

Second review of the submitted manuscript, “*MMSealce: a Collection of Techniques for Improving Sea Ice Mapping with a Multi-task Model*”. The manuscript investigates methods enabling the mapping of different sea ice parameters, which were applied in *The AutoICE Challenge*, achieving the first spot on the challenge podium.

Thank you for a well-revised manuscript. Here are a few grammatical suggestions.

Technical corrections

L9: Lead -> led

L36: “how to extract” -> extracting

L56: I suggest you choose either strategies or techniques instead of using a slash

L87: “The utilization of” -> Using

L88: “at region level” -> “at a regional level” or “at the regional level”

L91: “such thickness” -> “such as thickness”

L123: “a previous work” -> previous work

L140: comma after “in future works”

L141: “channel adding” -> “channel-adding”

L152: “values to specific to day” -> “values to specific to the day”

L190: “unraveling” -> “unravelling” (double L)

L242: “a previous work” -> “previous work”

Fig. 2 + 3, the file names above the images, ice class names and colorbar names are very small. I would suggest increasing their size for readability. Particular fig. 2 with model 8 for sea ice concentration.