

Station Name: Tuatapere Raws (TUT)

Period: 1994-08-15 - 2021-07-02

Length of record: 26 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Temperature, degrees Celsius														
mean	18.1	18.1	16.6	14	11.3	8.3	7.8	9.6	11.8	13.3	14.8	17	13.4	16
median	18	18	16.3	14	11.1	8	7.6	9.6	11.8	13.2	14.5	16.7	13.2	15.7
max	29.8	29.8	27.2	23.8	22	17.3	16.8	18.2	22.6	23.7	26.4	27.2	29.8	29.8
min	7.4	8	6.6	3.1	0.5	0.3	-1.2	-0.5	0.6	1.5	2.2	6.4	-1.2	1.5
Relative Humidity, %														
mean	64.1	65.6	68.1	72.5	78.5	81.8	79.9	74.8	67.8	64.9	64.1	63.5	70.4	66.1
median	63	65	67	72	80	82.8	80.7	75	67	64	63	62	70	65
max	96	99	96	98	100	100	100	100	97	96.3	94	99	100	99
min	29	25	35	43	41	49.7	40	39	23	22	33	22	22	22
Wind Speed, km/h														
mean	18.8	16.5	15.2	13.9	12.3	10.3	10.5	12.7	17.9	19.9	20.3	19.2	15.6	17.7
median	17.5	15.5	13.8	13	10.1	6.8	6.7	10.4	16.9	19.3	19.2	18.5	14.5	16.9
max	60.6	72.2	64.5	49.1	48.7	50.8	44.4	49.3	78.1	75.5	60.3	60.5	78.1	75.5
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24-hr Rainfall, millimeters														
mean	2.9	2.7	2.6	2.9	3.7	3.6	3.2	3	3.1	3.4	3.1	3.1	3.1	3
median	0	0	0.2	0.2	0.4	0.8	0.4	0.2	0.2	0.4	0.4	0.2	0.2	0.2
max	56.8	51.8	51.2	37	44.8	34	35.2	42.4	36.8	55.6	50.8	52	56.8	56.8
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Rainfall, millimetres														
mean	84.8	78.7	82.7	87.3	111.8	107.5	97.8	93.5	93.8	108.2	94.7	95.8	94.7	90.3
max	177.4	190.4	152.2	155.8	228.8	199.6	215	190.6	221.6	215.6	187.8	178.6	228.8	215.6
min	15.6	17.4	11.4	31.2	33.2	34.2	18.8	10.2	13.2	39.2	37.2	16.4	10.2	11.4
Seasonal Rainfall, millimetres														
mean													1136.8	631.9
max													1499	844.8
min													617.4	436.6
Fine Fuel Moisture Code, FFMC														
mean	72.8	72.3	69.1	63.5	54.1	45.4	50.6	59.1	64.6	66.7	68.9	71.2	63.2	69.2
median	81	79.2	76.8	70.1	56.9	44.7	52.9	64.7	71.1	72.8	74.7	78.3	69.4	76.5
max	92.4	93.2	90.7	88.4	87	84.2	87.9	86.4	90.1	92	91.2	93.3	93.3	93.3
min	7.9	7.3	6.6	8.7	5.6	3.7	1.8	2.2	4.6	14.4	10.7	5.9	1.8	5.9
Duff Moisture Code, DMC														
mean	13.3	13	9.6	5.6	2	0.7	0.8	2.3	4.5	5.9	7.9	11.2	6.4	9.5
median	11	11.6	6.8	4.2	1.4	0.3	0.4	1.4	3.1	4.5	6.6	8.9	3.9	7.2
max	46.3	45.1	50.5	32.8	12	9.9	8	15.9	29.3	37.7	31.6	45.4	50.5	50.5
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Drought Code, DC														
mean	153.1	199.6	195.9	169.5	92.3	35.2	19.1	21.3	23.4	30.4	57.6	110.7	92.1	130.2
median	144.1	191.9	192.9	165.2	56.4	5.1	4.9	6.3	9.8	17.9	47.9	100.2	53.9	120.1
max	443.3	447	441.7	449.4	393.9	344.7	298.3	257.2	237	231.3	205.7	278.2	449.4	449.4
min	5.3	24.9	3.5	2.1	0	0	0	0	0	1.2	2.8	5	0	1.2
Initial Spread Index, ISI														
mean	4.6	3.8	3	1.9	1.2	0.6	0.8	1.4	2.9	3.3	3.9	4.2	2.6	3.5
median	2.8	2.4	1.8	1.2	0.6	0.1	0.4	0.8	1.5	1.9	2.1	2.7	1.2	2
max	49.2	39.8	38.2	23.9	22.3	13.3	27.9	20	42.3	48.1	49	46.5	49.2	49.2
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buildup Index, BUI														
mean	21.1	21.6	16.5	9.9	3.6	1.1	1.2	3.2	5.3	7.3	11	16.9	9.9	14.9
median	17.8	20	12.2	7.8	2.5	0.5	0.7	1.8	3.5	5.4	9	14.2	5.9	11.5
max	71.3	71	77.7	55.5	20.2	18	14.8	23.7	40.5	51.5	39.1	59.6	77.7	77.7
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fire Weather Index, FWI														
mean	7	6	4.3	2.1	0.8	0.2	0.4	0.8	2.3	3	4.2	5.8	3.1	4.6
median	4.5	3.7	1.7	0.6	0.2	0	0.1	0.3	0.6	0.8	1.8	3.5	0.6	2.1
max	63.1	51.2	44.2	25.7	16.9	7.6	16.3	19.2	34.2	35.7	38.6	48.7	63.1	63.1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Severity Rating, DSR														
mean	1.6	1.3	0.8	0.3	0.1	0	0	0.1	0.3	0.4	0.7	1.2	0.6	0.9
median	0.4	0.3	0.1	0	0	0	0	0	0	0	0.1	0.2	0	0.1
max	41.7	28.8	22.2	8.5	4.1	1	3.8	5.1	14.1	15.3	17.5	26.4	41.7	41.7
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Severity Rating, MSR														
mean	51.1	37	26.4	7.7	2.4	0.3	0.8	1.8	10	13.9	22.5	35.3	17.4	27.7
max	151.5	104.7	134.6	32	10.6	1.5	4.8	10.4	56.6	41.4	70.5	104.6	151.5	151.5
min	9.2	5.2	3.9	1.1	0.1	0	0	0	1.2	0.9	2.1	3.5	0	0.9
Cumulative Daily Severity Rating, CDSR														
mean													209.2	192.3
max													372.6	356
min													81.3	68.1

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Forest Fire Danger Class (FFDC) Frequency														
Low														
mean	15.9	15.8	22.1	26.6	30.3	30	30.9	30.7	27.7	26.9	23	19.6	299.4	150.3
max	28	27	30	30	31	30	31	31	30	31	30	30	333	187
min	5	3	4	16	26	29	29	26	7	14	14	5	245	100
Moderate														
mean	12.5	10.3	7.6	3.2	0.7	0	0.1	0.3	2.1	4	6.4	9.7	56.9	53.3
max	20	20	21	11	5	1	2	5	19	15	13	22	102	91
min	3	2	1	0	0	0	0	0	0	0	0	1	27	25
High														
mean	1.8	1.5	1	0.2	0	0	0	0	0.1	0.2	0.5	1.3	6.7	6.4
max	8	4	7	3	0	0	0	0	3	2	5	4	15	17
min	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Very High														
mean	0.3	0.5	0.2	0	0	0	0	0	0	0	0.1	0.2	1.4	1.3
max	2	3	1	1	0	0	0	0	1	0	1	2	6	6
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Extreme														
mean	0.4	0.2	0.2	0	0	0	0	0	0	0	0	0.1	0.8	0.9
max	4	2	3	0	0	0	0	0	0	0	0	1	4	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	1	0	0	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
Grass Fire Danger Class (GFDC) Frequency														
Curing source Southland (Coastal Southland)														
Curing%	60	60	50	50	45	40	40	30	30	35	40	50		
Low														
mean	5.3	5.6	7.7	9.8	16.3	22.5	20	15.7	10.8	9.3	6.8	6	135.9	50.7
max	11	12	14	21	25	28	29	24	18	19	13	13	178	83
min	0	0	0	2	2	10	9	4	1	4	0	0	85	26
Moderate														
mean	21.3	19.4	20.2	18.8	14.2	7.3	10.9	15	17.6	18.8	19.3	20.5	203.3	138.5
max	28	25	25	28	27	20	21	26	28	23	26	26	255	162
min	14	13	14	8	6	2	2	7	11	12	11	13	167	108
High														
mean	3.6	2.8	2.6	1.3	0.5	0.1	0.1	0.3	1.5	2.7	3.4	3.5	22.5	19.7
max	7	8	5	7	2	1	1	2	4	8	8	7	34	33
min	0	0	1	0	0	0	0	0	0	0	0	0	13	12
Very High														
mean	0.8	0.4	0.5	0.1	0	0	0	0	0.2	0.1	0.4	1	3.5	3.2
max	3	2	3	1	1	0	1	0	1	1	4	5	13	17
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Extreme														
mean	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1
max	0	0	1	0	0	0	0	0	0	0	0	1	1	1
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	6.4	6	8.5	10.8	16.5	21.6	18.3	13.7	10.5	10.1	8.5	8.1	139	58.5
max	11	14	15	19	26	28	30	22	17	21	16	17	182	92
min	0	1	0	3	3	10	7	2	1	5	3	1	81	36
Moderate														
mean	0	0	0.1	0	0.2	0	0.3	0	0	0	0	0	0.7	0.2
max	0	1	1	0	1	1	1	1	0	1	1	1	3	3
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High														
mean	1.9	2.8	3.9	5.2	5.7	4.7	6.5	7	3.2	2.9	2.4	2.3	48.5	21.6
max	5	6	8	10	15	12	14	13	5	7	5	6	74	35
min	0	0	0	2	1	1	0	1	1	0	0	0	30	11
Very High														
mean	3.9	4.1	4.6	5.3	3.7	1.8	2.8	4.8	4.1	3.8	4.2	3.6	46.8	29.2
max	9	10	9	11	8	7	9	11	9	7	10	8	69	39
min	0	1	1	1	0	0	1	1	0	1	1	0	30	21
Extreme														
mean	8.4	7.8	7.9	5.1	2.9	1.2	2.2	3.8	6.2	6.8	7.3	7.5	67.1	50.9
max	12	15	12	13	9	7	6	9	13	13	15	12	91	69
min	5	1	1	1	0	0	0	0	0	3	2	5	37	24

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Very Extreme														
mean	10.3	7.5	6	3.6	2	0.6	0.9	1.7	6	7.3	7.6	9.4	63	51.7
max	18	17	14	8	9	3	4	5	12	15	14	21	89	74
min	4	1	1	1	0	0	0	0	1	1	3	2	36	25