

Station Name: Tauranga Aero SYNOP (TGA)

Period: 1971-01-02 - 2021-07-01

Length of record: 50 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Temperature, degrees Celsius														
mean	22.1	22.3	21.1	18.8	16.2	13.8	13	13.7	15.1	16.7	18.5	20.5	17.6	20
median	22	22.3	21	19	16.3	14	13	13.8	15	17	18.4	20.6	17.5	20
max	29.8	29.9	27.7	25.5	22.4	20	18.1	20.4	21	23.6	27.6	27.2	29.9	29.9
min	14.3	15	12.7	10.1	7	6	6	6.9	7.1	7.6	11.4	12.7	6	7.6
Relative Humidity, %														
mean	62.8	63.2	64.1	66.5	69.2	71.9	70.6	69.4	68.2	66.9	64.5	64.9	66.9	64.7
median	61	61.2	62	65	68	70.8	69.7	68.1	67	65.4	63	63.8	66	63.2
max	100	100	100	100	100	100	100	100	100	100	100	100	100	100
min	21	30	31	33	33	41	25.7	34	36	28	22	20.2	20.2	20.2
Wind Speed, km/h														
mean	18.9	17.4	17.3	16.3	15.9	15.1	16.3	17.3	19.7	21.5	20.5	19.6	18	18.8
median	18.5	16.7	16.7	15	15	14.8	15	16.7	19	20	19	19	17	18.5
max	63	46	56	57.6	56	57	65	72	61.2	65	56	61	72	65
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24-hr Rainfall, millimeters														
mean	2.6	2.8	3.6	4	3.5	4.1	4.2	3.7	3.1	2.8	2.4	3.2	3.3	3.1
median	0	0	0	0	0	0	0	0.2	0	0	0	0	0	0
max	174.4	113.5	178.4	173.8	239.6	91.8	102.8	68.6	91.6	80.6	97.4	126.2	239.6	178.4
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Rainfall, millimetres														
mean	81.2	79.4	113.6	118.7	106.6	120.6	129.1	113.3	92.2	86.3	70.9	98	100.8	92.6
max	346.6	261.9	472.8	311.2	618.2	271	323.8	272.4	263.5	244.3	194.5	283.2	618.2	472.8
min	4	5.8	15	16.4	28.4	36.2	27.2	39.1	27.6	15.9	9.2	13.5	4	4
Seasonal Rainfall, millimetres														
mean													1209.8	646.7
max													1682.6	935.8
min													758	277.2
Fine Fuel Moisture Code, FFMC														
mean	79	78.6	76.7	73.8	71.4	64.8	65.3	66.9	70.3	73.3	76.1	76.3	72.7	76.2
median	85.4	85.3	84.5	82.7	80.6	74	73.6	74.4	78.9	81.1	83.3	83.6	81.5	83.9
max	93.5	91.5	91.4	90	89.1	86.8	86.9	88.4	88.7	90.1	92.2	94	94	94
min	6.9	6.4	3.4	1.1	0	0	0.8	5.9	0	7.4	7.3	0	0	0
Duff Moisture Code, DMC														
mean	25.5	28.7	19.6	13.8	7.5	3.3	2.8	3.7	6.3	9.5	15	18.6	12.8	18.6
median	21.7	22.4	15.5	10.3	5.9	2.5	2	2.7	5.4	8.2	13	16.4	8.2	14.3
max	85	132.5	102.6	67.2	37.4	22.7	12.3	20.5	24.9	39.6	64.3	78.7	132.5	132.5
min	0	0.2	0	0	0	0	0	0	0	0	0.3	0	0	0
Drought Code, DC														
mean	221.5	269.3	223.2	174.4	102.6	42.4	16.3	13.8	20.2	42.7	99.8	159.2	115.2	169.6
median	216.4	257.9	195.3	145.8	71.3	19.9	9.9	9.6	17.4	38.8	97.2	159.1	66.7	143
max	522.9	644.7	697.8	762.6	681.6	426.6	197.7	81.9	77.5	146.1	261.6	380.1	762.6	762.6
min	7	5.9	4.4	3.4	1.9	1.1	0.9	1.2	1.4	2.4	4.9	6.2	0.9	2.4
Initial Spread Index, ISI														
mean	5.8	5.2	4.6	3.7	3	2.1	2.2	2.4	3.3	4.3	4.9	5	3.9	4.8
median	5.3	4.8	4.1	3.2	2.4	1.5	1.6	1.8	2.7	3.5	4.2	4.3	3	4.2
max	50.3	29.5	28.7	28.2	26.2	18.7	22	18.3	26.9	29	32.6	33.9	50.3	50.3
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buildup Index, BUI														
mean	38.3	43.4	30.5	21.3	11.5	4.9	3.5	4.3	7	11.8	21	27.6	18.7	27.6
median	33.5	36.1	24.6	16.1	9	3.6	2.6	3.2	6.2	10.4	18.7	25.5	11.7	21.5
max	120.9	174.4	147.9	104.5	65.3	25.4	17.8	25.3	24.9	46.1	74.4	98.4	174.4	174.4
min	0	0.4	0	0	0	0	0	0	0	0	0.6	0	0	0
Fire Weather Index, FWI														
mean	12.5	12	8.9	6	3.5	1.5	1.4	1.7	3	5	7.7	9.1	6	8.7
median	11.1	10.4	7.3	4.6	2.3	0.6	0.6	0.7	2	3.7	6.5	8.1	3.4	6.9
max	68	62.6	48.2	35.9	28.6	20	20	13.6	27.5	32.5	50.7	66.2	68	68
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Severity Rating, DSR														
mean	3.4	3.2	2	1.1	0.5	0.1	0.1	0.1	0.3	0.8	1.6	2	1.3	2
median	1.9	1.7	0.9	0.4	0.1	0	0	0	0.1	0.3	0.7	1.1	0.2	0.8
max	47.6	41.1	25.9	15.4	10.3	5.4	5.5	2.8	9.6	12.9	28.4	45.4	47.6	47.6
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Severity Rating, MSR														
mean	107.9	91.2	61.9	32.4	14	4.2	3.4	4.6	9.9	24.1	48.2	63.9	38.8	61.4
max	349	360.1	264.3	118.4	46.1	18.9	15.7	15.7	27.7	67.7	199.2	246.1	360.1	360.1
min	7.8	14.4	6	1.4	2.4	0.6	0.1	0.4	0.6	2.8	4.1	7	0.1	1.4
Cumulative Daily Severity Rating, CDSR														
mean													465.6	425.8
max													1016.2	1046.2
min													186.5	166

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Forest Fire Danger Class (FFDC) Frequency														
Low														
mean	8.5	7.8	12	16.4	24.4	28.9	30.6	29.9	26	20.6	13	11	229	89.5
max	27	22	28	30	31	30	31	31	30	31	28	28	275	127
min	0	0	0	2	13	22	25	21	16	3	2	0	173	38
Moderate														
mean	12.4	11.7	14.1	11.3	6.3	1.1	0.4	1.1	3.9	9.9	14.4	15.1	101.8	88.9
max	24	21	24	20	16	8	6	10	14	26	23	25	136	120
min	4	0	3	0	0	0	0	0	0	0	2	3	62	57
High														
mean	6.5	5.7	3.4	2	0.2	0	0	0	0	0.5	2	3.9	24.3	23.9
max	20	15	16	14	4	0	0	0	1	6	10	12	54	57
min	0	0	0	0	0	0	0	0	0	0	0	0	3	4
Very High														
mean	2.2	1.9	0.9	0.2	0	0	0	0	0	0	0.4	0.8	6.4	6.3
max	8	9	10	3	2	0	0	0	0	0	3	6	21	23
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Extreme														
mean	1.2	1.1	0.6	0	0	0	0	0	0	0	0.2	0.2	3.2	3.2
max	8	9	7	0	0	0	0	0	0	0	4	3	14	14
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Very Extreme														
mean	0.2	0.1	0	0	0	0	0	0	0	0	0	0	0.5	0.5
max	4	5	1	0	0	0	0	0	0	0	1	2	7	7
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Fire Danger Class (GFDC) Frequency														
Curing source North Island (Bay of Plenty coastal)														
Curing%	70	75	80	75	70	60	50	65	70	75	85	85		
Low														
mean	2.5	2.2	3.1	4.1	5	9.3	8.6	7.3	4.9	3.6	2.4	2.5	55.5	20.5
max	15	9	10	14	12	19	16	14	12	13	8	10	80	37
min	0	0	0	0	1	5	1	2	1	0	0	0	35	6
Moderate														
mean	12.6	10.6	12.1	16.4	21.2	20.1	21.2	21.8	19	15.7	10.5	10.9	192	89
max	23	20	21	24	28	25	29	27	26	26	22	21	235	122
min	4	1	3	8	15	10	14	16	11	6	4	2	168	70
High														
mean	13.9	13.6	13.6	8.9	4.6	0.6	1.1	1.9	5.9	10	13.3	13.6	100.9	86.6
max	23	23	22	16	11	4	5	6	15	24	23	21	136	112
min	4	4	4	0	0	0	0	0	0	0	4	5	63	54
Very High														
mean	1.9	1.7	1.9	0.6	0.2	0	0.1	0	0.2	1.7	2.7	3.1	14.1	13.5
max	10	5	11	3	2	0	2	1	2	6	9	11	28	27
min	0	0	0	0	0	0	0	0	0	0	0	0	4	2
Extreme														
mean	0.2	0.2	0.3	0.1	0	0	0	0	0	0.1	1	0.9	2.8	2.7
max	2	2	2	1	1	0	0	0	1	1	7	6	8	7
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Very Extreme														
mean	0	0	0	0	0	0	0	0	0	0	0	0	0	0
max	0	0	0	0	0	0	0	0	0	0	0	0	0	0
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scrub Fire Danger Class (SFDC) Frequency														
Low														
mean	3.4	3.4	4.3	5.7	6.9	10.1	10.5	9.6	7.1	5.7	4.1	4.4	75.1	31.2
max	15	12	11	15	14	17	18	17	18	14	11	13	101	49
min	0	0	0	1	2	4	2	4	2	0	0	0	49	14
Moderate														
mean	0	0	0	0	0	0.1	0	0.1	0	0	0	0	0.3	0.1
max	0	1	1	1	0	1	1	1	0	0	0	0	2	1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High														
mean	1	1.2	1.5	1.9	2.4	3.2	3	3.2	1.6	1.1	1.3	1.1	22.6	9.1
max	4	4	6	6	6	8	8	9	5	6	6	5	41	20
min	0	0	0	0	0	0	0	0	0	0	0	0	14	2
Very High														
mean	2.2	1.8	2.9	2.8	4.3	4.9	4.8	4.4	3.9	3.3	2.9	2.9	41.3	18.9
max	6	5	7	8	10	11	9	11	9	8	8	7	58	32
min	0	0	0	0	0	1	1	0	0	0	0	0	29	11
Extreme														
mean	5.6	5.6	7.5	9.2	10.2	7.5	8.5	8.1	8.3	8.2	6.7	6.9	92.2	49.5
max	12	13	14	18	16	13	20	15	15	17	13	13	114	71
min	0	0	2	4	3	3	2	1	1	2	2	1	71	31

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Very Extreme														
mean	18.9	16.3	14.8	10.3	7.2	4.2	4.1	5.7	9.1	12.8	14.9	15.7	133.9	103.4
max	28	27	27	19	14	10	18	14	21	25	24	28	186	139
min	7	5	4	0	0	1	0	0	1	3	1	4	95	62