



1
00:00:13,430 --> 00:00:09,750
good morning atlanta this is beyonce

2
00:00:16,470 --> 00:00:13,440
sandy chris doug and rex you inspire all

3
00:00:18,470 --> 00:00:16,480
of us to dare to live our dreams to know

4
00:00:21,189 --> 00:00:18,480
that we're smart enough and strong

5
00:00:23,750 --> 00:00:21,199
enough to achieve them this song is

6
00:00:25,990 --> 00:00:23,760
especially for my girl sandy and all the

7
00:00:27,990 --> 00:00:26,000
women who've taken us to space with them

8
00:00:31,109 --> 00:00:28,000
and the girls who are our future

9
00:00:36,709 --> 00:00:33,670
this uh flight day nine is literally the

10
00:00:38,630 --> 00:00:36,719
bonus day that was added to this mission

11
00:00:39,910 --> 00:00:38,640
by the mission management team earlier

12
00:00:42,310 --> 00:00:39,920
in the week

13
00:00:44,389 --> 00:00:42,320

as a result of the ability of atlantis

14

00:00:47,110 --> 00:00:44,399

to have generated enough cryogenic

15

00:00:49,830 --> 00:00:47,120

oxygen and hydrogen for its power

16

00:00:51,029 --> 00:00:49,840

producing fuel cells to gain a bonus day

17

00:00:53,350 --> 00:00:51,039

on orbit

18

00:00:56,069 --> 00:00:53,360

the day will be well spent this is a

19

00:00:58,470 --> 00:00:56,079

critical day of transfer activity for

20

00:00:59,270 --> 00:00:58,480

atlantis astronauts as they continue to

21

00:01:02,229 --> 00:00:59,280

move

22

00:01:04,469 --> 00:01:02,239

the better part of five tons of supplies

23

00:01:06,789 --> 00:01:04,479

from the rafaella multipurpose logistics

24

00:01:09,429 --> 00:01:06,799

module over to the international space

25

00:01:13,510 --> 00:01:09,439

station to stockpile the station for the

26
00:01:16,230 --> 00:01:13,520
next 12 months or so just as they were

27
00:01:18,070 --> 00:01:16,240
operating it this past monday to install

28
00:01:19,270 --> 00:01:18,080
the module for the beginning of transfer

29
00:01:21,670 --> 00:01:19,280
operations

30
00:01:22,710 --> 00:01:21,680
rafaela will be loaded up over the

31
00:01:25,590 --> 00:01:22,720
weekend

32
00:01:28,469 --> 00:01:25,600
its hatch will finally be closed late in

33
00:01:30,950 --> 00:01:28,479
the day on sunday and the stage will be

34
00:01:32,870 --> 00:01:30,960
set for it to be demated from harmony

35
00:01:35,429 --> 00:01:32,880
and placed back into the cargo bay of

36
00:01:36,789 --> 00:01:35,439
atlantis on monday in advance of

37
00:01:38,710 --> 00:01:36,799
atlantis's undocking from the

38
00:01:41,590 --> 00:01:38,720

international space station which is

39

00:01:45,510 --> 00:01:41,600

scheduled for tuesday morning at 1 28

40

00:01:47,670 --> 00:01:45,520

a.m central time 2 28 a.m eastern time

41

00:01:49,749 --> 00:01:47,680

the final undocking of a space shuttle

42

00:01:52,310 --> 00:01:49,759

from the international space station to

43

00:01:54,230 --> 00:01:52,320

complete the 37th and final visit of a

44

00:01:57,270 --> 00:01:54,240

space shuttle to the international

45

00:02:01,109 --> 00:02:00,149

this video shot by satoshi furukawa this

46

00:02:03,990 --> 00:02:01,119

morning

47

00:02:06,550 --> 00:02:04,000

of the cramped conditions in the

48

00:02:08,469 --> 00:02:06,560

permanent multi-purpose module

49

00:02:10,229 --> 00:02:08,479

formerly known as leonardo which was

50

00:02:12,270 --> 00:02:10,239

delivered to the

51
00:02:15,350 --> 00:02:12,280
international space station on the

52
00:02:17,990 --> 00:02:15,360
sts-133 mission a few months ago

53
00:02:20,470 --> 00:02:18,000
the pmm as it is called is birthed to

54
00:02:23,270 --> 00:02:20,480
the earth-facing side of the unity

55
00:02:25,030 --> 00:02:23,280
connecting node which links the us and

56
00:02:27,670 --> 00:02:25,040
russian segments of the international

57
00:02:30,869 --> 00:02:27,680
space station to one another

58
00:02:34,150 --> 00:02:30,879
the pmm designed as a storage closet and

59
00:02:36,390 --> 00:02:34,160
a logistics depot is now almost crammed

60
00:02:38,869 --> 00:02:36,400
to the brim you heard sandy magnus refer

61
00:02:41,110 --> 00:02:38,879
to that during one of her interviews

62
00:02:43,509 --> 00:02:41,120
yesterday with the news media

63
00:02:45,830 --> 00:02:43,519

there are a variety of bags containing

64

00:02:49,110 --> 00:02:45,840

logistics and supplies

65

00:02:51,589 --> 00:02:49,120

that now reside in the pmm

66

00:02:54,550 --> 00:02:51,599

again this video uh taken earlier today

67

00:02:57,509 --> 00:02:54,560

by satoshi furukawa procedure

68

00:03:02,149 --> 00:02:57,519

available right now for the reloads

69

00:03:07,430 --> 00:03:04,470

you're watching expedition 28 flight

70

00:03:08,630 --> 00:03:07,440

engineer sergey volkov as he uh

71

00:03:11,030 --> 00:03:08,640

performed

72

00:03:13,589 --> 00:03:11,040

in-flight maintenance to a bulky

73

00:03:16,710 --> 00:03:13,599

gyroscope and its associated cable in

74

00:03:19,830 --> 00:03:16,720

the treadmill vibration isolation system

75

00:03:22,630 --> 00:03:19,840

his work uh proved successful as the

76

00:03:24,550 --> 00:03:22,640

gyroscope spun up appropriately

77

00:03:25,830 --> 00:03:24,560

and uh that will be the forerunner for

78

00:03:28,229 --> 00:03:25,840

the uh

79

00:03:31,830 --> 00:03:28,239

tvis device as it is known to be put

80

00:03:34,229 --> 00:03:31,840

back back in action uh to uh support uh

81

00:03:36,869 --> 00:03:34,239

exercise by the station crew members

82

00:03:39,190 --> 00:03:36,879

again one of several such exercise

83

00:03:42,869 --> 00:03:39,200

devices available for the crew aboard

84

00:03:46,869 --> 00:03:44,949

atlantis houston air to ground two for

85

00:03:48,550 --> 00:03:46,879

engineering purposes come check through

86

00:03:50,630 --> 00:03:48,560

myla

87

00:03:52,550 --> 00:03:50,640

hey houston airground 2 we have you loud

88

00:03:54,229 --> 00:03:52,560

and clear through milo

89

00:03:55,509 --> 00:03:54,239

hey while we have you through milo we

90

00:03:58,390 --> 00:03:55,519

just want to give a shout out to the

91

00:03:59,910 --> 00:03:58,400

folks who work both there and at tdl you

92

00:04:01,830 --> 00:03:59,920

guys have provided service to the

93

00:04:05,350 --> 00:04:01,840

shuttle program for years and years i

94

00:04:07,990 --> 00:04:05,360

understand milo was built back in 1966

95

00:04:09,910 --> 00:04:08,000

and uh cdl was added on after the

96

00:04:12,470 --> 00:04:09,920

shuttle program came about i understand

97

00:04:14,789 --> 00:04:12,480

also miles going to be decommissioned

98

00:04:16,390 --> 00:04:14,799

after this flight for all the folks that

99

00:04:17,670 --> 00:04:16,400

work there for all the shuttle missions