Date	Start	End	Interrupt	Delta (min)	Producti	Units	Activity	Comments
2012-03-16	21:41:00	23:36:00	10	105			Project Management	Working on gForge commit, and updating web page. Thought there was an issue with the gForge server because of error message. It took a while, but it looks like files are out there. Had to change the search range to the next day. It cuts off at midnight (start) of the selected day.
2012-03-17	22:30:00	0:29:00	3	116			P3	Creating route files for low, medium and high loads. Initial creation of sumo network runner and a test agent to verify operation. (SR1, SR2, SR3 completed)
2012-03-18	14:30:00	16:45:00	5	130			Project Management, P3	Installed GanttProject on work machine. Updated Project Gantt. Work on action items. Updated Visual Paradigm. Trouble with printer driver. Re-installed. Minor updates to SR 18 in vision document.
2012-03-18	23:00:00	23:30:00	0	30			P3	Added some notes to sequence diagram. Additional research on TLS program specification.
2012-03-19	22:00:00	22:30:00	0	30			P3	Reading responses in SUMO group to observations/question. Updated config files.
2012-03-20	12:43:00	13:07:00	1	23			SAD	Worked on Systems Analysis Diagram
2012-03-20				30			SAD	Revised Systems Analysis Diagram
2012-03-21	6:30:00	6:52:00	0	22			Project Management	Committing changes, cleaning up some XML
2012-03-21				60				Updated Erlang and RabbitMQ on one of the node/test machines. Reviewed RabbitMQ code.
2012-03-22	12:30:00	13:09:00	0	39			SAD	working on SAD
2012-03-23	15:00:00	16:00:00		60			SAD	Trying to update VP-UML. Worked on SAD. Updated VP-UML.
2012-03-24				60			Python	Reading Python book
2012-03-25	16:00:00	19:20:00	10	190			Coding	Lots of work, primarily with laying ground work/code of system. Included SR# and brief description with every source file.
2012-03-25	22:15:00	0:42:00	5	142			P3	Component diagram update, gathering code metrics from last session and running PEP8 on code. Committed code /everywhere/! Project scheduling
2012-03-27	23:00:00	0:00:00	0	60			SAD	Worked on Systems Analysis Document
2012-03-28	12:40:00	13:10:00	0	30			SAD	Worked on Systems Analysis Document
2012-03-28			0	60			SAD	Worked on Systems Analysis Document and OCL
2012-03-29	12:40:00	13:10:00	0	30			SAD	Worked on Systems Analysis Document and OCL
2012-03-31				60			SAD & Project Management	Worked on Systems Analysis Document, Vision Document and work plan
2012-03-31	22:15:00	23:52:00	2	95			SAD	More detailed class diagram
2012-04-01	13:39:00	14:48:00	2	67			SAD	
2012-04-02	12:45:00	13:11:00	0	26			SAD	Revising component diagram. Added Ports for data store. Need internal package break down that shows interfaces for DAOs.
2012-04-02	21:55:00	23:50:00	2	113			SAD	Revising diagrams. reviewing phase 3 references, project scheduling
2012-04-02	23:51:00	0:19:00	2	26			Project Management	commits: local flash, usb. remote web & gforge. secondary machine.
2012-04-03	12:35:00	13:06:00	0	31			SAD	document interfaces. work on some other aspects of SAD.
2012-04-03	13:06:00	13:12:00	0	6			Project Management	Send email, re:Ballot
2012-04-03	18:33:00	18:45:00	0	12			SAD	update to Class Diagram/Interfaces
2012-04-03	18:45:00	19:15:00	0	30			MSE	Ballot form
2012-04-03	22:29:00	22:47:00	0	18			Technical Review Check List	Revised to align with current SAD
2012-04-04	19:37:00	19:44:00	0	7			SAD	
2012-04-04	23:20:00	23:48:00	0	28			SAD	finished except for OCL?
2012-04-05	12:30:00	12:39:00	0	9			Component	layout/design exchanges/queues needed by project
2012-04-05	12:39:00	13:07:00	0	28			OCL-USE	
2012-04-05	22:00:00	23:00:00	0	60			OCL-USE	
2012-04-07	20:45:00	21:00:00	0	15			Python	learned about ipdb/pdb python debugger. http://www.gregaker.net/2012/apr/05/debugging-python-with-pdb-or-ipdb/ import ipdb; ipdb.set_trace()
2012-04-08	16:30:00	17:00:00	0	30			Project Management	Figured out how to gather COCOMO 2 SLOC for all files.
2012-04-08	18:00:00	18:15:00	0	15			Project Management	updating code repo
2012-04-08	19:00:00	21:20:00	20	120			OCL-USE	
2012-04-08	23:00:00	0:00:00	0	60			OCL-USE	
2012-04-09	12:30:00	13:00:00	0	30			OCL-USE	next need to add USE/OCL for method calls
2012-04-09	22:00:00	23:00:00	0	60			OCL-USE	method calls

Date	Start	End	Interrupt	Delta (min)	Productiv	Units	Activity	Comments
2012-04-10	18:00:00	19:22:00	0	82			OCL-USE	method calls
2012-04-10	22:00:00	23:00:00	0	60			OCL-USE	method calls
2012-04-11	12:05:00	13:10:00	0	65			OCL-USE	method calls
2012-04-11	22:00:00	23:30:00	0	90			OCL-USE	method calls
2012-04-12	8:05:00	8:25:00	0	20			Project Management	email
2012-04-12	12:34:00	13:10:00	0	36			OCL-USE	updates, comments and commit to flash
2012-04-12	19:50:00	20:10:00	0	20			Project Management	code commits
2012-04-12	20:10:00	20:34:00	0	24			Project Management	revising website page and creating PDFs
2012-04-12	21:00:00	21:30:00	0	30			Project Management	publishing web update and sending email to reviewers
2012-04-13	13:37:00	15:06:00	5	84			RabbitMQ	Script to create VHost, Users and permissions
2012-04-13	15:25:00	15:41:00	1	15			RabbitMQ	Considering if need to upgrade RabbitMQ to 2.8. Requires Erlang upgrade as well. Decided to download files but not update. Committed scripts to flash.
2012-04-13	15:45:00	17:35:00	7	103			Coding	Comm Agent creation of first steps infrastructure. committed to flash
2012-04-14	16:00:00	16:34:00	0	34			Project Management	Stats for previous day coding
2012-04-14	17:30:00	17:45:00	0	15			Project Management	revising how tracking Development activity and capturing SLOC activity
2012-04-14	17:45:00	19:19:00	0	94			Coding	SR9b capture and publish metrics
2012-04-15	11:30:00	11:48:00					Project Management	Stats for previous day coding & committing
2012-04-15	11:49:00	12:54:00	0	65			Coding	SR 9b complete, PEP8, commit
2012-04-15	16:10:00	17:16:00	0	66			Coding	SR 4 and SR 8 completed, PEP8, commit
2012-04-15	17:20:00	17:40:00	0	20			Project Management	Reviewing requirements, minor annotations to code, scheduling remaining work
2012-04-15	18:10:00	18:16:00	0	6			Project Management	Gantt Chart/Project
2012-04-15	18:36:00	19:07:00	1	30			Coding	SR 9, PEP8, researched may need to upgrade RabbitMQ so can use management console
2012-04-15	20:50:00	0:00:00	30	160			RabbitMQ	Trying 2.8.1 on HP dm1. Removed current installations of Erlang and RabbitMQ. Installed new 64bit versions of both. From an admin console: rabbitmq-plugins.bat enable rabbitmq_management	rabbitmq-plugins list	http://localhost:55672/mgmt/	ran rabbitmq_init.bat, everything seems to be ok	had to add the administrator tag to the liaison user so could access the control panel for macts. Revised bat files. Used web admin panel to create a queue and bind it to the metrics exchange to verify operation.
2012-04-16	13:00:00	13:08:00	0	8			Technical Review Letters	Received one letter and incorporating into project/website
2012-04-16	18:00:00	18:44:00	1	43			RabbitMQ	uninstalling/installing Erlang and RabbitMQ, pulling from git
2012-04-16	18:45:00	19:00:00	0	15			P3	reviewing what goes into the assessment evaluation
2012-04-16	19:45:00	20:36:00	0	51			P3	Assessment eval and Project eval initial work
2012-04-16	21:10:00	21:41:00	0	31			Project Management	New version 2.5 of PyCharm installed.
2012-04-16	22:05:00	22:48:00	1	42			Coding	SR 21 - figuring out how to decode the metrics, working towards being able to use JSON
2012-04-16	22:48:00	23:46:00	0	58			Rework	revised Metric and Sensor classes for JSON serialization through RabbitMQ
2012-04-16	23:47:00	0:08:00	0	21			Project Management	Daily Metrics and commits
2012-04-17	12:30:00	13:09:00	0	39			P3	work on Project Evaluation and formal spec letter update
2012-04-17	18:30:00	20:06:00	6	90			Coding	SR 21 Metrics Agent reads in from Exchange
2012-04-17	20:53:00	22:11:00	1	78			Coding	SR 21
2012-04-17	22:19:00	2:00:00	2	219			Coding	SR 22 trouble with figuring out issue with list in init of class was an update, changed to a = and it works
2012-04-18	2:00:00	2:09:00	0	9			Project Management	commit and daily metrics
2012-04-18	12:20:00	13:05:00	0	45			P3	Project Evaluation, commit to flash
2012-04-18	21:40:00	0:30:00	4	166			Coding	SR4b and revised creating, initialization and clearing of exchanges, PEP8 and commit

Date	Start	End	Interrupt	Delta (min)	Productiv	Units	Activity	Comments
2012-04-19	0:30:00	0:54:00	0	24			Project Management	committed code and pushed to flash, hd, cis and gforge repos. published website update with source code.
2012-04-19	12:39:00	13:10:00	0	31			P3	Assessment eval
2012-04-19	21:00:00	21:30:00	0	30			Coding	Reviewing Design / sequence diagram for discovery protocol
2012-04-19	22:07:00	0:02:00	15	100			Coding	SR 12 - sends PING. Agents respond with pong and their name.
2012-04-20	15:00:00	18:08:00	3	185			Coding	SR 12 call back to capture the responses from ping
2012-04-20	18:09:00	18:19:00	0	10			Project Management	Commit + testing
2012-04-20	20:00:00	20:30:00	0	30			Design	Design for specifics of how the Planning Agents will work.
2012-04-20	22:00:00	23:52:00	4	108			Coding	Thread locking and SR 12 call back responds to request for get config. http://effbot.org/zone/thread-synchronization.htm http://docs.python.org/library/thread.html
2012-04-21	9:15:00	13:00:00	10	215			Coding	Looking into threading with RabbitMQ -- problems with thread? when run simulation longer
2012-04-21	16:30:00	19:00:00	10	140			Coding	continued still having some issues with threading... will research how to pull that from comm agent. SR 23 completed. SR 12 redefined as network discovery for SR 23. For this system hard coding collaboration information
2012-04-21	19:00:00	19:11:00	0	11			Project Management	commit + Vision document update
2012-04-21	20:00:00	20:15:00	0	15			Project Management	planning
2012-04-21	22:00:00	0:13:00	3	130			Coding	changed up communications agent to use a second channel for publishing loop
2012-04-22	0:13:00	0:28:00	0	15			Project Management	committed everywhere and compiled daily stats
2012-04-22	13:15:00	14:36:00	6	75			Test	Gathering metrics for default operation full network
2012-04-22	16:00:00	18:29:00	3	146			Coding	SR 5 and SR 7
2012-04-22	18:29:00	18:36:00	0	7			Project Management	commit
2012-04-22	19:10:00	19:50:00	0	40			Coding	SR 6 and commit
2012-04-22	23:23:00	0:37:00	1	73			Design	Researching traffic light logic, junction foes
2012-04-23	9:00:00	9:41:00	5	36			Project Management	PEP 8 on code, metrics for previous day
2012-04-23	9:42:00	11:41:00	5	114			Test/Defect/Docume	Gathering metrics for default operation low and medium networks. Noticed that the simulation id wasn't being stored in the database. Tracked it down to a key being different ID vs Id in code. Replaced with global constant. Worked some on User Manual and capturing information/screen shots for it. commit.
2012-04-23	12:45:00	14:00:00	2	73			Coding	Coding TLS State Object w/Tests
2012-04-23	14:25:00	18:13:00	5	103			Coding	Coding TLS State and Signal Phase Objects w/Tests
2012-04-23	18:39:00	19:34:00	1	54			Coding	SS Safety Agent, SS Reactive Agent, having trouble with single resource TCP/IP connection locking
2012-04-23	20:22:00	20:46:00	0	24			Coding/Defect	http://effbot.org/zone/thread-synchronization.htm
2012-04-23	20:46:00	21:45:00	1	60			Coding	SS Safety Agent verified. SS Reactive Agent.
2012-04-23	22:00:00	23:14:00	0	74			Coding	SS Reactive Agent
2012-04-23	23:14:00	0:12:00	0	58			Testing	SS Reactive Agent - full network
2012-04-24	0:12:00	1:00:00	0	48			Coding	RKL Safety Agent, RKL Reactive Agent & testing
2012-04-24	1:00:00	1:47:00	0	47			Testing	RKL Solo runs and duo runs
2012-04-24	1:48:00	2:05:00	0	17			Project Management	Committing code and code metrics
2012-04-24	8:00:00	8:58:00	2	56			Testing/Document	Increasing sliding window on RKL
2012-04-24	8:58:00	10:53:00	4	111			Document	
2012-04-24	11:00:00	11:36:00	0	36			Presentation	
2012-04-24	12:00:00	12:10:00	0	*10*			Project Management	Reviewing final action items. Created punch list and initial references document.
2012-04-24	21:55:00	23:37:00	2	100			Document	Finished assessment document
2012-04-24	23:38:00	0:58:00	5	75			Document	Component Document
2012-04-25	7:25:00	7:40:00	0	15			Project Management	commit and upload documentation in progress
2012-04-25	18:35:00	19:01:00	0	26			Defect	Had a thought checked the code and found an error in the JRKL Agent. It was submitting plans to the wrong Safety Agent. Corrected the code and re-ran simulatinos.

Date	Start	End	Interrupt	Delta (min)	Productiv	Units	Activity	Comments
2012-04-25	19:02:00	19:32:00	0	30			Testing	Result is still mostly the same except that now performance on the full load isn't poor across the board. In fact, on some metrics it is better than the baseline.
2012-04-25	20:30:00	20:47:00	0	17			Document	Assessment update.
2012-04-25	20:47:00	23:02:00	3	132			Document	Component Document
2012-04-25	23:03:00	23:33:00	0	30			Document	Finish compiling References
				6928	minutes			
				115.47	hours			
				19.24	6 hour days			