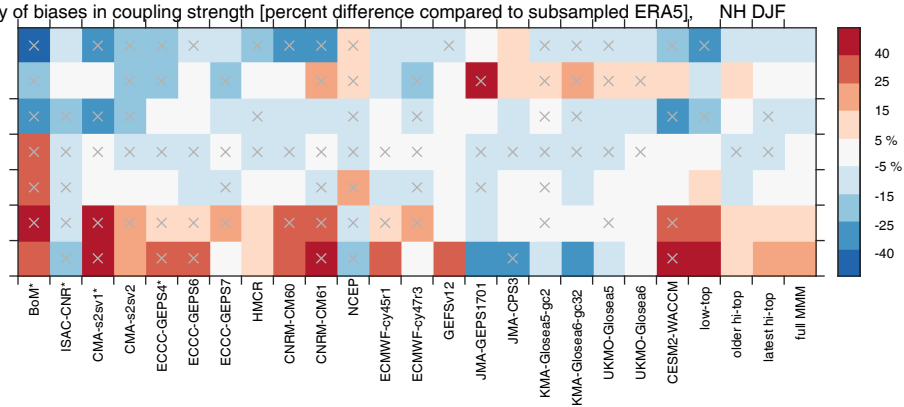
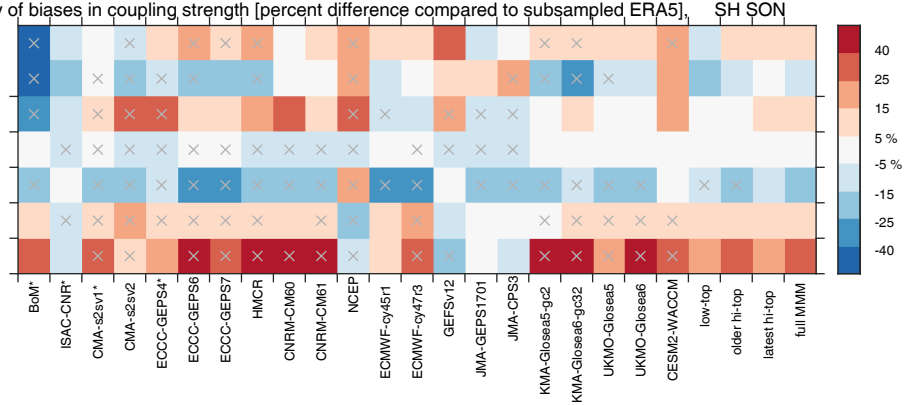

(a) summary of biases in coupling strength [percent difference compared to subsampled ERA5], NH DJF
regress
(vT500,vT100 +3days) wv1
(vT500,vT100 +3days) wv2
(vT100,Zcap10 +7days)
(Zcap10,Zcap100 +2days)
(Tcap100,Tcap100 +20days)
(Zcap100,Zcap850 +1days)
(Zcap100,Zcap850 +20days)
BoM*
ISAC-CNR*
CMA-s2sv1*
CMA-s2sv2
ECCC-GEPS4*
ECCC-GEPS6
ECCC-GEPS7
HMCR
CNRM-CM60
CNRM-CM61
NCEP
ECMWF-cy45r1
ECMWF-cy47r3
GEFSv12
JMA-GEPS1701
JMA-CPS3
KMA-Gloseа5-gc2
KMA-Gloseа6-gc32
UKMO-Gloseа5
UKMO-Gloseа6
CESM2-WACCM
low-top
older hi-top
latest hi-top
full MMM
40
25
15
5 %
-5 %
-15
-25
-40


(b) summary of biases in coupling strength [percent difference compared to subsampled ERA5], SH SON
regress
(vT500,vT100 +3days) wv1
(vT500,vT100 +3days) wv2
(vT100,Zcap10 +7days)
(Zcap10,Zcap100 +2days)
(Tcap100,Tcap100 +20days)
(Zcap100,Zcap850 +1days)
(Zcap100,Zcap850 +20days)
BoM*
ISAC-CNR*
CMA-s2sv1*
CMA-s2sv2
ECCC-GEPS4*
ECCC-GEPS6
ECCC-GEPS7
HMCR
CNRM-CM60
CNRM-CM61
NCEP
ECMWF-cy45r1
ECMWF-cy47r3
GEFSv12
JMA-GEPS1701
JMA-CPS3
KMA-Gloseа5-gc2
KMA-Gloseа6-gc32
UKMO-Gloseа5
UKMO-Gloseа6
CESM2-WACCM
low-top
older hi-top
latest hi-top
full MMM
40
25
15
5 %
-5 %
-15
-25
-40