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**Probable Tornado  
Centralia, Ontario  
July 28, 1986**

**Date- Local:** Monday, July 28<sup>th</sup>, 1986.

**UTC:** Monday, July 28<sup>th</sup>, 1986.

**Time-Local:** 16:45

**UTC:** 20:45

**Location:** 6 miles E. of Centralia

**Region:** Huron – Perth

**Classification:** Probable Tornado

**Category:** H

**Casualties:** None

**Track Length:** None Available

**Width:** None Available

**Motion:** None Available

**Damage Estimate:** None available

**F-Scale Rating:** F0

**Code:** NI

**Damage Survey:** None

**Spotter Reports:** None

**Other Documents:**

Logged event citing pilots had witnessed 3 tornadoes touchdown and picking up debris.

Map of location of sightings.

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## **Tornado F-Scale Assessment**

Marci Vanhoucke

Tornado Data Production Assistant, Environment Canada

July 12, 2005.

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**Classification:** Probable Tornado

**Date:** Monday, July 28<sup>th</sup>, 1986.

**Location:** 6 miles E. of Centralia, Huron – Perth

**Assessment:** F0

**F-Code:** NI

**Explanation of Assessment:** There are logged events citing pilots were eyewitnesses to 3 tornado touchdowns. It could be seen that at least one tornado was picking up debris. However, there was not any significant damage reported at the surface. Due to the lack of damage, this tornado is rated an F0.

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**CLASSIFICATION:** Severe Thunderstorm

**SOURCE/WATCHER ID:**

**EVENT TIME (UTC):** 20-45 **EVENT DAY:** 28.0 **MONTH:** 7.0 **YEAR:** 1986.0 **EVENT DURATION (HR):** 0.0 **(MIN):** 0.0

**DAY OF THE WEEK:**

**EVENT LOCALE:** 6 mi E of Centralia

**ASOCTD PUBLIC RGN:** Huron-Perth

Funnel cloud; brief tornado touchdown. No damage reported.

**DETAILED DESCRIPTION:**

**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:**

**WINDSPEED:**

**RAINFALL:** MM **RAIN DURATION:**

**HAIL DIAMETER:** MM **HAIL DESCRIPTION:**

**EVENT DESCRIPTION:** Tornado

**Mesoscale ?:** **Synoptic ?:** **Big Event ?:**

**Statement Est Hit/Miss:**

**Watch Est Hit/Miss:**

**Warning Est Hit/Miss:**

**Separate Event (30km/30min):** YES

**Vetted by:**

**Vetted date:**

SEVERE WEATHER LOG.

DATE	TIME OF WATCHER CALL	TIME OF SEVERE WX EVENT	LOCATION OF EVENT	WATCHER REPORT	WATCHER NAME	WATCHER NUMBER	INIT.
27 JULY	3:55 PM	≈ 3:45 PM	CENTRALIA	HVY TR PAST 10 MIN; SIGHTED FUNNEL CLD WHICH DIDN'T TOUCH DOWN.	PASSED ALG BY XU W04		SR
28 JULY	5:00	20:45	5-6 KM E CENTRALIA	SEVERAL <del>PILOTS</del> PILOTS SIGHTING 3 TORNADOES APPROX 1 MIN MOVG NE DEBRIS PICKED UP	FRANK LUCHNER	YXU W0	WA
28 JULY	4:45	4:45	3 KM W WARWICK	HVY RAIN AT LEAST 20 mm. <del>RAIN</del> STRONG WIND SWAYED TREE OFF	JIM VANOS		WA
28 JUL	5:07	5:07	WALTERS FALLS WOS MEAFUND	GREEN CLOUD. VORTEX (SEVERAL) HVY RAIN CLOSING <sup>MOVG</sup> NE → SW NOW SW → NE FREQ LONG	VENCE BOWEN	393	WA
29 July	2200 EDT	2200 EDT	NR THAMESFORD	MASSIVE AMOUNT OF CLOUD, FRT LTNG MOVE ESE →	JON VERKLIYA 519-296-4402	431	A
29 Jul	CALLED YXU 09:30			RE: TORNADOES NR CENTRALIA. NO DAMAGE REPORTED. MEDIA SAID THAT THERE WAS PROBABLY LITTLE IF ANY DAMAGE. YXU WILL CALL BACK IF SOMETHING IS REPORTED			WA
31 Jul	<del>5:20 PM</del> 5:20 PM	21Z	Meadowdale	Flooding	Unidentified		B.A.

# WEATHER LOG.

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31 Jul	<del>5:15</del> 5:20 PM	21Z	Meadowdale	Flooding	Unidentified		B.A.

SAS> CIR UACN10 YZ

Observations not available for CIR

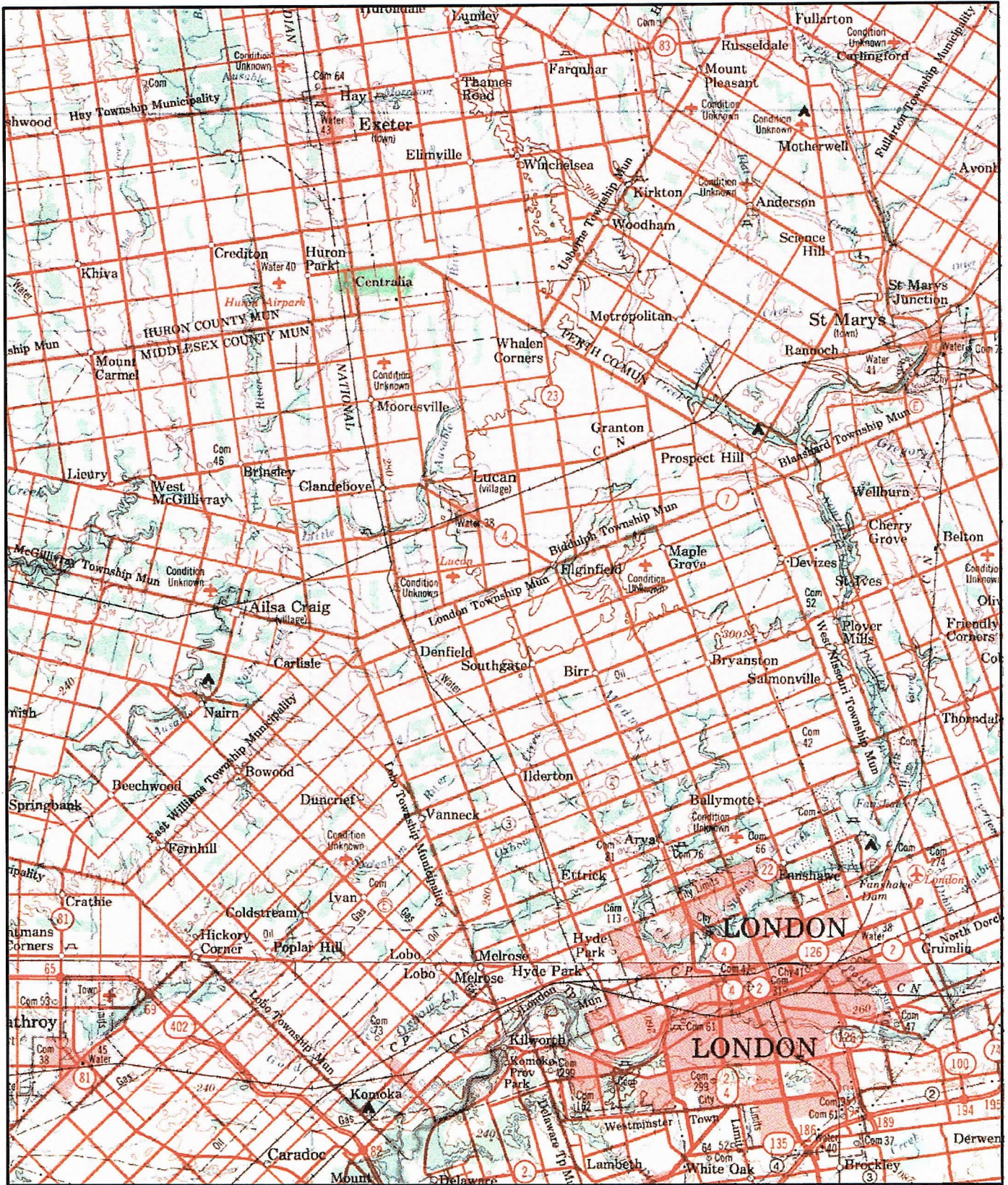
SAS> /CIR UACN10 YZ

This display has a listing break feature.

*June '86*

UACN10 CYYZ 282045

UUA /DV 005-006 EAST YCE 2045 FL ON GND /RM SEVERAL PILOTS REPORT  
SIGHTING 3 SEPERATE TORNADOS TOUCH DOWN FOR APRX 1 MIN EACH. MOVING  
NELY=



SEVERE - WEATHER RECORD

DATE	WATCH NO.	WARNING NO.	TIME ISSUED (edt)	TIME EXPIRE (edt)	FORECAST REGION	MARINE LAKE	SEQUENCE OF NOTICE TIMES(edt)	ACTIVE (HR)	DAMAGE RECORD				
									WO-4	WATCHER (check (✓) one)	MEDIA	OTHER	TIME (EDT)
JULY 28	67		15:40	20:00	✓ LKE. ERIE ✓ LKE. HURON ✓ S-GEO. BAY ✓ HALIBURTON ✓ W-LKE. ONT	S-HURON S-GEO. BAY SIMCOE	UPDATED 20:00 ALL SECTORS UNTIL 22:00 CANCELLED 21:50 ALL SECTORS	6.2	✓				16:45 CENTRALIA (AS RELAYED YXU) PIREP - 3 TORNADOES SIGHTED TOUCHING DOWN FOR A MAXIMUM PERIOD OF 1 MIN - DEBRIS OBSERVED IN FUNNEL NOTE: NO REPORTS OF DAMAGE FROM THE REGION, <del>FROM</del> FOLLOWING EVENT. 16:45 WARWICK (LAMBTON CNTY.) - HEAVY RAINFALL - TREES DAMAGED IN WIND GUSTS 17:07 MEAFORD (GREY CNTY.) - HEAVY RAINFALL - SEVERE LIGHTNING 22:00 THAMESFORD (OXFORD CNTY.) - HEAVY RAINFALL - SEVERE LIGHTNING
JULY 28		68	16:10	18:30	✓ MUSKOKA ✓ SIMCOE ✓ GREY ✓ DUFFERIN ✓ WELLINGTON ✓ WATERLOO ✓ PERTH ✓ HURON ✓ HALIBURTON	SIMCOE GEO. BAY (PARRY SOUND TO TOBERMORGY)	EXPIRED 18:30	2.3	✓				
JULY 28		69	17:18	19:00	✓ PERTH ✓ OXFORD ✓ WATERLOO		CANCELLED 18:20 ALL REGIONS	1.0	✓				
JULY 28		70	18:45	19:45	✓ ELGIN	C-ERIE (RONDEAU TO LONG POINT)	EXPIRED 19:45	1.0					

$\frac{29}{52}$        $\frac{19}{69} = 28\%$