

Low-Res Ecosystem

Fully-Coupled

<center>Experiment	Description	Initialization	Diagnostics			
			Atmosphere	Ice	Land	Ocean
speciescont	ccsm3.5beta23, control w/ active ecosystem	Levitus/PHC2	AMWG	Ice	Lnd	pd.timeseries, pd.190-210w/obs, pd.211-215w/obs, pd.450-500w/obs,
speciescont_markus	ccsm3.5beta23, control w/ active ecosystem with MODS for enhanced chlorophyll	Levitus/PHC2	AMWG	Ice	Lnd	pd.timeseries, pd.450-500w/obs, pd.450-500w /speciescont,
speciescont3	ccsm3.5beta23, control w/ active ecosystem with MODS+ for enhanced chlorophyll	Levitus/PHC2	Atm	Ice	Lnd	pd.timeseries, pd.211-215w/obs, pd.450-500w/obs, pd.450-500w /speciescont,
species1	ccsm3.5beta23, branch from speciescont using 12-month chlorophyll climatology (speciescont.0190-0210.chl.ieeer8)	0211-01-01 of speciescont	Atm	Ice	Lnd	pd.timeseries, pd.300-314w/obs, pd.450-500w/obs, pd.450-500w /speciescont,
species2	ccsm3.5beta23, branch from speciescont_markus using 12-month chlorophyll climatology (speciescont_markus.0190-0210.chl.ieeer8)	0211-01-01 of speciescont_markus	Atm	Ice	Lnd	pd.timeseries, pd.450-500w/obs, pd.450-500w /speciescont_markus ,
speciescont4	ccsm3.5beta23, active ecosystem, mods include enhanced vertical diffusivity, new Fe data, etc	Levitus/PHC	Atm	Ice	Lnd	pd.451-500w/obs, pd.timeseries,
species4	ccsm3.5beta23, seasonal chlorophyll (speciescont4.0190-0210.chl.ieeer8), enhanced vertical diffusivity	Levitus/PHC	Atm	Ice	Lnd	pd.451-500w/obs, pd.451-500w /speciescont4, pd.timeseries,
ceno	description?	?	Atm	Ice	Lnd	pd.timeseries,
lgm	description?	?	Atm	Ice	Lnd	pd.timeseries,
bx3eco.25z.01	ccsm4.0_beta17, ecosys OFF, tidal ON, out-of-box, 25-level	Levitus/PHC	Atm	331-350,	Lnd	30-30, 111-120, 231-250, 331-350, pd.timeseries,
bx3eco.60z.01	ccsm4.0_beta17, ecosys OFF, tidal ON, out-of-box, 60-level	Levitus/PHC	Atm	331-350,	Lnd	30-30, 111-120, 231-250, 331-350, pd.timeseries,

Ocean Only

<center>Experiment	Description	Initialization	Diagnostics			
			Atmosphere	Ice	Land	Ocean
cx3eco.2	Ocean-only NYF tuna spinup, ccs3_5_beta23, enhanced background vdc, new feses file	Levitus/PHC	Atm	Ice	Lnd	pd.timeseries ,
cx3eco.3	Ocean-only NYF tuna spinup, ccs3_5_beta23, enhanced background vdc, new feses file, added 2W/m^2 to LWDN	Levitus/PHC	Atm	Ice	Lnd	pd.timeseries ,
cx3eco.4	Ocean-only NYF tuna spinup, ccs3_5_beta23, enhanced background vdc, new feses file, added 5W/m^2 to LWDN	Levitus/PHC	Atm	Ice	Lnd	pd.timeseries ,
cx3eco.5	Ocean-only NYF tuna spinup, ccs3_5_beta23, ORIGINAL background vdc=0.524, new feses file	Levitus/PHC	Atm	Ice	Lnd	pd.timeseries ,

cx3eco.6	Ocean-only NYF tuna spinup, ccsm3_5_beta23, enhanced background vdc, new feses file, added 10W/m ² to LWDN	Levitus/PHC	Atm	Ice	Lnd	pd. timeseries , ,
cx3eco.7	Ocean-only NYF tuna spinup, ccsm3_5_beta23, enhanced background vdc, new feses file, added 5W/m ² to LWDN, used weak salinity restoring	Levitus/PHC	Atm	Ice	Lnd	pd. timeseries , 536-555,
cx3eco.7iaf	Ocean-only IAF tuna spinup, ccsm3_5_beta23, enhanced background vdc, new feses file, added 5W/m ² to LWDN, used weak salinity restoring	501-01-01 of cx3eco.7	Atm	Ice	Lnd	pd. timeseries , 536-555,
cx3eco.8	Identical to cx3eco.7, BUT CORE2 latitudinal SW correction, tidal mixing ON, bckgrnd_vdc1 = 0.2, ICE_REF_SAL = 0.	Levitus/PHC	Atm	Ice	Lnd	pd. timeseries , 251-260, 451-500,
cx3eco.8iaf	Identical to cx3eco.8, run with CORE2 IAF 1949-2003 from years 501-555	cx3eco.8 501-01-01	Atm	Ice	Lnd	pd. timeseries , 546-555,
cx3eco.9	Identical to cx3eco.8, BUT use old (high) viscosity as in CCSM3.0	Levitus/PHC	Atm	Ice	Lnd	pd. timeseries , 251-260,
cx3eco.10	Identical to cx3eco.8, BUT constant thickness diffusion	Levitus/PHC	Atm	Ice	Lnd	pd. timeseries , 341-350, 451-500,
cx3eco.10iaf	Identical to cx3eco.10, run with CORE2 IAF 1949-2003 from years 501-555	cx3eco.10 501-01-01	Atm	Ice	Lnd	pd. timeseries , 546-555,
cx3eco.11	Identical to cx3eco.10, BUT kappa_isop_choice = vmhs, use_const_ah_bkg_srfbl = .false.	Levitus/PHC	Atm	Ice	Lnd	pd. timeseries , 341-350, 451-500,
cx3eco.11iaf	Identical to cx3eco.11, run with CORE2 IAF 1949-2003 from years 501-555	cx3eco.11 501-01-01	Atm	Ice	Lnd	pd. timeseries , 546-555,
cx3.25z.01	ccsm4_0_beta16, set-up as per cx3eco.8, COREv2 NYF, 25-level	Levitus/PHC	Atm	Ice	Lnd	pd. timeseries , 461-470,
cx3.60z.01	ccsm4_0_beta16, set-up as per cx3eco.8, COREv2 NYF, 60-level	Levitus/PHC	Atm	Ice	Lnd	pd. timeseries , 461-470,
gx3eco	Ocean-Ice NYF tuna spinup, ccsm3_5_beta23, ORIGINAL background vdc=0.524, new feses file	Levitus/PHC	Atm	Ice	Lnd	pd. timeseries , ,