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Credibility of climate predictions revisited

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In a recent study (Koutsoyiannis et al., On the credibility of climate predictions, Hydrological Sciences Journal, 53 (4), 671–684, 2008), the credibility of climate predictions was assessed based on comparisons with long series of observations. Extending this research, which compared the outputs of various climatic models to temperature and precipitation observations from 8 stations around the globe, we test the performance of climate models at over 50 additional stations. Furthermore, we make comparisons at a large sub-continental spatial scale after integrating modelled and observed series.