



1  
00:00:07,590 --> 00:00:06,070  
once uh cygnus uh was uh grappled

2  
00:00:10,709 --> 00:00:07,600  
and a hard

3  
00:00:13,669 --> 00:00:10,719  
handshake was made between the station's

4  
00:00:15,350 --> 00:00:13,679  
robotic arm and the cargo craft itself

5  
00:00:17,750 --> 00:00:15,360  
the robotics officer here in mission

6  
00:00:19,189 --> 00:00:17,760  
control took over and began to maneuver

7  
00:00:20,950 --> 00:00:19,199  
cygnus into what is called the

8  
00:00:23,269 --> 00:00:20,960  
pre-install position

9  
00:00:25,509 --> 00:00:23,279  
again this video captured a short time

10  
00:00:29,029 --> 00:00:25,519  
ago shows of the cygnus with its

11  
00:00:31,830 --> 00:00:29,039  
signature ultraflex solar arrays being

12  
00:00:35,270 --> 00:00:31,840  
placed into the correct orientation uh

13  
00:00:37,990 --> 00:00:35,280

toward the earth-facing side of unity

14

00:00:40,790 --> 00:00:38,000

and the common birthing mechanism

15

00:00:43,270 --> 00:00:40,800

to which the cygnus spacecraft will be

16

00:00:45,830 --> 00:00:43,280

latched up to a short time from now

17

00:00:48,950 --> 00:00:45,840

everything has proceeded on track for

18

00:00:50,150 --> 00:00:48,960

the pre-install activities again

19

00:00:52,470 --> 00:00:50,160

this

20

00:00:54,869 --> 00:00:52,480

at the current time the robotics officer

21

00:00:57,110 --> 00:00:54,879

is carefully monitoring the orientation

22

00:00:59,270 --> 00:00:57,120

and the alignment of the

23

00:01:01,590 --> 00:00:59,280

common birthing mechanism the passive

24

00:01:04,390 --> 00:01:01,600

common birthing mechanism on the forward

25

00:01:06,469 --> 00:01:04,400

side of uh cygnus with the active common

26  
00:01:08,390 --> 00:01:06,479  
birthing mechanism on the earth-facing

27  
00:01:10,550 --> 00:01:08,400  
side of the unity module to make sure we

28  
00:01:12,789 --> 00:01:10,560  
have a precise alignment before he

29  
00:01:15,270 --> 00:01:12,799  
guides it in for the so-called

30  
00:01:18,070 --> 00:01:15,280  
pre-install and ready-to-latch position

31  
00:01:20,230 --> 00:01:18,080  
that will mark uh the precursor to the

32  
00:01:27,990 --> 00:01:20,240  
actual bolting of cygnus to the

33  
00:01:33,030 --> 00:01:30,469  
station now uh beginning to move into an

34  
00:01:34,789 --> 00:01:33,040  
orbital sunrise and once we uh lock up

35  
00:01:36,950 --> 00:01:34,799  
voice communication with the crew which

36  
00:01:38,149 --> 00:01:36,960  
should be momentarily we should be

37  
00:01:41,270 --> 00:01:38,159  
seeing uh

38  
00:01:44,389 --> 00:01:41,280

activity uh resume uh with the robotics

39

00:01:46,310 --> 00:01:44,399

officer uh nudging the cygnus cargo

40

00:01:48,950 --> 00:01:46,320

craft ever so close to its ready to

41

00:01:51,749 --> 00:01:48,960

latch position on the earth-facing side

42

00:01:57,590 --> 00:01:51,759

of the unity module of the international

43

00:02:01,670 --> 00:01:59,910

there's a good close-up view of the

44

00:02:04,389 --> 00:02:01,680

cygnus

45

00:02:07,109 --> 00:02:04,399

ever so slowly being aligned and moved

46

00:02:09,589 --> 00:02:07,119

towards that open hatch which is

47

00:02:11,029 --> 00:02:09,599

actually the common berthing mechanism

48

00:02:13,750 --> 00:02:11,039

uh the

49

00:02:17,030 --> 00:02:13,760

common berthing mechanism uh will uh

50

00:02:20,150 --> 00:02:17,040

receive uh the passive side

51  
00:02:23,350 --> 00:02:20,160  
of uh the cygnus cargo craft uh to

52  
00:02:26,229 --> 00:02:23,360  
permit uh the start of bolting

53  
00:02:27,830 --> 00:02:26,239  
again there are 16 bolts four gangs of

54  
00:02:28,710 --> 00:02:27,840  
four bolts a piece

55  
00:02:33,110 --> 00:02:28,720  
that

56  
00:02:37,830 --> 00:02:36,150  
the robotic arm continues to press in

57  
00:02:39,910 --> 00:02:37,840  
ever so slowly

58  
00:02:42,070 --> 00:02:39,920  
to what uh ultimately will be the ready

59  
00:02:44,229 --> 00:02:42,080  
to latch position for cygnus on the

60  
00:02:46,390 --> 00:02:44,239  
earth-facing port of the unity module of

61  
00:02:47,830 --> 00:02:46,400  
the international space station we

62  
00:02:52,550 --> 00:02:47,840  
should be there

63  
00:02:57,910 --> 00:02:55,670

station houston on two ssrms mode to

64

00:03:02,309 --> 00:02:57,920

limp is complete go for second stage

65

00:03:02,319 --> 00:03:06,869

and we're standing by uh for the final

66

00:03:11,830 --> 00:03:09,589

point of uh the mating of cygnus to the

67

00:03:16,309 --> 00:03:11,840

international space station standing by

68

00:03:20,790 --> 00:03:19,589

first step seven uh auto safing is

69

00:03:23,910 --> 00:03:20,800

inhibited

70

00:03:26,869 --> 00:03:23,920

gopher ssr ms brakes um you can

71

00:03:29,350 --> 00:03:26,879

ungrapple the element for timely

72

00:03:31,589 --> 00:03:29,360

copy that good news thanks jeff

73

00:03:32,630 --> 00:03:31,599

the exercise constraint can now be

74

00:03:34,630 --> 00:03:32,640

lifted

75

00:03:38,149 --> 00:03:34,640

and we'll put the safing in work for

76

00:03:40,229 --> 00:03:38,159

your next procedure regarding cbcs

77

00:03:42,070 --> 00:03:40,239

and the good news uh relayed up to jeff

78

00:03:46,390 --> 00:03:42,080

williams

79

00:03:47,509 --> 00:03:46,400

9 52 9 52 a.m central time second stage

80

00:03:49,990 --> 00:03:47,519

capture

81

00:03:52,710 --> 00:03:50,000

confirmed as the international space