CARL WALZ
VICE PRESIDENT,
ADVANCED PROGRAMS GROUP
ORBITAL SCIENCES CORPORATION

1
00:00:06,630 --> 00:00:04,870
the dragon departure on saturday and the

2
00:00:09,110 --> 00:00:06,640
progress departure early this morning

3
00:00:11,430 --> 00:00:09,120
leave a couple of open parking spots the

4
00:00:13,190 --> 00:00:11,440
departure of dragon leaves the

5
00:00:15,190 --> 00:00:13,200
docking port and the harmony module

6
00:00:16,790 --> 00:00:15,200
available for the next american

7
00:00:18,710 --> 00:00:16,800
commercial cargo ship

8
00:00:20,950 --> 00:00:18,720
and at the mid-atlantic regional

9
00:00:23,269 --> 00:00:20,960
spaceport at nasa's wallops flight

10
00:00:25,269 --> 00:00:23,279
facility in virginia orbital sciences

11
00:00:28,310 --> 00:00:25,279
corporation is getting ready to launch

12
00:00:30,630 --> 00:00:28,320
its next cygnus vehicle that's coming up

13
00:00:33,670 --> 00:00:30,640

less than eight hours from now launch at

14
00:00:35,670 --> 00:00:33,680
5 45 pm central time

15
00:00:37,430 --> 00:00:35,680
to get the latest on the launch

16
00:00:39,110 --> 00:00:37,440
preparations we're joined this morning

17
00:00:41,510 --> 00:00:39,120
by the vice president of orbital's

18
00:00:43,350 --> 00:00:41,520
advanced programs group carl waltz good

19
00:00:45,190 --> 00:00:43,360
morning carl

20
00:00:47,110 --> 00:00:45,200
good morning pat

21
00:00:49,190 --> 00:00:47,120
glad to be here tell me how are things

22
00:00:51,189 --> 00:00:49,200
going at the launch site this morning we

23
00:00:53,430 --> 00:00:51,199
saw a picture of uh of the vehicle on

24
00:00:56,389 --> 00:00:53,440
the pad looks great

25
00:00:59,510 --> 00:00:56,399
well the the weather is beautiful and i

26
00:01:02,549 --> 00:00:59,520
i think uh we have a uh

27
00:01:04,469 --> 00:01:02,559
two percent chance of uh no-go weather

28
00:01:07,109 --> 00:01:04,479
which you know is as good as you can get

29
00:01:09,350 --> 00:01:07,119
so we're uh we're really excited about

30
00:01:12,630 --> 00:01:09,360
the opportunity to launch today

31
00:01:14,870 --> 00:01:12,640
um we have our uh

32
00:01:17,350 --> 00:01:14,880
ss deak slayton

33
00:01:18,230 --> 00:01:17,360
we've named the the cygnus uh in honor

34
00:01:24,830 --> 00:01:18,240
of

35
00:01:28,630 --> 00:01:24,840
um with uh

36
00:01:29,590 --> 00:01:28,640
5055 pounds of pressurized cargo

37
00:01:34,630 --> 00:01:29,600
and

38
00:01:37,670 --> 00:01:34,640

this will be the

39
00:01:38,630 --> 00:01:37,680
the fifth launch of the antares rocket

40
00:01:41,350 --> 00:01:38,640
and

41
00:01:46,149 --> 00:01:41,360
this particular antares uh

42
00:01:46,950 --> 00:01:46,159
is uh the enhanced version it has a uh

43
00:02:07,030 --> 00:01:46,960
a

44
00:02:09,910 --> 00:02:07,040
on november 2nd

45
00:02:11,029 --> 00:02:09,920
and uh you know so we'll be uh we'll be

46
00:02:13,350 --> 00:02:11,039
um

47
00:02:16,630 --> 00:02:13,360
orbiting in space for uh for a little

48
00:02:18,790 --> 00:02:16,640
while after launch today uh just uh as

49
00:02:21,750 --> 00:02:18,800
you've noticed or mentioned that there

50
00:02:22,630 --> 00:02:21,760
are there's a lot of activity going on

51
00:02:23,510 --> 00:02:22,640
both

52
00:02:26,869 --> 00:02:23,520
with

53
00:02:29,430 --> 00:02:26,879
us and russian vehicles and so

54
00:02:33,270 --> 00:02:29,440
we have to take our turn and november

55
00:02:36,309 --> 00:02:33,280
2nd was the day designated and so we're

56
00:02:38,790 --> 00:02:36,319
we'll be happy to arrive at that point

57
00:02:40,869 --> 00:02:38,800
is there any impact for you folks in

58
00:02:44,070 --> 00:02:40,879
maintaining the ship on orbit over that

59
00:02:48,869 --> 00:02:45,990
no problem at all we'll

60
00:02:54,949 --> 00:02:51,270
nasa mission control there in houston to

61
00:02:57,910 --> 00:02:54,959
find a location uh nearby or not nearby

62
00:03:00,630 --> 00:02:57,920
but basically co-altitude uh with the

63
00:03:03,270 --> 00:03:00,640

iss probably somewhere between a

64
00:03:06,710 --> 00:03:03,280
thousand and two thousand kilometers

65
00:03:10,229 --> 00:03:06,720
behind the station and we will uh just

66
00:03:12,470 --> 00:03:10,239
station keep there um and then wait for

67
00:03:15,270 --> 00:03:12,480
our turn and then it's a matter of uh

68
00:03:18,229 --> 00:03:15,280
doing a couple of burns to to get us

69
00:03:19,830 --> 00:03:18,239
back onto the rendezvous profile for for

70
00:03:21,830 --> 00:03:19,840
november 2nd

71
00:03:24,070 --> 00:03:21,840
what are the milestones we should look

72
00:03:26,869 --> 00:03:24,080
for coming up this afternoon as you move

73
00:03:29,110 --> 00:03:26,879
up to the launch time

74
00:03:30,710 --> 00:03:29,120
uh well we'll be

75
00:03:33,670 --> 00:03:30,720
getting ready to

76
00:03:35,670 --> 00:03:33,680
to fuel the fuel the rocket so that

77
00:03:38,869 --> 00:03:35,680
should be happening

78
00:03:40,949 --> 00:03:38,879
sometime uh around three hours prior to

79
00:03:43,589 --> 00:03:40,959
launch and then

80
00:03:44,789 --> 00:03:43,599
and then we'll be looking for uh the

81
00:03:47,509 --> 00:03:44,799
range

82
00:03:48,949 --> 00:03:47,519
to give us a go to launch

83
00:03:52,949 --> 00:03:48,959
and

84
00:03:53,910 --> 00:03:52,959
is the team

85
00:03:57,429 --> 00:03:53,920
getting

86
00:04:00,149 --> 00:03:57,439
into a better rhythm about how the whole

87
00:04:03,910 --> 00:04:00,159
procedure works

88
00:04:05,509 --> 00:04:03,920

um yes i think the uh you know uh you

89
00:04:08,710 --> 00:04:05,519
know we have a great working

90
00:04:12,149 --> 00:04:08,720
relationship here with uh

91
00:04:15,990 --> 00:04:12,159
the nasa folks at nasa wallops uh

92
00:04:17,430 --> 00:04:16,000
the the range here is uh a nasa range

93
00:04:19,270 --> 00:04:17,440
and so

94
00:04:21,909 --> 00:04:19,280
we're very excited uh

95
00:04:24,629 --> 00:04:21,919
to be working with the nasa team here we

96
00:04:25,990 --> 00:04:24,639
also work with the mid-atlantic regional

97
00:04:28,390 --> 00:04:26,000
spaceport

98
00:04:31,110 --> 00:04:28,400
uh from the commonwealth of virginia

99
00:04:34,070 --> 00:04:31,120
and uh dale nash is the leader of that

100
00:04:36,629 --> 00:04:34,080
group and uh he just uh does a wonderful

101
00:04:41,030 --> 00:04:36,639
job he's a veteran of uh shuttle flights

102
00:04:43,909 --> 00:04:41,040
and and so he's uh he's very uh

103
00:04:45,670 --> 00:04:43,919
very well versed in uh you know uh

104
00:04:48,790 --> 00:04:45,680
making things uh making good things

105
00:04:51,110 --> 00:04:48,800
happen uh in space launches and so uh so

106
00:04:53,670 --> 00:04:51,120
we're uh we're working very closely both

107
00:04:55,510 --> 00:04:53,680
with uh with the the wallops range and

108
00:04:57,670 --> 00:04:55,520
then with mid-atlantic regional

109
00:04:58,790 --> 00:04:57,680
spaceport to

110
00:05:00,550 --> 00:04:58,800
to get off

111
00:05:04,150 --> 00:05:00,560
off the pad today and on our way to the

112
00:05:06,070 --> 00:05:04,160
space station now launch time is 6 45

113
00:05:07,670 --> 00:05:06,080

eastern time this qualifies a night

114
00:05:15,110 --> 00:05:07,680
launch

115
00:05:17,830 --> 00:05:15,120
time uh the space station will be flying

116
00:05:20,950 --> 00:05:17,840
overhead so it's uh so we'll get to see

117
00:05:22,150 --> 00:05:20,960
both the uh uh

118
00:05:31,029 --> 00:05:22,160
the

119
00:05:34,790 --> 00:05:31,039
same time any particular challenges for

120
00:05:35,670 --> 00:05:34,800
a night launch as opposed to daytime

121
00:05:37,270 --> 00:05:35,680
uh

122
00:05:39,350 --> 00:05:37,280
really um

123
00:05:41,990 --> 00:05:39,360
there's there's no real

124
00:05:44,550 --> 00:05:42,000
difference you know once the uh once the

125
00:05:47,510 --> 00:05:44,560
uh the main engines of the uh of the

126
00:05:49,909 --> 00:05:47,520
antares uh um

127
00:05:52,550 --> 00:05:49,919
uh once they light you know it's gonna

128
00:05:54,870 --> 00:05:52,560
get very bright and uh

129
00:05:57,990 --> 00:05:54,880
you know we'll uh uh all the ground

130
00:05:59,909 --> 00:05:58,000
tracking uh you know we'll uh we'll have

131
00:06:01,990 --> 00:05:59,919
no problem seeing the uh seeing the

132
00:06:03,990 --> 00:06:02,000
vehicle and then uh

133
00:06:08,390 --> 00:06:04,000
we should be able to see it uh well on

134
00:06:10,710 --> 00:06:08,400
its way downrange uh you know with uh

135
00:06:12,710 --> 00:06:10,720
you know with uh with the darkness so

136
00:06:14,950 --> 00:06:12,720
it actually should be uh much more

137
00:06:17,430 --> 00:06:14,960
visible than uh than it would be during

138
00:06:19,350 --> 00:06:17,440

a uh during a day launch

139
00:06:21,749 --> 00:06:19,360
you mentioned a moment ago too that this

140
00:06:24,309 --> 00:06:21,759
cygnus has been named the ss d slayton

141
00:06:26,629 --> 00:06:24,319
uh tell us why orbital's chosen to honor

142
00:06:29,430 --> 00:06:26,639
deke slayton in this way

143
00:06:31,430 --> 00:06:29,440
well deeks leighton you know was a uh

144
00:06:33,909 --> 00:06:31,440
you know certainly a military pilot

145
00:06:35,110 --> 00:06:33,919
combat veteran test pilot mercury 7

146
00:06:39,909 --> 00:06:35,120
astronaut

147
00:06:40,870 --> 00:06:39,919
flight crew operations

148
00:06:44,469 --> 00:06:40,880
flew

149
00:06:47,270 --> 00:06:44,479
on the apollo soyuz test mission

150
00:06:49,990 --> 00:06:47,280
but in addition to that

151
00:06:52,710 --> 00:06:50,000
yeah deke uh was involved

152
00:06:55,430 --> 00:06:52,720
in the birth of commercial uh space

153
00:06:57,990 --> 00:06:55,440
transportation and he worked for a

154
00:07:02,070 --> 00:06:58,000
company called space services

155
00:07:03,589 --> 00:07:02,080
and uh and developed uh

156
00:07:10,710 --> 00:07:03,599
the

157
00:07:13,350 --> 00:07:10,720
that

158
00:07:14,790 --> 00:07:13,360
worked to develop the commercial space

159
00:07:17,110 --> 00:07:14,800
launch act

160
00:07:18,390 --> 00:07:17,120
to uh permit

161
00:07:20,870 --> 00:07:18,400
um

162
00:07:22,710 --> 00:07:20,880
you know more commercial opportunities

163
00:07:25,670 --> 00:07:22,720

uh for companies to

164
00:07:28,870 --> 00:07:25,680
uh to provide access to orbit and so so

165
00:07:30,950 --> 00:07:28,880
he really uh he really was a trailblazer

166
00:07:33,830 --> 00:07:30,960
in a number of different ways both for

167
00:07:36,309 --> 00:07:33,840
nasa and for uh commercial commercial

168
00:07:38,230 --> 00:07:36,319
space launch and that's that's why we're

169
00:07:41,270 --> 00:07:38,240
honoring him today

170
00:07:43,029 --> 00:07:41,280
all is uh very exciting for uh been got

171
00:07:44,550 --> 00:07:43,039
an eye on the on the vehicle and on your

172
00:07:46,469 --> 00:07:44,560
control room there

173
00:07:48,469 --> 00:07:46,479
good luck this afternoon

174
00:07:50,629 --> 00:07:48,479
all right well thank you very much pat

175
00:07:52,869 --> 00:07:50,639
carl waltz is the vice president of the

176
00:07:55,350 --> 00:07:52,879
advanced programs group and orbital

177
00:07:57,749 --> 00:07:55,360
sciences corporation which is preparing

178
00:08:00,469 --> 00:07:57,759
to launch its uh

179
00:08:02,950 --> 00:08:00,479
third cygnus cargo vehicle to the

180
00:08:05,270 --> 00:08:02,960
international space station nasa tv will

181
00:08:09,110 --> 00:08:05,280
be carrying today's launch live our

182
00:08:11,749 --> 00:08:09,120
broadcast will get started at 4 45 pm

183
00:08:13,909 --> 00:08:11,759
central time the launch of the cygnus