





P2L56: please correct me if I am wrong, but wasn't the study by Marks et al. (2015) focused on Antarctic snow rather than sea ice? Do you mean Marks and King (2013) instead?

Fixed - well spotted thank you.

P4L100: close brackets

Fixed.

P4L113: affecting

Fixed.

P4L125-129: This should go into the introduction to introduce typical roughness of sea ice. And in the Methods, only explain the choice of roughness parameters and reference the Tucker et al. (2013) study.

Done.

P5L134: please consistently name it PlanarRad

All instances fixed.

Figure A3: the axis annotation font size needs to be larger, it is very hard to read at the moment.

The font size has been increased.

P6L163: is defined

Fixed.

P6L167: overly cautious/ conservative



