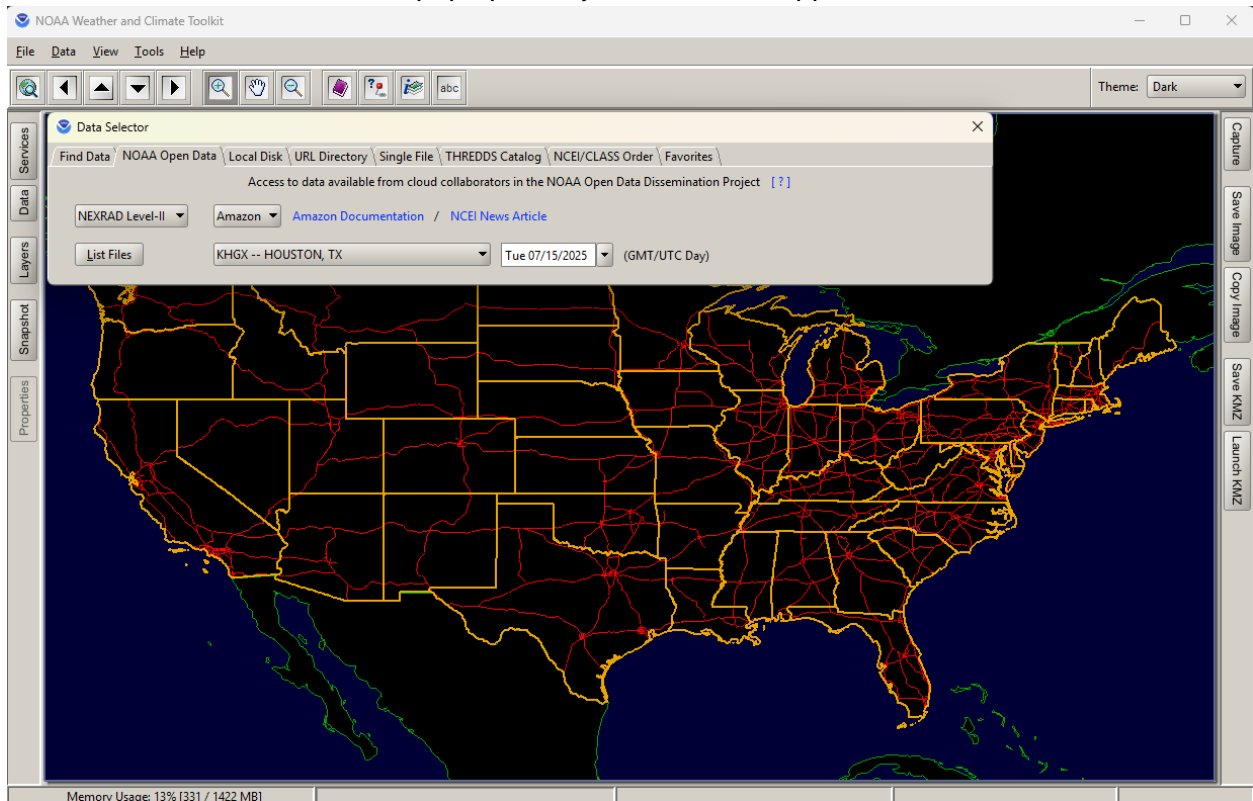


How to View Purple Martins on Radar

1. Download and install **NOAA'S Weather and Climate Toolkit ("wct")** – available at <https://www.ncdc.noaa.gov/wct/>
2. Open the **wct application**

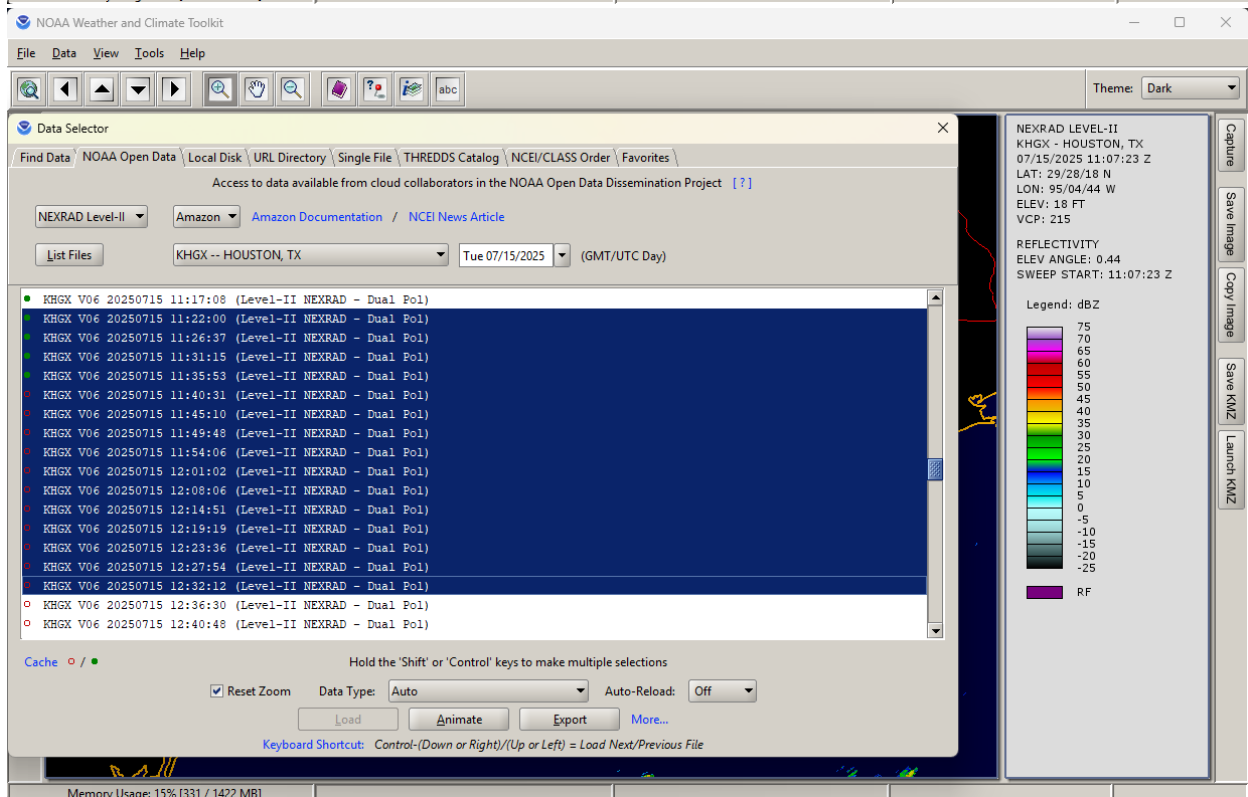
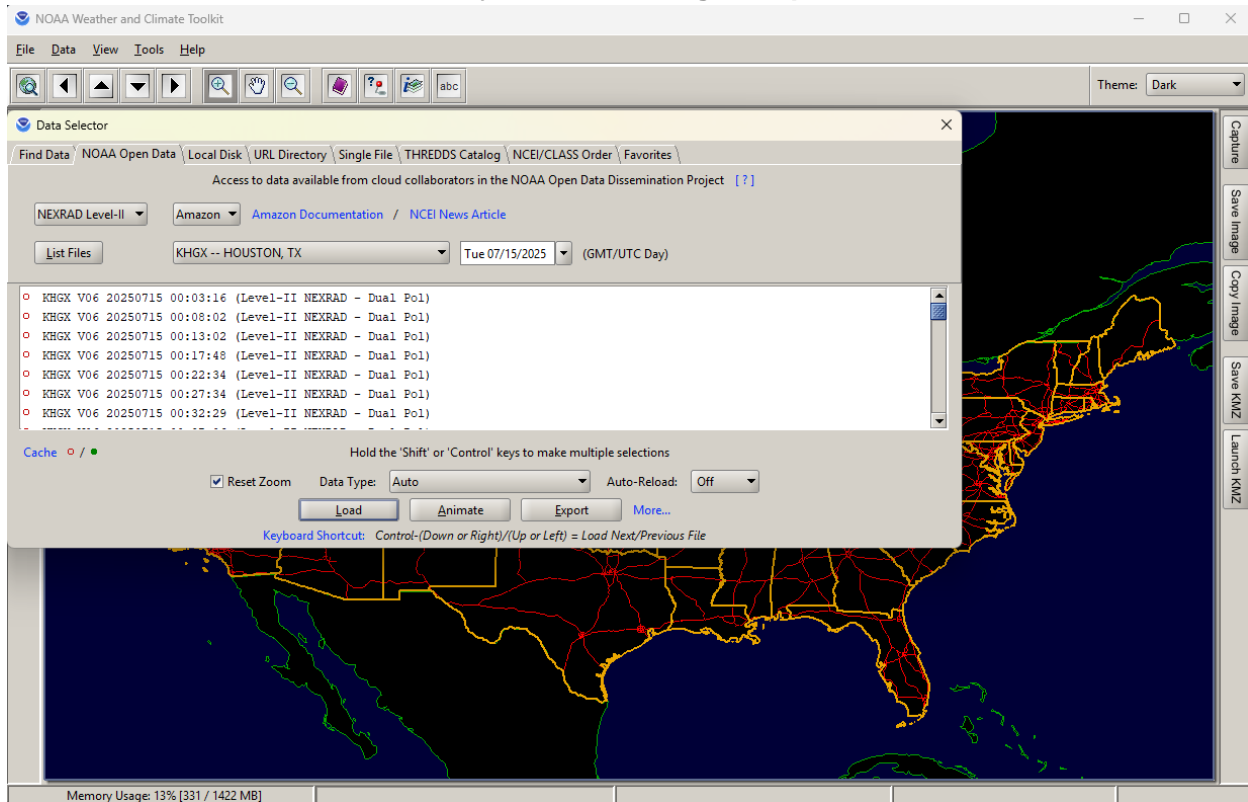
The **Data Selector** window will pop up after you launch the application



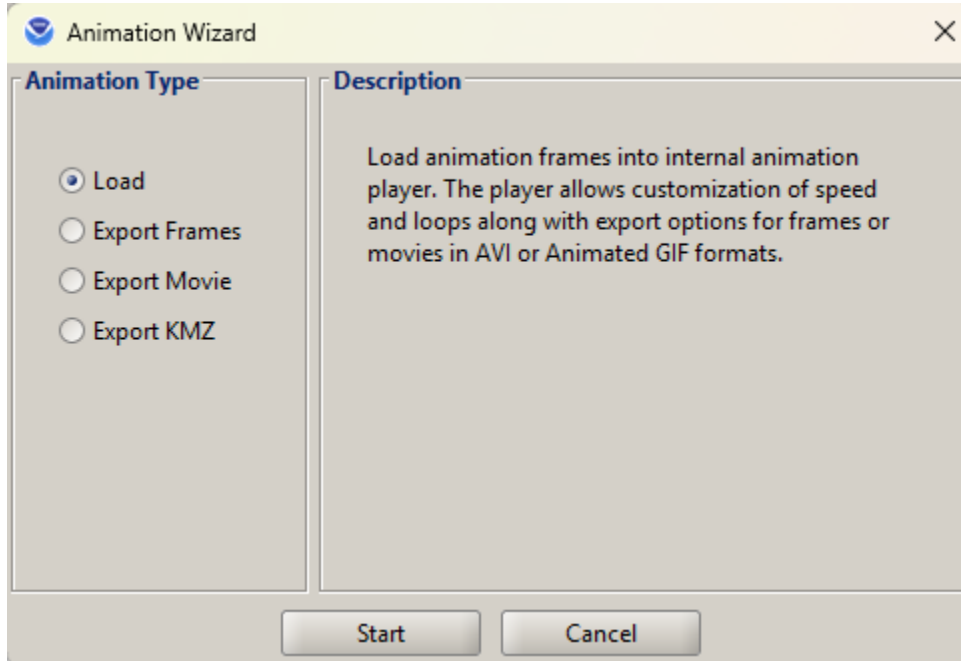
3. Select the following under the **NOAA Open Data** tab:
 - **NEXRAD Level II** (this is the radar frequency type – level 2 data is characterized by high spatial and temporal resolution, providing a detailed view of weather pattern)
 - **Amazon** (this is the server)
 - **KHGX – HOUSTON, TX** (this is the radar station)
 - **Date** (note that the date/time format is in GMT/UTC)

4. Click “List Files”

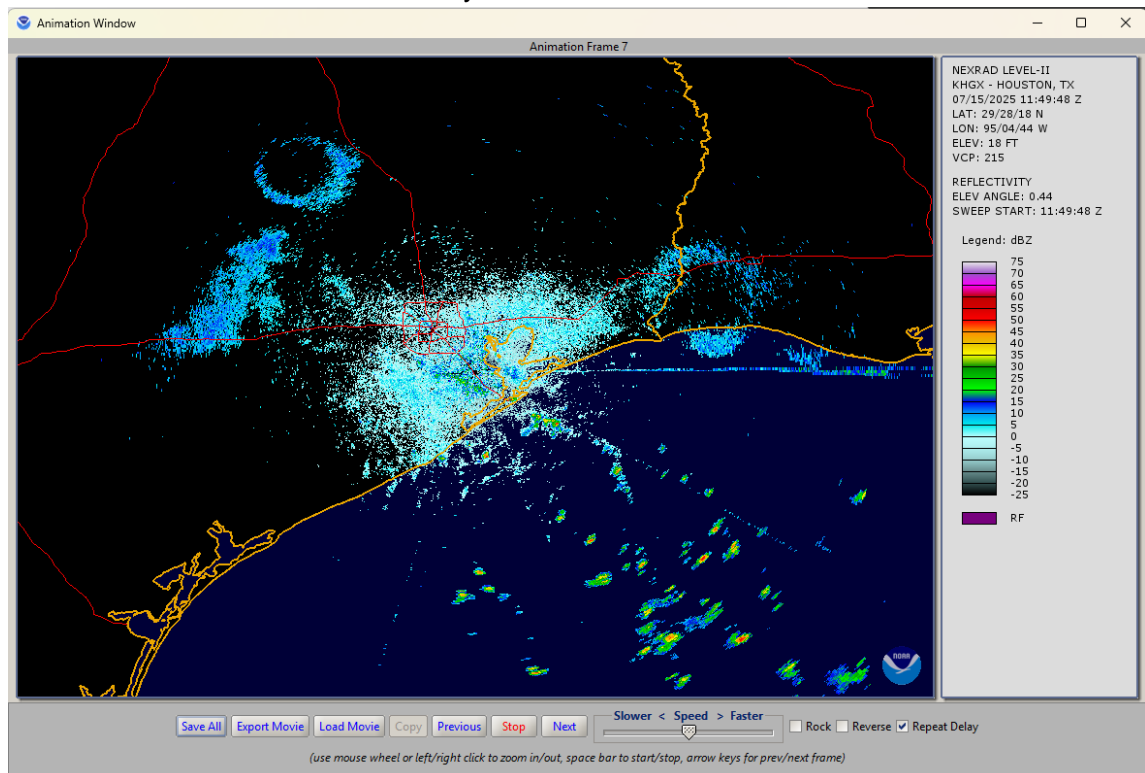
The data from NOAA will populate in an expanded window; scroll to the times you would like to view, then **hold down the SHIFT key while selecting multiple files**



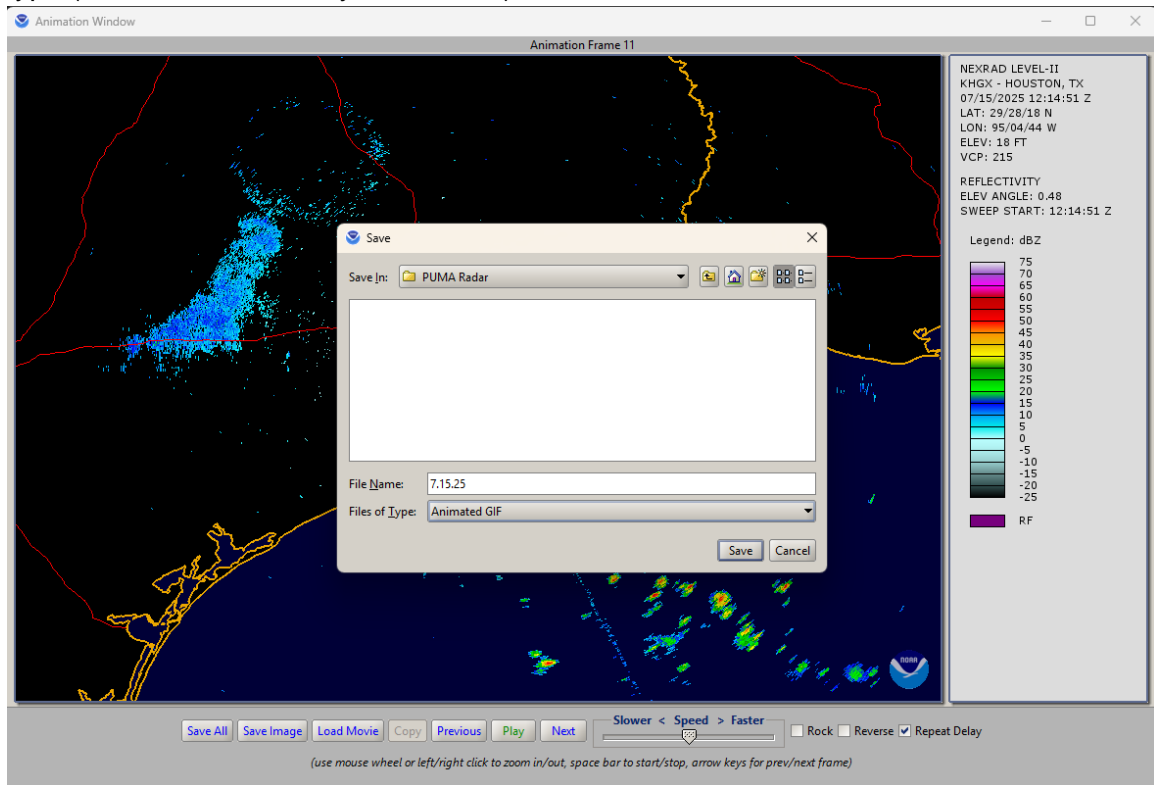
5. Click “**Animate**”
6. Select “**Load**” and then press “**Start**” on the **Animation Wizard window** and be patient while wct loads your files – this process may take a few minutes.



7. A new **Animation Window** will open when all the data are loaded; this is the animation of the NEXRAD Level II Radar files you selected



8. Select **“Export Movie”** from the menu of buttons below your animation
9. Select where you would like to save your animation, name your file, and select your file type (Animated GIF is very convenient)



10. Your file is ready to be viewed and shared!

