0998224 A ✓ F=?

TORNADO PROJECT SUMMARY SHEET

1. DATE AND TIME Aug 19, 1982 1:20pm MST

2. LOCATION OR PATH (attach map) 1.5 miles N of Convent

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;

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

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.

T.D. 125/5250
576 4000 500 0

Environment Canada / Environnement Canada — Atmospheric Environment Service / Service de l'environnement atmosphérique

SURFACE WEATHER RECORD

AT CORONATION A (YCT) (STATION NAME AS IN METSTAT) PROVINCE ALBERTA FROM 1200 AUG 14 1982 (HOUR (GMT) DAY MONTH) 19__ TO 0600 AUG 15 1982 (HOUR (GMT) DAY MONTH) 19__ LST = GMT − 7 HOURS

CHECKED, CERTIFIED COMPLETE AND CORRECT BY

I OBSERVED DATA AND COMPUTATIONS

1 NOTES AND INSTRUMENT DEFECTS AND CHANGES

II HOURLY OBSERVATIONS

Corrected Wet-Bulb °C (23)	Relative Humidity % (24)	Total Opacity (25)	Total Amount (26)	Type (27)	Date (GMT) (28)	Hour (GMT) (29)	Sky Condition (30)	Visibility (Mi) (31)	Weather and Obstructions to Vision (32)	Sea-level Pressure (mb) (33)	Temperature °C (TENTHS) Dry-Bulb (34)	Dew-Point (35)	WIND Direction (36)	Speed (kt) (37)	Character (38)	Altimeter Setting (in.) (39)	CLOUDS and/or OBSCURING PHENOMENA Type/Opacity (40)	REMARKS (41)	(STN. PRES.)	Tendency appp (42)	TT$_d$0A (42a)	OBSERVER (Print) (43)
10.1	74	9	9	SA	14	1200	30 SCT 45 SCT E 75 BKN	15+		073	12.6	8.0	13	02		973	3C/SC4 AC4	SM BRK E HRZN VIRGA (91.5)		5004	6099	WP
10.5	80	9	9	SA	14	1300	33 SCT 65 SCT E 75 BKN	15+		069	12.5	9.1	05	04		972	SC/AC4 AC4				5199	WP
11.2	78	9	9	SA	14	1400	35 SCT 65 SCT E 75 BKN	15+		064	13.4	9.3	02	05		971	SC/AC/AC8	(TRACE AC) VIRGA DSNT E QUADS			4399	WP
12.0	70	23	3	SA	14	1500	40 SCT 80-SCT	15+		065	15.1	9.7	02	10		971	SC/AC2	(TRSC) (91.4)		5007	1723	WP
12.6	63	4	5	SA	14	1600	25 SCT 85 SCT 150-SCT 270-SCT	15+		059	16.7	9.5	03	10		969	CU/AC/AC2CI	(TRAC)			7545	WP
13.0	64	8	9	SA	14	1700	28 SCT 85 SCT E 130 BKN 270 BKN	15+		059	17.1	10.1	09	05		970	CU5ACC/AC2CI	TR ACC NE-E HRZN			1189	WP
12.5	61	8	9	SA	14	1800	E 45 BKN 85 BKN 130 BKN 250 BKN	15+		059	17.0	9.4	05	07		969	CU6AC/AC1CI	TR ACC NE-E HRZN TCU ASCTD (91.4)		5006	0487	WP
13.2	59	8	8	SA	14	1900	~~E330~~ 15 SCT E 33 BKN 250 BKN	15+		058	18.2	9.8	01	11		969	~~TCU~~ CF1/TCU8CI	(TRCF,CI) CF W-NW HRZN			2888	WP
		9	9	SP	14	1940	15 SCT E 33 BKN 45 BKN	15+	RW—				33	15	G22		CF1 TCU7 SC2	(TRCF)				WP
12.5	82	9	9	SA	14	2000	15 SCT E 32 BKN 45 BKN	15+	RW—	069	14.3	11.6	30	16	G25	973	CF1 TCU8 SC1	(TRCF) CB NW HRZN			3699	WP
		9	9	SP	14	2001	15 SCT E 32 BKN 45 BKN	15+	TRW--				30	16	G24		CF1 CB7 SC1	LTG CG E SHWRS WHF				RW
		10	10	SP	14	2047	M 10 BKN 30 OVC	15+	TRW--				30	20	G32		CF7 CB3	SHWRS NW + S BD W				RW
10.6	89	10	10	SA	14	2100	M 10 BKN 30 OVC	15+	TRW--	097	11.5	9.8	30	16	G33	979	CF8 CB2	SHWRS ALQDS ~~AT 80 SCTD TRSCE 10 SC 90 KM~~ (92.2)		3030	58XX	RW
10.7	80	9	9	RS	14	2200	M 12 BKN 20 BKN	15+	RW--	106	12.6	9.1	31	20	G30	981	CF8 CB1	SHWR NE			6199	RW
9.5	83	10	10	SA	14	2300	M 14 OVC	15+		118	11.1	8.2	33	20	G30	985	SC10				12XX	RW
9.0	83	10	10	SA	15	0000	M 13 OVC	15+	RW--	138	10.5	7.7	31	16	G24	990	SC10	(92.7)		2036	57XX	RW
		9	9	SP	15	0045	15 SCT E 30 BKN	15+					30	15			CF5 TCU4					RW
8.9	73	8	8	SA	15	0100	15 SCT E 30 BKN 80 BKN	15+		145	11.5	6.8	32	14		992	CF3 TCU3 AC2				5888	RW
8.5	80	7	8	SA	15	0200	15 SCT 30 SCT E 60 BKN	15+		155	10.3	7.3	31	16		995	CF1 CU4 SC2				3376	RW
8.1	82	6	8	SA	15	0300	E 33 BKN	15+		163	9.7	6.6	32	08		997	SC6	(93.0)		2022	7668	RW
7.0	90	1	1	SA	15	0400	33 SCT	15+		169	7.8	6.5	30	05		999	SC1				8511	RW
4.0	92	0	0	SA	15	0500	CLR	15+		172	4.5	3.3	24	06		000					5300	RW
3.7	94	0	0	SA	15	0600	CLR	15+		176	4.0	3.2	26	03		001		(93.2)		1011	0200	RW

Duration of Weather and/or Obstruction to Vision

(GMT) Type (2)	Bgn (3)	End (4)	Type (2)	Bgn (3)	End (4) (GMT)
RW--	1924	1940			
RW-	1940	2001			
T	2001	2145			
RW--	2001	2210			
RW--	2345	0015			

HOUR (GMT)	Corrected Maximum TENTHS (5)	$T_xT_xT_x$ (6)	Corrected Minimum TENTHS (7)	$T_nT_nT_n$ (8)
12	15.0	(24)23.8	12.0	12 12.0
18	18.5	12 18.5	11.5	24 11.5
00	19.4	12 19.4	10.4	18 10.4
06	11.7	24 19.4	3.8	24 3.8
24-HR.	19.4		3.8	

CODED III SYNOPTIC REPORTS

YY	GG	i_w (GMT)	II iii	$i_R i_x$ hVV (31)	Nddff (26)	$1s_nTTT$ (34)	$2s_n T_dT_dT_d$ (35)	$3P_0P_0P_0P_0$ (20)	4PPPP (33)	5appp (42)	6RRRt_R (12)	7wwW$_1$W$_2$ (32) 2-4	$8N_hC_LC_MC_H$	333	$1s_nT_xT_xT_x$ (6)	$2s_nT_nT_nT_n$ (8)	4E'sss (14)	$7R_{24}R_{24}R_{24}R_{24}$ (13)	$8N_sCh_sh_s$	$9S_pS_pS_pS_p$
14	12	4	71873	31574	71302	10126	20080	39158	40073	55004	6	714XX	84570	333	10238	20120	4	7		
	15	4	71	4		1	2		4	5		7	8	333						
	18	4	71873	32674	70507	10170	20094	39145	40059	58006	6	7	85281	333	10185	20115	4	7		
	21	4	71	4		1	2		4	5		7	8	333						
15	00	4	71873	11474	83116	10105	20077	39211	40138	52036	69941	78092	85XX	333	10194	20104	4	70004		90515
	03	4	71	4		1	2		4	5		7	8	333						
	06	4	71873	11974	02603	10090	20032	39244	40176	51011	69901	70281	8	333	10194	20038	4	70004		90560

HOUR (GMT)	Snowfall cm & TENTHS (9)	Water equivalent mm & TENTHS (10)	Rainfall mm & TENTHS (11)	Total Precip mm & TENTHS (12)	24-hour Precip. mm & TENTHS (13)	Depth Snow on Ground WHOLE cm (14)
12	0	0	0	0	0	0
18	0	0	0	0	0	0
00	0	0	0.4	0.4	0.4	0
06	0	0	TR	TR	0.4	0
24-HR.	0	0	0.4	0.4		

TIME (GMT)	0900 21	1200 00	1500 03	1800 06	2100 09	0000 12	0300 15	0600 18
15 Sum (T_{-12} + To)	226	321	766	950	937	1226	975.1	1770
16 Mean (Sum ÷ 2)		34.7	31.7	32.0	25.2	23.1	24.8	21.0
17 Attached Thermometer	/	17.4	15.9	16.0	12.6	11.6	12.4	10.5
18 Barometer as read		72	73	75	73	72	72	72
19 Total Correction		916.1	915.5	915.1	917.9	921.4	923.6	924.7
20 Station Pressure	916.2	-0.3	-0.4	-0.6	-0.4	-0.3	-0.3	-0.3
21 Reduction to Sea Level	/	915.8	915.1	914.5	917.5	921.1	923.3	924.4
22 Sea Level Pressure	/	915	914	914	922	927	930	932
		1007.3	1006.5	1005.9	1009.7	1013.8	1016.3	1017.6

IV SUMMARY FOR THE CLIMATOLOGICAL DAY ENDING AT 0600 GMT

555	$01S_tS_tS_t$	1sss (9)	$2s_ws_ws_ws_w$ (10)	$3d_md_mf_mf_m$ (66 67)	$4f_hf_hf_hf_h$ (67 68 69 70)
555	01 058	1	2	3 3033	4 0211

Day (2 figures) (44)	TEMPERATURE Maximum TENTHS (45)	TEMPERATURE Minimum TENTHS (46)	REL HUMIDITY Maximum (47)	REL HUMIDITY Minimum (48)	AMOUNT OF PRECIPITATION 6-HOUR TOTAL AMOUNT 1200Z mm & TENTHS (49)	1800Z mm & TENTHS (50)	0000Z mm & TENTHS (51)	0600Z mm & TENTHS (52)	24-HOUR AMOUNT Rainfall (R, RW, L, ZR, ZL, A) mm & TENTHS (53)	Snowfall (S, SW, IP, IPW, SP, SG, IC) cm & TENTHS (54)	Total Precip mm & TENTHS (55)	DEPTH* of snow on the ground at 12Z WHOLE cm (56)	DAY WITH Thunderstorms (57)	Freezing Rain or Freezing Drizzle (58)	Hail (59)	Fog Ice Fog (vsby less than 5/8 mi.) (60)	Vsby 6 mi. or less Smoke, Dust Haze or Haze (61)	Blowing Dust, Blowing Sand (62)	Blowing Snow (63)	MEAN WIND OF 28 or more knots (64)	34 or more knots (65)	PEAK WIND SPEED GUST OR MEAN (leave blank if speed does not exceed 16 knots) Direction nearest 10 degrees (2 figures) (66)	Speed (67)	Time (GMT) (2 figures) (68)
14	19.4	3.8	M	M	0	0	0.4	TR	0.4	0	0.4	0	1	0	0	0	0	0	0	0	0	30	33	21

Environment Canada / Environnement Canada
Atmospheric Environment Service / Service de l'environnement atmosphérique

SURFACE WEATHER RECORD

AT CORONATION A (YCT) (STATION NAME AS IN METSTAT) PROVINCE ALBERTA FROM 1200 AUG 15 1982 (HOUR (GMT) DAY MONTH) 19__ TO 0600 AUG 16 1982 (HOUR (GMT) DAY MONTH) 19__ LST = GMT - 7 HOURS

CHECKED, CERTIFIED COMPLETE AND CORRECT BY

I OBSERVED DATA AND COMPUTATIONS

1 NOTES AND INSTRUMENT DEFECTS AND CHANGES

Public reported Tornado touching down 1½ miles N Consort at 2:20pm Aug 14th. Followed by heavy rain & hail.
6:20 a.m. Aug 15th. 2½ miles S of Consort farmer reported Temp of -1.

New record Min temp. set.

II HOURLY OBSERVATIONS

Corrected Wet-Bulb °C (23)	Relative Humidity % (24)	Total Opacity (25)	Total Amount (26)	Type (27)	Date (GMT) (28)	Hour (GMT) (29)	Sky Condition (30)	Visibility (Mi) (31)	Weather and Obstructions to Vision (32)	Sea-level Pressure (mb) (33)	Temperature °C (TENTHS) Dry-Bulb (34)	Temperature °C (TENTHS) Dew-Point (35)	WIND Direction (36)	WIND Speed (kt) (37)	WIND Character (38)	Altimeter Setting (in.) (39)	CLOUDS and/or OBSCURING PHENOMENA Type/Opacity (40)	REMARKS (41)	(STN. PRES.)	Tendency appp (42)	TT,DA (42a)	OBSERVER (Init.) (43)
2.3	97	0	0	SA	15	1200	300 SCT	15+		201	2.5	2.1	24	02		005	Ci	(TR Ci) (94.3)		1010	5100	RJ
3.4	97	1	1	SA	15	1300	80 SCT 300 SCT	15+		201	3.5	3.1	21	03		005	Acc Ci	(TR Ci) E PTCHS E			5111	RJ
6.5	93	2	2	SA	15	1400	80 SCT 300 SCT	15+		202	7.0	5.9	21	02		006	Acc Ci	E PTCHS E			0122	RJ
7.6	82	1	2	SA	15	1500	90 SCT 300 - SCT	15+		196	9.2	6.0	20	04		006	Ac Ci	(93.7)		1001	2012	RJ
9.0	69	1	2	SA	15	1600	90 SCT 160 SCT 300 - SCT	15+		192	12.5	6.0	18	09		004	Acc Ac Ci	(TR Ac)			5012	RJ
10.0	55	2	4	SA	15	1700	90 SCT 160 - SCT 300 - SCT	15+		186	15.0	6.1	19	10		002	Acc Ac Ci				0124	RJ
10.5	47	3	4	SA	15	1800	140 - SCT	15+		175	16.9	5.6	18	12		001	Ac 3	(93.2)		7016	9634	RJ
10.9	43	1	1	SA	15	1900	50 SCT 140 SCT	15+		172	18.1	5.2	21	14		999	Cu Ac	(TR Cu)			1211	RJ
11.4	35	2	2	SA	15	2000	60 SCT	15+		167	20.1	4.2	23	13	G19	998	Cu 2	TCU TOPS NW			1222	RJ
10.7	35	3	3	SA	15	2100	65 SCT	15+		163	19.5	3.5	21	09		997	Cu 3	(93.2)		7012	5533	RJ
11.0	29	3	3	SA	15	2200	65 SCT	15+		160	21.2	2.1	24	03		995	Cu 3				2133	RJ
11.2	30	3	3	SA	15	2300	65 SCT	15+		160	21.2	2.7	26	06		995	Cu 3				2733	RJ
10.8	29	2	4	SA	16	0000	65 SCT 300 - SCT	15+		159	20.9	2.1	31	04		996	Cu Ci	FEW TCU NW (93.0)		5002	9034	RJ
10.6	29	2	3	SA	16	0100	60 SCT 65 SCT 300 - SCT	15+		160	20.5	1.8	21	03		996	CB Cu Ci	CB NW			5523	RJ
11.0	59	1	2	SA	16	0200	60 SCT 300 - SCT	15+		167	15.5	7.6	34	12		999	CB Ci	WND SHFT GRDL CB N			5612	RJ
9.5	73	2	2	SA	16	0300	65 SCT	15+		172	12.0	7.4	01	09		999	SC 2	CB NE (93.2)		3011	0922	RJ
9.0	79	4	4	SA	16	0400	65 SCT	15+		178	11.0	7.5	09	07		001	SC 4				0549	RJ
8.8	79	6	6	SA	16	0500	M 70 BKN	15+		181	10.8	7.5	03	05		002	Ac 6				0546	RJ
8.4	86	7	7	SA	16	0600	M 70 BKN	15+		187	9.6	7.3	35	04		004	Ac 7	(93.2)		1015	6377	RJ

TORNADO / ALTA NOC CONSORT AUG 14 1982

Duration of Weather and/or Obstruction to Vision

(GMT) Type (2)	Bgn (3)	End (4)	Type (2)	Bgn (3)	End (4) (GMT)

HOUR (GMT)	Corrected Maximum TENTHS (5)	T_xT_xT_x (6)	Corrected Minimum TENTHS (7)	T_nT_nT_n (8)
12	4.0	(24) 19.4	1.1	12 1.1
18	16.9	12 16.9	2.0	24 1.1
00	22.1	12 22.1	16.0	18 1.1
06	21.0	24 22.1	9.0	24 1.1
24-HR	22.1		1.1	

CODED III SYNOPTIC REPORTS (GMT)

YY	GG	i_w	II iii	$i_R i_x$ hVV (31)	Nddff (26)	$1s_nTTT$ (34)	$2s_nT_dT_dT_d$ (35)	$3P_oP_oP_oP_o$ (20)	4PPPP (33)	5appp (42)	$6RRRt_R$ (12)	$7wwW_1W_2$ (32)	$8N_hC_LC_MC_H$ (24)	333	$1s_nT_xT_xT_x$ (6)	$2s_nT_nT_nT_n$ (8)	4E'sss (14)	$7R_{24}R_{24}R_{24}R_{24}$ (13)	$8N_sCh_sh_s$	$9S_pS_pS_pS_p$
	09	4	71	4		1	2		4	5		7	8	333						
15	12	4	71 873	33974	12402	10025	20021	39258	40201	51010	6	7	80001	333	10194	20011	4	70004		
	15	4	71	4		1	2		4	5		7	8	333						
	18	4	71 873	32974	31812	10169	20056	39243	40175	57016	6	7	83030	333	10169	20011	4	70004		
	21	4	71	4		1	2		4	5		7	8	333						
K	00	4	71 873	32774	33104	10209	20021	39229	40159	55002	6	7	81203	333	10221	20011	4	7		
	03	4	71	4		1	2		4	5		7	8	333						
	06	4	71 873	32874	63504	10096	20073	39255	40187	51015	6	7	86070	333	10221	20011	4	7		

HOUR (GMT)	Snowfall cm & TENTHS (9)	Water equivalent mm & TENTHS (10)	Rainfall mm & TENTHS (11)	Total Precip mm & TENTHS (12)	24-hour Precip mm & TENTHS (13)	Depth Snow on Ground WHOLE cm (14)
12	0	0	0	0	0.4	0
18	0	0	0	0	0.4	0
00	0	0	0	0	TR	0
06	0	0	0	0	0	0
24-HR	0	0	0	0		

TIME (GMT) (1-12)	0900 (21) 11.5	1200 (00) 10.5	1500 (03) 9.7	1800 (06) 4.0	2100 (09) 2.6	0000 (12) 2.5	0300 (15) 9.2	0600 (18) 16.9
15 Sum (T_{-12} + To)		13.0	18.9	20.9	22.1	23.4	21.2	26.5
16 Mean (Sum ÷ 2)		6.5	9.5	10.5	11.1	11.7	10.6	13.3
17 Attached Thermometer		70	74	78	80	81	73	72
18 Barometer as read		925.9	926.4	925.1	924.1	924.0	924.4	925.8
19 Total Correction		-0.1	-0.5	-0.8	-1.0	-1.1	-0.4	-0.3
20 Station Pressure	924.8	925.8	925.9	924.3	923.1	922.9	924.0	925.5
21 Reduction to Sea Level		94.3	93.7	93.2	93.2	93.0	93.2	93.2

IV SUMMARY FOR THE CLIMATOLOGICAL DAY ENDING AT 0600 GMT

555	01 $S_tS_tS_t$	1 ssss (9)	2 $s_ws_ws_ws_w$ (10)	3 $d_md_mf_mf_m$ (66)	4 $f_hf_hf_hf_h$ (67 68 69 66)
555	01 134	1	2	3 2319	4 0200

Day (2 figures) (44)	TEMPERATURE Maximum TENTHS (45)	TEMPERATURE Minimum TENTHS (46)	REL HUMIDITY Maximum (47)	REL HUMIDITY Minimum (48)	AMOUNT OF PRECIPITATION 6-HOUR TOTAL AMOUNT 1200Z mm & TENTHS (49)	6-HOUR TOTAL AMOUNT 1800Z mm & TENTHS (50)	6-HOUR TOTAL AMOUNT 0000Z mm & TENTHS (51)	6-HOUR TOTAL AMOUNT 0600Z mm & TENTHS (52)	24-HOUR AMOUNT Rainfall (R RW L ZR ZL LA) mm & TENTHS (53)	24-HOUR AMOUNT Snowfall (S SW IP IPW SP SG IC) cm & TENTHS (54)	24-HOUR AMOUNT Total Precip mm & TENTHS (55)	DEPTH* of snow on the ground at 12Z WHOLE cm (56)	DAY WITH Thunderstorms (57)	Freezing Rain or Freezing Drizzle (58)	Hail (59)	Fog, Ice Fog (vsby less than ½ km.) (60)	Vsby 6 mi. or less Smoke, Dust Haze or Haze (61)	Vsby 6 mi. or less Blowing Dust, Blowing Sand (62)	Blowing Snow (63)	MEAN WIND OF 28 or more knots (64)	MEAN WIND OF 34 or more knots (65)	PEAK WIND SPEED GUST OR MEAN (leave blank if speed does not exceed 16 knots) Direction (nearest 10 degrees) (12 figures) (66)	Speed (67)	Time (GMT) (68)
15	22.1	1.1	M	M	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	19	2

Environment Canada / Environnement Canada
Atmospheric Environment Service / Service de l'environnement atmosphérique

SURFACE WEATHER RECORD

AT GRANDE PRAIRIE "A" (YQU) (STATION NAME AS IN METSTAT) PROVINCE ALBERTA FROM 0601 02 JULY 1982 TO 0600 03 JULY 1982
(HOUR (GMT) DAY MONTH) (HOUR (GMT) DAY MONTH) LST = GMT − 7 HOURS

CHECKED, CERTIFIED COMPLETE AND CORRECT BY

I OBSERVED DATA AND COMPUTATIONS

NOTES AND INSTRUMENT DEFECTS AND CHANGES

II HOURLY OBSERVATIONS

Corrected Wet-Bulb °C (23)	Relative Humidity % (24)	Total Opacity (25)	Total Amount (26)	Type (27)	Date (GMT) (28)	Hour (GMT) (29)	Sky Condition (30)	Visibility (M) (11)	Weather and Obstructions to Vision (32)	Sea-level Pressure (mb) (33)	Temperature °C (TENTHS) Dry-Bulb (34)	Dew-Point (35)	WIND Direction (36)	Speed (kt) (37)	Character (38)	Altimeter Setting (In.) (39)	CLOUDS and/or OBSCURING PHENOMENA Type/Opacity (40)	REMARKS (41)	(STN PRES)	Tendency	TT_dOA (42a)	OBSERVER (Punch) (43)
	73	8	10	SA	02	0700	50 SCT E100 BKN 280 OVC	15		043	17.6	13.4	00	00		967	SC4 AC3 CI1	K	273		6493X	JW
	77	7	9	SA	02	0800	50 SCT E100 BKN 280 BKN	15		043	17.2	13.2	34	02		967	SC3 AC3 CI1	K	273		2279	JW
	77	9	10	SA	02	0900	50 SCT E100 BKN 280 OVC	15		041	16.6	13.3	27	03		966	SC4 AC4 CI1	K SHWRS S-SE (77.0)	271	8001	6374X	JW
	82	7	8	SA	02	1000	50 SCT E100 BKN 280 ~~OVC~~ BKN	15		041	15.5	13.2	33	03		966	SC2 AC4 CI1	K SHWRS SW	271		5279	JW
	88	7	8	SA	02	1100	50 SCT E100 BKN 280 BKN	15		043	14.5	12.5	00	00		967	SC1 AC3 CI1	K	273		5578	JW
	88	8	10	SA	02	1200	50 SCT E100 BKN 280 OVC	20		055	15.0	12.7	00	00		969	SC5 AC3 CI	K VSBY LWR'S (77.4)	281	3010	0758X	JW
	88	6	9	SA	02	1300	50 SCT E100 BKN	20		055	16.3	13.7	00	00		969	SC3 AC3		281		2769	KM
	77	5	9	SA	02	1400	70 SCT 100 - BKN	20		055	17.0	13.2	30	02		969	ACC1 AC5	ACC TR	281		0257	KM
	68	6	9	SA	02	1500	110 - BKN E140 BKN 300 BKN	1½		059	18.5	13.4	00	00		971	AC4 AC2 CI	(77)	286	0005	5467	KM
	68	4	8	SA	02	1600	24 SCT 120 - BKN	12		060	19.6	14.0	03	05		971	CU1 AC3		287		6549	KM
	68	5	9	SA	02	1700	24 SCT 120 - BKN	15		060	20.1	14.2	03	04		971	CU1 AC4		287		1257	KM
	60	8	7	SA	02	1800	22 SCT 80 SCT E120 BKN	15		058	21.1	13.7	00	00		971	CU1 AC2 AC5	(77.3)	285	8001	1489	KM
	64	8	9	SA	02	1900	35 SCT E100 BKN	15		059	21.4	13.5	05	03		971	CU4 AC4		286		4589	KM
	57	8	9	SA	02	2000	36 SCT E100 BKN	15		059	22.5	13.7	06	03		971	CU2 AC6	FEW SEMI-MOT CU (77.4)	286		5789	KM
	60	8	9	SA	02	2100	35 SCT E100 BKN	15		057	22.4	13.8	01	02		971	TCU5 AC3	K LN CB S-NW SHWRS S+W+NW	285	0000	4887	KH
	53	9	10	SA	02	2200	40 SCT E140 BKN 150 BKN 280 OVC	15		057	22.8	12.6	10	02		970	TCU5 AC3 AC1 CI1	K SHWRS DSNT SE-W-NW	283		6697X	KH
	60	9	10	SA	02	2300	155 SCT E40 BKN 100 BKN 150 BKN 280 OVC	15		062	22.2	13.8	31	07		971	CU1 TCU6 AC1 AC1 CS1	K DUST ~~PEVIL~~ IN LWR CLD SW SHWRS DSNT S	288		2489X	KH
	8	10	SP	02	2317	15 SC 40 SC E40 BKN 150 BKN 280 OVC	15						27	13	G17		CU1 TCU5 AC1 AC1 CS1	K SHWRS DSNT S WIND SHIFT 2311			~~X~~	KH
	57	8	10	SA	03	0000	40 SCT E100 BKN 150 BKN 280 OVC	15		065	21.8	12.5	27	09		971	TCU2 AC4 AC1 CS1	K ACSL (77.7)	288	3003	6586X	KH
	60	8	9	SA	03	0100	40 SCT E100 BKN 140 BKN 280 BKN	12		066	21.3	13.3	30	09		972	TCU1 AC7 AC1 CS1	K FEW ACC	289		3389	KH
	64	8	10	SA	03	0200	E120 BKN 300 OVC	15		065	20.2	13.4	27	11		971	AC7 CS1	K FEW ACC	288		2489X	KH
	68	9	10	SA	03	0300	E110 BKN 140 BKN 300 OVC	15		064	19.9	13.6	28	08		971	AC6 AC3 CS	K ACC ASCTD (77.6)	289	0000	3697X	KH
	68	9	10	SA	03	0400	E100 BKN 140 BKN 300 OVC	15		065	18.5	12.9	28	07		972	AC6 AC2 CS1	K ACC ASCTD	289		5497X	KH
	69	10	10	SA	03	0500	E90 BKN 300 OVC	15		068	17.5	12.5	29	03		973	AC5 CS2	K.	292		5302X	KH
	77	8	10	SA	03	0600	E100 BKN 300 OVC	15		068	16.1	12.2	27	02		972	AC6 CS2	K (77.6)	292	1004	1288X	KH

(GMT) Type (2)	Duration of Weather and/or Obstruction to Vision Bgn (3)	End (4)	Type (2)	Bgn (3)	End (4)	(GMT)

HOUR (GMT)	Corrected Maximum TENTHS (5)	$T_xT_xT_x$ (6)	Corrected Minimum TENTHS (7)	$T_nT_nT_n$ (8)
12	20.7	(24)26.8	14.1	12/14.1
18	21.1	12 21.1	13.6	24/13.6
00	23.7	12 23.7	20.0	18/13.6
06	21.8	24 23.7	16.1	24/13.6
24-HR	23.7		13.6	

HOUR (GMT)	Snowfall cm & TENTHS (9)	Water equivalent mm & TENTHS (10)	Rainfall mm & TENTHS (11)	Total Precip mm & TENTHS (12)	24-hour Precip mm & TENTHS (13)	Depth Snow on Ground cm & WHOLE CM (14)
12	0	0	0	0	0	0
18	0	0	0	0	0	0
00	0	0	0	0	0	0
06	0	0	0	0	0	0
24-HR	0	0	0	0		

III SYNOPTIC REPORTS

CODED

YYGGiw (GMT)	Iliii	i_Rix_hVV (31)	Nddff (26)	$1s_nTTT$ (34)	$2s_nT_dT_dT_d$ (35)	$3P_0P_0P_0P_0$ (20)	4PPPP (33)	5appp (42)	$6RRRt_R$ (12)	$7wwW_1W_2$ (32) (24)	$8N_hC_LC_MC_H$	333	$1s_nT_xT_xT_x$ (6)	$2s_nT_nT_nT_n$ (8)	4E'sss (14)	$7R_{24}R_{24}R_{24}R_{24}$ (13)	$8N_sCh_sh_s$	$9S_pS_pS_pS_p$
09 4	71	4		1	2		4	5		7	8	333						
12 4	71940	32780	80000	10150	20127	39281	40055	53010	6	7	84572	333	10268	20148	4	7		
15 4	71	4		1	2		4	5		7	8	333						
18 4	71940	32574	10000	10211	20134	39285	40068	58001	6	7	81180	333	10211	20136	4	7		
21 4	71	4		1	2		4	5		7	8	333						
00 4	71940	32674	82610	10218	20125	39289	40065	53003	6	7	82277	333	10237	20136	4	7		
03 4	71	4		1	2		4	5		7	8	333						
06 4	71940	32974	82702	10161	20122	39292	40068	51004	6	7	85077	333	10237	20136	4	7		

TIME (GMT) T-12	0900 21	1200 00	1500 03	1800 06	2100 09	0000 12	0300 15	0600 18
15 Sum (T_{-12} + To)	41.3	40.4	42.2	41.6	39.0	36.8	38.4	37.2
16 Mean (Sum ÷ 2)	20.7	20.2	21.1	20.8	19.5	18.4	19.2	18.6
17 Attached Thermometer	73	72	73	74	76	75	74	73
18 Barometer as read	928.1	929.0	929.6	929.6	929.7	929.9	929.9	930.2
19 Total Correction	-1.0	-0.9	-1.0	-1.1	-1.2	-1.1	-1.1	-1.0
20 Station Pressure	927.1	928.1	928.6	928.5	928.5	928.8	928.8	929.2
21 Reduction to Sea Level	77.0	77.4	77.3	77.3	77.4	77.7	77.6	77.6
22 Sea Level Pressure	1004.1	1005.5	1005.9	1005.8	1005.9	1006.5	1006.4	1006.8

IV SUMMARY FOR THE CLIMATOLOGICAL DAY ENDING AT 0600 GMT

	$01S_tS_tS_t$	1ssss	$2s_ws_ws_ws_w$ (10)	$3d_md_mf_mf_m$ (66) (67)	$4f_hf_hf_hf_h$ (67 68 64-66)
555					
555	01055	1	2	32717	40000

Day (2 figures)	TEMPERATURE Maximum TENTHS (45)	Minimum TENTHS (46)	REL. HUMIDITY Maximum (47)	Minimum (48)	AMOUNT OF PRECIPITATION 6-HOUR TOTAL AMOUNT 1200Z mm & TENTHS (49)	1800Z mm & TENTHS (50)	0000Z mm & TENTHS (51)	0600Z mm & TENTHS (52)	24-HOUR AMOUNT Rainfall (R,RW,L,ZR,ZL,A) mm & TENTHS (53)	Snowfall (S,SW,IP,IPW,SP,SG,IC) cm & TENTHS (54)	Total Precip mm & TENTHS (55)	DEPTH of snow on the ground at 12Z WHOLE cm (56)	DAY WITH Thunderstorms (57)	Freezing Rain or Freezing Drizzle (58)	Hail (59)	Fog, Ice Fog (vsby less than ½ mi.) (60)	Vsby 6 mi. or less: Smoke, Dust Haze or Haze (61)	Blowing Dust, Blowing Sand (62)	Blowing Snow (63)	MEAN WIND OF 28 or more knots (64)	34 or more knots (65)	PEAK WIND SPEED GUST OR MEAN (leave blank if speed does not exceed 16 knots) Direction nearest 10 degrees (2 figures) (66)	Speed (67)	Time (GMT) (2 figures) (68)
44	237	136	98	53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	11E	02

TORNADO? GRANDE PRAIRIE JULY 2, 1982 ALTA