A Tool to Help Validate GLM

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We are developing a tool to provide a broad overview of GLM compared with any other available lightning data (shallow dive).

This broad-scale overview will provide statistics, coincidence checking, and time-series looks at many lightning datasets.

It will also provide the ability to zoom in, both time and space, down to the individual flash level (deep dive).
Function

- Easily determine performance of GLM compared with all other known lightning data sources.
- Provide a map window that shows requested lightning data, another map window that shows a “coincidence product,” and a time-series display.
If GLM detects lightning and

- No other system does: “Caution” – Yellow
- One other system does: “Good” – dark green
- >1 other system does: “Best” – green

If any system detects lightning but GLM does not “Alert” – red
Future Features

- More interactivity with maps display
- More statistics capability
- More portable
- Image data
- Optimization
- More user-defined features?