

Station Name: Castlepoint SYNOP (CPX)

Period: 1991-10-01 - 2021-07-02

Length of record: 29 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
<b>Temperature, degrees Celsius</b>														
mean	19.1	19.3	18	16	14	11.8	10.9	11.3	12.8	14.2	15.4	17.5	15	17.1
median	19	19	18	16	14	11.9	11	11.3	13	14	15.2	17	15	17
max	30	28.5	27	24.2	21.8	19.6	17.4	18.1	20	22	25.6	26.7	30	30
min	9	9	9	6	3	5	3	3	3.8	5	7	7.5	3	5
<b>Relative Humidity, %</b>														
mean	67.7	68.4	68.6	71.1	72.1	74.4	74.4	73.1	69.8	68.7	68.4	69.2	70.5	68.9
median	67	69	68	70	71	72	73	72	68	67	68	68	70	68
max	100	100	100	100	100	99	100	100	100	100	99	100	100	100
min	30	23	30	34.9	27	32	38	37	33	23	28	29	23	23
<b>Wind Speed, km/h</b>														
mean	31.8	29.8	30.3	28.5	30.2	30.3	29.7	31.2	34.4	36.4	34.8	32.4	31.7	32
median	26	26	27.8	25.9	26	26	26	28	31.2	32	29.6	29.6	28	28
max	104	119	99	96	94	93	98.2	107	107	160	108	111	160	160
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>24-hr Rainfall, millimeters</b>														
mean	2.2	2.3	2.5	2.6	2.6	3.1	3.7	2.8	2.2	2.4	2.5	2.1	2.6	2.4
median	0	0	0	0	0	0.2	0.2	0	0	0	0	0	0	0
max	170.2	123.6	138.4	74	93.2	86	63.8	96.2	46	56.6	220.6	61.2	220.6	220.6
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Monthly Rainfall, millimetres</b>														
mean	70.6	65.9	78.1	78.5	81.5	93.6	113.6	86.2	65.1	75.4	75.8	65.2	79.1	72.8
max	293.8	238	280.2	267.2	214	193.4	303	215.6	184.8	174.2	235.8	203.6	303	293.8
min	7.8	1.6	13.4	13.6	14.6	31.2	20.8	17	19	11.6	10.2	7	1.6	1.6
<b>Seasonal Rainfall, millimetres</b>														
mean													949.4	505.3
max													1367.4	790.8
min													391.8	187.6
<b>Fine Fuel Moisture Code, FFMC</b>														
mean	76.2	76.4	74.8	72.2	68.9	64	62.8	66	71.2	71.4	73.4	73.9	70.9	74
median	83.1	83.2	82.6	80.7	77.9	71.6	71.7	74	79.5	80	81.3	81.7	80	82
max	91.3	92.8	91.2	89.9	89.4	90.1	87.2	87.2	89.2	91.5	91.1	91.7	92.8	92.8
min	4.2	3.3	0.6	0.8	7.7	3.8	0.5	1.6	5.3	2	2.8	2.7	0.5	0.6
<b>Duff Moisture Code, DMC</b>														
mean	20.5	22.3	18.7	10.6	7.4	2.9	2	2.9	6.5	7.5	11.9	17	10.9	15.5
median	18.2	18.9	13.9	8.2	4.7	1.8	1.3	2.1	5.2	6.2	10.7	13.9	6.8	11.7
max	71.6	86.1	90.4	39.7	40.8	26.6	12.4	15.6	32.4	29.4	43.5	67.7	90.4	90.4
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Drought Code, DC</b>														
mean	258.2	308.9	306.2	263.2	214.3	135.8	76.4	58.3	58.4	64.2	110.8	182.1	169.9	212.4
median	271.1	308.4	297.4	233.9	160.9	57	20.2	14.9	25.6	34.4	91.4	171.6	104.2	166
max	645.2	735.2	825.5	782.3	835.8	709.1	592.1	588.1	458.8	490.8	495.5	551.5	835.8	825.5
min	6.2	5.2	4.2	2.3	1.1	0.6	0.2	0.2	0.8	1.9	3.8	5.4	0.2	1.9
<b>Initial Spread Index, ISI</b>														
mean	10.1	9.1	8.4	6.5	6.1	4.3	4.2	4.9	7.4	8.2	9.1	9	7.3	8.6
median	5.6	5.4	4.8	3.6	3.2	2.2	2.2	2.7	4.6	4.3	4.9	5.1	4	4.9
max	57.4	46.4	50.1	40	44	48.7	26.8	26.1	32.8	38.5	59.2	52.4	59.2	59.2
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Buildup Index, BUI</b>														
mean	33.1	36.9	31.4	18.6	12.8	5	3.2	4.2	8.3	10.3	17.5	26.2	17.3	24.8
median	30.8	31.5	23.2	14.4	7.6	2.8	2	2.9	6.6	8.3	16.1	22.8	10.6	18.8
max	100.1	133.2	139.1	68.6	72.7	47.3	23.6	27	34	39.1	62	90.7	139.1	139.1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Fire Weather Index, FWI</b>														
mean	16.1	15.9	13.6	8.8	6.9	3.4	2.9	3.6	6.8	7.9	11	13.6	9.2	12.4
median	11.8	11.7	9.6	5.3	3.4	0.8	0.7	1.2	4.2	4.8	7.5	8.8	4.8	8.2
max	79.7	81.6	77.9	59.2	56.2	36.5	28.5	24.7	37	39.1	73.7	83.5	83.5	83.5
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Daily Severity Rating, DSR</b>														
mean	5.9	5.8	4.6	2.3	1.7	0.6	0.4	0.6	1.4	1.9	3.2	4.7	2.8	4.1
median	2.1	2.1	1.5	0.5	0.2	0	0	0	0.3	0.4	1	1.3	0.4	1.1
max	63.1	65.7	60.6	37.3	34.1	15.9	10.2	7.9	16.2	17.9	55	68.5	68.5	68.5
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Monthly Severity Rating, MSR</b>														
mean	182.7	161.7	141.1	70.1	51	17.4	13	17.2	42.6	59.2	97.7	150.8	83.7	123.3
max	357.7	546.5	419.6	242.4	271.6	67.9	67.7	45.6	133	160	292.8	542.7	546.5	546.5
min	17	16.7	11.5	0.7	0.5	0.4	0.4	1.3	3	3.9	8.1	1.3	0.4	0.7
<b>Cumulative Daily Severity Rating, CDSR</b>														
mean													1004.5	860.3
max													2076.2	2262.1
min													167.5	180

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
<b>Forest Fire Danger Class (FFDC) Frequency</b>														
<b>Low</b>														
mean	9.1	8.1	11.7	15.9	21.2	26.3	29.1	27.6	21.3	19.7	12.4	11.6	213.9	88.5
max	20	23	27	30	31	30	31	31	30	31	25	31	315	177
min	0	0	1	2	4	9	16	13	7	7	2	0	124	41
<b>Moderate</b>														
mean	10.8	10.7	11.3	10.3	7.2	3.3	1.8	3.4	7.9	9.7	12.2	11	99.8	75.8
max	17	19	19	20	18	18	11	18	17	19	20	17	142	101
min	5	0	3	0	0	0	0	0	0	0	5	0	45	23
<b>High</b>														
mean	5.2	4.5	4.1	2.2	2	0.3	0.1	0	0.8	1.4	4	4	28.7	25.6
max	10	11	12	10	8	5	4	0	8	9	12	11	47	43
min	0	0	0	0	0	0	0	0	0	0	0	0	6	6
<b>Very High</b>														
mean	2.3	2	1.6	0.7	0.1	0	0	0	0	0.3	1.1	1.9	10.1	9.7
max	7	7	5	8	1	1	0	0	1	3	7	5	23	21
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Extreme</b>														
mean	2.9	1.9	1.3	0.8	0.4	0	0	0	0	0	0.2	1.8	9.6	9.3
max	7	8	8	5	9	1	0	0	0	0	3	10	28	32
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Very Extreme</b>														
mean	0.6	1	0.9	0	0	0	0	0	0	0	0	0.7	3.3	3.3
max	4	9	7	1	1	0	0	0	0	0	1	6	17	23
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Grass Fire Danger Class (GFDC) Frequency</b>														
<b>Curing source Wairarapa (Wairarapa)</b>														
Curing%	90	95	95	80	60	50	45	45	50	65	70	80		
<b>Low</b>														
mean	2.7	2.5	2.9	3.5	6.4	7.6	8.6	7.3	4.4	4.3	3.1	3.2	56.6	22.4
max	11	10	11	17	20	15	21	17	18	14	9	11	128	69
min	0	0	0	0	0	1	1	1	1	0	0	0	22	8
<b>Moderate</b>														
mean	8.3	5.9	7.7	12.7	16.8	16.1	16.5	17	14.3	13.7	11.9	9.8	150.5	70.1
max	19	13	19	21	22	23	23	24	22	20	20	20	182	103
min	1	0	0	4	10	8	9	11	7	5	3	4	126	38
<b>High</b>														
mean	8.3	9.2	9.6	7.3	6.6	5.4	5.2	5.8	7.7	6.9	6.8	8.4	87.2	56.9
max	17	19	15	13	14	11	12	13	11	12	13	14	114	76
min	3	1	4	1	0	0	1	1	2	0	2	3	39	21
<b>Very High</b>														
mean	3.1	3.9	3.7	3	1.2	0.9	0.7	0.9	3.6	5.8	4.4	3	34.2	26.6
max	9	9	8	6	8	4	4	3	13	12	11	7	51	37
min	0	0	1	0	0	0	0	0	0	1	0	0	17	10
<b>Extreme</b>														
mean	6.2	4.1	4.9	3.4	0	0	0	0	0	0.2	3.8	6.6	29.2	29.1
max	12	9	13	12	0	1	0	0	0	2	11	17	46	51
min	0	1	0	0	0	0	0	0	0	0	0	0	6	6
<b>Very Extreme</b>														
mean	2.4	2.8	2.2	0	0	0	0	0	0	0	0	0.1	7.5	7.3
max	5	9	10	0	0	0	0	0	0	0	0	1	24	24
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Scrub Fire Danger Class (SFDC) Frequency</b>														
<b>Low</b>														
mean	4.5	3.7	5.1	6.1	8.6	10.5	11.5	9.6	6.2	7.1	5.1	5.5	83.3	37.1
max	13	10	12	18	22	19	27	19	19	15	12	17	154	83
min	0	0	0	1	1	4	2	1	2	0	1	0	53	18
<b>Moderate</b>														
mean	0	0	0	0	0	0	0.1	0	0	0	0	0	0.1	0
max	0	0	0	0	0	0	2	0	0	0	0	0	2	0
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>High</b>														
mean	0.7	0.8	0.9	1.1	1	1.9	1.5	1.7	0.9	1	0.8	0.8	13.2	6.4
max	5	5	4	7	3	5	5	6	5	4	5	7	41	32
min	0	0	0	0	0	0	0	0	0	0	0	0	6	2
<b>Very High</b>														
mean	1.9	1.6	1.6	2.7	3.1	2.6	3	3.1	2.4	2.6	2	2.4	29	14.7
max	5	6	4	7	7	7	7	8	9	6	7	8	49	29
min	0	0	0	0	0	0	0	0	0	0	0	0	19	6
<b>Extreme</b>														
mean	6	5.1	6.4	7	5.5	5.1	5.2	5.6	4.8	4.4	5.3	4.7	65.1	39.1
max	12	12	12	13	9	10	15	14	9	8	12	10	82	58
min	2	0	2	2	3	0	1	0	1	0	1	0	50	20

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<b>Very Extreme</b>														
mean	17.9	17.1	17	13.1	12.8	10	9.8	11	15.7	15.9	16.9	17.6	174.6	115
max	28	28	28	23	25	20	18	19	25	23	27	26	213	158
min	7	4	5	1	2	2	1	3	3	3	3	2	68	36