

TABLE 1: These 21 long-record rural sites (out of 112 ACORN sites) have a wide variety of credibility issues in their homogenised data. They are compared briefly with Melbourne R.O. which has a lesser spread and magnitude of issues but in common with other capitals, is controversially “corrected” for UHI effect! (It seems)

	Melbourne RO	Bridgetown	Mildura	Tibooburra	Cairns	Kerang	Albany	Richmond Qld.	Rutherglen	Cape Otway	Robe	Palmerville	Alice Springs	Yamba	Wilsons Prom'	Katanning	Moruya Heads	Gabo Island	Bundaberg	Bathurst	Bourke	Boullia	
	Figure number >>>>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
Step-changes unexplained/in doubt in site history	3	1	3	3	5	5	3	☼	3	1	☉	7	☼	1	☉	2?	☉	1	2	3	3	3	
Step-changes unexplained/in doubt in site history	1	4	6	3	2	☉	4	☼	☉	4	4	1	2?	2	☉	5	☉	2	2	6	2	5	
This feature has great impact on other data	Years of ACORN same as CDO	18	68	41	34	24	15	49	30	41	41	104	9	7	57	57	30	52	34	24	42	13	35
	Years of ACORN same as CDO	24	20	21	34	79	55	15	12	67	41	49	☼	7	57	57	25	52	34	24	42	20	15
Step-changes resulting in net cooling trend	✓			✓				✓													✓		
Step-changes resulting in net cooling trend	✓						✓		?	✓	✓					?						✓	
Step-changes resulting in net warming trend		✓	✓		✓	☉	✓	✓	✓	✓	☉	☉	✓	☉	☉	✓	☉	☉	✓		✓	✓	
Step-changes resulting in net warming trend		✓	✓	✓	✓	☉						☉	✓	☉	☉	?	☉	☉	?	✓	✓		
Large seasonal variations/extremes in step-change	✓	?			2				2			4	☼							1	1	2	
Large seasonal variations/extremes in step-change		4	2+				3	2+		1	?		?			3			3	4	1	1	
Excessive mean corrections in step-changes	?				?							☼										?	
Excessive mean corrections in step-changes		1					☼	☼														?	
Step-change big difference between max & min				✓						?													
Blocks of CDO data 1 day out of phase with ACORN			2																				
Blocks of CDO data 1 day out of phase with ACORN			1						3														
Vague or nil change at site signals a step-change		1	1	1	1			1			☉												
Vague or nil change at site signals a step-change		1	2	1	1			1		2	3	1				1							
ACORN data present online but its CDO basis no!						2						2		2	2		2	2					
Complex issues, see comments at affected Fig #			☼	☼		☼	☼		☼			☼	☼	✓								☼	
Excessively long uniform step-change (>60 years)	✓									✓						✓				✓			
CDO & ACORN anomalously common					✓	✓	✓	?	✓		☼		✓		✓		✓						
Automatic weather station (AWS) introduced			✓		✓		✓		✓	✓		✓	✓		✓			✓	☼			☼	
Number of stations merged under the one name	1	1	2	1	2	1	4?	1	1	1	1	1	3	1	1	1	1	1	1	1	1	2	
Bare monthly cycle in daily data ("Square wave")					☼				☼														
	Figure number >>>>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	

LEGEND: ☉ Null for this feature due other factors ☼ Weird, complicated, you can't be serious, or excessive.
 ✓ Yes ? Subjectively marginal to the author + Additional counts might marginally apply, (subjectively).