

ID	Task Name	Start	Finish	Resource Names	May							June				July			
					4/23	4/30	5/7	5/14	5/21	5/28	6/4	6/11	6/18	6/25	7/2	7/9	7/16		
0	palm_lgs	Wed 10/1/03	Tue 8/31/10																
1	AO System	Thu 4/20/06	Tue 8/31/10																
2	Systems Engineering and Documentation	Wed 5/3/06	Thu 1/7/10																
3	LGS HOWFS issues	Wed 5/3/06	Thu 6/29/06																
4	pixel scale	Thu 6/15/06	Tue 6/20/06	JR[50%]															
5	integration at non-laser rates	Wed 5/3/06	Tue 5/9/06	CS[15%],JR[50%]															
6	adj. field stop/spatial filter	Wed 6/21/06	Mon 6/26/06	JR[50%]															
7	acq methods	Tue 6/27/06	Thu 6/29/06	JR[50%]															
9	Software	Tue 4/25/06	Thu 4/22/10																
16	AOCP	Mon 5/15/06	Fri 1/1/10																
19	Motion Control	Mon 5/15/06	Fri 1/1/10																
20	Update motor names	Mon 5/15/06	Tue 5/16/06	JA[10%]															
22	HWFP	Mon 5/29/06	Tue 1/26/10																
23	Improve Faint Guide Star Performance	Mon 5/29/06	Wed 1/20/10																
28	Set centroid flux less than thresh to avg thresh	Mon 5/29/06	Mon 6/12/06																
29	Implement	Mon 5/29/06	Thu 6/1/06	TNT[50%]															
30	test at JPL	Wed 6/7/06	Thu 6/8/06	MT[25%]															
31	Test at Palomar	Fri 6/9/06	Mon 6/12/06	MT[25%]															
38	Telemetry Subsystem	Mon 6/12/06	Thu 1/21/10																
42	db_find takes 5.5 seconds to extract last video image	Mon 6/12/06	Thu 6/15/06	SG[50%]															
44	AO User Interface (TAO)	Tue 4/25/06	Thu 4/22/10																
47	Control	Mon 5/1/06	Thu 1/28/10																
49	Add support for LGS mode	Mon 6/12/06	Fri 9/1/06	TT[25%]															
51	external control of aocp/bto/tcs/pharo from IDL	Mon 5/1/06	Fri 5/19/06	TT[20%]															
52	Automation	Mon 5/22/06	Tue 2/9/10																
53	Compute/load pixel offset maps for LOWFS	Mon 5/22/06	Fri 6/9/06	TT[20%]															
79	IDL/Matlab interface	Mon 6/12/06	Fri 7/7/06																
80	Ability to call aods from IDL	Fri 6/16/06	Thu 6/29/06	SG[50%]															
81	Ability to communicate with TAO from IDL	Fri 6/30/06	Fri 7/7/06	SG[50%]															
82	Flat map improvements	Wed 6/14/06	Mon 6/19/06	CS[50%]															
83	Improve LGS focus script/speed	Thu 6/22/06	Mon 7/3/06	MT[25%]															
84	Setup CVS repository	Mon 6/12/06	Wed 6/21/06	MT[25%]															
85	System crashes/problems (not tracked down to a sub-system)	Wed 4/26/06	Tue 8/31/10																
86	Crash when running in dual star mode and close/open DM	Fri 5/12/06	Fri 6/9/06	SG[50%],MT[25%]															
87	Late Error messages when running slow (<~200Hz)	Mon 7/10/06	Fri 7/21/06	SG[50%]															
95	Optical-Mechanical	Mon 5/8/06	Thu 9/14/06																
96	Dichroic	Mon 5/8/06	Tue 6/6/06																
97	Get new dichroic/decide what to do	Mon 5/8/06	Fri 5/19/06	JR[20%]															
99	Measure new one if it arrives	Mon 5/22/06	Tue 6/6/06	JR[10%]															
100	Stimulus	Thu 6/22/06	Thu 9/14/06																
101	Design	Thu 6/22/06	Wed 7/12/06	JR[50%]															
102	Order Parts	Wed 7/12/06	Thu 8/3/06	JR[25%]															
103	Build at JPL	Thu 8/17/06	Thu 9/14/06	JR[50%]															
104	LGS AWFS	Tue 5/9/06	Fri 5/19/06																
105	Integration at non-laser rates	Tue 5/9/06	Fri 5/19/06	CS[10%],JR[50%]															
106	Computers	Fri 7/28/06	Tue 8/8/06																
107	PC	Fri 7/28/06	Tue 8/8/06																
108	Get LOWFS and HOWFS pixel display working at JPL	Fri 7/28/06	Tue 8/8/06	SG[50%]															

ID	Task Name	Start	Finish	Resource Names	Gantt Chart													
					May				June				July					
					4/23	4/30	5/7	5/14	5/21	5/28	6/4	6/11	6/18	6/25	7/2	7/9	7/16	
109	'Palomar' I&T	Fri 4/28/06	Mon 10/2/06		[Task bar]													
110	Optical-Mechanical	Fri 4/28/06	Mon 10/2/06		[Task bar]													
112	Re-install a LGS Dichroic	Thu 6/8/06	Fri 6/9/06	JR	[Task bar] 0% [Resource bar]													
113	HOWFS	Fri 5/19/06	Tue 6/6/06		[Task bar]													
114	Integration at non-laser rates	Fri 5/19/06	Tue 6/6/06	CS[10%],JR[50%]	[Task bar] 0% [Resource bar] CS[10%],JR[50%]													
115	Laser stumulus	Thu 9/14/06	Mon 10/2/06		[Task bar]													
116	Install and align	Thu 9/14/06	Fri 9/22/06	JR[50%]	[Task bar] [Resource bar] JR[50%]													
117	Test	Fri 9/22/06	Mon 10/2/06	JR[50%]	[Task bar] [Resource bar] JR[50%]													
118	Computers	Fri 4/28/06	Mon 8/14/06		[Task bar]													
121	Implement new PC and AIA interfaces at Palomar	Wed 8/9/06	Mon 8/14/06	SG[50%]	[Task bar] [Resource bar] SG[50%]													
122	Data/AnalysisCalibrations	Thu 4/20/06	Mon 1/25/10		[Task bar]													
127	LOWFS	Tue 6/6/06	Thu 6/22/06		[Task bar]													
128	Derive/document reconstructor	Tue 6/6/06	Thu 6/8/06	JR[50%]	[Task bar] [Resource bar] JR[50%] 0%													
129	Measure spot size/transfer curve	Thu 6/8/06	Wed 6/14/06	JR[50%]	[Task bar] [Resource bar] JR[50%] 0%													
130	Compare spot size/transfer curve to theory	Wed 6/14/06	Tue 6/20/06	JR[50%]	[Task bar] [Resource bar] JR[50%] 0%													
131	Determine optimal bias settings	Tue 6/20/06	Thu 6/22/06	JR[50%]	[Task bar] [Resource bar] JR[50%] 0%													
132	Measure and optimize performance vs star magnitude-on sky?	Wed 6/14/06	Wed 6/21/06	JR[50%]	[Task bar] [Resource bar] JR[50%] 0%													
133	LLT	Wed 6/14/06	Fri 1/8/10		[Task bar]													
134	Measure/optimize bandwidth - on sky	Wed 6/14/06	Thu 6/29/06	MT[25%]	[Task bar] [Resource bar] MT[25%] 0%													
153	BTO	Fri 4/28/06	Thu 1/14/10		[Task bar]													
154	System Engineering (aka planning)	Fri 4/28/06	Thu 7/27/06		[Task bar]													
157	GUI Design	Mon 7/24/06	Thu 7/27/06	SG[50%]	[Task bar] [Resource bar] SG[50%] 0%													
158	Procurements	Mon 5/8/06	Wed 5/17/06		[Task bar]													
162	Order parts for combination of Na/ref lasers	Wed 5/10/06	Mon 5/15/06	AB[10%]	[Task bar] [Resource bar] AB[10%] 0%													
163	Order filters for quad cells	Mon 5/15/06	Wed 5/17/06	AB[10%]	[Task bar] [Resource bar] AB[10%] 0%													
164	Software	Mon 5/1/06	Thu 1/14/10		[Task bar]													
165	Polarization	Tue 5/16/06	Mon 6/5/06		[Task bar]													
166	Define algorithm/requirements	Wed 5/17/06	Fri 5/19/06	CS[50%]	[Task bar] [Resource bar] CS[50%] 0%													
167	Implement algorithm (LP)	Fri 5/19/06	Mon 6/5/06	CS[50%]	[Task bar] [Resource bar] CS[50%] 0%													
169	Laser Focus	Wed 5/10/06	Mon 5/22/06		[Task bar]													
171	Define algorithm/requirements	Wed 5/10/06	Thu 5/11/06	CS	[Task bar] [Resource bar] CS 0%													
172	Impelemnt Algorithm (LP)	Tue 5/16/06	Fri 5/19/06	CS[50%]	[Task bar] [Resource bar] CS[50%] 0%													
175	make minimum flux levels changeable from command line	Tue 5/23/06	Mon 5/29/06	JA[20%]	[Task bar] [Resource bar] JA[20%] 0%													
176	Check safety code is working	Tue 5/30/06	Mon 6/5/06	JA[20%]	[Task bar] [Resource bar] JA[20%] 0%													
177	implement leaky integrator for HS loop	Tue 6/6/06	Mon 6/12/06	JA[20%]	[Task bar] [Resource bar] JA[20%] 0%													
178	save/restore all values	Tue 6/13/06	Thu 6/15/06	JA[20%]	[Task bar] [Resource bar] JA[20%] 0%													
179	Make it self-erecting	Thu 6/1/06	Mon 6/12/06	CS[50%]	[Task bar] [Resource bar] CS[50%] 0%													
180	long term fix for drivers	Mon 5/8/06	Fri 6/2/06	AM[50%]	[Task bar] [Resource bar] AM[50%] 0%													
184	talk to tao for TCS information	Thu 6/15/06	Thu 6/29/06	JA[20%]	[Task bar] [Resource bar] JA[20%] 0%													
187	Computer	Wed 5/3/06	Mon 1/4/10		[Task bar]													
190	Replace current disk with solid date disk	Tue 5/9/06	Thu 5/11/06	SG[50%]	[Task bar] [Resource bar] SG[50%] 0%													
194	Palomar I&T	Wed 5/10/06	Thu 7/13/06		[Task bar]													
195	Re-install BTO computer	Fri 5/12/06	Fri 5/12/06		[Task bar] 100%													
196	Polarization	Wed 5/10/06	Mon 5/22/06		[Task bar]													
197	Install 1/4 waveplate in LLT	Fri 5/19/06	Mon 5/22/06	HP	[Task bar] [Resource bar] HP 0%													
199	Test software control	Thu 5/18/06	Fri 5/19/06	CS,JA	[Task bar] [Resource bar] CS,JA 50%													
201	Laser focus	Tue 5/23/06	Wed 5/24/06		[Task bar]													
203	Test software control using algoihtm	Wed 5/24/06	Wed 5/24/06	JA[50%]	[Task bar] [Resource bar] JA[50%] 0%													

