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ID	Task Name	% Complete	Duration	Start	Finish	Predecessors	Resource Names
1	 <b>MyProxy Development</b>	100%	15 days	Mon 5/16/05	Fri 6/3/05		
2	 MyProxy Interface with LDAP (preloaded certs)	100%	2 wks	Mon 5/16/05	Fri 5/27/05		TerryF,BillB
3	 Establish Initial Test Server	100%	1 wk	Mon 5/30/05	Fri 6/3/05	2	TerryF,BillB
4	 <b>MetaCat Development</b>	100%	80 days	Mon 5/23/05	Fri 9/9/05		
5	 EML Generation and Harvest (define EML and populate MetaCat database) ETA 7/8	100%	7 wks	Mon 5/23/05	Fri 7/8/05		MarkS,DuaneC
6	 Implement record level ACL for selected metacat records	100%	1 wk	Mon 8/29/05	Fri 9/2/05		DuaneC
7	 Implement GSI-Enabled HTTPS for Java Client API (phase 1) ETA 7/15 7/22 7/29 8/5 8/17 8/26 9/2	100%	15 wks	Mon 5/30/05	Fri 9/9/05	2	BillB
8	<b>HPC Development</b>	93%	85 days	Mon 5/16/05	Fri 9/9/05		
9	 Upgrade Matlab on tungsten (7.01 R14 SP1 pwelch)	100%	3 wks	Mon 5/16/05	Fri 6/3/05		RandyB,GregB
10	 Establish tungsten account for Stuart	100%	5 wks	Mon 6/20/05	Fri 7/22/05		MikeF
11	 Matlab on tungsten how-to session	100%	1 day	Mon 7/18/05	Mon 7/18/05		
12	 Develop/Deploy Matlab Script - matchsiggrid.m	100%	10 wks	Mon 6/6/05	Fri 8/12/05	9	RaheemS
13	 Deploy Matlab Script - biophony.m ETA 9/9	100%	10 wks	Mon 7/4/05	Fri 9/9/05		RaheemS,StuartG
14	 Establish tungsten accounts for LNO team members	0%	2 wks	Mon 8/29/05	Fri 9/9/05		RandyB
15	 <b>WebApp Development</b>	100%	89 days	Mon 5/16/05	Thu 9/15/05		
16	 Design User Experience (Screen Design, Appl Flow, etc.)	100%	8 wks	Mon 5/16/05	Fri 7/8/05		DavidG
17	 Resolve problems with 3rd party transfers (w/ AI) ETA 7/22	100%	4 wks	Wed 6/22/05	Tue 7/19/05		MichaelB
18	 Establish HEAD stream for prototype web application (CVS: LTERPilotApp)	100%	1 wk	Mon 7/4/05	Fri 7/8/05		MikeF
19	 Implement L&F in HTML/JSP Pages	100%	6 wks	Mon 7/11/05	Fri 8/19/05	18	DavidG
20	 User Authentication via MyProxy	100%	1 wk	Mon 7/11/05	Fri 7/15/05	18	MichaelB
21	 Calculate w/o POP FTPs	100%	2 days	Mon 7/18/05	Tue 7/19/05	20	MichaelB
22	 Calculate w POP FTPs - URIs hard-coded	100%	2 days	Wed 7/20/05	Thu 7/21/05	21	MichaelB
23	 Invoke MetaCat Search via unencrypted HTTP	100%	2 days	Fri 7/22/05	Mon 7/25/05	22	MichaelB
24	 Calculate w POP FTPs using MetaCat URIs	100%	2 days	Tue 7/26/05	Wed 7/27/05	23	MichaelB
25	 Implement Temporal (Date Range) Selection Criteria in Java Layer	100%	2 days	Thu 7/28/05	Fri 7/29/05	24	MichaelB
26	 Use user-selected signature file only (not all sig files)	100%	2 days	Mon 8/1/05	Tue 8/2/05	25	MichaelB
27	 Implement fixes to support concurrency, i.e. rr:/tmp/LTERPilotApp/\$jsessionid/fn1	100%	2 days	Wed 8/3/05	Thu 8/4/05	26	MichaelB
28	 Read field data records from metacat	100%	2 days	Fri 8/5/05	Mon 8/8/05	27	MichaelB
29	 Read signature records from Metacat	100%	2 days	Tue 8/9/05	Wed 8/10/05	28	MichaelB
30	 Performance - use matlab "-nodisplay" option	100%	2 days	Thu 8/11/05	Fri 8/12/05	29	MichaelB
31	 Resolve issues with GridFTPFileServlet	100%	2 days	Mon 8/15/05	Tue 8/16/05	30	MikeF
32	 Implement time filtering	100%	2 days	Wed 8/17/05	Thu 8/18/05	31	DavidG
33	 Implement previous/next buttons on the calculation page	100%	2 days	Fri 8/19/05	Mon 8/22/05	32	DavidG
34	 Implement Details Page - display *ALL FOUR* output charts/graphs (PNGs) in browser ETA 9/15 AM	100%	2 days	Tue 8/23/05	Wed 8/24/05	33	MichaelB
35	 Improve GridFTP performance - use TARed transfer between grid.matrix and tungsten ETA 9/16 AM	100%	2 days	Thu 8/25/05	Fri 8/26/05	34	MichaelB
36	 Adjust font sizes in browser pages ETA 9/14	100%	2 days	Mon 8/29/05	Tue 8/30/05	35	DavidG
37	 Eliminate identical/duplicate query to metacat after field data is selected	100%	2 days	Fri 9/2/05	Mon 9/5/05	36	BillB
38	 Eliminate remote calls in pingRemoteHome	100%	2 days	Thu 9/8/05	Fri 9/9/05	37	MikeF
39	 Add metacat messages into log page	100%	2 days	Mon 9/12/05	Tue 9/13/05	38	MikeF
40	 Remove prev/next when not applicable - "pref calc" link?	100%	2 days	Wed 9/14/05	Thu 9/15/05	39	DavidG
41	 Invoke MetaCat Search via GSI-Enabled HTTPS (phase 1)	100%	2 days	Mon 9/12/05	Tue 9/13/05	7	BillB
42	 <b>Audit/Logging Functionality</b>	100%	45 days	Tue 6/28/05	Mon 8/29/05		
43	 Design/Test Solution	100%	4 wks	Tue 6/28/05	Mon 7/25/05		PatrickD
44	 Implement Solution on Test Servers	100%	4 wks	Tue 7/26/05	Mon 8/22/05	43	PatrickD
45	 Design/Implement Audit/Log/Data Providence web page	100%	1 wk	Tue 8/23/05	Mon 8/29/05	44	DavidG

LTERgrid Pilot Project Plan Updated Wed 9/21/05

ID	Task Name	% Complete	Duration	Start	Finish	Predecessors	Resource Names
46	<b>POP Server at MichSt</b>	100%	67 days	Wed 6/1/05	Thu 9/1/05		
47	Acquire small set of WAV files for initial development	100%	1 wk	Tue 6/7/05	Mon 6/13/05		DavidG
48	Establish Temporary GridFTP Server for Initial Development	100%	1 wk	Tue 6/14/05	Mon 6/20/05	47	
49	Hardware specs to Stuart	100%	4 days	Wed 6/1/05	Mon 6/6/05		MikeF
50	Acquire Hardware (Bill Punch @ MichSt)	100%	11 wks	Tue 6/7/05	Mon 8/22/05	49	StuartG
51	Installation & Configuration of GridFTP Server on grid.matrix	100%	2 days	Tue 8/23/05	Wed 8/24/05	50	PatrickD
52	copy data files to grid.matrix	100%	1 day	Thu 8/25/05	Thu 8/25/05	51	MikeF
53	Harvest field data files into metacat pointing to grid.matrix	100%	1 wk	Fri 8/26/05	Thu 9/1/05	5,52	DuaneC
54	Harvest signature files into metacat	100%	1 wk	Fri 8/26/05	Thu 9/1/05	5,52	MarkS
55	<b>Deployment</b>	100%	40 days	Mon 7/25/05	Fri 9/16/05		
56	Deploy MyProxy Server to roadrunner ETA 8/12	100%	3 wks	Mon 7/25/05	Fri 8/12/05	2	BillB
57	Deploy Tomcat and LTERPilotApp Alpha to roadrunner	100%	1 wk	Mon 8/15/05	Fri 8/19/05		Team
58	Add memory to roadrunner (256M -> 768K)	100%	3 wks	Mon 8/8/05	Fri 8/26/05		MarkS
59	Install syslog-ng on grid.matrix	100%	2 days	Tue 8/23/05	Wed 8/24/05	44	PatrickD
60	Install syslog-ng & database on roadrunner	100%	2 days	Thu 8/25/05	Fri 8/26/05	59	PatrickD
61	Deploy MetaCat (GSI-HTTPS) Server to roadrunner ETA 8/19 8/26	100%	2 days	Mon 9/12/05	Tue 9/13/05	7	BillB
62	Configure pre-ws gram gatekeeper on grid.matrix.msu.edu	100%	1 day	Thu 9/15/05	Thu 9/15/05		PatrickD
63	Deploy LTERPilotApp - Final Version	100%	1 day	Fri 9/16/05	Fri 9/16/05	15,56,60,62	
64	Choreography	100%	4 wks	Mon 8/22/05	Fri 9/16/05		DavidG
65	<b>Rehearsal Event</b>	100%	10 days	Mon 8/29/05	Fri 9/9/05		Team
66	Plan technology - network, vnc (tightvnc), polycomm	100%	1 wk	Mon 8/29/05	Fri 9/2/05		
67	Prepare agenda	100%	1 wk	Mon 9/5/05	Fri 9/9/05		RandyB
68	Event Day	100%	0 days	Fri 9/9/05	Fri 9/9/05		
69	Feature Freeze	100%	0 days	Mon 9/12/05	Mon 9/12/05		
70	Integration Testing of Entire System	100%	2 wks	Thu 9/1/05	Wed 9/14/05		
71	Hard Freeze	100%	0 days	Fri 9/16/05	Fri 9/16/05		
72	<b>DEMO Sep 19-22 LTER Coordinating Committee Meeting - Virginia</b>	100%	11 days	Mon 9/5/05	Tue 9/20/05		
73	Travel Arrangements	100%	2 wks	Mon 9/5/05	Fri 9/16/05		
74	Plan technology for remote support (IM, MUD, IRC) Answer: Yahoo IM Chatroom	100%	2 wks	Mon 9/5/05	Fri 9/16/05		
75	Fallback slides - screenshot PPT	100%	2 days	Wed 9/14/05	Thu 9/15/05		MikeF
76	Load USB harddrive	100%	2 days	Wed 9/14/05	Thu 9/15/05		MikeF
77	External speakers	100%	2 days	Wed 9/14/05	Thu 9/15/05		StuartG
78	DEMO Event Sep 20	100%	0 days	Tue 9/20/05	Tue 9/20/05		

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**LTRGrid Pilot Project Plan** Updated Wed 9/21/05

ID	Task Name	June	July	August	September
1	<b>MyProxy Development</b>				
2	MyProxy Interface with LDAP (preloaded certs)	TerryF,BillB			
3	Establish Initial Test Server	TerryF,BillB			
4	<b>MetaCat Development</b>				
5	EML Generation and Harvest (define EML and populate MetaCat database) ETA 7/8		Marks,DuaneC		
6	Implement record level ACL for selected metacat records				DuaneC
7	Implement GSI-Enabled HTTPS for Java Client API (phase 1) ETA 7/15 7/22 7/29 8/5 8/17 8/26 9/2				BillB
8	<b>HPC Development</b>				
9	Upgrade Matlab on tungsten (7.01 R14 SP1 pwelch)	RandyB,GregB			
10	Establish tungsten account for Stuart		MikeF		
11	Matlab on tungsten how-to session				
12	Develop/Deploy Matlab Script - matchsiggrid.m			RaheemS	
13	Deploy Matlab Script - biophony.m ETA 9/9				RaheemS,St
14	Establish tungsten accounts for LNO team members				RandyB
15	<b>WebApp Development</b>				
16	Design User Experience (Screen Design, Appl Flow, etc.)	DavidG			
17	Resolve problems with 3rd party transfers (w/ AI) ETA 7/22		MichaelB		
18	Establish HEAD stream for prototype web application (CVS: LTERPilotApp)		MikeF		
19	Implement L&F in HTML/JSP Pages			DavidG	
20	User Authentication via MyProxy		MichaelB		
21	Calculate w/o POP FTPs		MichaelB		
22	Calculate w POP FTPs - URIs hard-coded		MichaelB		
23	Invoke MetaCat Search via unencrypted HTTP		MichaelB		
24	Calculate w POP FTPs using MetaCat URIs		MichaelB		
25	Implement Temporal (Date Range) Selection Criteria in Java Layer		MichaelB		
26	Use user-selected signature file only (not all sig files)		MichaelB		
27	Implement fixes to support concurrency, i.e. rr:/tmp/LTERPilotApp/\$jsessionid/fn1		MichaelB		
28	Read field data records from metacat		MichaelB		
29	Read signature records from Metacat		MichaelB		
30	Performance - use matlab "-nodisplay" option		MichaelB		
31	Resolve issues with GridFTPFileServlet		MichaelB		
32	Implement time filtering		MikeF		
33	Implement previous/next buttons on the calculation page		DavidG		
34	Implement Details Page - display *ALL FOUR* output charts/graphs (PNGs) in browser ETA 9/15 AM		DavidG		
35	Improve GridFTP performance - use TARed transfer between grid.matrix and tungsten ETA 9/16 AM		MichaelB		
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37	Eliminate identical/duplicate query to metacat after field data is selected		DavidG		
38	Eliminate remote calls in pingRemoteHome		MichaelB		
39	Add metacat messages into log page		BillB		
40	Remove prev/next when not applicable - "pref calc" link?		MikeF		
41	Invoke MetaCat Search via GSI-Enabled HTTPS (phase 1)		MikeF		
42	<b>Audit/Logging Functionality</b>				
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44	Implement Solution on Test Servers			PatrickD	
45	Design/Implement Audit/Log/Data Providence web page				DavidG

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