VERA C. RUBIN OBSERVATORY

U.S. National Science Foundation

U.S. DEPARTMENT of ENERGY | Office of Science

Education & Public Outreach

Bringing Rubin to the public



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Four simple questions

WHO are we?

WHAT do we make?

WHERE are we going?

TOGETHER how can we work together?



The Rubin EPO team

WHO WE ARE

Our mission

We provide innovative, high-impact, data-driven experiences that are accessible and approachable, adding real-world context and opportunities for people to engage with Rubin Observatory and explore the Universe.

WHO WE SERVE

- Science-interested public
- Educators
- Citizen scientists
- …and you!



Our approach



Accessible

Designed for the general public, especially people interested in science



Approachable

Friendly, conversational and simple language



Large audience

Mostly online: you only need a device and internet



Interesting & engaging

Stories and context connected to everyday life

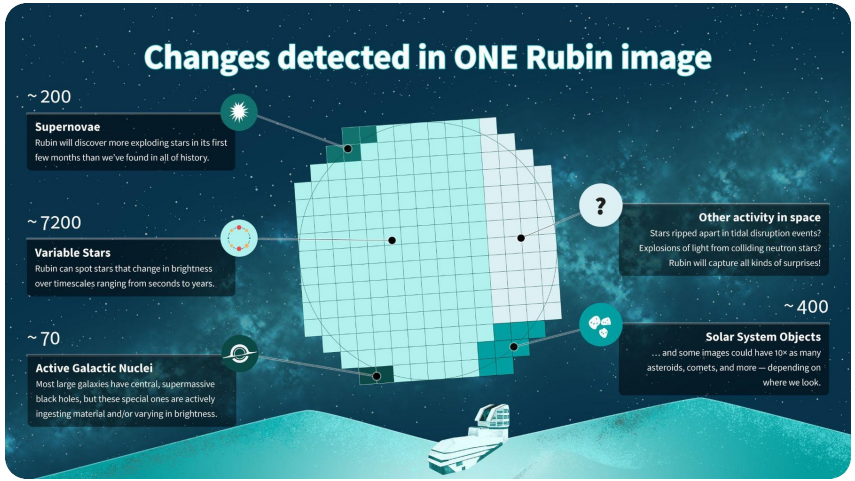
Website, social media & more

- **rubinobservatory.org** · public website
- **Gallery** of images and graphics
- **Animated videos**
- **Social media** · @rubin_observatory
- **Coloring book** · ls.st/coloring-book
- **Resource portal** · ls.st/resources



All in English and Spanish!

Ready to use in your talks and classes



Visuals & infographics

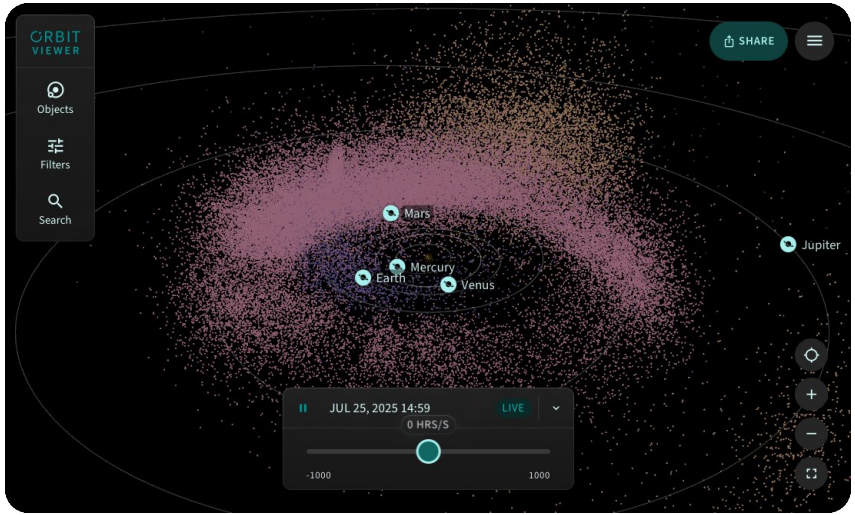
Images, animations and graphics, free to use



“Introduction to Rubin” slide deck

Fully editable, now in Spanish · ls.st/resources

Explore real data in your browser



Orbitviewer.app

The Solar System, synced with the Minor Planet Center



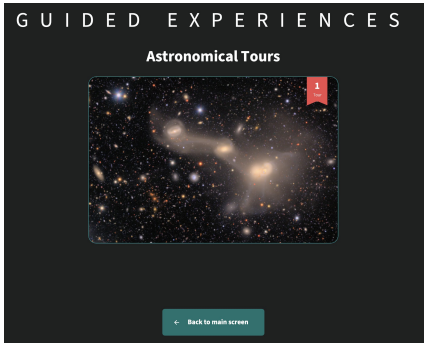
Skyviewer.app

The Rubin sky: zoom, search, share and guided tours

Skyviewer

Interactive all sky explorer
Skyviewer.app



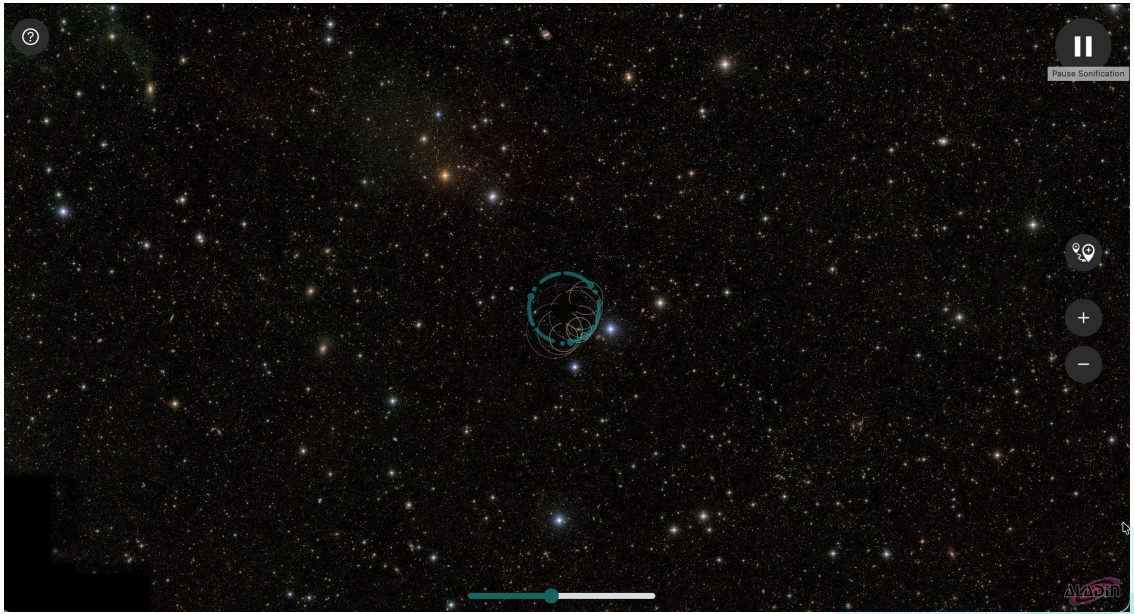




SkySynth: Skyviewer sonified!

Skyviewer.app/skysynth

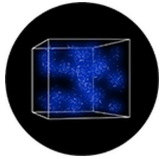
- Interactive, data driven sonification built in Skyviewer
- Two modes:
  - Free-form “random walk”
  - Manual exploration
- How it works: ls.st/about-skysynth



Classroom investigations with real Rubin data



Coloring the Universe



Observable Universe



Hazardous Asteroids



Expanding Universe



Surveying the Solar System



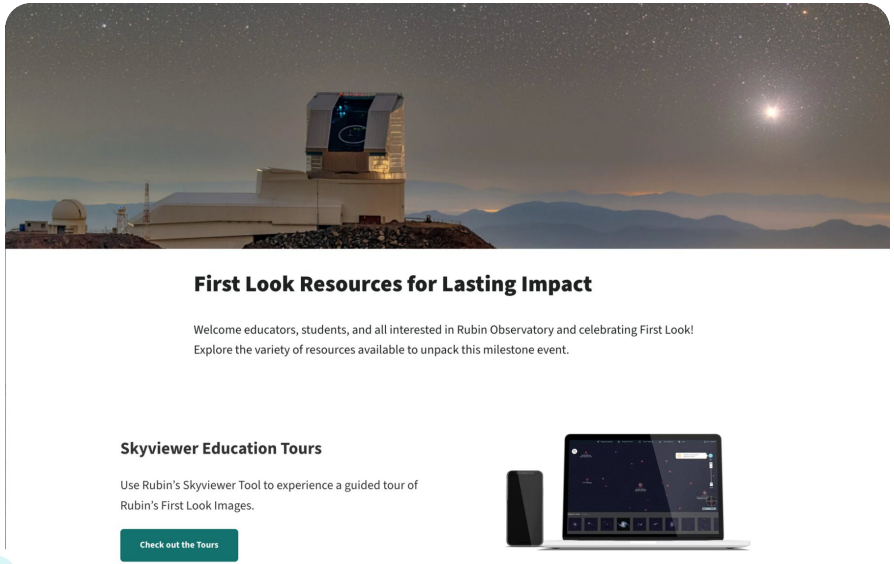
Exploding Stars



Stellar Safari

For classrooms & lecture halls · English and Spanish

First Look resources for lasting impact



Educational tours

Skyviewer tours with guides for educators



RUBINgo

A bingo game with the Cosmic Treasure Chest image

We play it tomorrow!

What teachers say

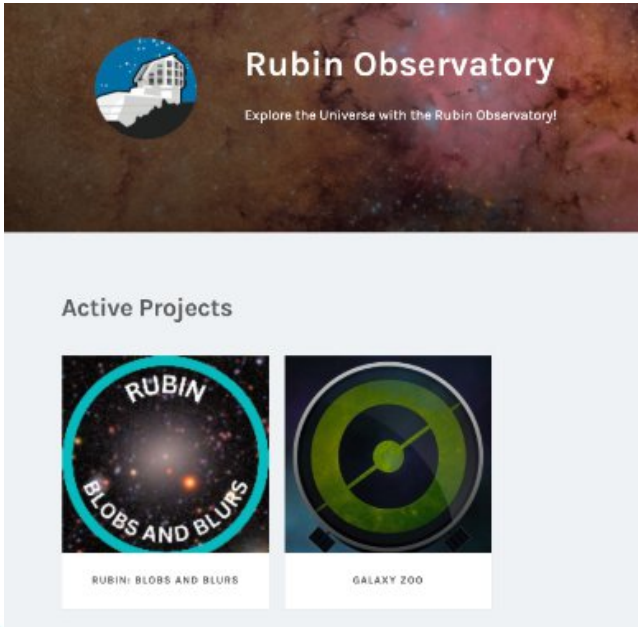


Where our workshop educators come from

> *The scale of what's going on, that's my hook for my students.*

> *I don't know of any other observatory that has put even half as much effort into creating teacher-friendly, student-centered and realistic science activities.*

Citizen science with Rubin & Zooniverse



5
projects

> 11 M
classifications

167 K
Volunteers

For volunteers

Links to EPO resources, help to understand Rubin science, and connection with scientists

For science teams

Pipeline and tutorials between the Rubin Science Platform and Zooniverse, plus support · citizen-science.lsst.io

zooniverse.org/rubin

Rubin EPO in Chile & Latin America

Team in Chile	Rubin is in Chile: our EPO team works here, with NOIRLab and local partners
Spanish & Portuguese	Everything in Spanish, and Portuguese is on the way
Schools & teachers	Online and in-person workshops all year, plus activities in schools
Real data for all	New collaborations, like ALeRCE: real alert data for classrooms, even on paper

Summer Stars LATAM: a Rubin camp for teachers



Summer Stars LATAM 2025 at Rubin Observatory

A Rubin education camp for high school teachers

5 nights: 2 at Cerro Tololo + 3 at the AURA Recinto in La Serena

Teachers from Latin America

~150
applications 2025

240+
applications 2026

Only 14 places. In 2026, applications were open just 3 weeks!

Teacher workshops: online & in person



Teacher training in Santiago

We meet teachers where they are.

Online
Workshops and activities

In person
Training in Santiago and La Serena

All year
At different moments of the year

Schools & planetariums



Planetario Huechuraba



Rubin on the planetarium dome



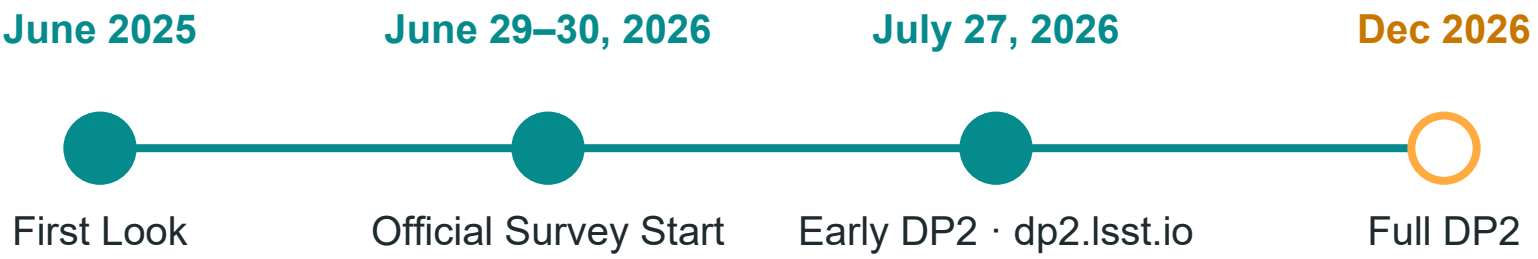
Kinder: “Mi amigo del Sol”

1,205
students · Viaje al Universo 2026

3 schools in 3 days

Talks and activities for all ages: from kinder to adults

A big year for Rubin

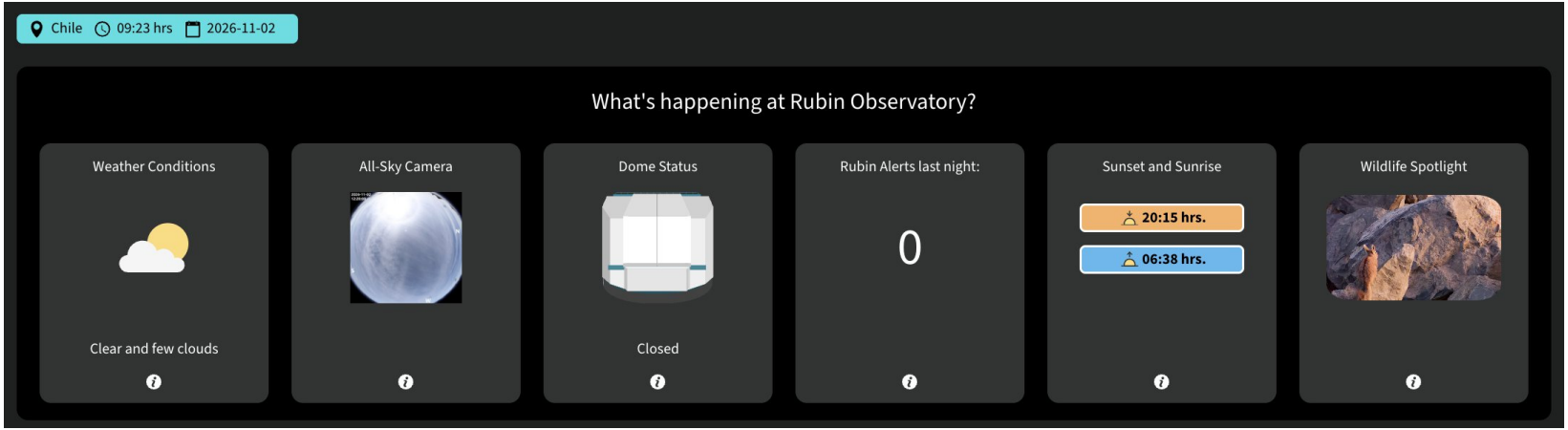


ALSO THIS YEAR

- First alerts
- First citizen science projects
- Orbitviewer
- Summit Status Dashboard
- New Skyviewer tours
- “Rubin Basics” series
- New animations

NEW

Summit Status Dashboard: live now!



What is happening at Rubin right now?

Weather, all-sky camera, dome status, last night's alerts, sunset & sunrise, and local species

THIS WEEK

Join us at LSST@LATAM!

Tue · Nov 3

AstroBreja

with Bruno Quint

+

RUBINgo

A bingo game with the Cosmic Treasure Chest image

Wed · Nov 4

Planetário do Ibirapuera

Rubin session with David San Martin

Sat · Nov 7

Teacher Workshop

Rubin resources for the classroom

Have an idea, a school or a planetarium? Let's talk!

Let’s work together

We work for the public, educators and citizen scientists…

…but you can use our resources in many creative ways!

Have an idea, a project, a school or a planetarium?
Let’s talk!

> *They democratize access to knowledge, in the spirit of Vera Rubin.*
> — Workshop participant

VERA C. RUBIN OBSERVATORY

Thank you!

¡Gracias! Obrigada!

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ls.st/resources · rubinobservatory.org

NSF NOIRLab AURA SLAC U.S. DEPARTMENT OF ENERGY

