

Station Name: Invercargill Aero SYNOP (NVA)

Period: 1961-01-01 - 2022-03-04

Length of record: 61 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
<b>Temperature, degrees Celsius</b>														
mean	16.6	16.7	15.4	13.1	10.3	7.7	7.2	9	11.1	12.6	14	15.8	12.5	14.9
median	16	16	15	13	10	7.9	7.1	9	11	12	13.8	15	12	14.4
max	29.3	29	26.1	23.7	20.1	17.6	16	18.3	21	24	26	27.4	29.3	29.3
min	7	7.7	6	2	0	-1.1	-2	0.6	1	1	2	3.3	-2	1
<b>Relative Humidity, %</b>														
mean	69.2	69.4	71.6	74.5	79.3	81.7	80.9	75.4	70.1	68.3	68.2	67.8	73	69.9
median	68	68.2	71	74	80	82	81	75	69	67	67	67	73	69
max	100	100	100	100	100	100	100	100	100	100	100	100	100	100
min	33	32.2	35	41	44	48	41	27	29	27	34	23	23	23
<b>Wind Speed, km/h</b>														
mean	23.2	21.3	20.3	19.5	18.3	16.5	15	17.3	21.4	24.8	25.1	23	20.5	22.5
median	20.4	18.5	18.5	17	14.8	13	13	14.8	20	22.2	24	22	18.5	20.4
max	70.4	74.1	70.4	77.8	74.1	81.5	66.7	75.9	74.1	75.9	72.2	68.5	81.5	77.8
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>24-hr Rainfall, millimeters</b>														
mean	3.4	2.8	2.8	3.3	3.4	3.2	2.6	2.3	2.7	3.1	3	3	3	3.1
median	0.2	0	0.2	0.4	0.8	0.8	0.6	0.3	0.4	0.6	0.5	0.3	0.4	0.3
max	134.4	61	53.9	50	46	43.2	33.8	53.8	35.8	51	58.2	59.6	134.4	134.4
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Monthly Rainfall, millimetres</b>														
mean	105.3	79.4	87	98.9	105.6	97.5	81.8	72.5	81.6	95.6	90.5	92.7	90.7	92.8
max	279	176.8	199	182.4	189.5	213	184.4	162.4	190.6	172	169	223.4	279	279
min	17	6.4	19.6	16.8	19.2	29.3	25.3	14.4	11.3	32.6	20.3	15.2	6.4	6.4
<b>Seasonal Rainfall, millimetres</b>														
mean													1088.5	649.5
max													1446	913.1
min													761.4	489.2
<b>Fine Fuel Moisture Code, FFMC</b>														
mean	70.3	71.6	68.6	63.4	56.9	51.6	53.3	61.4	65.6	67.2	68.7	70.3	64.1	68.6
median	76.8	78.2	75.3	68.4	59.1	52.1	54.6	65.6	70.5	72.2	73.8	76	68.9	74.5
max	91.3	91.2	90.3	88.5	86	84.8	84.5	87.1	89	90.4	90.2	92.3	92.3	92.3
min	4.2	3.4	0	2.6	3.2	2.4	3.2	2.9	3.8	9.9	0.6	4.6	0	0
<b>Duff Moisture Code, DMC</b>														
mean	9.2	9.7	6.9	3.7	1.5	0.5	0.6	1.6	3.2	4.6	6.3	8.4	4.7	6.9
median	7.5	8.1	5.6	2.6	0.8	0.2	0.3	1	2.4	3.8	5.2	7.1	2.8	5.4
max	62.6	62.7	30.9	22.9	14	10	4.5	9.9	24.7	27	28.8	40.6	62.7	62.7
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Drought Code, DC</b>														
mean	144.6	174.2	172.1	133.3	68.4	19.5	9	9.2	14.2	25.7	58.4	104.5	77.5	115.8
median	145.4	168.2	167.9	121.4	39.9	5.1	4.2	6	8.7	19.1	52.6	102.9	43	102.6
max	456.2	438.7	387.3	343.1	310.8	203.3	115.1	60.7	100.3	134.8	216	266.2	456.2	456.2
min	5.5	4.8	3.5	1.6	0	0	0	0	0	1.1	3.1	4.8	0	1.1
<b>Initial Spread Index, ISI</b>														
mean	3.8	3.7	2.9	2	1.3	0.8	0.8	1.6	2.5	3.4	3.6	3.7	2.5	3.3
median	2.7	2.5	2	1.3	0.8	0.5	0.5	1.1	1.7	2.2	2.5	2.5	1.5	2.2
max	41.8	43.5	34.4	22.5	19.2	10.4	12.6	18.4	39.9	49.8	49.6	48.4	49.8	49.8
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Buildup Index, BUI</b>														
mean	15.2	16.3	12	6.5	2.7	0.8	0.8	2	3.9	6	9.5	13.4	7.4	11.3
median	12.9	14.2	10	4.6	1.3	0.4	0.5	1.4	2.8	4.9	7.9	11.7	4.3	9
max	82.9	92.4	48.6	37.1	24.2	17.4	5.5	13	30.6	33.3	40	55.8	92.4	92.4
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Fire Weather Index, FWI</b>														
mean	5	5	3.4	1.7	0.7	0.3	0.3	0.7	1.7	2.7	3.6	4.5	2.5	3.7
median	3.1	3.1	1.7	0.6	0.2	0.1	0.1	0.3	0.6	0.9	2.1	2.9	0.6	1.9
max	56.4	57.1	37.7	25.6	10.3	7	7.7	12.3	24.1	32.5	35.1	42.5	57.1	57.1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Daily Severity Rating, DSR</b>														
mean	0.9	0.9	0.5	0.2	0	0	0	0	0.2	0.4	0.5	0.7	0.4	0.6
median	0.2	0.2	0.1	0	0	0	0	0	0	0	0.1	0.2	0	0.1
max	34.2	35	16.8	8.4	1.7	0.8	1	2.3	7.6	12.9	14.8	20.8	35	35
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Monthly Severity Rating, MSR</b>														
mean	26.9	25.2	15.4	5.1	1.3	0.3	0.3	1.4	5	11.1	15.7	22.9	10.9	17.5
max	119.2	159.1	62.2	21	5.9	1.7	2.5	9.4	19.6	37	78.8	70.9	159.1	159.1
min	4.6	2.6	1.4	0.2	0	0	0	0.1	0.5	1.8	1.8	3.3	0	0.2
<b>Cumulative Daily Severity Rating, CDSR</b>														
mean													130.5	122.1
max													264.7	288
min													59.8	38.1

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
<b>Forest Fire Danger Class (FFDC) Frequency</b>														
<b>Low</b>														
mean	20.5	19.1	24.4	28	30.8	30	31	30.9	29.1	28.4	24.2	21.8	318.1	166.3
max	31	28	31	30	31	30	31	31	30	31	30	30	346	203
min	9	0	6	21	28	30	31	29	16	16	9	4	275	118
<b>Moderate</b>														
mean	9.6	8.2	6.2	1.9	0.2	0	0	0.1	0.9	2.6	5.6	8.6	43.8	42.7
max	19	18	21	9	3	0	0	2	14	14	19	23	82	84
min	0	0	0	0	0	0	0	0	0	0	0	1	19	9
<b>High</b>														
mean	0.8	0.7	0.4	0	0	0	0	0	0	0.1	0.2	0.6	2.8	2.8
max	6	7	3	1	0	0	0	0	0	1	5	4	10	12
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Very High</b>														
mean	0.1	0.2	0	0	0	0	0	0	0	0	0	0	0.4	0.4
max	3	3	1	0	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
<b>Extreme</b>														
mean	0	0	0	0	0	0	0	0	0	0	0	0	0	0
max	1	1	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
<b>Very Extreme</b>														
mean	0	0	0	0	0	0	0	0	0	0	0	0	0	0
max	1	2	0	0	0	0	0	0	0	0	0	0	2	2
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 Southland (Coastal Southland)</b>														
Curing%	60	60	50	50	45	40	40	30	30	35	40	50		
<b>Low</b>														
mean	5.6	4.2	5.7	8.4	13.7	17.9	18.2	12.8	8.2	6.8	5.1	4.2	110.8	39.7
max	13	10	13	19	23	28	28	21	19	14	12	13	148	59
min	0	0	0	0	3	5	7	2	1	0	0	0	75	21
<b>Moderate</b>														
mean	22.1	21.4	22.6	20.2	16.9	12	12.7	17.9	20.8	21.9	22.1	22.9	233.4	153.5
max	28	27	28	27	27	23	23	28	29	30	29	27	260	168
min	15	15	14	9	8	2	3	8	11	16	14	17	204	138
<b>High</b>														
mean	3.1	2.4	2.5	1.3	0.4	0.1	0.2	0.3	0.9	2.1	2.6	3.4	19.3	17.4
max	9	7	11	6	3	2	3	2	4	7	10	10	37	31
min	0	0	0	0	0	0	0	0	0	0	0	0	10	7
<b>Very High</b>														
mean	0.2	0.2	0.3	0.1	0	0	0	0	0	0.1	0.2	0.5	1.7	1.6
max	2	2	2	1	0	0	0	0	1	1	2	3	7	6
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>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	1	1	1
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	7.8	6	8.2	11.4	15.9	18.7	18.1	12.6	10.1	9.7	8.3	7.5	134.3	58.8
max	15	12	17	21	29	28	27	21	21	19	17	22	168	87
min	2	0	0	1	3	7	8	2	1	3	0	2	95	37
<b>Moderate</b>														
mean	0	0	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0.6	0.2
max	1	1	1	1	2	2	1	1	1	1	0	0	4	1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>High</b>														
mean	2	2.5	3.7	4.2	5.5	5.7	6.6	5.6	3.1	2.3	2.1	2.1	45.4	18.7
max	7	8	9	9	12	15	14	12	9	7	7	6	66	31
min	0	0	0	1	1	0	2	0	0	0	0	0	27	8
<b>Very High</b>														
mean	3.7	4.1	5.1	4.8	4.3	3.2	3.5	5.6	5	4	3.6	4.1	51	29.5
max	8	10	10	11	12	9	11	12	14	8	10	9	71	39
min	1	0	0	1	0	0	0	1	0	0	0	0	37	17
<b>Extreme</b>														
mean	8.2	7.9	8.1	6	3.5	1.5	2	4.8	7.3	7.3	7.6	8.4	72.6	53.6
max	14	16	15	15	10	7	7	12	15	13	16	15	102	77
min	2	3	3	0	0	0	0	1	1	2	2	3	53	28

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<b>Very Extreme</b>														
mean	9.3	7.8	6	3.6	1.7	0.7	0.6	2.3	4.5	7.7	8.4	8.9	61.4	51.5
max	18	17	17	11	6	5	5	7	10	15	14	18	91	72
min	2	0	0	0	0	0	0	0	1	1	3	3	32	26