From: "Malcolm Hughes" <mhughes@ltrr.arizona.edu> To: Keith Briffa <k.briffa@uea.ac.uk>, "Malcolm Hughes" <mhughes@ltrr.arizona.edu>, Tim Osborn <t.osborn@uea.ac.uk>, "Michael E. Mann" <mann@virginia.edu> Subject: Re: J. Climate paper - in confidence Date: Tue, 20 Jan 2004 10:27:09 -0700 Cc: Scott Rutherford <srutherford@rwu.edu>, mann@virginia.edu Mike - you are right that we should probably leave the network uncahnged for this mss. In fact, however, as Keith indicated, the Vaganov data probably retained a fair amount of low frequency because of the use of the corridor method (i.e. were not "heavily standardized"). CHeers, Malcolm On 20 Jan 2004 at 7:58, Michael E. Mann wrote: > Thanks Keith, > I agree w/ this--I think the Vaganov chronologies were pretty heavily > standardized, and the other issues you raise are important. In the > future, we would (and will) be a bit more circumspect about the use of > some of these data. > In the present case, however, I think we are forced to use the exact > same network. > Re, the omission of some results. I think we can probably keep them. > Simply by cleaning up the text, removing redundancy, etc. I've > shortened and tightened the manuscript considerably, and I think I've > improved the logical flow a bit in the process. So my feeling is that > we will not have to split this up, but I'll leave this to all of you > to decide after you see the revised draft from Scott and me... > Thanks, > > mike > > At 09:45 AM 1/20/2004 +0000, Keith Briffa wrote: Malcolm seems to have done a good job sorting out these > > constituent sets , and I don't have anything to add other than > agreeing that as a general principal , where possible, original chronologies should be used in preference to reconstructed > temperature series (the latter having been already optimized > using simple or multiple regression to fit the target temperature > series). This applies not only to our western US reconstructions > (which it should be stressed are based on very flexible curve > fitting in the standardisation - and inevitably can show little > > variance on time scales longer than a decade or so) but also to > the Tornetrask and Polar Urals reconstructions (each of which was > based on ring width and density data , but standardised to try to preserve centennial variability - though the density series had by > far the largest regression coefficients). There is though a > > question regarding the PCs of the Siberian network (presumably > provided by Eugene?) . The correlation between density and ring > width can get high in central and eastern parts of the network , > so even though these are different variables , it might not be > strictly true to think of them as truly independent > (statistically) of the density chronologies we use from the > Schweingruber network (there may also be a standardisation issue > here , as the density chronologies were standardised with > Hugershoff functions for our initial network work (as reported in > the Holocene Special Issue) whereas your PC amplitudes may be > based on "Corridor Standardisation" - which likely preserves less > low frequency?) . These remarks are simply for clarification and > discussion , and I too will wait on your response draft , though I > would throw in the pot the fact that omitting the time dependent stuff would simplify the message at his stage. cheers Keith > > At 01:42 PM 1/19/04 -0700, Malcolm Hughes wrote: > Mike - there are the following density data in that set: > 1) 20 Schweingruber/Frttss series from the ITRDB (those that >

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                                          burtonsys.com/FOIA/2009/FOIA/mail/1074612429.txt
      met the criteria described in the Mann et al 2000 EI paper)
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       2) Northern Fennoscandia reconstruction (from Keith)
>
       3) Northern Urals reconstruction (from Keith)
>
      4) 1 density series for China (Hughes data) and one from India
>
       (also Hughes data) - neither included in Keith's data set, I
>
      think. 5) To my great surprise I find that you used the Briffa
>
      gridded temperature reconstruction from W. N. America
>
>
       (mis-attributed to Fritts and Shao) - of course I should have
>
      picked up on this 6 years ago when reading the proofs of the
>
      Nature sup mat. It was my understanding that we had decided not to
      use these reconstructions, as the data on which they were based
>
      were in the ITRDB, and had been subject to that screening process.
>
      So depending on whether you used the long or the shorter versions
>
      of these, there will have been a considerable number of density
>
      series included , some of them twice. It means that there is
>
       considerably more overlap between the two data sets, in North
>
      America, than I have been telling people. I stand corrected.
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