0998418 A ✓ F1

TORNADO PROJECT SUMMARY SHEET

1. DATE AND TIME June 29, 1984 1545 MDT

2. LOCATION OR PATH (attach map) High Vale, Alta.

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

4. PATH WIDTH ☐ 5. 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;

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

10. TOTAL DAMAGE ESTIMATE $ 11. TOTAL DEATHS

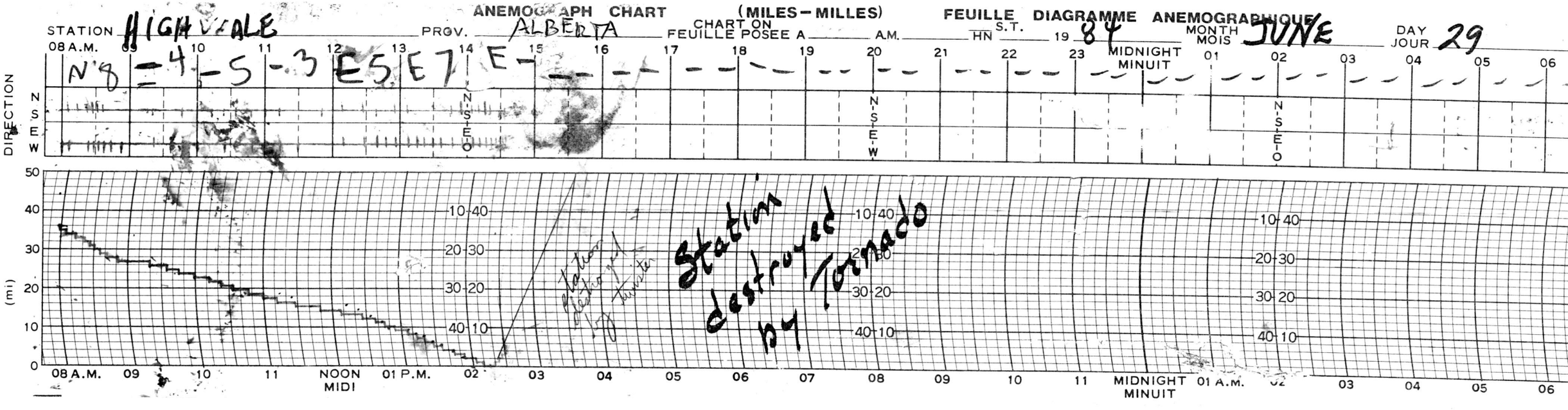
12. TOTAL INJURED 13. TOTAL HOMELESS

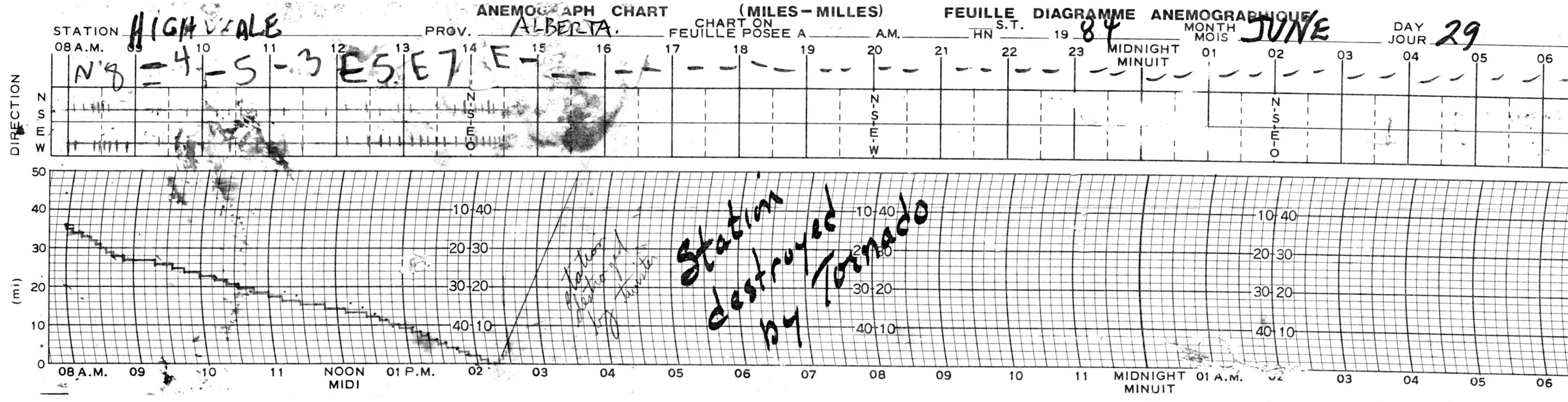
14. LIST ALL REFERENCES

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

- climate station destroyed

T.D. 1166 5625 250 0
592 5500


ANEMOGRAPH CHART (MILES – MILLES)
FEUILLE DIAGRAMME ANEMOGRAPHIQUE
STATION HIGH VALE
PROV. ALBERTA
CHART ON FEUILLE POSEE A
A.M.
S.T.
HN
19 84
MONTH MOIS JUNE
DAY JOUR 29
08 A.M. 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 MIDNIGHT MINUIT 01 02 03 04 05 06
DIRECTION
N
S
E
W
N S E O
N S E W
N S E O
(mi)
50 40 30 20 10 0
10 40 20 30 30 20 40 10
Station destroyed by Tornado
08 A.M. 09 10 11 NOON MIDI 01 P.M. 02 03 04 05 06 07 08 09 10 11 MIDNIGHT MINUIT 01 A.M. 02 03 04 05 06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19 84
MONTH MOIS JUNE
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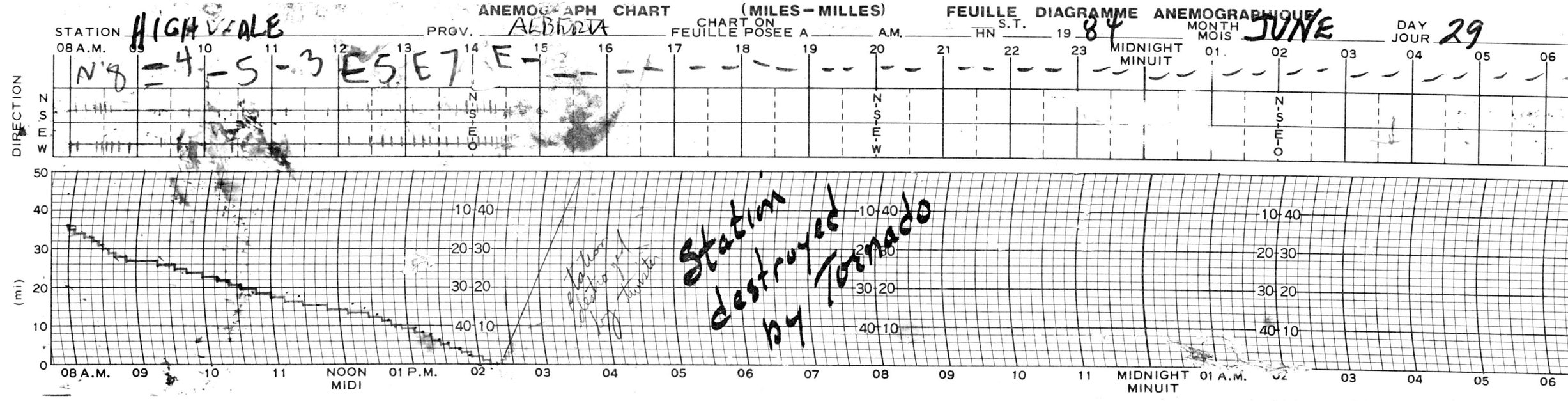
08 A.M. 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 MIDNIGHT MINUIT 01 02 03 04 05 06
DIRECTION
N S E W
N-S-E-O
N-S-E-W
(mi)
50 40 30 20 10 0
10-40 20-30 30-20 40-10
Station destroyed by Tornado
08 A.M. 09 10 11 NOON MIDI 01 P.M. 02 03 04 05 06 07 08 09 10 11 MIDNIGHT MINUIT 01 A.M. 02 03 04 05 06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STATION HIGHVALE
PROV. ALBERTA
CHART ON FEUILLE POSEE A
A.M.
HN S.T.
19 84
MONTH MOIS JUNE
DAY JOUR 29
08 A.M. 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 MIDNIGHT MINUIT 01 02 03 04 05 06
N 8 – 4 – 5 – 3 E 5 E 7 E –
DIRECTION
N S E W
N S E O
(mi)
50 40 30 20 10 0
10 40 20 30 30 20 40 10
station destroyed by twister
Station destroyed by Tornado
08 A.M. 09 10 11 NOON MIDI 01 P.M. 02 03 04 05 06 07 08 09 10 11 MIDNIGHT MINUIT 01 A.M. 02 03 04 05 06

Environment Canada / Environnement Canada

Atmospheric Environment Service / Service de l'environnement atmosphérique

3013247

AES [illegible]

JUL 24 1984

INSPECTION OF CLIMATOLOGICAL PROGRAMME

Type PTWER

Established name: HIGHVALE

Prov./Terr. Alta Region (or H.Q.) W

Inspection date: July 12 + 13, 1984	Previous inspection date: June 22/83
1. Observation times: 08:00 only	Observer: Mr. Wm. Vanderwell CA/Con
2. ☑ Lat. 53 ° 27 'N ☑ Long. 114 ° 28 'W	☐ NTS-83G Elevation 747 0.1 m
Mailing address: Wm. Vanderwell - R.R. 1 Duffield, Alta T0E 0N0 OR - Montreal Engineering Company Ltd. - 900 One Palliser Square, 125-9th Ave. S.E. Calgary, Alta T2G 0P6	Express address:
Legal designation: SW¼ S1 T52 R4 W5th	Telephone no. Mont. Eng. Calgary 263-1680 Wm. Vanderwell 731-3961
Observing station is 2.4 ~~miles~~ Km to the E from the centre of the town of Highvale	
Nearest railway station is —	

3. THERMOMETERS (Comparisons)

	In use	Spares
Standard	17.1	
Maximum	17.2	17.1
Minimum	17.3	16.8
~~Dry bulb~~ EVAP PAN	Standard 17.4	Standard 17.1
~~Wet bulb~~ Max	17.5	17.0
~~Grass Min.~~ Min.	17.3	17.0

4. SCREEN

Height above ground 116 cm

Condition of stand, screen, fittings: Fair - Paint peeling. Thermometers are in the other smaller screen. This screen has been used to hold a thermohygro-graph.

Flashlight —

5. RAINGAUGE — Type 'B'

Ht. of rim above ground 40 Cm

Condition of the gauge Good - Level

If gauge at non-standard height give reasons

6. SNOW MEASUREMENT

Average of several readings in the instrument compound.

AES Snow ruler Type 4

7. DESCRIPTION OF INSTRUMENT EXPOSURE (immediate surroundings and topography of surrounding country)

See Nov./77 report.

8. CHANGES IN EXPOSURE (since last inspection)

Nil

9. REMARKS

On operation of station, changes in observers, instrument changes or relocations, and on action taken to correct any defects in observing program or in instruments. On June 30/84 at appx. 3:45PM (MDT), a tornado demolished the small bldg. housing the anemograph + TBRG recorder at Highvale (PTWER) site. The outside instruments were left unscathed. A new anemograph + TBRG recorder were installed in a new bldg. provided + installed by Montreal Eng. All equipment is now fully operational. Mr. Vanderwell is a retired farmer + paid by Mont. Eng. (Consultants to Calgary Power) for taking observations

L. A. Leal ..... July 16/84

00 0061-2253 (4/77)