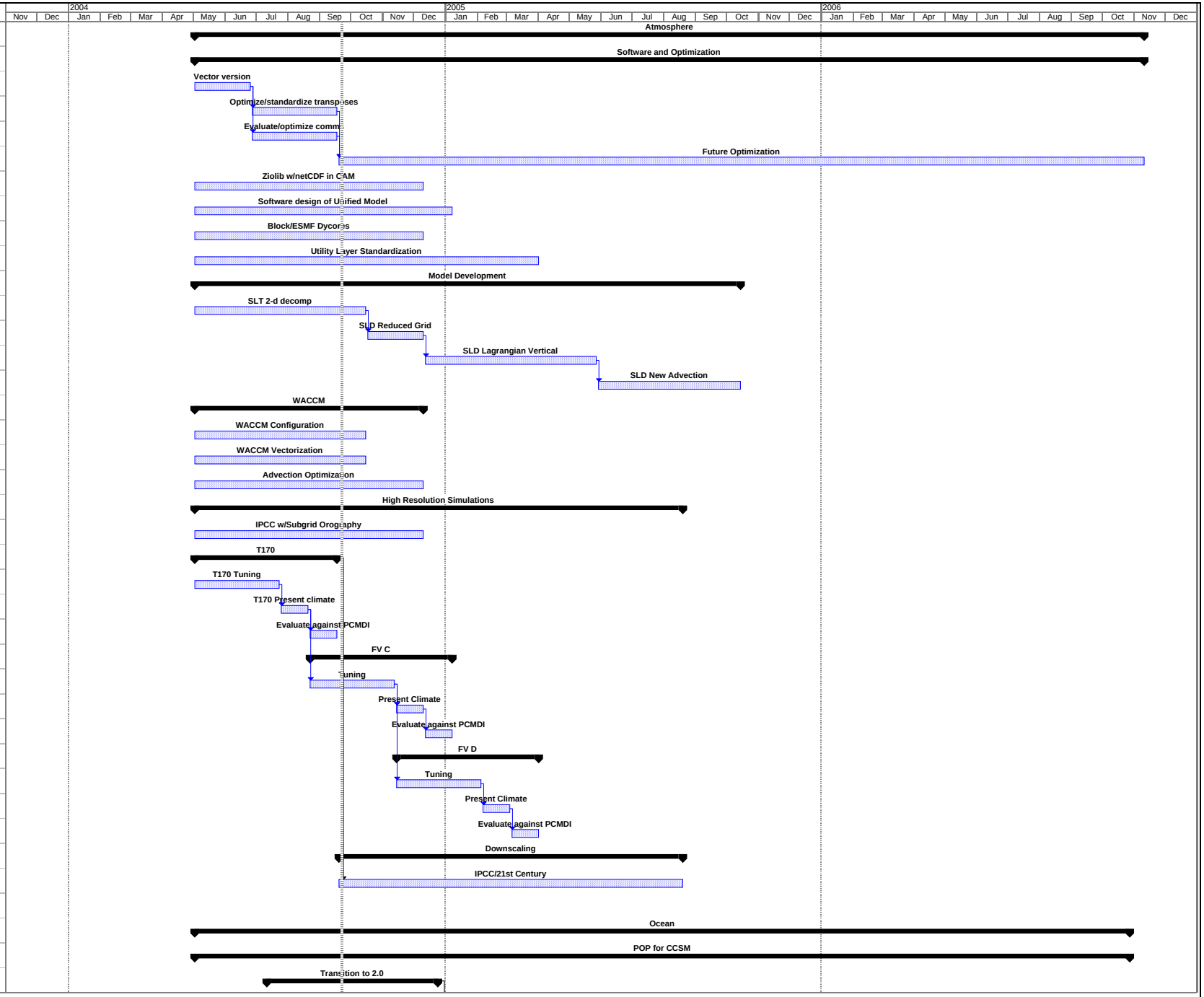
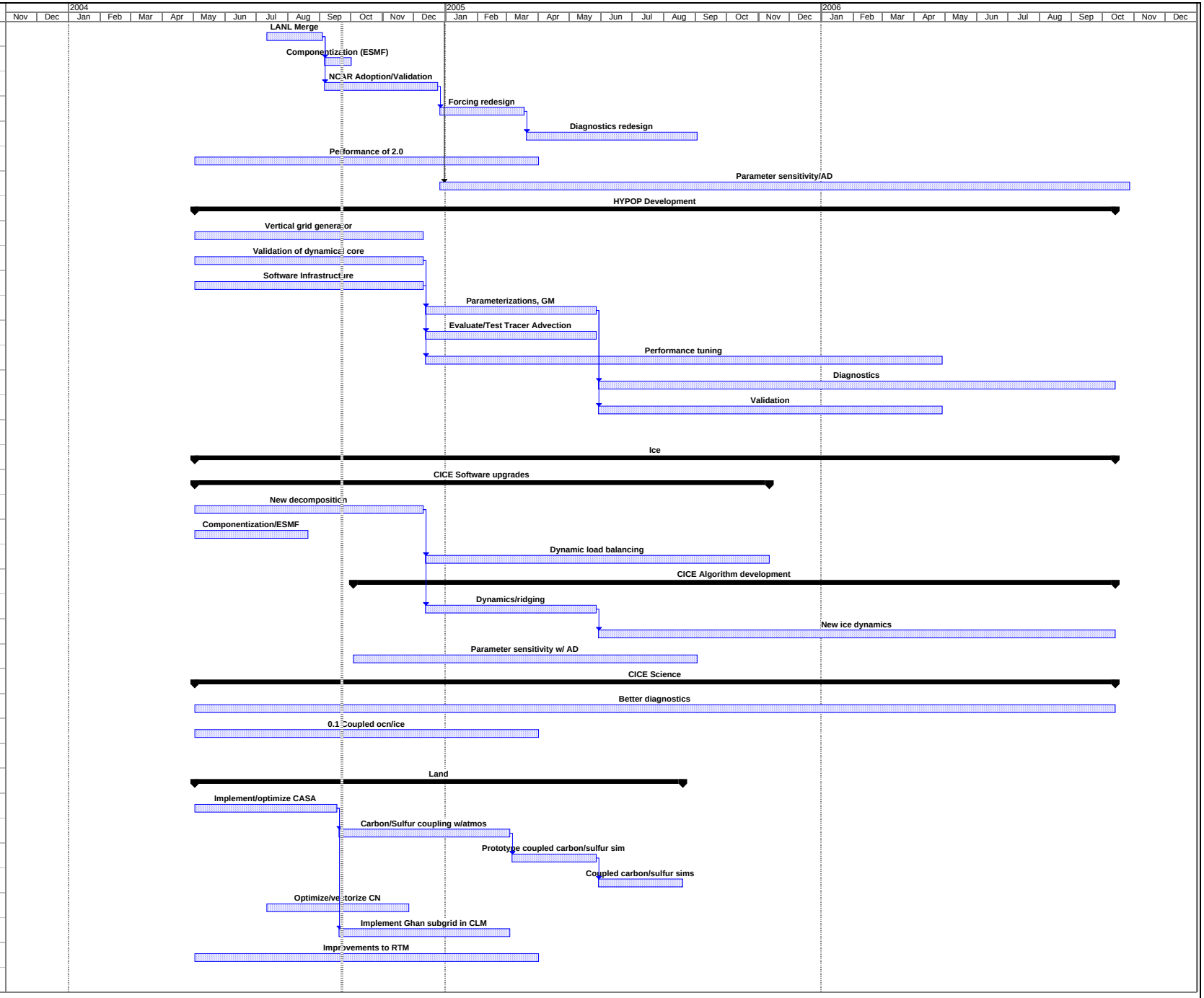
ID	Task Name
1	**Atmosphere**
2	**Software and Optimization**
3	Vector version
4	Optimize/standardize transposes
5	Evaluate/optimize comms
6	Future Optimization
7	Ziolib w/netCDF in CAM
8	Software design of Unified Model
9	Block/ESMF Dycores
10	Utility Layer Standardization
11	**Model Development**
12	SLT 2-d decomp
13	SLD Reduced Grid
14	SLD Lagrangian Vertical
15	SLD New Advection
16	**WACCM**
17	WACCM Configuration
18	WACCM Vectorization
19	Advection Optimization
20	**High Resolution Simulations**
21	IPCC w/Subgrid Orography
22	**T170**
23	T170 Tuning
24	T170 Present climate
25	Evaluate against PCMDI
26	**FV C**
27	Tuning
28	Present Climate
29	Evaluate against PCMDI
30	**FV D**
31	Tuning
32	Present Climate
33	Evaluate against PCMDI
34	**Downscaling**
35	IPCC/21st Century
36	
37	**Ocean**
38	**POP for CCSM**
39	**Transition to 2.0**



Project: OceanIceTasks
Date: Wed 9/22/04

Task | Split | Progress | Milestone | Summary | Project Summary | External Tasks | External Milestone | Deadline

ID	Task Name
40	LANL Merge
41	Componentization (ESMF)
42	NCAR Adoption/Validation
43	Forcing redesign
44	Diagnostics redesign
45	Performance of 2.0
46	Parameter sensitivity/AD
47	**HYPOP Development**
48	Vertical grid generator
49	Validation of dynamical core
50	Software Infrastructure
51	Parameterizations, GM
52	Evaluate/Test Tracer Advection
53	Performance tuning
54	Diagnostics
55	Validation
56	
57	**Ice**
58	**CICE Software upgrades**
59	New decomposition
60	Componentization/ESMF
61	Dynamic load balancing
62	**CICE Algorithm development**
63	Dynamics/ridging
64	New ice dynamics
65	Parameter sensitivity w/ AD
66	**CICE Science**
67	Better diagnostics
68	0.1 Coupled ocn/ice
69	
70	**Land**
71	Implement/optimize CASA
72	Carbon/Sulfur coupling w/atmos
73	Prototype coupled carbon/sulfur sim
74	Coupled carbon/sulfur sims
75	Optimize/vectorize CN
76	Implement Ghan subgrid in CLM
77	Improvements to RTM
78	



Project: OceanIceTasks
Date: Wed 9/22/04

Task | Split | Progress | Milestone | Summary | Project Summary | External Tasks | External Milestone | Deadline

ID	Task Name
79	**Coupler**
80	Single executable CCSM
81	Improve ice/cpl comms
82	Incorporate subgrid orography
83	Sequential comp execution
84	OpenMP in MCT/cpl6
85	Optimize parallel data transfer
86	Optimize inter-component handshaking
87	Coupler science
88	Design for carbon/sulfur coupling
89	Carbon/sulfur implementation
90	
91	**Atmospheric chemistry**
92	Install CAM/WACCM code LLNL
93	Reactive chemistry in CAM3
94	Ghan CCN formation
95	Develop full mechanism
96	Develop compact mechanism
97	Add sulfur to TS4 (compact) mechanism
98	Add "missing" aerosols
99	CCM3 w/interactive sulfur (no rad)
100	Exchange carbon/sulfur species w/ ocn
101	Implement sulfur/radiation interactions
102	Prototype coupled carbon/sulfur simulation
103	Coupled carbon/sulfur sims
104	Validate model
105	Validate GCM with PCMDI diagnostics
106	Develop methane fluxes
107	Metadata for IMPACT from CAM/WACCM
108	Pass dust to oceans
109	
110	**Ocean biogeochemistry**
111	Implement Doney/Moore/Lindsay in CCSM POP
112	Add trace gas modules to DML
113	CCM3 w/non-interacting BGC
114	Communicate DMS w/ atmosphere
115	Prototype coupled carbon/sulfur simulation
116	Coupled carbon/sulfur sims
117	Add/assess dust,Fe from atm

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