

## Evaluation of UKCA simulated CN profiles & surface annual cycle in GLOMAP

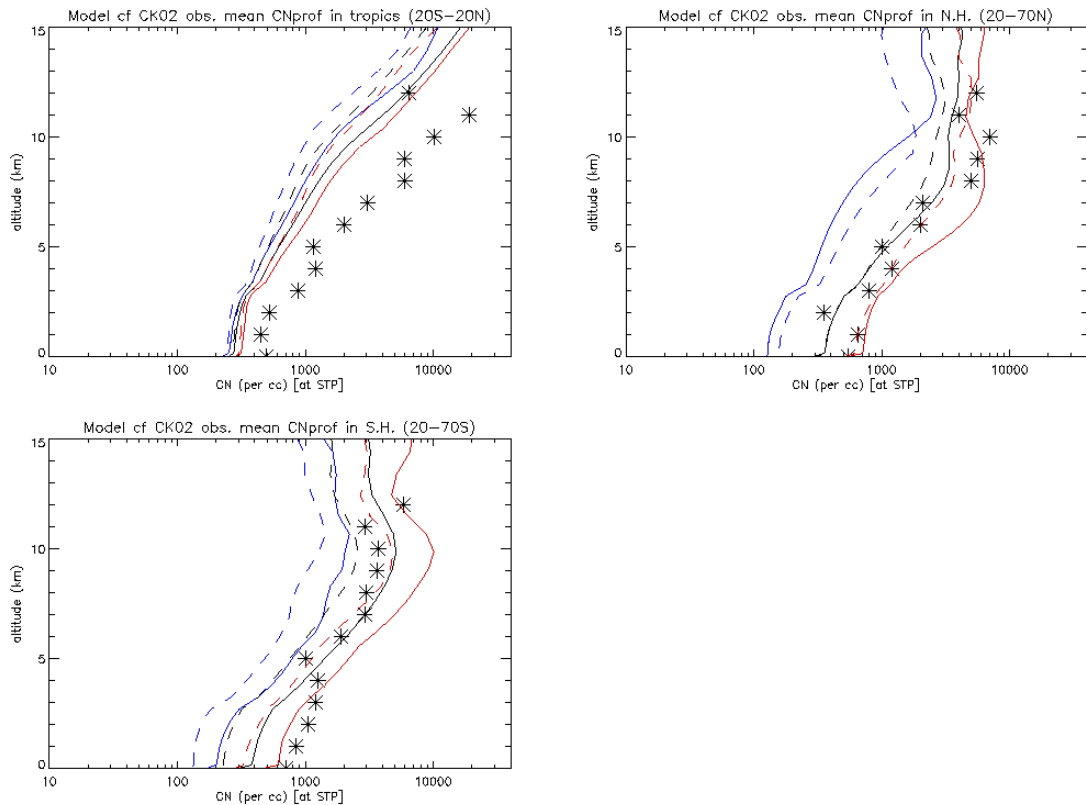


Figure 1 Observed climatology of profiles of CN concentrations (at s.t.p.) over the Pacific Ocean (Clarke & Kapustin, 2002) against that simulated by GLOMAP-mode (solid lines) and GLOMAP-bin (dashed lines). Black lines indicate annual mean profile, blue (red) indicate minimum (maximum) monthly-mean simulated CN at each height.

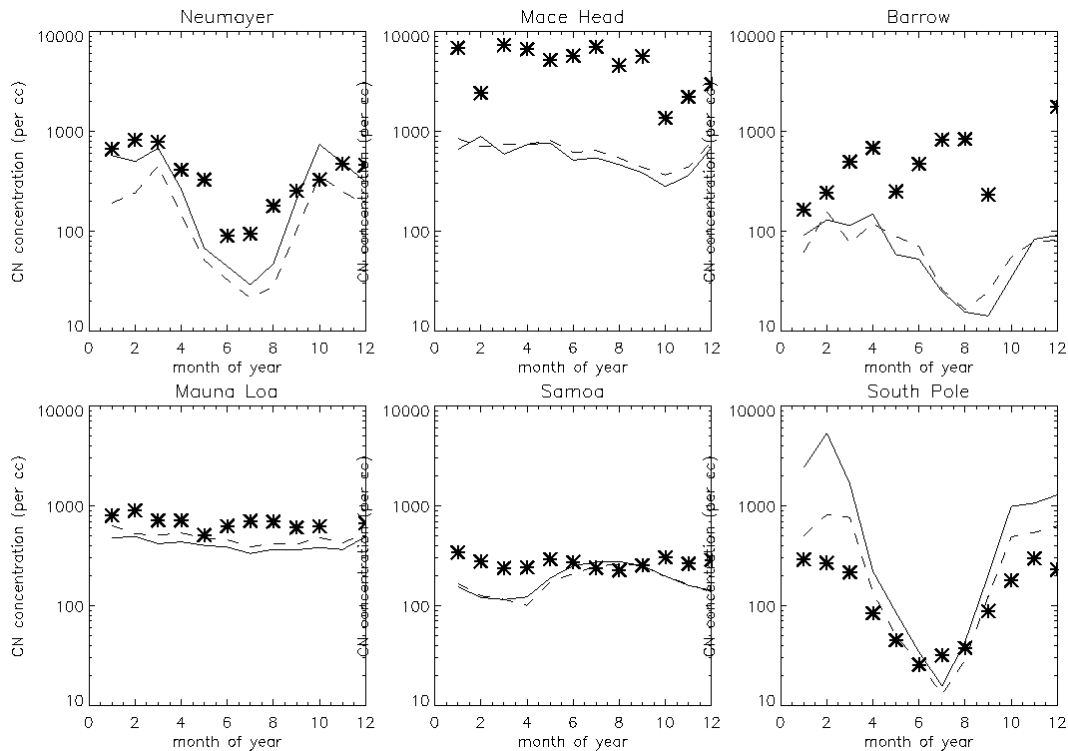


Figure 2 Observed monthly-mean (\*) surface CN concentrations at 6 GAW monitoring stations compared to that simulated by GLOMAP-mode (solid) and -bin (dashed)