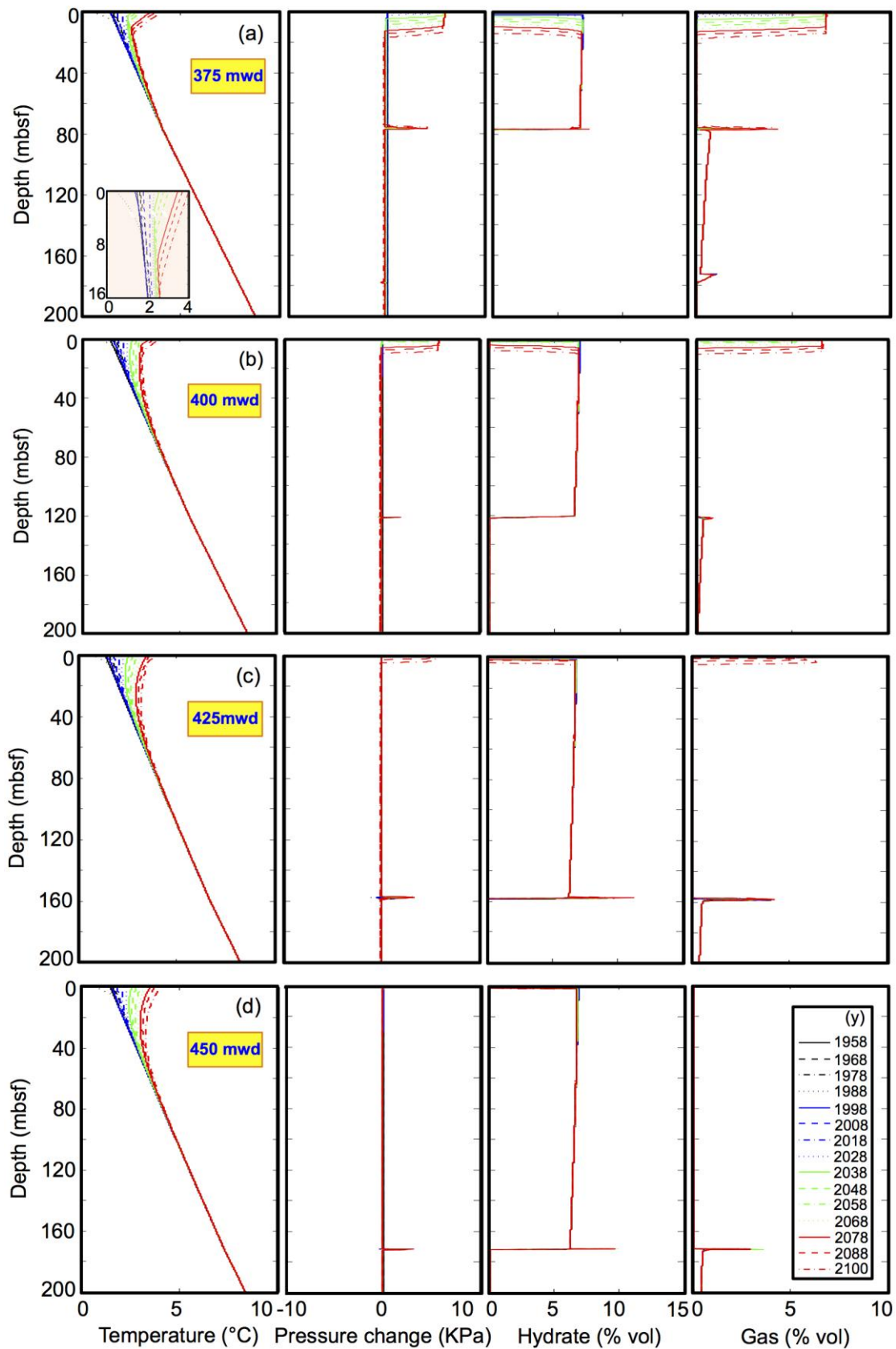


Supplementary file for: Marín-Moreno H., Giustiniani M. & Tinivella U. 2015. The potential response of the hydrate reservoir in the South Shetland Margin, Antarctic Peninsula, to ocean warming over the 21st century. *Polar Research* 34. Correspondence: Héctor Marín-Moreno, National Oceanography Centre, European Way, SO14 3ZH, Southampton, UK. E-mail: hector.marin.moreno@noc.ac.uk



Supplementary Fig. S1. Results from the uniform distribution model for a rate of future seabed warming of $0.023^{\circ}\text{C y}^{-1}$. Variations in temperature, pressure change (considered as the positive or

negative increment in pore water pressure with respect to the initial hydrostatic), hydrate and gas saturations with time and water depth (mwd).