

This is for Bourke, Jan 1939. In each case the raw temp has been reduced by up to 0.9C in the ACORN data. However, below 30C it has been adjusted upwards. There appears to be no rhyme nor reason for this. Note that the number of days over 40C in the 'raw' data = 17. The heatwave has now been reduced in the ACORN record.

Jan raw	ACORN	
1st	38.9	38.4
2nd	40	39.1
3rd	42.2	41.9
4th	38.1	37.9
5th	38.9	38.4
6th	41.7	41.5
7th	41.7	41.5
8th	43.4	43
9th	46.1	45.7
10th	48.3	47.9
11th	47.2	46.8
12th	46.2	45.8
13th	45.7	45.3
14th	46.1	45.7
15th	47.2	46.8
16th	46.7	46.3
17th	40	39.1
18th	40.1	39.1
19th	40	39.1
20th	41.9	41.7
21st	42.5	42.1
22nd	44.2	43.8
23rd	36.7	36.5
24th	40.3	39.2
25th	36.6	36.5
26th	29.4	29.5
27th	29.3	29.4
28th	28.8	28.9
29th	30.6	30.5
30th	35.6	35.4
31st	38.6	38.3
Highest daily	48.3	47.9
Lowest daily	28.8	28.9
Monthly mean	40.4	40.03
Long-term Jan average Mean=36.3		

Another example was Bourke, Jan 1896. There were 22 consecutive days of 40C+ with a monthly mean of 43C. Now that's a heatwave.