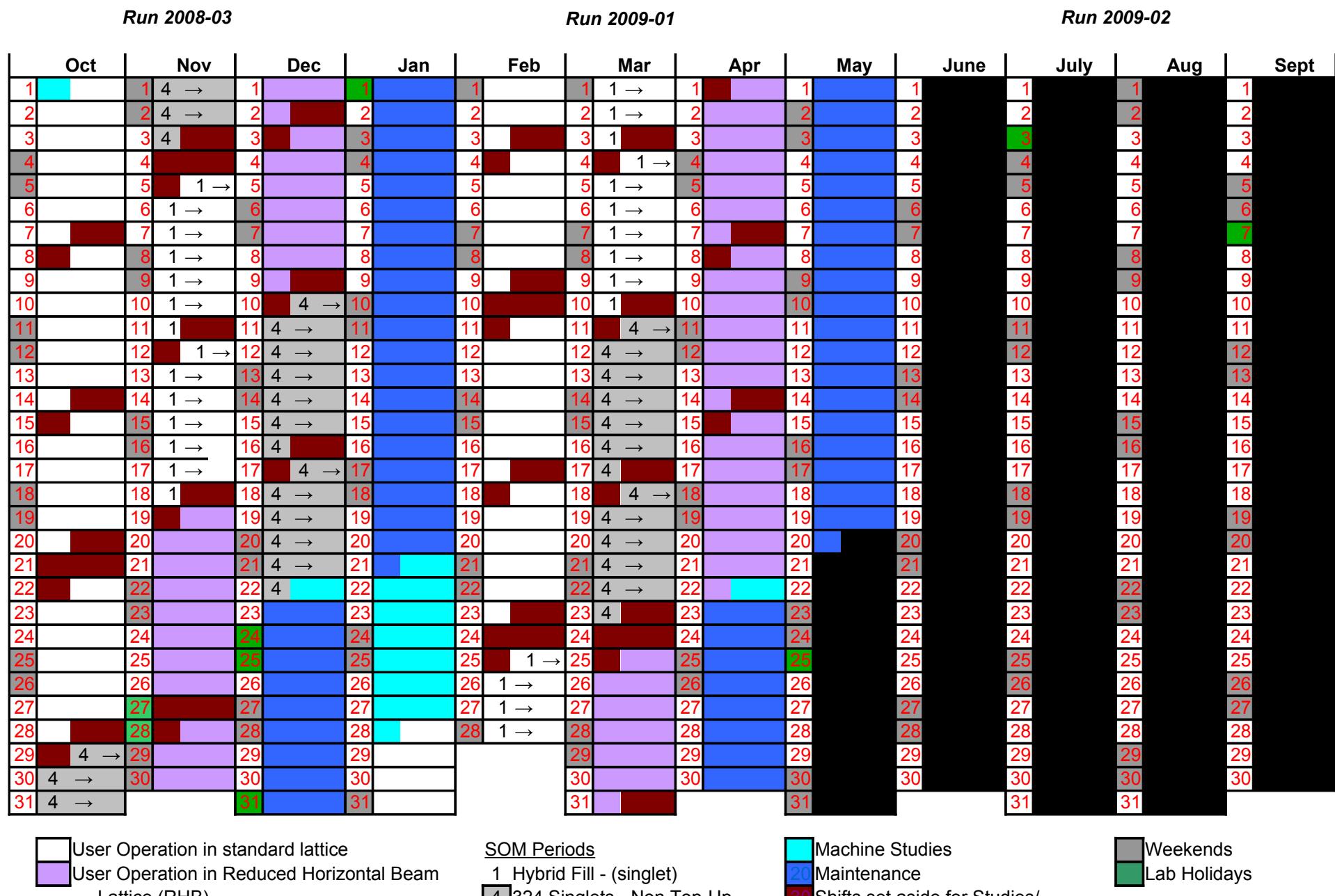


APS FY 2009

Long Range Operations Schedule



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 FY2009

Number of 8-hour User Shifts

	24 Singlets - Top-Up	Hybrid Fill - Top-Up	324 Singlets - Non Top-Up	Total Shifts
Run 2008-3	122	36	48	206
Run 2009-1	141	36	33	210
Run 2009-2				
SUM	263	72	81	416

Lattice Parameters for FY 2009

Run 2008-03

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