



1
00:00:08,050 --> 00:00:04,000

[music]

2
00:00:08,070 --> 00:00:12,110

Narrator: NASA is an agency of explorers.

3
00:00:12,130 --> 00:00:16,120

It looks out into space. It looks back at Earth.

4
00:00:16,140 --> 00:00:20,160

What do penguins have to do with it? Nothing. Nothing at all.

5
00:00:20,180 --> 00:00:24,220

Which is precisely why NASA takes them so seriously.

6
00:00:24,240 --> 00:00:28,250

Here on Operation IceBridge, researchers use a modified

7
00:00:28,270 --> 00:00:32,280

DC-8 to fly low and slow over wide expanses of Antarctic

8
00:00:32,300 --> 00:00:36,330

geography including the coasts.

9
00:00:36,350 --> 00:00:40,370

The goal is to gather data about changing conditions over time. But while

10
00:00:40,390 --> 00:00:44,410

ice research at the bottom of the world requires pluck and fortitude for human

11
00:00:44,430 --> 00:00:48,450

travelers, it's home to these guys. And they're all over the place

12
00:00:48,470 --> 00:00:52,510

at the water's edge. Big airplanes like this one can cause a

13
00:00:52,530 --> 00:00:56,540

ruckus in a rookery. And as far as NASA's concerned, that's

14

00:00:56,560 --> 00:01:00,570

just not cricket. So mission planners take penguin habitats

15

00:01:00,590 --> 00:01:04,610

into account when they design flight plans.

16

00:01:04,630 --> 00:01:08,650

Routes are carefully considered ensuring the plane either steers around penguin

17

00:01:08,670 --> 00:01:12,670

habitats, or passes high overhead so as not to bother anyone.

18

00:01:12,690 --> 00:01:16,690

So yeah, penguins and NASA. They do share

19

00:01:16,710 --> 00:01:20,720

a few things after all. They share the same atmosphere, the same

20

00:01:20,740 --> 00:01:24,740

sun, the same solar system. And more.

21

00:01:24,760 --> 00:01:28,790

That's when we visit there turf, we try to tread lightly. [clapping sound]

22

00:01:28,810 --> 00:01:32,830

Ok we're done. Do you want to go get something to eat?