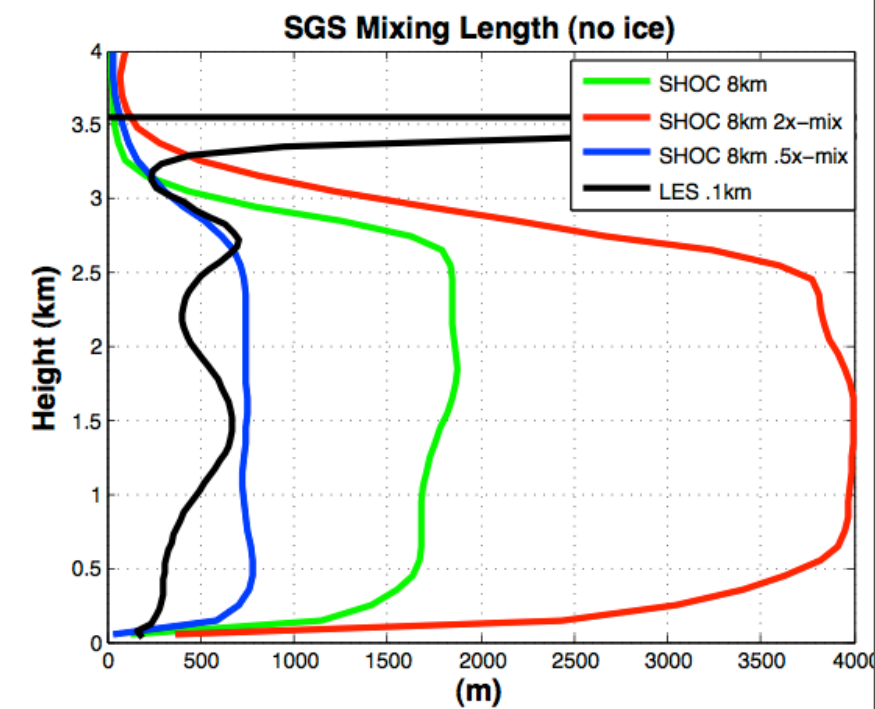
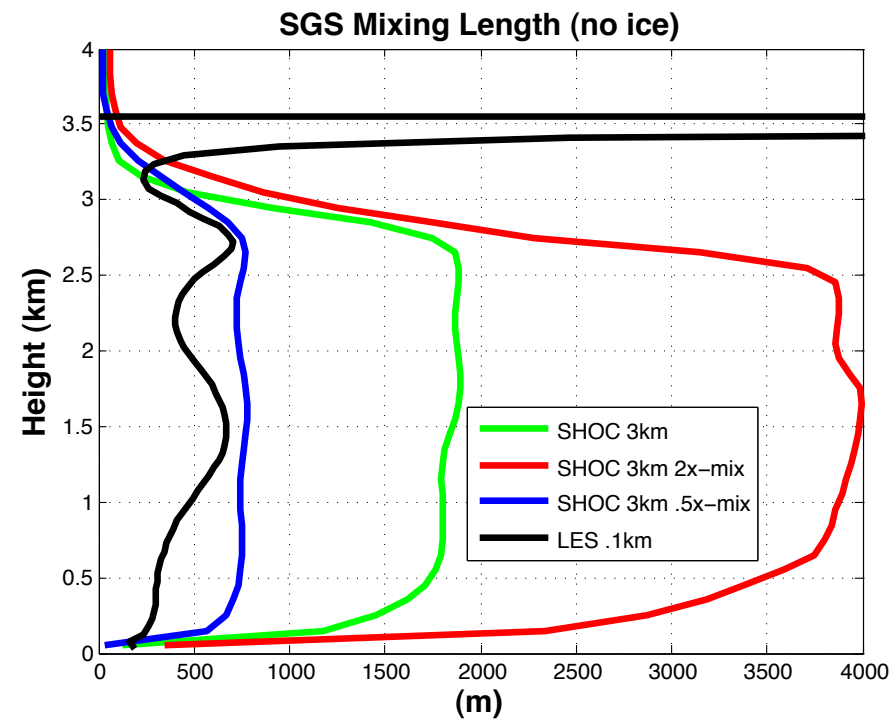
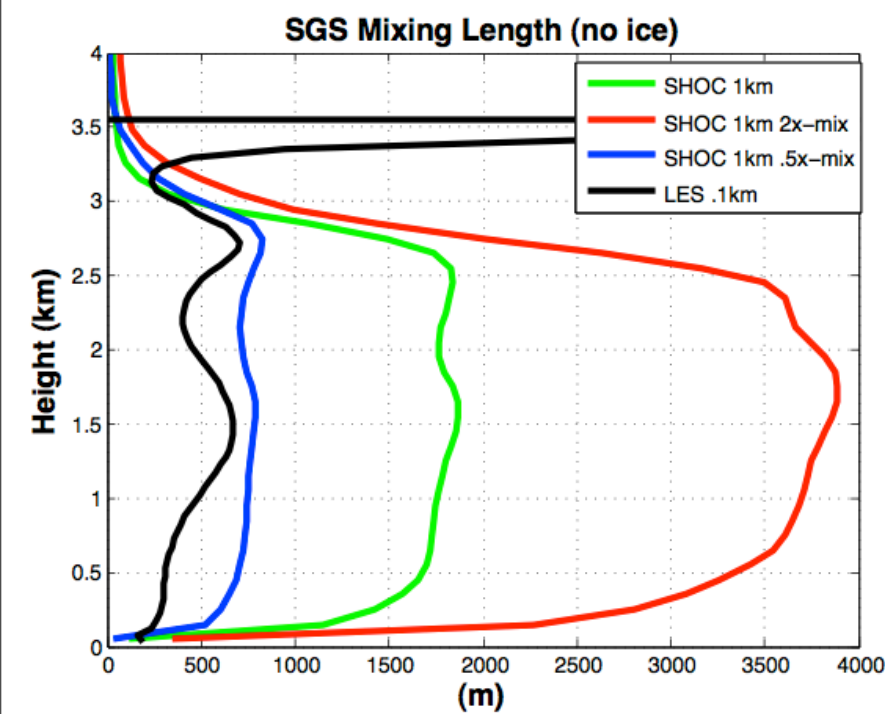


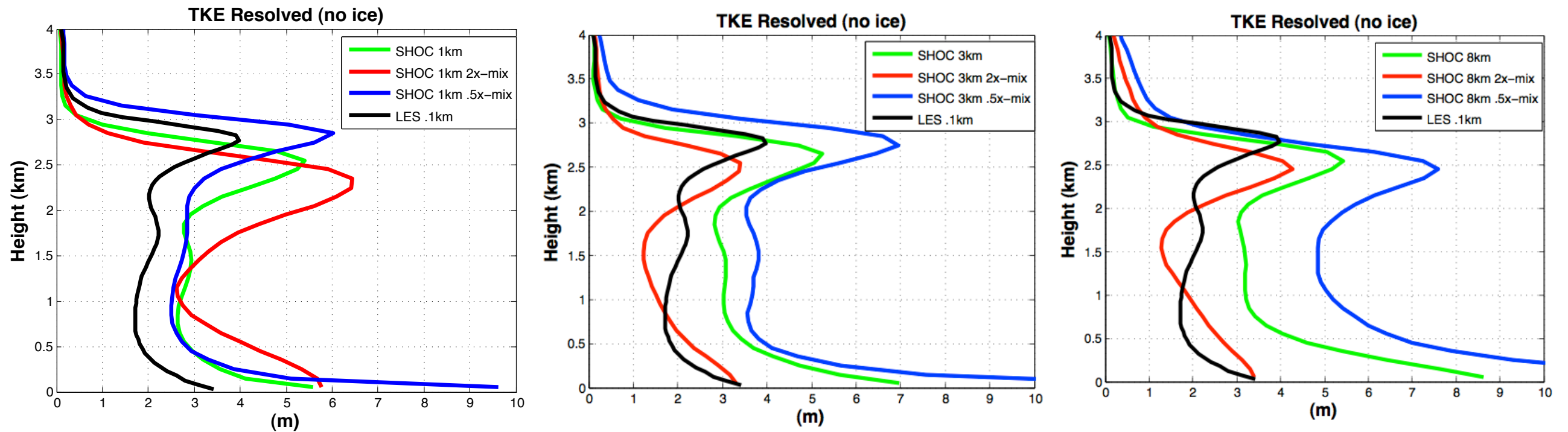
# Varying Mixing Length

# SGS\_MIX



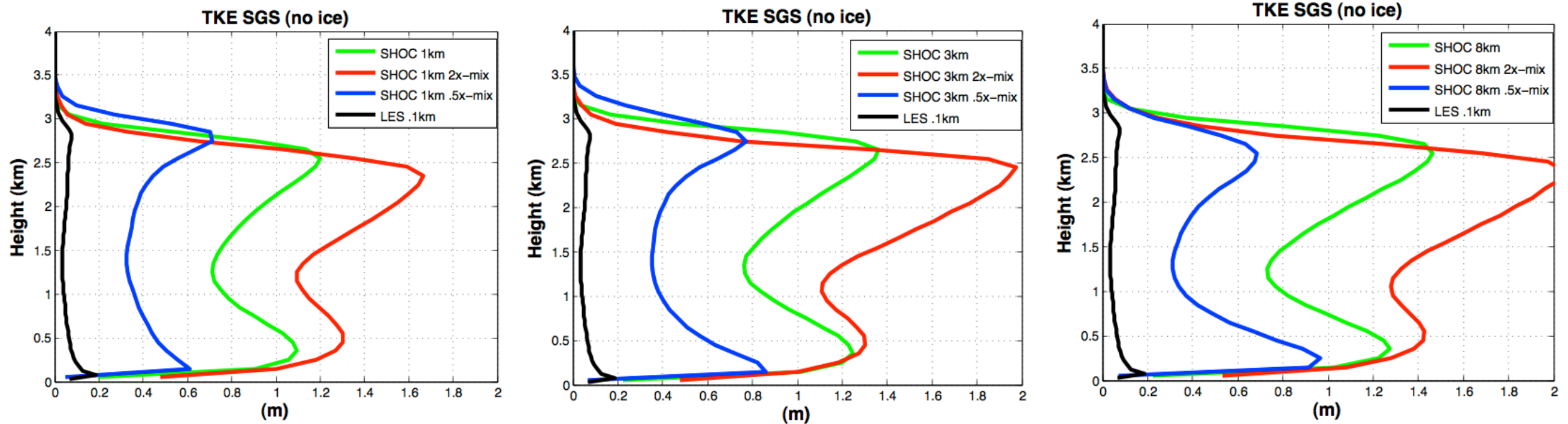
- All three are roughly a 1:2:4 ratio.
- The half mixing ratio length is closer in magnitude to the LES but lacks the shape.

# Resolved TKE



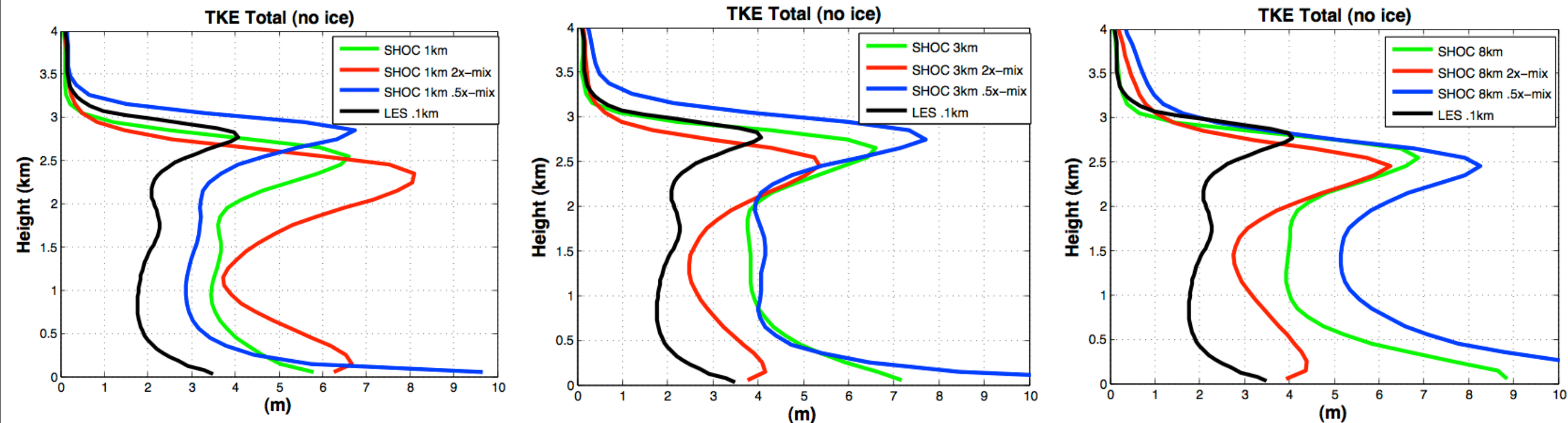
- For the 1km grid the resolved TKE is closer to the LES with a lower mixing length.
- For the 3km and 8km grids the resolved TKE is closer to the LES with a higher mixing length.

# SGS TKE



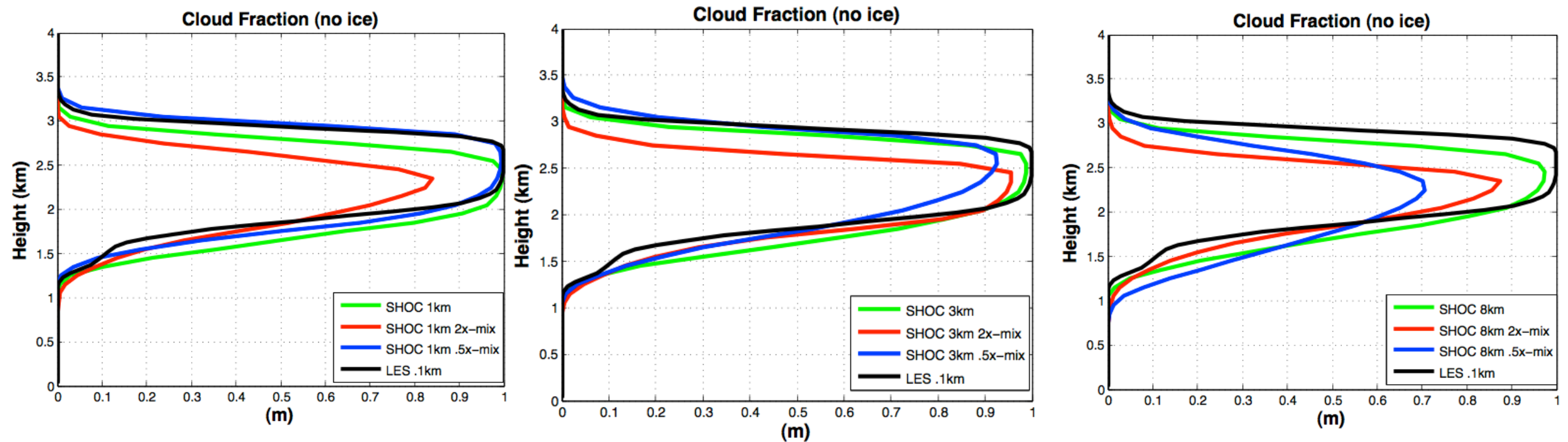
- All three have a similar result with a lower mixing ratio bringing SGS TKE closer to the LES.

# Total TKE



- Resolved TKE has the primary influence here separating the plots.
- For 1km a lower mixing length is closer to LES while for 3km and 8km the higher mixing length is closer to LES.

# CLD Fraction



- For 1km grids a lower mixing length better matches the LES.
- For 8km grids the unadjusted mixing length is closest to the LES.