



1
00:00:00,000 --> 00:00:54,069
foreign

2
00:00:56,830 --> 00:00:55,670
here's the endeavor on air to ground two

3
00:00:59,750 --> 00:00:56,840
we do have

4
00:01:22,710 --> 00:00:59,760
pcs the prime sensor now and it doesn't

5
00:01:26,149 --> 00:01:24,550
shuttle commander george zamka calling

6
00:01:28,469 --> 00:01:26,159
down to mission control to provide some

7
00:01:30,550 --> 00:01:28,479
information about the tcs the trajectory

8
00:01:32,630 --> 00:01:30,560
control sensor that that

9
00:01:35,350 --> 00:01:32,640
seems to be providing accurate to

10
00:01:36,870 --> 00:01:35,360
information about endeavors position

11
00:01:38,310 --> 00:01:36,880
relative to the international space

12
00:01:40,870 --> 00:01:38,320
station and matching up with the

13
00:01:41,910 --> 00:01:40,880

handheld laser that

14

00:01:43,109 --> 00:01:41,920
sensor

15

00:01:45,910 --> 00:01:43,119
did not

16

00:01:56,709 --> 00:01:45,920
work properly during endeavour's arrival

17

00:02:00,630 --> 00:01:58,550
endeavor houston air to ground two back

18

00:02:06,310 --> 00:02:00,640
with you uh zambo we did copy your call

19

00:02:10,949 --> 00:02:09,029
also uh we'd like uh houston got you

20

00:02:13,190 --> 00:02:10,959
loud and clear okay loud and clear also

21

00:02:17,270 --> 00:02:13,200
we'd also like you to uh check

22

00:02:43,350 --> 00:02:17,280
on panel a7l uh if the pb power off got

23

00:02:43,360 --> 00:03:01,509
thanks a lot looks great

24

00:03:05,509 --> 00:03:03,110
endeavor houston that we just came into

25

00:03:06,949 --> 00:03:05,519
the ku band uh we could come on on board

26
00:03:08,949 --> 00:03:06,959
if you still have your flight deck

27
00:03:10,470 --> 00:03:08,959
camcorder or we could just go for the

28
00:03:19,190 --> 00:03:10,480
outside view and wait for the sun to

29
00:03:23,030 --> 00:03:21,030
okay houston endeavor you are welcome on

30
00:03:25,190 --> 00:03:23,040
board steve ray's got the camcorder uh

31
00:03:26,869 --> 00:03:25,200
set up for uh for our ops on the flight

32
00:03:28,869 --> 00:03:26,879
deck we will take that view and move it

33
00:03:30,550 --> 00:03:28,879
to the window uh as we approach the fly

34
00:03:32,309 --> 00:03:30,560
around point

35
00:04:07,190 --> 00:03:32,319
sounds good inco is going to bring us on

36
00:04:10,630 --> 00:04:09,190
endeavor houston now for stevie ray on

37
00:04:12,869 --> 00:04:10,640
autogrant you can just make sure we're

38
00:04:54,390 --> 00:04:12,879

set up to come on board analog to the

39

00:04:58,790 --> 00:04:56,629

that sounds great uh we just see a good

40

00:05:10,710 --> 00:04:58,800

uh video now from the flight deck we

41

00:05:15,110 --> 00:05:12,870

this is a live view on the aft flight

42

00:05:17,029 --> 00:05:15,120

deck of the space shuttle endeavour

43

00:05:18,550 --> 00:05:17,039

pilot terry burts on the left flying

44

00:05:21,110 --> 00:05:18,560

endeavor away from the international

45

00:05:23,990 --> 00:05:21,120

space station now at a distance of 223

46

00:05:25,909 --> 00:05:24,000

feet

47

00:05:28,070 --> 00:05:25,919

astronaut k higher on the right holding

48

00:05:30,710 --> 00:05:28,080

the handheld laser

49

00:05:32,710 --> 00:05:30,720

to monitor that distance and to increase

50

00:05:34,870 --> 00:05:32,720

the distance and just to let you know

51
00:05:36,950 --> 00:05:34,880
the plan when the sun comes up here in a

52
00:05:39,670 --> 00:05:36,960
few minutes we're just going to switch

53
00:05:41,189 --> 00:05:39,680
our view over to the centerline camera

54
00:05:43,189 --> 00:05:41,199
and watch that view so you don't need to

55
00:05:44,950 --> 00:05:43,199
reconfigure your camera

56
00:05:51,110 --> 00:05:44,960
unless you need it to record the hd

57
00:05:55,029 --> 00:05:53,189
okay cj window thanks uh thanks for that

58
00:05:56,309 --> 00:05:55,039
we will take the camera and try to get

59
00:05:58,150 --> 00:05:56,319
that hd view

60
00:05:59,350 --> 00:05:58,160
uh we appreciate that flexibility though

61
00:06:01,110 --> 00:05:59,360
and uh

62
00:06:02,950 --> 00:06:01,120
if there's something that you

63
00:06:04,870 --> 00:06:02,960

request let us know we'll put in the

64

00:06:06,150 --> 00:06:04,880

queue and try to get it down to you yep

65

00:06:08,870 --> 00:06:06,160

we're enjoying the show right now

66

00:06:11,110 --> 00:06:08,880

endeavor and uh when the sun comes up

67

00:06:13,110 --> 00:06:11,120

then uh you can just go ahead and

68

00:06:15,830 --> 00:06:13,120

reconfigure your camera to capture that

69

00:06:17,510 --> 00:06:15,840

hd video in fact a few minutes prior if

70

00:06:22,870 --> 00:06:17,520

you want that'll be great to see if you

71

00:06:26,710 --> 00:06:24,710

yeah cj that would be a great call if

72

00:06:29,350 --> 00:06:26,720

you can give us a five minutes prior to

73

00:06:31,749 --> 00:06:29,360

uh the sun up that way we'd move the

74

00:06:33,430 --> 00:06:31,759

camera at that time

75

00:06:34,950 --> 00:06:33,440

we're four and a half minutes now so

76
00:06:36,790 --> 00:06:34,960
we're ready for you to do that anytime

77
00:06:41,909 --> 00:06:36,800
oh we got some great shots of terry

78
00:06:41,919 --> 00:06:56,870
excellent okay we'll move it over

79
00:07:00,710 --> 00:06:58,550
endeavors commander george zamka

80
00:07:11,029 --> 00:07:00,720
communicating with astronaut rick sterko

81
00:07:15,510 --> 00:07:14,309
coordinating the glimpse on board the

82
00:07:17,670 --> 00:07:15,520
flight deck of the space shuttle

83
00:07:26,950 --> 00:07:17,680
endeavour during its departure from the

84
00:07:32,070 --> 00:07:30,070
never pilot terry verts at the controls

85
00:07:48,950 --> 00:07:32,080
mission specialists kay hire and steve

86
00:07:54,070 --> 00:07:50,790
as the space shuttle endeavor is about

87
00:07:54,950 --> 00:07:54,080
to cross over into an orbital sunrise

88
00:07:58,469 --> 00:07:54,960

over

89

00:08:00,790 --> 00:07:58,479

russia and kazakhstan

90

00:08:02,469 --> 00:08:00,800

the view will be switched to the

91

00:08:04,869 --> 00:08:02,479

camera looking at the international

92

00:08:40,790 --> 00:08:04,879

space station for the fly around of the

93

00:08:43,990 --> 00:08:42,149

the crew member is now setting up the

94

00:08:45,509 --> 00:08:44,000

camera in the overhead window on board

95

00:08:47,030 --> 00:08:45,519

endeavor to look at the international

96

00:08:59,030 --> 00:08:47,040

space station

97

00:09:03,350 --> 00:09:01,030

just a couple minutes away from orbital

98

00:09:09,750 --> 00:09:03,360

sunrise to shed more light on the

99

00:09:09,760 --> 00:10:40,150

configurations

100

00:10:44,150 --> 00:10:42,230

the sun coming up on the international

101
00:10:46,310 --> 00:10:44,160
space station in this view provided by a

102
00:10:48,230 --> 00:10:46,320
video camera on board the space shuttle

103
00:10:49,910 --> 00:10:48,240
endeavor

104
00:10:55,030 --> 00:10:49,920
just about 400 feet away from the

105
00:10:58,630 --> 00:10:56,550
the shadow of the space shuttle

106
00:12:00,629 --> 00:10:58,640
endeavour visible on

107
00:12:04,550 --> 00:12:02,470
endeavor houston we see you in the fly

108
00:12:07,990 --> 00:12:04,560
around and we got to watch a great

109
00:12:10,710 --> 00:12:08,000
sunrise with the shadow of the shuttle

110
00:12:12,470 --> 00:12:10,720
on the space station we would uh like to

111
00:12:13,750 --> 00:12:12,480
verify your recording on board and then

112
00:12:20,069 --> 00:12:13,760
we're going to go ahead and switch over

113
00:12:26,310 --> 00:12:22,870

okay cj tappy thanks for that we see a

114

00:12:28,069 --> 00:12:26,320

red dot in the in the g1 and we're ready

115

00:12:44,629 --> 00:12:28,079

for you to switch the center line when

116

00:12:44,639 --> 00:12:47,670

thank you very much

117

00:12:50,949 --> 00:12:49,430

diverse pilot terry bertz has begun the

118

00:12:54,470 --> 00:12:50,959

fly round of the international space

119

00:12:58,150 --> 00:12:54,480

station at a distance of about 425 feet

120

00:13:01,430 --> 00:13:00,230

this view is from the camera set up in

121

00:13:41,910 --> 00:13:01,440

the

122

00:13:46,710 --> 00:13:43,750

endeavors pilot terry bertsa will be

123

00:13:49,110 --> 00:13:46,720

flying in the orbiter in a fly around of