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Supplement of

Significant recent warming over the northern Tibetan Plateau from ice core $\delta^{18}\text{O}$ records

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Figure S1. Variations in the percentage of regional precipitation during summer season (a, from June to August) and winter season (b, from December to February) from 1961 to 2008. The regional precipitation was calculated as the average of precipitation data from closest Gêrzê and Xainza stations. The dashed line indicate the linear regression result.

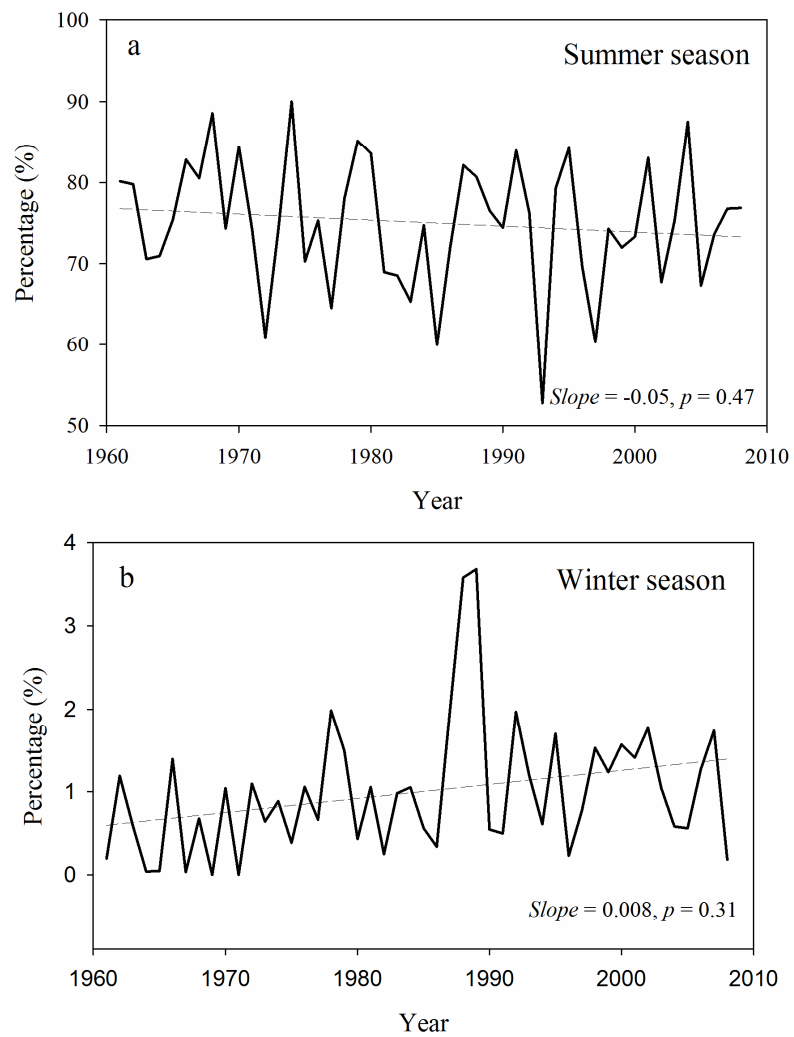


Figure S2. The regional ice core $\delta^{18}\text{O}$ time series averaged from three ice cores (including ZK, Muztagata and Puruogangri) without Geladaindong, and from four ice cores with Geladaindong. The shadowed area indicates the dispersion around the regional average series from the standard deviation of the individual ice core $\delta^{18}\text{O}$ records.

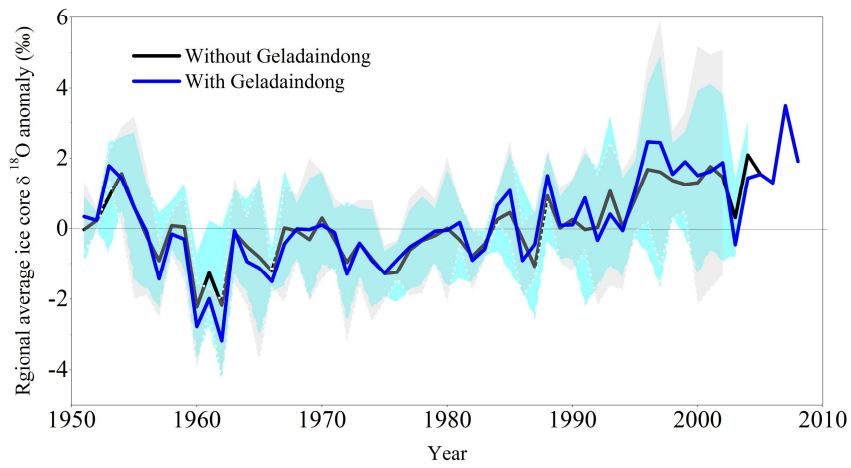


Figure S3. Decadal instrumental temperature trends as a function of elevation of the northern TP over the period 1961 - 2014 (a), and 1970 - 2014 (b).

