Australia grid coverage correction

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The original NASA POWER regional download stopped at 150Â°E. This left 85 land grid centers out of the temperature, corrected precipitation, and land evaporation analyses. We added an eastern column of nine overlapping tiles for each variable and recalculated the results. The prior report and audits document the original run.

Coverage verification

The corrected grid contains 2,218 centers, reaching 153.125Â°E. Each analysis contains every expected center on the 0.5Â° Ã□ 0.625Â° grid within the saved mainland and Tasmania land mask. Coastal cells use center-in-polygon assignment. The grid is an approximation of the coastline.

Updated national results

Measure	Years	NASA POWER Sen slope	BoM Sen slope
Air temperature	1981â□□2025	+0.218 Â°C/decade	+0.244 Â°C/decade
Annual rainfall	2000â□□2025	â□□53.2 mm/decade	+5.2 mm/decade

The separate POWER linear temperature fit is +0.205 Â°C per decade with a 95% HAC interval of +0.102 to +0.307. The POWER rainfall HAC test gives p = 0.024 and BY q = 0.044 across the three national outcomes. All rainfall block bootstrap intervals for two through five years now cross zero.

Updated regional comparisons

Queenslandâ□□s POWER rainfall Sen slope is â□□34.4 mm per decade for 2000â□□2025. The matched 2000â□□2024 comparison gives â□□47.4 for POWER, +40.3 for BoM and +31.7 for IMERG. All three linear intervals cross zero. Tasmaniaâ□□s matched comparison is unchanged.

The siteâ□□s plots and CSV downloads use the corrected data. This correction supersedes the grid coverage and grid-based numerical results in the original report. The previous Roundtable verdict applies to the earlier analysis.