



1
00:00:09,910 --> 00:00:07,909
the station was maneuvered to the

2
00:00:11,990 --> 00:00:09,920
capture attitude a little after three

3
00:00:13,749 --> 00:00:12,000
o'clock this morning that was completed

4
00:00:15,030 --> 00:00:13,759
in short order in about four or five

5
00:00:16,870 --> 00:00:15,040
minutes

6
00:00:20,310 --> 00:00:16,880
in the station was reported to be in the

7
00:00:23,029 --> 00:00:20,320
proper capture attitude at 309 uh this

8
00:00:24,710 --> 00:00:23,039
morning and in fact scott kelly the

9
00:00:26,230 --> 00:00:24,720
commander of

10
00:00:30,070 --> 00:00:26,240
the station

11
00:00:33,110 --> 00:00:30,080
at 321 reported to houston a tally ho

12
00:00:34,069 --> 00:00:33,120
meaning his he had a visual

13
00:00:36,389 --> 00:00:34,079

view

14

00:00:39,430 --> 00:00:36,399
of the cygnus spacecraft that was

15

00:00:41,270 --> 00:00:39,440
reported at 2.65 kilometer distance or

16

00:00:43,910 --> 00:00:41,280
1.65

17

00:00:46,150 --> 00:00:43,920
statute miles while the two spacecraft

18

00:00:48,270 --> 00:00:46,160
traveled high above the

19

00:01:00,470 --> 00:00:48,280
south atlantic at an altitude of about

20

00:01:06,630 --> 00:01:04,630
now inside 32 meters 104 feet from the

21

00:01:07,830 --> 00:01:06,640
station standing by

22

00:01:11,270 --> 00:01:07,840
for the

23

00:01:13,270 --> 00:01:11,280
next staging point at 30 meters

24

00:01:18,310 --> 00:01:13,280
beautiful view of the

25

00:01:21,830 --> 00:01:19,429
as

26
00:01:23,270 --> 00:01:21,840
cygnus and the space station approach

27
00:01:53,510 --> 00:01:23,280
the southern

28
00:01:57,990 --> 00:01:55,990
and on board the crew is

29
00:01:59,590 --> 00:01:58,000
repositioning the cameras that's the

30
00:02:01,190 --> 00:01:59,600
movement that you see that's actually

31
00:02:04,149 --> 00:02:01,200
being controlled by the crew they're

32
00:02:06,870 --> 00:02:04,159
setting up their own uh camera views uh

33
00:02:08,869 --> 00:02:06,880
in preparation for the uh final approach

34
00:02:11,110 --> 00:02:08,879
of the cygnus

35
00:02:13,670 --> 00:02:11,120
during this rendezvous phase with the

36
00:02:16,070 --> 00:02:13,680
international space station the european

37
00:02:17,830 --> 00:02:16,080
space agency columbus laboratory coming

38
00:02:18,869 --> 00:02:17,840

into view there in the bottom of the

39

00:02:20,869 --> 00:02:18,879

picture

40

00:02:22,710 --> 00:02:20,879

and there you see the

41

00:02:25,190 --> 00:02:22,720

canadarm2 the

42

00:02:27,910 --> 00:02:25,200

major contribution

43

00:02:31,750 --> 00:02:27,920

provided by the canadian space agency

44

00:02:33,990 --> 00:02:31,760

experts in robotics space robotics

45

00:02:39,030 --> 00:02:36,790

this gives a very good relative distance

46

00:02:40,949 --> 00:02:39,040

of cygnus to the international space

47

00:02:43,030 --> 00:02:40,959

station and the

48

00:02:57,589 --> 00:02:43,040

end effector the latching end effector

49

00:03:00,949 --> 00:02:59,430

you're using that 20 meters as far as

50

00:03:02,830 --> 00:03:00,959

the quarter monitoring everything's

51
00:03:11,830 --> 00:03:02,840
lined up

52
00:03:16,710 --> 00:03:14,470
the coast of

53
00:03:19,750 --> 00:03:16,720
south africa falling away beneath the

54
00:03:22,550 --> 00:03:19,760
station at an altitude of 254 statute

55
00:03:31,030 --> 00:03:22,560
miles crossing the coastline

56
00:03:36,710 --> 00:03:34,229
and you see that distance closing now

57
00:03:39,030 --> 00:03:36,720
um about to reach a point what's known

58
00:03:40,710 --> 00:03:39,040
as the capture point and you saw the

59
00:03:42,949 --> 00:03:40,720
view from the latching end effector

60
00:03:43,990 --> 00:03:42,959
camera and you can clearly see

61
00:03:45,830 --> 00:03:44,000
the uh

62
00:03:48,229 --> 00:03:45,840
grapple pin

63
00:03:51,030 --> 00:03:48,239

on the cygnus spacecraft a beautiful

64

00:03:53,589 --> 00:03:51,040

view of this brand new cargo vehicle the

65

00:03:56,229 --> 00:03:53,599

commercial cargo vehicle arriving at the

66

00:03:58,949 --> 00:03:56,239

station as the two spacecraft currently

67

00:04:00,869 --> 00:03:58,959

fly high above zimbabwe tracking

68

00:04:12,070 --> 00:04:00,879

northeasterly

69

00:04:16,390 --> 00:04:13,830

and unfortunately we'll probably lose

70

00:04:17,909 --> 00:04:16,400

our television for the next 15 or 20

71

00:04:21,509 --> 00:04:17,919

minutes

72

00:04:43,430 --> 00:04:21,519

as we've lost a communications link

73

00:04:50,950 --> 00:04:46,950

and capture confirmed