

***** Response to Reviewer #2 *****

Response to all minor comments: We want to thank reviewer 2 for the improvements to the manuscript that were brought by his comments. We will not list responses for every comment, as we basically followed all suggested corrections. We only list a few elements below.

Response to comment No. 3: We removed this sentence.

Response to comment No. 8: We rephrased this sentence (l.190 marked manuscript).

Response to comment No. 12: We followed the suggestions (Figure 3).

Response to comment No. 13: Yes, and it has been rephrased (l.390 marked manuscript).

Response to comment No. 26: A quantification of the computing time required was added (l.642-645 marked manuscript)

Response to comment No. 27: Unfortunately, we have no experience on spatial fields (radar fields)

Response to comment No. 28: A paragraph was added in the beginning of the conclusion.

Response to comment No. 30: This has been clarified (l.672 marked manuscript).