

# All Tasks

# HIRES Dewar/Detector Upgrade

Tue 9/23/03

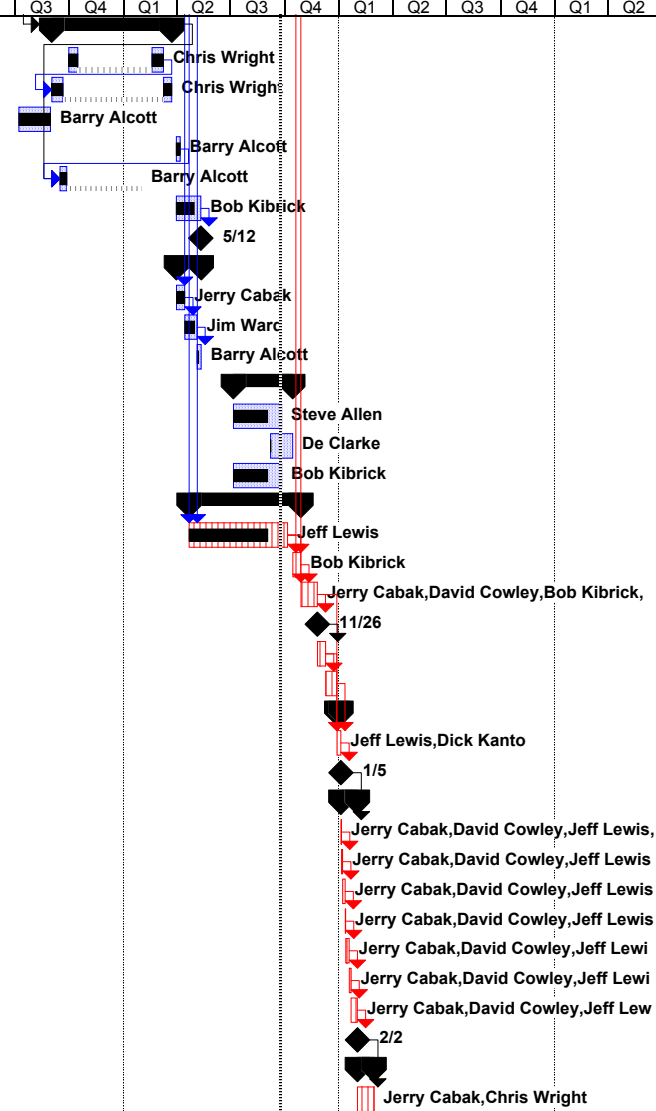
ID	Task Name	Duration	Remaining Duration	Start	Finish	% Complete	2002				2003				2004				2005			
							Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
1	<b>Science Grade CCDs (3)</b>	<b>252.8 days</b>	<b>15.26 days</b>	<b>Fri 10/11/02</b>	<b>Wed 10/15/03</b>	<b>94%</b>																
2	Characterize and select CCDs	320 hrs	0 hrs	Fri 10/11/02	Mon 3/17/03	100%																
3	CCD/ backplane metrology	40 days	0 days	Mon 4/7/03	Fri 5/30/03	100%																
4	mount dead chips BP1	5 days	0 days	Mon 1/6/03	Fri 1/10/03	100%																
5	mount engineering grade chips BP2	5 days	0 days	Mon 8/11/03	Fri 8/15/03	100%																
6	mount science CCD hardware BP3	3.2 wks	1.28 wks	Tue 9/16/03	Wed 10/15/03	60%																
7	<b>Documentation of existing dewar</b>	<b>30 days</b>	<b>0 days</b>	<b>Thu 12/27/01</b>	<b>Wed 2/6/02</b>	<b>100%</b>																
8	Documentation of existing dewar	240 hrs	0 hrs	Thu 12/27/01	Wed 2/6/02	100%																
9	Conceptual Electronics Design	124 days	0 days	Fri 3/1/02	Wed 8/21/02	100%																
10	<b>Dewar Design</b>	<b>264.5 days</b>	<b>0 days</b>	<b>Wed 4/3/02</b>	<b>Tue 4/22/03</b>	<b>100%</b>																
11	<b>Electronic design</b>	<b>153.5 days</b>	<b>0 days</b>	<b>Mon 7/1/02</b>	<b>Thu 2/13/03</b>	<b>100%</b>																
12	CCD board	93.5 days	0 days	Mon 7/1/02	Thu 2/13/03	100%																
13	CCD board flex circuit	12 days	0 days	Mon 10/28/02	Tue 11/12/02	100%																
14	Mechanical Design	1238.9 hrs	0 hrs	Wed 4/3/02	Wed 11/6/02	100%																
15	<b>Mechanical Fabrication</b>	<b>94 days</b>	<b>0 days</b>	<b>Wed 8/7/02</b>	<b>Tue 12/17/02</b>	<b>100%</b>																
16	Fab of dewar body	6 wks	0 wks	Wed 8/7/02	Wed 9/18/02	100%																
17	Fab of back planes (3)	15 days	0 days	Mon 8/26/02	Fri 9/13/02	100%																
18	Fab Dewar Cold Finger	20 days	0 days	Wed 8/7/02	Wed 9/4/02	100%																
19	Fab of internal structures	66.5 days	0 days	Fri 9/13/02	Tue 12/17/02	100%																
20	Electronic Fabrication	3 wks	0 wks	Wed 4/2/03	Tue 4/22/03	100%																
21	Choice of LN2 or Cryo Tiger	0 days	0 days	Tue 6/11/02	Tue 6/11/02	100%																
22	Completion of Vacuum Dewar	0 days	0 days	Fri 12/20/02	Fri 12/20/02	100%																
23	<b>Dewar electronics box</b>	<b>138.5 days</b>	<b>0 days</b>	<b>Mon 10/7/02</b>	<b>Thu 5/1/03</b>	<b>100%</b>																
24	<b>Electronic design</b>	<b>118.5 days</b>	<b>0 days</b>	<b>Mon 10/7/02</b>	<b>Thu 4/3/03</b>	<b>100%</b>																
25	analog switch board	85.8 days	0 days	Mon 10/7/02	Fri 3/28/03	100%																
26	power board	12 days	0 days	Wed 1/8/03	Tue 4/1/03	100%																
27	internal flex circuits	3 wks	0 wks	Wed 2/5/03	Thu 4/3/03	100%																
28	Concept Mechanical design	200 hrs	0 hrs	Wed 11/13/02	Tue 12/17/02	100%																
29	Detailed Mechanical Design	27.75 days	0 days	Wed 1/8/03	Tue 4/1/03	100%																
30	Mechanical fabricaton	381 hrs	0 hrs	Fri 1/24/03	Wed 4/2/03	100%																
31	Electrical fabrication	4 wks	0 wks	Thu 4/3/03	Thu 5/1/03	100%																
32	Completion of Dewar System	0 days	0 days	Wed 4/2/03	Wed 4/2/03	100%																
33	<b>Field Flattener</b>	<b>43 days</b>	<b>0 days</b>	<b>Mon 6/3/02</b>	<b>Wed 7/31/02</b>	<b>100%</b>																
34	Optical fabrication	344 hrs	0 hrs	Mon 6/3/02	Wed 7/31/02	100%																
35	Completion of Field Flattener fab	0 days	0 days	Wed 7/31/02	Wed 7/31/02	100%																
36	<b>Field Flattener coating</b>	<b>60 days</b>	<b>0 days</b>	<b>Mon 11/18/02</b>	<b>Fri 2/21/03</b>	<b>100%</b>																
37	Coating at LL	60 days	0 days	Mon 11/18/02	Fri 2/21/03	100%																
38	<b>Leach 2 vme Crate</b>	<b>203 days</b>	<b>8.4 days</b>	<b>Mon 7/8/02</b>	<b>Wed 4/30/03</b>	<b>96%</b>																
39	Order parts/receive parts	6 wks	0 wks	Mon 7/8/02	Fri 8/16/02	100%																
40	Electronic fabricaton	100 hrs	0 hrs	Mon 9/2/02	Wed 9/18/02	100%																
41	software	240 hrs	24 hrs	Thu 3/20/03	Wed 4/30/03	90%																
42	VME Crate Complete	0 days	0 days	Fri 4/11/03	Fri 4/11/03	100%																
43	<b>Leach 2 CCD Controler</b>	<b>211 days</b>	<b>11.74 days</b>	<b>Mon 7/8/02</b>	<b>Mon 5/12/03</b>	<b>94%</b>																

# All Tasks














# HIRES Dewar/Detector Upgrade

Tue 9/23/03

ID	Task Name	Duration	Remaining Duration	Start	Finish	% Complete	2002		2003				2004				2005		
							Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	
44	<b>Electronic design</b>	<b>135.75 days</b>	<b>0 days</b>	<b>Mon 9/2/02</b>	<b>Mon 3/24/03</b>	<b>100%</b>													
45	CCD cable board	5 wks	0 wks	Tue 10/1/02	Mon 3/10/03	100%													
46	CCD cabling	5 wks	0 wks	Mon 9/2/02	Mon 3/24/03	100%													
47	order parts	8 wks	0 wks	Mon 7/8/02	Fri 8/30/02	100%													
48	test cables and video boards	1 wk	0 wks	Tue 4/1/03	Mon 4/7/03	100%													
49	electronic fabricaton	1.95 wks	0 wks	Mon 9/16/02	Fri 1/31/03	100%													
50	software	240 hrs	60 hrs	Tue 4/1/03	Mon 5/12/03	75%													
51	CCD controller complete	0 days	0 days	Mon 5/12/03	Mon 5/12/03	100%													
52	<b>CCD controller foot locker</b>	<b>30 days</b>	<b>4.75 days</b>	<b>Tue 4/1/03</b>	<b>Tue 5/13/03</b>	<b>84%</b>													
53	mechanical design	80 hrs	0 hrs	Tue 4/1/03	Tue 4/15/03	100%													
54	mechanical fabricaton	120 hrs	18 hrs	Tue 4/15/03	Tue 5/6/03	85%													
55	electronic fabrication	40 hrs	20 hrs	Tue 5/6/03	Tue 5/13/03	50%													
56	<b>Hires SW Upgrades</b>	<b>72.5 days</b>	<b>31.08 days</b>	<b>Mon 7/7/03</b>	<b>Wed 10/15/03</b>	<b>57%</b>													
57	Steve Allen	480 hrs	144 hrs	Mon 7/7/03	Fri 9/26/03	70%													
58	D Clarke	220 hrs	217.8 hrs	Mon 9/8/03	Wed 10/15/03	1%													
59	Bob Kibrick	480 hrs	144 hrs	Mon 7/7/03	Fri 9/26/03	70%													
60	<b>Assembly and test</b>	<b>135.4 days</b>	<b>35.48 days</b>	<b>Wed 4/23/03</b>	<b>Wed 10/29/03</b>	<b>74%</b>													
61	Assembly and test	23.8 wks	4.76 wks	Wed 4/23/03	Mon 10/6/03	80%													
62	characterization	10 days	10 days	Wed 10/15/03	Wed 10/29/03	0%													
63	<b>Pre Ship Review workup</b>	<b>4 wks</b>	<b>4 wks</b>	<b>Wed 10/29/03</b>	<b>Wed 11/26/03</b>	<b>0%</b>													
64	Preship review	0 days	0 days	Wed 11/26/03	Wed 11/26/03	0%													
65	Post PSR	2 wks	2 wks	Wed 11/26/03	Wed 12/10/03	0%													
66	FLOAT	13 days	13 days	Wed 12/10/03	Mon 12/29/03	0%													
67	<b>Pack and Ship</b>	<b>5 days</b>	<b>5 days</b>	<b>Mon 12/29/03</b>	<b>Mon 1/5/04</b>	<b>0%</b>													
68	P&S	1 wk	1 wk	Mon 12/29/03	Mon 1/5/04	0%													
69	Ship date	0 days	0 days	Mon 1/5/04	Mon 1/5/04	0%													
70	<b>Commissioning</b>	<b>20 days</b>	<b>20 days</b>	<b>Mon 1/5/04</b>	<b>Mon 2/2/04</b>	<b>0%</b>													
71	unpack and organize	1 day	1 day	Mon 1/5/04	Tue 1/6/04	0%													
72	remove existing dewar and foot locker	2 days	2 days	Tue 1/6/04	Thu 1/8/04	0%													
73	Install new dewar	2 days	2 days	Thu 1/8/04	Mon 1/12/04	0%													
74	install footlocker	1 day	1 day	Mon 1/12/04	Tue 1/13/04	0%													
75	mechanical and electrical connections	4 days	4 days	Tue 1/13/04	Mon 1/19/04	0%													
76	alignment	3 days	3 days	Mon 1/19/04	Thu 1/22/04	0%													
77	testing	7 days	7 days	Thu 1/22/04	Mon 2/2/04	0%													
78	Ready for first light	0 days	0 days	Mon 2/2/04	Mon 2/2/04	0%													
79	<b>Documentation</b>	<b>20 days</b>	<b>20 days</b>	<b>Mon 2/2/04</b>	<b>Mon 3/1/04</b>	<b>0%</b>													
80	completion of documentaiton	4 wks	4 wks	Mon 2/2/04	Mon 3/1/04	0%													



Project: HIRES-3 chips  
Date: Tue 9/23/03

Task		Summary		Rolled Up Progress		External Milestone	
Critical Task		Rolled Up Task		Split		Deadline	
Progress		Rolled Up Critical Task		External Tasks			
Milestone		Rolled Up Milestone		Project Summary	