

The ADVENTURES — OF — TALMA ALMA

TODAY

"NEWBORN PLANETS"



SOMEWHERE IN THE ATACAMA DESERT...



Talma,
guess what!



What happened?!





Baby birds were born
and I didn't have a
chance to meet them



They must be
flying with their
mother now

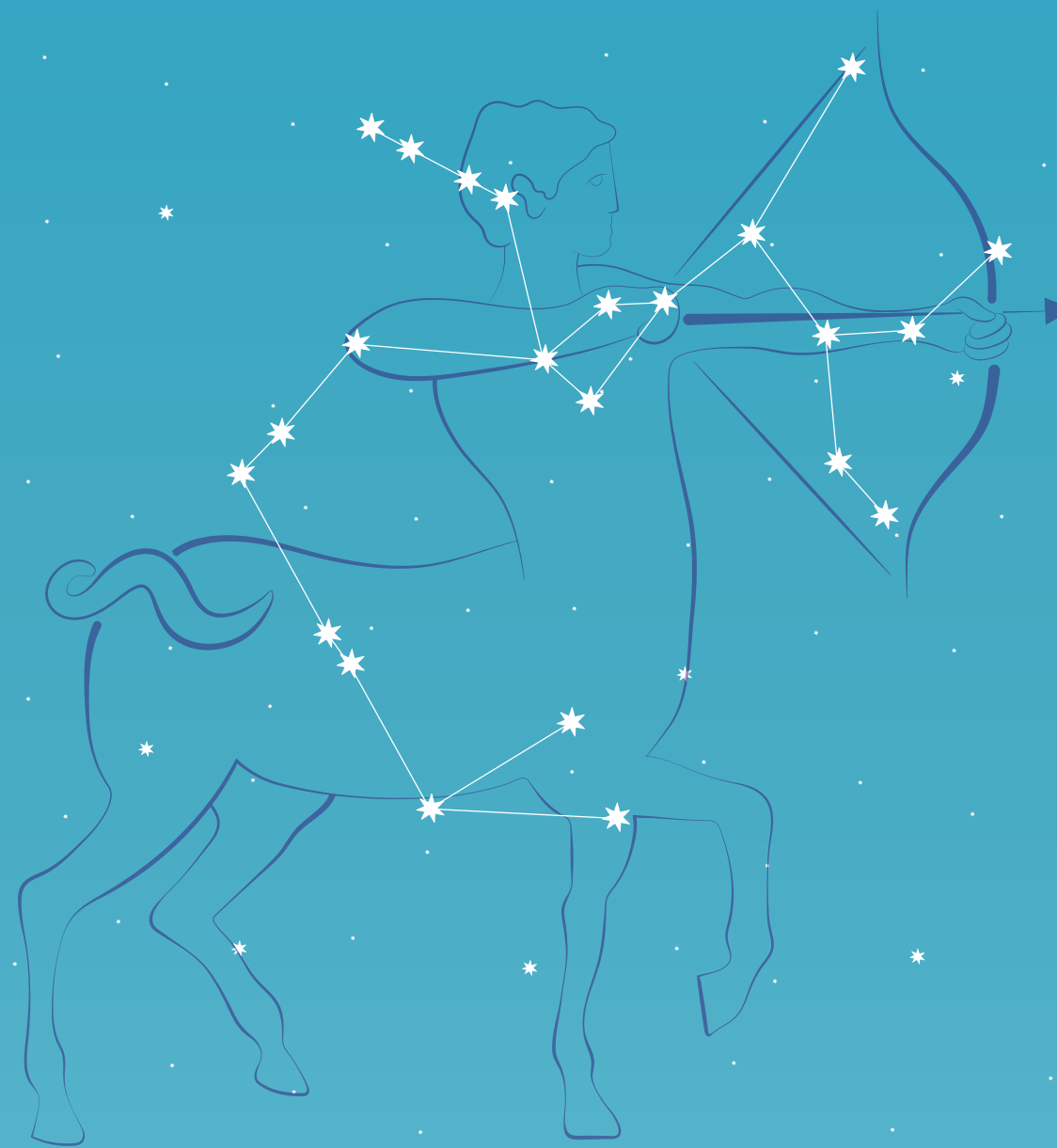
What did you want
to tell me, Mathias?



I have
good news

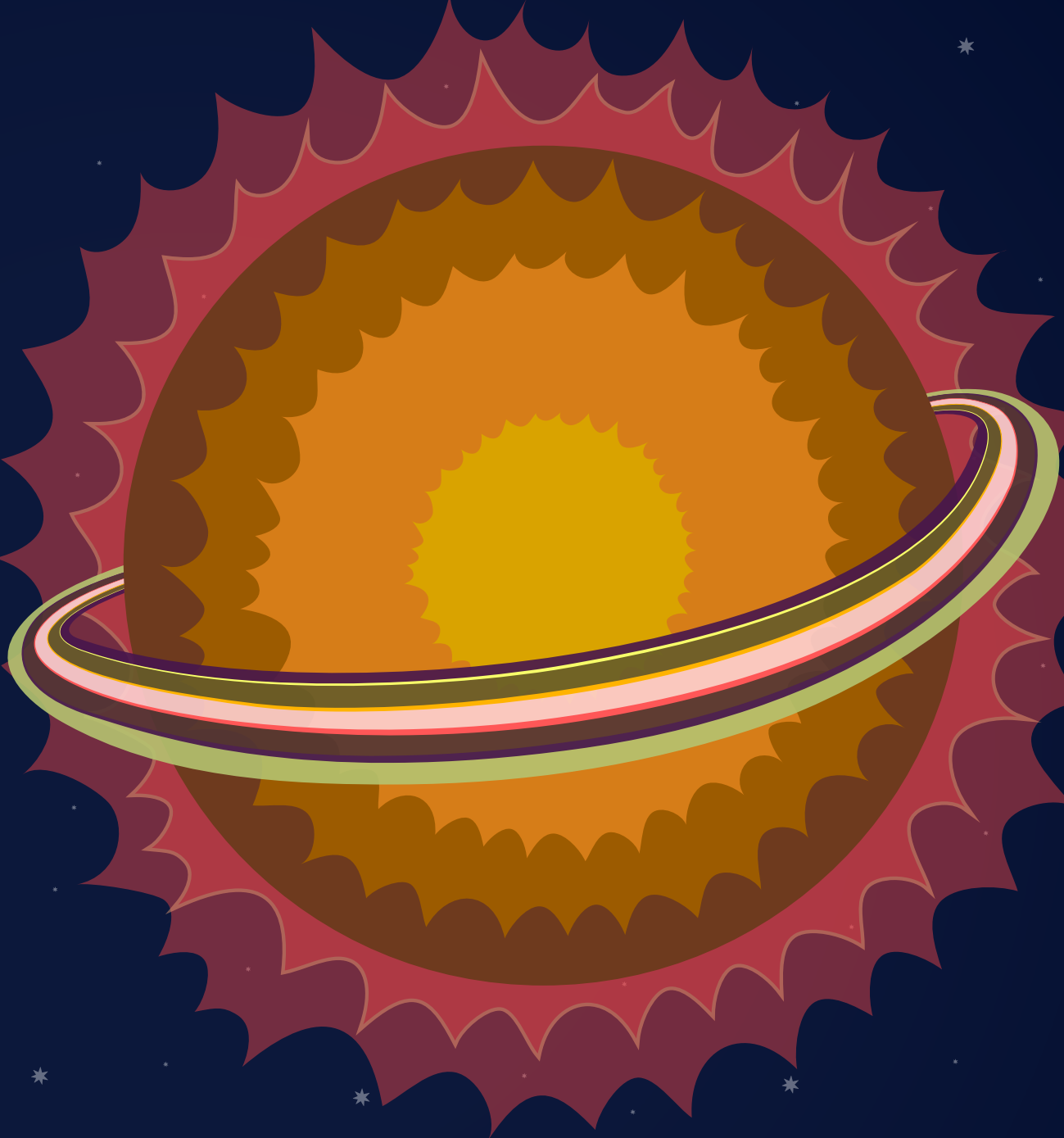


There, in
the Sagittarius
constellation



At a distance of
400 light-years
from us





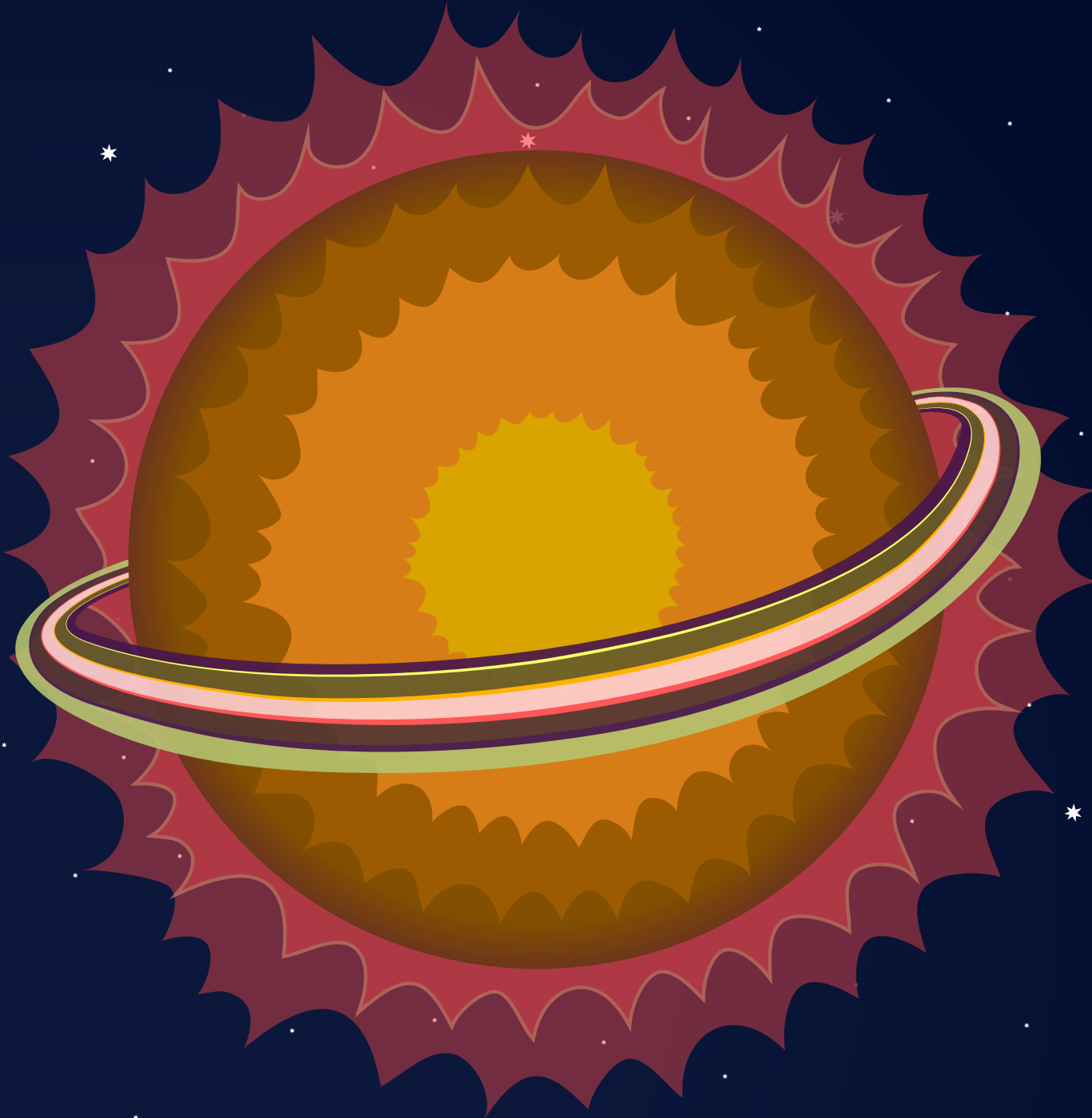
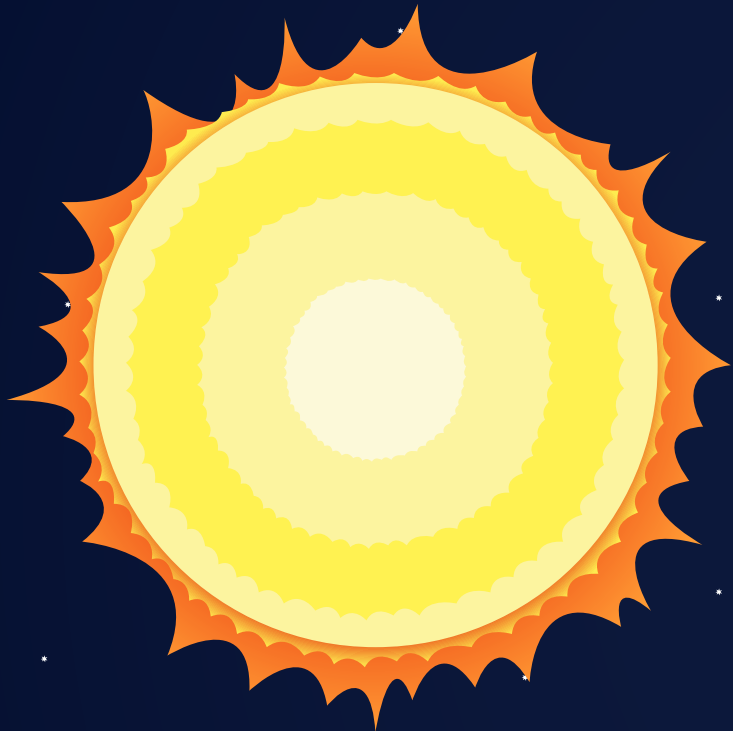
In a young star,
just 5 million
years old



Young?


Our Sun is
1,000 times older

But this star is twice
as big as our Sun



...And just like other young stars, it is
surrounded by a disk of dust and gas



A stylized illustration of a protoplanetary disk. The disk is composed of concentric rings of various colors, including orange, yellow, green, and purple, representing different layers of dust and gas. Two planets are shown within the disk. The planet on the left is larger and has horizontal stripes of blue, green, and yellow. The planet on the right is smaller and has horizontal stripes of blue and purple. The background is a dark blue space with small white stars.

Thanks to the prints
left in the dust and gas in
this disk, ALMA was able to
discover these 2 planets

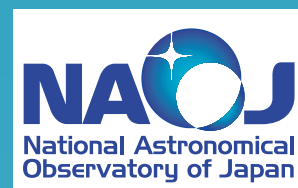
A cartoon illustration of a man and a woman standing in a desert landscape. The man is on the left, wearing a blue sweater and light blue pants, with his arms outstretched. The woman is on the right, wearing a brown jacket and light blue pants, with her hands clasped. They are standing on a sandy ground with brown hills in the background. A large, leafless tree is on the right side. The sky is a light blue with small white stars.

Each one measures
double Saturn

What big
babies!

An illustration of a woman with short brown hair and a pink headscarf pointing her right index finger towards the sky. She has a surprised expression with wide eyes and a small open mouth. A speech bubble originates from her hand. Next to her is a man with dark, wavy hair and a mustache, wearing a blue sweater. He is looking up at the sky with a wide, happy smile. The background is a solid teal color with small white stars scattered throughout.

Look, Mathias,
there are the
baby birds!!!



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