



1  
00:00:13,040 --> 00:00:41,590  
come on

2  
00:00:48,869 --> 00:00:43,750  
may he help you in all of your efforts

3  
00:01:22,789 --> 00:00:51,590  
may god bless you

4  
00:01:22,799 --> 00:01:30,550  
oh let's see

5  
00:01:30,560 --> 00:01:57,670  
ugh

6  
00:02:53,589 --> 00:02:23,030  
um

7  
00:02:53,599 --> 00:03:20,149  
imminently

8  
00:03:20,159 --> 00:03:34,149  
missions

9  
00:03:34,159 --> 00:03:52,869  
oh

10  
00:03:52,879 --> 00:04:20,229  
yes

11  
00:04:20,239 --> 00:04:36,469  
you look good

12  
00:05:26,950 --> 00:04:56,550  
um

13  
00:05:29,430 --> 00:05:26,960

space

14

00:05:47,189 --> 00:05:29,440

so that makes you the first norman to

15

00:05:47,199 --> 00:05:57,430

everything goes planned

16

00:05:57,440 --> 00:06:39,350

one two three four

17

00:06:39,360 --> 00:06:57,510

come forward turn around

18

00:06:57,520 --> 00:07:14,469

okay

19

00:07:14,479 --> 00:07:31,029

mickey

20

00:07:31,039 --> 00:07:56,230

okay

21

00:07:56,240 --> 00:08:26,790

initiated

22

00:08:26,800 --> 00:08:51,430

everything is

23

00:08:51,440 --> 00:09:03,990

copy

24

00:09:07,829 --> 00:09:05,750

nasa administrator charles bolden

25

00:09:10,790 --> 00:09:07,839

charlie a thunderous start to this

26

00:09:13,990 --> 00:09:10,800

flight for whitson vasquez novitskiy

27

00:09:16,310 --> 00:09:14,000

your thoughts uh on all of this that has

28

00:09:18,070 --> 00:09:16,320

come about over the past few weeks two

29

00:09:19,910 --> 00:09:18,080

launches and a landing and the whole

30

00:09:21,910 --> 00:09:19,920

theme of international cooperation at

31

00:09:22,790 --> 00:09:21,920

this point i think this was a perfect

32

00:09:24,710 --> 00:09:22,800

evening

33

00:09:26,790 --> 00:09:24,720

when we talk about the journey to mars

34

00:09:28,550 --> 00:09:26,800

and the way we're bringing nations of

35

00:09:30,310 --> 00:09:28,560

the world together

36

00:09:33,030 --> 00:09:30,320

this is the epitome of that as you have

37

00:09:34,710 --> 00:09:33,040

said it shows how we through cooperation

38

00:09:36,630 --> 00:09:34,720

international cooperation we're able to

39

00:09:38,870 --> 00:09:36,640

do things that sometimes people might

40

00:09:41,670 --> 00:09:38,880

think is next to impossible to get done

41

00:09:43,269 --> 00:09:41,680

so it's a great great night uh a great

42

00:09:45,190 --> 00:09:43,279

victory for the international space

43

00:09:46,710 --> 00:09:45,200

station and getting uh three more crew

44

00:09:48,470 --> 00:09:46,720

members up there and we're ready they're

45

00:09:50,630 --> 00:09:48,480

ready to go they're pumped

46

00:09:52,630 --> 00:09:50,640

this stocking of this crew will occur on

47

00:09:54,630 --> 00:09:52,640

the 18th anniversary of the first

48

00:09:57,190 --> 00:09:54,640

element launch of the station

49

00:09:59,509 --> 00:09:57,200

how far has this complex come from

50

00:10:01,110 --> 00:09:59,519

fledgling modules to where it is today

51  
00:10:03,990 --> 00:10:01,120  
well i think if you look back and you

52  
00:10:05,590 --> 00:10:04,000  
and i were there so uh you were you were

53  
00:10:07,110 --> 00:10:05,600  
in the media at the time but you will

54  
00:10:10,470 --> 00:10:07,120  
remember people said this couldn't be

55  
00:10:13,430 --> 00:10:10,480  
done that it was too eva intensive uh it

56  
00:10:14,870 --> 00:10:13,440  
was just too much work and over the 10

57  
00:10:17,910 --> 00:10:14,880  
years that it took us to complete

58  
00:10:20,790 --> 00:10:17,920  
station i think it says what what again

59  
00:10:21,670 --> 00:10:20,800  
an international team that's set on a

60  
00:10:23,829 --> 00:10:21,680  
mission

61  
00:10:25,590 --> 00:10:23,839  
can do when they when they focus on that

62  
00:10:27,030 --> 00:10:25,600  
mission and and when they get the kind

63  
00:10:30,150 --> 00:10:27,040

of support that we've gotten through the

64

00:10:31,829 --> 00:10:30,160

years this is the 16th year now for

65

00:10:32,870 --> 00:10:31,839

people living and working off this

66

00:10:35,430 --> 00:10:32,880

planet

67

00:10:37,430 --> 00:10:35,440

no matter what's going on down here

68

00:10:40,310 --> 00:10:37,440

the crews and the flight control teams

69

00:10:41,829 --> 00:10:40,320

manage to focus on their tasks and get

70

00:10:43,190 --> 00:10:41,839

everything done and we live in a totally

71

00:10:44,829 --> 00:10:43,200

different world when we're on the

72

00:10:47,509 --> 00:10:44,839

international space

73

00:10:49,269 --> 00:10:47,519

station kirk shireman iss program

74

00:10:50,949 --> 00:10:49,279

manager kirk

75

00:10:52,630 --> 00:10:50,959

quite a start uh

76

00:10:54,790 --> 00:10:52,640

to the expansion of the station crew

77

00:10:56,790 --> 00:10:54,800

back to six people your thoughts on the

78

00:10:58,389 --> 00:10:56,800

significance of this launch and what has

79

00:11:00,150 --> 00:10:58,399

been accomplished

80

00:11:01,910 --> 00:11:00,160

in support of station operations over

81

00:11:03,430 --> 00:11:01,920

the past four weeks

82

00:11:05,590 --> 00:11:03,440

uh first of all it's a beautiful launch

83

00:11:07,990 --> 00:11:05,600

tonight very very clear skies we could

84

00:11:09,829 --> 00:11:08,000

see the the vehicle all the way through

85

00:11:11,910 --> 00:11:09,839

into the third stage it's the one of the

86

00:11:13,670 --> 00:11:11,920

best i've ever seen so very exciting

87

00:11:15,670 --> 00:11:13,680

we're looking forward to having peggy

88

00:11:19,110 --> 00:11:15,680

thomas and oleg back up on the space

89

00:11:20,949 --> 00:11:19,120

station um lots of work to be done uh

90

00:11:22,630 --> 00:11:20,959

we'll be undocking a cygnus here just in

91

00:11:24,710 --> 00:11:22,640

a few days and then a progress will

92

00:11:27,190 --> 00:11:24,720

launch from the same uh cosmodrome here

93

00:11:29,350 --> 00:11:27,200

on december first so lots of work uh to

94

00:11:31,110 --> 00:11:29,360

be done and the amazing thing is all the

95

00:11:33,269 --> 00:11:31,120

work that's been done just in the past

96

00:11:36,630 --> 00:11:33,279

uh few days we've had a landing we've

97

00:11:38,470 --> 00:11:36,640

had uh shane and his crew went up to iss

98

00:11:40,790 --> 00:11:38,480

so a tremendous number of vehicles

99

00:11:42,389 --> 00:11:40,800

coming going to the iss and lots of work

100

00:11:44,949 --> 00:11:42,399

for these crew to do

101  
00:11:46,069 --> 00:11:44,959  
how about the significance of the pace

102  
00:11:48,790 --> 00:11:46,079  
of the work

103  
00:11:51,110 --> 00:11:48,800  
and and what is being accomplished up on

104  
00:11:52,710 --> 00:11:51,120  
station during this busy time

105  
00:11:54,550 --> 00:11:52,720  
what's amazing to me is that in the

106  
00:11:55,430 --> 00:11:54,560  
midst of all these vehicles coming and

107  
00:11:57,110 --> 00:11:55,440  
going

108  
00:11:58,870 --> 00:11:57,120  
doing some major repairs on the space

109  
00:12:01,110 --> 00:11:58,880  
station we just had an oxygen system

110  
00:12:02,870 --> 00:12:01,120  
that was recovered by shane

111  
00:12:05,030 --> 00:12:02,880  
on orbit we're still doing a tremendous

112  
00:12:07,509 --> 00:12:05,040  
amount of research this last crew

113  
00:12:08,310 --> 00:12:07,519

averaged over 45 hours a week

114

00:12:12,069 --> 00:12:08,320

of

115

00:12:14,470 --> 00:12:12,079

research and this crew has over 304

116

00:12:16,790 --> 00:12:14,480

investigations to do 89 of which have

117

00:12:18,710 --> 00:12:16,800

never been done on space station so in

118

00:12:20,069 --> 00:12:18,720

the midst of vehicles coming and going a

119

00:12:22,550 --> 00:12:20,079

tremendous amount of research still

120

00:12:27,190 --> 00:12:24,230

this is the sixth asteroid of the class

121

00:12:29,190 --> 00:12:27,200

of 2009 now in space what does it mean

122

00:12:30,550 --> 00:12:29,200

for you as a issa director for human

123

00:12:32,550 --> 00:12:30,560

spaceflight well the first thing is

124

00:12:34,389 --> 00:12:32,560

we've just witnessed an amazing night

125

00:12:35,910 --> 00:12:34,399

launch taking tomorrow pesquet up

126  
00:12:38,310 --> 00:12:35,920  
towards the international space station

127  
00:12:40,150 --> 00:12:38,320  
real dock very shortly but it's really

128  
00:12:42,069 --> 00:12:40,160  
important because it's the the end of

129  
00:12:44,310 --> 00:12:42,079  
the first set of flights for this set of

130  
00:12:46,389 --> 00:12:44,320  
six astronauts but the beginning of the

131  
00:12:48,069 --> 00:12:46,399  
next period of science and technology

132  
00:12:50,150 --> 00:12:48,079  
aboard the space station that will

133  
00:12:52,710 --> 00:12:50,160  
really bring knowledge and

134  
00:12:55,110 --> 00:12:52,720  
skills back to planet earth but also

135  
00:12:57,509 --> 00:12:55,120  
prepare us for going to beyond going

136  
00:12:59,910 --> 00:12:57,519  
back into deep space taking us on a

137  
00:13:01,430 --> 00:12:59,920  
journey towards the planets and that

138  
00:13:03,350 --> 00:13:01,440

combination of science and technology is

139

00:13:04,310 --> 00:13:03,360

what's so exciting about human space

140

00:13:06,470 --> 00:13:04,320

flight

141

00:13:09,350 --> 00:13:06,480

with thomas now in space and paul

142

00:13:11,110 --> 00:13:09,360

nespoli uh also a visa is going to space

143

00:13:13,670 --> 00:13:11,120

in six months that's the beginning of

144

00:13:14,949 --> 00:13:13,680

one year of presence of issa on board

145

00:13:17,110 --> 00:13:14,959

the international space station what

146

00:13:19,030 --> 00:13:17,120

does it mean for izani's ambitious

147

00:13:21,030 --> 00:13:19,040

exploration program it's really

148

00:13:22,949 --> 00:13:21,040

important to develop all the skills and

149

00:13:25,030 --> 00:13:22,959

knowledge to prepare us for our

150

00:13:26,710 --> 00:13:25,040

long-term vision of space exploration

151

00:13:28,710 --> 00:13:26,720

we're going to stay in low earth orbit

152

00:13:31,110 --> 00:13:28,720

doing science and technology but the

153

00:13:33,670 --> 00:13:31,120

preparation that we need to go further

154

00:13:36,150 --> 00:13:33,680

out so it's the skills we'll gain it's