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THE OFFICIAL PUBLICATION OF THE AUSTRALIAN METEOROLOGICAL ASSOCIATION INC
August 2015

At the July 2015 AMETA meeting, the last in the Bureau of Meteorology offices in Kent Town, Dr Cecile Cutler, well known AMETA member, gave a talk on the subject of her recent Phd thesis on Sir Archibald Grenfell Price (1892-1977). Despite having his own plaque on Adelaide streets, he is not well known amongst the general public, despite a fascinating career as a geographer, historian and educationist.

Cecile's Phd research examined the output of Price, who was quite prolific in his output, producing work on geography through the 1920's to 1970's, with his books "White Settlers in the Tropics", "White Settlers and Native People", and "The Western Invasions of the Pacific and its Continents" the most important.

Price examined the problems and obstacles which had plagued European settlement in tropical areas, in particular the climate, pioneering the use of meteorological data and analysis to define climate zones suitable for habitation. His work also documents the impacts of disease and poor administration on the failures of previous colonisation efforts.

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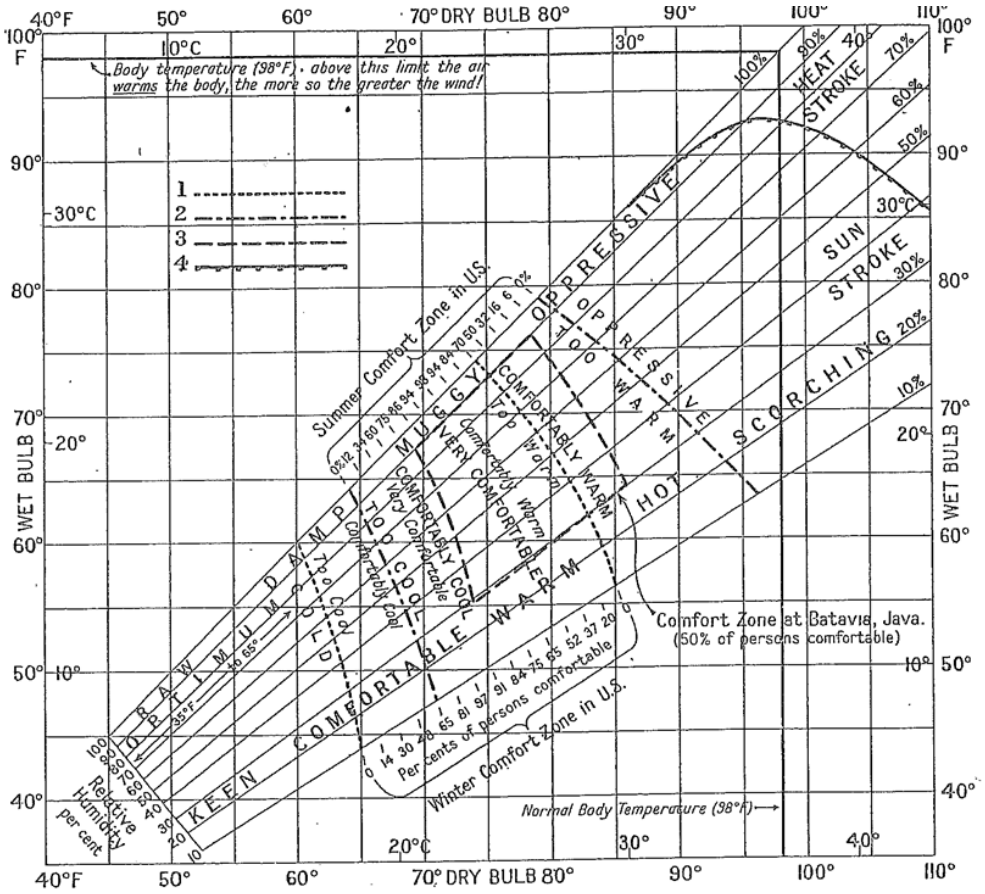


FIG. 82—Comfort and subjective sensations at various temperatures and humidities, for normally clothed and resting persons according to indoor chamber experiments and ordinary experience outdoors (see text for further details). Explanation: 1: "Winter Comfort Zone" indoors in the United States (Pittsburgh); 2: "Summer Comfort Zone" indoors in the United States (Boston); 3: "Comfort Zone" indoors at Batavia, Java. 4: Limit beyond which body temperature and pulse rate will rise rapidly with continued exposure and heat stroke is very likely to result. The terms parallel to the comfort-zone boundaries and in capital letters locate the distribution of subjective sensations within and just outside of the United States summer comfort zone; the similar terms in italic letters locate the same sensations with respect to the United States winter comfort zone. The terms parallel to the relative-humidity isolines locate very roughly the outdoor sensations in warm seasons and climates, as well as the range of optimum conditions for mental and physical effort, all based on the suggestions of Griffith Taylor and Ellsworth Huntington and the experience of the writer and other climatologists. Compare with Figures 83, 84, 85. (Comfort-zone data taken from C. P. Yaglou and P. Drinker, The Summer Comfort Zone: Climate and Clothing, *Jn. Ind. Hyg.*, Vol. 10, 1928, pp. 350-363; and C. P. Mom, Luchtbehandeling in de Tropen, *De Ingenieur in Nederlandsch-Indië*, No. 4, 1937.)

A comfort index nomogram utilised by Archibald Price in his work

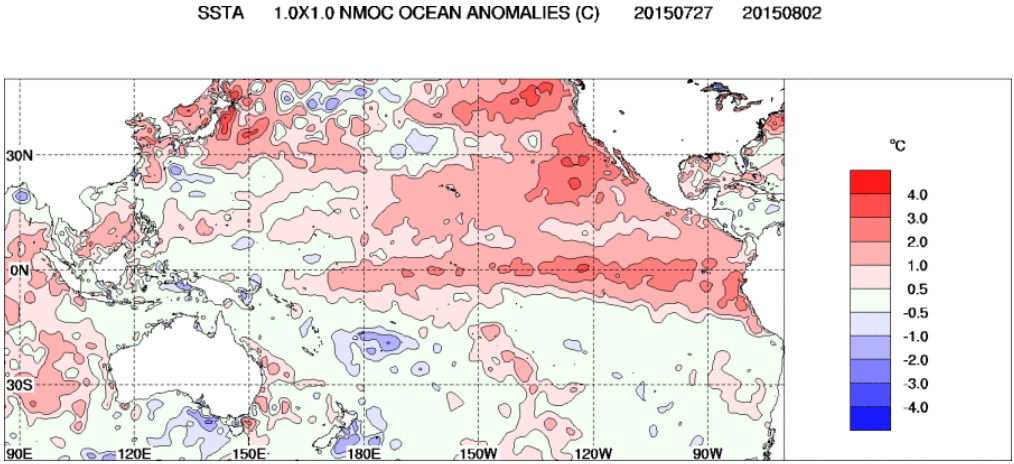
Record ocean conditions for 2015?

2015 is shaping up as an interesting year globally, with a near record strength El Niño event in progress in the Pacific Ocean, evident in ocean surface temperatures in excess of 2^{o} C warmer than average in the central Pacific. At the same time ocean surface temperatures in the southern Indian Ocean are also close to record warmest.

Global temperatures are reflecting these conditions with record temperatures so far this year likely to see 2015 as the new warmest year on record for the planet.

To monitor events through the remainder of the year see the ENSO wrap up:

http://www.bom.gov.au/climate/enso/



Adelaide in June 2015: Dry with average temperatures

With rainfall very much below average owing mostly to a lack of cold fronts, Adelaide had it driest June since 2006. Both maximum and minimum temperature were generally near average for the month, with the coolest days accompanied by generally light isolated showers delivered by weak cold fronts.

- Driest June since 2006
- 7th driest June on record
- Day and night temperatures near average

Adelaide recorded 15.4 mm of rainfall throughout June, resulting in the driest June since 2006, the second driest June to be recorded at Kent Town and the 7th driest June to be recorded in the city since 1839 when combining observations from both the West Terrace and Kent Town sites. The Kent Town site has a long-term June average of 80 mm and median of 78.8 mm, recorded on about 15 rain days. While there were 13 rain days throughout the month, as measured at Kent Town, it was dry elsewhere across the metropolitan region, with most sites receiving less than 40% of the long-term June average and a couple of sites having their lowest total June rainfall in more than 25 years.

June temperatures were close to average for Adelaide, with most stations recording mean monthly maximum and minimum temperatures within half of a degree of the their long-term June average. Maximum temperatures were warmest between the 4th and 8th with another warm spell occurring between the 12th and 14th as north to northeasterly winds were directed across South Australia. Minimum temperatures were very close to average for most stations across the Adelaide region, though there were several nights when the minimum temperature dropped below 5 degrees as the frequent presence of high pressure systems kept nights mostly cloud free. The coldest night was recorded on the 2nd, when the minimum dropped to 2.9 °C, which was the coldest June night for the city since 2012.

Extremes in June 2015

Hottest day	21.0 °C at Edinburgh RAAF on the 6th
Warmest days on average	16.2 °C at Adelaide (Kent Town) 16.2 °C at Parafield Airport
Coolest days on average	10.5 °C at Mount Lofty
Coldest day	7.2 °C at Mount Lofty on the 10th
Coldest night	-0.3 °C at Parafield Airport on the 11th
Coolest nights on average	5.4 °C at Mount Lofty
Warmest nights on average	8.8 °C at Noarlunga
Warmest night	13.2 °C at Adelaide (Kent Town) on the 15th
Warmest on average overall	12.2 °C at Adelaide (Kent Town) 12.2 °C at Noarlunga
Coolest on average overall	7.9 °C at Mount Lofty
Wettest overall	66.4 mm at Mount Lofty
Wettest day	14.2 mm at Eagle on The Hill on the 5th
Strongest wind gust	74 km/h at Mount Crawford on the 4th

Record lowest June total rainfall

	New record (mm)	Old record	Years of record	June Average
Sellicks Beach	23.0	31.8 in 2006	22	73.4

Lowest June total rainfall for at least 20 years

	Observed (mm)	Most recent lower	Years since lower	June Average
Willunga	25.6	17.8 in 1967*	47	92.0
Ashton Co-op	41.8	32.3 in 1967*	46	134.3
Cudlee Creek	35.4	22.8 in 1979	36	111.5
Mallala	12.4	7.4in 1979	36	48.6
Owen	11.6	9.2in 1979	35	46.6
Nairne	26.4	25.6in 1984	31	88.5
Morphett Vale	29.0	11.5in 1967	28	78.7
Lobethal	37.0	25.8in 1986	28	126.7

** **note:** there are gaps in the historical record at this site, so it is possible a lower value has gone unreported.*

All the detail you could possibly want and more is available on the BoM website.

Visit http://www.bom.gov.au/climate and wander through the various archived

Adelaide, South Australia
June 2015 Daily Weather Observations

Observations are from Kent Town, about 2 km east of the city centre.

Australian Government
Bureau of Meteorology

Date	Day	Temps		Rain	Evap	Sun	Max wind gust			9am						3pm					
		Min	Max				Dirn	Spd	Time	Temp	RH	Cld	Dirn	Spd	MSLP	Temp	RH	Cld	Dirn	Spd	MSLP
		°C	°C	mm	mm	hours		km/h	local	°C	%	eighths		km/h	hPa	°C	%	eighths		km/h	hPa
1	Mo	7.9	13.8	0.2	1.8		SW	20	13:12	10.4	76		N	4	1028.3	12.6	45		E	6	1027.3
2	Tu	2.9	14.2	0	1.0		NE	22	09:57	8.4	68			Calm	1030.5	13.0	44		WSW	9	1027.1
3	We	5.6	16.0	0	1.4		NNE	24	11:43	10.4	51		NNE	4	1024.5	15.7	43		N	9	1021.0
4	Th	9.4	17.1	0.6	1.2		WSW	48	13:17	11.7	67		N	17	1017.7	16.2	57		WSW	24	1017.4
5	Fr	11.7	17.4	0.2	1.4		SW	31	00:16	13.5	75		S	2	1025.8	17.0	64		WSW	9	1026.2
6	Sa	6.0	20.9	0			N	22	14:17	11.4	80		NNE	2	1029.6	20.3	44		N	13	1025.8
7	Su	11.3	17.3	0			N	31	11:23	14.4	60		NE	9	1024.4	16.8	55		N	11	1021.8
8	Mo	10.7	17.8	0			NW	28	13:10	11.1	82		NE	7	1022.3	17.2	69		WNW	15	1019.9
9	Tu	11.0	15.9	2.8	4.2		SSW	30	15:27	12.5	70		SW	9	1027.1	13.9	41		S	11	1028.5
10	We	8.7	13.9	0	1.6		E	30	10:34	10.5	68			Calm	1036.7	13.0	45		ESE	7	1035.0
11	Th	4.4	14.2	0	1.6		ESE	22	10:55	9.5	69		S	4	1035.7	13.8	50		E	7	1032.3
12	Fr	4.2	19.6	0	1.2		NNE	24	11:00	12.1	67		NE	7	1030.3	19.4	40		NW	7	1027.0
13	Sa	10.3	19.9	0			NNE	24	10:04	16.7	57		NE	7	1026.0	19.7	50		N	7	1022.9
14	Su	12.9	18.6	0			ENE	20	23:18	14.1	71			Calm	1023.5	16.9	76			Calm	1022.0
15	Mo	13.2	15.5	1.2	2.8		E	24	02:14	13.9	84		SSE	2	1021.5	15.4	75		ENE	6	1018.6
16	Tu	11.1	16.2	1.2	0.4		SSW	15	14:57	13.2	89			Calm	1017.6	15.4	78		SW	11	1015.2
17	We	9.7	16.9	0	0.4		WSW	24	13:31	11.7	90			Calm	1017.7	15.0	82		SW	13	1016.4
18	Th	11.2	16.2	1.0	0.6		SE	33	13:45	12.5	80		SSE	9	1022.3	14.6	62		SSE	9	1021.9
19	Fr	5.3	15.3	0.2			ENE	20	11:21	9.6	95		SSE	2	1026.8	14.1	60		ESE	9	1025.8
20	Sa	5.3	14.0	0			E	19	10:22	8.6	75			Calm	1029.1	13.9	42		NE	7	1026.6
21	Su	3.8	15.0	0.2			N	31	10:29	9.4	56		NNE	11	1026.6	14.7	44		N	15	1021.3
22	Mo	9.4	18.2	0.8			N	31	14:05	10.4	78		ENE	7	1019.8	18.0	40		NE	13	1013.5
23	Tu	10.4	17.7	3.4			W	35	23:40	13.0	62		NNW	11	1016.1	16.5	56		NW	17	1015.4
24	We	9.1	13.6	3.2			SSW	30	13:40	11.1	92		SW	4	1024.2	12.1	81		SSW	17	1025.9
25	Th	8.5	14.1	0.4			SSW	24	10:52	11.8	71		SW	7	1033.2	13.9	61		SW	7	1032.4
26	Fr	11.1	15.7	0			N	24	12:40	11.6	72		NNE	11	1034.0	15.1	50		NW	11	1032.3
27	Sa	3.8	15.5	0			SW	19	15:10	7.4	88			Calm	1034.7	14.3	65		WSW	11	1032.5
28	Su	5.4	16.2	0			ENE	17	12:13	9.5	77			Calm	1035.4	15.9	46		NE	6	1033.1
29	Mo	3.0	14.1	0			N	17	12:38	7.2	78		NE	2	1033.8	13.6	50		SE	2	1030.4
30	Tu	7.2	13.8	0			SW	17	13:41	10.1	68		ENE	2	1031.3	12.7	64		SW	7	1029.5
Statistics for June 2015																					
	Mean	8.2	16.2		1.5					11.3	73			4	1026.9	15.4	55			9	1024.8
	Lowest	2.9	13.6		0.4					7.2	51			Calm	1016.1	12.1	40			Calm	1013.5
	Highest	13.2	20.9	3.4	4.2		WSW	48		16.7	95		N	17	1036.7	20.3	82		WSW	24	1035.0
	Total			15.4	19.6																

Observations were drawn from Adelaide (Kent Town) (station 023090)

New satellite information for Australia

Some amazing images are now coming in from the new Japanese satellite, Himiwari 8, launched in recent months.

This is a geostationary satellite located over the Australian and Indonesian region, providing 10 minute images at high resolution and in 16 different wavelengths. The data is now being used internally by Bureau of Meteorology forecasters, but can be viewed by the public on the websites below:

http://www.jma.go.jp/en/gms/

http://rammb.cira.colostate.edu/ramsdis/online/himawari-8.asp

South Australia in June 2015: Below average rainfall near the coasts, wet in northeast Pastorals

In South Australia, most coastal areas and the southeast districts saw below average rainfall for June. Rainfall was also below average in the far northwest, but central and eastern parts of the State saw falls tend average to above average for the month. Statewide temperatures tended warmer than average as a whole, though some central and eastern districts experienced cooler days and nights.

- Dry across the coasts and southeast
- Above average rainfall across central and eastern parts
- Cooler through central districts
- Warm in the far west and the north

June rainfall was average to above average for central and eastern districts of South Australia, owing mainly to a broad trough of low pressure that slowly moved across the State between the 14th and 18th. The trough and an associated cold, unstable airmass produced the highest June daily rainfall on record at Tumby Bay on the east coast of the Eyre Peninsula. The west coast of the Eyre Peninsula, the lower Murray Valley and Southeast districts missed out on any significant falls for the month, highlighting a lack of rain bearing cold fronts. Some areas received less than 40% of the June total, and some sites had their lowest total June rainfall on record or their lowest total June rainfall for at least 20 years.

The statewide mean maximum temperature was warmer than normal, despite central and eastern districts experiencing cooler than average days. The far west and northern parts of South Australia observed maximum temperatures in excess of 1 °C above the long-term average. The warmest temperatures for the month were recorded on the 6th and again on the 13th as a northerly airstream was directed across the State and resulted in widespread areas recording temperatures at least 5 °C above average. Minimum temperatures were about 2 to 3 °C warmer than average across the north of the State, while some central and eastern parts observed minimum temperatures tending below average.

Extremes in June 2015

Hottest day	26.6 °C at Moomba Airport on the 12th
Warmest days on average	20.0 °C at Moomba Airport 20.0 °C at Nullarbor
Coolest days on average	10.5 °C at Mount Lofty
Coldest day	7.2 °C at Mount Lofty on the 10th
Coldest night	-4.5 °C at Gluepot Reserve (Gluepot) on the 2nd
Coolest nights on average	3.2 °C at Yongala
Warmest nights on average	12.6 °C at Neptune Island
Warmest night	15.6 °C at Neptune Island on the 7th
Warmest on average overall	14.2 °C at Moomba Airport 14.2 °C at Neptune Island
Coolest on average overall	7.9 °C at Mount Lofty
Wettest overall	116.0 mm at Tumby Bay
Wettest day	62.6 mm at Tumby Bay on the 18th
Strongest wind gust	96 km/h at Cape Willoughby on the 22nd

Record highest June daily rainfall

	New record (mm)	Old record	Years of record
Tumby Bay	62.6 on the 18th	44.2 on the 16th in 1955	109

Highest June total rainfall for at least 20 years

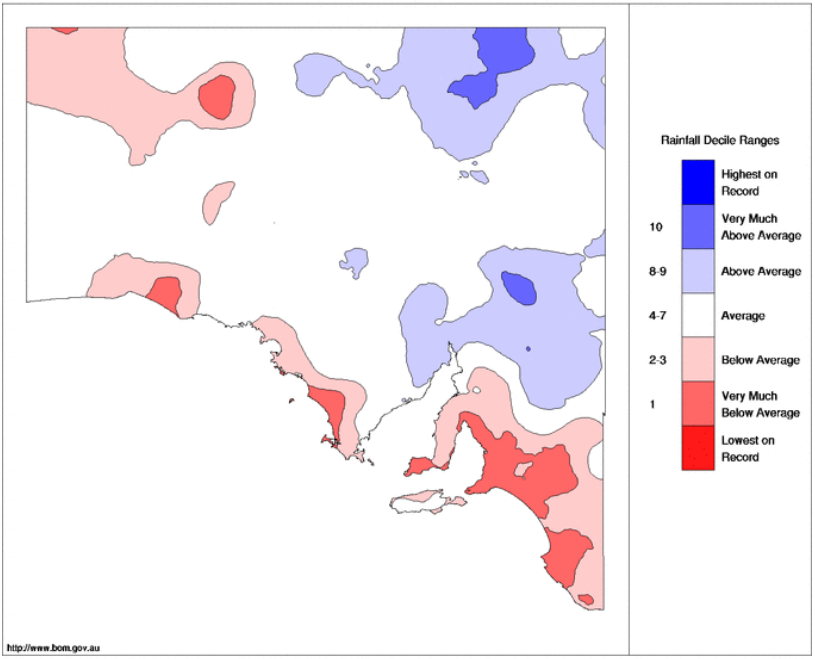
	Observed (mm)	Most recent higher	Years since higher	June Average
Tumby Bay	116.0	117.0 in 1956	59	44.6

Record lowest June total rainfall

	New record (mm)	Old record	Years of record	June Average
Bridgewater	8.8	16.2 in 1967	138	150.5
Mount Schank (Jethia)	22.6	34.4 in 2006	46	96.9
Mintaro (Martindale)	11.6	19.4in 1997	33	69.9
Goolwa Barrage	24.6	25.6 in 1997	27	64.9
Sellicks Beach	23.0	31.8 in 2006	22	73.4
Edithburgh	22.0	24.6 in 2006	21	58.4

South Australian Rainfall Deciles June 2015

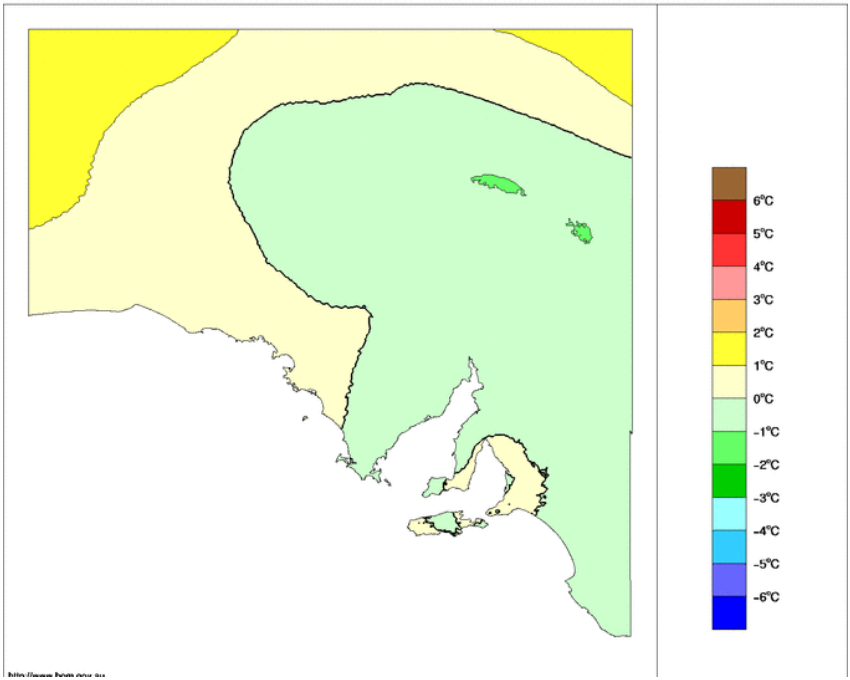
Distribution Based on Gridded Data
Australian Bureau of Meteorology



 ID code: AWAP Issued: 21/07/2015

Maximum Temperature Anomaly (°C) June 2015

Australian Bureau of Meteorology



Adelaide in July 2015: Below average temperatures; average rainfall

Both maximum and minimum temperatures were cooler than average for the month, with the coolest days accompanied by rain resulting from cold frontal systems and southwesterly airstreams. Rainfall was generally near average across Adelaide, with most locations across the region receiving close to their long term average.

- Coolest July days since 1997
- Coolest July nights since 1998
- Rainfall near average
- Snow in the Adelaide Hills

July temperatures were below average for Adelaide, with several stations recording mean monthly maximum and minimum temperatures close to one degree cooler than their long-term July average. Maximum temperatures were coolest between the 11th and 21st, with another cool spell occurring during the last week of the month as a southwesterly airstream was directed onto southern coastlines. The coldest day occurred on the 11th, as a cold front crossed the state, directing very cold air across the Adelaide region. The July mean maximum temperature for Adelaide was the coolest since 1997. Minimum temperatures were also below average for most stations, the coldest night was recorded on the 20th, when the minimum in the city dropped to 1.8 °C, which was the coldest July night for Adelaide since 2011. The July mean minimum temperature for the city was the coolest since 1998.

Adelaide recorded 73.6 mm of rainfall over 18 rain days throughout July, just below the long term average of 76.5 mm (with a median of 68.8 mm) recorded on about 16 rain days. Rainfall was generally average across the metropolitan and Hills, with the wettest day for most locations occurring on the 11th as a cold frontal system crossed the southern coasts, bringing totals of between 15 and 35 mm. The passage of the cold front resulted in snowfall across the higher elevations of the Adelaide Hills.

Extremes in July 2015

Hottest day	19.3 °C at Parafield Airport on the 9th
Warmest days on average	15.0 °C at Parafield Airport
Coolest days on average	8.5 °C at Mount Lofty
Coldest day	5.3 °C at Mount Lofty on the 11th
Coldest night	-1.7 °C at Mount Barker on the 20th
Coolest nights on average	3.9 °C at Mount Lofty
Warmest nights on average	7.6 °C at Noarlunga
Warmest night	11.8 °C at Adelaide Airport on the 7th
Warmest on average overall	10.9 °C at Noarlunga
Coolest on average overall	6.2 °C at Mount Lofty
Wettest overall	161.0 mm at Crafers West

Adelaide, South Australia
July 2015 Daily Weather Observations

Observations are from Kent Town, about 2 km east of the city centre.

Australian Government
Bureau of Meteorology

Date	Day	Temps		Rain	Evap	Sun	Max wind gust			9am						3pm					
		Min	Max				Dirn	Spd	Time	Temp	RH	Cld	Dirn	Spd	MSLP	Temp	RH	Cld	Dirn	Spd	MSLP
		°C	°C	mm	mm	hours		km/h	local	°C	%	eighths		km/h	hPa	°C	%	eighths		km/h	hPa
1	We	4.7	14.5	0			WSW	20	14:59	8.8	78		NE	6	1030.6	13.1	48		WSW	13	1027.6
2	Th	8.8	16.4	0			W	28	13:28	10.6	86		NE	6	1029.2	15.4	51		WSW	9	1028.6
3	Fr	3.1	13.8	0			W	17	15:07	8.1	71		NE	2	1029.6	12.6	59		NW	7	1026.6
4	Sa	5.5	17.1	0			N	17	12:00	11.4	68		NE	7	1025.0	15.5	53		NNW	9	1022.1
5	Su	4.9	17.3	0			NNW	24	14:26	11.2	67		NE	7	1021.2	17.2	46		NW	11	1017.8
6	Mo	9.6	15.9	6.2			WNW	31	11:47	10.8	87		NNE	7	1017.0	14.0	78		WNW	11	1016.8
7	Tu	10.8	15.1	4.8			W	26	11:34	12.5	94		WNW	9	1022.2	13.2	88		SSE	6	1021.7
8	We	6.9	16.6	1.4			N	28	13:37	9.5	95		NNE	4	1025.2	15.6	49		NW	9	1022.2
9	Th	9.5	19.1	0			NNW	28	13:26	13.0	51		NNE	7	1021.3	17.8	42		WNW	13	1018.0
10	Fr	10.4	15.3	2.8			W	37	13:52	11.9	69		N	11	1015.4	14.1	81		NW	17	1012.9
11	Sa	6.3	11.8	18.6			SW	63	22:20	6.3	88		SW	13	1009.3	11.7	67		WSW	19	1009.0
12	Su	5.9	12.2	5.0			SSW	52	00:06	10.2	68		SSW	17	1018.3	10.4	76		SSW	13	1020.1
13	Mo	8.7	14.7	3.6			WSW	39	13:36	11.3	89		SW	15	1022.7	13.8	73		WSW	15	1020.7
14	Tu	9.5	13.6	1.2			SW	54	15:36	11.1	90		NW	7	1017.9	11.5	65		SW	24	1016.0
15	We	5.4	13.2	6.4			SSE	39	13:10	8.8	81			Calm	1019.7	12.8	62		S	15	1020.1
16	Th	6.9	14.3	1.4			S	28	16:11	10.0	69		SW	6	1027.8	13.2	62		S	11	1026.8
17	Fr	5.7	12.8	0			SW	28	13:55	9.3	79			Calm	1029.7	12.0	65		SW	11	1029.1
18	Sa	5.6	14.0	0			E	22	11:19	8.6	85			Calm	1033.2	12.6	57		SW	13	1031.4
19	Su	2.2	12.6	0			N	20	13:49	7.8	61			Calm	1034.1	11.5	42		E	7	1030.8
20	Mo	1.8	13.3	0			N	30	10:52	8.2	51		NNE	9	1030.1	12.8	40		NNW	11	1026.2
21	Tu	7.8	13.7	0			N	50	14:37	11.3	47		NNE	13	1020.9	13.2	46		NNE	20	1014.7
22	We	8.7	16.1	3.8			SW	33	16:17	9.3	90		NNE	7	1021.0	15.1	62		WSW	13	1021.9
23	Th	3.3	18.0	1.2			NE	28	16:53	9.9	74		NE	2	1022.7	17.2	45		NNE	11	1016.6
24	Fr	9.9	15.6	1.2			SW	43	21:07	11.2	86		NNW	13	1014.3	14.5	62		WNW	19	1013.4
25	Sa	9.3	15.0	1.8			WSW	44	21:42	10.5	91		N	9	1017.9	14.4	70		NNW	15	1014.7
26	Su	7.8	12.4	11.2			SW	46	11:38	10.5	56		WSW	15	1022.8	11.3	54		SW	17	1025.0
27	Mo	3.1	13.7	1.0			WSW	24	15:14	6.9	86		NNE	4	1035.1	12.1	61		SW	13	1034.7
28	Tu	6.9	12.5	1.8			NE	15	09:13	8.6	86		N	7	1038.0	12.1	64		SE	2	1035.1
29	We	6.8	13.8	0			N	28	15:49	9.9	54		N	11	1031.9	13.4	44		N	13	1026.6
30	Th	9.5	14.8	0.2			NW	46	12:14	11.6	44		N	19	1019.6	13.1	75		NW	19	1018.6
31	Fr	3.3	16.1	0			N	28	11:48	7.7	80		NE	4	1022.1	15.7	55		NNW	11	1016.1
Statistics for July 2015																					
	Mean	6.7	14.7							9.9	74			7	1024.1	13.6	59			12	1022.0
	Lowest	1.8	11.8							6.3	44			Calm	1009.3	10.4	40		SE	2	1009.0
	Highest	10.8	19.1	18.6			SW	63		13.0	95		N	19	1038.0	17.8	88		SW	24	1035.1
	Total			73.6																	

Observations were drawn from Adelaide (Kent Town) (station 023090)

IDCJDW5002.201507 Prepared at 13:06 UTC on 2 Aug 2015

South Australia in July 2015: cool and dry across much of the State

In South Australia, most central and eastern districts saw below average rainfall for July. Rainfall was also below average in the northeast Pastorals, but western and northern parts of State saw falls closer to average for the month. Statewide temperatures were cooler than average as a whole, with cooler than normal days and nights particularly in central and eastern parts.

- Dry across the central and eastern districts
- Coolest July days since 2010
- Cooler nights across most areas
- Warmer July nights in the Northwest
- Snowfall on the Mount Lofty and Flinders Ranges

July rainfall was below average for South Australia as a whole, with particularly dry areas through central and eastern parts of the State. The wettest period for most southern locations occurred between the 11th and 15th as a cold frontal system crossed the state, bringing totals of 25 to 50 mm to southern coasts and elevated regions across the Mount Lofty and Flinders Ranges. The passage of the cold front produced snowfall down to levels of about 500 metres on the morning of 11th. Showers persisted across southern districts to around the 16th as a result of a southerly airstream being directed across the coasts. A sequence of cold fronts swept across southern coastal areas from the 21st to 26th, bringing light to moderate periods of rain for agricultural areas.

The statewide mean maximum temperature was cooler than normal, coming in as the coolest July since 2010. The coolest temperatures for the month were recorded between the 11th and the 17th as a high pressure system located in the Great Australian Bight directed a southerly airstream across the state. Daytime time temperatures were up to 6 degrees below the July average for large areas of the state during this period. Minimum temperatures were also below average for July, with coldest nights being recorded between the 18th and 21st, as a high pressure system positioned over eastern parts of the State maintained calm conditions. Light winds and clear skies during this period resulted in minimum temperatures of around 5 to 10 degrees below average and morning frost reported across much of the state, with Strathalbyn, Parawa and Edithburgh having their lowest July temperature on record.

Despite the generally cool conditions across much of the state, only Coonawarra and Hawker had their lowest July mean daily maximum temperature for at least 20 years.

Extremes in July 2015

Hottest day	28.6 °C at Coober Pedy Airport on the 31st
Warmest days on average	19.0 °C at Oodnadatta Airport
Coolest days on average	8.5 °C at Mount Lofty
Coldest day	5.3 °C at Mount Lofty on the 11th
Coldest night	-5.7 °C at Gluepot Reserve (Gluepot) on the 20th
Coolest nights on average	2.0 °C at Yongala
Warmest nights on average	11.0 °C at Neptune Island
Warmest night	13.9 °C at Neptune Island on the 5th
Warmest on average overall	12.8 °C at Neptune Island
Coolest on average overall	6.2 °C at Mount Lofty
Wettest overall	161.0 mm at Crafers West
Wettest day	40.0 mm at Piccadilly (Woodhouse) on the 11th
Strongest wind gust	106 km/h at Neptune Island on the 11th

Lowest July mean daily maximum temperature for at least 20 years

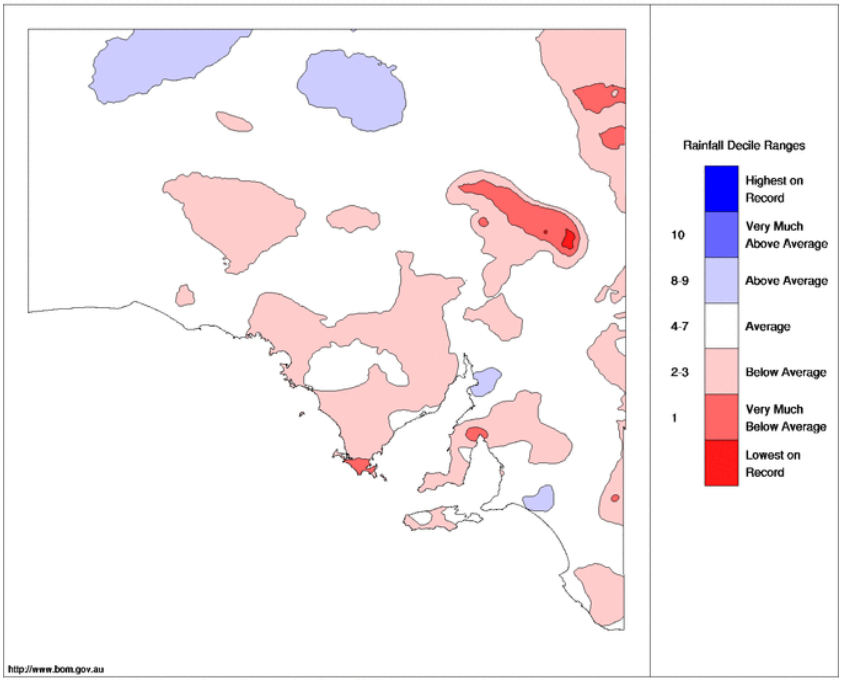
	Observed(°C)	Most recent lower	Average for July
Coonawarra	13.0	12.8 in 1995	13.9
Hawker	14.7	14.4 in 1989*	15.9

Record lowest July temperature

	New record (°C)	Old record	July Average
Edithburgh	0.0 on the 20th	0.4 on the 24th in 2008	7.5
Parawa	1.2 on the 20th	2.2 on the 12th in 1998	6.9
Strathalbyn -	1.6 on the 20th	-0.7 on the 20th in 2006	6.6

South Australian Rainfall Deciles July 2015

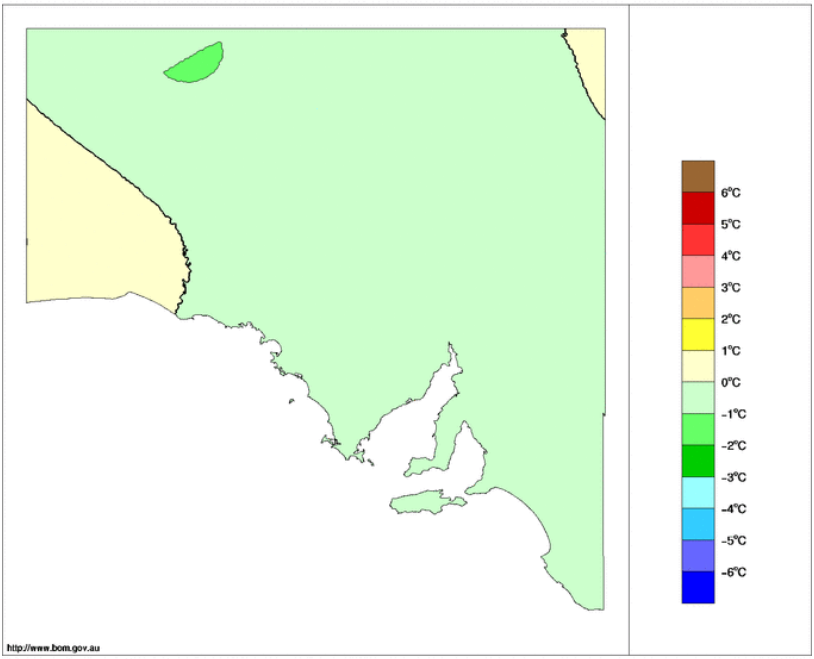
Distribution Based on Gridded Data
Australian Bureau of Meteorology



 ID code: AWAP Issued: 03/08/2015

Maximum Temperature Anomaly (°C) July 2015

Australian Bureau of Meteorology



 ID code: AWAP Issued: 03/08/2015

Australian Meteorological Association Inc (AMetA)
www.ameta.org.au

NEXT MEETING

5.30 PM TUESDAY 25 August 2015

New Bureau of Meteorology offices, Level 4 431 King William St, Adelaide (corner of South Terrace & King William Street)

Please note the change of venue from previous meetings and the meeting happening on the Tuesday , not the usual Monday.

Subject: ***Chris Purton, Senior Meteorologist/Hydrologist Tonkin Consulting***

Speaker*: *The role of the expert witness: Chris will draw on his years of experience as a consultant and court witness around meteorological and hydrological matters, in his role with Tonkins Consulting, and the challenges of preparing and defending an analysis in court.

Please note this meeting is the Annual General Meeting for 2105 for AMETA

We look forward to seeing you.
For further information contact

Secretary:	*Darren Ray*
Phone:	*8366 2664*
Fax:	*8366 2693*

Inquiries or suggestions, please contact the Secretary on the phone number listed above.