Environment Canada Imaging Cover Page

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SEPTEMBER - OCTOBER CLIMATE AT NEW METEOROLOGICAL HEADQUARTERS

1. The accompanying tables have been made up from the climatological stations nearest the site of the New Meteorological Headquarters to give the best estimate of weather conditions during the period from the beginning of September to the end of October. The elements considered are temperature, precipitation, including snow, and cloudiness.

2. Temperature - The tables were based on 13 years of observations at Downsview Airport and give mean daily maximum temperatures and mean daily minimum temperatures for each week during the period. These were obtained from graphs of monthly mean values. By graphing the averages of the monthly extremes, values were obtained which may be interpreted as estimates of weekly extremes which have a probability of occurrence of approximately 20 per cent.

3. Precipitation-The average values are based on precipitation records at Toronto Downsview South and Toronto Wilson Heights, which bracket the location. Frequency tables were based on the records at Downsview Airport. Irregular variations from week to week are due to the shortness of the record uses. No attempt was made to smooth the data. Snowfall was rare during the period studied. The actual amounts recorded in the 13 years are given in the right hand column.

4. Cloud Amount - Average cloud smount is given for the three synoptic hours 7 a.m., 1 p.m., and 7 p.m., EST based on Downsview Airport data. As the seasonal variation through this part of the year appeared to be small, only monthly values are given. In interpreting average cloud amounts the J-shaped frequency distribution should be remembered. Thus it is more useful to think of a mean cloud amount of 5.0 per cent as meaning that the sky was completely covered 50 per cent of the time, rather than that the cloudiness clusters around this value.

TEMPERATURE
Based on Observations at Downsview (A) 1957-1969

Week (Mon. - Sun.)	Mean Daily Maximum	Mean Daily Minimum	Estimated Extremes Exceeded 20 per cent of the time Maximum	Minimum
Aug. 30 - Sep. 5	74	55	89	40
Sep. 6 - Sep. 12	72	53	88	38
Sep. 13 - Sep. 19	72	51	87	36
Sep. 20 - Sep. 26	68	47	85	33
Sep. 27 - Oct. 3	65	46	82	31
Oct. 4 - Oct. 10	63	44	80	28
Oct. 11 - Oct. 17	60	41	77	26
Oct. 18 - Oct. 24	57	39	74	24
Oct. 25 - Oct. 31	54	37	71	21
Nov. 1 - Nov. 8	51	35	68	18

PRECIPITATION

Week (Mon. - Sun.)	Average Precip. per week (inches)	Percentage of time daily precip. is equal to or greater than Trace	.01	.10	.25	.50	1.00	Recorded Snowfall amounts in inches
Aug. 30 - Sep. 5	.62	46	34	20	11	3	1	0
Sep. 6 - Sep. 12	.58	38	28	14	8	6	0	0
Sep. 13 - Sep. 19	.54	36	24	12	10	7	3	0
Sep. 20 - Sep. 26	.52	55	36	21	10	1	0	0.1
Sep. 27 - Oct. 3	.52	50	33	21	12	7	2	0
Oct. 4 - Oct. 10	.54	51	30	19	7	4	0	0.3, T 3 times
Oct. 11 - Oct. 17	.55	47	24	11	6	2	0	T
Oct. 18 - Oct. 24	.55	53	36	25	18	11	2	T 4 times
Oct. 25 - Oct. 31	.56	51	38	16	6	1	0	1.2, 1.1, 0.1, T 3 times

T indicates trace

AVERAGE CLOUD AMOUNT

	7 a.m.	1 p.m.	7 p.m.
September	5.7	6.1	5.1
October	6.1	6.4	5.3

GRK: Oct. 9, 1970.