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**Confirmed Tornado**  
**Merlin-Tilbury-Prairie Siding, Ontario**  
**August 9, 2000**

**Date- Local:** Wednesday, August 9<sup>th</sup>, 2000

**UTC:** Wednesday, August 9<sup>th</sup>, 2000

**Time- Local:** 1735

**UTC:** 2135

**Location:** Merlin-Tilbury-Prairie Siding

**Region:** Windsor – Essex – Chatham-Kent

**Classification:** Confirmed Tornado

**Category:** A

**Casualties:** None

**Track Length:** None available

**Width:** None available

**Motion:** None available

**Damage Estimate:** None available

**F-Scale Rating:** F1

**Code:** CB/BS

**Damage Survey:** Damage Investigation by Paul Robertson

**Spotter Reports:** Four

**Other Documents:**

Logs detailing findings of Paul's investigation.

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## **Tornado F-Scale Assessment**

Marci Vanhoucke

Tornado Data Production Assistant, Environment Canada

October 18, 2005

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**Classification:** Confirmed Tornado

**Date:** Wednesday, August 9<sup>th</sup>, 2000

**Location:** Merlin-Tilbury-Prairie Siding, Windsor-Essex-Chatham-Kent Region

**Assessment:** F1

**F-Code:** CB/BS

**Explanation of Assessment:** Paul Robertson investigated and found a barn flattened, roof damage to 2 houses, trees and power lines down and a concrete block building flattened.

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**CLASSIFICATION:** Severe Thunderstorm**SOURCE/WATCHER ID:** Marty Pfeifer**EVENT TIME (UTC):** 21-25 **EVENT DAY:** 9.0 **MONTH:** 8.0 **YEAR:** 2000.0 **EVENT DURATION (HR):** 0.0 **(MIN):** 0.0**DAY OF THE WEEK:****EVENT LOCALE:** Tilbury**ASOCTD PUBLIC RGN:** Windsor-Essex-Kent

Tornado 'touchdown' in Tilbury, SE of Lake St Clair.

**DETAILED DESCRIPTION:** (In all 3 tornadoes confirmed across Chatham-Kent with this storm.)**INITIAL ASSESSMENT:** YES**SPL WX STATEMENT IN EFFECT ?:** NO **STATEMENT LEAD TIME (HR):** (MIN):**WATCH IN EFFECT ?:** YES **WATCH LEAD TIME (HR):** (MIN):**WARNING IN EFFECT ?:** YES **WARNING LEAD TIME (HR):** (MIN):**TORNADO:** F?**WINDSPEED:****RAINFALL:** MM **RAIN DURATION:****HAIL DIAMETER:** MM **HAIL DESCRIPTION:****EVENT DESCRIPTION:** Tornado**Mesoscale ?:** **Synoptic ?:** **Big Event ?:****Statement Est Hit/Miss:** NO**Watch Est Hit/Miss:** YES**Warning Est Hit/Miss:** YES**Separate Event (30km/30min):** UKN**Vetted by:** CF**Vetted date:** 10/08/2000

**CLASSIFICATION:** Severe Thunderstorm**SOURCE/WATCHER ID:****EVENT TIME (UTC):** 21-20 **EVENT DAY:** 9.0 **MONTH:** 8.0 **YEAR:** 2000.0 **EVENT DURATION (HR):** 0.0 **(MIN):** 0.0**DAY OF THE WEEK:****EVENT LOCALE:** Close to Prairie Siding**ASOCTD PUBLIC RGN:** Windsor-Essex-Kent

**DETAILED DESCRIPTION:** Damage path 500 yards wide, shed destroyed, roof damage. Paul Robertson investigated, confirmed a tornado event. Paul said tornado shed lifted, hurled roof several hundred m. Funnel path 40 ft wide.

**INITIAL ASSESSMENT:** YES**SPL WX STATEMENT IN EFFECT ?:** NO **STATEMENT LEAD TIME (HR):** (MIN):**WATCH IN EFFECT ?:** YES **WATCH LEAD TIME (HR):** (MIN):**WARNING IN EFFECT ?:** YES **WARNING LEAD TIME (HR):** (MIN):**TORNADO:** F?**WINDSPEED:****RAINFALL:** MM **RAIN DURATION:****HAIL DIAMETER:** MM **HAIL DESCRIPTION:****EVENT DESCRIPTION:** Wind**Mesoscale ?:** **Synoptic ?:** **Big Event ?:****Statement Est Hit/Miss:** NO**Watch Est Hit/Miss:** YES**Warning Est Hit/Miss:** YES**Separate Event (30km/30min):** UKN**Vetted by:** RS**Vetted date:** 01/09/00

**CLASSIFICATION:** Severe Thunderstorm**SOURCE/WATCHER ID:** Paul Robertson Investigation**EVENT TIME (UTC):** 21-35 **EVENT DAY:** 9.0 **MONTH:** 8.0 **YEAR:** 2000.0 **EVENT DURATION (HR):** 0.0 **(MIN):** 0.0**DAY OF THE WEEK:****EVENT LOCALE:** Merlin**ASOCTD PUBLIC RGN:** Windsor-Essex-Kent**DETAILED DESCRIPTION:** Barn flattened; roof damage to 2 houses; trees down  
\*note time has been updated\***INITIAL ASSESSMENT:** YES**SPL WX STATEMENT IN EFFECT ?:** UKN **STATEMENT LEAD TIME (HR):** (MIN):**WATCH IN EFFECT ?:** UKN **WATCH LEAD TIME (HR):** (MIN):**WARNING IN EFFECT ?:** UKN **WARNING LEAD TIME (HR):** (MIN):**TORNADO:** F?**WINDSPEED:****RAINFALL:** MM **RAIN DURATION:****HAIL DIAMETER:** MM **HAIL DESCRIPTION:****EVENT DESCRIPTION:** Tornado**Mesoscale ?:** **Synoptic ?:** **Big Event ?:****Statement Est Hit/Miss:** UKN**Watch Est Hit/Miss:** UKN**Warning Est Hit/Miss:** UKN**Separate Event (30km/30min):** UKN**Vetted by:** duplicate**Vetted date:**

**CLASSIFICATION:** Severe Thunderstorm**SOURCE/WATCHER ID:** Investigation - Paul Robertson**EVENT TIME (UTC):** 21-35 **EVENT DAY:** 9.0 **MONTH:** 8.0 **YEAR:** 2000.0 **EVENT DURATION (HR):** 0.0 **(MIN):** 0.0**DAY OF THE WEEK:****EVENT LOCALE:** Merlin**ASOCTD PUBLIC RGN:** Windsor-Essex-Kent**DETAILED DESCRIPTION:** Definite touchdown, concrete block building flattened, tree damage. Confirmed F1 with winds 117-180 km/h. Tornado snapped limbs, uprooted others, knocked out power lines.**INITIAL ASSESSMENT:** YES**SPL WX STATEMENT IN EFFECT ?:** NO **STATEMENT LEAD TIME (HR):** (MIN):**WATCH IN EFFECT ?:** YES **WATCH LEAD TIME (HR):** (MIN):**WARNING IN EFFECT ?:** YES **WARNING LEAD TIME (HR):** (MIN):**TORNADO:** F1**WINDSPEED:****RAINFALL:** MM **RAIN DURATION:****HAIL DIAMETER:** MM **HAIL DESCRIPTION:****EVENT DESCRIPTION:** Tornado**Mesoscale ?:** **Synoptic ?:** **Big Event ?:****Statement Est Hit/Miss:** NO**Watch Est Hit/Miss:** YES**Warning Est Hit/Miss:** YES**Separate Event (30km/30min):** UKN**Vetted by:** CF**Vetted date:** 10/08/2000