

# LRIS ADC Full Aperture-Core Project

ID	Task Name	Cost Code	Duration	Work	Start	Finish	Resource Names	003																									
								Half 2, 2003	Half 1, 2004	Half 2, 2004	Half 1, 2005																						
								M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J
1	<b>Optics</b>		<b>240 days</b>	<b>1,140 hrs</b>	<b>Mon 12/15/03</b>	<b>Mon 11/29/04</b>																											
2	<b>Optical Design Analysis</b>		<b>129.64 days</b>	<b>300 hrs</b>	<b>Tue 4/6/04</b>	<b>Mon 10/4/04</b>																											
3	Optical Design support-CDR	KADCOD	1.5 wks	60 hrs	Tue 4/6/04	Thu 4/15/04	D Phillips																										
4	Optical Testing Analysis	KADCOD	6 wks	240 hrs	Tue 8/24/04	Mon 10/4/04	D Phillips																										
5	<b>Optical Fabrication</b>		<b>240 days</b>	<b>840 hrs</b>	<b>Mon 12/15/03</b>	<b>Mon 11/29/04</b>																											
6	Order Optical Materials	KADCOM	2 wks	80 hrs	Mon 12/15/03	Fri 1/9/04	D Hilyard																										
7	Optical Materials delivery		12 wks	0 hrs	Mon 1/12/04	Mon 4/5/04																											
8	Optical Fabrication	KADCOF	20 wks	240 hrs	Tue 4/6/04	Mon 8/23/04	D Hilyard[30%]																										
9	Optical Acceptance Testing	KADCOD	6 wks	200 hrs	Tue 8/24/04	Mon 10/4/04	D Hilyard[50%],																										
10	Optical Coatings	KADCOC	8 wks	320 hrs	Tue 10/5/04	Mon 11/29/04	W Brown																										
11	<b>Electronics</b>		<b>222.14 days?</b>	<b>1,200 hrs</b>	<b>Mon 12/15/03</b>	<b>Thu 11/4/04</b>																											
12	<b>Electronics-CDR investigations</b>	<b>KADCEE</b>	<b>108.93 days?</b>	<b>610 hrs</b>	<b>Mon 12/15/03</b>	<b>Fri 5/28/04</b>																											
13	Elect Design General mounting		19.64 days?	110 hrs	Mon 12/15/03	Fri 1/23/04	B Alcott[70%]																										
14	Electronic Documentation		17.86 days?	100 hrs	Tue 3/16/04	Fri 4/9/04	B Alcott[70%]																										
15	Electronic Board Design		35.71 days?	200 hrs	Fri 1/23/04	Tue 3/16/04	B Alcott[70%]																										
16	Elect Misc		35.71 days?	200 hrs	Fri 4/9/04	Fri 5/28/04	B Alcott[70%]																										
17	<b>Electronics Fab</b>		<b>72.5 days?</b>	<b>590 hrs</b>	<b>Mon 7/26/04</b>	<b>Thu 11/4/04</b>																											
18	Electronic mountings	KADCEF	1.5 wks	90 hrs	Wed 9/8/04	Mon 9/20/04	T Cantrall,B Alc																										
19	General wiring	KADCEF	3 wks	120 hrs	Mon 9/20/04	Mon 10/11/04	B Alcott[50%],T																										
20	Electronics Ordering		32.14 days?	180 hrs	Mon 7/26/04	Wed 9/8/04	T Cantrall[70%]																										
21	Documentation		17.86 days?	100 hrs	Wed 9/8/04	Mon 10/4/04	B Alcott[70%]																										
22	Test and Troubleshoot		17.86 days?	100 hrs	Mon 10/11/04	Thu 11/4/04	B Alcott[70%]																										
23	<b>Software</b>		<b>91.26 days?</b>	<b>536 hrs</b>	<b>Mon 12/15/03</b>	<b>Wed 5/5/04</b>																											
24	Galil software		22.86 days?	128 hrs	Mon 12/15/03	Wed 1/28/04	W Deich[70%]																										
25	Dispatcher Software		54.29 days?	304 hrs	Wed 1/28/04	Thu 4/15/04	W Deich[70%]																										
26	Traffic daemon		1.43 days?	8 hrs	Thu 4/15/04	Fri 4/16/04	W Deich[70%]																										
27	ADC KTL service Clent library		2.86 days?	16 hrs	Fri 4/16/04	Wed 4/21/04	W Deich[70%]																										
28	GUI	KADCSF	1.54 wks	40 hrs	Wed 4/21/04	Mon 5/3/04	D Clark[50%],B																										
29	Software-Slitmask Design Mods	KADCSS	7.14 days	40 hrs	Mon 4/26/04	Wed 5/5/04	D Phillips[70%]																										
30	<b>Mechanical Engineering</b>		<b>135.36 days?</b>	<b>346 hrs</b>	<b>Mon 12/15/03</b>	<b>Tue 7/6/04</b>																											
31	<b>ME-CDR level design</b>	<b>KADCME</b>	<b>30.36 days?</b>	<b>190 hrs</b>	<b>Mon 12/15/03</b>	<b>Mon 2/9/04</b>																											
32	attachment points		3.57 days?	20 hrs	Mon 12/15/03	Thu 12/18/03	V Wallace[70%]																										
33	structure		7.14 days?	40 hrs	Mon 12/15/03	Wed 1/7/04	V Wallace[70%]																										
34	slides and ball screw translation		7.14 days?	40 hrs	Wed 1/7/04	Fri 1/16/04	V Wallace[70%]																										

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								Half 2, 2003	Half 1, 2004	Half 2, 2004	Half 1, 2005						
								M	J	J	A	S	O	N	D		
35	drive system		3.57 days?	20 hrs	Fri 1/16/04	Wed 1/21/04	V Wallace[70%]										V Wallace[70%]
36	of prism cells		3.57 days?	20 hrs	Wed 1/21/04	Tue 1/27/04	V Wallace[70%]										V Wallace[70%]
37	covers		1.79 days?	10 hrs	Tue 1/27/04	Thu 1/29/04	V Wallace[70%]										V Wallace[70%]
38	handling fixture		3.57 days?	20 hrs	Thu 1/29/04	Tue 2/3/04	V Wallace[70%]										V Wallace[70%]
39	electronics enclosure		3.57 days?	20 hrs	Tue 2/3/04	Mon 2/9/04	V Wallace[70%]										V Wallace[70%]
40	ME-Fabrication supervision	KADCMF	520 hrs	156 hrs	Tue 4/6/04	Tue 7/6/04	V Wallace[30%]										V Wallace[30%]
41	<b>Mechanical Fabrication</b>		<b>129.64 days?</b>	<b>656 hrs</b>	<b>Mon 12/15/03</b>	<b>Mon 6/28/04</b>											
42	MF- support of CD	KADCMF	17.86 days?	100 hrs	Mon 12/15/03	Wed 1/21/04	J Lewis[70%]										J Lewis[70%]
43	<b>MF-Fabrication</b>	<b>KADCMF</b>	<b>59.29 days?</b>	<b>556 hrs</b>	<b>Tue 4/6/04</b>	<b>Mon 6/28/04</b>											
44	Support weldment, left		11.61 days?	65 hrs	Tue 4/6/04	Wed 4/21/04	D Kanto[70%]										D Kanto[70%]
45	Support weldment, right		11.61 days?	65 hrs	Wed 4/21/04	Fri 5/7/04	D Kanto[70%]										D Kanto[70%]
46	Frame weldment, upper		8.57 days?	48 hrs	Fri 5/7/04	Thu 5/20/04	D Kanto[70%]										D Kanto[70%]
47	Frame weldment, lower		8.04 days?	45 hrs	Thu 5/20/04	Tue 6/1/04	D Kanto[70%]										D Kanto[70%]
48	Jack stand		19.46 days?	109 hrs	Tue 6/1/04	Mon 6/28/04	D Kanto[70%]										D Kanto[70%]
49	Fiducial mount rail		0.36 days?	2 hrs	Tue 4/6/04	Tue 4/6/04	J Ward[70%]										J Ward[70%]
50	Bearing housing		0.54 days?	3 hrs	Tue 4/6/04	Wed 4/7/04	J Ward[70%]										J Ward[70%]
51	Bearing cap		0.36 days?	2 hrs	Wed 4/7/04	Wed 4/7/04	J Ward[70%]										J Ward[70%]
52	Bearing housing aft		0.54 days?	3 hrs	Wed 4/7/04	Thu 4/8/04	J Ward[70%]										J Ward[70%]
53	Spacer		0.36 days?	2 hrs	Thu 4/8/04	Thu 4/8/04	J Ward[70%]										J Ward[70%]
54	Spacer		0.36 days?	2 hrs	Thu 4/8/04	Thu 4/8/04	J Ward[70%]										J Ward[70%]
55	Sleeve		0.18 days?	1 hr	Thu 4/8/04	Fri 4/9/04	J Ward[70%]										J Ward[70%]
56	Pulley housing		0.71 days?	4 hrs	Fri 4/9/04	Fri 4/9/04	J Ward[70%]										J Ward[70%]
57	Housing cover		0.27 days?	1.5 hrs	Fri 4/9/04	Mon 4/12/04	J Ward[70%]										J Ward[70%]
58	Cover fwd		0.98 days?	5.5 hrs	Mon 4/12/04	Mon 4/12/04	J Ward[70%]										J Ward[70%]
59	Index fwd		0.36 days?	2 hrs	Mon 4/12/04	Tue 4/13/04	J Ward[70%]										J Ward[70%]
60	Cell fwd		17.5 days?	98 hrs	Tue 4/13/04	Thu 5/6/04	J Ward[70%]										J Ward[70%]
61	Cell aft		17.5 days?	98 hrs	Thu 5/6/04	Tue 6/1/04	J Ward[70%]										J Ward[70%]
62	<b>Assembly and Test</b>		<b>140.36 days</b>	<b>1,320 hrs</b>	<b>Mon 6/28/04</b>	<b>Tue 1/18/05</b>											
63	MF-Assembly	KADCAM	4 wks	160 hrs	Mon 6/28/04	Mon 7/26/04	J Ward[50%],J Lewis[50%]										J Ward[50%],J Lewis[50%]
64	MF-Initial Mechanical Testing	KADCTT	2 wks	80 hrs	Mon 7/26/04	Mon 8/9/04	V Wallace[50%]										V Wallace[50%]
65	Initial Electronics testing	KADCTT	3 wks	120 hrs	Mon 10/11/04	Mon 11/1/04	B Alcott										B Alcott
66	Pre Ship Tests	KADCTT	7.2 wks	960 hrs	Tue 11/30/04	Tue 1/18/05	W Diech,V Wall										W Diech, V Wallace
67	<b>Reviews</b>		<b>335 days</b>	<b>960 hrs</b>	<b>Wed 10/15/03</b>	<b>Tue 2/22/05</b>											
68	PDR	KADCRV	0 days	0 hrs	Wed 10/15/03	Wed 10/15/03											

◆ 10/15

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								M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O
69	Post PDR Period		8 wks	0 hrs	Wed 10/15/03	Fri 12/12/03																			
70	Prep for Detailed Design	KADCRV	4 wks	640 hrs	Mon 2/9/04	Tue 3/9/04	D Cowley,V Wa																		
71	Detailed Design Review	KADCRV	0 days	0 hrs	Tue 3/9/04	Tue 3/9/04																			
72	Post DD Period		4 wks	0 hrs	Tue 3/9/04	Tue 4/6/04																			
73	Prep for PSR	KADCRV	2 wks	320 hrs	Wed 1/19/05	Tue 2/1/05	D Cowley,V Wa																		
74	PSR	KADCRV	0 days	0 hrs	Tue 2/1/05	Tue 2/1/05																			
75	Post PSR Period		3 wks	0 hrs	Wed 2/2/05	Tue 2/22/05																			
76	Shipping	KADCSP	5 days	8 hrs	Wed 2/23/05	Tue 3/1/05	D Kanto[10%],J																		
77	Installation and Mech/Elec Tests	KADCIN	2 wks	200 hrs	Wed 3/2/05	Tue 3/15/05	J Lewis[50%],J																		
78	Software and Optical Tests	KADCIN	2 wks	160 hrs	Wed 3/16/05	Tue 3/29/05	D Phillips,W Die																		
79	First Light		0 days	0 hrs	Tue 3/29/05	Tue 3/29/05																			
80	On Sky Tests	KADCIN	3 days	24 hrs	Wed 3/30/05	Fri 4/1/05	D Phillips																		
81	Documentation	KADCDC	4 wks	160 hrs	Mon 4/4/05	Fri 4/29/05	W Diech																		
82	<b>Project Management</b>	<b>KADCPM</b>	<b>400 days</b>	<b>320 hrs</b>	<b>Tue 5/20/03</b>	<b>Tue 12/21/04</b>																			
103	<b>CARA tasks</b>		<b>539 days</b>	<b>0 hrs</b>	<b>Mon 12/16/02</b>	<b>Wed 2/23/05</b>																			
104	Location of defining points		0 days	0 hrs	Sun 3/30/03	Sun 3/30/03																			
105	Defining Points Installed		0 days	0 hrs	Wed 2/23/05	Wed 2/23/05																			
106	LRIS Hatch Modifications Installed		0 days	0 hrs	Wed 8/25/04	Wed 8/25/04																			
107	ICD complete		0 days	0 hrs	Mon 12/16/02	Mon 12/16/02																			
108	Interface infrastructure installed		0 days	0 hrs	Wed 2/23/05	Wed 2/23/05																			

