

Interactive comment on “Partitioning of melt energy and meltwater fluxes in the ablation zone of the west Greenland ice sheet” by M. Van den Broeke et al.

Anonymous Referee #2

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The paper presents a useful investigation of melt energy partitioning. There were some interesting surprises, such as, 3/10 melting occurring beneath the surface...I believe it...I camped not far from S9 for 7 weeks in 2007 and that surface was Swiss Cheese...much in the way of vertical water tubes. Also interesting is changing importance of turbulent heat fluxes with altitude and the consequent exponential increase of melt toward the coast, no surprise, but nice to see quantified precisely. I was confused at quotation of 105000 kg / sq m melt, that's 10.5 m w eq!? I'll send my edited PDF to Michiel. Nice work all! Jason Box

Interactive comment on The Cryosphere Discuss., 2, 711, 2008.

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Interactive Discussion

Discussion Paper

