

APS Running Statistics; FY98 to Present

	Scheduled User Hours	User Beam Available hours	User beam Availability (%)	Total Faults	Mean Time to Recovery	Faults Per Day of Delivered Beam	Delivered Integrated Current (A-hr)	Hours of Top- up Scheduled	Top-up Injector Availability	MTBF
Run 97-7	741.9	698.2	94.1%	17	2.6	0.58	52.9	N/A	N/A	41.1
Run 98-1	703.1	640.6	91.1%	21	3.0	0.79	48.7	N/A	N/A	30.5
Run 98-2	714.5	656.4	91.9%	27	2.2	0.99	50.3	N/A	N/A	24.3
Run 98-3	1154.2	1091.1	94.5%	28	2.3	0.62	85.1	N/A	N/A	39.0
Run 98-4	1152.2	1076.9	93.5%	31	2.4	0.69	84.2	N/A	N/A	34.7
Run 98-5	1093.6	987.4	90.3%	49	2.2	1.19	79.3	N/A	N/A	20.2
Run 99-1	976.6	923.6	94.6%	35	1.5	0.91	75.3	N/A	N/A	26.4
Run 99-2	831.2	794.9	95.6%	19	1.9	0.57	65.1	N/A	N/A	41.8
Run 99-3	832.0	805.6	96.8%	31	0.9	0.92	58.5	N/A	N/A	26.0
Run 99-4	1320.0	1256.2	95.2%	42	1.5	0.80	102.5	N/A	N/A	29.9
Run 99-5	1024.0	970.8	94.8%	44	1.2	1.09	82.0	N/A	N/A	22.1
Run 00-1	1511.0	1461.8	96.7%	35	1.4	0.57	119.5	N/A	N/A	41.8
Run 00-2	1248.0	1181.7	94.7%	47	1.4	0.95	99.5	N/A	N/A	25.1
Run 00-3	1264.2	1109.5	87.8%	34	4.6	0.74	89.2	N/A	N/A	32.6
Run 00-4	1000.1	953.0	95.3%	45	1.0	1.13	79.2	136	90.2%	21.2
Run 01-1	1528.2	1475.2	96.5%	52	1.0	0.85	124.9	304	97.8%	28.4
Run 01-2	1240.0	1184.3	95.5%	35	1.6	0.71	101.5	328	98.0%	33.8
Run 01-3	1232.0	1176.2	95.5%	56	1.0	1.14	104.2	264	98.5%	21.0
Run 01-4	1120.0	1081.4	96.5%	46	0.8	1.02	101.3	680	91.9%	23.5
Run 02-1	1927.0	1871.9	97.1%	56	1.0	0.72	182.2	1504	95.6%	33.4
Run 02-2	1952.0	1902.2	97.4%	45	1.1	0.57	185.6	1496	97.1%	42.3
Run 02-3	1449.0	1435.3	99.1%	20	0.7	0.33	136.3	969	99.3%	71.8
Run 03-1	1647.0	1598.8	97.1%	45	1.1	0.68	157.3	1239	94.9%	35.5
Run 03-2	1816.0	1738.5	95.7%	42	1.8	0.58	174.0	1384	98.5%	41.4
Run 03-3	1666.0	1622.3	97.4%	29	1.5	0.43	163.4	1258	97.6%	55.9
Run 04-1	1647.0	1610.0	97.8%	28	1.3	0.42	159.8	1216	97.5%	57.5
Run 04-2	1912.0	1880.2	98.3%	32	1.0	0.41	186.7	1391.55	98.7%	58.8
Run 04-3	1570.0	1549.2	98.7%	14	1.5	0.22	99.6	1233.5	98.9%	110.7
Run 05-1	1639.3	1617.0	98.6%	15	1.5	0.22	163.0	1207	98.1%	107.8
Run 05-2	1792.1	1764.8	98.5%	20	1.4	0.27	171.1	1536	98.4%	88.2
Run 05-3	1593.0	1543.6	96.9%	22	2.2	0.34	154.9	1265	95.5%	70.2
Run 06-1	1655.0	1627.6	98.3%	13	2.1	0.19	163.0	1271	98.1%	125.2
Run 06-2	1752.0	1704.3	97.3%	22	2.2	0.31	171.1	1392	98.2%	77.5
Run 06-3	1569.0	1543.3	98.4%	17	1.5	0.26	154.1	1129	97.4%	90.8
Run 07-1	1535.0	1514.8	98.7%	13	1.6	0.21	153.4	1391	99.1%	116.5
Run 07-2	1728.0	1692.7	98.0%	19	1.9	0.27	168.7	1296	98.7%	89.1
Run 07-3	1577.0	1563.1	99.1%	15	0.9	0.23	156.4	1264	98.4%	104.2
Run 08-1	1727.0	1672.0	96.8%	13	4.2	0.19	168.7	1296	95.8%	128.6
Run 08-2	1284.1	1243.7	96.9%	21	1.9	0.41	124.3	1024	95.6%	59.2
Run 08-3	1649.0	1605.3	97.3%	18	2.4	0.27	160.5	1024	99.0%	89.2
Run 09-1	1679.0	1652.5	98.4%	24	1.1	0.35	166.4	1416	98.2%	68.9
Run 09-2	1672.0	1625.6	97.2%	21	2.2	0.31	163.1	1296	96.6%	77.4
Run 09-3	1553.0	1535.8	98.9%	11	1.6	0.17	154.5	1288	99.3%	139.6
Run 10-1	1727.0	1697.6	98.3%	23	1.3	0.33	169.0	1296	98.2%	73.8
Run 10-2	1720.0	1691.4	98.3%	15	1.9	0.21	170.1	1456	98.9%	112.8
Run 10-3	1553.0	1521.2	98.0%	19	1.7	0.30	151.4	1144	97.6%	80.1
Run11-1	1719.0	1689.8	98.3%	14	2.1	0.20	169.4	1416	97.3%	120.7
Run 11-2	1728.0	1695.1	98.1%	23	1.4	0.33	169.1	1272	98.5%	73.7
Run11-3	1545.0	1538.1	99.6%	7	1.0	0.11	154.3	1264	98.4%	219.7
Run12-1	1727.0	1722.4	99.7%	6	0.8	0.08	171.7	1296	97.8%	287.1
TOTAL	72396.5	70194.7	97.0%	1376	1.6	0.47	6596.2	41642.05	97.4%	51.0
Best			99.7%	6		0.08	186.7		99.3%	287.1

Through 4/25/2012, the end of Run 2012-1