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What is behind agreement/disagreement:
A distribution of projected changes

Looking at regional averages of temperature change
What is behind agreement/disagreement:
A distribution of projected changes

Looking at regional averages of % precipitation change
Extremes from GCMs

Frost Days

Frost Days change (2041-2060 vs. 1981-2000), under A1B
Extremes from GCMs

Heat Waves Duration

Heat Wave Duration change (2041-2060 vs. 1981-2000), under A1B
Extremes from GCMs

Precipitation Intensity

Map showing precipitation intensity change (2041-2060 vs. 1981-2000) under A1B scenario.
Dry Days

Extremes from GCMs

Dry Days change (2041-2060 vs. 1981-2000), under A1B
Regionally averaged precipitation indices
Global view vs. regional/local focus
Return level curves for four climate extreme variables, estimated on the basis of annual maxima from the period 1950-1999 at a location in Contra Costa county. The four variables are, from left to right, top to bottom, maximum temperature, 3-day average maximum temperature, minimum temperature and 3-day average minimum temperature. Black solid line is curve estimated from observed dataset. Blue line are curves estimated from the 6 downscaled 20C3M simulations downscaled by BCSD, green line are the subset of three simulations downscaled by Analog. Dashed lines are corresponding 95% Confidence intervals.
Return level curves for annual maxima of maximum temperatures (top) and maximum 3-day temperatures (bottom) for BCSD (left) and Analog (right) downscaled datasets. Each panel compares three sets of curves. Black: current climate simulations (20C3M, 1950-1999), Orange SRES B1 (2050-2099), Red SRES A2 (2050-2099). Results for a grid point centered within the Contra Costa county.
Frequency of freezing spells (7 consecutive days or more with minimum temperatures below 0 degrees C) for 58 locations in California representative of the 58 counties. Dots represent observed frequencies over the 50 years 1951-2000 (NCDC coop station data). Black lines indicate the range of 20th Century simulations (1951-2000) across 6 GCMs and 2 downscaling methods. Orange and red lines represent ranges of future frequencies under SRES A2 for, respectively, 2001-2050 and 2051-2100.