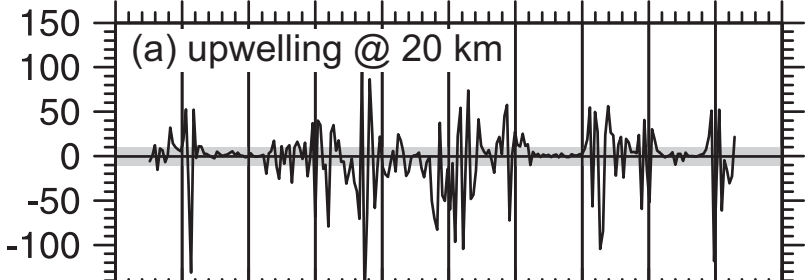


Hawaii

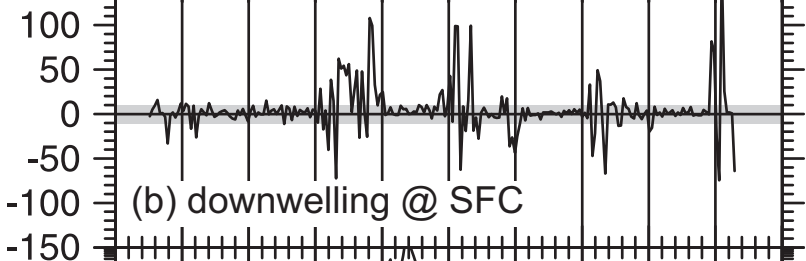
25 20 15 10 5 0 -5 -10 -15 -20 -25

(a) upwelling @ 20 km

3D - 1D SW (W m^{-2})



(b) downwelling @ SFC



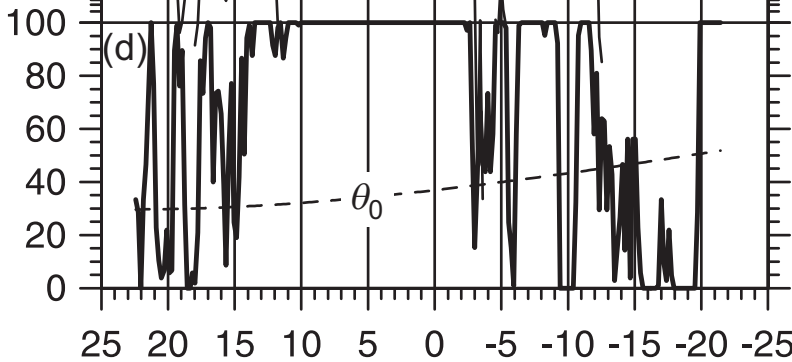
(c)

— liq
— ice

CWP (kg m^{-2})

10
1
0.1
0.01
0.001
0.0001
0.00001
0.000001

total cloud fraction (%)



latitude ($^{\circ}\text{N}$)