
**Probable Tornado
Maidstone (Windsor), Ontario
June 5, 2005**

Date- Local: Sunday, June 5th, 2005

UTC: Monday, June 6th, 2005

Time- Local: 2055

UTC: 0055

Location: Maidstone (Windsor), Ontario

Region: Windsor – Essex – Chatham – Kent

Classification: Probable Tornado (x2)

Category: H

Casualties: None

Track Length: N/A

Width: N/A

Motion: N/A

Damage Estimate: None available

F-Scale Rating: F0

Code: NI

Damage Survey: Yes, no damage found

Spotter Reports: One eye witness, Mr. Baltovich

Other Documents:

Two articles covering the storm, report on damage from the storm, and
SCPD log on the tornado

Tornado F-Scale Assessment

Brad Drummond

Tornado Data Production Assistant, Environment Canada

April 26, 2007

Classification: Probable Tornado

Date: Sunday, June 5th, 2005

Location: Maidstone (Windsor), Windsor – Essex – Chatham – Kent region

Assessment: F0

F-Code: NI

Explanation of Assessment: There was an eye witness account of the tornado however, no actual damage from the tornado was reported; while debris was seen in the tornado, no origins of where it came from were mentioned

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K.

16 June 28
K.

True

Storm hits region

By **STEPHEN HUEBL**
The Observer

A line of thunderstorms moved into the region Sunday evening bringing with them intense lightning and fierce winds.

Only minor damage was reported across the city, with numerous trees knocked down.

Lambton OPP reported a tree that fell on Mandaamin Road, just south of Confederation Street, blocked traffic in the southbound lane.

Power was also knocked out for most of the night to some residences in Forest, while people in Sarnia may have experienced very brief interruptions in their power.

The storms came in ahead of a

cold front that swept into the area, which brought heavy rains and wind gusts of up to 100 km/hr that were recorded in the Windsor area, said Environment Canada meteorologist Denis Pacquette.

The thunder storms covered an area from Windsor up to London and moved into the Sarnia area around 8:40 p.m.

The storms were a result of "very unstable" conditions, Pacquette said. "All the ingredients were there to produce a severe storm."

Tornado watches and warnings were issued in Michigan as a result of the storms.

The same system also brought severe storms to eastern Ontario. Pacquette said a funnel was reported just east of North Bay.



- We learnt about it from the newspapers



The Windsor Star (Windsor,ON)		Order/Commande
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logged by Jwagstaffe
on June 18 05
db Jwagstaffe

Storm fells trees, knocks out power

A storm Sunday evening that was bad but not as vicious as predicted knocked out power for as many as 12,000 city residents and felled tree branches and power lines across the area.

Four Enwin Utilities main feeder lines were knocked out when the storm struck just before 9 p.m. and transformers were out across the city.

The outages from trees and branches on wires were in Riverside, South Walkerville and South Windsor, said spokeswoman Sylvia de Vries.

Power lines were also down in Belle River and

there were reports of at least one felled tree in Kingsville. A LaSalle resident reported seeing a water spout cycling across the Detroit River.

Windsor police Sgt. Gord Wilson said there were no storm-related incidents other than sporadic outages of traffic lights.

Environment Canada had issued a severe weather watch warning of hail and damaging winds from a combination of a moist and unstable air mass over lower Michigan and a strong cold front crossing the Great Lakes.



June 05/05- Damage Reports for Windsor Area

- Newspaper article from Windsor reported power outage for 12,000 city residents and downed trees and power lines across the city in the evening hours. Lasalle residence also reported water spout cycling Detroit River. (More likely a funnel cloud).
- Damage report from Doug Archebal (519-436-6131) indicating a dozen trees down in a non-continuous 1/2km track between 01:00Z and 02:00Z to the SE of Chatham-Kent.
- CANWARN report from Windsor of an approaching gust front and cloud rotation at 00:23Z.
- Two funnel clouds spotted over Detroit River by a public observer. Screen windows were blown out of house, patio furniture blown around and boat was blown ashore at approximately 01:00Z.
- Another CANWARN observer spotted wall cloud overhead and this was confirmed by someone 10miles away as well. Time was approximately 01:00Z and gust front can be confirmed from radar.
- METAR report from Windsor at 00:40Z indicate 49knot gusts.
- OPP Comm received reports of circular winds and funnel clouds as well as zero visibility along the 401 in Windsor at 00:30Z. A public sighting of a funnel cloud was made at mile 15 on the 401. These reports are unconfirmed.
- This report was written by Dave Sills: Mr. Baltovich was driving west on the 401 as a large bow echo storm was approaching from the west. Out ahead of the bow, he spotted a huge column of dust and debris 500-1000 yards to the south of the 401 about 2 km E of the Tecumseh Concession Road 8 bridge. The dust cloud appeared to be several hundred yards wide and contained debris such a lumber. It appeared to have a rotating motion. This dust cloud appeared to be moving toward the east. He spotted a second dust cloud with debris and this one crossed the 401 from SW to NE near the bridge. The dust reduced the visibility to zero and his vehicle was rocked. He couldn't see how high the dust clouds extended to (e.g. cloud base), but the first one went quite high into the sky. He saw trees bending at about 45 degrees. After the bow echo arrived, there was very heavy rain and a huge gust of wind. He found marble sized hail on the shoulder farther west along the 401. Each dust cloud appeared to last 2-4 minutes. These could be gustnadoes but the size and duration suggest that these could have been non-supercell tornadoes occurring in the intense updraft region ahead of the bow echo. Very much like May 13 event. ~Sills (Time of event: 00:55Z)
- Reports of torrential rain and intense lightning in Sarnia. Trees and lines down North of Port Huron, MICH. Power outages in Sarnia as well. Time of event: 01:41Z.

Watches/Warnings

- A Severe Thunderstorm Warning was issued at 23:50Z for regions in Southern Ontario including Chatham-Kent. The watch was issued for the area at 21:46Z.

Weather

- The combination of moist and unstable air over Lower Michigan and a strong cold front crossing the Great Lakes produced favourable conditions for severe thunderstorms. Two clusters of severe thunderstorms were seen on radar over Lake Michigan. One cluster was over the thumb of Michigan and was moving 80km/h towards Windsor and Sarnia.

Radar Evidence

- At approximately 23:50Z, radar was showing a large area severe thunderstorms in a line from Georgian Bay to the East Shore of Lake Huron and then Southwestward to West of Windsor. These storms were capable of producing >2cm hail, wind gusts up to 90km/h, torrential rain and frequent lightning. There was also a slight risk for a tornado. Estimated time of arrival for Windsor was 00:00Z.

Event type	Tornado (vetted)
Event start date	2005-6-6 UTC (exact)
Event start time	00:55:00 UTC (exact)
Event duration	00:10:00 (close)
Entered by	seifertm (2006-08-29 16:58:47)
Event version	latest
fcst region	WINDSOR - ESSEX - CHATHAM-KENT
meso region	WINDSOR - LEAMINGTON - ESSEX COUNTY
Latitude/Longitude	42 ° 18' N 82 ° 50' W
Location	15 KM E of Windsor
Hail	yes
Hail size descriptor	N/A
Hail diameter	5 mm (estimated)
Hail depth	N/A
Wind	yes
Gust speed	N/A
Wind direction	N/A
Wind intensity	F0
Rain	no
Rain amount	N/A
Rain duration	N/A
Tornado	yes
Tornado intensity	F0 (estimated)
Lightning	no
Lightning Intensity	N/A
Mesocyclone	yes
Funnel Cloud	no
Waterspout	no
Narrative	<p>Mr. Baltovich was driving west on the 401 as a large bow echo storm was approaching from the west. Out ahead of the bow, he spotted a huge column of dust and debris 500-1000 yards to the south of the 401 about 2 km E of the Tecumseh Concession Road 8 bridge. The dust cloud appeared to be several hundred yards wide and contained debris such a lumber. It appeared to have a rotating motion. This dust cloud appeared to be moving toward the east. He spotted a second dust cloud with debris and this one crossed the 401 from SW to NE near the bridge. The dust reduced the visibility to zero and his vehicle was rocked. He couldn't see how high the dust clouds extended to (e.g. cloud base), but the first one went quite high into the sky. He saw trees bending at about 45 degrees. After the bow echo arrived, there was very heavy rain and a huge gust of wind. He found marble sized hail on the shoulder farther west along the 401. Each dust cloud appeared to last 2-4 minutes. These could be gustnadoes but the size and duration suggest that these could have been non-supercell tornadoes occurring in the intense updraft region ahead of the bow echo. Very much like May 13 event. Sills ***this was confirmed F0. changed confidence to "confirmed"****/seifert.</p>
Confidence	confirmed
Warning Criteria	met or exceeded
Source	Public

MSC initiated report of event	N/A
Contact name	Paul Baltovich
Contact phone	416-509-227
Contact email	N/A
Contact address	N/A
Number of fatalities	N/A
Fatality comments	N/A
Number of injuries	N/A
Injury comments	N/A
Damage amount	N/A
Damage comments	N/A
Power outage	N/A