A

TORNADO PROJECT SUMMARY SHEET

JULY

F=1

1. DATE AND TIME 18.7.1952. 1730 EST

2. LOCATION OR PATH (attach map) ① PUSLINCH 06952-03
DESCRIBED AT ONE POINT AS TRAVELLING IN AN "S" SHAPE
② OAKVILLE 06952-05

3. PATH LENGTH ☐ NOT KNOWN ☐ <1mi; ☐ 1-4mi; ☐ 5-10mi; ☒ 15 11-50mi; ☐ LENGTH IF>50mi

4. PATH WIDTH 10 ACRE FIELDS. AS WIDE AS A TORNADO PART OF SQUALL LINE? ☐ YES; ☑ NO; ☐ UNKNOWN:

6. ANY UNUSUAL COLORATION? ☑ YES; ☐ NO; ☐ UNKNOWN

7. ANY UNUSUAL SOUND? ☑ YES; ☐ NO; ☐ UNKNOWN

8. IF ANSWER TO 6 OR 7 YES, ELABORATE; 6. BLACK
7. THE SOUND OF A TRAIN PASSING OVER A TRESTLE BRIDGE

9. LIST ANY ASSOCIATED PHENOMENA
(Such as hail, vivid lightning heavy rain, no rain, etc.)

10. TOTAL DAMAGE ESTIMATE $TENS OF THOUSANDS 11. TOTAL DEATHS NONE

12. TOTAL INJURED NONE 13. TOTAL HOMELESS NONE

14. LIST ALL REFERENCES TORONTO DAILY STAR, JULY 19 1952.
PERSONAL CORRESPONDENCE WITH MRS MARTIN PADDOCK OF PUSLINCH.

15. SUMMARIZE REMARKS PERTAINING TO (a) FUNNEL; (b) INTERESTING OR CAPRICIOUS EVENTS.

(a) ALEX CONNELL LOOKING OUT OVER HIS FARM LANDS SAW THE BLACK FUNNEL COMING FROM A MILE AWAY.
MRS PADDOCK LOOKING WEST FROM HER KITCHEN WINDOW SAW A BLACK FUNNEL SHAPED CLOUD BEARING DOWN ON HER WITH TREES WHIRLING IN IT

(b) BARNS DEMOLISHED AND DEBRIS SCATTERED INTO TREES AND ACROSS FIELDS. A CAR TOSSED 50 FEET. TREES UPROOTED. CLOTHING SUCKED OUT OF HOUSES. A CONCRETE BLOCK BUILDING UNDER CONSTRUCTION COLLAPSED AND THE FRAMEWORK TWISTED IN KNOTS.

CONVERSATION WITH MRS MARTIN PADDOCK. ON JULY 18 1980.
TO LOCATE HER FARM ON TOP. MAP BY P. ELMS.
(519)-824-6659

MRS PADDOCK MENTIONED A MR FIXTER WHO HAD DAMAGE IN THE PUSLINCH TORNADO
The PADDOCK House had 14" brick walls tipped in

WORKSHEET 06952057

$l = 5000$
$w = 500$

ORIGIN x 17598500
y 4809200

Standard Error S_x
R 456 m

LIFT-OFF x_1 17606600
y_1 4808600

Standard Error S_y
C 1000 m

$(x_1 - x) = 8100$
$(y - y_1) = 600$

DAMAGE LENGTH

$$L = [(x_1 - x)^2 + (y - y_1)]^{1/2}$$
$$= 8122 \text{ m}$$

Standard Error $S_L = (S_x^2 + S_y^2)^{1/2}$
$= 1099$ m

$$\beta = \frac{S_L}{57.29 L}$$
$= 8^\circ$

$$\alpha = \tan^{-1} \frac{|y - y_1|}{|x - x_1|} = 4.2^\circ$$

NE Quad $\phi = 90 - \alpha$
NW Quad $\phi = 270 + \alpha$
SW quad $\phi = 270 - \alpha$

SE quad $\phi = 90 + \alpha$

$\phi = 274^\circ$

WORKSHEET 0695203

$l = 8000$
$w = 500$

ORIGIN x 17560000
y 4807300

Standard Error S_x
R 577

LIFT-OFF x_1 17580000
y_1 4806400

Standard Error S_y
R 577

$(x_1 - x) =$ 20000
$(y - y_1) =$ 900

DAMAGE LENGTH

$$L = [(x_1 - x)^2 + (y - y_1)]^{1/2}$$
$$= 20020 \text{ m}$$

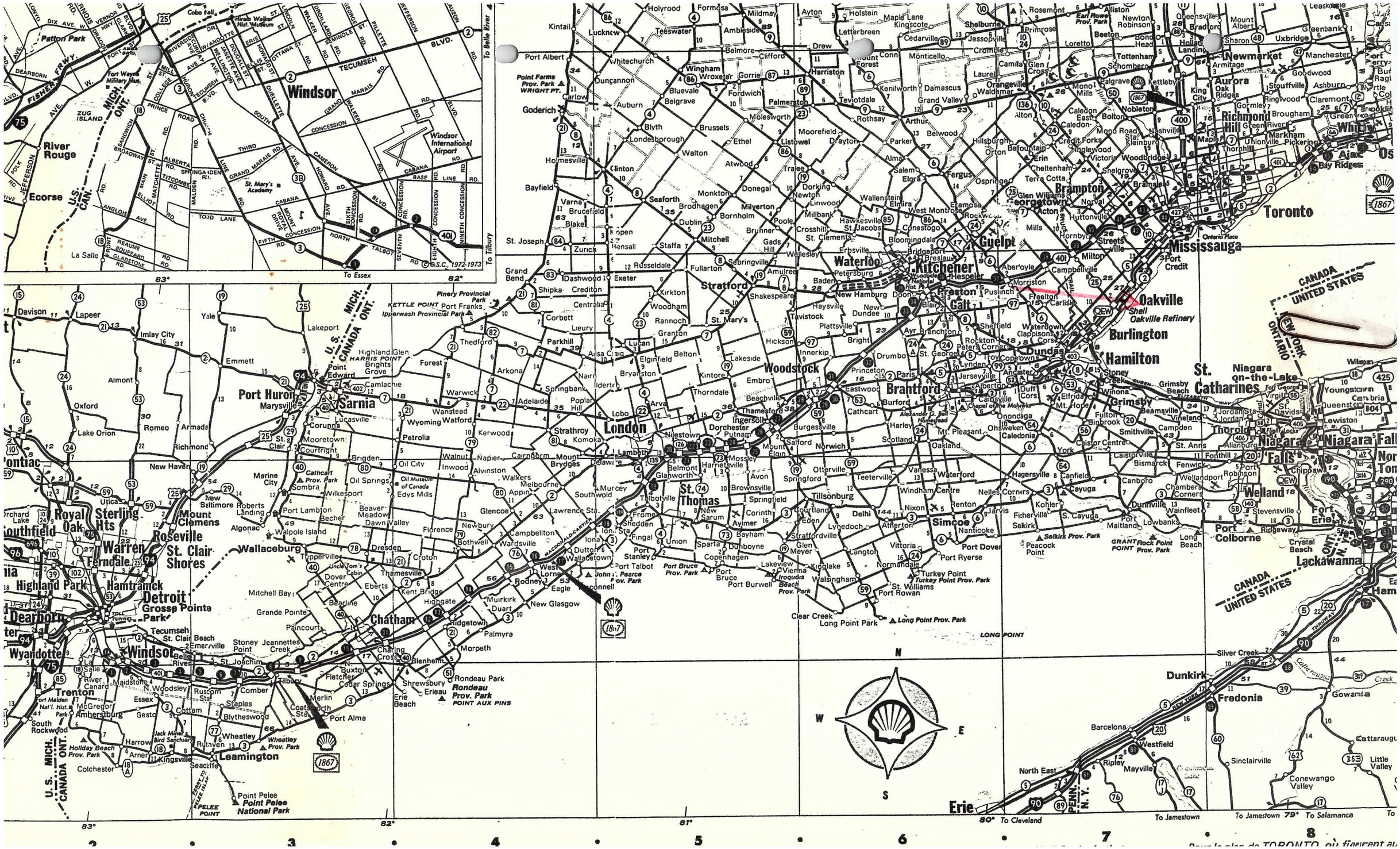
Standard Error $S_L = (S_x^2 + S_y^2)^{1/2}$
$= 816$ m

$$\beta = \frac{S_L}{57.29L}$$
$= 2°$

$$\alpha = \tan^{-1} \frac{|y - y_1|}{|x - x_1|}$$
$2.57°$

NE Quad $\phi = 90 - \alpha$
NW Quad $\phi = 270 + \alpha$
SW quad $\phi = 270 - \alpha$

SE quad $\phi = 90 + \alpha$
$\phi = 273°$


Windsor
Windsor International Airport
Detroit
Grosse Pointe Park
Hamtramck
Highland Park
Dearborn
Wyandotte
Trenton
Ecorse
River Rouge
Roseville
St. Clair Shores
Warren
Ferndale
Royal Oak
Sterling Hts
Mount Clemens
Port Huron
Marysville
Sarnia
Wallaceburg
Chatham
Leamington
Tilbury
Kingsville
Amherstburg
Essex
Lakeport
Point Edward
Oil Springs
Oil Museum of Canada
Cathcart Prov. Park
Sombra
Port Lambton
Walpole Island
Algonac
Tuppervillle
Uncle Tom's Cabin
Dover Centre
Eberts
Kent Bridge
Thamesville
Dresden
Croton
Mitchell Bay
Grande Pointe
Paincourt
Bearline
Tecumseh
St. Clair Beach
Stoney Point
Jeannettes Creek
Belle River
Maidstone
Woodsley
Comber
Ruscom Sta.
Staples
Blytheswood
Wheatley
Wheatley Prov. Park
Ruthven
Harrow
Arner
Colchester
Holiday Beach Prov. Park
Jack Miner Bird Sanctuary
Seacliffe
Point Pelee
Point Pelee National Park
Pelee Point
Ferry to Pelee Island
Erie Beach
Shrewsbury
Erieau
Rondeau Park
Rondeau Prov. Park
Point Aux Pins
Merlin
Coatsworth
Port Alma
Fletcher
Cedar Springs
Buxton
Charing Cross
Blenheim
Ridgetown
Morpeth
Palmyra
Duart
Muirkirk
New Glasgow
Bodney
Eagle
Lorne
Wallaceburg
Dutton
Wallacetown
John R. Pearce Prov. Park
McConnell
Port Stanley
Port Talbot Prov. Park
Port Bruce
Port Bruce Prov. Park
Port Burwell
Lakeview
Vienna
Iroquois Beach Prov. Park
Walsingham
Port Rowan
St. Williams
Turkey Point
Turkey Point Prov. Park
Port Dover
Clear Creek
Long Point Park
Long Point Prov. Park
Long Point
Peacock Point
Selkirk Prov. Park
Rock Point Prov. Park
Grant Point
Port Maitland
Lowbanks
Long Beach
Port Colborne
Crystal Beach
Ridgeway
Fort Erie
Lackawanna
Chippawa
Niagara Falls
Niagara-on-the-Lake
St. Catharines
Welland
Thorold
Grimsby
Beamsville
Vineland
Jordan
Jordan Sta.
St. Davids
Queenston
Youngstown
Lewiston
Fulton
Binbrook
Smithville
Campden
Mt. Hope
Elfrida
Duff Cors
Ancaster
Dundas
Hamilton
Stoney Creek
Winona
Grimsby Beach
Fruitland
Burlington
Oakville
Shell Oakville Refinery
Earl Rowe Prov. Park
Mississauga
Port Credit
Brampton
Georgetown
Acton
Norval
Milton
Campbellville
Morriston
Freelton
Carlisle
Guelph
Kitchener
Waterloo
Preston
Galt
Hespeler
Cambridge
New Hamburg
Baden
Petersburg
Woodside Nat'l Hist. Park
Stratford
Shakespeare
Woodstock
Ingersoll
Tavistock
Plattsville
New Dundee
Haysville
Bright
Ayr
Branchton
Sheffield
Waterdown
Clappisons
Corss
Rockton
Peters Corners
Lynden
Troy
Copetown
St. George
Jerseyville
Caistorville
Brantford
Burford
Alexander Graham Bell Homestead
Chapel of the Mohawks
Onondaga
Caledonia
Cathcart
Burgessville
Princeton
Drumbo
Innerkip
Embro
Eastwood
Beachville
Thamesford
Ingersoll
Dorchester
Putnam
Nilestown
Lambeth
Belmont
Harrietsville
Mossley
Glanworth
Avon
Springford
Otterville
Teeterville
Vanessa
Waterford
Hagersville
Canfield
Cayuga
Canboro
Wellandport
Robinson
Chambers Corners
Dunnville
Wainfleet
Fisherville
Sekirk
S. Cayuga
Nanticoke
Nelles Corners
Renton
Jarvis
Simcoe
Windham Centre
Tillsonburg
Delhi
Nixon
Atherton
Courtland
Eden
Lynedoch
Aylmer
Bayham
Dunboyne
Glen Meyer
Langton
Kingslake
Normandale
Vittoria
Port Ryerse
Port Dover
Lakeshore
Port Stanley
Port Talbot
Copenhagen
Port Bruce
Port Burwell
Lakeview
Vienna
Iroquois Beach
Walsingham
Port Rowan
St. Williams
Turkey Point
Turkey Point Prov. Park

JULY 18 1952 6:30 pm EDT

Puslingh

[illegible]

The Ontario Weather Centre
Box 159 Toronto, ONT. L5P 1B1

Dear Sir:

Re: Your notice in [illegible] about Tornado eye witnesses

We had had a very hot humid day, on July 18, 1952. A shower, near supper time so I asked the men to have early supper which was very fortunate for us all. Two of the boys were helping me with the dishes. I took some cherries I had canned down cellar + when I came back up, I went to the sink, which faced

[illegible] I looked [illegible] This black [illegible] shaped cloud. Leaving [illegible] screamed down [illegible] to the boys to run up [illegible] shut upstairs windows [illegible] ran outside to pick up our youngest boy who was playing on an outside cellar door on the back [illegible] I [illegible] my husband looking [illegible] [illegible] I [illegible] + shook my hands at him and grabbed the child + ran inside I could not get the

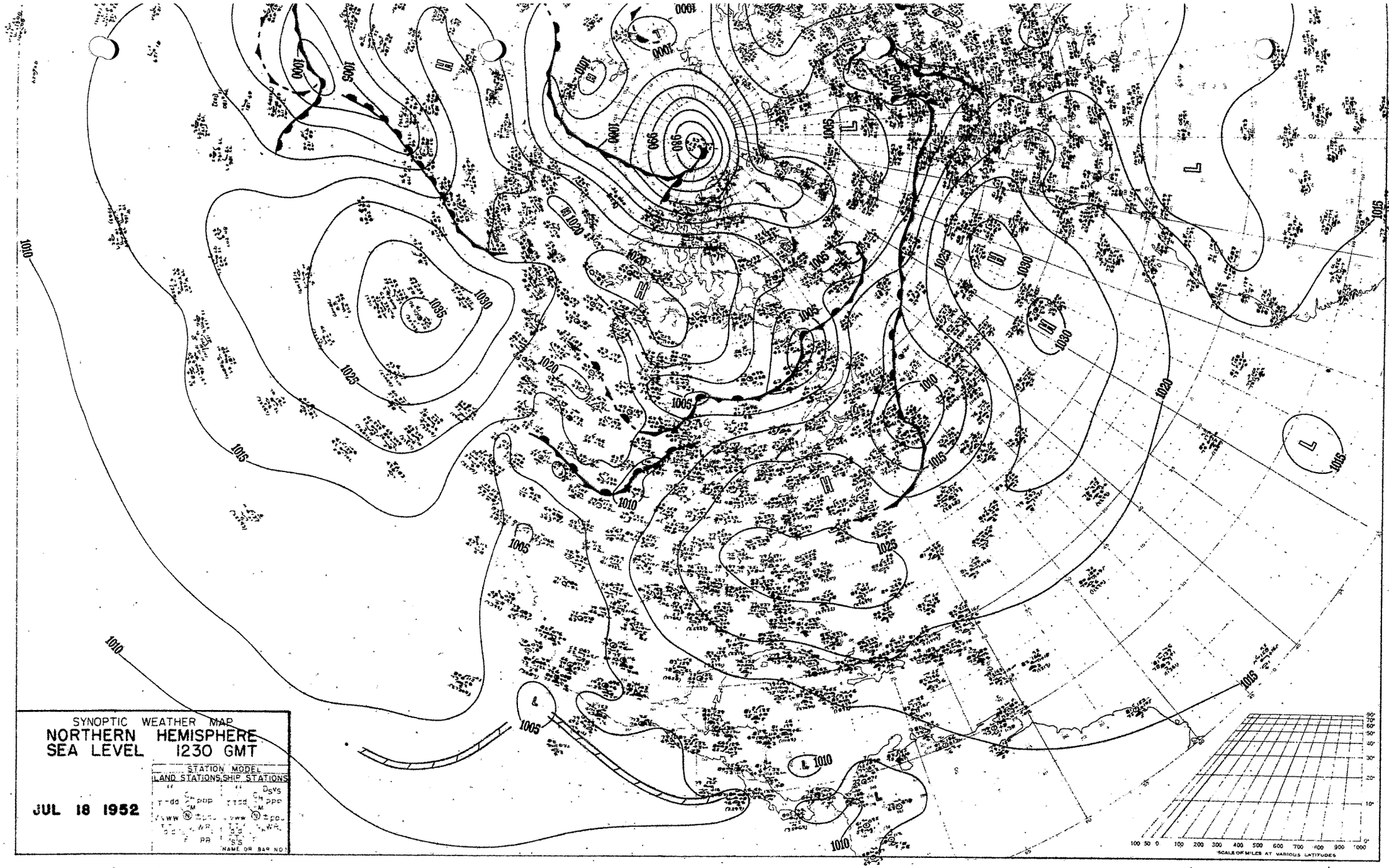
were taken off. Curtains
+ blinds sucked out and
away. We had glass
+ debris all over the
place. If you were
even under a trestle
bridge when a train
passed over, that is
what it sounded like
+ lasted only a few
minutes. Tree clock
stopped at 6.30. It went
in an S shape + did
some damage to a home,
a (barn + drive shed) of neighbours
then must have raised
in the air + away. The
barn across the road
was totally demolished
These high winds (it was
thought) started at Pushing
Lake

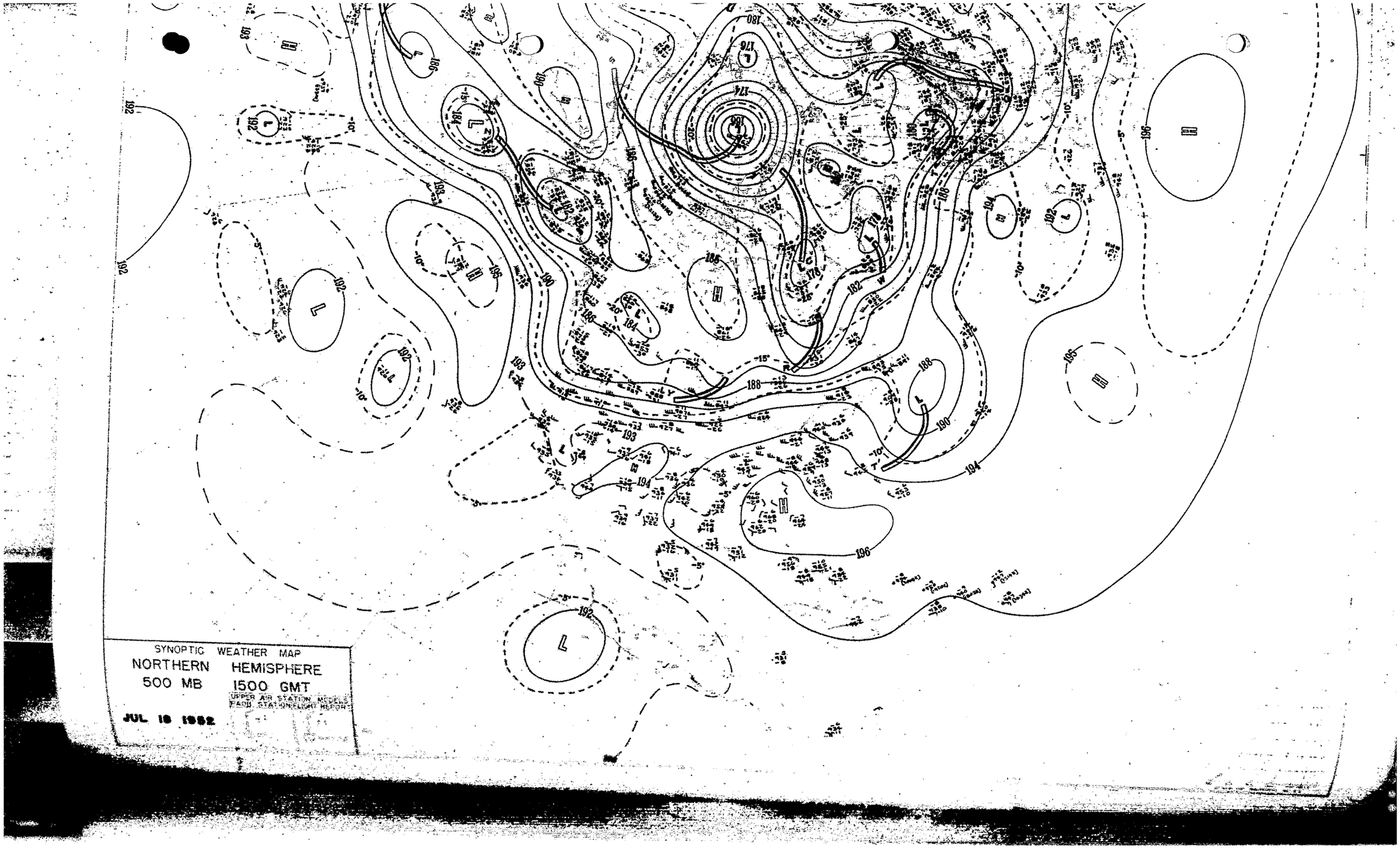
kitchen door [illegible]
ran up in a corner
by the cupboard. I also
had seen what looked
like a tree whirling
in this funnel shaped
cloud. It struck us
just as I got into the
house. A path as wide
as a 10 acre field.
It shifted the barn a bit
took [illegible] roof + doors
took the whole drive
shed away. Twisted
our windmill like a
newspaper. Hit our home
taking off the roof + ceiling
on the west side. Only
2 windows were left in
the house. 3 chimneys

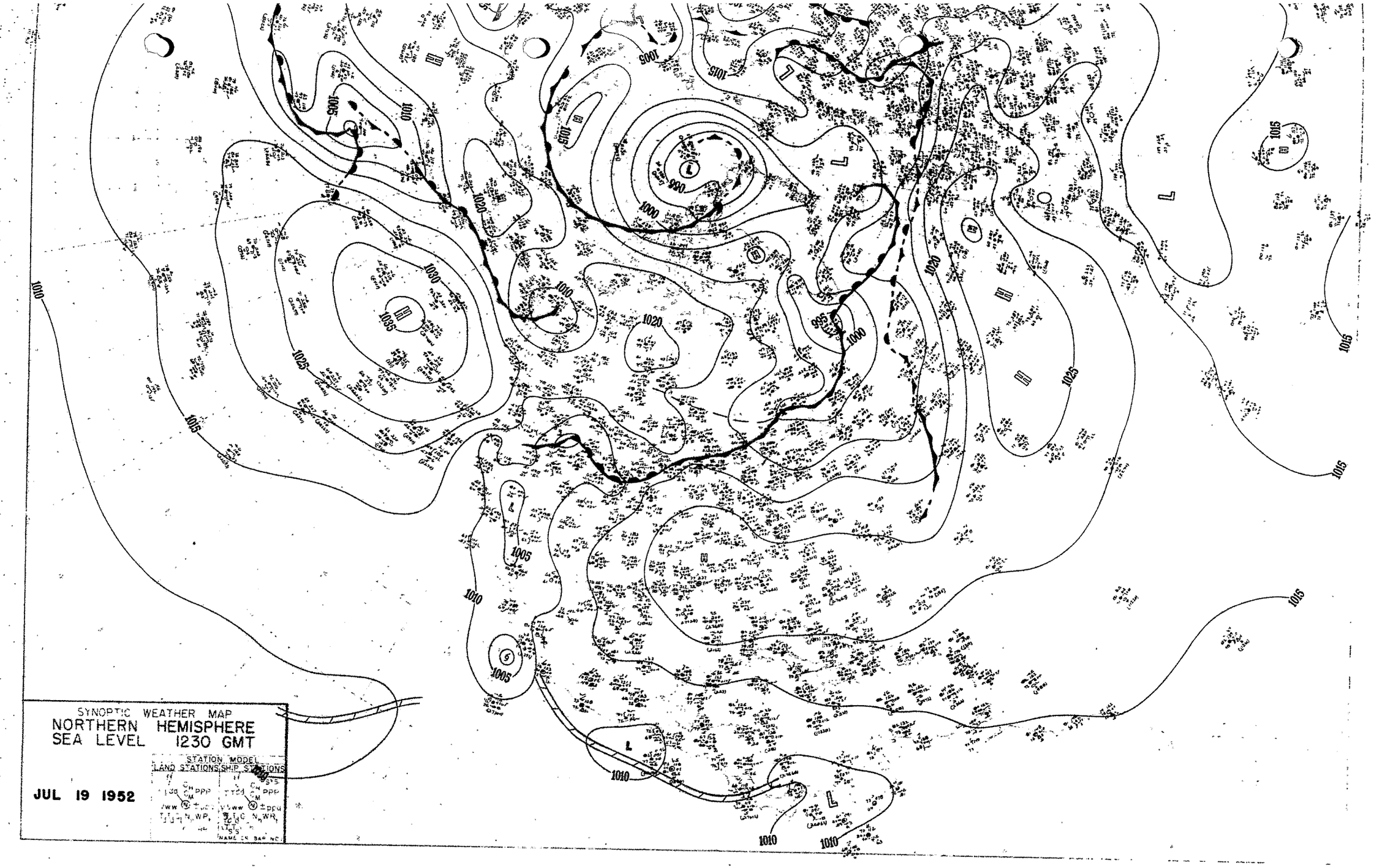
[illegible] down. [illegible]
a bush then down then
an oat field to our house.
The men thought I was
stretching my story when
I said I saw a tree in
the mouth of it. When
they had time to go back
to the oat, they found a
large tree [illegible]
of it (the field)
The Star carried picture
of our damage
Hope this is of some
help to you.

Yours truly,
Mrs. Martin Paddock

I'll never forget this storm
it cost us thousands and no
wind Insurance, which was dropped
in May [illegible]


SYNOPTIC WEATHER MAP
NORTHERN HEMISPHERE
SEA LEVEL 1230 GMT
JUL 18 1952
STATION MODEL
LAND STATIONS SHIP STATIONS
SCALE OF MILES AT VARIOUS LATITUDES


SYNOPTIC WEATHER MAP
NORTHERN HEMISPHERE
500 MB 1500 GMT
UPPER AIR STATION MODELS
PADD STATION FLIGHT REPORT
JUL 18 1952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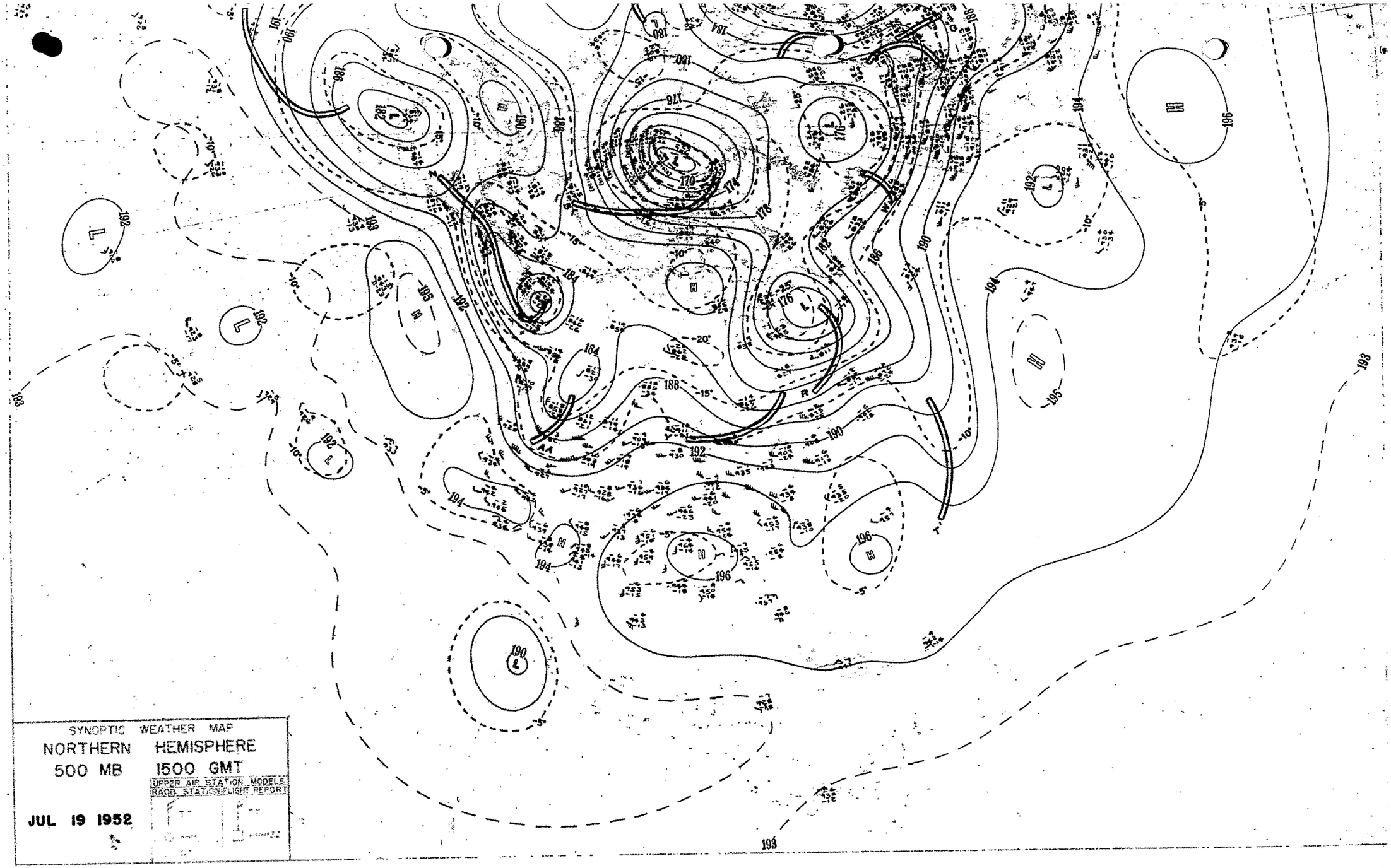
NORTHERN HEMISPHERE
SEA LEVEL 1230 GMT
JUL 19 1952
STATION MODEL
LAND STATIONS
SHIP STATIONS


SYNOPTIC WEATHER MAP
NORTHERN HEMISPHERE
500 MB 1500 GMT
JUL 19 1952
UPPER AIR STATION MODELS
RAOB STATION/FLIGHT REPORT
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