

July 2016	Total cloud	Wind		Present Weather	Visibility	Temperatures (°C)									0900 mb Press	state of ground without snow	state of ground with snow	Snow Depth Whole cm	Rainfall 09-09h Thrown back mm & 10ths	Sunshine	Weather 00 hrs - 24 hrs			
		Dir. Whole deg.s	speed knots			Dry bulb	Wet bulb	Max thrown Back	Min	Grass	Conc	Soil									snow sleet	Hail/Ice	Thunder	Gale
												30cm	50cm	100cm										
date																								
01	7	270	05	02	7	12.5	11.4	15.3	10.2	9.3	9.9	15.4	15.3	14.5	1000	1			14.0	3.5	0	1	0	0
02	6	270	13	02	7	13.0	10.8	14.2	7.4	3.0	6.2	15.3	15.4	14.7	1005	1			4.6	1.6	0	0	0	0
03	5	270	13	02	8	12.6	10.2	15.1	9.8	7.3	8.7	15.0	15.3	14.7	1014	1			0.1	3.2	0	0	0	0
04	8	230	02	02	8	14.6	12.6	16.8	10.5	8.6	11.1	15.1	15.0	14.4	1016	1			12.1	1.0	0	0	0	0
05	5	290	05	02	8	13.6	12.0	16.7	10.3	8.8	10.2	15.4	15.2	14.4	1016	1			0.1	6.0	0	0	0	0
06	8	250	02	02	7	12.7	10.5	16.2	7.8	2.1	3.6	15.3	15.3	14.5	1021	1			2.5	0.0	0	0	0	0
07	8	270	02	02	7	13.8	12.5	18.0	12.9	4.5	13.3	15.5	15.3	14.5	1015	1			1.2	4.5	0	0	0	0
08	8	250	02	60	7	13.7	13.4	18.2	13.0	9.5	13.0	16.3	15.6	14.5	1008	1			1.5	2.8	0	0	0	0
09	8	230	02	20	7	16.1	15.7	18.9	12.7	7.7	12.2	16.3	15.8	14.8	1010	1			1.4	0.0	0	0	0	0
10	8	000	00	02	7	15.4	13.8	17.9	13.2	12.0	13.5	16.6	15.9	14.9	1001	1			4.5	0.5	0	0	0	0
11	8	270	02	60	7	15.0	14.8	15.9	13.4	5.7	14.0	16.3	15.9	14.9	999	1			1.3	0.1	0	0	0	0
12	7	270	02	02	7	13.4	11.3	17.0	9.5	4.4	7.8	15.6	15.7	14.9	1011	1			TR	3.0	0	0	0	0
13	5	270	02	02	8	12.6	11.1	16.8	9.7	6.0	9.8	15.8	15.8	15.0	1016	1			0.3	4.3	0	0	1	0
14	4	270	05	02	8	13.4	11.8	19.5	8.2	2.8	6.8	15.9	15.8	15.6	1023	1			0.0	11.5	0	0	0	0
15	8	250	02	02	8	14.3	13.0	19.1	11.4	7.1	11.6	16.6	16.1	15.0	1021	0			3.7	0.0	0	0	0	0
16	6	270	13	02	8	14.2	12.2	16.6	13.1	10.5	12.1	16.1	16.2	15.2	1021	1			TR	8.2	0	0	0	0
17	8	250	13	02	7	13.4	12.3	19.6	12.8	11.0	12.6	16.7	16.3	15.3	1020	0			TR	3.0	0	0	0	0
18	6	250	02	02	8	19.4	17.9	24.6	13.4	10.4	14.2	16.7	16.3	15.3	1019	0			0.0	4.5	0	0	0	0
19	1	250	02	02	8	23.8	19.9	29.7	14.2	10.9	12.5	17.2	16.5	15.4	1017	0			13.7	14.9	0	0	0	0
20	8	070	05	95	6	17.4	17.2	22.7	16.4	15.8	17.8	19.4	17.7	15.7	1007	1			4.2	3.8	0	1	1	0
21	7	250	02	02	8	17.3	14.6	20.5	12.0	7.9	11.0	18.5	17.8	16.0	1014	1			TR	4.5	0	0	0	0
22	3	200	02	02	8	19.5	16.4	22.4	14.0	10.0	12.4	18.5	17.9	16.2	1017	0			1.5	3.1	0	0	0	0
23	8	270	02	02	7	17.1	14.7	19.2	13.5	11.6	13.9	18.7	18.4	16.5	1019	0			0.3	1.7	0	0	0	0
24	7	230	05	02	8	19.0	16.8	19.4	14.3	12.1	13.8	18.7	18.1	16.7	1016	1			3.0	0.5	0	0	0	0
25	7	250	05	02	8	14.5	13.0	16.9	12.3	10.2	11.9	18.4	18.0	16.6	1015	1			1.5	4.2	0	0	0	0
26	8	270	02	02	8	15.0	13.0	17.0	12.8	9.5	12.4	17.8	17.7	16.6	1018	1			22.0	1.0	0	0	0	0
27	6	270	02	02	8	15.2	13.1	17.5	12.9	12.2	13.5	17.6	17.5	16.6	1013	1			2.1	5.6	0	0	0	0
28	8	230	02	63	7	13.4	11.9	16.3	11.3	6.5	10.0	17.4	17.4	16.5	1011	1			7.3	0.3	0	0	0	0
29	7	360	02	02	7	16.0	15.0	21.0	15.4	13.3	14.0	17.5	17.3	16.4	1009	1			TR	4.7	0	0	0	0
30	7	270	09	02	7	13.4	12.2	16.9	10.0	5.9	8.8	17.8	17.7	16.6	1012	1			0.1	2.9	0	0	0	0
31	5	270	09	02	8	13.3	11.2	16.5	9.8	6.6	8.8	17.3	17.4	16.6	1015	1			0.3	5.8	0	0	0	0

		Max	Min	Grass	Conc	30cm	50cm	100cm	Press		Rainfall	Sun	SI/Sn	Hail	Th	Gale
<b>Total</b>		572.4	368.2	263.2	351.4						103.3	110.7	0	2	2	0
<b>Mean</b>		18.5	11.9	8.5	11.3	16.8	16.5	15.5	1014			3.5				

Highest max °C	29.7	on:	19th
Lowest max °C	14.2	on:	2nd
Lowest min °C	7.4	on:	2nd
Highest min °C	16.4	on:	20th
Grass Min °C	2.1	on:	6th

Number of days with:	
Air min below 0.0°C	0
Grass min below 0.0°C	0
Concrete min below 0.0°C	0

Rainfall	Total	%	10yr Avg
	103.3		110.7
Greatest fall in 24 hrs 09-09h:	22.0	On:	24th
Number of days with 0.2 mm or more:	21		
Number of days with 1.0 mm or more:	18		
Number of days with 5.0 mm or more:	5		

Mean Max °C	18.5
Mean Min °C	11.9
Mean °C	15.2

Wind Direction 0900hrs								
N	NE	E	SE	S	SW	W	NW	Calm
1	1	0	0	0	13	14	1	1

Max Gust
42mph
Mean Wind Speed
6.0mph

Fog at 0900hrs
0

Sunshine	
Total	110.7
Sunniest	14.9hrs 19th
Days no sun	3

Pressure		
Mean	1014	at obs
High	1025.3	14th
Low	995.8	10th

July 2016. The 19th was the warmest day of the year by far at 29.7c. It was also the 3rd warmest July day on record and the 7th warmest day overall. rainfall was above average at 110.7% of normal rainfall. Sunshine was well below average with just 68.8% of normal. Mean temperatures despite that hot day were just below normal -0.3c overall. Brampton experienced a rather severe morning Thunderstorm on the 20th July, with thunder overhead and large hail.

Date	Before 0900hrs	After 0900hrs
01/07/2016	Rain O/N Cloudy	Showers, heavy with hail 1730hrs
02/07/2016	Rain O/N Cloudy	Showers dry eve
03/07/2016	Mainly cloudy, breezy	Dry Day, showers eve
04/07/2016	Dry Cloudy	Rain from 1pm, warmer
05/07/2016	Dry Partial cloud	Dry day sunny spells
06/07/2016	Cloudy	A few spits of rain
07/07/2016	Cloudy	Dry day sunny spells
08/07/2016	Rain O/N Cloudy	Light shower Am, dry PM
09/07/2016	Rain O/N drizzle	Occ light rain, humid
10/07/2016	Rain O/N Cloudy	Occ Rain
11/07/2016	Light rain	Occ showers
12/07/2016	Dry mainly cloudy	Dry day sunny spells
13/07/2016	Dry sunny spells	Occ Showers, thunder 1925hrs
14/07/2016	Dry bright start	Dry day sunny spells
15/07/2016	Dry Cloudy	Rain at times humid
16/07/2016	Dry cooler cloudy	Dry day sunny spells
17/07/2016	Sign of shower O/N	Dry day sunny spells
18/07/2016	Partial cloud	Sunny spells warm
19/07/2016	Warm and sunny	Very warm and HOT, very warm eve
20/07/2016	Vilent t-storm hail 0754	Thunder all morning, dry PM
21/07/2016	Dry Cloudy	Sunny spells
22/07/2016	Dry sunny spells	Sunny spells, shower later
23/07/2016	Dry mainly cloudy	Dry day mainly cloudy
24/07/2016	Dry warm cloudy	Rain from 12noon
25/07/2016	Dry cloudy	Shower AM, sunny spells, cool
26/07/2016	Dry cloudy	Occ light shower, cooler
27/07/2016	Rain O/N heavy, dry start	Dry day with sunny spells
28/07/2016	Dry start, rain at Obs	Spells of rain, drizzle later, cool
29/07/2016	Rain O/N Cloudy	Sunnyspells shower 4pm
30/07/2016	Mainly Cloudy	A few light showers
31/07/2016	Dry sunny spells	Light shower 4pm