

Climate investigation

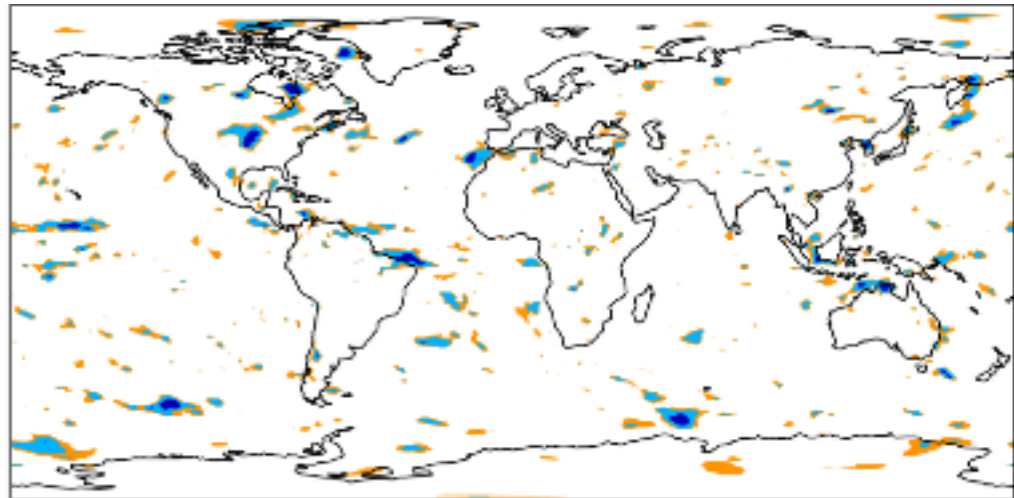
- 11 year integration at T159L91 (~125km horizontal resolution).
- 10 member ensembles for 2005-2015:
double precision
single precision
half precision (zero mode in double precision)
- Do reduced precision errors accumulate?

T-test difference from double precision

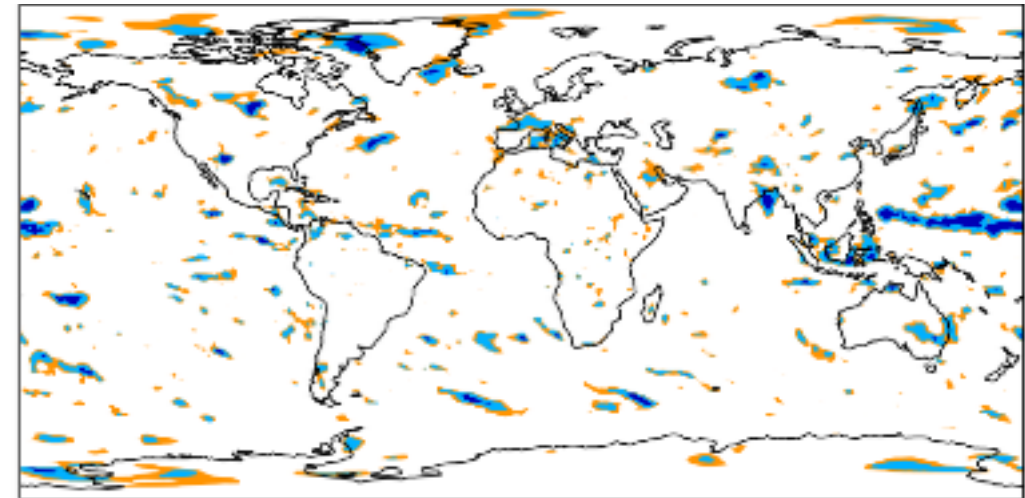
Single precision

Half precision (zm)

Accumulated
precipitation

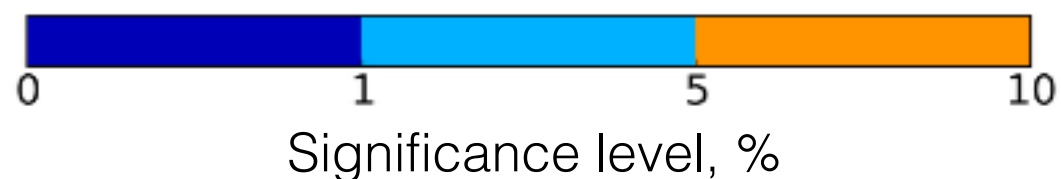
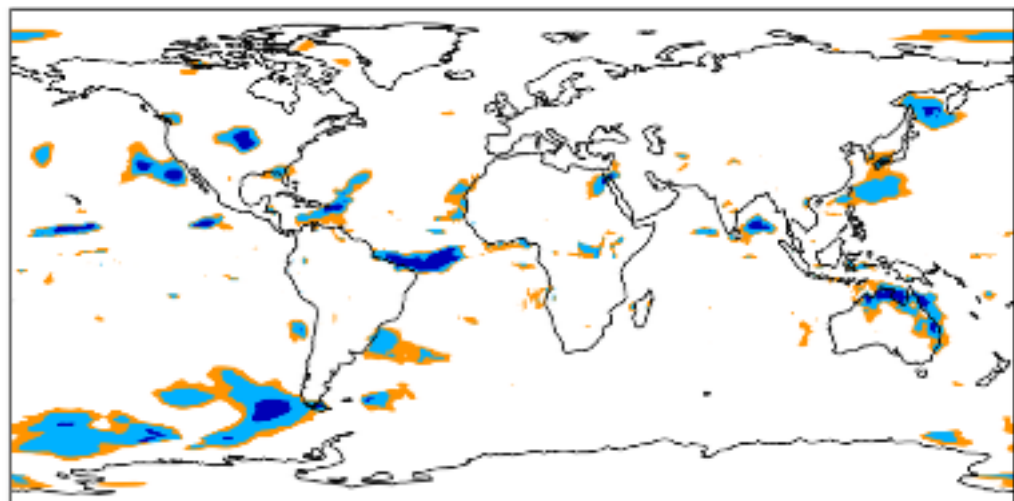


Proportion of significant grid points 3.2%

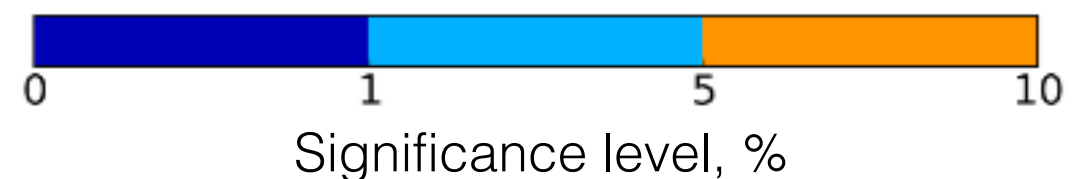
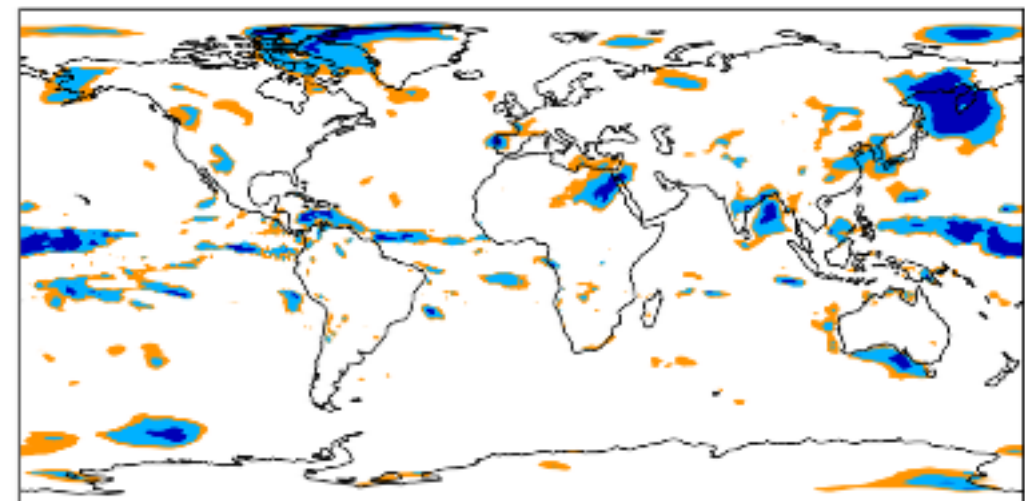


Proportion of significant grid points 5.5%

Mean
2m temperature



Proportion of significant grid points 4.6%



Proportion of significant grid points 7.7%