Results of a spun up initial condition run with aqua planet
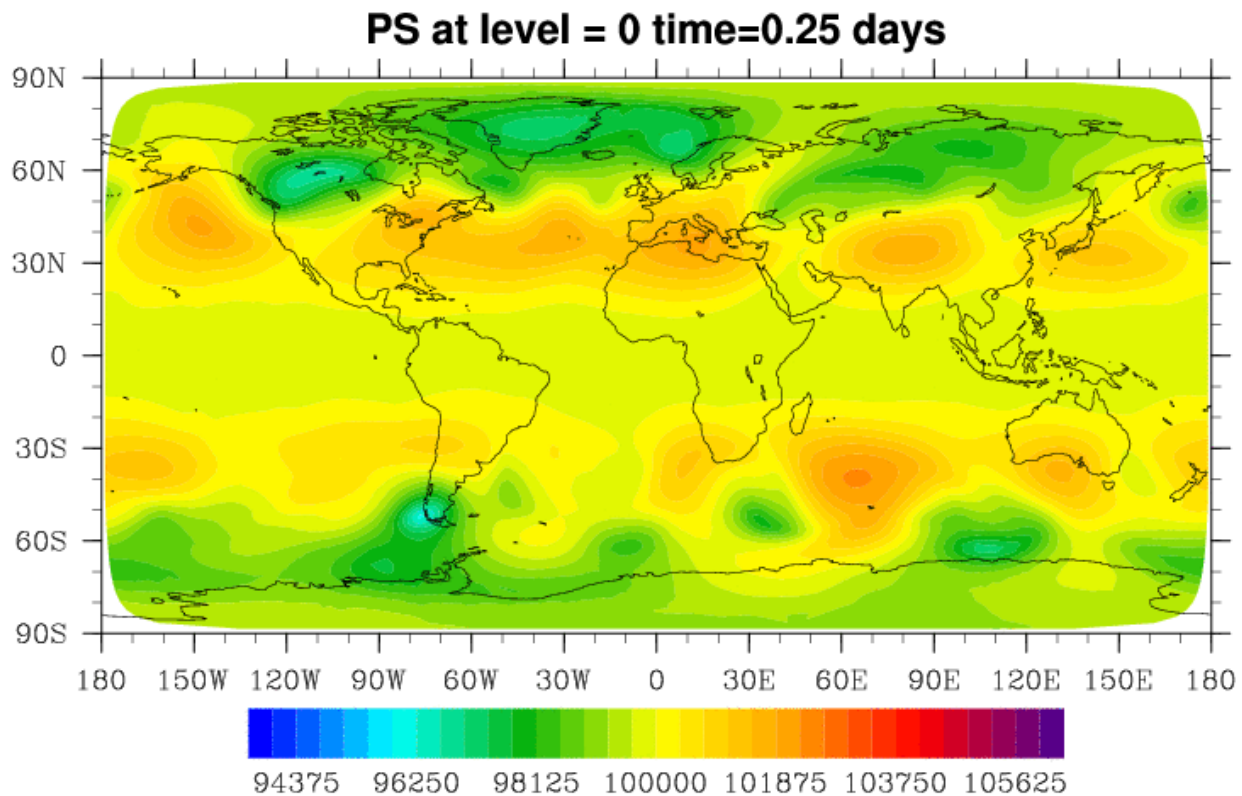
THIS PAGE DOES NOT REFLECT THE CURRENT STATUS: these runs need to be performed again

Spun-up Initial Condition Run with Aqua Planet

For kicks, the spun-up initial conditions for Held-Suarez were used for an aqua planet run (this may or may not be appropriate). Again, the cubed-sphere outline appears in the solution after a short time (1.75 days) causing the run to crash.
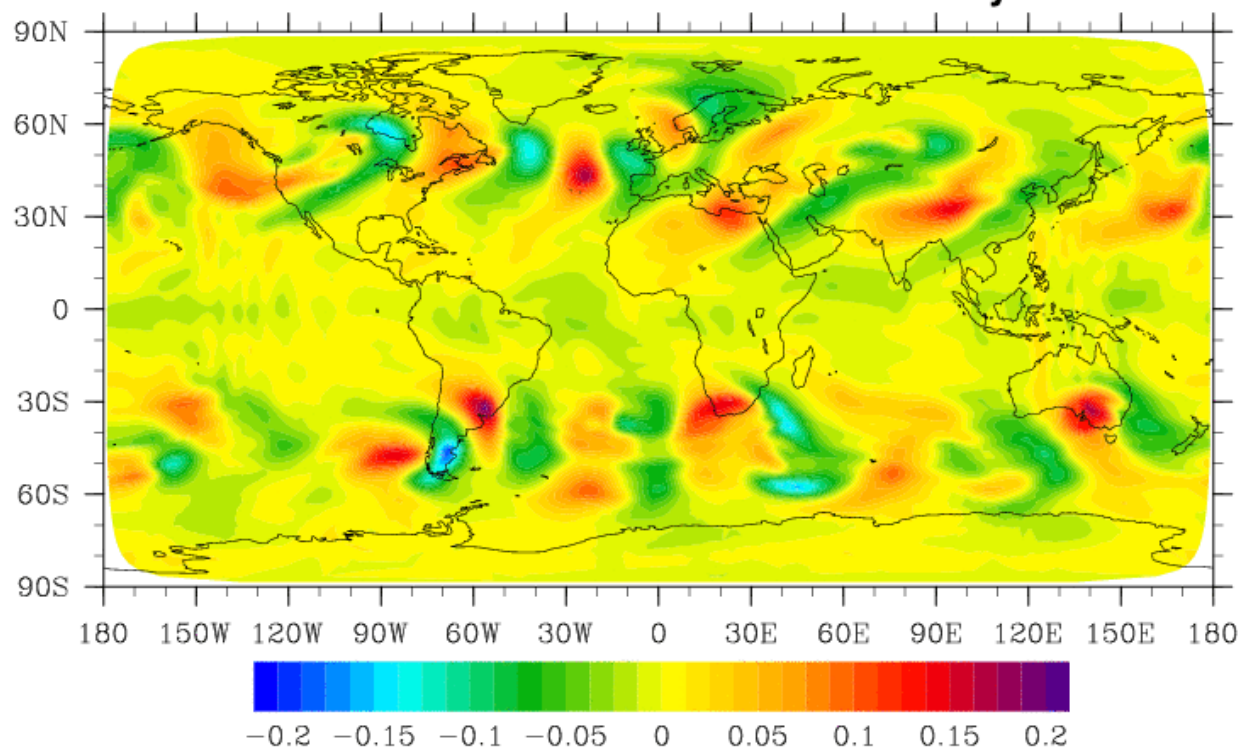
A possible culprit is the dry air mass calculation, which, in contrast to the Ideal Physics and adiabatic run, is used in aqua planet. A code review might be an order. Other than that, cam3_5 physics is being for the first time, and could be an issue.

Surface Pressure

Vertical Velocity at 850mb

OMEGA850 at level = 0 time=0.25 days

Temperature at 850mb

T850 at level = 0 time=0.25 days