

Geospatial Extensions geoEXT

Extending your GIS investment

Lightning EXT

ArcMap interface showing a map of lightning strikes. The map includes roads and boundaries. A table of contents pane shows layers like 'NearByLightning' and 'LightningStrikes'. An ArcCatalog window displays a table of lightning strike data with columns: SHAPE*, StrikeID*, EventTime*, Amplitude, Latitude, Longitude, and Multiplicity. The data table lists numerous strikes with various coordinates and times.

Lightning Ext: Lightning strike 259156 struck near a Pole

Lightning strike 259156 struck within 188 feet of Pole '98513' with a magnitude of 1.78
<http://maps.google.com/?q=34.701771,-79.928521>

Pole	
Name	Value
Class	4
FacilityID	074-95-012
Height	40
Material	W
OBJECTID	98513
PoleType	POLE
X	0
Y	0



- **Lightning EXT** is an ArcGIS® extension and GIS service that greatly enhances your lightning data subscription.
- **Lightning EXT** automatically imports data from your lightning provider into the geodatabase.
- **Lightning EXT** spatially re-projects strikes into the coordinate system of the geodatabase.
- **Lightning EXT** maintains feature classes for recent strikes, archived strikes, and strikes near predefined facilities (nearby strikes).
- **Lightning EXT** allows the user to filter strikes based on whether the strike is cloud-to-ground, inside a service-boundary, has a certain amplitude or has a certain error area.
- **Lightning EXT** supports both the United States Precision Lightning Network (USPLN) and the Earth Networks Total Lightning Network (ENTLN).
- **Lightning EXT** sends an email or text message, including a hyperlink to the map location, when lightning strikes near a facility.
- **Lightning EXT** supports ArcGIS® 10.2–10.6



geoEXT
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Partner Network
Silver