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Determination of the precision of snow-sampler based on field investigation

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The snow-sampler is a device which allows to measure two basic parameters of snow cover: the thickness of snow and the weight of collected sample. These two parameters make it possible to establish water equivalent of snow. In the past experience of measurement practice of Polish Institute of Meteorology and Water Management (IMGW) three kinds of snow sampler were used: Chomicz's weight snow-sampler, WS-43 weight snow-sampler and volume snow-sampler. This work presents the results of analysis of the precision of Chomicz's snow-sampler. The standard error, standard division and average value were calculated for several measurement series. The results were compared with similar measurements done by WS-43 weight snow-sampler.