

Downtime for Run 2014-2

Fill #	Start	End	Length	Loss Reason	DIN #	Audit	Start	End	User Length	System Length	Cause	System	Group	Type	Description
1	05/28/14 08:00	05/29/14 02:34	18.57	IOC recovery [CTL]	106155		05/29/14 02:34	05/29/14 03:14	0.67	0.67	AOP	AOP	AOP	Store Lost	
2	05/29/14 03:14	06/1/14 12:57	81.72	11BM PSS fault[SI]	106157		06/01/14 12:57	06/01/14 14:46							
							06/01/14 12:57	06/01/14 13:57	1.00	1.00	SI	SI	SI	Store Lost	
							06/01/14 13:57	06/01/14 14:46	0.82	0.82	DIA	DIA	DIA	Inhibits Beam to User	
3	06/01/14 14:46	06/03/14 08:00	41.23	Int Dump: End of Period					0.00	0.00				Scheduled	
			141.52						2.48	2.48					
4	06/04/14 08:00	06/8/14 2:06	90.10	9BM PSS trip [SI]	106162		06/08/14 02:06	06/08/14 03:17	1.18	1.18	SI	SI	SI	Store Lost	
5	06/08/14 03:17	06/10/14 08:00	52.72	Int Dump: End of Period					0.00	0.00				Scheduled	
			142.82						1.18	1.18					
			0.00	Unstable RF 3 LLRF[RF]	106167		06/11/14 08:00	06/11/14 09:25	1.42	1.42	RF	RF	RF	Inhibits Beam to User	
7	06/11/14 09:25	06/12/12/14 11:05	25.67	Unstable RF3 LLRF [RF]	106169		06/12/14 11:05	06/12/14 12:48	1.72	1.72	RF	RF	RF	Store Lost	
8	06/12/14 12:48	06/12/14 16:30	3.70	S13A:Q4 trip[PS]	106170		06/12/14 16:30	06/12/14 18:54	2.40						
							06/12/14 16:30	06/12/14 18:30	2.00	2.00	PS	PS	PS	Store Lost	
							06/12/14 18:30	06/12/14 18:54	0.40	0.40	AOP	AOP	AOP	Inhibits Beam to User	
9	06/12/14 18:54	06/13/14 16:34	21.67	30-ID BPLD [DIAG]	106171		06/13/14 16:34	06/13/14 17:29	0.92	0.92	DIA	DIA	DIA	Store Lost	
10	06/13/14 17:29	06/17/14 08:00	86.52	Int Dump: End of Period					0.00	0.00				Scheduled	
			137.55						6.45	6.45					
11	06/18/14 08:00	06/18/14 11:38	3.63	RF LL instability[RF]	106175		06/18/14 11:38	06/18/14 13:04	1.43						
							06/18/14 11:38	06/18/14 12:27	0.82	0.82	RF	RF	RF	Store Lost	
							06/18/14 12:27	06/18/14 13:04	0.62	0.62	AOP	AOP	AOP	Inhibits Beam to User	P0 feedback problem
12	06/18/14 13:04	06/23/14 00:55	107.85		106181		06/23/14 00:55	06/23/14 01:49	0.90	0.90	UNK	UNK	UNK	Store Lost	
13	06/23/14 01:49	06/23/14 08:00	6.18	Int Dump: End of Period					0.00	0.00				Scheduled	
			117.67						2.33	2.33					
14	06/25/14 08:00	06/28/14 21:44	85.73	30-ID BPLD trip[DIAG]	106187		06/28/14 21:44	06/28/14 22:34	0.83	0.83	DIA	DIA	DIA	Store Lost	
15	06/28/14 22:34	06/30/14 21:59	47.42	Tornado Warning	106188		06/30/14 21:59	06/30/14 22:28	0.48	0.48	Weather	Weather	Weather	Inhibits Beam to User	
16	06/30/14 22:28	7/3/2014 22:31	72.05	<50mA Helios down[IT]	106189		7/3/2014 22:31	07/04/14 05:50	7.32	7.32	IT	IT	IT	Store Lost	
17	07/04/14 05:50	07/04/14 08:00	2.17	Int Dump: End of Period					0.00	0.00				Scheduled	
			207.37						8.63	8.63					
18	07/08/14 08:00	07/11/14 13:26	77.43	Water flow fault [MOM]	106195		07/11/14 13:26	07/11/14 13:59	0.55	0.55	FMS	FMS	FMS	Store Lost	
19	07/11/14 13:59	07/14/14 08:00	66.02	Int Dump: End of Period					0.00	0.00				Scheduled	
			143.45						0.55	0.55					
20	07/16/14 08:00	07/17/14 10:51	26.85	Human error [UES]	106202		07/17/14 10:51	07/17/14 11:48	0.95	0.95	UES	UES	UES	Store Lost	
21	07/17/14 11:48	07/19/14 9:45	45.95	RF2 Crowbar[RF]	106205		07/19/14 09:45	07/19/14 10:20	0.58	0.58	RF	RF	RF	Store Lost	
22	07/19/14 10:20	7/19/2014 16:57	6.62	S17A:Q4 trip[PS]	106208		7/19/2014 16:57	07/19/14 18:34	1.62	1.62	PS	PS	PS	Store Lost	
23	07/19/14 18:34	07/22/14 08:00	61.43	Int Dump: End of Period					0.00	0.00				Scheduled	
			140.85						3.15	3.15					
24	07/23/14 08:00	07/26/14 1:11	65.18	BPM IOC problem[CTL]	106214		07/26/14 01:11	07/26/14 07:14	6.05	6.05	CTL	CTL	CTL	Store Lost	
25	07/26/14 07:14	7/27/2014 0:51	17.62	S38 Gespac problem[PS]	106215		7/27/2014 0:51	07/27/14 01:25	0.57	0.57	PS	PS	PS	Store Lost	
26	07/27/14 01:25	07/29/14 08:00	54.58	Int Dump: End of Period					0.00	0.00				Scheduled	
			137.38						6.62	6.62					
27	07/30/14 08:00	07/30/14 9:31	1.52	S18 MPS water fault[MOM]	106217		07/30/14 09:31	07/30/14 10:01	0.50	0.50	MOM	MOM	MOM	Store Lost	
28	07/30/14 10:01	8/1/2014 21:18	59.28	RF2 crowbar [RF]	106221		8/1/2014 21:18	08/01/14 21:53	0.58	0.58	RF	RF	RF	Store Lost	
29	08/01/14 21:53	08/05/14 08:00	82.12	Int Dump: End of Period					0.00	0.00				Scheduled	
			142.92						1.08	1.08					
30	08/06/14 08:00	08/7/14 16:07	32.12	Corr.PS @ max.[CTL]	106223		08/07/14 16:07	08/07/14 17:16	1.15	1.15	CTL	CTL	CTL	Store Lost	
31	08/07/14 17:16	08/09/14 08:15	38.98	IOCS29bpm failure[CTL]	106226		08/09/14 08:15	08/09/14 11:56	3.68	3.68	CTL	CTL	CTL	Store Lost	
32	08/09/14 11:56	08/11/14 10:22	46.43	S10B:V1 glitch [PS]	106227		08/11/14 10:22	08/11/14 10:53	0.52	0.52	PS	PS	PS	Store Lost	
33	08/11/14 10:53	8/11/2014 14:23	3.50	S10B:V1 glitch [PS]	106228		8/11/2014 14:23	08/11/14 15:30	1.12	1.12	PS	PS	PS	Store Lost	
34	08/11/14 15:30	08/12/14 08:00	16.50	Int Dump: End of Period					0.00	0.00				Scheduled	
			137.53						6.47	6.47					
35	08/13/14 08:00	08/14/14 21:22	37.37	S37 RF Hybrid flow[MOM]	106233		08/14/14 21:22	08/14/14 22:17	0.92	0.92	MOM	MOM	MOM	Store Lost	
36	08/14/14 22:17	08/19/14 08:00	105.72	Int Dump: End of Period					0.00	0.00				Scheduled	
			143.08						0.92	0.92					
37	08/20/14 08:00	08/20/14 9:24	1.40	11BM EPS trip [SI]	106237		08/20/14 09:24	08/20/14 11:52	2.47						Linac recovery, L3 P.S.;.1.79hr[SI]..68hr.[PS]
							08/20/14 09:24	08/20/14 11:12		1.80	SI	SI	SI	Store Lost	
							08/20/14 11:12	08/20/14 11:52	0.67	0.67	PS	PS	PS	Inhibits Beam to User	
38	08/20/14 11:52	8/22/2014 2:54	39.03	S38 Gespac problem[PS]	106238		8/22/2014 2:54	08/22/14 03:55	1.02	1.02	PS	PS	PS	Store Lost	
39	08/22/14 03:55	08/26/14 08:00	100.08	Int Dump: End of Period					0.00	0.00				Scheduled	
			140.52						3.48	3.48					

Number of Lost Fills 25
 Number of Intentional Dumps 13
 Number of Fills 38

Downtime
 User System
 43.35 43.35

Fill #	Start	End	Length	Loss Reason	DIN #	Audit	Start	End	User Length	System Length	Cause	System	Group	Type	Description
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Total User Beam 1732.65 72.2 User Beam days
Total User Downtime 43.35 <-- This downtime includes Gaps Open
Total Schedule Run Length 1776

Mean Time Between Faults 69.31
Faults/Day of Delivered Beam 0.35

X-ray Availability 97.6%