SPACE APPS TO 2019

STRATOSCI

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Team

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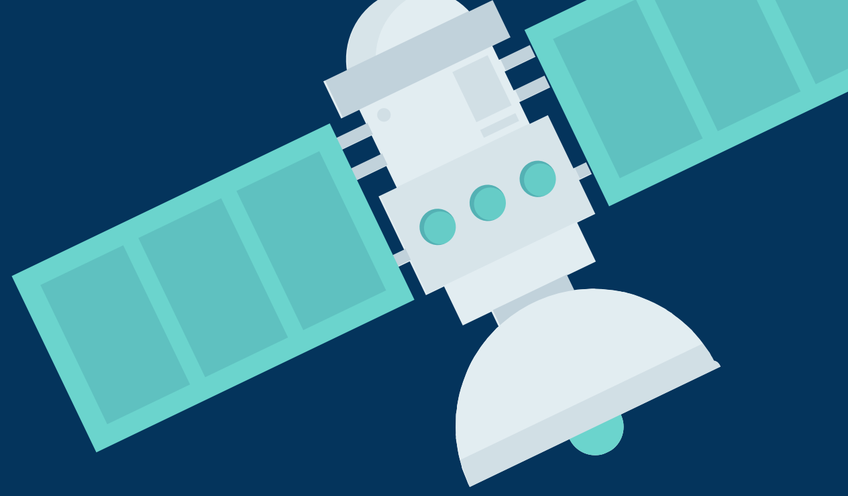
Task

STRATOS - CSA

CSA needs a web tool (API type) combining the telemetry data and images collected during the stratospheric balloon flight making them easy and intuitive to view/consult for scientists, the general public, kids, etc.



Steps in Developing Your Solution

CLEAR

A GUI that requires no tutorial and is easy to use for all age ranges

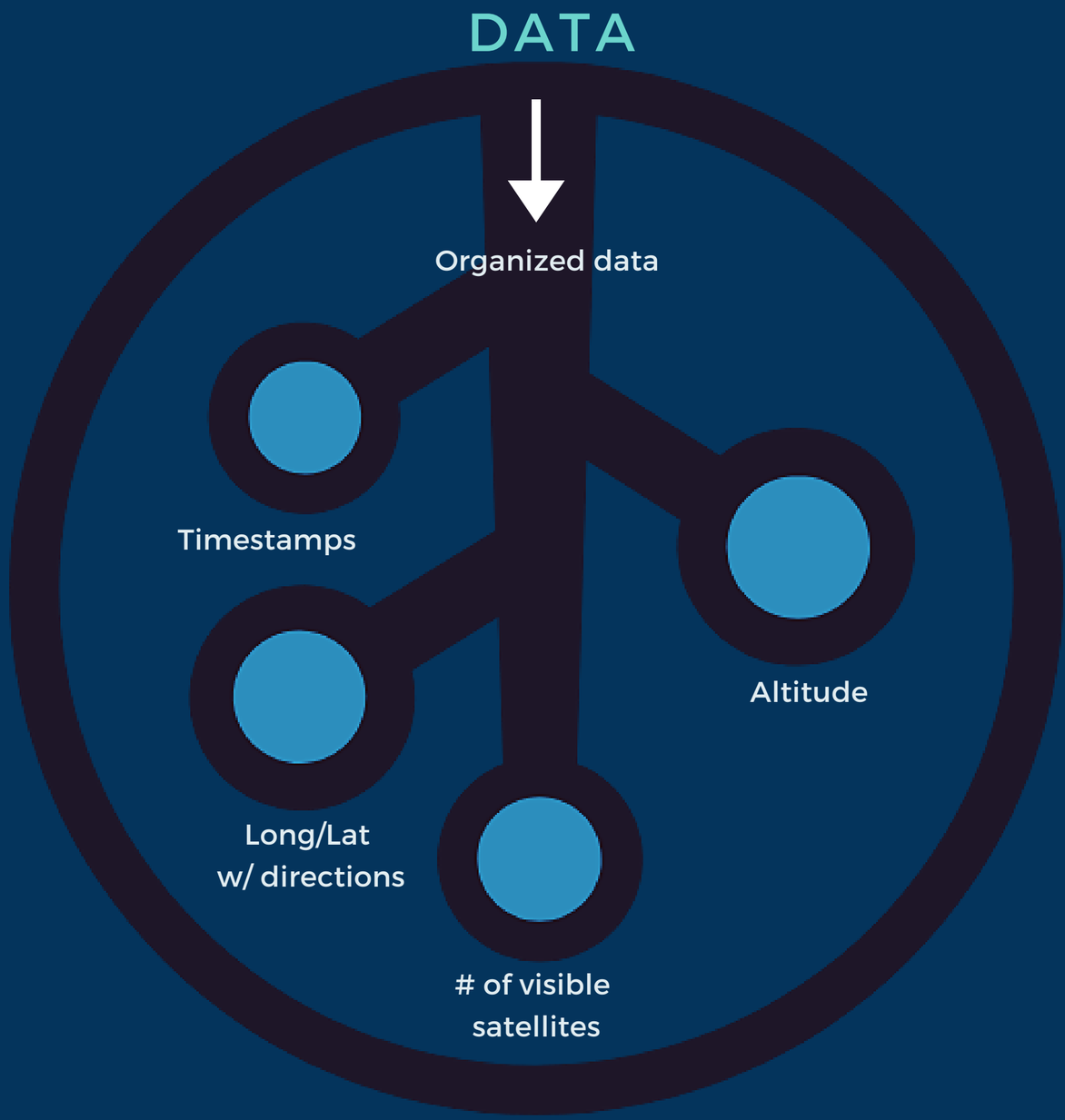
EFFICIENT

A backend that quickly cleans up and organizes data for display

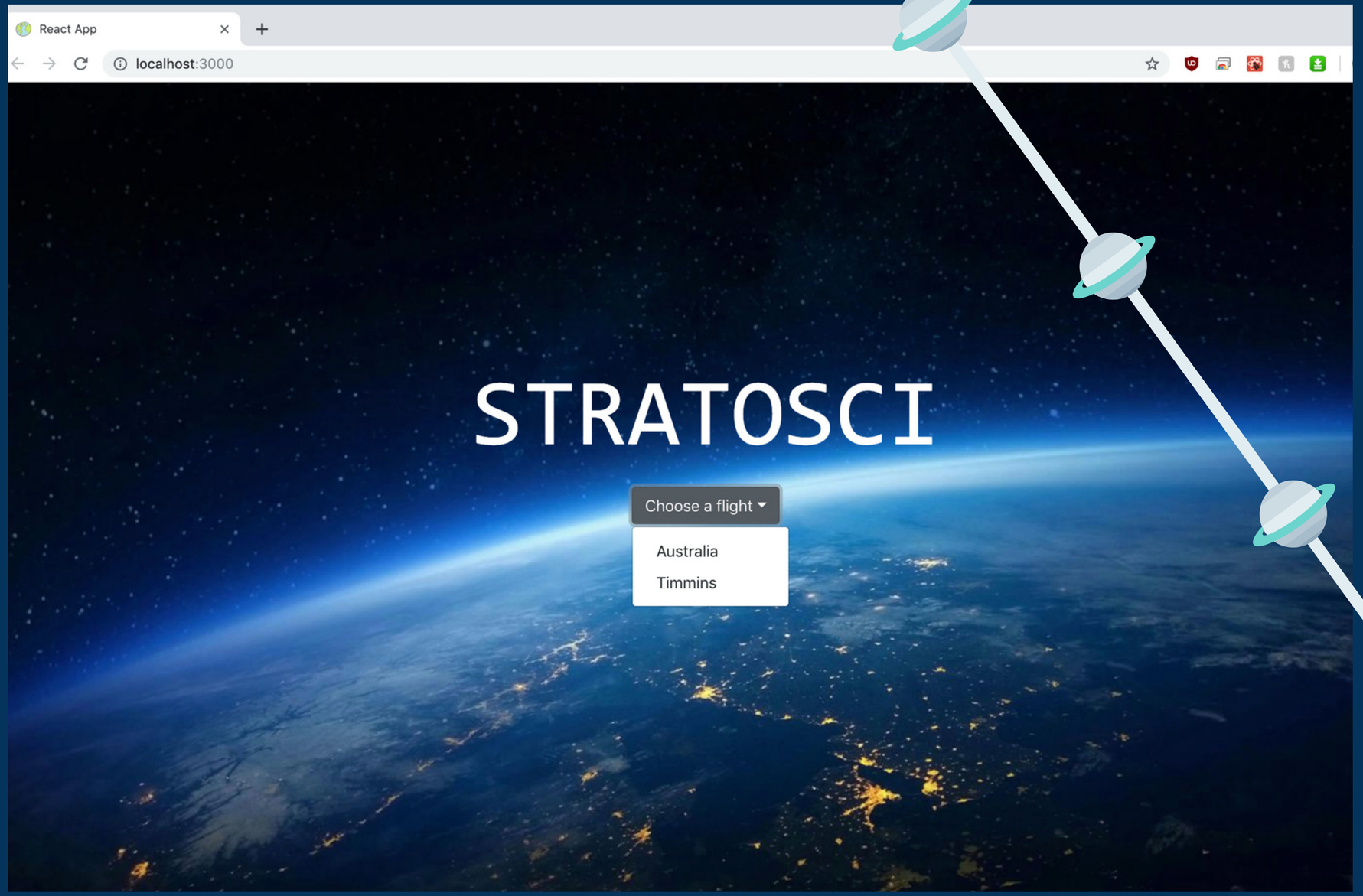
AESTHETIC

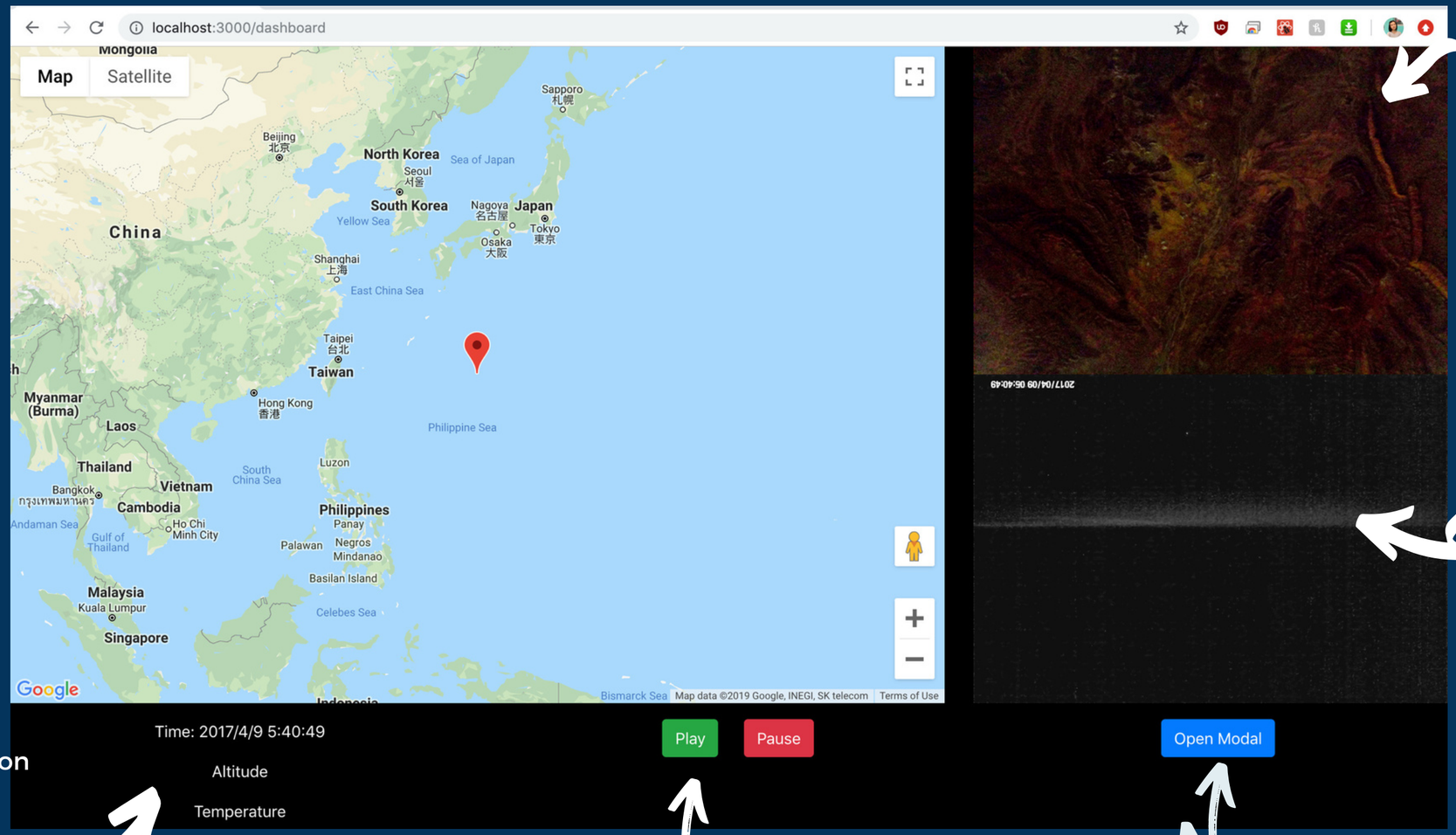
An environment that is pleasant to work in & contributes to user's understanding

back end,
data cleanup



front end,
user pathway





GPS Tracking of 2-D coordiations (x, y)

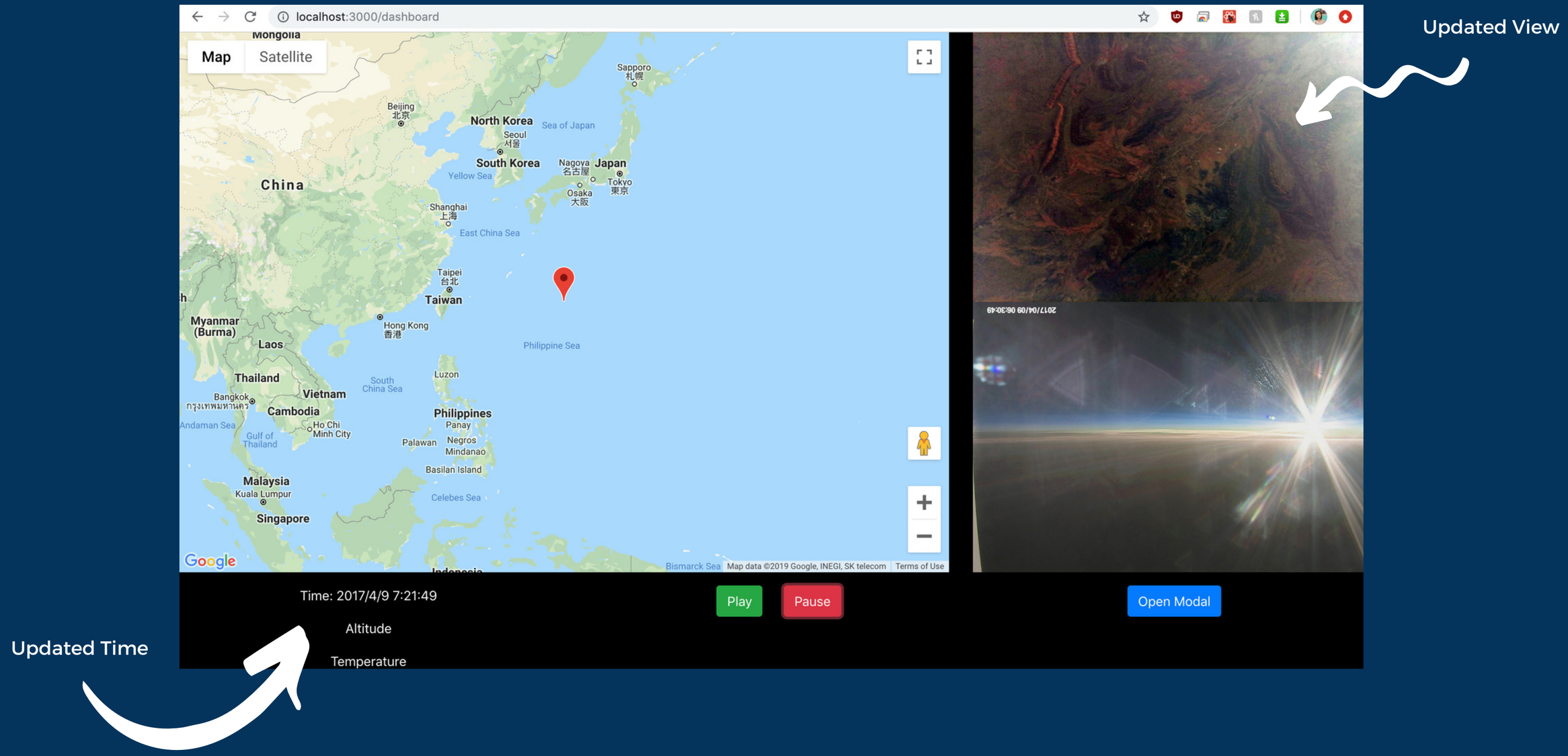
(most current) NADIR Photo

(most current) Horizon Photo

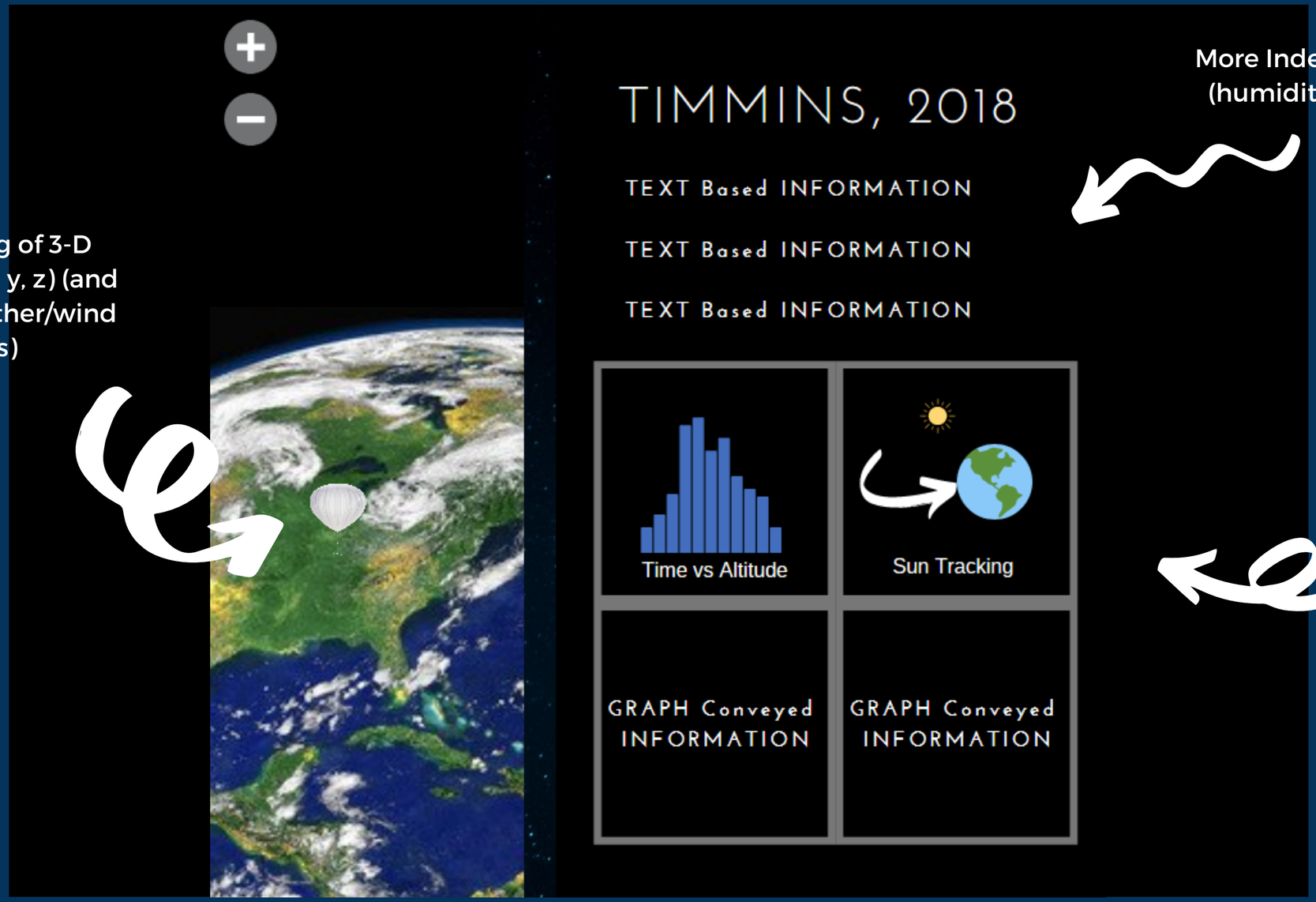
Brief Information Overview

Play/Pause Feature

Indepth Overview Popup


Updated View
Updated Time
localhost:3000/dashboard
Map
Satellite
Mongolia
Beijing
北京
North Korea
Sea of Japan
Seoul
서울
South Korea
Yellow Sea
China
Nagoya
名古屋
Japan
Tokyo
東京
Osaka
大阪
Sapporo
札幌
Shanghai
上海
East China Sea
Taipei
台北
Taiwan
Hong Kong
香港
Myanmar
(Burma)
Laos
Thailand
Bangkok
กรุงเทพมหานคร
Vietnam
Cambodia
Ho Chi
Minh City
Andaman Sea
Gulf of
Thailand
South
China Sea
Philippine Sea
Luzon
Philippines
Panay
Palawan
Negros
Mindanao
Basilan Island
Celebes Sea
Malaysia
Kuala Lumpur
Singapore
Google
Bismarck Sea
Map data ©2019 Google, INEGI, SK telecom
Terms of Use
2017/04/09 06:30:49
Time: 2017/4/9 7:21:49
Altitude
Temperature
Play
Pause
Open Modal

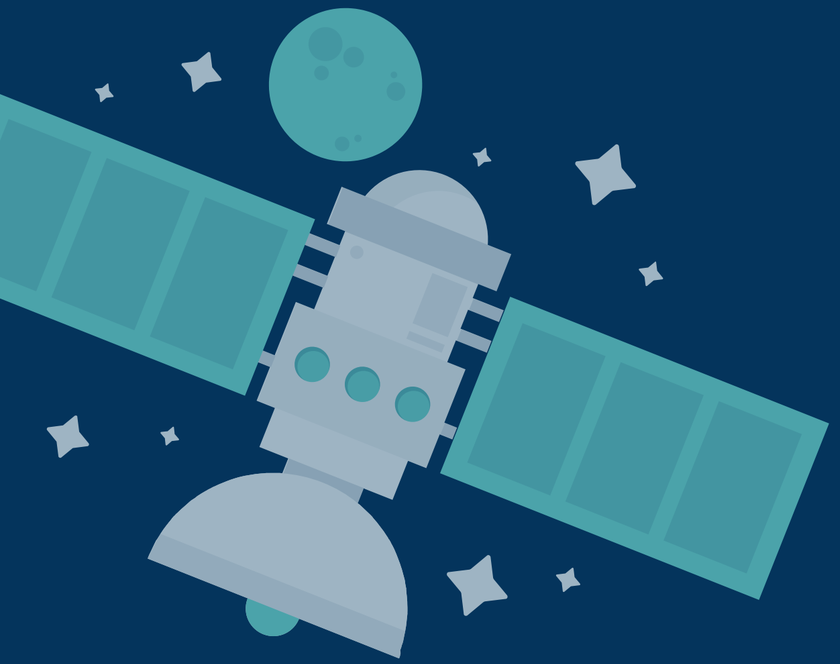
GPS Tracking of 3-D coordinates (x, y, z) (and potential weather/wind reports)



More Indepth Information (humidity, pressure etc.)

Graphical representations of information that is hard to grasph text-based

WHAT SETS US APART



CUSTOMIZATION

This API can easily be customized to fit the needs of higher and lower level users (e.g. scientists vs children)

LIVE STREAMING

Users would be able to open the program at any time to view real time photos, maps and graphs

SIMPLE

Despite the magnitude of information, it is all simply conveyed

Thanks for watching!

Have any questions or suggestions?