Supplementary figures

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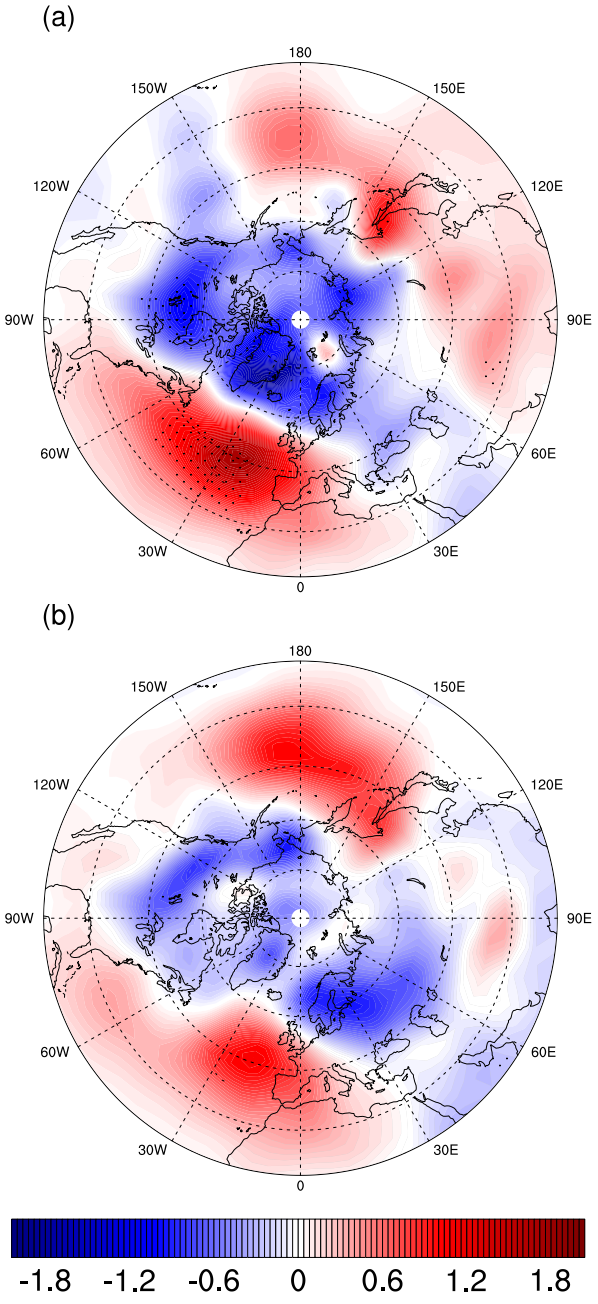

Figure S1. Anomalies in boreal winter sea level pressure (a) COSMOS-3eq35 – COSMOS-icebath, and (b) COSMOS-3eq35 – COSMOS-2eq for the time window of 800-900th model year. Units: hPa.

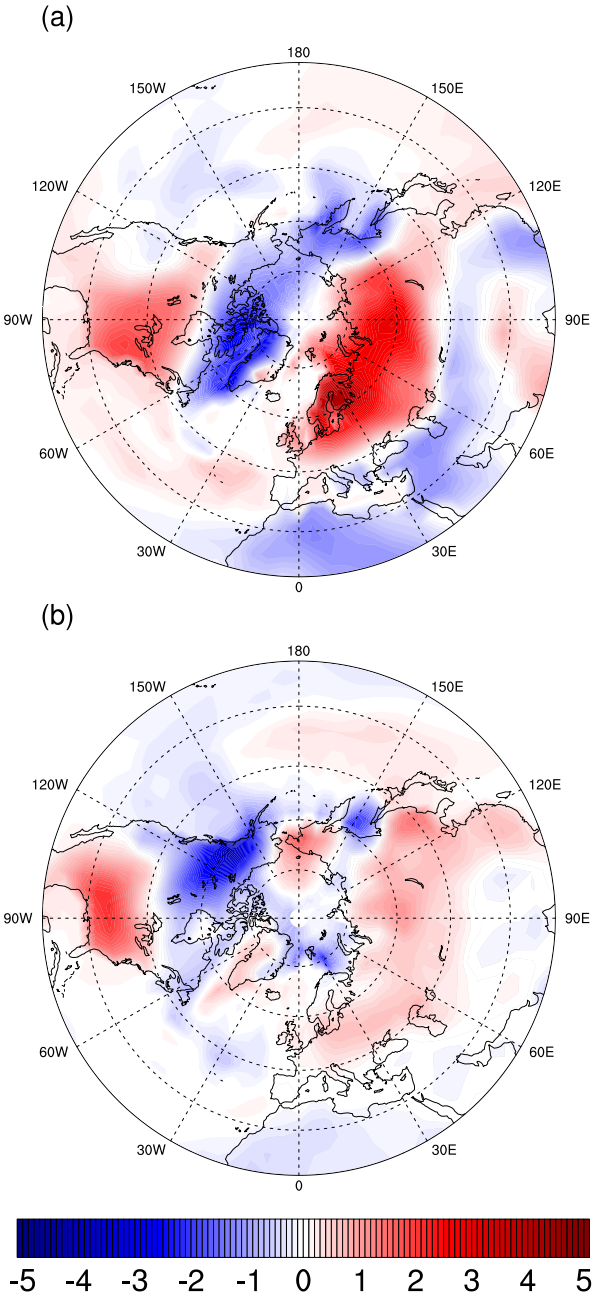

Figure S2. (a) Composite map of surface air temperature and NAO index for COSMOS-3eq35. It is calculated by averaging surface air temperature anomalies (depature from the annual mean state) during years when the NAO index exceeds one standard deviation. (b) Same in (a), but for the the North Pacific (NP) index. Units are K.

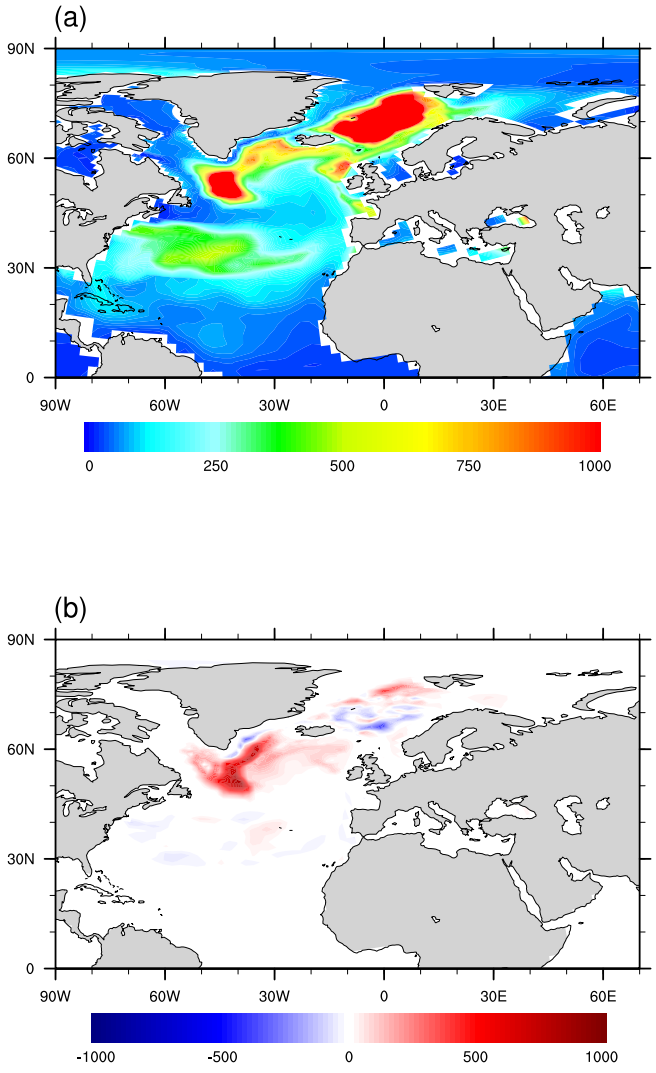

Figure S3. (a) Distribution of March mixed layer depth in COSMOS-3eq35. (b) Composite map of mixed layer depth and NAO index for COSMOS-3eq35. It is calculated by averaging March mixed layer depth anomalies (depature from the mean state) during years when the NAO index exceeds one standard deviation. Units are m.