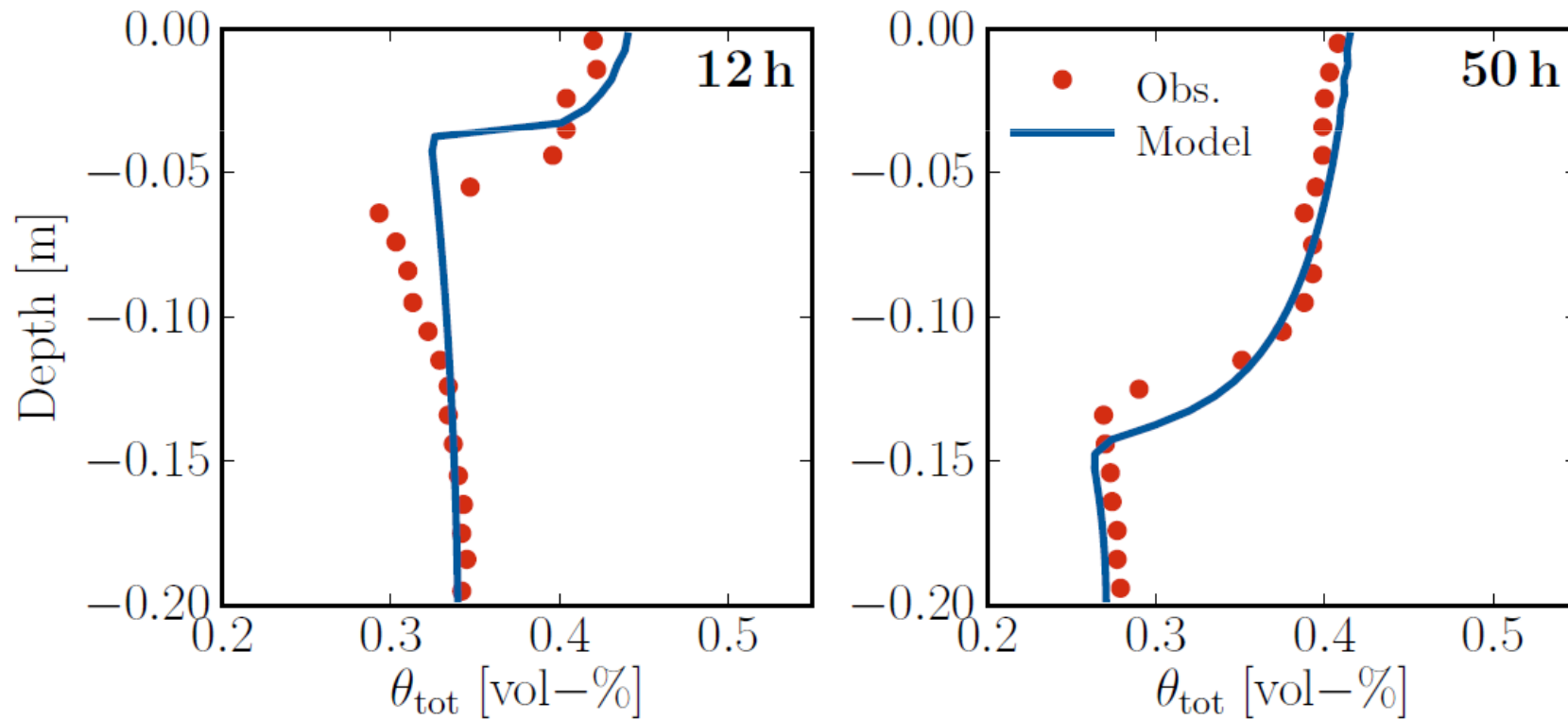
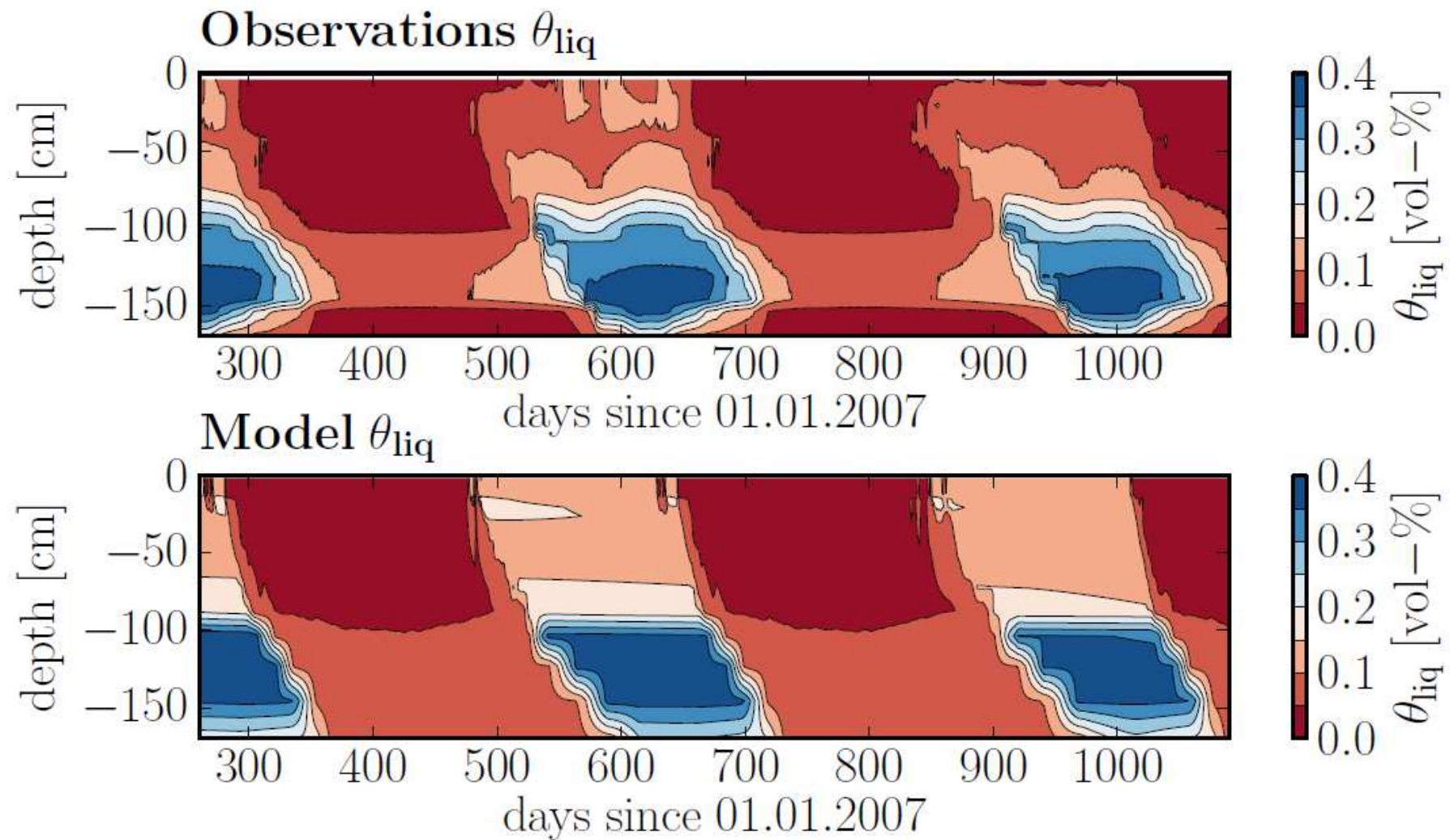


SLI

Laboratory experiment – Mizoguchi (1990)



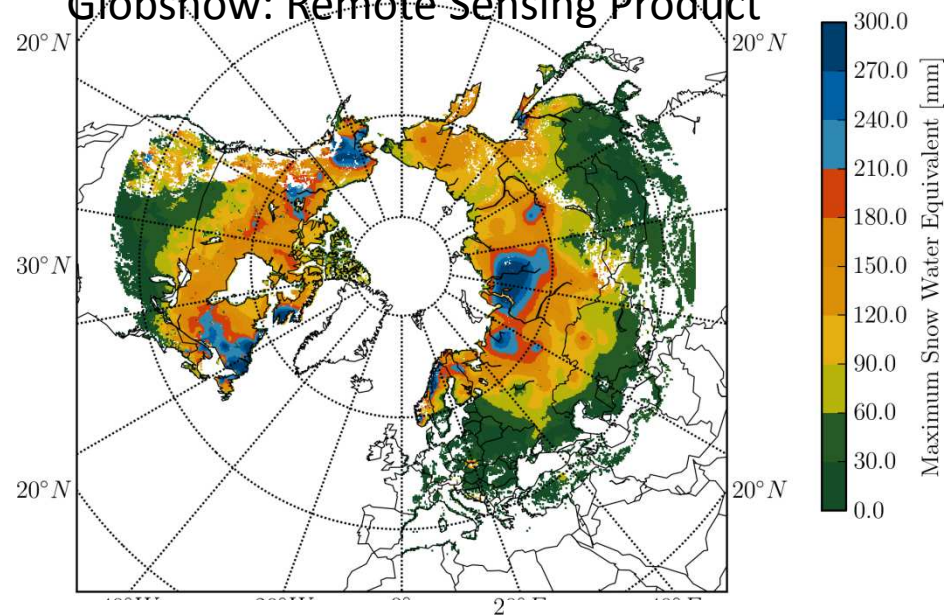
Field observations – Tibetan Plateau



(Weismüller *et al.* 2011)

GlobSnow

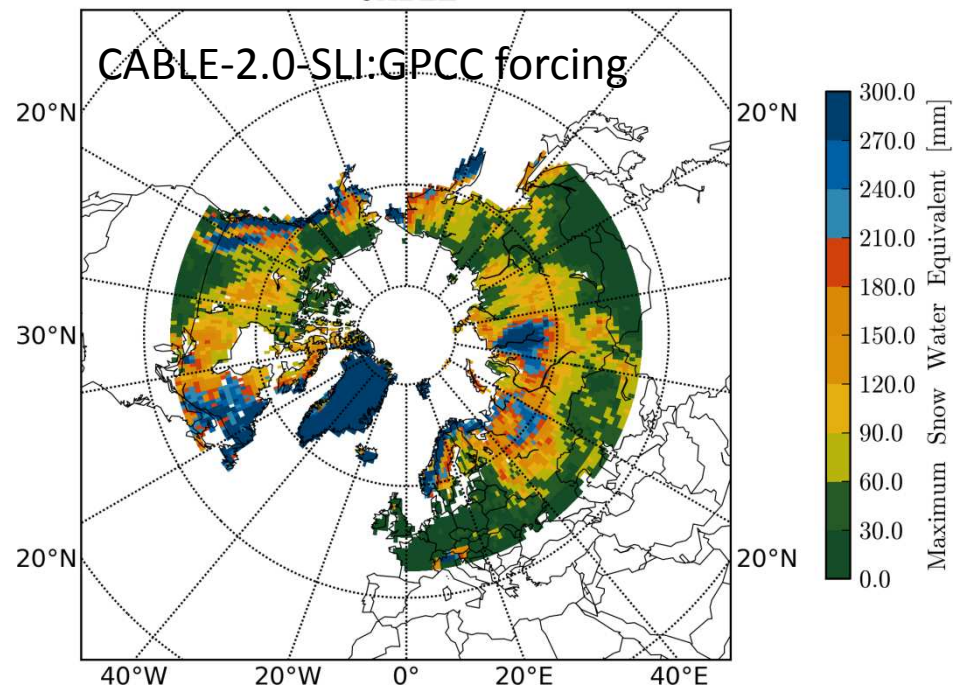
Globsnow: Remote Sensing Product



GSWP snowfall too high over large regions

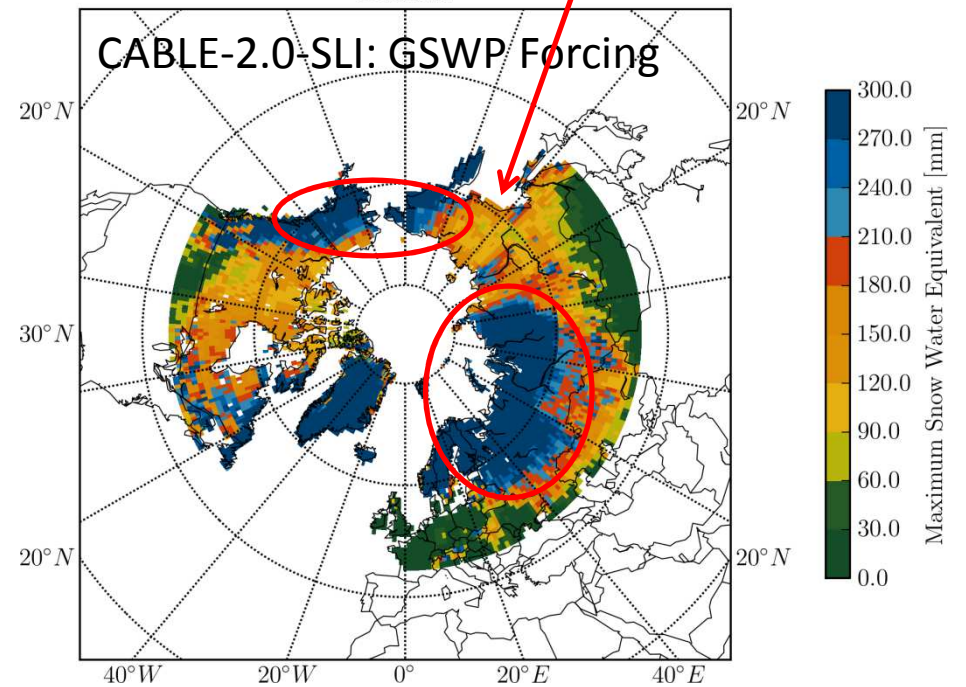
CABLE

CABLE-2.0-SLI:GPCC forcing



CABLE

CABLE-2.0-SLI: GSWP Forcing



SLI-Status

Scientific:

Evaluated from Lab to Hemisphere

Technical:

- Ready to use (switch default/SLI)

https://trac.nci.org.au/trac/cable/browser/branches/Users/vxh599/trunk1714_sli

- Computationally more demanding

Fire – model (structure)

Component	Specifications	Δt	Input	
IGNITION	<i>SIMFIRE</i> (Knorr 2014) BA [% grid cell]	a	pop. dens., avg. ann. FAPAR, landcover, Nesterov-Index	●
	Observation based data sets (e.g. <i>GFED3</i>) BA [m^{-2}]	d-a	<i>data set</i>	●
FIRE	Compute Fire-Line-Intensity FLI [W/m]	d-a	litter (metb&str), U,T,RH,Precip	●
COMBUSTION	C-Pool turn-over from <i>FullCAM</i> combustion tables	d-a	tabulated $\text{TO}_{i,j} (\text{FLI})/\text{g}(\text{C})_i$ from pool i -> j	●
	C-Pool turn-over relative to <i>POP</i> fire-mortality (Haverd 2014)	a	as above but acc to <i>POP</i> C-TO for life pools	●

Ignition and combustion can be combined as desired; Δt set accordingly

