

Downtime for Run 2015-1

Fill #	Start	End	Length	Loss Reason	DIN #	Audit	Start	End	User Length	System Length	Cause	System	Group	Type	Description
			0.00		106287		2/3/15 8:00	02/03/15 16:24	8.40	8.40	PS	PS	PS	Inhibits Beam to User	RG2 Thyratron replacement [PS]
1	2/3/15 16:24	2/4/15 13:18	20.90	P0 feedback adj. [AOP]	106289		2/4/15 13:18	02/04/15 13:41	0.38	0.38	AOP	AOP	AOP	Store Lost	
2	2/4/15 13:41	2/5/15 15:25	25.73	RF2 crowbar fault[RF]	106290		2/5/15 15:25	02/05/15 15:56	0.52	0.52	RF	RF	RF	Store Lost	
3	2/5/15 15:56	2/10/15 8:00	112.07	Int Dump: End of Period					0.00	0.00				Scheduled	
			158.70						9.30	9.30					
4	2/11/15 8:00	2/13/15 8:52	48.87	S14 Low Flow Flt[MOM]	106292		2/13/15 8:52	02/13/15 09:10	0.30	0.30	MOM	MOM	MOM	Store Lost	
5	2/13/15 9:10	2/17/15 8:00	94.83	Int Dump: End of Period					0.00	0.00				Scheduled	
			143.70						0.30	0.30					
6	2/18/15 8:00	2/21/15 10:50	74.83	S3A:V3 glitch[PS]	106294		2/21/15 10:50	02/21/15 11:47	0.95						Refill, add. 8A:P0 problem,0.5hr[PS],0.45hr[DIAG]
							2/21/15 10:50	02/21/15 11:20	0.50		PS	PS	PS	Store Lost	
							2/21/15 11:20	02/21/15 11:47	0.45		DIA	DIA	DIA	Inhibits Beam to User	
7	2/21/15 11:47	2/21/15 15:22	3.58	6ID PSS trip [SI]	106295		2/21/15 15:22	02/21/15 15:49	0.45	0.45	SI	SI	SI	Store Lost	
8	2/21/15 15:49	2/24/15 8:00	64.18	Int Dump: End of Period					0.00	0.00				Scheduled	
			142.60						1.40	1.40					
9	2/25/15 8:00	2/27/15 23:39	63.65	S3A:V3 P.S. glitch[PS]	106302		2/27/15 23:39	02/28/15 00:54	1.25	1.25	PS	PS	PS	Store Lost	
10	2/28/15 0:54	3/1/15 11:40	34.77	Power event [OTH]	106303		3/1/15 11:40	03/01/15 12:27	0.78	0.78	ComEd	ComEd	ComEd	Store Lost	
11	3/1/15 12:27	3/2/15 8:00	19.55	Int Dump: End of Period					0.00	0.00				Scheduled	
			117.97						2.03	2.03					
			0.00	IOCS3FB module swap	106304		3/4/15 8:00	03/04/15 08:30	0.50	0.50	CTL	CTL	CTL	Inhibits Beam to User	
12	3/4/15 8:30	3/10/15 8:00	142.50	Int Dump: End of Period					0.00	0.00				Scheduled	
			142.50						0.50	0.50					
			0.00	Software misread of fill pattern	106305		03/11/15 08:00	03/11/15 08:19	0.32	0.32	AOP	AOP	AOP	Inhibits Beam to User	
13	3/11/15 8:19	3/17/15 6:19	142.00	S40A:MT noise [PS]	106307		3/17/15 6:19	03/17/15 06:44	0.42	0.42	PS	PS	PS	Store Lost	
14	3/17/15 6:44	3/17/15 8:00	1.27	Int Dump: End of Period					0.00	0.00				Scheduled	
			143.27						0.73	0.73					
			0.00	RG2 kicker problem			3/18/15 8:00	03/18/15 09:15	1.25	1.25	PS	PS	PS	Inhibits Beam to User	
15	3/18/15 9:15	3/19/15 13:09	27.90	P0 feedback instability [AOP]	106311		3/19/15 13:09	03/19/15 15:06	1.95	1.95	AOP	AOP	AOP	Store Lost	
16	3/19/15 15:06	3/21/15 17:08	50.03	6ID PSS trip [OTHER]	106312		3/21/15 17:08	03/21/15 18:17	1.15	1.15	BL	BL	BL	Store Lost	
17	3/21/15 18:17	3/23/15 9:22	39.08	S37 RF Cav IG fault [RF]	106313		3/23/15 9:22	03/23/15 09:46	0.40	0.40	RF	RF	RF	Store Lost	
18	3/23/15 9:46	3/24/15 8:00	22.23	Int Dump: End of Period					0.00	0.00				Scheduled	
			139.25						4.75	4.75					
			0.00		106314		3/25/15 8:00	03/25/15 08:23	0.38	0.38	RF	RF	RF	Inhibits Beam to User	S40 RF Cav. Power Monitor trip [RF]
20	3/25/15 8:23	3/26/15 2:23	18.00	26ID BPLD failed[DIAG]	106315		3/26/15 2:23	03/26/15 04:52	2.48	2.48	DIA	DIA	DIA	Store Lost	
21	3/26/15 4:52	3/29/15 9:36	76.73	P0 fdbk instability[AOP]	106316		3/29/15 9:36	03/29/15 11:51	2.25	2.25	AOP	AOP	AOP	Store Lost	
22	3/29/15 11:51	3/31/15 8:00	44.15	Int Dump: End of Period					0.00	0.00				Scheduled	
			138.88						5.12	5.12					
23	4/1/15 8:00	4/7/15 8:00	144.00	Int Dump: End of Period					0.00	0.00				Scheduled	
			144.00						0.00	0.00					
24	4/8/15 8:00	4/12/15 21:19	109.32	S8B:Q5 trip [PS]	106320		4/12/15 21:19	04/12/15 23:13	1.90	1.90	PS	PS	PS	Store Lost	
25	4/12/15 23:13	4/14/15 8:00	32.78	Int Dump: End of Period					0.00	0.00				Scheduled	
			142.10						1.90	1.90					
26	4/15/15 8:00	4/15/15 21:01	13.02	9BM PSS trip[SI]	106323		4/15/15 21:01	04/15/15 21:43	0.70	0.70	SI	SI	SI	Store Lost	
27	4/15/15 21:43	4/21/15 8:00	130.28	Int Dump: End of Period					0.00	0.00				Scheduled	
			143.30						0.70	0.70					
			0.00		106325		4/22/15 8:00	04/22/15 08:34	0.57	0.57	RF	RF	RF	Inhibits Beam to User	RF2 Crowbar trip [RF]
29	4/22/15 8:34	4/24/15 15:11	54.62	S37/38 Absorb. Flow[MOM]	106326		4/24/15 15:11	04/24/15 15:44	0.55	0.55	MOM	MOM	MOM	Store Lost	
30	4/24/15 15:44	4/27/15 15:59	72.25		106327		4/27/15 15:59	04/27/15 16:39	0.67	0.67	UNK	UNK	UNK	Store Lost	
31	4/27/15 16:39	4/28/15 8:00	15.35	Int Dump: End of Period					0.00	0.00				Scheduled	
			142.22						1.78	1.78					

Number of Lost Fills 17
 Number of Intentional Dumps 12
 Number of Fills 29

Downtime
 User System
 28.52 28.52

Total User Beam 1698.48
 Total User Downtime 28.52 <-- This downtime includes Gaps Open
 70.8 User Beam days

FII #	Start	End	Length	Loss Reason	DIN #	Audit	Start	End	User Length	System Length	Cause	System	Group	Type	Description
	Total Schedule Run Length		<u>1727</u>												
	Mean Time Between Faults		99.91												
	Faults/Day of Delivered Beam		0.24												
	X-ray Availability		98.35%												