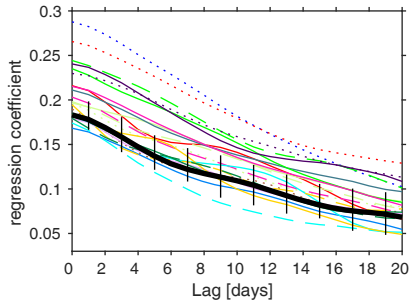
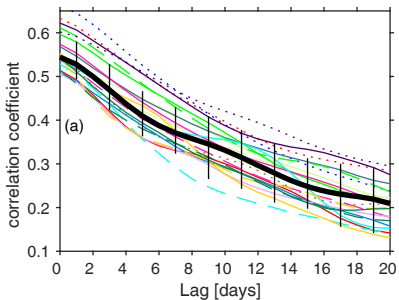


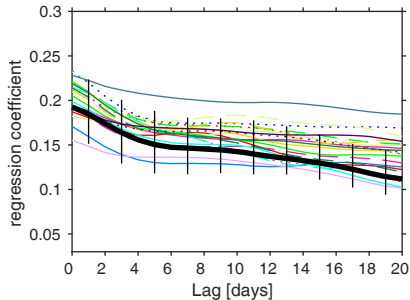
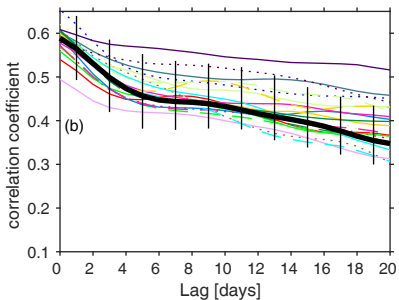
downward coupling of 100 hPa polar cap Z with 850 hPa polar cap Z NH DJF



ERA5

BoM*
 ISAC-CNR*
 CMA-s2sv1*
 CMA-s2sv2
 ECCO-GEPS4*
 ECCO-GEPS6
 ECCO-GEPS7
 HMCR
 CNRM-CM60
 CNRM-CM61
 NCEP
 ECMWF-cy45r1
 ECMWF-cy47r3
 GEFSv12
 JMA-GEPS1701
 JMA-CPS3
 KMA-Glosea5-gc2
 KMA-Glosea6-gc32
 UKMO-Glosea5
 UKMO-Glosea6
 CESM2-WACCM
 CESM2-CAM*

downward coupling of 100 hPa polar cap Z with 850 hPa polar cap Z SH SON



ERA5

BoM*
 ISAC-CNR*
 CMA-s2sv1*
 CMA-s2sv2
 ECCO-GEPS4*
 ECCO-GEPS6
 ECCO-GEPS7
 HMCR
 CNRM-CM60
 CNRM-CM61
 NCEP
 ECMWF-cy45r1
 ECMWF-cy47r3
 GEFSv12
 JMA-GEPS1701
 JMA-CPS3
 KMA-Glosea5-gc2
 KMA-Glosea6-gc32
 UKMO-Glosea5
 UKMO-Glosea6
 CESM2-WACCM
 CESM2-CAM*