NASA Hackathon 2023

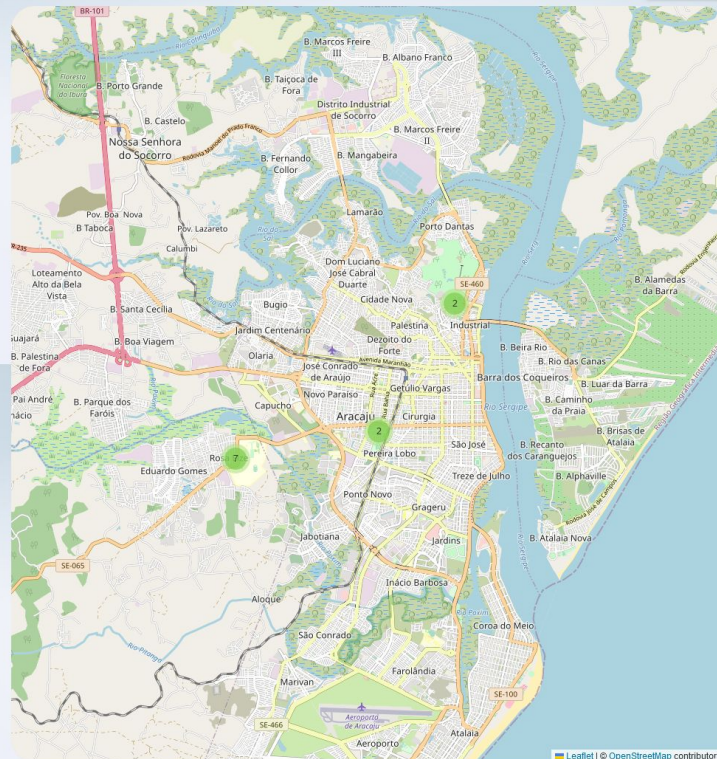## Aracaju in NASA

João Vítor Silva Ferreira

NASA in Your Neighborhood

Satellites can tell us a lot about the Earth system. We can learn about air quality, water quality, tree canopy, and even urban heat from the vantage point of space. This information is even more powerful when combined with information about people living on the ground. Your challenge is to look around your neighborhood or town and formulate a question about how the environment and humans are related, research the question using data from NASA satellites and information about people, and present your findings in a creative way.
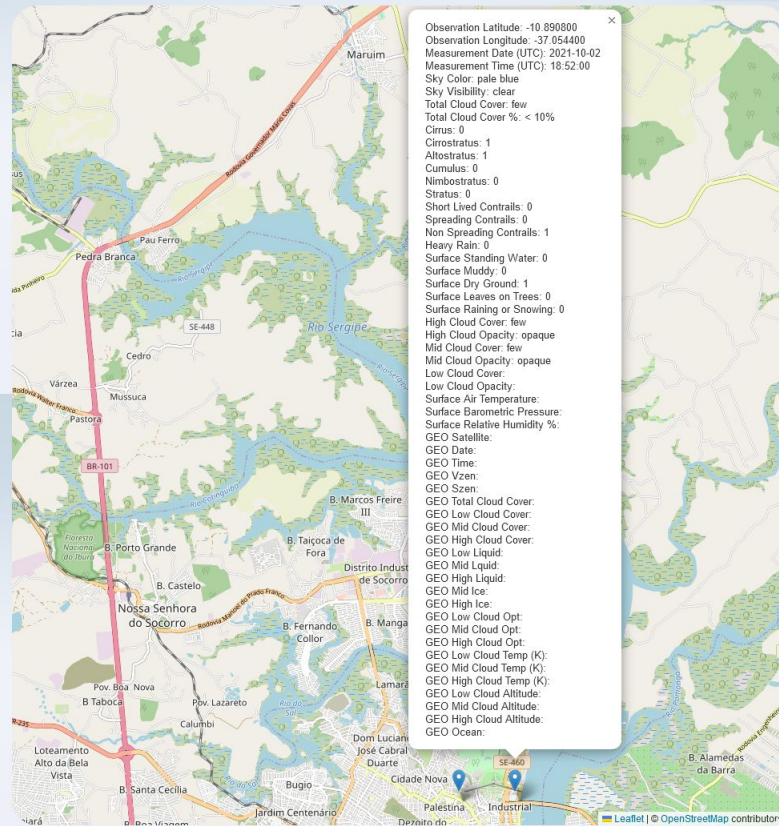
Application

AjuStats

Resetar visão

jjoaovitor7

AjuStats

Resetar visão

Observation Latitude: -10.890800
Observation Longitude: -37.054400
Measurement Date (UTC): 2021-10-02
Measurement Time (UTC): 18:52:00
Sky Color: pale blue
Sky Visibility: clear
Total Cloud Cover: few
Total Cloud Cover %: < 10%
Cirrus: 0
Cirrostratus: 1
Altostratus: 1
Cumulus: 0
Nimbostratus: 0
Stratus: 0
Short Lived Contrails: 0
Spreading Contrails: 0
Non Spreading Contrails: 1
Heavy Rain: 0
Surface Standing Water: 0
Surface Muddy: 0
Surface Dry Ground: 1
Surface Leaves on Trees: 0
Surface Raining or Snowing: 0
High Cloud Cover: few
High Cloud Opacity: opaque
Mid Cloud Cover: few
Mid Cloud Opacity: opaque
Low Cloud Cover:
Low Cloud Opacity:
Surface Air Temperature:
Surface Barometric Pressure:
Surface Relative Humidity %:
GEO Satellite:
GEO Date:
GEO Time:
GEO Vzen:
GEO Szen:
GEO Total Cloud Cover:
GEO Low Cloud Cover:
GEO Mid Cloud Cover:
GEO High Cloud Cover:
GEO Low Liquid:
GEO Mid Lquid:
GEO High Liquid:
GEO Mid Ice:
GEO High Ice:
GEO Low Cloud Opt:
GEO Mid Cloud Opt:
GEO High Cloud Opt:
GEO Low Cloud Temp (K):
GEO Mid Cloud Temp (K):
GEO High Cloud Temp (K):
GEO Low Cloud Altitude:
GEO Mid Cloud Altitude:
GEO High Cloud Altitude:
GEO Ocean:

Leaflet | © OpenStreetMap contributors

jjoaovitor7

AjuStats

Sobre

Olá, este é um projeto que foi desenvolvido durante o Nasa International Space Apps Challenge (NISAC) em 48h pelo usuário jjoaovitor7.

World View
https://worldview.earthdata.nasa.gov/?v=-38.575232421875,-11.6266072265625,-35.573767578125,-10.1917927734375&s=-37.0745,-10.9092&t=2023-10-07-T13%3A02%3A31Z

Dados retirados do GLOBE
https://observer.globe.gov/get-data/clouds-data

jjoaovitor7