



1  
00:00:02,046 --> 00:00:04,706  
>> I am in charge of  
characterizing the icing cloud

2  
00:00:05,146 --> 00:00:08,516  
in NASA's two icing  
capable facilities.

3  
00:00:09,116 --> 00:00:11,056  
One is the icing research tunnel

4  
00:00:11,056 --> 00:00:14,736  
where we study super-cooled  
liquid hitting airframes,

5  
00:00:14,736 --> 00:00:17,156  
and the other one is the  
propulsion systems lab

6  
00:00:17,406 --> 00:00:19,136  
where we study ice  
crystals going

7  
00:00:19,136 --> 00:00:21,186  
into an engine at altitude.

8  
00:00:21,376 --> 00:00:24,476  
One of the things I really enjoy  
about my job is getting to work

9  
00:00:24,546 --> 00:00:25,936  
with all the brilliant minds.

10  
00:00:26,246 --> 00:00:28,736  
These are really complex  
problems that we're trying

11  
00:00:28,736 --> 00:00:30,966  
to solve, so we need lots

bright people from lots

12

00:00:30,966 --> 00:00:32,096  
of different disciplines.

13

00:00:32,566 --> 00:00:35,666  
At the propulsions system lab,  
I was one of the first humans

14

00:00:35,746 --> 00:00:38,266  
to witness what happens  
when ice crystals get sucked

15

00:00:38,266 --> 00:00:39,896  
into the core of a jet engine.

16

00:00:40,306 --> 00:00:41,286  
That is totally cool.

17

00:00:41,846 --> 00:00:44,176  
The work I do impacts  
the flying public.

18

00:00:44,436 --> 00:00:46,636  
For both the airframe and  
the engine, we're working

19

00:00:46,636 --> 00:00:48,276  
to make air travel very safe.

20

00:00:48,916 --> 00:00:51,206  
I'd like to be remembered  
hopefully for some

21

00:00:51,206 --> 00:00:53,356  
of the enthusiasm I've  
been able to impart

22

00:00:53,356 --> 00:00:55,616

to the next generation--  
that thirst for knowledge,