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Summary of Climatological Observations for D87695 - GISBORNE AWS

Period	M/M	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Y/M	Year
Total Rainfall (mm)															
Max 1990-2004	5	109.4	225.8	233.2	210.8	258.8	190.8	200.6	189.8	182.6	146.0	146.0	168.8	3	1186.6
Mean		60.0	81.0	92.0	96.6	89.8	84.1	120.3	76.8	65.6	60.7	70.7	65.6		929.5
Min		17.2	7.4	12.0	31.0	21.6	23.8	30.2	7.2	11.6	6.0	15.6	1.6		638.6
Rain Days - Number of days with 0.1mm or more (day)															
Max 1990-2004	6	15.0	17.0	23.0	22.0	20.0	18.0	20.0	21.0	22.0	18.0	20.0	17.0	4	171.0
Mean		10.1	10.3	13.1	12.9	13.8	13.9	16.3	14.6	13.5	11.1	11.7	9.8		147.1
Min		4.0	4.0	6.0	5.0	9.0	9.0	12.0	7.0	7.0	6.0	2.0	4.0		125.0
Wet days - Number of days with 1mm or more of rain (day)															
Max 1990-2004	6	10.0	13.0	19.0	17.0	17.0	16.0	19.0	16.0	15.0	13.0	14.0	12.0	4	126.0
Mean		6.9	7.9	9.6	9.0	9.8	9.7	13.2	10.3	8.9	7.4	8.3	6.3		104.9
Min		3.0	2.0	3.0	4.0	5.0	6.0	9.0	3.0	5.0	3.0	1.0	0.0		84.0
Maximum 1-day rainfall - 9am to 9am local time (mm)															
Max 1990-2004	5	59.2	66.2	119.4	65.0	102.0	65.4	64.6	72.4	95.6	63.6	53.6	60.0	3	119.4
Mean		23.3	29.3	35.2	34.4	33.2	29.0	32.5	23.9	24.7	22.6	24.1	22.1		72.3
Min		9.2	4.4	6.4	7.4	5.2	9.6	11.0	2.4	3.4	1.6	5.4	0.6		42.2
Extreme Maximum Air Temperature (Celsius)															
Max 1990-2004	13	36.8	32.7	30.7	27.6	26.1	21.9	21.0	21.0	24.7	29.2	29.7	33.6	7	36.8
Mean		31.0	29.8	28.0	25.5	22.9	20.2	18.5	19.5	21.9	24.5	26.2	29.7		32.6
Min		28.0	26.9	25.9	22.5	20.5	18.5	16.2	17.5	19.4	22.3	23.4	25.6		30.1
Mean Daily Maximum Air Temperature (Celsius)															
Max 1990-2004	3	26.9	27.9	25.5	22.0	18.9	17.4	16.0	16.4	18.4	21.5	22.7	25.3	1	20.9
Mean		24.2	24.1	22.3	19.7	17.6	15.3	14.1	15.0	16.8	19.0	20.3	23.1		19.3
Min		21.4	20.7	20.3	17.3	15.3	13.7	13.1	13.5	14.7	16.7	17.9	20.5		18.0
Lowest Maximum Air Temperature (Celsius)															
Max 1990-2004	20	19.6	20.7	20.2	17.5	14.7	12.4	12.2	12.3	13.6	17.8	15.9	18.9	8	10.8
Mean		17.3	18.4	17.1	14.8	13.1	10.3	10.0	10.5	11.8	13.2	14.6	16.8		9.6
Min		15.3	16.5	15.1	12.6	10.7	9.0	6.5	8.7	9.7	10.5	12.6	14.0		8.7
Highest Daily Mean Temperature (Celsius)															
Max 1990-2004	25	27.9	26.4	26.1	22.2	21.4	17.4	17.1	16.4	19.7	22.4	23.6	25.2	10	25.3
Mean		24.5	23.8	22.1	20.0	18.3	15.3	14.4	15.0	16.6	18.7	20.7	23.5		24.9
Min		21.2	20.7	19.7	17.2	15.8	13.1	11.7	13.5	14.1	15.3	17.9	21.5		24.5
Mean Air Temperature (Celsius)															
Max 1990-2004	3	20.9	22.2	19.8	17.0	13.8	12.4	11.8	11.7	13.3	16.3	17.1	19.7	1	15.7
Mean		19.1	19.1	17.4	14.9	12.7	10.5	9.7	10.2	11.8	13.9	15.4	18.1		14.4
Min		17.4	16.9	15.5	13.0	11.0	9.5	8.2	8.9	10.0	12.4	13.6	16.4		13.1
Lowest Daily Mean Temperature (Celsius)															
Max 1990-2004	25	16.1	16.2	16.7	13.3	10.3	7.8	8.7	7.6	10.0	11.2	12.6	15.3	10	6.6

Mean			13.7	14.3	13.3	10.5	9.1	6.2	6.4	6.7	7.9	9.4	11.0	13.0		6.1
Min			11.7	11.4	11.3	8.4	7.4	5.3	3.8	5.7	6.6	7.2	9.7	9.8		5.4
Highest Minimum Air Temperature (Celsius)																
Max	1990-2004	22	22.7	23.0	23.9	19.9	18.3	14.8	14.3	12.5	15.9	19.0	20.1	22.1	10	22.1
Mean			19.8	19.6	18.1	16.4	14.7	12.8	11.6	11.6	13.1	15.1	16.6	19.5		20.2
Min			17.3	17.2	15.0	13.1	11.5	10.3	8.5	9.8	10.2	13.4	13.8	18.6		18.7
Mean Daily Minimum Air Temperature (Celsius)																
Max	1990-2004	3	15.6	16.5	14.3	13.3	9.3	7.4	7.7	7.3	9.1	11.1	11.8	15.0	1	10.4
Mean			13.9	14.2	12.5	10.1	7.8	5.7	5.3	5.4	6.9	9.0	10.5	13.1		9.5
Min			11.8	12.5	10.4	7.6	6.6	4.0	3.4	4.3	5.3	7.1	8.7	11.6		8.2
Extreme Minimum Air Temperature (Celsius)																
Max	1990-2004	12	9.1	10.9	10.8	7.5	4.8	1.4	1.5	1.9	3.6	6.2	5.9	9.3	6	0.0
Mean			7.3	7.6	7.1	3.9	2.3	0.1	-0.3	-0.2	1.2	3.1	4.2	6.5		-1.1
Min			4.8	3.6	3.6	0.5	0.3	-1.4	-3.1	-5.3	-0.2	1.2	2.4	2.9		-5.3
Mean Daily Grass Minimum Temperature (Celsius)																
Max	1993-2004	11	14.7	15.0	13.3	11.5	8.0	5.4	5.5	4.8	7.5	10.4	10.2	14.6	3	8.8
Mean			12.6	13.0	11.3	8.8	5.8	3.2	2.9	2.5	4.6	6.7	8.8	11.8		7.7
Min			11.1	10.6	7.8	5.2	4.4	1.5	1.2	0.8	2.3	4.8	8.1	10.2		6.7
Extreme Grass Minimum Temperature (Celsius)																
Max	1993-2004	37	6.9	8.8	8.3	4.5	2.8	-1.5	0.4	-0.7	1.9	5.4	3.6	8.4	10	-3.5
Mean			5.0	5.7	5.0	2.5	-0.6	-2.7	-2.7	-2.8	-1.5	0.7	1.3	4.8		-3.7
Min			1.8	1.4	2.3	-0.5	-3.2	-3.4	-5.4	-4.9	-4.1	-1.3	-0.5	-0.5		-3.8
Days of occurrence: Ground Frost (day)																
Max	1993-2004	43	0.0	0.0	0.0	0.0	3.0	12.0	12.0	12.0	7.0	1.0	0.0	0.0	12	
Mean			0.0	0.0	0.0	0.0	1.0	5.7	5.2	6.1	2.1	0.3	0.0	0.0		
Min			0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0		
Days of occurrence: Screen Frost (day)																
Max	1990-2004	14	0.0	0.0	0.0	0.0	0.0	2.0	3.0	2.0	1.0	0.0	0.0	0.0	8	4.0
Mean			0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.6	0.1	0.0	0.0	0.0		1.7
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
Mean of 9am Relative Humidity (percent)																
Max	1990-2004	20	75.4	88.2	86.5	84.9	84.3	89.0	87.2	84.3	77.3	76.1	74.9	74.9	3	79.7
Mean			70.3	76.9	77.0	79.1	79.3	80.3	81.2	76.5	71.0	70.2	67.6	67.5		74.9
Min			59.9	66.0	65.7	72.6	72.7	75.9	73.3	69.6	63.7	58.9	56.9	59.7		71.0
Mean Vapour Pressure (hPa)																
Max	1990-2004	20	17.3	19.4	17.2	16.0	13.0	11.0	11.2	10.2	11.4	13.4	13.8	16.5	3	13.3
Mean			15.5	16.5	15.0	13.5	11.5	9.7	9.5	9.3	10.4	11.3	12.0	14.3		12.4
Min			13.4	14.8	12.4	11.5	10.3	8.8	8.3	8.6	9.0	9.7	10.7	13.0		11.6
Mean Daily Global Radiation (MJ/sq m)																
Max	1990-2004	15	25.3	21.9	18.4	12.1	8.6	9.1	7.8	11.3	15.3	20.6	22.6	25.8	3	15.1
Mean			22.8	19.0	15.4	10.8	7.8	6.5	6.6	9.8	14.0	18.5	20.8	23.1		14.5
Min			20.3	15.4	12.8	8.6	7.1	5.3	5.5	9.1	11.6	15.9	18.5	19.0		13.9

Highest Daily Wind Run (km)																
Max	1990-2004	50	649.0	639.0	656.0	653.0	627.0	742.0	594.0	678.0	724.0	850.0	1047.0	696.0	15	
Mean			561.0	477.9	515.4	486.5	503.6	598.6	514.0	593.5	578.2	592.1	652.0	570.8		
Min			413.0	335.0	410.0	340.0	388.0	483.0	399.0	467.0	374.0	466.0	479.0	484.0		
Mean Daily Wind Run (km)																
Max	1990-2004	49	341.4	325.7	322.3	287.2	275.7	306.6	305.3	332.9	332.0	445.0	435.2	364.9	15	
Mean			288.1	259.3	254.6	232.1	234.0	273.1	259.6	275.6	270.6	320.5	327.2	305.2		
Min			230.5	195.0	198.2	205.0	172.7	192.5	226.6	210.0	121.2	252.6	277.0	260.3		
Mean Wind Speed (m/sec)																
Max	1991-2004	13	4.0	3.8	3.6	3.3	4.0	3.6	3.5	3.9	4.3	5.2	5.0	4.3	2	3.4
Mean			3.3	3.0	3.0	2.7	2.9	3.0	2.9	3.2	3.4	3.6	3.8	3.5		3.2
Min			2.7	2.3	2.3	2.3	2.0	2.5	2.3	2.7	2.6	2.9	3.2	3.0		2.9
Days of Wind Gust >= 24 knots (day)																
Max	1991-2004	30	15.0	15.0	14.0	10.0	13.0	16.0	16.0	16.0	19.0	23.0	19.0	17.0	10	145.0
Mean			8.3	5.8	7.2	5.4	7.7	9.0	9.5	9.4	11.0	12.8	12.4	11.9		110.5
Min			3.0	0.0	2.0	1.0	3.0	3.0	5.0	5.0	4.0	5.0	7.0	9.0		92.0
Days of Wind Gusts >= 33 knots (day)																
Max	1990-2004	39	3.0	6.0	6.0	2.0	3.0	5.0	3.0	4.0	5.0	10.0	7.0	4.0	11	30.0
Mean			1.7	1.1	1.2	0.5	1.0	2.0	1.2	2.1	1.7	3.8	3.1	1.7		23.0
Min			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0		15.0
Days of wind Gusts >= 51 knots (day)																
Max	1990-2004	39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	0.0	11	1.0
Mean			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0		0.3
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
Wind-Gust - Highest Speed (m/sec)																
Max	1991-2004	30	21.6	20.6	21.6	19.0	21.1	25.7	22.6	23.2	27.8	27.8	30.9	24.7	10	27.8
Mean			18.5	16.3	16.9	16.5	17.4	20.3	18.9	19.0	18.9	20.0	19.9	19.5		23.8
Min			14.9	11.3	12.9	12.9	13.4	16.0	14.9	15.4	14.4	17.0	15.4	15.4		19.6
Mean MSL Pressure at 9am (hPa)																
Max	1990-2004	5	1021.9	1022.6	1022.5	1023.2	1022.7	1019.8	1027.3	1021.1	1023.5	1021.1	1016.5	1016.5	2	1018.3
Mean			1015.5	1016.0	1016.7	1018.4	1016.1	1014.6	1015.5	1013.8	1015.1	1014.4	1012.5	1013.8		1015.3
Min			1012.4	1007.2	1013.1	1011.9	1010.2	1007.9	1004.3	1003.7	1005.4	1010.7	1006.0	1008.9		1012.3

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

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