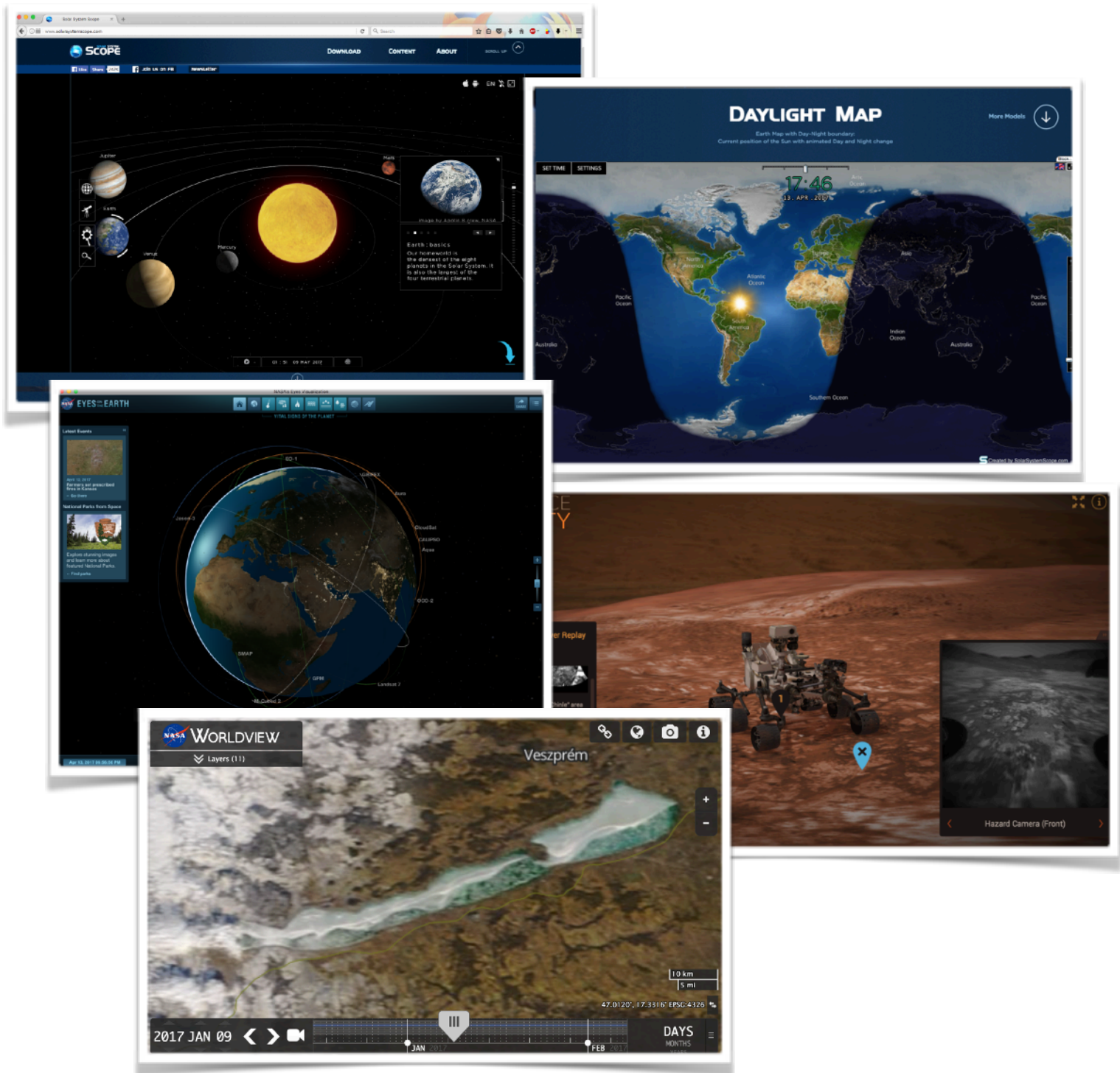


NASA Open data

Cool things NASA shares with the public - 2017



Cool things NASA shares with the public - 2017	1
1. Earth	3
1.1. Daylight map	3
1.2 Eyes on the Earth	4
1.3 World View	7
2. Solar System	9
2.1. Solar System Scope	9
2.2 NASA space mission sounds	10
3. Planets	11
3.1. Experience Curiosity	11
3.2 Eyes on Exoplanets	12

1. Earth

1.1. Daylight map

Things to see here:

- **Current position of the Sun** with animated Day and Night change
- **Change date/time** on a scale

Website:

<http://www.solarsystemscope.com/daylightmap/>

Screenshot:



Daylight map

1.2 Eyes on the Earth

Things to see here:

- Globe with **satellites' position** animated in real time
- **3D models of satellites** (for example ISS, see below)
- **Visible Earth** - latest 24 hour mosaic of Earth taken by a satellite
- **Temperature map** - average daytime air temperature measured in the last few days
- **Carbon dioxide, carbon monoxide, ozone map**
- **Water, ice, sea level**

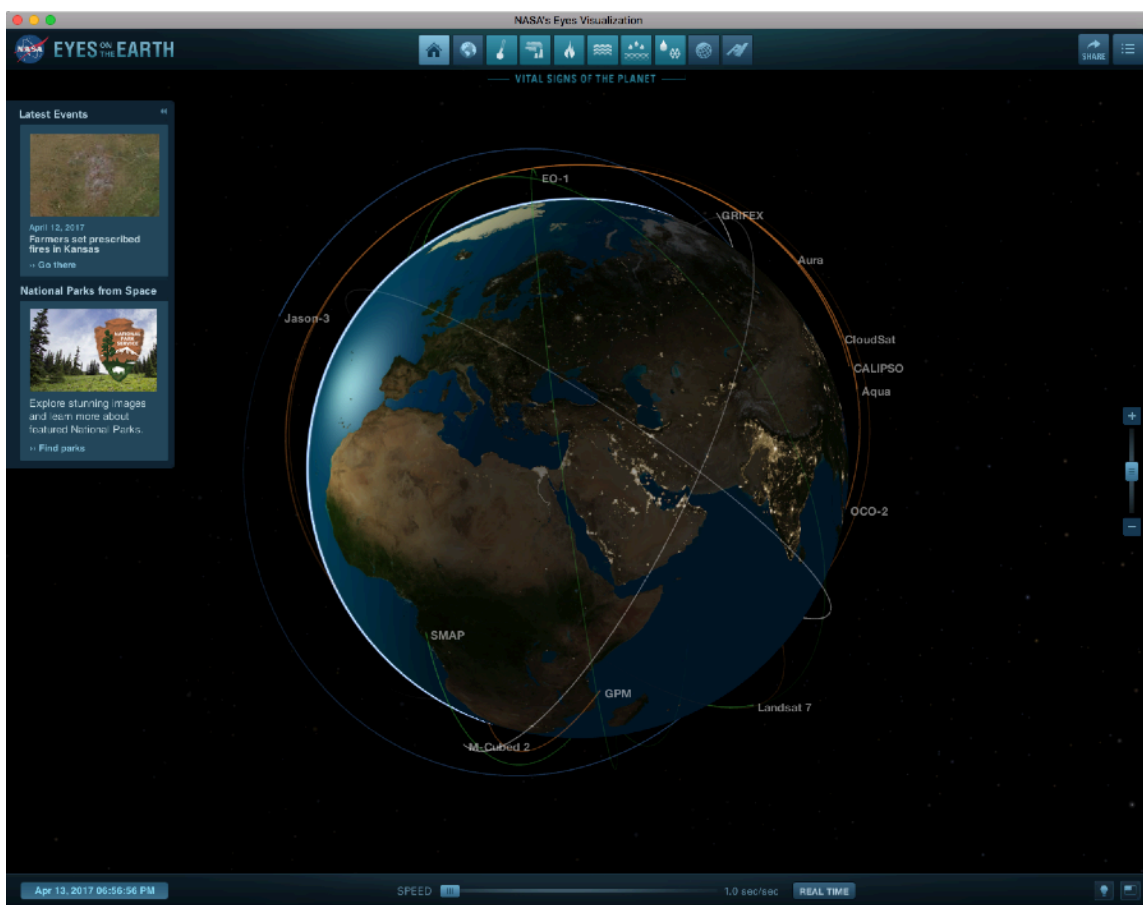
Websites:

Download desktop app for full features: <http://eyes.nasa.gov/eyes-on-the-earth.html>

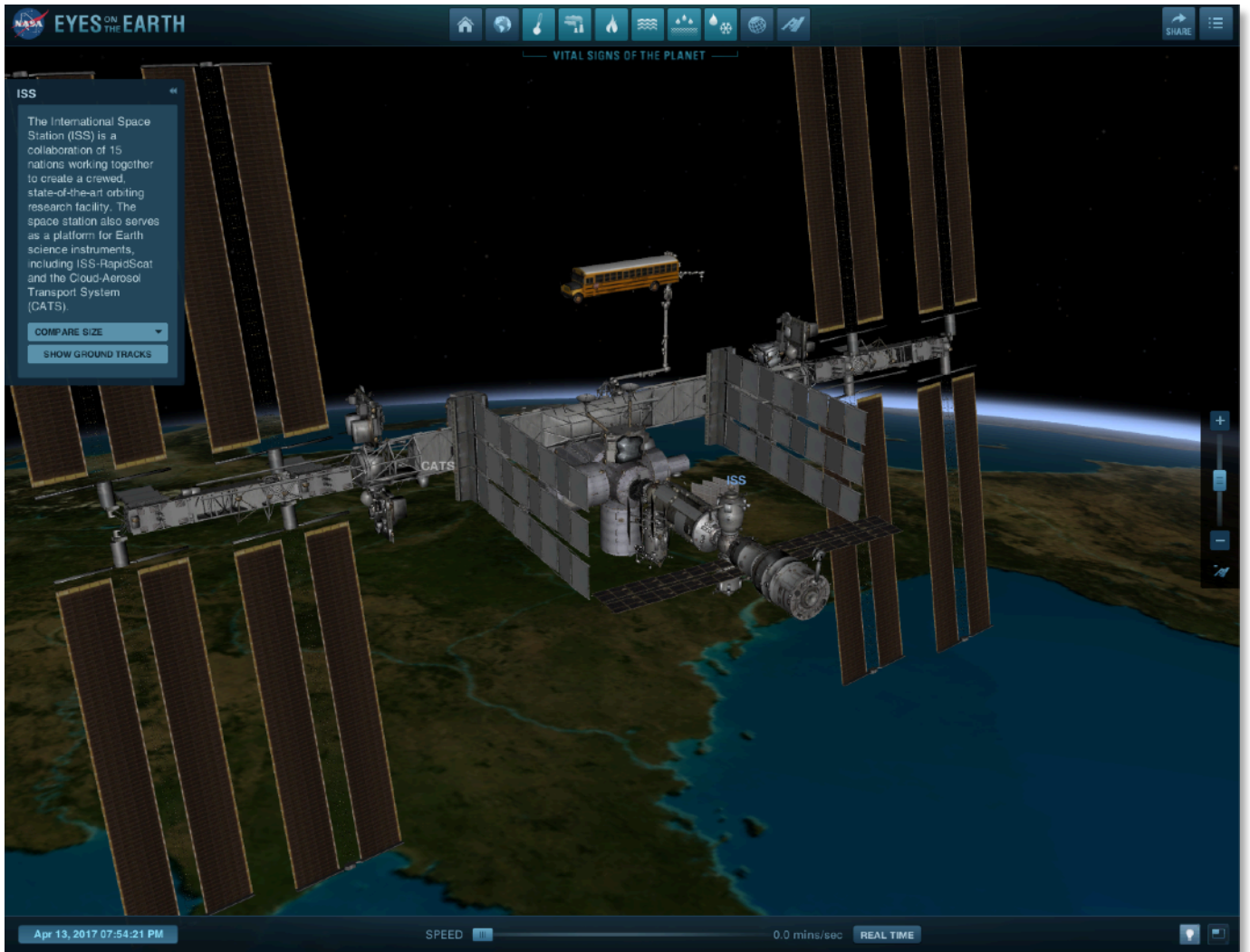
[Download Android app](#) called *Earth Now* with similar features

[Download iOS app](#) called *Earth Now* with similar features

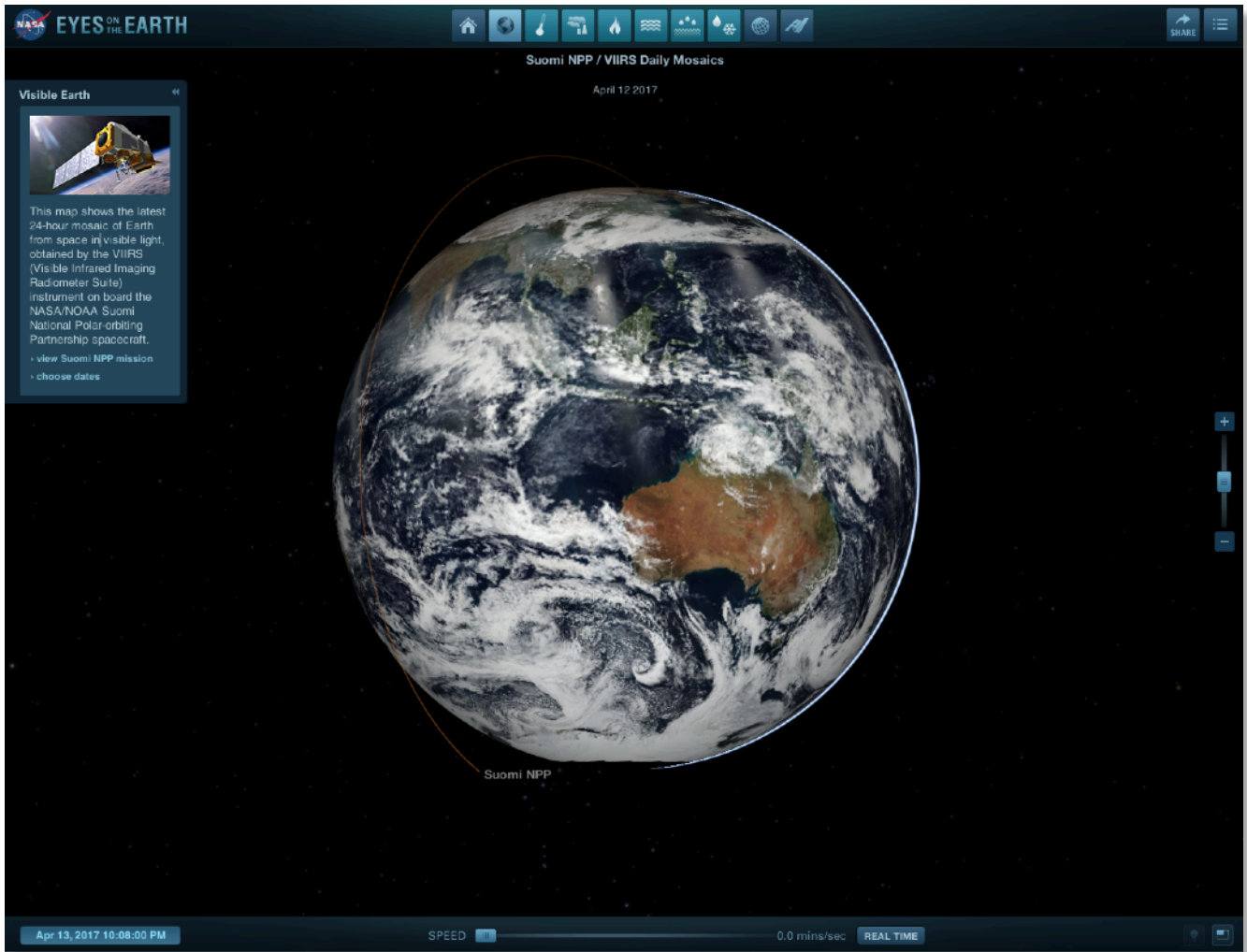
Screenshots:



Satellites



3D model of ISS



Visible Earth in the last 24 hours

1.3 World View

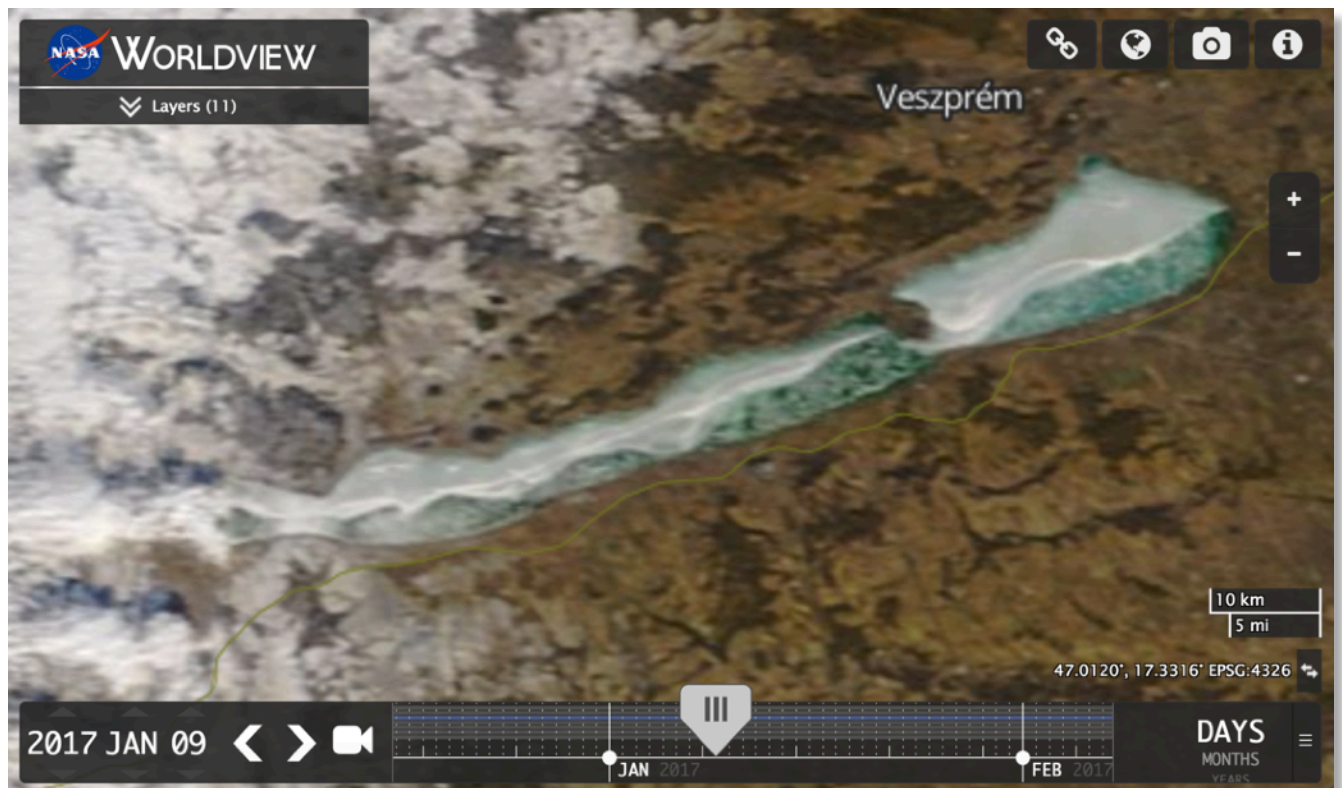
Things to see here:

- Browse the latest, global, **full-resolution satellite imagery** (taken within 3 hours)
- Browse **historical daily imagery** (back to 2010)
- Add **layers** or data from satellites (for example fires and thermal anomalies)
- **Download** the underlying data
- Generate and **download gif animations** from selected frames

Website:

<https://worldview.earthdata.nasa.gov>

Screenshots:



Balaton on 09/Jan/2017



GIF of Balaton from 03. Jan. 2017 to 04. Feb. 2017

2. Solar System

2.1. Solar System Scope

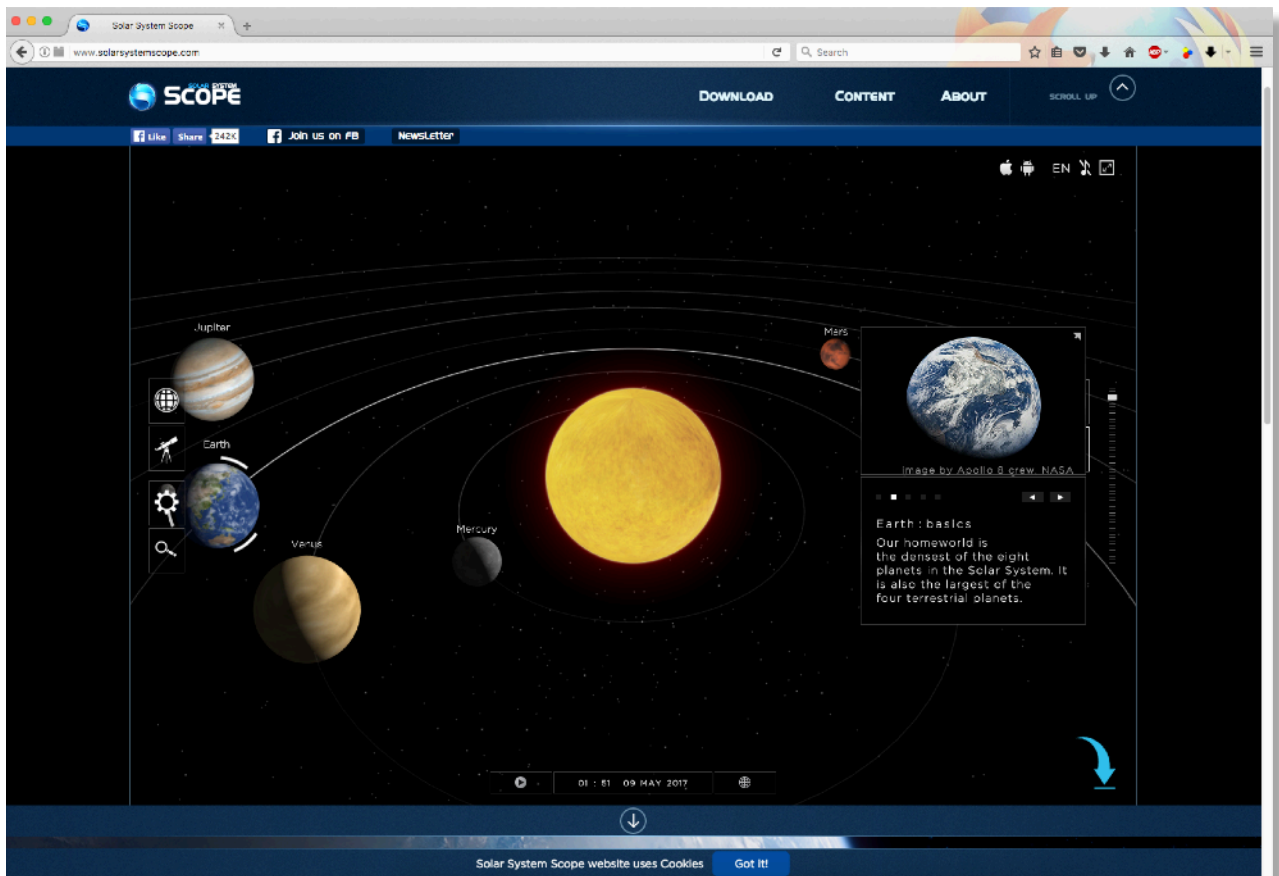
Things to see here:

- **Solar System** model animated in real time.
- **Constellations** seen from Earth.
- **Comets, dwarf planets, major stars**

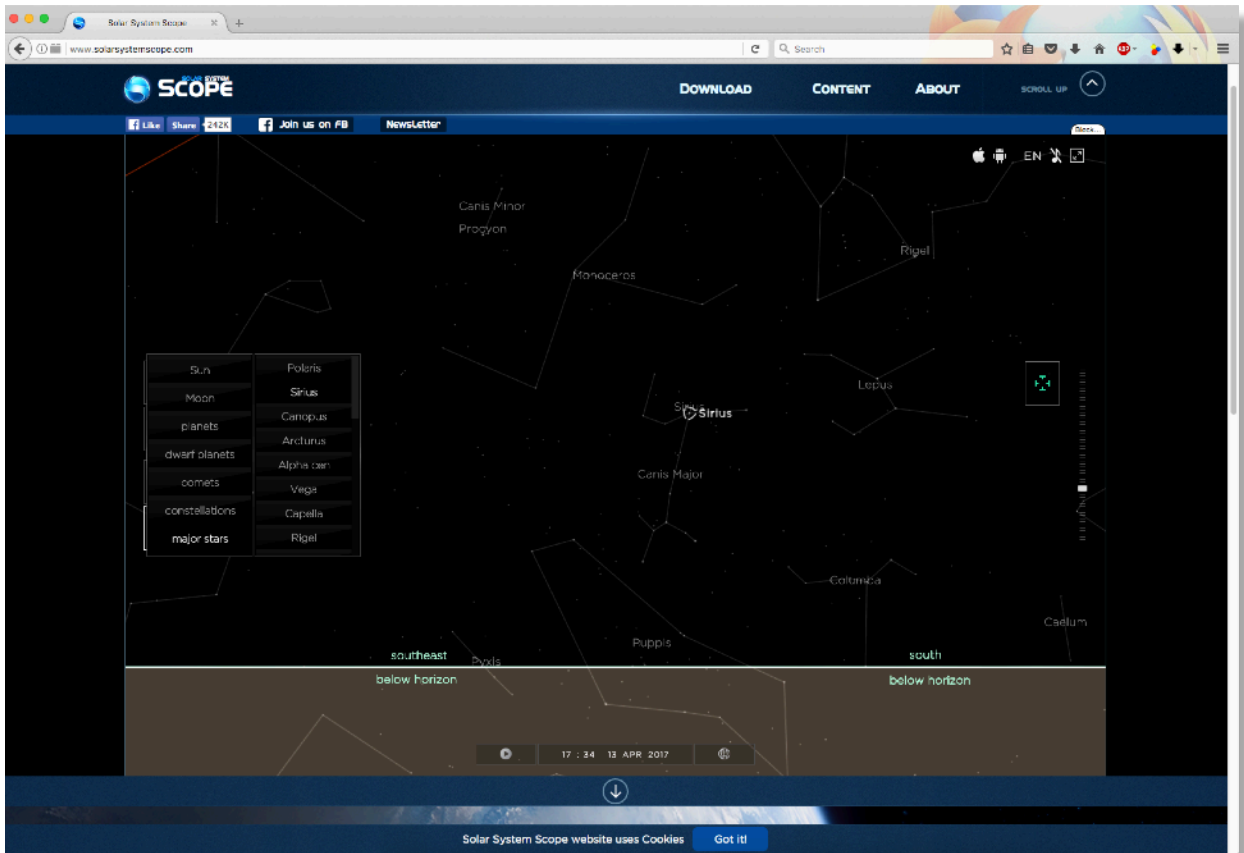
Website:

<http://www.solarsystemscope.com/>

Screenshots:



Solar System



Sirius and constellations

2.2 NASA space mission sounds

Things to hear here:

- Collection of NASA sounds from historic spaceflights and current missions

Website:

- <https://soundcloud.com/nasa/sets>

3. Planets

3.1. Experience Curiosity

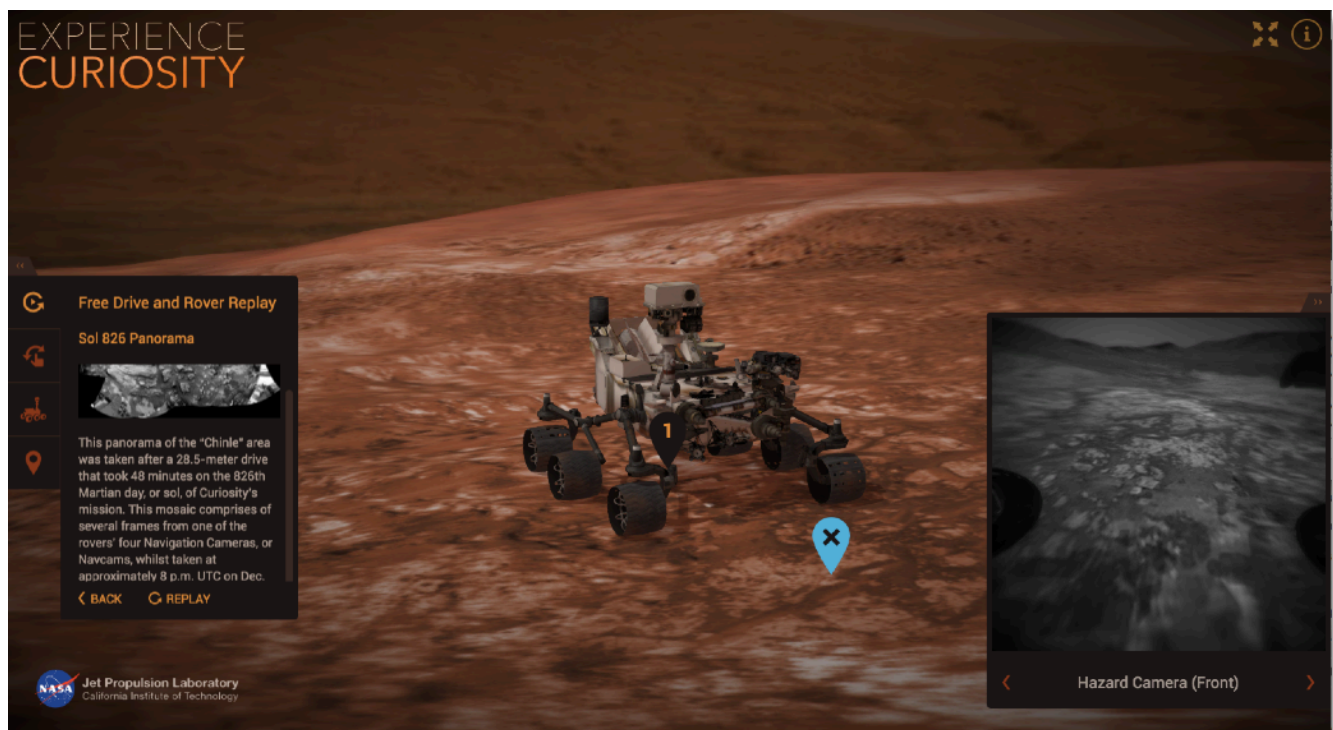
Things to see here:

- 3D model of the **Curiosity rover on Mars**
- Read and learn about the **rover's parts**
- **Replay animations** of some of its tasks

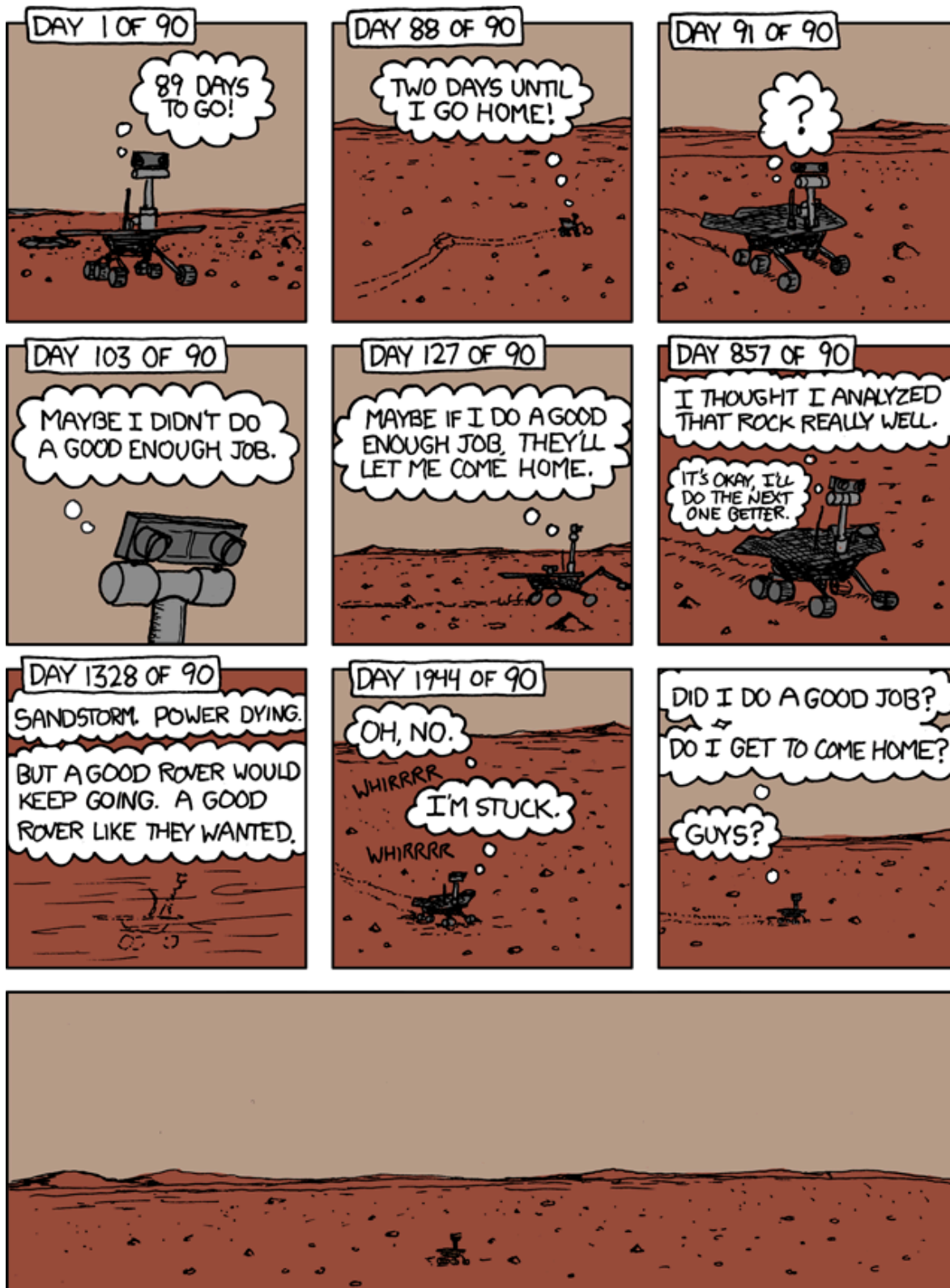
Website:

<http://eyes.nasa.gov/curiosity/>

Screenshots:



Curiosity on Mars



<https://xkcd.com/695/>

3.2 Eyes on Exoplanets

Things to see here:

- **3D universe** showing more than a thousand nearby stars and exoplanets
- **Updated daily** with the latest finds
- Find out the **time it would take to travel** to each planetary system
- Display **habitable zone** around the stars

Websites:

Download desktop app for full features: <http://eyes.nasa.gov/eyes-on-exoplanets.html>

Screenshot:



The closest exoplanet to Earth