



1
00:00:03,750 --> 00:00:02,950
we're at nasa's jet propulsion

2
00:00:06,309 --> 00:00:03,760
laboratory

3
00:00:06,950 --> 00:00:06,319
in the spacecraft assembly facility this

4
00:00:10,310 --> 00:00:06,960
is where

5
00:00:11,030 --> 00:00:10,320
we build assemble and test major

6
00:00:18,630 --> 00:00:11,040
elements

7
00:00:24,310 --> 00:00:21,670
we will be measuring from space um

8
00:00:25,109 --> 00:00:24,320
the height of the oceans lakes rivers

9
00:00:27,589 --> 00:00:25,119
reservoirs

10
00:00:29,269 --> 00:00:27,599
all across the earth we really want to

11
00:00:32,150 --> 00:00:29,279
understand how much there is where it's

12
00:00:34,389 --> 00:00:32,160
coming from and where it's going

13
00:00:35,510 --> 00:00:34,399

this is a key milestone because it's

14

00:00:38,630 --> 00:00:35,520

built up now

15

00:00:41,750 --> 00:00:38,640

ready to start its journey to france to

16

00:00:43,590 --> 00:00:41,760

the next and last phase of the

17

00:00:45,750 --> 00:00:43,600

satellite development which is putting

18

00:00:47,110 --> 00:00:45,760

it all together and preparing for launch

19

00:00:59,349 --> 00:00:47,120

which we're expecting

20

00:01:02,310 --> 00:00:59,359

will happen at the end of next year

21

00:01:04,630 --> 00:01:02,320

swat is a international collaboration

22

00:01:07,190 --> 00:01:04,640

that's a partnership between nasa

23

00:01:08,870 --> 00:01:07,200

and the french space agency but we have

24

00:01:10,950 --> 00:01:08,880

additional collaborations

25

00:01:12,630 --> 00:01:10,960

with the canadian space agency and the

26

00:01:14,789 --> 00:01:12,640

uk space agency

27

00:01:16,149 --> 00:01:14,799

we have scientists and engineers all

28

00:01:18,550 --> 00:01:16,159

throughout the world

29

00:01:19,670 --> 00:01:18,560

and we are inviting all of those global

30

00:01:23,270 --> 00:01:19,680

collaborators

31

00:01:25,749 --> 00:01:23,280

to help us succeed earth science is a

32

00:01:27,830 --> 00:01:25,759

key part of of the work we're doing here

33

00:01:29,030 --> 00:01:27,840

in the same facility we have two major

34

00:01:32,149 --> 00:01:29,040

missions going

35

00:01:46,630 --> 00:01:32,159

between swat and also nysar

36

00:01:50,469 --> 00:01:49,109

there are lots of other smaller earth

37

00:01:53,990 --> 00:01:50,479

science missions also

38

00:01:56,310 --> 00:01:54,000

active right now maya pre-fire

39

00:01:57,749 --> 00:01:56,320

emit now we're expecting that we're

40

00:02:00,950 --> 00:01:57,759

going to be able to provide

41

00:02:07,950 --> 00:02:00,960

a lot of information in this

42

00:02:18,070 --> 00:02:07,960

coming decade that just didn't exist