

Atm

$u_a, v_a, T_a, P_a, z_a, q_a, \cos(\theta), p_l, p_f,$

$\phi_{lw,down}, \phi_{sw,net}^{vis,dir}, \phi_{sw,net}^{vis,dif},$

$\phi_{sw,net}^{tot,dir}, \phi_{sw,net}^{tot,dif}, \phi_{sw,down}^{vis,dir},$

$\phi_{sw,down}^{vis,dif}, \phi_{sw,down}^{tot,dir}, \phi_{sw,down}^{tot,dif}$

$u^*, h_s, h_l, T_s, z_o, z_{ot}$

Exchange
infrastructure

$u_o, v_o, T_o, z_o, z_{ot}, z_{oq},$
 $\alpha_{vis}^{dir}, \alpha_{vis}^{dif}, \alpha_{nir}^{dir}, \alpha_{nir}^{dif}$

$u^*, h_s, h_l, \tau_u, \tau_v, p_l, p_f, \cos(\theta), P_s,$

$\phi_{lw,net}, \phi_{sw,net}^{vis,dir}, \phi_{sw,net}^{nir,dir},$

$\phi_{sw,net}^{vis,dif}, \phi_{sw,net}^{nir,dif}, \phi_{sw,down}^{vis,dir},$

$\phi_{sw,down}^{nir,dir}, \phi_{sw,down}^{vis,dif}, \phi_{sw,down}^{nir,dif}$

Ocn