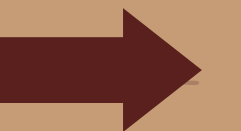
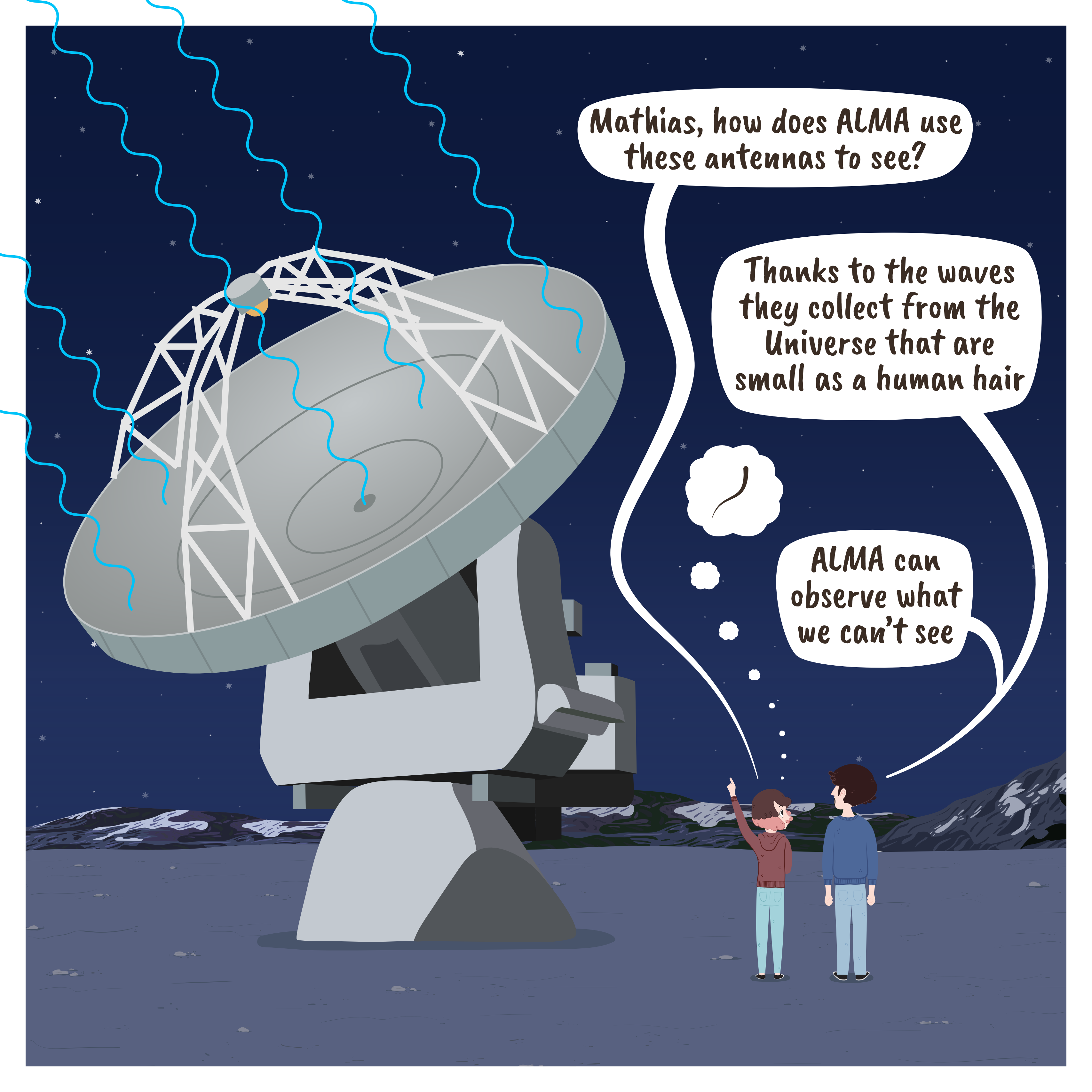


The ADVENTURES — OF — TALMA ALMA

TODAY

HOW DOES ALMA OBSERVE?



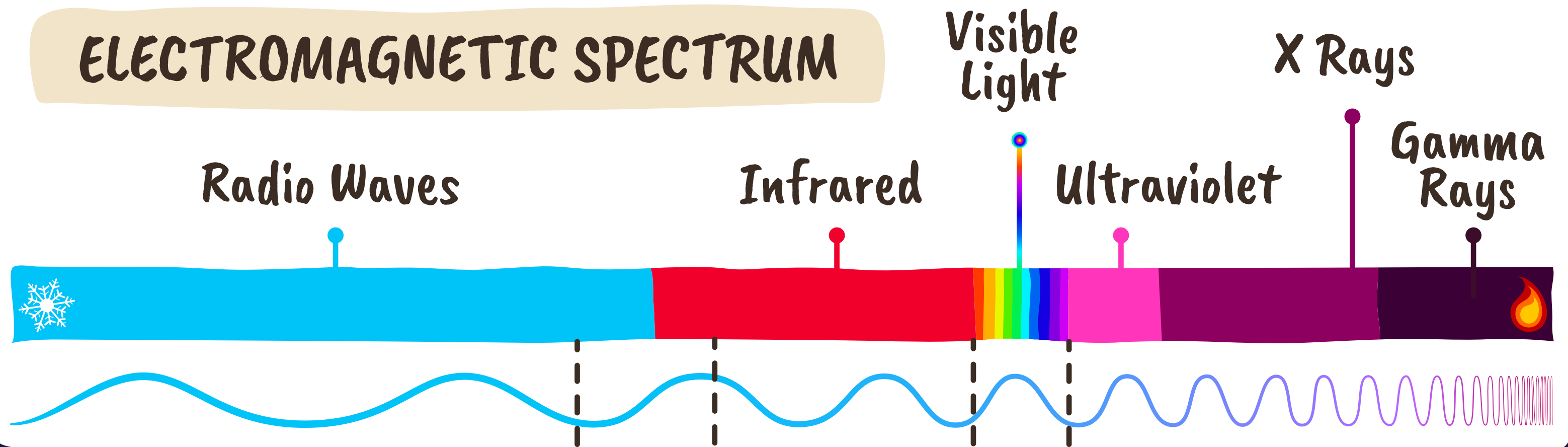


Mathias, how does ALMA use these antennas to see?

Thanks to the waves they collect from the Universe that are small as a human hair

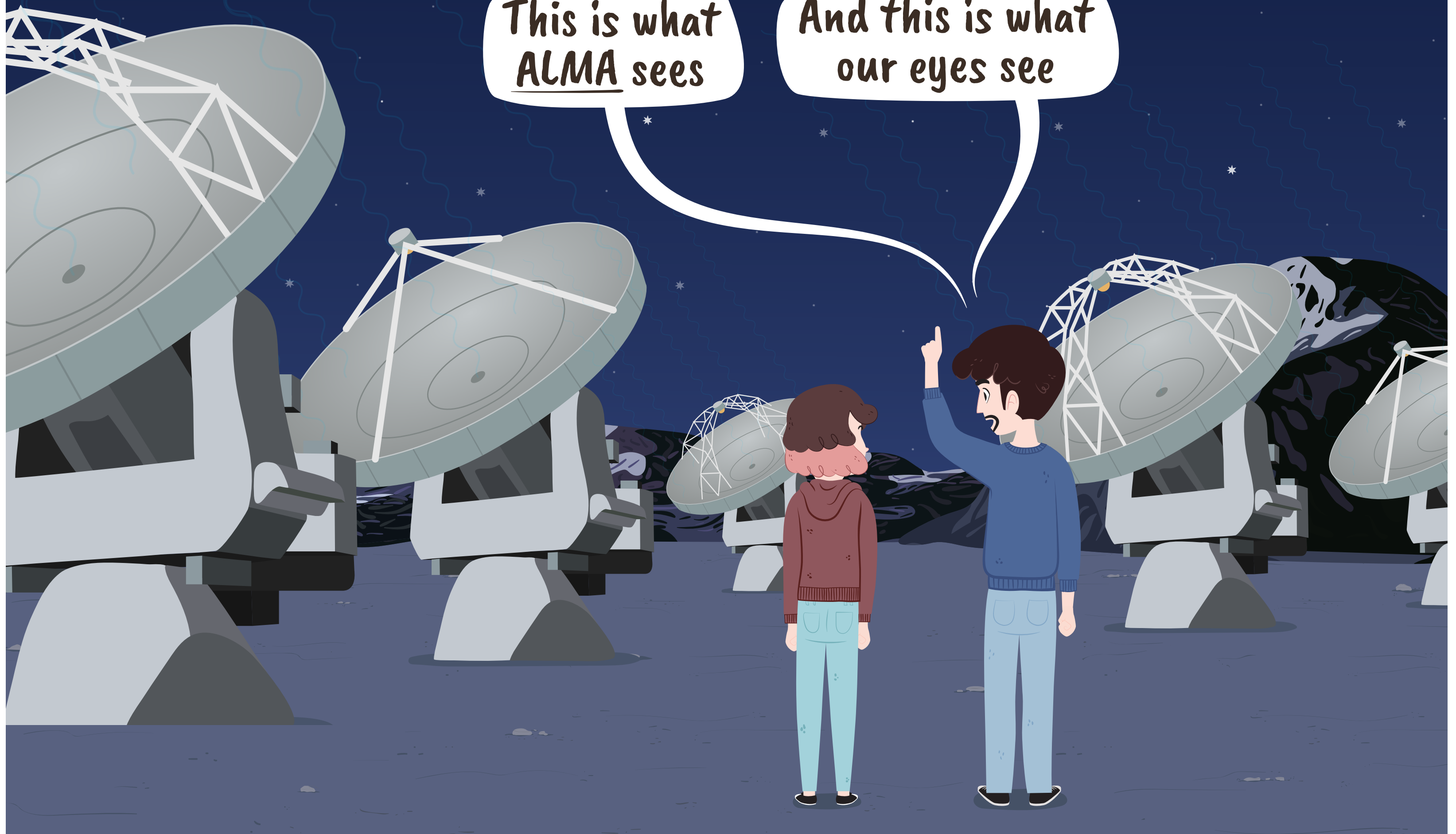
ALMA can observe what we can't see

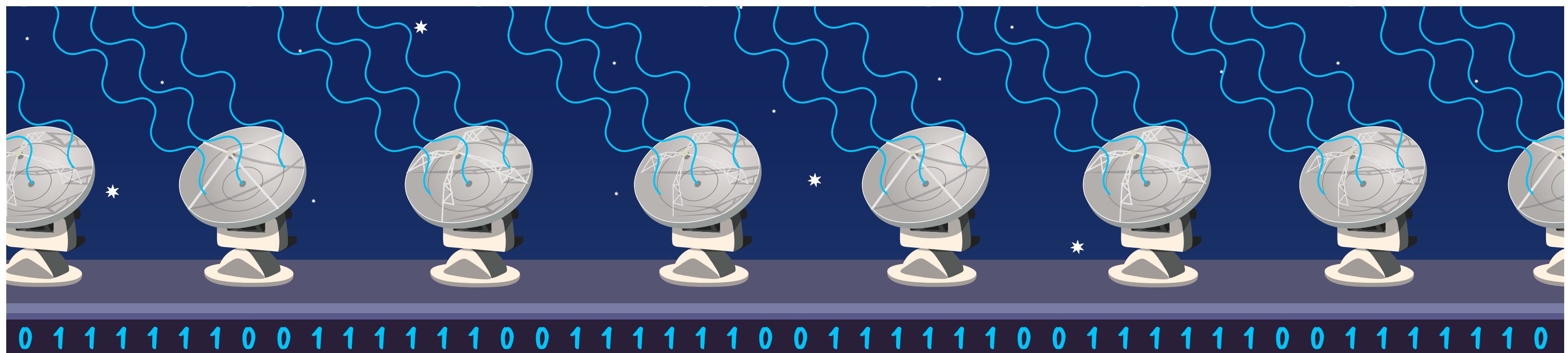
ELECTROMAGNETIC SPECTRUM



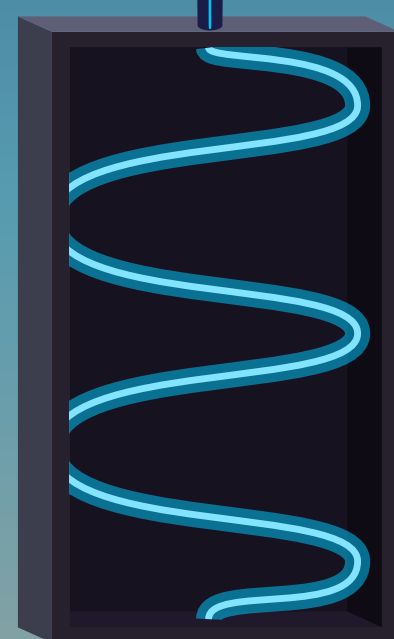
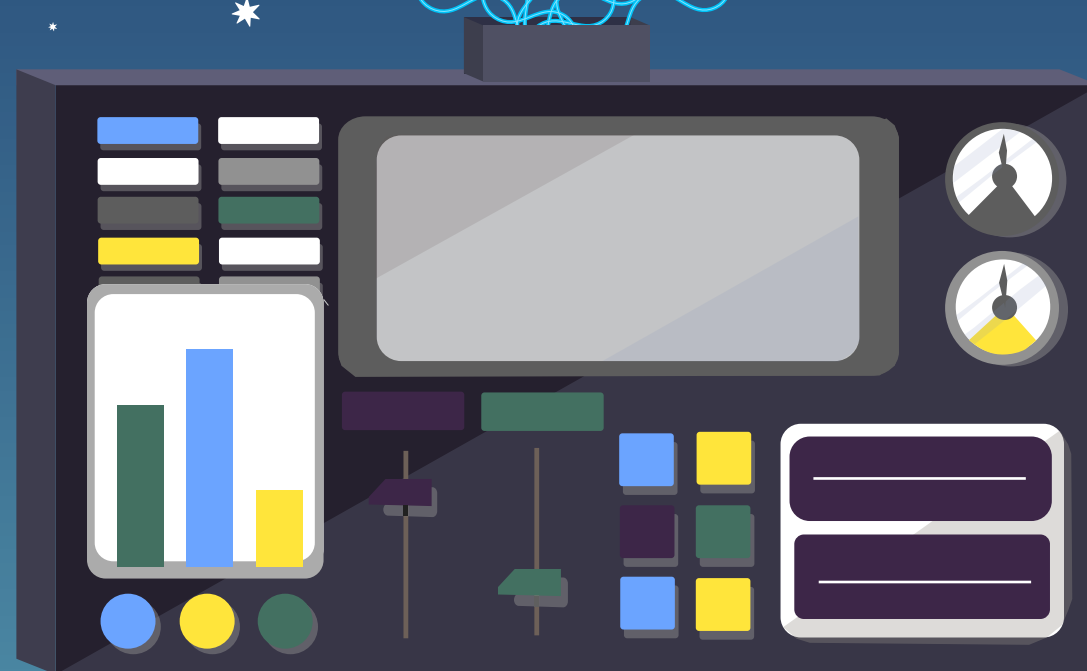
This is what
ALMA sees

And this is what
our eyes see



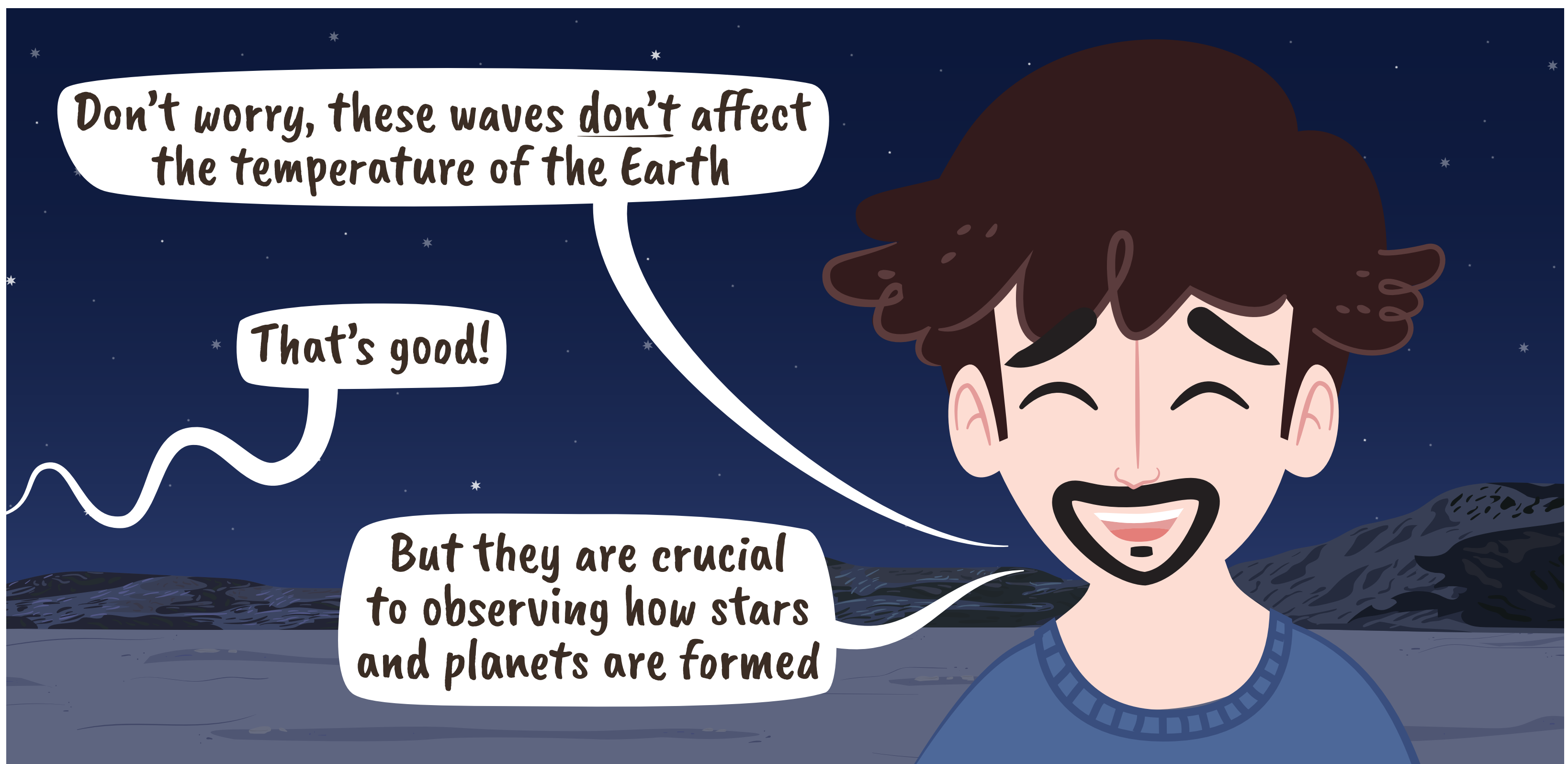


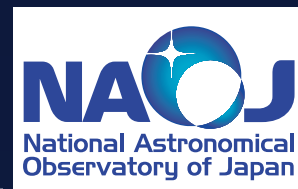
ALMA's 66 antennas capture these waves, digitize them and send them to a supercomputer that unifies them



Wow!

This technique is called **INTERFEROMETRY**





Script
David Fernández

Illustrations
David Fernández and José Pinto

Supervision
José Pinto - Valeria Foncea - Nicolás Lira

This comic is part of David Fernández's undergraduate internship for his degree in Audiovisual Communication, with a mention in Film and TV Scriptwriting, which he is carrying out in the ALMA Observatory Education and Public Outreach Department. Original characters designed by Frannerd.



The End