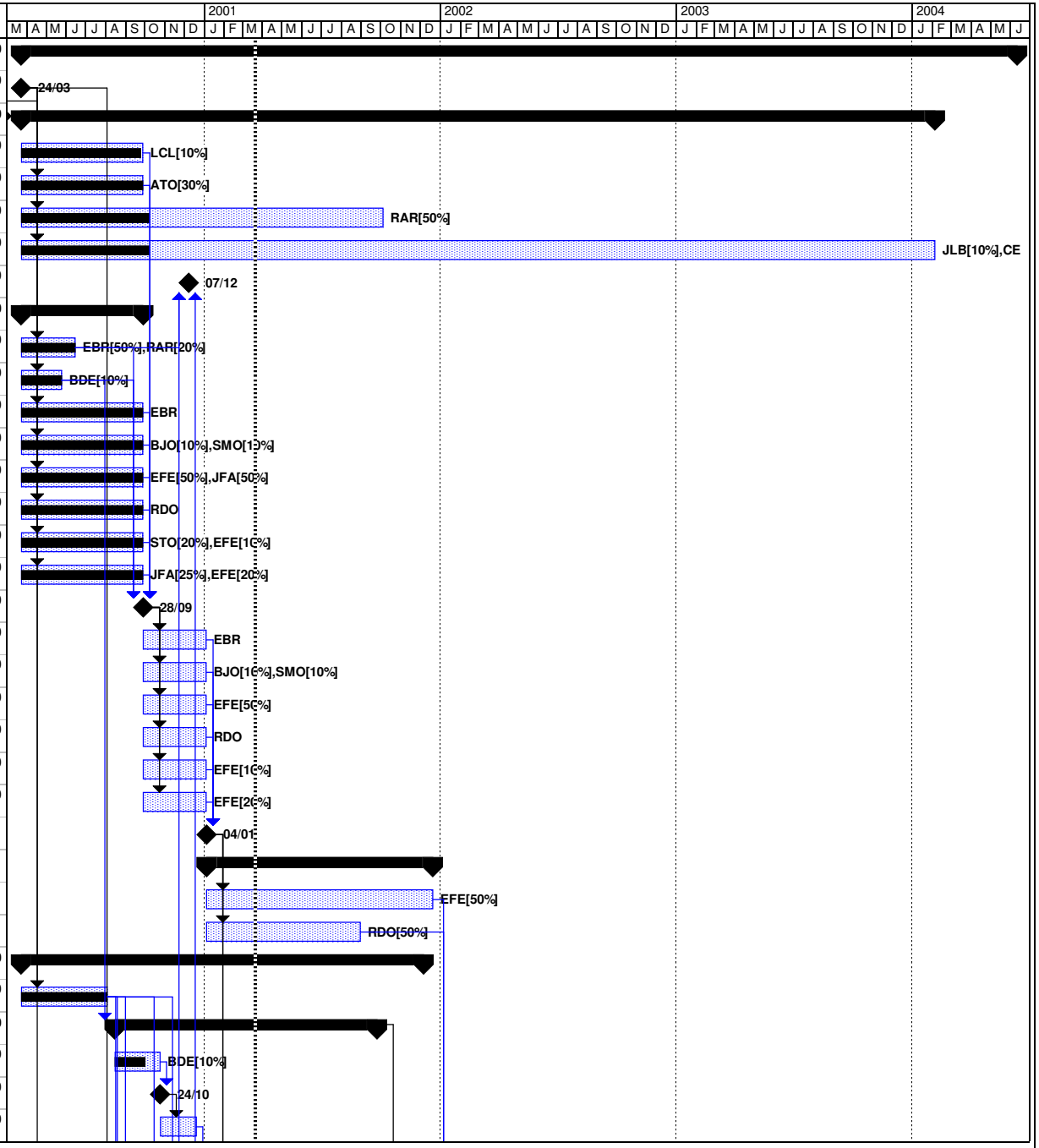
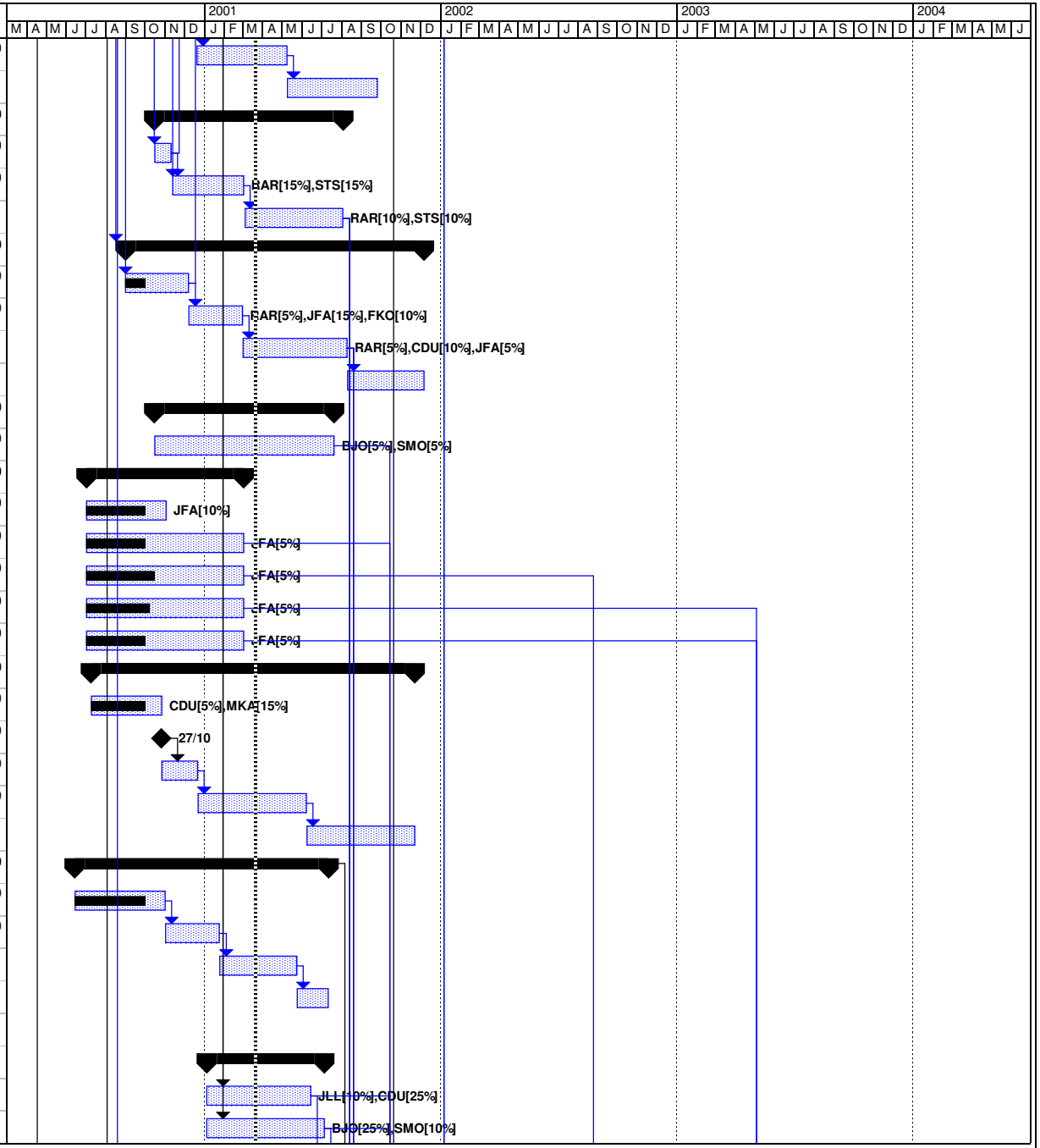
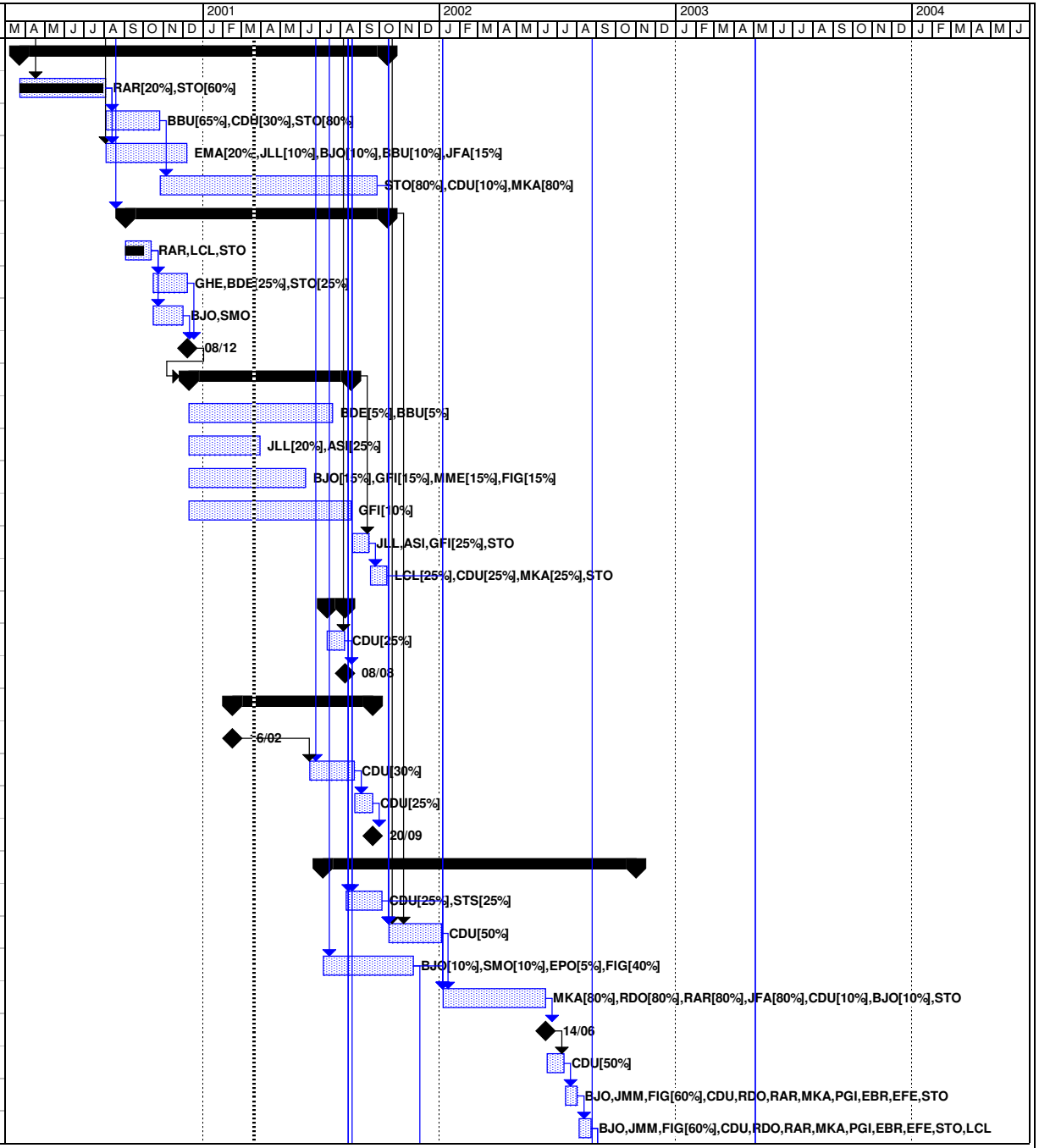
ID	Task Name	Duration	Start
1	**MACAO-VLTI (WP884)**	**1101 days**	**Fri 24/03/00**
2	**CDR**	0 days	Fri 24/03/00
3	**MANAGEMENT**	**1010 days**	**Fri 24/03/00**
4	WP1100 - Instrument Definition	27 wks	Fri 24/03/00
5	WP1300 - AO Theoretical Aspects	27 wks	Fri 24/03/00
6	WP1200 - System Engineering & I/F	80 wks	Fri 24/03/00
7	WP1400-1600 Control / RAMS / Docu	1010 days	Fri 24/03/00
8	**Preliminary Design Phase**	0 days	Thu 07/12/00
9	**Design Phase / Proc. Specs**	**135 days**	**Fri 24/03/00**
10	WP2110 - I/F Mechanical Design	12 wks	Fri 24/03/00
11	WP2210/1 - Optics Design	9 wks	Fri 24/03/00
12	WP2220/1 - Mechanics Design	27 wks	Fri 24/03/00
13	WP2310/1 - IC/RTC HW Design	27 wks	Fri 24/03/00
14	WP2320/1 - RTC SW Design	27 wks	Fri 24/03/00
15	WP2330/1 - OS/ICS Design	27 wks	Fri 24/03/00
16	WP2340 - Simulation Tools	27 wks	Fri 24/03/00
17	WP2350 - Modal & Loop Control	27 wks	Fri 24/03/00
18	**PDR**	0 days	Thu 28/09/00
19	WP2220/1 - Mechanics Final Design	14 wks	Fri 29/09/00
20	WP2310/1 - IC/RTC HW Final Design	14 wks	Fri 29/09/00
21	WP2320/1 - RTC SW Final Design	14 wks	Fri 29/09/00
22	WP2330/1 - OS/ICS Final Design	14 wks	Fri 29/09/00
23	WP2340 - Simulation Tools	14 wks	Fri 29/09/00
24	WP2350 - Modal & Loop Control	14 wks	Fri 29/09/00
25	**FDR**	0 days	Thu 04/01/01
26	**SW Development**	**250 days**	**Fri 05/01/01**
27	WP2320/2 - RTC SW Development	50 wks	Fri 05/01/01
28	WP2330/2 - OS/ICS Development	34 wks	Fri 05/01/01
29	**LONG-LEAD ITEMS PROCUREMENT**	**445 days**	**Fri 24/03/00**
30	Specs & Tender Procedures (SSP)	19 wks	Fri 24/03/00
31	**WP2210/2 - Optics Procurement**	**290 days**	**Wed 16/08/00**
32	WP2210/2 CFT	10 wks	Wed 16/08/00
33	WP2210/2 Contract signed	0 days	Tue 24/10/00
34	WP2210/2 WFS optics design document	8 wks	Wed 25/10/00



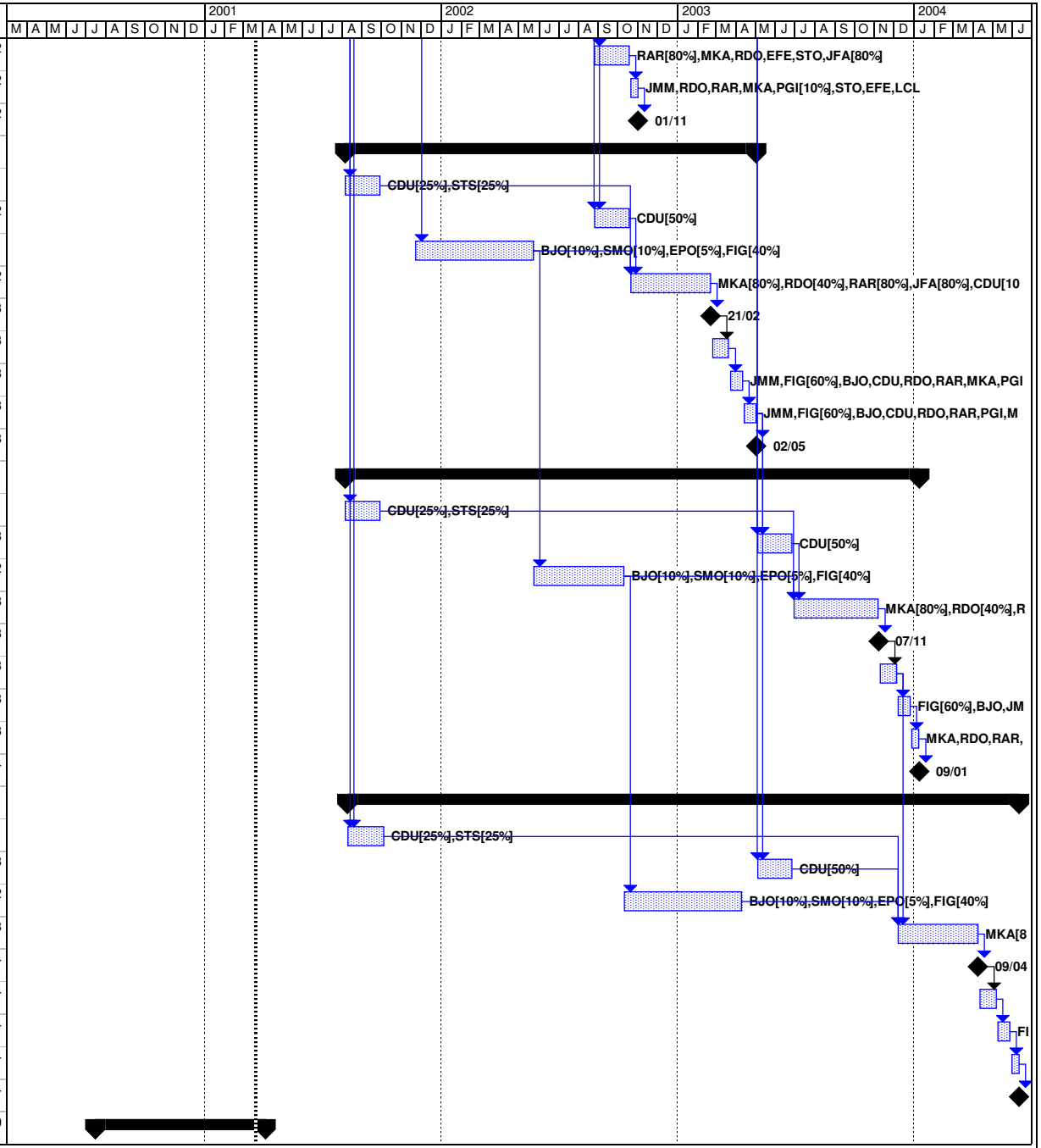
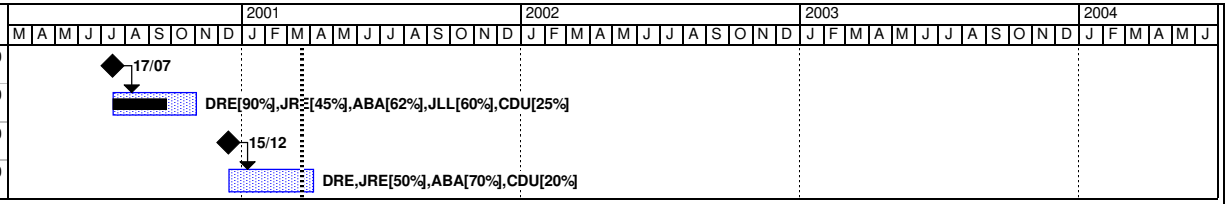
ID	Task Name	Duration	Start
35	WP2210/2 WFS Optics #1-2	20 wks	Wed 20/12/00
36	WP2210/2 WFS Optics #3-5	20 wks	Wed 09/05/01
37	**WP2120 - DM Procurement**	**210 days**	**Mon 16/10/00**
38	WP2120 - DM Design Document	4 wks	Mon 16/10/00
39	WP2120 - DM Prototype	16 wks	Mon 13/11/00
40	WP2120 - DM #1-4	22 wks	Mon 05/03/01
41	**WP2130 - DM TT Mount Proc.**	**330 days**	**Fri 01/09/00**
42	WP2130 - DM TT Design Document	14 wks	Fri 01/09/00
43	WP2130 - DM TT Prototype	12 wks	Fri 08/12/00
44	WP2130 - DM TT #1-2	23 wks	Fri 02/03/01
45	WP2130- DM TT #3-4	17 wks	Fri 10/08/01
46	**WP2140 - DM HVA Proc.**	**200 days**	**Mon 16/10/00**
47	WP2140 - HVA #1-4	40 wks	Mon 16/10/00
48	**WP2230 - APD Proc. & Tests**	**175 days**	**Mon 03/07/00**
49	WP2230 - APD (60) #0	18 wks	Mon 03/07/00
50	WP2230 - APD (60) #1	35 wks	Mon 03/07/00
51	WP2230 - APD (60) #2	35 wks	Mon 03/07/00
52	WP2230 - APD (60) #3	35 wks	Mon 03/07/00
53	WP2230 - APD (60) #4	35 wks	Mon 03/07/00
54	**WP2240 - Lenslet & Fibers Proc.**	**359 days**	**Mon 10/07/00**
55	WP2240 - Lenslet Array+ fibers CFT	16 wks	Mon 10/07/00
56	WP2240 - Contract signed	0 wks	Fri 27/10/00
57	WP2240 - Lenslet Array design	8 wks	Fri 27/10/00
58	WP2240 - Lenslet Array #1-2	24 wks	Fri 22/12/00
59	WP2240 - Lenslet Array #3-5	24 wks	Fri 08/06/01
60	**WP2250 - XY Table Procurement**	**280 days**	**Thu 15/06/00**
61	WP2250 - XY Table CFT	20 wks	Thu 15/06/00
62	WP2250 - XY Table final design	12 wks	Thu 02/11/00
63	WP2250 - XY Table #1-2	17 wks	Thu 25/01/01
64	WP2250 - XY Table #3-4	7 wks	Thu 24/05/01
65			
66	**STANDARD PROCUREMENTS**	**130 days**	**Fri 05/01/01**
67	WP2220/2 - Mechanics Procurement	23 wks	Fri 05/01/01
68	WP2310/2 - IC/RTC HW Procurement	26 wks	Fri 05/01/01



ID	Task Name	Duration	Start
69	**Lab-Bench & Prototyping**	**406 days**	**Fri 24/03/00**
70	WP3100 - Lab-bench Test Plan	19 wks	Fri 24/03/00
71	WP3100 - Lab-bench Setup	12 wks	Fri 04/08/00
72	WP3200 - Turbulence Simulator	18 wks	Fri 04/08/00
73	WP3400 - Lab-bench Test (Europe)	48 wks	Fri 27/10/00
74	**WP3300 - Test IR Camera**	**290 days**	**Mon 04/09/00**
75	WP3310 - Specifications	6 wks	Mon 04/09/00
76	WP3320 - Opto-mechanical Design	8 wks	Mon 16/10/00
77	WP3330 - Electronics Design	7 wks	Mon 16/10/00
78	IR Test Camera Design Review	0 days	Fri 08/12/00
79	**WP3340 - Procurement**	**180 days**	**Mon 11/12/00**
80	WP3341 - Optics	32 wks	Mon 11/12/00
81	WP3342 - Mechanics / Cryo	16 wks	Mon 11/12/00
82	WP3343 - IC (IRACE)	26 wks	Mon 11/12/00
83	WP3343 - Detector (HAWAII)	36 wks	Mon 11/12/00
84	WP3350 - AIT	4 wks	Mon 20/08/01
85	WP3360 - Qualification	4 wks	Mon 17/09/01
86	**XY Tables for Coude (inc. LCUs)**	**20 days**	**Thu 12/07/01**
87	WP9000 - Packing & Shipping	4 wks	Thu 12/07/01
88	Delivery @ Paranal	0 days	Wed 08/08/01
89	**Tip-Tilt Boxes**	**155 days**	**Fri 16/02/01**
90	**STRAP & TCCD Delivery**	0 days	Fri 16/02/01
91	WP2270 - WFS AIT	10 wks	Fri 15/06/01
92	WP9000 - Packing & Shipping	4 wks	Fri 24/08/01
93	Delivery @ Paranal	0 days	Thu 20/09/01
94	**MACAO-VLTI Unit#1**	**346 days**	**Fri 06/07/01**
95	WP2140 - Corrective Optics AIT	8 wks	Fri 10/08/01
96	WP2270 - WFS AIT	12 wks	Mon 15/10/01
97	WP2360 - IC/RTC AIT	20 wks	Fri 06/07/01
98	WP3400 - System Tests (Europe)	23 wks	Mon 07/01/02
99	**Unit #1 TAE**	0 days	Fri 14/06/02
100	WP9000 - Packing & Shipping	4 wks	Mon 17/06/02
101	WP9100 - Installation	3 wks	Mon 15/07/02
102	WP9200 - Commissioning #1	3 wks	Mon 05/08/02



ID	Task Name	Duration	Start
103	WP9200 - Performance Analysis	8 wks	Mon 26/08/02
104	WP9200 - Commissioning #2	2 wks	Mon 21/10/02
105	**Unit #1 Release to Observatory (FAC)**	0 days	Fri 01/11/02
106	**MACAO-VLTI Unit#2**	**455 days**	**Mon 06/08/01**
107	WP2140 - Corrective Optics AIT	8 wks	Mon 06/08/01
108	WP2270 - WFS AIT	8 wks	Mon 26/08/02
109	WP2360 - IC/RTC AIT	26 wks	Fri 23/11/01
110	WP3400 - System Tests (Europe)	18 wks	Mon 21/10/02
111	**Unit #2 TAE**	0 days	Fri 21/02/03
112	WP9000 - Packing & Shipping	4 wks	Mon 24/02/03
113	WP9100 - Installation	3 wks	Mon 24/03/03
114	WP9200 - Commissioning	3 wks	Mon 14/04/03
115	**Unit #2 Release to Observatory (FAC)**	0 days	Fri 02/05/03
116	**MACAO-VLTI Unit#3**	**635 days**	**Mon 06/08/01**
117	WP2140 - Corrective Optics AIT	8 wks	Mon 06/08/01
118	WP2270 - WFS AIT	8 wks	Mon 05/05/03
119	WP2360 - IC/RTC AIT	20 wks	Fri 24/05/02
120	WP3400 - System Tests (Europe)	19 wks	Mon 30/06/03
121	**Unit #3 TAE**	0 days	Fri 07/11/03
122	WP9000 - Packing & Shipping	4 wks	Mon 10/11/03
123	WP9100 - Installation	3 wks	Mon 08/12/03
124	WP9200 - Commissioning	2 wks	Mon 29/12/03
125	**Unit #3 Release to Observatory (FAC)**	0 days	Fri 09/01/04
126	**MACAO-VLTI Unit#4**	**741 days**	**Fri 10/08/01**
127	WP2140 - Corrective Optics AIT	8 wks	Fri 10/08/01
128	WP2270 - WFS AIT	8 wks	Mon 05/05/03
129	WP2360 - IC/RTC AIT	26 wks	Fri 11/10/02
130	WP3400 - System Tests (Europe)	18 wks	Mon 08/12/03
131	**Unit #4 TAE**	0 days	Fri 09/04/04
132	WP9000 - Packing & Shipping	4 wks	Mon 12/04/04
133	WP9100 - Installation	3 wks	Mon 10/05/04
134	WP9200 - Commissioning	2 wks	Mon 31/05/04
135	**Unit #4 Release to Observatory (FAC)**	0 days	Fri 11/06/04
136	**WP2260 - CCD Develop. Back-up**	**189 days**	**Mon 17/07/00**



ID	Task Name	Duration	Start
137	Front Side CCD Chip Delivery	0 days	Mon 17/07/00
138	Front Side CCD Tests	16 wks	Mon 17/07/00
139	Back Side CCD Delivery	0 days	Fri 15/12/00
140	Back Side CCD Testing	16 wks	Fri 15/12/00