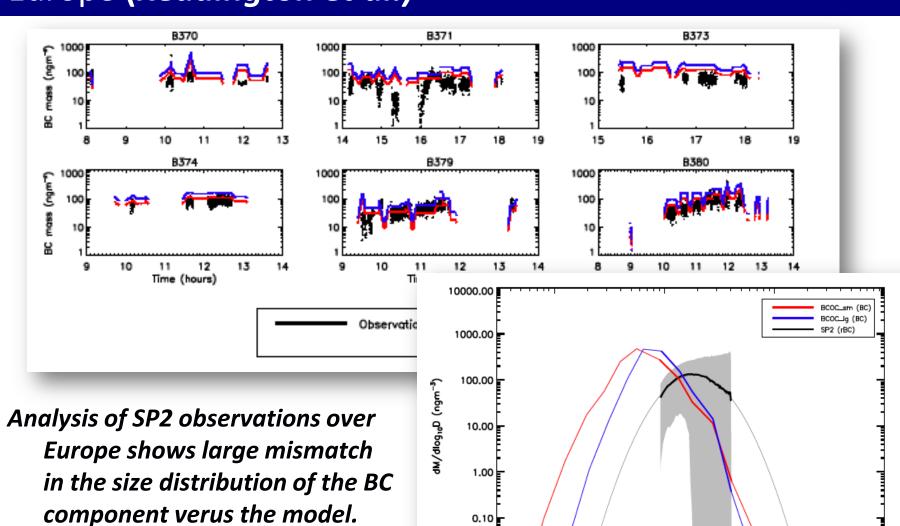
Carslaw 1: Analysis of BC size distribution over Europe (*Reddington et al.*)





10

100

BC diameter (nm)

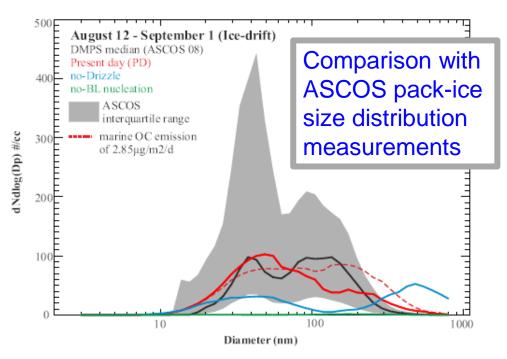
1000

10000

The total aerosol size distribution agrees well

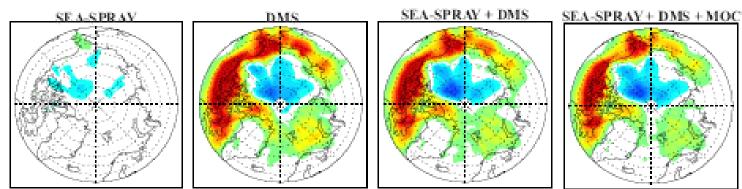
Carslaw 2: Response of Arctic CCN to sea-ice loss (Browse et al.)





High-Arctic CCN
concentration falls when
sea ice is removed despite
more natural aerosol and
precursor emission

Can be understood in terms of aerosol processes in a strongly scavenging environment

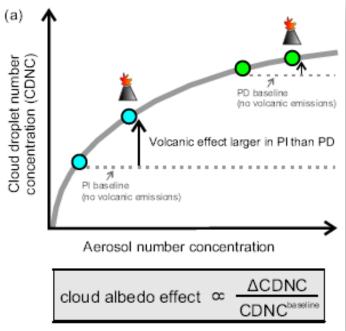


Change in surface (0-50m) CCN number (Rccx>35nm)

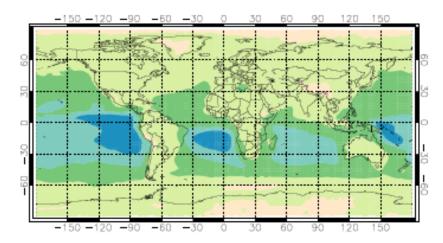
Carslaw 3: Tropospheric volcanic aerosol and indirect forcing *(Schmidt et al.)*











b) Plinet TOA cloud albedo effect, Global mean=-1.06 W m⁻²

