

POP vertical grid experiments

POP Vertical Grid Experiments

Fully-Coupled

<center>Experiment	Description	Initialization	Diagnostics			
			Atmosphere	Ice	Land	Ocean
b01	ccsm3_5_beta12, 60-lvl vert grid, default setup	Levitus/PHC2	Atm	Ice	Lnd	pd.timeseries , pd.21-30 , pd.61-70 , pd.81-100 ,
b10	ccsm3_5_beta12, 60-lvl vert grid, 6m surface thickness, topography internal	Levitus/PHC2	Atm	Ice	Lnd	pd.timeseries , pdts.b01_diff , pd.21-30 , pd.61-70 , pd.81-100 ,
b11	ccsm3_5_beta12, 110-lvl vert grid, 6m surface thickness, topography internal	Levitus/PHC2	Atm	Ice	Lnd	pd.timeseries , pd.21-30 , pd.61-70 , pd.81-100 ,
b12	ccsm3_5_beta12, 100-lvl vert grid, 8m-->3m surface thickness, topography internal	Levitus/PHC2	Atm	Ice	Lnd	pd.timeseries , pd.21-30 , pd.61-70 , pd.81-100 ,
b40.999a	CCSM4 1990 control, 1.9x2.5_gx1v5, 100-lvl vert grid, 3m surface thickness	Levitus/PHC2	Atm	Ice	Lnd	pd.timeseries , pd.24-28 , pd.81-100 ,

Ocean-Alone

<center>Experiment	Description	Initialization	Diagnostics			
			Atmosphere (datm7)	Ice (dice7)	Land (dln7)	Ocean (pop2)
c2x1.007	ccsm3_5_beta02, 60-lvl vert grid, online kmt generation	Levitus/PHC2 remapped online	Atm	Ice	Lnd	pd.11-15 , pd. timeseries ,
c2x1.007k	ccsm3_5_beta02, 60-lvl vert grid, bckgrnd_vdc1 = 0.01	Levitus/PHC2 remapped online	Atm	Ice	Lnd	pd.11-15 , pd. timeseries ,
c2x1.007lw	ccsm3_5_beta02, 60-lvl vert grid, identical to c2x1.007 but uses lw_lim	Levitus/PHC2 remapped online	Atm	Ice	Lnd	pd.11-15 , pd. timeseries ,
c2x1.007m	ccsm3_5_beta02, 60-lvl vert grid, bckgrnd_vdc1 = f👍	Levitus/PHC2 remapped online	Atm	Ice	Lnd	pd. timeseries , pd.11-15 ,
c2x1.008	ccsm3_5_beta02, 40-lvl vert grid, online kmt generation	Levitus/PHC2 remapped online	Atm	Ice	Lnd	pd.11-15 ,
c2x1.008lw	identical to c2x1.008, but lax-wendroff	Levitus/PHC2 remapped online	Atm	Ice	Lnd	pd.11-15 ,
c2x1.009	ccsm3_5_beta02, 80-lvl vert grid, online kmt generation	Levitus/PHC2 remapped online	Atm	Ice	Lnd	pd.11-15 ,
c2x1.010	ccsm3_5_beta02, 110-lvl vert grid, online kmt generation	Levitus/PHC2 remapped online	Atm	Ice	Lnd	pd. timeseries , pd.11-15 ,
c2x1.010k	110-lvl vert grid, identical to c2x1.010 but bckgrnd_vdc1=0.01	Levitus/PHC2 remapped online	Atm	Ice	Lnd	pd.11-15 ,
c2x1.011	ccsm3_5_beta02, 80*-lvl vert grid (5m surf), online kmt generation	Levitus/PHC2 remapped online	Atm	Ice	Lnd	pd.11-15 ,

c2x1.012	ccsm3_5_beta02, 60*-lvl vert grid (6m surf), online kmt generation	Levitus/PHC2 remapped online	Atm	Ice	Lnd	pd.11-15,
c2x1.013	ccsm3_5_beta02, 100-lvl vert grid (zgrid_100_8m-3m- 250m.txt), online kmt generation	Levitus/PHC2 remapped online	Atm	Ice	Lnd	pd.11-15,
c2x1.014	ccsm3_5_beta02, 60-lvl vert grid (zgrid_60_3m-250m. txt), online kmt generation	Levitus/PHC2 remapped online	Atm	Ice	Lnd	pd.11-15,
c2x1.015	ccsm3_5_beta02, 100-lvl vert grid (zgrid_100_3m-250m. txt), online kmt generation	Levitus/PHC2 remapped online	Atm	Ice	Lnd	pd.11-15,

Ocean-Ice

<center>Experiment	Description	Initialization	Diagnostics			
			Atmosphere (datm7)	Ice (dice7)	Land (dln7)	Ocean (pop2)
g2x1.007	ccsm3_5_beta02, pop2- cice, 60-lvl vert grid, online kmt generation	Levitus/PHC2 remapped online	Atm	Ice	Lnd	pd.11-15,
g2x1.008	ccsm3_5_beta02, pop2- cice, 40-lvl vert grid, online kmt generation	Levitus/PHC2 remapped online	Atm	Ice	Lnd	pd.11-15,
g2x1.009	ccsm3_5_beta02, pop2- cice, 80-lvl vert grid, online kmt generation	Levitus/PHC2 remapped online	Atm	Ice	Lnd	pd.11-15,