



1
00:00:20,310 --> 00:00:16,790
more signatures here today

2
00:00:21,990 --> 00:00:20,320
we'll sign it later in six months

3
00:00:26,550 --> 00:00:22,000
maybe soon you'll have to change the

4
00:00:26,560 --> 00:00:35,190
finally finally you're here

5
00:00:35,200 --> 00:00:56,069
one two three let's sign it

6
00:01:20,230 --> 00:00:57,510
thank you

7
00:01:20,240 --> 00:01:38,830
is

8
00:01:38,840 --> 00:02:31,350
foreign okay

9
00:02:46,470 --> 00:02:34,150
good luck everyone thank you

10
00:03:27,589 --> 00:02:48,630
only the family members can be here

11
00:03:27,599 --> 00:03:45,990
foreign

12
00:03:46,000 --> 00:04:25,189
okay

13
00:04:25,199 --> 00:04:48,230

thank you

14

00:04:48,240 --> 00:04:59,830

oh

15

00:04:59,840 --> 00:05:14,150

thank you

16

00:05:14,160 --> 00:05:50,870

oh is this the pressure

17

00:05:50,880 --> 00:05:57,270

next

18

00:05:57,280 --> 00:06:28,550

how much time

19

00:06:28,560 --> 00:06:41,830

can you hear me

20

00:06:41,840 --> 00:06:56,870

you might have to get closer

21

00:07:01,430 --> 00:06:58,790

yeah

22

00:07:22,950 --> 00:07:02,550

good feeling

23

00:07:22,960 --> 00:08:06,390

i don't think you heard me

24

00:08:06,400 --> 00:08:19,510

go bro

25

00:08:19,520 --> 00:08:49,110

oh

26

00:08:49,120 --> 00:09:34,150

michael

27

00:09:34,160 --> 00:09:41,750

okay

28

00:09:41,760 --> 00:09:51,509

thank you

29

00:09:51,519 --> 00:10:51,269

um

30

00:10:51,279 --> 00:11:16,829

foreign

31

00:11:16,839 --> 00:11:40,949

pressurization initiated

32

00:11:40,959 --> 00:11:50,470

16-3 for pulsar

33

00:11:50,480 --> 00:12:08,069

vehicle to internal power

34

00:12:16,230 --> 00:12:09,030

three

35

00:12:16,240 --> 00:12:19,269

fly now

36

00:12:22,790 --> 00:12:21,030

and the soyuz is now on its way with

37

00:12:24,629 --> 00:12:22,800

mike hopkins olden kotov and sergey

38

00:13:18,550 --> 00:12:24,639

ryazanskiy on a six-hour ride to the

39

00:13:18,560 --> 00:13:48,230

60 seconds nominal flight

40

00:13:53,509 --> 00:13:49,430

9

41

00:13:53,519 --> 00:14:03,030

stable condition

42

00:14:03,040 --> 00:14:16,550

foreign

43

00:14:16,560 --> 00:14:48,949

you know

44

00:14:53,590 --> 00:14:50,949

alex

45

00:15:03,269 --> 00:14:53,600

congratulations

46

00:15:03,279 --> 00:15:22,949

booth this is moscow

47

00:15:22,959 --> 00:15:28,949

loud and clear

48

00:15:32,069 --> 00:15:30,870

eighteen three we're ready to learn

49

00:15:42,230 --> 00:15:32,079

clear thank you very much for the

50

00:15:46,870 --> 00:15:44,550

joel montalbano deputy iss program

51
00:15:49,749 --> 00:15:46,880
manager joel um a thunderous wake-up

52
00:15:50,870 --> 00:15:49,759
call here in central kazakhstan uh

53
00:15:52,550 --> 00:15:50,880
another crew on route to the

54
00:15:54,389 --> 00:15:52,560
international space station your

55
00:15:56,470 --> 00:15:54,399
thoughts as the power of the soyuz

56
00:15:58,230 --> 00:15:56,480
reached the launch viewing site and your

57
00:16:00,230 --> 00:15:58,240
thoughts as you saw these this trio of

58
00:16:01,910 --> 00:16:00,240
space travelers take off just a

59
00:16:03,910 --> 00:16:01,920
brilliant launch tonight it's it's

60
00:16:05,829 --> 00:16:03,920
amazing to see the soyuz rocket turn

61
00:16:08,150 --> 00:16:05,839
night and today on its way to the

62
00:16:10,389 --> 00:16:08,160
international space station our russian

63
00:16:13,030 --> 00:16:10,399

colleagues truly have mastered the

64

00:16:14,629 --> 00:16:13,040

design production and execution of space

65

00:16:16,389 --> 00:16:14,639

vehicles

66

00:16:18,790 --> 00:16:16,399

single day launch to docking now this is

67

00:16:21,350 --> 00:16:18,800

the third one in a row and it always

68

00:16:23,110 --> 00:16:21,360

strikes me as pretty amazing how the

69

00:16:25,110 --> 00:16:23,120

choreography of all of this comes

70

00:16:26,870 --> 00:16:25,120

together what kind of preparation is

71

00:16:29,030 --> 00:16:26,880

required to pull off

72

00:16:31,269 --> 00:16:29,040

a fast track rendezvous like this you

73

00:16:32,790 --> 00:16:31,279

know our crews have been training for a

74

00:16:34,310 --> 00:16:32,800

little over two years to prepare for

75

00:16:35,829 --> 00:16:34,320

this this is something like you said

76

00:16:38,310 --> 00:16:35,839

that's a fairly new thing to the

77

00:16:40,870 --> 00:16:38,320

international space station program but

78

00:16:43,269 --> 00:16:40,880

the key to the partnership is throughout

79

00:16:45,670 --> 00:16:43,279

our 15 years has been flexibility

80

00:16:47,670 --> 00:16:45,680

earlier this week we started out with a

81

00:16:49,910 --> 00:16:47,680

plan the cygnus birthing followed by

82

00:16:51,670 --> 00:16:49,920

soyuz docking and now we're finishing

83

00:16:53,910 --> 00:16:51,680

with a soyuz docking and we're going to

84

00:16:56,550 --> 00:16:53,920

push the cygnus berthing a little later

85

00:16:58,470 --> 00:16:56,560

and it'll be later this weekend

86

00:17:00,550 --> 00:16:58,480

so a couple of minutes before launch the

87

00:17:02,790 --> 00:17:00,560

old space station flew directly over the

88

00:17:05,029 --> 00:17:02,800

baikonur cosmodrome followed

89

00:17:07,909 --> 00:17:05,039

in kind just a minute or so later by

90

00:17:09,429 --> 00:17:07,919

cygnus so what is the status of cygnus

91

00:17:11,990 --> 00:17:09,439

right now how are things proceeding

92

00:17:14,470 --> 00:17:12,000

along to get cygnus its maiden arrival

93

00:17:17,029 --> 00:17:14,480

at the complex so our orbital colleagues

94

00:17:18,630 --> 00:17:17,039

have run into a couple small hiccups as

95

00:17:20,549 --> 00:17:18,640

they're preparing to come on board the

96

00:17:22,309 --> 00:17:20,559

international space station

97

00:17:23,669 --> 00:17:22,319

their teams are truly professionals

98

00:17:25,669 --> 00:17:23,679

they're working with our teams in the

99

00:17:28,230 --> 00:17:25,679

mission control center houston

100

00:17:30,310 --> 00:17:28,240

working on a plan right now the schedule

101
00:17:33,350 --> 00:17:30,320
is to do a birthing no earlier than

102
00:17:35,510 --> 00:17:33,360
sunday evening baikonur time

103
00:17:38,470 --> 00:17:35,520
and joel final question

104
00:17:41,029 --> 00:17:38,480
kotov rozanski hopkins they bring a

105
00:17:42,390 --> 00:17:41,039
blend of experience and enthusiasm for

106
00:17:45,270 --> 00:17:42,400
the first

107
00:17:47,510 --> 00:17:45,280
time flyers hopkins and rozanski

108
00:17:49,590 --> 00:17:47,520
what kind of complexity lies ahead for

109
00:17:51,029 --> 00:17:49,600
them in the near term and then overall

110
00:17:52,630 --> 00:17:51,039
for the duration of their five and a

111
00:17:55,110 --> 00:17:52,640
half months on orbit

112
00:17:56,230 --> 00:17:55,120
these guys have a very busy schedule

113
00:17:58,789 --> 00:17:56,240

coming up

114

00:18:01,669 --> 00:17:58,799

as you said we have the

115

00:18:03,190 --> 00:18:01,679

cygnus birthing later this weekend we'll

116

00:18:05,669 --> 00:18:03,200

have the

117

00:18:07,270 --> 00:18:05,679

a november soyuz launch and on november

118

00:18:09,430 --> 00:18:07,280

soyuz landing we'll have nine people

119

00:18:11,350 --> 00:18:09,440

onboard the international space station

120

00:18:13,110 --> 00:18:11,360

we'll be bringing a replica olympic

121

00:18:15,190 --> 00:18:13,120

torch up in support of the upcoming

122

00:18:17,270 --> 00:18:15,200

olympics after that we have another

123

00:18:19,190 --> 00:18:17,280

orbital mission scheduled in december

124

00:18:21,110 --> 00:18:19,200

and a spacex mission scheduled early

125

00:18:22,310 --> 00:18:21,120

next year and in between all that

126

00:18:24,150 --> 00:18:22,320

they've been working on science and

127

00:18:26,070 --> 00:18:24,160

utilization on board now we're scheduled

128

00:18:28,390 --> 00:18:26,080

for this crew to be a little over 40

129

00:18:30,070 --> 00:18:28,400

hours average per week doing the science

130

00:18:31,909 --> 00:18:30,080

and utilization on the u.s segment so

131

00:18:33,510 --> 00:18:31,919

we're excited these guys looking forward

132

00:19:50,470 --> 00:18:33,520

to see their smiling faces on board the