

Interactive comment on “300-years of hydrological records and societal responses to droughts and floods on the Pacific coast of Central America” by Alvaro Guevara-Murua et al.

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The PAGES Data Stewardship Integrative Activity seeks to advance best practices for sharing data generated and assembled as part of all PAGES-related activities. As part of this activity, a team of reviewers has been constituted for the “Climate of the Past 2000 years” Special Issue. The data team is reviewing the data handling within each of the CP-Discussion papers in relation to the CP data policy and current best practices. The team has identified essential and recommended additions for each paper, with the goal of achieving a high and consistent level of data stewardship across the 2k Special Issue. We recognize that an additional effort will likely be required to meet the high level of data stewardship envisaged, and we appreciate dedication and contribution of the

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authors. This includes the use of Data Citations (see example in supplement). We ask authors to respond to our comments as part of the regular open interactive discussion. If you have any questions about PAGES Data Stewardship principles, please contact any of us directly.

Best wishes for the success of your paper,

2k Special Issue Data Review Team (Darrell Kaufman, Nerilie Abram, Belen Martrat, Raphael Neukom, Scott St. George) and ex-officio team members (Marie-France Loutre, Lucien von Gunten)

Essential additions for this paper:

(1) Add a "data availability" section that describes where the primary input data (documents and weather station measurements) can be accessed (name and location of the archives), plus the output data from this study (#2 below).

(2) Submit the primary outcome of the data analyses to a public repository and include the Data Citation. This includes: (a) The hydrological index (y-axis value), type (plot symbol), location, year/season for each documented event in Fig 4. (b) The number and the source of information for each event in Fig. 5.

Recommended:

(3) We strongly encourage the authors to archive the meteorological datasets that were used to compare the reconstruction, especially the precipitation anomalies shown in Fig. 6.

Please also note the supplement to this comment:

<http://www.clim-past-discuss.net/cp-2017-30/cp-2017-30-SC1-supplement.pdf>

Interactive comment on Clim. Past Discuss., doi:10.5194/cp-2017-30, 2017.

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