Supplement of

Apparent discrepancy of Tibetan ice core δ^{18}O records may be attributed to misinterpretation of chronology

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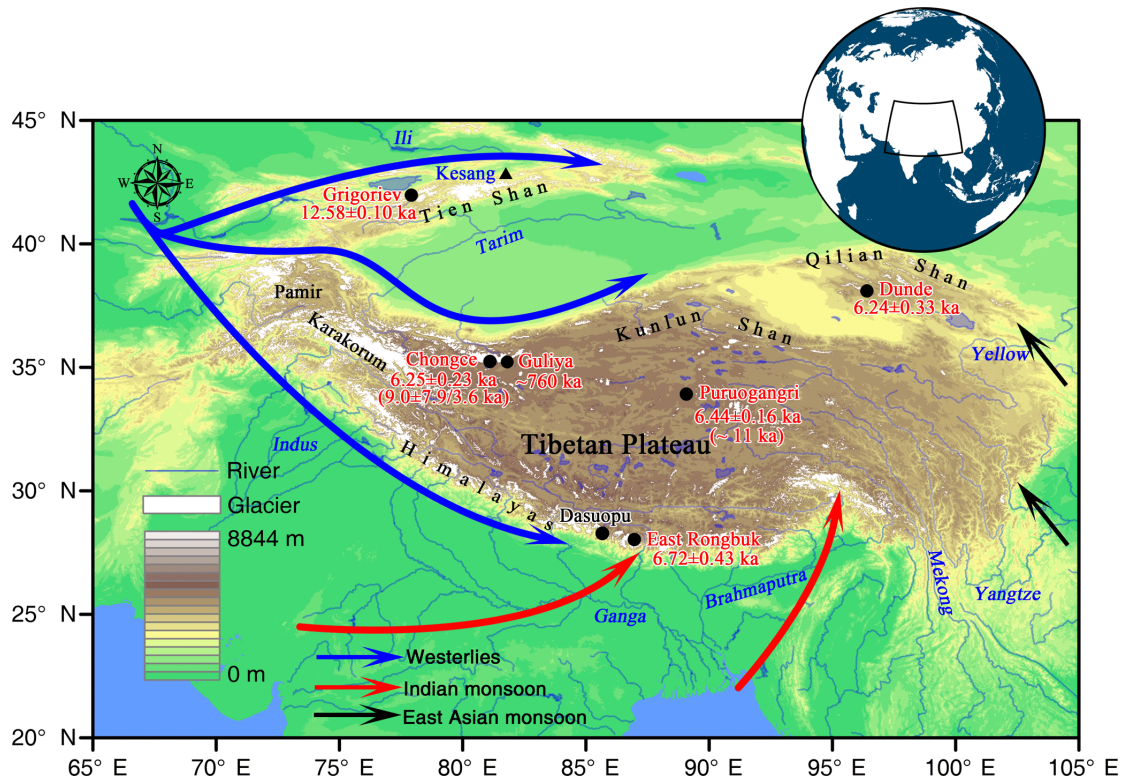
Figure S1. Map showing the locations of ice core drilling sites. The numbers for each

site except Guliya are the measured oldest ^{14}C ages, while the number inside the

bracket below the Chongce site is the estimated ice age at the ice-bedrock contact

(Hou et al., 2018). Data of glaciers are from the Global Land Ice Measurements from

Space (GLIMS). The topographic data were extracted using ETOPO1 elevations

global data.
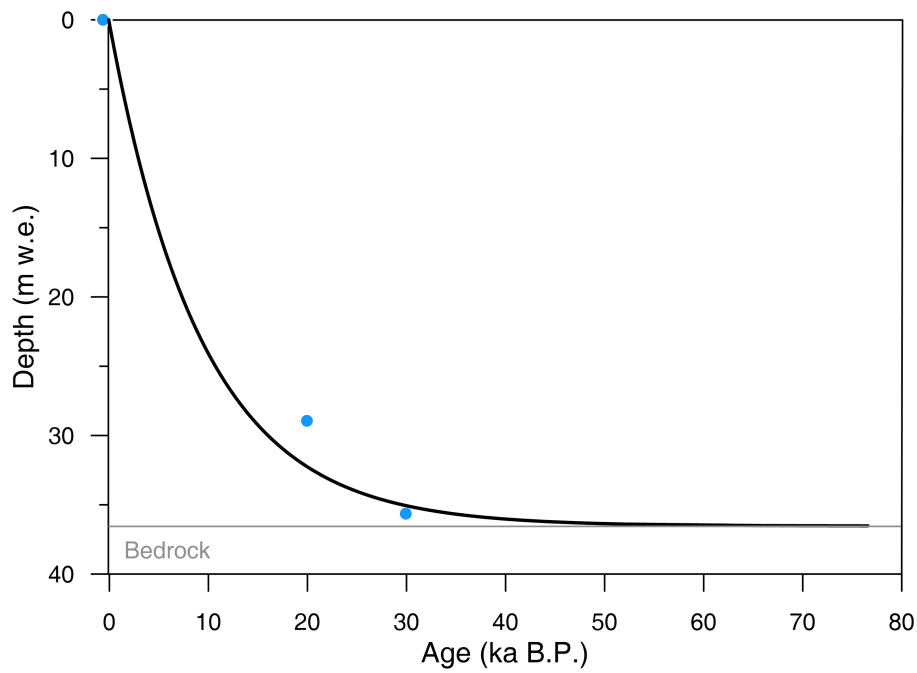
Figure S2. The depth–age relationship of the 2015 Guliya summit core. The

confidence interval of the 2p model fit cannot be achieved due to lack of data. The

depth in m w. e. (water equivalent) was calculated from the density profile of the

20   Guliya summit core (Kutuzov et al., 2018).