
**Confirmed Tornado
London, Ontario
August 1, 2000**

Date- Local: Tuesday, Aug 1st, 2000

UTC: Tuesday, Aug 1st, 2000

Time- Local: 1500

UTC: 1900

Location: London

Region: London-Middlesex

Classification: Confirmed Tornado

Category: B

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 available

Spotter Reports: Three

Other Documents:

Tornado Survey Form

Personal Correspondence of David Sills MSC King Radar, and Steve Robinson

Two color photographs by Steve Robinson, computer printout

sjs

Meteorological Service of Canada
4905 Dufferin Street, ARMP
Downsview, Ontario M3H 5T4
CANADA

Tornado F-Scale Assessment

Sarah J. Sriver

Tornado Data Production Assistant, Environment Canada

April 21st, 2004

Classification: Confirmed Tornado

Date: Tuesday, August 1st, 2000

Location: London, London-Middlesex Region

Assessment: F0

F-Code: NI

Explanation of Assessment: No damage reported.

SJS

Meteorological Service of Canada
4905 Dufferin Street, ARMP
Downsview, Ontario M3H 5T4
CANADA



Sills, David [Ontario]

From: Steve Robinson[SMTP:sdrobinson@home.com]
Sent: August 1, 2000 10:17 PM
To: David.Sills@ec.gc.ca
Subject: Re: possible tornado

Hi Dave;

I hope this makes sense to you. Still pictures only. Facing in a NW direction. Please call me if you require more information.
Home phone (519)659-6406 Work (519)661-2345 (8am to 3:30pm)

I noticed what appeared to be a Wall Cloud at approx. 3:50pm, North of London Ont. (Straight sides and flat wispy bottom) I observed small wispy clouds moving faster around the outside of this cloud. Then, all of a sudden the bottom of the cloud started to look like an upside down Dairy Queen Ice Cream Cone, rounded bottom sides and a point growing down from the middle of the cloud. This happened, in my best guess, at the Wonderland Rd N, Sunningdale Rd area. Next, within the course of a minute or two, what looked like 3 separate small tornados (see through) extended to the ground from the main Tornado. It looked like there were dark thicker clouds at the base of these. I hesitate to say debris, but I am quite sure looked like dark dirt to me. This lasted but only for a short time. It traveled from West to East. I ran up the stairs to the observation deck at City Hall, where I work, to get better pictures but at that point the Tornado (Funnel Cloud) was entering a light gray hazy cloud area. You could still see the same shape that the pictures showed, but it was hard to make out all the features. At this point it would have been between Adelaide St N and Highbury Ave N (Between 3:00 and 3:10pm). There were four people on the observation deck when I arrived who immediately asked me if I got a picture when it touched down. 5 other people were with me on the 8th floor when I took the pictures. I heard some thunder in the area before I noticed the Tornado, but at the time I believe the clouds were dark to the south of London as well.

David.Sills@ec.gc.ca wrote:

>
> Hi Steve,
>
> I'm a severe weather scientist with Environment Canada and was forwarded
> your pictures. They do seem to show a funnel cloud but it is difficult to
> confirm a tornado with just the stills. Are these images captures from a
> video? If so, it would be good to get a copy of the video. Did you see the
> cloud rotating at all? Sometimes cloud fragments under a storm can look an
> awful lot like a tornado.
>
> Did you hear of any damage in the area? If so, I may conduct a survey there
> later this week.
>
> Any other details you can offer would be appreciated ie. unusual weather
> before, during and after event, exact time of event, your location and
> direction facing, movement of funnel, etc.
>
> Thanks!

Spotter Reports, August 1, 2000

CLASSIFICATION: Severe Thunderstorm **SOURCE/WATCHER ID:** Blenheim News Tribune **EVENT TIME (UTC):** 05-30 **EVENT DAY:** 1.0 **MONTH:** 8.0 **YEAR:** 2000.0 **EVENT DURATION (HR):** 0.0 **(MIN):** 0.0 **DAY OF THE WEEK:** **EVENT LOCALE:** Blenheim **ASOCTD PUBLIC RGN:** Windsor-Essex-Kent **DETAILED DESCRIPTION:** "Few trees blown time. Time estimate from radar" **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:** NO **WINDSPEED:** **RAINFALL:** MM **RAIN DURATION:** **HAIL DIAMETER:** MM **HAIL DESCRIPTION:** **EVENT DESCRIPTION:** Wind Mesoscale ? : Synoptic ? : Big Event ? : Statement Est Hit/Miss: UKN Watch Est Hit/Miss: UKN Warning Est Hit/Miss: UKN Separate Event (30km/30min): Vetted by: Myatt Vetted date: 17/07/2002

CLASSIFICATION: Severe Thunderstorm **SOURCE/WATCHER ID:** Dave Brain **EVENT TIME (UTC):** 16-35 **EVENT DAY:** 1.0 **MONTH:** 8.0 **YEAR:** 2000.0 **EVENT DURATION (HR):** 0.0 **(MIN):** 0.0 **DAY OF THE WEEK:** **EVENT LOCALE:** 3-4 miles NW of Orillia **ASOCTD PUBLIC RGN:** Barrie-Huron **DETAILED DESCRIPTION:** "Dave Brain called: a Barrie radio station reported an unconfirmed funnel cloud. (Time an estimate.) Note: lat/long of Orillia" **INITIAL ASSESSMENT:** UNCONFIRMED **SPL WX STATEMENT IN EFFECT ?:** NO **STATEMENT LEAD TIME (HR): (MIN):** **WATCH IN EFFECT ?:** NO **WATCH LEAD TIME (HR): (MIN):** **WARNING IN EFFECT ?:** YES **WARNING LEAD TIME (HR): (MIN):** **TORNADO:** POSSIBLE **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: NO Warning Est Hit/Miss: YES Separate Event (30km/30min): UKN Vetted by: Myatt Vetted date: 17/07/2002

CLASSIFICATION: Severe Thunderstorm **SOURCE/WATCHER ID:** Phil Chadwick **EVENT TIME (UTC):** 16-45 **EVENT DAY:** 1.0 **MONTH:** 8.0 **YEAR:** 2000.0 **EVENT DURATION (HR):** 0.0 **(MIN):** 0.0 **DAY OF THE WEEK:** **EVENT LOCALE:** 5 km N of Hammertown **ASOCTD PUBLIC RGN:** York-Durham **DETAILED DESCRIPTION:** "Trees down (fire trucks on the scene)." **INITIAL ASSESSMENT:** NEAR-SEVERE **SPL WX STATEMENT IN EFFECT ?:** NO **STATEMENT LEAD TIME (HR): (MIN):** **WATCH IN EFFECT ?:** NO **WATCH LEAD TIME (HR): (MIN):** **WARNING IN EFFECT ?:** YES **WARNING LEAD TIME (HR): (MIN):** **TORNADO:** NO **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: NO Warning Est Hit/Miss: YES Separate Event (30km/30min): UKN Vetted by: CF Vetted date: 06/08/00

CLASSIFICATION: Severe Thunderstorm **SOURCE/WATCHER ID:** Steve Robinson via Dave Sills **EVENT TIME (UTC):** 19-00 **EVENT DAY:** 1.0 **MONTH:** 8.0 **YEAR:** 2000.0 **EVENT DURATION (HR):** 0.0 **(MIN):** 20.0 **DAY OF THE WEEK:** **EVENT LOCALE:** northern London **ASOCTD PUBLIC RGN:** London-Middlesex-Oxford **DETAILED DESCRIPTION:** "Wall cloud spotted at 2:50pm, three semi-transparent funnels appeared below wall cloud and stirred up debris at ground near 3pm (photos), watched until 3:10pm, thunder heard, no rain, tracked from E to W for about 8 km, damage unknown at this time" **INITIAL ASSESSMENT:** YES **SPL WX STATEMENT IN EFFECT ?:** NO **STATEMENT LEAD TIME (HR):** (MIN): **WATCH IN EFFECT ?:** NO **WATCH LEAD TIME (HR):** (MIN): **WARNING IN EFFECT ?:** NO **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:** NO **Watch Est Hit/Miss:** NO **Warning Est Hit/Miss:** NO **Separate Event (30km/30min):** UKN **Vetted by:** RS **Vetted date:** 03/08/00

CLASSIFICATION: Severe Thunderstorm **SOURCE/WATCHER ID:** **EVENT TIME (UTC):** 19-00 **EVENT DAY:** 1.0 **MONTH:** 8.0 **YEAR:** 2000.0 **EVENT DURATION (HR):** 0.0 **(MIN):** 0.0 **DAY OF THE WEEK:** **EVENT LOCALE:** North side of London **ASOCTD PUBLIC RGN:** London-Middlesex-Oxford **DETAILED DESCRIPTION:** "Large funnel cloud reported. No indication of touchdown. (General wx statement issued at 20:45Z indicating funnel cloud sightings near London.)" **INITIAL ASSESSMENT:** NEAR-SEVERE **SPL WX STATEMENT IN EFFECT ?:** NO **STATEMENT LEAD TIME (HR):** (MIN): **WATCH IN EFFECT ?:** NO **WATCH LEAD TIME (HR):** (MIN): **WARNING IN EFFECT ?:** NO **WARNING LEAD TIME (HR):** (MIN): **TORNADO:** POSSIBLE **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:** NO **Warning Est Hit/Miss:** NO **Separate Event (30km/30min):** UKN **Vetted by:** RS **Vetted date:** 03/08/00

CLASSIFICATION: Severe Thunderstorm **SOURCE/WATCHER ID:** Kelland/Hansen Group (kelly_hansen@scotia-mcleod.com) **EVENT TIME (UTC):** 19-30 **EVENT DAY:** 1.0 **MONTH:** 8.0 **YEAR:** 2000.0 **EVENT DURATION (HR):** 0.0 **(MIN):** 0.0 **DAY OF THE WEEK:** **EVENT LOCALE:** London **ASOCTD PUBLIC RGN:** London-Middlesex-Oxford **DETAILED DESCRIPTION:** "Several people in Kelland/Hansen Group office thought they saw a tornado touchdown about 19:30Z N of Masonville Mall in London. Only stayed on ground for a few moments. (General wx statement issued at 20:45Z stating funnel cloud sightings near London.)" **INITIAL ASSESSMENT:** UNCONFIRMED **SPL WX STATEMENT IN EFFECT ?:** NO **STATEMENT LEAD TIME (HR):** (MIN): **WATCH IN EFFECT ?:** NO **WATCH LEAD TIME (HR):** (MIN): **WARNING IN EFFECT ?:** NO **WARNING LEAD TIME (HR):** (MIN): **TORNADO:** POSSIBLE **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: NO Warning Est Hit/Miss: NO Separate Event (30km/30min): UKN Vetted by:
RS Vetted date: 03/08/00

CLASSIFICATION: Severe Thunderstorm **SOURCE/WATCHER ID:** #1997 **EVENT TIME (UTC):** 20-45 **EVENT DAY:** 1.0 **MONTH:** 8.0 **YEAR:** 2000.0 **EVENT DURATION (HR):** 0.0 **(MIN):** 0.0 **DAY OF THE WEEK:** **EVENT LOCALE:** Carleton Place **ASOCTD PUBLIC RGN:** Frontenac-Lanark **DETAILED DESCRIPTION:** "Wall cloud/tail cloud"
INITIAL ASSESSMENT: NO SPL WX **STATEMENT IN EFFECT ?:** NO **STATEMENT LEAD TIME (HR): (MIN):** **WATCH IN EFFECT ?:** NO **WATCH LEAD TIME (HR): (MIN):** **WARNING IN EFFECT ?:** YES **WARNING LEAD TIME (HR): (MIN):**
TORNADO: NO **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:** NO **Warning Est Hit/Miss:** YES **Separate Event (30km/30min): UKN Vetted by:** RS **Vetted date:** 03/08/00

CLASSIFICATION: Severe Thunderstorm **SOURCE/WATCHER ID:** Stephane Seguin (sseguin@sympatico.ca)613-938-2217 **EVENT TIME (UTC):** 22-45 **EVENT DAY:** 1.0 **MONTH:** 8.0 **YEAR:** 2000.0 **EVENT DURATION (HR):** 0.0 **(MIN):** 0.0 **DAY OF THE WEEK:** **EVENT LOCALE:** Cornwall **ASOCTD PUBLIC RGN:** Cornwall **DETAILED DESCRIPTION:** "Impressive lightning strikes, few branches down, pea sized hail. Event time is rough estimate, as Stephane wondered why the warning was dropped, so apparently events occurred past 22:45Z." **INITIAL ASSESSMENT:** NO SPL WX **STATEMENT IN EFFECT ?:** NO **STATEMENT LEAD TIME (HR): (MIN):** **WATCH IN EFFECT ?:** NO **WATCH LEAD TIME (HR): (MIN):** **WARNING IN EFFECT ?:** YES **WARNING LEAD TIME (HR): (MIN):** **TORNADO:** NO **WINDSPEED:** **RAINFALL:** MM **RAIN DURATION:** **HAIL DIAMETER:** MM **HAIL DESCRIPTION:** 7 **EVENT DESCRIPTION:** Wind/Hail Mesoscale ?:
Synoptic ?: **Big Event ?:** **Statement Est Hit/Miss:** NO **Watch Est Hit/Miss:** NO **Warning Est Hit/Miss:** NO **Separate Event (30km/30min): UKN Vetted by:** RS **Vetted date:** 03/08/00