



1  
00:00:02,260 --> 00:00:07,140  
[ Music ]

2  
00:00:21,860 --> 00:00:29,280  
[ Jet taking off ]

3  
00:00:35,969 --> 00:00:43,349  
>>SOFIA is, for me, a possibility to make very  
interesting and very useful observations in

4  
00:00:43,849 --> 00:00:44,840  
the infrared.

5  
00:00:44,840 --> 00:00:49,580  
[ Speaking in German ]

6  
00:00:49,589 --> 00:00:55,929  
>>Astronomy needs infrared observations because  
in infrared you see all these exciting objects

7  
00:00:55,929 --> 00:01:03,460  
like young stars, planets which are forming,  
centers of galaxies, for example, and I think

8  
00:01:03,460 --> 00:01:10,380  
it's very important to make those observations  
in a way like SOFIA that means you can repeat,

9  
00:01:10,380 --> 00:01:16,420  
you can repair your instruments, and start  
every day again with new ideas.

10  
00:01:16,420 --> 00:01:20,160  
>>Is it interesting to fly a plane like SOFIA?

11  
00:01:20,160 --> 00:01:26,660  
>>Yeah, it is interesting knowing that you're  
just part of the science team getting the

12

00:01:26,670 --> 00:01:28,020

science.

13

00:01:28,020 --> 00:01:33,050

We have our challenges up here just like everyone on the airplane does, to help put the airplane

14

00:01:33,050 --> 00:01:38,320

in the right place at the right time, so the telescope is getting what the scientists want

15

00:01:38,320 --> 00:01:39,320

to get.

16

00:01:39,320 --> 00:01:43,479

>>Last night, I learned a lot about SOFIA.

17

00:01:43,479 --> 00:01:48,460

It's my second flight tonight and I'm getting better and better at understanding the whole

18

00:01:48,460 --> 00:01:49,880

SOFIA project.

19

00:01:49,880 --> 00:01:56,350

Now we are mapping the horse head nebula, and it's very interesting to see the techniques

20

00:01:56,350 --> 00:02:00,990

and astronomers, to see how they work together.

21

00:02:00,990 --> 00:02:05,140

[ Background noise ]

22

00:02:05,140 --> 00:02:07,049

>>I will bring it back to the students.

23

00:02:07,049 --> 00:02:11,390

This stuff is so complicated and really difficult, even for the older students I have.

24

00:02:11,390 --> 00:02:19,360

I will try to find some game, maybe, what they are measuring right now, the mapping

25

00:02:19,360 --> 00:02:25,970

of this Orion molecular cloud, as an example of the physics they are doing here.

26

00:02:27,220 --> 00:02:32,680

I think the teamwork, which I experienced during my time here at SOFIA, there are so

27

00:02:32,680 --> 00:02:37,090

many people from different countries which work together here, without any problem, that

28

00:02:37,090 --> 00:02:43,790

would be an aspect I could maybe transfer to the sports classes too.

29

00:02:43,790 --> 00:02:49,060

[ Music ]

30

00:02:49,060 --> 00:02:53,220

>>I will tell my students that there's very good teamwork here, a lot of professional