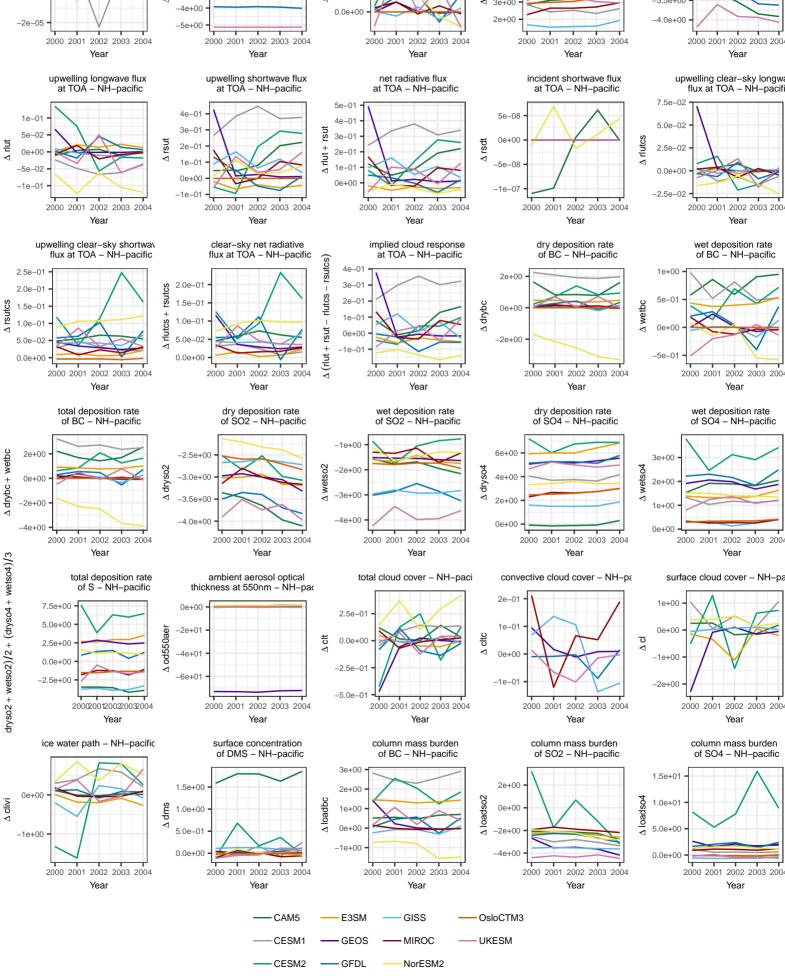
high-so4: percent difference surface flux surface concentration surface concentration surface concentration of SO2 - NH-pacific of BC - NH-pacific of SO4 - NH-pacific of SO2 - NH-pacific 1.5e+00 6e+00 -3.0e+00 4e+00 _3 5e+00 3e+00 0.0e+00 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 Year incident shortwave flux at TOA – NH-pacific upwelling clear-sky longwa flux at TOA - NH-pacific net radiative flux at TOA - NH-pacific 5e-08 Зе ∆ rlut + 2e-01 -5e-08 1e-01 0.0e+00 0e+00 -2.5e-02 2002 2003 2004 2000 2001 2002 2003 2004 2002 2003 2004 2000 2001 2002 2003 2004 Year Year Year Year implied cloud response dry deposition rate wet deposition rate at TOA - NH-pacific of BC - NH-pacific of BC - NH-pacific rsutcs) 4e-01 2e+003e-01 rlutcs -△ wetbc 1e-01 rsut – 0e+00 -2e+00 -5e-01 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 Year wet deposition rate of SO2 – NH–pacific dry deposition rate of SO4 – NH–pacific wet deposition rate of SO4 – NH–pacific -1e+006e+00 -2e+00 wetso4 2e+00 -3e+00 -4e+00 2000 2001 2002 2003 2004 2000 2001 2002 2003 2004 2002 2003 2004 Year Yea Year Year total cloud cover - NH-paci convective cloud cover - NH-pa surface cloud cover - NH-pag 2e-01 1e+00 2.5e-01 <u>\</u> 0e+00 -1e+00



surface flux

of BC - NH-pacific

00+00

-1e+00

_2e+00

-3e+00

1e-05

0e+00

