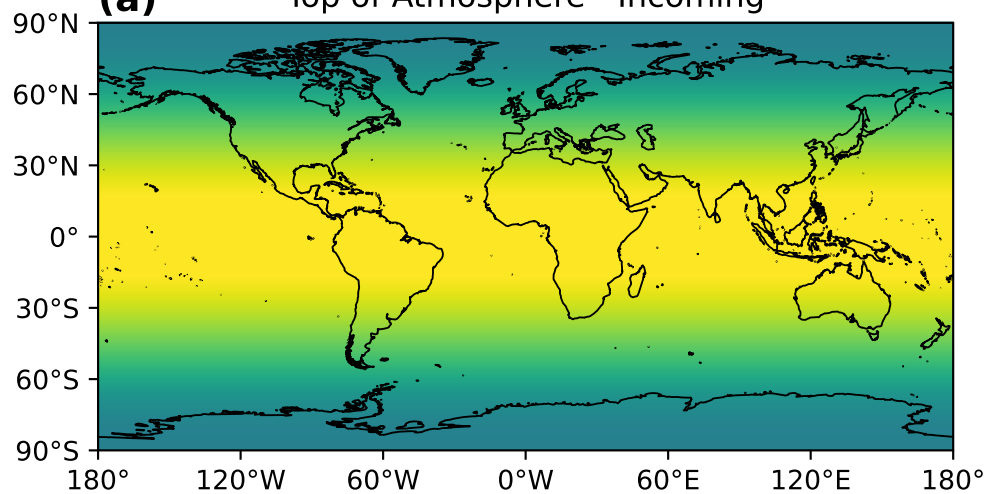
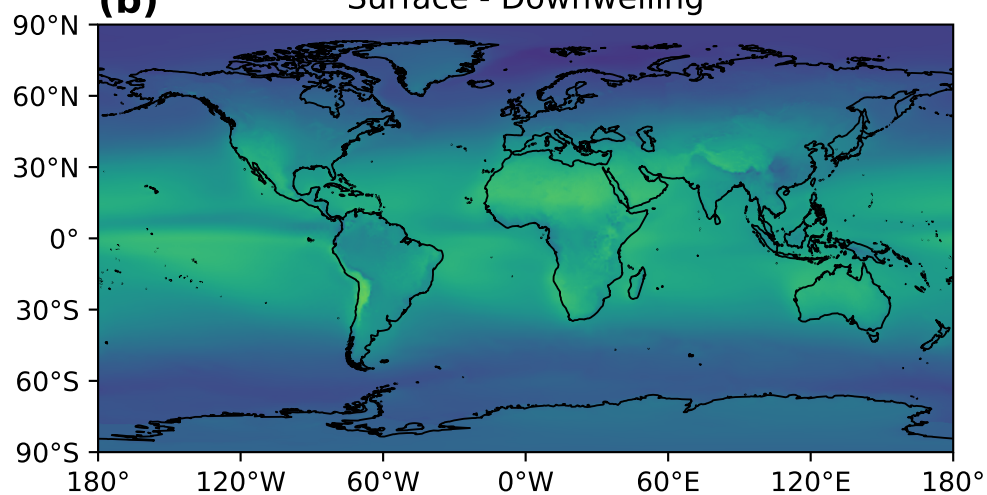


**2001-2020 (ERA5)**

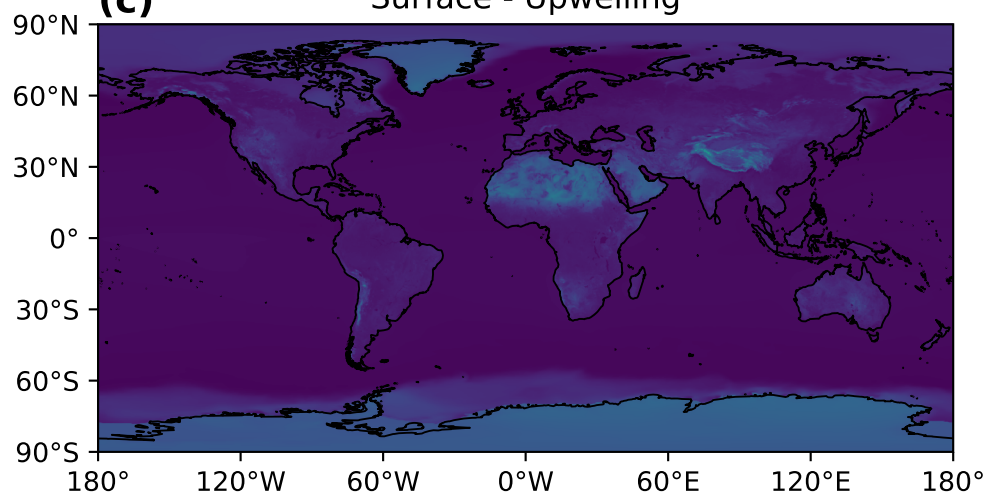
**(a)** Top of Atmosphere - Incoming



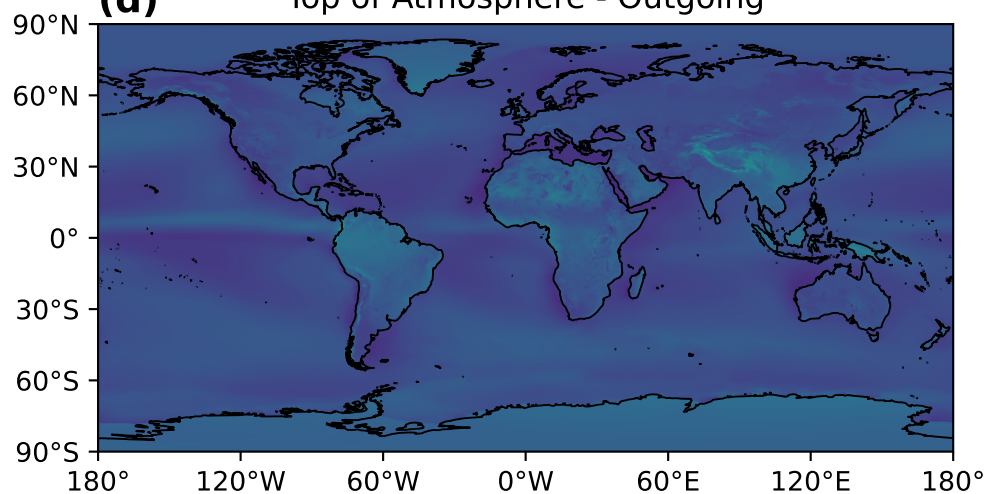
**(b)** Surface - Downwelling



**(c)** Surface - Upwelling

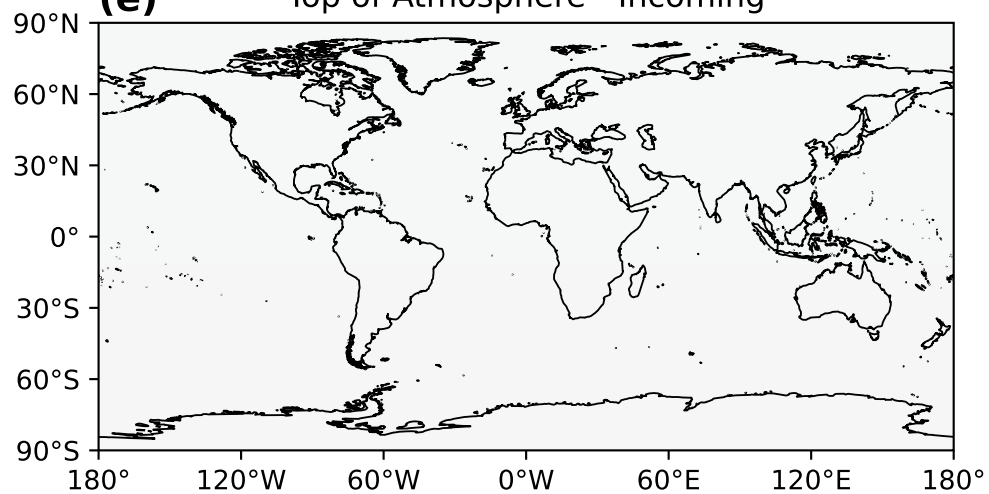


**(d)** Top of Atmosphere - Outgoing

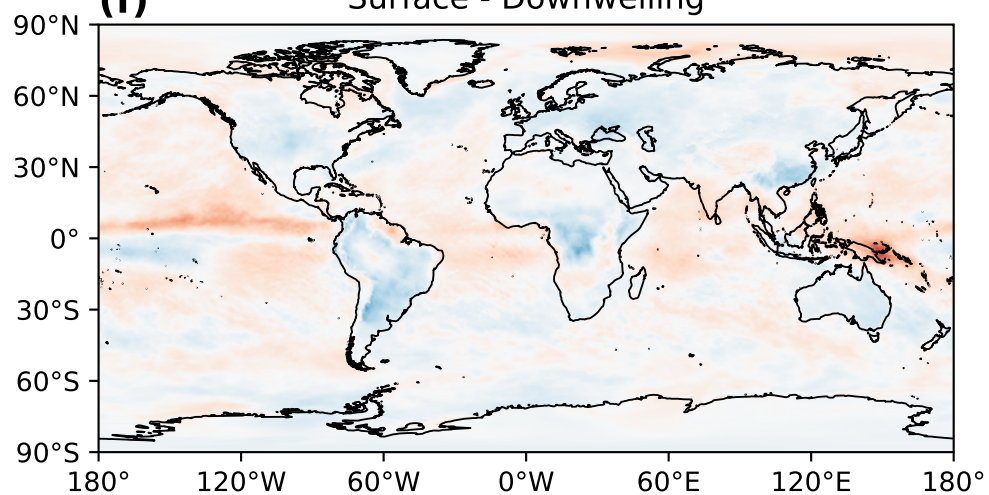


**1991-2020 minus 2001-2020 (ERA5)**

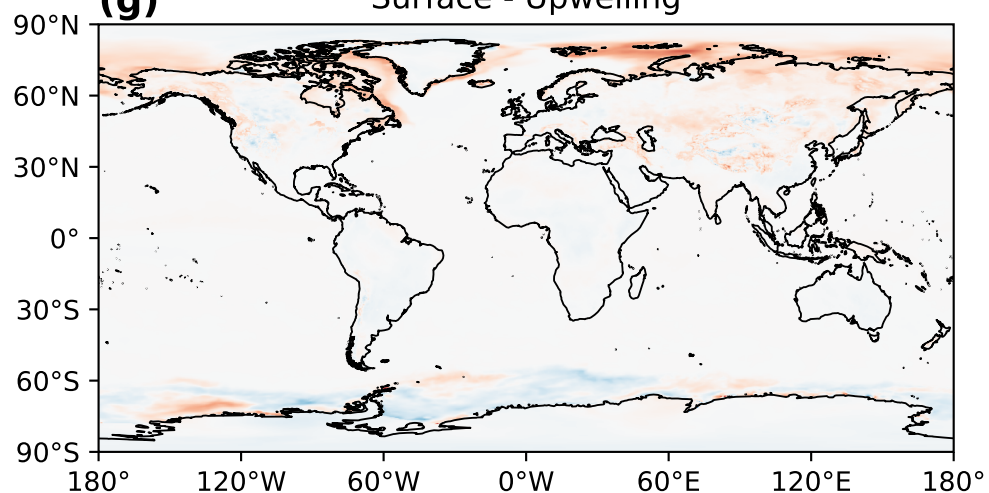
**(e)** Top of Atmosphere - Incoming



**(f)** Surface - Downwelling



**(g)** Surface - Upwelling



**(h)** Top of Atmosphere - Outgoing

