A

TORNADO PROJECT SUMMARY SHEET

F=0 ONT

1. DATE AND TIME SAT JUNE 26, 1976 1430 EST

2. LOCATION OR PATH (attach map)
SOUTH OF KIRKFIELD - VCNTY CAMERON
0697601

3. PATH LENGTH ☐ NOT KNOWN ☐ <1mi; ☐ 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; A roaring noise.

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

10. TOTAL DAMAGE ESTIMATE $ U

11. TOTAL DEATHS NONE

12. TOTAL INJURED NONE

13. TOTAL HOMELESS U.

14. LIST ALL REFERENCES

Cliff Douglas (705) 374-4907
Telephone Interview with Mrs Velma Bell (705) 438-3026
Dec 8, 1980 by M.J. Newark.

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

(a) Long black funnel observed by Mrs Velma Bell approaching her farm from a westerly direction. It was making a roar.

(b) At the Bell farm, trees were uprooted, the drive shed was demolished, wire fences flown down, Barn roof damaged with steel sheathing and lumber braces found scattered in neighbour's fields to the east. Chimney was taken off the house and the windows were blown out. Thought the tornado went down to vcnty of Cameron.
At the Cliff Douglas farm (705) 374-4907, barn roof damaged.

WORKSHEET

IDTO 0697601

(1) ORIGIN x 17664100

y 4931000

(2) LIFT-OFF x_1 17675700

y_1 4922700

(3) $(x_1 - x)$ = 11600

(4) $(y - y_1)$ = 8300

(5) Standard Error S_x C50

(6) Standard Error S_y C 2500

(7) DAMAGE LENGTH

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

(3)+(4) $\boxed{\rightarrow r,\theta}$ = 14264

(8) $\alpha = \tan^{-1} \dfrac{|y - y_1|}{|x - x_1|}$

$\boxed{x \leftrightarrow Y}$ = 36°

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

(5)+(6) $\boxed{\rightarrow r,\theta}$ = 2500 C

(10) $\beta = \dfrac{\tan^{-1} S_L}{L}$

(7)+(9) $\boxed{\rightarrow r,\theta}$

$\boxed{x \leftrightarrow Y}$ = 10°

NE Quad $\phi = 90 - \alpha$

NW Quad $\phi = 270 + \alpha$

SW quad $\phi = 270 - \alpha$

SE quad $\phi = 90 + \alpha$

(11) ϕ = 306°