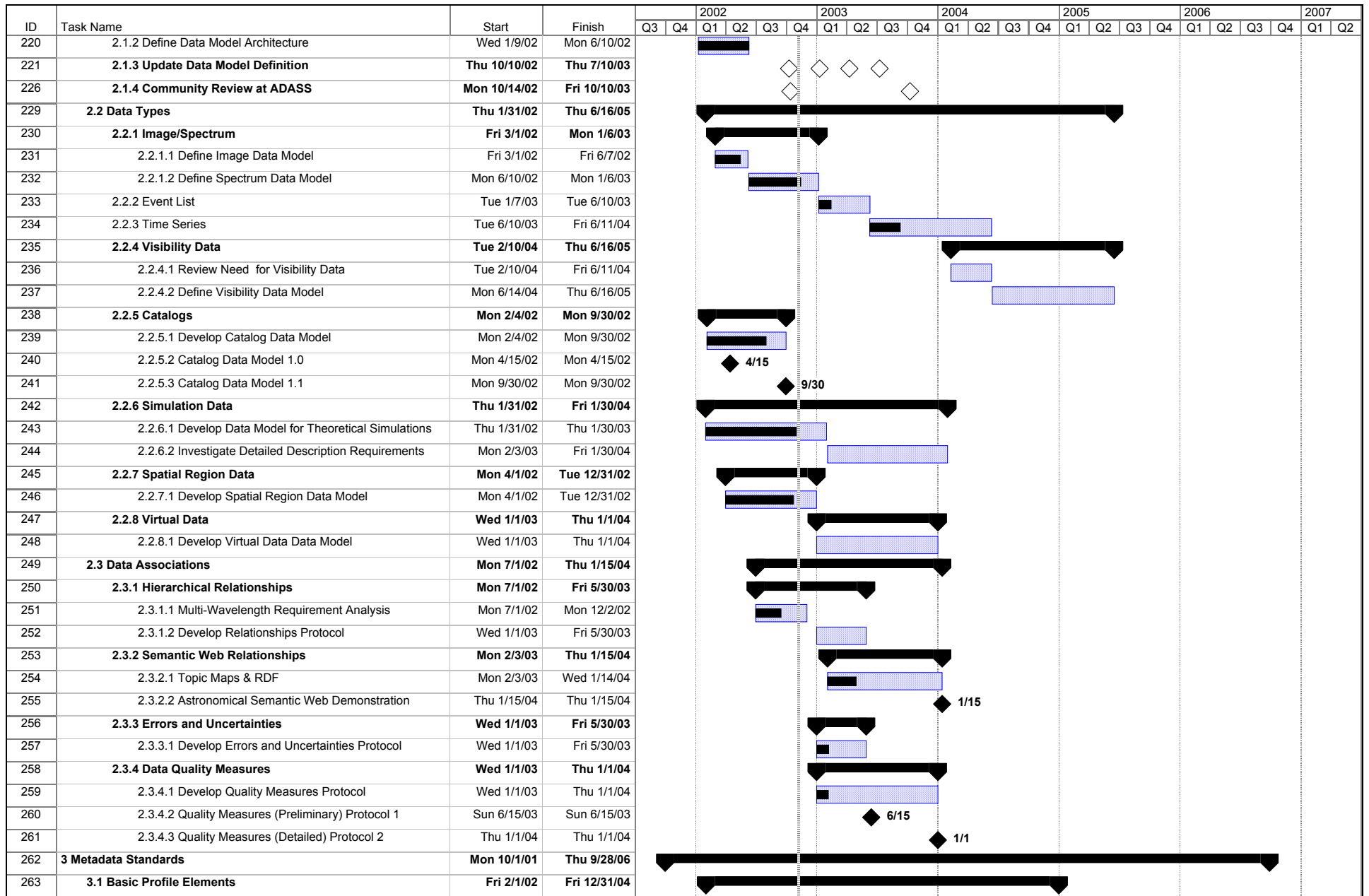


ID	Task Name	Start	Finish	2002				2003				2004				2005				2006				2007			
				Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
1	1 Project Management	Mon 10/1/01	Thu 11/30/06																								
2	1.1 Science Oversight	Mon 10/1/01	Fri 9/29/06																								
3	1.1.1 Community Interactions	Mon 10/1/01	Thu 9/28/06																								
4	1.1.1.1 WebSite	Mon 10/1/01	Thu 9/28/06																								
5	1.1.1.1.1 Develop and Maintain	Mon 10/1/01	Thu 9/28/06																								
6	1.1.1.1.2 WebSite Creation	Tue 1/1/02	Tue 1/1/02																								
7	1.1.1.2 Recruit Advisory Committee	Mon 12/10/01	Thu 8/1/02																								
8	1.1.1.3 Advisory Committee Meetings	Wed 11/13/02	Wed 11/16/05																								
13	1.1.1.4 AAS Meetings	Mon 1/7/02	Mon 6/5/06																								
24	1.1.1.5 IVO Conf, Garching	Mon 6/10/02	Mon 6/10/02																								
25	1.1.1.6 SPIE, Kona	Mon 8/26/02	Mon 8/26/02																								
26	1.1.1.7 ADASS	Mon 10/14/02	Mon 10/10/05																								
31	1.1.1.8 Supercomp Conf	Mon 11/11/02	Mon 11/11/02																								
32	1.1.1.9 IAU GA/VO Symp	Fri 8/15/03	Fri 8/15/03																								
33	1.2 Agency Interactions	Mon 10/1/01	Thu 9/14/06																								
34	1.1.3 Design Reference Mission	Tue 2/5/02	Wed 12/31/03																								
35	1.1.3.1 Simple Science Goals	Tue 2/5/02	Mon 7/1/02																								
36	1.1.3.2 Intermediate Science Goals	Tue 10/1/02	Fri 1/31/03																								
37	1.1.3.3 Complex Science Goals	Tue 7/1/03	Wed 12/31/03																								
38	1.1.4 International Science Liaison	Wed 10/10/01	Fri 9/29/06																								
39	1.1.4.1 Coordinate International Liaison	Wed 10/10/01	Fri 9/29/06																								
40	1.1.4.2 NVO / AVO / AstroGrid Agreement	Mon 6/10/02	Mon 6/10/02																								
41	1.1.4.3 Current European Funding Stops	Wed 9/1/04	Wed 9/1/04																								
42	1.2 Technical Oversight and QA	Tue 1/1/02	Sat 9/30/06																								
43	1.2.1 Documentation Standards & Revision Control	Tue 1/1/02	Fri 9/29/06																								
44	1.2.1.1 Define Documentation Standards/Formats	Tue 1/1/02	Wed 5/15/02																								
45	1.2.1.2 Select Document Management System	Wed 5/15/02	Mon 7/1/02																								
46	1.2.1.3 Operate Controlled Document Library	Mon 7/1/02	Fri 9/29/06																								
47	1.2.2 Coding Standards & Revision Control	Mon 7/1/02	Sat 9/30/06																								
48	1.2.2.1 Define Coding Standards	Mon 7/1/02	Mon 12/30/02																								
49	1.2.2.2 Select Code Management System	Mon 7/1/02	Mon 12/30/02																								
50	1.2.2.3 Operate Controlled Software Library	Tue 12/31/02	Sat 9/30/06																								
51	1.2.3 Testing Standards	Mon 7/1/02	Fri 9/29/06																								
52	1.2.3.1 Define Testing Standards	Mon 7/1/02	Mon 12/30/02																								
53	1.2.3.2 Select Test Management System	Mon 7/1/02	Mon 12/30/02																								
54	1.2.3.3 Operate Controlled Test Environment and Proced.	Tue 12/31/02	Fri 9/29/06																								
55	1.2.4 International Technical Standards	Mon 1/28/02	Fri 6/14/02																								
56	1.2.4.1 Establish International Working Groups	Mon 1/28/02	Fri 6/14/02																								

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	Progress		Rolled Up Task		Split		Group By Summary	
	Milestone		Rolled Up Milestone		External Tasks			

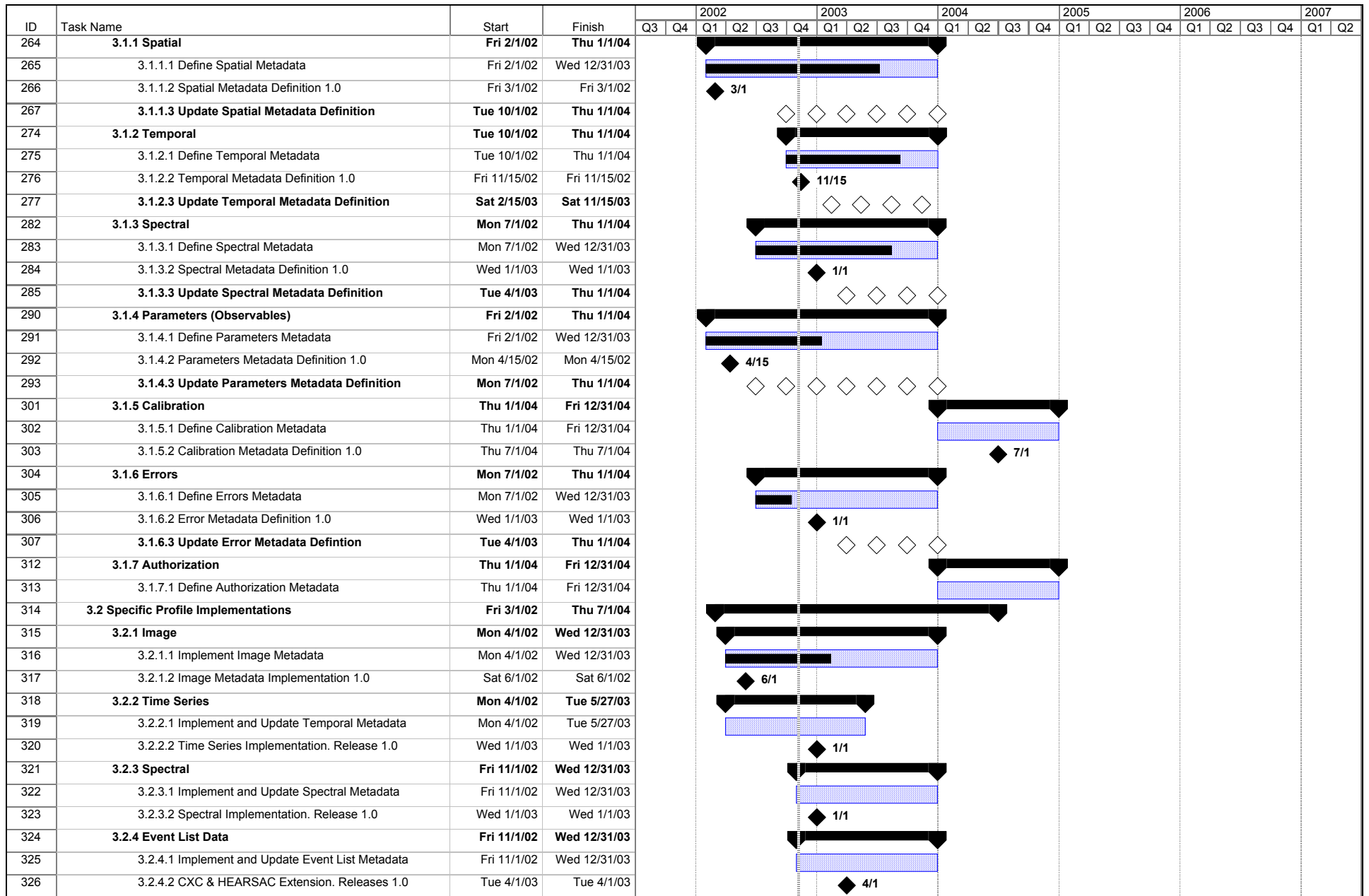
ID	Task Name	Start	Finish	2002				2003				2004				2005				2006				2007		
				Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
57	1.2.4.1.1 Interoperability	Mon 1/28/02	Mon 1/28/02			◆	◆																			
58	1.2.4.1.2 Science	Thu 2/7/02	Thu 2/7/02			◆	◆																			
59	1.2.4.1.3 Systems	Fri 6/14/02	Fri 6/14/02																							
60	1.2.4.1.4 e-mail Distribution Lists	Fri 2/15/02	Wed 5/15/02			◆	◆																			
61	1.2.4.1.4.1 Interoperability	Fri 2/15/02	Fri 2/15/02			◆	◆																			
62	1.2.4.1.4.2 Science	Thu 2/21/02	Thu 2/21/02			◆	◆																			
63	1.2.4.1.4.3 Systems	Wed 5/15/02	Wed 5/15/02																							
64	1.3 Project and Budget Oversight	Mon 10/1/01	Thu 11/30/06																							
65	1.3.1 Project Schedule and Deliverables	Tue 1/1/02	Thu 9/28/06																							
66	1.3.1.1 Develop and Maintain Project Schedule	Tue 1/1/02	Thu 9/28/06																							
67	1.3.1.2 Project Management Plan	Tue 1/1/02	Tue 11/15/05																							
68	1.3.1.2.1 Project Management Plan	Tue 1/1/02	Tue 1/1/02			◆	◆																			
69	1.3.1.2.2 Project Management Plan Update 1	Tue 5/21/02	Tue 5/21/02																							
70	1.3.1.2.3 Project Management Plan Update	Fri 11/15/02	Tue 11/15/05																							
75	1.3.2 Budgetary Control and Review	Mon 10/1/01	Thu 9/14/06																							
76	1.3.3 Status Reports	Thu 1/10/02	Thu 11/30/06																							
77	1.3.3.1 Monthly Reports	Fri 4/5/02	Sun 11/5/06																							
134	1.3.3.2 Quarterly Reports	Thu 1/10/02	Wed 11/1/06																							
161	1.3.3.3 Final Report	Thu 11/30/06	Thu 11/30/06																							
162	1.3.4 Financial Reports	Wed 5/1/02	Wed 11/1/06																							
182	1.3.5 Organizational Interfaces and Coordination	Mon 10/1/01	Thu 9/28/06																							
183	1.3.5.1 Establish & Maintain Working Communication	Mon 10/1/01	Thu 9/28/06																							
184	1.3.5.2 Create & Maintain Project WebSite	Mon 10/1/01	Thu 9/28/06																							
185	1.3.5.3 Project WebSite On-Line	Sat 12/1/01	Sat 12/1/01																							
186	1.3.5.4 e-mail Distribution Lists	Thu 11/1/01	Mon 7/15/02																							
187	1.3.5.4.1 Executive Committee	Thu 11/1/01	Thu 11/1/01			◆	◆																			
188	1.3.5.4.2 Collaborators	Thu 11/1/01	Thu 11/1/01			◆	◆																			
189	1.3.5.4.3 VOTable	Fri 2/15/02	Fri 2/15/02																							
190	1.3.5.4.4 Technical Contacts	Mon 4/1/02	Mon 4/1/02																							
191	1.3.5.4.5 Metadata Working Group	Mon 4/1/02	Mon 4/1/02																							
192	1.3.5.4.6 System Architecture Working Group	Mon 4/1/02	Mon 4/1/02																							
193	1.3.5.4.7 Science Working Group	Mon 4/1/02	Mon 4/1/02																							
194	1.3.5.4.8 Education and Outreach	Mon 7/15/02	Mon 7/15/02																							
195	1.3.6 International Program Coordination	Thu 1/10/02	Tue 10/10/06																							
196	1.3.6.1 Management Telecons	Thu 1/10/02	Tue 10/10/06																							
217	2 Data Models	Mon 10/1/01	Thu 6/16/05																							
218	2.1 Architecture	Mon 10/1/01	Fri 10/10/03																							
219	2.1.1 Review Existing Data Models	Mon 10/1/01	Thu 2/28/02																							

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	Progress		Rolled Up Task		Split		Group By Summary	
	Milestone	◆	Rolled Up Milestone	◇	External Tasks			



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	Progress		Rolled Up Task		Split		Group By Summary	
	Milestone		Rolled Up Milestone		External Tasks			

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Project: s2-10-25-02 Date: Tue 11/5/02	Task		Summary		Rolled Up Progress		Project Summary	
	Progress		Rolled Up Task		Split		Group By Summary	
	Milestone		Rolled Up Milestone		External Tasks			

ID	Task Name	Start	Finish	2002				2003				2004				2005				2006				2007		
				Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
457	4.1.1.1 Define Overall System-Level Requirements	Mon 10/1/01	Mon 4/1/02	[Task Bar]																						
458	4.1.1.2 Refine System Requirements	Mon 4/1/02	Mon 7/1/02																							
459	4.1.2 Component Requirements	Tue 1/1/02	Mon 9/2/02	[Task Bar]																						
460	4.1.2.1 Define Components Requirements	Tue 1/1/02	Mon 7/1/02	[Task Bar]																						
461	4.1.2.2 Refine Components Requirements	Wed 7/3/02	Mon 9/2/02																							
462	4.1.3 Interaction with Grid Components and Tools	Tue 1/1/02	Mon 9/2/02	[Task Bar]																						
463	4.1.3.1 Define IGCT Requirements	Tue 1/1/02	Mon 7/1/02	[Task Bar]																						
464	4.1.3.2 Refine IGCT Requirements	Wed 7/3/02	Mon 9/2/02																							
465	4.1.4 Logical Name Space	Tue 1/1/02	Fri 11/1/02	[Task Bar]																						
466	4.1.4.1 Define Logic Name Space Requirements	Tue 1/1/02	Mon 7/1/02	[Task Bar]																						
467	4.1.4.2 Refine Logic Name Space Requirements	Wed 7/3/02	Fri 11/1/02																							
468	4.2 Interface Definition	Tue 1/1/02	Wed 1/1/03	[Task Bar]																						
469	4.2.1 Interface Versioning	Tue 1/1/02	Wed 1/1/03	[Task Bar]																						
470	4.2.1.1 Define Version Specifications	Tue 1/1/02	Mon 7/1/02	[Task Bar]																						
471	4.2.1.2 Refine Version Specifications	Wed 7/3/02	Wed 1/1/03																							
472	4.2.2 Capabilities: GLU and WSDL	Tue 1/1/02	Wed 1/1/03	[Task Bar]																						
473	4.2.2.1 Define Capabilities Specifications	Tue 1/1/02	Mon 7/1/02	[Task Bar]																						
474	4.2.2.2 Refine Capabilities Specifications	Wed 7/3/02	Wed 1/1/03																							
475	4.2.3 Data and Metadata	Tue 1/1/02	Wed 1/1/03	[Task Bar]																						
476	4.2.3.1 Data and Metadata Specifications	Tue 1/1/02	Mon 7/1/02	[Task Bar]																						
477	4.2.3.2 Refine Data and Metadata Specifications	Wed 7/3/02	Wed 1/1/03																							
478	4.3 Network Requirements	Wed 1/1/03	Tue 7/1/03																							
479	4.3.1 Data Centers	Wed 1/1/03	Tue 7/1/03																							
480	4.3.2 Computational Service Centers	Wed 1/1/03	Tue 7/1/03																							
481	4.3.3 End-User	Wed 1/1/03	Tue 7/1/03																							
482	4.4 Computational Requirements	Wed 1/1/03	Tue 7/1/03																							
483	4.4.1 Data Centers	Wed 1/1/03	Tue 7/1/03																							
484	4.4.2 Computational Service Centers	Wed 1/1/03	Tue 7/1/03																							
485	4.5 Security Requirements	Mon 7/1/02	Mon 12/1/03																							
486	4.5.1 User Authentication	Mon 7/1/02	Tue 4/1/03																							
487	4.5.1.1 Define User Authentication Requirements	Mon 7/1/02	Thu 10/31/02																							
488	4.5.1.2 Evaluate Globus GSI Solution	Fri 11/1/02	Tue 4/1/03																							
489	4.5.2 Authorization and Community Policy	Tue 4/1/03	Mon 12/1/03																							
490	4.5.2.1 Define Community Access Authorization Requirem	Tue 4/1/03	Tue 7/1/03																							
491	4.5.2.2 Evaluate CAS Solution	Tue 7/1/03	Mon 12/1/03																							
492	5 Data Access/Resource Layer	Mon 10/1/01	Fri 9/29/06	[Task Bar]																						
493	5.1 Resource and Information Discovery	Fri 3/1/02	Wed 12/31/03	[Task Bar]				[Task Bar]				[Task Bar]				[Task Bar]				[Task Bar]						
494	5.1.1 By Sky Coverage	Fri 3/1/02	Wed 12/31/03	[Task Bar]				[Task Bar]				[Task Bar]				[Task Bar]				[Task Bar]						

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	Progress		Rolled Up Task		Split		Group By Summary	
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ID	Task Name	Start	Finish	2002				2003				2004				2005				2006				2007		
				Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
495	5.1.1.1 Requirements	Fri 3/1/02	Mon 12/30/02																							
496	5.1.1.2 Development	Tue 8/6/02	Wed 12/31/03																							
497	5.1.2 By Data Type and Other Parameterized Selections	Fri 3/1/02	Wed 12/31/03																							
498	5.1.2.1 Requirements	Fri 3/1/02	Mon 12/30/02																							
499	5.1.2.2 Development	Fri 8/2/02	Wed 12/31/03																							
500	5.1.3 Catalogs and Inventories	Fri 3/1/02	Wed 12/31/03																							
501	5.1.3.1 Requirements	Fri 3/1/02	Mon 12/30/02																							
502	5.1.3.2 Development	Tue 8/6/02	Wed 12/31/03																							
503	5.1.4 Extensions to GLU	Mon 3/4/02	Tue 10/1/02																							
504	5.2 Data Access Mechanisms	Wed 1/1/03	Thu 4/1/04																							
505	5.2.1 Data Replication	Wed 1/1/03	Thu 4/1/04																							
506	5.2.1.1 Investigate Globus RLS Design	Wed 1/1/03	Wed 10/1/03																							
507	5.2.1.2 Develop Data Replication Capabilities	Thu 1/1/04	Thu 4/1/04																							
508	5.2.2 Data Caching	Thu 1/1/04	Thu 4/1/04																							
509	5.2.3 High Performance I/O and Bulk Data Access Services	Thu 1/1/04	Thu 4/1/04																							
510	5.3 Data Access Protocols	Mon 10/1/01	Sun 6/1/03																							
511	5.3.1 Directories	Mon 10/1/01	Mon 10/1/01																							
512	5.3.2 Capabilities	Mon 10/1/01	Mon 10/1/01																							
513	5.3.3 Exchange Protocols: XML	Fri 2/1/02	Tue 4/15/03																							
514	5.3.3.1 Develop VO Table Format	Fri 2/1/02	Mon 4/15/02																							
515	5.3.3.2 VO Table International Agreement	Mon 4/15/02	Mon 4/15/02																							
516	5.3.3.3 Develop Query & Response XML Formats	Tue 4/16/02	Tue 4/15/03																							
517	5.3.4 Exchange Protocols: SOAP	Fri 2/1/02	Mon 3/31/03																							
518	5.3.4.1 Build SOAP Web Services	Fri 2/1/02	Mon 3/31/03																							
519	5.3.4.2 Initial SOAP Web Service Demonstration	Tue 10/15/02	Tue 10/15/02																							
520	5.3.5 Exchange Protocols: Grid and GriPhyN	Tue 10/1/02	Sun 6/1/03																							
521	5.3.5.1 Build HP Computing App.	Tue 10/1/02	Sun 6/1/03																							
522	5.4 Data Access Portals	Mon 2/4/02	Fri 9/29/06																							
523	5.4.1 Generic Clients	Mon 2/4/02	Sat 12/31/05																							
524	5.4.1.1 Define & Develop Generic Clients Framework	Mon 2/4/02	Sat 12/31/05																							
525	5.4.1.2 Web-Oriented Access Prototype	Fri 8/1/03	Fri 8/1/03																							
526	5.4.2 Legacy Software Systems	Thu 1/1/04	Sat 12/31/05																							
527	5.4.2.1 Develop Interfaces for Legacy Systems	Thu 1/1/04	Sat 12/31/05																							
528	5.4.2.2 Initial Legacy Systems Support Running	Mon 11/1/04	Mon 11/1/04																							
529	5.4.2.3 Advanced Legacy Systems Support Running	Sat 12/31/05	Sat 12/31/05																							
530	5.4.3 Education and Outreach Products	Wed 10/1/03	Fri 9/29/06																							
531	6 NVO Services	Fri 2/1/02	Fri 12/30/05																							
532	6.1 Computational Services	Fri 2/1/02	Wed 9/29/04																							

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				Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
533	6.1.1 Compute-Intensive Services	Fri 2/1/02	Wed 12/31/03																								
534	6.1.1.1 Develop NVO compliant FASTMIX code	Mon 2/4/02	Tue 12/31/02																								
535	6.1.1.2 Develop Mosaic-Service Application	Mon 2/4/02	Tue 12/31/02																								
536	6.1.1.3 Improve Mosaic-Service Application	Wed 1/1/03	Wed 12/31/03																								
537	6.1.1.4 Develop Psearch Scalable Version	Fri 2/1/02	Mon 12/30/02																								
538	6.1.1.5 Develop 2MAST-NED CrossID Tool	Fri 2/1/02	Mon 12/30/02																								
539	6.1.1.6 Improve Cross-ID Tools	Wed 1/1/03	Wed 12/31/03																								
540	6.1.2 Request Management	Fri 2/1/02	Wed 9/29/04																								
541	6.1.2.1 Develop Access System to Grid Resources	Fri 2/1/02	Wed 9/29/04																								
542	6.1.2.2 IRSA NED Prototype	Tue 10/1/02	Tue 10/1/02																								
543	6.1.2.3 Image Mosaicing Facilities (NASA HPCC)	Wed 1/1/03	Wed 1/1/03																								
544	6.1.2.4 Integration with Standard Grid Technologies	Tue 7/1/03	Tue 7/1/03																								
545	6.1.2.5 Develop Intermediate Sci. Scn. Capabilities	Wed 7/3/02	Tue 7/1/03																								
546	6.1.2.6 Enhance Performance and User Access	Tue 7/1/03	Wed 9/29/04																								
547	6.2 Computational Resource Management	Sat 8/30/03	Fri 12/30/05																								
548	6.2.1 Computational Request and Planning	Sat 8/30/03	Fri 12/30/05																								
549	6.2.1.1 Initial Teragrid Deployment	Sat 8/30/03	Sat 8/30/03																								
550	6.2.1.2 Teragrid Deployment Evaluation and Test	Mon 11/3/03	Sat 1/31/04																								
551	6.2.1.3 NVO Teragrid Req & Planning Development	Mon 2/2/04	Fri 12/30/05																								
552	6.2.2 Authentication	Mon 11/3/03	Fri 12/30/05																								
553	6.2.2.1 Performance Appraisal	Mon 11/3/03	Sat 1/31/04																								
554	6.2.2.2 NVO Authentication Updates	Mon 2/2/04	Fri 12/30/05																								
555	6.2.3 Data Storage	Mon 11/3/03	Fri 12/30/05																								
556	6.2.3.1 Performance Appraisal	Mon 11/3/03	Sat 1/31/04																								
557	6.2.3.2 Storage Policy Review/Revision	Mon 2/2/04	Fri 12/30/05																								
558	6.2.4 Virtual Data	Thu 1/1/04	Fri 12/31/04																								
559	6.2.4.1 Develop Derived Data Product Catalog for NVO Gi	Thu 1/1/04	Tue 6/1/04																								
560	6.2.4.2 Implement Production Catalog	Tue 6/1/04	Fri 12/31/04																								
561	7 Service/Data Provider I&I	Tue 4/2/02	Sat 10/2/04																								
562	7.1 Service/Data Provider Implementation	Tue 4/2/02	Sat 10/2/04																								
563	7.1.1 Service Provider Interface Definitions	Tue 4/2/02	Thu 9/30/04																								
564	7.1.1.1 Develop Service Provider Interface Def. Prototype	Tue 4/2/02	Fri 8/30/02																								
565	7.1.1.2 Extend and Refine the Service Provider Interface	Mon 9/2/02	Thu 9/30/04																								
566	7.1.2 Service Provider Interface Toolkits	Mon 2/3/03	Sat 10/2/04																								
567	7.1.2.1 Develop a Software Template Prototype	Mon 2/3/03	Tue 7/1/03																								
568	7.1.2.2 Extend and Refine Software Templates	Wed 7/2/03	Sat 10/2/04																								
569	7.2 Service/Data Provider Integration	Mon 2/3/03	Thu 4/1/04																								
570	7.2.1 Service Inventory	Mon 2/3/03	Thu 4/1/04																								

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	Milestone		Rolled Up Milestone		External Tasks			

