

# **SAMPLE WIND DAMAGE REPORT**

---

## **SITE SPECIFIC WEATHER ANALYSIS REPORT**

---

*PREPARED FOR:*

**Ross Sherman Insurance**

**Robert Daley**

*PREPARED BY:*



April 10, 2007

REFERENCE: North Park Market Place  
2500 North Park – Midland, TX

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.

## TABLE OF CONTENTS

---

PROJECT INFORMATION .....	3
ABSTRACT.....	3
INTRODUCTION .....	4
RESULTS / ANALYSIS.....	5
DAILY SUMMARY TABLE .....	7
DAILY SUMMARY CHARTS.....	9
CONCLUSION.....	11
INFORMATION SOURCES & SUPPORTING INFORMATION.....	12
ABOUT COMPUWEATHER .....	13

## PROJECT INFORMATION

---

Report Completion Date: January 2, 2007

Prepared for: Ross Sherman Insurance  
1234 Aberdeen Dr.  
Boston, Massachusetts  
Attn: Robert Daley

Case Reference: North Park Market Place

Date of Incident / Loss: May 5-6, 2006

Time of Incident / Loss: N/A

Location of Loss / Incident: 2500 North Park  
Midland, Texas

Type of Incident: Roof damage

Scope: Determination of the weather and wind conditions for  
May 5-6, 2006.

## ABSTRACT

---

Sherman Consulting, Inc. has requested that CompuWeather's Forensic Meteorologists perform a site specific analysis of the weather conditions that occurred on May 5-6, 2006 for the location of 2500 North Park, Midland, Texas. CompuWeather researched all the available weather data from approved sources for the surrounding area, analyzed the information and interpreted the conditions that took place for the requested location during the period requested.

CompuWeather has determined that a peak wind gust to 32 mph from the southeast occurred between approximately 1:30-2:00 AM CDT on May 5, 2006 at 2500 North Park, Midland, TX (site of the incident), and a peak wind gust to 53 mph from the northwest occurred between approximately 2:30-3:00 AM CDT on May 6, 2006 at 2500 North Park, Midland, TX (site of the incident).

## INTRODUCTION

---

This report is based on a review of weather data recorded in the vicinity of 2500 North Park, Midland, TX (site of the incident; see attached map) on May 5-6, 2006. In order to determine the weather conditions during the period in question, official copies of National Weather Service (NWS) data were studied.

Our analysis of this data begins with interpretation and also determining its credibility. Data may not have been present at the loss location during the period in question. In such cases, data from the nearest reporting sites are analyzed. Also, some of the data gathered may not be finalized by the National Weather Service. Our final report will reflect on finalized data, if/when available. If finalized data is not available for a particular location or time pertinent to this case, the preliminary data will be used in combination with meteorological estimations.

Data and reports taken by individuals or organizations not affiliated with the National Weather Service are considered helpful in our analysis but are not used in our final report.

***ANALYSIS OF THE GENERAL WEATHER CONDITIONS DURING THE PERIOD  
MAY 5-6, 2006***

On May 5, 2006, showers and/or thunderstorms occurred prior to approximately 12:40 AM CDT, and then again between approximately 1:25-1:40 AM, 3:15-3:25 AM, 4:25-6:05 AM, 6:50-7:05 AM, and 10:00-10:45 AM CDT. Approximately 0.13 inch of rain fell on this day. Winds were east to southeast at speeds between approximately 8-20 mph with gusts to approximately 31-32 mph through around 4:30 AM CDT. After 4:30 AM CDT, winds were variable in direction at speeds between 7-12 mph with a gust to 18 mph through around 1:30 PM CDT. After 1:30 PM CDT, winds were northeast to southeast at 10 mph or less. The peak wind gust to 32 mph from the southeast occurred between approximately 1:30-2:00 AM CDT. The high temperature was near 86 F and the low temperature was near 65 F.

On May 6, 2006, showers and/or thunderstorms, some of which were strong to severe, occurred between approximately 2:15-5:40 AM, 6:20-7:35 AM, 5:35-6:45 PM, and 6:55-7:30 PM CDT. In fact, at 2:09 AM CDT, the NWS issued a Severe Thunderstorm Warning for Williamson County which was in effect until 3:30 AM CDT. At 2:09 AM CDT, NWS Doppler Radar indicated a severe thunderstorm near Florence (approximately 20 miles north of the site of the incident), moving east at 20 mph. Approximately 1.65 inches of rain fell on this day. Winds were south to southeast at speeds between 7-14 mph through around 2:30 AM CDT. After 2:30 AM CDT, winds were northeast to northwest at speeds between approximately 12-30 mph with a gust to approximately 53 mph through around 4:00 AM CDT. After 4:00 AM CDT, winds were variable in direction at speeds between 4-15 mph with a gust to 30 mph. The peak wind gust to 53 mph from the northwest occurred between approximately 2:30-3:00 AM CDT, which was the result of thunderstorms moving through the area. The high temperature was near 83 F and the low temperature was near 63 F.

## HOURLY ANALYSIS

---

Below is a summary of the approximate hourly wind direction, wind speed (mph), and wind gust (mph) on May 5-6, 2006 in the vicinity of 2500 North Park, Midland, Texas (site of the incident).

### May 5, 2006

Time	Wind Direction	Wind Speed	Wind Gust
12:00 AM	East	8	None
1:00 AM	East	15	None
2:00 AM	Southeast	17	32
3:00 AM	Southeast	20	31
4:00 AM	Southeast	18	None
5:00 AM	Northwest	7	None
6:00 AM	West	10	None
7:00 AM	Calm	0	None
8:00 AM	South	12	18
9:00 AM	Northwest	8	None
10:00 AM	Northwest	10	None
11:00 AM	Calm	0	None
12:00 PM	South	12	None
1:00 PM	Southeast	7	None
2:00 PM	Northeast	7	None
3:00 PM	Northeast	5	None
4:00 PM	Northeast	9	None
5:00 PM	East-northeast	9	None
6:00 PM	East-northeast	10	None
7:00 PM	East-northeast	10	None
8:00 PM	East-northeast	8	None
9:00 PM	East-southeast	4	None
10:00 PM	Northeast	7	None
11:00 PM	Southeast	9	None

**May 6, 2006**

<b>Time</b>	<b>Wind Direction</b>	<b>Wind Speed</b>	<b>Wind Gust</b>
12:00 AM	Southeast	14	None
1:00 AM	Southeast	13	None
2:00 AM	South	7	None
3:00 AM	Northwest	30	53
4:00 AM	Northeast	12	None
5:00 AM	East	7	None
6:00 AM	Southeast	15	None
7:00 AM	Calm	0	None
8:00 AM	Southwest	5	None
9:00 AM	West-southwest	7	None
10:00 AM	Southwest	4	None
11:00 AM	Southwest	7	None
12:00 PM	Calm	0	None
1:00 PM	Variable	4	None
2:00 PM	Southeast	6	None
3:00 PM	Northeast	4	None
4:00 PM	Southeast	13	None
5:00 PM	Southeast	9	None
6:00 PM	East-southeast	6	None
7:00 PM	East-southeast	5	None
8:00 PM	West	15	30
9:00 PM	Northeast	9	None
10:00 PM	Northeast	5	None
11:00 PM	Northwest	6	None
12:00 AM	North	5	None

## DAILY SUMMARY TABLE

---

The following chart indicates the daily high and low temperatures in degrees (F), liquid precipitation (inches), peak wind gust (mph), and the direction of the peak wind gust.

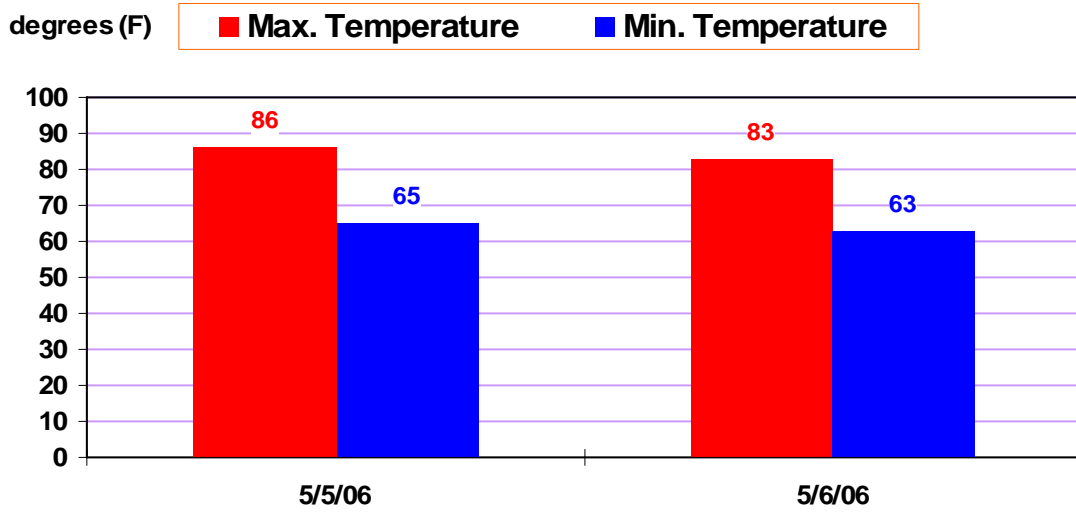
Date	Max	Min	Liquid Precipitation	Peak Wind Gust	Direction of Peak Wind Gust
5	86	65	0.13"	32	Southeast
6	83	63	1.65"	53	Northwest

- A Trace of liquid precipitation denotes an amount of less than 0.01 inch.

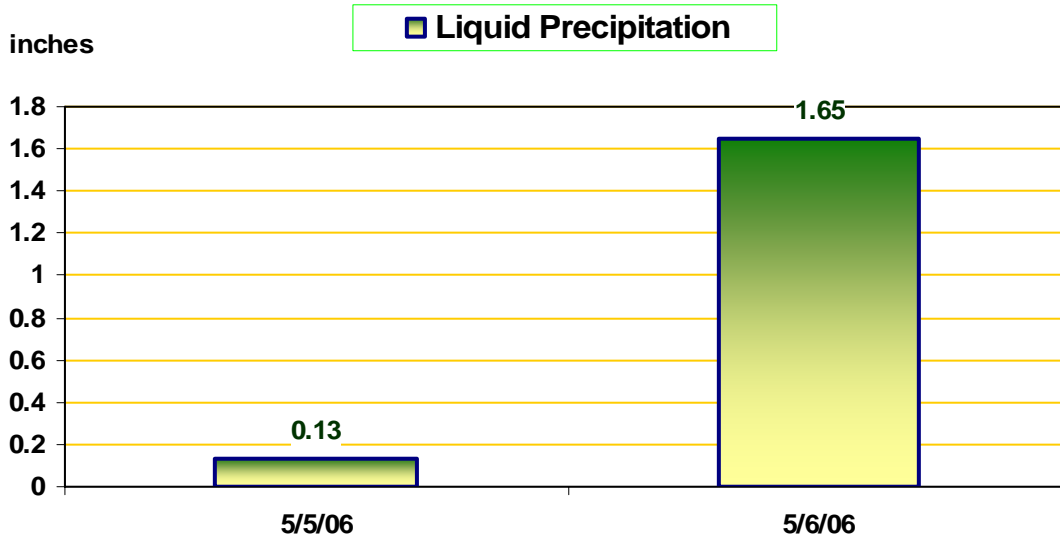
## DAILY SUMMARY CHARTS

---

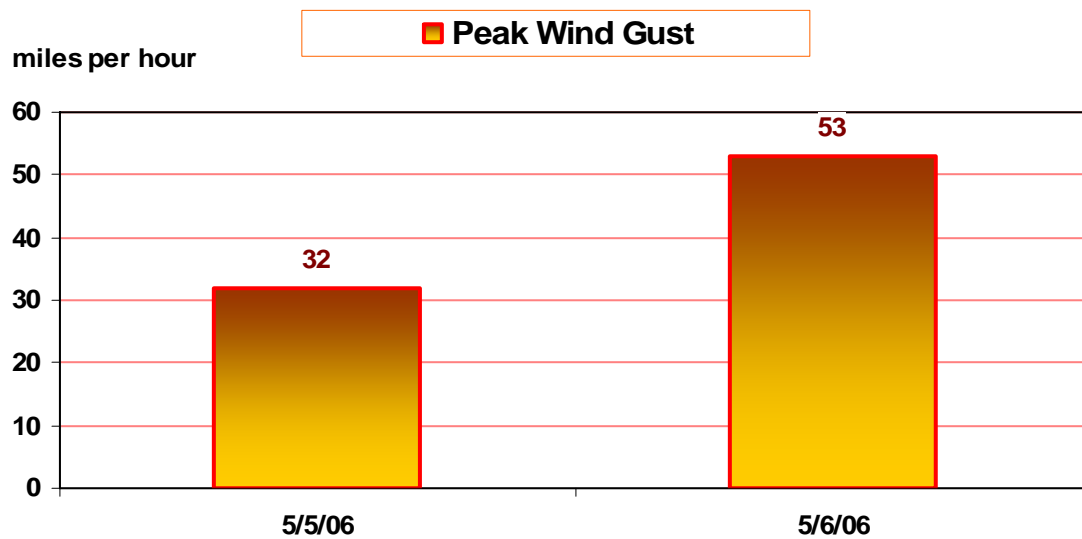
The following chart indicates the daily maximum and minimum temperatures (degrees F).



The following chart indicates the daily liquid precipitation (inches).

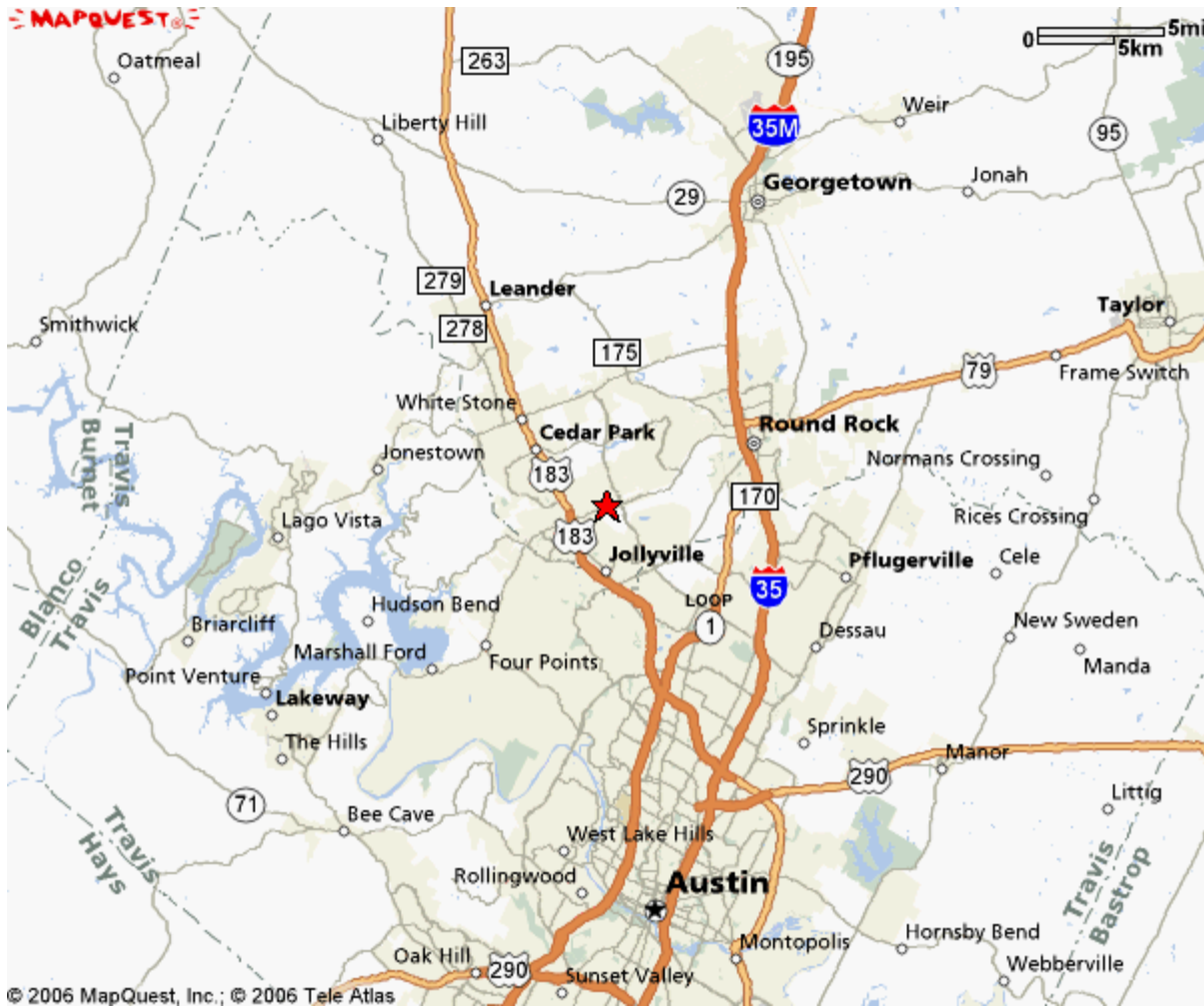


The following chart indicates the daily peak wind gust (mph).



## CONCLUSION

In conclusion, it can be stated with a reasonable degree of meteorological certainty, that on May 5-6, 2006 (dates in question) in the vicinity of 2500 North Park, Midland, TX (site of the incident; see attached map), thunderstorms produced a peak wind gust to 32 mph from the southeast between approximately 1:30-2:00 AM CDT on May 5, 2006, and a peak wind gust to 53 mph from the northwest between approximately 2:30-3:00 AM CDT on May 6, 2006.



## INFORMATION SOURCES & SUPPORTING INFORMATION

---

The following is a listing of data resources used by CompuWeather for Historical Weather Analysis:

- National Oceanic & Atmospheric Administration (NOAA)
- National Weather Service (NWS) hourly reporting stations
- National Weather Service special weather statements
- National Weather Service cooperative reporting station data
- National Weather Service climate summaries
- the May, 2006 issue of the National Weather Service publication “Storm Data and Unusual Weather Phenomena”

National Weather Service hourly reporting sites chosen for this study include:

### In Texas:

- Austin-Bergstrom International Airport
- Austin Mueller Municipal Airport

National Weather Service cooperative observers chosen for this study include:

### In Texas:

- Round Rock 3 NE
- Cedar Creek



## ABOUT COMPUWEATHER

---

CompuWeather is the nationwide leader in forensic consulting, analysis and reporting. Established in 1976, CompuWeather is headquartered in Hackensack, NJ about 90 miles north of New York City in the Hudson Valley. CompuWeather is best known for providing expert past weather reports that pinpoint the exact conditions for the time and location of a loss or incident. CompuWeather is one of the largest professional weather services in the United States.

Over the last 30 years, CompuWeather has produced over 50,000 past weather reports. Employing over 25 professional meteorologists, CompuWeather currently publishes approximately 500 reports per month for the insurance, legal, engineering and investigative communities. CompuWeather has built a reputation for the quality and accuracy of its work, rapid delivery of all products, personal service, and always live access direct to a meteorologist for any follow-up questions or requests.

CompuWeather works with all kinds of weather: Rain, Wind, Snow, Ice, Flood, Lightning, Hail, and can provide Specialty Hurricane Products and Custom Weather Graphics and Charts. Also available are many special services for our legal clients including: Rush Service, Phone Consultations, Certified Weather Data, and Nationwide Expert Testimony.

In 2005, CompuWeather earned the distinction of being one of the premier sources for hurricane related data and analysis. Introducing a hurricane specialty product line, made up of reports, maps, charts and specialty graphics, CompuWeather worked with most of the major insurance, legal and engineering firms involved with Hurricane Katrina, Katrina and Wilma. It is estimated that CompuWeather's products have been used to manage over 150,000 hurricane related claims throughout the Southeast and the Gulf Coast Region.

CompuWeather is also the leading producer of on-location, world-wide, site-specific forecasts for the film production industry. Our 24/7 global operations center services most feature films, movies, TV shows, videos, commercials and photographers when they choose to work outside on-location. CompuWeather forecasting subscription services also works with outside events, concerts and outings.

CompuWeather is one of 3 companies that make up the **FleetWeather Group of Companies**. Also included in the group are:

- **FleetWeather Ocean Services, Inc.** – World-Class Forecasting, Ship Routing and Performance Monitoring for Cargo Ships, Tankers and Yachts
- **FleetWeather Forecasting Services, Inc.** – Land-Based Forecasting and Advisories for Weather Sensitive Clients including major sports teams, school districts, municipalities, utility companies, construction companies, etc.





**CompuWeather, Inc.  
2566 Route 52  
Hopewell Junction, NY 12533  
United States**

**tel: 800-825-4445  
fax: 800-825-4441  
experts@compuweather.com  
www.compuweather.com**

**CompuWeather is a Member of the FleetWeather Group of Companies**

**© Copyright CompuWeather, Inc. 2006. All rights reserved.**

**Except for the intended recipient and their clients, this report may not be reproduced, stored in a retrieval system, or transmitted in any way or by any means, including photocopying or recording, without the written permission of the copyright holder, application for which should be addressed to the copyright holder.**