



1
00:00:02,068 --> 00:00:05,238
NOW IN VIEW IS THE CYGNUS CARGO

2
00:00:05,305 --> 00:00:05,572
CRAFT.

3
00:00:05,638 --> 00:00:07,307
YOU CAN START SEEING THE SOLAR

4
00:00:07,374 --> 00:00:08,708
ARRAYS AT THE SIDE AND YOU SEE

5
00:00:08,775 --> 00:00:41,708
THE BACK LEFT THERE.

6
00:00:41,775 --> 00:00:43,410
>>> 5 METRES AWAY FROM THE

7
00:00:43,476 --> 00:00:45,145
HOLDING POINT.

8
00:00:45,211 --> 00:00:48,982
CLOSER TO ABOUT 34 METRES AWAY

9
00:00:49,048 --> 00:00:49,816
FROM THE INTERNATIONAL SPACE

10
00:00:49,883 --> 00:00:50,150
STATION.

11
00:00:50,216 --> 00:00:51,985
THE RATE IS SLOWING DOWN JUST A

12
00:00:52,051 --> 00:00:54,521
BIT ABOUT 0.4 METRES PER SECOND,

13
00:00:54,587 --> 00:00:56,423

CLOSING IN ON THAT 30-METRE

14

00:00:56,489 --> 00:00:56,956

HOLDING POINT.

15

00:00:57,023 --> 00:00:58,958

FROM THEN, AGAIN, GROUND TEAMS

16

00:00:59,025 --> 00:00:59,859

WILL ASSESS WHETHER OR NOT TO

17

00:00:59,926 --> 00:01:04,564

MOVE TOWARDS THAT CAPTURE

18

00:01:04,631 --> 00:01:04,931

POSITION.

19

00:01:04,998 --> 00:01:08,735

THE OFFICER ON THE INTERNATIONAL

20

00:01:08,802 --> 00:01:09,402

SPACE STATION WORKING WITH

21

00:01:09,469 --> 00:01:11,738

ANOTHER TO WORK ON THE ROBOTIC

22

00:01:11,805 --> 00:01:29,389

TO CAPTURE THE VEHICLE

23

00:01:29,456 --> 00:01:29,689

VIEW.

24

00:01:29,756 --> 00:01:30,390

>>> THE FLIGHT CONTROLLER

25

00:01:30,457 --> 00:01:31,691

FLICKED THE CAMERA TO GET A

26

00:01:31,758 --> 00:01:33,860

BETTER VIEW OF THE STATION'S

27

00:01:33,927 --> 00:01:35,962

ROBOTIC ARM AND CYGNUS.

28

00:01:36,029 --> 00:01:38,164

AGAIN CYGNUS HOLDING 30 METRES

29

00:01:38,231 --> 00:01:38,898

AWAY FROM STATION.

30

00:01:38,965 --> 00:01:41,034

YOU CAN SEE THE TIP OF THE

31

00:01:41,100 --> 00:01:42,202

STATION'S ROBOTIC ARM.

32

00:01:42,268 --> 00:01:43,369

THEY'RE SORT OF TOWARD THE

33

00:01:43,436 --> 00:01:44,704

CENTER OF YOUR SCREEN.

34

00:01:44,771 --> 00:01:48,408

THAT'S WHERE CYGNUS IS HEADING

35

00:01:48,475 --> 00:01:49,175

NEXT AFTER THE GO FOR DEPARTING

36

00:01:49,242 --> 00:01:51,511

THE 30 METRE HOLDING POINT.

37

00:01:51,578 --> 00:01:53,179

IT WILL GO JUST ABOUT AROUND THE

38

00:01:53,246 --> 00:01:57,817

RANGE OF 10 METRES AWAY FROM THE

39

00:01:57,884 --> 00:01:58,518

INTERNATIONAL SPACE STATION,

40

00:01:58,585 --> 00:02:00,520

ABOUT 10 OR 12.

41

00:02:00,587 --> 00:02:02,222

THAT WILL GET IT INTO ITS

42

00:02:02,288 --> 00:02:04,524

POSITION ALMOST PERFECTLY, SO

43

00:02:04,591 --> 00:02:08,661

THE CONTROLS WILL BE PUSHED

44

00:02:08,728 --> 00:02:08,995

FORWARD.

45

00:02:09,062 --> 00:02:11,164

YOU CAN SEE THE VEHICLE WILL BE

46

00:02:11,231 --> 00:02:13,132

GRABBED AND RIGHT NOW WE'RE

47

00:02:13,199 --> 00:02:15,768

LOOKING AT A CAPTURE TIME AROUND

48

00:02:15,835 --> 00:02:17,971

THE VICINITY OF 4AM CENTRAL

49

00:02:18,037 --> 00:02:18,271

TIME.

50

00:02:18,338 --> 00:02:22,675

WE WILL KEEP YOU UPDATED IF

51
00:02:22,742 --> 00:02:26,446
ANYTHING CHANGES.

52
00:02:26,513 --> 00:02:30,483
IN THE MEANTIME, WE WILL WAIT

53
00:02:30,550 --> 00:02:32,118
FOR THE CALL TO DEPART THE 30

54
00:02:32,185 --> 00:02:38,358
METRE HOLDING POINT.

55
00:02:53,473 --> 00:02:53,740
VEHICLE.

56
00:02:53,806 --> 00:02:59,445
>>> NOW PASSING 13 METRES BY THE

57
00:02:59,512 --> 00:02:59,779
STATION.

58
00:02:59,846 --> 00:03:09,188
YOU CAN SEE THE WEST COAST OF

59
00:03:09,255 --> 00:03:09,889
SOUTH AFRICA, INTERNATIONAL

60
00:03:09,956 --> 00:03:11,291
SPACE STATION 257 STATUTE MILES

61
00:03:11,357 --> 00:03:11,791
ABOVE THE EARTH.

62
00:03:11,858 --> 00:03:12,525
CYGNUS CARGO VEHICLE JUST OVER

63
00:03:12,592 --> 00:03:13,192

12 METRES AWAY FROM THAT.

64

00:03:13,259 --> 00:03:15,361

THE STATION JUST OVER TO PASS

65

00:03:15,428 --> 00:03:28,608

OVER CAPE TOWN SOUTH AFRICA

66

00:03:28,675 --> 00:03:30,410

NOW 2 METRES AWAY.

67

00:03:30,476 --> 00:03:50,563

EVERYTHING LOOKING GOOD SO FAR.

68

00:04:30,536 --> 00:04:42,081

>>> IN THE CAPTURE ENVELOPE.

69

00:04:42,148 --> 00:04:47,754

CARRIAGE IS DRIVING.

70

00:04:47,820 --> 00:04:51,024

DRIVING THE FINAL COMMANDS TO

71

00:04:51,090 --> 00:04:56,095

CAPTURE THE CYGNUS VEHICLE

72

00:04:56,162 --> 00:04:57,997

4.04AM TODAY OVER THE

73

00:04:58,064 --> 00:05:01,868

SOUTH-EASTERN INDIAN OCEAN, JUST

74

00:05:01,934 --> 00:05:12,779

SOUTH-WEST OF AUSTRALIA

75

00:05:12,845 --> 00:05:14,047

ROBOTICS OFFICERS WORKING

76
00:05:14,113 --> 00:05:15,948
THROUGH THE INSTALLATION PROCESS

77
00:05:16,015 --> 00:05:16,215
NOW.

78
00:05:16,282 --> 00:05:17,583
RIGHT NOW AT THE END OF THE

79
00:05:17,650 --> 00:05:20,586
STATION'S ROBOTIC ARM IS THE

80
00:05:20,653 --> 00:05:22,155
CYGNUS VEHICLE MOVING TOWARDS

81
00:05:22,221 --> 00:05:25,792
THE EARTH-FACING PORT OF THE

82
00:05:25,858 --> 00:05:27,493
MODULE WHERE IT WILL STAY FOR

83
00:05:27,560 --> 00:05:29,595
THE NEXT FEW WEEKS UP UNTIL

84
00:05:29,662 --> 00:05:31,898
EARLY DECEMBER.

85
00:05:31,964 --> 00:05:33,599
THE INSTALLATION PROCESS WILL

86
00:05:33,666 --> 00:05:34,934
INCLUDE THE STATION'S ROBOTIC

87
00:05:35,001 --> 00:05:36,869
ARM DRIVING IT INTO THAT PORT.

88
00:05:36,936 --> 00:05:40,173

THERE ARE FOUR GANGS OF FOUR

89

00:05:40,239 --> 00:05:41,874

BOLTS, 16 BOLTS THAT NEED TO BE

90

00:05:41,941 --> 00:05:42,508

DRIVEN TO COMPLETE THE

91

00:05:42,575 --> 00:05:43,609

INSTALLATION PROCESS.

92

00:05:43,676 --> 00:05:46,913

THERE IS A FIRST AND SECOND

93

00:05:46,979 --> 00:05:49,415

STAGE TO CAPTURE ON THE SECOND

94

00:05:49,482 --> 00:05:51,584

STAGE WILL BE THE OFFICIAL

95

00:05:51,651 --> 00:06:07,266

G TIME OF 4 TODAY

96

00:06:07,333 --> 00:06:07,600

MINUTES.

97

00:06:07,667 --> 00:06:08,835

>>> IF YOU LOOK CLOSELY YOU CAN

98

00:06:08,901 --> 00:06:10,703

SEE THE CYGNUS MOVING IN FRONT

99

00:06:10,770 --> 00:06:12,171

OF THE COMMON BIRTHING MECHANISM

100

00:06:12,238 --> 00:06:15,508

THAT YOU CAN SEE RIGHT THERE IN

101
00:06:15,575 --> 00:06:20,413
THE MIDDLE OF YOUR SCREEN.

102
00:06:20,480 --> 00:06:28,154
THE CYGNUS HAS ON BEEN 7400

103
00:06:28,221 --> 00:06:33,993
POUNDS OF SUPPLIES AND

104
00:06:34,060 --> 00:06:34,360
EQUIPMENT.

105
00:06:34,427 --> 00:06:36,963
>>> RELOCATE FROM THE AIR LOCK.

106
00:06:37,029 --> 00:06:39,966
CORRECT, TO THE AIR LOCK IS

107
00:06:40,032 --> 00:06:40,333
COMPLETE.

108
00:06:40,399 --> 00:06:51,244
>>> WE COPY, THANK YOU.

109
00:06:51,310 --> 00:06:54,847
>>> IT MAY LOOK LIKE THE CYGNUS

110
00:06:54,914 --> 00:06:56,082
CARGO VEHICLE IS JUST SORT OF

111
00:06:56,149 --> 00:06:58,885
HANGING OUT THERE, BUT THERE'S A

112
00:06:58,951 --> 00:07:01,320
LOT GOING ON, ON THE BACK END.

113
00:07:01,387 --> 00:07:05,992

THE ROBOTICS OFFICERS ARE MOVING

114

00:07:06,058 --> 00:07:08,761

ON FORWARD TO THE READY TO LATCH

115

00:07:08,828 --> 00:07:09,162

INDICATORS.

116

00:07:09,228 --> 00:07:11,063

ONCE ALL OF THEM ARE GREEN LIT,

117

00:07:11,130 --> 00:07:21,374

THEY WILL DRIVE THE BOLTS AND

118

00:07:21,440 --> 00:07:21,607

.

119

00:07:21,674 --> 00:07:24,076

>>> WITH THE FLIGHT DIRECTOR

120

00:07:24,143 --> 00:07:26,112

CONFIRMATION, ALL 16 BOLTS HAVE

121

00:07:26,179 --> 00:07:29,982

BEEN SUCCESSFULLY DRIVEN AND

122

00:07:30,049 --> 00:07:32,585

SECOND-STAGE CAPTURE OF

123

00:07:32,652 --> 00:07:34,353

INSTALLATION OF CYGNUS TO THE

124

00:07:34,420 --> 00:07:35,121

INTERNATIONAL SPACE STATION HAS

125

00:07:35,188 --> 00:07:35,888

BEEN COMPLETE.

126

00:07:35,955 --> 00:07:38,090

ALL 16 BOLTS WERE DRIVEN AND

127

00:07:38,157 --> 00:07:41,327

COMPLETED AT 6:15AM CENTRAL TIME

128

00:07:41,394 --> 00:07:43,696

TODAY WHILE THE INTERNATIONAL

129

00:07:43,763 --> 00:07:47,033

SPACE STATION WAS 252 STATUTE