

Run the code with

Streamlit run 3d_ultimate.py

Paste the base path of the folders

Add a folder named Input with all files in it

Hit process

Once stacked.geojson is created

Open kepler.gl or run code -

```
import geopandas as gpd
from keplergl import KeplerGl
from IPython.display import display

# Load your GeoJSON file using GeoPandas
geojson_path =
r'C:\Users\srika\Dropbox\PC\Downloads\cyclone3Du\cyclone3D\Output\stacked.geoj
son'
gdf = gpd.read_file(geojson_path)

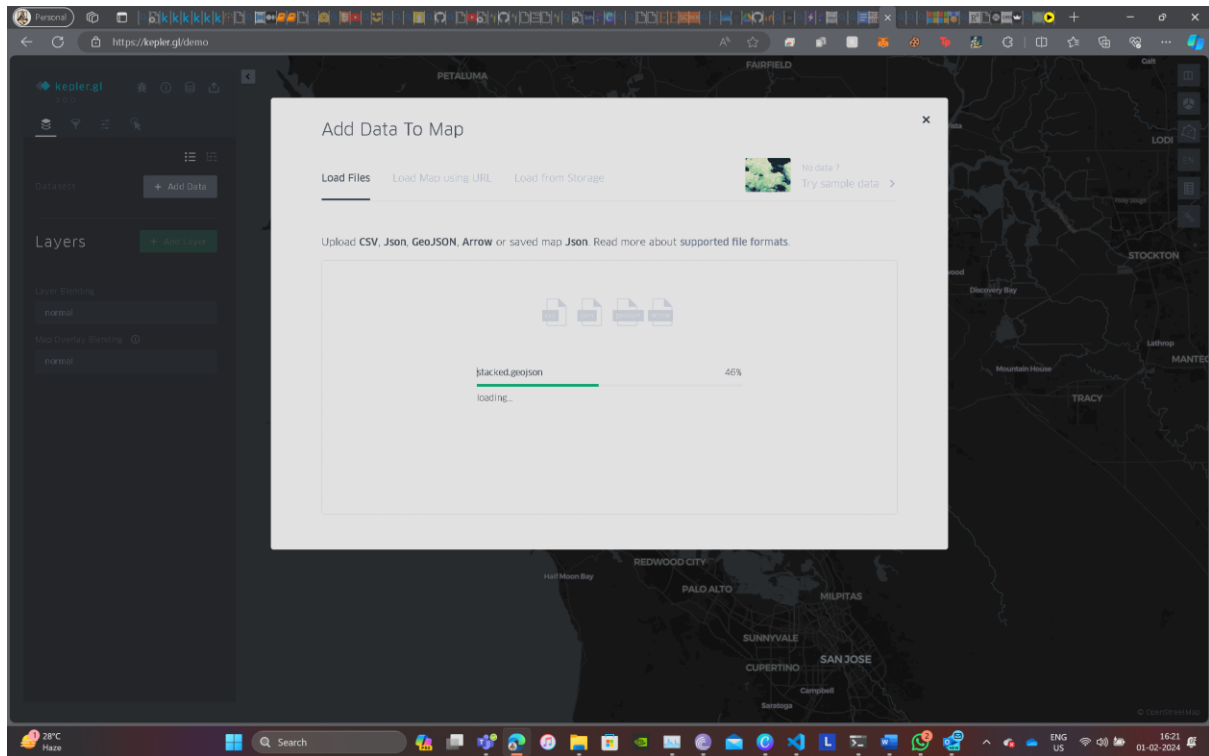
# Create a Kepler.gl map
map_1 = KeplerGl(height=600, data={"data_1": gdf})

# Configure the color scale (using the "visConfig" attribute)
color_config = {
    "colorScale": "viridis",
}

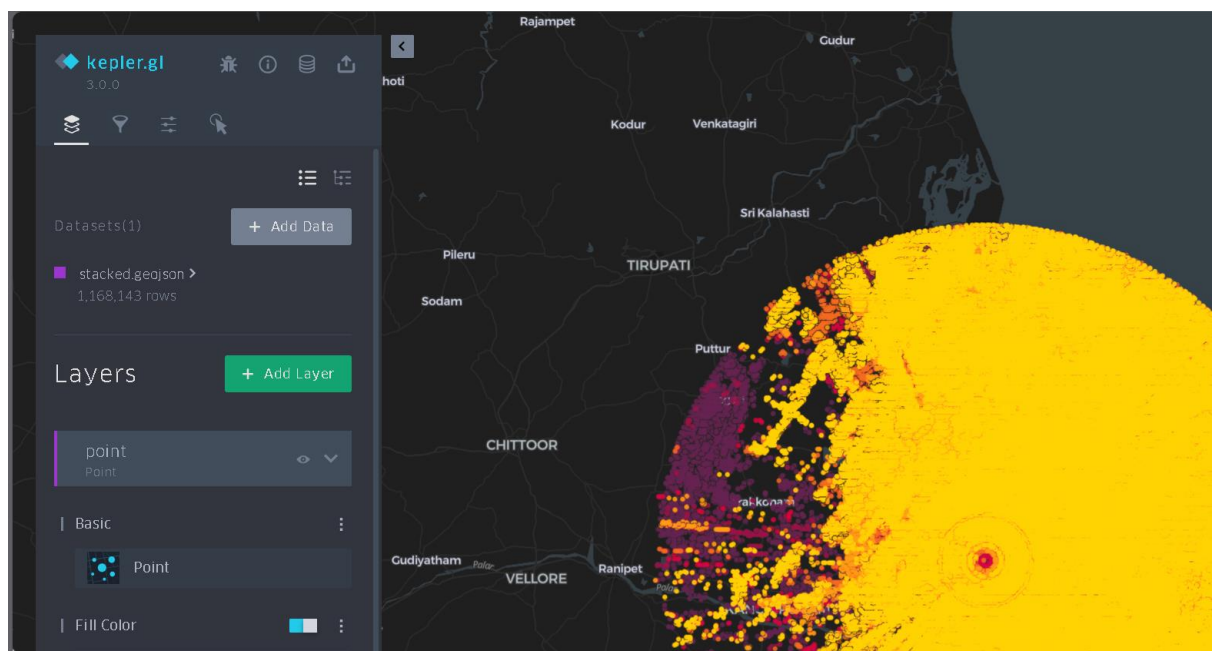
# Apply the color configuration to the Kepler.gl map
map_1.config = {
    "version": "v1",
    "config": {
        "visState": {
            "layers": [
                {
                    "config": color_config,
                }
            ]
        },
        "mapState": {"latitude": 0, "longitude": 0, "zoom": 2},
    },
}

# Display the map in Jupyter Lab
display(map_1)
```

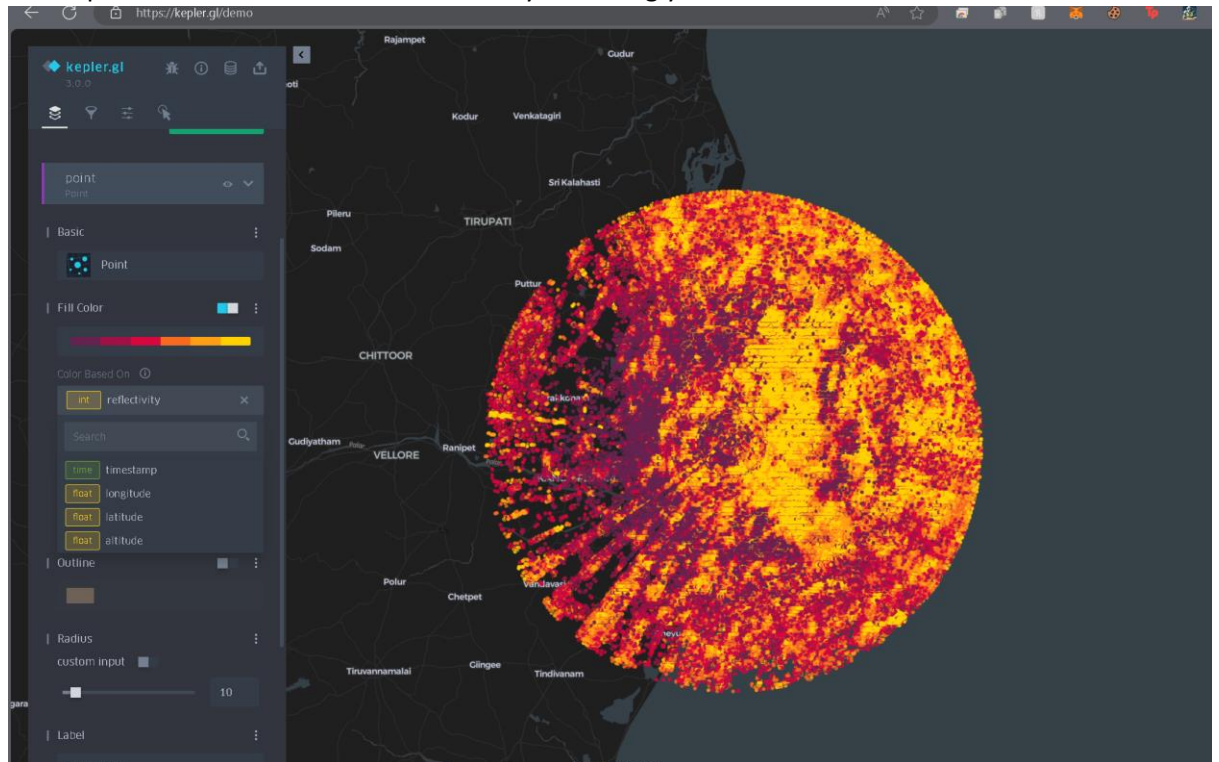
after visualizing the map



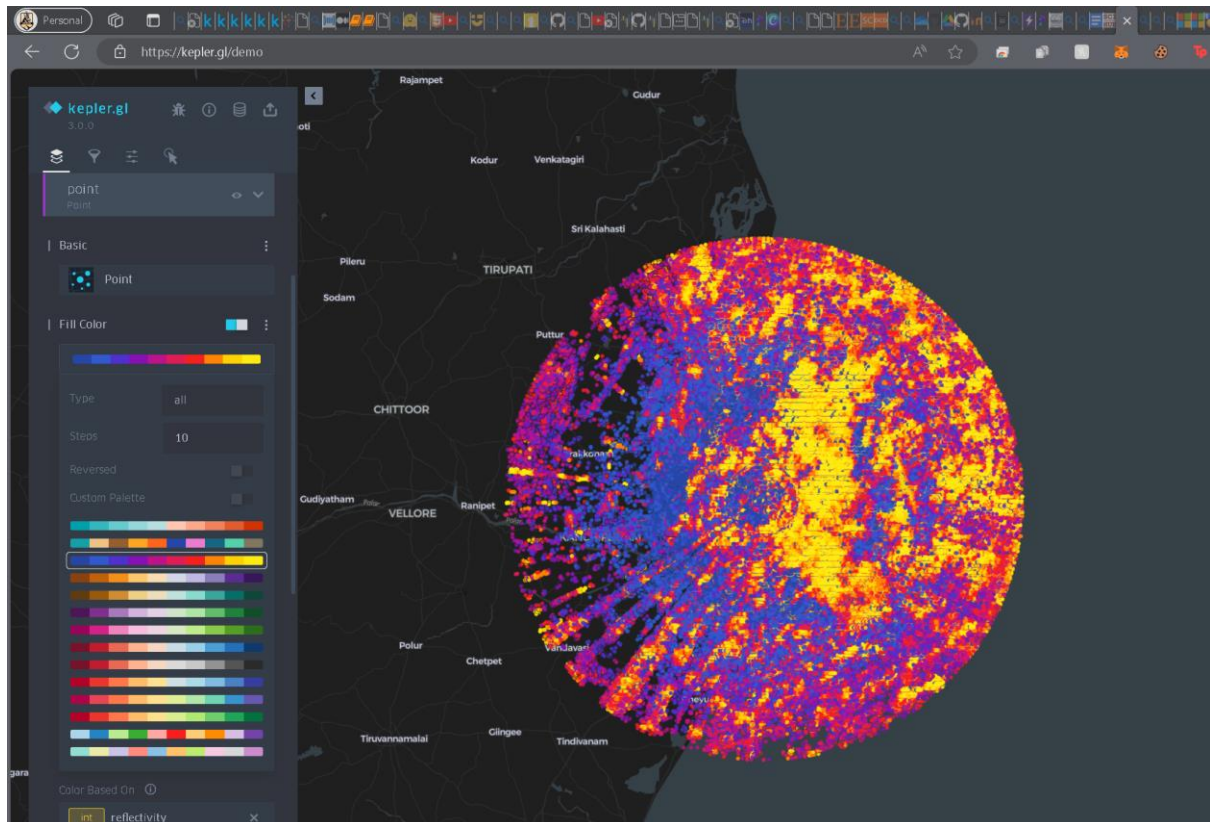
1. Hide geojson layer and let point layer only to show



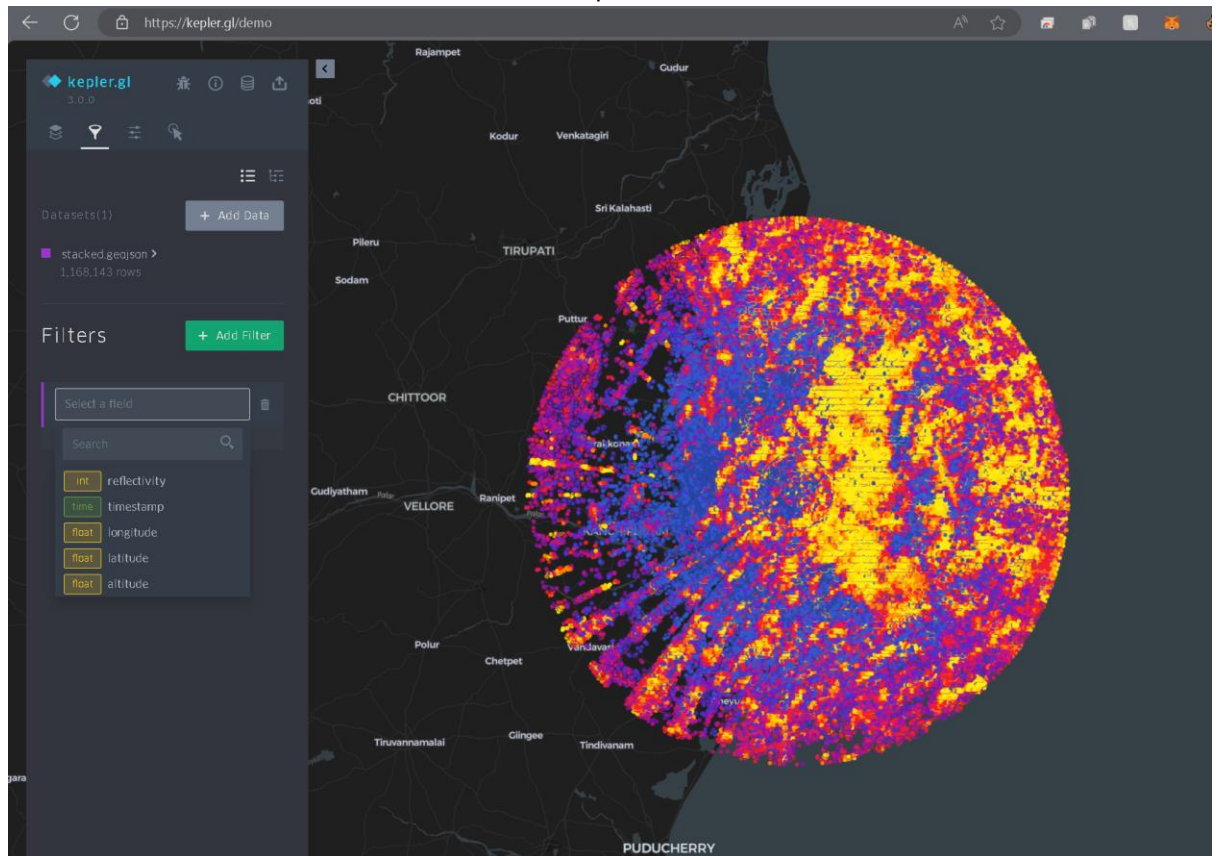
2. Select parameters of altitude and reflectivity accordingly



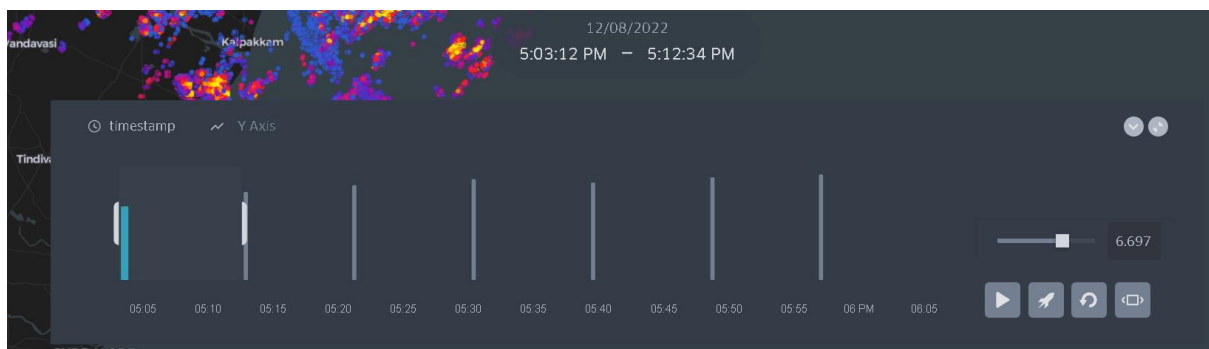
3. Change color scale to 10 steps and choose color map



4. In the filter section add filter and select timestamp



5. Adjust the time window and also increase speed of animation



If the map isn't 3d – select

