Run IIb Schedule Status

- Schedule Status
- COBRA Issues
- Summary

Overview of Director's Milestones

L2/Director's Milestones vs Current Forecast

(Sorted by L2/Director's Baseline Date)

Status date 5/31/03

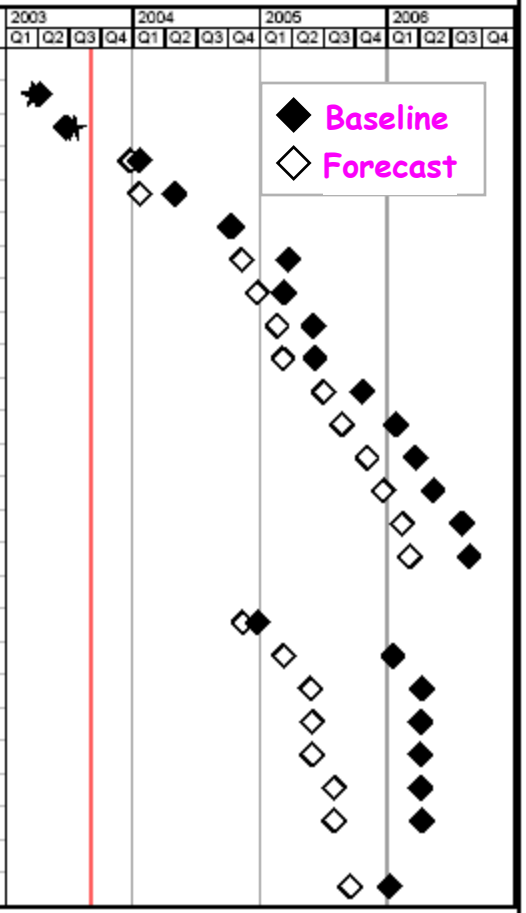
Milestone Description	L2/Director's Baseline (4/03)	Last Month's Forecast (4/03)	This Month's Forecast (5/03)	L2/Director's Variance (work days)	Monthly Variance (work days)	Notes
WBS 1.1 Silicon Tracker						
Silicon Prototype Mechanical Stave Built	01/06/03	12/18/02	12/18/02	(6)	0	Complete
L2-L5 Silicon Sensors Released For Production	03/24/03	04/16/03	04/16/03	17	0	Complete
SVX4 Released For Production	10/20/03	09/25/03	09/25/03	(17)	0	
Successful Readout Of Full Silicon Stave	01/29/04	10/13/03	10/21/03	(62)	6	
Silicon Module Production Begun	07/15/04	06/10/04	07/09/04	(4)	20	
All Silicon Sensors Delivered And Tested	12/09/04	09/23/04	09/23/04	(53)	0	
All SVX4 Chips Produced And Tested	12/21/04	08/09/04	08/09/04	(93)	0	
All Silicon Hybrids Produced And Tested	03/03/05	11/12/04	11/19/04	(64)	5	
Silicon Stave Production Begun	03/08/05	11/29/04	12/06/04	(58)	5	
Silicon Module Production And Testing Complete	07/22/05	03/25/05	04/01/05	(78)	5	
Downstream Silicon Readout Ready for Installation On Platform	10/25/05	05/24/05	05/24/05	(107)	0	
Silicon Stave Production Complete	12/22/05	07/29/05	08/05/05	(96)	5	
South Silicon Complete	02/10/06	08/31/05	09/20/05	(93)	13	
North Silicon Complete	05/04/06	11/07/05	11/14/05	(113)	5	
Silicon Ready To Move To DAB	05/25/06	11/28/05	12/05/05	(115)	5	
WBS 1.2 Trigger						
L1 Trigger Cal-Trk Match Production and Testing Completed	09/23/04	08/12/04	08/12/04	-29	0	
L2 Silicon Track Trigger Production and Testing Complete	10/17/05	12/08/04	12/08/04	-212	0	
L1 Calorimeter Trigger Production And Testing Complete	01/05/06	05/31/05	05/02/05	-166	(20)	
L2 Beta Trigger Production And Testing Complete	01/05/06	02/28/05	02/28/05	-211	0	
L2 Trigger Upgrade Production and Testing Complete	01/05/06	02/28/05	02/28/05	-211	0	
L1 Central Track Trigger Production And Testing Complete	01/10/06	02/23/05	02/23/05	-217	0	
L1 Trigger Upgrade Production and Testing Complete	01/10/06	05/31/05	05/02/05	-169	(20)	
WBS 1.3 Online/DAQ						
Online System Production and Testing Complete	10/07/05	06/17/05	06/17/05	(78)	0	

Director's Milestones

Run IIb Director's Milestones
Sorted By Forecast Date

Fiscal Year

ID	Name	Forecast	Baseline	Variance
	1.1 Silicon Tracker			
565	Silicon Prototype Mechanical Stave Built	12/18/02	1/6/03	-1.2 w
91	L2-L5 Silicon Sensors Released For Production	4/16/03	3/24/03	3.4 w
138	SVX4 Released For Production	9/25/03	10/20/03	-3.4 w
439	Successful Readout Of Full Silicon Stave	10/21/03	1/29/04	-12.4 w
649	Silicon Module Production Begun	7/9/04	7/15/04	-0.8 w
139	All SVX4 Chips Produced And Tested	8/9/04	12/21/04	-18.6 w
105	All Silicon Sensors Delivered And Tested	9/23/04	12/9/04	-10.6 w
228	All Silicon Hybrids Produced And Tested	11/19/04	3/3/05	-12.8 w
804	Silicon Stave Production Begun	12/6/04	3/8/05	-11.66 w
693	Silicon Module Production And Testing Complete	4/1/05	7/22/05	-15.5 w
415	Downstream Silicon Readout Ready for Installation On Platform	5/24/05	10/25/05	-21.4 w
829	Silicon Stave Production Complete	8/5/05	12/22/05	-19.26 w
903	South Silicon Complete	9/20/05	2/10/06	-18.6 w
928	North Silicon Complete	11/14/05	5/4/06	-22.66 w
931	Silicon Ready To Move To DAB	12/5/05	5/25/06	-23.06 w
	1.2 Trigger			
168	L1 Trigger Cal-Trk Match Production and Testing Completed	8/12/04	9/23/04	-5.8 w
354	L2 Silicon Track Trigger Production and Testing Complete	12/8/04	10/17/05	-42.4 w
227	L1 Central Track Trigger Production And Testing Complete	2/23/05	1/10/06	-43.4 w
270	L2 Beta Trigger Production And Testing Complete	2/28/05	1/5/06	-42.2 w
355	L2 Trigger Upgrade Production and Testing Complete	2/28/05	1/5/06	-42.2 w
112	L1 Calorimeter Trigger Production And Testing Complete	5/2/05	1/5/06	-33.2 w
228	L1 Trigger Upgrade Production and Testing Complete	5/2/05	1/10/06	-33.8 w
	1.3 Online			
154	Online System Production and Testing Complete	6/17/05	10/7/05	-15.6 w



Project: D0 Run IIb Upgrade
Staus Date: 5/31/03
Print Date: 6/26/03

Completed Milestone ★ Current Forecast ◇ Baseline Milestone ◆

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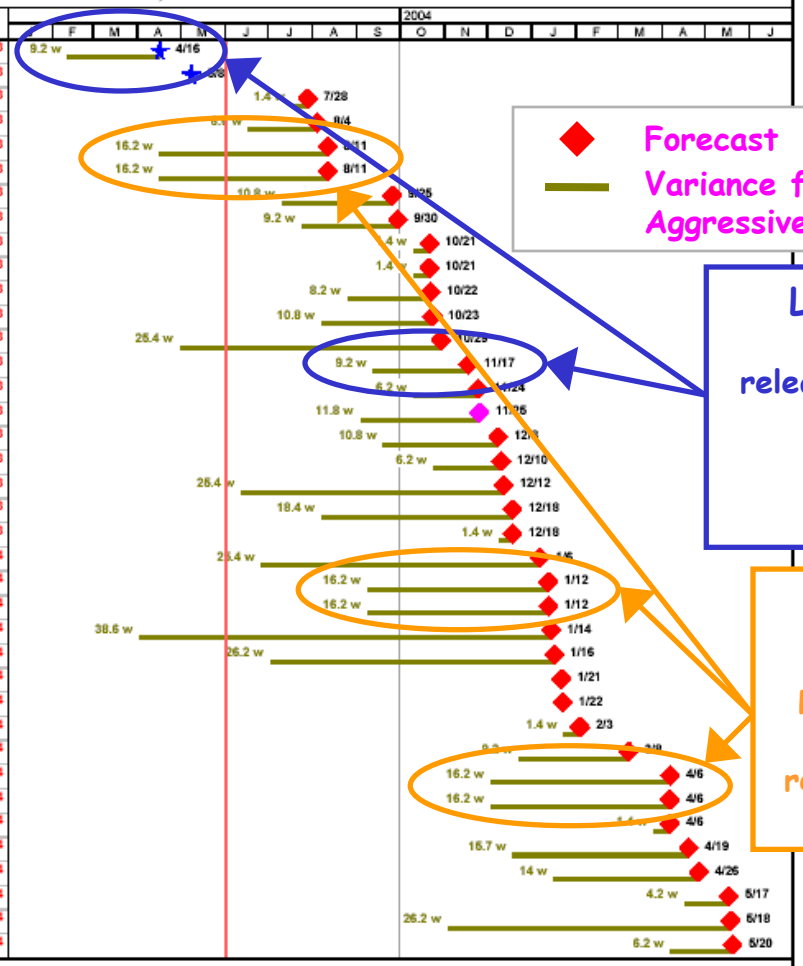
Silicon Milestones - 1 Year Outlook

Run IIb Silicon Milestones
(1 year outlook < 6/1/04)

ID	Name	Aggressive	Forecast
91	L2-L5 Silicon Sensors Released For Production	2/11/03	4/16/03
399	Silicon High-mass Cables Ready	5/8/03	5/8/03
800	Successful Fabrication of an Electrical-grade Pre-production Silicon Stave	7/17/03	7/28/03
846	Silicon Cylinders Released for Production	6/17/03	8/4/03
38	L0 Silicon Sensors Released For Production	4/16/03	8/11/03
70	L1 Silicon Sensors Released For Production	4/16/03	8/11/03
138	SVX4 Released For Production	7/10/03	9/25/03
679	Begin 20cm Gang Production	7/26/03	9/30/03
439	Successful Readout Of Full Silicon Stave	10/10/03	10/21/03
587	Stave Shells For South Silicon Complete	10/10/03	10/21/03
1008	Release Silicon Event Display Package	8/26/03	10/22/03
358	Silicon SASEQ Test Stands Ready	8/7/03	10/23/03
996	Release Silicon Unpacking And Translation Packages	4/30/03	10/29/03
97	25% L2-L5 Silicon Sensors Delivered And Tested	9/12/03	11/17/03
147	Silicon L0 Hybrids Released For Production	10/10/03	11/24/03
225	Silicon L2-L5 Hybrids Released For Production	9/3/03	11/26/03
137	SVX4 Wafers Delivered	9/19/03	12/8/03
250	Silicon L0-L1 Digital Jumper Cables Released For Production	10/24/03	12/10/03
1001	Release Silicon Examine Package	6/12/03	12/12/03
194	Silicon L1 Hybrids Released For Production	8/7/03	12/18/03
590	Stave Shells For North Silicon Complete	12/9/03	12/18/03
451	Successful Readout Of Silicon Single-unit Full-chain	6/26/03	1/6/04
41	1st L0 Silicon Sensor Delivered	9/8/03	1/12/04
71	1st L1 Silicon Sensor Delivered	9/8/03	1/12/04
262	Silicon L2-L5 Digital Jumper Cables Released For Production	4/2/03	1/14/04
237	Silicon L0 Flex Cables Released For Production	7/2/03	1/16/04
970	Temperature Monitoring System Ready To Be Installed	2/4/04	1/21/04
958	Decide On Final Radiation Monitoring System	1/22/04	1/22/04
573	Stave Cores For South Silicon Complete	1/23/04	2/3/04
98	50% L2-L5 Silicon Sensors Delivered And Tested	12/23/03	3/8/04
42	All L0 Silicon Sensors Delivered And Tested	12/3/03	4/6/04
72	All L1 Silicon Sensors Delivered And Tested	12/3/03	4/6/04
577	Stave Cores For North Silicon Complete	3/26/04	4/6/04
503	Silicon Layer 0 South Mechanical Assemblies Complete	12/19/03	4/19/04
413	Silicon HV System Components Ready	1/16/04	4/26/04
515	Silicon Layer 1 South Mechanical Assemblies Complete	4/16/04	5/17/04
1017	Release Silicon Calibration Code Package With Documentation	11/3/03	5/18/04
253	Silicon L0-L1 Digital Jumper Cables Produced And Tested	4/7/04	5/20/04



Project: Run IIb Silicon Schedule
Date: 7/8/03
Staus Date: 5/31/03

Aggressive Variance — Milestone — Critical Milestone — Completed Milestone

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Silicon Milestones - 1 Year Outlook

Run IIb Silicon Milestones
(1 year outlook < 6/1/04)

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138	SVX4 Released For Production	7/10/03	9/26/03
679	Begin 20cm Gang Production	7/26/03	9/30/03
439	Successful Readout Of Full Silicon Stave	10/10/03	10/21/03
587	Stave Shells For South Silicon Complete	10/10/03	10/21/03
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225	Silicon L2-L5 Hybrids Released For Production	9/3/03	11/26/03
137	SVX4 Wafers Delivered	9/19/03	12/8/03
250	Silicon L0-L1 Digital Jumper Cables Released For Production	10/24/03	12/10/03
1001	Release Silicon Examine Package	6/12/03	12/12/03
194	Silicon L1 Hybrids Released For Production	8/7/03	12/18/03
590	Stave Shells For North Silicon Complete	12/9/03	12/18/03
451	Successful Readout Of Silicon Single-unit Full-chain	6/26/03	1/6/04
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71	1st L1 Silicon Sensor Delivered	9/8/03	1/12/04
262	Silicon L2-L5 Digital Jumper Cables Released For Production	4/2/03	1/14/04
237	Silicon L0 Flex Cables Released For Production	7/2/03	1/16/04
970	Temperature Monitoring System Ready To Be Installed	2/4/04	1/21/04
958	Decide On Final Radiation Monitoring System	1/22/04	1/22/04
573	Stave Cores For South Silicon Complete	1/23/04	2/3/04
98	50% L2-L5 Silicon Sensors Delivered And Tested	12/23/03	3/8/04
42	All L0 Silicon Sensors Delivered And Tested	12/3/03	4/6/04
72	All L1 Silicon Sensors Delivered And Tested	12/3/03	4/6/04
577	Stave Cores For North Silicon Complete	3/26/04	4/6/04
503	Silicon Layer 0 South Mechanical Assemblies Complete	12/19/03	4/19/04
413	Silicon HV System Components Ready	1/16/04	4/26/04
515	Silicon Layer 1 South Mechanical Assemblies Complete	4/16/04	5/17/04
1017	Release Silicon Calibration Code Package With Documentation	11/3/03	5/18/04
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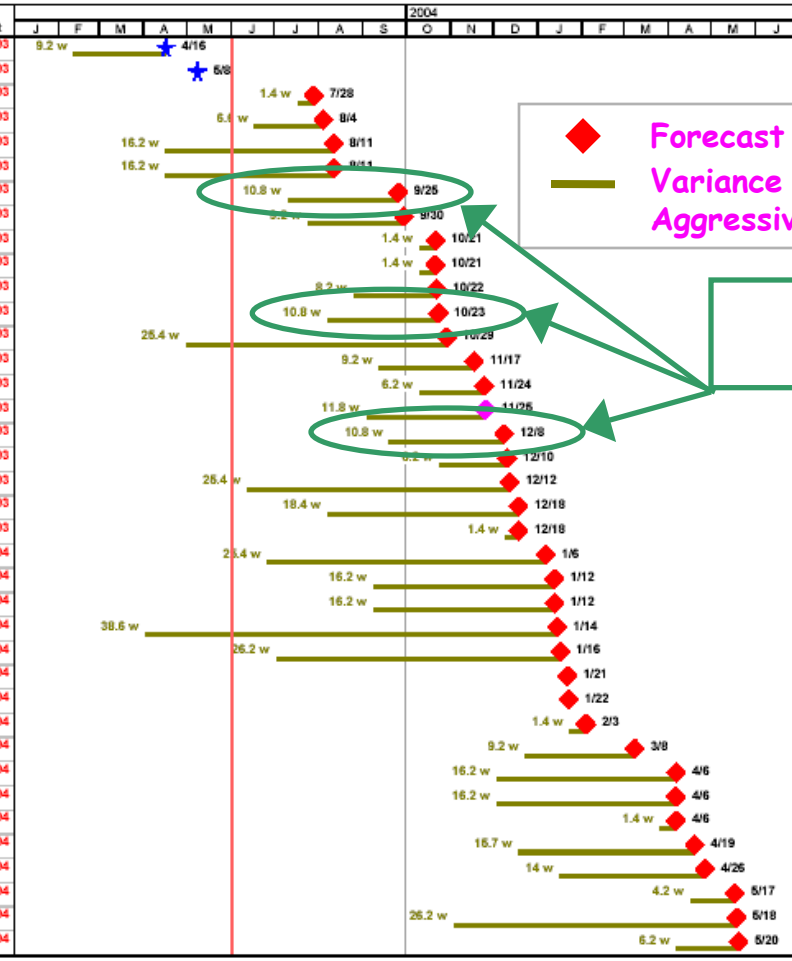

Project: Run IIb Silicon Schedule
Date: 7/8/03
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Aggressive Variance — Milestone — Critical Milestone — Completed Milestone

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Testing going very well; prod. release date may now be earlier than 9/26

Silicon Milestones - 1 Year Outlook

Run IIb Silicon Milestones
(1 year outlook < 6/1/04)

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439	Successful Readout Of Full Silicon Stave	10/10/03	10/21/03
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225	Silicon L2-L5 Hybrids Released For Production	[illegible]	[illegible]
137	SVX4 Wafers Delivered	9/19/03	12/8/03
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1001	Release Silicon Examine Package	6/12/03	12/12/03
194	Silicon L1 Hybrids Released For Production	8/7/03	12/18/03
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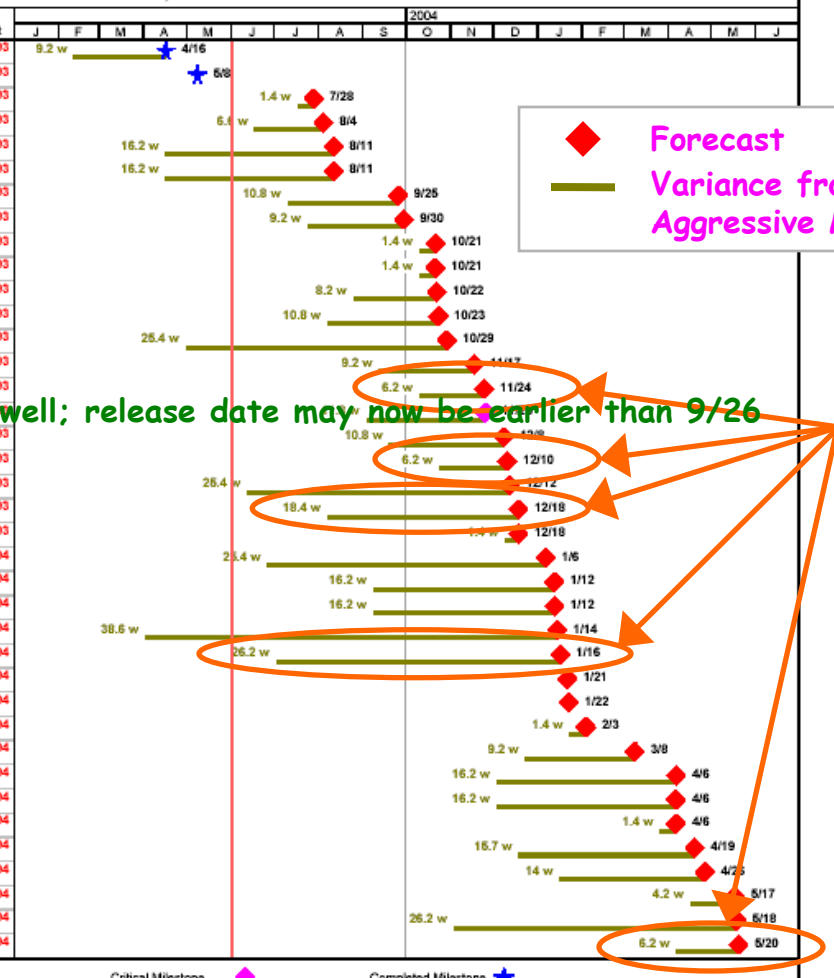

Project: Run IIb Silicon Schedule
Date: 7/8/03
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Aggressive Variance — Milestone — Critical Milestone — Completed Milestone

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Silicon Milestones - 1 Year Outlook

Run IIb Silicon Milestones
(1 year outlook < 6/1/04)

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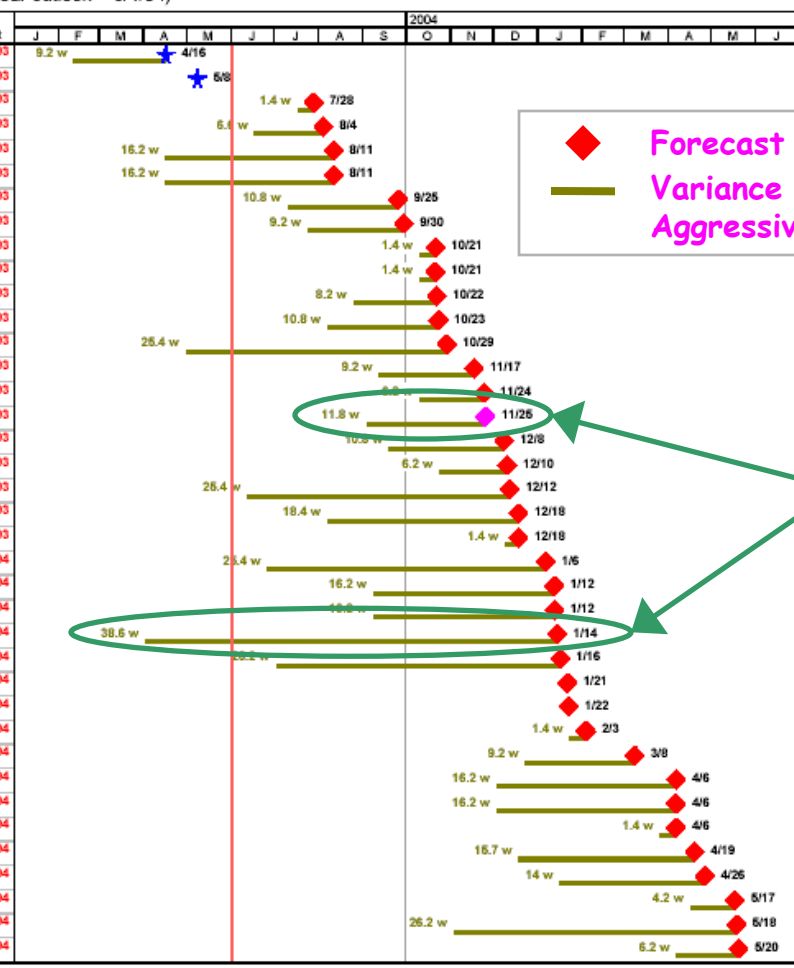

L2/L5 Cables/Hybrids 11.8w

Hybrids on critical path

Project: Run IIb Silicon Schedule
Date: 7/8/03
Staus Date: 5/31/03

Aggressive Variance — Milestone — Critical Milestone — Completed Milestone

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Silicon Milestones - 1 Year Outlook

Run IIb Silicon Milestones
(1 year outlook < 6/1/04)

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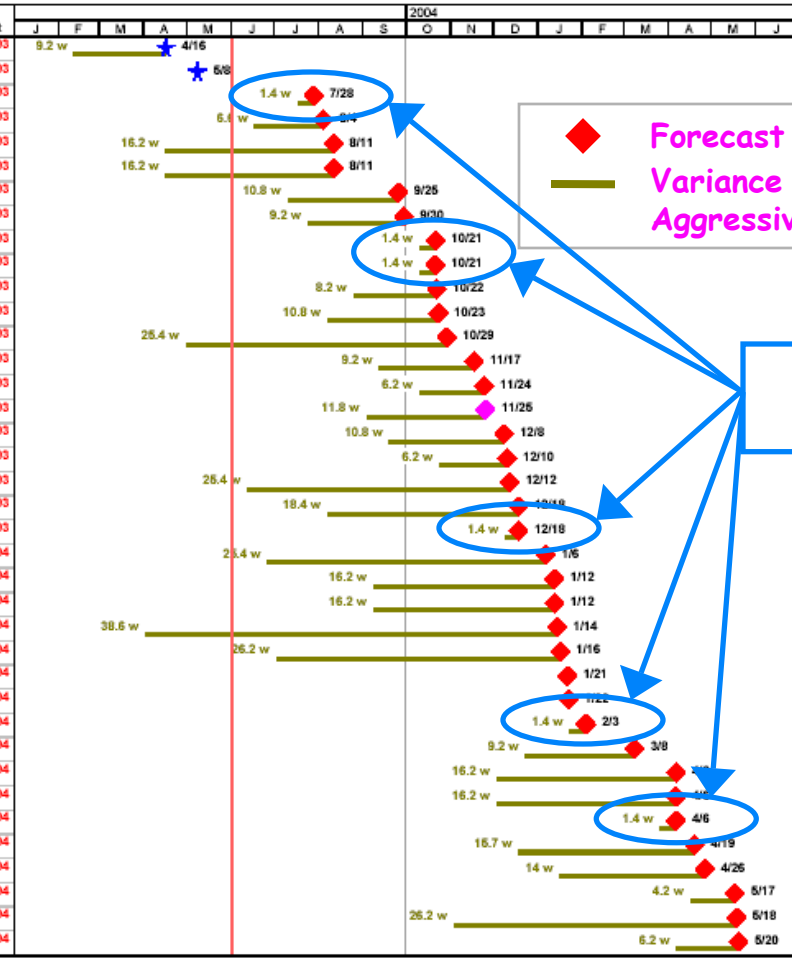

Enter comments

Project: Run IIb Silicon Schedule
Date: 7/8/03
Staus Date: 5/31/03

Aggressive Variance — Milestone — Critical Milestone — Completed Milestone

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Silicon Milestones - 1 Year Outlook

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(1 year outlook < 6/1/04)

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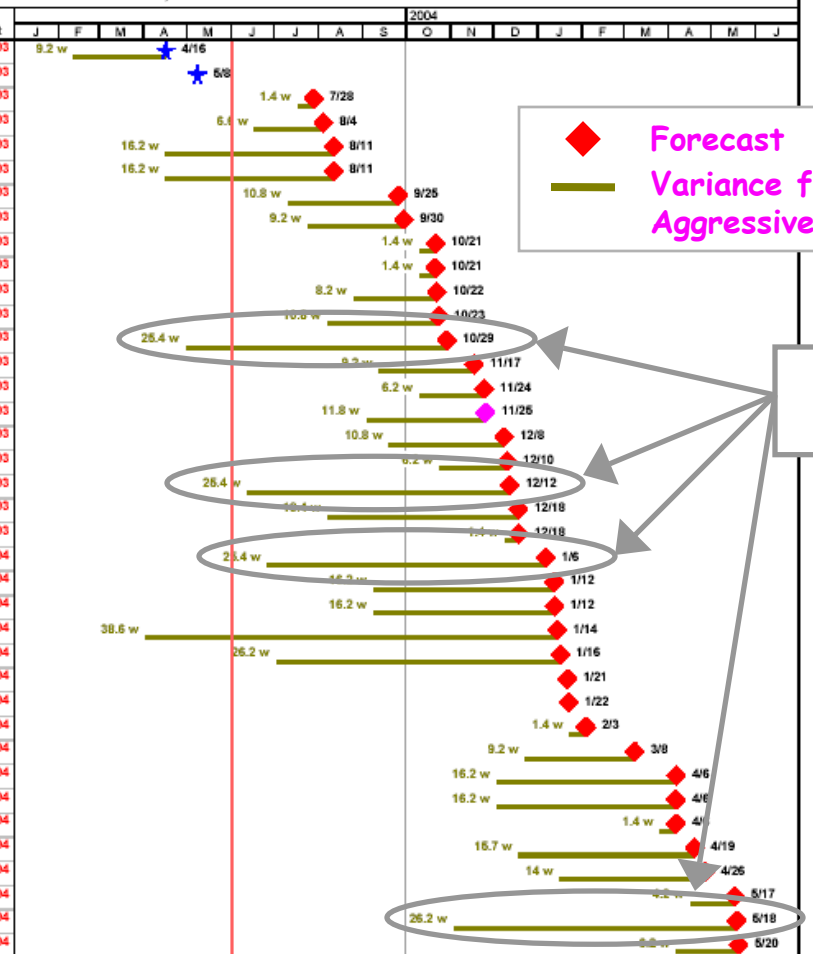
399	Silicon High-mass Cables Ready	5/8/03	5/8/03
800	Successful Fabrication of an Electrical-grade Pre-production Silicon Stave	7/17/03	7/28/03
846	Silicon Cylinders Released for Production	6/17/03	8/4/03
38	L0 Silicon Sensors Released For Production	4/16/03	8/11/03
70	L1 Silicon Sensors Released For Production	4/16/03	8/11/03
138	SVX4 Released For Production	7/10/03	9/25/03
679	Begin 20cm Gang Production	7/25/03	9/30/03
439	Successful Readout Of Full Silicon Stave	10/10/03	10/21/03
587	Stave Shells For South Silicon Complete	10/10/03	10/21/03
1008	Release Silicon Event Display Package	8/25/03	10/22/03
358	Silicon SASEQ Test Stands Ready	8/7/03	10/23/03
996	Release Silicon Unpacking And Translation Packages	4/30/03	10/29/03
97	25% L2-L5 Silicon Sensors Delivered And Tested	9/12/03	11/17/03
147	Silicon L0 Hybrids Released For Production	10/10/03	11/24/03
225	Silicon L2-L5 Hybrids Released For Production	9/3/03	11/25/03
137	SVX4 Wafers Delivered	9/19/03	12/8/03
250	Silicon L0-L1 Digital Jumper Cables Released For Production	10/24/03	12/10/03
1001	Release Silicon Examine Package	6/12/03	12/12/03
194	Silicon L1 Hybrids Released For Production	8/7/03	12/18/03
590	Stave Shells For North Silicon Complete	12/9/03	12/18/03
451	Successful Readout Of Silicon Single-unit Full-chain	6/26/03	1/6/04
41	1st L0 Silicon Sensor Delivered	9/8/03	1/12/04
71	1st L1 Silicon Sensor Delivered	9/8/03	1/12/04
262	Silicon L2-L5 Digital Jumper Cables Released For Production	4/2/03	1/14/04
237	Silicon L0 Flex Cables Released For Production	7/2/03	1/16/04
970	Temperature Monitoring System Ready To Be Installed	2/4/04	1/21/04
958	Decide On Final Radiation Monitoring System	1/22/04	1/22/04
573	Stave Cores For South Silicon Complete	1/23/04	2/3/04
98	50% L2-L5 Silicon Sensors Delivered And Tested	12/23/03	3/8/04
42	All L0 Silicon Sensors Delivered And Tested	12/3/03	4/6/04
72	All L1 Silicon Sensors Delivered And Tested	12/3/03	4/6/04
577	Stave Cores For North Silicon Complete	3/26/04	4/6/04
503	Silicon Layer 0 South Mechanical Assemblies Complete	12/19/03	4/19/04
413	Silicon HV System Components Ready	1/16/04	4/26/04
515	Silicon Layer 1 South Mechanical Assemblies Complete	4/16/04	5/17/04
1017	Release Silicon Calibration Code Package With Documentation	11/3/03	5/18/04
253	Silicon L0-L1 Digital Jumper Cables Produced And Tested	4/7/04	5/20/04



Russian collaborator now at work

Project: Run IIb Silicon Schedule
Date: 7/8/03
Staus Date: 5/31/03

Aggressive Variance — Milestone — Critical Milestone — Completed Milestone

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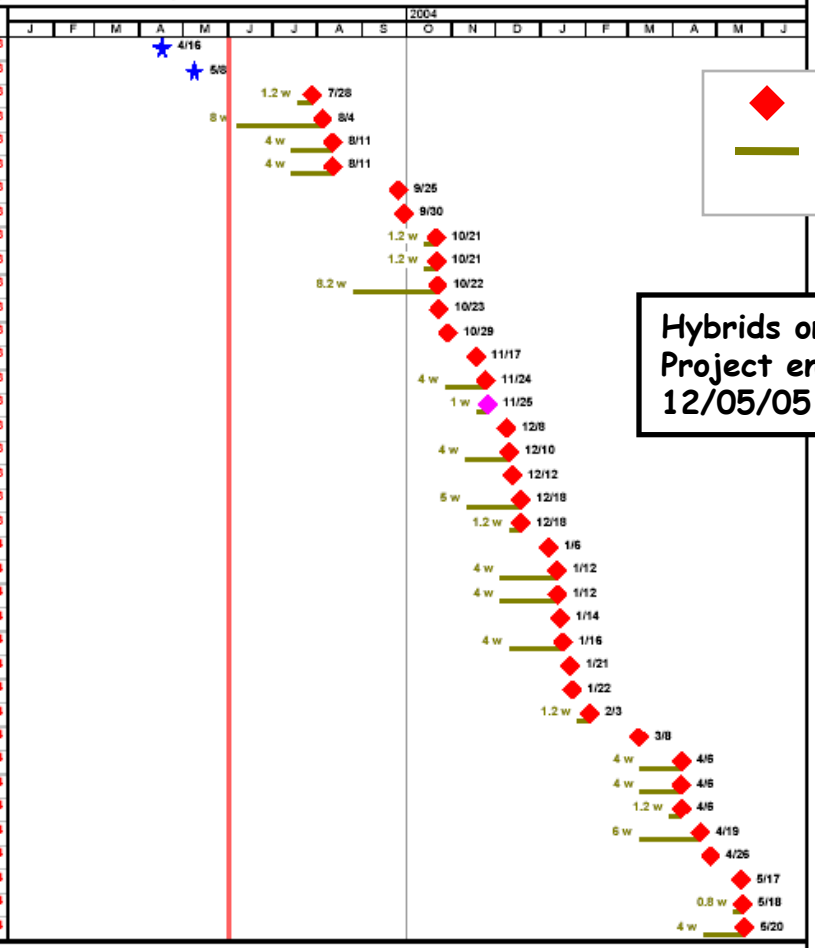
Last Month/This Month - Silicon Forecasts

Run IIb Silicon Milestones
Apr03-May03 Comparison
(1 year outlook < 6/1/04)

ID	Name	Last Month	Forecast
91	L2-L5 Silicon Sensors Released For Production	4/16/03	4/16/03
399	Silicon High-mass Cables Ready	5/8/03	5/8/03
800	Successful Fabrication of an Electrical-grade Pre-production Silicon Stave	7/18/03	7/28/03
846	Silicon Cylinders Released for Production	6/6/03	8/4/03
38	L0 Silicon Sensors Released For Production	7/14/03	8/11/03
70	L1 Silicon Sensors Released For Production	7/14/03	8/11/03
138	SVX4 Released For Production	9/25/03	9/25/03
679	Begin 20cm Gang Production	9/30/03	9/30/03
439	Successful Readout Of Full Silicon Stave	10/13/03	10/21/03
587	Stave Shells For South Silicon Complete	10/13/03	10/21/03
1006	Release Silicon Event Display Package	8/25/03	10/22/03
358	Silicon SASEQ Test Stands Ready	10/23/03	10/23/03
996	Release Silicon Unpacking And Translation Packages	10/29/03	10/29/03
97	25% L2-L5 Silicon Sensors Delivered And Tested	11/17/03	11/17/03
147	Silicon L0 Hybrids Released For Production	10/27/03	11/24/03
225	Silicon L2-L5 Hybrids Released For Production	11/18/03	11/25/03
137	SVX4 Wafers Delivered	12/8/03	12/8/03
250	Silicon L0-L1 Digital Jumper Cables Released For Production	11/10/03	12/10/03
1001	Release Silicon Examine Package	12/12/03	12/12/03
194	Silicon L1 Hybrids Released For Production	11/11/03	12/18/03
590	Stave Shells For North Silicon Complete	12/10/03	12/18/03
451	Successful Readout Of Silicon Single-unit Full-chain	1/6/04	1/6/04
41	1st L0 Silicon Sensor Delivered	12/4/03	1/12/04
71	1st L1 Silicon Sensor Delivered	12/4/03	1/12/04
262	Silicon L2-L5 Digital Jumper Cables Released For Production	1/14/04	1/14/04
237	Silicon L0 Flex Cables Released For Production	12/10/03	1/16/04
970	Temperature Monitoring System Ready To Be Installed	1/21/04	1/21/04
958	Decide On Final Radiation Monitoring System	1/22/04	1/22/04
573	Stave Cores For South Silicon Complete	1/26/04	2/3/04
98	50% L2-L5 Silicon Sensors Delivered And Tested	3/8/04	3/8/04
42	All L0 Silicon Sensors Delivered And Tested	3/9/04	4/6/04
72	All L1 Silicon Sensors Delivered And Tested	3/9/04	4/6/04
577	Stave Cores For North Silicon Complete	3/29/04	4/6/04
503	Silicon Layer 0 South Mechanical Assemblies Complete	3/8/04	4/19/04
413	Silicon HV System Components Ready	4/26/04	4/26/04
515	Silicon Layer 1 South Mechanical Assemblies Complete	5/17/04	5/17/04
1017	Release Silicon Calibration Code Package With Documentation	5/12/04	5/18/04
253	Silicon L0-L1 Digital Jumper Cables Produced And Tested	4/22/04	5/20/04



Project: Run IIb Silicon Schedule
Date: 7/8/03
Staus Date: 5/31/03

Monthly Variance — Milestone — Critical Milestone — Completed Milestone

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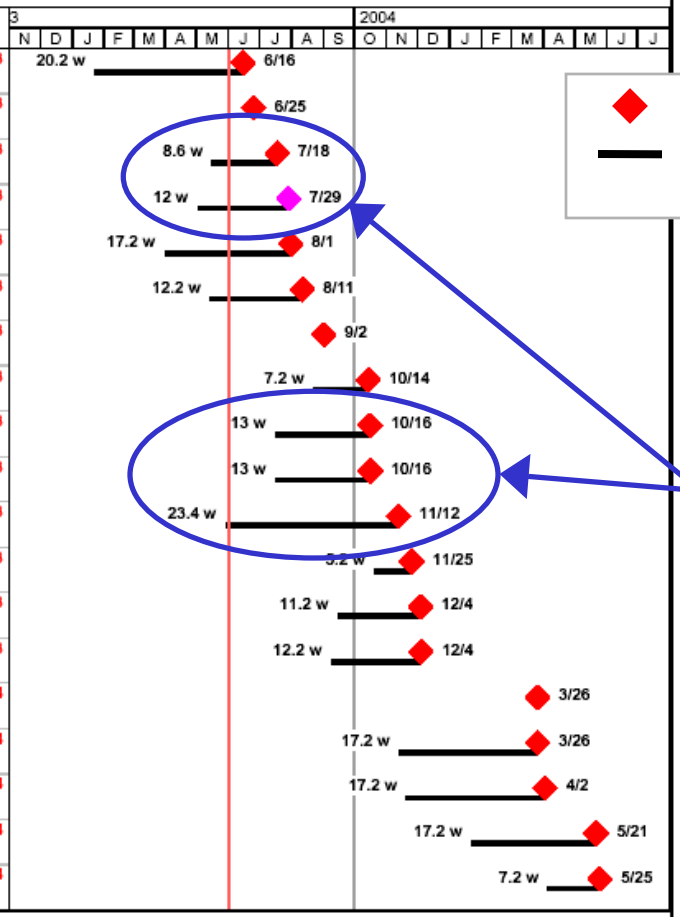
Forecast
Variance from last month

Hybrids on critical path
Project end date slipped 1w to 12/05/05 since last month

Trigger Milestones - 1 Year Outlook

Run IIb Trigger Milestones
(1 Year Outlook < 6/1/04)

ID	Name	Aggressive	Forecast
115	D0 Internal Design Review Complete	1/23/03	6/16/03
174	Target L1 Central Track Trigger Algorithm Firmware Coded And Simulated With FPGA Simulation Tools	7/17/03	6/25/03
49	L1 Calorimeter Trigger TAB Prototype Complete	5/16/03	7/18/03
9	Prototype L1 Calorimeter Trigger ADF Shipped To Fermilab	5/2/03	7/29/03
271	Place Parts Orders for L2 Silicon Track Trigger	4/1/03	8/1/03
146	Fabrication and Assembly of L1 Trigger Cal-Trk Match Prototype MTFB Complete	5/14/03	8/11/03
274	L2 Silicon Track Trigger Run IIb Inputs Finalized	9/2/03	9/2/03
128	Fabrication and Assembly of L1 Trigger Cal-Trk Match Preproduction MTCxx Complete	8/22/03	10/14/03
67	L1 Calorimeter Trigger GAB Prototype Complete	7/16/03	10/16/03
92	L1 Calorimeter Trigger TAB/GAB Prototyping Complete	7/16/03	10/16/03
35	L1 Calorimeter Trigger ADF+Crate Prototype Complete	5/29/03	11/12/03
138	Fabrication and Assembly of L1 Trigger Cal-Trk Match MTCM's Complete	10/20/03	11/25/03
295	VTM Production Complete for L2 Silicon Track Trigger	9/15/03	12/4/03
151	Fabrication and Assembly of L1 Trigger Cal-Trk Match MTFB's Complete	9/8/03	12/4/03
205	L1 Central Track Trigger DFEA Prototype Tested At Fermilab	4/16/04	3/26/04
345	L2 Silicon Track Trigger Fiber Procurement Complete	11/13/03	3/26/04
340	L2 Silicon Track Trigger Splitter Procurement Complete	11/20/03	4/2/04
331	L2 Silicon Track Trigger Hotlink Repeaters Complete	1/22/04	5/21/04
132	Fabrication and Assembly of L1 Trigger Cal-Trk Match MTCxx's Complete	4/5/04	5/25/04



Forecast

Variance from Aggressive Milestone

Cal Trigger (ADF,TAB,GAB)

Enter comments

Project: Run IIb trigger Schedule
Status Date: 5/31/03
Print Date: 7/8/03

Aggressive Variance

Milestone

Critical Milestone

Completed Milestone

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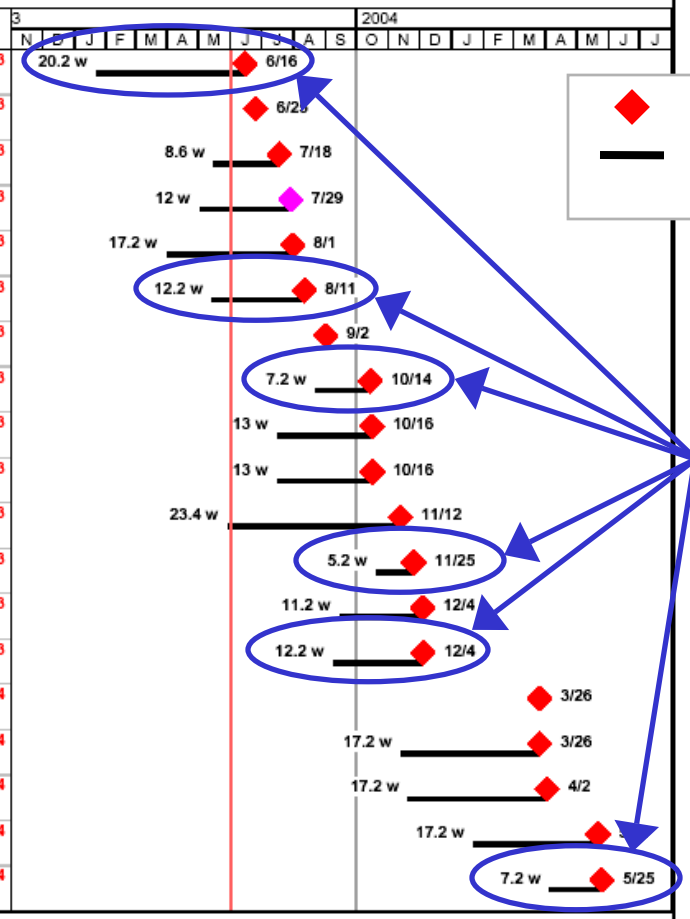
Trigger Milestones - 1 Year Outlook

Run IIb Trigger Milestones
(1 Year Outlook < 6/1/04)

ID	Name	Aggressive	Forecast
115	D0 Internal Design Review Complete	1/23/03	6/16/03
174	Target L1 Central Track Trigger Algorithm Firmware Coded And Simulated With FPGA Simulation Tools	7/17/03	6/25/03
49	L1 Calorimeter Trigger TAB Prototype Complete	5/16/03	7/18/03
9	Prototype L1 Calorimeter Trigger ADF Shipped To Fermilab	5/2/03	7/29/03
271	Place Parts Orders for L2 Silicon Track Trigger	4/1/03	8/1/03
146	Fabrication and Assembly of L1 Trigger Cal-Trk Match Prototype MTFB Complete	5/14/03	8/11/03
274	L2 Silicon Track Trigger Run IIb Inputs Finalized	9/2/03	9/2/03
128	Fabrication and Assembly of L1 Trigger Cal-Trk Match Preproduction MTCxx Complete	8/22/03	10/14/03
67	L1 Calorimeter Trigger GAB Prototype Complete	7/16/03	10/16/03
92	L1 Calorimeter Trigger TAB/GAB Prototyping Complete	7/16/03	10/16/03
35	L1 Calorimeter Trigger ADF+Crate Prototype Complete	5/29/03	11/12/03
138	Fabrication and Assembly of L1 Trigger Cal-Trk Match MTCM's Complete	10/20/03	11/25/03
295	VTM Production Complete for L2 Silicon Track Trigger	9/15/03	12/4/03
151	Fabrication and Assembly of L1 Trigger Cal-Trk Match MTFB's Complete	9/8/03	12/4/03
205	L1 Central Track Trigger DFEA Prototype Tested At Fermilab	4/16/04	3/26/04
345	L2 Silicon Track Trigger Fiber Procurement Complete	11/13/03	3/26/04
340	L2 Silicon Track Trigger Splitter Procurement Complete	11/20/03	4/2/04
331	L2 Silicon Track Trigger Hotlink Repeaters Complete	1/22/04	5/21/04
132	Fabrication and Assembly of L1 Trigger Cal-Trk Match MTCxx's Complete	4/5/04	5/25/04



Forecast

Variance from Aggressive Milestone

Cal Track Match

Enter comments

Project: Run IIb trigger Schedule
Status Date: 5/31/03
Print Date: 7/8/03

Aggressive Variance

Milestone

Critical Milestone

Completed Milestone

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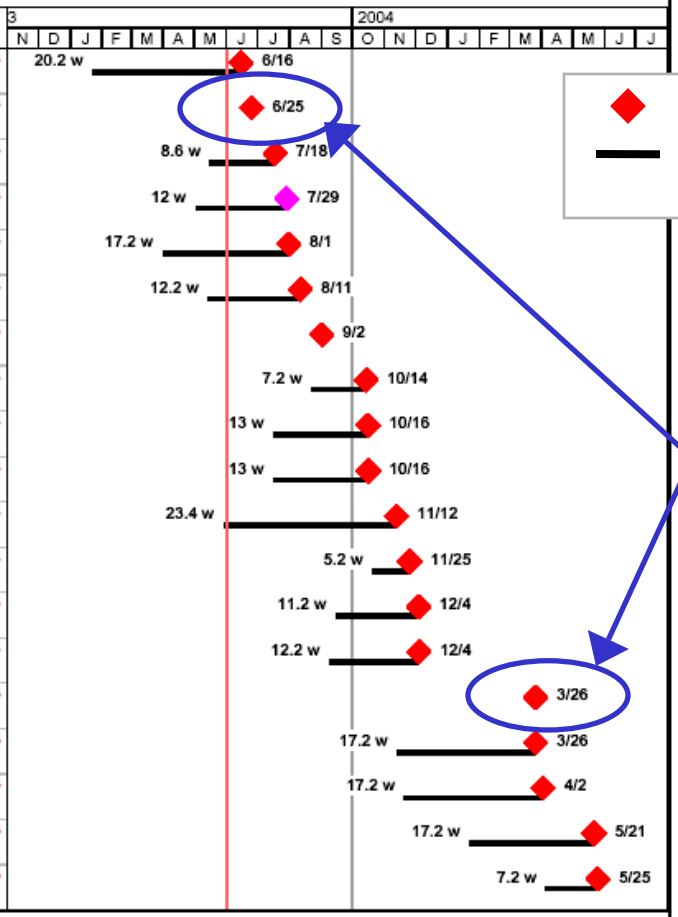
Trigger Milestones - 1 Year Outlook

Run IIb Trigger Milestones
(1 Year Outlook < 6/1/04)

ID	Name	Aggressive	Forecast
115	D0 Internal Design Review Complete	1/23/03	6/16/03
174	Target L1 Central Track Trigger Algorithm Firmware Coded And Simulated With FPGA Simulation Tools	7/17/03	6/25/03
49	L1 Calorimeter Trigger TAB Prototype Complete	5/16/03	7/18/03
9	Prototype L1 Calorimeter Trigger ADF Shipped To Fermilab	5/2/03	7/29/03
271	Place Parts Orders for L2 Silicon Track Trigger	4/1/03	8/1/03
146	Fabrication and Assembly of L1 Trigger Cal-Trk Match Prototype MTFB Complete	5/14/03	8/11/03
274	L2 Silicon Track Trigger Run IIb Inputs Finalized	9/2/03	9/2/03
128	Fabrication and Assembly of L1 Trigger Cal-Trk Match Preproduction MTCxx Complete	8/22/03	10/14/03
67	L1 Calorimeter Trigger GAB Prototype Complete	7/16/03	10/16/03
92	L1 Calorimeter Trigger TAB/GAB Prototyping Complete	7/16/03	10/16/03
35	L1 Calorimeter Trigger ADF+Crate Prototype Complete	5/29/03	11/12/03
138	Fabrication and Assembly of L1 Trigger Cal-Trk Match MTCM's Complete	10/20/03	11/25/03
295	VTM Production Complete for L2 Silicon Track Trigger	9/15/03	12/4/03
151	Fabrication and Assembly of L1 Trigger Cal-Trk Match MTFB's Complete	9/8/03	12/4/03
205	L1 Central Track Trigger DFEA Prototype Tested At Fermilab	4/16/04	3/26/04
345	L2 Silicon Track Trigger Fiber Procurement Complete	11/13/03	3/26/04
340	L2 Silicon Track Trigger Splitter Procurement Complete	11/20/03	4/2/04
331	L2 Silicon Track Trigger Hotlink Repeaters Complete	1/22/04	5/21/04
132	Fabrication and Assembly of L1 Trigger Cal-Trk Match MTCxx's Complete	4/5/04	5/25/04



Forecast
Variance from Aggressive Milestone

L1 Tracking

Enter comments

Project: Run IIb trigger Schedule
Status Date: 5/31/03
Print Date: 7/8/03

Aggressive Variance
Milestone
Critical Milestone
Completed Milestone

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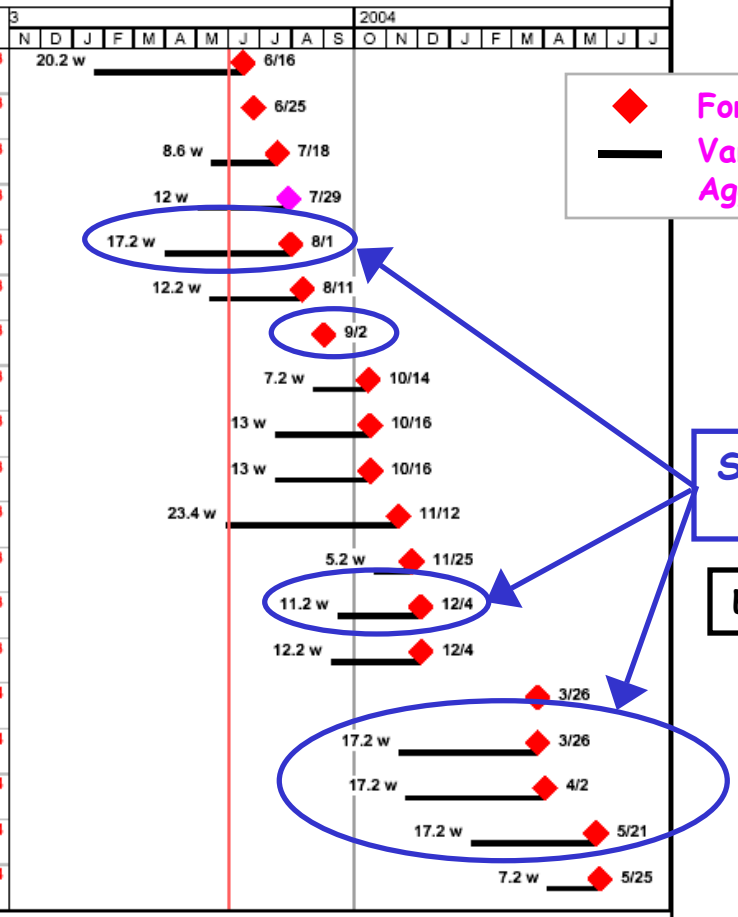
Trigger Milestones - 1 Year Outlook

Run IIb Trigger Milestones
(1 Year Outlook < 6/1/04)

ID	Name	Aggressive	Forecast
115	D0 Internal Design Review Complete	1/23/03	6/16/03
174	Target L1 Central Track Trigger Algorithm Firmware Coded And Simulated With FPGA Simulation Tools	7/17/03	6/25/03
49	L1 Calorimeter Trigger TAB Prototype Complete	5/16/03	7/18/03
9	Prototype L1 Calorimeter Trigger ADF Shipped To Fermilab	5/2/03	7/29/03
271	Place Parts Orders for L2 Silicon Track Trigger	4/1/03	8/1/03
146	Fabrication and Assembly of L1 Trigger Cal-Trk Match Prototype MTFB Complete	5/14/03	8/11/03
274	L2 Silicon Track Trigger Run IIb Inputs Finalized	9/2/03	9/2/03
128	Fabrication and Assembly of L1 Trigger Cal-Trk Match Preproduction MTCxx Complete	8/22/03	10/14/03
67	L1 Calorimeter Trigger GAB Prototype Complete	7/16/03	10/16/03
92	L1 Calorimeter Trigger TAB/GAB Prototyping Complete	7/16/03	10/16/03
35	L1 Calorimeter Trigger ADF+Crate Prototype Complete	5/29/03	11/12/03
138	Fabrication and Assembly of L1 Trigger Cal-Trk Match MTCM's Complete	10/20/03	11/25/03
295	VTM Production Complete for L2 Silicon Track Trigger	9/15/03	12/4/03
151	Fabrication and Assembly of L1 Trigger Cal-Trk Match MTFB's Complete	9/8/03	12/4/03
205	L1 Central Track Trigger DFEA Prototype Tested At Fermilab	4/16/04	3/26/04
345	L2 Silicon Track Trigger Fiber Procurement Complete	11/13/03	3/26/04
340	L2 Silicon Track Trigger Splitter Procurement Complete	11/20/03	4/2/04
331	L2 Silicon Track Trigger Hotlink Repeaters Complete	1/22/04	5/21/04
132	Fabrication and Assembly of L1 Trigger Cal-Trk Match MTCxx's Complete	4/5/04	5/25/04



Forecast

Variance from Aggressive Milestone

Si Track Trigger (ADF,TAB,GAB)

Enter comments

Project: Run IIb trigger Schedule
Status Date: 5/31/03
Print Date: 7/8/03

Aggressive Variance — Critical Milestone

Milestone — Completed Milestone

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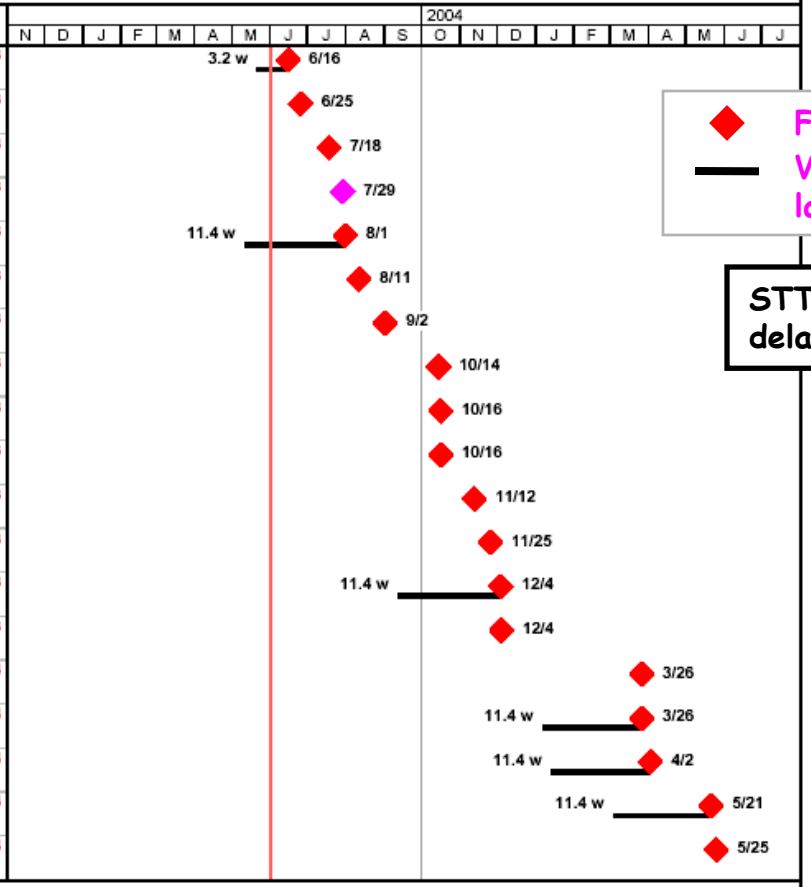
Last Month/This Month - Trigger Forecasts

Run IIb Trigger Milestones
Apr03-May03 Comparison
(1 Year Outlook < 6/1/04)

ID	Name	Last Month	Forecast
115	D0 Internal Design Review Complete	5/22/03	6/16/03
174	Target L1 Central Track Trigger Algorithm Firmware Coded And Simulated With FPGA	6/25/03	6/25/03
49	L1 Calorimeter Trigger TAB Prototype Complete	7/22/03	7/18/03
9	Prototype L1 Calorimeter Trigger ADF Shipped To Fermilab	8/26/03	7/29/03
271	Place Parts Orders for L2 Silicon Track Trigger	5/12/03	8/1/03
146	Fabrication and Assembly of L1 Trigger Cal-Trk Match Prototype MTFB Complete	8/11/03	8/11/03
274	L2 Silicon Track Trigger Run IIb Inputs Finalized	9/2/03	9/2/03
128	Fabrication and Assembly of L1 Trigger Cal-Trk Match Preproduction MTCxx Complete	10/14/03	10/14/03
67	L1 Calorimeter Trigger GAB Prototype Complete	10/16/03	10/16/03
92	L1 Calorimeter Trigger TAB/GAB Prototyping Complete	10/16/03	10/16/03
35	L1 Calorimeter Trigger ADF+Crate Prototype Complete	12/3/03	11/12/03
138	Fabrication and Assembly of L1 Trigger Cal-Trk Match MTCM's Complete	11/25/03	11/25/03
295	VTM Production Complete for L2 Silicon Track Trigger	9/12/03	12/4/03
151	Fabrication and Assembly of L1 Trigger Cal-Trk Match MTFB's Complete	12/4/03	12/4/03
205	L1 Central Track Trigger DFEA Prototype Tested At Fermilab	3/26/04	3/26/04
345	L2 Silicon Track Trigger Fiber Procurement Complete	1/6/04	3/26/04
340	L2 Silicon Track Trigger Splitter Procurement Complete	1/13/04	4/2/04
331	L2 Silicon Track Trigger Hotlink Repeaters Complete	3/3/04	5/21/04
132	Fabrication and Assembly of L1 Trigger Cal-Trk Match MTCxx's Complete	5/25/04	5/25/04



Forecast
Variance from last month

STT slippage due to delay in MOU/SOW

Project: Run IIb trigger Schedule
Date: 7/8/03
Staus Date: 5/31/03

Monthly Variance
Milestone
Critical Milestone
Completed Milestone

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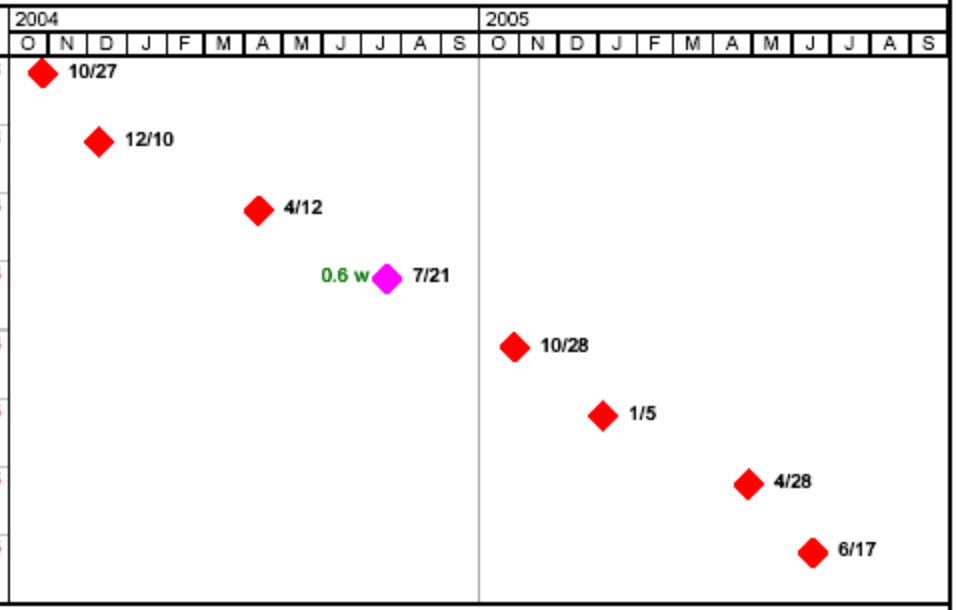
All Online Milestones

Run IIb Online Milestones

ID	Name	Aggressive	Forecast
124	DAQ HOST Secondary System Active	10/27/03	10/27/03
148	Secondary File Server Active	12/10/03	12/10/03
136	Development ORACLE System Active	4/12/04	4/12/04
106	RAID Array Active	7/16/04	7/21/04
129	DAQ HOST Primary System Active	10/28/04	10/28/04
153	Primary File Server Active	1/5/05	1/5/05
141	Production ORACLE System Active	4/28/05	4/28/05
154	Online System Production and Testing Complete	6/17/05	6/17/05



Project: Run IIb Online Schedule
Status Date: 5/31/03
Print Date: 7/8/03

Aggressive Variance
Milestone
Critical Milestone
Completed Milestone

Page 1 of 1

- No changes since last month
- No variance from aggressive schedule

Cobra Issues

- Loading monthly status and producing reports
  - Baseline schedules re-established in COBRA.
    - EQ-only COBRA files established in addition to ones for full project
  - Transaction files with status information (i.e. % completes) produced from MS Project and loaded successfully into COBRA for both silicon and trigger (EQ-only and All funding sources).
  - Actual costs loaded into COBRA
  - Separate cost performance reports (CPRs) for full project and for DOE equipment-funded tasks produced.
- Still have concerns about content of CPR reports, forecasts, variances.
- Awaiting COBRA version 4.
  - Currently under test and evaluation here at FNAL in Business Services
    - Shipped them DZero MS Project .mpd files for testing.
  - Anticipate ready to use early August.

Summary

- Continuing to manage to the "aggressive" schedule
  - Forecast completion date slipped slightly since last month to December 5, 2005; EIR/DOE schedule finish May 25, 2006
  - Regularly reviewing schedule to optimize the plan
    - Looking at variances from aggressive schedule
    - Month-to-month differences in forecasts
    - Variance wrt DOE baseline dates
      - Missed L2-L5 sensor order baseline date by 3.4 weeks
      - Current forecast is within 4 days of baseline date for "Silicon Module Production Begun" (7/15/04). Exploring ways to mitigate this.
      - Other milestones have significant cushion remaining.
    - Processing schedule and cost change requests as they arise.
- COBRA Issues
  - Made significant progress.