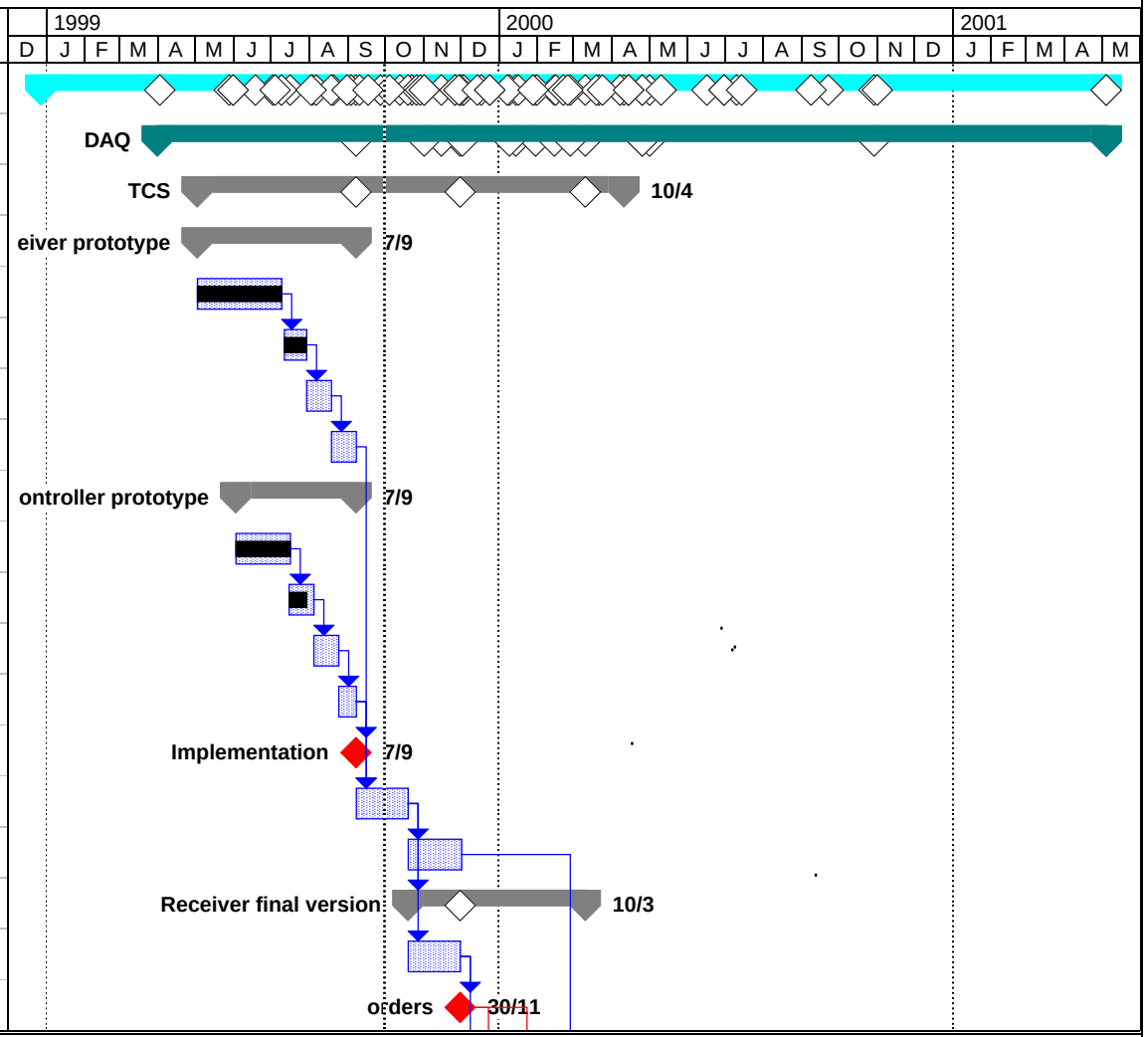
Compass Spectrometer / CERN

Thu 30/9/99

ID		Task Name	Duration	Start
1		compass	615 days	Mon 28/12/98
2		**DAQ**	**547 days**	**Thu 1/4/99**
1		TCS	246 days	Mon 3/5/99
2		Receiver prototype	92 days	Mon 3/5/99
3	✓	development	50 days	Mon 3/5/99
4	✓	layout	14 days	Mon 12/7/99
5		PCB production	14 days	Fri 30/7/99
6		assembly and debugging	14 days	Thu 19/8/99
7		Controller prototype	69 days	Thu 3/6/99
8	✓	development	32 days	Thu 3/6/99
9		layout	14 days	Fri 16/7/99
10		PCB production	14 days	Thu 5/8/99
11		assembly and debugging	10 days	Wed 25/8/99
12		Implementation	0 days	Tue 7/9/99
13		System test	30 days	Wed 8/9/99
14		Controler firmware update	31 days	Wed 20/10/99
15		Receiver final version	103 days	Wed 20/10/99
16		design	30 days	Wed 20/10/99
17		orders	0 days	Tue 30/11/99



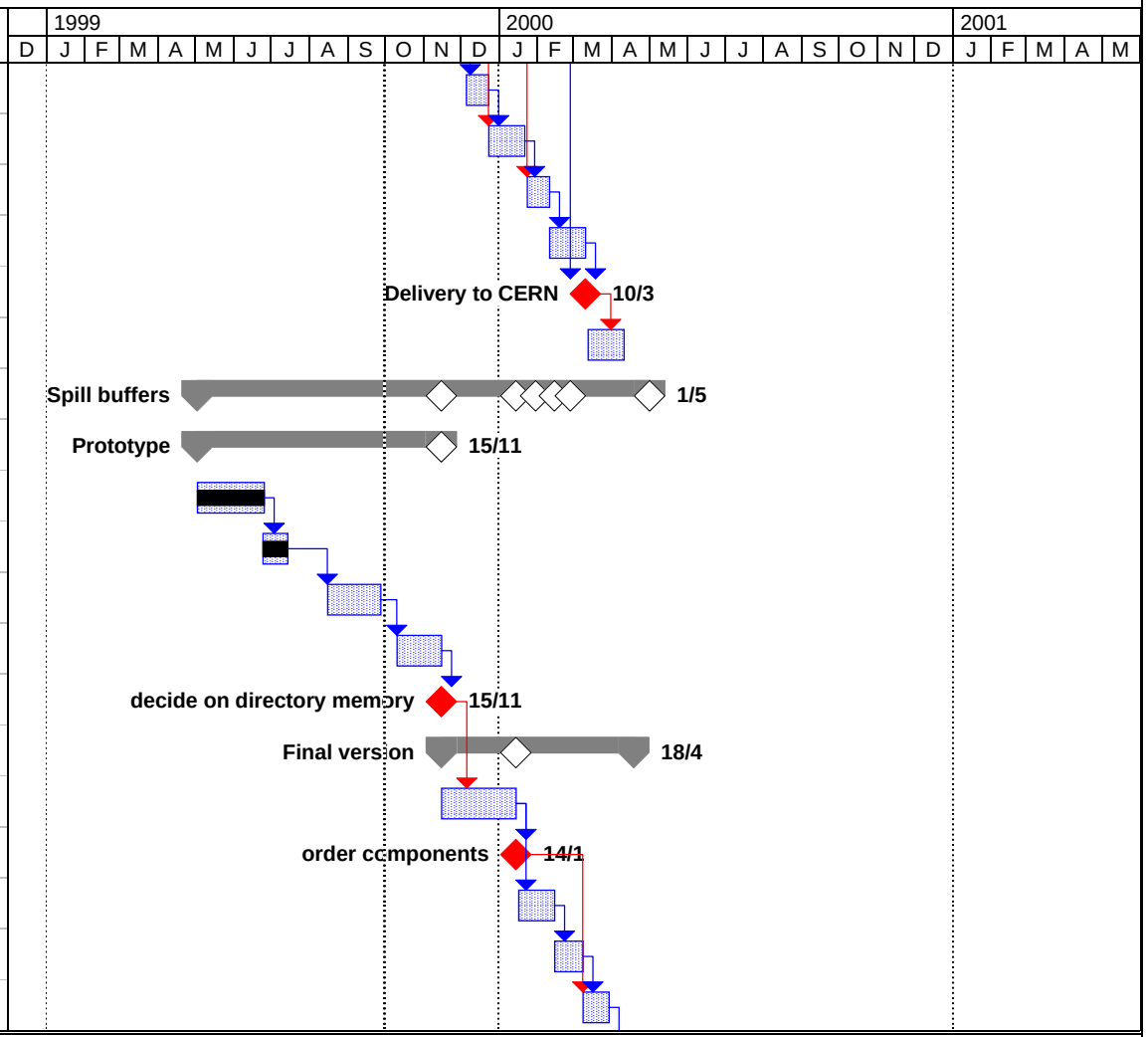
Project: Compass Spectrometer
Date: Mon 2/8/99
Co-ordinator: Gerhard Mallot /CERN

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

Compass Spectrometer / CERN

Thu 30/9/99

ID		Task Name	Duration	Start
18		layout	14 days	Mon 6/12/99
19		PCB production	21 days	Fri 24/12/99
20		assembly	14 days	Mon 24/1/00
21		test cards	21 days	Fri 11/2/00
22		Delivery to CERN	0 days	Fri 10/3/00
23		System installation	21 days	Mon 13/3/00
24		Spill buffers	261 days	Mon 3/5/99
25		Prototype	141 days	Mon 3/5/99
26	✓	finish design	40 days	Mon 3/5/99
27	✓	production	14 days	Fri 25/6/99
28		implementation	31 days	Mon 16/8/99
29		rate tests	26 days	Mon 11/10/99
30		decide on directory mem	0 days	Mon 15/11/99
31		Final version	111 days	Tue 16/11/99
32		redesign	44 days	Tue 16/11/99
33		order components	0 days	Fri 14/1/00
34		layout	21 days	Mon 17/1/00
35		PCB production	17 days	Tue 15/2/00
36		assembly	15 days	Thu 9/3/00



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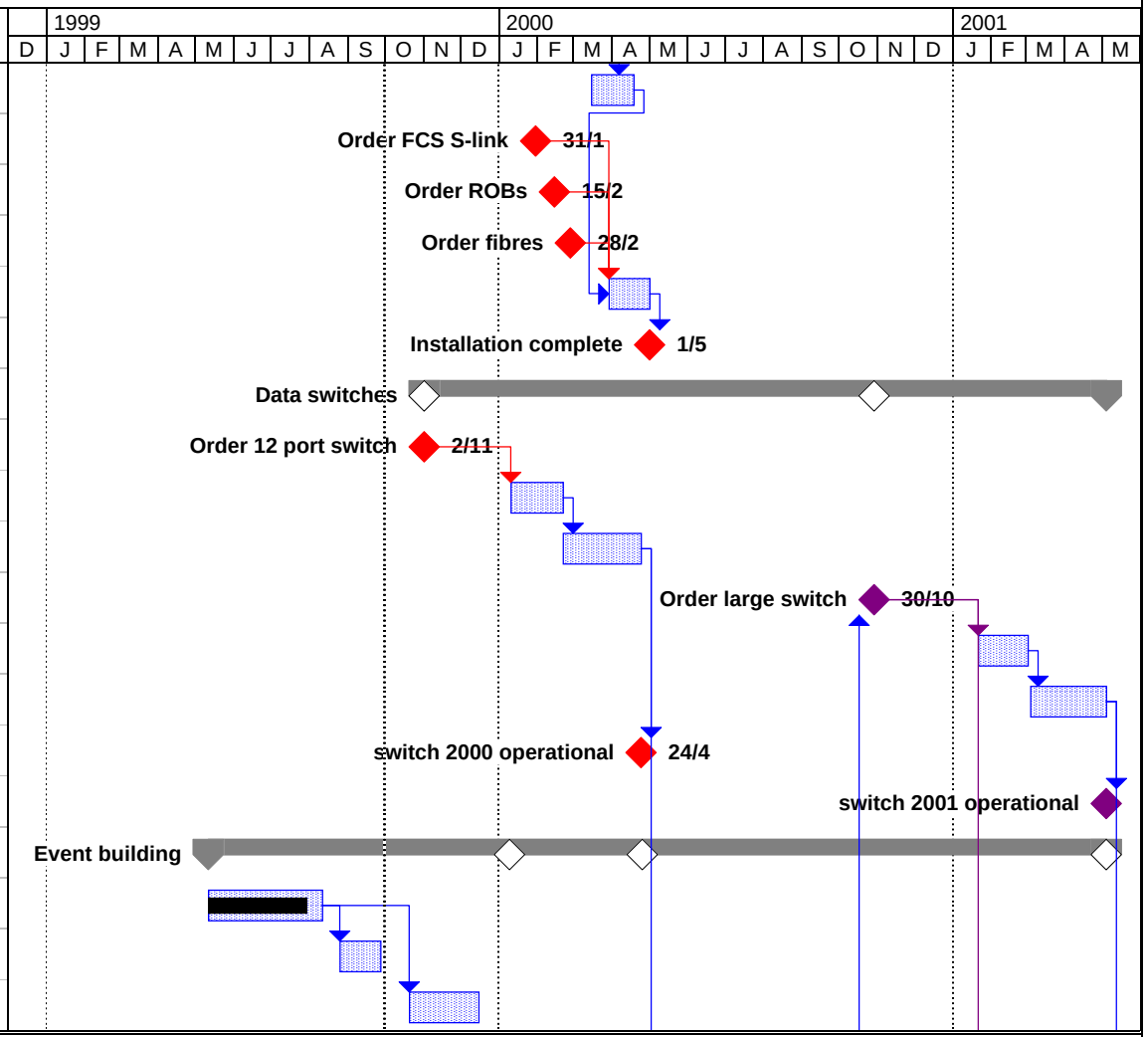
Compass Spectrometer / CERN

Thu 30/9/99

ID	Task Name	Duration	Start
37	board tests	24 days	Thu 16/3/00
38	Order FCS S-link	0 days	Mon 31/1/00
39	Order ROBs	0 days	Tue 15/2/00
40	Order fibres	0 days	Mon 28/2/00
41	Installation	23 days	Thu 30/3/00
42	Installation complete	0 days	Mon 1/5/00
43	Data switches	394 days	Tue 2/11/99
44	Order 12 port switch	0 days	Tue 2/11/99
45	Installation	30 days	Tue 11/1/00
46	Tests	45 days	Tue 22/2/00
47	Order large switch	0 days	Mon 30/10/00
48	Installation	30 days	Mon 22/1/01
49	Tests	45 days	Mon 5/3/01
50	switch 2000 operational	0 days	Mon 24/4/00
51	switch 2001 operational	0 days	Fri 4/5/01
52	Event building	518 days	Wed 12/5/99
53	DATE V3.4	66 days	Wed 12/5/99
54	Burst eventbuilding	23 days	Thu 26/8/99
55	Test multi GDC	40 days	Thu 21/10/99



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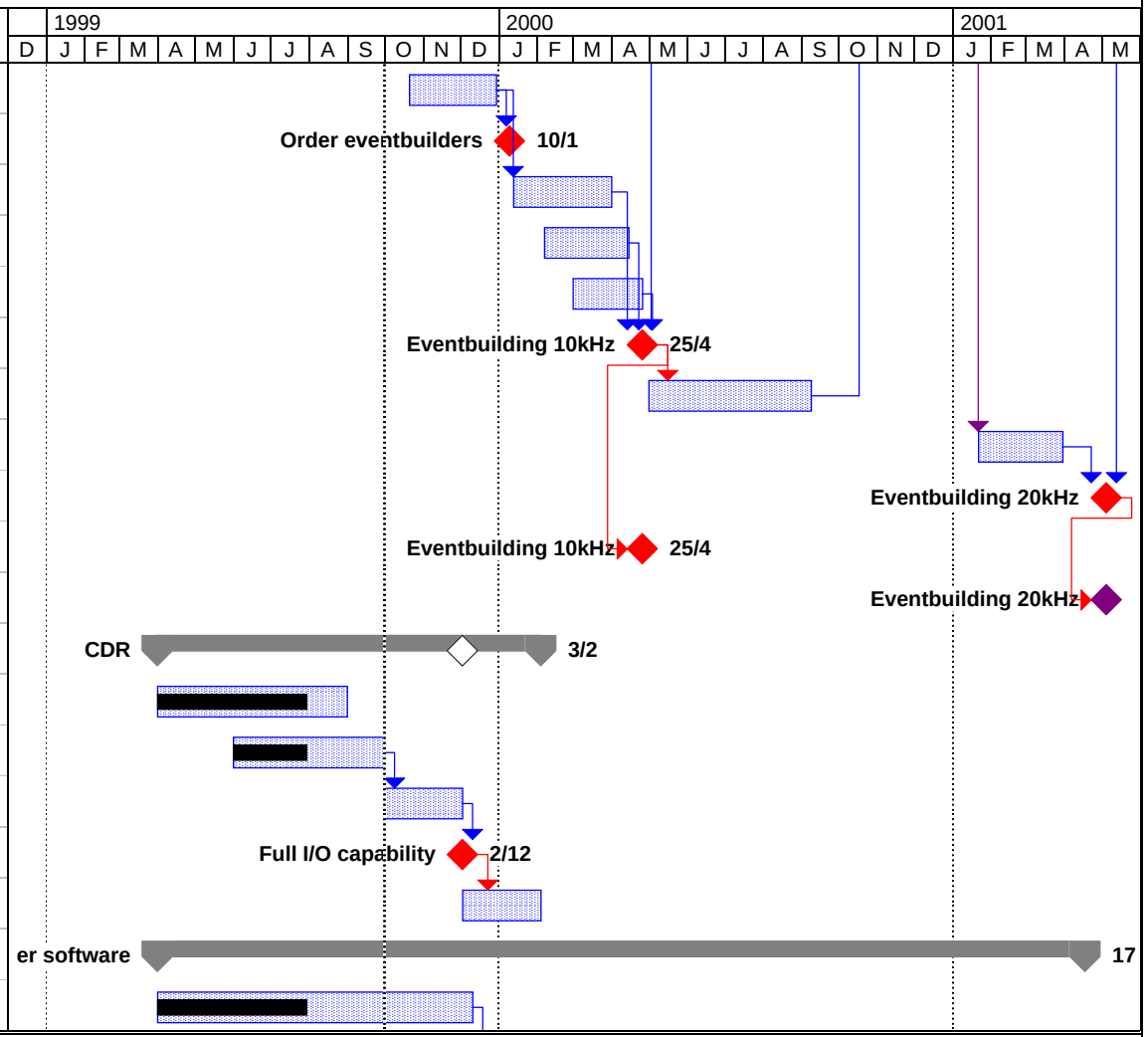
Compass Spectrometer / CERN

Thu 30/9/99

ID	Task Name	Duration	Start
56	Test platforms	50 days	Thu 21/10/99
57	Order eventbuilders	0 days	Mon 10/1/00
58	Finalize eventbuilder	57 days	Thu 13/1/00
59	CATCH LDCs	50 days	Mon 7/2/00
60	Adapt run control	40 days	Wed 1/3/00
61	Eventbuilding 10kHz	0 days	Tue 25/4/00
62	Running & rate tests	95 days	Mon 1/5/00
63	Adapt eventbuilding	50 days	Mon 22/1/01
64	Eventbuilding 20kHz	0 days	Fri 4/5/01
65	Eventbuilding 10kHz	0 days	Tue 25/4/00
66	Eventbuilding 20kHz	0 days	Fri 4/5/01
67	CDR	221 days	Thu 1/4/99
68	version 1.0	109 days	Thu 1/4/99
69	objectivisation v1.2	88 days	Tue 1/6/99
70	version 1.3 (tools, timeouts,re	45 days	Fri 1/10/99
71	Full I/O capability	0 days	Thu 2/12/99
72	HSM traffic (v1.4)	45 days	Fri 3/12/99
73	Other software	534 days	Thu 1/4/99
74	monitoring i/f	182 days	Thu 1/4/99



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Split		Rolled Up Task		External Tasks	
Progress		Rolled Up Split		Project Summary	
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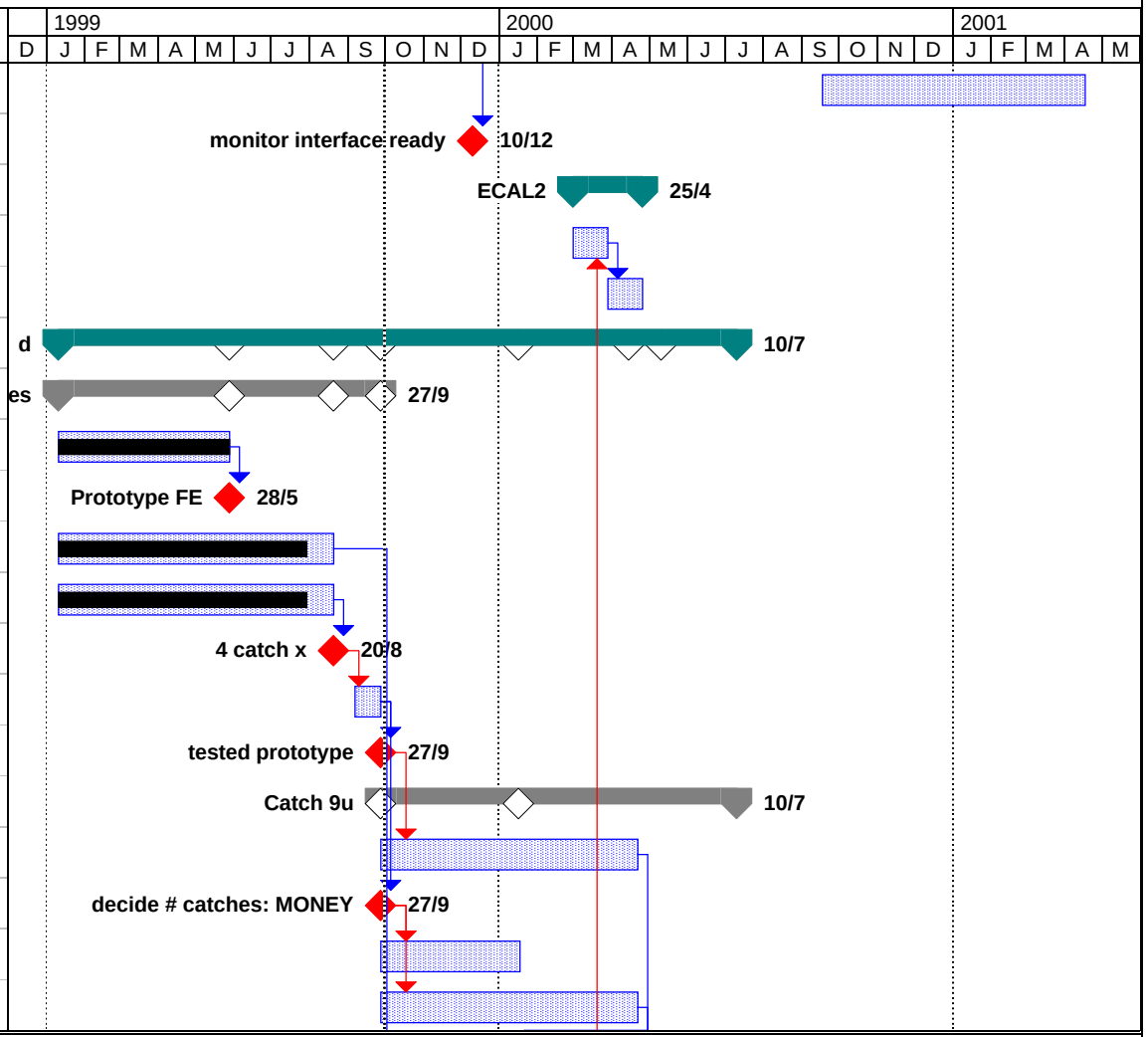
Compass Spectrometer / CERN

Thu 30/9/99

ID	Task Name	Duration	Start
75	filtering i/f	152 days	Mon 18/9/00
76	monitor interface ready	0 days	Fri 10/12/99
3	**ECAL2**	**40 days**	**Wed 1/3/00**
2	Assembly Gams 4000	4 wks	Wed 1/3/00
3	Assembly lead glas	4 wks	Wed 29/3/00
4	**Frontend**	**376 days**	**Mon 11/1/99**
1	Prototypes	186 days	Mon 11/1/99
2	Prototype FE straw	20 wks	Mon 11/1/99
3	Prototype FE	0 days	Fri 28/5/99
4	Prototype TDC	32 wks	Mon 11/1/99
5	Catch X	32 wks	Mon 11/1/99
6	4 catch x	0 days	Fri 20/8/99
7	test beam	3 wks	Tue 7/9/99
8	tested prototype	0 days	Mon 27/9/99
9	Catch 9u	190 days	Mon 27/9/99
10	design	134 days	Tue 28/9/99
11	decide # catches: MONEY	0 days	Mon 27/9/99
12	produce hotlinks	13 wks	Tue 28/9/99
13	chips 1	134 days	Tue 28/9/99



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Split		Rolled Up Task		External Tasks	
Progress		Rolled Up Split		Project Summary	
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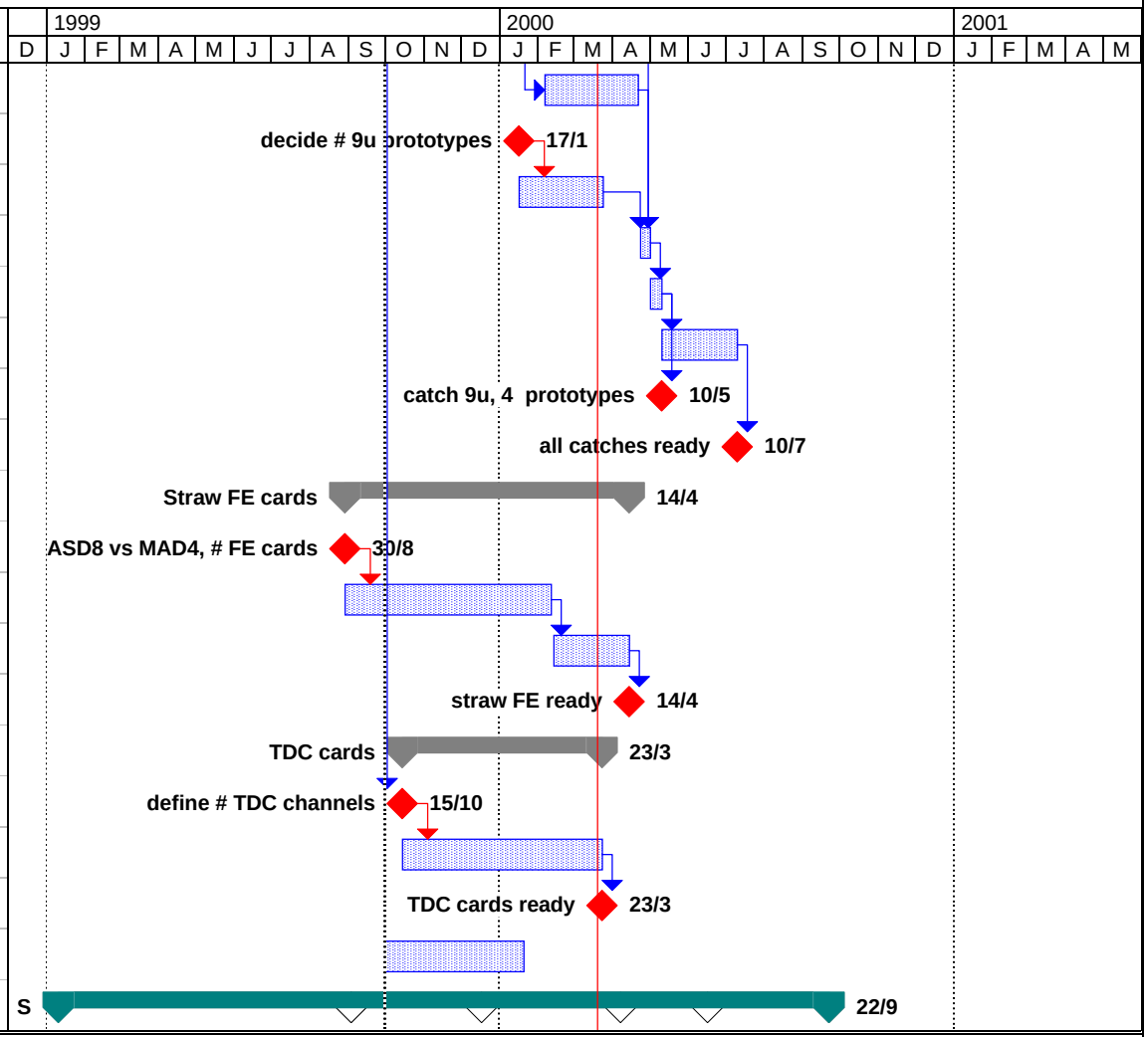
Compass Spectrometer / CERN

Thu 30/9/99

ID	Task Name	Duration	Start
14	chips 2	11 wks	Mon 7/2/00
15	decide # 9u prototypes	0 days	Mon 17/1/00
16	PC boards	10 wks	Mon 17/1/00
17	put elements	6 days	Mon 24/4/00
18	debugging	7 days	Tue 2/5/00
19	production	43 days	Thu 11/5/00
20	catch 9u, 4 prototypes	0 days	Wed 10/5/00
21	all catches ready	0 days	Mon 10/7/00
22	Straw FE cards	150 days	Mon 30/8/99
23	ASD8 vs MAD4, # FE cards	0 days	Mon 30/8/99
24	ASD8 / MAD 4 production	21 wks	Mon 30/8/99
25	FE board production	9 wks	Mon 14/2/00
26	straw FE ready	0 days	Fri 14/4/00
27	TDC cards	100 days	Fri 15/10/99
28	define # TDC channels	0 days	Fri 15/10/99
29	TDC cards	20 wks	Fri 15/10/99
30	TDC cards ready	0 days	Thu 23/3/00
31	other F1 chips	13 wks	Fri 1/10/99
5	GEMS	430 days	Mon 11/1/99



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Task		Summary		Rolled Up Progress	
Split		Rolled Up Task		External Tasks	
Progress		Rolled Up Split		Project Summary	
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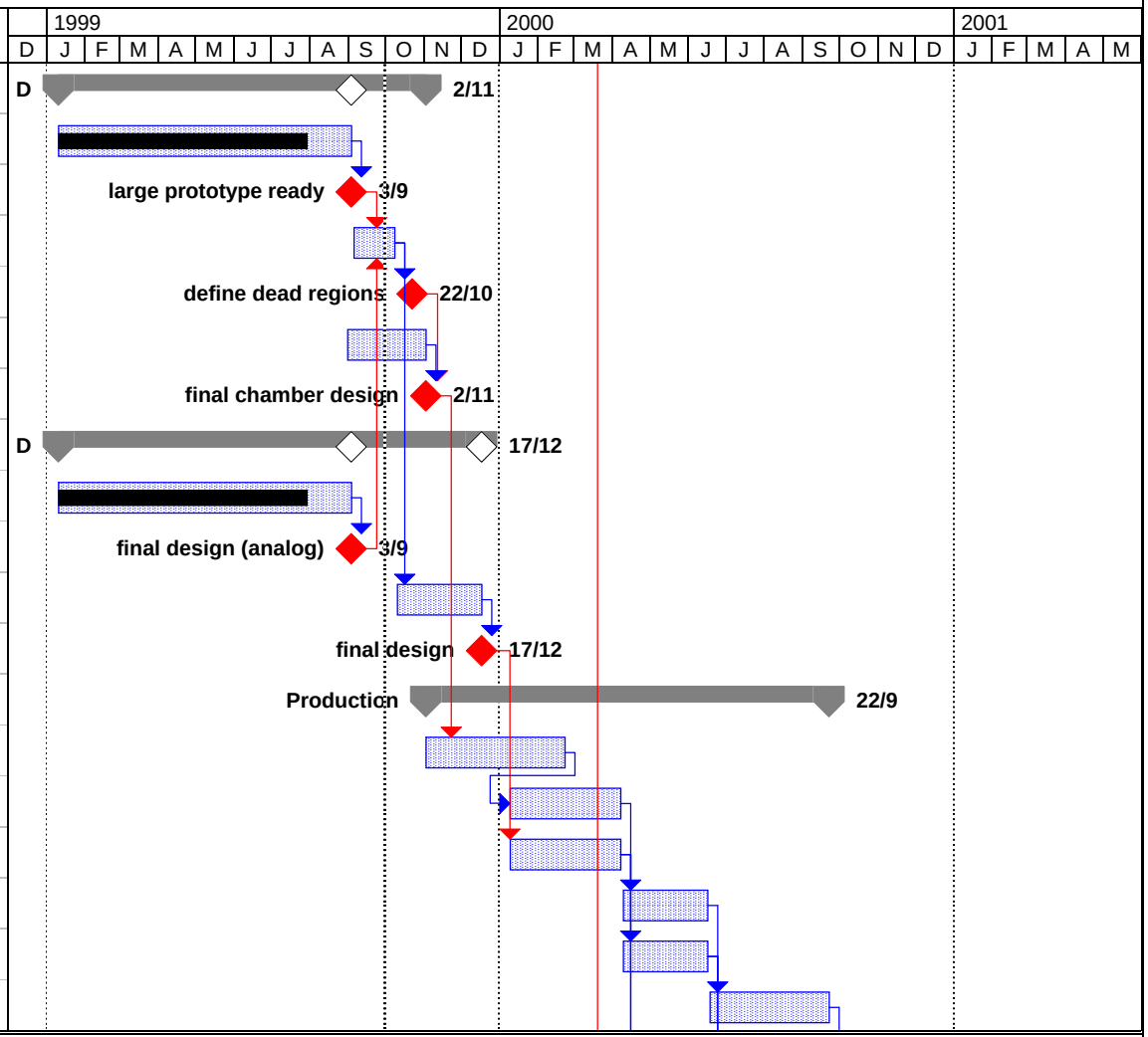
Compass Spectrometer / CERN

Thu 30/9/99

ID	Task Name	Duration	Start
1	Chamber R&D	212 days	Mon 11/1/99
2	prototypes	34 wks	Mon 11/1/99
3	large prototype ready	0 days	Fri 3/9/99
4	beam tests M2	5 wks	Mon 6/9/99
5	define dead regions	0 days	Fri 22/10/99
6	design services	9 wks	Wed 1/9/99
7	final chamber design	0 days	Tue 2/11/99
8	Electronics R&D	245 days	Mon 11/1/99
9	prototype	34 wks	Mon 11/1/99
10	final design (analog)	0 days	Fri 3/9/99
11	design (digital)	10 wks	Mon 11/10/99
12	final design	0 days	Fri 17/12/99
13	Production	218 days	Wed 3/11/99
14	produce Gems, order materia	13 wks	Wed 3/11/99
15	assembly of 2 stations	13 wks	Mon 10/1/00
16	electronics 2 stations	13 wks	Mon 10/1/00
17	assembly of 2 stations	10 wks	Mon 10/4/00
18	electronics 2 stations	10 wks	Mon 10/4/00
19	procution 6 stations	14 wks	Mon 19/6/00



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Split		Rolled Up Task		External Tasks	
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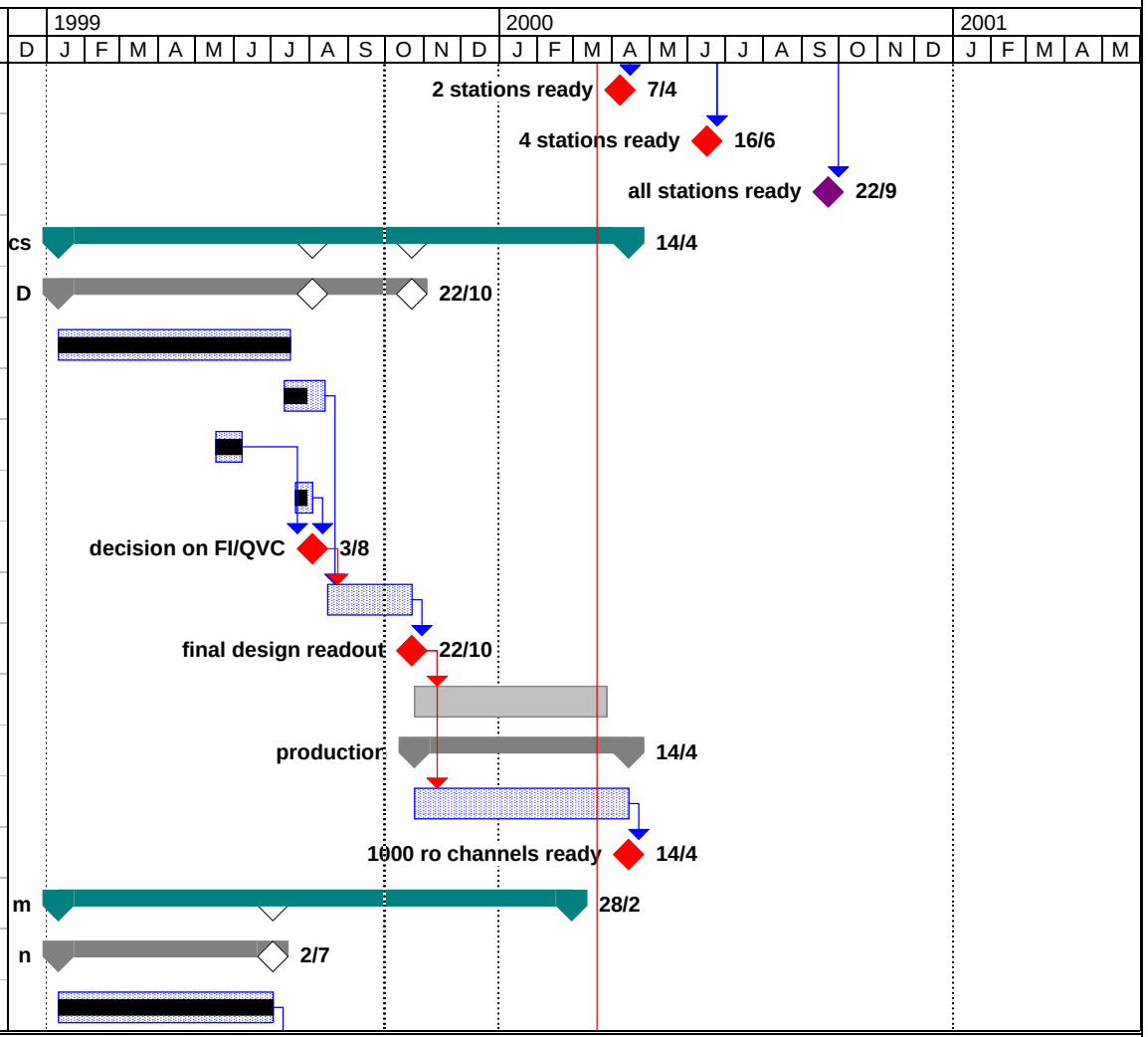
Compass Spectrometer / CERN

Thu 30/9/99

ID	Task Name	Duration	Start
20	2 stations ready	0 days	Fri 7/4/00
21	4 stations ready	0 days	Fri 16/6/00
22	all stations ready	0 days	Fri 22/9/00
6	**HECAL electronics**	**330 days**	**Mon 11/1/99**
1	R & D	205 days	Mon 11/1/99
2	prototypes	27 wks	Mon 11/1/99
3	design ADC	5 wks	Mon 12/7/99
4	test of FI	3 wks	Tue 18/5/99
5	test of QVC	2 wks	Wed 21/7/99
6	decision on FI/QVC	0 days	Tue 3/8/99
7	Read-out prototype	10 wks	Mon 16/8/99
8	final design readout	0 days	Fri 22/10/99
9	production	20 wks	Mon 25/10/99
10	production	125 days	Mon 25/10/99
11	Production of 1000 ch	25 wks	Mon 25/10/99
12	1000 ro channels ready	0 days	Fri 14/4/00
7	**HECAL1 platform**	**285 days**	**Mon 11/1/99**
1	Design	125 days	Mon 11/1/99
2	Design	25 wks	Mon 11/1/99



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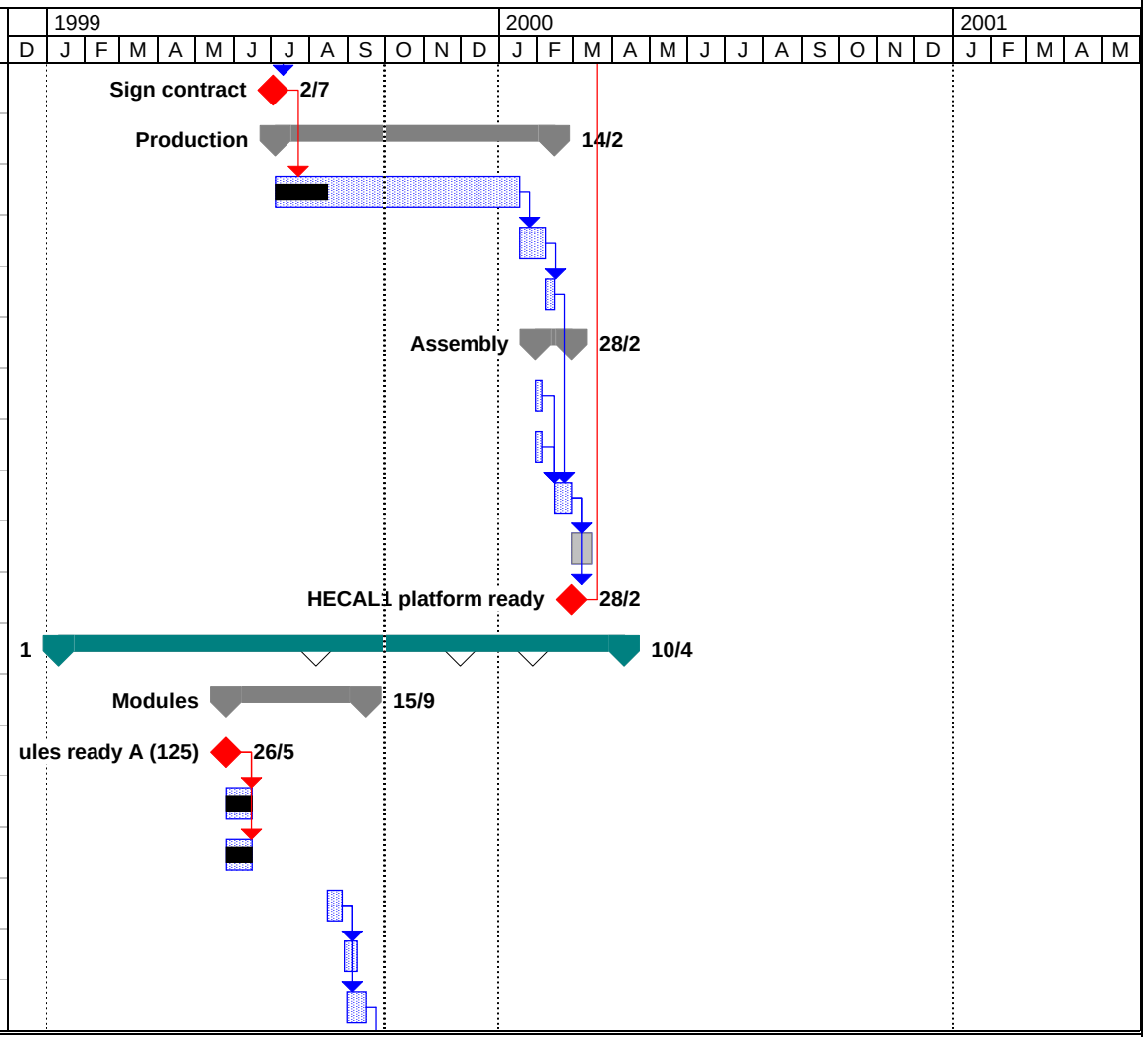
Task		Summary		Rolled Up Progress	
Split		Rolled Up Task		External Tasks	
Progress		Rolled Up Split		Project Summary	
Milestone		Rolled Up Milestone			

Compass Spectrometer / CERN

Thu 30/9/99

ID	Task Name	Duration	Start
3	Sign contract	0 days	Fri 2/7/99
4	Production	150 days	Mon 5/7/99
5	production	26 wks	Mon 5/7/99
6	pre assembly	3 wks	Tue 18/1/00
7	delivery	1 wk	Tue 8/2/00
8	Assembly	21 days	Mon 31/1/00
9	monorail	1 wk	Mon 31/1/00
10	place rails	1 wk	Mon 31/1/00
11	assembly	2 wks	Tue 15/2/00
12	chariot and frame	12 days	Tue 29/2/00
13	HECAL1 platform ready	0 days	Mon 28/2/00
8	**HCAL1**	**315 days**	**Mon 11/1/99**
1	Modules	81 days	Wed 26/5/99
2	modules ready A (125)	0 days	Wed 26/5/99
3	refurbish B	15 days	Wed 26/5/99
4	calibrate B (150)	15 days	Wed 26/5/99
5	refurbish C (121)	2 wks	Mon 16/8/99
6	refurbish D (84)	8 days	Mon 30/8/99
7	calibrate C+D	11 days	Wed 1/9/99



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Split		Rolled Up Task		External Tasks	
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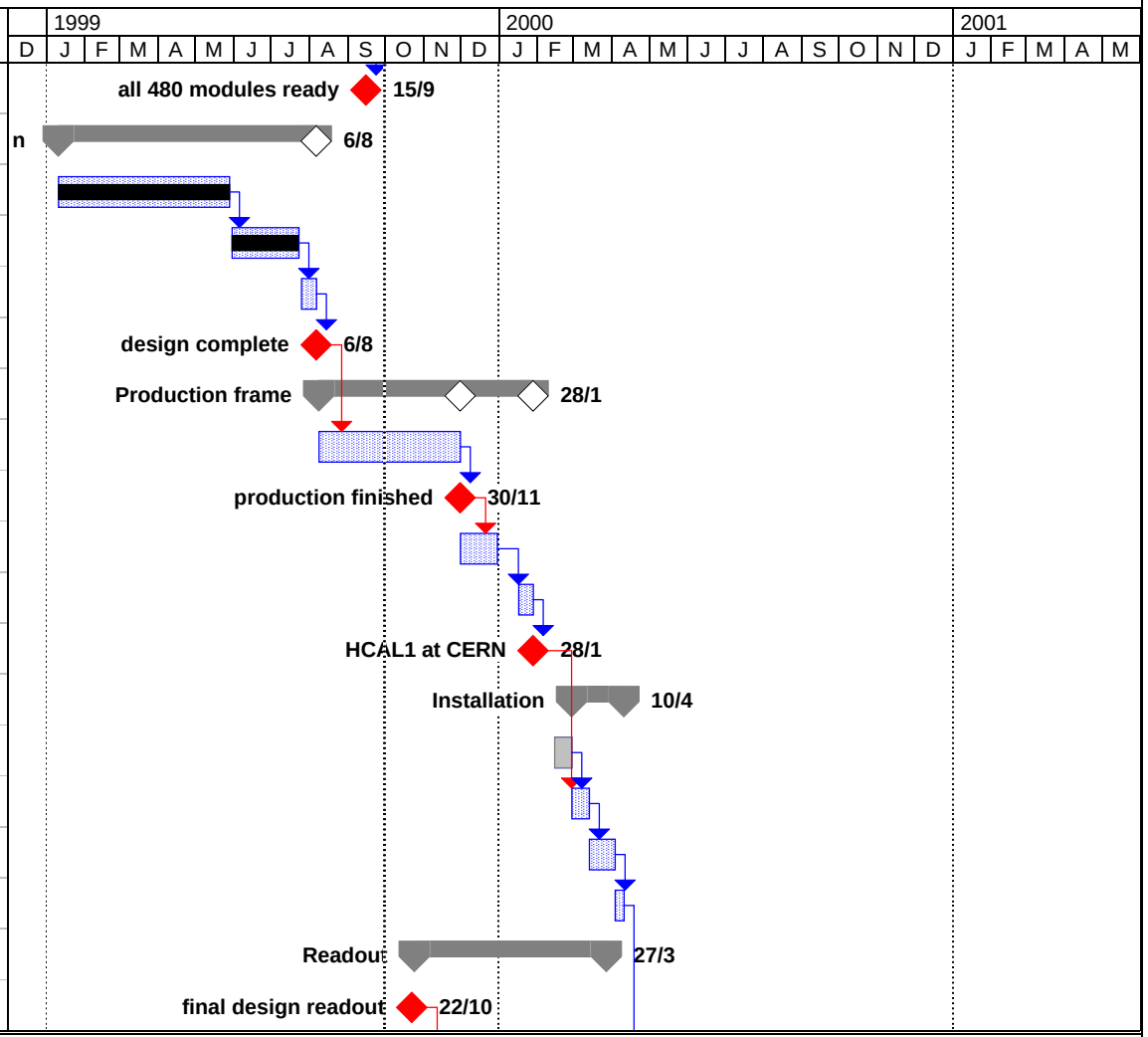
Compass Spectrometer / CERN

Thu 30/9/99

ID	Task Name	Duration	Start
8	all 480 modules ready	0 days	Wed 15/9/99
9	HCAL1 Design	150 days	Mon 11/1/99
10	design phase 1	20 wks	Mon 11/1/99
11	design phase 2	8 wks	Mon 31/5/99
12	approval of design	2 wks	Mon 26/7/99
13	design complete	0 days	Fri 6/8/99
14	Production frame	114 days	Mon 9/8/99
15	production	82 days	Mon 9/8/99
16	production finished	0 days	Tue 30/11/99
17	preassembly	22 days	Wed 1/12/99
18	transport to CERN	2 wks	Mon 17/1/00
19	HCAL1 at CERN	0 days	Fri 28/1/00
20	Installation	30 days	Tue 29/2/00
21	assembly	2 wks	Tue 15/2/00
22	chariot and frame	2 wks	Tue 29/2/00
23	modules	3 wks	Tue 14/3/00
24	cables	1 wk	Tue 4/4/00
25	Readout	100 days	Mon 25/10/99
26	final design readout	0 days	Fri 22/10/99



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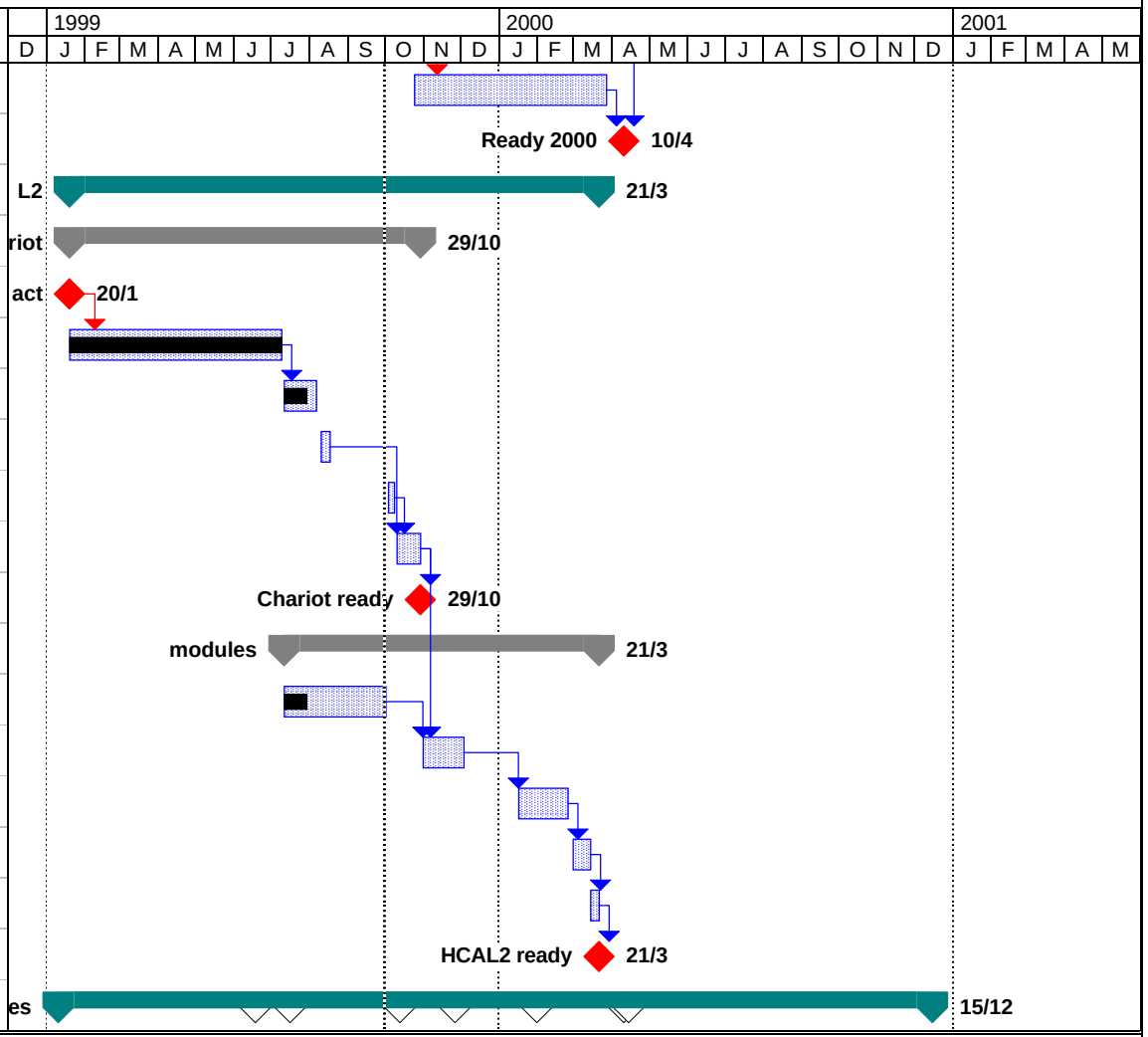
Compass Spectrometer / CERN

Thu 30/9/99

ID	Task Name	Duration	Start
27	production	20 wks	Mon 25/10/99
28	Ready 2000	0 days	Mon 10/4/00
9	**HCAL2**	**294 days**	**Wed 20/1/99**
1	Chariot	203 days	Wed 20/1/99
2	sign contract	0 days	Wed 20/1/99
3	Production	24.6 wks	Wed 20/1/99
4	pre assembly	4 wks	Mon 12/7/99
5	Place rails	1 wk	Wed 11/8/99
6	Transport platform	1 wk	Mon 4/10/99
7	Assemble at CERN	3 wks	Mon 11/10/99
8	Chariot ready	0 days	Fri 29/10/99
9	modules	171 days	Mon 12/7/99
10	scintillator production	12 wks	Mon 12/7/99
11	refurbish modules at CERN	5 wks	Mon 1/11/99
12	refurbish modules at CERN	6 wks	Mon 17/1/00
13	pack modules	2 wks	Wed 1/3/00
14	cabling	1 wk	Wed 15/3/00
15	HCAL2 ready	0 days	Tue 21/3/00
10	**Hodoscopes**	**505 days**	**Mon 11/1/99**



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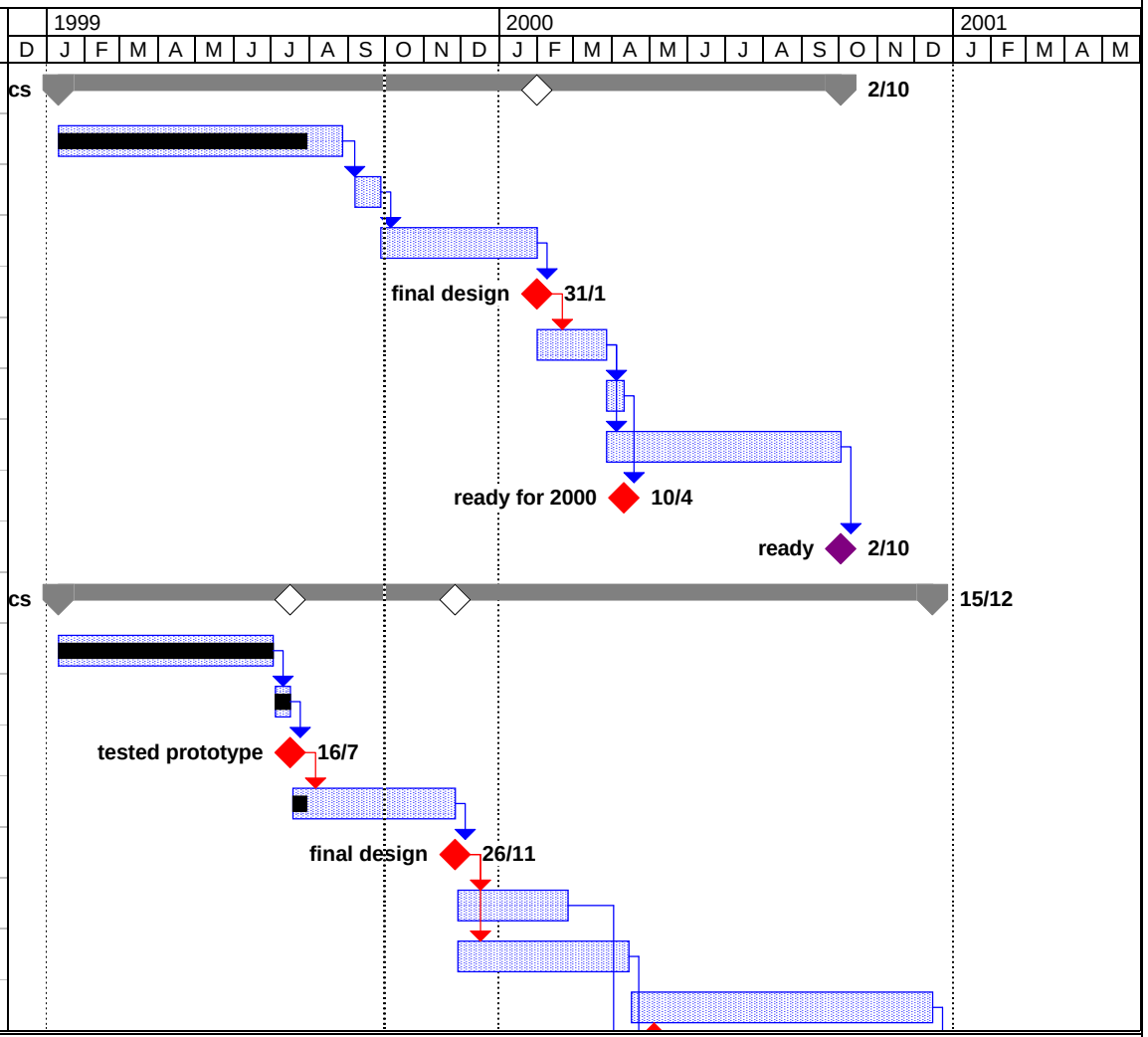
Thu 30/9/99

ID	Task Name	Duration	Start
1	trigger electronics	451 days	Mon 11/1/99
2	design phase 1	33 wks	Mon 11/1/99
3	beam test	3 wks	Tue 7/9/99
4	design phase 2	18 wks	Tue 28/9/99
5	final design	0 days	Mon 31/1/00
6	production 1	8 wks	Tue 1/2/00
7	installation	2 wks	Tue 28/3/00
8	production 2	27 wks	Tue 28/3/00
9	ready for 2000	0 days	Mon 10/4/00
10	ready	0 days	Mon 2/10/00
11	Summation electronics	505 days	Mon 11/1/99
12	Hcal Summation first design	25 wks	Mon 11/1/99
13	Beam test PS	2 wks	Mon 5/7/99
14	tested prototype	0 days	Fri 16/7/99
15	Final design stage	19 wks	Mon 19/7/99
16	final design	0 days	Fri 26/11/99
17	Construction	13 wks	Mon 29/11/99
18	discriminators 1	20 wks	Mon 29/11/99
19	all electronics installed	35 wks	Mon 17/4/00



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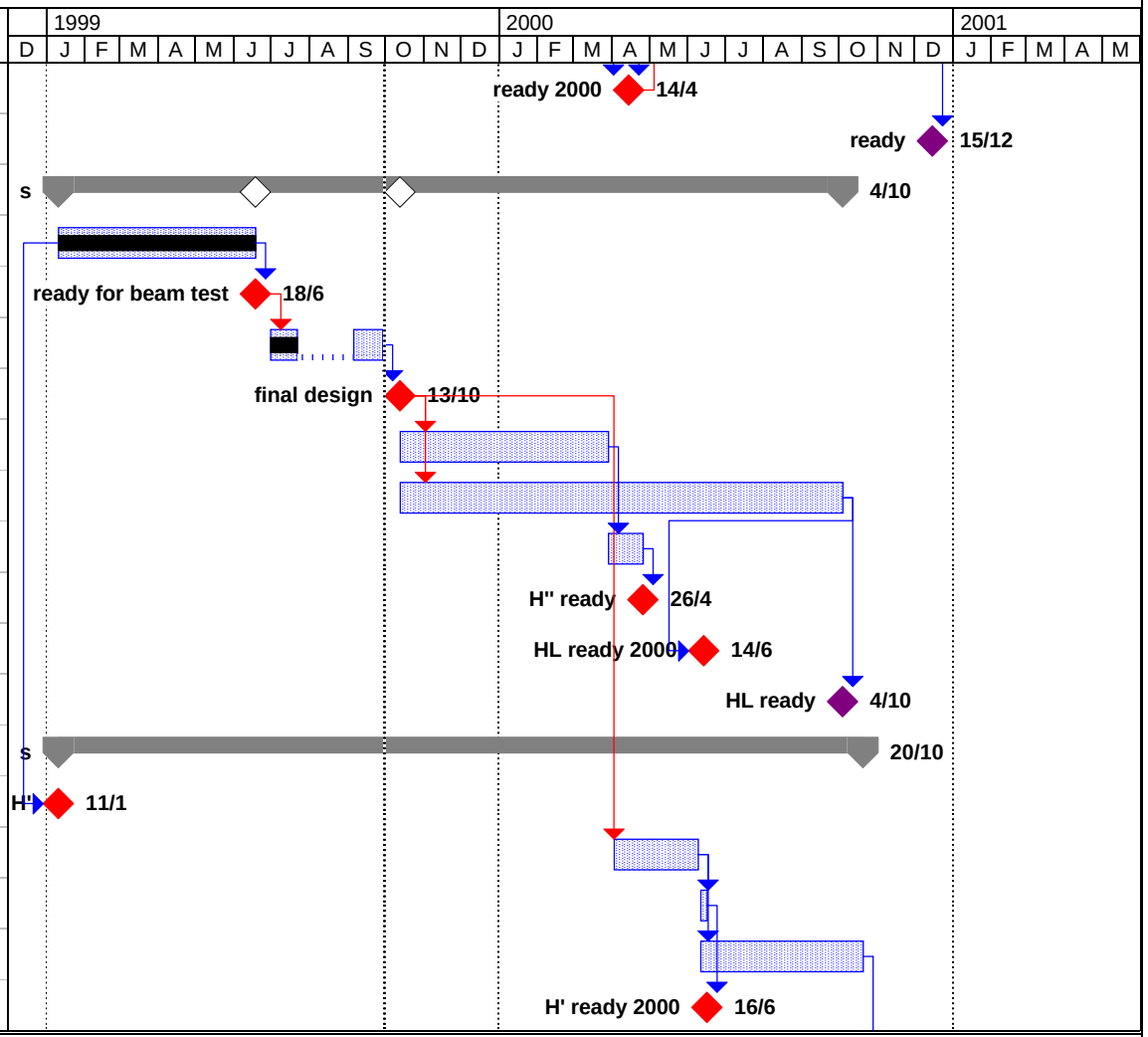
ID	Task Name	Duration	Start
20	ready 2000	0 days	Fri 14/4/00
21	ready	0 days	Fri 15/12/00
22	Double prime hodos	452.5 days	Mon 11/1/99
23	Prototype design & contructic	23 wks	Mon 11/1/99
24	ready for beam test	0 days	Fri 18/6/99
25	Beam tests	6.6 wks	Thu 1/7/99
26	final design	0 days	Wed 13/10/99
27	production H''	24 wks	Wed 13/10/99
28	production HL	51 wks	Wed 13/10/99
29	installation	4 wks	Wed 29/3/00
30	H'' ready	0 days	Wed 26/4/00
31	HL ready 2000	0 days	Wed 14/6/00
32	HL ready	0 days	Wed 4/10/00
33	prime hodos	465 days	Mon 11/1/99
34	start H'	0 days	Mon 11/1/99
35	production 1	10 wks	Mon 3/4/00
36	installation	1 wk	Mon 12/6/00
37	production 2	19 wks	Mon 12/6/00
38	H' ready 2000	0 days	Fri 16/6/00



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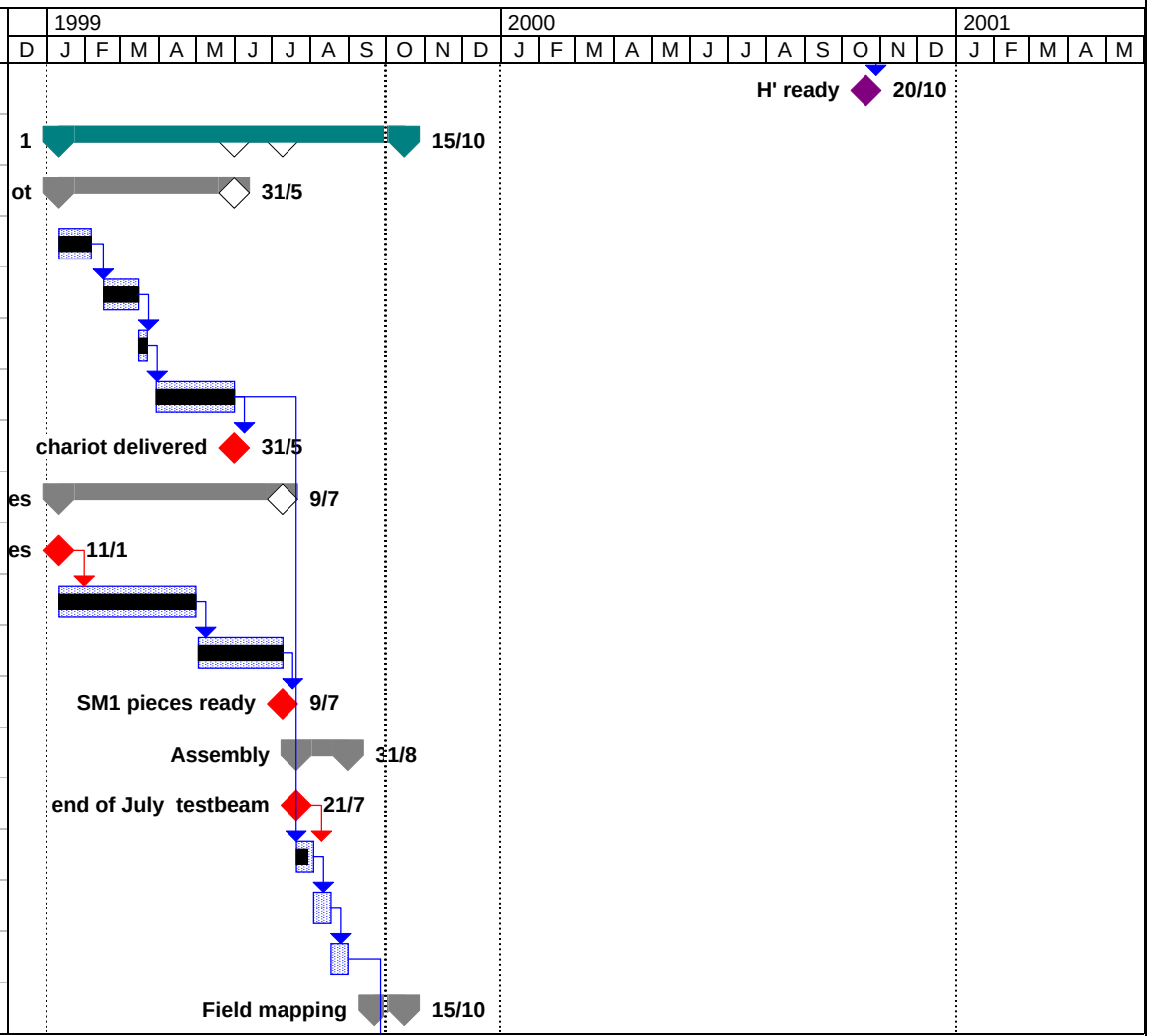
Thu 30/9/99

ID	Task Name	Duration	Start
39	H' ready	0 days	Fri 20/10/00
11	**Magnet SM1**	**200 days**	**Mon 11/1/99**
1	chariot	101 days	Mon 11/1/99
2	SM1 design	4 wks	Mon 11/1/99
3	SM1 tender	4 wks	Tue 16/2/99
4	SM1 order chariot	1 wk	Tue 16/3/99
5	SM1 chariot production	9 wks	Tue 30/3/99
6	chariot delivered	0 days	Mon 31/5/99
7	yoke and pole pieces	130 days	Mon 11/1/99
8	SM1 order pieces	0 days	Mon 11/1/99
9	SM1 production	16 wks	Mon 11/1/99
10	SM1 machining	50 days	Mon 3/5/99
11	SM1 pieces ready	0 days	Fri 9/7/99
12	Assembly	30 days	Wed 21/7/99
13	end of July testbeam	0 days	Wed 21/7/99
14	SM1 chariot assembly	2 wks	Wed 21/7/99
15	assembly	2 wks	Wed 4/8/99
16	tests	2 wks	Wed 18/8/99
17	Field mapping	18 days	Wed 22/9/99



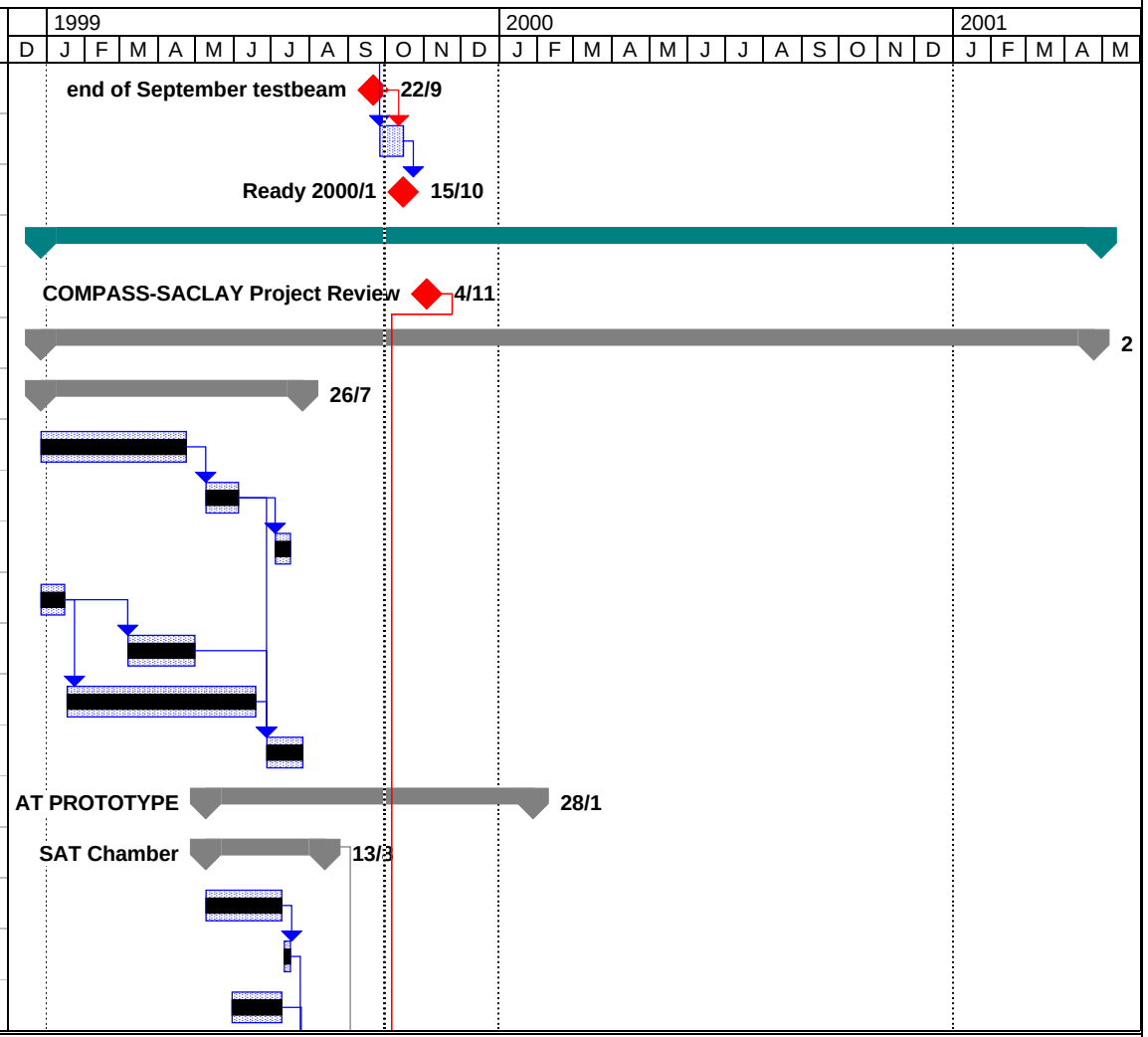
Project: Compass Spectrometer
Date: Mon 2/8/99
Co-ordinator: Gerhard Mallot /CERN

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

Compass Spectrometer / CERN

Thu 30/9/99

ID	Task Name	Duration	Start
18	end of September testbeam	0 days	Wed 22/9/99
19	measurements	3 wks	Mon 27/9/99
20	Ready 2000/1	0 days	Fri 15/10/99
12	**Micromegas & Drift**	**611 days**	**Mon 28/12/98**
1	COMPASS-SACLAY Project Revi	0 days	Thu 4/11/99
2	MICROMEGAS SMALL ANGLE T	607 days	Mon 28/12/98
3	LARGE SIZE PROTOTYPES	151 days	Mon 28/12/98
4	R&D Micromegas chaml	17 wks	Mon 28/12/98
5	LC3 chamber	4 wks	Mon 10/5/99
6	LC4 chamber	2 wks	Mon 5/7/99
7	FE board SFE16 v.10 (1	3 wks	Mon 28/12/98
8	FE board SFE16 v.11 (6	8 wks	Mon 8/3/99
9	Lab tests	22 wks	Mon 18/1/99
10	T9 Tests	4.2 wks	Mon 28/6/99
11	SAT PROTOTYPE	190 days	Mon 10/5/99
12	SAT Chamber	70 days	Mon 10/5/99
13	Printed Board Micrc	9 wks	Mon 10/5/99
14	Honeycomb & struc	1 wk	Mon 12/7/99
15	Printed Board Bus	6 wks	Mon 31/5/99



Project: Compass Spectrometer
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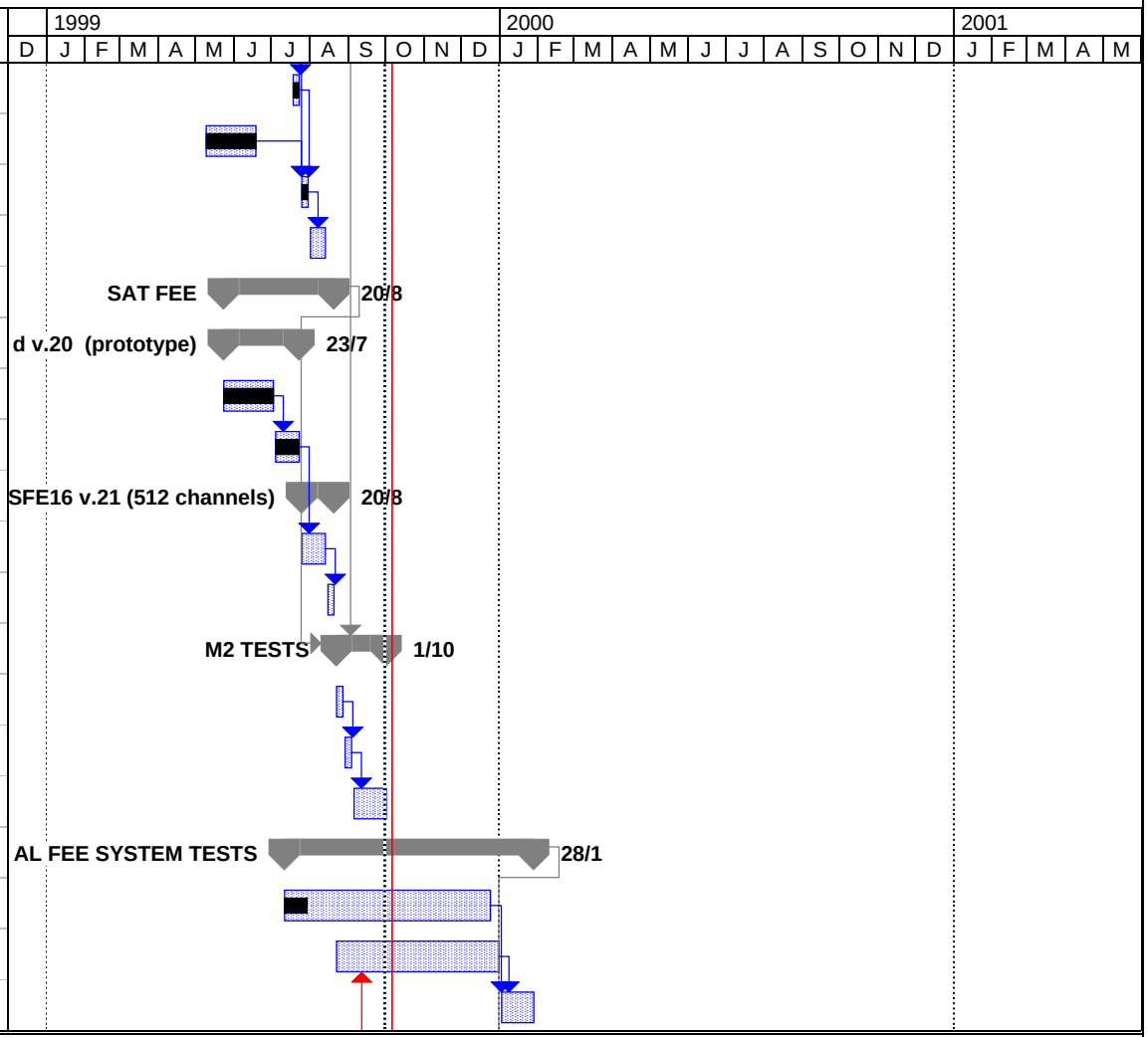
Task		Summary		Rolled Up Progress	
Split		Rolled Up Task		External Tasks	
Progress		Rolled Up Split		Project Summary	
Milestone		Rolled Up Milestone			

Compass Spectrometer / CERN

Thu 30/9/99

ID		Task Name	Duration	Start
16	✓	Mecanical integratic	1 wk	Mon 19/7/99
17	✓	CMS components p	6 wks	Mon 10/5/99
18		CMS components c	1 wk	Mon 26/7/99
19		Lab tests	2 wks	Mon 2/8/99
20		SAT FEE	65 days	Mon 24/5/99
21	✓	SFE16 board v.20	45 days	Mon 24/5/99
22	✓	Fabrication	6 wks	Mon 24/5/99
23	✓	Lab tests	3 wks	Mon 5/7/99
24		FE board SFE16 v.:	20 days	Mon 26/7/99
25		Fabrication	3 wks	Mon 26/7/99
26		Lab Tests	1 wk	Mon 16/8/99
27		M2 TESTS	30 days	Mon 23/8/99
28		Final integration	1 wk	Mon 23/8/99
29		Lab Tests	1 wk	Mon 30/8/99
30		M2 (SPS) septembe	4 wks	Mon 6/9/99
31		GLOBAL FEE SYSTEM	145 days	Mon 12/7/99
32		Tests Catch+F1 boa	24 wks	Mon 12/7/99
33		Threshold control b	19 wks	Mon 23/8/99
34		Tests FEE system	4 wks	Mon 3/1/00



Project: Compass Spectrometer
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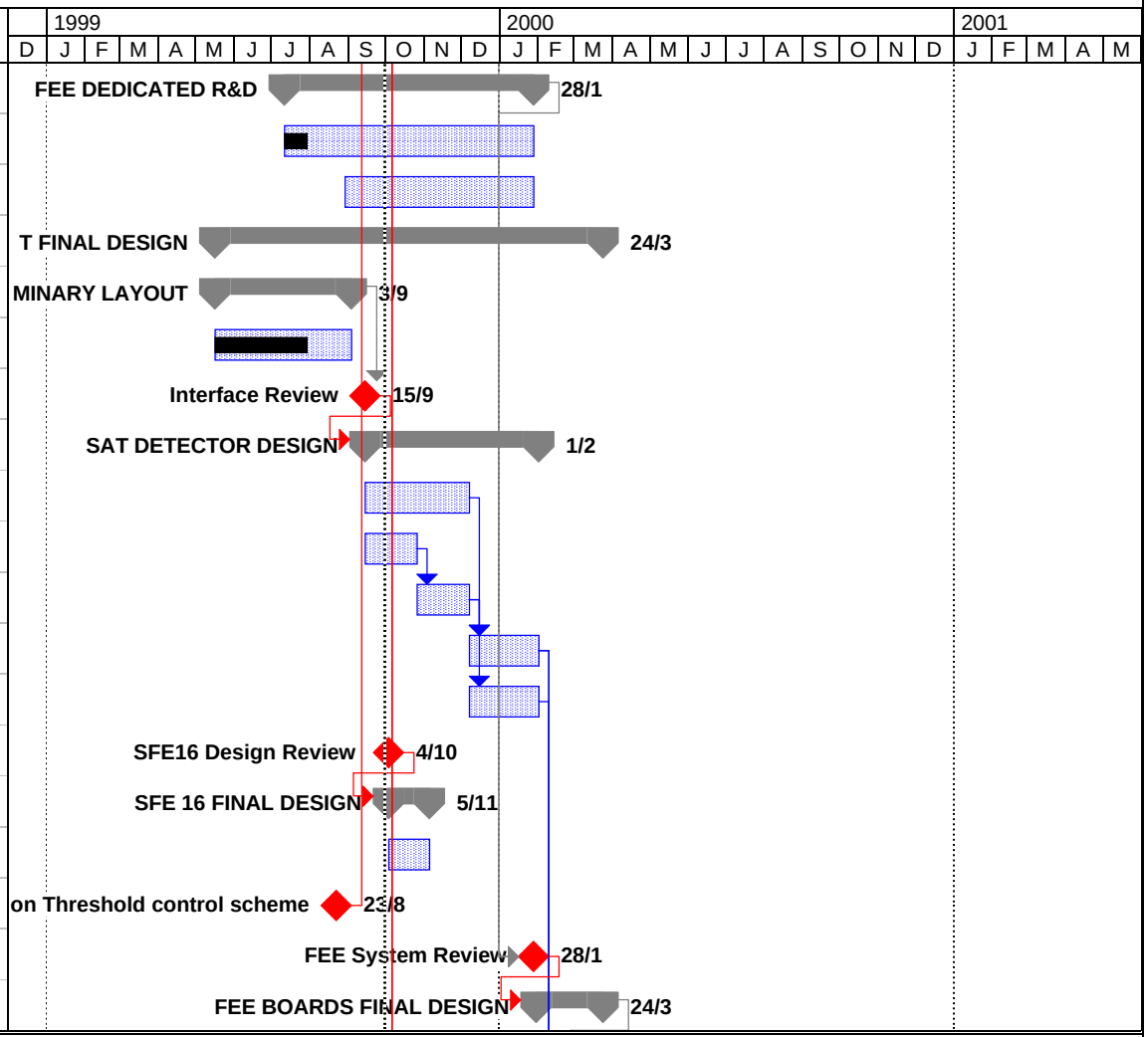
Task		Summary		Rolled Up Progress	
Split		Rolled Up Task		External Tasks	
Progress		Rolled Up Split		Project Summary	
Milestone		Rolled Up Milestone			

Compass Spectrometer / CERN

Thu 30/9/99

ID	Task Name	Duration	Start
35	FEE DEDICATED R&D	145 days	Mon 12/7/99
36	R&D lvds link	29 wks	Mon 12/7/99
37	R&D chip layout	22 wks	Mon 30/8/99
38	SAT FINAL DESIGN	225 days	Mon 17/5/99
39	PRELIMINARY LAYOUT	80 days	Mon 17/5/99
40	Preliminary Layout	16 wks	Mon 17/5/99
41	Interface Review	0 days	Wed 15/9/99
42	SAT DETECTOR DESIC	100 days	Wed 15/9/99
43	R&D Micromegas c	12 wks	Wed 15/9/99
44	Detector design	6 wks	Wed 15/9/99
45	Structure design	6 wks	Wed 27/10/99
46	Detector & Structur	8 wks	Wed 8/12/99
47	Micromegas Printed	8 wks	Wed 8/12/99
48	SFE16 Design Review	0 days	Mon 4/10/99
49	SFE 16 FINAL DESIGN	25 days	Mon 4/10/99
50	SFE16 Chip final de	5 wks	Mon 4/10/99
51	Decision on Threshold c	0 days	Mon 23/8/99
52	FEE System Review	0 days	Fri 28/1/00
53	FEE BOARDS FINAL DI	40 days	Mon 31/1/00



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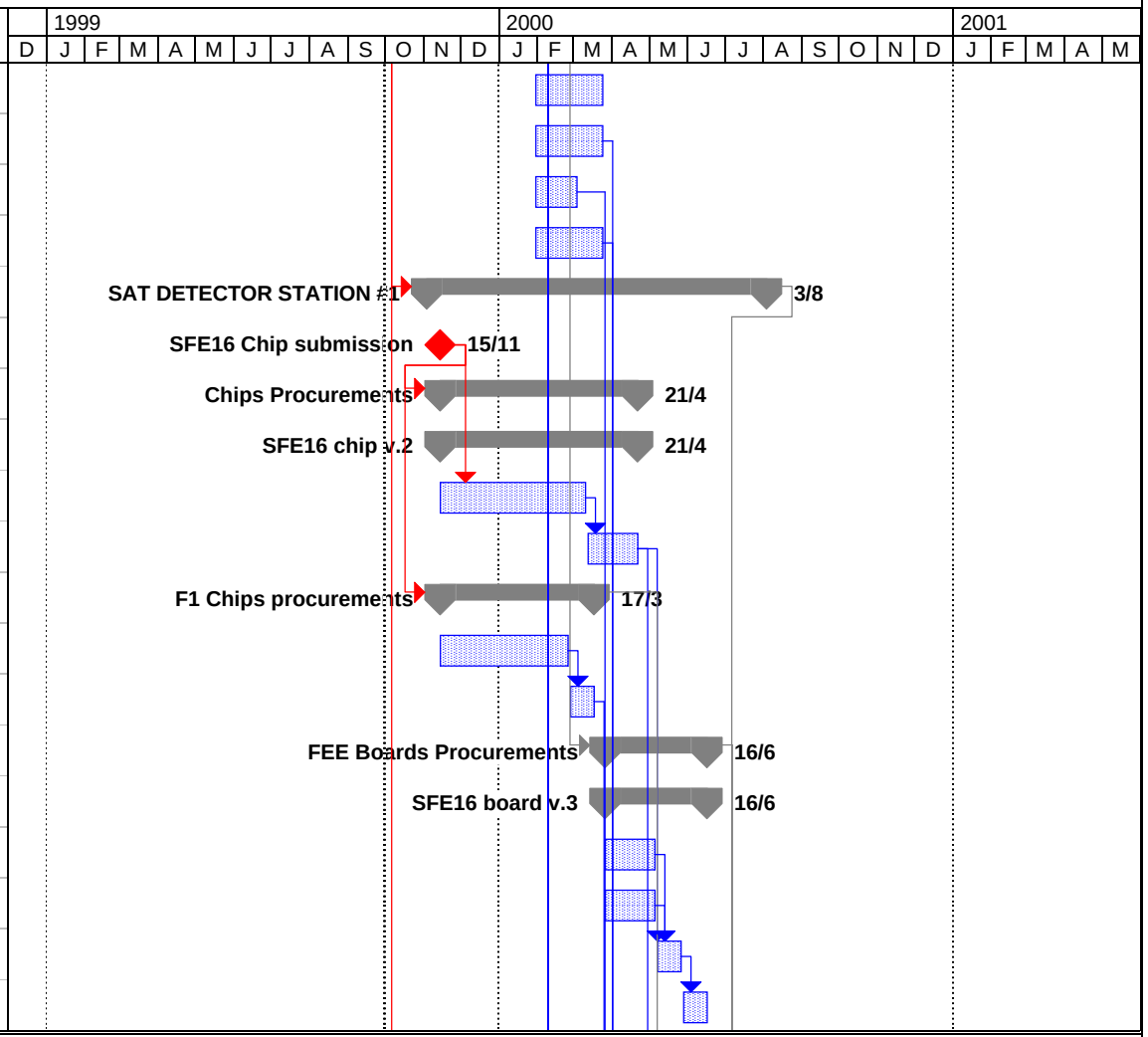
Task		Summary		Rolled Up Progress	
Split		Rolled Up Task		External Tasks	
Progress		Rolled Up Split		Project Summary	
Milestone		Rolled Up Milestone			

Compass Spectrometer / CERN

Thu 30/9/99

ID		Task Name	Duration	Start
54		SFE16 board v.3 fir	8 wks	Mon 31/1/00
55		F1 board final desig	8 wks	Mon 31/1/00
56		Bus Printed Board F	5 wks	Mon 31/1/00
57		Threshold control b	8 wks	Mon 31/1/00
58		SAT DETECTOR STATION #	196 days	Thu 4/11/99
59		SFE16 Chip submission	0 days	Mon 15/11/99
60		Chips Procurements	115 days	Mon 15/11/99
61		SFE16 chip v.2	115 days	Mon 15/11/99
62		Chip Procurem	17 wks	Mon 15/11/99
63		Reception & te	6 wks	Mon 13/3/00
64		F1 Chips procurem	90 days	Mon 15/11/99
65		F1 Chips procu	15 wks	Mon 15/11/99
66		Reception and	3 wks	Mon 28/2/00
67		FEE Boards Procuremer	60 days	Mon 27/3/00
68		SFE16 board v.3	60 days	Mon 27/3/00
69		Fabrication	6 wks	Mon 27/3/00
70		LVDS links to F	6 wks	Mon 27/3/00
71		Cabling	3 wks	Mon 8/5/00
72		Tests	3 wks	Mon 29/5/00



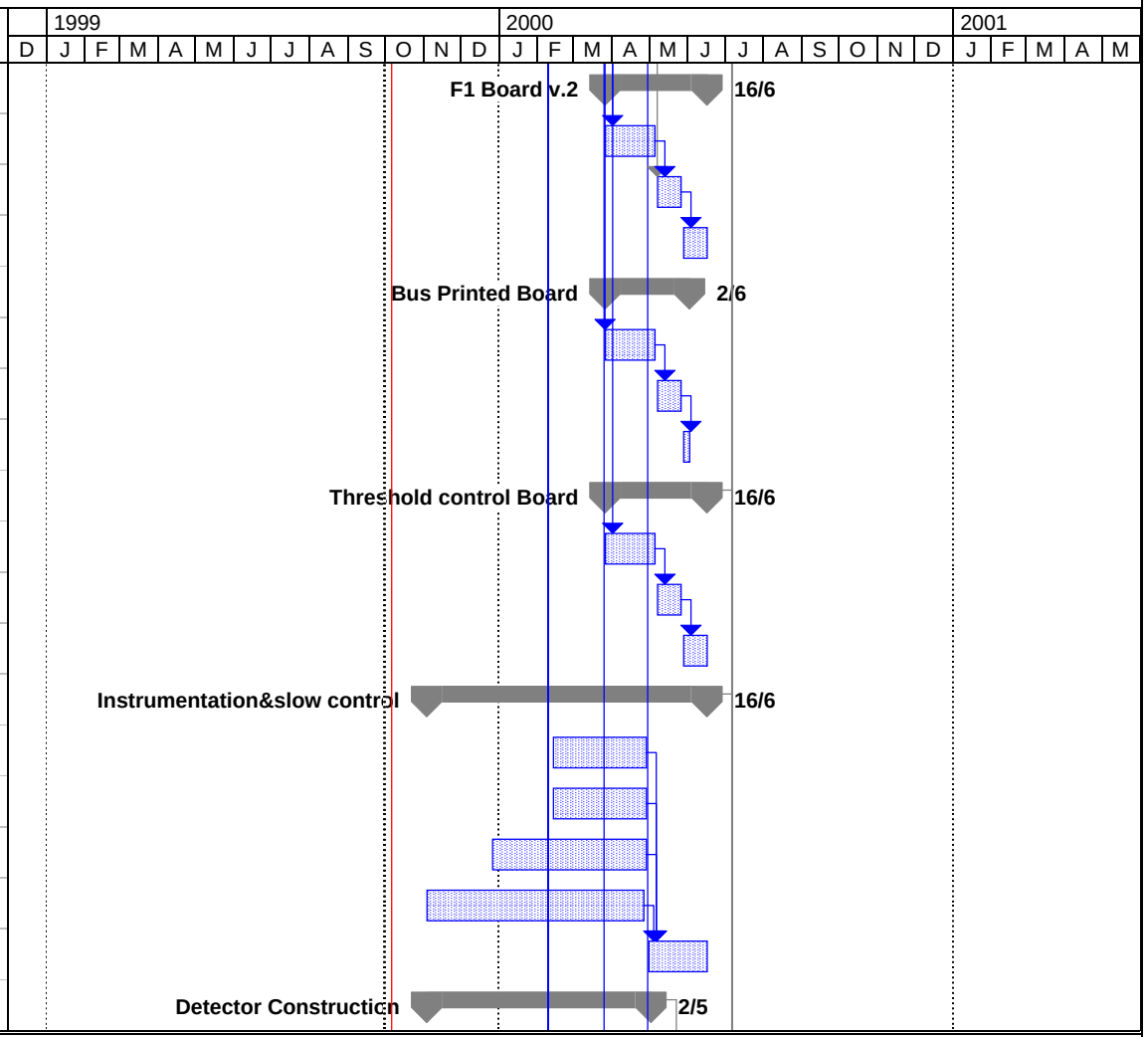
Project: Compass Spectrometer
Date: Mon 2/8/99
Co-ordinator: Gerhard Mallot /CERN

Task | Split | Progress | Milestone | Summary | Rolled Up Task | Rolled Up Split | Rolled Up Milestone | Rolled Up Progress | External Tasks | Project Summary

Compass Spectrometer / CERN

Thu 30/9/99

ID	Task Name	Duration	Start
73	F1 Board v.2	60 days	Mon 27/3/00
74	Printed Board f	6 wks	Mon 27/3/00
75	Cabling	3 wks	Mon 8/5/00
76	Tests	3 wks	Mon 29/5/00
77	Bus Printed Board	50 days	Mon 27/3/00
78	Fabrication	6 wks	Mon 27/3/00
79	Cabling	3 wks	Mon 8/5/00
80	Reception & te	1 wk	Mon 29/5/00
81	Threshold control B	60 days	Mon 27/3/00
82	Fabrication	6 wks	Mon 27/3/00
83	Cabling	3 wks	Mon 8/5/00
84	Tests	3 wks	Mon 29/5/00
85	Instrumentation&slow co	162 days	Thu 4/11/99
86	HV supply	11 wks	Mon 14/2/00
87	LV supply	11 wks	Mon 14/2/00
88	gas supply	18 wks	Mon 27/12/99
89	Slow control	25 wks	Thu 4/11/99
90	Slow control & Instr	7 wks	Mon 1/5/00
91	Detector Construction	129 days	Thu 4/11/99



Project: Compass Spectrometer
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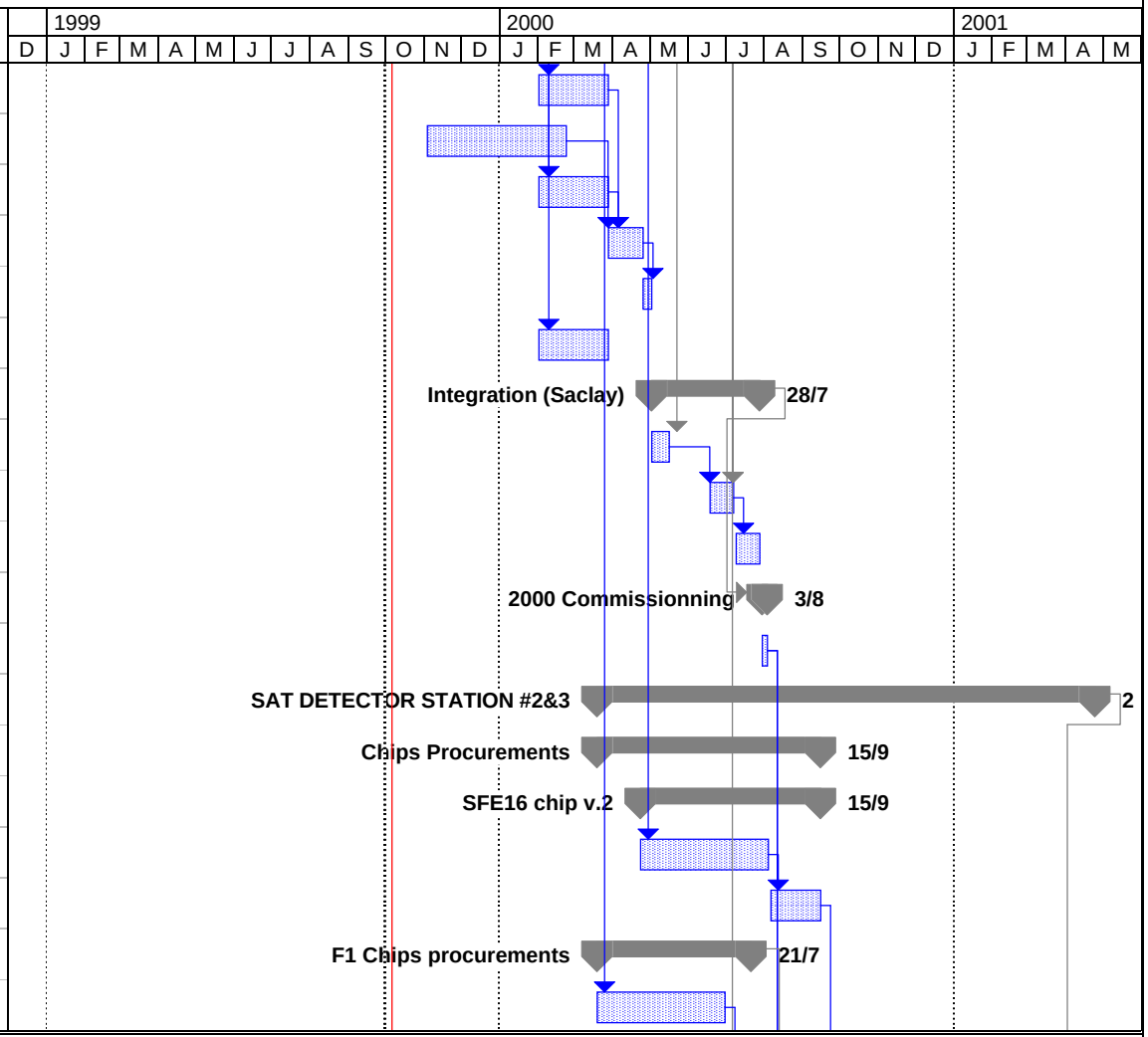
Task		Summary		Rolled Up Progress	
Split		Rolled Up Task		External Tasks	
Progress		Rolled Up Split		Project Summary	
Milestone		Rolled Up Milestone			

Compass Spectrometer / CERN

Thu 30/9/99

ID	Task Name	Duration	Start
92	µM Printed Board P	8 wks	Wed 2/2/00
93	Mesh procurements	16 wks	Thu 4/11/99
94	Mechanics procurer	8 wks	Wed 2/2/00
95	Chamber integratior	4 wks	Wed 29/3/00
96	Detector Preliminar	1 wk	Wed 26/4/00
97	Mechanical structur	8 wks	Wed 2/2/00
98	Integration (Saclay)	63 days	Wed 3/5/00
99	Mech. integration	2 wks	Wed 3/5/00
100	System integration	3 wks	Mon 19/6/00
101	Lab Tests	3 wks	Mon 10/7/00
102	2000 Commissionning	4 days	Mon 31/7/00
103	Transport	4 days	Mon 31/7/00
104	SAT DETECTOR STATION #	287 days	Mon 20/3/00
105	Chips Procurements	130 days	Mon 20/3/00
106	SFE16 chip v.2	105 days	Mon 24/4/00
107	Chip Procurem	15 wks	Mon 24/4/00
108	Reception & te	6 wks	Mon 7/8/00
109	F1 Chips procurem	90 days	Mon 20/3/00
110	F1 Chips procu	15 wks	Mon 20/3/00



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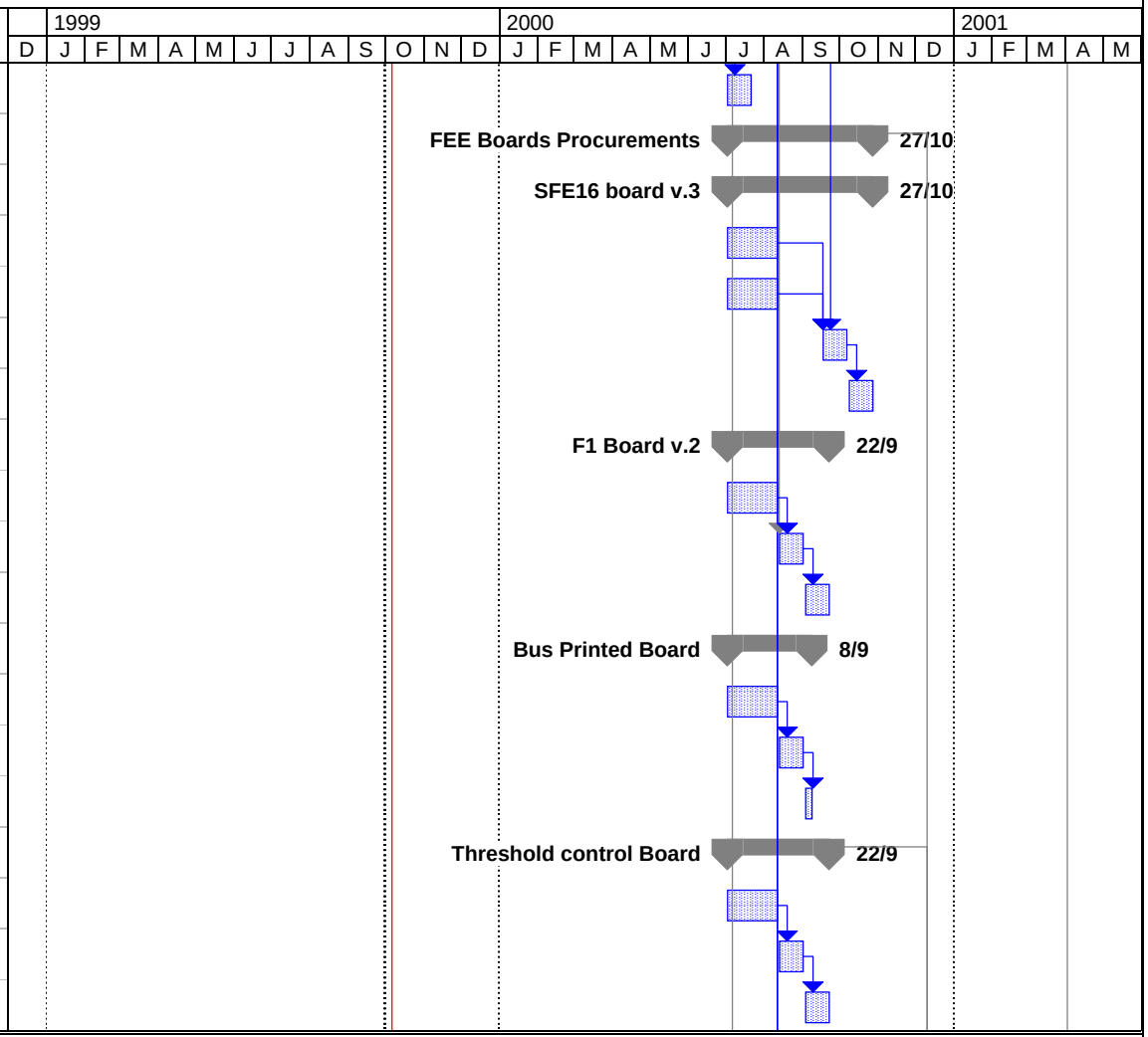
Task		Summary		Rolled Up Progress	
Split		Rolled Up Task		External Tasks	
Progress		Rolled Up Split		Project Summary	
Milestone		Rolled Up Milestone			

Compass Spectrometer / CERN

Thu 30/9/99

ID	Task Name	Duration	Start
111	Reception and	3 wks	Mon 3/7/00
112	FEE Boards Procuremer	85 days	Mon 3/7/00
113	SFE16 board v.3	85 days	Mon 3/7/00
114	Fabrication	6 wks	Mon 3/7/00
115	LVDS links to I	6 wks	Mon 3/7/00
116	Cabling	3 wks	Mon 18/9/00
117	Tests	3 wks	Mon 9/10/00
118	F1 Board v.2	60 days	Mon 3/7/00
119	Printed Board I	6 wks	Mon 3/7/00
120	Cabling	3 wks	Mon 14/8/00
121	Tests	3 wks	Mon 4/9/00
122	Bus Printed Board	50 days	Mon 3/7/00
123	Fabrication	6 wks	Mon 3/7/00
124	Cabling	3 wks	Mon 14/8/00
125	Reception & te	1 wk	Mon 4/9/00
126	Threshold control B	60 days	Mon 3/7/00
127	Fabrication	6 wks	Mon 3/7/00
128	Cabling	3 wks	Mon 14/8/00
129	Tests	3 wks	Mon 4/9/00



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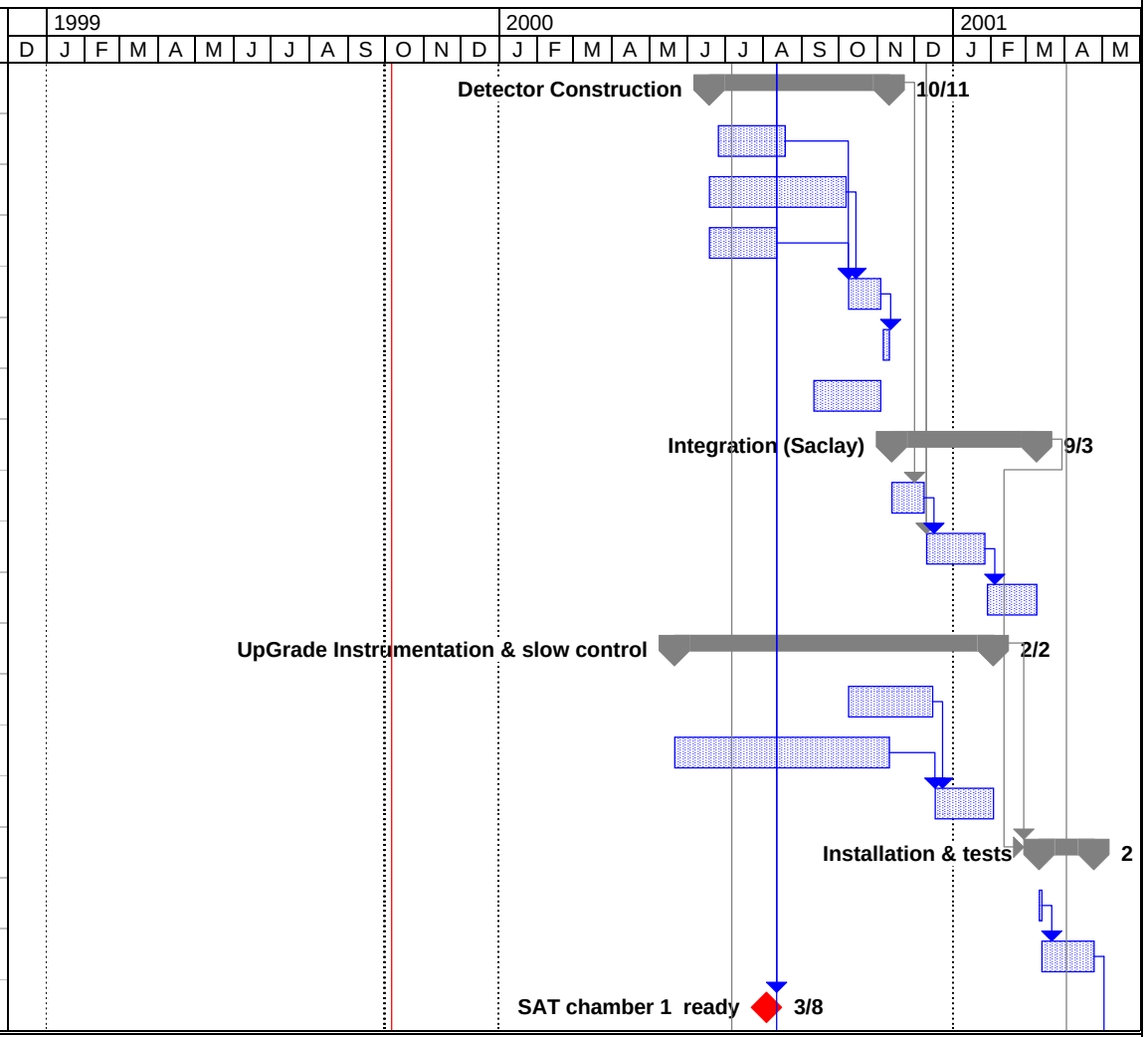
Task		Summary		Rolled Up Progress	
Split		Rolled Up Task		External Tasks	
Progress		Rolled Up Split		Project Summary	
Milestone		Rolled Up Milestone			

Compass Spectrometer / CERN

Thu 30/9/99

ID	Task Name	Duration	Start
130	Detector Construction	105 days	Mon 19/6/00
131	µM Printed Board P	8 wks	Mon 26/6/00
132	Mesh procurements	16 wks	Mon 19/6/00
133	Mechanics procurer	8 wks	Mon 19/6/00
134	Chamber integratio	4 wks	Mon 9/10/00
135	Detector Preliminar	1 wk	Mon 6/11/00
136	Mechanical structur	8 wks	Mon 11/9/00
137	Integration (Saclay)	85 days	Mon 13/11/00
138	Mech. integration	4 wks	Mon 13/11/00
139	System integration	7 wks	Mon 11/12/00
140	Lab Tests	6 wks	Mon 29/1/01
141	UpGrade Instrumentatio	185 days	Mon 22/5/00
142	gas supply	10 wks	Mon 9/10/00
143	Slow control	25 wks	Mon 22/5/00
144	Slow control & Instr	7 wks	Mon 18/12/00
145	Installation & tests	32 days	Mon 12/3/01
146	Transport	2 days	Mon 12/3/01
147	Tests at CERN	6 wks	Wed 14/3/01
148	SAT chamber 1 ready	0 days	Thu 3/8/00



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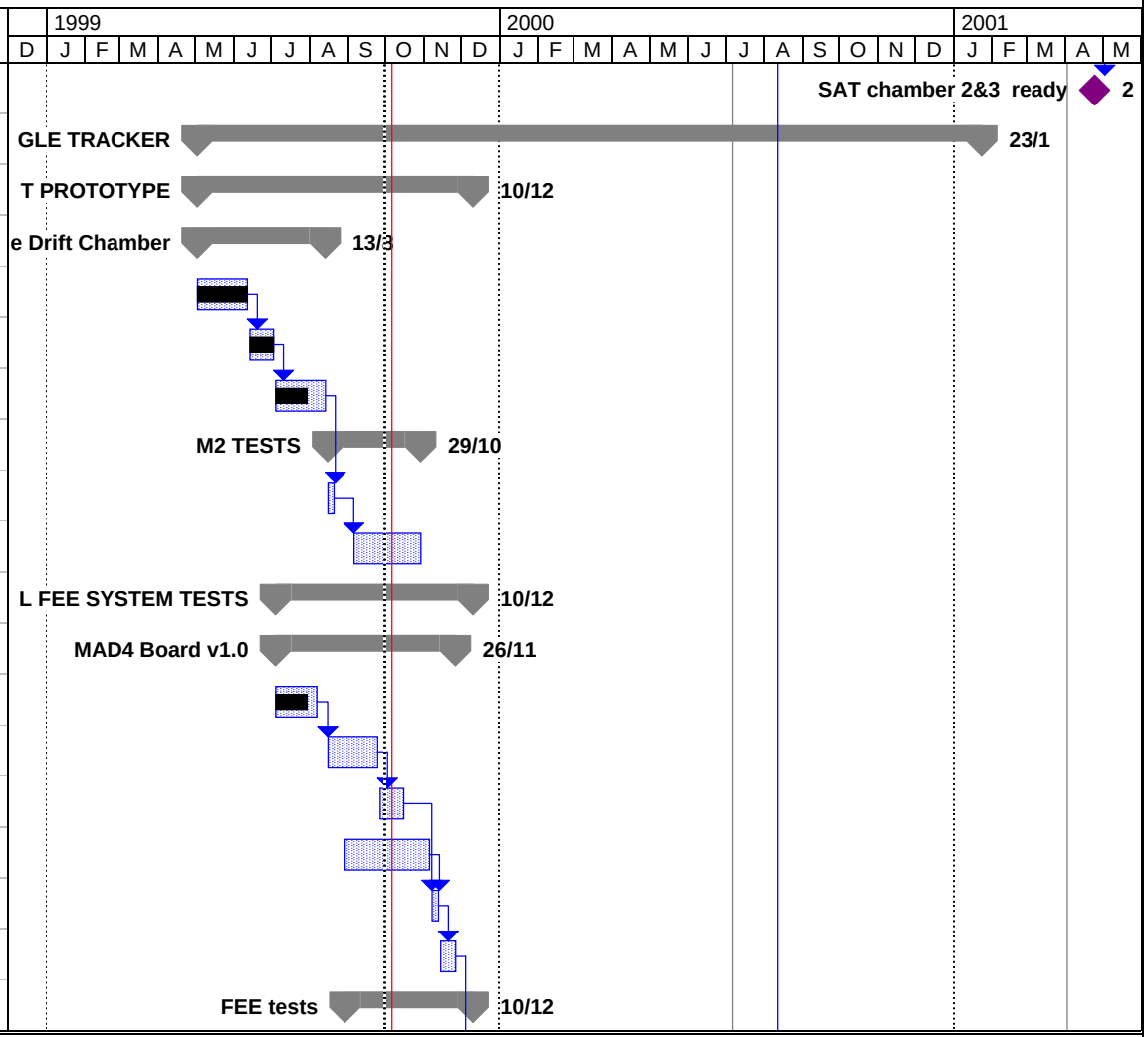
Task		Summary		Rolled Up Progress	
Split		Rolled Up Task		External Tasks	
Progress		Rolled Up Split		Project Summary	
Milestone		Rolled Up Milestone			

Compass Spectrometer / CERN

Thu 30/9/99

ID	Task Name	Duration	Start
149	SAT chamber 2&3 ready	0 days	Tue 24/4/01
150	DRIFT CHAMBERS LARGE ANG	452 days	Mon 3/5/99
151	LAT PROTOTYPE	160 days	Mon 3/5/99
152	Large Drift Chamber	75 days	Mon 3/5/99
153	Design	6 wks	Mon 3/5/99
154	Procurements	3 wks	Mon 14/6/99
155	Construction	6 wks	Mon 5/7/99
156	M2 TESTS	55 days	Mon 16/8/99
157	Lab Tests	1 wk	Mon 16/8/99
158	M2 (SPS) septemb	8 wks	Mon 6/9/99
159	GLOBAL FEE SYSTEM	115 days	Mon 5/7/99
160	MAD4 Board v1.0	105 days	Mon 5/7/99
161	Design	5 wks	Mon 5/7/99
162	MAD4 board P	6 wks	Mon 16/8/99
163	Cabling	3 wks	Mon 27/9/99
164	MAD4 Procure	10 wks	Mon 30/8/99
165	MAD4 Integrat	1 wk	Mon 8/11/99
166	Tests	2 wks	Mon 15/11/99
167	FEE tests	75 days	Mon 30/8/99



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Task		Summary		Rolled Up Progress	
Split		Rolled Up Task		External Tasks	
Progress		Rolled Up Split		Project Summary	
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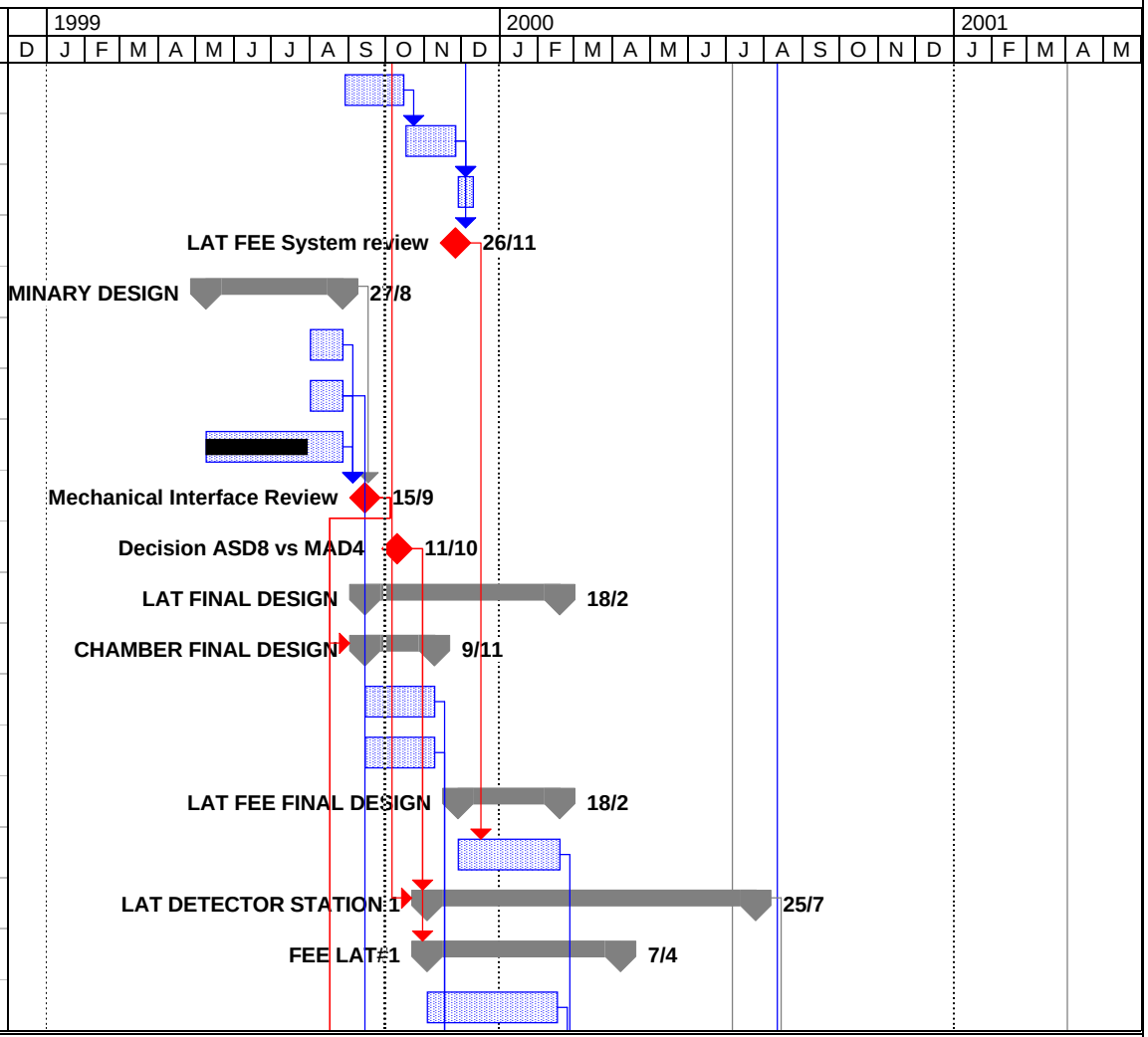
Compass Spectrometer / CERN

Thu 30/9/99

ID	Task Name	Duration	Start
168	F1 board (Freil	7 wks	Mon 30/8/99
169	ASD8+F1+Cat	6 wks	Mon 18/10/99
170	MAD4+F1+Cat	2 wks	Mon 29/11/99
171	LAT FEE System review	0 days	Fri 26/11/99
172	LAT PRELIMINARY DESIGN	80 days	Mon 10/5/99
173	FEE preliminary design	4 wks	Mon 2/8/99
174	Chambers preliminary d	4 wks	Mon 2/8/99
175	Platform preliminary des	16 wks	Mon 10/5/99
176	Mechanical Interface Review	0 days	Wed 15/9/99
177	Decision ASD8 vs MAD4	0 days	Mon 11/10/99
178	LAT FINAL DESIGN	113 days	Wed 15/9/99
179	CHAMBER FINAL DESI	40 days	Wed 15/9/99
180	Chamber design	8 wks	Wed 15/9/99
181	Tools	8 wks	Wed 15/9/99
182	LAT FEE FINAL DESIGI	60 days	Mon 29/11/99
183	FE boards final des	12 wks	Mon 29/11/99
184	LAT DETECTOR STATION 1	189 days	Thu 4/11/99
185	FEE LAT#1	112 days	Thu 4/11/99
186	Chips Procuremen	15 wks	Thu 4/11/99



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Split		Rolled Up Task		External Tasks	
Progress		Rolled Up Split		Project Summary	
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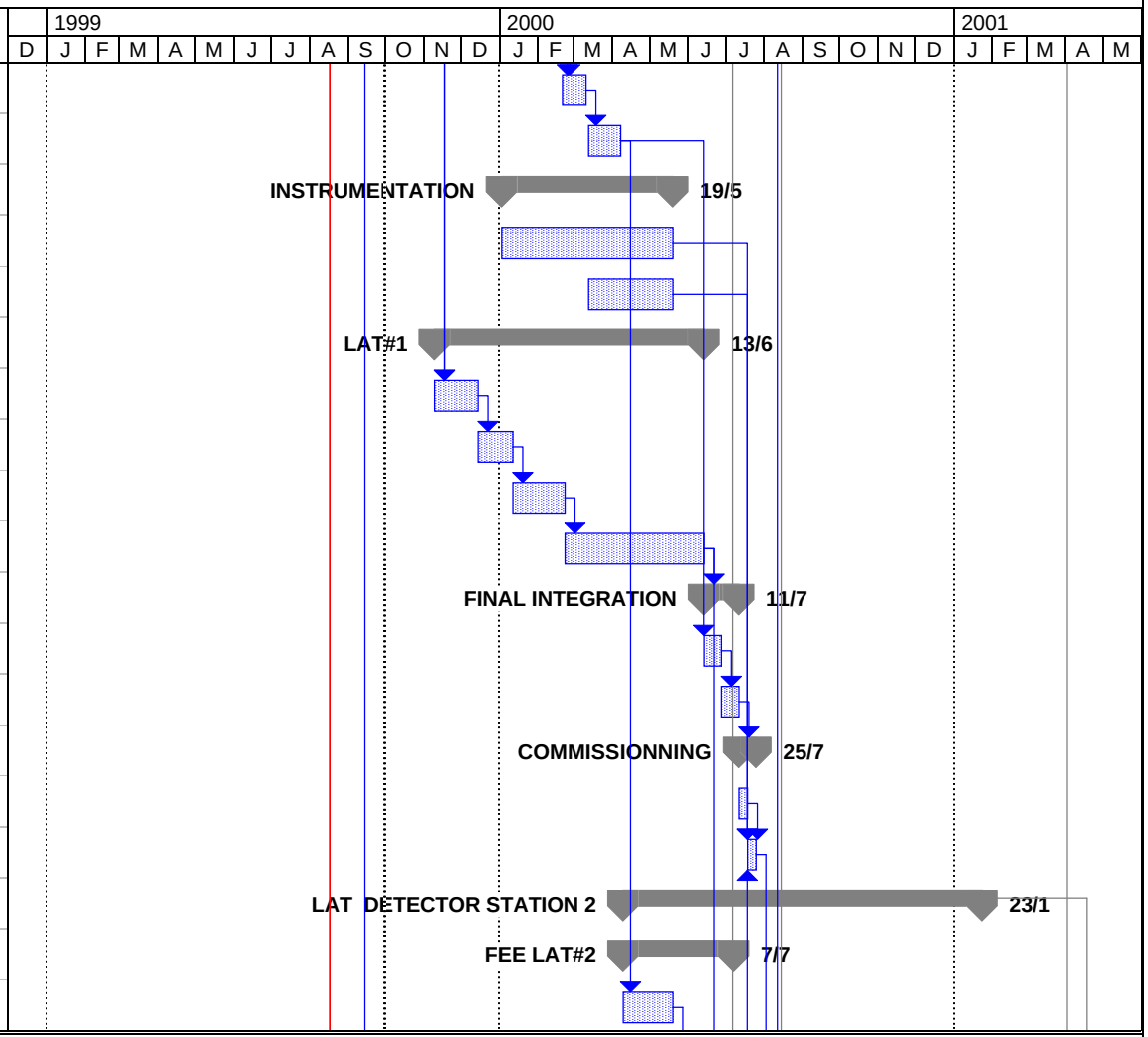
Compass Spectrometer / CERN

Thu 30/9/99

ID	Task Name	Duration	Start
187	FE boards cabling	3 wks	Mon 21/2/00
188	FE boards Tests	4 wks	Mon 13/3/00
189	INSTRUMENTATION	100 days	Mon 3/1/00
190	Gas system	20 wks	Mon 3/1/00
191	HV/LV system	10 wks	Mon 13/3/00
192	LAT#1	155 days	Wed 10/11/99
193	Final drawing (subc	5 wks	Wed 10/11/99
194	Call for tender	4 wks	Wed 15/12/99
195	Procurements	6 wks	Wed 12/1/00
196	Construction chamt	16 wks	Wed 23/2/00
197	FINAL INTEGRATION	20 days	Wed 14/6/00
198	Integration (Electror	2 wks	Wed 14/6/00
199	Tests	2 wks	Wed 28/6/00
200	COMMISSIONNING	10 days	Wed 12/7/00
201	Transport	1 wk	Wed 12/7/00
202	Intégration (CERN)	1 wk	Wed 19/7/00
203	LAT DETECTOR STATION	207 days	Mon 10/4/00
204	FEE LAT#2	65 days	Mon 10/4/00
205	FE board procurem	6 wks	Mon 10/4/00



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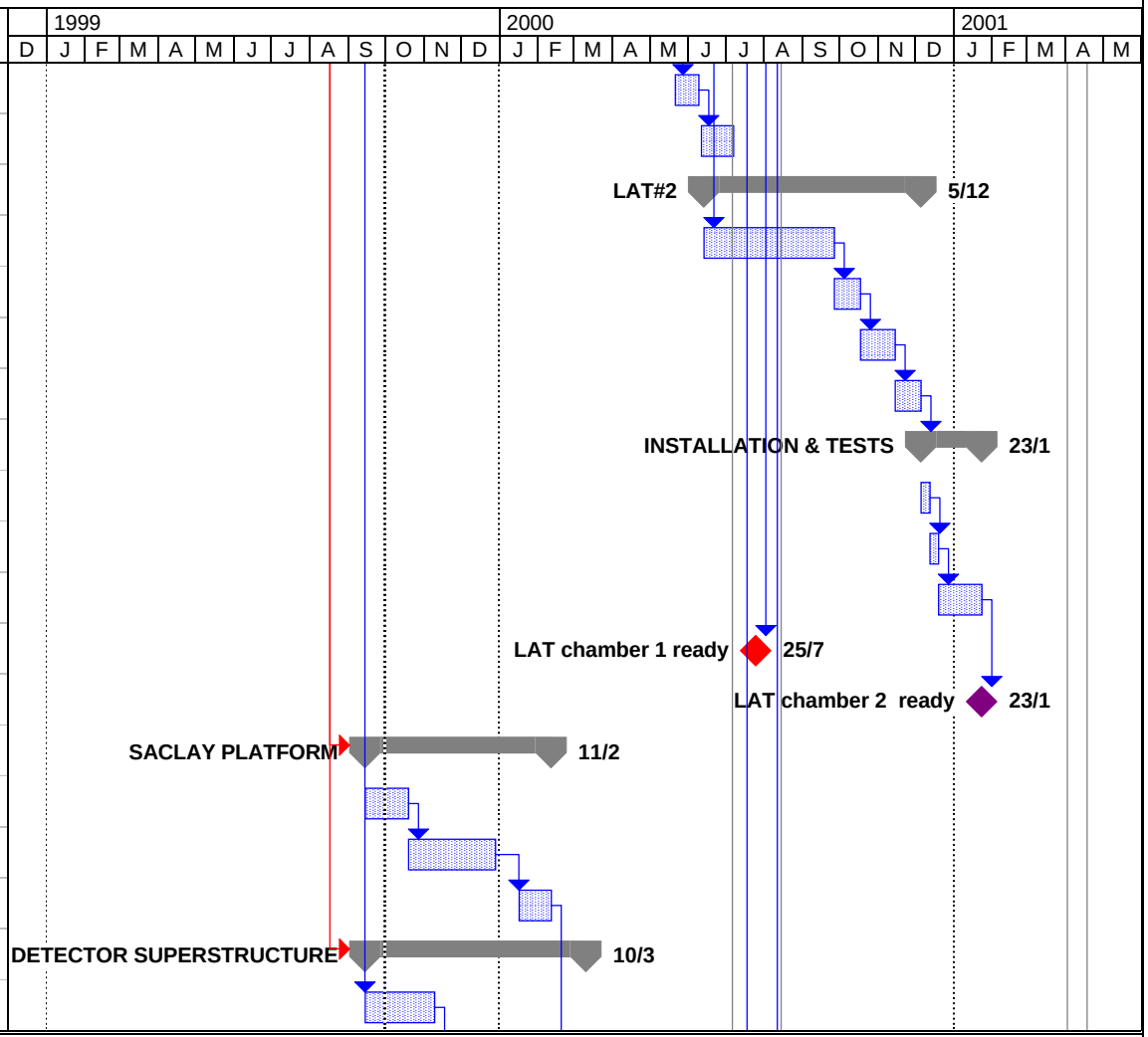
Task		Summary		Rolled Up Progress	
Split		Rolled Up Task		External Tasks	
Progress		Rolled Up Split		Project Summary	
Milestone		Rolled Up Milestone			

Compass Spectrometer / CERN

Thu 30/9/99

ID	Task Name	Duration	Start
206	FE board cabling	3 wks	Mon 22/5/00
207	FE board Tests	4 wks	Mon 12/6/00
208	LAT#2	125 days	Wed 14/6/00
209	Construction chamt	15 wks	Wed 14/6/00
210	Integration (Mechar	3 wks	Wed 27/9/00
211	Integration (Electror	4 wks	Wed 18/10/00
212	Tests	3 wks	Wed 15/11/00
213	INSTALLATION & TEST	35 days	Wed 6/12/00
214	Transport	1 wk	Wed 6/12/00
215	Intégration (CERN)	1 wk	Wed 13/12/00
216	Tests (CERN)	5 wks	Wed 20/12/00
217	LAT chamber 1 ready	0 days	Tue 25/7/00
218	LAT chamber 2 ready	0 days	Tue 23/1/01
219	SACLAY PLATFORM	108 days	Wed 15/9/99
220	Platform final design	5 wks	Wed 15/9/99
221	Platform procurement	10 wks	Wed 20/10/99
222	Platform integration (CERN)	4 wks	Mon 17/1/00
223	DETECTOR SUPERSTRUCTURE	128 days	Wed 15/9/99
224	Superstructure design	8 wks	Wed 15/9/99



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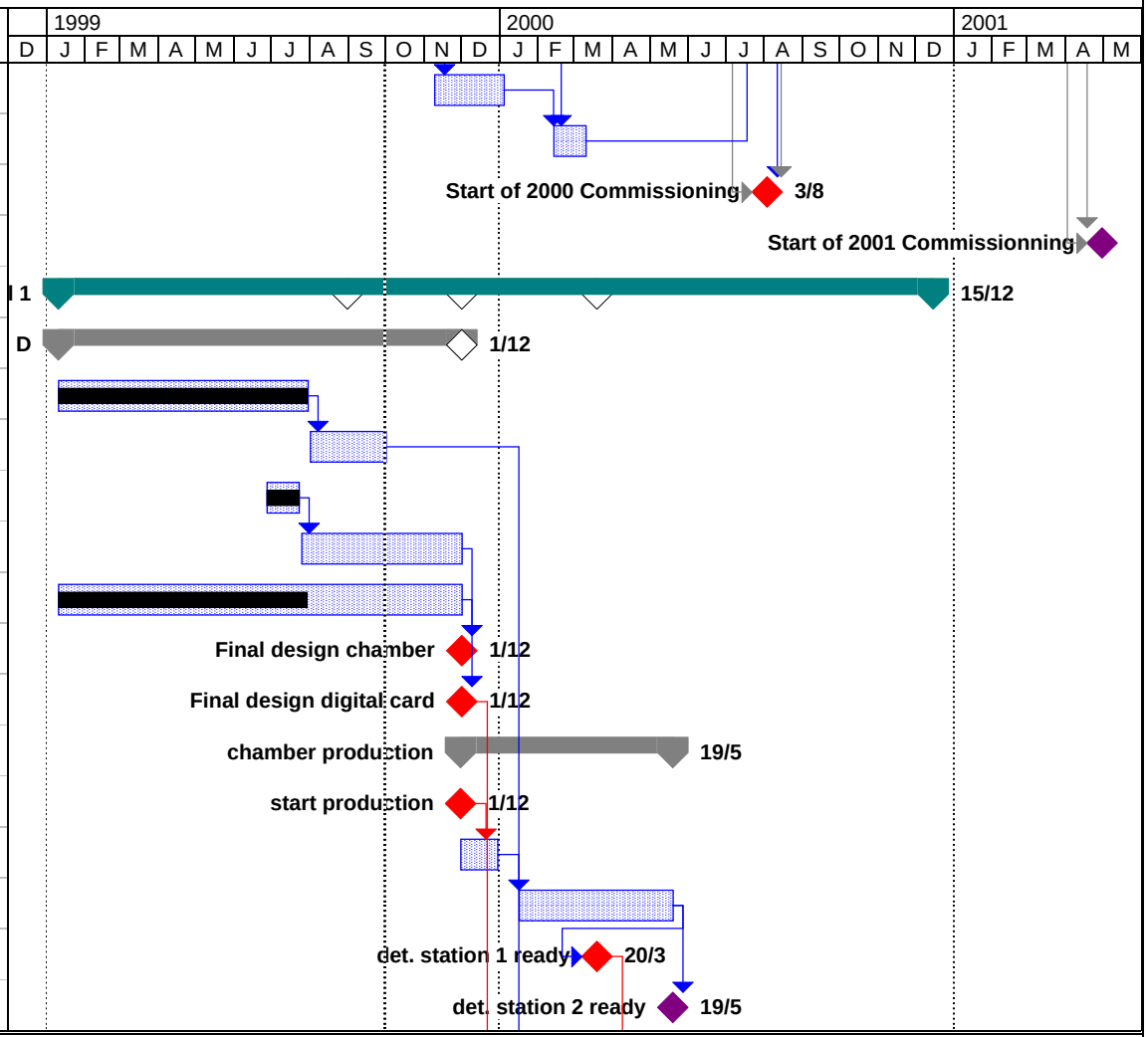
Task		Summary		Rolled Up Progress	
Split		Rolled Up Task		External Tasks	
Progress		Rolled Up Split		Project Summary	
Milestone		Rolled Up Milestone			

Compass Spectrometer / CERN

Thu 30/9/99

ID	Task Name	Duration	Start
225	Procurements	8 wks	Wed 10/11/99
226	Integration (CERN)	4 wks	Mon 14/2/00
227	Start of 2000 Commissioning	0 days	Thu 3/8/00
228	Start of 2001 Commissionning	0 days	Tue 1/5/01
13	**Muon wall 1**	**494 days**	**Mon 11/1/99**
1	R&D	233 days	Mon 11/1/99
2	Conceptual eng. Design	145 days	Mon 11/1/99
3	Concept. Assembly/mounting	9 wks	Mon 2/8/99
4	Prototype chamber testbeam	4 wks	Mon 28/6/99
5	Opt. Gas mixture	93 days	Mon 26/7/99
6	Concept digital electronics	233 days	Mon 11/1/99
7	Final design chamber	0 days	Wed 1/12/99
8	Final design digital card	0 days	Wed 1/12/99
9	chamber production	112 days	Wed 1/12/99
10	start production	0 days	Wed 1/12/99
11	ABS extrusion optimisation	22 days	Wed 1/12/99
12	detector mass production	18 wks	Mon 17/1/00
13	det. station 1 ready	0 days	Mon 20/3/00
14	det. station 2 ready	0 days	Fri 19/5/00



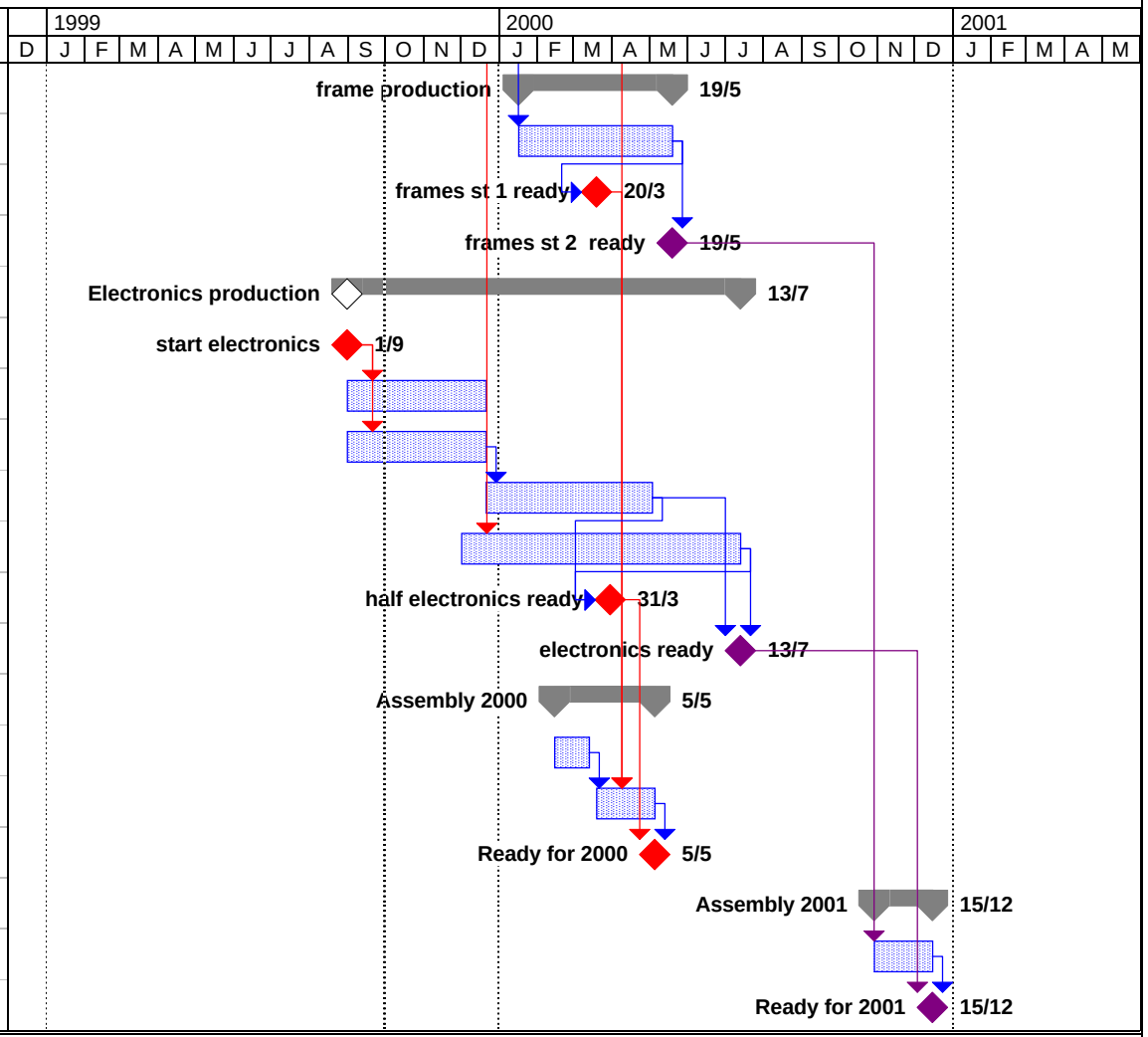
Project: Compass Spectrometer
Date: Mon 2/8/99
Co-ordinator: Gerhard Mallot /CERN

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

Compass Spectrometer / CERN

Thu 30/9/99

ID	Task Name	Duration	Start
15	frame production	90 days	Mon 17/1/00
16	Frame production	18 wks	Mon 17/1/00
17	frames st 1 ready	0 days	Mon 20/3/00
18	frames st 2 ready	0 days	Fri 19/5/00
19	Electronics production	216 days	Wed 1/9/99
20	start electronics	0 days	Wed 1/9/99
21	Analog electronics	16 wks	Wed 1/9/99
22	PC Boards	16 wks	Wed 1/9/99
23	assembly and tests	17 wks	Wed 22/12/99
24	digital cards	30 wks	Thu 2/12/99
25	half electronics ready	0 days	Fri 31/3/00
26	electronics ready	0 days	Thu 13/7/00
27	Assembly 2000	59 days	Tue 15/2/00
28	Prepare assembly	4 wks	Tue 15/2/00
29	Assembly 2000	7 wks	Mon 20/3/00
30	Ready for 2000	0 days	Fri 5/5/00
31	Assembly 2001	35 days	Mon 30/10/00
32	Assembly 2001	7 wks	Mon 30/10/00
33	Ready for 2001	0 days	Fri 15/12/00



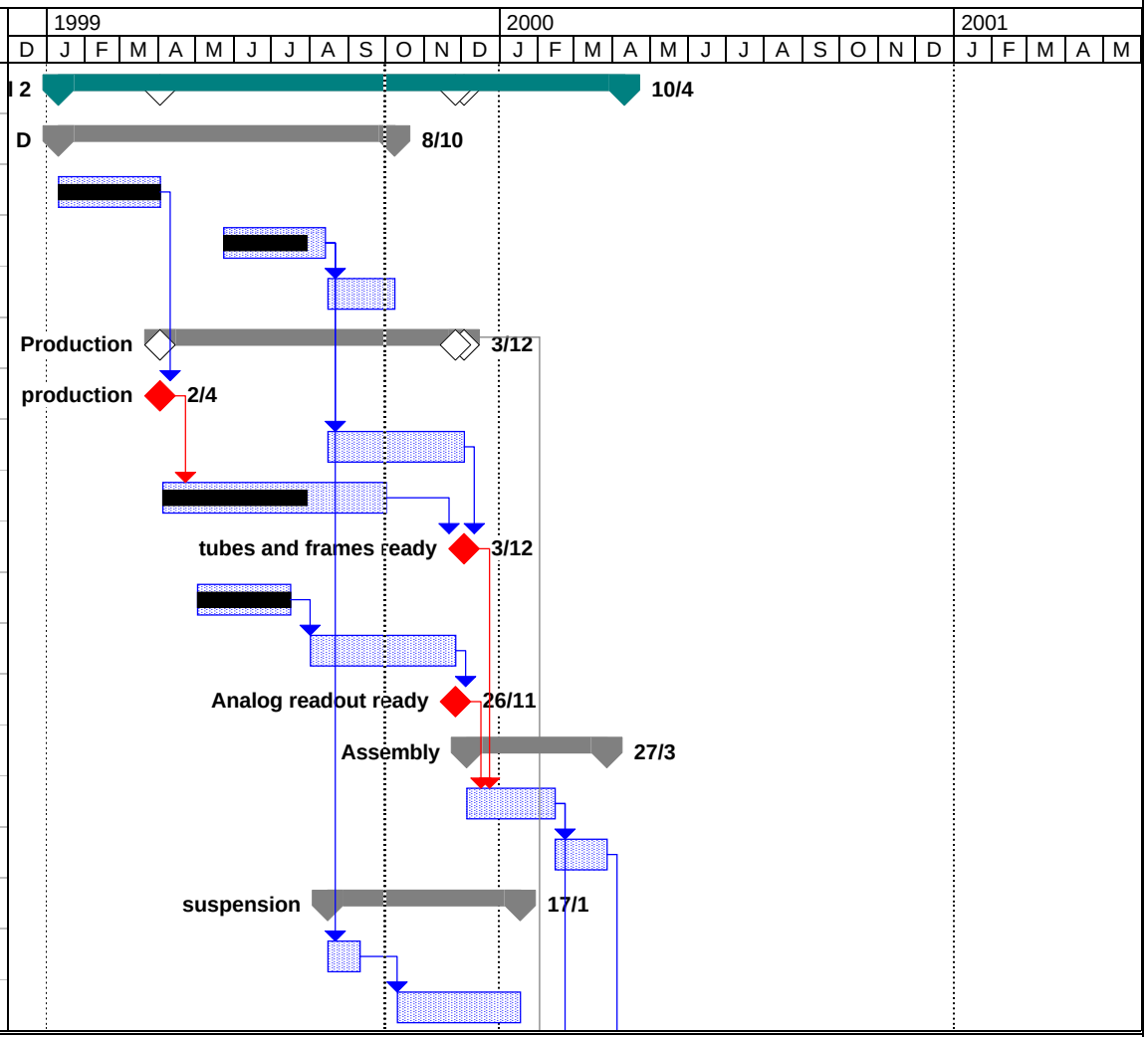
Project: Compass Spectrometer
Date: Mon 2/8/99
Co-ordinator: Gerhard Mallot /CERN

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

Compass Spectrometer / CERN

Thu 30/9/99

ID	Task Name	Duration	Start
14	**Muon Wall 2**	**315 days**	**Mon 11/1/99**
1	R & D	195 days	Mon 11/1/99
2	tubes	12 wks	Mon 11/1/99
3	frame	12 wks	Mon 24/5/99
4	mother board	8 wks	Mon 16/8/99
5	Production	175 days	Fri 2/4/99
6	start tube production	0 days	Fri 2/4/99
7	frames	16 wks	Mon 16/8/99
8	tubes	26 wks	Mon 5/4/99
9	tubes and frames ready	0 days	Fri 3/12/99
10	Amplifier PCs	11 wks	Mon 3/5/99
11	AS full cards	17 wks	Mon 2/8/99
12	Analog readout ready	0 days	Fri 26/11/99
13	Assembly	70 days	Mon 6/12/99
14	Assembly 1 half	8 wks	Mon 6/12/99
15	Assembly 2 half	6 wks	Tue 15/2/00
16	suspension	100 days	Mon 16/8/99
17	design	4 wks	Mon 16/8/99
18	production	12 wks	Mon 11/10/99



Project: Compass Spectrometer
Date: Mon 2/8/99
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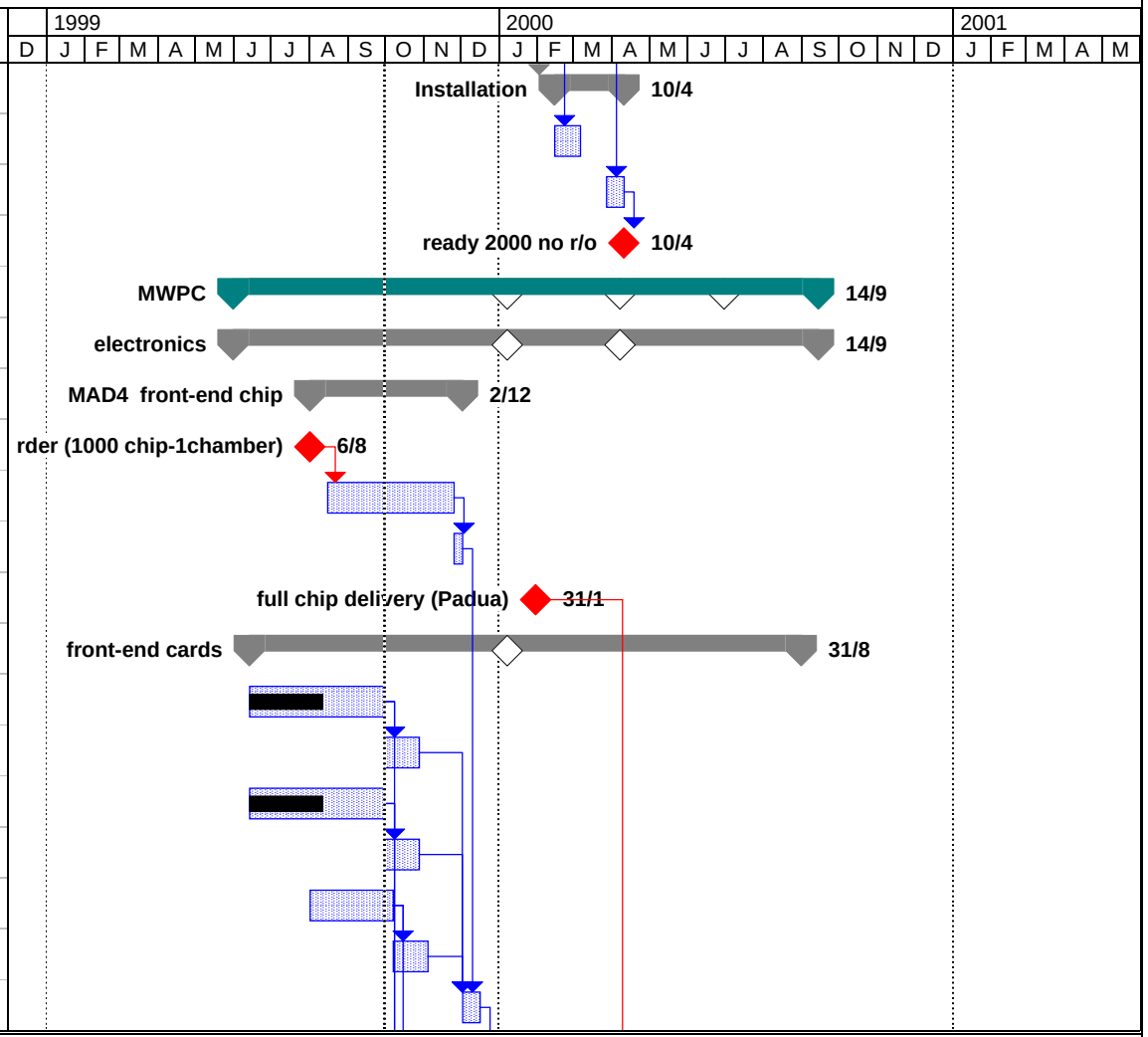
Task		Summary		Rolled Up Progress	
Split		Rolled Up Task		External Tasks	
Progress		Rolled Up Split		Project Summary	
Milestone		Rolled Up Milestone			

Compass Spectrometer / CERN

Thu 30/9/99

ID	Task Name	Duration	Start
19	Installation	40 days	Tue 15/2/00
20	installation 1	3 wks	Tue 15/2/00
21	installation 2	2 wks	Tue 28/3/00
22	ready 2000 no r/o	0 days	Mon 10/4/00
15	**MWPC**	**304 days**	**Tue 1/6/99**
1	electronics	304 days	Tue 1/6/99
2	MAD4 front-end chip	80 days	Mon 2/8/99
3	order (1000 chip-1chaml	1 wk	Mon 2/8/99
4	chip delivery (1000 chip)	14 wks	Mon 16/8/99
5	chip test (1000 chip)	1 wk	Fri 26/11/99
6	full chip delivery (Padua)	0 days	Mon 31/1/00
7	front-end cards	285 days	Mon 14/6/99
8	design - preampli board	14 wks	Mon 14/6/99
9	PCB production and deli	4 wks	Fri 1/10/99
10	design - ECL interface b	14 wks	Mon 14/6/99
11	PCB production and deli	4 wks	Fri 1/10/99
12	design - F1 board	8 wks	Mon 2/8/99
13	PCB production and deli	4 wks	Fri 8/10/99
14	laboratory test (1 board)	2 wks	Fri 3/12/99



Project: Compass Spectrometer
Date: Mon 2/8/99
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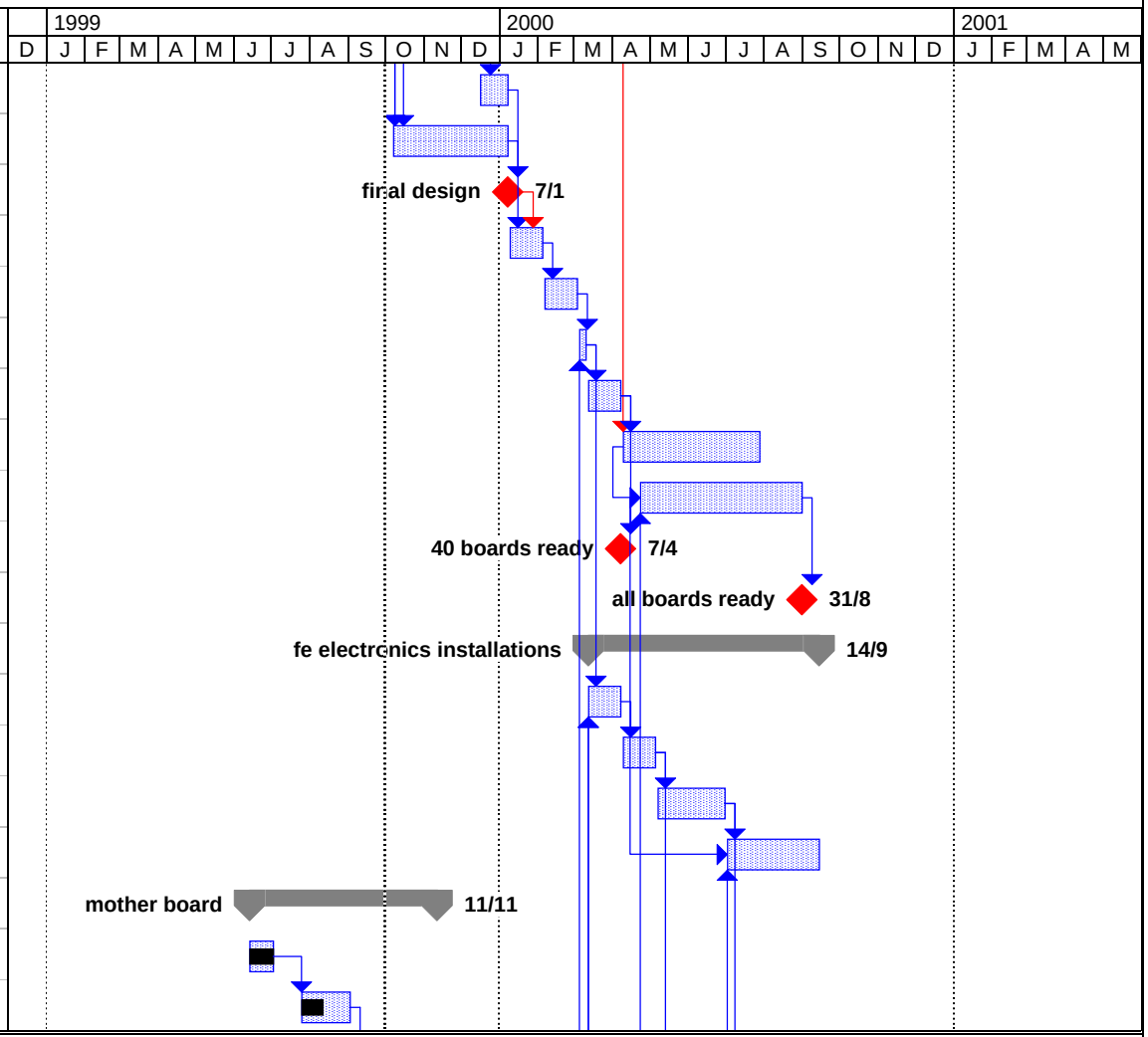
Task		Summary		Rolled Up Progress	
Split		Rolled Up Task		External Tasks	
Progress		Rolled Up Split		Project Summary	
Milestone		Rolled Up Milestone			

Compass Spectrometer / CERN

Thu 30/9/99

ID		Task Name	Duration	Start
15		Chamber test (CERN)	1 wk	Fri 17/12/99
16		Final board design	11 wks	Fri 8/10/99
17		final design	0 days	Fri 7/1/00
18		PCB production and deli	4 wks	Mon 10/1/00
19		40 boards assembly	4 wks	Mon 7/2/00
20		40 boards lab. test	1 wk	Mon 6/3/00
21		40 boards chamber test	4 wks	Mon 13/3/00
22		360 boards production	16 wks	Mon 10/4/00
23		360 board test	16 wks	Mon 24/4/00
24		40 boards ready	0 days	Fri 7/4/00
25		all boards ready	0 days	Thu 31/8/00
26		fe electronics installations	120 days	Mon 13/3/00
27		1st chamber	4 wks	Mon 13/3/00
28		2 - 3 chamber	4 wks	Mon 10/4/00
29		4 - 7 chamber	8 wks	Mon 8/5/00
30		8 - 11 chamber	8 wks	Mon 3/7/00
31		mother board	100 days	Mon 14/6/99
32	✓	design	3 wks	Mon 14/6/99
33		PCB prototype (1 chamb	4 wks	Mon 26/7/99



Project: Compass Spectrometer
Date: Mon 2/8/99
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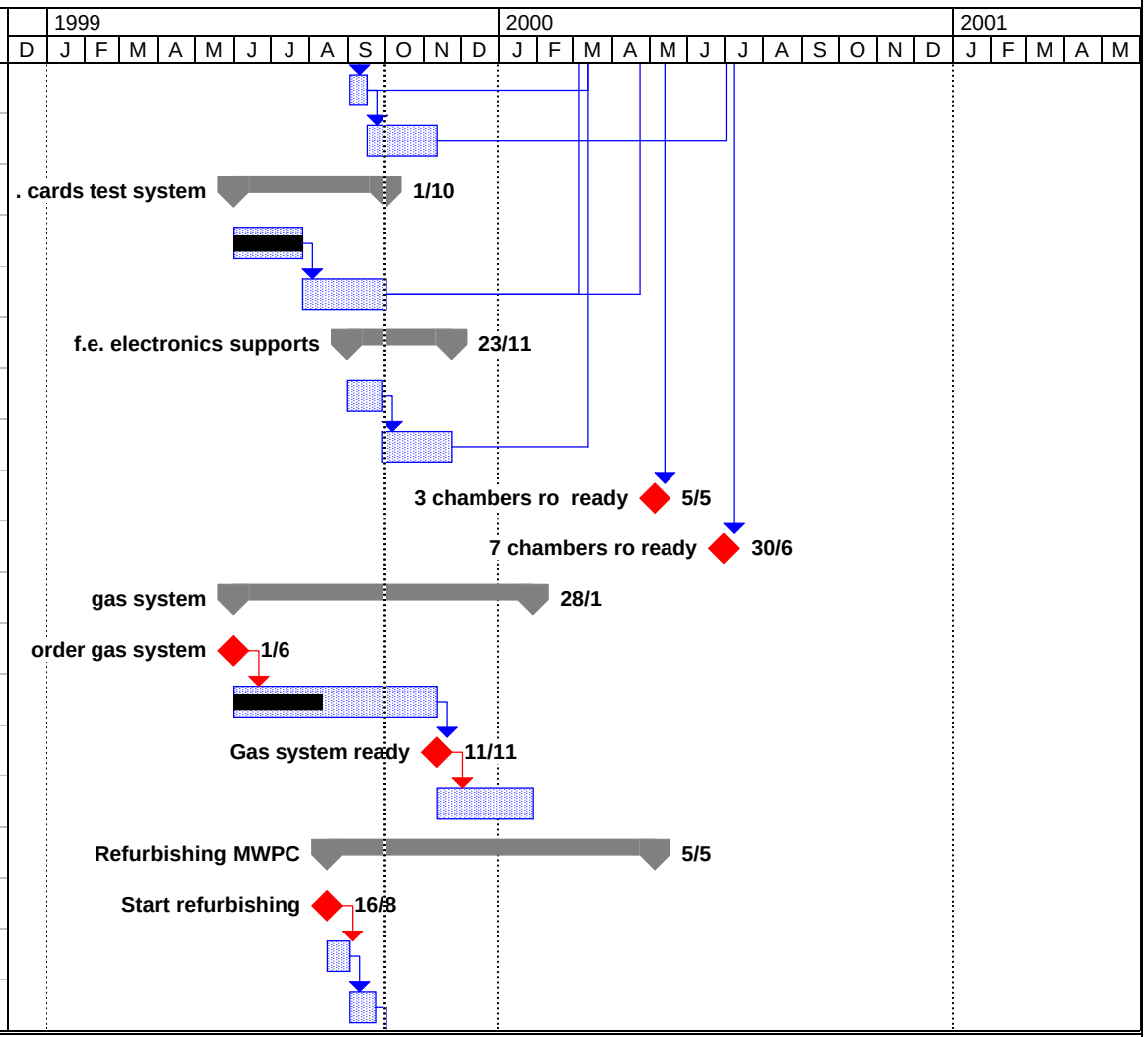
Task		Summary		Rolled Up Progress	
Split		Rolled Up Task		External Tasks	
Progress		Rolled Up Split		Project Summary	
Milestone		Rolled Up Milestone			

Compass Spectrometer / CERN

Thu 30/9/99

ID		Task Name	Duration	Start
34		prototype assembly (1ch	2 wks	Fri 3/9/99
35		order + full delivery	8 wks	Fri 17/9/99
36		f.e. cards test system	80 days	Tue 1/6/99
37	✓	design & costr. VME boa	8 wks	Tue 1/6/99
38		OS9+PAW test software	8 wks	Tue 27/7/99
39		f.e. electronics supports	60 days	Wed 1/9/99
40		design	4 wks	Wed 1/9/99
41		construction	8 wks	Wed 29/9/99
42		3 chambers ro ready	0 days	Fri 5/5/00
43		7 chambers ro ready	0 days	Fri 30/6/00
44		gas system	154 days	Tue 1/6/99
45	✓	order gas system	0 days	Tue 1/6/99
46		productiom	109 days	Tue 1/6/99
47		Gas system ready	0 days	Thu 11/11/99
48		installations	9 wks	Fri 12/11/99
49		Refurbishing MWPC	175 days	Mon 16/8/99
50		Start refurbishing	0 days	Mon 16/8/99
51		finish 1 chamber	2 wks	Mon 16/8/99
52		chamber 2	3 wks	Fri 3/9/99



Project: Compass Spectrometer
Date: Mon 2/8/99
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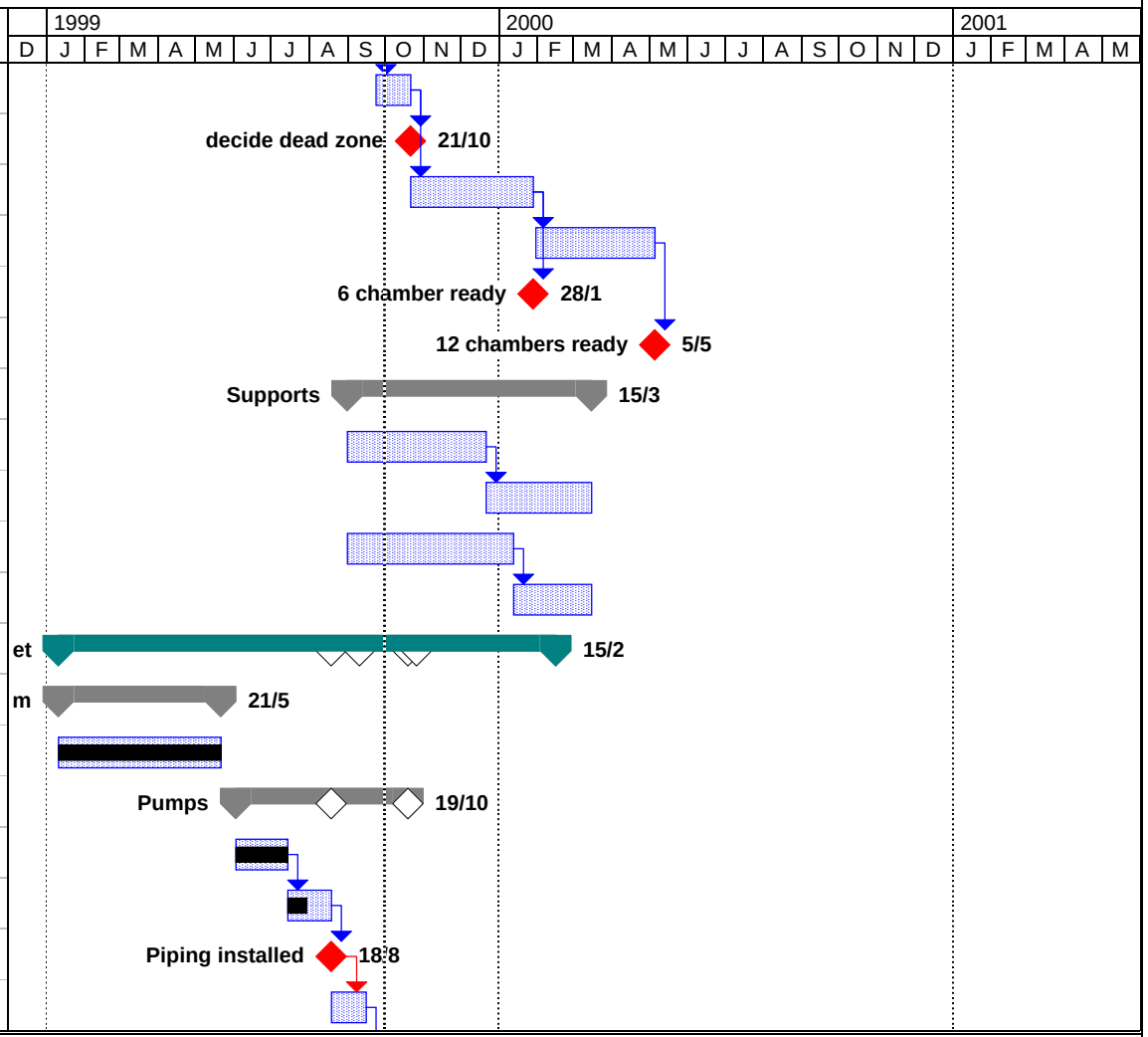
Task		Summary		Rolled Up Progress	
Split		Rolled Up Task		External Tasks	
Progress		Rolled Up Split		Project Summary	
Milestone		Rolled Up Milestone			

Compass Spectrometer / CERN

Thu 30/9/99

ID	Task Name	Duration	Start
53	test beam	4 wks	Fri 24/9/99
54	decide dead zone	0 days	Thu 21/10/99
55	refurbishing (4 ch)	12 wks	Fri 22/10/99
56	refurbishing (6 ch)	14 wks	Mon 31/1/00
57	6 chamber ready	0 days	Fri 28/1/00
58	12 chambers ready	0 days	Fri 5/5/00
59	Supports	130 days	Wed 1/9/99
60	support design	80 days	Wed 1/9/99
61	support production	10 wks	Wed 22/12/99
62	allignment system design	17 wks	Wed 1/9/99
63	alignment system production	9 wks	Thu 13/1/00
16	**Polarised target**	**272 days**	**Mon 11/1/99**
1	Platform	95 days	Mon 11/1/99
2	Platform	19 wks	Mon 11/1/99
3	Pumps	99 days	Thu 3/6/99
4	Planning pumping system	6 wks	Thu 3/6/99
5	Construction & leaktesting	25 days	Thu 15/7/99
6	Piping installed	0 days	Wed 18/8/99
7	Electrical cabling of pumps	20 days	Thu 19/8/99



Project: Compass Spectrometer
Date: Mon 2/8/99
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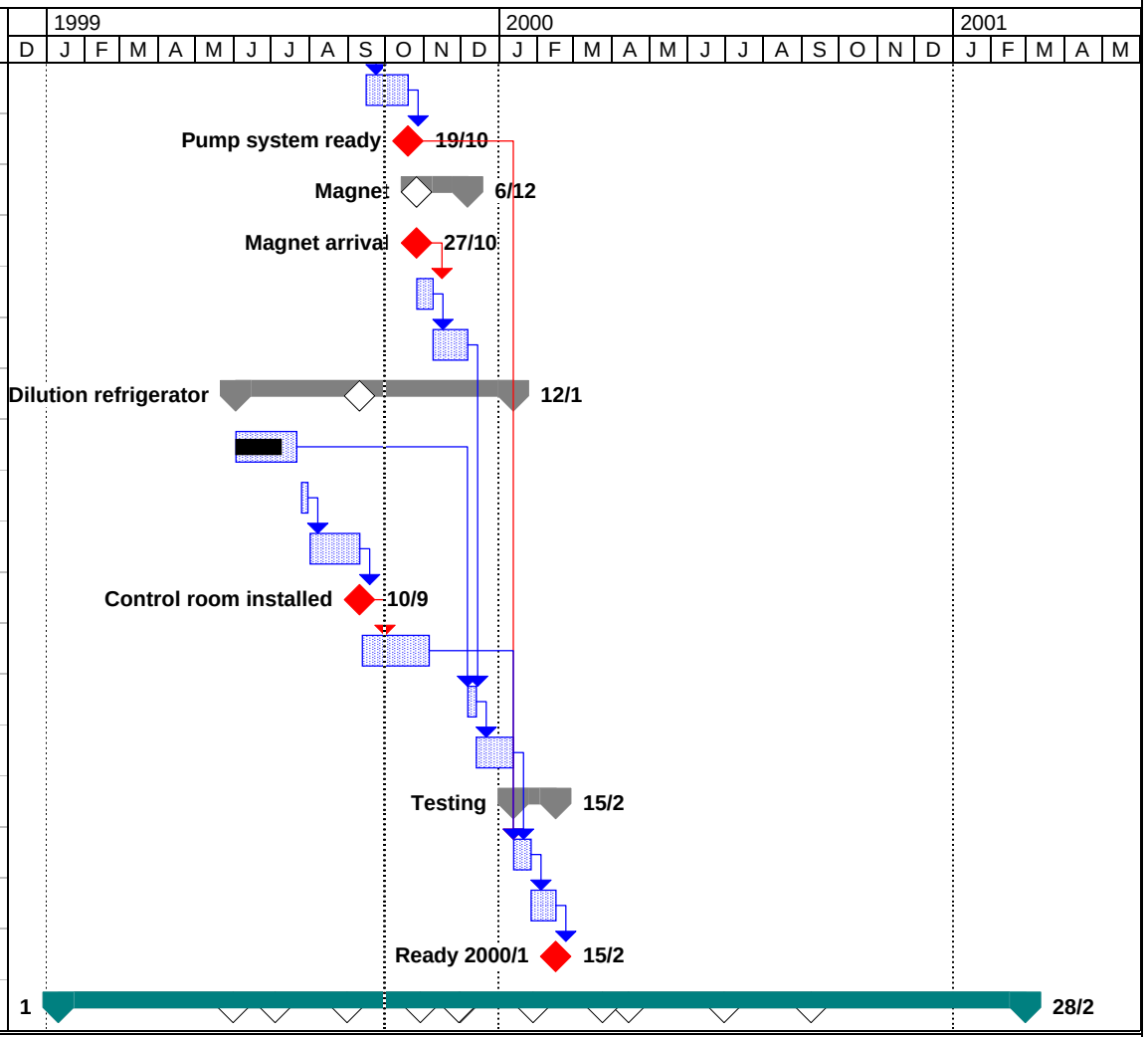
Task		Summary		Rolled Up Progress	
Split		Rolled Up Task		External Tasks	
Progress		Rolled Up Split		Project Summary	
Milestone		Rolled Up Milestone			

Compass Spectrometer / CERN

Thu 30/9/99

ID		Task Name	Duration	Start
8		Vacuum connections of pump	24 days	Thu 16/9/99
9		Pump system ready	0 days	Tue 19/10/99
10		Magnet	29 days	Wed 27/10/99
11		Magnet arrival	0 days	Wed 27/10/99
12		Setup of Magnet	9 days	Wed 27/10/99
13		Magnet Test	4 wks	Tue 9/11/99
14		Dilution refrigerator	145 days	Thu 3/6/99
15		Building target Holder	35 days	Thu 3/6/99
16		Control room racks	5 days	Mon 26/7/99
17		Target Cabling	30 days	Mon 2/8/99
18		Control room installed	0 days	Fri 10/9/99
19		Control Software	40 days	Mon 13/9/99
20		Installing cryostat	5 days	Tue 7/12/99
21		Cryostat cabling	7 days	Tue 14/12/99
22		Testing	24 days	Thu 13/1/00
23		Cryo test	10 days	Thu 13/1/00
24		Test with material	14 days	Thu 27/1/00
25		Ready 2000/1	0 days	Tue 15/2/00
17		**Rich1**	**528 days**	**Mon 11/1/99**



Project: Compass Spectrometer
Date: Mon 2/8/99
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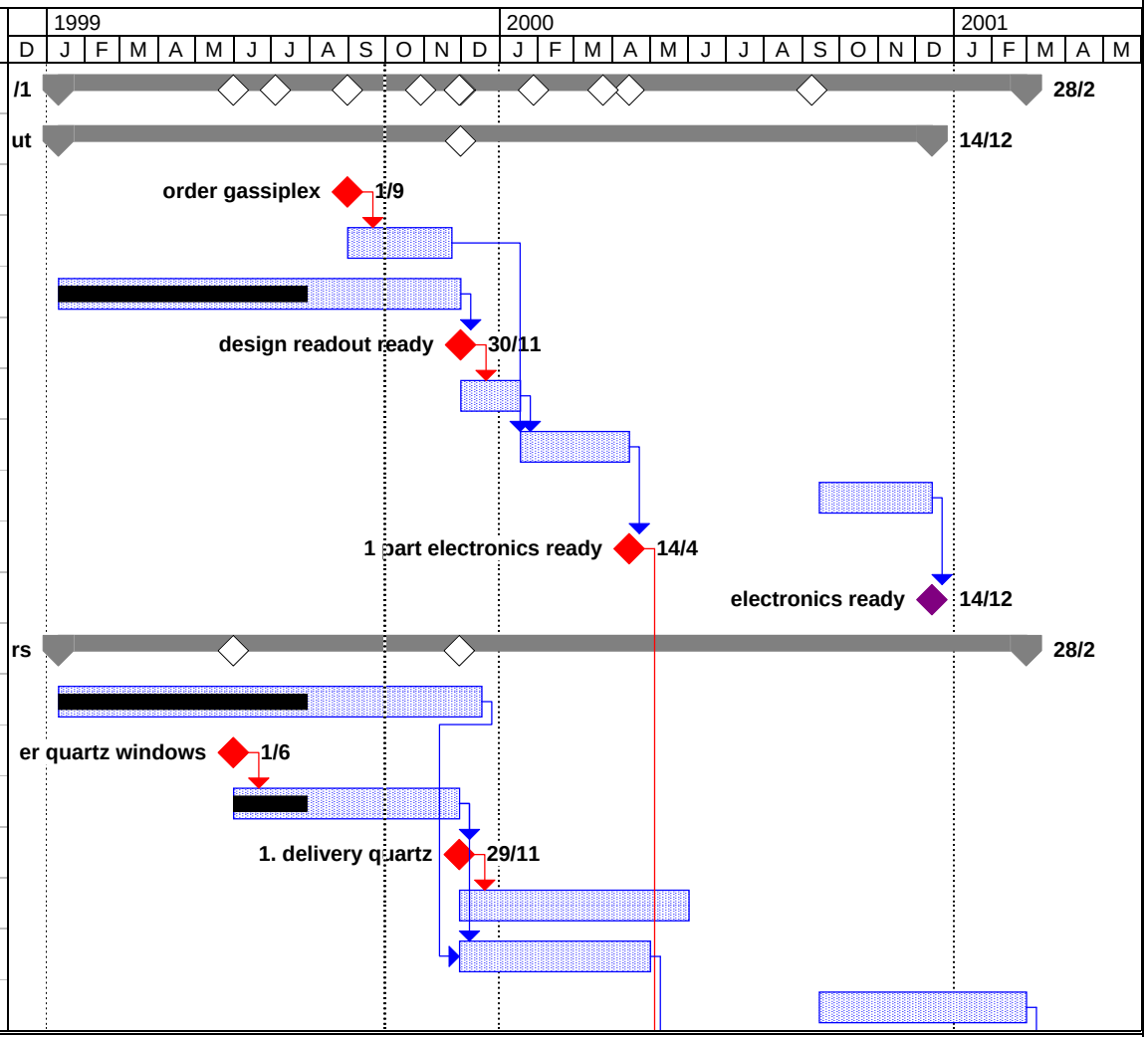
Task		Summary		Rolled Up Progress	
Split		Rolled Up Task		External Tasks	
Progress		Rolled Up Split		Project Summary	
Milestone		Rolled Up Milestone			

Compass Spectrometer / CERN

Thu 30/9/99

ID	Task Name	Duration	Start
1	Rich 2000/1	528 days	Mon 11/1/99
2	Readout	489 days	Mon 11/1/99
3	order gassiplex	0 days	Wed 1/9/99
4	gassiplex production	12 wks	Wed 1/9/99
5	Design & tests	232 days	Mon 11/1/99
6	design readout ready	0 days	Tue 30/11/99
7	PCB 1 part	19 days	Wed 1/12/99
8	construction & debug 1 p	64 days	Tue 18/1/00
9	construction & debug 2 h	13 wks	Fri 15/9/00
10	1 part electronics ready	0 days	Fri 14/4/00
11	electronics ready	0 days	Thu 14/12/00
12	Photon detectors	528 days	Mon 11/1/99
13	construction	245 days	Mon 11/1/99
14	order quartz windows	0 days	Tue 1/6/99
15	quartz windows 1 half	26 wks	Tue 1/6/99
16	1. delivery quartz	0 days	Mon 29/11/99
17	quartz windows 2 half	118 days	Tue 30/11/99
18	chamber assembly 1 hal	19 wks	Tue 30/11/99
19	chamber assembly 2 hal	104 days	Fri 15/9/00



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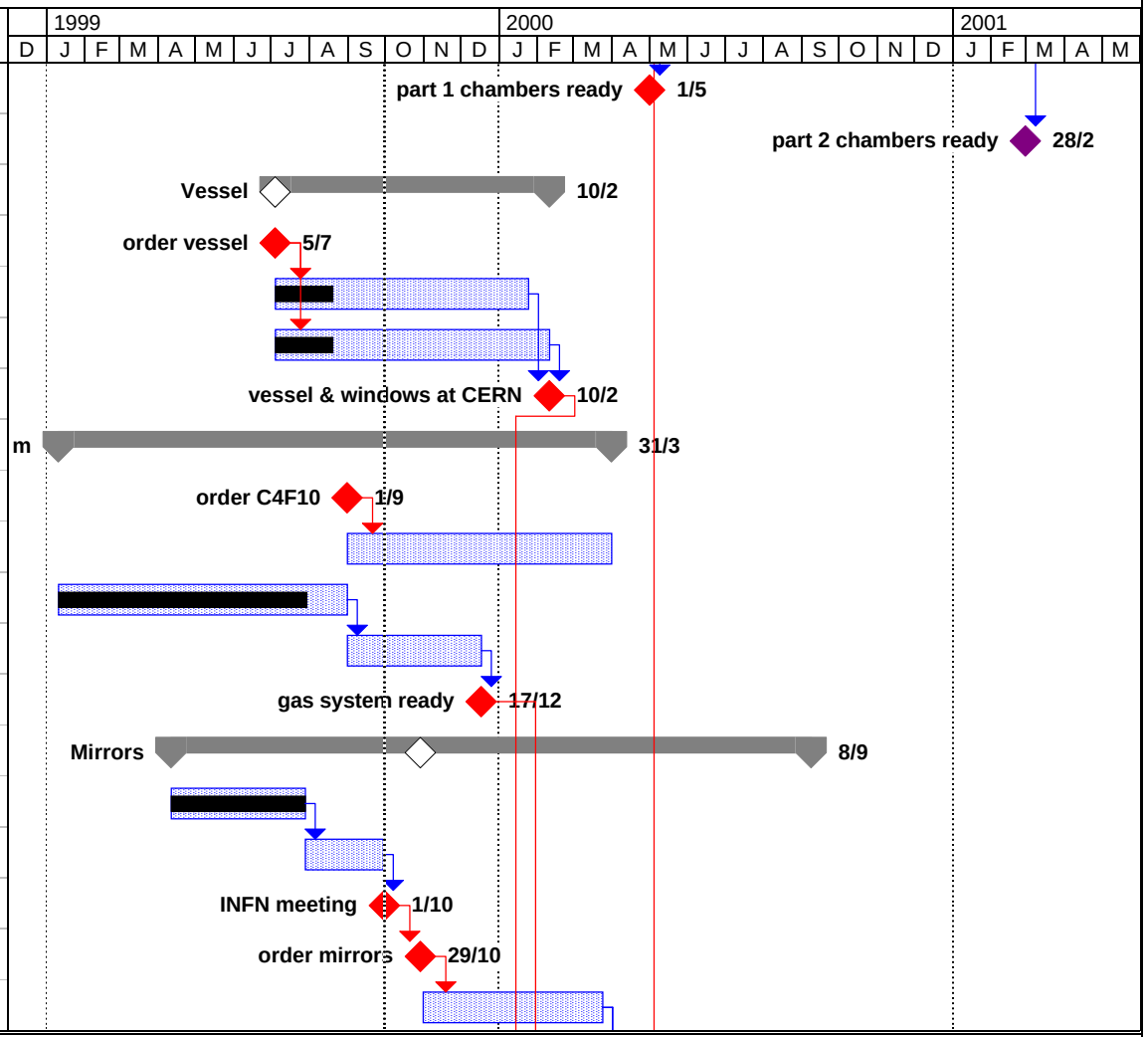
Task		Summary		Rolled Up Progress	
Split		Rolled Up Task		External Tasks	
Progress		Rolled Up Split		Project Summary	
Milestone		Rolled Up Milestone			

Compass Spectrometer / CERN

Thu 30/9/99

ID	Task Name	Duration	Start
20	part 1 chambers ready	0 days	Mon 1/5/00
21	part 2 chambers ready	0 days	Wed 28/2/01
22	Vessel	144 days	Mon 5/7/99
23	order vessel	0 days	Mon 5/7/99
24	construction vessel	131 days	Mon 5/7/99
25	construction windows	144 days	Mon 5/7/99
26	vessel & windows at CE	0 days	Thu 10/2/00
27	Gas system	305 days	Mon 11/1/99
28	order C4F10	0 days	Wed 1/9/99
29	C4F10	138 days	Wed 1/9/99
30	construction	167 days	Mon 11/1/99
31	commissioning	78 days	Wed 1/9/99
32	gas system ready	0 days	Fri 17/12/99
33	Mirrors	355 days	Mon 12/4/99
34	call for tender	78 days	Mon 12/4/99
35	select company	9 wks	Thu 29/7/99
36	INFN meeting	0 days	Fri 1/10/99
37	order mirrors	0 days	Fri 29/10/99
38	construction 1 part	18 wks	Mon 1/11/99



Project: Compass Spectrometer
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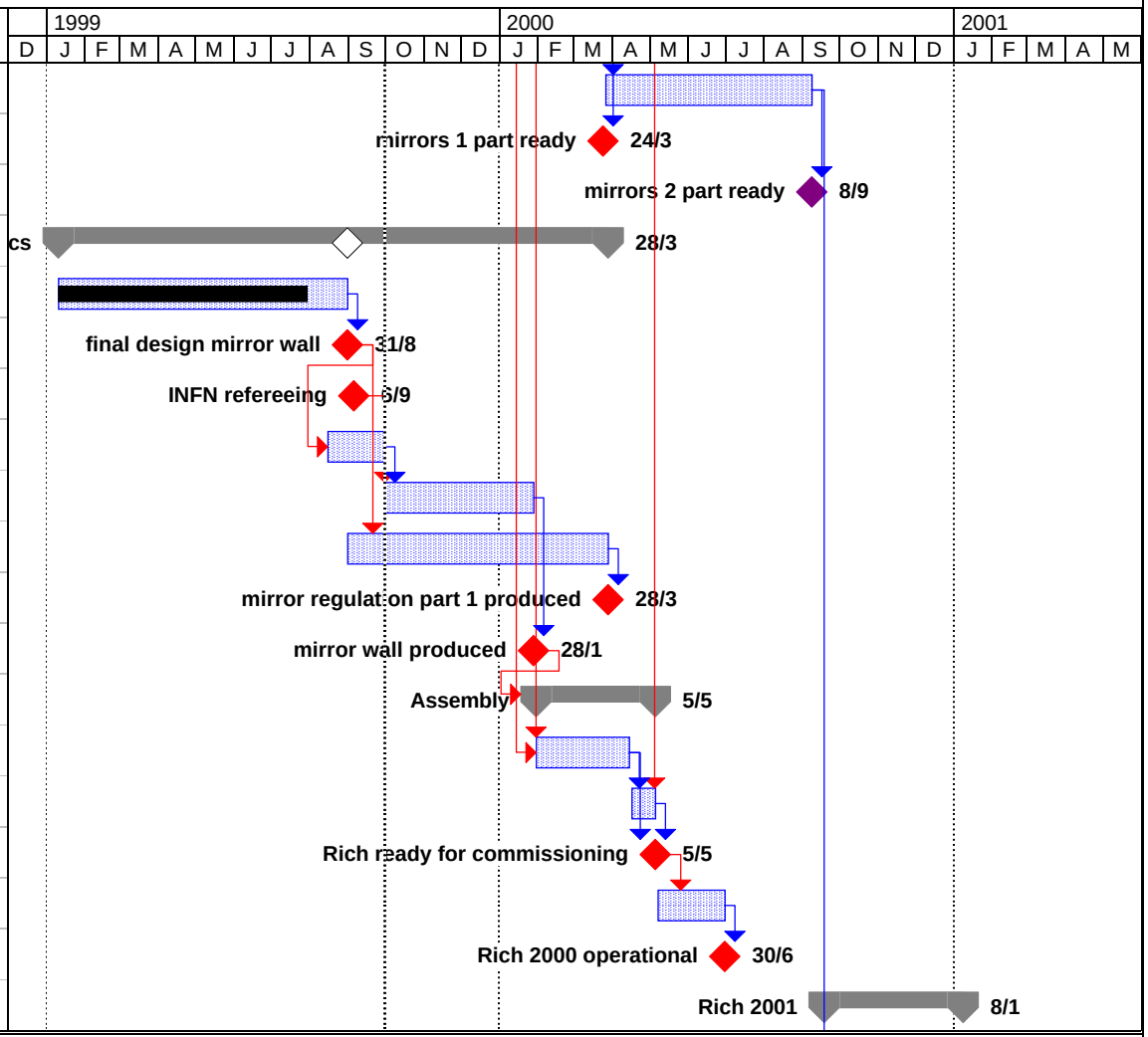
Task		Summary		Rolled Up Progress	
Split		Rolled Up Task		External Tasks	
Progress		Rolled Up Split		Project Summary	
Milestone		Rolled Up Milestone			

Compass Spectrometer / CERN

Thu 30/9/99

ID	Task Name	Duration	Start
39	construction 2 half	24 wks	Mon 27/3/00
40	mirrors 1 part ready	0 days	Fri 24/3/00
41	mirrors 2 part ready	0 days	Fri 8/9/00
42	Mirror mechanics	302 days	Mon 11/1/99
43	mirror wall design	167 days	Mon 11/1/99
44	final design mirror wall	0 days	Tue 31/8/99
45	INFN refereeing	0 days	Mon 6/9/99
46	tender for mirror wall	34 days	Mon 16/8/99
47	production mirror wall	71 days	Fri 1/10/99
48	mirror regulation	27 wks	Wed 1/9/99
49	mirror regulation part 1 produ	0 days	Tue 28/3/00
50	mirror wall produced	0 days	Fri 28/1/00
51	Assembly	70 days	Mon 31/1/00
52	vessel and mirror wall as	11 wks	Mon 31/1/00
53	mount mirrors part 1	3 wks	Mon 17/4/00
54	Rich ready for commissioning	0 days	Fri 5/5/00
55	gas purification and comissioning	8 wks	Mon 8/5/00
56	Rich 2000 operational	0 days	Fri 30/6/00
57	Rich 2001	65 days	Mon 18/9/00



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Task		Summary		Rolled Up Progress	
Split		Rolled Up Task		External Tasks	
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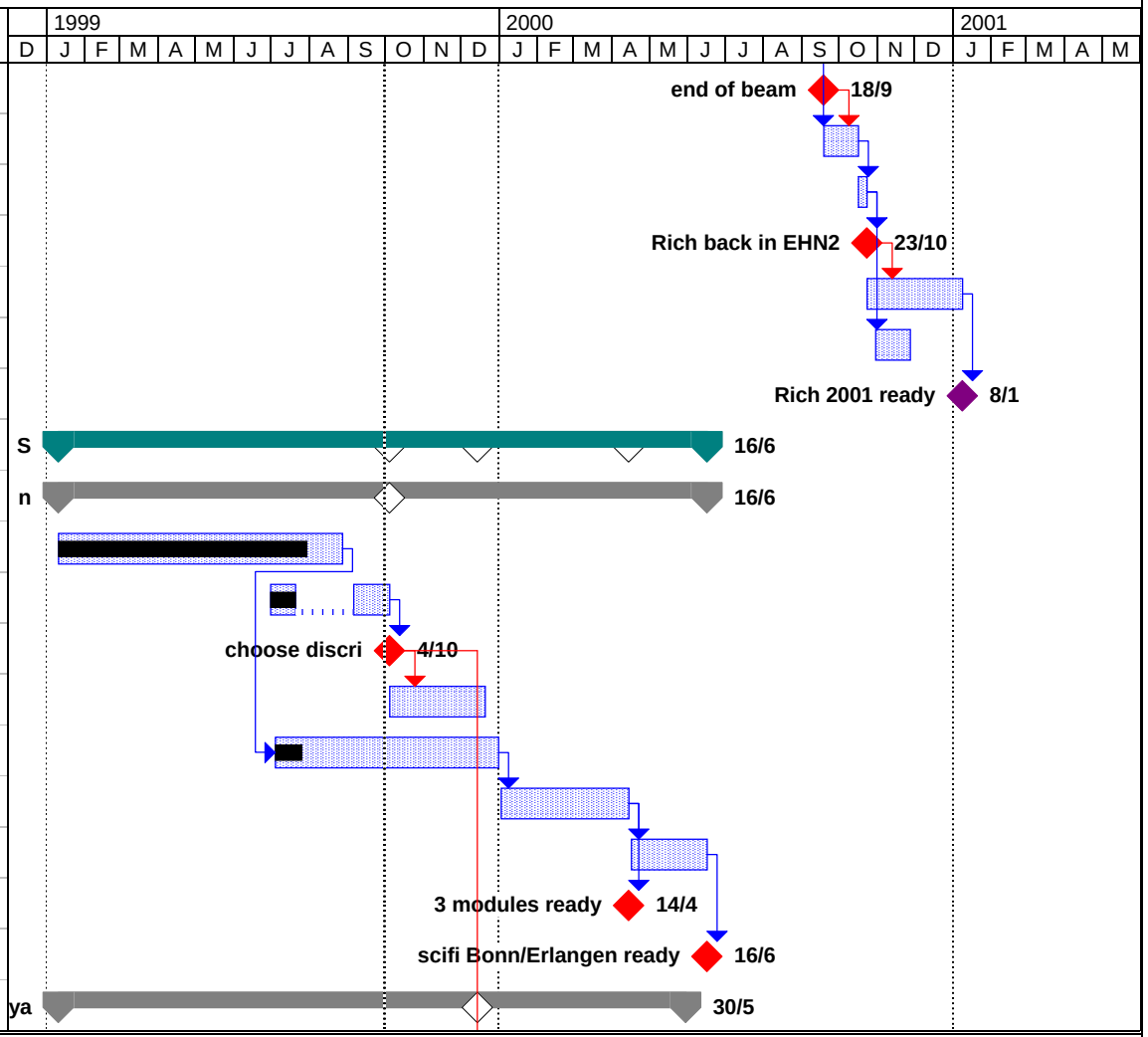
Milestone		Rolled Up Milestone			

Compass Spectrometer / CERN

Thu 30/9/99

ID	Task Name	Duration	Start
58	end of beam	0 days	Mon 18/9/00
59	mirror assembly 2 half	4 wks	Tue 19/9/00
60	2nd Assembly	1 wk	Tue 17/10/00
61	Rich back in EHN2	0 days	Mon 23/10/00
62	gas purification and comissio	8 wks	Tue 24/10/00
63	tent	4 wks	Tue 31/10/00
64	Rich 2001 ready	0 days	Mon 8/1/01
18	**Scintillating fibre hodoscopes / COM**	**375 days**	**Mon 11/1/99**
1	Bonn / Erlangen	375 days	Mon 11/1/99
2	R & D	33 wks	Mon 11/1/99
3	Beam test M2	7 wks	Thu 1/7/99
4	choose discri	0 days	Mon 4/10/99
5	produce discriminators	11 wks	Tue 5/10/99
6	production module 1	26 wks	Mon 5/7/99
7	production module 2&3	15 wks	Mon 3/1/00
8	last module	9 wks	Mon 17/4/00
9	3 modules ready	0 days	Fri 14/4/00
10	scifi Bonn/Erlangen ready	0 days	Fri 16/6/00
11	Nagoya	362 days	Mon 11/1/99



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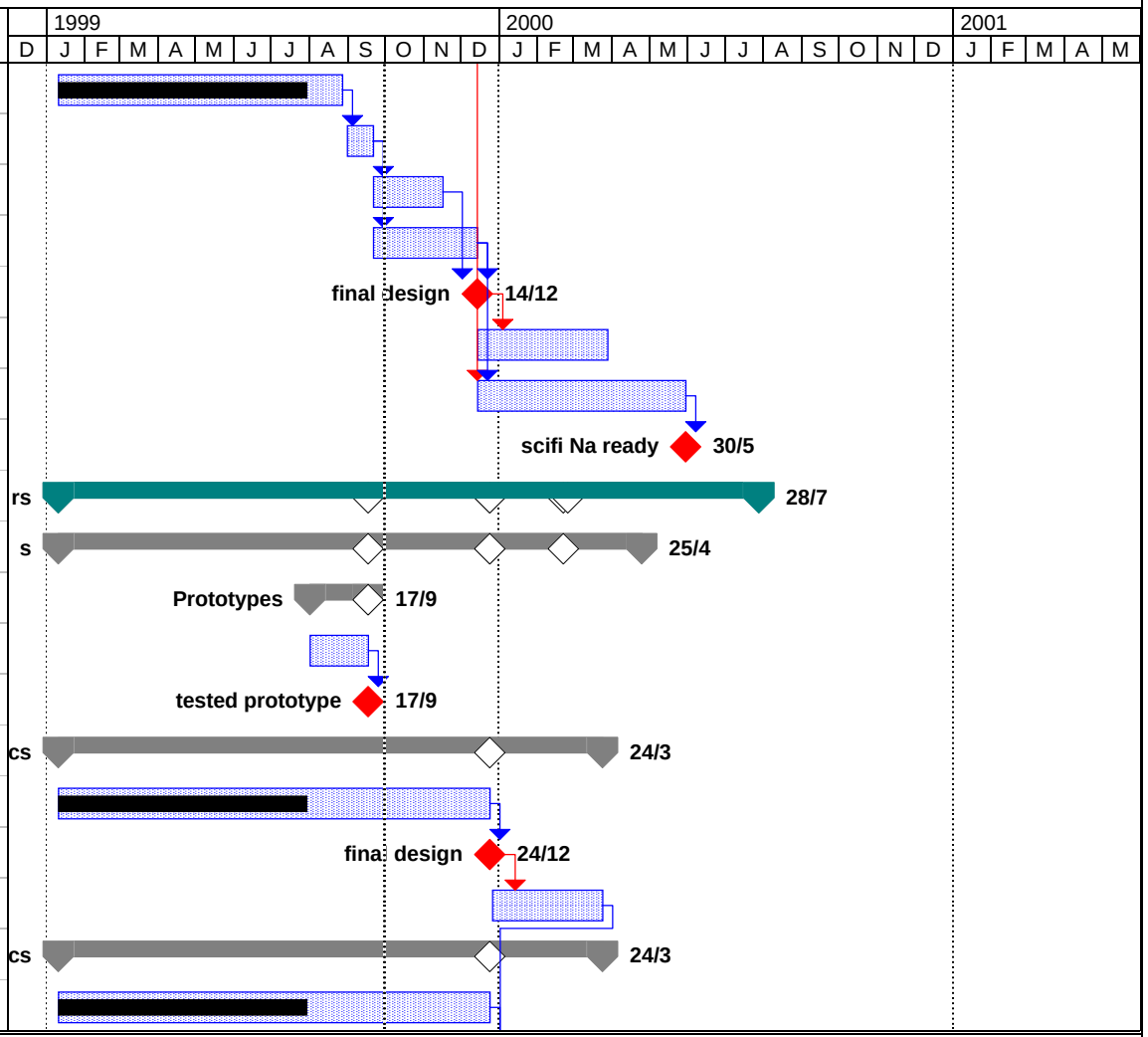
Task		Summary		Rolled Up Progress	
Split		Rolled Up Task		External Tasks	
Progress		Rolled Up Split		Project Summary	
Milestone		Rolled Up Milestone			

Compass Spectrometer / CERN

Thu 30/9/99

ID	Task Name	Duration	Start
12	R & D	33 wks	Mon 11/1/99
13	Beam test M2	3 wks	Wed 1/9/99
14	final design hodos	8 wks	Wed 22/9/99
15	final design discri	12 wks	Wed 22/9/99
16	final design	0 days	Tue 14/12/99
17	production hodos	15 wks	Wed 15/12/99
18	production discri	24 wks	Wed 15/12/99
19	scifi Na ready	0 days	Tue 30/5/00
19	**Silicon detectors**	**405 days**	**Mon 11/1/99**
1	beam stations	336.25 days	Mon 11/1/99
2	Prototypes	35 days	Mon 2/8/99
3	Protoype tests	7 wks	Mon 2/8/99
4	tested prototype	0 days	Fri 17/9/99
5	Mechanics	315 days	Mon 11/1/99
6	design	50 wks	Mon 11/1/99
7	final design	0 days	Fri 24/12/99
8	construction	13 wks	Mon 27/12/99
9	Electronics	315 days	Mon 11/1/99
10	design	50 wks	Mon 11/1/99



Project: Compass Spectrometer
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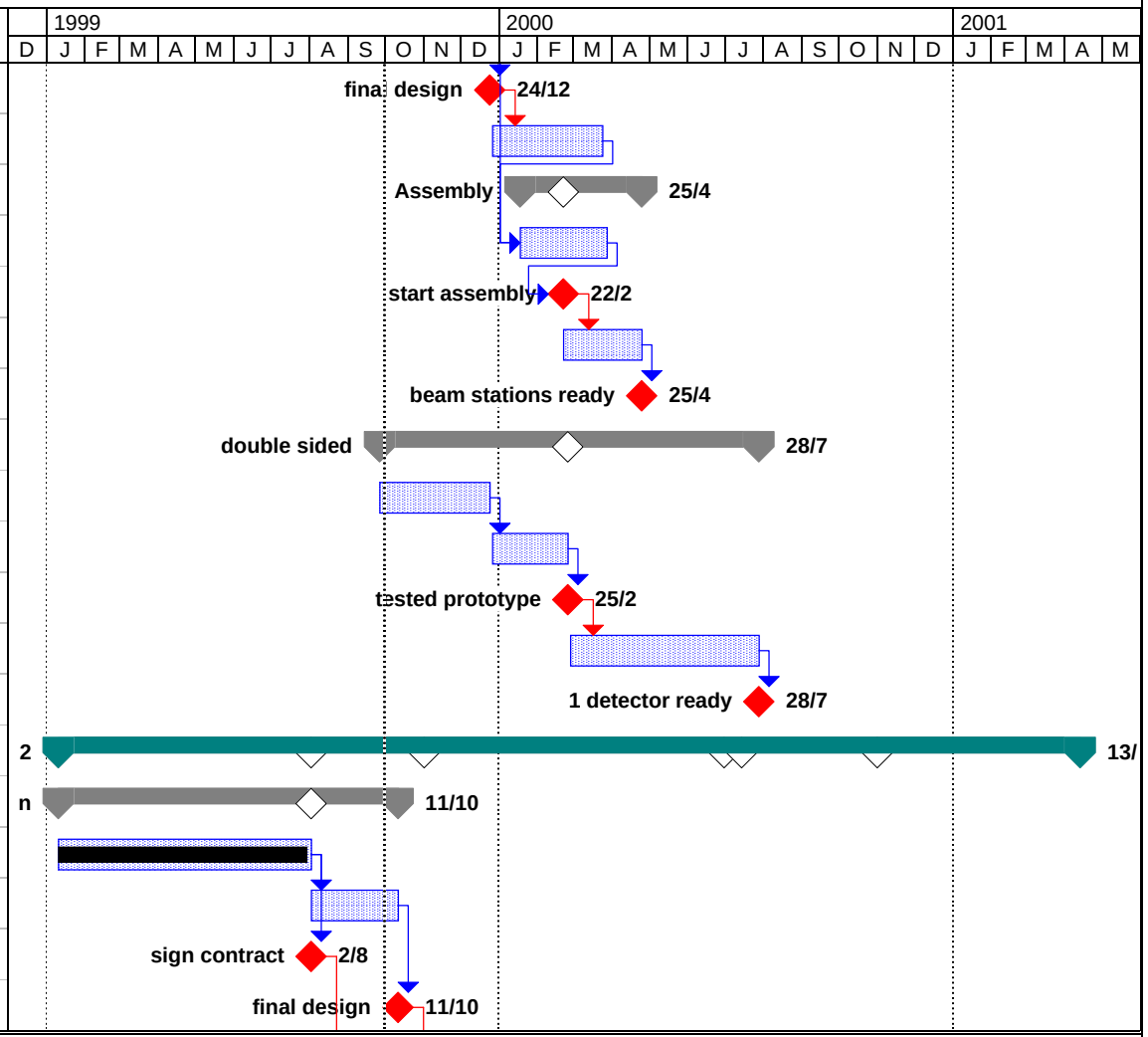
Task		Summary		Rolled Up Progress	
Split		Rolled Up Task		External Tasks	
Progress		Rolled Up Split		Project Summary	
Milestone		Rolled Up Milestone			

Compass Spectrometer / CERN

Thu 30/9/99

ID	Task Name	Duration	Start
11	final design	0 days	Fri 24/12/99
12	construction	13 wks	Mon 27/12/99
13	Assembly	70 days	Tue 18/1/00
14	bonding	10 wks	Tue 18/1/00
15	start assembly	0 days	Tue 22/2/00
16	assembly	9 wks	Tue 22/2/00
17	beam stations ready	0 days	Tue 25/4/00
18	double sided	220 days	Mon 27/9/99
19	development of boards	13 wks	Mon 27/9/99
20	tests	9 wks	Mon 27/12/99
21	tested prototype	0 days	Fri 25/2/00
22	construction	22 wks	Mon 28/2/00
23	1 detector ready	0 days	Fri 28/7/00
20	**Straws TS2**	**579 days**	**Mon 11/1/99**
1	Design	196 days	Mon 11/1/99
2	Predesign	146 days	Mon 11/1/99
3	final design	10 wks	Tue 3/8/99
4	sign contract	0 days	Mon 2/8/99
5	final design	0 days	Mon 11/10/99



Project: Compass Spectrometer
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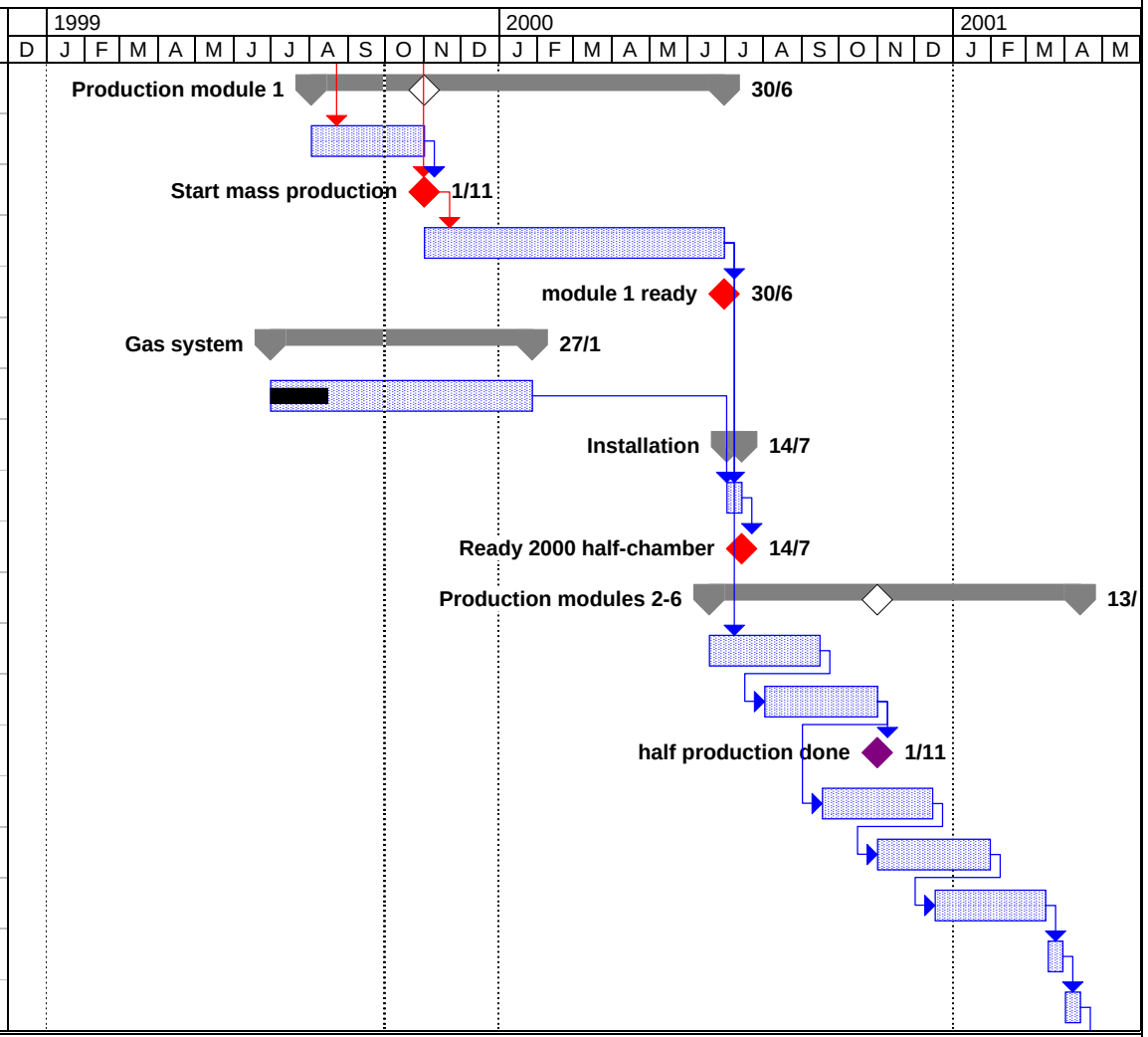
Task	Summary	Rolled Up Progress	
Split	Rolled Up Task	External Tasks	
Progress	Rolled Up Split	Project Summary	
Milestone	Rolled Up Milestone		

Compass Spectrometer / CERN

Thu 30/9/99

ID	Task Name	Duration	Start
6	Production module 1	228 days	Tue 3/8/99
7	production set-up	13 wks	Tue 3/8/99
8	Start mass production	0 days	Mon 1/11/99
9	module 1	163 days	Tue 2/11/99
10	module 1 ready	0 days	Fri 30/6/00
11	Gas system	140 days	Thu 1/7/99
12	Gas and HV	28 wks	Thu 1/7/99
13	Installation	10 days	Mon 3/7/00
14	Installation	2 wks	Mon 3/7/00
15	Ready 2000 half-chamber	0 days	Fri 14/7/00
16	Production modules 2-6	215 days	Mon 19/6/00
17	module 2	13 wks	Mon 19/6/00
18	module 3	13 wks	Wed 2/8/00
19	half production done	0 days	Wed 1/11/00
20	module 4	13 wks	Mon 18/9/00
21	module 5	13 wks	Wed 1/11/00
22	module 6	13 wks	Mon 18/12/00
23	delivery	2 wks	Mon 19/3/01
24	Installation	2 wks	Mon 2/4/01



Project: Compass Spectrometer
Date: Mon 2/8/99
Co-ordinator: Gerhard Mallot /CERN

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

Compass Spectrometer / CERN

Thu 30/9/99

ID		Task Name	Duration	Start
25		Ready 2001	0 days	Fri 13/4/01

1999: D J F M A M J J A S O N D
2000: J F M A M J J A S O N D
2001: J F M A M

Ready 2001 13/

Project: Compass Spectrometer
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Task
Split
Progress
Milestone
Summary
Rolled Up Task
Rolled Up Split
Rolled Up Milestone
Rolled Up Progress
External Tasks
Project Summary