

Station Name: Dunedin Aero SYNOP (DNA)

Period: 1964-01-01 - 2021-07-02

Length of record: 57 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Temperature, degrees Celsius														
mean	18.4	18.4	16.9	14.1	10.7	7.9	7.4	9.6	12.2	14.1	15.6	17.3	13.5	16.4
median	18	18	16.6	14	10.4	8	7.2	9.3	12	14	15.2	17	13.2	16
max	33	33	29.3	26.6	24.3	19	18	24	24	28.4	30	32.6	33	33
min	7.8	7	7.3	3.4	-1.5	-1.6	-0.6	1.1	1	2.2	4.4	2.2	-1.6	2.2
Relative Humidity, %														
mean	62.9	63.2	64.6	67.6	73.5	76.4	76.3	70.4	63.7	61.5	61.7	62.6	67.1	63.4
median	63	63	64	68	75	76	77	71	64	61	62	62	67	63
max	100	100	100	100	100	100	100	100	100	100	100	100	100	100
min	12	6	24	23	29	27	18	22	12	17	17	15	6	6
Wind Speed, km/h														
mean	18.8	16.7	15.9	14.8	14.6	13.4	12.4	14.9	17.5	19.8	20.8	19.7	16.6	18.1
median	17	15	13	13	13	11.1	9.3	13	16.7	18.5	19	18.5	15	17
max	64.8	63	66.7	82	72.4	66.7	70.4	61.1	64.8	68.5	70.4	70.4	82	82
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24-hr Rainfall, millimeters														
mean	2.2	1.9	1.8	1.7	2	1.7	1.5	1.4	1.4	1.9	1.9	2.2	1.8	2
median	0	0	0	0	0	0	0	0	0	0	0	0	0	0
max	66.1	68	86.1	137	78	73.4	101.6	66.7	64.1	63.5	75	60.8	137	137
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Rainfall, millimetres														
mean	68	55.6	57.4	51.3	61.1	51.6	47.5	43.9	42.8	59.9	58.3	68.4	55.5	59.8
max	187.6	166.2	198.4	182.8	246.6	174.2	152.8	138.6	122.9	152.8	158.2	132.7	246.6	198.4
min	16.8	5.1	6.8	5.2	5.8	7.6	7	10.6	11.9	11.2	10.8	11.2	5.1	5.1
Seasonal Rainfall, millimetres														
mean													665.7	418
max													905.7	667.5
min													412.3	219.8
Fine Fuel Moisture Code, FFMC														
mean	75.7	76.7	75.6	72.5	66.6	64.2	65	69.1	73.9	74	75.2	74.7	71.9	74.9
median	82.2	82.9	82	79.8	74.2	71.2	72.9	76.3	79.9	80.3	81.2	81.2	78.7	81.4
max	96.7	98	92.7	92.2	90.3	89.9	90.5	92	93.3	94	95.2	94.1	98	98
min	10.8	7.1	2.9	0.2	0.7	0	2.2	0.7	3	11	12.3	16	0	0.2
Duff Moisture Code, DMC														
mean	17.6	20.1	19.1	14.2	7.1	3	2.7	4.6	8.8	12.1	14.6	16.7	11.7	16.3
median	14.3	17.1	14	10.8	5	2.2	2.2	3.9	7.5	9.9	12.9	13.8	8.4	13.2
max	91.7	81.3	82.2	91.7	40.9	23.3	15.7	19.6	34.4	44.7	46.2	74.1	91.7	91.7
min	0.4	0.6	0.2	0	0	0	0	0	0	0	0	0.2	0	0
Drought Code, DC														
mean	291.5	338.4	346.9	348.2	286.3	202.5	163.9	133.9	131.3	145.1	185.1	247.8	235.1	271.6
median	294.2	332.4	341.7	334.3	277.4	184.8	140.2	105	112.1	115.3	164.5	244.1	221.9	264.8
max	707.6	729.4	770.6	729.7	610.5	534.3	443.6	419.7	381.8	430.9	488.7	518.1	770.6	770.6
min	26.6	75.3	3.5	2.5	1	0.2	0.3	0.1	0.8	1.7	4.2	11.9	0.1	1.7
Initial Spread Index, ISI														
mean	5	4.6	4.1	3.1	2.3	1.8	1.8	2.5	3.9	4.6	5.1	4.8	3.6	4.5
median	3.4	3.2	2.7	2	1.3	1	1.1	1.6	2.4	2.9	3.4	3.4	2.2	2.9
max	53.7	75.8	66.5	51.8	31.5	33.4	49.7	29.6	52	57.1	73.2	73.8	75.8	75.8
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Buildup Index, BUI														
mean	29.6	34.1	32.4	24.9	13	5.7	5	7.7	13.7	18.5	23.1	27.3	19.5	27.1
median	24.9	30.1	25.1	19.5	9.4	4.1	3.8	6.6	11.8	15.7	21.5	23.5	14.6	22.5
max	134.9	127.1	125.7	139.5	68.7	40.9	28.3	33.4	47.5	71	61.6	109.2	139.5	139.5
min	0.7	1.1	0.4	0	0	0	0	0	0	0	0	0.4	0	0
Fire Weather Index, FWI														
mean	9	9.1	8.1	5.5	2.8	1.4	1.2	2.4	4.7	6.5	8	8.4	5.6	7.8
median	6.5	6.8	5.5	3.2	0.8	0.4	0.5	0.8	2.8	4.2	6	6.2	2.7	5.4
max	72.9	88.9	72.4	69.3	38.2	26.4	38.4	24.1	40.6	59.7	69.9	61.7	88.9	88.9
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Severity Rating, DSR														
mean	2.3	2.2	1.9	1.1	0.4	0.1	0.1	0.3	0.8	1.4	1.8	2	1.2	1.8
median	0.7	0.8	0.6	0.2	0	0	0	0	0.2	0.3	0.6	0.7	0.2	0.5
max	53.9	76.6	53.2	49.2	17.2	8.9	17.4	7.6	19.1	37.9	50.1	40.1	76.6	76.6
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Severity Rating, MSR														
mean	70.7	62.5	59.4	31.7	13.4	4.1	3.5	8.8	24.2	42.7	54.9	61.5	36.5	54.8
max	251.8	234.1	303.9	181.9	72	19.2	19.6	29.5	96.6	180.4	197.3	186.8	303.9	303.9
min	13.3	6.1	3.3	1.8	0.2	0.1	0.1	0.5	1.1	6.5	8.6	9.6	0.1	1.8
Cumulative Daily Severity Rating, CDSR														
mean													437.4	385.3
max													919.8	853.4
min													226.8	127.3

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
Forest Fire Danger Class (FFDC) Frequency														
Low														
mean	12.7	10.8	14.3	18.4	26	28.8	30.3	27.8	21.3	17.7	13.3	13.4	234.8	100.5
max	26	26	29	30	31	30	31	31	30	28	26	28	278	151
min	1	0	0	1	9	21	24	18	5	2	2	1	163	44
Moderate														
mean	13.1	13	12.6	9.8	4.5	1.2	0.6	3.2	7.9	11	13.6	13.3	103.8	86.3
max	23	22	24	25	15	9	7	13	23	23	26	23	154	117
min	5	2	2	0	0	0	0	0	0	3	3	3	76	57
High														
mean	3.5	3.2	2.8	1.3	0.4	0	0	0	0.7	1.8	2.5	3	19.3	18.2
max	12	10	13	5	7	0	1	1	8	7	9	11	45	49
min	0	0	0	0	0	0	0	0	0	0	0	0	4	3
Very High														
mean	1	0.7	0.6	0.3	0.1	0	0	0	0	0.4	0.5	0.8	4.4	4.4
max	5	6	5	6	2	0	0	0	1	7	3	4	15	13
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Extreme														
mean	0.6	0.4	0.6	0.2	0	0	0	0	0	0.1	0.2	0.4	2.5	2.5
max	5	5	5	4	0	0	0	0	2	2	3	3	12	13
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Very Extreme														
mean	0.1	0.1	0.2	0	0	0	0	0	0	0	0	0	0.5	0.5
max	3	3	4	1	0	0	0	0	0	0	1	1	4	4
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grass Fire Danger Class (GFDC) Frequency														
Curing source Otago (Coastal Otago)														
Curing%	60	70	60	60	30	30	30	40	50	50	40	60		
Low														
mean	3.9	2.7	4.4	5.9	10.7	12.6	12.5	7.6	4.1	4.1	3.6	4.3	76.3	28.9
max	11	8	12	15	22	22	25	16	10	12	11	10	102	47
min	0	0	0	0	1	2	3	0	0	0	0	0	50	10
Moderate														
mean	21.9	17.9	23	21.8	19.2	16.8	18	21.8	21.5	20.9	21.2	22.1	246.1	148.8
max	28	26	28	29	26	27	28	29	29	28	27	27	273	166
min	16	11	17	15	9	8	6	13	15	15	15	16	195	125
High														
mean	4.7	6.3	3.4	2.2	1.1	0.6	0.5	1.5	3.9	5	4.5	4.3	37.9	30.3
max	13	13	12	8	6	4	4	8	11	12	11	13	70	57
min	0	1	0	0	0	0	0	0	0	0	1	0	22	13
Very High														
mean	0.5	1.1	0.3	0.1	0	0	0	0.1	0.5	0.8	0.7	0.4	4.4	3.7
max	3	3	2	2	1	1	1	1	3	5	5	3	12	12
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Extreme														
mean	0	0.4	0	0	0	0	0	0	0.1	0.2	0.1	0	0.7	0.6
max	0	2	1	0	0	0	0	0	1	2	2	1	4	3
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	4.7	3.8	4.7	5.8	8.9	9.9	9.3	7.4	4.9	5.4	4.7	5.5	75.1	34.8
max	13	9	12	15	23	20	21	17	15	12	12	13	100	53
min	0	0	0	0	0	1	2	0	0	0	0	0	46	17
Moderate														
mean	0	0	0	0.1	0.1	0.3	0.2	0.1	0	0	0	0	0.9	0.2
max	1	0	1	1	2	3	2	1	1	0	1	1	5	2
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
High														
mean	2.2	2.2	3.1	4.4	6.5	7.4	8.6	5.4	3.5	2.6	1.6	2.2	49.5	18.1
max	6	9	12	9	16	16	19	13	11	8	5	7	71	31
min	0	0	0	0	1	0	1	2	0	0	0	0	33	7
Very High														
mean	3.3	3.5	4.6	5.2	5.1	4.8	5.7	6.1	4.9	3.9	3.5	3.1	53.7	27.1
max	8	9	9	12	13	10	11	13	9	9	9	8	74	40
min	0	0	0	0	2	1	0	0	1	0	0	0	37	14
Extreme														
mean	8	8.3	8.5	7.8	5.9	4.6	4.3	6.9	8.1	8.2	8.1	7.6	86.3	56.6
max	15	17	14	14	11	11	11	12	15	16	15	13	108	74
min	2	3	2	2	0	0	0	1	2	2	2	2	56	36

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Very Extreme														
mean	12.8	10.4	10	6.9	4.4	3.1	2.9	5.1	8.6	10.9	12	12.7	99.7	75.5
max	25	20	20	13	13	9	12	15	18	22	24	24	151	113
min	4	2	2	1	0	0	0	0	1	4	4	3	63	43