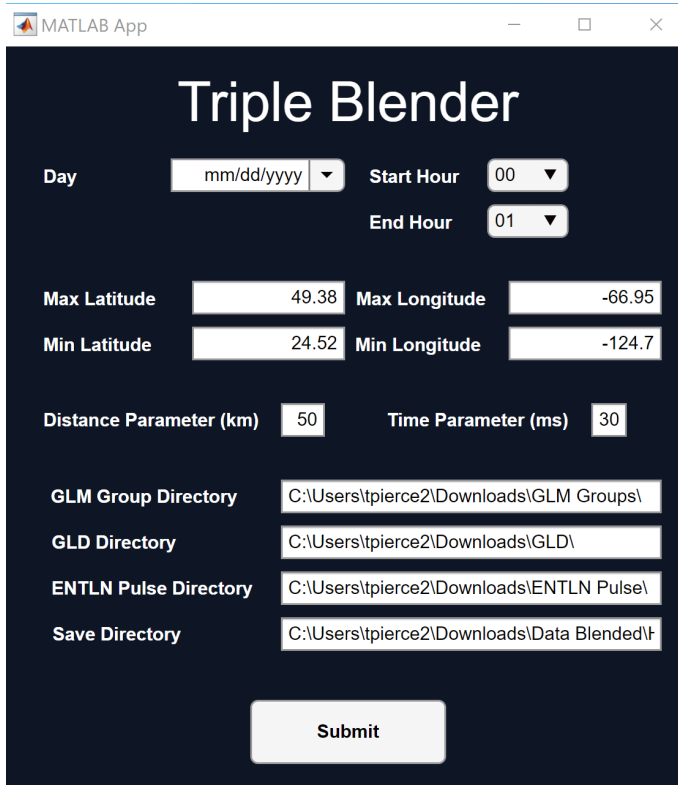


Developing a Triple-blended Lightning Dataset and its Applications

Terrence Pierce



Triple Blender

Day: Start Hour: End Hour:

Max Latitude: Max Longitude:
 Min Latitude: Min Longitude:

Distance Parameter (km): Time Parameter (ms):

GLM Group Directory:
 GLD Directory:
 ENTLN Pulse Directory:
 Save Directory:

Objectives

- Develop a user-friendly combined lightning dataset that includes both satellite and ground lightning data.
- Provide “ground-truth” for lightning sensors validation studies.
- Find detection features of ground and satellite lightning sensors.

Applications

- Machine Learning Training for flash type classification.
- Lightning data fusion for data assimilation and regional/global models.

