

Act ID	Activity Description	Dur	Start	Finish	Successors	Total Float	FY01	FY02	FY03	FY04	FY05	FY06	
<b>4.1.D SCIENCE ANALYSIS SOFTWARE</b>													
DS000240	Science Analysis Software PDR	0		08/17/01A				▼					
DS000270	Science Analysis Software Work Complete	0		10/31/01		1,087		▼					
DS000230	LAT Instrument PDR	0		01/07/02	DS100020*, DS100320*	0		▼					
DS000260	LAT Instrument CDR	0		08/05/02		902			▼				
DS000320	Actuals for SAS from HEPL	1,484	04/03/00A	03/31/06		0	■						
<b>4.1.D.1 SOURCES, SIMULATION &amp; EVENT RECONSTRUCTION</b>													
<b>4.1.D.1.1 SOURCES</b>													
DS100010	Upgrade Sources	20	06/01/01A	06/28/01A	DS100280*			■					
DS100280	Continuing Support: Pre - Instrument PDR	125*	07/02/01A	01/07/02	DS000230*, DS100020*	0		■					
DS100020	Continuing Support	1,048*	01/08/02	03/31/06		0			■				
<b>4.1.D.1.2 PROTOTYPE INITIAL FRAMEWORK</b>													
DS100030	compile/link Root 2.25 w/ Gaudi	2	09/25/00A	09/26/00A	DS100100								
DS100040	define interim hits classes	10	09/25/00A	10/06/00A	DS100050								
DS100070	Define MC structure of transient store	2	10/23/00A	10/24/00A	DS100090								
DS100050	prototype converters for IRF for ACD, CAL, TK	8	10/16/00A	10/26/00A	DS100080								
DS100060	prototype converters for IRF for ACD, CAL, TK	8	10/16/00A	10/26/00A									
DS100080	create test algorithms for prototype converte	5	10/26/00A	11/02/00A	DS100090, DS100130								
DS100090	Initial Framework Operational	0		11/02/00A	DS100100			▼					
DS100100	macros from hits classes to Root & I/O	5	11/03/00A	11/10/00A	DS100110								
DS100110	test algorithms for persistent classes	5	11/10/00A	11/17/00A	DS100120								

Act ID	Activity Description	Dur	Start	Finish	Successors	Total Float	FY01	FY02	FY03	FY04	FY05	FY06
<b>4.1.D.1.2 PROTOTYPE INITIAL FRAMEWORK</b>												
DS100120	Initial Persistent Store Operational	0		11/17/00A			▼					
DS100130	convert IRF to CsiData	3	11/20/00A	11/27/00A	DS100140							
DS100140	extract CAL recon from glastsim	5	11/27/00A	12/04/00A	DS100150							
DS100150	CAL recon operates from TDS	4	12/04/00A	12/08/00A	DS100160, DS100190, DS100220							
DS100160	convert IRF to SiData	3	12/11/00A	12/13/00A	DS100170							
DS100170	extract TKR recon from glastsim	1	12/14/00A	12/14/00A	DS100180							
DS100180	TKR recon operates from TDS	4	12/15/00A	12/20/00A	DS100210							
DS100220	hand off to CAL group	0		12/21/00A			▼					
DS100190	buld and run on unix	10	12/18/00A	01/05/01A	DS100240							
DS100230	reproduce ntuples as Root ntuples	3	01/08/01A	01/10/01A	DS100260							
DS100240	document build and running on unix	3	01/08/01A	01/10/01A								
DS100210	modify GlastSim event display for Gaudi	16	12/21/00A	01/24/01A	DS100250							
DS100260	reproduced GlastSim functions in Gaudi framew	0		01/26/01A			▼					
DS100200	document build and running on NT	6	12/18/00A	01/30/01A	DS100220							
DS100250	add display for recon data	5	01/25/01A	01/31/01A	DS100270							
DS100270	hand off to TKR group	0		02/01/01A			▼					
<b>4.1.D.1.3 GISMO SIMULATION</b>												
<b>4.1.D.1.3.1 EXISTING SIMULATION UPGRADE</b>												
DS100300	Accept source info from FluxSvc	1	01/31/01A	01/31/01A	DS100304							
DS100301	configure Gismo as a Gaudi service	5	02/05/01A	02/15/01A	DS100302, DS100303							

Act ID	Activity Description	Dur	Start	Finish	Successors	Total Float	Fiscal Year													
							FY01	FY02	FY03	FY04	FY05	FY06								
<b>4.1.D.1.3.1 EXISTING SIMULATION UPGRADE</b>																				
DS100302	use Gaudi random number service	1	02/16/01A	02/16/01A	DS100340															
DS100303	Display event in GUI	1	02/16/01A	02/16/01A	DS100304															
DS100304	Convert internal MCParticle tree to TDS McPar	5	02/20/01A	02/23/01A	DS100340															
<b>4.1.D.1.3.2 NEW GEOMETRY &amp; HITS SCHEMES</b>																				
DS100320	write Gismo geometry interpreter	10	02/06/02	02/20/02	DS100330*	66														
DS100330	Generate Hits (with volume IDs)	5	02/21/02	02/27/02	DS101270	66														
<b>4.1.D.1.3.3 ONGOING SUPPORT</b>																				
DS100340	ongoing support - 6 months @ 15%	129*	05/01/01A	10/31/01A	DS100350*															
DS100350	ongoing support @ 5 %	1,087*	11/01/01	03/31/06		0														
<b>4.1.D.1.4 GEANT4 SIMULATION</b>																				
<b>4.1.D.1.4.1 EXTERNAL PACKAGE REQUIREMENTS</b>																				
DS100400	create reqs file on NT	2	12/04/00A	12/05/00A	DS100410															
DS100410	build test app on NT	2	12/05/00A	12/06/00A	DS100420															
DS100420	modify extlib package for unix	1	12/07/00A	12/07/00A	DS100430															
DS100430	build test app on unix	1	12/08/00A	12/08/00A	DS100890															
<b>4.1.D.1.4.2 DETMODEL GEOMETRY CONVERTER</b>																				
DS100440	Create detModel geometry converter	5	03/14/01A	03/20/01A																
<b>4.1.D.1.4.3 GEANT4 PROTOTYPE</b>																				
DS100890	Define Simulator Interface	21	11/16/01*	12/18/01	DS100450*	0														
DS100450	configure G4 as a Gaudi service	20	12/19/01	01/25/02	DS100470*, DS100480*, DS100490*	0														
DS100470	use FluxSvc as 'gun'	2	01/28/02	01/29/02	DS100540	9														
DS100480	use Gaudi random number service	3	01/28/02	01/30/02	DS100540	8														

Act ID	Activity Description	Dur	Start	Finish	Successors	Total Float	FY01	FY02	FY03	FY04	FY05	FY06
<b>4.1.D.1.4.3 GEANT4 PROTOTYPE</b>												
DS100490	implement converters to MC Truth & Hits class	11	01/28/02	02/11/02	DS100520*, DS100540*, DS100580*, DS100930*, DS101070*, DS101180*, DS101185*	0						
<b>4.1.D.1.4.4 GEANT 4 VALIDATION</b>												
DS100500	Validate EM Physics	108*	06/11/01A	11/09/01	DS100510*	53						
DS100510	Validate Hadronic Physics	40	11/12/01	01/17/02	DS100520	53						
DS100520	compare to Gismo	40	02/12/02*	04/09/02	DS100970*	37						
DS100970	GEANT4 Validation Complete	0		04/09/02	DS101170*, DS101175*, DS101270*	37						
<b>4.1.D.1.4.5 ONGOING SUPPORT</b>												
DS100540	Ongoing Support	1,024*	02/12/02	03/31/06		0						
<b>4.1.D.1.5 ACD SIMULATION</b>												
<b>4.1.D.1.5.1 EXISTING DIGITIZATION UPDATE</b>												
DS100550	define digi classes	5	12/12/00A	12/18/00A	DS100560							
DS100560	fill new digis from irf using existing digi	12	01/22/01A	02/06/01A	DS212200							
<b>4.1.D.1.5.2 UPGRADE FOR NEW HITS SCHEME</b>												
DS100570	define hits classes	6	12/04/00A	12/11/00A	DS100580							
DS100580	fill new digis from MC Truth using existing d	3	02/12/02	02/14/02	DS100590*	221						
<b>4.1.D.1.5.3 ONGOING SUPPORT</b>												
DS100590	ongoing support	800	02/15/02	05/09/05		221						
<b>4.1.D.1.6 CAL GEOMETRY, SIMULATION, &amp; RECONSTRUCTION</b>												
<b>4.1.D.1.6.1 GEOMETRY</b>												
DS100600	Compression Cell concept	40	10/02/00A	11/28/00A	DS100610							
DS100610	hardwired balloon geometry for CalRecon	3	03/05/01A	03/07/01A	DS100620, DS210970							
DS100620	hardwired flight geometry for CALRecon	3	03/27/01A	03/29/01A	DS212200							

Act ID	Activity Description	Dur	Start	Finish	Successors	Total Float	FY01	FY02	FY03	FY04	FY05	FY06
4.1.D.1.6.2 SIMULATION												
4.1.D.1.6.2.1 INITIAL VERSION OF SIMULATION												
DS100630	document existing SIM code	25	09/11/00A	10/13/00A								
DS100640	CAL-only trigger simulation	60	03/02/01A	05/31/01A								
4.1.D.1.6.2.2 SIMULATION IMPROVEMENTS												
DS100650	define hits classes	21	11/09/00A	12/11/00A	DS100660							
DS100660	define digi classes	20	01/29/01A	02/23/01A								
DS100710	low energy corrections	40*	09/17/01A	11/09/01		1,080						
DS100980	Create Digi Algorithm for Ideal Instrument (NRL)	40	11/05/01*	01/10/02	DS100985*, DS100990*, DS100995*	0						
DS100985	Create Digi Algorithm for Ideal Instrument (Fr)	40	11/05/01*	01/10/02	DS100990*, DS100995*	0						
DS100990	Create Digi Algorithm for Real Instrument (NRL)	30	01/11/02	02/25/02	DS101160*, DS101165*	0						
DS100995	Create Digi Algorithm for Real Instrument (Fr)	30	01/11/02	02/25/02	DS101160*, DS101165*	0						
DS101160	Create Algorithms to Handle Failure Modes (NRL)	30	02/26/02	04/08/02	DS100680*, DS101165*, DS101330*	0						
DS101165	Create Algorithms to Handle Failure Modes (Fr)	30	02/26/02	04/08/02	DS100680*, DS101330*	0						
DS101180	Add Heavy Ion Physics to GEANT4 (NRL)	80	02/12/02	06/05/02	DS100690*, DS101185*	0						
DS101185	Add Heavy Ion Physics to GEANT4 (Fr)	80	02/12/02	06/05/02	DS100690*	0						
DS101170	Validate GEANT4 for Calorimeter (NRL)	60	04/10/02	07/03/02	DS101175*	924						
DS101175	Validate GEANT4 for Calorimeter (Fr)	60	04/10/02	07/03/02		924						
DS100690	Perform Heavy Ion Simulations	60	06/06/02*	08/29/02	DS101190*, DS101280*	0						
DS101190	Perform Heavy Ion Analysis (NRL)	80	08/30/02	01/02/03	DS101280*, DS211850*, DS211855*	0						
DS101280	Perform Heavy Ion Analysis (Fr)	80	08/30/02	01/02/03	DS211850*, DS211855*	0						

Act ID	Activity Description	Dur	Start	Finish	Successors	Total Float	FY01	FY02	FY03	FY04	FY05	FY06
4.1.D.1.6.2.2 SIMULATION IMPROVEMENTS												
DS100680	Ongoing Support: Simulation (NRL)	985*	04/09/02	03/31/06		0						
4.1.D.1.6.3 RECONSTRUCTION												
4.1.D.1.6.3.1 INITIAL VERSION OF RECONSTRUCTION												
DS100740	document existing RECON code	25	09/27/00A	10/31/00A								
DS100720	re-establish calibrations	3	03/05/01A	03/07/01A	DS100730							
DS100730	modify CalRecon for flight geometry	5	03/30/01A	04/05/01A								
DS100750	port CAL tb_recon to Gaudi	10	05/17/01A	05/31/01A	DS100720							
4.1.D.1.6.3.3 ITERATIVE RECONSTRUCTION W/ TRACKER												
DS101290	Determine Req'ts for Iterative Reconstr'n (NRL)	10	01/07/02*	01/18/02	DS101305*, DS101310*	4						
DS101295	Determine Req'ts for Iterative Reconstr'n (Fr)	10	01/07/02*	01/18/02		1,039						
DS101305	Create Prototype Design for Iter. Recon (NRL)	30	01/22/02	03/05/02	DS101315*, DS101320*	4						
DS101310	Create Prototype Design for Iter. Recon (Fr)	30	01/22/02	03/05/02	DS101315*, DS101320*	4						
DS101315	Implement Prototype Design for Iter. Recon (NRL)	60	03/06/02	05/29/02	DS100860, DS100865	4						
DS101320	Implement Prototype Design for Iter. Recon (Fr)	60	03/06/02	05/29/02	DS100860, DS100865, DS101350	4						
DS100860	Ongoing Support: Reconstruction (Fr)	945*	06/05/02	03/31/06		0						
DS100865	Ongoing Support: Reconstruction (NRL)	945*	06/05/02	03/31/06		0						
4.1.D.1.6.3.4 FAILURE MODES / PERFORMANCE STATE												
DS101330	Prototype Structure of Failure Mode Algorithms	40	04/09/02	06/04/02	DS100860*, DS100865*	0						
4.1.D.1.7 TRACKER GEOMETRY, SIMULATION & RECONSTRUCTION												
4.1.D.1.7.1 SIMULATION IMPROVEMENTS												
DS100910	define digi classes	20	01/31/01A	02/28/01A	DS100920, DS100930							
DS100900	define hits classes	13	02/09/01A	02/28/01A	DS100910							

Act ID	Activity Description	Dur	Start	Finish	Successors	Total Float	FY01	FY02	FY03	FY04	FY05	FY06
4.1.D.1.7.1 SIMULATION IMPROVEMENTS												
DS100920	Use Existing Digi Alg to Use IRF	10	03/01/01A	03/14/01A	DS212200							
DS100930	use existing digi alg to Use MC Hits	10	02/12/02	02/26/02	DS100940*	0						
DS100940	ongoing support	1,014*	02/27/02	03/31/06		0						
4.1.D.1.7.2 DIGITIZATION IMPROVEMENTS												
DS100950	improve charge sharing	247*	04/02/01A	04/01/02	DS101270	43						
DS100960	Improve TOT Simulation	247*	04/02/01A	04/01/02	DS101270	43						
4.1.D.1.7.3 INITIAL TRACKER RECONSTRUCTION												
DS101000	port tb_recon to Gaudi	20	03/05/01A	03/30/01A	DS101010, DS101020							
DS101020	supply hardwired tb_recon geometry for flight	10	04/17/01A	04/30/01A	DS101030, DS101040							
DS101010	supply hardwired tb_recon geometry for balloo	5	04/24/01A	04/30/01A	DS210970							
DS101030	add recon to Event display	3	05/01/01A	05/03/01A	DS101040							
DS101040	modify recon for flight instrument	10	05/04/01A	05/17/01A	DS212200							
4.1.D.1.7.4 TRACKER RECONSTRUCTION REDESIGN: PATREC & FIT												
DS101050	write requirements for sim and recon	10	03/19/01A	03/30/01A	DS212080							
DS101060	use PDR as case study	40	06/01/01A	10/31/01A	DS101300*							
DS101300	Design New Tracking Algorithm	30	11/01/01	12/14/01	DS101070	33						
DS101070	morph recon geometry to adhere to new xml sch	5	02/12/02	02/19/02	DS101080*	0						
DS101080	patrec uses 2D fit	40	02/20/02	04/16/02	DS101090*	0						
DS101090	change from 2D to 3D association	20	04/17/02	05/14/02	DS101100*	0						
DS101100	tree classification - prune fake vees	15	05/15/02	06/05/02	DS101110*	0						
DS101110	Kalman 3D	20	06/06/02	07/03/02	DS101120*	0						

Act ID	Activity Description	Dur	Start	Finish	Successors	Total Float	Fiscal Year										
							FY01	FY02	FY03	FY04	FY05	FY06					
<b>4.1.D.1.7.4 TRACKER RECONSTRUCTION REDESIGN: PATREC &amp; FIT</b>																	
DS101120	energy loss, low E track characterization	20	07/05/02	08/01/02	DS101130*	0											
DS101130	define new output classes	40	08/02/02	09/27/02	DS101140*	0											
DS101140	Cal/TKR iterative recon study	20	09/30/02	10/25/02	DS101150*, DS101350*	0											
DS101150	Ongoing Support (SLAC)	844*	10/28/02	03/31/06	DS101340*	0											
DS101340	Ongoing Support (Italy)	844*	10/28/02	03/31/06		0											
<b>4.1.D.1.8 TRIGGER SIMULATION</b>																	
DS101230	add CAL-HI, CAL-LO triggers	5	05/24/01A	05/31/01A	DS212200												
DS101210	add L1T	3	05/29/01A	05/31/01A	DS101230												
DS101200	create trigger framework	5	05/25/01A	06/01/01A	DS101210, DS101220*												
DS101220	L2/L3 algorithm development	247*	04/02/01A	04/01/02	DS101240*	0											
DS101240	ongoing development	990*	04/02/02	03/31/06		0											
<b>4.1.D.1.9 BACKGROUND REJECTION</b>																	
DS101250	Re-evaluate AO algorithms for PDR	103*	06/22/01A	11/15/01	DS101260*	0											
DS101260	Ongoing Studies	1,076*	11/16/01	03/31/06		0											
<b>4.1.D.1.A MAJOR RELEASES OF SIM &amp; RECONSTRUCTION</b>																	
DS101270	AV: 1st Major Release of Simulation & Reconst'n	0		04/09/02	1M57000030	37											
DS101350	Second Major Code Release	0		10/25/02		844											
<b>4.1.D.2 ANALYSIS TOOLS</b>																	
<b>4.1.D.2.1 CODING CONVENTIONS</b>																	
DS210000	Create Coding Conventions	0	06/27/00A	06/30/00A	DS212130												
<b>4.1.D.2.2 STATIC CONSTANTS HANDLING</b>																	
DS210200	revise instrument pkg	3	09/25/00A	09/27/00A	DS210210												



Act ID	Activity Description	Dur	Start	Finish	Successors	Total Float	FY01	FY02	FY03	FY04	FY05	FY06	
<b>4.1.D.2.2 STATIC CONSTANTS HANDLING</b>													
DS210210	test with instrument pkg	3	09/28/00A	10/02/00A	DS210220								
DS210220	revisions to app pkg	1	10/16/00A	10/16/00A	DS210230								
DS210230	revisions to pkgs accessing xml directly	3	10/17/00A	10/19/00A	DS210240								
DS210240	install Xerces as extlib	1	10/20/00A	10/20/00A	DS210250								
DS210250	final integration and testing	5	10/23/00A	10/27/00A	DS210840								
<b>4.1.D.2.3 GAUDI UTILITIES</b>													
DS210280	define Root versions of MC particle classes	2	02/08/01A	02/09/01A	DS210290								
DS210270	test app to output MC TDS classes	5	02/08/01A	02/14/01A	DS210290								
DS210290	algorithm to fill & write out Root versions o	5	02/15/01A	02/21/01A	DS210620								
DS210260	package to read in, write out to/from TB99 ra	5	02/20/01A	02/23/01A									
DS210300	recraft TBIOROOT to separate CAL & TKR depend	12	03/09/01A	03/26/01A	DS210310*								
DS210310	ongoing support	1,241*	03/27/01A	03/31/06		0							
<b>4.1.D.2.4 EVENT DISPLAY</b>													
<b>4.1.D.2.4.1 GLAST SIM GUI / GRAPHICS</b>													
DS210330	capture text to stdout on Windows	1	01/25/01A	01/25/01A	DS210340								
DS210340	rep to display MC Event	1	01/25/01A	01/25/01A	DS210320								
DS210320	event loop control: interactive selection of	3	01/25/01A	01/29/01A	DS212200								
<b>4.1.D.2.4.2 EVENT DISPLAY FOR ALL CLIENTS</b>													
DS210350	evaluate WIRED	5	01/29/01A	02/02/01A	DS210360								
DS210360	Set Event Display Requirements	30	06/19/01A	07/31/01A	DS210370								
DS210370	Decide on Event Display Implementation	10	12/17/01*	01/08/02	DS210380*	0							

Act ID	Activity Description	Dur	Start	Finish	Successors	Total Float	FY01	FY02	FY03	FY04	FY05	FY06
<b>4.1.D.2.4.2 EVENT DISPLAY FOR ALL CLIENTS</b>												
DS210380	implement Event Display	60	01/09/02	04/04/02	DS210390*	0		■				
DS210390	ongoing support	987*	04/05/02	03/31/06		0		■	■	■	■	■
<b>4.1.D.2.5 ROOT-TO-IDL</b>												
DS210400	support Root-to-IDL	1,442*	06/01/00A	03/31/06		0	■	■	■	■	■	■
<b>4.1.D.2.6 MERIT IMPROVEMENTS</b>												
DS210410	make into Gaudi algorithm	10	02/14/01A	02/27/01A	DS210420, DS211060*							
DS210420	run from Gaudi ntuples	5	02/28/01A	03/06/01A	DS212200							
<b>4.1.D.2.7 NEW GEOMETRY MECHANISM</b>												
DS210430	study options for associating detector elemen	10	11/27/00A	12/08/00A	DS210440							
DS210440	design initial xml for one tower	6	01/08/01A	01/12/01A	DS210450, DS210490, DS210500, DS210610, DS210630, DS210640							
DS210490	add 'choice' element to allow parallel descri	2	01/22/01A	01/23/01A	DS210500							
DS210500	add versioning scheme	2	01/22/01A	01/23/01A	DS210450							
DS210450	arithmetic evaluation	3	01/22/01A	01/24/01A	DS210460							
DS210460	substitution utilities	3	01/25/01A	01/29/01A	DS210470							
DS210510	Volume ID scheme	5	01/29/01A	02/02/01A	DS210520							
DS210470	design preprocessed ascii file	5	01/30/01A	02/05/01A	DS210480							
DS210480	output of preprocess file	3	02/06/01A	02/08/01A	DS100490							
DS210520	use ID dictionary	5	02/05/01A	02/09/01A	DS100490							
DS210530	class hierarchy design	2	02/15/01A	02/16/01A	DS210540							
DS210540	interfaces (.h) specification	2	02/20/01A	02/20/01A	DS210550							
DS210610	update and verify ACD geometry	15	02/01/01A	02/21/01A	DS210670							

Act ID	Activity Description	Dur	Start	Finish	Successors	Total Float	FY01	FY02	FY03	FY04	FY05	FY06
<b>4.1.D.2.7 NEW GEOMETRY MECHANISM</b>												
DS210550	high end issues (DOM or SAX?)	2	02/21/01A	02/22/01A	DS210560							
DS210560	interface to Xerces	1	02/26/01A	02/26/01A	DS210570							
DS210570	constants to elements implementation	1	03/01/01A	03/01/01A	DS210580							
DS210670	Do Data Entry for ACD Geometry	10	02/22/01A	03/07/01A	DS210690							
DS210580	simple volumes (no stacks or replication)	3	03/05/01A	03/07/01A	DS210590							
DS210590	complex volumes	2	03/08/01A	03/09/01A	DS210600							
DS210600	high end issues (eg ROGeometry)	2	03/12/01A	03/13/01A	DS100440							
DS210630	update and verify TKR geometry	31	02/01/01A	03/19/01A	DS210650							
DS210640	update non-subsystem elements	35	02/01/01A	03/21/01A	DS210680							
DS210650	Do Data Entry for Tracker Geometry	10	02/26/01A	03/21/01A	DS210690							
DS210620	Update & verify CAL geometry	51	03/05/01A	05/14/01A	DS210660							
DS210660	Do Data Entry for Calorimeter Geometry	0	05/17/01A	05/31/01A	DS210690							
DS210680	Do Data Entry for NAD Geometry	10	08/01/01A	08/15/01A	DS210690							
DS210690	Data Entry for All Subsystems Complete	0		08/15/01A	DS210700*							
DS210700	ongoing support	1,110*	10/01/01A	03/31/06		0						
<b>4.1.D.2.8 PSF/EFFECTIVE AREA MONITORING&amp; OPTIMIZATION</b>												
DS210710	re-evaluate AO performance for PDR	127*	06/01/01A	11/30/01	DS210720*, DS212270	0						
DS212730	Annual Evaluation & Tracking of LAT Performance	0		12/23/02*		805			▽			
DS212740	Annual Evaluation & Tracking of LAT Performance	0		08/29/03*		637				▽		
DS212750	Annual Evaluation & Tracking of LAT Performance	0		08/31/04*		389					▽	

Act ID	Activity Description	Dur	Start	Finish	Successors	Total Float											
							FY01	FY02	FY03	FY04	FY05	FY06					
<b>4.1.D.2.8 PSF/EFFECTIVE AREA MONITORING&amp; OPTIMIZATION</b>																	
DS212760	Annual Evaluation & Tracking of LAT Performance	0		08/31/05*		141											
DS210720	ongoing support	1,067*	12/03/01	03/31/06		0											
<b>4.1.D.2.9 CODE &amp; RELEASE MANAGEMENT</b>																	
<b>4.1.D.2.9.1 RELEASE MANAGER</b>																	
DS210740	Prototype Release Manager	15	07/02/01A	07/23/01A	DS210750												
DS210750	set requirements for Releases, including test	3	11/14/01*	11/16/01	DS210760*	0											
DS210760	identify database for results	10	11/19/01	12/04/01	DS210770*	0											
DS210770	Full manager: bookkeeping & verification	60	12/05/01	03/11/02	DS210780*, DS212280, DS212680*	0											
DS212680	Prototype Release Manager in Place	0		03/11/02		1,005											
DS210780	ongoing support	1,005*	03/12/02	03/31/06		0											
<b>4.1.D.2.9.2 RELEASE NICETIES</b>																	
DS210790	web tool tracking latest package versions	4	10/13/00A	10/19/00A													
DS210810	create bug tracking system	40	11/19/01*	01/25/02		1,035											
DS210800	Develop Compile server	89*	09/17/01A	01/31/02		1,031											
<b>4.1.D.2.A CONTINUING TOOLS DEVELOPMENT</b>																	
DS210820	continuing tools development	1,484*	04/03/00A	03/31/06		0											
<b>4.1.D.2.B ONGOING USER SUPPORT</b>																	
DS210830	Ongoing User Support for Analysis Tools	863	10/01/02*	03/31/06		0											
<b>4.1.D.3 ENGINEERING MODELS</b>																	
<b>4.1.D.3.1 TEST BEAM 99 SUPPORT</b>																	
DS210850	Simplify ROOTWriter to write IRF only	4	10/09/00A	10/12/00A	DS210860, DS210870												
DS210870	make package of tbrecon and move to SLAC	3	10/13/00A	10/17/00A	DS210860												
DS210860	generate test suite for ROOTWriter	5	10/19/00A	10/27/00A	DS210840												

Act ID	Activity Description	Dur	Start	Finish	Successors	Total Float	FY01	FY02	FY03	FY04	FY05	FY06
<b>4.1.D.3.1 TEST BEAM 99 SUPPORT</b>												
DS210840	tbsim	10	10/30/00A	11/10/00A								
<b>4.1.D.3.2 BALLOON FLIGHT SUPPORT</b>												
DS210880	G4 simulations	35	09/25/00A	11/10/00A	DS210890							
DS210890	package G4 code in CMT	5	11/13/00A	11/17/00A	DS210900							
DS210900	put G4 code into cvs	3	12/12/00A	12/14/00A	DS210910							
DS210990	restore raw format code to RootWriter	3	01/29/01A	01/31/01A	DS211040							
DS210920	TKR	10	01/22/01A	02/02/01A	DS210930							
DS210930	CAL	5	02/05/01A	02/09/01A	DS210940							
DS210940	ACD	3	02/12/01A	02/14/01A	DS210960							
DS210910	compare to TB99	15	01/26/01A	02/15/01A								
DS210960	Subsystems run through tb_recon	0		02/15/01A	DS210970		▼					
DS210970	Subsytems run with correct geometries	0		03/27/01A	DS211040		▼					
DS211000	update TB root classes	5	03/29/01A	04/04/01A	DS211010							
DS211010	update RootWriter for revised classes	3	04/05/01A	04/09/01A	DS211020							
DS211050	disk space in place	5	04/09/01A	04/13/01A	DS211060*, DS211680							
DS211020	converter from output format to Root format	10	04/10/01A	04/23/01A	DS211030							
DS211030	produce raw balloon file	0		04/24/01A	DS211040		▼					
DS211040	run flight data through recon	0		04/25/01A	DS211060*		▼					
DS210980	Define instrument output format	0		05/04/01A	DS211010		▼					
DS210950	MC Truth info	10	05/07/01A	05/18/01A	DS211060*							

Act ID	Activity Description	Dur	Start	Finish	Successors	Total Float	FY01	FY02	FY03	FY04	FY05	FY06
<b>4.1.D.3.2 BALLOON FLIGHT SUPPORT</b>												
DS211070	balloon flies	0		08/04/01A	DS211060*, DS211840, DS212320			▼				
DS211060	Analyze Balloon Data	79*	08/07/01A	11/28/01		1,069		■				
<b>4.1.D.3.3 4-MODULE TEST SUPPORT</b>												
DS211080	Support 4-Module test	247	09/02/03*	08/30/04		390				■		
<b>4.1.D.4 SCIENCE SOFTWARE</b>												
<b>4.1.D.4.1 UTILITIES</b>												
DS211110	Create GRB/AGN Simulator - Design	30	12/10/01*	01/30/02	DS211120*	86		■				
DS211120	Create GRB/AGN Simulator - Implement	30	01/31/02	03/14/02	DS211090*	86		■				
DS211090	Create GRB/AGN Simulator - Test	60	03/15/02	06/07/02	DS211100*, DS211740, DS212280	86		■				
DS211210	Create Exposure Map Simulator - Design	30	05/28/02	07/09/02	DS211220*	831		■				
DS211100	Create High Level Simulator (Post Lev 1)-Desi	30	06/10/02	07/22/02	DS211130*	86		■				
DS211220	Create Exposure Map Simulator - Implement	30	07/10/02	08/20/02	DS211230*	831		■				
DS211130	Create High Level Simulator - Implement	30	07/23/02	09/03/02	DS211140	86		■				
DS211230	Create Exposure Map Simulator - Test	60	08/21/02	11/13/02		831		■				
DS211140	Create High Level Simulator -Test	60	09/09/02	12/03/02	DS211150*	83		■				
DS211150	Create Maps - Design	30	12/04/02	01/24/03	DS211190*	83		■				
DS211190	Create Maps - Implement	30	01/27/03	03/10/03	DS211200*	83		■				
DS211200	Create Maps - Test	60	03/11/03	06/03/03	DS211290*, DS211740	83		■				
DS211160	Create Map & Image Displays - Design	30	06/07/04	07/19/04	DS211170*	24				■		
DS211170	Create Map & Image Displays - Implement	30	07/20/04	08/30/04	DS211180*	24				■		
DS211180	Create map and image displays - Test	60	08/31/04	11/23/04	DS211560*	24				■		

Act ID	Activity Description	Dur	Start	Finish	Successors	Total Float	FY01	FY02	FY03	FY04	FY05	FY06
<b>4.1.D.4.2 ANALYSIS SOFTWARE</b>												
DS211310	Create Pulsar Phase Assignment - Design	60	12/10/01*	03/14/02	DS211420*	822		■				
DS211420	Create Pulsar Phase Assignment - Implement	60	03/15/02	06/07/02	DS211430*	822		■				
DS211250	Create Pt Source Detection Algorithm - Design	30	06/10/02	07/22/02	DS211400*	209		■				
DS211400	Create Pt Source Detection Algorithm -Impleme	30	07/23/02	09/03/02	DS211410*	209		■				
DS211300	Create Likelihood Analysis - Design	63	06/10/02	09/06/02	DS211140*, DS211330*	24		■				
DS211430	Create Pulsar Phase Assignment - Test	120	06/10/02	11/28/02		822		■				
DS211410	Create Pt Source Detection Algorithm - Test	60	09/04/02	11/28/02	DS211260*, DS211270*, DS211280*, DS211290	209		■				
DS211330	Create Likelihood Analysis - Implementation	63	09/09/02	12/06/02	DS211340*, DS211345*, DS211530*	24		■				
DS211270	Create GRB Detection (Trigger) - Design	30	11/29/02	01/21/03	DS211440*	702		■				
DS211260	Create Pt Src Transient Detection - Design	60	11/29/02	03/05/03	DS211460*	582		■				
DS211280	Create Point Source ID - Design	60	11/29/02	03/05/03	DS211480*	582		■				
DS211440	Create GRB Detection (Trigger) - Implement	30	01/22/03	03/05/03	DS211450*	702		■				
DS211450	Create GRB Detection (Trigger) - Test	60	03/06/03	05/29/03		702		■				
DS211460	Create Pt Src Transient Detection - Implement	60	03/06/03	05/29/03	DS211470*	582		■				
DS211480	Create Point Source ID - Implement	60	03/06/03	05/29/03	DS211490*	582		■				
DS211340	Create Likelihood Analysis - Test (HEPL)	119	12/09/02	06/05/03	DS211240*, DS211345*	24		■				
DS211345	Create Likelihood Analysis - Test (SLAC)	119	12/09/02	06/05/03	DS211245*	24		■				
DS211290	Create Point Source Spectra - Design	60	06/04/03	08/27/03	DS211500*, DS900000	86		■				
DS211240	Create Interstellar Emission Model-Design (HEPL)	63	06/06/03	09/04/03	DS211245*, DS211350*	24		■				

Act ID	Activity Description	Dur	Start	Finish	Successors	Total Float	FY01	FY02	FY03	FY04	FY05	FY06
<b>4.1.D.4.2 ANALYSIS SOFTWARE</b>												
DS211245	Create Interstellar Emission Model-Design (SLAC)	63	06/06/03	09/04/03	DS211355*	24						
DS211470	Create Pt Src Transient Detection - Test	120	05/30/03	11/17/03		582						
DS211490	Create Point Source ID - Test	120	05/30/03	11/17/03		582						
DS211500	Create Point Source Spectra - Implement (SLAC)	60	08/28/03	11/20/03	DS211510	86						
DS211350	Create Interstellar Emission Mod-Implem'nt (HEPL	63	09/05/03	12/04/03	DS211355*, DS211360*	24						
DS211355	Create Interstellar Emission Mod-Implem'nt(SLAC	63	09/05/03	12/04/03	DS211360*	24						
DS900000	Create Point Source Spectra - Implement (HEPL)	60	01/09/04	04/05/04	DS211510*	0						
DS211360	Create Interstellar Emission Model - Test	121	12/05/03	06/04/04	DS211160*, DS900100*	24						
DS211510	Create Point Source Spectra - Test	120	04/06/04	09/23/04	DS211770*	0						
DS211870	Support Development of Analysis S/W FY'04 (SLAC)	248	10/01/03*	09/30/04	DS212470*, DS212480*, DS212490*	0						
DS212480	Support Development of Analysis S/W FY'04 (Fr)	248	10/01/03	09/30/04		368						
DS212470	Support Development of Analysis S/W FY'04 (NRL)	152	02/27/04	09/30/04		368						
DS900100	HEPL Support	243	06/07/04	05/27/05		207						
DS211320	Import EGRET Data - Design	30	05/31/05	07/12/05	DS211370*	24						
DS211370	Import EGRET Data - Implement	30	07/13/05	08/23/05	DS211380*	24						
DS212490	Support Development of Analysis S/W FY'05 (SLAC)	248	10/01/04	09/30/05	DS212520*, DS212530*, DS212540*	0						
DS212520	Support Development of Analysis S/W FY'05 (NRL)	248	10/01/04	09/30/05		120						
DS212530	Support Development of Analysis S/W FY'05 (Fr)	248	10/01/04	09/30/05		120						
DS211380	Import EGRET Data - Test	63	08/24/05	11/21/05	DS211390*, DS212690*	24						



Act ID	Activity Description	Dur	Start	Finish	Successors	Total Float	FY01	FY02	FY03	FY04	FY05	FY06
<b>4.1.D.4.2 ANALYSIS SOFTWARE</b>												
DS212690	Science Tools in Place	0		11/21/05		84						▽
DS211390	On-going Support - Analysis Tools (HEPL)	60	11/22/05	02/27/06		24						■
DS212500	Support Development of Analysis S/W FY'06 (NRL)	120	10/03/05	03/31/06		0						■
DS212510	Support Development of Analysis S/W FY'06 (Fr)	120	10/03/05	03/31/06		0						■
DS212540	Support Development of Analysis S/W FY'06 (SLAC)	120	10/03/05	03/31/06	DS212500*, DS212510*	0						■
<b>4.1.D.4.3 ANALYSIS DATABASES</b>												
DS211550	Create Point Source Database - Design	30	12/10/01*	01/30/02	DS211610*	24		■				
DS211590	Create Event Database - Design	30	12/10/01*	01/30/02	DS211600*	206		■				
DS211600	Create Event Database - Implement	30	01/31/02	03/14/02	DS211520*	206		■				
DS211610	Create Point Source Database - Implement	30	01/31/02	03/14/02	DS211620*	24		■				
DS211540	Create Exposure Database - Design	15	03/04/02*	03/22/02	DS211630*	215		■				
DS211630	Create Exposure Database - Implement	15	03/25/02	04/12/02	DS211640*	215		■				
DS211640	Create Exposure Database - Test	30	04/15/02	05/24/02	DS211150, DS211160, DS211210*, DS211250, DS211320	215		■				
DS211520	Create Event Database - Test	60	03/15/02	06/07/02	DS211150, DS211160, DS211530	206		■				
DS211620	Create Point Source Database - Test	60	03/15/02	06/07/02	DS211250*, DS211300*, DS211560	24		■				
DS211530	Create Summary Database	20	12/09/02	01/14/03	DS212700*	796		■				
DS212700	Photon Database Technology Implemented	0		01/14/03		796						▽
DS211560	Create Transient alerts/GRBs - Design	30	11/24/04	01/14/05	DS211570*	24						■
DS211570	Create Transient alerts/GRBs - Implement	30	01/18/05	03/01/05	DS211580*	24						■
DS211580	Create Transient alerts/GRBs - Test	63	03/02/05	05/27/05	DS211320*	24						■

Act ID	Activity Description	Dur	Start	Finish	Successors	Total Float	FY01	FY02	FY03	FY04	FY05	FY06
<b>4.1.D.5 DATA PROCESSING FACILITY</b>												
<b>4.1.D.5.1 PROTOTYPE DATA MANAGER</b>												
DS211660	Create scripts for accessing Oracle	5	03/15/01A	03/21/01A	DS211670							
DS211650	Create database layout for datasets	47	03/15/01A	05/18/01A	DS211670, DS211680							
DS211670	Create web interface to database	5	11/26/01*	11/30/01	DS211680*	189						
DS211680	Create wrapper to run jobs and update databas	15	12/03/01	12/21/01	DS211690	189						
<b>4.1.D.5.2 AUTOMATED SERVER</b>												
DS211690	Create functional spec of server	10	10/01/02*	10/14/02	DS211700*, DS211720*	0						
DS211700	Write definition of processing state database	10	10/15/02	10/28/02	DS211710*	0						
DS211720	Create web monitoring tool for server	60	10/15/02	01/17/03	DS211730, DS211990, DS212280	240						
DS211710	Create Code Server - Design	60	10/29/02	02/03/03	DS211750*	0						
DS211750	Create Code Server - Implement	60	02/04/03	04/29/03	DS211760*	0						
DS211760	Create Code Server - Test	107	04/30/03	09/30/03	DS211360, DS211740*, DS212280*	0						
DS211740	Interface Server to Reconstruction	63	10/01/03	01/08/04	DS211730*, DS212810*, DS900000*	0						
DS212810	Production Version of Data Processing Facility	0		01/08/04		553						
DS211730	Ongoing Support of ? (SLAC)	553*	01/09/04	03/31/06		0						
DS900200	Ongoing Support of (HEPL)	0		03/31/06		0						
<b>4.1.D.5.3 INSTRUMENT DIAGNOSTICS</b>												
DS211770	Obtain Requirements from Subsystems	65	09/24/04	01/04/05	DS211780*	0						
DS211780	Create Initial Diagnostics	127	01/05/05	07/06/05	DS211790*	0						
DS211790	Create Web Tools For Diagnostics	121	07/07/05	01/04/06	DS211800*, DS211990*, DS212720*	0						
DS212720	Data Processing Facility Completed	0		01/04/06		60						

Act ID	Activity Description	Dur	Start	Finish	Successors	Total Float	FY01	FY02	FY03	FY04	FY05	FY06
<b>4.1.D.5.3 INSTRUMENT DIAGNOSTICS</b>												
DS211800	Refine Diagnostics	60*	01/05/06	03/31/06	DS900200*	0						
<b>4.1.D.6 CALIBRATION</b>												
<b>4.1.D.6.1 TOOLS FOR ACCESSING CONSTANTS</b>												
DS211810	select mechanism for holding constants	20	01/07/02*	02/04/02	DS211820*	989						
DS211820	create converters to access constants	40	02/05/02*	04/02/02	DS211990	989						
<b>4.1.D.6.2 ACD CALIBRATION</b>												
DS211830	create ACD pulse height histograms	120	01/02/02*	06/21/02	DS211990, DS212550*, DS212770*	0						
DS212770	AV: ACD Pulse Height Histograms for I & T	0		06/21/02	1M1001100	0						
DS212550	Ongoing Support	932	06/24/02	03/31/06*		0						
<b>4.1.D.6.3 CALORIMETER CALIBRATION</b>												
DS212320	Determine Balloon Flight Optical Gains	39	08/13/01A	09/28/01A								
DS211840	Create Balloon Flt Elect. Calibrat'n Tables FY01	29	08/20/01A	09/28/01A	DS211845*							
DS211845	Create Balloon Flt Elect. Calibrat'n Tables FY02	43*	10/01/01A	11/30/01		1,067						
DS212340	Define Cosmic Ray Calibration Requirements	19	01/07/02*	02/01/02	DS212350*, DS212355*	0						
DS212350	Do Calibration Prototype Coding (NRL)	72	02/04/02	05/15/02	DS212355*, DS212360*, DS212780*	0						
DS212355	Do Calibration Prototype Coding (Fr)	72	02/04/02	05/15/02	DS212365*	100						
DS212780	AV: Calibration Prototype Coding for I & T	0		05/15/02	1M1001110	0						
DS212360	Revise Calibration Scheme (NRL)	54	05/16/02	08/01/02	DS211850, DS212365*	100						
DS212365	Revise Calibration Scheme (Fr)	54	05/16/02	08/01/02	DS211855	100						
DS211850	Create Calorimeter Cosmic Ray Selector (NRL)	108	01/03/03	06/06/03	DS211855*, DS211860*	0						
DS211855	Create Calorimeter Cosmic Ray Selector (Fr)	120	01/03/03	06/24/03	DS211865*	0						

Act ID	Activity Description	Dur	Start	Finish	Successors	Total Float	FY01	FY02	FY03	FY04	FY05	FY06
<b>4.1.D.6.3 CALORIMETER CALIBRATION</b>												
DS211860	Determine Calorimeter Energy Scale (NRL)	108	06/09/03	11/07/03	DS211865, DS212370*	12						
DS212330	Revise Electronic Calibration Algorithm	109	11/03/03*	04/16/04		484						
DS211865	Determine Calorimeter Energy Scale (Fr)	240	06/25/03	06/14/04	DS212375*	0						
DS212370	Support Calorimeter Calibration & DataBase (NRL)	464	11/10/03	09/26/05	DS212375	124						
DS212375	Support Calorimeter Calibration & DataBase (Fr)	444*	06/15/04	03/31/06		0						
<b>4.1.D.6.4 TRACKER CALIBRATION</b>												
DS211900	create TKR dead/noisy strips lists	120	01/02/02*	06/21/02	DS211990, DS212790*	0						
DS212790	AV: Tracker Dead/Noisy Strips for I & T	0		06/21/02	1M1001120	0						
DS211880	create TKR tower & tray alignment	240	02/01/02*	01/22/03	DS211890*, DS212800*	0						
DS212800	AV: Tracker Tower & Tray Alignment	0		01/22/03	1M1001130	0						
DS211890	create TKR alignment with optical axis	120	01/23/03	07/14/03	DS211990, DS212670*	0						
<b>4.1.D.6.5 HIGH LEVEL CALIBRATIONS</b>												
DS211910	create database	120	12/10/01*	06/07/02	DS211920*, DS211925*, DS211935*	0						
DS211925	generate instrument response functions (NRL)	100	06/10/02	10/29/02	DS212460*, DS212710	0						
DS211935	generate instrument response functions (Fr)	100	06/10/02	10/29/02	DS212465*, DS212710	0						
DS211920	generate instrument response functions (SLAC)	240	06/10/02	05/29/03	DS211925*, DS211930*, DS211935*, DS212710*	0						
DS212710	Completed Instrument Response function	0		05/29/03		702						
DS212460	Ongoing Support for Calorimeter (NRL)	842	10/30/02	03/31/06		0						
DS212465	Ongoing Support for Calorimeter (Fr)	842	10/30/02	03/31/06		0						
DS211930	Ongoing Support (SLAC)	702	05/30/03	03/31/06		0						

Act ID	Activity Description	Dur	Start	Finish	Successors	Total Float	FY01	FY02	FY03	FY04	FY05	FY06
<b>4.1.D.6.5 HIGH LEVEL CALIBRATIONS</b>												
DS212670	Ongoing Support for Tracker Calibration (SLAC)	671	07/15/03	03/31/06		0						
<b>4.1.D.7 MANAGEMENT</b>												
<b>4.1.D.7.1 SCIENCE ANALYSIS SOFTWARE MANAGEMENT</b>												
DS212000	HEPL FY 2000 Support	127	04/03/00A	09/29/00A	DS212010							
DS212440	GSFC Contractor MPS FY '00	127	04/03/00A	09/29/00A								
DS210730	transfer cvs repo to SLAC ( was 4.1.D.2.9.1 )	9	10/02/00A	10/13/00A								
DS211940	hire SciProg at SLAC	10	10/09/00A	10/20/00A	DS211950							
DS211950	Programmer starts	0	02/01/01A		DS210800*, DS210810							
DS211970	ready for SAS PDR	0		08/17/01A								
DS212010	HEPL FY 2001 Support	237	10/02/00A	09/28/01A	DS212300*							
DS212380	GSFC Contractor MPS plus 4% Lab Tax: FY '01	247	10/02/00A	09/28/01A	DS212390*							
DS211980	ready for SAS CDR	0		07/31/02*	2S201150, DS211990	24						
DS212190	GSFC: Domestic Travel FY '02	247*	10/01/01A	09/30/02	DS212450*	0						
DS212195	GSFC: Foreign Travel FY '02	247*	10/01/01A	09/30/02	DS212455*	0						
DS212290	NRL: Domestic Travel FY '02	247*	10/01/01A	09/30/02	DS212630*	0						
DS212300	HEPL: Travel FY '02	247*	10/01/01A	09/30/02	DS212590*	0						
DS212390	GSFC Contractor MPS plus 4% Lab Tax: FY '02	247*	10/01/01A	09/30/02	DS212400*	0						
DS213000	HEPL: M & S FY '02	247*	10/01/01A	09/30/02		863						
DS2130020	HEPL: M & S FY '04	248	11/01/01	11/01/02		839						
DS2130030	HEPL: M & S FY '05	248	11/01/01	11/01/02		839						

Act ID	Activity Description	Dur	Start	Finish	Successors	Total Float	FY01	FY02	FY03	FY04	FY05	FY06
<b>4.1.D.7.1 SCIENCE ANALYSIS SOFTWARE MANAGEMENT</b>												
DS2130010	HEPL: M & S FY '03	471*	11/01/01	09/30/03		616						
DS212400	GSFC Contractor MPS plus 4% Lab Tax: FY '03	247*	10/01/02	09/30/03	DS212410*	0						
DS212450	GSFC: Domestic Travel FY '03	247*	10/01/02	09/30/03	DS212560*	0						
DS212455	GSFC: Foreign Travel FY '03	247*	10/01/02	09/30/03	DS212565*	0						
DS212590	HEPL: Travel FY '03	247*	10/01/02	09/30/03	DS212600*	0						
DS212630	NRL: Domestic Travel FY '03	247*	10/01/02	09/30/03	DS212640*	0						
DS212410	GSFC Contractor MPS plus 4% Lab Tax: FY '04	248	10/01/03	09/30/04	DS212420*	0						
DS212560	GSFC: Domestic Travel FY '04	248	10/01/03	09/30/04	DS212570*	0						
DS212565	GSFC: Foreign Travel FY '04	248	10/01/03	09/30/04	DS212575*	0						
DS212600	HEPL: Travel FY '04	248	10/01/03	09/30/04	DS212610*	0						
DS212640	NRL: Domestic Travel FY '04	248	10/01/03	09/30/04	DS212650*	0						
DS212420	GSFC Contractor MPS plus 4% Lab Tax: FY '05	248	10/01/04	09/30/05	DS212430*	0						
DS212570	GSFC: Domestic Travel FY '05	248	10/01/04	09/30/05	DS212580*	0						
DS212575	GSFC: Foreign Travel FY '05	248	10/01/04	09/30/05	DS212585*	0						
DS212610	HEPL: Travel FY '05	248	10/01/04	09/30/05	DS212620*	0						
DS212650	NRL: Domestic Travel FY '05	248	10/01/04	09/30/05	DS212660*	0						
DS211990	Final End-to-End test	0		01/04/06		60						
DS211960	Science Analysis Software Subsystem Management	1,484*	04/03/00A	03/31/06		0						
DS212310	Oversee Code Architecture	1,484*	04/03/00A	03/31/06		0						

Act ID	Activity Description	Dur	Start	Finish	Successors	Total Float	FY01	FY02	FY03	FY04	FY05	FY06	
<b>4.1.D.7.1 SCIENCE ANALYSIS SOFTWARE MANAGEMENT</b>													
DS2130040	HEPL: M & S FY '06	1,087*	11/01/01	03/31/06		0							
DS212430	GSFC Contractor MPS plus 4% Lab Tax: FY '06	120*	10/03/05	03/31/06		0							
DS212580	GSFC: Domestic Travel FY '06	120*	10/03/05	03/31/06		0							
DS212585	GSFC: ForeignTravel FY '06	120*	10/03/05	03/31/06		0							
DS212620	HEPL: Travel FY '06	120*	10/03/05	03/31/06		0							
DS212660	NRL: Domestic Travel FY '06	120*	10/03/05	03/31/06		0							
<b>4.1.D.7.2 SCIENCE ANALYSIS SOFTWARE REQUIREMENTS</b>													
<b>4.1.D.7.2.1 LEVEL 3 REQUIREMENTS</b>													
DS212050	hold LAT review	0		04/20/00A									
DS212020	draft Level 3 requirements	5	03/29/01A	04/04/01A	DS212030								
DS212030	internal review of reqs	0		04/05/01A	DS212040								
DS212040	iterate reqs	9	04/06/01A	04/18/01A	DS212050								
<b>4.1.D.7.2.2 LEVEL 4 REQUIREMENTS</b>													
DS212060	define structure of requirements documents	7	02/15/01A	02/23/01A	DS212070, DS212080, DS212090, DS212100, DS212110, DS212120, DS212130, DS212140, DS212150, DS212160, DS212170								
DS212070	write Geometry D.1 draft reqs	10	02/26/01A	03/09/01A	DS212180								
DS212080	write Sim/Recon D.2 draft reqs	10	02/26/01A	03/09/01A	DS212180								
DS212090	write Sources D.3 draft reqs	10	02/26/01A	03/09/01A	DS212180								
DS212100	write Trigger Sim/Analysis D.4 draft reqs	10	02/26/01A	03/09/01A	DS212180								
DS212110	write Background Rejection D.5 draft reqs	10	02/26/01A	03/09/01A	DS212180								
DS212120	write Performance Tuning & Monitor D.6 draft	10	02/26/01A	03/09/01A	DS212180								
DS212130	write Analysis Tools D.8 draft reqs	10	02/26/01A	03/09/01A	DS212180								

Act ID	Activity Description	Dur	Start	Finish	Successors	Total Float	FY01	FY02	FY03	FY04	FY05	FY06
<b>4.1.D.7.2.2 LEVEL 4 REQUIREMENTS</b>												
DS212140	write Science Tools D.11 draft reqs	10	02/26/01A	03/09/01A	DS212180							
DS212150	write DPF D.12 draft reqs	10	02/26/01A	03/09/01A	DS212180							
DS212160	write Infrastructure D.13 draft reqs	10	02/26/01A	03/09/01A	DS212180							
DS212170	write Calibrations D.14 draft reqs	10	02/26/01A	03/09/01A								
DS212180	iterate reqs	5	08/07/01A	08/13/01A	DS211970							
<b>4.1.D.7.3 PDR SUPPORT</b>												
DS212200	perform First code release	0		06/01/01A	DS210710*, DS212210		▼					
DS212210	initial look for problems - hand scan sample	10	05/29/01A	06/11/01A	DS212220							
DS212220	examine the 1000 events (signal + bkg) with p	5	06/12/01A	06/18/01A	DS212230							
DS212230	generate 5x10^5 bkg, 10k photon events	2	06/19/01A	06/21/01A	DS101250*, DS212240							
DS212240	perform background analysis	15	08/13/01A	08/17/01A	DS212250							
DS212250	generate 50x10^6 bkg, 50k photon events	5	08/20/01A	08/24/01A	DS212260*							
DS212260	Repeat analysis	63*	09/10/01A	12/07/01	DS212270*	1,062	■					
DS212270	LAT PDR - 1 month	0		12/07/01*		1,062	▽					
<b>4.1.D.7.4 MOCK DATA CHALLENGE 1</b>												
DS212280	Mock Data Challenge I	0		09/30/03		616						▽