1
00:00:13,490 --> 00:00:11,720
this week at NASA during an Earth Day

2
00:00:16,129 --> 00:00:13,500
visit to Goddard Space Flight Center

3
00:00:17,990 --> 00:00:16,139
NASA deputy administrator lori garver

4
00:00:20,750 --> 00:00:18,000
received a tour of the Landsat data

5
00:00:22,340 --> 00:00:20,760
continuity mission control room and was

6
00:00:24,890 --> 00:00:22,350
briefed on Goddard earth science

7
00:00:27,019 --> 00:00:24,900
programs Garber also took some time to

8
00:00:29,630 --> 00:00:27,029
discuss the earth science priorities of

9
00:00:32,569 --> 00:00:29,640
the president's fiscal year 2014 budget

10
00:00:37,750 --> 00:00:32,579
proposal for NASA for new earth science

11
00:00:41,090 --> 00:00:37,760
missions in 2014 alone including 17

12
00:00:44,959 --> 00:00:41,100
operational earth scientist missions so

13
00:00:47,209 --> 00:00:44,969

this is very robust operation focus area

14
00:00:49,190 --> 00:00:47,219
NASA also celebrated Earth Day with a

15
00:00:52,130 --> 00:00:49,200
range of activities for travelers and

16
00:00:54,049 --> 00:00:52,140
visitors at dc's Union Station to help

17
00:00:56,299 --> 00:00:54,059
them better understand the agency's

18
00:01:00,889 --> 00:00:56,309
mission to sustain the planet's systems

19
00:01:03,770 --> 00:01:00,899
and climate NASA Administrator Charlie

20
00:01:05,170 --> 00:01:03,780
Bolden and Leland Melvin the agency's

21
00:01:08,060 --> 00:01:05,180
associate administrator for education

22
00:01:10,880 --> 00:01:08,070
were among those in attendance at this

23
00:01:12,500 --> 00:01:10,890
year's White House Science Fair part of

24
00:01:15,410 --> 00:01:12,510
the president's educate to innovate

25
00:01:17,630 --> 00:01:15,420
campaign the event aims to motivate

26
00:01:20,690 --> 00:01:17,640
students to excel in science technology

27
00:01:24,620 --> 00:01:20,700
engineering and math I just had a chance

28
00:01:28,249 --> 00:01:24,630
to see some of the outstanding exhibits

29
00:01:30,200 --> 00:01:28,259
that have been put forward by some of

30
00:01:32,270 --> 00:01:30,210
these amazing young people and let me

31
00:01:35,719 --> 00:01:32,280
just start by saying in my official

32
00:01:38,060 --> 00:01:35,729
capacity as president this stuff's

33
00:01:39,560 --> 00:01:38,070
really cool NASA supports this in other

34
00:01:41,840 --> 00:01:39,570
events that encourage student

35
00:01:43,609 --> 00:01:41,850
development of STEM related skills and

36
00:01:45,649 --> 00:01:43,619
the pursuit of careers that could

37
00:01:50,660 --> 00:01:45,659
benefit the agency the nation and

38
00:01:53,569 --> 00:01:50,670

humankind the near-earth object camera

39
00:01:55,819 --> 00:01:53,579
or neo cam an infrared sensor that could

40
00:01:58,580 --> 00:01:55,829
improve NASA's ability to detect and

41
00:02:00,620 --> 00:01:58,590
track asteroids and comets has passed a

42
00:02:02,870 --> 00:02:00,630
critical design test in an environment

43
00:02:05,630 --> 00:02:02,880
mimicking the temperatures and pressures

44
00:02:07,670 --> 00:02:05,640
of deep space the postage stamp-sized

45
00:02:09,979 --> 00:02:07,680
device has greater resolution and

46
00:02:12,290 --> 00:02:09,989
sensitivity than previous generations of

47
00:02:13,830 --> 00:02:12,300
infrared sensors and could be vital to

48
00:02:16,320 --> 00:02:13,840
NASA's recently announced

49
00:02:19,110 --> 00:02:16,330
initiative to identify capture and

50
00:02:23,580 --> 00:02:19,120
relocate an asteroid closer to Earth for

51
00:02:26,400 --> 00:02:23,590
exploration by astronauts more than

52
00:02:28,110 --> 00:02:26,410
9,000 people in 83 cities around the

53
00:02:30,809 --> 00:02:28,120
world took part in the recent

54
00:02:33,420 --> 00:02:30,819
international space apps challenge the

55
00:02:35,369 --> 00:02:33,430
two-day event sponsored by NASA and more

56
00:02:38,300 --> 00:02:35,379
than 300 government agencies

57
00:02:40,860 --> 00:02:38,310
organizations and academic institutions

58
00:02:43,949 --> 00:02:40,870
encourages mass collaboration for

59
00:02:46,229 --> 00:02:43,959
development of technology to solve 58

60
00:02:49,020 --> 00:02:46,239
challenges aimed at improving life on

61
00:02:52,920 --> 00:02:49,030
earth and in space check out the nearly

62
00:02:58,170 --> 00:02:52,930
800 solutions submitted at HTTP space

63
00:03:00,600 --> 00:02:58,180

apps challenge org there you see a

64
00:03:02,520 --> 00:03:00,610
progress 51 lifting off a russian

65
00:03:04,110 --> 00:03:02,530
progress cargo craft completed its

66
00:03:06,660 --> 00:03:04,120
two-day journey from the Baikonur

67
00:03:08,580 --> 00:03:06,670
cosmodrome in Kazakhstan when it docked

68
00:03:10,770 --> 00:03:08,590
to the aft port of the International

69
00:03:14,009 --> 00:03:10,780
Space Station's vezde service module on

70
00:03:15,900 --> 00:03:14,019
april twenty six hours capture on board

71
00:03:18,449 --> 00:03:15,910
the progress more than three tons of

72
00:03:20,789 --> 00:03:18,459
food fuel supplies and experiment

73
00:03:25,319 --> 00:03:20,799
hardware for the expedition 35 crew

74
00:03:27,930 --> 00:03:25,329
aboard the orbital laboratory space

75
00:03:30,930 --> 00:03:27,940
shuttle astronauts bunny Dunbar Curt

76
00:03:33,089 --> 00:03:30,940
brown and Eileen Collins joined an elite

77
00:03:35,039 --> 00:03:33,099
group of American space heroes with

78
00:03:37,500 --> 00:03:35,049
their induction into the u.s. astronaut

79
00:03:39,349 --> 00:03:37,510
hall of fame during a ceremony at the

80
00:03:42,120 --> 00:03:39,359
Kennedy Space Center Visitor Complex

81
00:03:44,789 --> 00:03:42,130
Brown flew six missions and command at

82
00:03:47,099 --> 00:03:44,799
the STS 95 Space Flight of Senator John

83
00:03:50,460 --> 00:03:47,109
Glenn Collins became the first female

84
00:03:54,659 --> 00:03:50,470
shuttle pilot and commander on st s 63

85
00:03:57,870 --> 00:03:54,669
and STS 93 respectively and Dunbar was a

86
00:03:59,670 --> 00:03:57,880
mission specialist on STS 71 the first

87
00:04:02,280 --> 00:03:59,680
shuttle mission to dock with a Russian

88
00:04:05,140 --> 00:04:02,290

space station Mir

89
00:04:07,900 --> 00:04:05,150
Ames Research Center hosted a workshop

90
00:04:10,600 --> 00:04:07,910
to discuss the autonomous multispectral

91
00:04:13,180 --> 00:04:10,610
sensor a high resolution spectrometer

92
00:04:16,569 --> 00:04:13,190
recently installed on a u.s. Forest

93
00:04:19,120 --> 00:04:16,579
Service cessna citation jet using ames

94
00:04:21,430 --> 00:04:19,130
developed technology the AMS captures

95
00:04:23,500 --> 00:04:21,440
high-resolution data during forest fires

96
00:04:25,900 --> 00:04:23,510
which can then be transmitted to ground

97
00:04:28,270 --> 00:04:25,910
disaster management investigators for

98
00:04:30,460 --> 00:04:28,280
analysis during the workshop attendees

99
00:04:35,560 --> 00:04:30,470
were able to get a close-up look at the

100
00:04:37,930 --> 00:04:35,570
aircraft and the AMS sensor NASA's

101
00:04:40,090 --> 00:04:37,940
Gulfstream 3 aerodynamics research

102
00:04:42,400 --> 00:04:40,100
aircraft has resumed a series of

103
00:04:45,010 --> 00:04:42,410
baseline flights in preparation for the

104
00:04:47,140 --> 00:04:45,020
adaptive compliant trailing ant project

105
00:04:49,630 --> 00:04:47,150
a joint NASA Air Force Research

106
00:04:51,640 --> 00:04:49,640
Laboratory effort the project will

107
00:04:54,280 --> 00:04:51,650
evaluate shape-changing venable

108
00:04:56,530 --> 00:04:54,290
composite flaps that should reduce drag

109
00:04:58,450 --> 00:04:56,540
and eliminate a major source of aircraft

110
00:05:01,300 --> 00:04:58,460
noise during takeoff and landing

111
00:05:04,420 --> 00:05:01,310
supporting NASA's goal of simultaneously

112
00:05:09,190 --> 00:05:04,430
reducing noise emissions and fuel use by

113
00:05:11,140 --> 00:05:09,200

future aircraft the new look galleries

114
00:05:12,970 --> 00:05:11,150
of NASA Glenn's visitor center at the

115
00:05:14,710 --> 00:05:12,980
Great Lakes Science Center is launching

116
00:05:17,020 --> 00:05:14,720
visitors on a journey of human

117
00:05:19,480 --> 00:05:17,030
exploration the center highlights the

118
00:05:21,760 --> 00:05:19,490
risks and triumphs of human space travel

119
00:05:23,800 --> 00:05:21,770
the challenges of living and working in

120
00:05:28,240 --> 00:05:23,810
space and the role of research and

121
00:05:34,150 --> 00:05:28,250
long-duration space travel four three

122
00:05:37,300 --> 00:05:34,160
two one Pegasus is away ten years ago on

123
00:05:40,120 --> 00:05:37,310
April twenty-eighth 2003 GALEX the

124
00:05:42,250 --> 00:05:40,130
Galaxy Evolution Explorer telescope was

125
00:05:44,620 --> 00:05:42,260
launched by a Pegasus rocket into

126
00:05:47,020 --> 00:05:44,630
low-earth orbit to conduct ultraviolet

127
00:05:50,080 --> 00:05:47,030
observations of galaxies across 10

128
00:05:51,760 --> 00:05:50,090
billion years of cosmic history data

129
00:05:53,800 --> 00:05:51,770
from the telescope is providing clues

130
00:05:56,770 --> 00:05:53,810
about the evolution of galaxies and the

131
00:05:58,840 --> 00:05:56,780
causes of star formation bringing us

132
00:06:01,320 --> 00:05:58,850
closer to understanding how galaxies

133
00:06:04,719 --> 00:06:01,330
like our own Milky Way were formed and

134
00:06:06,670 --> 00:06:04,729
that's this week @nasa for more on these

135
00:06:08,920 --> 00:06:06,680
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