**Interactive comment on** “A long-term and reproducible passive microwave sea ice concentration data record for climate studies and monitoring” *by G. Peng et al.*

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This paper overall is well-written and and provides enough detail to describe the sea ice concentration EDR. Only comment is on p. 101, line 9. It would be good to note that the melt occurred during summer on ice that may have drifted since melt occurred, which is the case for the melt onset product being used. Still informative to know that melt has begun in this location, but good that the user is aware that the ice they’re looking at may not be the ice where melt has already occurred.

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