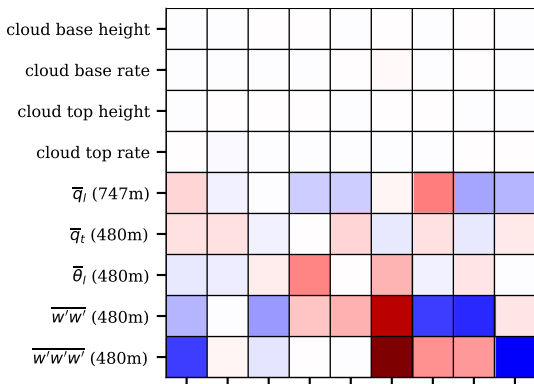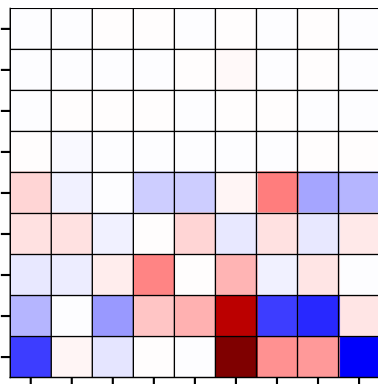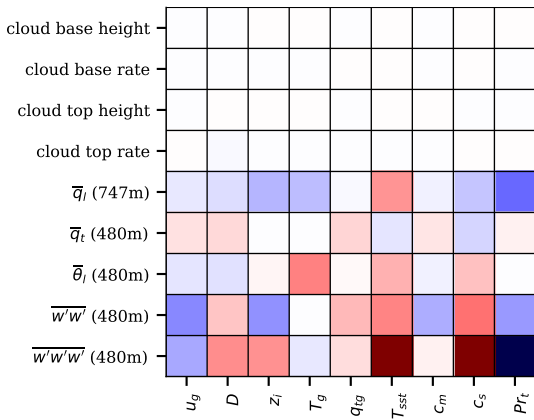a) WENO FULLRES (SYNTHETIC) b) WENO FULLRES
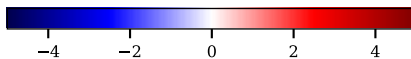
c) WENO LOWRES d) CENTRAL FULLRES

Rows (top to bottom): cloud base height, cloud base rate, cloud top height, cloud top rate, $\overline{q}_l$ (747m), $\overline{q}_t$ (480m), $\overline{\theta}_l$ (480m), $\overline{w'w'}$ (480m), $\overline{w'w'w'}$ (480m)

Columns: u_g, D, z_i, T_g, q_{tg}, T_{sst}, c_m, c_s, Pr_t

Kalman gain matrix K