1
00:00:11,830 --> 00:00:10,629
this week at nasa

2
00:00:13,350 --> 00:00:11,840
i think what a lot of us are wondering

3
00:00:15,190 --> 00:00:13,360
about is making sure that everything's

4
00:00:17,670 --> 00:00:15,200
up and running again shannon and doug

5
00:00:19,670 --> 00:00:17,680
removed the last jumpers today and put

6
00:00:21,590 --> 00:00:19,680
the racks back and so it's all and

7
00:00:23,830 --> 00:00:21,600
span and it's

8
00:00:25,750 --> 00:00:23,840
back to business as usual it seems the

9
00:00:28,470 --> 00:00:25,760
international space station's cooling

10
00:00:30,630 --> 00:00:28,480
system was reactivated and finally back

11
00:00:32,709 --> 00:00:30,640
in normal operation the pump is looking

12
00:00:34,470 --> 00:00:32,719
good oh sweet

13
00:00:36,870 --> 00:00:34,480

we got our station back

14
00:00:38,790 --> 00:00:36,880
three space walks by expedition 24

15
00:00:41,270 --> 00:00:38,800
flight engineers doug wheelhock and

16
00:00:44,549 --> 00:00:41,280
tracy caldwell dyson were needed to

17
00:00:46,389 --> 00:00:44,559
remove and replace a failed ammonia pump

18
00:00:51,270 --> 00:00:46,399
that had disabled one of the station's

19
00:00:55,029 --> 00:00:52,229
okay

20
00:00:58,470 --> 00:00:55,039
oh there you can see uh yep i see the

21
00:01:00,790 --> 00:00:58,480
final eva a seven-hour 20-minute outing

22
00:01:02,790 --> 00:01:00,800
completed the complex task

23
00:01:05,350 --> 00:01:02,800
flight controllers at the johnson space

24
00:01:08,070 --> 00:01:05,360
center then spent the next three days

25
00:01:10,469 --> 00:01:08,080
reconnecting various onboard units from

26
00:01:12,789 --> 00:01:10,479
their system-saving workarounds to the

27
00:01:14,710 --> 00:01:12,799
newly restored cooling loop the whole

28
00:01:16,310 --> 00:01:14,720
team is in a great mood and everybody is

29
00:01:18,550 --> 00:01:16,320
looking forward to some well-deserved

30
00:01:20,870 --> 00:01:18,560
rest after the effort of the last couple

31
00:01:23,350 --> 00:01:20,880
of weeks

32
00:01:25,749 --> 00:01:23,360
the agency held its first information

33
00:01:27,510 --> 00:01:25,759
technology summit bringing together

34
00:01:29,830 --> 00:01:27,520
government and industry leaders from

35
00:01:32,310 --> 00:01:29,840
across the nation to discuss and

36
00:01:34,310 --> 00:01:32,320
showcase the best in private and public

37
00:01:36,630 --> 00:01:34,320
i.t innovations

38
00:01:39,270 --> 00:01:36,640

more than a thousand people participated

39
00:01:41,510 --> 00:01:39,280
in the event held outside washington

40
00:01:44,710 --> 00:01:41,520
presentations ran the gamut from social

41
00:01:47,270 --> 00:01:44,720
networking and green i t to security and

42
00:01:50,550 --> 00:01:47,280
privacy the president wants all of us

43
00:01:52,630 --> 00:01:50,560
and and and i will say all of you

44
00:01:54,550 --> 00:01:52,640
to come up with better ways to move the

45
00:01:56,709 --> 00:01:54,560
government forward on i.t

46
00:01:57,990 --> 00:01:56,719
the i.t role in nasa's success with

47
00:01:59,910 --> 00:01:58,000
exploration

48
00:02:01,830 --> 00:01:59,920
using systems and applications that

49
00:02:03,190 --> 00:02:01,840
control space missions

50
00:02:05,590 --> 00:02:03,200
is obvious

51
00:02:08,070 --> 00:02:05,600
but if we dig deeper we see how

52
00:02:10,150 --> 00:02:08,080
extensive the i.t support really is

53
00:02:12,150 --> 00:02:10,160
administrator charles bolden led a list

54
00:02:15,350 --> 00:02:12,160
of speakers that included u.s chief

55
00:02:20,710 --> 00:02:15,360
information officer vivek kundra and i.t

56
00:02:24,229 --> 00:02:22,390
researchers at nasa's dryden flight

57
00:02:26,150 --> 00:02:24,239
research center have recently completed

58
00:02:28,710 --> 00:02:26,160
the second and final phase of flight

59
00:02:31,110 --> 00:02:28,720
tests on the stratospheric observatory

60
00:02:32,949 --> 00:02:31,120
for infrared astronomy

61
00:02:35,110 --> 00:02:32,959
the performance and structural integrity

62
00:02:37,430 --> 00:02:35,120
of this airborne observatory also known

63
00:02:39,190 --> 00:02:37,440

as sophia was validated through a series

64
00:02:41,589 --> 00:02:39,200
of flight tests that confirmed the

65
00:02:43,670 --> 00:02:41,599
aircraft could operate safely at various

66
00:02:45,270 --> 00:02:43,680
flight conditions with the telescope's

67
00:02:46,309 --> 00:02:45,280
door open

68
00:02:48,470 --> 00:02:46,319
clear

69
00:02:49,350 --> 00:02:48,480
1.5 to 0.5

70
00:02:51,030 --> 00:02:49,360
3

71
00:02:52,630 --> 00:02:51,040
two one

72
00:02:54,949 --> 00:02:52,640
sophia technicians at the dryden

73
00:02:57,430 --> 00:02:54,959
aircraft operations facility in palmdale

74
00:02:59,509 --> 00:02:57,440
california will now finish installation

75
00:03:01,990 --> 00:02:59,519
and checkout of the remaining systems

76
00:03:04,390 --> 00:03:02,000
that support telescope operations

77
00:03:06,149 --> 00:03:04,400
the modified boeing 747

78
00:03:08,550 --> 00:03:06,159
is now approved to begin flying

79
00:03:19,190 --> 00:03:08,560
astronomy missions at altitudes as high

80
00:03:23,190 --> 00:03:21,430
outstanding educators from across the

81
00:03:25,270 --> 00:03:23,200
country learned a thing or two about

82
00:03:26,789 --> 00:03:25,280
space and its technology

83
00:03:29,509 --> 00:03:26,799
during the marshall space flight

84
00:03:32,149 --> 00:03:29,519
center's international space camp

85
00:03:34,070 --> 00:03:32,159
each state's 2010 teacher of the year

86
00:03:36,470 --> 00:03:34,080
participated in a week-long series of

87
00:03:38,869 --> 00:03:36,480
events including training on space

88
00:03:40,869 --> 00:03:38,879

station and shuttle simulators and

89
00:03:43,190 --> 00:03:40,879
lectures and lab sessions about space

90
00:03:45,190 --> 00:03:43,200
history and rocket technology

91
00:03:47,110 --> 00:03:45,200
they also learned innovative hands-on

92
00:03:49,670 --> 00:03:47,120
techniques for teaching students about

93
00:03:51,670 --> 00:03:49,680
america's space program one of the great

94
00:03:53,990 --> 00:03:51,680
things about the experience is that we

95
00:03:56,149 --> 00:03:54,000
are learners too and

96
00:03:59,190 --> 00:03:56,159
as teachers first and foremost we have

97
00:04:01,670 --> 00:03:59,200
to be learners we are the lead learners

98
00:04:03,990 --> 00:04:01,680
in our classroom and so this opportunity

99
00:04:08,149 --> 00:04:04,000
of learning and collaborating and

100
00:04:11,670 --> 00:04:08,159
sharing um and experiencing so many of

101
00:04:13,270 --> 00:04:11,680
the wonders of space um can't help but

102
00:04:15,429 --> 00:04:13,280
motivate us to take that back into our

103
00:04:17,349 --> 00:04:15,439
classrooms teacher of the year is the

104
00:04:24,629 --> 00:04:17,359
nation's oldest and most prestigious

105
00:04:29,110 --> 00:04:26,870
students their parents teachers

106
00:04:31,909 --> 00:04:29,120
grandparents and others spent two

107
00:04:34,390 --> 00:04:31,919
fun-filled days enjoying the wonders and

108
00:04:36,950 --> 00:04:34,400
mysteries of space during nasa

109
00:04:39,030 --> 00:04:36,960
exploration day a joint venture between

110
00:04:42,950 --> 00:04:39,040
the langley research center and busch

111
00:04:44,550 --> 00:04:42,960
gardens in williamsburg virginia

112
00:04:46,390 --> 00:04:44,560
you get to go to work every day and you

113
00:04:47,909 --> 00:04:46,400

get to do things that are sort of like

114
00:04:50,230 --> 00:04:47,919
working puzzles and working with

115
00:04:52,070 --> 00:04:50,240
computers doing experiments and all

116
00:04:53,350 --> 00:04:52,080
kinds of fun things and so that's a

117
00:04:55,510 --> 00:04:53,360
great career

118
00:04:57,430 --> 00:04:55,520
activities included a talk from former

119
00:04:59,990 --> 00:04:57,440
astronaut roger crouch

120
00:05:02,230 --> 00:05:00,000
and the exploration experience an

121
00:05:05,510 --> 00:05:02,240
interactive trailer exhibit which uses

122
00:05:07,990 --> 00:05:05,520
3d imagery audio effects and the latest

123
00:05:11,110 --> 00:05:08,000
video technology to recreate the

124
00:05:13,189 --> 00:05:11,120
challenges of space flight guests also

125
00:05:15,749 --> 00:05:13,199
had the opportunity to check out mars

126
00:05:17,909 --> 00:05:15,759
and points beyond learn how future

127
00:05:23,270 --> 00:05:17,919
explorers might live and work beyond

128
00:05:30,950 --> 00:05:27,909
45 years ago on august 21 1965

129
00:05:32,870 --> 00:05:30,960
astronauts gordon cooper and pete conrad

130
00:05:36,710 --> 00:05:32,880
launched from cape canaveral florida on

131
00:05:40,790 --> 00:05:39,189
the third manned gemini flight

132
00:05:43,029 --> 00:05:40,800
the eight-day mission evaluated the

133
00:05:45,830 --> 00:05:43,039
guidance and navigation system needed to

134
00:05:48,230 --> 00:05:45,840
rendezvous in space and the effects on

135
00:05:49,510 --> 00:05:48,240
astronauts a prolonged exposure to zero

136
00:05:51,990 --> 00:05:49,520
gravity

137
00:05:54,310 --> 00:05:52,000
with this flight the united states took

138
00:05:56,150 --> 00:05:54,320

the manned space flight endurance record

139
00:05:58,390 --> 00:05:56,160
from the soviet union while

140
00:06:00,629 --> 00:05:58,400
demonstrating crew survivability over

141
00:06:01,830 --> 00:06:00,639
the length of time required for a lunar

142
00:06:04,790 --> 00:06:01,840
mission

143
00:06:07,189 --> 00:06:04,800
and that's this week at nasa for more on