

## ***Interactive comment on “An assessment of two automated snow water equivalent instruments during the WMO Solid Precipitation Intercomparison Experiment” by Craig D. Smith et al.***

**Anonymous Referee #1**

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Although snow water equivalent (SWE) is very important information for not only disaster forecasting but also for earth science, there is still room for discussion of the methods of automatic SWE measurement. They compared different automatic SWE measurement methods (CS725, SSG1000), which are based on the different principles, with the manual SWE measurement at three sites. Then they discussed the characteristics of the comparison results at each site. Although I am very interested in their works and do not doubt that their works give the basic important information for the improvement of automatic SWE measurement methods, their work only shows few scientific new findings in the present version. From this view, I think their topic

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should be suitable for rather GI (or some publications which mainly treat the topics of instrument, method) publication than TC publication. In order for this manuscript to be accepted for TC, the authors should completely reconstruct the manuscript to clear the new scientific findings and scientific contribution of their works.

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