,720
study center in zizex

72
00:03:03,030 --> 00:03:00,879
here on the edge of the barren mojave

73
00:03:05,110 --> 00:03:03,040
desert they help conduct nasa-related

74
00:03:07,750 --> 00:03:05,120
field science the data and knowledge

75
00:03:10,229 --> 00:03:07,760
they glean at xyzx will be used to

76
00:03:12,630 --> 00:03:10,239
develop experiments demonstrations and

77
00:03:14,949 --> 00:03:12,640
lesson plans for their students the

78
00:03:16,550 --> 00:03:14,959
lesson we want them to learn is what

79
00:03:18,070 --> 00:03:16,560
it's like to explore

80
00:03:19,990 --> 00:03:18,080
environments that are remote but

81
00:03:21,509 --> 00:03:20,000
interesting like the moon like mars and

82
00:03:22,710 --> 00:03:21,519
to take that lesson back into their

83
00:03:24,390 --> 00:03:22,720
classrooms

84
00:03:25,990 --> 00:03:24,400
teach it to their students because those

85
00:03:27,110 --> 00:03:26,000
students are going to be the astronauts

86
00:03:28,949 --> 00:03:27,120
that are going to actually do that

87
00:03:31,589 --> 00:03:28,959
exploration on the moon and mars when we

88
00:03:33,910 --> 00:03:31,599

finally go there another spaceward-bound

89
00:03:36,710 --> 00:03:33,920
scheduled for mid-april in namibia will

90
00:03:39,190 --> 00:03:36,720
focus on hypolis a photosynthetic

91
00:03:41,670 --> 00:03:39,200
organism that lives underneath rocks in

92
00:03:44,070 --> 00:03:41,680
extreme desert environments

93
00:03:46,550 --> 00:03:44,080
and that's this week at nasa