

# POP vertical grid experiments

## POP Vertical Grid Experiments

### Fully-Coupled

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

### Ocean-Along

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

<b>c2x1.012</b>	ccsm3_5_beta02, 60°-lvl vert grid (6m surf), online kmt generation	Levitus/PHC2 remapped online	Atm	Ice	Lnd	<a href="#">pd.11-15,</a>
<b>c2x1.013</b>	ccsm3_5_beta02, 100-lvl vert grid (zgrid_100_8m-3m- 250m.txt), online kmt generation	Levitus/PHC2 remapped online	Atm	Ice	Lnd	<a href="#">pd.11-15,</a>
<b>c2x1.014</b>	ccsm3_5_beta02, 60-lvl vert grid (zgrid_60_3m-250m. txt), online kmt generation	Levitus/PHC2 remapped online	Atm	Ice	Lnd	<a href="#">pd.11-15,</a>
<b>c2x1.015</b>	ccsm3_5_beta02, 100-lvl vert grid (zgrid_100_3m-250m. txt), online kmt generation	Levitus/PHC2 remapped online	Atm	Ice	Lnd	<a href="#">pd.11-15,</a>

## Ocean-Ice

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