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Summary of Climatological Observations for H32645 - LINCOLN, BROADFIELD EWS

Period	M/M	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Y/M	Year
Total Rainfall (mm)															
Max 1999-2004	9	124.6	61.4	55.4	79.8	72.4	94.6	158.4	136.8	88.2	78.6	86.4	44.2	2	688.6
Mean		61.6	29.0	36.2	51.8	44.6	41.2	57.0	68.4	43.7	54.5	67.4	30.4		561.4
Min		21.2	6.4	4.2	5.0	23.0	9.4	10.8	30.2	15.2	27.2	35.6	1.2		416.6
Rain Days - Number of days with 0.1mm or more (day)															
Max 1999-2004	9	14.0	13.0	8.0	12.0	16.0	14.0	15.0	17.0	12.0	13.0	16.0	11.0	2	111.0
Mean		10.6	7.4	5.4	8.6	10.2	8.6	9.3	11.7	7.5	10.4	12.2	7.0		103.3
Min		8.0	4.0	4.0	2.0	6.0	5.0	5.0	9.0	3.0	8.0	8.0	3.0		94.0
Wet days - Number of days with 1mm or more of rain (day)															
Max 1999-2004	9	13.0	10.0	6.0	9.0	9.0	9.0	13.0	12.0	7.0	10.0	13.0	8.0	2	76.0
Mean		7.8	5.4	4.0	5.8	6.2	5.8	6.5	7.7	4.8	8.2	7.8	3.8		69.5
Min		4.0	3.0	3.0	2.0	3.0	3.0	3.0	4.0	3.0	7.0	6.0	0.0		58.0
Maximum 1-day rainfall - 9am to 9am local time (mm)															
Max 1999-2004	9	33.0	32.2	38.0	36.8	43.8	26.6	25.2	36.6	33.8	30.2	30.6	31.6	2	43.8
Mean		18.5	12.0	19.6	22.5	20.3	16.2	15.7	22.1	20.3	19.9	20.8	16.7		34.3
Min		8.6	3.6	1.4	2.6	6.6	5.0	2.6	5.2	9.6	11.8	13.8	0.8		22.2
Extreme Maximum Air Temperature (Celsius)															
Max 1999-2004	12	31.6	33.8	30.2	27.4	27.1	20.8	18.0	21.6	25.4	26.8	26.5	30.0	4	33.8
Mean		29.6	31.2	28.5	25.1	23.5	19.9	17.4	19.9	23.0	24.3	25.0	28.8		32.7
Min		27.0	28.1	25.0	20.5	21.1	19.2	16.7	18.9	19.6	22.4	21.7	26.0		31.6
Mean Daily Maximum Air Temperature (Celsius)															
Max 1999-2004	9	23.4	22.8	21.4	19.1	15.8	14.5	12.1	13.4	17.2	17.8	18.7	22.3	2	17.0
Mean		20.9	21.1	20.4	16.7	14.9	13.2	11.0	12.3	15.5	16.9	17.6	21.1		16.9
Min		19.6	18.9	19.6	15.1	13.8	12.3	10.2	10.5	14.5	16.0	16.2	19.1		16.7
Lowest Maximum Air Temperature (Celsius)															
Max 1999-2004	12	15.8	16.1	15.7	13.1	9.9	9.8	8.3	8.7	10.7	10.8	12.1	15.1	4	5.5
Mean		13.9	14.7	14.4	10.7	8.6	6.6	6.0	7.1	8.9	10.1	11.0	14.2		4.5
Min		11.6	13.5	13.2	7.9	6.3	3.4	2.8	5.7	7.0	9.6	9.7	13.4		3.4
Highest Daily Mean Temperature (Celsius)															
Max 1999-2004	12	24.4	24.1	23.2	21.7	18.4	16.0	13.5	17.3	17.2	20.1	20.5	24.0	4	24.4
Mean		22.6	22.9	21.6	19.4	17.1	14.8	11.8	13.3	15.6	17.9	18.7	21.7		24.3
Min		20.5	21.8	19.5	16.1	15.3	12.7	9.8	11.9	14.1	17.2	15.6	19.1		24.1
Mean Air Temperature (Celsius)															
Max 1999-2004	9	18.3	17.3	15.8	12.8	10.5	8.9	7.9	8.1	11.2	13.0	13.7	16.9	2	11.9
Mean		16.2	16.2	15.1	11.8	10.0	7.9	6.0	7.4	10.1	11.7	12.7	15.7		11.8
Min		14.9	15.1	14.4	10.5	9.5	6.9	4.7	6.4	9.4	10.1	10.7	14.0		11.6
Lowest Daily Mean Temperature (Celsius)															
Max 1999-2004	12	12.1	12.0	11.3	9.6	6.7	3.3	4.1	3.8	5.9	8.4	9.1	11.3	4	1.0

Mean		11.1	11.2	10.1	7.2	5.1	2.6	2.5	3.1	5.5	6.8	8.2	10.3		0.9	
Min		9.8	10.5	9.0	4.1	3.0	0.8	1.0	2.3	4.7	5.5	6.7	9.3		0.8	
Highest Minimum Air Temperature (Celsius)																
Max	1999-2004	12	19.6	18.4	17.1	16.2	13.8	11.3	9.4	13.0	12.9	16.2	15.7	18.7	4	18.7
Mean			17.1	16.4	15.7	14.3	12.6	10.1	7.8	9.5	10.9	13.2	13.8	16.7		18.3
Min			14.6	15.1	13.5	12.1	10.3	7.4	5.0	7.7	10.0	11.2	10.6	14.1		17.8
Mean Daily Minimum Air Temperature (Celsius)																
Max	1999-2004	9	13.3	11.7	11.3	8.2	6.5	3.7	3.8	3.1	5.3	8.3	9.5	11.4	2	6.9
Mean			11.4	11.4	9.8	7.0	5.1	2.6	1.0	2.5	4.7	6.5	7.7	10.3		6.7
Min			9.7	11.1	9.0	6.0	4.0	1.5	-0.8	2.2	3.7	4.0	5.3	8.9		6.5
Extreme Minimum Air Temperature (Celsius)																
Max	1999-2004	12	7.3	6.2	3.9	2.4	0.0	-1.2	-2.3	-2.3	-0.1	2.8	3.4	7.2	4	-4.4
Mean			4.9	4.4	2.5	0.2	-2.2	-2.9	-3.8	-3.1	-1.0	0.6	1.5	3.8		-5.1
Min			3.9	2.7	0.1	-1.3	-4.1	-4.5	-5.7	-4.2	-3.2	-1.8	-0.4	0.4		-5.7
Mean Daily Grass Minimum Temperature (Celsius)																
Max	1999-2004	9	11.1	9.7	9.1	5.9	4.6	1.2	1.8	0.9	3.0	6.6	7.5	9.5	2	4.7
Mean			9.7	9.3	7.3	4.5	2.8	-0.2	-1.3	0.4	1.8	4.1	5.5	8.2		4.3
Min			7.6	8.7	6.5	3.3	1.3	-1.5	-3.7	-0.1	0.5	1.5	2.8	6.7		4.1
Extreme Grass Minimum Temperature (Celsius)																
Max	1999-2004	12	3.0	2.4	-0.6	-1.4	-1.9	-4.2	-5.6	-4.9	-3.7	0.5	0.8	4.1	4	-7.9
Mean			1.9	0.0	-1.9	-3.2	-5.7	-6.8	-7.5	-6.7	-5.1	-2.5	-1.9	0.1		-8.6
Min			0.8	-2.7	-4.5	-5.1	-9.1	-8.0	-9.3	-7.9	-7.5	-5.5	-3.6	-2.6		-9.3
Mean 10cm Earth Temperature (Celsius)																
Max	1999-2004	9	19.0	16.6	16.3	11.1	8.6	5.6	6.2	5.3	8.4	11.4	13.7	16.9	2	10.5
Mean			16.6	15.4	14.2	10.3	7.8	4.8	3.8	4.9	7.6	10.2	12.5	16.0		10.4
Min			15.0	14.3	13.1	9.6	7.1	4.0	2.3	4.1	6.7	9.0	11.3	14.9		9.9
Mean 20cm Earth Temperature (Celsius)																
Max	1999-2004	9	19.8	17.9	17.3	12.4	9.5	6.7	7.3	6.3	8.8	12.2	14.7	17.7	2	11.6
Mean			17.7	16.8	15.5	11.5	9.0	6.0	4.9	5.9	8.2	11.0	13.4	16.9		11.4
Min			16.3	15.8	14.4	10.7	8.7	5.3	3.6	5.1	7.0	10.0	12.5	16.0		11.1
Mean 30cm Earth Temperature (Celsius)																
Max	1999-2004	9	20.1	20.9	20.2	14.5	11.6	7.3	7.8	7.2	9.6	12.6	15.7	18.8	2	13.3
Mean			18.3	18.0	16.7	12.8	10.1	6.7	5.6	6.6	8.9	11.8	14.4	17.6		12.4
Min			17.2	16.6	14.8	10.9	9.6	6.0	4.2	5.4	7.3	11.1	13.3	16.8		11.9
Mean 50cm Earth Temperature (Celsius)																
Max	1999-2004	9	20.4	19.4	18.5	14.3	11.2	8.2	8.3	7.4	9.7	12.5	15.5	18.3	2	13.0
Mean			18.5	18.1	17.0	13.4	10.8	7.7	6.4	7.1	9.3	11.9	14.4	17.4		12.6
Min			17.5	17.1	16.4	12.7	10.5	6.9	5.0	6.6	8.2	11.3	13.5	16.7		12.3
Mean 100cm Earth Temperature (Celsius)																
Max	1999-2004	9	18.8	18.2	17.8	14.9	12.8	10.1	9.2	8.4	9.8	11.9	14.4	16.5	2	13.1
Mean			17.4	17.4	16.7	14.4	12.3	9.5	7.9	8.0	9.4	11.3	13.6	15.9		12.8
Min			16.5	16.7	16.1	14.0	11.9	8.8	7.0	7.6	8.6	11.0	12.9	15.3		12.5

Days of occurrence: Ground Frost (day)																
Max	1999-2004	12	0.0	1.0	3.0	6.0	10.0	18.0	24.0	15.0	13.0	11.0	6.0	2.0	4	77.0
Mean			0.0	0.4	1.0	3.6	7.3	13.5	16.2	12.2	9.2	4.2	2.4	0.6		76.5
Min			0.0	0.0	0.0	1.0	4.0	9.0	8.0	10.0	7.0	0.0	0.0	0.0		76.0
Days of occurrence: Screen Frost (day)																
Max	1999-2004	12	0.0	0.0	0.0	1.0	8.0	13.0	21.0	11.0	4.0	3.0	1.0	0.0	4	49.0
Mean			0.0	0.0	0.0	0.6	3.8	9.3	13.2	7.8	2.0	0.8	0.2	0.0		45.5
Min			0.0	0.0	0.0	0.0	0.0	5.0	4.0	5.0	1.0	0.0	0.0	0.0		42.0
Mean of 9am Relative Humidity (percent)																
Max	1999-2004	11	85.3	86.6	88.0	90.3	87.7	83.9	90.9	86.1	81.9	82.5	81.8	82.1	2	84.7
Mean			78.8	79.5	80.3	84.4	84.7	81.2	86.7	82.5	75.0	78.8	74.7	75.6		80.3
Min			72.6	73.7	73.3	80.0	80.9	77.3	83.0	75.5	64.1	72.7	67.2	67.4		77.1
Mean Vapour Pressure (hPa)																
Max	1999-2004	11	15.1	15.2	13.9	12.8	10.1	8.4	9.0	8.3	10.0	12.2	13.1	15.9	2	11.5
Mean			14.0	13.6	12.9	11.3	9.8	7.8	7.2	7.9	9.3	10.8	11.1	13.4		10.8
Min			12.6	12.4	12.0	10.5	9.1	7.3	6.4	7.4	8.2	9.0	10.2	12.0		10.2
Mean Daily Global Radiation (MJ/sq m)																
Max	1999-2004	9	23.1	22.4	16.1	10.5	6.0	4.7	5.9	8.7	13.2	19.2	23.5	25.4	2	14.2
Mean			20.8	18.3	15.3	9.0	5.6	4.5	5.3	7.7	12.6	17.0	20.8	23.7		13.5
Min			17.9	15.3	14.8	8.4	4.9	4.3	4.8	7.1	12.0	14.5	18.8	19.9		13.0
Highest Daily Wind Run (km)																
Max	1999-2004	15	959.0	850.0	829.0	812.0	780.0	709.0	1026.0	885.0	719.0	776.0	949.0	754.0	3	959.0
Mean			780.0	698.5	704.0	678.4	660.4	590.8	685.0	684.0	653.0	704.3	716.4	649.0		898.3
Min			655.0	614.0	648.0	563.0	458.0	464.0	528.0	521.0	605.0	605.0	603.0	495.0		787.0
Mean Daily Wind Run (km)																
Max	1999-2004	15	439.2	457.8	405.9	347.2	339.0	364.2	347.6	415.2	409.5	370.5	481.7	450.3	3	375.3
Mean			393.3	418.8	376.8	322.8	310.4	314.2	289.7	338.5	376.6	366.6	414.8	404.0		359.8
Min			354.9	364.0	347.3	299.4	264.8	282.9	248.3	278.4	347.5	360.5	365.7	340.1		343.3
Mean Wind Speed (m/sec)																
Max	1999-2004	9	5.0	5.3	4.6	4.0	3.9	4.3	4.0	4.7	4.8	4.6	5.6	5.2	2	4.3
Mean			4.5	4.9	4.3	3.8	3.6	3.6	3.2	3.9	4.3	4.4	4.8	4.7		4.1
Min			4.1	4.2	4.0	3.5	3.1	3.2	2.1	3.2	4.0	4.2	4.3	4.0		4.0
Days of Wind Gust >= 24 knots (day)																
Max	1999-2004	13	20.0	20.0	19.0	14.0	16.0	13.0	11.0	19.0	22.0	19.0	20.0	23.0	3	175.0
Mean			15.8	18.0	14.4	10.0	11.8	12.0	7.6	9.8	17.2	17.0	18.4	18.4		165.3
Min			10.0	15.0	8.0	8.0	8.0	9.0	5.0	3.0	12.0	15.0	16.0	12.0		160.0
Days of Wind Gusts >= 33 knots (day)																
Max	1999-2004	13	7.0	6.0	7.0	3.0	6.0	4.0	5.0	8.0	10.0	4.0	11.0	8.0	3	68.0
Mean			5.0	4.2	4.2	1.8	3.0	2.3	3.2	3.8	6.0	3.5	6.2	4.4		48.7
Min			2.0	1.0	2.0	1.0	0.0	1.0	2.0	0.0	2.0	3.0	3.0	1.0		34.0
Days of wind Gusts >= 51 knots (day)																
Max	1999-2004	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	1.0	3	3.0

Mean		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.2	1.0	
Min		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Wind-Gust - Highest Speed (m/sec)																
Max	1999-2004	13	23.2	25.7	25.7	22.1	23.7	24.2	22.6	26.8	23.2	24.2	26.3	26.3	3	26.8
Mean			20.7	22.7	21.2	19.7	20.5	21.5	20.9	20.4	21.5	20.2	23.4	21.6		24.9
Min			18.0	18.5	18.5	17.0	16.5	17.0	19.0	16.0	19.0	17.0	19.0	17.0		23.7
Maximum 10-minute Rainfall (mm)																
Max	2000-2004	9	3.9	3.9	3.5	3.7	1.3	1.2	1.6	2.7	2.0	8.4	9.5	5.4	2	8.4
Mean			2.0	2.3	2.0	2.2	1.1	1.0	1.2	2.0	1.4	3.3	3.7	2.9		4.6
Min			1.2	0.9	0.7	0.7	0.9	0.7	1.0	1.2	1.1	1.2	1.3	0.4		2.2
Maximum 20-minute Rainfall (mm)																
Max	2000-2004	9	6.0	5.5	4.5	6.9	2.1	2.2	2.3	4.0	2.9	11.2	9.9	6.8	2	11.2
Mean			3.1	3.4	3.0	3.5	1.6	1.6	1.7	3.0	2.1	4.7	4.4	3.8		6.2
Min			1.8	1.4	0.9	1.2	1.3	1.0	1.4	2.1	1.6	2.1	1.6	0.5		3.5
Maximum 30-minute Rainfall (mm)																
Max	2000-2004	9	7.6	7.4	5.9	9.6	2.7	3.0	3.4	5.0	3.5	12.3	9.9	8.0	2	12.3
Mean			4.1	4.4	3.7	4.5	2.0	2.0	2.2	3.9	2.7	5.5	4.9	4.3		6.7
Min			2.5	1.8	1.0	1.6	1.7	1.3	1.7	3.1	2.1	3.0	2.2	0.6		3.9
Maximum 1-hour Rainfall (mm)																
Max	2000-2004	9	11.4	10.2	7.0	14.1	4.5	5.6	6.6	8.8	6.4	15.3	9.9	11.3	2	15.3
Mean			6.1	5.7	4.8	6.9	3.4	3.6	3.6	5.7	4.6	7.6	6.4	6.2		9.1
Min			3.9	1.8	1.2	2.2	2.3	2.4	1.7	3.9	3.3	4.6	3.6	0.9		5.5
Maximum 2-hour Rainfall (mm)																
Max	2000-2004	9	18.5	14.8	9.1	21.6	6.1	10.5	10.8	16.2	9.7	15.4	10.2	14.3	2	18.5
Mean			9.3	7.4	5.8	10.9	4.7	6.1	5.5	9.5	7.4	9.3	8.6	9.3		12.7
Min			5.1	1.8	1.2	2.8	3.5	3.7	2.2	5.7	5.1	7.0	6.2	1.2		8.9
Maximum 6-hour Rainfall (mm)																
Max	2000-2004	9	32.2	18.8	18.5	36.5	12.5	19.3	13.7	30.1	17.5	16.7	18.0	23.4	2	32.2
Mean			15.3	9.5	10.3	21.4	9.2	11.2	8.9	15.9	14.3	13.5	14.7	12.8		21.3
Min			8.6	2.8	1.3	3.0	5.8	5.9	3.2	5.7	11.3	10.8	11.6	1.2		11.8
Maximum 12-hour Rainfall (mm)																
Max	2000-2004	9	34.7	24.0	26.7	45.0	18.3	20.9	22.4	47.5	21.6	21.3	24.1	30.2	2	37.3
Mean			18.0	11.2	13.4	29.5	12.9	13.3	12.4	23.3	17.8	18.3	20.0	15.2		28.3
Min			9.2	3.9	1.7	4.5	5.8	6.3	3.4	5.7	11.3	16.7	16.1	1.2		16.7
Maximum 24-hour Rainfall (mm)																
Max	2000-2004	9	39.2	29.8	35.2	52.8	21.4	33.2	22.9	70.2	35.3	28.7	29.4	33.4	2	42.9
Mean			22.5	13.0	17.7	34.8	14.3	18.2	15.5	32.6	21.6	22.1	24.1	16.0		35.3
Min			14.5	5.2	2.5	4.8	5.8	6.3	3.4	5.7	11.3	19.5	17.9	1.2		23.7
Maximum 48-hour Rainfall (mm)																
Max	2000-2004	9	44.2	32.2	36.0	54.0	27.4	35.2	27.5	78.0	44.1	36.8	37.0	33.4	2	46.4
Mean			26.5	13.8	20.2	36.2	17.4	19.0	18.8	38.9	24.6	26.6	29.9	16.7		42.5
Min			18.0	5.7	2.5	4.9	6.6	6.3	3.4	10.5	11.4	19.8	18.4	1.4		37.0

Maximum 72-hour Rainfall (mm)																
Max	2000-2004	9	55.7	32.9	49.2	61.3	31.6	44.3	29.0	78.6	44.8	38.7	51.9	33.6	2	55.7
Mean			29.5	14.6	23.5	38.5	20.0	21.5	19.3	39.9	24.7	27.4	36.0	18.0		49.1
Min			18.5	5.7	2.5	4.9	9.9	6.5	3.4	10.6	11.4	21.1	19.8	1.4		42.5

M/M = Total number of months missing during the given period

Y/M = Total number of years missing during the given period