

# Monthly Rainfall (millimetres)

## DEERAL

Station Number: 031021 · State: QLD · Opened: 1929 · Status: Open · Latitude: 17.21°S · Longitude: 145.91°E · Elevation: 8 m

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1929			183.4	159.9	75.9	63.8	14.0	53.1	59.3	10.9	58.5	139.9	
1930	1271.3	675.7	1155.6	217.1	492.5	132.7	123.0	28.7	83.2	441.3	84.3	294.3	4999.7
1931	916.3	695.1	272.9	538.9	167.9	333.7	35.5	48.2	48.2	212.9	260.3	1322.7	4852.6
1932	1210.4	166.6	765.1	122.9	695.5	105.9	75.0	169.9	52.8	17.8	82.8	586.2	4050.9
1933	256.3	1510.5	453.3	1014.7	249.8	304.3	52.6	152.0	144.3	579.6	835.6	585.5	6138.5
1934	1088.9	947.7	994.7	1164.7	418.7	143.6	78.3	36.0	108.2	105.1	182.6	12.7	5281.2
1935	273.7	564.3	1955.2	178.1	337.8	117.1	113.8	209.9	10.2	305.8	208.5	4.9	4279.3
1936	424.3	1135.6	520.0	727.4	469.6	312.0	181.0	5.8	303.8	38.9	161.2	449.3	4728.9
1937	353.0	332.6	1258.3	522.9	103.6	65.9	297.6	169.3	98.2	38.4	296.0	114.4	3650.2
1938	1043.8	640.2	283.9	48.0	336.6	205.3	231.3	174.3	129.2	226.9	194.1	220.4	3734.0
1939	1198.7	1424.5	2076.5	752.0	221.9	220.4	82.2	27.7	71.5	125.5	317.9	23.6	6542.4
1940	360.6	634.9	1426.1	333.1	165.9	295.8	57.7	69.7	47.9	68.1	194.0	52.5	3706.3
1941	760.8	923.5	761.7	1094.8	471.9	68.8	31.3	34.0	35.6	5.8	196.7	135.0	4519.9
1942	191.4	555.8	270.7	829.3	248.5	384.0	66.1	60.4	227.8	85.0	243.8	956.5	4119.3
1943	284.3	1082.4	380.2	211.6	128.8	83.5	18.6	0.0	135.6	213.9	148.7	100.3	2787.9
1944	180.0	1081.5	538.9	108.8	18.1	336.0	139.6	140.2	243.1	92.4	73.5	333.5	3285.6
1945	1141.1	1184.2	2743.7	680.3	289.2	137.0	341.8	0.0	0.0	233.6	37.4	507.3	7295.6
1946	908.5	1216.5	556.8	55.5	118.7	0.0	37.7	6.1	1.3	97.5	47.8	5.1	3051.5
1947	33.8	558.7	410.4	213.6	368.1	200.1	54.6	283.8	217.8	73.9	68.6	46.0	2529.4
1948	970.5	514.8	545.8	279.2	118.9	224.7	129.2	140.9	0.0	20.1	37.3	256.8	3238.2
1949	695.3	631.2	1797.9	909.7	243.9	58.0	73.7	78.8	119.1	41.8	292.6	59.7	5001.7
1950	748.6	533.0	1011.1	841.1	124.9	186.2	321.4	53.1	135.1	212.5	579.1	1269.6	6015.7
1951	529.7	401.5	314.1	61.7	155.6	104.3	129.6	8.7	304.5	118.9	139.3	136.0	2403.9
1952	1045.9	226.1	395.8	239.4	304.7	29.0	70.0	150.6	114.1	84.5	147.2	108.4	2915.7
1953	1358.2	391.8	1233.7	210.0	100.1	113.7	148.0	54.9	247.1	8.6	233.5	96.9	4196.5
1954	550.5	498.5	532.2	660.0	308.4	107.7	73.9	193.2	48.1	232.2	53.3	155.2	3413.2
1955	141.6	1466.0	1187.6	451.1	562.3	410.9	72.7	82.0	194.8	331.9	297.1	82.6	5280.6
1956	710.5	395.9	680.1	345.9	113.8	128.8	75.5	67.9	109.5	31.5	182.1	556.7	3398.2
1957	972.2	692.0	529.9	365.4	265.7	384.3	158.5	4.8	31.4	15.5	52.4	100.0	3572.1
1958	801.1	771.7	706.3	623.0	402.6	232.9	6.9	55.4	35.4	6.4	228.1	45.3	3915.1
1959	574.0	761.2	1719.5	386.1	434.6	223.5	116.1	306.2	161.3	1.3	221.8	255.8	5161.4
1960	675.2	387.9	695.9	122.2	27.4	75.2	114.1	27.0	2.1	3.4	57.5	223.7	2411.6
1961	553.3	290.5	457.1	348.2	278.8	21.1	27.6	36.1	78.8	59.4	77.3	396.8	2625.0
1962	811.2	619.8	309.8	440.8	77.3	215.9	79.0	36.1	166.2	0.0	100.3	165.9	3022.3
1963	702.3	1029.8	289.0	724.6	130.4	53.4	20.3	36.3	31.2	310.2	69.4	292.4	3689.3
1964	500.1	338.5	1236.9	339.0	863.8	21.4	80.1	26.2	172.7	161.6	187.9	582.0	4510.2
1965	440.6	727.8	846.1	535.0	671.6	375.7	24.2	22.5	16.4	80.4	53.6	362.4	4156.3
1966	301.7	188.2	402.9	275.9	203.4	80.8	29.2	131.5	0.0	61.3	96.3	124.3	1895.5
1967	268.9	689.6	1713.4	288.9	416.2	316.2	85.9	88.7	0.0	73.0	404.6	120.7	4466.1
1968	1024.7	911.9	393.3	254.7	308.6	14.7	76.1	23.4	108.8	31.0	51.5	51.9	3250.6
1969	866.4	324.3	659.7	319.8	192.3	203.8	349.9	74.9	61.0	25.4	92.7	323.1	3493.3
1970	232.4	790.2	945.3	311.4	99.8	92.1	42.0	166.4	41.1	256.9	559.6	199.5	3736.7
1971	124.0	472.1	1263.3	840.2	101.6	36.1	58.4	21.2	24.4	58.4	52.2	69.1	3121.0
1972	922.2	1027.3	1095.9	240.1	461.4	241.5	26.7	49.6	243.8	0.0	41.2	133.9	4483.6
1973	248.9	440.7	1065.6	800.1	292.3	212.2	144.9	42.0	73.7	128.4	459.8	1446.4	5355.0
1974	437.0	936.0	966.0	215.0	431.0	39.0	2.0	9.0	58.0	83.0	212.0	138.0	3526.0
1975	255.0	1029.0	380.0	546.0	398.0	253.0	102.0	137.0	394.0	155.0	145.0	1124.0	4918.0
1976	358.0	731.0	553.0	731.0	229.0	109.0	134.0	35.0	16.0	29.0	157.0	449.0	3531.0

Quality control: 12.3 Done & acceptable, 12.3 Not completed or unknown



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1977	639.0	2166.0	855.0	985.0	206.0	111.0	118.0	86.0	100.0	80.0	179.0	125.0	5650.0
1978	673.0	351.0	307.0	300.0	460.0	26.0	5.0	116.0	18.0	445.0	139.0	152.0	2992.0
1979	2216.0	897.0	526.0	379.0	156.0	224.0	119.0	59.0	35.0	54.0	73.0	347.0	5085.0
1980	396.0	440.0	565.0	266.0	264.0	113.0	40.5	250.5	0.0	18.0	168.0	315.0	2836.0
1981	2498.0	902.0	409.0	162.0	540.0	2.0	184.0	0.0	206.0	258.0	421.0	100.0	5682.0
1982	199.0	369.0	448.0	934.0	260.0	111.0	32.0	305.0	74.0	6.0	220.0	78.0	3036.0
1983	119.0	141.0	1197.0	285.0	723.0	59.0	63.0	211.0	111.0	5.0	275.0	273.0	3462.0
1984	473.0	1169.0	291.0	173.0	210.0	133.0	80.0	11.0	2.0	113.0	392.0	216.0	3263.0
1985	449.0	937.0	961.0	259.0	302.0	31.0	55.0	15.0	67.0	89.0	468.0	64.0	3697.0
1986	976.0	144.0	915.0	525.0	203.0	245.0							
1993						103.9	169.6	85.0	230.7	27.3	76.4	202.3	
1994	636.7	1147.8	327.0	421.1	171.4	75.9	241.5	138.5	94.5	140.0	159.3	173.8	3727.5
1995	150.0	1080.0	637.0	114.1	236.0	139.0	12.7	334.5	14.2	347.0	93.0	109.0	3266.5
1996	699.0	699.0	788.3	262.5	229.6	161.5	66.0	17.5	15.0	258.5	33.5	297.4	3527.8
1997	759.2	642.8	785.0	234.6	112.0	154.4	82.0	95.8	71.0	167.2	148.4	594.2	3846.6
1998	571.8	516.2	259.6	326.2	353.4	58.2	110.8	432.0	243.0	102.8	500.0	318.6	3792.6
1999	571.8	1228.0	1476.4	903.8	103.4	146.4	84.0	169.6	140.4	47.4	541.4	505.2	5917.8
2000	394.0	1567.6	802.8	1135.8	115.6	74.4	33.6	153.4	39.8	148.0	498.8	658.4	5622.2
2001		1183.2	421.6	546.6	6.0	258.8	26.0	26.0	66.2	209.0	226.0	64.0	
2002	192.0	266.4	355.6	335.5	273.8	8.8	40.0	99.8	73.4	0.2	57.0	192.6	1895.1
2003	323.2	371.2	352.6	514.0	222.6	106.6	100.2	62.2	9.4	76.2	88.6	444.0	2670.8
2004	320.4	713.6	1634.6		89.6	110.0	106.0	9.4	42.6	34.6	265.4	201.8	
2005	533.4	213.8	612.0	582.0	61.4	87.8	271.2	202.0	16.8	39.2	23.8	115.4	2758.8
2006	352.4	353.4	1543.0	782.8		235.0	110.2	23.0	122.0	175.0	39.2		
2007	418.2	1384.2	329.2	206.0	347.4	76.4	48.4	38.8	41.0		284.4	433.8	
2008	649.0	781.4	1382.0	96.0	156.2	70.4	121.0	10.2	135.0	134.8	176.0	214.0	3926.0
2009	1316.0	964.8	377.0	296.0	299.2	14.6	19.2	19.2	13.8	136.8	529.0	179.0	4164.6
2010	1096.6	637.0	683.0	614.6	134.0	58.2	142.6	183.8	180.6	489.8	950.0	823.6	5993.8
2011	693.4	1258.0	716.8	389.0	57.2	169.8	72.8	26.6	53.8	579.0	340.6	344.2	4701.2
2012	325.6	419.0	1728.4	257.6	265.2	47.6	116.8	37.6	112.6	97.4	68.4	113.2	3589.4
2013	837.8	236.4	502.8	335.8	503.6	39.8	214.4	10.0	101.6	100.0	327.8	192.2	3402.2
2014	679.0	794.8	564.4	637.4	356.4	146.4	74.2	135.0	29.4	37.6	71.2	68.4	3594.2
2015	540.6	830.0	378.4	305.0	102.4	443.6	74.2	40.0	70.0	159.0	111.8	559.8	3614.8
2016	173.0	390.0	557.0	399.0	361.8	177.2	156.4	152.6	188.2	155.4	81.2	212.8	3004.6
2017	716.0	609.4	279.0	443.0	143.0	128.6	142.2	8.0	169.8	368.6	273.8	60.8	3342.2
2018	906.6	653.0	1431.0	173.0	181.0	88.6	102.2	6.2	29.4	43.6	92.0	1193.4	4900.0
2019	1043.8	293.0	740.6	609.6	269.8	86.4	151.6	88.6	15.2	128.4	7.8	173.6	3608.4
2020	561.6	365.0	476.0	176.0	432.0	151.8	82.8	67.6	185.0	72.0	108.0	265.6	2943.4

Quality control: 12.3 Done & acceptable, 12.3 Not completed or unknown



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### Statistics for this station calculated over all years of data

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
<b>Mean</b>	648.4	722.2	794.7	441.0	269.1	145.9	99.7	88.9	95.6	130.2	205.7	304.7	3971.8
<b>Lowest</b>	33.8	141.0	183.4	48.0	6.0	0.0	2.0	0.0	0.0	0.0	7.8	4.9	1895.1
<b>5th percentile</b>	152.3	215.6	280.0	109.6	63.6	16.3	14.9	5.9	0.3	3.6	37.8	45.4	2517.6
<b>10th percentile</b>	193.4	291.2	308.1	160.5	99.9	30.0	24.9	8.8	9.7	7.1	51.8	60.0	2782.1
<b>Median</b>	571.8	664.3	637.0	342.5	246.2	113.3	80.0	55.4	71.5	87.0	159.3	200.6	3697.0
<b>90th percentile</b>	1095.1	1206.8	1516.4	840.8	471.2	308.1	182.8	198.5	223.8	308.9	464.7	591.8	5627.8
<b>95th percentile</b>	1265.2	1418.5	1726.6	977.3	559.0	365.8	265.3	277.1	243.7	430.4	538.9	1098.9	5996.0
<b>Highest</b>	2498.0	2166.0	2743.7	1164.7	863.8	443.6	349.9	432.0	394.0	579.6	950.0	1446.4	7295.6

### Statistics calculated over the period 1961-1990

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
<b>Mean</b>	641.7	694.7	732.7	441.5	326.1	128.5	79.2	79.6	84.0	103.2	203.8	306.0	3819.3
<b>Lowest</b>	119.0	141.0	289.0	162.0	77.3	2.0	2.0	0.0	0.0	0.0	41.2	51.9	1895.5
<b>5th Percentile</b>	142.8	155.1	295.0	183.5	100.2	16.3	8.1	9.4	0.0	1.0	51.6	65.0	2667.2
<b>10th percentile</b>	215.7	239.4	308.4	227.6	116.0	21.2	21.9	12.6	0.8	5.4	52.8	72.7	2898.4
<b>Median</b>	461.0	708.7	612.3	329.4	271.4	110.0	63.0	42.0	61.0	73.0	157.0	199.5	3531.0
<b>90th percentile</b>	1000.3	1029.4	1216.9	820.2	605.8	249.0	140.5	193.2	192.7	257.6	444.3	528.8	5247.0
<b>95th percentile</b>	1918.2	1134.2	1256.7	910.5	710.2	300.4	176.2	242.6	236.2	299.8	466.4	1015.6	5591.0
<b>Highest</b>	2498.0	2166.0	1713.4	985.0	863.8	375.7	349.9	305.0	394.0	445.0	559.6	1446.4	5682.0

#### 1) Calculation of statistics

Summary statistics, other than the Highest and Lowest values, are only calculated if there are at least 20 years of data available.

#### 2) Gaps and missing data

Gaps may be caused by a damaged instrument, a temporary change to the site operation, or due to the absence or illness of an observer.

#### 3) Further information

<http://www.bom.gov.au/climate/cdo/about/about-rain-data.shtml>.

