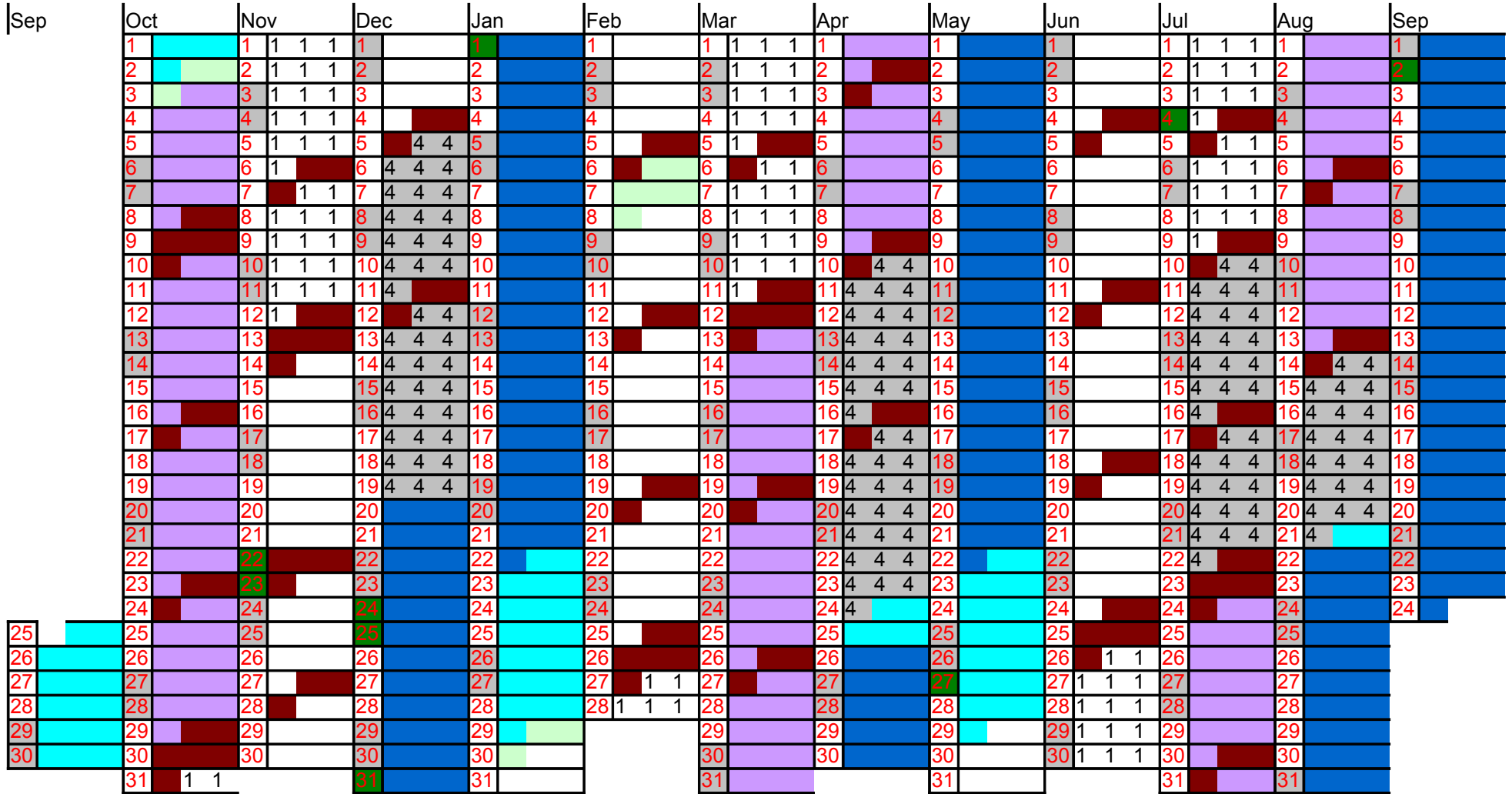


# APS Long-Range Operations Schedule

Run 2012-3

Run 2013-1

Run 2013-2



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

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

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

Weekends  
 Lab Holidays  
 Slightly higher risk to Operations due to shutdown activities

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

*Number of 8-hour User Shifts*

	<i>24 Singlets - Top-Up</i>	<i>Hybrid Fill - Top-Up</i>	<i>324 Singlets - Non Top-Up</i>	<i>Total Shifts</i>	<i>Total Hours</i>
2012-3	122	33	41	196	1568
2013-1	144	33	39	216	1728
2013-2	123	36	54	213	1704
SUM	389	102	134	625	5000