



1
00:00:00,110 --> 00:00:05,100
Music

2
00:00:05,120 --> 00:00:10,110
We've been together for, I'd say, about two years

3
00:00:10,130 --> 00:00:15,130
so much time has gone by we're actually going to get to our first, what I would call, truly complex robotic operation

4
00:00:15,150 --> 00:00:20,150
Nats: Change the display from to RM TP One grasp

5
00:00:20,170 --> 00:00:25,160
So we're actually going to use the arm of the robot to acquire 3 of the tools that are installed in our payload

6
00:00:25,180 --> 00:00:30,360
Grab those tools, and actually interface with payload like cutting wire, releasing launch locks.

7
00:00:30,380 --> 00:00:35,370
And these are tasks that the on orbit robot, named Dextre, has never done before

8
00:00:35,390 --> 00:00:40,400
So as Dextre is performing tasks on orbit, we'll be following along with the robot. There's four live

9
00:00:40,420 --> 00:00:45,410
high definition videos coming down from Space Station, we'll be watching those views to see what the robot's doing

10
00:00:45,430 --> 00:00:50,430
Watching the data from the robot, telling us what the robot is actually doing, how it's moving, how fast it's moving

11
00:00:50,450 --> 00:00:55,470
So if there are issues on the Space Station, our robot here can demonstrate ways to solve

12
00:00:55,490 --> 00:00:57,980
the problem that they run into on space.

13
00:00:57,990 --> 00:01:00,480

As the robot flies in orbit, the teams have their headsets on.

14

00:01:00,500 --> 00:01:05,500

They're listening, ok what's going on? We're on procedure one. We're going to pull the tool out of the stowage b

15

00:01:05,520 --> 00:01:10,510

Is everybody ready? We get goes from everyone. We get goes from the electrical team. We're go for operation

16

00:01:10,530 --> 00:01:15,530

looks good, mechanical are you good, tools are you good, robotics are you good? Then we go into the operati

17

00:01:15,550 --> 00:01:18,060

NATS: Copy you guys are getting to step 59.2.

18

00:01:18,080 --> 00:01:20,590

I tell them here, guys be watching, be watching

19

00:01:20,610 --> 00:01:25,610

when these cameras views come down, because you really only have a small window to say 'break break, stop

20

00:01:25,630 --> 00:01:28,120

because they're going to move right on to the next step.

21

00:01:28,140 --> 00:01:30,630

Our robot operators can talk to the Johnson and Canadian Space Agency

22

00:01:33,160 --> 00:01:33,189

robot operators to tell them to maybe troubleshoot or do the tasks.

23

00:01:33,190 --> 00:01:35,680

NATS Thanks command. Affirmative.

24

00:01:35,700 --> 00:01:38,270

Sequence 508Q.

25

00:01:38,300 --> 00:01:40,870

We're going to see, this week for the very first time

26

00:01:40,890 --> 00:01:43,390

how successful we can be.

27

00:01:43,410 --> 00:01:45,910

This is only the first of, hopefully, many operations demonstrating robots can service satellites

28

00:01:45,930 --> 00:01:50,940

on the Space Station. We're really just scrapping the surface of what RRM can do. Probably every couple of m

29

00:01:50,960 --> 00:01:55,960

you're going to start seeing RRM stuff. We'll do gas transfer tasks, we'll do refueling

30

00:01:55,980 --> 00:02:01,150

and then we have other little busy board tasks like releasing torx set screws. And that will take us to the end of

31

00:02:01,170 --> 00:02:06,160

all the objectives on this first phase of RRM.