

91 ACORN AWS stations small screen conversion (extreme temperatures 5 years pre/post comparison)	Small screen installed *	90th percentile frequency change	90th percentile C change	95th percentile frequency change	95th percentile C change	99th percentile frequency change	99th percentile C change
Adelaide	1977	10.8	0.8	9.4	0.9	3.2	1.4
Albany	1998	0.6	-0.3	0.4	-0.5	-1.4	-0.7
Alice Springs	1998	-10.2	-0.2	-8.2	-0.2	-4.2	0.3
Amberley	1997	1.2	-0.1	0.0	-0.1	0.8	0.0
Birdsville	2001	1.2	-0.1	0.0	-0.1	0.8	0.0
Bourke	1998	5.0	0.2	5.6	0.0	3.2	0.0
Bridgetown	1987	6.6	0.1	3.8	-0.0	1.8	-0.3
Brisbane	1992	0.2	0.5	5.0	0.2	1.2	-0.5
Broome	1939	-3.0	-0.3	-4.2	-0.2	-1.6	0.5
Bundaberg	1997	15.2	0.1	12.0	-0.1	4.0	0.3
Burketown	2001	20.2	0.9	16.8	0.8	7.0	-0.3
Butlers Gorge	1989	0.4	0.4	1.2	0.5	1.4	0.4
Cabramurra	1996	12.0	0.2	6.2	0.3	1.4	0.1
Cairns	2005	0.8	0.1	2.6	0.0	0.6	0.1
Cape Borda	2002	-0.2	-0.6	-6.0	-0.1	-1.0	0.5
Cape Bruny	1991	-5.6	-0.1	-1.8	-0.1	-0.6	0.1
Cape Leeuwin	1978	16.2	-0.8	3.2	-1.1	-1.4	0.2
Cape Moreton	1995	0.6	-0.1	2.4	-0.5	-1.2	-0.8
Carnarvon	1997	4.2	-0.0	3.0	-0.6	-0.6	0.1
Ceduna	1999	0.0	0.3	2.4	0.3	-0.4	0.4
Charleville	1999	5.0	-0.0	0.8	0.1	0.8	-0.4
Cobar	1997	12.4	0.1	6.4	-0.4	0.8	-0.2
Coffs Harbour	2002	11.2	0.4	9.0	0.2	3.0	1.4
Cunderdin	1996	0.0	-0.1	-0.6	-0.0	-0.8	0.0
Dalwallinu	1975	12.0	0.7	8.4	0.8	4.2	0.5
Darwin	1941	12.0	0.7	8.4	0.8	4.2	0.5
Deniliquin	1997	13.2	0.6	9.0	0.2	2.4	0.6
Dubbo	1997	5.8	-0.1	5.4	-0.6	0.6	-0.8
Eddystone	1997	33.8	-0.0	9.0	0.3	1.4	0.4
Esperance	2004	1.6	0.3	1.6	0.3	1.2	1.1
Eucla	1976	18.4	1.0	14.6	-0.3	1.4	0.0
Forrest	1993	5.8	-0.2	-0.8	0.2	0.4	-0.1
Gayndah	2003	7.0	-0.0	3.2	-0.2	-0.2	-0.2
Georgetown	2004	-10.8	-0.0	-8.4	-0.0	-4.4	0.1
Geraldton	1999	-3.2	-0.5	-3.2	-0.6	-2.4	-0.4
Giles	2009	-1.2	0.6	2.4	0.7	5.6	0.5
Halls Creek	1996	-21.6	-0.4	-14.4	-0.4	-3.0	-0.3
Hobart	2007	5.0	0.0	1.6	0.2	0.6	0.7
Horn Island	1995	-18.8	-0.1	-11.8	-0.1	-3.2	0.7
Kalgoorlie	1992	6.4	0.2	4.6	0.1	0.8	-0.4
Kalbarri	1998	25.4	-0.1	13.4	-0.1	1.0	0.4
Launceston	2004	0.0	0.6	1.4	0.8	2.2	0.3
Laverton	1997	7.0	1.1	9.2	0.8	1.8	0.2
Learmonth	1994	2.4	0.5	3.0	0.4	1.6	0.4
Longreach	1996	-7.8	-0.1	-4.2	-0.0	-0.6	0.0
Low Head	1997	-7.2	-0.2	-4.6	-0.2	-2.2	0.2
Mackay	1995	-1.0	-0.3	-5.2	-0.4	-2.8	-0.7
Marble Bar	2000	7.6	0.0	5.6	-0.2	0.2	0.0
Marree	1939	17.6	0.3	9.2	0.4	1.0	-0.6
Meekatharra	1996	-8.6	0.2	-2.4	0.0	0.0	-0.5
Melbourne	2001	-1.4	0.3	3.0	-0.5	-1.4	0.9
Merredin	1965	-4.6	0.1	-4.0	0.6	1.8	-0.2
Mildura	2000	7.0	0.7	8.6	0.2	2.6	0.4
Miles	1997	3.2	-0.0	3.6	-0.1	-0.4	0.1
Morawa	1997	8.4	0.0	1.6	-0.1	-0.2	-0.1
Moree	2000	18.0	0.4	11.4	0.1	1.6	0.2
Mt Gambier	2000	1.4	0.0	0.0	0.0	0.4	-1.0
Nhill	2003	4.6	-0.1	-0.4	0.2	0.2	0.4
Normanton	2001	15.6	0.6	15.2	0.5	4.0	0.5
Nowra	2000	2.0	1.1	2.6	1.2	2.8	0.2
Nuriootpa	1996	8.0	0.8	7.4	0.8	1.4	0.6
Oodnadatta	1994	-10.0	-0.0	-5.0	-0.2	-1.4	-0.3
Orbost	1972	-1.0	-0.0	-1.8	0.3	0.2	0.2
Palmerville	1994	1.4	-0.1	-1.4	0.1	2.6	-0.1
Perth	1997	2.6	-0.1	0.2	-0.1	-0.2	0.0
Pt Perpendicular	2001	5.2	0.2	0.2	0.9	2.4	0.8
Port Hedland	1997	-10.4	0.1	-5.4	0.0	0.4	0.3
Port Lincoln	1992	-7.2	0.9	1.4	0.6	3.2	1.0
Port Macquarie	1995	7.8	0.1	6.4	-0.2	0.4	-0.1
Rabbit Flat	1996	-24.0	-0.6	-14.8	-0.8	-5.4	-0.2
Richmond NSW	1997	14.6	-0.1	7.4	-0.2	1.8	-0.1
Robe	1938	-0.8	0.6	1.2	0.9	1.4	0.8
Rockhampton	2000	13.8	0.3	14.2	0.2	2.6	-0.1
Sale	2003	1.2	0.1	1.8	0.2	0.4	0.1
Scone	1990	-3.2	-0.0	-3.2	0.3	-0.6	0.1
St George	1997	-1.8	0.0	1.6	-0.2	-1.2	-0.1
Sydney	2000	5.4	0.6	6.6	0.5	2.2	0.9
Tarcoola	1997	-8.4	0.2	-3.2	-0.0	0.2	-1.1
Thargomindah	1999	5.8	0.1	2.8	0.3	1.6	-0.0
Tibooburra	1980	3.2	0.5	-2.0	0.6	-1.2	0.6
Townsville	1994	2.6	-0.4	-4.2	-0.5	-2.8	-0.6
Vic River Downs	1968	-4.0	-0.3	-4.3	-0.1	0.7	0.2
Wagga Wagga	2001	12.4	0.6	11.0	0.2	2.6	0.8
Walgett	1993	2.4	0.9	5.8	0.7	-0.2	-0.3
Wandering	1998	-2.2	-0.9	-8.8	-0.5	-2.2	-0.3
Weipa	2000	23.2	0.3	20.0	0.2	8.2	-0.0
Williamtown	1999	4.6	0.8	7.0	0.5	3.0	0.2
Wilson's Prom	2000	4.8	0.3	6.0	-0.2	-0.4	-1.6
Woomera	2001	5.8	0.7	9.4	0.4	5.4	-0.1
Wyalong	1988	-1.0	0.0	-1.4	0.4	0.2	0.5
Yamba	1987	10.6	0.2	6.6	0.4	1.6	1.0
Averages	1993	3.5	0.2	2.5	0.1	0.7	0.1
43 same year AWS/small	1998	2.8	0.1	1.9	0.1	0.5	0.0
48 different year AWS/small	1989	4.2	0.2	3.0	0.1	1.0	0.2
Increased frequency		8.2	0.3	6.1	0.2	2.0	0.2
Decreased frequency		-6.6	-0.1	-4.8	-0.0	-1.6	-0.1

* Bold denotes years when the original AWS and a small Stevenson screen were installed simultaneously

91 ACORN AWS stations small screen conversion (extreme temperatures 5 years pre/post comparison)	Small screen installed *	10th percentile frequency change	10th percentile C change	5th percentile frequency change	5th percentile C change	1st percentile frequency change	1st percentile C change
Adelaide	1977	17.0	-0.5	12.4	-0.7	7.4	-0.2
Albany	1998	0.4	0.0	0.0	0.1	-1.8	-0.4
Alice Springs	1998	17.8	-0.1	7.8	-0.1	1.0	0.0
Amberley	1997	-4.0	-0.3	-1.2	-0.3	1.2	0.3
Birdsville	2001	6.4	0.1	1.0	-0.0	-0.4	-0.0
Bourke	1998	13.6	-0.3	12.8	-0.3	7.2	0.5
Bridgetown	1987	-6.8	-0.0	-0.4	0.3	-0.2	0.3
Brisbane	1992	6.8	-0.2	5.0	-0.2	1.8	-0.5
Broome	1939	6.6	-0.2	4.0	-0.1	0.0	0.4
Bundaberg	1997	-2.0	-0.0	-2.4	-0.1	0.6	0.3
Burketown	2001	1.0	-0.3	2.4	-0.5	0.0	-2.4
Butlers Gorge	1989	0.6	-0.1	1.6	-0.1	0.2	0.1
Cabramurra	1996	-21.2	-0.1	-11.4	-0.1	-3.8	0.2
Cairns	2005	-10.2	-0.1	-5.4	0.0	-1.6	0.1
Cape Borda	2002	3.6	-0.1	5.4	0.0	2.0	1.0
Cape Bruny	1991	17.0	-0.3	10.8	-0.3	3.6	1.0
Cape Leeuwin	1978	-0.6	0.2	-3.2	0.1	-3.6	-0.0
Cape Moreton	1995	-7.2	-0.3	-1.2	-0.2	0.8	-0.1
Carnarvon	1997	12.6	-0.4	8.8	-0.5	4.0	-0.6
Ceduna	1999	-10.6	0.0	-4.0	-0.0	-0.6	0.2
Charleville	1999	7.2	-0.2	6.6	-0.0	3.2	0.1
Cobar	1997	3.0	0.2	0.0	0.2	-0.8	0.2
Coffs Harbour	2002	14.4	-0.2	8.0	-0.2	1.6	-0.2
Cunderdin	1996	44.4	-1.1	34.8	-0.9	10.0	
Dalwallinu	1975	1.8	-0.0	1.2	0.1	-0.2	-0.5
Darwin	1941	25.0	-0.4	15.6	-0.5	4.8	-0.5
Deniliquin	1997	2.4	-0.0	2.8	-0.0	-0.2	0.0
Dubbo	1997	2.2	-0.0	2.2	0.0	-0.2	0.1
Eddystone	1997	-19.8	0.1	-10.8	0.2	-3.4	0.2
Esperance	2004	8.8	-0.1	3.4	0.1	0.4	
Eucla	1976	26.0	-0.1	10.8	-0.2	1.8	-0.4
Forrest	1993	-1.4	-0.2	1.2	-0.0	1.0	0.1
Gayndah	2003	0.8	0.4	-2.2	0.1	-0.6	0.2
Georgetown	2004	-9.0	0.4	-5.8	0.6	-2.0	-0.2
Geraldton	1999	17.0	-0.2	10.2	-0.2	3.8	0.1
Giles	2009	-5.0	-0.3	0.2	-0.3	2.8	-0.2
Halls Creek	1996	2.8	-0.2	1.0	0.3	0.0	
Hobart	2007	1.0	-0.1	0.0	-0.2	0.8	-0.1
Horn Island	1995	-10.6	-0.6	2.2	-0.9	5.4	-1.0
Kalgoorlie	1992	-0.2	0.2	-3.6	0.1	-0.8	0.2
Kalbarri	1998	25.8	-0.5	17.6	-0.4	4.2	-0.3
Launceston	2004	-4.2	0.1	-3.4	0.1	-1.4	0.1
Laverton	1997	-3.4	-0.3	2.6	-0.1	1.4	0.1
Learmonth	1994	2.6	-0.2	2.8	-0.2	0.4	-0.1
Longreach	1996	-0.6	-0.5	4.2	-0.2	1.2	-0.1
Low Head	1997	-15.2	0.3	-9.2	0.3	-2.8	0.2
Mackay	1995	-1.2	-0.0	0.0	-0.0	0.0	
Marble Bar	2000	14.4	-0.1	5.8	-0.5	1.4	-0.4
Marree	1939	12.0	0.1	5.8	0.1	-0.8	-0.4
Meekatharra	1996	10.6	-0.1	5.6	-0.2	0.8	-0.3
Melbourne	2001	-1.8	0.2	-3.8	0.0	-0.8	
Merredin	1965	-4.4	-0.0	-3.6	-0.2	1.2	0.4
Mildura	2000	-2.0	-0.0	0.2	0.1	-0.2	0.5
Miles	1997	-4.8	0.1	-2.4	0.2	-2.8	-0.2
Morawa	1997	8.2	-0.2	6.4	0.0	0.6	-0.5
Moree	2000	12.0	-0.4	10.0	-0.1	1.4	-0.1
Mt Gambier	2000	-6.2	-0.1	-2.0	-0.1	-0.2	0.5
Nhill	2003	-12.6	0.6	-12.2	0.6	-7.8	0.3
Normanton	2001	3.0	-0.2	1.2	-0.5	1.6	0.2
Nowra	2000	0.8	0.1	-1.2	0.0	-1.2	-0.4
Nuriootpa	1996	-1.0	-0.1	0.4	0.1	1.0	0.0
Oodnadatta	1994	0.6	-0.1	0.4	-0.1	2.6	0.4
Orbost	1972	-3.2	-0.0	-1.4	-0.0	-0.6	0.0
Palmerville	1994	3.8	-0.6	6.2	-0.4	1.0	0.9
Perth	1997	20.2	-0.6	18.2	-0.4	5.0	-0.4
Pt Perpendicular	2001	-9.8	0.5	-6.4	1.1	-4.8	1.9
Port Hedland	1997	-1.2	-0.2	-0.6	-0.1	0.4	0.1
Port Lincoln	1992	36.4	-0.6	24.0	-0.6	7.0	
Port Macquarie	1995	-13.2	-0.2	-3.4	-0.3	0.8	-0.6
Rabbit Flat	1996	-9.0	0.6	-8.6	0.6	-3.0	-0.5
Richmond NSW	1997	3.8	-0.1	0.6	0.0	0.2	-0.6
Robe	1938	11.4	-0.1	6.2	-0.2	1.2	-0.6
Rockhampton	2000	-0.6	0.3	-1.8	0.2	-1.6	-0.4
Sale	2003	-3.6	0.2	-5.4	-0.0	-0.4	0.1
Scone	1990	-4.2	0.0	-0.8	0.0	-0.2	0.1
St George	1997	18.0	-0.8	13.6	-0.7	5.8	-0.9
Sydney	2000	-5.8	0.2	-5.2	0.1	-1.6	-0.1
Tarcoola	1997	-0.6	-0.3	2.4	-0.3	1.4	
Thargomindah	1999	-1.2	0.3	-3.4	0.0	-1.0	0.2
Tibooburra	1980	-3.8	0.3	-2.8	0.1	3.4	-0.5
Townsville	1994	0.4	0.1	0.6	0.4	-1.0	-0.2
Vic River Downs	1968	-9.7	-0.2	-8.7	-0.1	-1.7	-0.8
Wagga Wagga	2001	6.2	0.0	2.8	-0.1	0.8	0.2
Walgett	1993	22.0	-0.3	20.4	-0.4	5.6	0.0
Wandering	1998	4.0	-0.3	7.0	0.0	0.2	0.1
Weipa	2000	12.4	-0.1	9.0	0.0	1.4	-0.4
Williamtown	1999	7.8	-0.0	5.2	0.0	0.0	-0.2
Wilson's Prom	2000	-1.8	-0.0	0.4	0.2	-1.8	0.1
Woomera	2001	0.6	0.1	-0.2	-0.1	0.4	-0.2
Wyalong	1988	-12.6	0.6	-8.0	0.8	-3.0	-0.1
Yamba	1987	-1.4	0.0	-1.8	0.0	-1.4	-0.3
Averages	1993	2.7	-0.1	2.2	-0.1	0.6	-0.1
43 same year AWS/small	1998	1.9	-0.1	2.2	-0.1	0.6	-0.0
48 different year AWS/small	1989	3.5	-0.1	2.3	-0.1	0.6	-0.1
Increased frequency		10.1	-0.2	6.8	-0.2	2.2	-0.1
Decreased frequency		-5.9	0.0	-4.2	0.1	-1.7	0.0

* Bold denotes years when the original AWS and a small Stevenson screen were installed simultaneously