**Visualisation Ideas (Alina)**

1. EARTH: lerp through satellite images to create endless earth imagery

<https://api.nasa.gov/assets/img/general/houston_2.png>

1. EARTH and EOSDIS: earth is increasingly underwater (climate change data)

<https://api.nasa.gov/assets/img/general/houston_2.png>

1. EPIC and EOSDIS: earth (ascii  user cam if access allowed) on fire (climate change data)

<https://www.instagram.com/p/C3HBTgPthr3/>

<https://api.nasa.gov/EPIC/archive/natural/2019/05/30/png/epic_1b_20190530011359.png?api_key=DEMO_KEY>

1. Mars Rover Photos and Vesta/Moon/Mars Trek WMTS: constant colour lerping dusk/dawn (pull colour information from images)

<https://www.instagram.com/p/C2xjVRVrZAu/>

1. Insight and EOSDIS: map mars and earth weather as shifting colours against horizon (climate change data)

<https://threejs.org/examples/#webgl_geometry_dynamic>

1. Satellite Situation Center, SSD/CNEOS CAD, TLE API, Asteroids - NeoWs: map locations of near earth satellites and asteroids (user select objects and date range)

<https://ssd-api.jpl.nasa.gov/doc/cad.html>

<https://www.instagram.com/p/C2nnfuqsPwQ/>

1. Exoplanet Mission and ExoCat Stars: map locations of mission and exocat stars relative to earth (user select stars and date range)

<https://exoplanetarchive.ipac.caltech.edu/docs/program_interfaces.html#data>

<https://www.instagram.com/p/C2nnfuqsPwQ/>

1. APOD: lerp through galaxies (or other data) and zoom into stars infinitely for illusion of eternal depth

<https://www.instagram.com/p/C0h0RDAK4I-/>

<https://www.instagram.com/p/C0Hv_4_ryyy/>

1. APOD: overexpose star brightness and lerp or traverse through galaxies

<https://www.instagram.com/p/C1NQZi_O_8N/>

could def add overexpose and other filters / edits in buttons/sliders?

1. APOD: lerp or traverse or pixel mosh astronomy pictures of the day and divide them into dominant colour quadrants

<https://www.instagram.com/p/C2aXeWbMM03/>

1. **NASA Image and Video Library: user play with words (default text below, user select text document)**

[**https://images-api.nasa.gov/search?q=apollo+11...&page=2**](https://images-api.nasa.gov/search?q=apollo+11...&page=2) **(Lesser known stories of Apollo 11/collection.json)**

[**https://www.instagram.com/p/C22pctutA3q/**](https://www.instagram.com/p/C22pctutA3q/)

**Data: .txt**

**Input: mouse-location**

**Alg: distort display**

1. APOD, Earth, EPIC, Mars Rover Photos, NASA Image and Video Library, Mars Rover Photos, Vesta/Moon/Mars Trek WMTS: user cut out stickers from photo database and create self-directed art

<https://www.instagram.com/p/C1NOJ-yI8h-/>