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To: ITRDBFOR@LISTSERV.ARIZONA.EDU
Subject: AZ510: No Correlation
Date: Tue, 27 Apr 1999 11:05:47 -0500
Reply-to: grissino@VALDOSTA.EDU

Steve:

I've had some experience with bristlecone pine on the San Francisco Peaks and you are correct in noting their lack of correlation with precipitation records and with other precipitation sensitive tree-ring chronologies like Slate Mtn. Ponderosa. There is no "problem" with the AZ510 chronology; it is, as suggested by Dave, Connie, and Jim, a chronology constructed from trees whose growth is not primarily limited by precipitation. Site location and tree species are critical when comparing chronologies and evaluating climate - tree growth relationships.

We've collected in the Peaks recently as part of an ongoing archaeological and paleoclimate project and have built a chronology extending back to 663 BC, more than 1200 years longer than the AZ510 chronology collected by Don Graybill in the early 1980's. We're working on a temperature reconstruction from this chronology that should prove to be a valuable addition to the already extensive archive of southwestern USA paleoenvironmental research.

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