

Schedule for BGC overview paper.

GOAL: Submit before Memorial Day

- This is an ambitious timeline, so we will need to make a focused effort to pull it off.
- Please look at your calendars for upcoming commitments that might interfere with this timeline and let Kate and I know. Plan ahead for workarounds if possible.

Due date	Task	POC (and team members)
3/8	ECA Production simulations started	Qing Zhu (Jinyun Tang)
3/19	Timeline to co-authors	Susannah Burrows
3/29	Input on model description sections and appendices	
	<ul style="list-style-type: none"> • CTC description section 	Peter Thornton (Xiaojuan Yang, Xiaoying Shi, Dan Ricciuto)
	<ul style="list-style-type: none"> • Ocean model description section 	Mat Maltrud
	<ul style="list-style-type: none"> • Ocean model nitrogen deposition input file 	Mat Maltrud
	<ul style="list-style-type: none"> • Provenance information for initial condition of ocean BGC spinup 	Mat Maltrud
	<ul style="list-style-type: none"> • Description of ocean and sea ice analysis packages (MPAS-Analysis?) 	Nicole Jeffrey
	<ul style="list-style-type: none"> • Tuning criteria (ocean and sea ice) 	Mat Maltrud (Nicole Jeffrey)
	<ul style="list-style-type: none"> • Appendix documenting ILAMB / IOMB 	Forrest Hoffman
3/29	Complete routine diagnostics for CTC simulations	
	<ul style="list-style-type: none"> • LMWG, A-PRIME for near-present day ("first draft" through 2014) 	Xiaoying Shi
	<ul style="list-style-type: none"> • ILAMB comparison with obs, and time series (through 2014) 	Dan Ricciuto
	<ul style="list-style-type: none"> • Ocean – climatology and time series plots (first draft) 	Mat Maltrud
	<ul style="list-style-type: none"> • Sea ice – climatology and time series plots (first draft) 	Nicole Jeffrey
	<ul style="list-style-type: none"> • Atmosphere – AMWG climatology for near-present day and time series plots (first draft) 	Lee Brent
4/5	Complete first drafts of introduction, model tuning section, spinup and simulation description, and appendices to specific coauthors for review	Susannah Burrows
4/5	Deadline for draft versions of ALL figures (CTC and ocean/sea-ice), including caption, and a few bullet points or sentences of key points for discussion.	

	<ul style="list-style-type: none"> • Spinup procedure plot 	Xiaoying Shi
	<ul style="list-style-type: none"> • Schematic diagrams of carbon, nitrogen, and phosphorus cycles 	Susannah Burrows (with support from graphics staff)
	<ul style="list-style-type: none"> • Time series: Global mean surface temperature, RESTOM 	Lee Brent
	<ul style="list-style-type: none"> • Time series: NBP 	Qing Zhu
	<ul style="list-style-type: none"> • Time series: Air-sea CO2 exchange 	Mat Maltrud
	<ul style="list-style-type: none"> • Time series: total carbon partitioning 	TBD?
	<ul style="list-style-type: none"> • Time series: Land model nitrogen, phosphorus pools 	Xiaojuan Yang
	<ul style="list-style-type: none"> • Map of global Nitrogen, Phosphorus limitation 	Xiaojuan Yang
	<ul style="list-style-type: none"> • Comparison of global carbon, nitrogen budgets to benchmarks (observations, past C4MIPs) 	TBD?
	<ul style="list-style-type: none"> • Beta, gamma plots & comparison to past C4MIPs 	Peter Thornton
	<ul style="list-style-type: none"> • CO2 diagnostics 	Dan Ricciuto
	<ul style="list-style-type: none"> • Global maps of precipitation differences 	Bryce Harrop
	<ul style="list-style-type: none"> • Global snow water equivalent (SWE) compared to obs 	Tian Zhou
	<ul style="list-style-type: none"> • Sea ice thickness (annual average, SH/NH) compared to obs 	Nicole Jeffrey
	<ul style="list-style-type: none"> • Chl-a in sea ice (compared to obs) 	Nicole Jeffrey
	<ul style="list-style-type: none"> • ILAMB benchmark statistics (scorecard) 	Dan Ricciuto / Forrest Hoffman?
	<ul style="list-style-type: none"> • IOMB benchmark statistics (scorecard) 	Olu Ogunro / Forrest Hoffman?
	<ul style="list-style-type: none"> • Additional ocean BGC diagnostics from IOMB or other scrips 	Olu Ogunro / Nicole Jeffrey / Mat Maltrud
4/5	Deadline for initial input on text for results section (captions, description and discussion of first draft figures)	
	Land – CTC	Xiaojuan Yang (Xiaoying Shi, Dan Ricciuto, Forrest Hoffman, Peter Thornton)
	Land – ECA	Qing Zhu (Jinyun Tang, Bill Riley)
	Ocean	Mat Maltrud (Nicole Jeffrey)
	Sea ice	Nicole Jeffrey

	Atmosphere	Bryce Harrop (Philip Cameron-Smith, Susannah Burrows)
4/12	Review / comment deadline for: model description sections, introduction and appendices, simulation description including design, spinup and tuning, and description of planned future developments	
	<ul style="list-style-type: none"> • Introduction 	Kate Calvin (Ruby Leung, Peter Thornton, Bill Riley)
	<ul style="list-style-type: none"> • Simulation design / overview 	Kate Calvin (Ruby Leung, Peter Thornton, Bill Riley)
	<ul style="list-style-type: none"> • Land description 	Peter Thornton, Bill Riley, Xiaojuang Yang, Qing Zhu, Jinyun Tang
	<ul style="list-style-type: none"> • Ocean description 	Mat Maltrud
	<ul style="list-style-type: none"> • Sea ice description 	Nicole Jeffrey
	<ul style="list-style-type: none"> • Atmosphere description 	Bryce Harrop (Philip Cameron-Smith)
	<ul style="list-style-type: none"> • Spinup description – paper section and appendix 	Mat Maltrud (Xiaoying Shi, Qing Zhu)
	<ul style="list-style-type: none"> • Appendix: diagnostic packages 	Forrest Hoffman (Nate Collier, Olu Ogunro, Mat Maltrud)
	<ul style="list-style-type: none"> • Appendix: input files 	Philip Cameron-Smith (Kate Calvin, Qing Zhu, Xiaojuan Yang)
	<ul style="list-style-type: none"> • Appendix: description of ocean baroclinic time step change 	Mat Maltrud
4/12	First draft of results and discussion sections to team for review	Susannah Burrows
4/19 (Fri)	ECA Simulations completed	Qing Zhu (Jinyun Tang)
4/26 (Fri)	Complete routine diagnostics for ECA simulations	
4/26 (Fri)	Deadline for initial comments on results / discussion, final comments on figures	All
5/3 (Fri)	Deadline for finalized figures and input on results texts INCLUDING added ECA results	All
	<ul style="list-style-type: none"> • CTC versus ECA comparisons, e.g.: <ul style="list-style-type: none"> ○ GPP geographic distribution versus FluxNet Zonal latitudinal values for root and vegetation N, P	TBD?
5/10 (Fri)	Deadline for final review / comments on paper	All

5/17 (Fri)	Completed paper to communications staff for proofreading <ul style="list-style-type: none">• Technical editing• Proofreading reference list• Making colors and fonts consistent across figures?	Susannah Burrows
5/23 (Thu)	Completed proofreading / typesetting review	Communications staff
5/24 (Fri)	Submit paper by noon	Susannah Burrows