

Author response

1. Considering the title name I now have added "the Arctic" before winter, as suggested.
2. I now have put the coefficients to the reference function, and sample means and standard deviation (used for normalization) in Appendix B, and also reference these tables now in section 4.6
3. Changed the WMO reference to the suggested
4. Made small changes to 4.1, where I now reference the Buehler to "ARTS", and source code to pyARTS is now referenced in a code availability section