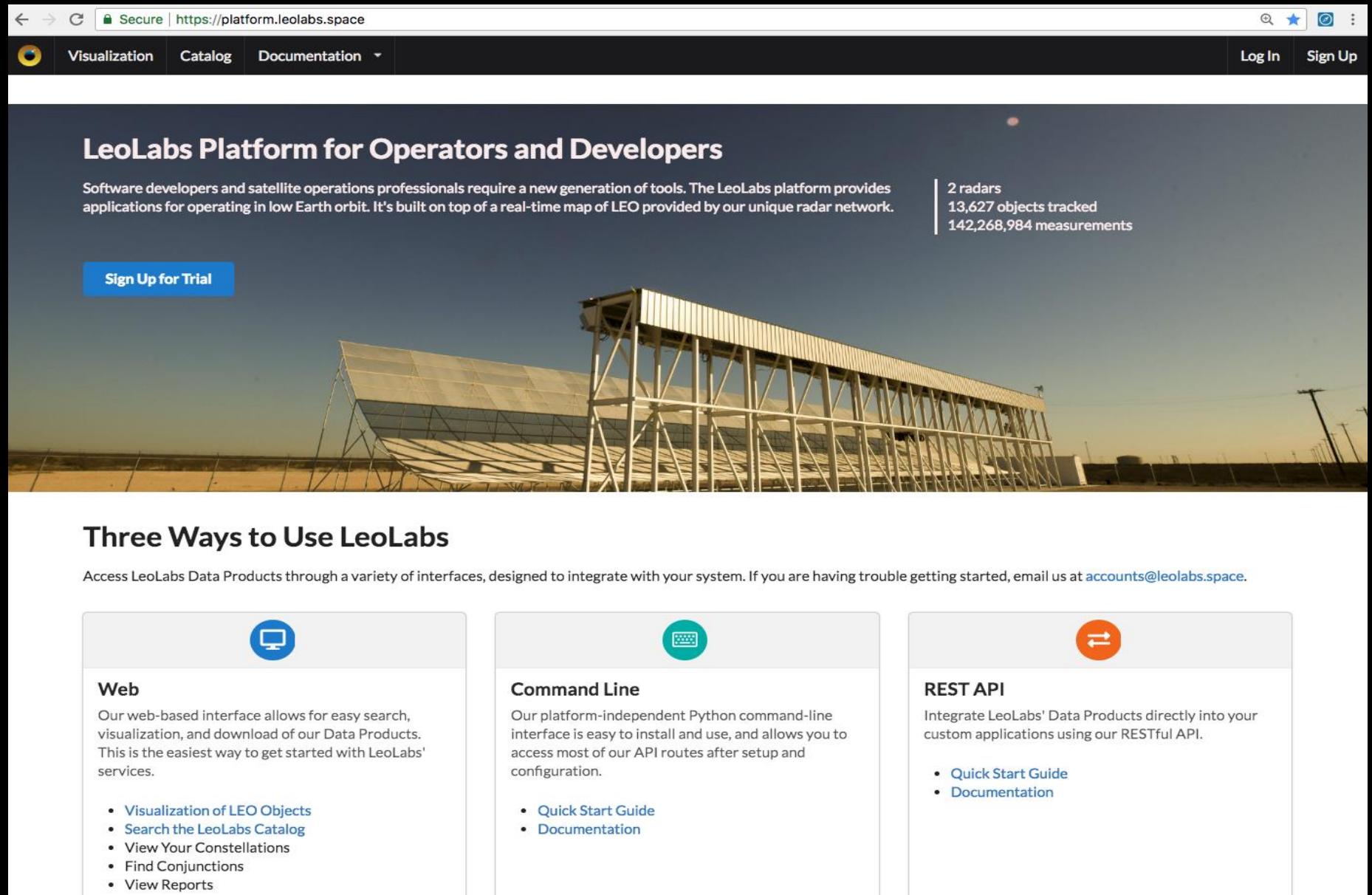




Global Phased Array Network

- ✓ Observations for accurate orbits and mapping of LEO
- ✓ Distributed, global network:
 - ✓ Resilient
 - ✓ Provides frequent updates
 - ✓ Delivers actionable insights
- ✓ Small debris capability available in 2019
- ✓ Small debris tracking unlocks visibility to the remaining 95% of collision risk

Analytics & Mapping Platform (platform.leolabs.space)



Secure | <https://platform.leolabs.space>

Visualization Catalog Documentation Log In Sign Up

LeoLabs Platform for Operators and Developers

Software developers and satellite operations professionals require a new generation of tools. The LeoLabs platform provides applications for operating in low Earth orbit. It's built on top of a real-time map of LEO provided by our unique radar network.

2 radars
13,627 objects tracked
142,268,984 measurements

[Sign Up for Trial](#)

Three Ways to Use LeoLabs

Access LeoLabs Data Products through a variety of interfaces, designed to integrate with your system. If you are having trouble getting started, email us at accounts@leolabs.space.

Web

Our web-based interface allows for easy search, visualization, and download of our Data Products. This is the easiest way to get started with LeoLabs' services.

- [Visualization of LEO Objects](#)
- [Search the LeoLabs Catalog](#)
- [View Your Constellations](#)
- [Find Conjunctions](#)
- [View Reports](#)

Command Line

Our platform-independent Python command-line interface is easy to install and use, and allows you to access most of our API routes after setup and configuration.

- [Quick Start Guide](#)
- [Documentation](#)

REST API

Integrate LeoLabs' Data Products directly into your custom applications using our RESTful API.

- [Quick Start Guide](#)
- [Documentation](#)



Analytics and Mapping Services

- Actionable data for
 - Satellite operators
 - Public sector space agencies
 - Risk management industry
- Planned passes, covariances, propagated orbits
- Accessible via API, dashboards, subscription
- Delivered under commercial SLA terms

Documentation

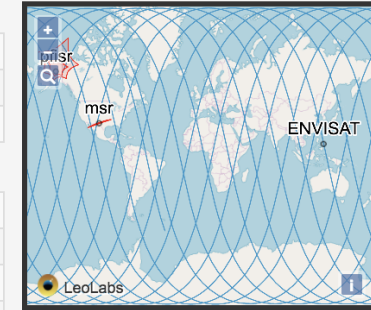
- CLI Documentation
- CLI Quick Start
- API Documentation
- API Quick Start

User
alan@leolabs.space

- User Profile
- API Keys
- Reports

General Info

Name	ENVISAT
Catalog Number	L335
NORAD ID	27386



Orbit Info

Perigee	764 km
Apogee	766 km
Inclination	98°
Period	100 min

Available Data

Value	All Time	Last Month	Last Week	Last Day
Measurements	24778	1159	494	91
Observed Passes	698	31	13	3
State Vectors	397	10	4	1

Next Planned Passes ⓘ

Time	Instrument	Detection Probability
2018-04-20 15:16 UTC	msr	66%
2018-04-20 18:25 UTC	pfisr	100%
2018-04-21 02:25 UTC	msr	66%

Recent State Vectors ⓘ

Select API Key to Download Information: d2PIjINMoJaUM-L5 (Demo ▾)

Id	Epoch	RMS Error at Epoch	Propagations	TLE	Propagate
1070853	2018-04-18 02:37:06	60 m	-1 to +7 days	Download	Propagate
1067370	2018-04-16 19:16:07	9 m	-1 to +7 days	Download	Propagate
1063245	2018-04-15 15:01:54	19 m	-1 to +7 days	Download	Propagate
1060879	2018-04-14 03:37:02	23 m	-1 to +7 days	Download	Propagate
1053878	2018-04-12 02:59:12	55 m	-1 to +7 days	Download	Propagate
1048337	2018-04-10 04:24:54	12 m	-1 to +7 days	Download	Propagate
1042058	2018-04-07 14:58:27	67 m	-1 to +7 days	Download	Propagate

Downloads

(All times in UTC)

Start Time: 2018-03-20T11:16:35 📅

End Time: 2018-04-20T11:16:35 📅

[Measurements](#) [State Vectors](#) [Planned Passes](#)



LEO Debris and Satellites

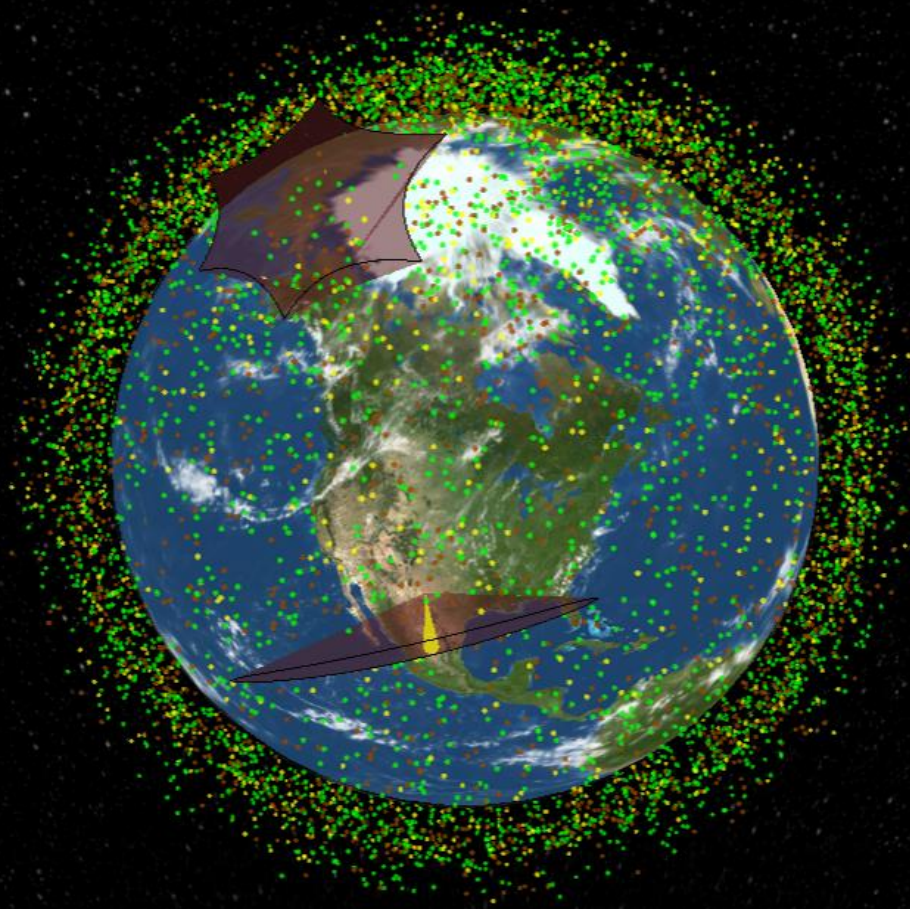
Full-window version

search

Open Controls

Key

- Tracked in the last day
- Tracked in the last week
- Untracked in the last week



2018-08-09 10:57 UTC
12978 objects displayed

Commercial SaaS Delivery Model



Common Data informing LEO Applications & Services

LeoLabs management team



Daniel Ceperley, PhD
CEO & co-founder.

Previously:

Program director
for satellite tracking
Director of the
Allen Telescope
Array



Michael Nicolls, PhD
CTO & co-founder.

Previously:

PhD radar scientist
Principal
Investigator at
PFISR



Edward Lu, PhD
**VP of Strategic Projects
& co-founder.**

Previously:

NASA astronaut
Google Advanced
Projects Team



John Buonocore
**Principal Engineer & co-
founder.**

Previously:

Radar hardware
engineer
Cubesat RF payload
designer



Alan DeClerck
**VP of Business
Development.**

Previously:

Sun Microsystems
Liquid Robotics



Thomas Ingersoll
Advisor.

Previously:

CEO of Skybox
CEO of Universal
Space Network

Summary

- **A commercial revolution is transforming LEO**
 - Many more satellites
 - New governments fostering and regulating space activities
 - More requirements to address risk and support services
- **LeoLabs executing rapidly on our goals**
 - Matured from a team of radar experts to a SaaS business
 - Grew revenue ahead of plan since founding in 2016
 - Built the Midland Space Radar in 6 months, small debris in 2019
 - Introduced first commercial platform for LEO analytics
- **Securing our growth, building the future**
 - Executing on global radar network
 - Rollout the SaaS services roadmap
 - Series A announced July 2018



Inform, Serve, Secure LEO

Platform for SSA and Constellation Management