



1  
00:00:06,309 --> 00:00:03,830  
houston station atlantis on the big loop

2  
00:00:07,190 --> 00:00:06,319  
initiating rpm in three

3  
00:00:08,230 --> 00:00:07,200  
two

4  
00:00:10,070 --> 00:00:08,240  
one

5  
00:00:11,509 --> 00:00:10,080  
mark

6  
00:00:18,070 --> 00:00:11,519  
wake up

7  
00:00:21,990 --> 00:00:20,150  
with that commander chris ferguson now

8  
00:00:24,150 --> 00:00:22,000  
we'll begin the slow

9  
00:00:26,870 --> 00:00:24,160  
three-quarter of a degree per second

10  
00:00:30,070 --> 00:00:26,880  
rotational backflip this again is about

11  
00:00:31,349 --> 00:00:30,080  
a nine minute maneuver

12  
00:00:35,030 --> 00:00:31,359  
hear

13  
00:00:36,709 --> 00:00:35,040

the start photography call initiated

14

00:00:39,830 --> 00:00:36,719

when the orbiter is in the correct

15

00:00:42,069 --> 00:00:39,840

orientation of this procedure the actual

16

00:00:45,029 --> 00:00:42,079

r bar pitch maneuver will last about

17

00:00:47,670 --> 00:00:45,039

nine minutes in duration about 93

18

00:00:50,069 --> 00:00:47,680

seconds of available photography for

19

00:01:58,149 --> 00:00:50,079

sergey volkov mike fossum and satoshi

20

00:02:03,270 --> 00:02:00,630

poetry in motion as atlantis

21

00:02:49,430 --> 00:02:03,280

conducts the final r bar pitch maneuver

22

00:02:53,030 --> 00:02:51,830

and it's using paragraph two no response

23

00:03:04,470 --> 00:02:53,040

required

24

00:03:07,910 --> 00:03:05,990

vanessa's narrow ground two to complete

25

00:03:10,550 --> 00:03:07,920

what i was saying last step of airlines

26

00:03:17,110 --> 00:03:10,560

airlock fan act number 11 is an action

27

00:03:21,190 --> 00:03:18,790

last step is an action not a verify

28

00:03:29,430 --> 00:03:23,750

station atlantis on the big loop start

29

00:03:29,440 --> 00:03:32,949

starting photos

30

00:03:37,030 --> 00:03:35,430

and with that uh a period of about 93

31

00:03:40,149 --> 00:03:37,040

seconds of uh

32

00:03:44,949 --> 00:03:42,710

now initiated for sergey volkov mike

33

00:03:47,030 --> 00:03:44,959

fossum and satoshi furukawa

34

00:05:09,430 --> 00:03:47,040

using digital cameras and high-powered

35

00:05:13,830 --> 00:05:11,350

and with that the

36

00:05:15,510 --> 00:05:13,840

digital imagery comes to an end

37

00:05:17,670 --> 00:05:15,520

hundreds of photos were snapped during

38

00:05:21,350 --> 00:05:17,680

this 90-second period of available

39

00:05:25,590 --> 00:05:23,510

like no other vehicle can the space

40

00:06:33,189 --> 00:05:25,600

shuttle completing its r bar pitch

41

00:07:16,550 --> 00:06:35,510

passing over the north atlantic atlantis

42

00:07:16,560 --> 00:08:17,589

mcc mascots

43

00:08:21,430 --> 00:08:19,430

the rendezvous officer

44

00:08:23,670 --> 00:08:21,440

indicates to flight director quatziala