

## PRINCIPLE

Display and analysis of lightning situations in order to check the lightning origin of an incident. Lightning data archived on the CATS server is extracted and can be stored on the PC.

## PRE-REQUISITE

A PC installed at the customer's site and linked to the Operational Center through a communication line. A standard telephone installation can be used, as well as an ethernet connection.

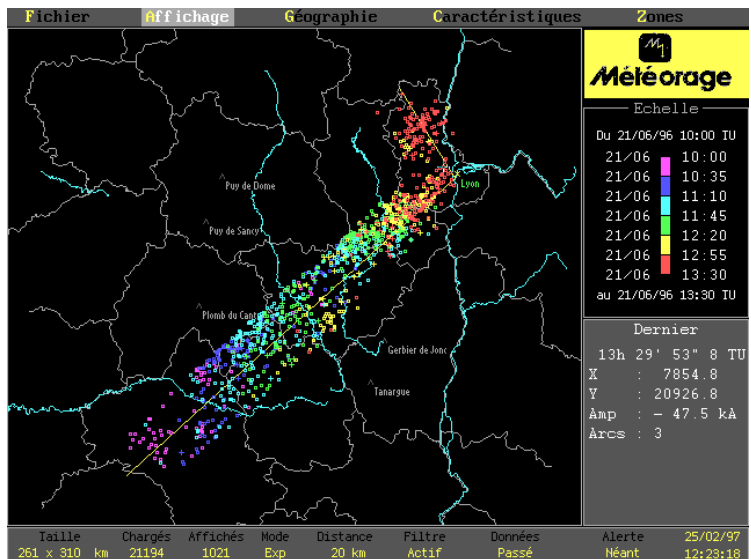
## DATA

A custom map is displayed on the P.C. showing the customer's region; sensitive spots such as lines or posts can be included.

Flashes detected over the customer's region for a user requested period are superimposed on the geographic background. The flash date is color coded.

## PROCESSING

- Communication with the server to extract lightning data
- Local storage of lightning data
- Screen copy
- Zoom to reduce the observed region and enrich the display with smaller objects.
- Flash display to show each event
- Data archive on the PC.
- Prints list of flashes within an area.
- Flash characteristics (date, position, polarity, ...)
- Distance between a flash and any point
- Up to 1000 pre-defined areas of any shape (circle, line, polygon)
- Filter on flash polarity and amplitude



## APPLICATIONS

Check origin of incident  
Correlate lightning and damage