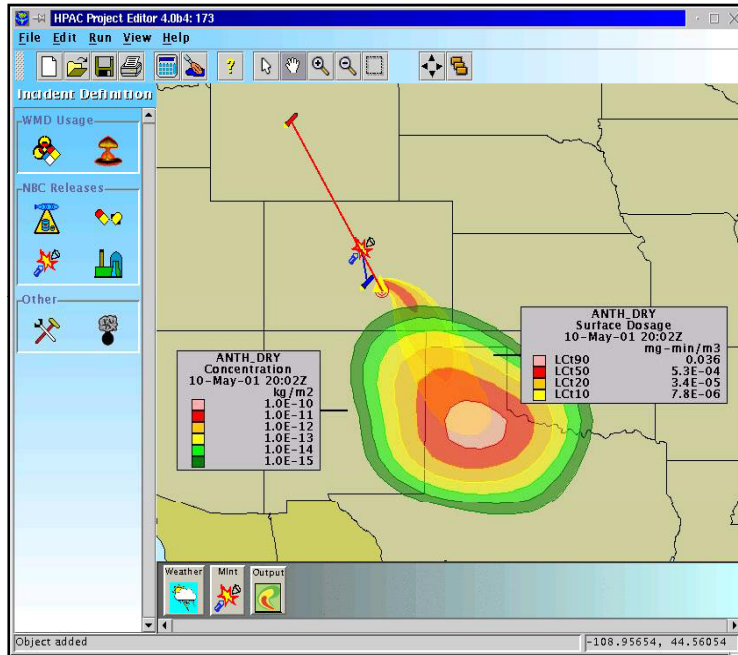


# Hazard Prediction Analysis Capability (HPAC-V5)

Modeling & Simulation Group



## *Problem Statement:*

Develop HPAC architecture for language- and platform-independence, allowing for separation of graphical-user-interface, data, and implementation autonomy to support client-server deployment, pluggable map displays, and extensible source models.

## *Technical Approach:*

Support Web services for configurable, pluggable MapDisplay framework with image and OpenMap implementations. Employ flexible source model server and client framework.

## *Benefits:*

Platform for HPAC integration and expansion to Web services and an understanding of consequence assessment applications and missions. Familiarity with HPACtool architecture and implementation of HPAC modules into other codes (e.g., VISAC).