



ROLE

Produce maps and list of flashes for a particular area and time period.

PRINCIPLE

The time period and area under study are specified, a background map is created and lightning data is extracted from the Lightning Data Base. Geographic information and flash positions are combined and the resulting image can be displayed or printed. A listing can also be prepared, containing all the relevant information for each flash.

FUNCTIONS

Select time laps

Define area :

- Latitude and Longitude coordinates plus distance

- City name and distance

- Existing area (circle, polygon, polyline, map) stored as a file

Setup a flash filter based on polarity, amplitude threshold, number of strokes, ...)

Define detail level for background map

Choose output type and device

Store all parameters to a file for later re-use

PRE-REQUISITE

LDB to access lightning data

GDB to search city location and produce background map

SynCompo to produce formatted image

ARCHITECTURE

