



**Soyuz 44
(TMA-18M)**

Cygnus-4

Progress 61

**Soyuz 45
(TMA-19M)**

Progress 60

1
00:00:10,720 --> 00:00:08,930
hi welcome to inside the International

2
00:00:14,390 --> 00:00:10,730
Space Station flight control room as we

3
00:00:16,700 --> 00:00:14,400
mentioned earlier we are looking at a

4
00:00:18,980 --> 00:00:16,710
potential unplanned spacewalk so joining

5
00:00:21,170 --> 00:00:18,990
me here in the room today is Kenny Todd

6
00:00:24,109 --> 00:00:21,180
who is the space station operations and

7
00:00:27,230 --> 00:00:24,119
integration manager and you just came

8
00:00:29,720 --> 00:00:27,240
out of it I understand the International

9
00:00:32,210 --> 00:00:29,730
Space Station mission commission team

10
00:00:36,040 --> 00:00:32,220
meeting and can you tell me what is the

11
00:00:38,900 --> 00:00:36,050
latest that we have sure at this point

12
00:00:41,300 --> 00:00:38,910
we are we are in a good situation for

13
00:00:44,290 --> 00:00:41,310

60p undocking which will occur later

14

00:00:47,690 --> 00:00:44,300

tonight Houston time we were able to

15

00:00:49,790 --> 00:00:47,700

review some loads analysis allowed us to

16

00:00:52,580 --> 00:00:49,800

to get comfortable with the

17

00:00:54,830 --> 00:00:52,590

perturbations that that will experience

18

00:00:57,020 --> 00:00:54,840

as we maneuvered the station tonight

19

00:00:58,760 --> 00:00:57,030

getting ready for that that undocking so

20

00:01:01,100 --> 00:00:58,770

that was really good news that will

21

00:01:04,160 --> 00:01:01,110

allow our Russian colleagues to to stay

22

00:01:08,120 --> 00:01:04,170

on plant to to jettison their 60p

23

00:01:09,500 --> 00:01:08,130

progress from that point on where we're

24

00:01:12,350 --> 00:01:09,510

trying to put a plan together that

25

00:01:14,390 --> 00:01:12,360

supports their launch and docking of the

26
00:01:18,230 --> 00:01:14,400
62 progress which is currently planned

27
00:01:19,670 --> 00:01:18,240
for for monday and from a launch

28
00:01:21,350 --> 00:01:19,680
perspective and then a docking on

29
00:01:23,870 --> 00:01:21,360
wednesday and so we've got some

30
00:01:25,520 --> 00:01:23,880
activities in work right now to to try

31
00:01:27,800 --> 00:01:25,530
to provide us some options to be able to

32
00:01:29,630 --> 00:01:27,810
support that docking on wednesday okay

33
00:01:31,370 --> 00:01:29,640
and so in and of course we want to make

34
00:01:32,720 --> 00:01:31,380
sure we can support the undocking in the

35
00:01:34,490 --> 00:01:32,730
docking of the to progress vehicles

36
00:01:36,830 --> 00:01:34,500
let's go back just a little bit and talk

37
00:01:38,300 --> 00:01:36,840
about what transpired I guess it was on

38
00:01:39,830 --> 00:01:38,310

Wednesday that mobile transporter was

39

00:01:41,390 --> 00:01:39,840

discovered that it was stuck can you

40

00:01:44,570 --> 00:01:41,400

tell me what what happened what the

41

00:01:47,090 --> 00:01:44,580

events were since then sure we were we

42

00:01:49,430 --> 00:01:47,100

were doing some some payload operations

43

00:01:51,980 --> 00:01:49,440

we were moving the mt to to conduct some

44

00:01:54,020 --> 00:01:51,990

payload operations and shortly after we

45

00:01:57,170 --> 00:01:54,030

left one of the work sites we saw that

46

00:02:00,020 --> 00:01:57,180

the the mobile transporter stopped so we

47

00:02:01,520 --> 00:02:00,030

tried several attempts to to try to put

48

00:02:04,370 --> 00:02:01,530

it back at the same work site that we

49

00:02:07,010 --> 00:02:04,380

just left we found ourselves about 15 to

50

00:02:08,600 --> 00:02:07,020

20 centimeters short we tried several

51
00:02:11,240 --> 00:02:08,610
times altima tlie got it to about 10

52
00:02:13,190 --> 00:02:11,250
meters within 10 meters of the the work

53
00:02:13,950 --> 00:02:13,200
site unfortunately that's not close

54
00:02:16,440 --> 00:02:13,960
enough to do

55
00:02:19,260 --> 00:02:16,450
the the necessary latching that we would

56
00:02:22,140 --> 00:02:19,270
need to do to to support any dynamic

57
00:02:24,570 --> 00:02:22,150
events like maneuvering of the station

58
00:02:27,210 --> 00:02:24,580
or docking or undocking of vehicles and

59
00:02:29,130 --> 00:02:27,220
so that's a that's what we've done over

60
00:02:30,960 --> 00:02:29,140
the last couple of days is really put a

61
00:02:32,370 --> 00:02:30,970
lot of effort into trying to see if we

62
00:02:34,500 --> 00:02:32,380
could get that mobile transporter

63
00:02:35,910 --> 00:02:34,510

secured at the worksite okay and I

64

00:02:39,240 --> 00:02:35,920

understand the mobile transporter is

65

00:02:40,950 --> 00:02:39,250

it's it was what you said 15 one now

66

00:02:42,360 --> 00:02:40,960

it's 10 centimeters away from work

67

00:02:45,450 --> 00:02:42,370

station for can you tell me exactly

68

00:02:47,520 --> 00:02:45,460

where that is so people can sure sure if

69

00:02:49,680 --> 00:02:47,530

you look at the truss with it has a

70

00:02:52,020 --> 00:02:49,690

solar rays on on each end of it work

71

00:02:54,930 --> 00:02:52,030

site for is just almost directly over

72

00:02:56,820 --> 00:02:54,940

the u.s. lab so from a center of gravity

73

00:03:00,630 --> 00:02:56,830

standpoint it's it's actually in a very

74

00:03:03,270 --> 00:03:00,640

good position relative to to the loads

75

00:03:04,920 --> 00:03:03,280

that it might experience it might be a

76

00:03:06,900 --> 00:03:04,930

little more difficult situation had it

77

00:03:09,720 --> 00:03:06,910

been out on one end of the truss or the

78

00:03:11,010 --> 00:03:09,730

other so we kind of got lucky if we're

79

00:03:12,900 --> 00:03:11,020

going to have this kind of problem where

80

00:03:15,870 --> 00:03:12,910

again write and write it almost in the

81

00:03:20,430 --> 00:03:15,880

middle of the truss okay thanks and also

82

00:03:23,730 --> 00:03:20,440

so so we know it will be Kellyanne copra

83

00:03:25,410 --> 00:03:23,740

who be taking going outside the complex

84

00:03:28,590 --> 00:03:25,420

to do this can you tell me about how

85

00:03:31,020 --> 00:03:28,600

long with this space off be that we

86

00:03:32,370 --> 00:03:31,030

think sure at this point we're thinking

87

00:03:35,310 --> 00:03:32,380

of the order of three to three and a

88

00:03:36,660 --> 00:03:35,320

half hours we think the task itself that

89

00:03:40,110 --> 00:03:36,670

we're considering right now which is

90

00:03:42,270 --> 00:03:40,120

basically going out and and and working

91

00:03:43,770 --> 00:03:42,280

in around the SITA card area which is

92

00:03:45,660 --> 00:03:43,780

attached to the to the mobile

93

00:03:47,640 --> 00:03:45,670

transporter we think that's the source

94

00:03:50,640 --> 00:03:47,650

of the issue we can get there in

95

00:03:52,290 --> 00:03:50,650

relatively short order do the task but

96

00:03:53,310 --> 00:03:52,300

but while we're going out the hatch

97

00:03:55,500 --> 00:03:53,320

we're going to look and see if there's

98

00:03:58,350 --> 00:03:55,510

anything in that general area that we

99

00:04:00,840 --> 00:03:58,360

can go work on just because every time

100

00:04:03,120 --> 00:04:00,850

we go out there is a you know as a

101
00:04:05,100 --> 00:04:03,130
penalty to pay for preparing to go

102
00:04:07,010 --> 00:04:05,110
outside so when we do go outside we want

103
00:04:09,750 --> 00:04:07,020
to try to try to do as much as we can

104
00:04:12,750 --> 00:04:09,760
all that said our primary objective is

105
00:04:14,340 --> 00:04:12,760
to is to go out and get this mobile

106
00:04:16,920 --> 00:04:14,350
transporter and secure it at the site

107
00:04:19,020 --> 00:04:16,930
and and if at the end of the day that's

108
00:04:20,340 --> 00:04:19,030
all that we get done and it's a you know

109
00:04:22,290 --> 00:04:20,350
even shorter than three or three and a

110
00:04:23,820 --> 00:04:22,300
half hours that's okay okay that's good

111
00:04:26,070 --> 00:04:23,830
because I was going to ask it also if

112
00:04:27,450 --> 00:04:26,080
they do go out on this unplanned

113
00:04:28,740 --> 00:04:27,460

spacewalk would they would

114

00:04:30,240 --> 00:04:28,750

there will be the possibility of adding

115

00:04:32,760 --> 00:04:30,250

any additional task while they were out

116

00:04:35,430 --> 00:04:32,770

there to take advantage of you know that

117

00:04:36,930 --> 00:04:35,440

the direction we've given the team is to

118

00:04:38,640 --> 00:04:36,940

look at those things that are that are

119

00:04:41,219 --> 00:04:38,650

out there in that general area that we

120

00:04:43,980 --> 00:04:41,229

might be able to do but if in the

121

00:04:46,050 --> 00:04:43,990

planning part of doing this that that

122

00:04:48,120 --> 00:04:46,060

that takes us beyond our target date

123

00:04:50,400 --> 00:04:48,130

which is either monday or tuesday then

124

00:04:52,260 --> 00:04:50,410

then we need not to talk about those

125

00:04:54,600 --> 00:04:52,270

things we need the team to really be

126

00:04:55,920 --> 00:04:54,610

focused on getting us out the door on

127

00:04:57,809 --> 00:04:55,930

Monday or Tuesday go deal with this

128

00:04:59,339 --> 00:04:57,819

mobile transporter problem and what

129

00:05:01,290 --> 00:04:59,349

determines whether it's Monday or

130

00:05:03,300 --> 00:05:01,300

Tuesday I've kind of given that

131

00:05:07,020 --> 00:05:03,310

flexibility to the team what I've asked

132

00:05:09,839 --> 00:05:07,030

for is a plan to try to get us to Monday

133

00:05:12,749 --> 00:05:09,849

and if somewhere in there we're going to

134

00:05:14,820 --> 00:05:12,759

lose some significant content planned

135

00:05:17,460 --> 00:05:14,830

content and by that I mean I mean we're

136

00:05:18,870 --> 00:05:17,470

doing space station to do science if if

137

00:05:21,180 --> 00:05:18,880

we have some of our long duration

138

00:05:22,589 --> 00:05:21,190

subjects up there that that were going

139

00:05:24,390 --> 00:05:22,599

to lose out of a study then at that

140

00:05:26,279 --> 00:05:24,400

point then then I want to have that

141

00:05:27,870 --> 00:05:26,289

discussion our Russian colleagues

142

00:05:30,930 --> 00:05:27,880

they're going to launch their 62

143

00:05:33,360 --> 00:05:30,940

progress before we do the EBA either on

144

00:05:34,770 --> 00:05:33,370

Monday or Tuesday so we don't have a

145

00:05:37,140 --> 00:05:34,780

milestone that we're kind of tracking

146

00:05:38,790 --> 00:05:37,150

trying to track to there so I really did

147

00:05:40,020 --> 00:05:38,800

kind of give the team some flexibility

148

00:05:42,149 --> 00:05:40,030

with an understanding that they ought to

149

00:05:43,860 --> 00:05:42,159

shoot for monday will go to tuesday if

150

00:05:46,200 --> 00:05:43,870

we have to okay thank you so much and so

151

00:05:48,629 --> 00:05:46,210

I understand also the there's there'll

152

00:05:51,600 --> 00:05:48,639

be a mission managers team meeting

153

00:05:54,180 --> 00:05:51,610

tomorrow or no sunday and that's when

154

00:05:55,649 --> 00:05:54,190

there will be a go or no-go decision on

155

00:05:58,379 --> 00:05:55,659

whether or not we'll be doing this

156

00:06:00,120 --> 00:05:58,389

unplanned spacewalk correct correct yeah

157

00:06:01,469 --> 00:06:00,130

yeah we we need to give the team a

158

00:06:02,939 --> 00:06:01,479

couple of days here to try to work

159

00:06:05,520 --> 00:06:02,949

through the through the details of it

160

00:06:08,040 --> 00:06:05,530

and so I put a milestone on the schedule

161

00:06:09,420 --> 00:06:08,050

say let's talk on Sunday we'll move it

162

00:06:11,370 --> 00:06:09,430

if we need to if we're still trying to

163

00:06:13,409 --> 00:06:11,380

finish up some work and can't get a good

164

00:06:15,209 --> 00:06:13,419

picture of what the EPA is going to look

165

00:06:16,620 --> 00:06:15,219

like but I anticipate based on

166

00:06:18,629 --> 00:06:16,630

everything that I know right now that we

167

00:06:21,420 --> 00:06:18,639

can we can we can get together and and

168

00:06:23,399 --> 00:06:21,430

and be ready to go go get this approved

169

00:06:25,320 --> 00:06:23,409

on on Sunday morning on Sunday morning

170

00:06:28,260 --> 00:06:25,330

okay great well thank you so much so

171

00:06:29,760 --> 00:06:28,270

again Kenny Todd thank you for coming by

172

00:06:32,399 --> 00:06:29,770

and giving us the latest update of a

173

00:06:34,439 --> 00:06:32,409

potential spacewalk that is right now

174

00:06:37,439 --> 00:06:34,449

targeting you do monday or tuesday will

175

00:06:41,190 --> 00:06:37,449

bring you the latest update on all of

176

00:06:44,250 --> 00:06:41,200

NASA social media as well as on ww NSA

177

00:06:45,600 --> 00:06:44,260

gov flash station again that'll be

178

00:06:50,220 --> 00:06:45,610

Sunday morning when we'll have that