



1
00:00:14,950 --> 00:00:11,910
and all the control teams around the

2
00:00:17,830 --> 00:00:14,960
world have conferred and agreed upon a

3
00:00:19,429 --> 00:00:17,840
go for final approach and docking of

4
00:00:21,510 --> 00:00:19,439
johannes kepler

5
00:00:25,429 --> 00:00:21,520
automated transfer vehicle two with the

6
00:00:41,750 --> 00:00:28,070
rangers zero dark phenomenon

7
00:01:11,510 --> 00:00:54,950
is

8
00:01:16,390 --> 00:01:14,070
about the transition to the monitor

9
00:01:17,990 --> 00:01:16,400
involved for degree

10
00:01:20,070 --> 00:01:18,000
uh

11
00:01:21,749 --> 00:01:20,080
target corridor

12
00:01:24,789 --> 00:01:21,759
and also

13
00:01:24,799 --> 00:01:32,310

seven

14

00:01:32,320 --> 00:01:35,590

0.4

15

00:01:40,469 --> 00:01:37,270

that discussion about the chop command

16

00:01:42,230 --> 00:01:40,479

refers to the crew hands off position

17

00:01:43,590 --> 00:01:42,240

that is the point at which the crew will

18

00:01:45,429 --> 00:01:43,600

have to take their hands off of the

19

00:01:47,590 --> 00:01:45,439

manual controls that they up to this

20

00:01:49,510 --> 00:01:47,600

point could still use to dock the atv if

21

00:01:51,030 --> 00:01:49,520

needed

22

00:01:52,630 --> 00:01:51,040

but the automated docking systems are

23

00:01:54,630 --> 00:01:52,640

all working well as we're approaching a

24

00:02:05,749 --> 00:01:54,640

docking and just about two and a half

25

00:02:05,759 --> 00:02:10,790

five meters 0.7 target nominal

26

00:02:17,910 --> 00:02:12,229

five meters out

27

00:02:17,920 --> 00:02:49,190

61 meters 0.6 is nominal

28

00:02:52,630 --> 00:02:50,949

johannes kepler approaching the aft

29

00:02:56,150 --> 00:02:52,640

docking port it says the service module

30

00:02:58,309 --> 00:02:56,160

about half a meter per second

31

00:03:00,070 --> 00:02:58,319

you can see the docking target clearly

32

00:03:08,710 --> 00:03:00,080

in view and these camera views which

33

00:03:12,630 --> 00:03:10,550

and the chop command has been issued

34

00:03:14,790 --> 00:03:12,640

means that crews hands off now from its

35

00:03:25,910 --> 00:03:14,800

controls and the automated systems are

36

00:03:40,390 --> 00:03:28,470

uh are you ready with the iss support

37

00:03:47,030 --> 00:03:44,070

and at 9 59 a.m central time the probe

38

00:03:48,869 --> 00:03:47,040

and cone docking system connecting the

39

00:03:50,789 --> 00:03:48,879

johannes kepler automated transfer

40

00:03:52,789 --> 00:03:50,799

vehicle to the aft docking port of the

41

00:04:03,429 --> 00:03:52,799

zvezda service module

42

00:04:09,830 --> 00:04:05,990

just southwest of uh the liberian coast

43

00:04:14,550 --> 00:04:12,149

and now the russian solar waste for the

44

00:04:16,629 --> 00:04:14,560

service module seen slewing here as they

45

00:04:18,390 --> 00:04:16,639

begin to track the sun again they had

46

00:04:20,949 --> 00:04:18,400

been paused

47

00:04:24,950 --> 00:04:20,959

to provide the best possible views of

48

00:04:28,550 --> 00:04:26,710

so a successful docking of johannes

49

00:04:29,830 --> 00:04:28,560

kepler the second automated transfer

50

00:04:31,830 --> 00:04:29,840

vehicle to

51
00:04:35,270 --> 00:04:31,840
provide deliveries to the international

52
00:04:40,150 --> 00:04:37,350
a key contribution of the european space

53
00:04:42,950 --> 00:04:40,160
agency to this international partnership

54
00:04:45,350 --> 00:04:42,960
that has seen the space station grow to

55
00:04:48,390 --> 00:04:45,360
the size of a five-bedroom home with a

56
00:04:51,030 --> 00:04:48,400
full gym and a bay window