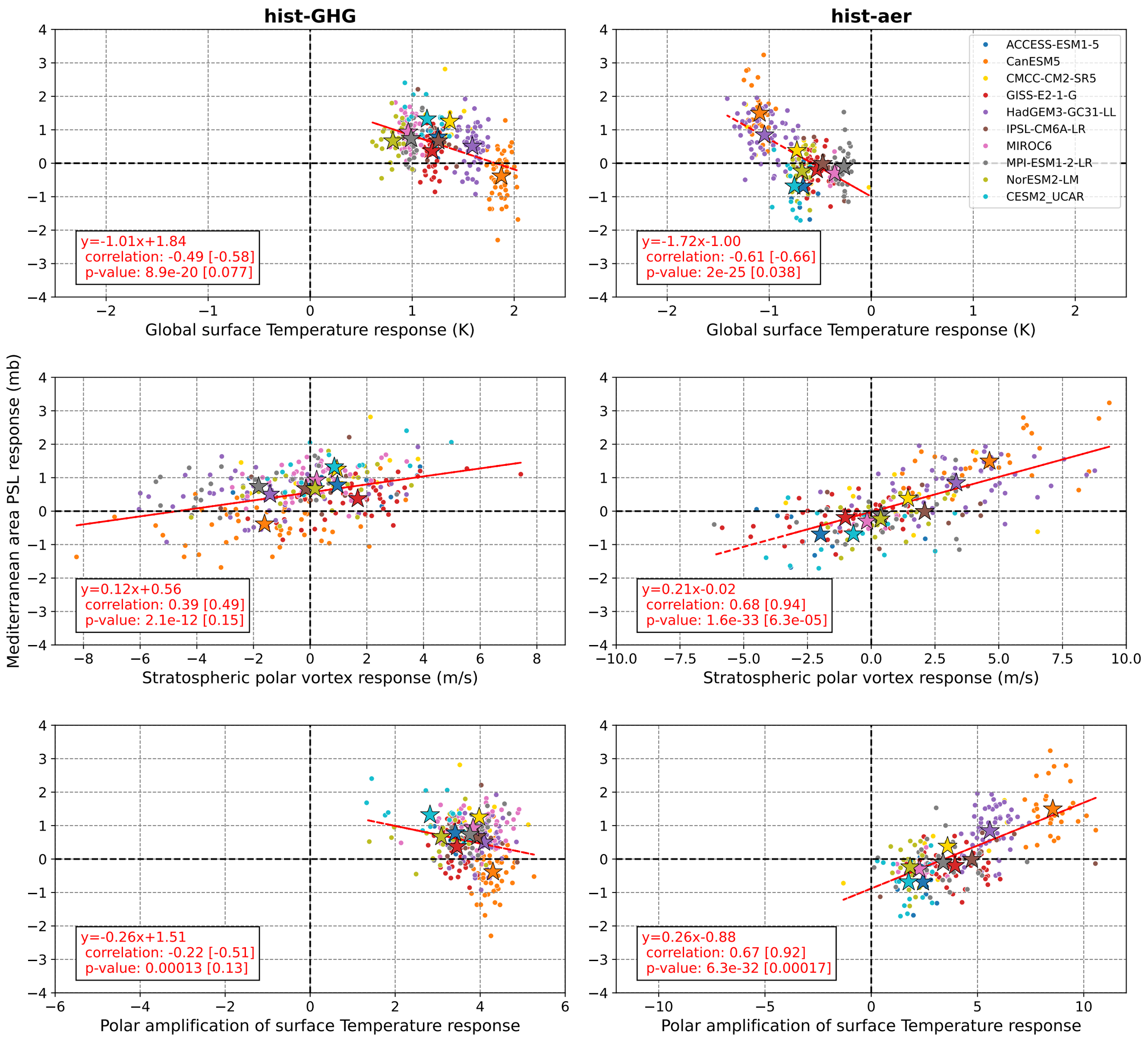
DJF Mediterranean area PSL response vs.
Global T2m/10mb polar vortex/Polar amplification of T2m responses;
1990-2014 vs 1850-1920
hist-GHG
hist-aer
y=-1.01x+1.84
correlation: -0.49 [-0.58]
p-value: 8.9e-20 [0.077]
y=-1.72x-1.00
correlation: -0.61 [-0.66]
p-value: 2e-25 [0.038]
ACCESS-ESM1-5
CanESM5
CMCC-CM2-SR5
GISS-E2-1-G
HadGEM3-GC31-LL
IPSL-CM6A-LR
MIROC6
MPI-ESM1-2-LR
NorESM2-LM
CESM2_UCAR
Global surface Temperature response (K)
Mediterranean area PSL response (mb)
y=0.12x+0.56
correlation: 0.39 [0.49]
p-value: 2.1e-12 [0.15]
y=0.21x-0.02
correlation: 0.68 [0.94]
p-value: 1.6e-33 [6.3e-05]
Stratospheric polar vortex response (m/s)
y=-0.26x+1.51
correlation: -0.22 [-0.51]
p-value: 0.00013 [0.13]
y=0.26x-0.88
correlation: 0.67 [0.92]
p-value: 6.3e-32 [0.00017]
Polar amplification of surface Temperature response