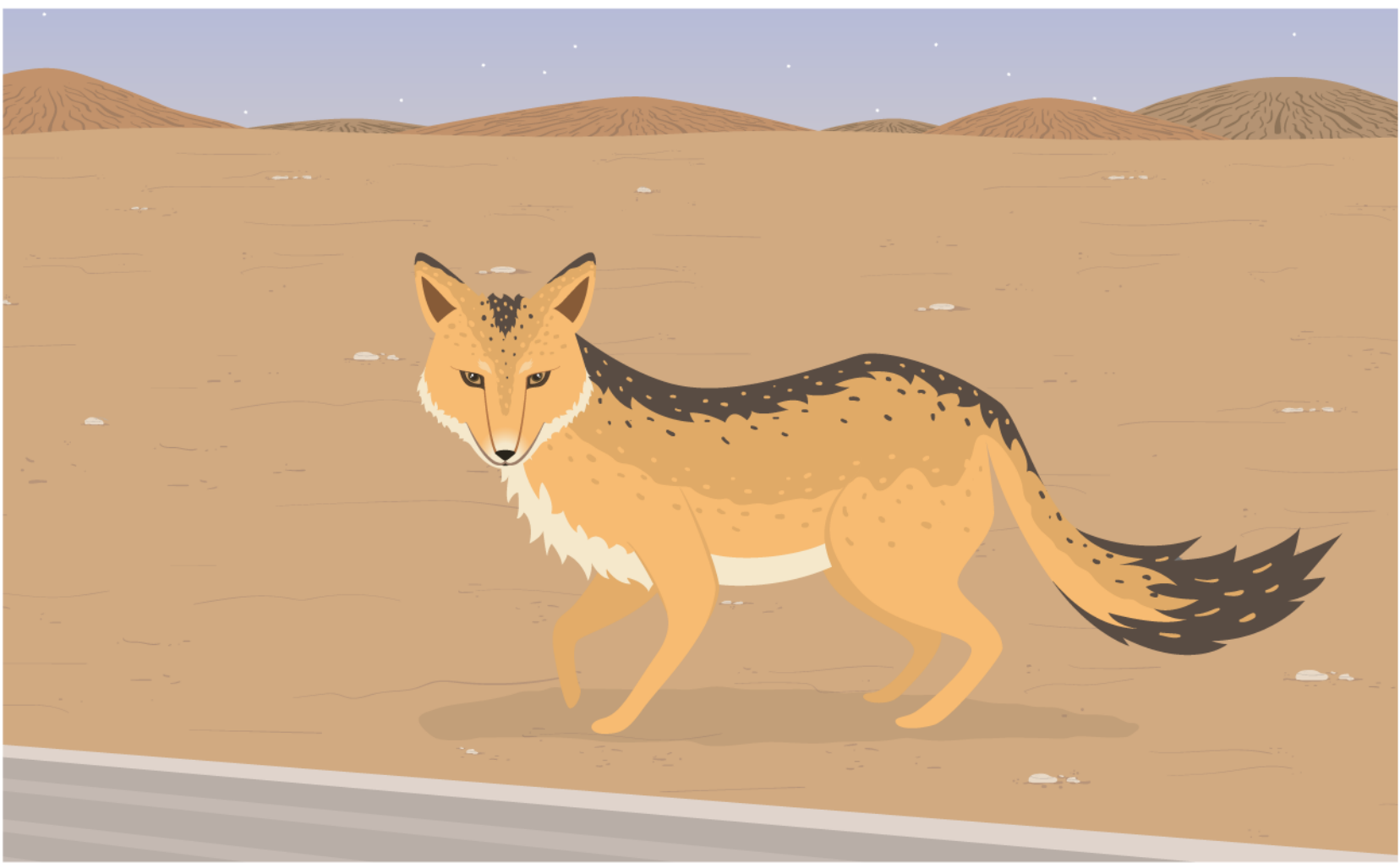


The ADVENTURES — OF — TALMA * ALMA

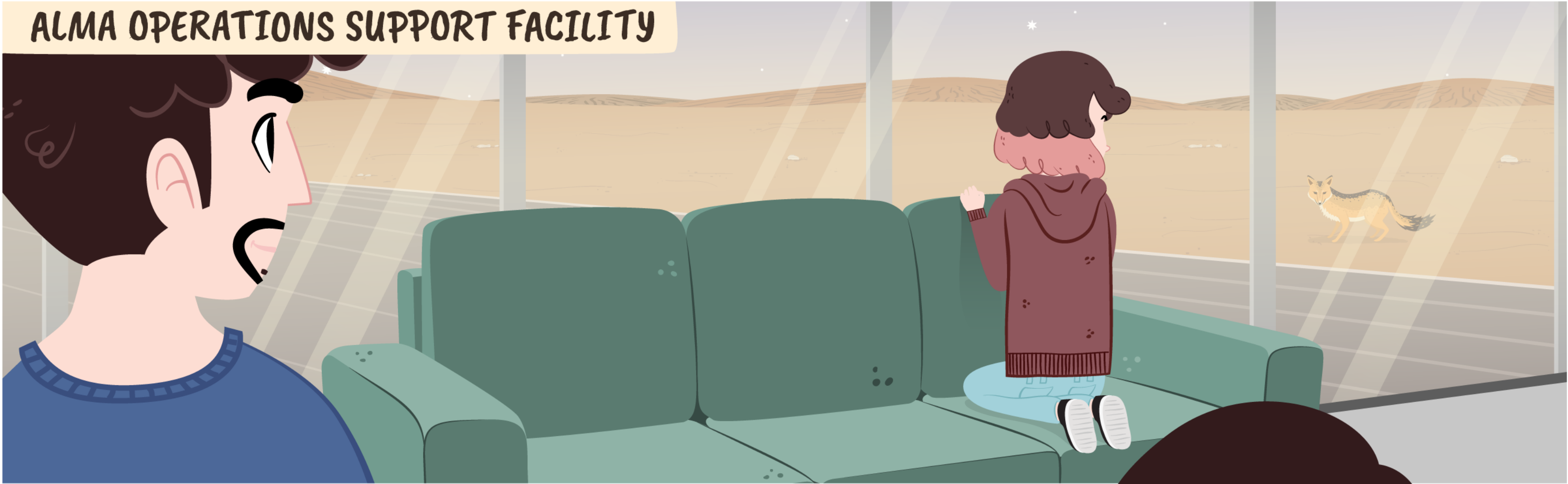
TODAY

"SPYING ON A NEIGHBOR"





ALMA OPERATIONS SUPPORT FACILITY



Galaxies neighboring
the Milky Way

Milky Way

It is important for us to
study how stars formed
outside our galaxy. It helps
us to better understand the
origins of the Universe

ALMA observed areas in
detail where stars form in a
neighboring dwarf galaxy

How could
you see that?

Galaxy NGC 6822

Because ALMA observes the cold Universe, and stars are formed in the coldest, densest areas



Molecules are forged in these gas and dust clouds, just like in our Milky Way. ALMA captures the radiation they emit



If we compare the size of our Milky Way to this neighboring dwarf galaxy, it would be like comparing an adult male to a tiny cat...



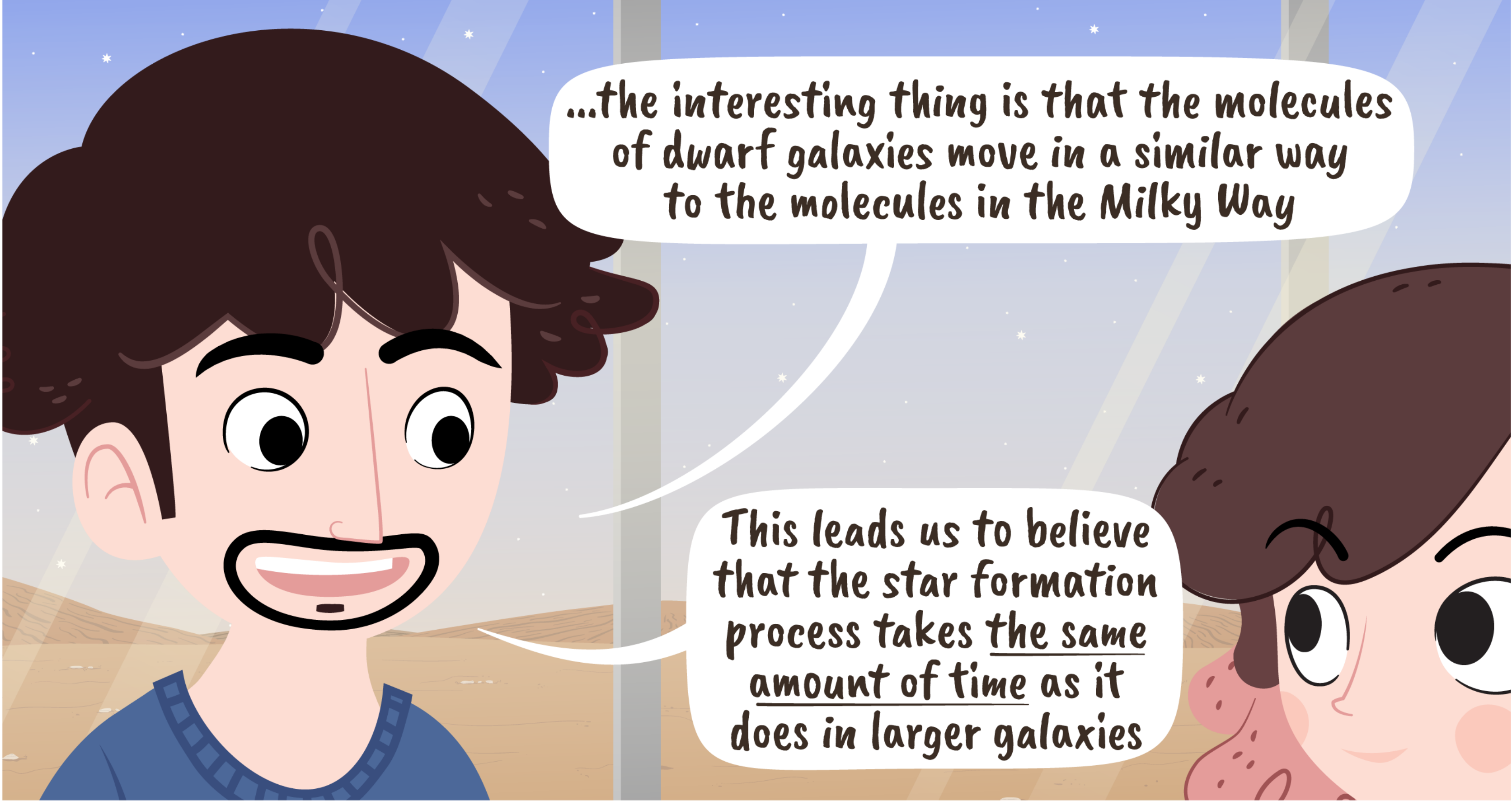
80 kilos

160 grams



Kitty!





...the interesting thing is that the molecules of dwarf galaxies move in a similar way to the molecules in the Milky Way

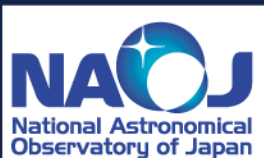
This leads us to believe that the star formation process takes the same amount of time as it does in larger galaxies

Finally, larger galaxies such as the Milky Way were formed by the fusion of small elements such as dwarf galaxies

And if we know how they are formed, we can better understand where we came from

That makes sense!

The End



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