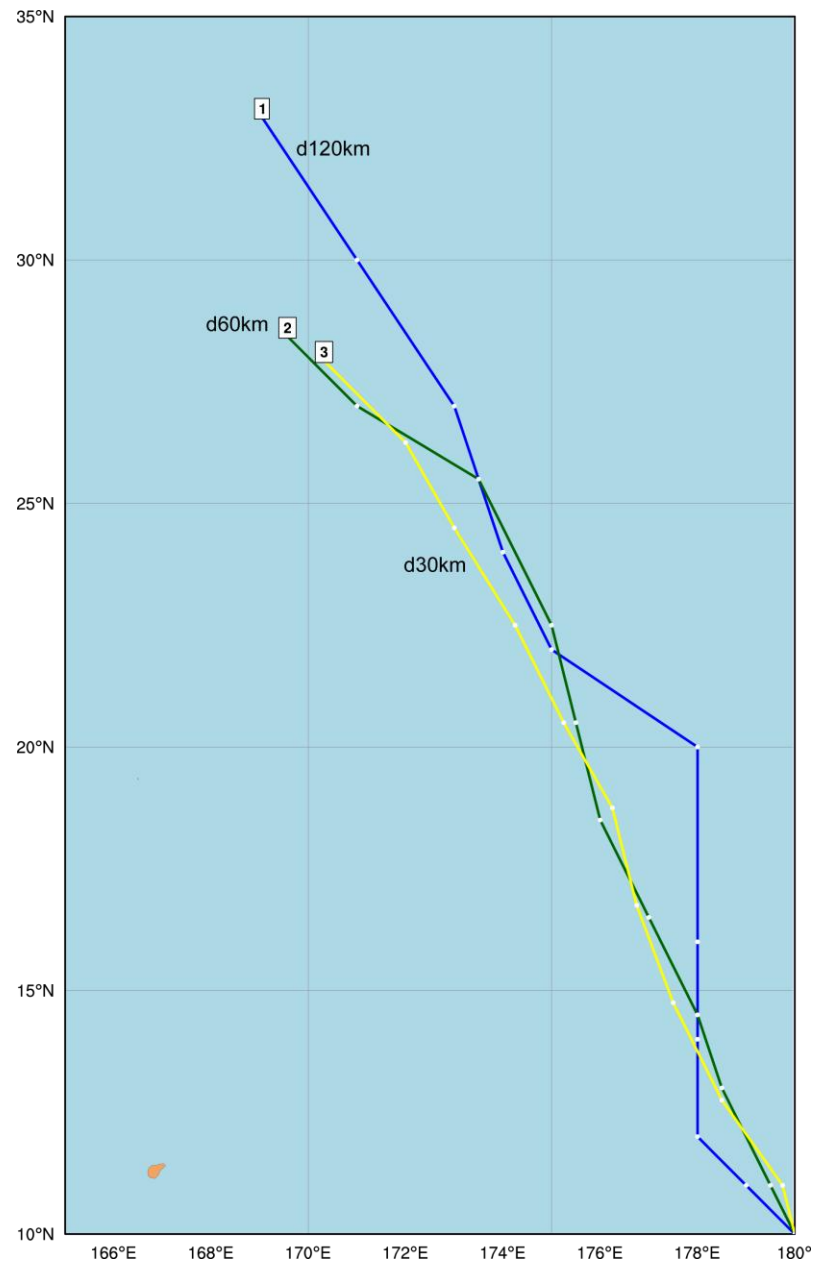
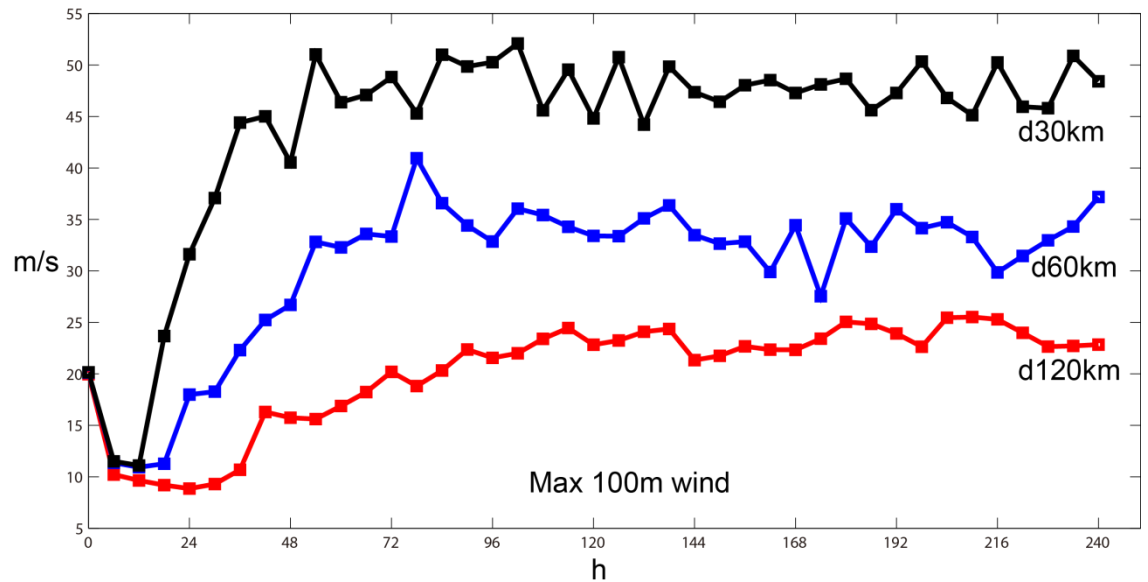
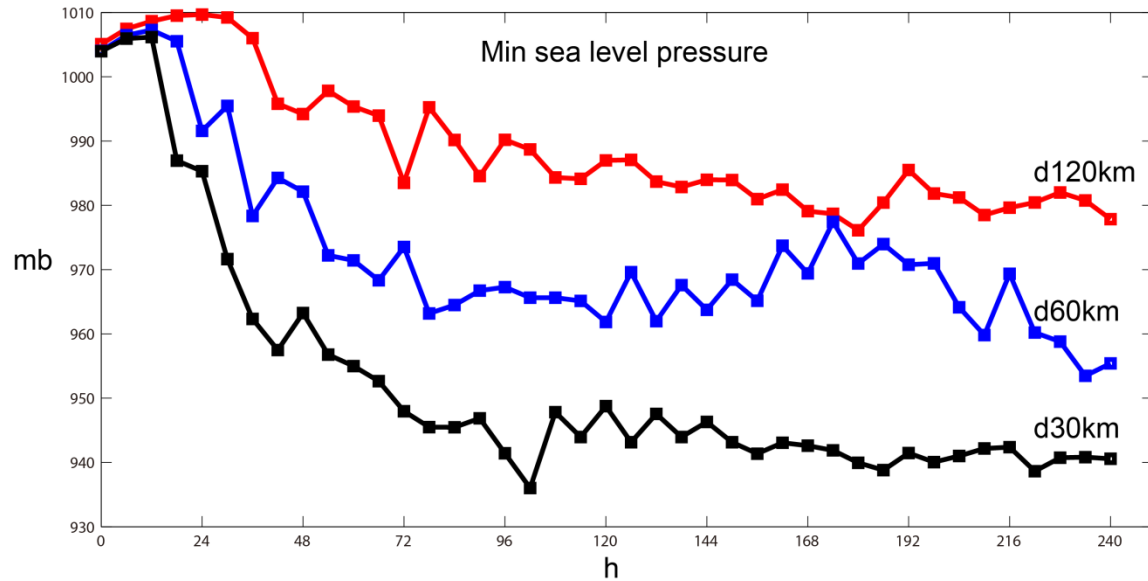


TC track



Control experiment (resolution sensitivity)



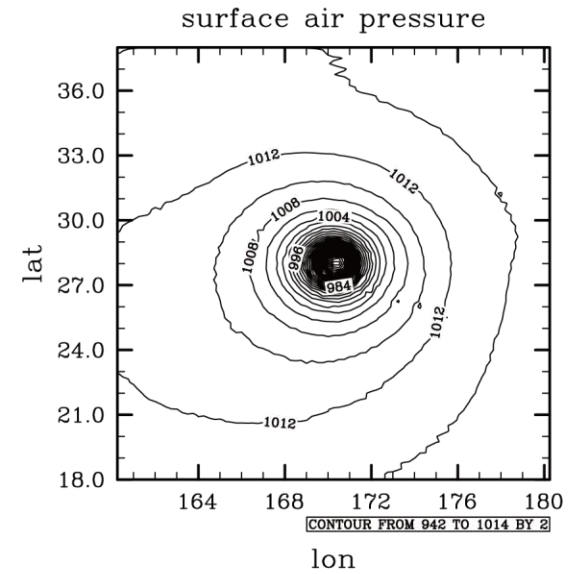
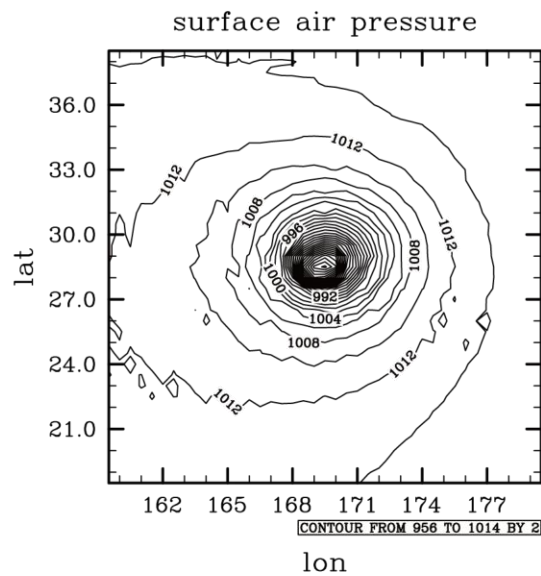
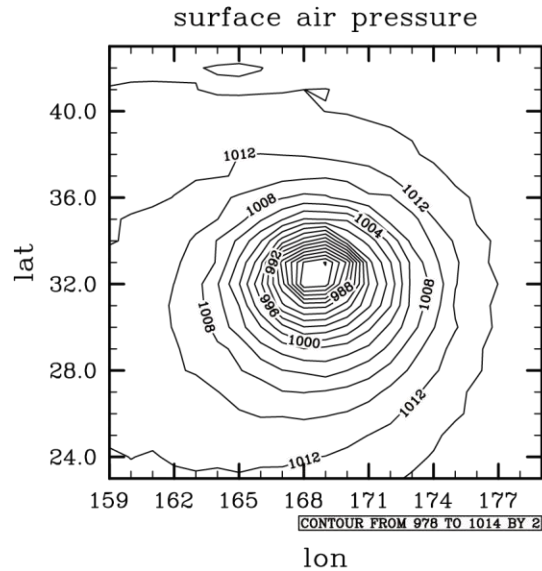
SLP and 100m wind at Day 10

dx~120 km

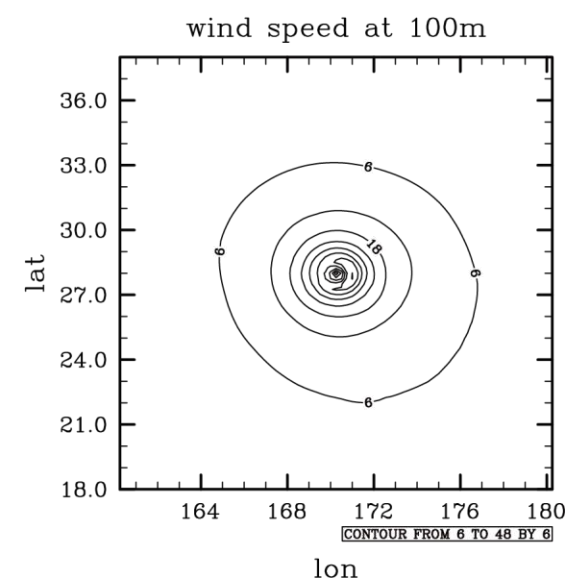
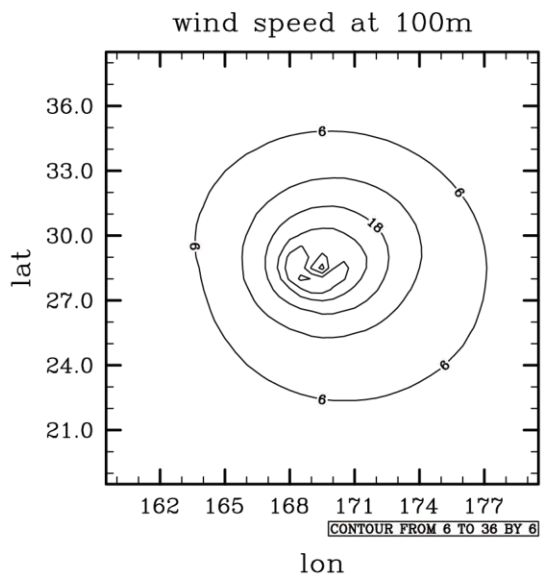
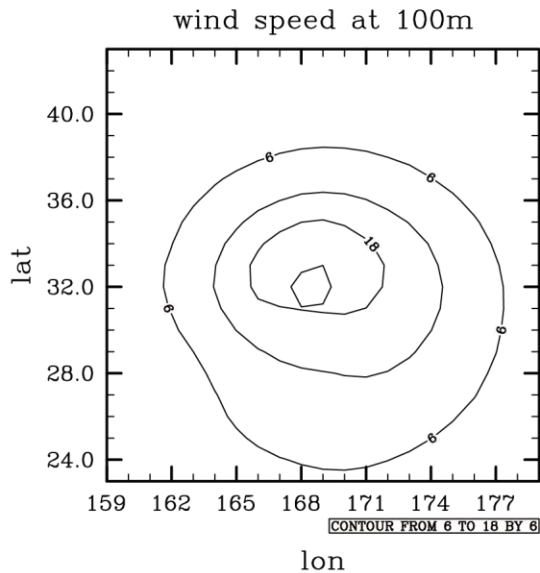
dx~60 km

dx~30 km

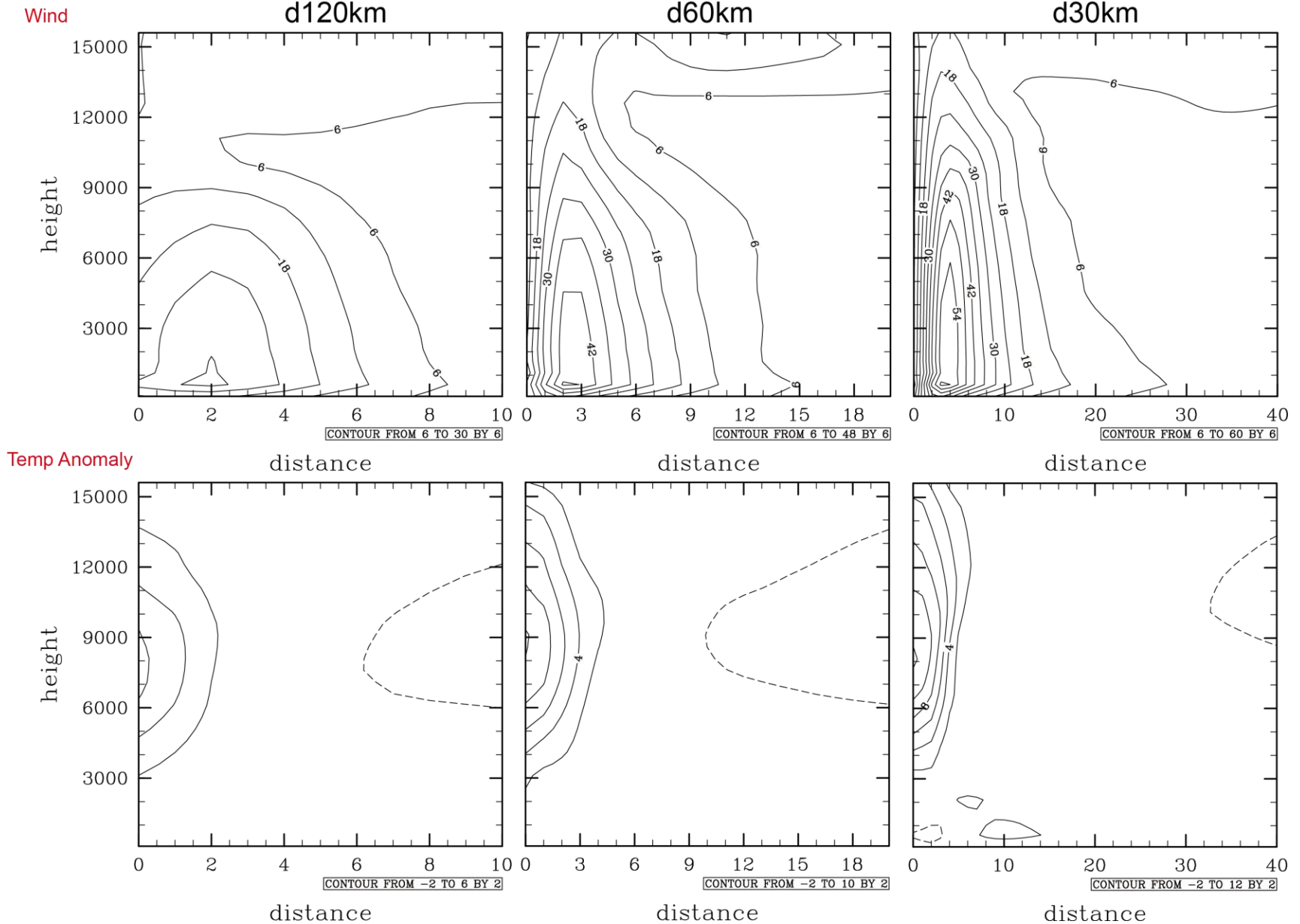
PSFC



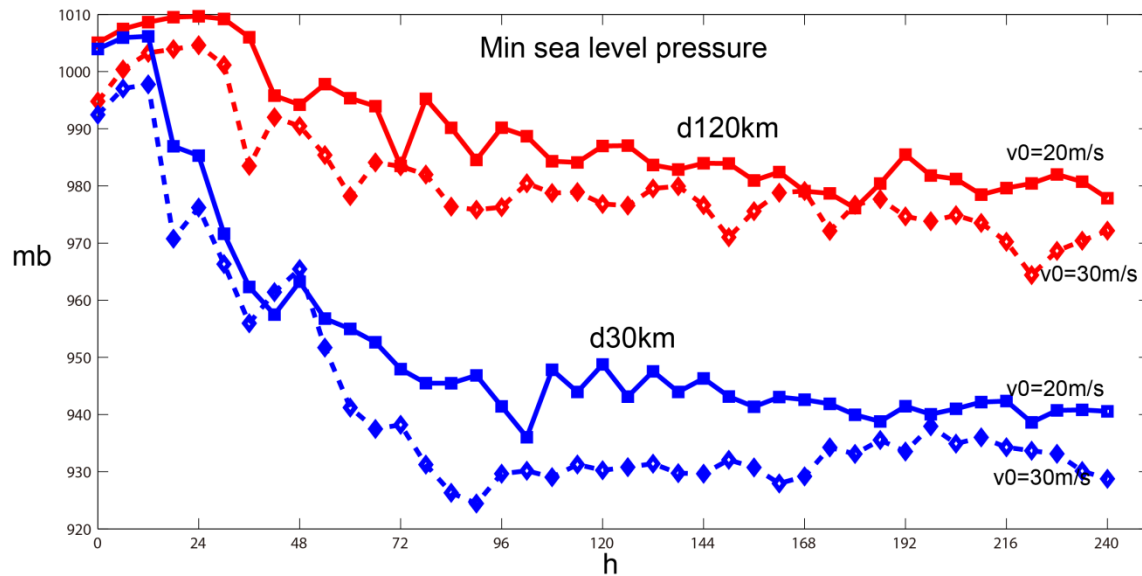
W100m



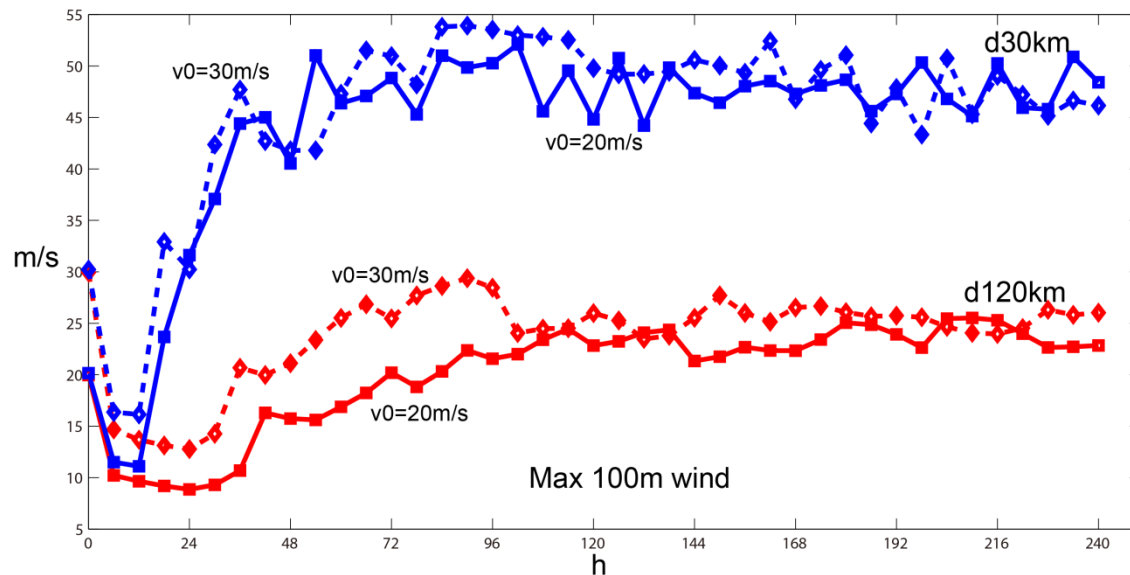
Azimuthal average radius-height at Day 10



Initial Vmax sensitivity

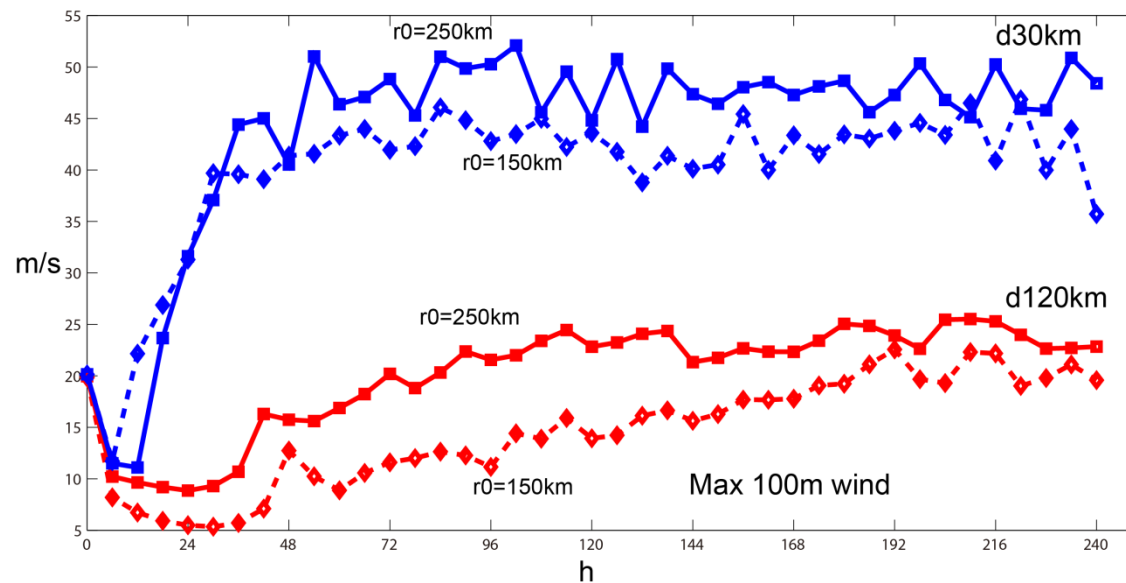
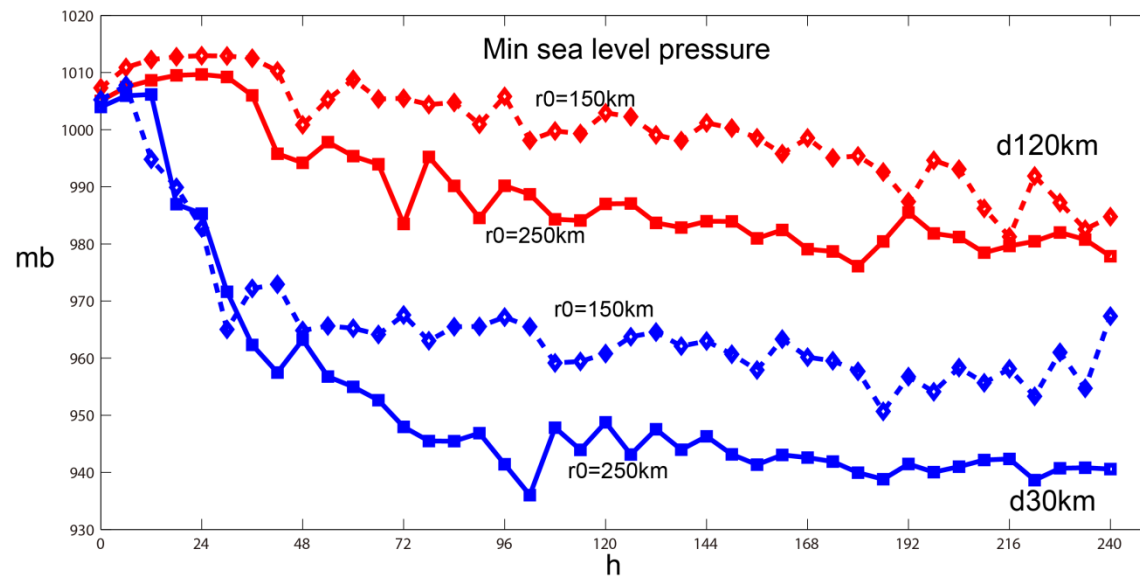


Red-d120km
Blue-d30km



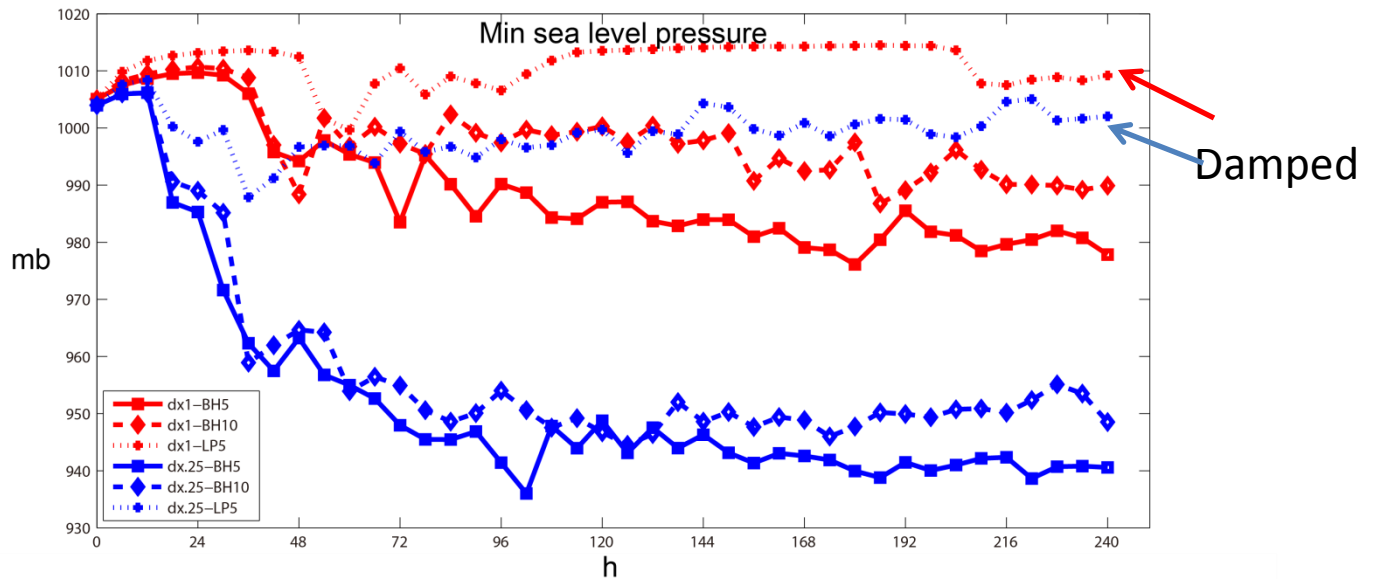
Solid-Vmax=20m/s
Dashed-Vmax=30m/s

Initial RMW sensitivity

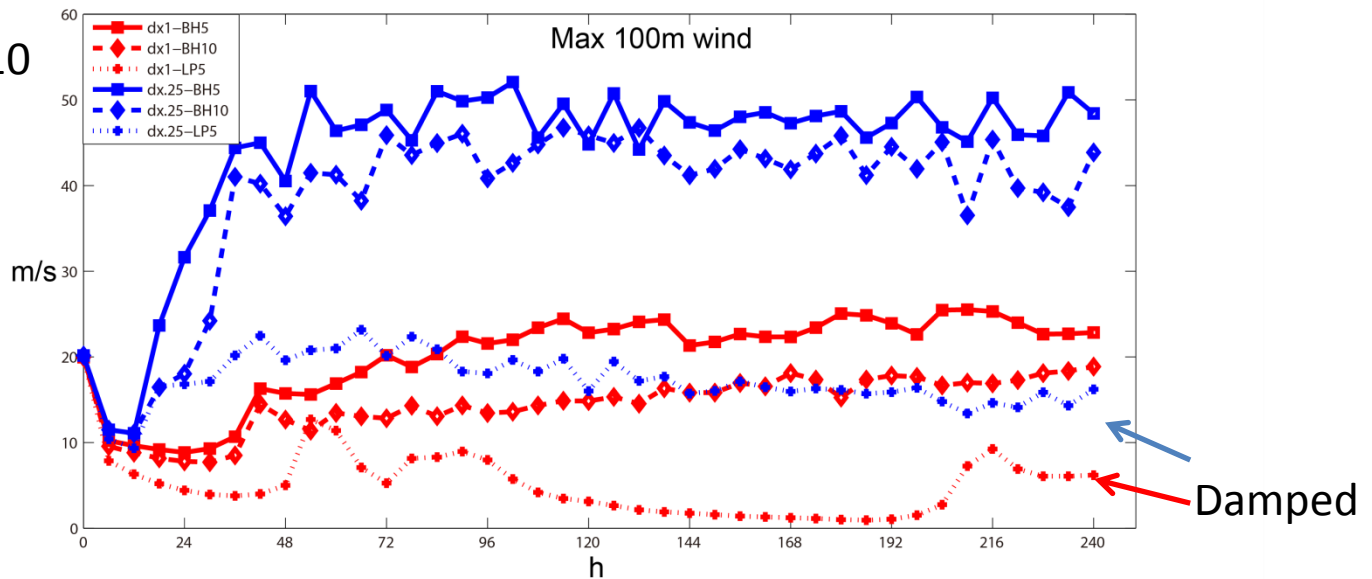


Diffusion sensitivity

Red-d120km
Blue-d30km

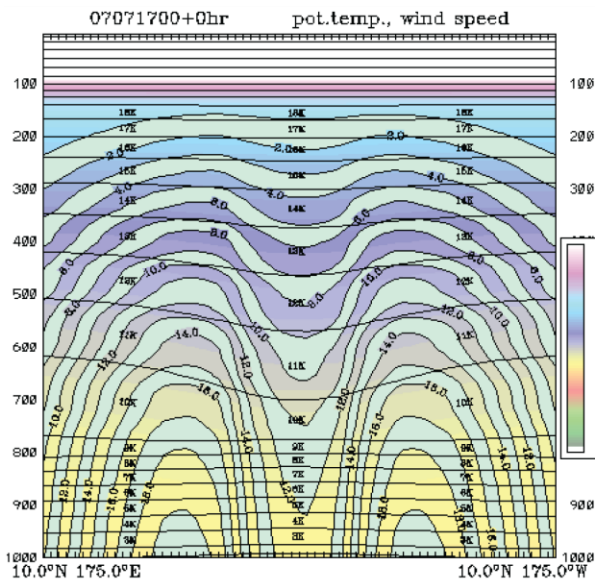


Solid-Biharmonic 5
Dashed-Biharmonic 10
Dotted-Laplacian 5

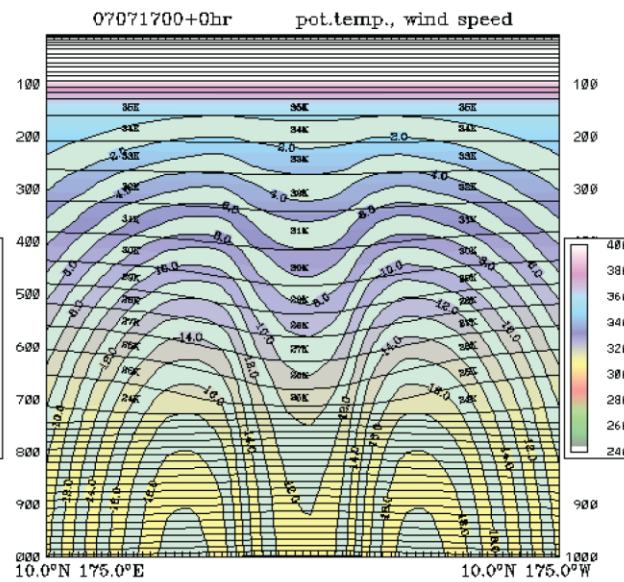


Vertical coordinate choice (t=0)

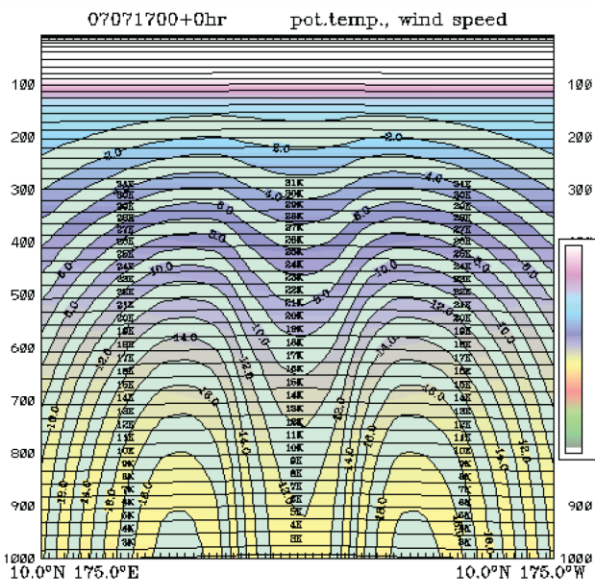
Hybrid 30



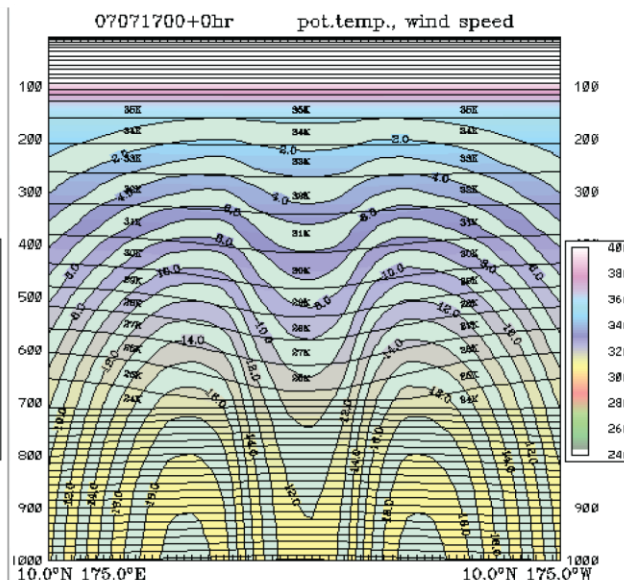
Hybrid 60



Sigma 60



Hybrid 60
Lift the
lowest level



Vertical coordinate choice

