



1
00:00:00,190 --> 00:00:02,830

This is Earth

2
00:00:02,850 --> 00:00:06,310

and these blue lines show its vast magnetic field.

3
00:00:06,330 --> 00:00:12,410

Our planet is nestled in the center of two immense regions of powerful radiation: the Van Allen belts,

4
00:00:12,430 --> 00:00:17,520

which trap high-energy particles from the sun

5
00:00:17,540 --> 00:00:22,430

- but they can't hang onto all of them.