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www.clim-past-discuss.net/11/C2255/2015/

Climate of the Past Discussions

Interactive comment on "Significant recent warming over the northern Tibetan Plateau from ice core δ^{18}O records" *by* W. An et al.

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The revised manuscript and supplementary materials for the paper "SigniiňĄcant recent warming over the northern Tibetan Plateau from ice core δ18O records" (CP-2015-69) by W. An et al. " are in the attached zip file.

Please also note the supplement to this comment:
http://www.clim-past-discuss.net/11/C2255/2015/cpd-11-C2255-2015-supplement.zip

Interactive comment on Clim. Past Discuss., 11, 2701, 2015.

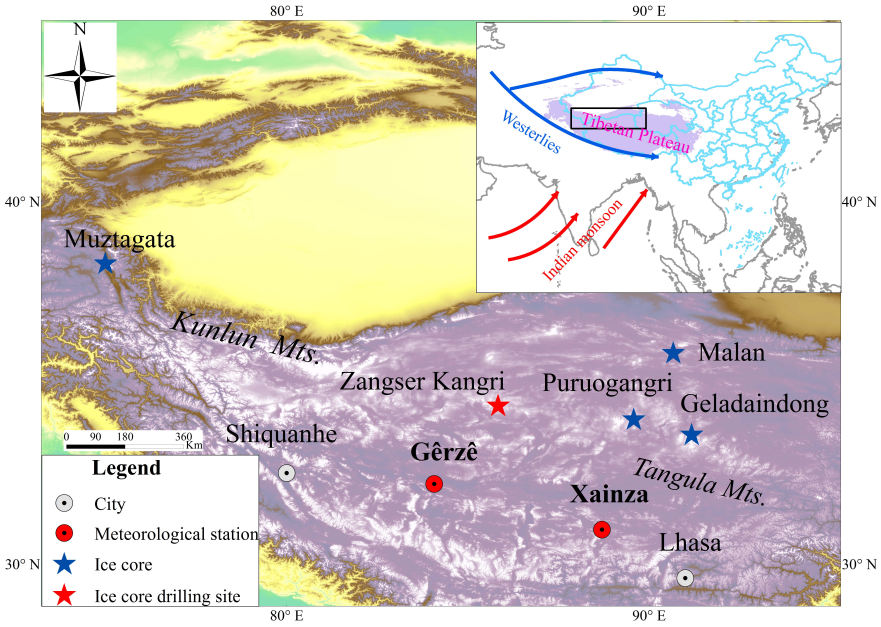

Fig. 1. Location of the ice core drilling site of ZK, two nearby meteorological station sites, and the location of other ice cores described in the text: Muztagata (Tian et al., 2006), Puruogangri (Yao et al

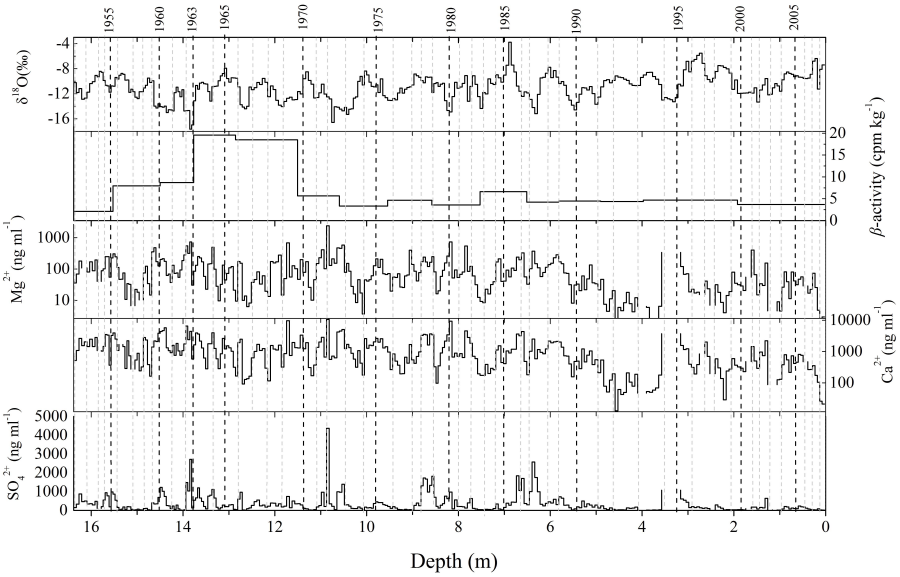

Fig. 2. Variations of δ18O in the ZK ice core and other data used for dating, including beta activity and major ion concentrations. We calculated the logarithm to the base 10 for the concentrations of the Ca2

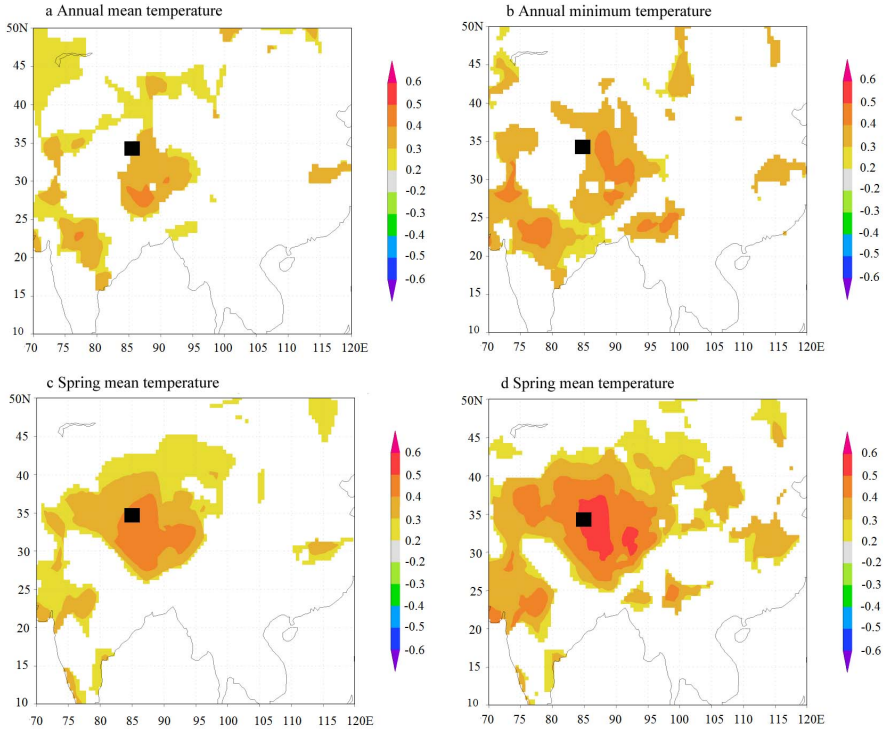

Fig. 3. Spatial correlations of ZK ice core δ18O record with CRU-gridded (Mitchell and Jones, 2005) annual mean temperature (a), annual minimum temperature (b), spring mean temperature (c), and spring minim

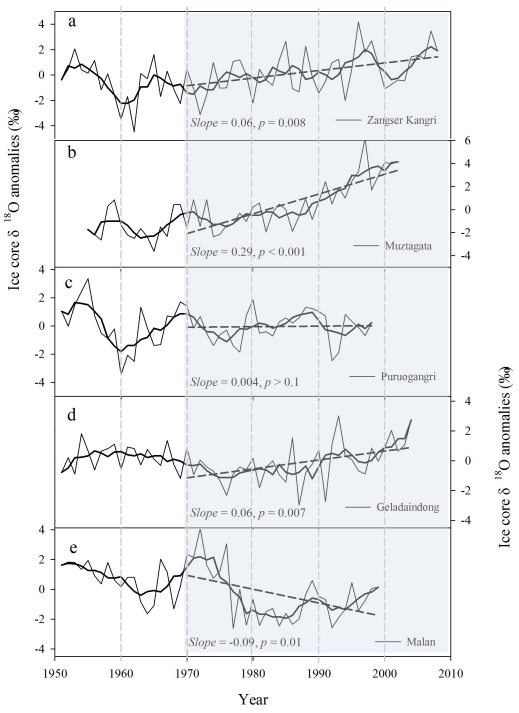

Fig. 4. Comparison of the anomalies of δ18O records in the ZK ice core (a) with δ18O records from Muztagata (b), Puruogangri (c), Geladaindong (d) and Malan ice cores (e). Thin lines represent annual values,

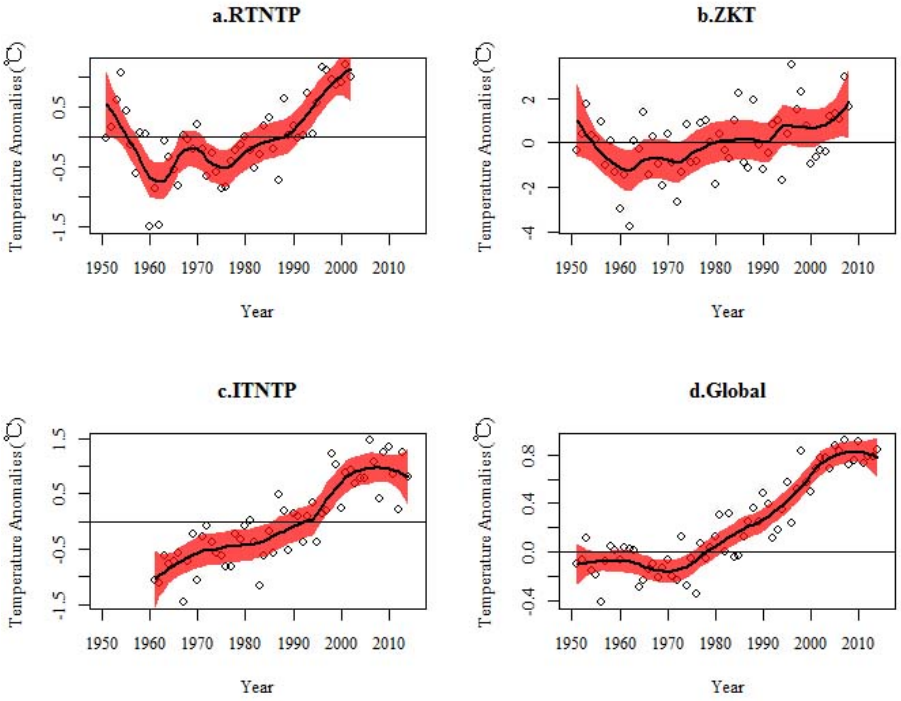

Fig. 5. The reconstructed regional temperature series for northern Tibetan Plateau (RTNTP) from ZK, Muztagata, Puruogangri and Geladaindong ice core ïÁd'18O records (a), the reconstructed temperature series from

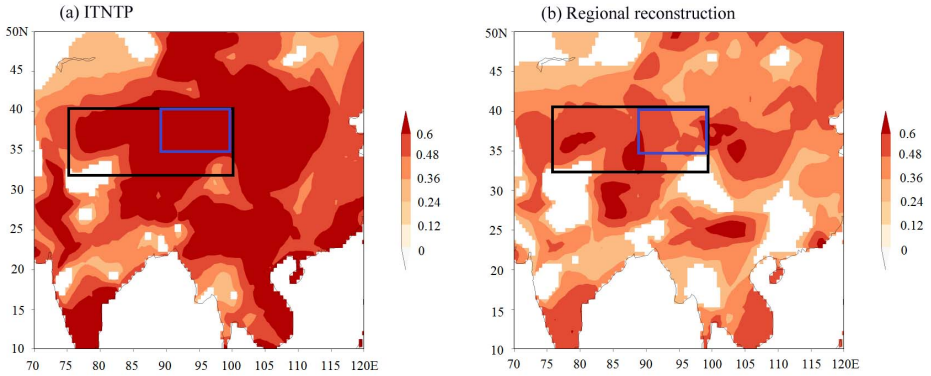

Fig. 6. Spatial correlations (r values in color, p < 0.01) between the gridded annual mean temperature data (the CRU 4 temperature time series, 0.5° × 0.5° resolution, Mitchell and Jones, 2005) and the instru

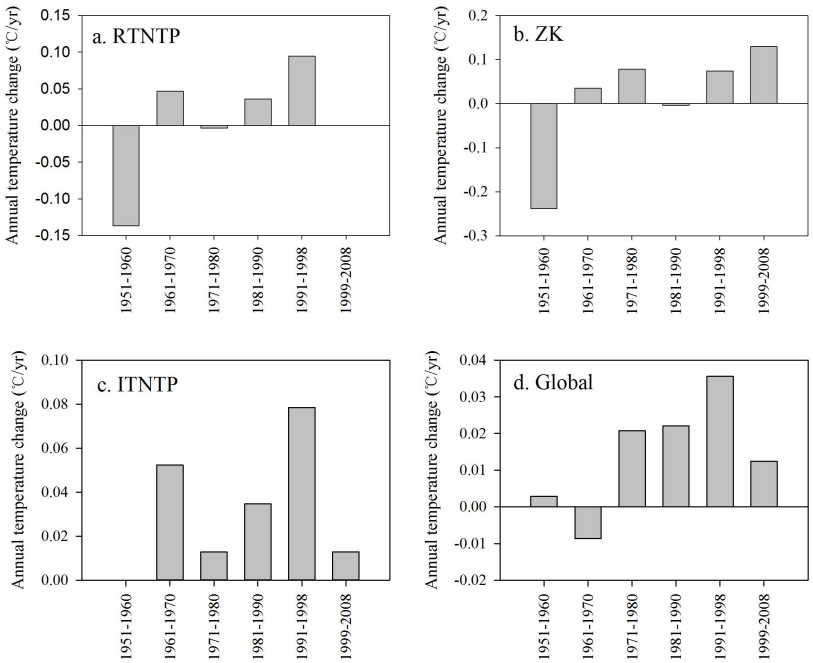

Fig. 7. Decadal mean annual change rates for the regional temperature reconstruction series for northern TP (RTNTP) (a), the temperature reconstruction from ZK ice core ïĄđ'18O record (ZK) (b), the instrumental