



Robert Simpson
University of Oxford

ZOONIVERSE

Take part in
Science Projects

Experiment in
Laboratory

We've done it!

1 MILLION VOLUNTEERS

participating in the Zooniverse

All

Space

Climate

Humanities

Nature

Biology

Space

Sort by



How do galaxies form?

NASA's Hubble Space Telescope archive provides hundreds of thousands of galaxy images.

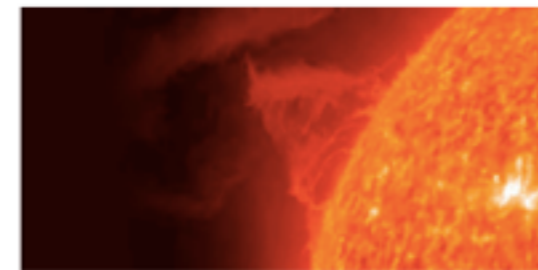
GALAXY ZOO



Explore the surface of the Moon

We hope to study the lunar surface in unprecedented detail.

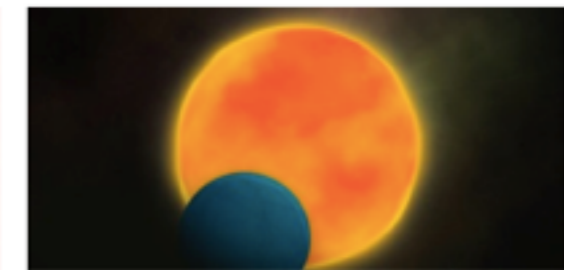
MOON ZOO



Study explosions on the Sun

Explore interactive diagrams to learn about the Sun and the spacecraft monitoring it.

SOLAR
STORMWATCH



Find planets around stars

Lightcurve changes from the Kepler spacecraft can indicate transiting planets.

planethunters.org

Hear Whales communicate

You can help marine researchers understand what whales are saying

WHALE

Help explore the ocean floor

The HabCam team and the Woods Hole Oceanographic Institution need your help!

SEAFLOOR EXPLORER

You're hot on the trail of bats!

Help scientists characterise bat calls recorded by citizen scientists.

BAT DETECTIVE

Go wild in the Serengeti!

We need your help to classify all the different animals caught in millions of camera trap images.

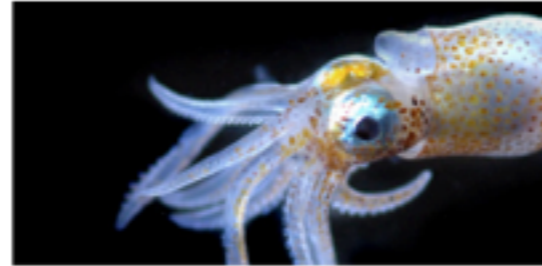
SNAPSHOT SERENGETI



Take Notes from Nature

Transcribe museum records to take notes from nature, contribute to science.

Notes from Nature

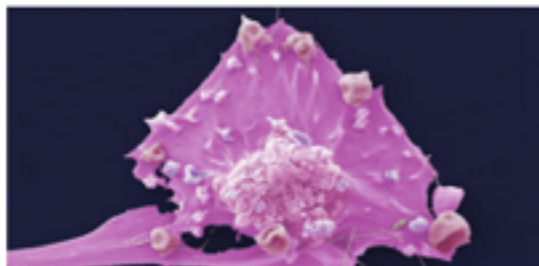


No plankton means no life in the ocean

Plankton are a critically important food source for our oceans.

PLANKTON PORTAL

Biology



Analyse real life cancer data.

You can help scientists from the world's largest cancer research institution find cures for cancer.

Cell Slider



Track genetic mysteries

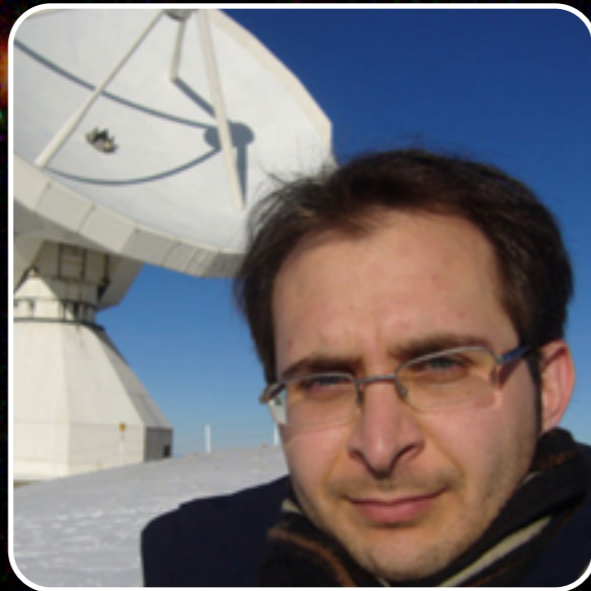
We can better understand how our genes work by spotting the worms laying eggs.

WORM WATCH LAB

Kevin Schawinski



Kevin Schawinski





[Galaxy Tutorial](#)[Galaxy Analysis](#)

Galaxy Analysis

Welcome to Galaxy Zoo's view of the Universe. If you're here you should already have seen the [Tutorial](#), but feel free to go and remind yourself. There's no need to agonise for too long over any one image, just make your best guess in each case.

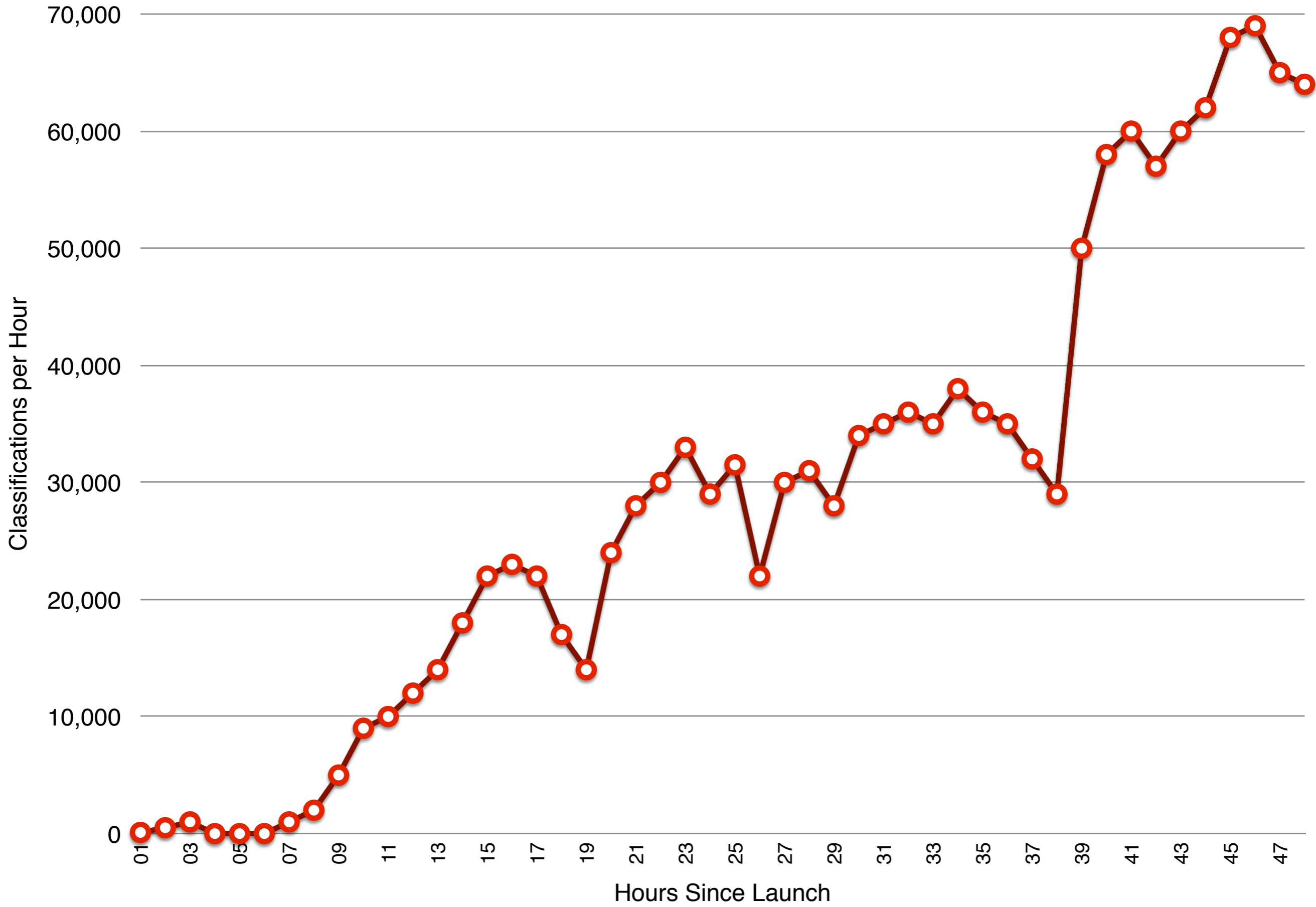


Show Grid Overlay on the next Image

Galaxy Ref:
588010880371851294

Choose the Galaxy Profile
by clicking the buttons
below







400,000

volunteers

classifications

200m



Galaxy Zoo: help astronomers classify galaxies

galaxyzoo.org



Classify



SDSS



Favourite



Invert

Help

Restart

SHAPE

Is the galaxy simply smooth and rounded, with no sign of a disk?



Smooth



Features or disk



Star or artifact



Classify



SDSS



Favourite



Invert

Help

Restart

SHAPE

Is the galaxy simply smooth and rounded, with no sign of a disk?



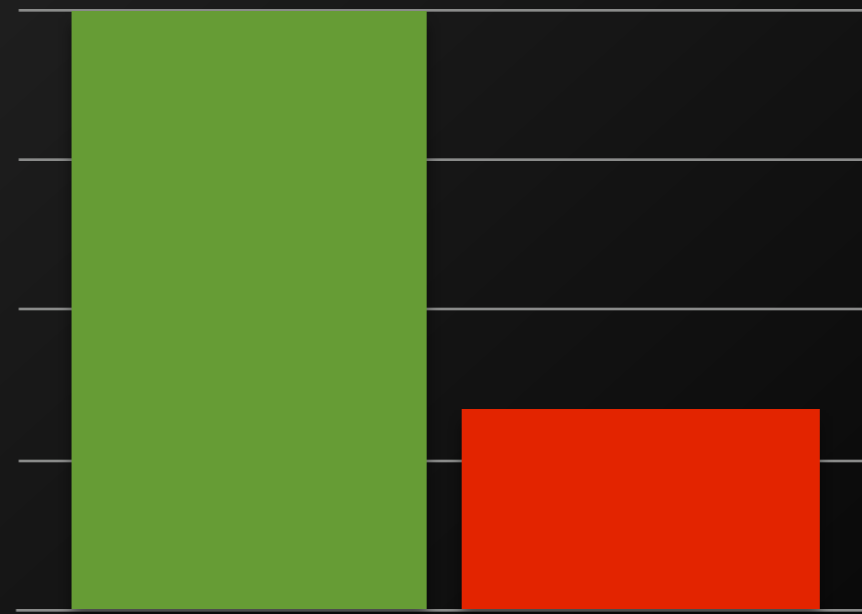
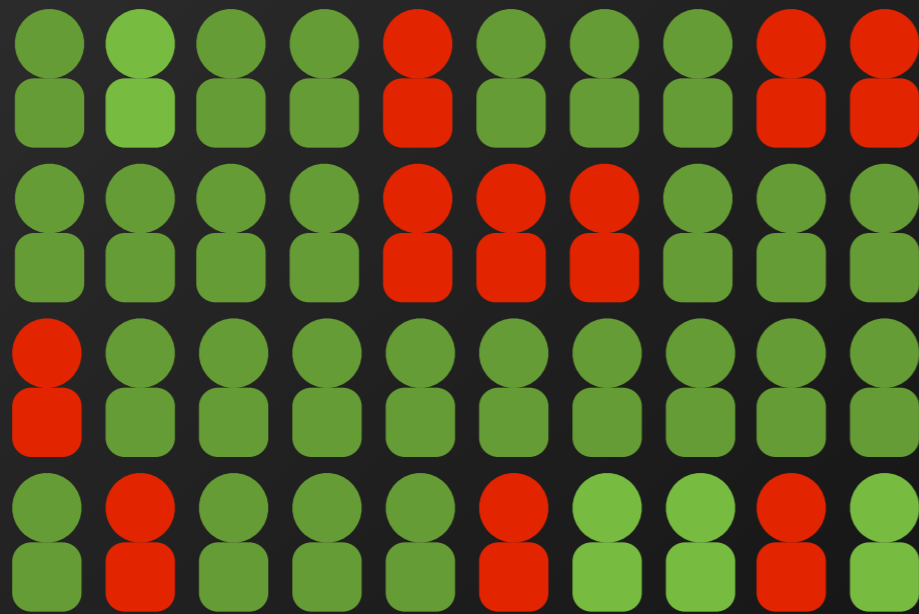
Smooth



Features or disk

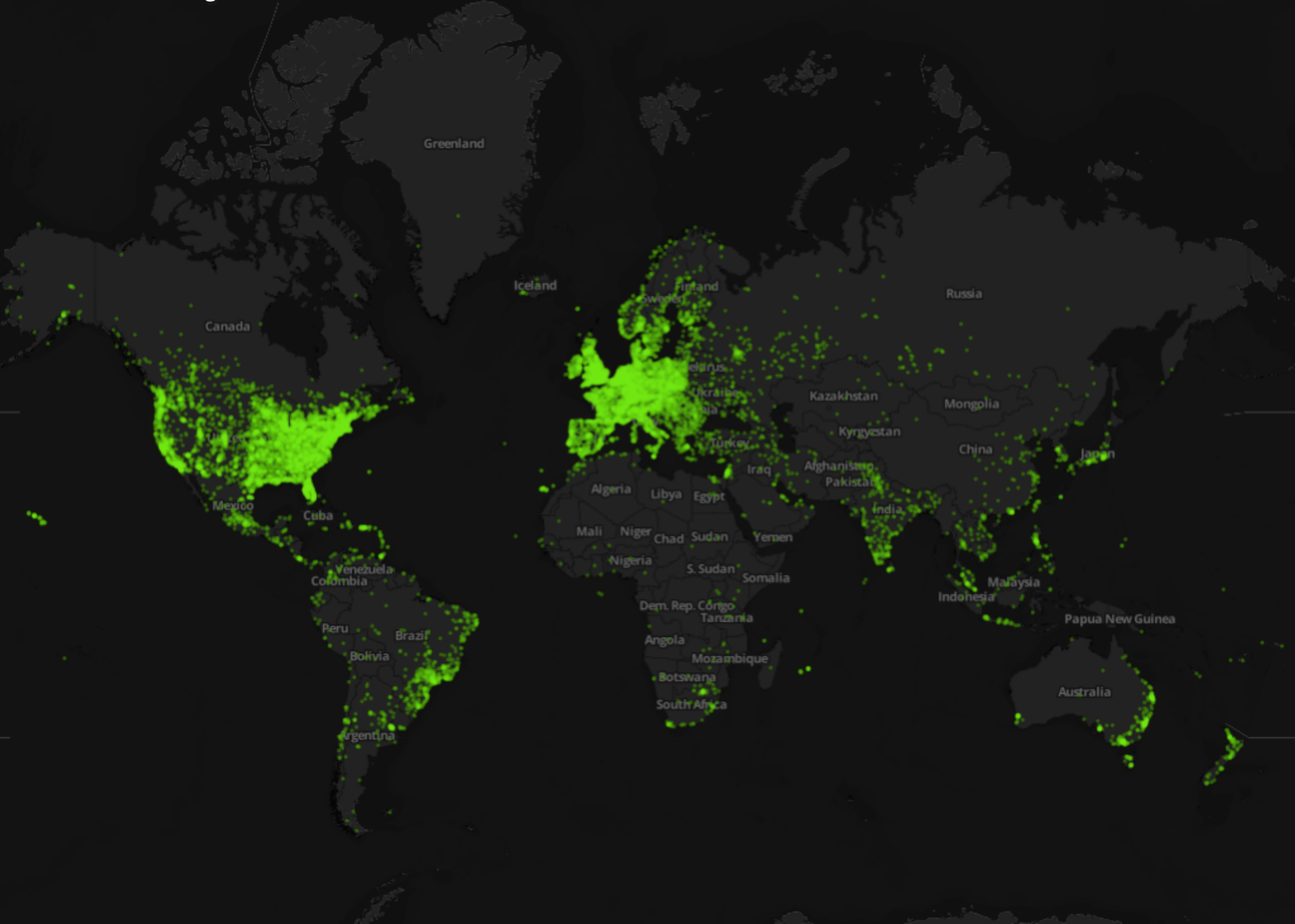


Star or artifact



ZOONIVERSE







50+

years



ZOONIVERSE



50,000

volunteers

drawings

3,500,000

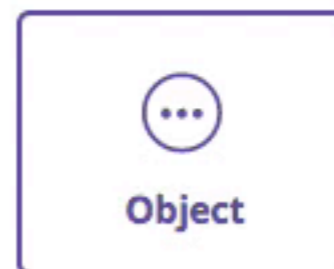
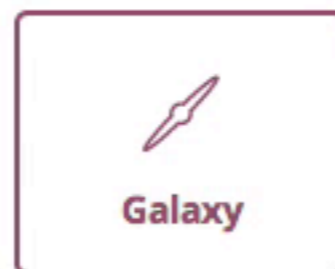
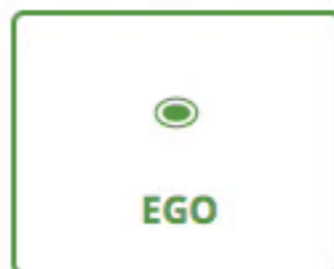
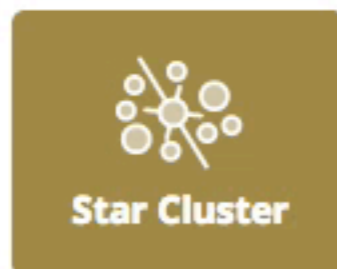
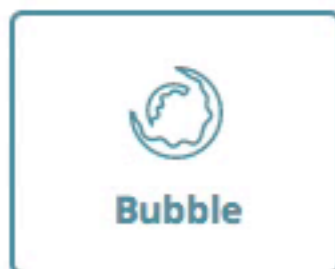


The Milky Way Project: measure and map our galaxy in infrared

milkywayproject.org

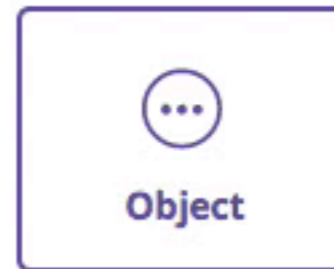
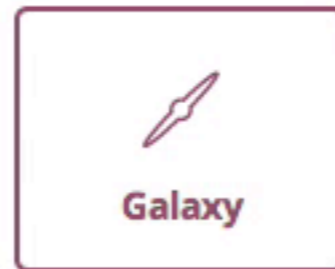
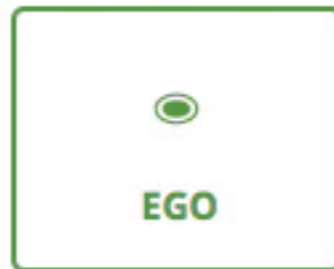
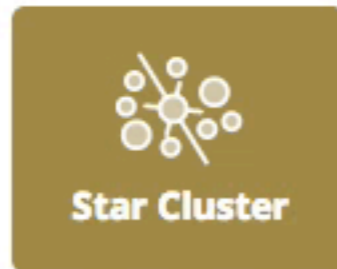
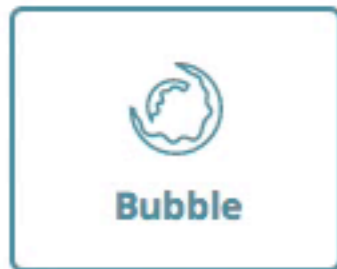


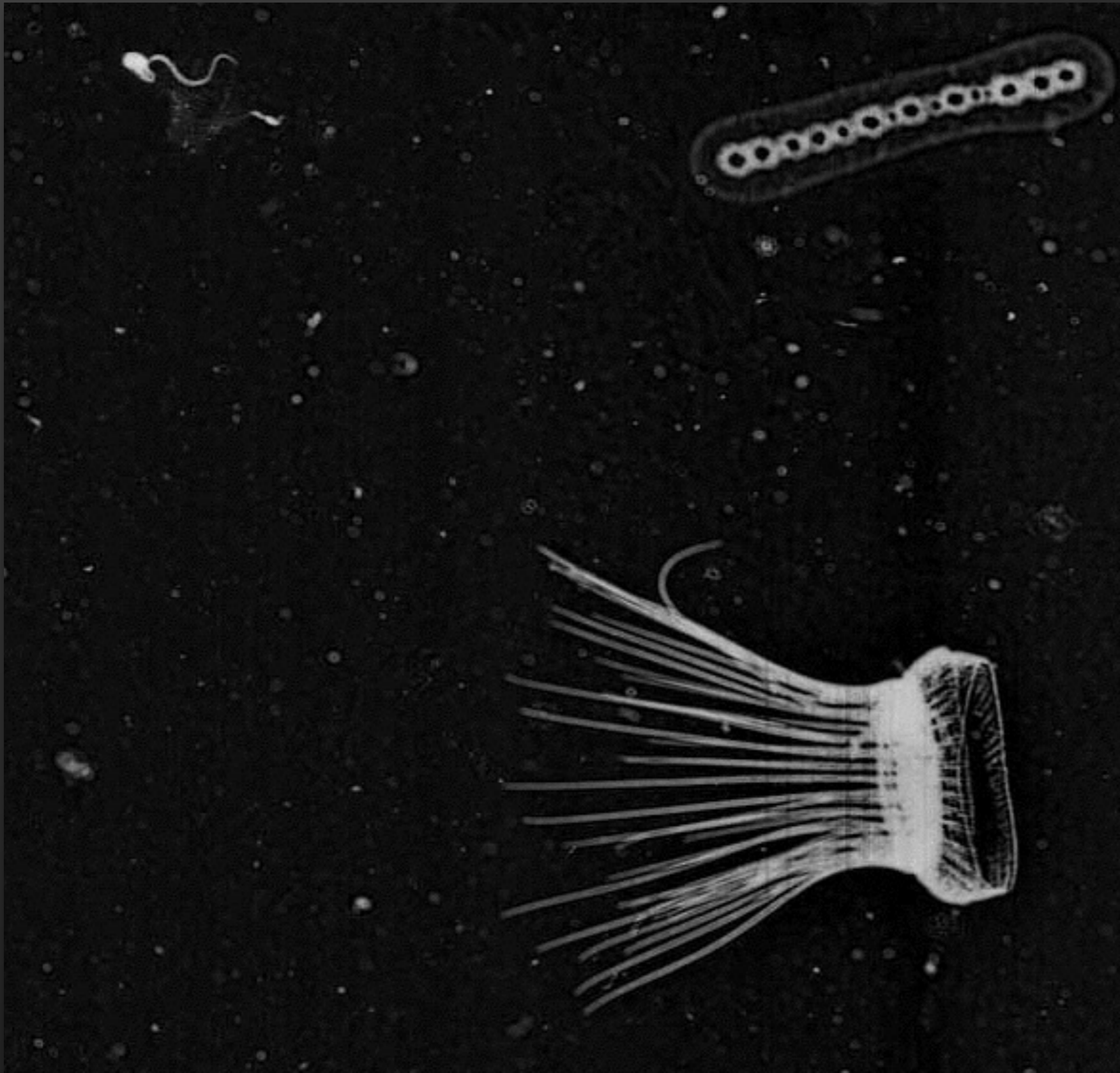
What do you see in this image?





What do you see in this image?

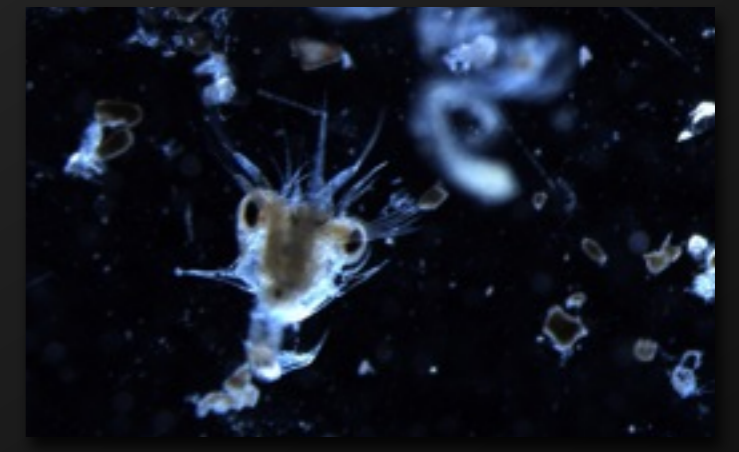




5,000
volunteers

classifications

400,000



Plankton Portal: tag various species of plankton to help us catalogue the oceans

planktonportal.org



2014/1/27



0.00m



0.00°C

NUMBER
COUNTED **0**

Finish

Restart tutorial



Home



2014/1/27



0.00m



0.00°C

NUMBER
COUNTED **0**

Finish

Restart tutorial



Home

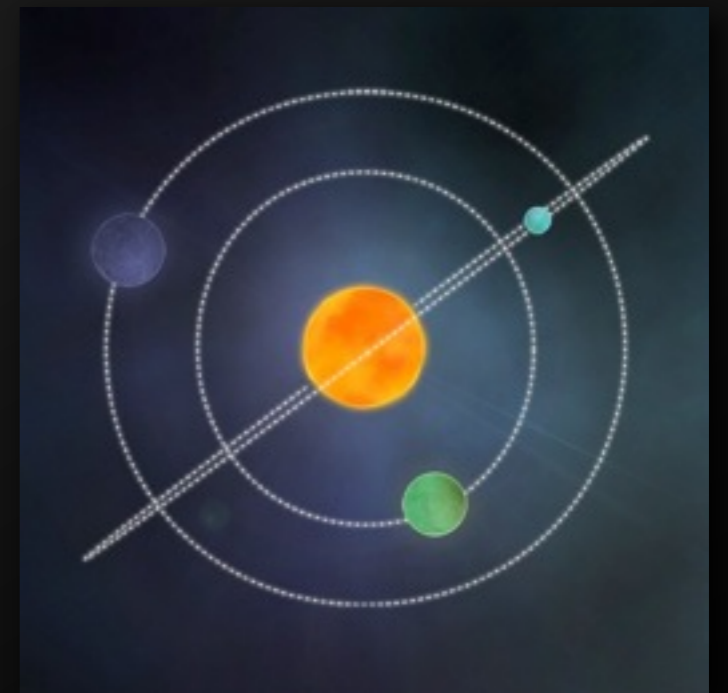
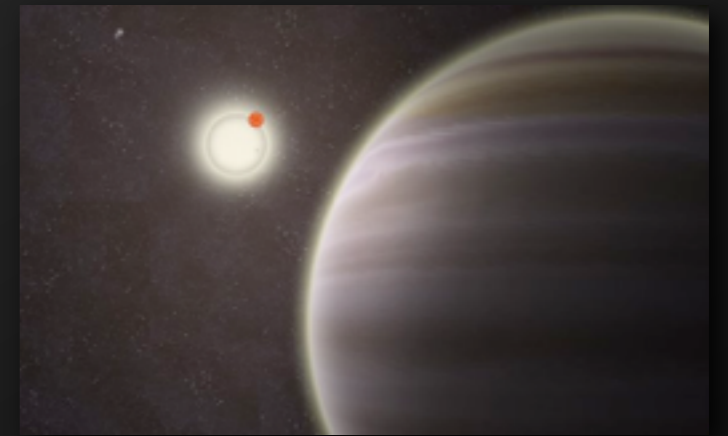


250,000

volunteers

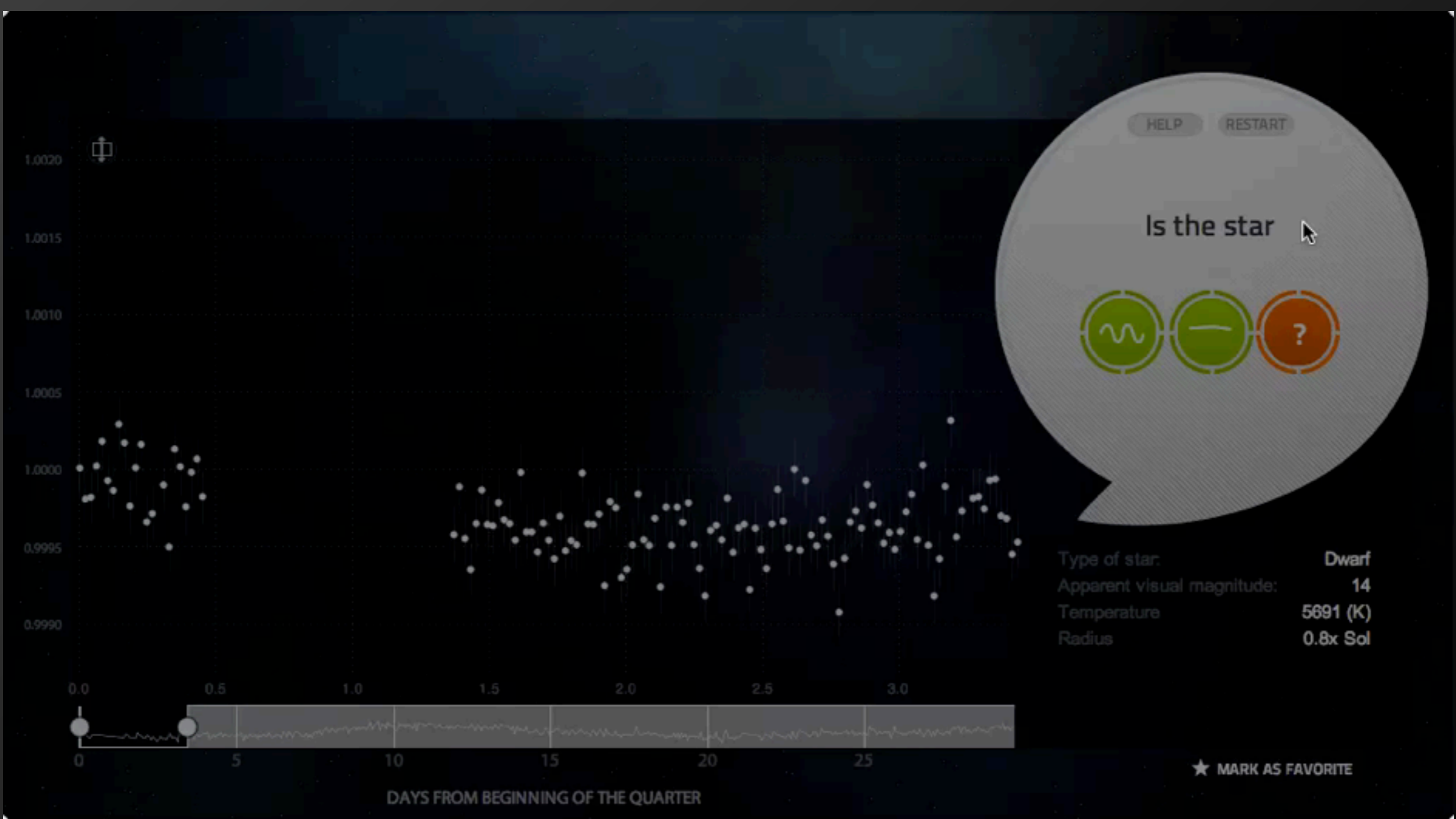
transits

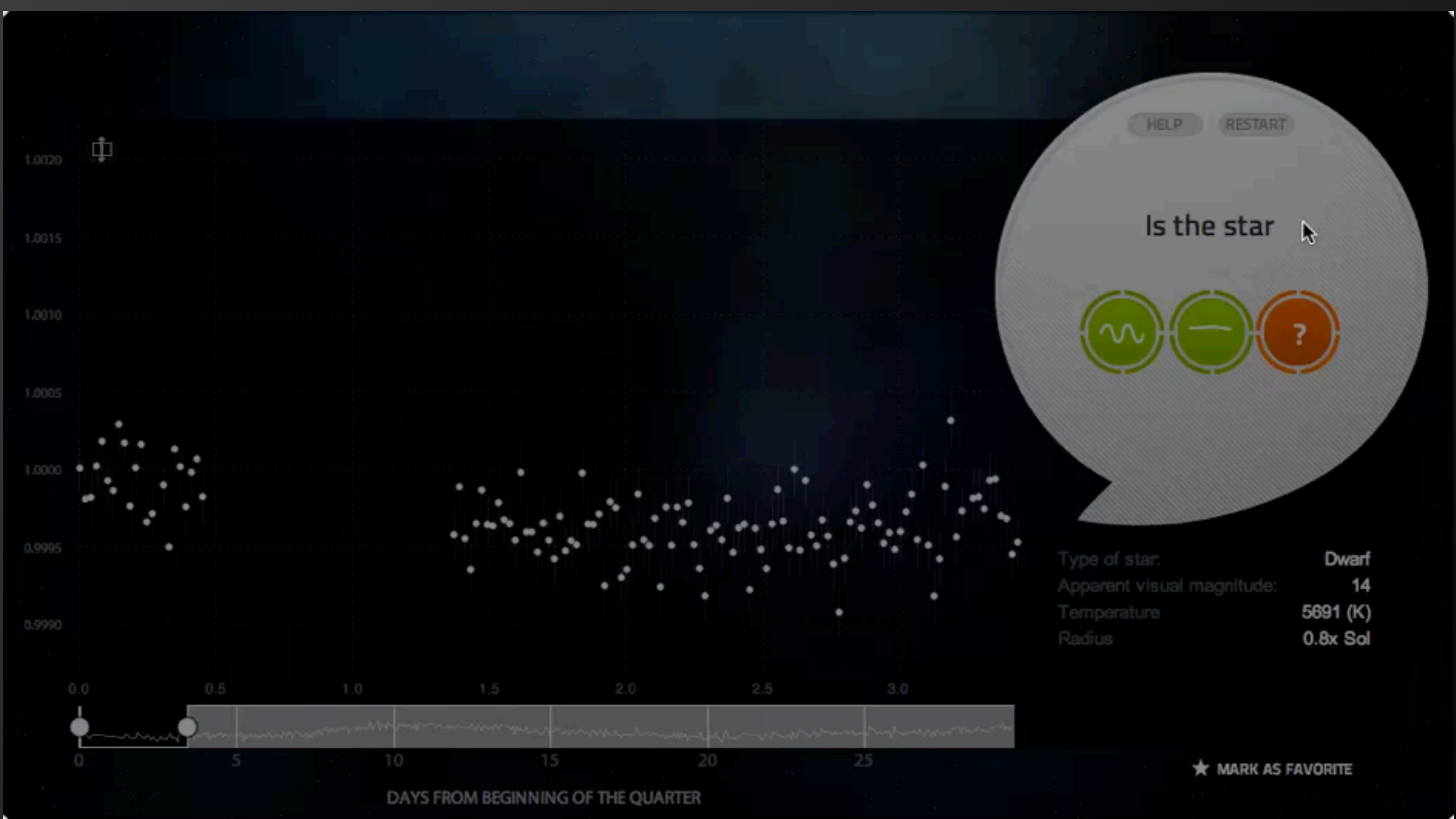
20,000,000



Planet Hunters: finding exoplanets in NASA Kepler data

planethunters.org







30,000

volunteers

classifications

10,000,000



Snapshot Serengeti: identify and describe animals in Serengeti National Park

snapshotserengeti.org



Looks like ▾



Pattern	Color	Horns	Tail	Build
Aardvark	Giraffe	Porcupine		
Aardwolf	Guinea fowl	Reedbuck		
Baboon	Hare	Reptiles		
Bat-eared fox	Hartebeest	Rhinoceros		
Bird (other)	Hippopotamus	Rodents		
Buffalo	Honey-badger	Secretary bird		
Bushbuck	Hyena (spotted)	Serval		
Caracal	Hyena (striped)	Topi		
Cheetah	Impala	Vervet monkey		
Civet	Jackal	Warthog		
Dik dik	Kori bustard	Waterbuck		
Eland	Leopard	Wildcat		
Elephant	Lion (female or cub)	Wildebeest		
Gazelle (Grant's)	Lion (male)	Zebra		
Gazelle (Thomson's)	Mongoose	Zorilla		
Genet	Ostrich	Human		



■ Nothing here

Finish

Tutorial

Clear filters



Looks like ▾

Pattern	Color	Horns	Tail	Build
Aardvark	Giraffe	Porcupine		
Aardwolf	Guinea fowl	Reedbuck		
Baboon	Hare	Reptiles		
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Gazelle (Grant's)	Lion (male)	Zebra		
Gazelle (Thomson's)	Mongoose	Zorilla		
Genet	Ostrich	Human		



Nothing here

Finish

Tutorial

Clear filters

ZOONIVERSE

200 billion hours a year
Spent watching TV by US adults



■ 100 million hours total
to create Wikipedia



16

years

16
years



16
years

Every
Hour





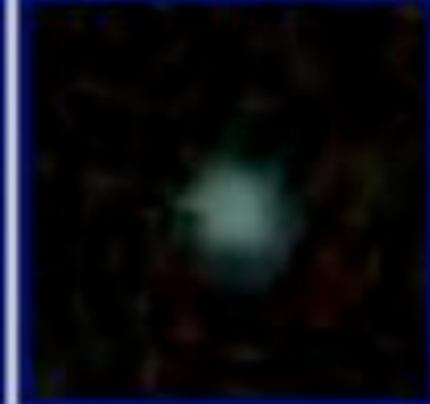



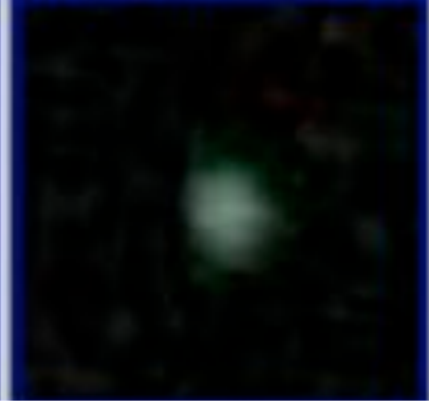

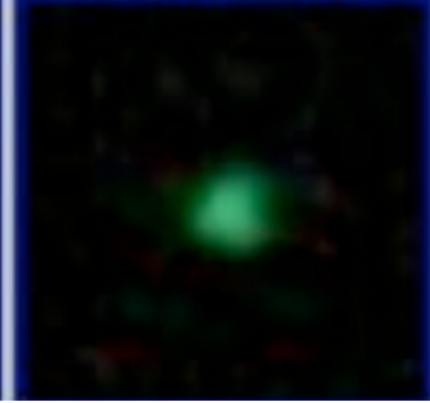

Cognitive Surplus

- Clay Shirky, NYU



ZOONIVERSE

Serendipity

587739376706978028 J102210.25+311713.9 	587739610239402144 J123453.39+332430.3 	587739608086741136 J113857.4+311846.6 	588017979967733968 J123126.52+405711.5 	588017720838570644 J110120.35+402242.3 
588017978351616137 J112615.25+385817.4 	588017977278988558 J113946.93+382225.9 	587739098597687419 J115135.32+375603.6 	587739408393044155 J122245.71+360218.4 	587739508816631548 J121139.18+330804.5 

Featured discussions

Hello everyone!

Posted in Introduce yourself

169 posts / 142 participant

Popular hashtags

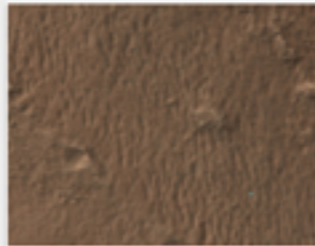
- frost
- boulders
- fans
- boulder
- spiders
- fanfield
- blotches
- ice
- blotchfield
- spider
- fan
- blue
- tramlines
- interesting
- blotch
- cracks
- green
- ridges
- yardangs
- bluefans

Currently Online

3 users

- Shona Anne
- ttnrob
- parttimework

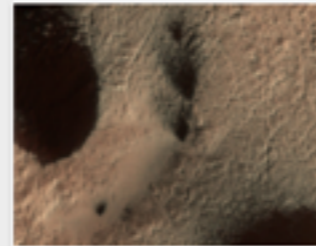
People are Observing...



16 Comments, 2 Discussions

Is the blue bob an error on the image collected...

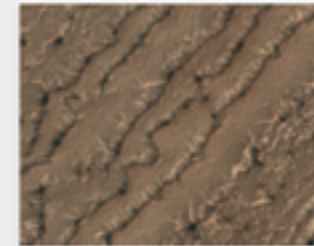
by [Neha_pk](#)



22 Comments, 1 Discussions

Do you mean this one (inverted)? > Its the image in

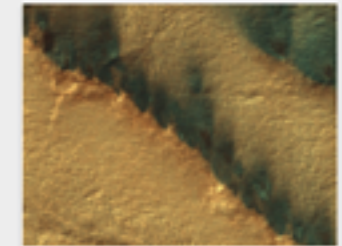
by [JellyMonster](#)



19 Comments, 3 Discussions

No not figured it out yet, need to find a couple that fit together

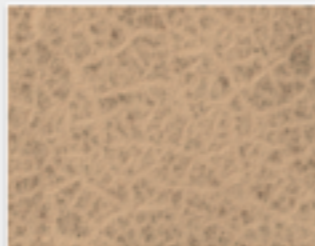
by [wassock](#)



12 Comments, 2 Discussions

#fans adjacent along #fault lines or cracks. Note smaller brown

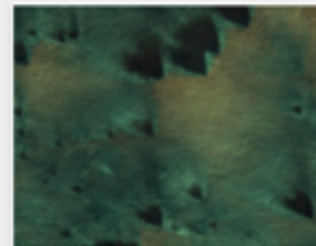
by [ang60](#)



11 Comments, 2 Discussions

Iv also come across more images of the same patterns

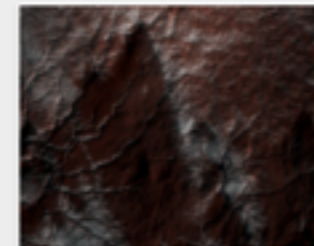
by [rowbumby](#)



6 Comments, 1 Discussions

#fan black fans overlying green copper coloured fans on light

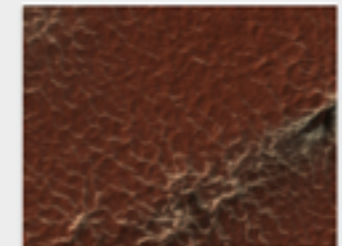
by [JohnRon](#)



6 Comments, 2 Discussions

#fan area underlying frost

by [JohnRon](#)



9 Comments, 2 Discussions

I use Paint Shop Pro 7 mostly. I also like IrfanView (freeware).

by [JellyMonster](#)

[Load more](#)

People are Discussing...

Select the tools you need:

Histogram

Scatterplot

Map

Spectra

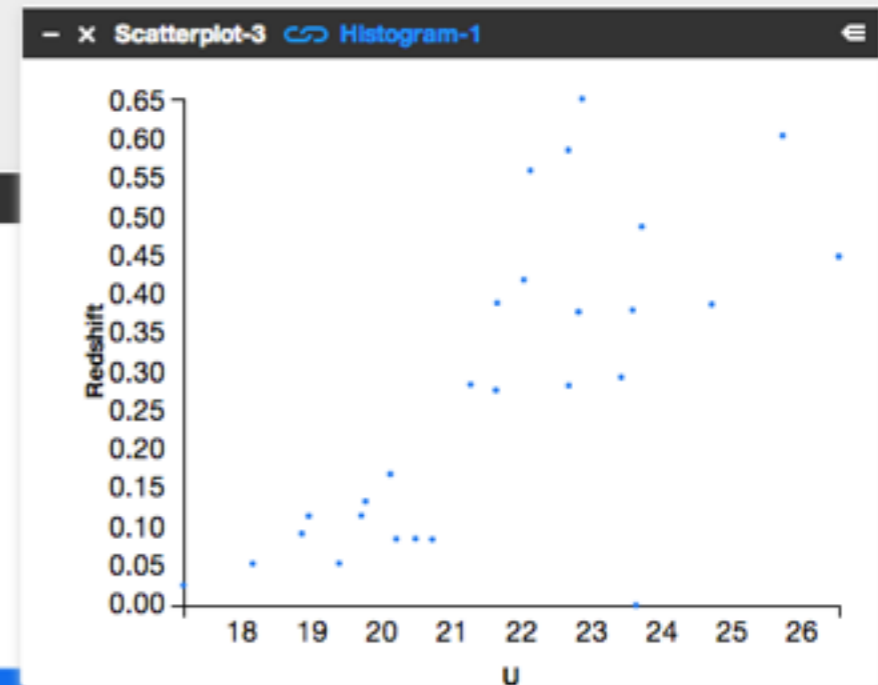
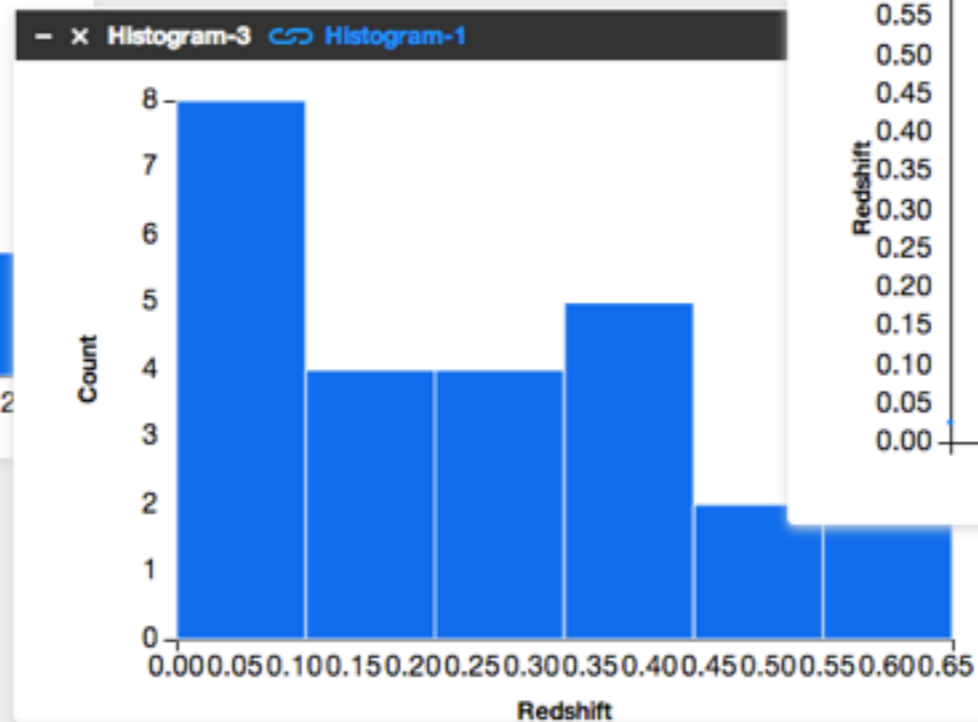
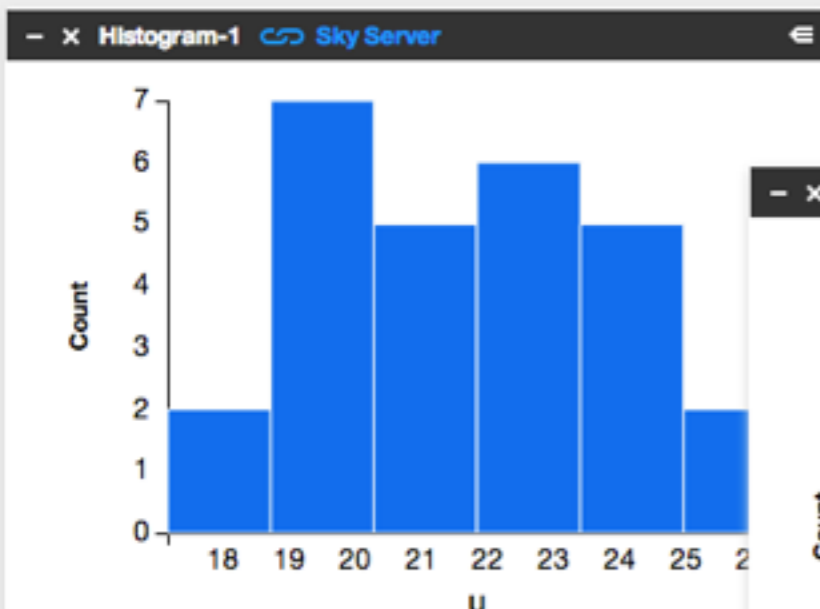
Statistics

Subject Viewer

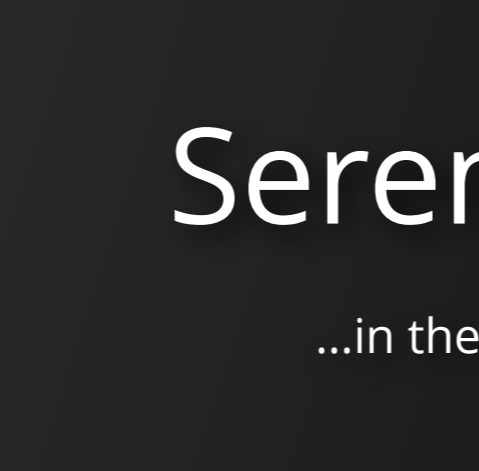
Table

My Great Dashboard

Clear Tools

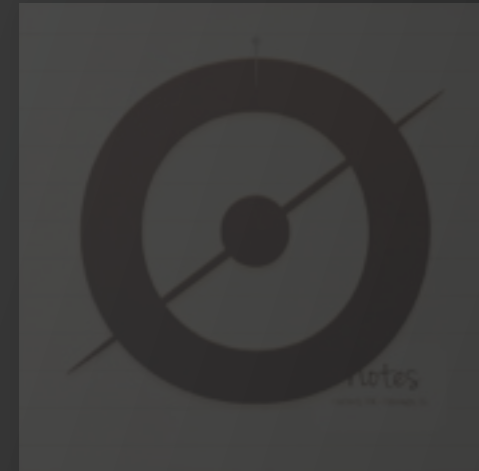
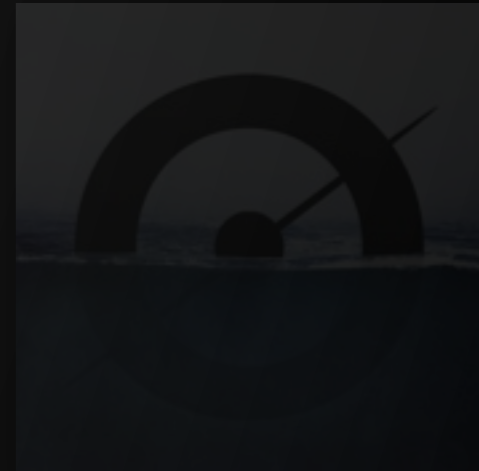
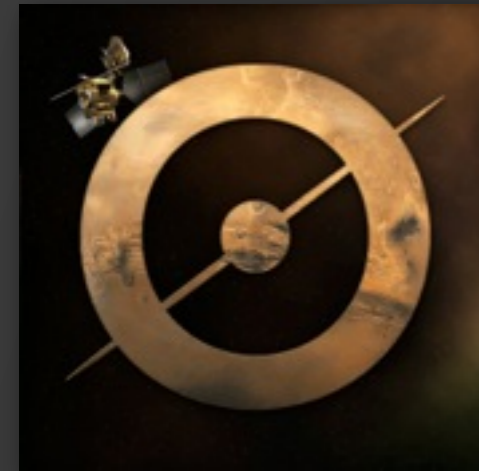


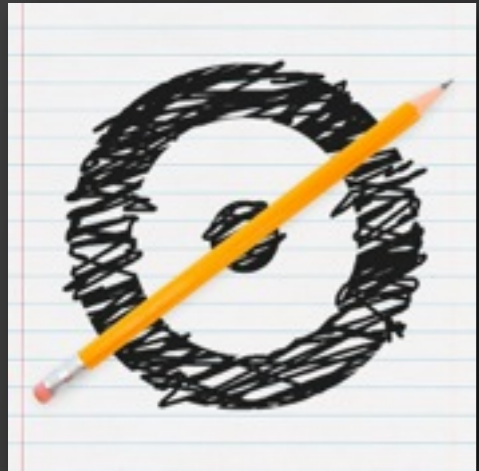
Dashboard is a place for volunteers to observe, collect, and analyze data from Zooniverse citizen science projects.



Serendipity

...in the Zooniverse





zooniverse.org

Robert Simpson - @orbitingfrog

