

Supplement of Hydrol. Earth Syst. Sci., 23, 4783–4801, 2019
<https://doi.org/10.5194/hess-23-4783-2019-supplement>
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Supplement of

A virtual hydrological framework for evaluation of stochastic rainfall models

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Onkaparinga Catchment Rainfall Characteristics

Site names, elevations and seasonal rainfall characteristic summary.

No.	Site Name	Elev. (m)	Ann. Av. Rain (mm)	Total (mm)												No. Wet Days (days)												Av. Daily Amount (mm)												Wet spell duration (days)												Dry spell duration (days)											
				Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	Belair	386	790	28	26	30	66	105	101	111	99	81	68	44	36	4.6	4.0	5.0	10.0	13.0	15.0	16.0	16.0	13.0	12.0	8.0	6.3	0.9	0.9	1.0	2.2	3.4	3.3	3.6	3.2	2.7	2.2	1.5	1.2	1.8	1.8	1.8	2.9	3.2	3.2	3.3	2.7	2.4	2.1	1.8	9.8	9.8	9.3	5.8	4.5	3.5	3.0	3.0	3.5	4.3	6.0	6.7	
2	Birdwood	385	720	25	26	25	54	86	88	104	102	83	64	38	32	4.4	4.5	5.3	9.7	14.0	15.0	17.0	17.0	14.0	12.0	8.0	6.1	0.8	0.9	0.8	1.8	2.8	2.9	3.4	3.3	2.7	2.0	1.3	1.0	1.8	1.9	1.6	2.5	3.3	3.3	3.4	3.5	2.6	2.4	2.0	1.8	9.6	9.3	8.6	5.5	4.4	3.2	2.8	3.1	3.3	4.2	5.5	7.4
3	Bridgewater	376	1050	32	34	35	79	130	134	154	139	112	85	53	43	5.2	4.6	5.9	10.0	14.0	15.0	18.0	17.0	14.0	13.0	8.7	6.7	1.0	1.2	1.1	2.6	4.2	4.4	4.9	4.5	3.7	2.7	1.7	1.4	1.9	2.0	1.8	2.7	3.7	3.5	3.6	3.6	2.8	2.5	2.1	1.8	8.9	9.6	8.0	5.1	4.5	3.1	2.7	2.9	3.3	3.8	5.6	6.5
4	Cherry Gardens	345	920	30	33	36	78	123	126	134	122	102	77	51	40	5.4	4.9	6.2	11.0	15.0	16.0	18.0	18.0	15.0	13.0	9.3	7.5	1.0	1.2	1.1	2.6	3.9	4.2	4.3	3.9	3.4	2.5	1.7	1.3	1.8	2.1	1.9	3.0	3.7	3.5	3.8	3.5	2.9	2.6	2.2	2.0	7.7	9.0	7.8	4.9	4.1	2.9	2.6	2.7	3.0	3.4	4.8	6.0
5	Clarendon	223	820	25	29	32	68	102	106	114	103	84	65	44	36	4.7	4.1	5.6	10.0	14.0	15.0	17.0	17.0	14.0	12.0	8.3	6.5	0.8	1.0	1.0	2.3	3.3	3.5	3.7	3.3	2.8	2.1	1.4	1.1	1.7	1.7	1.8	2.8	3.1	3.2	3.4	3.4	2.7	2.4	2.0	1.8	8.9	9.7	8.2	5.2	4.0	3.2	2.8	2.9	3.2	3.8	5.4	6.4
6	Coromandel Valley	234	710	24	26	28	59	92	95	102	89	72	59	39	32	4.8	4.2	5.5	11.0	14.0	16.0	18.0	17.0	14.0	12.0	8.3	6.6	0.8	0.9	0.9	2.0	2.9	3.1	3.3	2.9	2.4	1.9	1.3	1.0	1.8	1.9	1.7	2.9	3.4	3.3	3.6	3.6	2.9	2.5	2.0	1.9	9.2	9.4	8.3	5.5	4.2	3.1	2.8	3.0	3.3	3.8	5.3	6.6
7	Echunga	375	805	28	31	29	66	95	99	110	108	90	70	45	36	5.0	4.4	6.0	11.0	14.0	15.0	17.0	17.0	14.0	13.0	8.8	6.8	0.9	1.1	0.9	2.2	3.1	3.3	3.5	3.5	3.0	2.2	1.5	1.2	1.8	1.9	1.7	2.6	3.0	3.2	3.3	3.4	2.8	2.4	2.1	1.8	8.7	9.6	7.7	4.9	3.9	3.1	2.6	2.9	3.3	3.6	5.0	5.9
8	Gumeracha	346	790	27	27	28	60	93	95	108	108	90	69	42	35	5.3	4.7	5.6	10.0	14.0	15.0	18.0	17.0	14.0	13.0	8.6	6.8	0.9	1.0	0.9	2.0	3.0	3.1	3.5	3.5	3.0	2.2	1.4	1.1	1.8	1.9	1.7	2.6	3.3	3.5	3.5	3.5	2.9	2.6	2.0	1.8	7.8	9.1	8.3	5.3	4.1	3.1	2.6	2.8	3.4	3.7	5.2	6.2
9	Hahndorf	347	850	29	29	30	66	103	104	123	116	96	76	45	38	5.4	4.8	6.2	11.0	14.0	15.0	18.0	18.0	14.0	13.0	9.1	7.1	0.9	1.0	0.9	2.2	3.3	3.5	4.0	3.7	3.2	2.4	1.5	1.2	1.9	1.9	1.8	2.8	3.2	3.5	3.4	3.6	2.8	2.6	2.2	1.9	8.1	8.4	8.0	4.9	4.1	3.3	2.7	2.8	3.2	3.5	5.3	5.8
10	Happy Valley	148	640	22	25	26	53	81	83	88	78	65	54	37	30	4.8	4.1	5.5	10.0	14.0	16.0	18.0	17.0	14.0	12.0	8.1	6.7	0.7	0.9	0.8	1.7	2.6	2.8	2.8	2.5	2.1	1.7	1.2	1.0	1.7	1.7	1.7	2.7	3.3	3.2	3.6	3.4	2.8	2.4	2.0	1.9	8.2	10.0	7.9	5.4	4.1	2.9	2.6	2.9	3.2	3.8	5.4	6.5
11	Harrogate	335	550	23	23	23	42	60	58	75	72	65	52	30	25	3.5	3.1	3.9	7.5	9.6	10.0	12.0	12.0	10.0	8.4	5.5	4.2	0.7	0.8	0.7	1.4	1.9	1.9	2.4	2.3	2.1	1.7	1.0	0.8	1.6	1.6	1.5	2.1	2.3	2.4	2.2	2.3	2.1	1.9	1.7	1.6	12.0	11.0	11.0	6.7	5.4	4.7	3.8	3.9	4.3	5.4	7.6	9.1
12	Lobethal	470	880	28	31	31	65	107	111	133	127	101	74	45	36	4.9	4.6	5.8	10.0	14.0	15.0	18.0	18.0	14.0	12.0	8.5	6.7	0.9	1.1	1.0	2.2	3.4	3.7	4.3	4.1	3.4	2.4	1.5	1.2	1.8	1.9	1.8	2.8	3.4	3.5	3.5	3.6	2.9	2.5	2.1	1.8	8.4	8.8	8.1	5.3	4.3	3.3	2.6	2.9	3.2	3.7	5.7	6.1
13	Macclesfield	302	730	28	29	29	58	81	86	99	95	83	65	43	35	5.3	5.0	6.7	11.0	14.0	14.0	17.0	17.0	14.0	12.0	8.7	7.1	0.9	1.0	0.9	1.9	2.6	2.9	3.2	3.1	2.8	2.1	1.4	1.1	1.8	1.8	1.7	2.5	2.8	2.8	3.0	3.3	2.8	2.3	2.0	1.8	7.9	8.0	6.4	4.4	3.7	3.1	2.7	2.7	3.2	3.5	5.1	5.7
14	Meadows	384	870	30	31	33	71	102	109	122	113	99	76	48	39	4.8	4.6	6.2	10.0	14.0	15.0	17.0	17.0	14.0	12.0	8.4	6.7	1.0	1.1	1.1	2.3	3.3	3.6	3.9	3.6	3.3	2.4	1.6	1.2	1.7	1.7	1.7	2.5	2.8	3.1	3.2	3.1	3.0	2.3	2.0	1.7	8.5	8.4	7.6	4.7	3.6	2.9	2.7	2.6	3.3	3.5	5.3	5.9
15	Cudlee Creek	311	830	29	29	30	68	107	107	123	118	98	74	46	38	5.0	4.6	5.6	10.0	15.0	16.0	18.0	18.0	15.0	12.0	8.4	6.8	0.9	1.0	1.0	2.2	3.5	3.6	3.9	3.8	3.3	2.4	1.5	1.2	1.8	1.9	1.8	3.0	3.5	3.6	3.8	3.8	2.9	2.6	2.0	1.9	8.4	9.6	8.3	5.6	4.0	3.1	2.7	2.8	3.2	3.9	5.4	6.2
16	Morphett Vale	90	560	20	22	23	46	71	73	76	69	57	47	30	26	4.1	3.7	4.9	9.3	13.0	15.0	17.0	16.0	13.0	11.0	7.2	6.1	0.6	0.8	0.7	1.5	2.3	2.4	2.4	2.2	1.9	1.5	1.0	0.8	1.5	1.7	1.6	2.6	2.7	2.7	3.3	3.0	2.5	2.2	1.8	1.6	8.9	11.0	8.8	5.4	3.8	3.0	2.8	2.9	3.1	4.3	5.7	6.5
17	Mount Barker	349	770	28	29	29	64	89	89	104	103	85	69	43	36	5.9	5.0	6.8	12.0	15.0	16.0	18.0	18.0	15.0	13.0	9.3	7.6	0.9	1.0	0.9	2.1	2.9	3.0	3.3	3.3	2.8	2.2	1.4	1.2	1.9	1.8	1.7	2.8	3.1	3.3	3.3	3.5	2.9	2.5	2.1	1.8	7.2	8.0	6.3	4.6	3.6	3.0	2.6	2.6	3.1	3.3	4.7	5.4
18	Nairne	403	680	28	29	26	55	77	77	93	90	76	61	38	32	4.7	4.4	5.6	9.8	13.0	14.0	16.0	16.0	13.0	11.0	8.1	6.1	0.9	1.0	0.8	1.8	2.5	2.6	3.0	2.9	2.5	1.9	1.3	1.0	1.6	1.8	1.6	2.3	2.6	2.8	2.8	3.0	2.5	2.1	1.9	1.7	8.0	9.1	7.8	5.1	3.8	3.3	2.8	2.7	3.2	3.7	5.2	6.5
19	Old Noarlunga	7	520	20	23	22	45	67	69	72	64	54	46	29	24	4.1	3.6	4.9	9.2	13.0	14.0	17.0	16.0	13.0	11.0	7.3	5.7	0.6	0.8	0.7	1.5	2.1	2.3	2.3	2.0	1.8	1.5	1.0	0.8	1.6	1.6	1.6	2.5	2.9	2.8	3.1	3.0	2.6	2.1	1.9	1.6	9.6	11.0	8.2	5.4	4.4	3.1	2.8	2.9	3.5	4.1	6.0	7.2
20	Uraidla	499	1090	35	35	37	86	138	144	161	143	115	90	56	46	4.7	4.5	5.5	9.9	14.0	15.0	17.0	17.0	14.0	12.0	8.1	6.3	1.1	1.2	1.2	2.8	4.4	4.8	5.2	4.6	3.8	2.9	1.8	1.5	1.8	1.9	1.8	2.5	3.2	3.3	3.4	3.3	2.9	2.3	2.1	1.8	9.0	8.8	8.8	5.2	4.2	3.2	2.7	2.9	3.3	3.9	5.7	6.4
21	Willunga	158	640	23	25	25	51	83	88	95	80	70	54	34	26	4.0	3.8	4.9	9.6	14.0	15.0	17.0	17.0	14.0	11.0	7.4	5.8	0.7	0.9	0.8	1.7	2.7	2.9	3.0	2.6	2.3	1.7	1.1	0.8	1.6	1.7	1.7	2.7	2.9	3.1	3.2	3.3	3.0	2.2	1.9	1.7	10.0	10.0	9.6	5.8	3.8	3.1	2.7	2.8	3.5	4.0	6.2	6.9
22	Woodside	387	800	27	31	29	62	99	102	121	117	94	70	43	34	4.3	4.2	5.7	9.4	13.0	15.0	16.0	17.0	14.0	12.0	8.2	6.3	0.9	1.1	0.9	2.0	3.2	3.4	3.9	3.8	3.1	2.3	1.4	1.1	1.6	1.6	1.6	2.2	2.8	2.8	2.9	3.0	2.6	2.1	1.9	1.6	8.3	8.4	7.2	4.9	4.2	3.0	2.7	2.7	3.2	3.9	5.4	6.3

Note: Wet days are defined as days where the rainfall exceeded a 0.1 mm threshold with wet spells defined as the number of days in a row above the threshold (and vice versa for dry spells).