

Station Name: Timaru Aero SYNOP (TUA)

Period: 1992-01-01 - 2021-07-01

Length of record: 29 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Temperature, degrees Celsius														
mean	19.1	18.8	17.6	14.9	12.1	9.2	8.7	10.4	12.7	14.3	16	17.8	14.3	16.9
median	18.6	19	17	14.6	11.9	9	8.4	10	12	14	15.2	17.4	14	16.5
max	36.8	35	34	30.1	25	20	19.5	22.8	24	28	30	33.1	36.8	36.8
min	8.7	8.9	6	6	4	0.6	1	1.4	5	5.1	3.7	8	0.6	3.7
Relative Humidity, %														
mean	63.8	65.1	64.2	66.8	69.6	71	69.2	66.4	63.1	64.1	63.6	65	66	64.6
median	65	66	66	68	71	72	69	67	65	67	66	67	67	66
max	98	99	99	99	100	100	100	100	99	100	99	99	100	100
min	13	17	15	14	22	23	22	18	18	16	17	12	12	12
Wind Speed, km/h														
mean	14.5	12.8	12	10.1	9.2	8.6	8.5	9.5	12.1	14.8	16	15	11.9	13.6
median	13	11.1	11	7	7	7	7	7	9.3	13	14.8	13	11	13
max	46	46.3	56	57	50	48.2	50	50	56	59	56	59	59	59
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24-hr Rainfall, millimeters														
mean	1.7	1.8	1.4	1.7	1.7	2	1.7	1.6	1.5	1.6	1.8	1.8	1.7	1.7
median	0	0	0	0	0	0	0	0	0	0	0	0	0	0
max	81	82.8	88.2	82.1	82.3	83.7	83.4	107.4	84.6	83.4	74	69.2	107.4	88.2
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Rainfall, millimetres														
mean	50.7	50.7	46.1	53.7	50.6	62.1	53.3	49.6	46.3	48.7	54.9	55.3	51.8	51.4
max	130	175.4	138.2	249.6	248.6	369	458.5	241.2	206.7	141.2	195	142.6	458.5	249.6
min	3.8	5.8	4.4	9.4	2.8	6.4	5.6	4.2	6	8	8.2	6.6	2.8	3.8
Seasonal Rainfall, millimetres														
mean													621.9	357.4
max													1824.4	682
min													349.2	199
Fine Fuel Moisture Code, FFMC														
mean	76.4	77.3	77	73.7	71.7	69.2	70.7	72.2	74.4	74.5	75.6	75.5	74	75.7
median	83.3	83.4	82.8	80.6	80.4	78.8	80.1	80.3	81.4	81.1	82.2	82	81.4	82.3
max	96.9	95.5	95.3	95.5	93	90.5	91.2	92.2	93.6	94.7	94.3	95.6	96.9	96.9
min	4.7	8.1	5.6	6.4	0	2.5	2.3	3	7	8.3	13	17	0	4.7
Duff Moisture Code, DMC														
mean	23.6	27.3	25.5	21.8	13.9	10.1	8.1	9.7	14.5	15.1	18	19.7	17.3	21.6
median	17.7	23.5	21.6	16.8	10.3	8.4	6.7	8.2	13.2	12.9	15.4	16.3	13.5	17.3
max	103.4	105.9	104.4	106.8	50.3	45.5	24.7	31.3	46.4	52.4	63.3	71.4	106.8	106.8
min	0.3	0.2	0.5	0	0	0	0	0	0	0	0	0.3	0	0
Drought Code, DC														
mean	350.3	413.1	422.7	414.5	352.6	282.9	240.7	187.2	182.8	192.4	235.8	291.5	297.8	331.8
median	335.7	392	432.1	422.8	347.7	289.1	254.4	196	199.2	195.8	232.6	285.9	284.6	314.9
max	773.6	887.6	955.9	798.1	811.7	670.4	617	503.1	410.9	447.9	480.8	604.9	955.9	955.9
min	7.1	48.3	36.4	2.3	1.1	0.6	0.4	0.1	1	2.4	4.7	22.4	0.1	2.3
Initial Spread Index, ISI														
mean	4.6	3.7	4.2	2.9	2.3	1.9	1.9	2.6	3.6	4.1	4.5	4.4	3.4	4.1
median	3.1	2.9	2.6	2	1.7	1.4	1.6	1.7	2.2	2.4	2.8	2.7	2.1	2.6
max	66.3	34.9	83.1	101.3	38.3	24.3	20.4	51.2	40.3	55.5	65	90.5	101.3	101.3
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buildup Index, BUI														
mean	38.9	45.1	42.8	36.7	24.4	18	14.2	16	22.1	23.4	29.1	32.7	28.6	35.5
median	30.4	39.7	37.1	29.8	18.3	15.5	11.9	14.7	21.3	20.7	25.9	28.1	23.4	29.5
max	141.2	157.1	154.1	157.7	82	77.8	41.5	49.2	60.4	76.8	91.3	99.4	157.7	157.7
min	0.5	0.4	1	0	0	0	0	0	0	0	0	0.7	0	0
Fire Weather Index, FWI														
mean	9.7	9.2	9.1	6.4	4.1	2.9	2.5	3.5	5.7	6.7	8.1	8.5	6.4	8.2
median	6.8	7.5	6	4	2.5	1.5	1.4	1.7	3.7	4	5.8	5.5	3.7	5.5
max	75.8	74.3	95.6	144.1	56.4	35.2	27.2	50.6	49.1	63	81.7	108.2	144.1	144.1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Severity Rating, DSR														
mean	2.7	2.2	2.5	1.7	0.7	0.4	0.3	0.6	1.2	1.6	2	2.4	1.5	2.2
median	0.8	1	0.6	0.3	0.1	0.1	0.1	0.1	0.3	0.3	0.6	0.6	0.3	0.6
max	57.8	55.7	87.1	180	34.3	14.8	9.4	28.2	26.8	41.6	66	108.4	180	180
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Severity Rating, MSR														
mean	84.5	63.2	77.6	46.5	19.4	11.6	8.1	17.3	34.9	48.5	61.1	74.9	45.7	65.2
max	306.8	267	348.2	508.3	79.2	45.5	32	88.2	139.6	170.8	245.1	271.2	508.3	508.3
min	6.1	13.5	9.4	1.8	0.4	0.1	0.1	0.2	0.3	2	11.2	4.9	0.1	1.8
Cumulative Daily Severity Rating, CDSR														
mean													547.8	447.3
max													1031.3	1212.6
min													151.1	147.2

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Forest Fire Danger Class (FFDC) Frequency														
Low														
mean	11.6	9.6	13.3	16.2	21.5	23.3	25.9	23.5	17.3	17.3	13.7	13.9	207.2	96.4
max	27	19	27	30	31	30	31	31	30	31	25	28	285	153
min	0	2	0	3	4	9	8	12	4	5	2	2	150	56
Moderate														
mean	13.2	13.7	13.1	11.6	8.7	6.4	5	7	10.8	11	12.6	12.9	126	88.1
max	23	23	25	21	24	21	21	19	19	22	24	21	176	116
min	4	5	2	0	0	0	0	0	0	0	5	2	70	53
High														
mean	3.9	3.4	2.7	1.4	0.6	0.2	0.1	0.4	1.2	1.6	2.4	2.5	20.5	17.5
max	14	12	11	7	3	3	2	5	6	8	9	10	45	47
min	0	0	0	0	0	0	0	0	0	0	0	0	1	3
Very High														
mean	1.3	1	0.8	0.5	0.1	0.1	0	0.1	0.4	0.8	0.7	0.7	6.5	5.6
max	8	4	7	3	1	1	0	2	3	5	4	3	18	19
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Extreme														
mean	0.8	0.4	1	0.1	0.1	0	0	0	0.2	0.1	0.6	0.6	3.9	3.6
max	4	4	4	3	2	0	0	0	2	2	6	5	11	13
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Very Extreme														
mean	0.2	0.1	0.2	0.1	0	0	0	0	0	0	0.1	0.4	1.2	1.1
max	2	4	3	3	0	0	0	0	0	1	2	2	6	7
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Fire Danger Class (GFDC) Frequency														
Curing source Canterbury (Coastal)														
Curing%	60	60	60	50	40	30	10	10	20	30	40	50		
Low														
mean	4	3.4	4.6	5.4	6.9	9.3	17.1	15.6	7.9	5.8	4.1	4.1	88.4	31.7
max	12	9	14	11	18	22	29	27	18	10	13	10	133	51
min	0	0	0	1	0	2	4	6	2	0	0	0	63	15
Moderate														
mean	23.5	22.6	23.8	22.8	22.8	20.2	13.9	15.2	20.7	22.6	22.1	22.9	253	160.4
max	29	27	27	27	29	28	27	25	28	28	28	30	281	172
min	16	17	17	17	13	7	2	4	12	14	15	17	212	133
High														
mean	2.9	2	2	1.6	1.1	0.4	0	0.2	1.4	2.2	3	3.1	19.8	16.3
max	8	5	7	4	4	3	0	2	5	7	10	10	39	39
min	0	0	0	0	0	0	0	0	0	0	0	0	7	6
Very High														
mean	0.4	0.2	0.6	0.1	0.1	0	0	0	0	0.4	0.8	0.6	3.2	2.9
max	3	2	5	1	1	0	0	0	0	3	6	3	8	9
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Extreme														
mean	0.1	0	0.2	0.2	0	0	0	0	0	0	0	0.4	0.9	0.9
max	1	0	2	3	0	0	0	0	0	0	1	2	3	5
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	4.4	3.6	4.1	5.4	6	7	6.3	5.9	5.2	5.1	4.7	4.8	62.6	32.4
max	12	10	12	11	16	19	21	20	12	11	13	13	98	51
min	0	0	0	1	0	1	1	1	0	0	0	0	39	17
Moderate														
mean	0	0	0	0	0.1	0	0	0	0	0	0	0	0.1	0
max	0	0	0	0	1	0	0	0	0	0	0	0	1	0
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High														
mean	2.6	2.7	3.6	5.3	5.5	6.1	5.5	5.9	3.9	3.7	2.6	3.3	50.6	23.9
max	9	6	8	12	13	17	15	13	10	8	6	7	72	36
min	0	0	0	1	1	1	0	1	1	0	0	0	34	15
Very High														
mean	4.3	3.3	4.9	5	7.3	7.1	8	6.6	5.3	5.1	3.9	4.1	64.9	30.9
max	9	7	11	9	14	13	16	14	13	14	8	9	82	49
min	0	1	1	1	1	2	2	1	1	0	1	0	45	19
Extreme														
mean	8.8	10.4	10.9	9.5	8.6	7.8	9.2	8.8	8.7	8.8	9.9	9.2	110.3	67.5
max	14	17	18	19	19	17	18	17	15	15	20	14	128	90
min	4	3	5	2	2	1	1	2	3	1	2	3	86	44

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Very Extreme														
mean	10.9	8.2	7.6	4.8	3.4	2.1	2	3.9	6.9	8.3	9	9.6	76.8	57.5
max	24	17	21	11	11	7	6	11	15	18	19	18	114	102
min	2	2	2	0	0	0	0	0	0	1	1	3	41	33