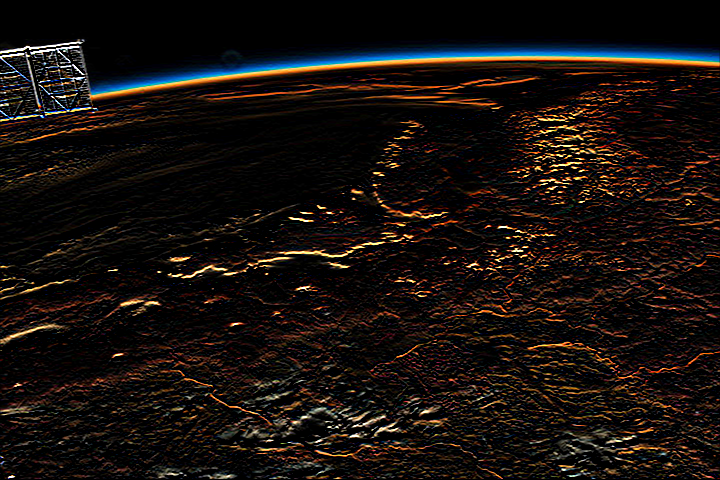
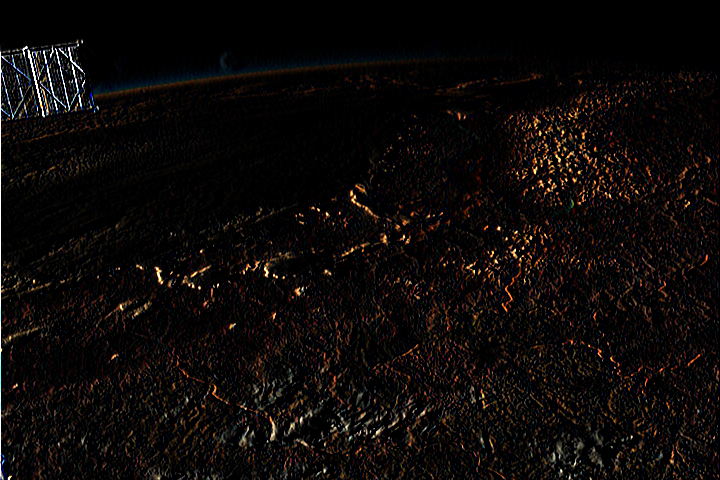
**Sobel Edge Detection**

This project continues the recent trend of the difficulty coming from integration. I believe I’ve heard it colloquially referred to as “integration hell” and I found the term apt during this assignment. The difficulties I encountered did end up forcing me to create a local library of all of my functions as well as to rework some of them so they can be more widely used. I thankfully was able to complete the assignment, though I’m sure my code has inefficiencies. As you know, I did have some difficulties with additional requirements for this assignment, but after an office hours session revealing the culprit to be integer division, everything else came together.

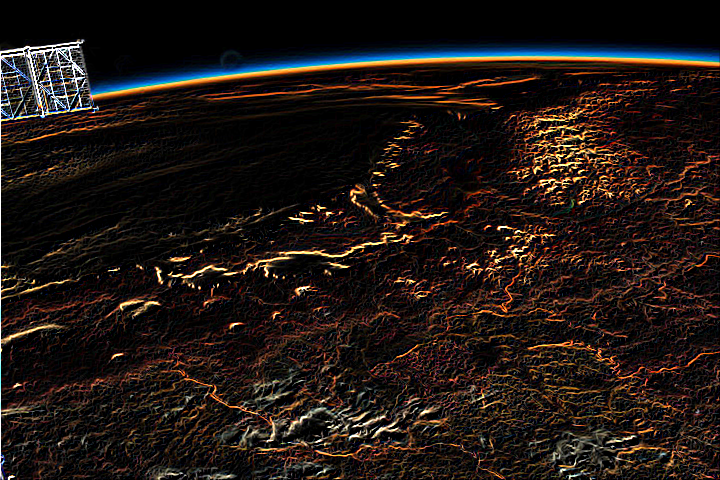
Horizontal Mask



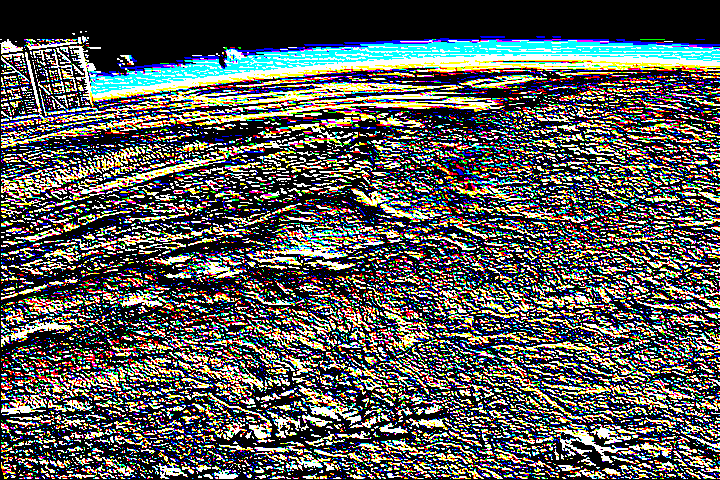
Vertical Mask



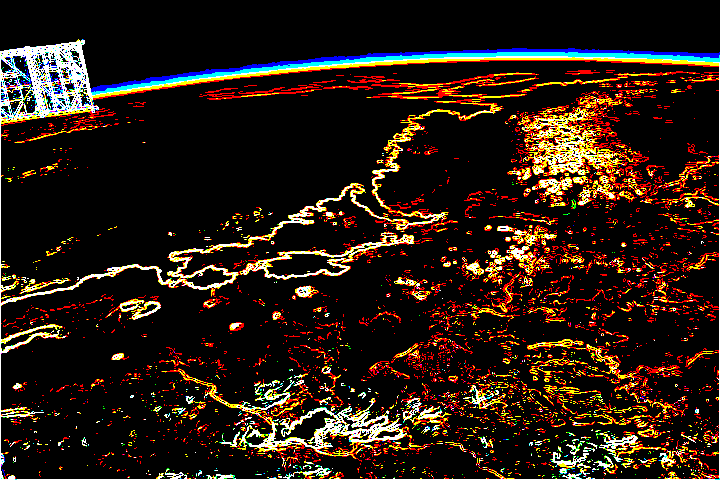
Magnitude



Orientation



Binarized Version of Magnitude



And Operation Result

