0498103 ✓ F=2

C

TORNADO PROJECT SUMMARY SHEET

N.B.

1. DATE AND TIME Aug 17, 1981, before 2030Z

2. LOCATION OR PATH (attach map)

10 miles NW of Moncton

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

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

Bedford weather office report.

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

(a) tornado sighted.

b) cars overturned.

T.D. 2035 5800

250 0

5109500

MARITIMES WEATHER OFFICE

BEDFORD, N. S.

DATE: Aug 17, 1981

RECEIVED
AUG 26 1981
Action.....

SHIFT: D
(E)
N
(circle appropriate shift)

Employee Absent	Reason	Replacement	Day of Rest	Time on Duty	Time off Duty

REMARKS: A. GEORGE, BRFR AT YQM CALLED TO TELL US THAT A TORNADO (TWISTER?) HAD TOUCHED GROUND 10 MI NW OF YQM AND WAS MOVING NEWD. HE SAID THAT ONE OF THEIR 'OBSERVER'S HAD REPORTED IT. (NO TIME MENTIONED BUT CALL FM BRFR CAME AT ~2050Z) (DOUG GORVEATTE REPORTS WIDESPREAD DAMAGE (CARS OVERTURNED, ETC) IN N.B. MEDIA REPORTS JP)

E. A. Guimond
Shift Supervisor

Archie

F.Y.I.

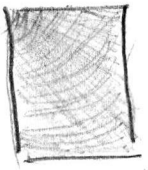
Dick

996 – 2601
Brenda Trower











Human Activity & the Environment
Statistics Canada.

Listing major tornado

MONCTON

Government of Canada / Gouvernement du Canada

ACTION REQUEST / **FICHE DE SERVICE**

To — A	File No. — Dossier N°
CCAI, Downsview M. Newark	Date 1981-08-20

From — De
MAESE

☐ Please call Prière d'appeler	Tel. No. — N° de tél.	Ext. — Poste

☐ Returned your call Vous a rappelé	☐ Will call again Vous rappellera	☐ Wants to see you Désire vous voir

Date	Time — Heure	Message received by Message reçu par

☐ Action Donner suite	☐ Approval Approbation	☐ Note & return Noter et retourner
☐ Comments Commentaires	☐ Draft reply Projet de réponse	☐ Note & forward Noter et faire suivre
☐ As requested Comme demandé	☐ Signature	☐ Note & file Noter et classer

FYI

N.D. Sato

GC 12E

7540-21-868-3907

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

SURFACE WEATHER RECORD

AT MONCTON (A) YQM (STATION NAME AS IN METSTAT) PROVINCE NEW BRUNSWICK FROM 0600 (HOUR GMT) 17 AUG. 1981 (DAY MONTH) TO 0600 (HOUR GMT) 18 AUG 1981 (DAY MONTH) LST = GMT −4 HOURS

CHECKED, CERTIFIED COMPLETE AND CORRECT BY

I OBSERVED DATA AND COMPUTATIONS

1 NOTES AND INSTRUMENT DEFECTS AND CHANGES

PK WND 36 13/623 0406Z
" " 36 15/628 0435Z

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 31	Weather and Obstructions to Vision 32	Sea-level Pressure 33	Dry-Bulb Temperature °C 34	Dew-Point Temperature °C 35	Direction 36	Speed 37	Character 38	Altimeter Setting (in.) 39	CLOUDS and/or OBSCURING PHENOMENA Type/Opacity 40	REMARKS 41	Tendency 42	OBSERVER (Print) 43
	74	8	8	SA	17	0200	12 SCT M 30 BKN	8		019	19 18.7	18 18.3	15	06		959	SC3SC5	7377		KF
	90	7	7	RS SA	17	0306	10 SCT M 30 BKN	7		019	19 18.9	18 18.1	00	00		959	SC2SC5	9177		KF
	94	9	9	RS	17	0400	M 10 BKN	7		016	19 18.7	18 18.1	15	04		958	SC9	7199	(7.4) 504	KF
	/	8	8	C	17	0426	M 10 BKN	5	F				15	05			SCF			KF
	94	8	8	SA	17	0600	M 10 BKN	3	F	016	19 19.5	18 18.5	13	06		958	SF8	5088		KF
	100	10	10	RS	17	0700	2 SCT E 10 OVC	2	F	024	19 19.2	19 18.7	15	06		960	SF4SF6	27XX		KF
	94	10	10	SA	17	1200	2 SCT E 8 OVC	2	F	026	20 20.2	19 19.2	17	08		961	SF4SF6	22XX (8.4)	110	KF
	/	10	10	SP	17	1223	E 3 OVC	1	F				18	04			SF10			KF
	94	10	10	RS	17	1300	M 3 BKN 5 OVC	1½	F	026	21 20.6	20 19.4	15	04		961	SF8SF2	69XX		KF
	/	9	9	SP	17	1328	M 5 BKN 20 BKN	3	F				12	04			SF6SF3			KF
	88	9	9	SA	17	1400	M 5 BKN 22 BKN	3	F	022	22 22.1	20 20.4	18	06		959	SF6SF3	1499		KF
	78	9	9	RS	17	1500	5 SCT M 8 BKN	3	F	020	23 22.7	19 19.4	16	08		959	SF5SF4	7499 (8.4)	606	KF
	78	9	9	RS	17	1600	5 SCT M 12 BKN	3	F	020	24 24.0	20 20.4	18	08		959	SF5SF4	0499		KF
	83	9	9	SA	17	1700	5 SCT M 12 BKN	3	F	005	23 22.8	20 20.3	03	08		955	SF5SF4	8399		KF
	83	10	10	RS	17	1800	12 SCT M 16 OVC	3	F	004	23 23.2	20 20.5	01	06		954	SF4SC6	23XX (8.4)	616	KF
	78	10	10	SA	17	1900	12 SCT M 16 BKN 30 OVC	6	H	004	24 24.4	20 19.7	17	10		954	SF2CU5SC3	47XX TCU ASPCTD		KF
	/	10	10	SP	17	1908	12 SCT M 16 BKN 30 OVC	6	H				18	10			SF2CU5SC3	TORNADO REPTD NW. TCU ASPCTD		KF
	88	9	9	SA	17	2000	12 SCT M 20 BKN	10		004	22 21.4	20 19.6	32	12		954	CU4TCU5	9699 CB EMBD N		KF
	88	7	7	SA	17	2100	12 SCT M 20 BKN	10		011	21 20.6	19 19.7	33	14		957	CU4CU3	6777 TCU ASHTD (5.4)	807	KF
	94	4	4	RS	17	2200	6 SCT	12		013	19 19.2	18 17.7	33	10		957	SC4 SF4	2744		DM
	/	8	8	SP	17	2247	M5 BKN	15					31	09			SC SF8	88		DM
	94	9	9	SA	17	2300	M5 BKN	15		020	18 17.8	17 16.8	33	09		959	SF9	8899		DM
	/	9	9	C	17	2330	M5 BKN	15					35	09			SF9			DM
	100	10	10	RS	18	0000	M4 OVC	15	L-	024	17 17.4	17 16.7	31	07		960	SF10	47XX CIG RGD. (8.4)	113	DM
	/	10	10	C	18	0030	M4 OVC	15	L-				33	09			SF10	CIG RGD		DM
	100	10	10	RS	18	0100	M3 OVC	15		032	16 16.1	16 15.6	31	09		962	SF10	16XX CIG RGD INTMT L-		DM
	/	10	10	C	18	0130	M3 OVC	10					32	08			SF10	CIG RGD INTMT L-		DM
	100	10	10	RS	18	0200	~~M3 OVC~~ M2 OVC	6	L-F	034	16 15.6	16 15.5	29	06		963	SF10	65XX CIG RGD.		DM
	/	10	10	C	18	0230	M2 OVC	3	L-F				30	06			SF10	CIG RGD.		DM
	100	10	10	RS	18	0300	M1 OVC	3	L-F	034	16 15.5	16 15.5	33	09		963	SF10	55XX CIG RGD. (8.4)	110	DM
	/	10	10	C	18	0330	M1 OVC	3	L-F				33	10			SF10	CIG RGD.		DM
	100	10	10	RS	18	0400	M2 OVC	3	L-F	032	15 15.2	15 15.0	36	13	G23	962	SF10	20XX CIG RGD.		DM
	/	10	10	C	18	0430	M2 OVC	3	L-F				36	13	G22		SF10	CIG RGD		DM
	100	10	10	RS	18	0500	M3 OVC	3	L-F	030	14 14.4	14 14.3	36	16	G26	962	SF10	43XX CIG RGD.		DM
	/	10	10	C	18	0530	M3 OVC	3	L-F				36	20			SF10	CIG RGD.		DM
	100	10	10	SA	18	0600	M3 OVC	5	L-F	030	14 14.2	14 13.9	01	15	G23	962	SF10	29XX CIG RGD. 2-4 HND (8.4)	604	DM

(GMT) Type 2	Duration of Weather and/or Obstruction to Vision: Bgn 3	End 4	(GMT) Type 2	Bgn 3	End 4
H	1900	2000			
L--	2346	0000			
L-	0000	→			

III CODED SYNOPTIC REPORTS

Day (GMT)	HOUR	IIiii	N dd ff 26	VV ww W 31 32 2-4	PPP TT 33 34	$N_h C_L h_C C_M C_H$	$T_d T_d$ app 35 42	(99 ppp)	$6P_0P_0P_0P_0$ 20	7 RR R_t s 12 3/4 14	$8N_sC_1h_1h_1$	$8N_sC_2h_2h_2$	$8N_sC_3h_3h_3$	$9S_pS_pS_pt_pt_p$	$2R_{24}R_{24}R_{24}R_{24}$ 13	$4T_xT_xT_nT_n$ 6 8
17	09															(24) 12
	12	71202	8 1702	32102	026 20	771XX	17116		64972	7	8	8	8	9	20166	4 21 18
	15		80106								8	8	8	9		12 24
	18	71202	82206	47102	00423	774XX	20516		64420	7	8	8	8	9	20160	4 25 17
	21			74511							8	8	8	9		12 18
18	00	71202	83107	71512	02417	872XX	17113		69440	79710	8	8	8	9	20108	4 25 17
	03										8	8	8	9		24 24
	06	71202	80115	58515	03014	871XX	14604		69446	79470	8	8	8	98048	20004	4 25 14

HOUR (GMT)	Corrected Maximum TENTHS 5	T_xT_x 6	Corrected Minimum TENTHS 7	T_nT_n 8	Snowfall cm & TENTHS 9	Water equivalent mm & 10 TENTHS	Rainfall mm & TENTHS 11	Total Precipitation mm & TENTHS 12	24-hour Precipitation mm & TENTHS 13	Depth Snow on Ground WHOLE cm 14
12	30.2	(24) 21	18.3	12 18	0	0	0	0	18.0	0
18	25	12 25	20.2	24 18	0	0	0	0	16.0	0
00	25.0	12 25	17.4	18 17	0	0	TR	TR	10.8	0
06	17.2	24 25	14.2	24 14	0	0	0	0.4	0.4	0
24-HR.	25.1		14.2		0	0	0	0.4	0.4	

TIME (GMT)	0900	1200	1500	1800	2100	0000	0300	0600
15 Sum (T_{12} + Td)	32.2	40.4	42.5	42.6	39.3	37.6	38.2	37.4
16 Mean (Sum ÷ 2)	16.1	20.2	21.3	21.3	19.7	18.8	19.1	18.7
17 Attached Thermometer	73	75	76	75	75	73	71	72
18 Barometer as read	1004.5	995.7	995.2	995.5	995.2	995.3	996.1	995.8
19 Total Correction	-1.3	-1.5	-1.6	-1.5	-1.5	-1.3	-1.1	-1.2
20 Station Pressure	1002.9	994.2	993.6	993.0	993.7	994.0	995.0	994.6
21 Reduction to Sea Level	8.4	9.4	9.4	9.4	8.4	8.4	8.4	8.4
22 Sea Level Pressure	1011.3	1003.6	1003.0	1002.4	1002.1	1002.4	1003.4	1003.0

IV SUMMARY FOR THE CLIMATOLOGICAL DAY ENDING AT 0600 GMT

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
17	25.1	14.2	100	78	0	0	TR	0.4	0.4	0	0.4	0	0	0	0	0	1.6	0	0	0	0	36	28	0

*DEPTH of snow on the ground at 12Z: Day 17 — 0 cm