



1  
00:00:04,789 --> 00:00:03,270  
all stations spacecraft engineer looking

2  
00:00:12,950 --> 00:00:04,799  
at the site of heap data it looks like

3  
00:00:25,830 --> 00:00:15,350  
and dust flex is also registering

4  
00:00:29,109 --> 00:00:27,509  
and i'll station stardust attitude at

5  
00:00:39,910 --> 00:00:29,119  
this time

6  
00:00:42,389 --> 00:00:40,950  
start the systems that you see

7  
00:00:43,430 --> 00:00:42,399  
indication we're back an encounter

8  
00:00:45,110 --> 00:00:43,440  
absolutely

9  
00:00:46,950 --> 00:00:45,120  
copy that and at this time i can verify

10  
00:00:49,430 --> 00:00:46,960  
the post encounter block has started we

11  
00:01:00,150 --> 00:00:49,440  
have 122 images so we've collected all

12  
00:01:03,670 --> 00:01:02,389  
so you just heard that we made it back

13  
00:01:05,509 --> 00:01:03,680

and um

14

00:01:07,030 --> 00:01:05,519

everything is going well and they

15

00:01:08,469 --> 00:01:07,040

captured all the images that they wanted

16

00:01:14,630 --> 00:01:08,479

to and later tonight we'll actually get

17

00:01:17,830 --> 00:01:16,710

we know that every time a comet comes

18

00:01:20,390 --> 00:01:17,840

close to the sun

19

00:01:22,310 --> 00:01:20,400

it loses a lot of material it heats up

20

00:01:24,710 --> 00:01:22,320

ices evaporate

21

00:01:27,350 --> 00:01:24,720

but we don't know where

22

00:01:29,190 --> 00:01:27,360

those changes on the comet occur

23

00:01:31,190 --> 00:01:29,200

and why is that important well we want

24

00:01:32,950 --> 00:01:31,200

to understand how comets work because

25

00:01:35,350 --> 00:01:32,960

there are parts of the surface that are

26  
00:01:37,270 --> 00:01:35,360  
very old parts that are very very young

27  
00:01:39,190 --> 00:01:37,280  
because they change and we can't tell

28  
00:01:42,469 --> 00:01:39,200  
them apart

29  
00:01:45,109 --> 00:01:42,479  
uh later on uh in the future when we go

30  
00:01:48,069 --> 00:01:45,119  
to a service or comet to bring back

31  
00:01:49,670 --> 00:01:48,079  
materials we want to be able to figure

32  
00:01:51,350 --> 00:01:49,680  
out whether we're sampling something

33  
00:01:53,190 --> 00:01:51,360  
that's you know very very ancient or

34  
00:01:54,950 --> 00:01:53,200  
something that's been changing recently

35  
00:01:57,670 --> 00:01:54,960  
so we have to understand

36  
00:01:59,590 --> 00:01:57,680  
how and where comet surfaces change when

37  
00:02:01,749 --> 00:01:59,600  
isis sublimate this is our first chance

38  
00:02:04,950 --> 00:02:01,759

to do that we'll have you know before

39

00:02:06,149 --> 00:02:04,960

and after yeah and uh then we will have

40

00:02:07,749 --> 00:02:06,159

to figure out

41

00:02:10,150 --> 00:02:07,759

what it tells us and make some

42

00:02:12,070 --> 00:02:10,160

calculations and figure out you know

43

00:02:13,750 --> 00:02:12,080

what the processes are how fast they