

# APS FY 2008 Long Range Operations Schedule

Run 2007-03

Run 2008-01

Run 2008-02

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1		1 4 →	1 1 →	1	1	1 4 →	1	1	1	1	1 1 →	1
2		2 4 →	2 1 →	2	2	2 4 →	2	2	2	2	2 1 →	2
3		3 4 →	3 1 →	3	3	3 4 →	3	3	3	3	3 1 →	3
4		4 4 →	4 1 30 30	4	4	4 4	4	4	4	4	4 1 →	4
5		5 4 →	5 30 1 →	5	5	5 4 →	5	5	5	5	5 1 →	5
6		6 4 30 30	6 1 →	6	6	6 4 →	6	6	6	6	6 1 →	6
7		7 30	7 1 →	7	7	7 4 →	7	7	7	7	7 1 →	7
8		8	8 1 →	8	8	8 4 →	8	8	8	8	8 1 *	8
9		9 30 30	9 1 →	9	9	9 4 →	9	9	9	9	9	9
10		10	10 1 →	10	10	10 4	10	10	10	10	10	10
11		11	11 1 30 30	11	11	11	11	11	11	11	11	11
12		12 30 30	12 30 4 →	12	12	12 1 →	12	12	12	12	12	12
13		13 30 30 30	13 4 →	13	13	13 1 →	13	13	13	13	13	13
14		14 30	14 4 →	14	14	14 1 →	14	14	14	14	14	14
15		15	15 4 →	15	15	15 1 →	15	15	15	15	15	15
16		16 30 30	16 4 →	16	16	16 1 →	16 4 →	16	16	16 4 →	16	16
17		17 30	17 4 →	17	17	17 1 →	17 4 →	17	17	17 4 →	17	17
18		18	18 4 →	18	18	18 1	18 4 →	18	18	18 4 →	18	18
19		19	19 4	19	19	19 1 →	19 4 →	19	19	19 4 →	19	19
20		20	20	20	20	20 1 →	20 4 →	20	20	20 4 →	20	20
21		21	21	21	21	21 1 →	21 4 →	21	21	21 4 →	21	21
22		22 30 30	22 #N, 30 30	22	22	22 1 →	22 4 →	22	22	22 4	22	22
23		23 30 30 30	23 30	23	23	23 1 →	23 4 →	23	23	23 4 →	23	23
24		24 30	24	24	24	24 1	24 4	24	24	24 4 →	24	24
25		25	25	25	25	25	25	25	25	25 4 →	25	25
26		26	26	26	26	26	26	26	26	26 4 →	26	26
27		27 30 30	27	27	27 4 →	27	27	27	27	27 4 →	27	27
28		28 30 1 →	28	28	28 4 →	28	28	28	28	28 4	28	28
29		29 1 →	29	29	29 4 →	29	29	29	29	29	29	29
30		30 30 30	30 1 →	30	30	30	30	30	30	30 1 →	30	30
31		31 30 4 →	31	31	31	31	31	31	31	31 1 →	31	31

User Operation in standard lattice  
 User Operation in Reduced Horizontal Beam Lattice (RHB)

**SOM Periods**  
 1 Hybrid Fill - (singlet)  
 324 Singlets - Non Top-Up

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

Weekends  
 Lab Holidays  
\* Machine Studies  
 08:00-12:00

Top-Up Operations is standard unless indicated in fill pattern

Fill pattern is 24 singlets unless otherwise indicated by number

## Breakdown of User Shifts by Fill Pattern for FY2008

### Number of 8-hour User Shifts

	24 Singlets - Top-Up	Hybrid Fill - Top-Up	324 Singlets - Non Top-Up	Total Shifts
Run 2007-3	122	36	39	197
Run 2008-1	129	33	57	219
Run 2008-2	100.5	27	33	160.5
SUM	351.5	96	129	576.5

## Lattice Parameters for FY 2008

### *Run 2007-03, FY2008-2*

Lattice name	Default ID lattice functions			Special sectors	Special ID lattice functions		
	BetaX	EtaX	BetaY		BetaX	EtaX	BetaY
Standard	20	0.17	3	None	N/A	N/A	N/A
RHB	20	0.17	3	32ID	4	0.07	5

### *Run 2008-1*

Lattice name	Default ID lattice functions			Special sectors	Special ID lattice functions		
	BetaX	EtaX	BetaY		BetaX	EtaX	BetaY
Standard	20	0.17	3	None	N/A	N/A	N/A
RHB	20	0.17	3	8ID, 32ID	3	0.08	5