



1
00:00:15,110 --> 00:00:13,509
from 200 feet the hubble space telescope

2
00:00:18,790 --> 00:00:15,120
first time

3
00:00:20,870 --> 00:00:18,800
it's been seen since uh march 2002 the

4
00:00:23,349 --> 00:00:20,880
most recent servicing mission

5
00:00:25,509 --> 00:00:23,359
atlantis essentially station keeping

6
00:00:28,390 --> 00:00:25,519
while the final command sequence being

7
00:00:52,910 --> 00:00:28,400
completed before moving in for the

8
00:00:57,830 --> 00:00:56,389
137 feet from the telescope essentially

9
00:00:59,750 --> 00:00:57,840
in the

10
00:01:03,349 --> 00:00:59,760
inertial hold

11
00:01:06,469 --> 00:01:03,359
that is the point where the crew will

12
00:01:08,550 --> 00:01:06,479
fly out the yaw or change the yaw of the

13
00:01:10,950 --> 00:01:08,560

shuttle rotate the shuttle essentially

14

00:01:15,030 --> 00:01:10,960

about its axis to align properly with

15

00:01:21,350 --> 00:01:17,910

350 miles above the indian ocean

16

00:01:22,950 --> 00:01:21,360

atlantis with the robotic arm in the

17

00:01:25,670 --> 00:01:22,960

in view

18

00:01:28,070 --> 00:01:25,680

closing in on the hubble space telescope

19

00:01:30,069 --> 00:01:28,080

directly underneath the telescope now

20

00:01:33,830 --> 00:01:30,079

that the two vehicles are in the proper

21

00:01:36,550 --> 00:01:35,670

inside 100 feet

22

00:01:55,510 --> 00:01:36,560

to

23

00:01:57,350 --> 00:01:55,520

view uh seen through one of the closed

24

00:01:58,950 --> 00:01:57,360

circuit televisions

25

00:02:31,910 --> 00:01:58,960

up on the flight deck

26

00:02:31,920 --> 00:02:41,190

and the grapple fixture now in view

27

00:02:46,150 --> 00:02:43,509

mega macarthur now

28

00:02:48,869 --> 00:02:46,160

repositioning the shuttle's robotic arm

29

00:03:02,630 --> 00:02:48,879

to align with the grapple fixture on the

30

00:03:07,190 --> 00:03:05,430

and megan macarthur moving in for the

31

00:03:10,630 --> 00:03:07,200

final

32

00:03:14,390 --> 00:03:10,640

a few feet for grapple of hubble for the

33

00:03:17,270 --> 00:03:14,400

first time since its deploy

34

00:03:35,750 --> 00:03:17,280

following sts-109 back in march two

35

00:03:40,390 --> 00:03:37,350

houston atlantis