
Mission Control Center
NASA
JAXA
esa

1
00:00:07,829 --> 00:00:04,910
good afternoon welcome to the expedition

2
00:00:10,150 --> 00:00:07,839
3536 crew news conference i'm joined

3
00:00:11,669 --> 00:00:10,160
today by nasa astronaut chris cassidy

4
00:00:14,470 --> 00:00:11,679
and from the russian federal space

5
00:00:16,870 --> 00:00:14,480
agency cosmonauts pavel vinogradov and

6
00:00:18,230 --> 00:00:16,880
alexander misurkin the trio is set to

7
00:00:20,550 --> 00:00:18,240
launch to the international space

8
00:00:23,029 --> 00:00:20,560
station aboard a soyuz spacecraft on

9
00:00:25,509 --> 00:00:23,039
march 27th of this year with that i'll

10
00:00:27,029 --> 00:00:25,519
turn it over to the internet to the crew

11
00:00:28,630 --> 00:00:27,039
for their opening comments and remarks

12
00:00:31,269 --> 00:00:28,640
and then we'll follow up with questions

13
00:00:33,350 --> 00:00:31,279

and answers from the media chris

14
00:00:35,750 --> 00:00:33,360
thanks jay and it thanks everybody for

15
00:00:38,229 --> 00:00:35,760
being here today and for tuning in

16
00:00:39,830 --> 00:00:38,239
on nasa tv it's really exciting for us

17
00:00:42,389 --> 00:00:39,840
as a crew to be here because it means

18
00:00:44,869 --> 00:00:42,399
that we're really close to flight and

19
00:00:46,389 --> 00:00:44,879
it's we're honing in on the end of a two

20
00:00:47,670 --> 00:00:46,399
and a half two two and a half year

21
00:00:50,069 --> 00:00:47,680
training

22
00:00:51,990 --> 00:00:50,079
process which is culminating with some

23
00:00:54,069 --> 00:00:52,000
uh intense training here in houston and

24
00:00:56,630 --> 00:00:54,079
will soon be in star city where we'll

25
00:00:59,910 --> 00:00:56,640
have our final exams and want to prepare

26
00:01:02,709 --> 00:00:59,920
for our launch coming up on march 28th

27
00:01:04,710 --> 00:01:02,719
in kazakhstan the 27th here

28
00:01:06,310 --> 00:01:04,720
in houston

29
00:01:08,550 --> 00:01:06,320
it's looking to be shaping up to be a

30
00:01:11,190 --> 00:01:08,560
really exciting expedition we've got a

31
00:01:12,950 --> 00:01:11,200
lot going on the most exciting thing for

32
00:01:14,230 --> 00:01:12,960
us uh well there's several exciting

33
00:01:15,830 --> 00:01:14,240
things one of them is we have the

34
00:01:17,749 --> 00:01:15,840
potential to see

35
00:01:19,350 --> 00:01:17,759
every possible visiting vehicle that can

36
00:01:21,429 --> 00:01:19,360
come to the space station

37
00:01:23,670 --> 00:01:21,439
uh the possibility exists for us to see

38
00:01:24,469 --> 00:01:23,680

those vehicles and and participate in

39
00:01:32,310 --> 00:01:24,479
the

40
00:01:34,310 --> 00:01:32,320
missions so that's very exciting

41
00:01:36,710 --> 00:01:34,320
couple that with um

42
00:01:37,510 --> 00:01:36,720
seven possible spacewalks for the for

43
00:01:42,230 --> 00:01:37,520
the

44
00:01:44,469 --> 00:01:42,240
russian side three on potential evas on

45
00:01:46,630 --> 00:01:44,479
this on the american side as we sort out

46
00:01:48,870 --> 00:01:46,640
that plan later this month and into

47
00:01:50,870 --> 00:01:48,880
february

48
00:01:53,670 --> 00:01:50,880
on a personal side

49
00:01:55,670 --> 00:01:53,680
we're very excited to join

50
00:01:57,910 --> 00:01:55,680
our friends and colleagues roman

51
00:02:00,550 --> 00:01:57,920
romanenko chris hadfield and tom

52
00:02:02,069 --> 00:02:00,560
marshburn on the space station

53
00:02:03,670 --> 00:02:02,079
i like to joke around that i never go to

54
00:02:06,630 --> 00:02:03,680
space without tom marshburn because he

55
00:02:08,389 --> 00:02:06,640
and i flew together on sts-127

56
00:02:10,150 --> 00:02:08,399
and on the other side when they leave

57
00:02:12,550 --> 00:02:10,160
we'll uh we'll be joined by luca

58
00:02:16,229 --> 00:02:12,560
parmitano karen nyberg and fyodor your

59
00:02:18,229 --> 00:02:16,239
chicken all of whom uh we've

60
00:02:19,589 --> 00:02:18,239
become great friends with as we work

61
00:02:21,830 --> 00:02:19,599
through this training process to get

62
00:02:23,510 --> 00:02:21,840
ready for flight so we're really excited

63
00:02:25,910 --> 00:02:23,520

for the whole process and can't wait to

64
00:02:27,670 --> 00:02:25,920
start and with that i'll turn it over to

65
00:02:34,390 --> 00:02:27,680
our very experienced commander paul

66
00:02:34,400 --> 00:02:48,390
finished

67
00:02:48,400 --> 00:03:01,190
is

68
00:03:01,200 --> 00:03:08,229
me

69
00:03:11,430 --> 00:03:09,509
yes um

70
00:03:13,589 --> 00:03:11,440
i would like to support the opinion that

71
00:03:16,550 --> 00:03:13,599
we're approaching the finishing line we

72
00:03:19,910 --> 00:03:16,560
only have a few weeks left of training

73
00:03:21,589 --> 00:03:19,920
including the training in moscow and

74
00:03:24,070 --> 00:03:21,599
i would like to say that

75
00:03:26,869 --> 00:03:24,080
we have an excellent team both the team

76
00:03:29,030 --> 00:03:26,879
that is expecting us on board

77
00:03:31,589 --> 00:03:29,040
and the crew that will be arriving when

78
00:03:33,509 --> 00:03:31,599
we are on board of the iss our flight

79
00:03:35,990 --> 00:03:33,519
will be very interesting it will be very

80
00:03:38,869 --> 00:03:36,000
busy we will have a lot of vehicle

81
00:03:42,470 --> 00:03:38,879
flights as well as evas so i expect a

82
00:03:48,309 --> 00:03:43,509
so

83
00:03:50,550 --> 00:03:48,319
what i can add to all this word which my

84
00:03:52,070 --> 00:03:50,560
friend and colleague says

85
00:03:54,550 --> 00:03:52,080
say here

86
00:03:56,710 --> 00:03:54,560
i'm just really excited and looking

87
00:03:59,110 --> 00:03:56,720
forward to this flight and thank you

88
00:04:01,509 --> 00:03:59,120

very much for your interest in our

89
00:04:05,350 --> 00:04:01,519
flight too

90
00:04:07,350 --> 00:04:05,360
i probably think it would be

91
00:04:09,110 --> 00:04:07,360
my

92
00:04:11,589 --> 00:04:09,120
um

93
00:04:12,470 --> 00:04:11,599
it would be a great experience for me

94
00:04:14,470 --> 00:04:12,480
and

95
00:04:20,789 --> 00:04:14,480
their biggest

96
00:04:24,230 --> 00:04:22,390
okay we'll now open the floor for

97
00:04:26,390 --> 00:04:24,240
questions from the assembled media and

98
00:04:27,909 --> 00:04:26,400
then also along the phone bridge please

99
00:04:29,270 --> 00:04:27,919
the media please state your name and

100
00:04:30,870 --> 00:04:29,280
affiliation when you're asking a

101
00:04:35,189 --> 00:04:30,880
question

102
00:04:38,950 --> 00:04:37,590
thanks uh mark caro for aviation week

103
00:04:41,110 --> 00:04:38,960
and

104
00:04:43,590 --> 00:04:41,120
i'll just throw this out for for any of

105
00:04:46,070 --> 00:04:43,600
you if if your flight turns out to be

106
00:04:48,230 --> 00:04:46,080
the poor orbit

107
00:04:51,030 --> 00:04:48,240
demonstration of the soyuz

108
00:04:52,469 --> 00:04:51,040
capability to reach the station

109
00:04:53,430 --> 00:04:52,479
how does that

110
00:04:57,350 --> 00:04:53,440
how does

111
00:04:59,430 --> 00:04:57,360
good thing or a bad thing or it's an

112
00:05:19,749 --> 00:04:59,440
adventure to kind of see what what it's

113
00:05:19,759 --> 00:05:35,350

um

114
00:05:39,270 --> 00:05:37,270
i think this is a very good thing that

115
00:05:42,070 --> 00:05:39,280
we are decreasing the time that it takes

116
00:05:44,150 --> 00:05:42,080
for crews to reach the iss

117
00:05:46,150 --> 00:05:44,160
i don't anticipate any technical issues

118
00:05:48,550 --> 00:05:46,160
associated with this activity and i'm

119
00:05:50,230 --> 00:05:48,560
confident that we both in russia and in

120
00:06:03,670 --> 00:05:50,240
the united states we have excellent

121
00:06:03,680 --> 00:06:18,710
foreign

122
00:06:18,720 --> 00:06:25,270
um

123
00:06:29,909 --> 00:06:27,909
this is nothing new back in the 1960s

124
00:06:31,749 --> 00:06:29,919
and then in 1970s

125
00:06:32,950 --> 00:06:31,759
we had a

126
00:06:37,830 --> 00:06:32,960
short

127
00:06:39,909 --> 00:06:37,840
gemini program and also in russia or

128
00:06:42,230 --> 00:06:39,919
back then the ussr where it took only

129
00:06:44,469 --> 00:06:42,240
two or three orbits to

130
00:06:46,309 --> 00:06:44,479
reach the full orbit and so i am

131
00:06:50,870 --> 00:06:46,319
confident that we will be successful in

132
00:07:04,950 --> 00:06:52,870
okay

133
00:07:08,469 --> 00:07:06,390
well actually we're going to follow up

134
00:07:09,670 --> 00:07:08,479
with another question from

135
00:07:11,830 --> 00:07:09,680
mr crow

136
00:07:13,830 --> 00:07:11,840
yeah thank you mark caro for

137
00:07:17,270 --> 00:07:13,840
for aviation week

138
00:07:18,710 --> 00:07:17,280

the program scientists mentioned that

139
00:07:21,990 --> 00:07:18,720
one of the new

140
00:07:24,710 --> 00:07:22,000
research activities will be the

141
00:07:26,550 --> 00:07:24,720
the intracranial

142
00:07:28,790 --> 00:07:26,560
pressure measurements that have to do

143
00:07:30,790 --> 00:07:28,800
with vision problems and maybe this is

144
00:07:32,790 --> 00:07:30,800
one for you chris if you could

145
00:07:34,070 --> 00:07:32,800
um

146
00:07:36,230 --> 00:07:34,080
this seems like

147
00:07:37,670 --> 00:07:36,240
one of those kind of experiments that

148
00:07:41,270 --> 00:07:37,680
takes some

149
00:07:42,710 --> 00:07:41,280
time to do it right for you guys yet

150
00:07:45,670 --> 00:07:42,720
it's one of those things that could be

151
00:07:48,869 --> 00:07:45,680
very important for uh

152
00:07:52,070 --> 00:07:48,879
deep space exploration and even help in

153
00:07:54,710 --> 00:07:52,080
diagnosing a range of medical ills

154
00:07:56,550 --> 00:07:54,720
for us common people what i mean what

155
00:07:58,390 --> 00:07:56,560
how do you look at that

156
00:08:00,710 --> 00:07:58,400
well obviously it's very important

157
00:08:02,309 --> 00:08:00,720
uh data that we'll be collecting for

158
00:08:04,469 --> 00:08:02,319
just like you said for our own health

159
00:08:06,070 --> 00:08:04,479
but also as it translates to

160
00:08:08,550 --> 00:08:06,080
those of us here on the planet for

161
00:08:11,350 --> 00:08:08,560
ocular health and long-term health uh

162
00:08:12,950 --> 00:08:11,360
with yourself but

163
00:08:15,029 --> 00:08:12,960

that's one of those experiments in my

164
00:08:17,670 --> 00:08:15,039
mind

165
00:08:18,790 --> 00:08:17,680
the the science is the picture

166
00:08:20,150 --> 00:08:18,800
and

167
00:08:22,710 --> 00:08:20,160
we could have

168
00:08:24,309 --> 00:08:22,720
all everything set up perfectly but not

169
00:08:25,990 --> 00:08:24,319
take the picture correctly and it won't

170
00:08:27,430 --> 00:08:26,000
get the correct data back to the folks

171
00:08:29,749 --> 00:08:27,440
that really know what they're doing when

172
00:08:31,990 --> 00:08:29,759
they look at these images so so that's

173
00:08:33,909 --> 00:08:32,000
where our training is focused on in that

174
00:08:35,909 --> 00:08:33,919
particular experiment is how to set up

175
00:08:38,550 --> 00:08:35,919
that equipment how to utilize

176
00:08:40,550 --> 00:08:38,560
the different pieces of a gear that will

177
00:08:42,469 --> 00:08:40,560
get that picture in the with the right

178
00:08:43,750 --> 00:08:42,479
granularity on the right spots and

179
00:08:45,670 --> 00:08:43,760
looking at the

180
00:08:47,190 --> 00:08:45,680
all the

181
00:08:49,269 --> 00:08:47,200
parameters associated with the eye i'm

182
00:08:51,509 --> 00:08:49,279
not an eye guy obviously i'm just a

183
00:08:53,670 --> 00:08:51,519
subject and a very willing participant

184
00:08:54,630 --> 00:08:53,680
in the activity

185
00:08:57,110 --> 00:08:54,640
so

186
00:08:59,110 --> 00:08:57,120
that's where we'll be talking to folks

187
00:09:00,790 --> 00:08:59,120
on the ground who can be who'll be

188
00:09:02,790 --> 00:09:00,800

watching on board with us we'll be a

189
00:09:04,230 --> 00:09:02,800
video and any questions we have we can

190
00:09:05,910 --> 00:09:04,240
call down to the specialist and say

191
00:09:07,910 --> 00:09:05,920
how's that look would you like us to

192
00:09:09,430 --> 00:09:07,920
take another one and we'll do iterate

193
00:09:12,310 --> 00:09:09,440
that process until we do give them

194
00:09:15,350 --> 00:09:12,320
deliver them the right data but clearly

195
00:09:19,269 --> 00:09:15,360
that has immediate impact to crew health

196
00:09:21,430 --> 00:09:19,279
both on iss and obvious impact to future

197
00:09:27,269 --> 00:09:21,440
missions whatever they may be as we live

198
00:09:33,030 --> 00:09:29,110
okay are there other questions from the

199
00:09:39,350 --> 00:09:35,829
okay we'll now go to the phone bridge

200
00:09:41,509 --> 00:09:40,630
my question has been asked and answered

201
00:09:43,990 --> 00:09:41,519
thanks

202
00:09:48,710 --> 00:09:45,110
we'll come back are there any other

203
00:09:51,990 --> 00:09:50,070
that's great

204
00:09:53,990 --> 00:09:52,000
oh thank you very much mark caro from

205
00:09:56,550 --> 00:09:54,000
the houston chronicle um it sounded like

206
00:09:57,990 --> 00:09:56,560
potentially there's a lot of spacewalk

207
00:10:00,630 --> 00:09:58,000
activity

208
00:10:03,269 --> 00:10:00,640
there's higher expectations now for

209
00:10:05,350 --> 00:10:03,279
scientific research

210
00:10:08,389 --> 00:10:05,360
and you mentioned the

211
00:10:10,710 --> 00:10:08,399
uh potential for a lot of

212
00:10:13,430 --> 00:10:10,720
spacecraft dockings and they're all

213
00:10:15,110 --> 00:10:13,440

different kinds of spacecraft

214
00:10:18,150 --> 00:10:15,120
i guess i'm trying to get kind of a

215
00:10:20,150 --> 00:10:18,160
sense of what you anticipate as as the

216
00:10:22,790 --> 00:10:20,160
work pace it sounds like it could be

217
00:10:25,110 --> 00:10:22,800
rather frantic or if you're just

218
00:10:26,870 --> 00:10:25,120
well organized uh you know you'll step

219
00:10:29,509 --> 00:10:26,880
right into it but

220
00:10:33,509 --> 00:10:29,519
uh any of you that would talk about that

221
00:10:37,590 --> 00:10:35,670
that's a great question mark because

222
00:10:40,230 --> 00:10:37,600
you're you're exactly right it's shaping

223
00:10:43,269 --> 00:10:40,240
up to be a very dynamic and a very busy

224
00:10:45,829 --> 00:10:43,279
expedition we welcome that that makes uh

225
00:10:48,310 --> 00:10:45,839
makes us feel very rewarded

226
00:10:50,069 --> 00:10:48,320
and satisfying job

227
00:10:52,310 --> 00:10:50,079
jaw high job satisfaction not that

228
00:10:54,310 --> 00:10:52,320
anything in space isn't but when you can

229
00:10:56,550 --> 00:10:54,320
deliver for people that have worked hard

230
00:10:59,350 --> 00:10:56,560
to produce all those those activities on

231
00:11:00,790 --> 00:10:59,360
the ground that's very satisfying

232
00:11:02,470 --> 00:11:00,800
how do you manage that you know that's

233
00:11:04,630 --> 00:11:02,480
one of the key jobs of the planning team

234
00:11:06,389 --> 00:11:04,640
on the ground and then we'll with our

235
00:11:08,550 --> 00:11:06,399
feedback on hey we're

236
00:11:11,030 --> 00:11:08,560
we're redline pace here i i you know we

237
00:11:12,470 --> 00:11:11,040
might need to back off and we have uh as

238
00:11:14,069 --> 00:11:12,480

you may have heard we have conferences

239
00:11:16,630 --> 00:11:14,079
with the ops planning team and the

240
00:11:18,230 --> 00:11:16,640
flight directors once a week and

241
00:11:20,870 --> 00:11:18,240
through that communication we'll get the

242
00:11:22,710 --> 00:11:20,880
feedback into the system of

243
00:11:25,190 --> 00:11:22,720
we can handle a little more or this is

244
00:11:27,110 --> 00:11:25,200
about as much as we can take and we'll

245
00:11:29,829 --> 00:11:27,120
just keep the pace here for a little bit

246
00:11:31,190 --> 00:11:29,839
you know some of some of the um timeline

247
00:11:34,230 --> 00:11:31,200
pressure if you will

248
00:11:36,550 --> 00:11:34,240
may be alleviated as as the true as the

249
00:11:39,509 --> 00:11:36,560
plan on paper unfolds into a real real

250
00:11:40,870 --> 00:11:39,519
situation and then um

251
00:11:42,550 --> 00:11:40,880
we'll see how it plays from there but

252
00:11:44,230 --> 00:11:42,560
there'll be certain i'm sure there'll be

253
00:11:45,829 --> 00:11:44,240
certain discrete periods of time

254
00:11:47,670 --> 00:11:45,839
throughout the mission when

255
00:11:49,269 --> 00:11:47,680
we along with a flight control team have

256
00:11:50,790 --> 00:11:49,279
to together

257
00:11:52,629 --> 00:11:50,800
figure out what the priority

258
00:11:55,030 --> 00:11:52,639
prioritization of all these activities

259
00:11:59,110 --> 00:11:55,040
is so we can fit it all into a given

260
00:12:02,870 --> 00:12:00,710
okay are there any other follow-up

261
00:12:04,310 --> 00:12:02,880
questions

262
00:12:08,629 --> 00:12:04,320
along the phone bridge are there any

263
00:12:12,069 --> 00:12:10,389

all right well this concludes this

264
00:12:14,550 --> 00:12:12,079
afternoon's press briefing for more

265
00:12:16,389 --> 00:12:14,560
questions about nasa nasa programs the