

**SAMPLE**

# LIGHTNING STRIKE ANALYSIS



## **SITE-SPECIFIC LIGHTNING STRIKE REPORT**

**by CompuWeather**

*PREPARED FOR:*

**Roberts Claims Services**

Alex Torrington

June 12, 2015

The Korner Store / 120-A

CompuWeather Sample Report –  
Please note that this report  
contains sample data and  
fictitious names, dates,  
addresses and case references.  
This report is intended to  
demonstrate the structure and  
detail that is included in a  
CompuWeather Weather  
Analysis. All CompuWeather  
Reports are specific to  
individual cases or claims and  
may or may not include all the  
sections or information  
contained in this sample report.

**CompuWeather**

## PROJECT INFORMATION

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Report Completion Date: June 12, 2015

Prepared for: Roberts Claims Services  
1 Bolduc Street  
Jackson, GA  
Attn: Alex Torrington

Case Reference: The Korner Store / 120-A

Date of Incident: June 2, 2015

Location of Incident: 800 Mason Road  
Dallas, GA 30132

Type of Incident: Lightning

Scope: Site specific lightning strike report for June 1-3, 2015

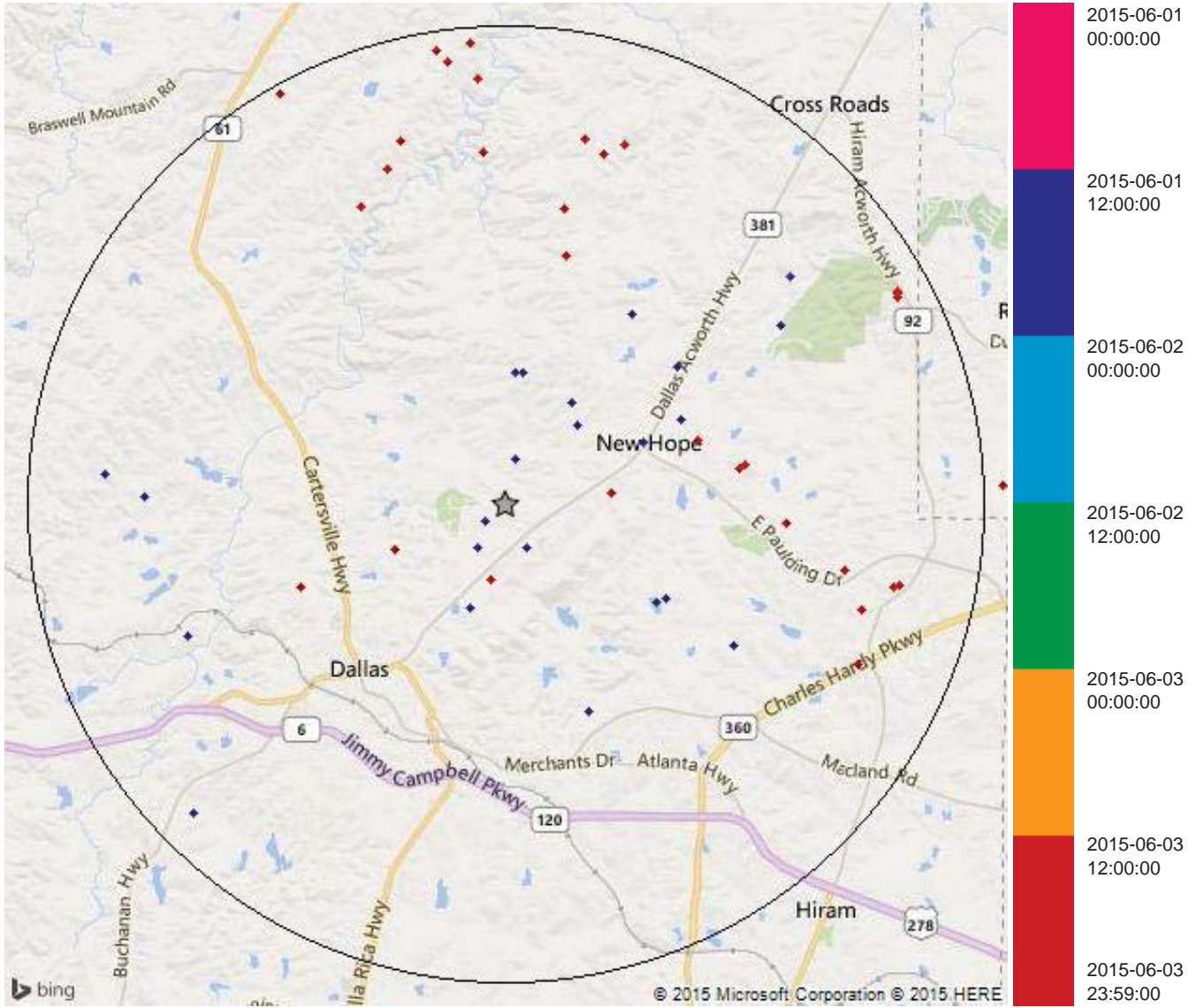
# STRIKEnet<sup>®</sup> Report

<b>Claim or Reference #</b>	The Korner Store / 120-A
<b>Insured/Property Owner</b>	
<b>STRIKEnet Report #</b>	1234567890
<b>Address</b>	800 Mason Road, Dallas, GA 30132
<b>Coordinates</b>	Mon, Jun 01, 2015 12:00 AM US EDT to Wed, Jun 03, 2015 11:59 PM US EDT
<b>Search Period</b>	5 mi (8 km)
<b>Search Radius</b>	Jun 9, 2015 at 13:02:59 UTC
<b>Report Generated</b>	

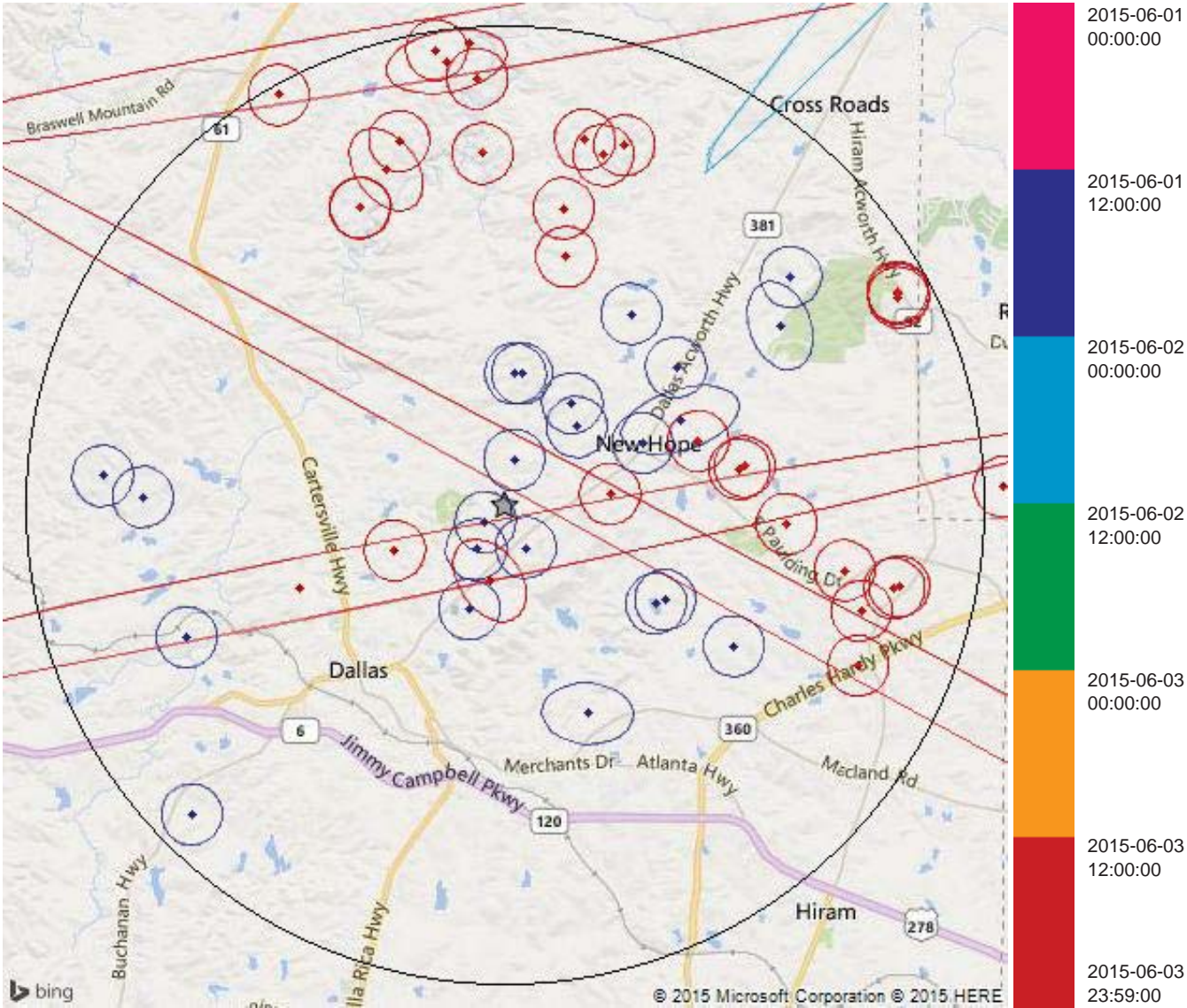
## Summary

STRIKEnet verified the presence of 54 cloud-to-ground lightning strokes detected within 5 miles of the property for the dates inquired.

# Lightning Stroke Map



# Confidence Ellipses For Lightning Strokes



Lightning Confidence Ellipse Map indicates with 99% certainty that the recorded lightning event contacted the ground within the bounds of the ellipse.



# Key Results

Lightning Strokes Detected within 5 mi (8 km)	54
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## Number of Strokes Detected by Time Period

Period	# of Strokes
Mon, Jun 01, 2015 12:00 AM US EDT to Mon, Jun 01, 2015 12:00 PM US EDT	0
Mon, Jun 01, 2015 12:00 PM US EDT to Tue, Jun 02, 2015 12:00 AM US EDT	23
Tue, Jun 02, 2015 12:00 AM US EDT to Tue, Jun 02, 2015 12:00 PM US EDT	0
Tue, Jun 02, 2015 12:00 PM US EDT to Wed, Jun 03, 2015 12:00 AM US EDT	0
Wed, Jun 03, 2015 12:00 AM US EDT to Wed, Jun 03, 2015 12:00 PM US EDT	0
Wed, Jun 03, 2015 12:00 PM US EDT to Wed, Jun 03, 2015 11:59 PM US EDT	31

## Lightning Strokes

Date	Time	Peak Current (kA)	Distance from Center (mi/km)	Latitude	Longitude
Jun 1, 2015	18:26:53	-9.3	0.3/0.4	33.94728	-84.81832
Jun 1, 2015	18:26:53	-17.8	0.5/0.8	33.9567	-84.81306
Jun 1, 2015	18:20:46	-11.9	0.5/0.8	33.94337	-84.81101
Jun 1, 2015	18:25:30	-5.8	0.6/0.9	33.94309	-84.82002
Jun 3, 2015	14:20:45	-5.7	0.8/1.3	33.93847	-84.81755
Jun 3, 2015	14:07:31	-7.6	1.1/1.8	33.95147	-84.79563
Jun 1, 2015	18:28:32	-18.7	1.1/1.8	33.96161	-84.80172
Jun 1, 2015	18:23:07	-8.4	1.1/1.8	33.9341	-84.82123
Jun 3, 2015	14:15:07	-14.3	1.2/2	33.943	-84.83481
Jun 1, 2015	18:28:32	-25.8	1.3/2.1	33.96523	-84.80256
Jun 1, 2015	18:28:32	-16.2	1.4/2.2	33.96962	-84.81288
Jun 1, 2015	18:28:32	-4.7	1.4/2.2	33.96968	-84.81172
Jun 1, 2015	18:35:37	-20.2	1.6/2.5	33.95914	-84.78968
Jun 1, 2015	18:26:53	-13.2	1.9/3	33.93492	-84.78727
Jun 1, 2015	18:26:53	-8.4	1.9/3.1	33.93549	-84.7856
Jun 1, 2015	18:28:32	-16	2/3.3	33.96266	-84.78285
Jun 3, 2015	14:00:40	-5.2	2.1/3.4	33.95952	-84.77957
Jun 1, 2015	18:32:03	-14	2.3/3.7	33.97055	-84.78363
Jun 3, 2015	14:06:01	-2.3	2.3/3.7	33.93717	-84.85214

Date	Time	Peak Current (kA)	Distance from Center (mi/km)	Latitude	Longitude
Jun 1, 2015	18:20:46	-3.4	2.3/3.8	33.91832	-84.7997
Jun 1, 2015	18:32:03	30.2	2.4/3.8	33.97864	-84.79179
Jun 3, 2015	14:02:46	-10	2.5/4	33.95524	-84.77211
Jun 3, 2015	14:02:46	-9.7	2.5/4.1	33.95562	-84.7712
Jun 3, 2015	14:46:50	-7.5	2.7/4.3	33.98731	-84.80358
Jun 1, 2015	18:28:32	-8.8	2.8/4.5	33.92849	-84.77303
Jun 3, 2015	14:09:14	-8.1	2.9/4.7	33.94695	-84.76345
Jun 3, 2015	14:46:50	-3.1	3.2/5.1	33.99458	-84.8041
Jun 1, 2015	18:35:37	-4.4	3.4/5.5	33.97686	-84.7647
Jun 3, 2015	14:36:52	-5.8	3.4/5.5	33.99467	-84.84099
Jun 3, 2015	14:36:52	-6.6	3.5/5.6	33.99469	-84.84117
Jun 1, 2015	18:15:39	-18.8	3.6/5.8	33.92984	-84.87264
Jun 3, 2015	14:01:48	-7	3.6/5.8	33.93993	-84.75293
Jun 3, 2015	14:41:23	-15.9	3.7/5.9	34.00292	-84.8188
Jun 3, 2015	14:41:23	-6.3	3.7/6	34.00048	-84.83636
Jun 1, 2015	18:10:51	-18	3.8/6.1	33.95104	-84.8807
Jun 3, 2015	14:46:50	-35.3	3.8/6.1	34.00261	-84.79685
Jun 1, 2015	18:35:37	-8.9	3.8/6.1	33.98427	-84.76276
Jun 3, 2015	14:07:31	-4.9	3.9/6.2	33.93384	-84.74991
Jun 3, 2015	14:38:08	-4.4	3.9/6.3	34.00494	-84.80027
Jun 3, 2015	14:46:50	-55.2	4/6.4	34.00408	-84.79297
Jun 3, 2015	14:35:22	-9.3	4/6.4	34.00479	-84.83399
Jun 3, 2015	14:04:16	-12.1	4/6.5	33.92554	-84.75041
Jun 3, 2015	14:06:01	-9.6	4.1/6.7	33.93722	-84.74391
Jun 3, 2015	14:06:01	-6.5	4.2/6.8	33.93754	-84.74301
Jun 1, 2015	17:59:54	-9.4	4.2/6.8	33.95422	-84.88798
Jun 3, 2015	14:45:13	-21.3	4.5/7.2	34.01422	-84.81983
Jun 1, 2015	18:15:04	-13.2	4.6/7.4	33.90307	-84.87181
Jun 3, 2015	14:12:38	-11.7	4.6/7.5	33.9812	-84.74317
Jun 3, 2015	14:12:38	-11.8	4.7/7.5	33.982	-84.74337
Jun 3, 2015	14:12:38	-12.6	4.7/7.5	33.98167	-84.74314

## Decoder for Lightning Data

### Basic Report

**Claim Address:** Address of the Search Location

**Search Period:** Start and End time of Search

**Search Radius:** Radius distances searched from the Search Location

Also indicates the number of Strikes detected for the given time period and location

### Details for Closest 50 Strikes (Ordered by Distance) and Details for all Strikes (Ordered by Time)

- **Date/Time:** Date and Time of the lightning strike
- **Peak Current (kA):** Magnitude of the lightning strike in Kilo-Amps (“+” means positively charged and “-” means negatively charged)
- **Distance from Center:** Distance in miles/kilometers of the lightning strike from the Search Location
- **Latitude:** Latitude of the lightning strike
- **Longitude:** Longitude of the lightning strike



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