

Author's response on the comments by Anonymous Referee # 1 on

“Tree water relations trigger monoterpene emissions from Scots pine stem during spring recovery” by A. Vanhatalo et al.

We thank Referee #1 for relevant comments and response to them below.

P7787 lines 1 and 26, does “temperature” refer to ambient temperatures?

Response: On line 1 (and figure 1), temperature refers to ambient air temperature. On line 26, the temperature normalization was conducted using air temperature measured inside the stem enclosure. We will edit the sentences: “The ambient temperature, snow depth...” and “The stem CO₂ efflux was temperature-normalised using the temperatures measured inside the enclosure to study...”

P7787 lines 10 -14, What is the approximate age of the tree and the shoots being measured?

Response: The tree is about 50 years old and the shoot chamber enclosed shoot growth of two to three years, in length 10–15 cm.

Figure 4 line width is difficult to see relative to the other figures.

Response: We will edit the figure 4 to make it more readable.