

A

1 MOTO IN STAK

## TORNADO PROJECT SUMMARY SHEET

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|     |  |  |                         |
|-----|--|--|-------------------------|
| 1.  | DATE AND TIME  | Aug 20 1958 1800 E.S.T.  |                         |
| 2.  | LOCATION OR PATH<br>(attach map)   | FOLLOWED UNBUILT SECTION OF 401 HIGHWAY IN VICINITY<br>OF AIRPORT. <span style="color: red;">06958-054</span>  |                         |
| 3.  | PATH LENGTH  | <input checked="" type="checkbox"/> NOT KNOWN <input type="checkbox"/> <1mi; <input type="checkbox"/> 1-4mi; <input type="checkbox"/> 5-10mi; <input type="checkbox"/> 11-50mi; <input type="checkbox"/> LENGTH IF >50mi |                         |
| 4.  | PATH WIDTH   | <input checked="" type="checkbox"/> UNKNOWN         5. TORNADO PART OF SQUALL LINE? <input type="checkbox"/> YES; <input type="checkbox"/> NO; <input type="checkbox"/> UNKNOWN:   |                         |
| 6.  | ANY UNUSUAL COLORATION?  | <input type="checkbox"/> YES; <input type="checkbox"/> NO; <input checked="" type="checkbox"/> UNKNOWN   |                         |
| 7.  | ANY UNUSUAL SOUND?   | <input type="checkbox"/> YES; <input type="checkbox"/> NO; <input checked="" type="checkbox"/> UNKNOWN   |                         |
| 8.  | IF ANSWER TO 6 OR 7 YES, ELABORATE;  |  |                         |
| 9.  | LIST ANY ASSOCIATED PHENOMENA<br>(Such as hail, vivid lightning heavy rain, no rain, etc.) <span style="margin-left: 100px;">No-RAIN-</span>   |  |                         |
| 10. | TOTAL DAMAGE ESTIMATE  | \$ NONE  | 11. TOTAL DEATHS NONE   |
| 12. | TOTAL INJURED  | NONE   | 13. TOTAL HOMELESS NONE |
| 14. | LIST ALL REFERENCES<br>YZ WX OBSERVATION RECORDS.<br>PERSONAL RECOLLECTION - P. ELMS.  |  |                         |
| 15. | SUMMARIZE REMARKS PERTAINING TO (a) FUNNEL; (b) INTERESTING OR CAPRICIOUS EVENTS.<br><br>THE FUNNEL BRIEFLY TOUCHED DOWN ALONG UNBUILT SECTION OF 401 HIGHWAY, ABOUT 100 FEET ABOVE GROUND MOST OF THE TIME.<br>"BOILING" CUT AND CB. BUILT AT THE CLEARING EDGE OF (COLD FRONT?)<br><span style="color: red; font-size: 1.2em;">(pilot report)</span> |  |                         |

WORKSHEET 0695804

$$r = 1500 \text{ m}$$

ORIGIN <sup>easting</sup>  $x$  17612500  
<sup>northing</sup>  $y$  4835250

Standard Error  $S_x$   
C 1500

LIFT-OFF  $x_1$   
 $y_1$

Standard Error  $S_y$

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

DAMAGE LENGTH

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

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

=

$$\beta = \frac{S_L}{57.29 L}$$

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

$\phi$



AUG 20 1958

