

On 22 May 2013, a detailed aerial damage survey of the 20 May 2013 Moore Oklahoma tornado was conducted. A set of over 1200 digital images of the damage path were collected and subsequently analyzed. From the aerial photos of the damage, the detailed damage track has been reconstructed. A detailed EF-scale assessment will be presented.

Point damage data has been imported into ESRI ArcGIS to estimate the property and population that was affected by the tornado. Estimates of the total area impacted by damaging winds, the numbers and types of structures rated EF0, 1, 2, 3, 4, and 5, and an estimate of the property damage generated by the tornado will be presented.

Finally, a detailed photogrammetric analysis of the visual evolution of the tornado will be presented. The visual structure of the tornado and attendant debris will be superimposed on the damage track to examine the relationship between the visual tornado and damage it was creating.

Access to the aerial photos, KMZ files, and additional information can be found on the following website.

<http://apollo.lsc.vsc.edu/vortex2/Moore2013/index.html>