



# FIVE EASY STEPS TO CONDUCTING A POST LIGHTNING EVENT ANALYSIS

Indji Watch is the only solution on the market that can not only tell you if there was lightning near your lines or sub-stations, but can also tell you the distance between where the strike occurred and your asset. The Lightning Fault Analyst makes it easy to quickly correlate if lightning occurred near your sub-station or line at the time a fault was identified. Save time directing maintenance crews to a specific location, instead of directing teams to patrol large sections of the grid.

## STEP 1

From Indji Watch, open the Lightning Fault Analyst from the upper left navigation menu 

## STEP 2

Select each Asset you would like to conduct an analysis on—you may choose as many assets from drop down as you need

## STEP 3

Enter the Fault Time—enter the exact date and time the fault occurred if you know it, or enter an approximation

## STEP 4

Select a Time Window in hours, minutes or days—This will allow you to see lightning data in relation to your selected asset, for the Time Window chosen

## STEP 5

Select

Go



The lightning strikes are displayed as a table under the chosen parameters, giving you the exact time the strike occurred, and the strike amplitude in kA. The lightning strikes are also displayed in blue on the right of your screen in relationship to the assets you have chosen. (Figure 1) To zoom to a strike on the map, just double-click on an entry in the table. To highlight a strike on the map and display the 99% confidence ellipse (Figure 2), just click once on the strike entry in the table. If you have the Distance to Fault from your relays, just select that tool to plot the estimated fault locations in orange "X"s. Distance to Fault locations can be plotted for non-lightning related faults as well.

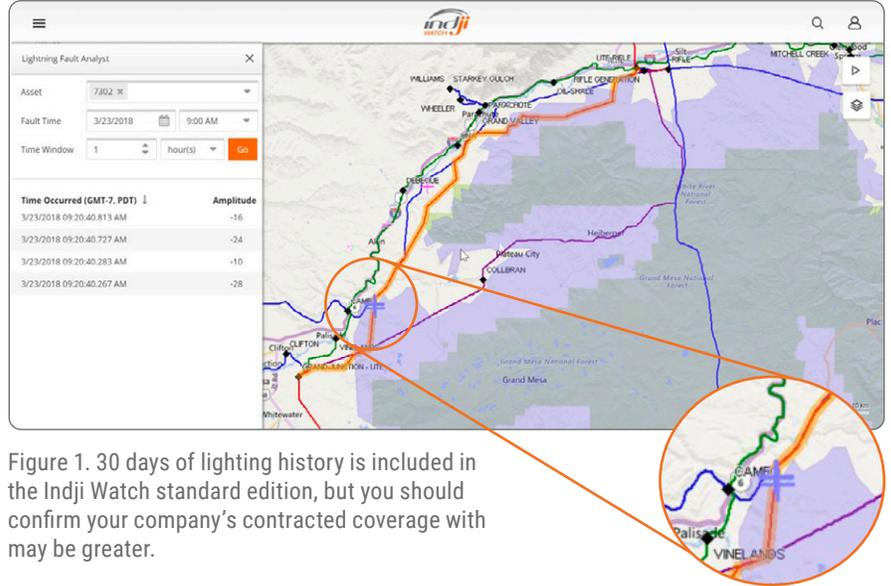


Figure 1. 30 days of lightning history is included in the Indji Watch standard edition, but you should confirm your company's contracted coverage with may be greater.

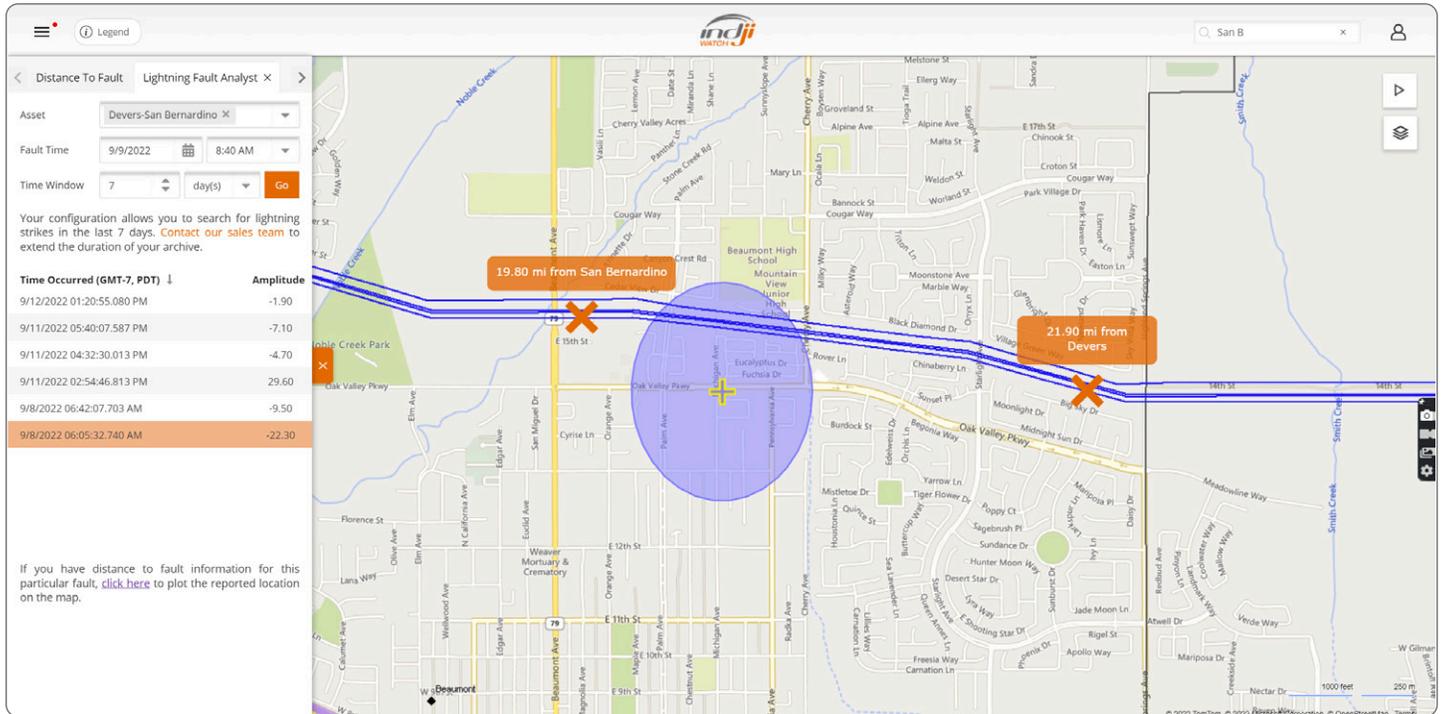


Figure 2.