

DT Production and Installation Schedule

CMS Week,
CERN June 8th 2004

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DT for First Installation July-September 2004

YB2 + Bottom

Sectors	+8	+9	+10	+11	+12	
Services	Left (ZpB)	Right (ZpA)	Left (ZpB)	Right (ZpA)	Left (ZpB)	
Chambers	MB1P10	MB1P14	MB1P15	MB1P17	MB1P20	
Chambers	MB2P22	MB2P23	MB2P24	MB2P17	MB2P26	
Chambers	MB3P08	MB3P10	MB3P12	MB3P14	MB3P16	
Balance B	Right	Right	Right	Left	Left	
Chambers	HV Cables	MB4C29	MB4 L34	MB4 R30	MB4C30	Cooling
Balance B			R	L		

Red = Chambers to be repaired

Blue = Certified for installation (dressing to be completed)

Black = Chambers to be tested

DT for First Installation July-September 2004

YB2 + Top

Sectors	+2	+3	+4	+5	+6	
Services	Left (ZpB)	Right(ZpA)	Left (ZpB)	Right(ZpA)	Left (ZpB)	
Chambers	MB1P28	MB1P34	MB1P09	MB1P16	MB1P13	
Chambers	MB2P00	MB2P00	MB2P00	MB2P00	MB2P00	
Chambers	MB3P18	MB3P30	MB3P32	MB3P24	MB3P04	
Balance B	Left	Left	Right	Right	Right	
Chambers	Cooling +HV Cables		MB4 4C3	MB4 4C4		
Balance B			L	R		

YB+2 Bottom Installation +...

- Repair Crew = 1 Physicist + 1 technician
- Final tests Crew = 1 Physicist +
- Hardware needed (minimum):

carters

MB4/x Cooling pipes

(PADCs)

alignment DCS cables

MB1 rails and related gadgets

- Goal; 10MB3, 10MB1, 5MB2, 2MB4/9-11, 2MB4/10, 2MB4/4 ready for installation
- Install Y+2B (YB+2 T : MB1, MB3, MB4/4 depending on MC + RPC
- Installation Crew:

ISR: 1 DT + 2-3 RPC techs + Supervisor (Massimo/Clemente)

SX5: 3 technicians + Massimo

	w24	w25	w26	w27	w28	w29	w30
	7-Jun	14-Jun	21-Jun	28-Jun	5-Jul	12-Jul	19-Jul
MB3 Test	3	3					
MB3 Repair							
MB2 Repair							
MB2 Test/Repair/Test		1	2				
MB1 Repair							
MB1 Test/Repair Test			3	1			
MB3 Dressing							
MB2 Dressing							
MB1 Dressing							
MB4/9-11 Dressing							
MB4/10 Dressing							
Alignment Calibration		14	26				
MB2 Ready				5			
MB3 Ready				3	2		
MB1 Ready					5		
MB4/10 Ready					1	1	
MB4/9-11 Ready						2	
Install MB2 MB3					8		
Install MB3 MB1						8	
Install MB1 MB4							3

**Repair/Final test
Crew (1+1)
w25 to w28**

**Installation Crew
w27 to w30**

Minimal Manpower Requirements

- In the absence of the repair crew we cannot install until September.
- At least one physicist is needed for the final tests
- One mechanic should be added to the ISR crew for chamber handling and preparation of HV cables after alignment (June and July)
- One mechanic is needed in August to replace Sandro.

BMU Installation

- No major conflicts with RPC production schedule. Check RB4-4 availability for YB+2
- Beyond YB+2 Bottom the installation schedule is driven by the availability of Minicrates and new HVBs
- By the fall we should be able to move from a plausible to a realistic schedule that includes also the large MB4 from Torino.

