

Station Name: Tara Hills Aws (THE)

Period: 1991-10-01 - 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	20.1	19.8	17.1	13.2	9.4	5.4	4.9	7.5	11.1	13.8	16.1	18.5	13.1	16.9
median	20	20	17	13	9	5	5	7.2	11	14	16	18.8	13	17
max	32	32	29	23.8	22	26	15.9	19	23.1	24.9	27.5	29	32	32
min	6	0	4.8	1	-2.4	-11.5	-10.9	0	1	3.6	0	5	-11.5	0
Relative Humidity, %														
mean	46.7	47.3	52.6	57.9	66.6	72.4	71.2	63.4	53.3	49.4	47.1	46.9	56.2	49.7
median	42	45.5	50	57	68	74	71	62	51	46	43	44	54	47
max	100	100	100	100	100	100	100	100	100	100	100	100	100	100
min	7	8	9	18	14	20	27	23	13	13	13	13	7	7
Wind Speed, km/h														
mean	14.7	12.7	11.8	9.5	8.6	6.8	6.7	8.5	12.3	15.3	15.7	14.7	11.5	13.5
median	11	8	6.5	6	4.2	4	4	4	7	11	11	11	7	9
max	67	52.7	56	57	54	66.7	46	61	63	65	66	67	67	67
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24-hr Rainfall, millimeters														
mean	1.6	1.4	1.2	1.3	1.6	1.5	1.5	1.1	1.1	1.3	1.6	1.9	1.4	1.5
median	0	0	0	0	0	0	0	0	0	0	0	0	0	0
max	59.4	42.8	28.4	27	81.3	70.8	79.8	82.5	39.8	43.2	57.8	80	82.5	80
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Rainfall, millimetres														
mean	49.7	40	36.1	38.3	47.4	46.6	45.9	32.8	34.3	40.8	48	58.2	43.2	44.4
max	115	120.4	78	73.8	115.4	115.4	159.7	106.5	91	98.6	125.2	155	159.7	155
min	2.4	2.8	3.6	7.6	11.8	1	3.2	3.4	6.4	4.8	3.4	10.6	1	2.4
Seasonal Rainfall, millimetres														
mean													518	309.9
max													816.7	490.2
min													344.6	180.8
Fine Fuel Moisture Code, FFMC														
mean	81.9	82.4	79.8	75.6	69.8	63.6	67.2	72.4	77.2	78.3	80.2	80.6	75.8	79.8
median	87.9	88	86.1	83.3	78.1	72.7	75.7	79.4	83.4	84.8	86.7	87	82.6	86.2
max	97.6	97.2	96.7	92.7	92.9	89.8	88.7	90.5	94.7	94.2	95.3	95.7	97.6	97.6
min	9.3	1.4	9.1	5.1	5.1	1.9	5.7	10.7	10.2	12.8	3.7	8.9	1.4	1.4
Duff Moisture Code, DMC														
mean	37.5	45.6	39.7	26.7	12.1	5.4	3.1	6	14.1	21.2	28.8	34	22.9	33.3
median	31	39.8	31.1	19.5	9.2	3	2.1	4.6	11.6	17.6	24.8	31.2	15.3	27
max	158.6	178.3	153.2	143.9	92	37.5	19.5	30.7	51	71.2	99.2	113.8	178.3	178.3
min	2.6	2.4	0.2	1	0	0	0	0	0	1.3	0.9	1.2	0	0.2
Drought Code, DC														
mean	347.1	421.3	450	449.2	377.5	285.8	200.6	166.3	161.5	179.1	230.2	296.9	297.4	338.1
median	328.9	394.5	435.4	452.7	382.9	283.5	194.1	157.1	152.5	162.6	226.6	292.5	284.2	323.4
max	730.8	882.2	758.3	734.5	736.1	671.9	500.5	523.3	558.1	617.8	488	587.9	882.2	882.2
min	91.3	172	206.6	179.5	23.4	1.1	0	0	0.2	12.3	3.1	35.1	0	3.1
Initial Spread Index, ISI														
mean	9.4	8.2	6.6	3.8	2.5	1.4	1.5	2.4	4.8	6.7	8.3	8	5.3	7.3
median	5.3	4.9	3.5	2.3	1.3	0.9	1	1.5	2.5	3.6	4.7	4.8	2.4	4
max	78.6	83.1	80.5	45.2	46.4	19.5	20.6	29.8	71	68.3	78.7	58.6	83.1	83.1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buildup Index, BUI														
mean	56.7	69.4	62	44.6	21.8	10	5.7	10.2	21.4	30.7	41.3	50.9	35.4	50.6
median	49.7	63.4	53.5	34.7	17.3	5.9	3.9	8.1	18.3	26.6	38.4	47.7	25.8	43.3
max	205.6	236.9	201.4	186.5	140.2	63.5	34.6	44.9	72.7	99.1	108.5	142.8	236.9	236.9
min	5.1	4.7	0.3	2.1	0	0	0	0	0	2.5	1.7	2.4	0	0.3
Fire Weather Index, FWI														
mean	19.7	19.6	15.9	8.8	4	1.5	1.1	2.6	7.1	11	15.6	17	10.4	15.4
median	14.3	15	10.6	5.4	1.5	0.4	0.4	0.8	3.9	7.3	10.7	13.1	4.3	10.4
max	122.2	110.1	107.5	81	48.8	31.1	23.7	35.1	55	83.2	110.8	94.4	122.2	122.2
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Severity Rating, DSR														
mean	8.7	8.2	6.4	2.5	0.8	0.2	0.1	0.4	1.7	3.5	6	6.6	3.8	6
median	3	3.3	1.8	0.5	0.1	0	0	0	0.3	0.9	1.8	2.6	0.4	1.7
max	134.6	111.8	107.2	65	26.5	11.9	7.4	14.8	32.8	68.1	113.1	85.2	134.6	134.6
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Severity Rating, MSR														
mean	277.6	235.9	199.5	73	26.1	5.5	3.3	12.4	51.9	109.4	186	208.8	115.8	184.3
max	969.1	482.1	598.4	379	122.1	31.7	13.9	70.4	220.5	481.9	656.4	447.6	969.1	969.1
min	43.1	37.1	6.2	2.7	0.1	0.1	0	0.1	7.1	16.3	14.1	19.6	0	2.7
Cumulative Daily Severity Rating, CDSR														
mean													1389.3	1265.8
max													2344.6	2538
min													413.4	300.8

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Forest Fire Danger Class (FFDC) Frequency														
Low														
mean	7.6	5.4	9.1	13.4	23.2	27.3	29.9	27.2	16.7	12.2	8.7	7.8	188.4	64.6
max	24	15	27	28	31	30	31	31	27	23	25	20	257	140
min	0	0	0	1	5	19	25	11	0	0	0	2	134	22
Moderate														
mean	9	9.2	10.8	11.9	6.4	2.5	1.1	3.3	10.6	12.5	10.4	9.6	97.2	74
max	23	17	20	24	17	10	6	16	20	19	18	17	137	104
min	2	1	1	2	0	0	0	0	3	7	3	3	60	44
High														
mean	5.3	5.9	4.5	2.6	0.7	0.1	0	0.3	1.6	3.2	4.9	6.3	35.6	32.6
max	14	17	13	10	5	2	1	3	6	9	12	13	59	55
min	1	2	0	0	0	0	0	0	0	0	0	0	13	9
Very High														
mean	2.7	2.6	2.4	0.9	0.4	0.1	0	0.1	0.7	1.6	2.3	2.4	16	14.4
max	7	8	6	5	2	2	0	2	5	4	6	8	29	31
min	0	0	0	0	0	0	0	0	0	0	0	0	3	3
Extreme														
mean	3.8	2.7	2.3	0.9	0.2	0	0	0	0.4	1.2	2.4	3.4	17.2	16.2
max	13	8	8	3	3	0	0	0	4	8	11	9	35	42
min	0	0	0	0	0	0	0	0	0	0	0	0	3	3
Very Extreme														
mean	2.7	2.5	2	0.3	0	0	0	0	0	0.4	1.3	1.5	10.7	10.5
max	12	8	10	4	0	0	0	0	0	6	7	7	26	30
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Fire Danger Class (GFDC) Frequency														
Curing source Canterbury (Hill & high Country)														
Curing%	80	80	70	60	60	50	60	60	70	70	70	80		
Low														
mean	2.1	1.9	3.4	5.6	9.1	11	10.2	7.2	3.1	3.3	2.6	2.3	61.9	21.3
max	6	6	16	16	19	23	24	18	10	8	9	7	91	42
min	0	0	0	0	1	1	1	0	0	0	0	0	39	8
Moderate														
mean	10.3	9.6	16.6	21.1	20.1	18.4	20.1	21.9	19.3	16.9	13.7	10.9	198.9	99.9
max	23	19	25	27	28	29	30	29	27	25	20	23	245	133
min	1	2	4	10	8	7	7	12	13	9	4	3	139	61
High														
mean	9.9	10.7	7	2.7	1.5	0.6	0.7	1.7	5	6.3	7.9	10.4	64.4	54.7
max	17	19	17	8	8	3	3	6	10	14	13	17	98	81
min	4	4	1	0	0	0	0	0	1	2	2	3	38	27
Very High														
mean	3.4	2.6	2	0.5	0.3	0	0	0.1	2	2.7	3.1	3	19.7	16.9
max	8	6	7	4	3	1	0	1	6	7	7	7	33	28
min	0	1	0	0	0	0	0	0	0	0	0	0	5	8
Extreme														
mean	4.2	3.1	2	0	0	0	0	0	0.6	1.8	2.7	3.9	18.2	17.3
max	9	7	4	0	0	0	0	0	5	7	10	10	34	33
min	0	0	0	0	0	0	0	0	0	0	0	0	3	2
Very Extreme														
mean	1.1	0.5	0	0	0	0	0	0	0	0	0	0.6	2.2	2.1
max	5	3	0	0	0	0	0	0	0	0	0	4	6	6
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scrub Fire Danger Class (SFDC) Frequency														
Low														
mean	3.1	2.6	3.7	4.8	7.6	10.1	7.6	5.6	3.8	4.2	3.3	3.3	59.6	25
max	11	7	16	13	17	24	20	15	10	8	11	9	94	47
min	0	0	0	0	1	1	0	0	0	0	0	1	37	11
Moderate														
mean	0.1	0	0.1	0.1	0.2	0.1	0.1	0.1	0	0	0	0	0.8	0.3
max	1	0	1	1	2	2	1	2	0	1	1	0	5	2
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High														
mean	2.3	1.8	3.1	4.2	6.9	8.8	11.9	8	4.6	3.5	2.6	2.9	60.4	20.3
max	11	5	7	10	16	23	21	13	9	8	9	8	89	39
min	0	0	0	1	1	2	4	1	0	1	0	0	40	9
Very High														
mean	2	2	3.3	4.9	6.1	5.9	6.4	7.1	4	3.1	2.4	2.2	49.4	20.1
max	5	6	12	12	13	18	14	15	13	7	9	5	81	45
min	0	0	0	0	1	1	0	1	0	0	0	0	31	8
Extreme														
mean	5.3	5.6	7.6	9.1	6.1	3.4	3.4	6.6	8.4	6.9	5.6	5.4	73.5	46.1
max	14	13	14	17	13	10	14	13	21	15	11	15	96	68
min	0	1	1	3	0	0	0	0	1	3	1	1	39	24

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Very Extreme														
mean	18.1	16.3	13.3	6.9	4.1	1.7	1.6	3.6	9.2	13.3	16.1	17.2	121.6	100.4
max	29	25	29	16	12	5	5	16	19	26	28	26	166	145
min	5	8	1	0	0	0	0	0	2	4	5	7	65	47