

folding transition states: success and failure hinge on the degree of frustration. *Proc. Natl Acad. Sci. USA* **97**, 634–639 (2000).

29. Bramson, H. N., Thomas, N. E. & Kaiser, E. T. The use of *N*-methylated peptides and depsiptides to probe the binding of heptapeptide substrates to cAMP-dependent protein kinase. *J. Biol. Chem.* **260**, 5452–5457 (1985).
30. Grubele, M., Sabelko, J., Ballew, R. & Ervin, J. Laser temperature jump induced protein refolding. *Acc. Chem. Res.* **31**, 699–707 (1998).

Supplementary Information accompanies the paper on www.nature.com/nature.

Acknowledgements We thank S. You, J. Blankenship and R. Balambika for discussions. We acknowledge financial support from the NIH, The Skaggs Institute for Chemical Biology, the Lita Annenberg Hazen Foundation and the Norton B. Gilula Fellowship (to S.D.). M.G. and H.N. were supported by a grant from the NSF P.E.D. was supported by the NIH and the Alfred P. Sloan Foundation.

Competing interests statement The authors declare that they have no competing financial interests.

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corrigendum

Global-scale temperature patterns and climate forcing over the past six centuries

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Nature **392**, 779–787 (1998).

It has been drawn to our attention (S. McIntyre and R. McKittrick) that the listing of the ‘proxy’ data set in the Supplementary Information published with this Article contained several errors. In Table 1 we provide a list of the records that were either mistakenly included in the Supplementary Information, or mistakenly left out. A small number of other corrections of the original listing include (see Table 1) corrections of the citations originally provided, or corrections of the start years for certain series.

The full, corrected listing of the data is supplied as Supplementary Information to this corrigendum. Also provided as Supplementary Information are a documented archive of the complete data (instrumental and ‘proxy’ climate series) used in our original

Table 1 Errors in ‘proxy’ data set listing in ref. 1

Series (34) listed in original Supplementary Information but not used in ref. 1.*

FRAN003; ITAL015 and ITAL015X; SPAI026 and SPAI047; NEWZ056; ARGE030, ARGE060 and ARGE065; CHIL015, CHIL016, CHIL017 and CHIL018; AK006 and AK006X; CA070; CANA053, CANA053X, CANA096, CANA096X, CANA099, CANA106 and CANA110; WA019, WA025, WA027, WA033, WA039, WA041, WA071, WA074, WA086, WA088 and WA091; VAGANOV55

Series (2) used in ref. 1 but not listed in original Supplementary Information

Unpublished Southwest US/Mexico Density series (D. W. Stahle, personal communication)

Unpublished Southwest US/Mexico Latewood Width series (D. W. Stahle, personal communication)

Additional minor corrections

(1) The Central England and Central European temperature records used by ref. 1 were the summer season versions of these series as used by ref. 2.

(2) The ‘long instrumental’ series used in ref. 1 are station temperature and precipitation station data from the NOAA Climate Data centre gridded at 5° latitude/longitude resolution.

(3) The start year for the ‘Central Europe’ series of ref. 1 is AD 1525.

(4) The ‘Western North America Dendro density’ series used in ref. 1 should properly be attributed to ref. 3.

(5) The Stahle *et al.* Southwestern/Mexico late wood width and maximum density data used in ref. 1 should properly be attributed to ref. 4 (the formal reference was not available at the time of ref. 1), or, in two cases, unpublished data (D. W. Stahle, personal communication).

(6) For one of the 12 ‘Northern Treeline’ records of Jacoby *et al.* used in ref. 1 (the ‘St Anne River’ series), the values used for AD 1400–03 were equal to the value for the first available year (AD 1404).

* These series, all of which come from the International Tree Ring Data Bank (ITRDB), met all the tests used for screening of the ITRDB data used in ref. 1 (see ref. 5), except one—namely, that in 1997, either it could not be ascertained by the authors how these series had been standardized by the original contributors, or it was known that the series had been aggressively standardized, removing multidecadal to century-scale fluctuations.

study, and an expanded description of the methodological details of our original study.

None of these errors affect our previously published results¹. □

- Mann, M. E., Bradley, R. S. & Hughes, M. K. Global-scale temperature patterns and climate forcing over the past six centuries. *Nature* **392**, 779–787 (1998).
- Bradley, R. S. & Jones, P. D. “Little ice age” summer temperature variations: their nature and relevance to recent global warming trends. *The Holocene* **3**, 367–376 (1993).
- Briffa, K. R. *et al.* Fennoscandian summers from AD500: temperature changes on short and long timescales. *Clim. Dyn.* **7**, 111–119 (1992).
- Stahle, D. W. *et al.* Experimental dendroclimatic reconstruction of the Southern Oscillation. *Bull. Am. Meteorol. Soc.* **79**, 2137–2152 (1998).
- Mann, M. E. *et al.* Global temperature patterns in past centuries: An interactive presentation. *Earth Inter.* **4-4**, 1–29 (2000).

Supplementary Information accompanies this corrigendum on www.nature.com/nature.