Supplemental Informations

Here, we would like to add two supplemental figures for the submitted manuscript, Koseki et al.

Figure S1.
Depth-longitude section of climatological ocean temperature in March averaged between 9°N and 12°N for (a) ORAS5 reanalysis and (b) ROMp, and (c) ROMf, respectively. The gray contour denotes the ocean temperature of 20°C, a proxy for the thermocline depth.
Figure S2.
Lag-correlation plots between March Dakar Index (SST over 9°N-14°N and 21°W-17°W) and ocean temperature at 41m depth in ROMp from March to May. Dots denote no significance of correlation. The red circle and arrow are the highest correlation and indication of westward propagation by eye.