

Station Name: Rotorua Aero Aws (ROA)

Period: 1965-01-02 - 2021-07-02

Length of record: 56 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
<b>Temperature, degrees Celsius</b>														
mean	20.8	20.9	19.2	16.5	13.6	11.2	10.4	11.3	12.9	14.9	17	19.1	15.6	18.3
median	21	21	19	16.6	13.8	11	10.4	11.1	13	15	17	19	15.4	18.2
max	29	29.3	25.6	23.5	22.1	18	25	25	21	21	25.4	27	29.3	29.3
min	12	10.5	10	7.5	4.7	4	4.1	4	5	6.6	9	11.1	4	6.6
<b>Relative Humidity, %</b>														
mean	64.4	64.9	67.2	70.6	74.8	77	76.4	74.5	71.2	68.6	65.8	66.6	70.2	66.9
median	63	63	65	69	74	76.7	76	74.5	70	67.6	63.7	64.2	68.9	65
max	100	100	100	100	100	100	100	100	100	100	100	100	100	100
min	22	31	33	33.6	35	29.4	41	28.1	15.3	23.8	26.3	24.9	15.3	22
<b>Wind Speed, km/h</b>														
mean	15.9	14.7	14.9	14.9	15.2	15.2	15	15.7	17.6	18.4	18.1	17	16	16.3
median	15	13	13.1	14.8	15	15	15	15	17	19	18.7	17	15	15
max	57.2	48	59	54	65	56	54	54	59	59.4	56	48	65	59.4
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>24-hr Rainfall, millimeters</b>														
mean	3.2	3.5	3.6	4	4	4.4	4.3	4.6	3.9	3.4	3.1	4	3.8	3.5
median	0	0	0	0	0	0.1	0.1	0.2	0.2	0	0	0	0	0
max	163.8	198.1	115.6	142.4	148.2	110.3	117	143.8	99.8	111.8	88.4	106.2	198.1	198.1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Monthly Rainfall, millimetres</b>														
mean	96.8	97.8	110.5	120	125.4	130.9	132.9	142.8	118.1	105.8	92.7	124.8	116.6	106.9
max	423.2	302.8	378.6	360	355.1	254.1	344	331.1	313.9	345.7	310	299.4	423.2	423.2
min	4.3	4.8	9.6	9	27.5	36	29.4	28.1	35.2	24.6	12.8	32.2	4.3	4.3
<b>Seasonal Rainfall, millimetres</b>														
mean													1398.6	745.5
max													2011.6	1275.8
min													917.6	420.9
<b>Fine Fuel Moisture Code, FFMC</b>														
mean	76.3	75.8	74.2	70.5	66	60.1	60.7	60.9	65.5	69.5	73.1	72.4	68.7	73.1
median	84	83.9	83.1	80.5	75.9	68.6	68.8	67.7	73.7	77.2	81	81	78	81.8
max	92.9	91	90.7	89	88.2	86.9	85.4	90.9	86.7	89	90.4	90.5	92.9	92.9
min	0	2.3	0	0	0	0.8	0	1.9	0	1.4	4.4	1.5	0	0
<b>Duff Moisture Code, DMC</b>														
mean	19.8	22	15.9	10.3	4.4	2	1.7	2	3.8	6.6	11.3	13	9.4	14.1
median	15.3	16.9	11.9	7.6	3.5	1.3	1.1	1.5	3.1	5.7	9.6	11.4	5.5	10.3
max	80	99.9	97.6	57.6	21.8	14.1	12.5	11.7	18.4	29.4	42.2	49.6	99.9	99.9
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Drought Code, DC</b>														
mean	163.8	208.5	184.6	135.7	62.1	22.4	9.4	9.2	12.1	29	70	106	84.1	127.9
median	148.6	201.3	162.8	113.1	35.1	9.5	6.2	6.6	9.4	23.9	66.9	105.7	38.5	97.3
max	442.8	534	597.9	555.8	392.4	206.6	101.7	62.3	47.4	102.2	214.5	268.9	597.9	597.9
min	6.8	4.9	4.1	3	0.6	0.6	0.7	0.6	0.6	2.3	4.4	5.4	0.6	2.3
<b>Initial Spread Index, ISI</b>														
mean	4.1	3.7	3.3	2.6	2	1.6	1.5	1.6	2.2	2.8	3.4	3.3	2.7	3.3
median	3.6	3.5	2.9	2.2	1.6	1.1	1.1	1.2	1.7	2.2	2.9	2.8	2.1	2.8
max	30.3	23.1	23.6	30.4	20.7	17.4	13.1	16.4	15.1	18.9	21.5	17.3	30.4	30.4
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Buildup Index, BUI</b>														
mean	29	33.4	24.7	15.9	6.6	2.8	2.1	2.5	4.2	8.1	15.4	19	13.6	20.7
median	23.4	27	18.9	11.9	5	1.8	1.5	1.8	3.5	7	13.8	16.8	7.6	15.4
max	107.8	123.4	138.6	86.6	35.1	18.4	13.6	16	18.7	31.5	56.6	65.6	138.6	138.6
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Fire Weather Index, FWI</b>														
mean	8.1	8.1	6	3.8	1.8	0.9	0.7	0.8	1.5	2.8	4.8	5.3	3.7	5.5
median	6.6	6.5	4.7	2.4	0.7	0.4	0.4	0.4	0.7	1.6	3.8	4.1	1.3	3.9
max	50.1	43.6	45.7	28	17.6	13.2	11.4	13.9	13.6	20.2	29.8	32.5	50.1	50.1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Daily Severity Rating, DSR</b>														
mean	1.7	1.7	1	0.5	0.2	0.1	0	0	0.1	0.3	0.7	0.9	0.6	1
median	0.8	0.8	0.4	0.1	0	0	0	0	0	0.1	0.3	0.3	0	0.3
max	27.7	21.7	23.6	9.9	4.3	2.6	2	2.9	2.8	5.5	11	12.9	27.7	27.7
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Monthly Severity Rating, MSR</b>														
mean	54.1	47.8	33.1	15.9	4.7	1.8	1.2	1.4	3.2	9.1	21	26.8	18.3	29.7
max	203.2	201.9	167.4	61.7	19	9.5	8.6	4.8	11	29.8	61	80.8	203.2	203.2
min	3.4	4	4.6	0.6	0.5	0.1	0	0.1	0.2	0.8	4.1	1.3	0	0.6
<b>Cumulative Daily Severity Rating, CDSR</b>														
mean													220.1	207.6
max													465.8	500.1
min													55.5	60.7

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<b>Forest Fire Danger Class (FFDC) Frequency</b>														
<b>Low</b>														
mean	12.7	11.9	16.4	21.3	29.3	29.7	30.9	30.9	29.6	26.8	18.7	17.7	275.8	125.4
max	29	29	31	30	31	30	31	31	30	31	29	31	334	177
min	0	0	2	5	17	26	28	28	23	16	2	2	224	77
<b>Moderate</b>														
mean	13.7	12.1	12.5	8.2	1.7	0.3	0.1	0.1	0.4	4.2	10.8	12.2	76.3	73.6
max	23	25	25	24	14	4	3	3	7	14	23	29	114	108
min	2	0	0	0	0	0	0	0	0	0	1	0	31	36
<b>High</b>														
mean	3.9	3.6	1.7	0.5	0	0	0	0	0	0	0.4	1	11.1	11.2
max	16	17	10	7	0	0	0	0	0	1	5	6	32	38
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Very High</b>														
mean	0.5	0.6	0.3	0	0	0	0	0	0	0	0	0.1	1.5	1.5
max	5	6	4	1	0	0	0	0	0	0	1	2	8	9
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Extreme</b>														
mean	0.3	0.2	0	0	0	0	0	0	0	0	0	0	0.5	0.5
max	3	4	2	0	0	0	0	0	0	0	0	1	5	5
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Very Extreme</b>														
mean	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1
max	1	0	1	0	0	0	0	0	0	0	0	0	1	1
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</b> North Island (Bay of Plenty coastal)														
<b>Curing%</b>	70	75	80	75	70	60	50	65	70	75	85	85		
<b>Low</b>														
mean	3.1	3.2	3.9	5.3	7.6	12.1	11.3	10.7	7.3	5.2	3.2	4.1	76.9	27.9
max	10	10	11	13	17	20	21	23	14	12	13	11	114	45
min	0	0	0	0	1	4	3	4	2	0	0	0	48	11
<b>Moderate</b>														
mean	18.6	15.3	17.1	19.8	21.5	17.7	19.5	19.7	20.3	19.8	15.1	14.7	219	120.3
max	28	23	25	28	28	25	28	27	26	27	22	22	260	140
min	5	6	10	11	13	10	10	8	14	14	7	6	181	94
<b>High</b>														
mean	8.7	9.2	9.5	4.7	1.9	0.2	0.3	0.5	2.3	5.7	10.4	10.9	64.4	59.3
max	22	21	19	13	7	2	3	4	10	12	21	22	94	85
min	0	2	1	0	0	0	0	0	0	1	4	2	22	29
<b>Very High</b>														
mean	0.5	0.5	0.5	0.2	0.1	0	0	0	0.1	0.3	1.1	1.2	4.4	4.2
max	4	4	2	3	2	0	0	0	1	4	4	7	16	12
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Extreme</b>														
mean	0.1	0	0	0.1	0	0	0	0	0	0	0.3	0.1	0.5	0.5
max	1	1	1	2	0	0	0	0	0	0	3	2	3	3
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Very Extreme</b>														
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
<b>Scrub Fire Danger Class (SFDC) Frequency</b>														
<b>Low</b>														
mean	4.7	4.4	5.6	7.2	9.6	12.3	12.4	12.2	9.9	8.1	5.7	6.7	98.9	42.3
max	14	13	14	17	17	22	25	24	18	17	13	18	144	67
min	0	0	1	1	3	5	5	5	4	2	0	0	72	22
<b>Moderate</b>														
mean	0	0	0	0	0	0	0.1	0	0	0	0	0	0.2	0.1
max	0	0	0	0	1	1	1	1	1	1	0	1	2	1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>High</b>														
mean	2.1	2.1	2.1	2.3	3.5	4.1	4.4	4.2	2.8	2.3	1.7	2.2	33.9	14.8
max	7	6	6	6	7	9	10	9	6	6	5	5	47	21
min	0	0	0	0	0	0	0	0	0	0	0	0	18	7
<b>Very High</b>														
mean	2.8	2.7	3.2	4.4	5.8	5.2	5.5	5.8	4.9	4.2	3.8	3.6	51.8	24.6
max	8	7	9	11	12	9	11	15	10	10	9	9	64	41
min	0	0	0	1	1	2	1	0	1	1	0	0	35	10
<b>Extreme</b>														
mean	8.5	8.3	11.1	10.4	8.6	6	6.6	6.5	8.2	9	9.2	8.8	101.3	65.4
max	15	15	18	19	16	14	14	15	17	14	15	16	122	88
min	0	2	5	4	2	0	0	1	2	4	4	0	72	51

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<b>Very Extreme</b>														
mean	12.9	10.9	8.9	5.7	3.5	2.2	2	2.2	4.2	7.3	9.6	9.7	79.2	65.1
max	29	24	19	13	10	8	12	7	13	15	22	23	117	95
min	1	2	0	0	0	0	0	0	0	1	4	1	25	28