

***Interactive comment on* “The snowmelt runoff forecasting model of coupling WRF and DHSVM” by Q. Zhao et al.**

Q. Zhao et al.

dsslab@163.com

Received and published: 26 July 2009

what is the maximum number of SWE in the scales, 64747mm seems a unreasonable number to me. The maximum number of SWE is 64.747mm.

P.3345 L.17-20. ‘the forecasted...., observed data is significantly higher than....’, is this statement just opposite to the figure result?

P.3345 L.17-20 should be ‘forecasted data is significantly higher than observed data at midday when the water vapor is higher and the change of the clouds is more active as it is difficult to consider the effect of the clouds because of WRF low spatial resolution.’

P3344. L.2.: Equation is not clearly presented: >0.4 for what term?

Snow cover map used satellite reflectances in MODIS bands 4 and 6 to calculate the NDSI. A pixel will be mapped as snow if the NDSI value is > 0.4 and the reflectance in MODIS band 2 is $> 11\%$ (Barton, J.S., 2001; Andrew G. Klein, 2003; V.V. Salomonson, 2004).

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 6, 3335, 2009.

HESD

6, C1660–C1661, 2009

Interactive
Comment

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper

C1661

