Earth Systems and Climate Change Hub

National Environmental Science Programme

# ACCESS-CM2 - AMIP realisations
# 24 May 2019

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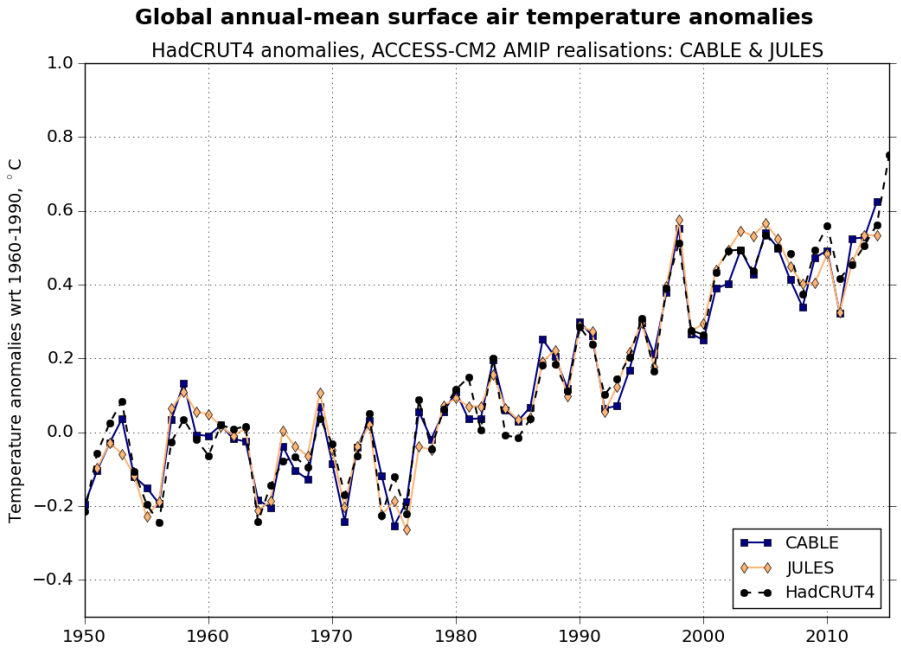
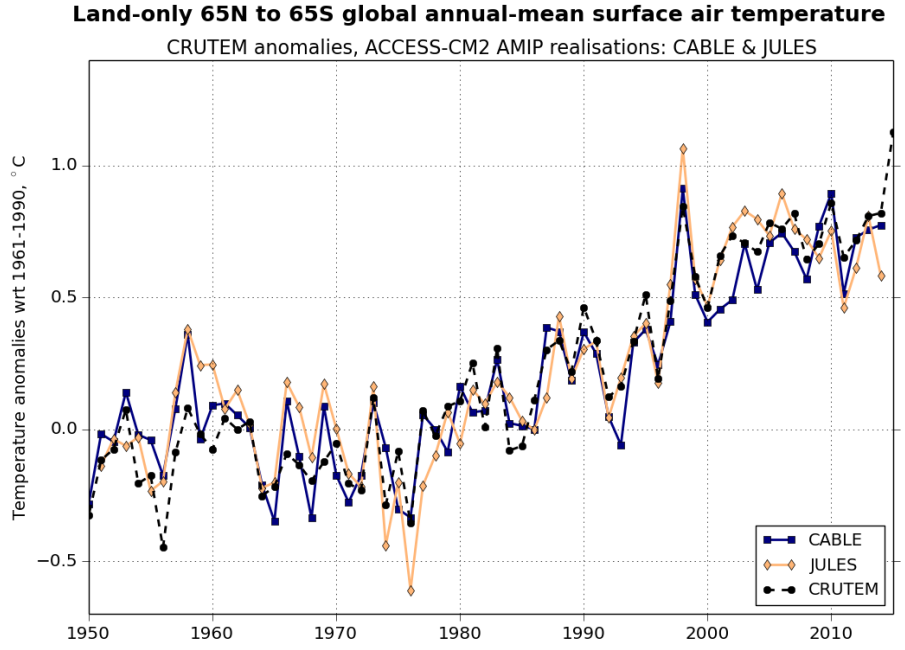
# AMIP Surface air temperature

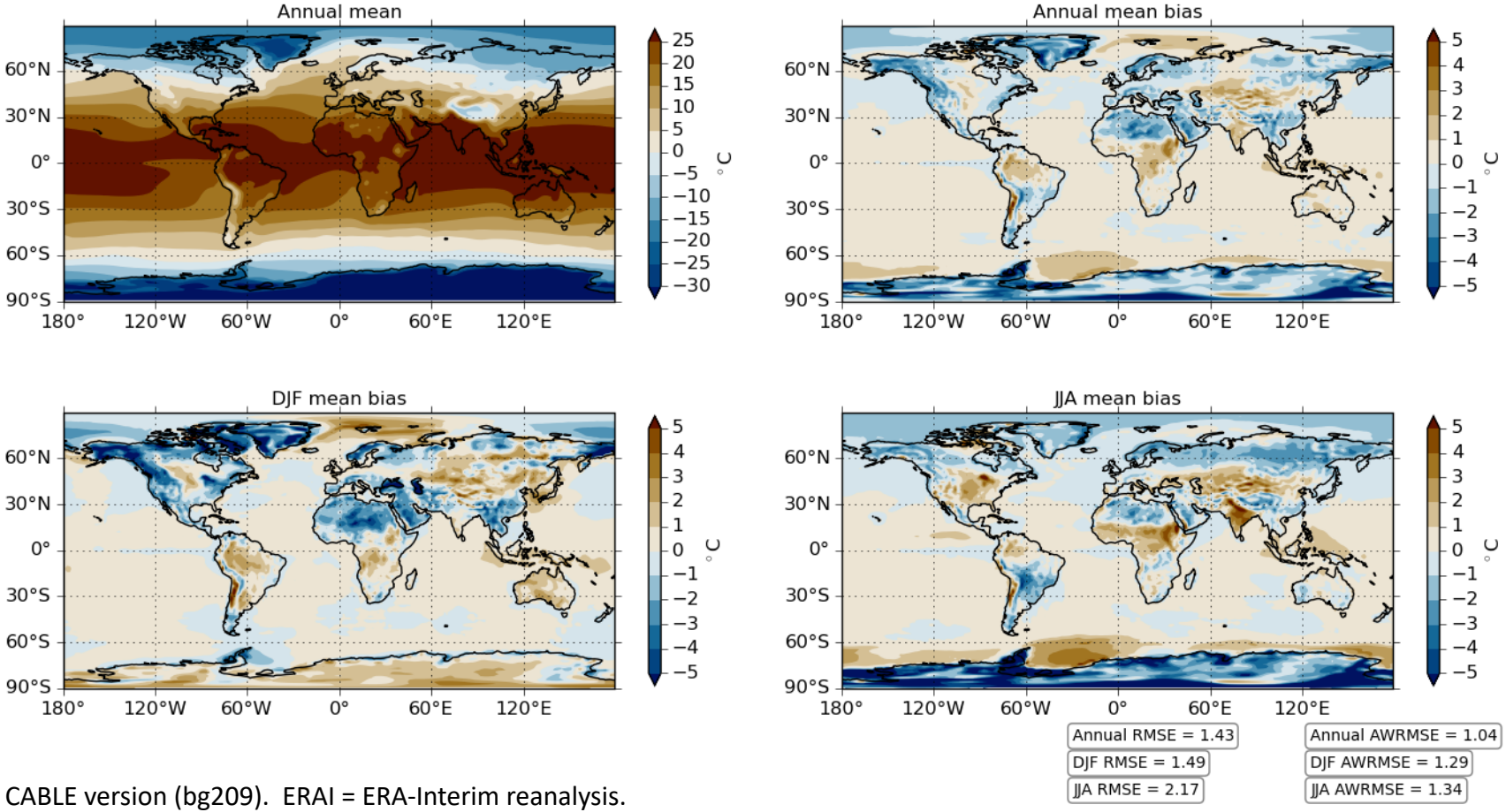



Setup for CMIP6

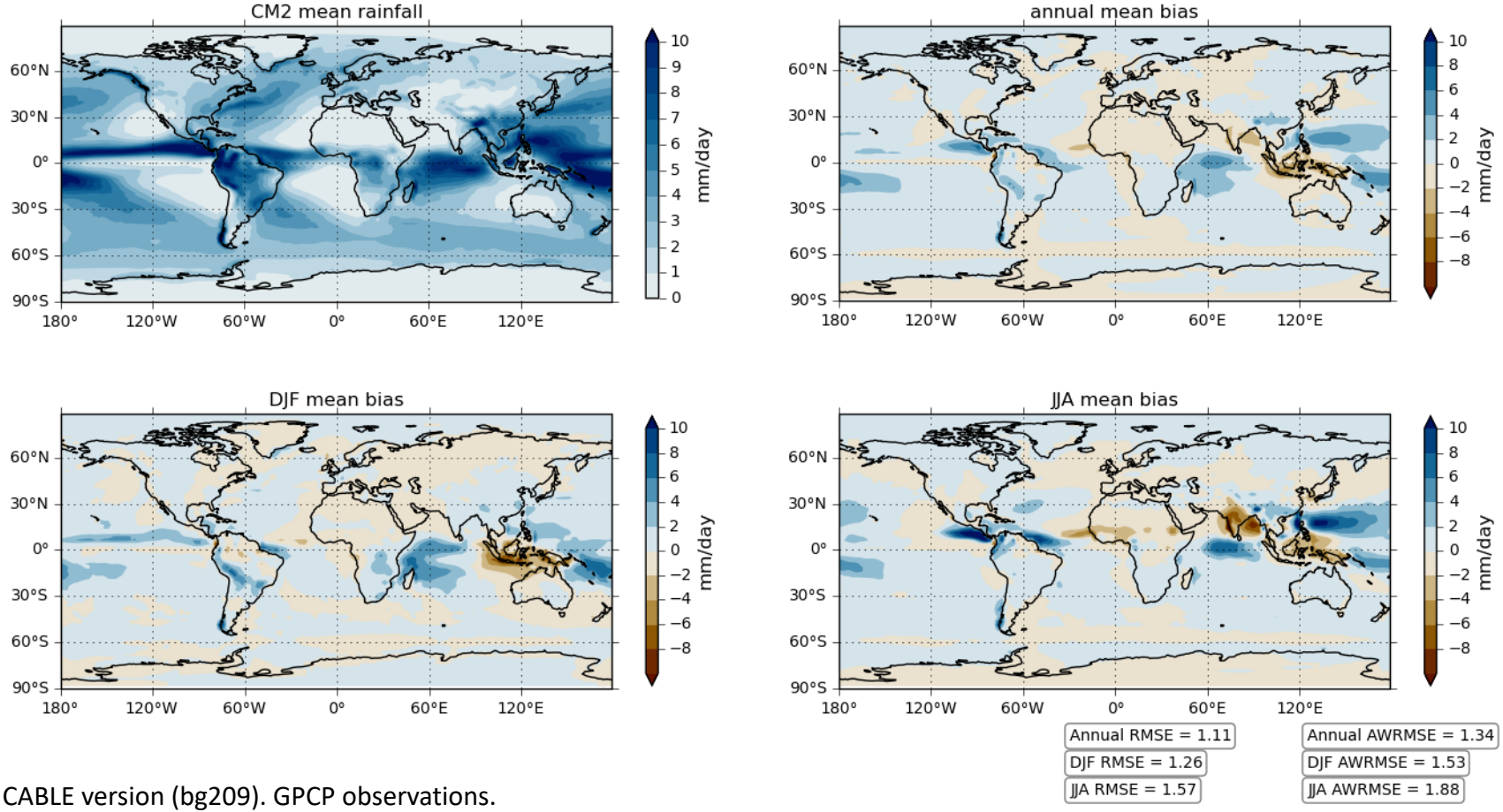
CABLE and JULES versions

# Global-mean temperature seasonal bias, AMIP (CABLE) – ERAI, 1979-2014




CABLE version (bg209). ERAI = ERA-Interim reanalysis.

# Global-mean rainfall seasonal bias, AMIP (CABLE) – GPCP, 1979-2014



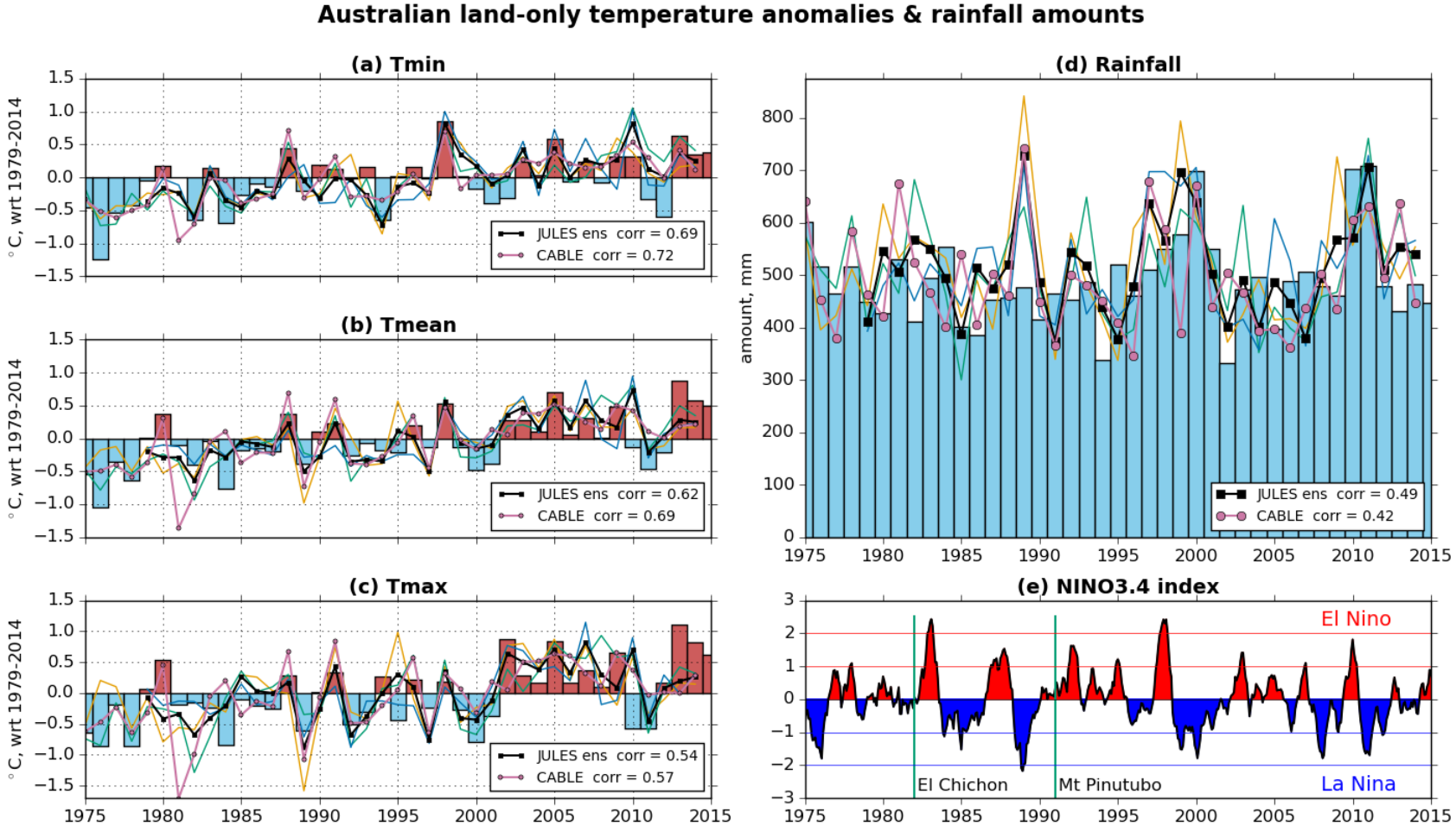

CABLE version (bg209). GPCP observations.

# Temp and Precip: global scale biases

| AMIP AWRMSE bias | | | |
|---|---|---|---|
| | A1.3 | CABLE | JULES ensemble* |
| Temperature (model – ERAI) | | | |
| annual | 1.21 | 1.04 | 1.06 |
| djf | 1.50 | 1.29 | 1.44 |
| jja | 1.44 | 1.34 | 1.33 |
| | | | |
| Precipitation (model – GPCP) | | | |
| annual | 1.26 | 1.34 | 1.23 |
| djf | 1.57 | 1.53 | 1.34 |
| jja | 2.02 | 1.88 | 1.72 |

A1.3, ACCESS1.3
AMIP from CMIP5

* 3 realisations




Bars: AWAP observations. Correlations between AWAP and model annual time series


The End