

# APS Long-Range Operations Schedule

Run 2019-3

Run 2020-1

Run 2020-2

Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1	1 4 4 4	1	1	1	1	1	1	1	1	1 1 1 1	1
2	2	2 4 4 4	2	2	2	2	2	2	2	2	2 1 1 1	2
3	3	3 4 4 4	3	3	3	3	3	3	3	3	3 1	3
4	4	4 4	4	4	4	4 4 4 4	4	4	4	4	4	4
5	5	5	5	5	5	5 4 4 4	5	5	5	5	5	5
6	6	6 1 1 1	6	6	6	6 4 4 4	6	6	6	6	6	6
7	7	7 1 1 1	7	7	7	7 4 4 4	7	7	7	7	7	7
8	8	8 1 1 1	8	8	8	8 4 4 4	8	8	8	8	8	8
9	9	9 1 1 1	9	9	9	9 4	9	9	9	9	9	9
10	10	10 1 1 1	10	10	10	10 4 4 4	10	10	10	10	10	10
11	11	11 1	11	11	11	11 4 4 4	11	11	11	11	11	11
12	12	12 1 1 1	12	12	12	12 4 4 4	12	12	12	12	12	12
13	13	13 1 1 1	13	13	13	13 4 4 4	13	13	13	13	13	13
14	14	14 1 1 1	14	14	14	14 4 4 4	14	14	14	14	14	14
15	15	15 1 1 1	15	15	15	15 4 4 4	15	15	15	15	15	15
16	16	16 1 1 1	16	16	16	16 4	16	16	16	16	16	16
17	17	17 1 1 1	17	17	17	17	17	17	17	17	17	17
18	18	18 1	18	18	18	18 1 1	18	18	18	18	18	18
19	19	19	19	19	19	19 1 1 1	19	19	19	19	19	19
20	20	20	20	20	20	20 1 1 1	20	20	20	20	20	20
21	21	21	21	21	21	21 1 1 1	21	21	21	21	21	21
22	22	22 4 4	22	22	22	22 1 1 1	22	22	22	22	22	22
23	23	23 4 4 4	23	23	23	23 1	23	23	23	23	23	23
24	24	24 4 4 4	24	24	24	24	24	24	24	24	24	24
25	25	25 4 4 4	25	25	25	25	25	25	25	25	25	25
26	26	26 4 4 4	26	26	26	26	26	26	26	26	26	26
27	27	27 4 4 4	27	27	27	27	27	27	27	27	27	27
28	28	28 4	28	28	28	28	28	28	28	28	28	28
29	29	29 4 4 4	29	29	29	29	29	29	29	29	29	29
30	30	30 4 4 4	30	30	30	30	30	30	30	30	30	30
31	31	31 4 4 4	31	31	31	31	31	31	31	31	31	31

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

Top-Up Operations is standard unless indicated in fill pattern

**SOM Periods**  
 1 Hybrid Fill - (singlet)  
 4 324 Singlets - Non Top-Up  
 4 324 Singlets RHB - Non Top-Up  
 \* 324 Singlets RHB - Top-Up

Fill pattern is 24 singlets unless otherwise indicated by number

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

Weekends  
 Lab Holidays  
 Slightly Higher Risk to Operations due to Shutdown Activities

# 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>
2019-3	131	33	36	200	1600
2020-1	159	15	75	249	1992
2020-2	107	33	36	176	1408
SUM	397	81	147	625	5000