

Station Name: Paraparaumu Aero SYNOP (PPA)

Period: 1963-01-01 - 2020-07-01

Length of record: 57 years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
<b>Temperature, degrees Celsius</b>														
mean	19.5	19.9	18.8	16.6	14.3	12.2	11.4	12	13.3	14.5	16.1	18.1	15.6	17.7
median	19.4	20	19	17	14.4	12.1	11.4	12	13.4	15	16	18	15.4	18
max	28	28.8	28.6	25.1	21	18.5	17.6	19	21.1	22	25	28	28.8	28.8
min	11	10	8.8	6.5	6.8	5	4	4	5.5	6.4	8	10	4	6.4
<b>Relative Humidity, %</b>														
mean	68.7	68.2	68.3	69.5	72	73.4	73	71.6	70.9	71.2	69.7	69.9	70.5	69.3
median	68.9	68.2	68.2	69.5	71.8	73	72.6	71.1	71	71	70	70	70.4	69
max	100	100	100	100	100	100	100	100	100	100	100	100	100	100
min	23.2	30.6	35	34.4	32.7	38.5	37.2	31	29.9	32.5	32	29.9	23.2	23.2
<b>Wind Speed, km/h</b>														
mean	21.2	19.9	19.3	18.6	18.8	18	17.9	19.6	21.3	22.4	22.3	21.1	20	20.7
median	20	19	19	19	19	19	18.5	19	20	22	22	20	20	20
max	63	54	61	89	74	59	56	57.4	70	63	70.4	55.6	89	89
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>24-hr Rainfall, millimeters</b>														
mean	2.2	2.1	2.1	2.6	3.1	3.4	3.3	3.1	2.8	3.2	2.6	2.7	2.8	2.5
median	0	0	0	0	0	0.1	0.1	0	0	0	0	0	0	0
max	66	64.6	97.9	94	110.4	75.8	76.2	65.3	64.4	91.6	72.3	76.6	110.4	97.9
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Monthly Rainfall, millimetres</b>														
mean	67.7	58.5	66	79.5	94.4	101	102	96.4	83.3	98.2	78.1	85.1	84.2	76.2
max	156.5	363.4	221.6	202.8	220	190	233.1	245.3	214.5	310.8	204	228.3	363.4	363.4
min	9.2	2.1	11.7	13.2	26	10.6	23.4	21.6	16	16.6	5.8	15.2	2.1	2.1
<b>Seasonal Rainfall, millimetres</b>														
mean													1010.4	532.4
max													1408.6	996.3
min													634.4	268.1
<b>Fine Fuel Moisture Code, FFMC</b>														
mean	77.1	77.8	76.2	73.7	69	65	64.5	66.2	69.3	69.5	73.3	73.3	71.2	74.4
median	83.1	83.8	83.3	81.5	77.4	72.4	71.6	72.9	76	76.9	80.1	80.6	79.3	81.7
max	91.2	91.3	89.8	88.6	87.3	86.8	86.5	87.1	87.6	88.2	89.3	89.6	91.3	91.3
min	6.2	1.9	0	0.9	1.3	1.1	2.1	7.2	2.6	2	0	9.1	0	0
<b>Duff Moisture Code, DMC</b>														
mean	16.9	21.6	18.5	11.1	5.4	2.6	2.2	2.8	4.7	6	10.6	13.2	9.6	13.9
median	14.6	18.4	14.2	9.6	4.2	1.9	1.6	2.2	3.8	5	8.6	10.3	6.2	10.6
max	74.8	75.8	103	65.8	37.1	15.5	15.2	16.4	20.6	27.5	48.4	77.6	103	103
min	0.3	0	0.2	0	0	0	0	0	0	0	0	0	0	0
<b>Drought Code, DC</b>														
mean	211	280.9	297.3	252.9	167	78.3	35	20.7	20.9	32.2	74.7	142.3	134.3	184.2
median	210.2	284.8	302.9	237.6	143	50.7	12.5	9.9	14.2	26.6	68.9	135.6	91	160.9
max	475.2	594.5	656	660.2	629.6	439	252.9	147.1	151.2	130.3	283.1	405.5	660.2	660.2
min	6.8	5.2	5.1	2.7	1.1	0.8	0.4	0.7	0.7	2.4	4	5.6	0.4	2.4
<b>Initial Spread Index, ISI</b>														
mean	4.8	4.8	4.2	3.4	2.8	2.1	2	2.3	3	3.2	3.9	3.9	3.4	4
median	4.4	4.5	3.9	3	2.2	1.7	1.6	1.8	2.5	2.7	3.4	3.4	2.8	3.6
max	36.7	28.1	22.3	22.3	22	17.8	22.2	21.1	28.9	19.9	24.1	24	36.7	36.7
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Buildup Index, BUI</b>														
mean	27.2	35.1	30.8	19.4	9.5	4.3	3.3	3.6	5.7	7.8	15.1	20.5	15.1	22.2
median	24.3	30.8	25	17.1	7.4	3.2	2.3	2.7	4.5	6.6	12.5	16.7	9.6	17.2
max	102.5	110.9	145.2	105.4	64.6	25.1	20	19	27.9	35.7	67.8	104.9	145.2	145.2
min	0.6	0	0.4	0	0	0	0	0	0	0	0	0	0	0
<b>Fire Weather Index, FWI</b>														
mean	8.7	10.2	8.4	5.4	2.9	1.4	1.2	1.5	2.4	3.1	5.3	6.3	4.7	6.8
median	7.8	9.4	7.3	4.4	1.7	0.6	0.5	0.6	1.1	2.1	4.2	5	2.6	5.3
max	61.1	42.2	42.9	32.8	25.8	17.5	21.8	13.5	27.4	28.6	36.1	49.1	61.1	61.1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Daily Severity Rating, DSR</b>														
mean	1.8	2.3	1.7	0.8	0.3	0.1	0.1	0.1	0.2	0.4	0.8	1.1	0.8	1.3
median	1	1.4	0.9	0.4	0.1	0	0	0	0	0.1	0.3	0.5	0.1	0.5
max	39.5	20.5	21.1	13.1	8.6	4.3	6.3	2.7	9.5	10.3	15.5	26.8	39.5	39.5
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Monthly Severity Rating, MSR</b>														
mean	55.3	64	54.2	24.9	10.3	3.5	2.7	3.5	7	11.3	25.1	34.9	24.7	38.5
max	216.7	188.2	278.4	66.9	36.1	19.2	17.6	18.2	29.5	38.3	102	204.4	278.4	278.4
min	13.9	3.8	6.4	4	0.6	0.3	0.1	0.3	0.9	1	2.9	3.3	0.1	1
<b>Cumulative Daily Severity Rating, CDSR</b>														
mean													296.6	269.4
max													726.8	663
min													94.8	87.1

	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	10.6	8.1	12	16.9	25.9	29.2	30.6	30.4	27.7	26.3	18.5	16.3	252.4	108.5
max	23	28	29	30	31	30	31	31	30	31	30	30	320	166
min	1	0	0	2	11	21	25	21	14	13	0	1	193	58
<b>Moderate</b>														
mean	16.5	14.7	14.7	12.3	4.9	0.8	0.4	0.6	2.3	4.7	10.6	12.7	95.4	86.5
max	25	24	24	24	19	9	6	10	16	17	24	22	154	123
min	8	1	2	0	0	0	0	0	0	0	0	1	46	45
<b>High</b>														
mean	3.1	4.3	3.3	0.7	0.1	0	0	0	0	0	0.8	1.7	14.1	13.9
max	13	15	15	4	2	0	0	0	0	1	12	17	42	40
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Very High</b>														
mean	0.5	0.9	0.6	0	0	0	0	0	0	0	0.1	0.2	2.4	2.4
max	7	7	8	1	0	0	0	0	0	0	1	7	16	16
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Extreme</b>														
mean	0.2	0.3	0.3	0	0	0	0	0	0	0	0	0.1	0.9	0.9
max	5	3	10	1	0	0	0	0	0	0	0	2	15	15
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	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>Grass Fire Danger Class (GFDC) Frequency</b>														
<b>Curing source Wellington (Wellington West)</b>														
Curing%	60	70	60	40	20	20	20	20	30	40	40	50		
<b>Low</b>														
mean	2.7	2.2	3.3	4.6	8.8	11.4	12	10.7	6.4	5.6	3.6	4	75.2	25.9
max	7	10	10	12	16	20	23	21	14	11	8	8	104	48
min	0	0	0	0	3	3	4	4	1	0	0	0	56	13
<b>Moderate</b>														
mean	24.2	14.9	24.4	24	22	18.5	19	20.2	23.1	23.7	23.9	22.5	260.4	157.8
max	29	23	30	29	28	27	27	27	29	29	30	27	287	176
min	17	6	16	17	15	10	8	10	15	18	19	11	240	139
<b>High</b>														
mean	4	10.7	3.3	1.4	0.2	0.1	0	0.1	0.5	1.7	2.4	4.4	29	27.9
max	13	20	10	4	1	2	1	2	5	8	10	17	55	50
min	0	1	0	0	0	0	0	0	0	0	0	0	5	8
<b>Very High</b>														
mean	0	0.5	0	0	0	0	0	0	0	0	0	0.1	0.6	0.6
max	1	3	0	0	0	0	0	0	0	0	1	1	3	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	0	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	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	3.7	3.3	4.3	5.7	8.3	9.9	10.9	9.7	7.6	7.7	5.3	5.8	82.2	35.7
max	9	15	11	14	17	18	21	21	16	14	11	14	110	60
min	0	0	0	1	3	2	3	3	1	2	0	1	59	21
<b>Moderate</b>														
mean	0	0	0	0	0	0.1	0.1	0	0	0	0	0	0.2	0.1
max	0	0	0	1	0	1	1	1	0	1	0	0	2	1
min	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>High</b>														
mean	0.8	0.8	1.1	1.5	2	3	2.5	2.8	1.6	1.6	1	1.2	19.9	8.1
max	5	3	4	5	8	8	7	8	4	5	4	7	40	20
min	0	0	0	0	0	0	0	0	0	0	0	0	10	3
<b>Very High</b>														
mean	2.6	1.8	3	3.3	4.5	5	5.4	4.7	3.8	3.7	3.3	3.1	44.3	21
max	6	9	8	8	10	10	10	10	11	10	9	7	66	41
min	0	0	0	0	1	2	2	0	0	0	0	0	30	13
<b>Extreme</b>														
mean	8.1	7.1	8.8	10.2	9.5	8.3	8.9	8.8	9.4	8.9	8.5	9	105.5	60.6
max	15	16	16	19	19	15	19	14	17	20	15	14	131	82
min	1	1	1	4	3	3	2	3	4	4	3	3	78	41

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	FIRE SEASON
<b>Very Extreme</b>														
mean	15.9	15.2	13.7	9.3	6.8	3.7	3.3	4.9	7.6	9.1	11.9	11.9	113.2	86.9
max	27	23	25	17	17	15	9	13	17	17	25	26	168	118
min	5	4	3	2	1	0	0	1	1	0	1	3	70	46