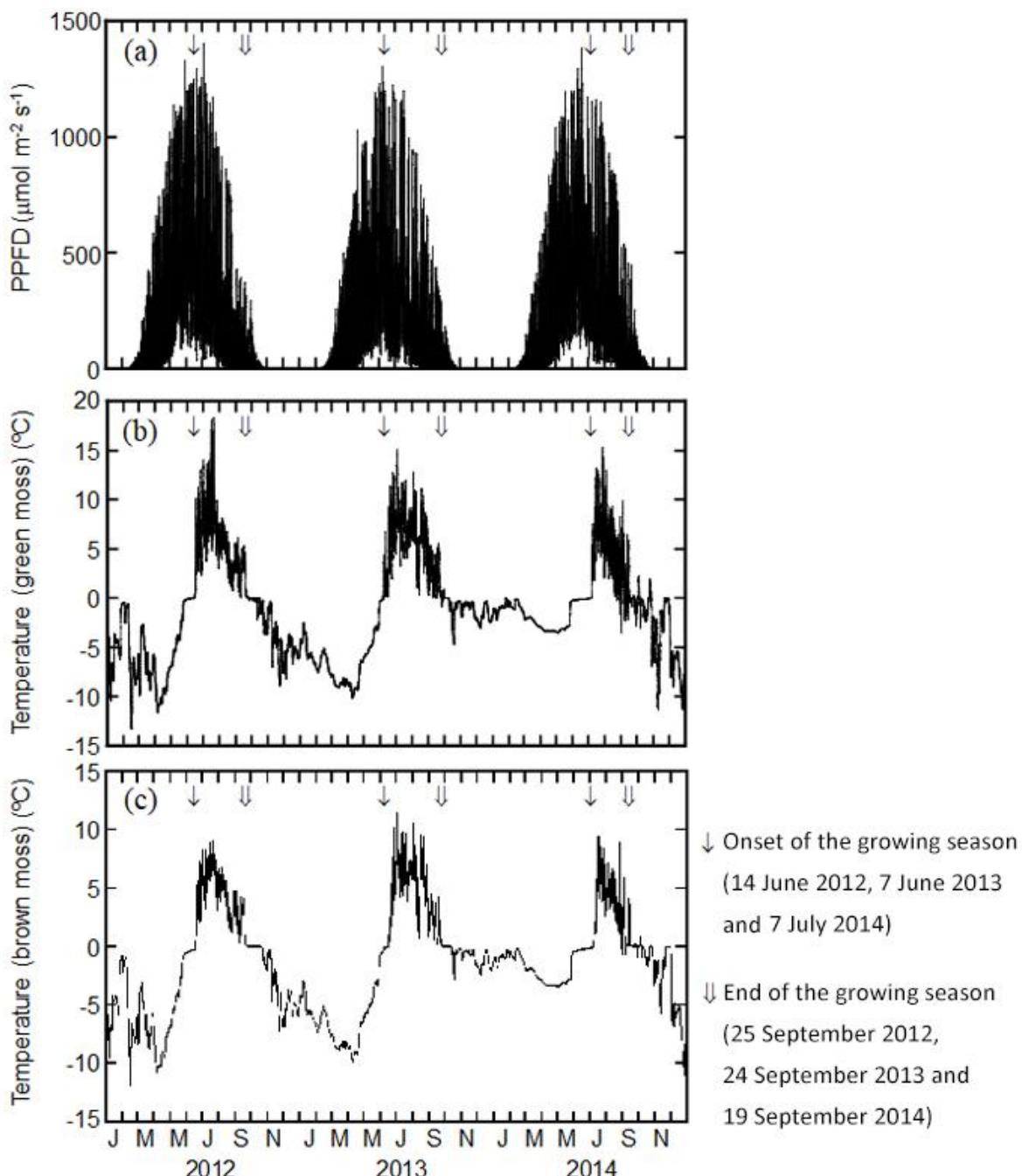


**Supplementary material for:** Nakatsubo T., Hirota M., Kishimoto-Mo A.W., Oura N. & Uchida M. 2023. Carbon exchange and primary production in a High-Arctic peatland in Svalbard. *Polar Research* 42. Correspondence: Takayuki Nakatsubo; Graduate School of Integrated Sciences for Life, Hiroshima University, Higashi-Hiroshima, 739-8521, Japan. E-mail: kuyakat@hiroshima-u.ac.jp



Supplementary Fig. S1. Environmental conditions from 2012 to 2014. (a) Hourly incident PPFD; (b) hourly temperature of the green moss layer (2 cm below the moss surface); and (c) hourly temperature of the brown moss layer (5 cm below the moss surface).