

# APS FY2004 Long Range Operations Schedule (October 2003 - September 2004)

Run 2003-03

Run 2004-01

Run 2004-02 (DRAFT)

Run 2003-03			Run 2004-01			Run 2004-02 (DRAFT)					
Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	4 →	1	3 →	1	1	4 →	1	1	1	1	1
2	4 →	2	3 →	2	2	4 →	2	2	2	2	2
3	4 →	3	3 →	3	3	4 →	3	3	3	3	3
4	4 →	4	1 →	4	4	4 →	4	4	4	4	4
5	4 →	5	1 →	5	5	4 →	5	5	5	5	5
6	4 →	6	1 →	6	6	4 →	6	6	6	6	6
7	5 →	7	1 →	7	7	4 →	7	1 →	7	7	7
8	5 →	8	1 →	8	8	4 →	8	1 →	8	8	8
9	5 →	9	1 →	9	9	4 →	9	1 →	9	9	9
10	5 →	10	1 →	10	10	4 →	10	1 →	10	10	10
11	5 →	11	1 →	11	11	3 →	11	1 →	11	11	11
12	5 →	12	1 →	12	12	3 →	12	1 →	12	12	12
13	5	13	1 →	13	13	3 →	13	1 →	13	13	13
14		14	1 →	14	14	3 →	14	1 →	14	14	14
15		15	1 →	15	15	3 →	15	1 →	15	15	15
16		16	4 →	16	16	3 →	16	1 →	16	16	16
17		17	4 →	17	17	3	17	1 →	17	17	17
18		18	4 →	18	18		18	1 →	18	18	18
19		19	4 →	19	19		19	1 →	19	19	19
20		20	4 →	20	20		20	1 →	20	20	20
21		21	4 →	21	21		21	1	21	21	21
22		22		22	22		22		22	22	22
23		23		23	23		23	3 →	23	23	23
24		24		24	24		24	3 →	24	24	24
25		25		25	25		25	4 →	25	25	25
26		26		26	26		26	4 →	26	26	26
27		27		27	27		27	4 →	27	27	27
28		28		28	28		28	4 →	28	28	28
29	3 →	29		29	29		29	4 →	29	29	29
30	3 →	30		30	30		30	4 →	30	30	30
31	3 →	31		31	31		31	4	31	31	31

Top-up User Operation in low emittance mode  
 Non top-up User Operation  
 Fill pattern is 24 singlets unless otherwise indicated

SOM Periods  
 1 Hybrid Fill - (singlet)  
 2 Hybrid Fill - (triplet)  
 3 110 mA - Low E. singlets  
 4 324 Singlets - Low E. Fill  
 5 23 Singlets - Low E.

Machine Studies  
 Maintenance  
 Shifts set aside for Studies/  
 Machine Intervention as Needed

Weekends  
 Lab Holidays

<b>OPERATING MODES</b>
<b>(# DAYS OF OPERATION)</b>

FY01      FY02      FY03      FY04

<b>NON TOP-UP</b>				
Higher Emittance	143	30	23	0
Low-emittance (324 bunch)	0	0	24	56
Hybrid (triplet) 3 +(8x7)	13	25	0	0
<b>TOP-UP</b>				
Hybrid (singlet) 1+(8x7)	15	12	21	28
Higher current (23 or 24 bunch)	0	0	6	16
Low- emittance (23 or 24 bunch)	32	140	135	117
TOTAL	203	208	205	217

## **User Input on Special Operating Mode Requests**

**User Requests are discussed at APS Operations Directorate**

**AOD solicits input from the PUC on proposed SOM request at least 6 months in advance of proposed schedule incorporating SOM request.**

**This process is now underway for proposed June 6 – June 21 singlet mode operation.**

**Results of user feedback will be discussed with PUC and brought to Operations Directorate for approval.**

**If there are potential adverse effects on user science programs, SAC input could be requested on longer term issues, such as the introduction of a new SOM.**