

Supplementary Figure 2: U<sup>K</sup><sub>37</sub> SST records of GIK16160-3 and MD79257 [Bard et al., 1997] versus age. The original <sup>14</sup>C dates of MD79257 was recalibrated based on Marine09 [Reimer et al., 2009] and calender age model were then obtained by polynomial fitting (the 5th order as this was used in the Bard et al., 1997). We also have recalibrated the SST records of MD79257 using Sonzongi et al., [1997] with a slope of 0.023 to be consistent with SST calibration for GIK16160-3. Two records show remarkable similarity for both SST mangtidue and rapid changes in the timing of deglaical.