



1
00:00:00,784 --> 00:00:05,384
[music]

2
00:00:05,384 --> 00:00:08,604
[elephant door opening]

3
00:00:12,663 --> 00:00:15,532
>>Welcome to the mission brief
for Flight 204.

4
00:00:15,532 --> 00:00:19,770
>>We are trying to look at
certain far infrared lines here,

5
00:00:19,770 --> 00:00:24,808
so, it's a c+ line, and one at
57 microns, and 8803.

6
00:00:24,808 --> 00:00:29,800
[music]

7
00:00:45,512 --> 00:00:55,500
[SOFIA taking off]

8
00:01:07,217 --> 00:01:12,839
[radio chatter]

9
00:01:12,839 --> 00:01:14,474
>>All right, it looks like we're
on heading.

10
00:01:14,474 --> 00:01:17,261
>>First thing that they setup
on, or the first object would be

11
00:01:17,261 --> 00:01:20,681
a bright star to check focus and
positioning, and so on.

12
00:01:20,681 --> 00:01:25,302
[music]

13
00:01:25,302 --> 00:01:29,740
>>This shows, at very high
magnification in time and in

14
00:01:29,740 --> 00:01:32,643
space, the shaking of the
telescope.

15
00:01:32,643 --> 00:01:35,746
>>SOFIA is one of the most
interesting projects I've ever

16
00:01:35,746 --> 00:01:40,767
seen and SOFIA has many
possibilities to catch the

17
00:01:40,767 --> 00:01:43,247
interest of students.

18
00:01:43,247 --> 00:01:47,374
[scientist speaking in German]

19
00:01:47,374 --> 00:01:49,676
>>It's nice to share
what we do with educators

20
00:01:49,676 --> 00:01:52,579
onboard SOFIA, with people who
will take it back to students,

21
00:01:52,579 --> 00:01:56,439
and hopefully inspire them to go into
science, and technology,

22
00:01:56,440 --> 00:01:58,060
and engineering.

23

00:01:58,060 --> 00:02:00,360

[scientist speaking in German]

24

00:02:00,360 --> 00:02:07,080

>>It's really nice to have German teachers involved in this program because we do have different educational

25

00:02:07,080 --> 00:02:10,600

systems, and we come from a different background and culture,

26

00:02:10,600 --> 00:02:13,940

and being able to share that just enhances everything that you do,

27

00:02:13,940 --> 00:02:16,300

it allows you to see things through a different lens.

28

00:02:16,300 --> 00:02:20,073

>>I'm very happy to be here.

29

00:02:20,073 --> 00:02:23,377

I think it's a great opportunity

to learn more about the

30

00:02:23,377 --> 00:02:24,745

scientific business.

31

00:02:24,745 --> 00:02:26,096

[scientist speaking in German]

32

00:02:26,096 --> 00:02:31,668

>>It's totally new for me and I

hope that many teachers will

33

00:02:31,668 --> 00:02:37,708

have the same chance as me, and

can do the same things as me.