Magnet Quenches for the RHIC Physics fy03 Run

Date	Fault Location	Ring	Time of Event	Magnet Tap	Magnet Quenched	Cause
12-Dec-02	4b-time.A	Blue	14:24:48 (+) 554033sec	B5DRDX_VT	b5dx	b6-dh0-ps, DCCT Failure
12-Dec-02	4b-time.A	Blue	14:24:48 (+) 554033sec	B6DRDX_VT	b6dx	b6-dh0-ps, DCCT Failure
17-Dec-02	6b-ps1	Yellow	20:39:32 (+) 1892116sec	Y5QDQ8_VT	y5q8	Beam Induced, Operator did Injection while running at Store
18-Dec-02	10a-ps3.A	Blue	02:09:36 (+) 2092876sec	B10DRDX_VT	b10dx	DX Heaters Fired
18-Dec-02	10a-ps3.A	Blue	02:09:36 (+) 2092876sec	B11DRDX_VT	b11dx	DX Heaters Fired
18-Dec-02	10a-ps3.A	Blue	02:09:36 (+) 2092876sec	B12DRDX_VT	b12dx	DX Heaters Fired
18-Dec-02	10a-ps3.A	Blue	02:09:36 (+) 2092876sec	B7DRDX_VT	b7dx	DX Heaters Fired
18-Dec-02	10a-ps3.A	Blue	02:09:36 (+) 2092876sec	B8DRDX_VT	b8dx	DX Heaters Fired
20-Dec-02	10a-ps3.A	Blue	13:53:04 (+) 3575654sec	B11DRDX_VT	b11dx	Power Dip
20-Dec-02	10a-ps3.A	Blue	13:53:04 (+) 3575654sec	B12DRDX_VT	b12dx	Power Dip
20-Dec-02	10a-ps3.A	Blue	13:53:04 (+) 3575654sec	B3DRDX_VT	b3dx	Power Dip
20-Dec-02	10a-ps3.A	Blue	13:53:04 (+) 3575654sec	B4DRDX_VT	b4dx	Power Dip
20-Dec-02	10a-ps3.A	Blue	13:53:04 (+) 3575654sec	B7DRDX_VT	b7dx	Power Dip
20-Dec-02	10a-ps3.A	Blue	13:53:04 (+) 3575654sec	B8DRDX_VT	b8dx	Power Dip
22-Dec-02	10a-ps3.B	Blue	16:18:36 (+) 751848sec	B10DRDX_VT	b10dx	Magnetic Coupling
22-Dec-02	10a-ps3.B	Blue	16:18:36 (+) 751848sec	B5DRDX_VT	b5dx	Magnetic Coupling
22-Dec-02	10a-ps3.B	Blue	16:18:36 (+) 751848sec	B6DRDX_VT	b6dx	Magnetic Coupling
25-Dec-02	10a-ps3.A	Blue	19:18:12 (+) 1776589sec	B10DRDX_VT	b10dx	Magnetic Coupling
25-Dec-02	10a-ps3.A	Blue	19:18:12 (+) 1776589sec	B11DRDX_VT	b11dx	Magnetic Coupling
25-Dec-02	10a-ps3.A	Blue	19:18:12 (+) 1776589sec	B12DRDX_VT	b12dx	Magnetic Coupling
25-Dec-02	10a-ps3.A	Blue	19:18:12 (+) 1776589sec	B1DRDX_VT	b1dx	Magnetic Coupling
25-Dec-02	10a-ps3.A	Blue	19:18:12 (+) 1776589sec	B2DRDX_VT	b2dx	Magnetic Coupling
25-Dec-02	10a-ps3.A	Blue	19:18:12 (+) 1776589sec	B5DRDX_VT	b5dx	Magnetic Coupling
25-Dec-02	10a-ps3.A	Blue	19:18:12 (+) 1776589sec	B6DRDX_VT	b6dx	Magnetic Coupling
25-Dec-02	10a-ps3.A	Blue	19:18:12 (+) 1776589sec	B10QFQ4_6VT	Quad mag Q4, Q5 & Q6	Magnetic Coupling
26-Dec-02	10a-ps3.A	Blue	07:36:52 (+) 3222207sec	B7DRDX_VT	b7dx	Beam Induced, MCR Steer
26-Dec-02	10a-ps3.A	Blue	07:36:52 (+) 3222207sec	B8DRDX_VT	b8dx	Beam Induced, MCR Steer
27-Dec-02	10a-ps3.B	Blue	15:45:00 (+) 1302162sec	B5DRDX_VT	b5dx	Loose Connection, Modicon PLC at Bldg 1010A
27-Dec-02	10a-ps3.B	Blue	15:45:00 (+) 1302162sec	B6DRDX_VT	b6dx	Loose Connection, Modicon PLC at Bldg 1010A
27-Dec-02	10a-ps3.B	Blue	15:45:00 (+) 1302162sec	B7DRDX_VT	b7dx	Loose Connection, Modicon PLC at Bldg 1010A
27-Dec-02	10a-ps3.B	Blue	15:45:00 (+) 1302162sec	B8DRDX_VT	b8dx	Loose Connection, Modicon PLC at Bldg 1010A
3-Jan-03	8b-ps1	Yellow	09:36:12 (+) 347396sec	Y8QFQ3_VT	y8q3	High Beam Losses in the area
8-Jan-03	10a-ps3.A	Blue	23:10:28 (+) 3059066sec	B10DRDX_VT	b10dx	Wrong Ramp Factor
8-Jan-03	10a-ps3.A	Blue	23:10:28 (+) 3059066sec	B11DRDX_VT	b11dx	Wrong Ramp Factor
8-Jan-03	10a-ps3.A	Blue	23:10:28 (+) 3059066sec	B12DRDX_VT	b12dx	Wrong Ramp Factor
14-Jan-03	8b-ps1	Yellow	23:04:48 (+) 1989501sec	Y8QFQ2_VT	y8q2	High Beam Losses in the area
14-Jan-03	8b-ps1	Yellow	23:04:48 (+) 1989501sec	Y9DSA2_A1VT	y9d12	High Beam Losses in the area
16-Jan-03	10a-ps3.A	Blue	15:47:04 (+) 2654320sec	B5DRDX_VT	b5dx	FEC Problem, Controls
16-Jan-03	10a-ps3.A	Blue	15:47:04 (+) 2654320sec	B6DRDX_VT	b6dx	FEC Problem, Controls
16-Jan-03	10a-ps3.A	Blue	15:47:04 (+) 2654320sec	B9DRDX_VT	b9dx	FEC Problem, Controls
17-Jan-03	8b-ps1	Yellow	18:06:40 (+) 3027808sec	Y10QFQ3_VT	y10q3	High Beam Losses in the area
17-Jan-03	8b-ps1	Yellow	18:06:40 (+) 3027808sec	Y8QFQ3_VT	y8q3	High Beam Losses in the area
18-Jan-03	11b-qd1	Blue	16:57:20 (+) 736635sec	B10DSA5_4VT	b10d12	Un-bunched Beam
18-Jan-03	10a-ps3.A	Blue	16:57:20 (+) 736635sec	B10QFQ4_6VT	b10q4	Un-bunched Beam
18-Jan-03	9b-ps1	Yellow	16:57:20 (+) 810937sec	Y9DSA2_A1 VT	y9d12	Un-bunched beam
19-Jan-03	8b-ps1	Yellow	17:32:04 (+) 294068sec	Y8QFQ2_VT	y8q2	High Beam Losses in the area, y08-th2-ps tripped OFF
19-Jan-03	2b-ps1	Blue	17:32:04 (+) 402866sec	B10DRDX_VT	b10dx	High Beam Losses in the area
19-Jan-03	2b-ps1	Blue	17:32:04 (+) 402866sec	B2DRDX_VT	b2dx	High Beam Losses in the area

19-Jan-03	2b-ps1	Blue	17:32:04 (+) 402866sec	B5DRDX_VT	b5dx	High Beam Losses in the area
19-Jan-03	2b-ps1	Blue	17:32:04 (+) 402866sec	B6DRDX_VT	b6dx	High Beam Losses in the area
19-Jan-03	2b-ps1	Blue	17:32:04 (+) 402866sec	B9DRDX_VT	b9dx	High Beam Losses in the area
23-Jan-03	9b-ps1	Yellow	10:10:16 (+) 2553992sec	Y9DSA2_A1VT	y9d12	Un-bunched beam
24-Jan-03	6b-ps1	Blue	11:55:00 (+) 3038981sec	B11DRDX_VT	b11dx	RF Cavity fault, High Beam Losses
24-Jan-03	6b-ps1	Blue	11:55:00 (+) 3038981sec	B12DRDX_VT	b12dx	RF Cavity fault, High Beam Losses
24-Jan-03	6b-ps1	Blue	11:55:00 (+) 3038981sec	B5DRDX_VT	b5dx	RF Cavity fault, High Beam Losses
24-Jan-03	6b-ps1	Blue	11:55:00 (+) 3038981sec	B6DRDX_VT	b6dx	RF Cavity fault, High Beam Losses
24-Jan-03	6b-ps1	Blue	11:55:00 (+) 3038981sec	B10QFQ4_6VT	Quad mag Q4, Q5 & Q6	RF Cavity fault, High Beam Losses
25-Jan-03	8b-ps1	Blue	13:25:32 (+) 1149506sec	B12DRDX_VT	b12dx	Aux Contactor 480vac in Sub-station 1004B
25-Jan-03	8b-ps1	Blue	13:25:32 (+) 1149506sec	B11DRDX_VT	b12dx	Aux Contactor 480vac in Sub-station 1004B
25-Jan-03	8b-ps1	Blue	13:25:32 (+) 1149506sec	B7DRDX_VT	b7dx	Aux Contactor 480vac in Sub-station 1004B
25-Jan-03	8b-ps1	Blue	13:25:32 (+) 1149506sec	B8DRDX_VT	b8dx	Aux Contactor 480vac in Sub-station 1004B
27-Jan-03	2b-ps1	Blue	08:50:36 (+) 3360624sec	B10DRDX_VT	b10dx	dhX Heaters fired
27-Jan-03	2b-ps1	Blue	08:50:36 (+) 3360624sec	B1DRDX_VT	b1dx	dhX Heaters fired
27-Jan-03	2b-ps1	Blue	08:50:36 (+) 3360624sec	B2DRDX_VT	b2dx	dhX Heaters fired
27-Jan-03	2b-ps1	Blue	08:50:36 (+) 3360624sec	B3DRDX_VT	b3dx	dhX Heaters fired
27-Jan-03	2b-ps1	Blue	08:50:36 (+) 3360624sec	B4DRDX_VT	b4dx	dhX Heaters fired
28-Jan-03	8b-ps1	Yellow	10:32:08 (+) 3509220sec	Y8QFQ3_VT	y8q3	Manual Beam Dump, caused high losses in the area
28-Jan-03	8b-ps1	Yellow	22:02:16 (+) 2866310sec	Y9QFA2_A1VT	Sec-9, arc quad	Un-bunched beam due to WrongBucket Use (MCR)
28-Jan-03	8b-ps1	Yellow	22:02:16 (+) 2866310sec	Y8QFQ2_VT	y8q2	Un-bunched beam due to WrongBucket Use (MCR)
28-Jan-03	8b-ps1	Yellow	22:02:16 (+) 2866310sec	Y8QFQ3_VT	y8q3	Un-bunched beam due to WrongBucket Use (MCR)
29-Jan-03	8b-ps1	Yellow	01:33:40 (+) 2300923sec	Y8QFQ2_VT	y8q2	Yellwo Abort Kicker Fault, High beam losses in the area
29-Jan-03	8b-ps1	Yellow	01:33:40 (+) 2300923sec	Y9DSA2_A1VT	y9d12	Yellwo Abort Kicker Fault, High beam losses in the area
31-Jan-03	8b-ps1	Yellow	07:01:48 (+) 444943sec	Y9QFA2_A1VT	Sec-9, arc quad	Yellwo Abort Kicker Fault, High beam losses in the area
31-Jan-03	8b-ps1	Yellow	07:01:48 (+) 444943sec	Y8QFQ2_VT	y8q2	Yellwo Abort Kicker Fault, High beam losses in the area
31-Jan-03	11b-ps1	Blue	22:39:24 (+) 1332375sec	B10DSA5_A4VT	b10d12	High Beam Losses in the arae
1-Feb-03	10a-ps3.A	Yellow	18:44:24 (+) 1327451sec	Y9DSA2_A1VT	Sec-9, arc dipole	Beam Induced, Wrong Ramp used on yi10-q89
1-Feb-03	10a-ps3.A	Yellow	18:44:24 (+) 1327451sec	Y9DRD0_D0	y9d0	Beam Induced, Wrong Ramp used on yi10-q89
3-Feb-03	9b-ps1	Yellow	05:12:04 (+) 2441591sec	Y9DSA2_A1VT	Sec-9, arc dipole	Un-bunched Beam, Gap cleaning
5-Feb-03	6b-ps1	Blue	19:51:16 (+) 3809855sec	B10DSA5_A4VT	b10d12	High Beam Losses in the area
5-Feb-03	6b-ps1	Blue	19:51:16 (+) 3809855sec	B10DSA5_9VT	b10d6	High Beam Losses in the area
5-Feb-03	6b-ps1	Blue	19:51:16 (+) 3809855sec	B10QFQ4_6VT	b10q4	High Beam Losses in the area
5-Feb-03	6b-ps1	Blue	19:51:16 (+) 3809855sec	B6QFQ2_VT	b6q2	High Beam Losses in the area
7-Feb-03	8b-ps1	Yellow	23:00:04 (+) 3729019sec	Y8QFA3_A2VT	Sec-8, arc quad	Yellow Abort Kicker firing problem causing High Beam Losses
7-Feb-03	8b-ps1	Yellow	23:00:04 (+) 3729019sec	Y8QFQ2_VT	y8q2	Yellow Abort Kicker firing problem causing High Beam Losses
7-Feb-03	8b-ps1	Yellow	23:00:04 (+) 3729019sec	Y8QFQ3_VT	y8q3	Yellow Abort Kicker firing problem causing High Beam Losses
8-Feb-03	8b-ps1	Yellow	03:40:20 (+) 1067639sec	Y8QFA3_A2VT	Sec-8, arc quad	Yellow Abort Kicker firing problem causing High Beam Losses
8-Feb-03	8b-ps1	Yellow	03:40:20 (+) 1067639sec	Y9QFA2_A1VT	Sec-9, arc dipole	Yellow Abort Kicker firing problem causing High Beam Losses
8-Feb-03	8b-ps1	Yellow	03:40:20 (+) 1067639sec	Y8QFQ2_VT	y8q2	Yellow Abort Kicker firing problem causing High Beam Losses
8-Feb-03	8b-ps1	Yellow	03:40:20 (+) 1067639sec	Y8QFQ3_VT	y8q3	Yellow Abort Kicker firing problem causing High Beam Losses
8-Feb-03	8b-ps1	Blue	03:40:20 (+) 1109664sec	B8DRDX_VT	b8dx	Yellow Abort Kicker firing problem causing High Beam Losses
8-Feb-03	8b-ps1	Yellow	21:12:00 (+) 370709sec	Y8QFQ2_VT	y8q2	Yellow Abort Kicker firing problem causing High Beam Losses
8-Feb-03	8b-ps1	Yellow	21:12:00 (+) 370709sec	Y8QFQ3_VT	y8q3	Yellow Abort Kicker firing problem causing High Beam Losses
8-Feb-03	8b-ps1	Blue	21:12:00 (+) 495759sec	B8DRDX_VT	b8dx	Yellow Abort Kicker firing problem causing High Beam Losses
9-Feb-03	8b-ps1	Yellow	10:35:20 (+) 1061322sec	Y8QFA3_A2VT	Sec-8, arc quad	Yellow Abort Kicker firing problem causing High Beam Losses
9-Feb-03	8b-ps1	Yellow	10:35:20 (+) 1061322sec	Y9DSA2_A1VT	Sec-9, arc dipole	Yellow Abort Kicker firing problem causing High Beam Losses
9-Feb-03	8b-ps1	Yellow	10:35:20 (+) 1061322sec	Y8QFQ2_VT	y8q2	Yellow Abort Kicker firing problem causing High Beam Losses
10-Feb-03	8b-ps1	Yellow	10:43:20 (+) 578626sec	Y8QFQ2_VT	y8q2	Yellow Abort Kicker firing problem causing High Beam Losses

10-Feb-03	8b-ps1	Yellow	10:43:20 (+) 578626sec	Y8QFQ3_VT	y8q3	Yellow Abort Kicker firing problem causing High Beam Losses
10-Feb-03	8b-ps1	Blue	10:43:20 (+) 586826sec	B8DRDX_VT	b8dx	Yellow Abort Kicker firing problem causing High Beam Losses
11-Feb-03	10a-ps3.A	Blue	03:32:48 (+) 1827754sec	B10DSA5_A4VT	b10d12	High Beam Losses in the area
11-Feb-03	10a-ps3.A	Blue	03:32:48 (+) 1827754sec	B10QFQ4_6VT	b10q4	High Beam Losses in the area
11-Feb-03	10a-ps3.A	Blue	04:57:20 (+) 3979656sec	B10DSA5_A4VT	b10d12	High Beam Losses in the area
11-Feb-03	10a-ps3.A	Blue	04:57:20 (+) 3979656sec	B10QFQ4_6VT	b10q4	High Beam Losses in the area
11-Feb-03	11b-ps1	Blue	11:24:32 (+) 478382sec	B10DSA5_A4VT	b10d12	High Beam Losses in the area
11-Feb-03	11b-ps1	Blue	15:22:04 (+) 3158721sec	B10DSA5_A4VT	b10d12	High Beam Losses in the area
11-Feb-03	11b-ps1	Blue	15:22:04 (+) 3158721sec	B10QFQ4_6VT	b10q4	High Beam Losses in the area
12-Feb-03	6b-ps1	Blue	07:39:32 (+) 2189910sec	B6QFQ3_VT	b6q3	High Beam Losses in the area
13-Feb-03	8b-ps1	Yellow	07:31:36 (+) 2511692sec	Y8QFQ2_VT	y8q2	Yellow Abort Kicker firing problem causing High Beam Losses
17-Feb-03	8b-ps1	Blue	04:52:16 (+) 975699sec	B2DSD5_9VT	b2d8	Yellow Abort Kicker firing problem causing High Beam Losses
17-Feb-03	8b-ps1	Blue	04:52:16 (+) 975699sec	B2QFQ2_VT	b2q2	Yellow Abort Kicker firing problem causing High Beam Losses
17-Feb-03	8b-ps1	Blue	04:52:16 (+) 975699sec	B2QDQ8_VT	b2q8	Yellow Abort Kicker firing problem causing High Beam Losses
17-Feb-03	8b-ps1	Blue	04:52:16 (+) 975699sec	B4QFA6_A7VT	b4q13	Yellow Abort Kicker firing problem causing High Beam Losses
17-Feb-03	8b-ps1	Blue	04:52:16 (+) 975699sec	B5DRD0-D0	b5d0	Yellow Abort Kicker firing problem causing High Beam Losses
17-Feb-03	8b-ps1	Blue	04:52:16 (+) 975699sec	B5QFQ2_VT	b5q2	Yellow Abort Kicker firing problem causing High Beam Losses
17-Feb-03	8b-ps1	Blue	04:52:16 (+) 975699sec	B5QFQ3_VT	b5q3	Yellow Abort Kicker firing problem causing High Beam Losses
17-Feb-03	8b-ps1	Blue	04:52:16 (+) 975699sec	B6QFQ2_VT	b6q2	Yellow Abort Kicker firing problem causing High Beam Losses
17-Feb-03	8b-ps1	Blue	04:52:16 (+) 975699sec	B7QFQ2_VT	b7q2	Yellow Abort Kicker firing problem causing High Beam Losses
18-Feb-03	8b-ps1	Yellow	00:16:44 (+) 1475005sec	Y8QFQ2_VT	y8q2	Yellow Abort Kicker firing problem causing High Beam Losses
18-Feb-03	8b-ps1	Yellow	00:16:44 (+) 1475005sec	Y8QFQ3_VT	y8q3	Yellow Abort Kicker firing problem causing High Beam Losses
28-Feb-03	3b-ps1	Blue	15:42:44 (+2997450)	B5QFQ2_VT	b5q2	High Beam Losses in the area
2-Mar-03	10a-ps3.A	Blue	18:04:20 +3812030	B3DRDX_VT	b3dx	Power Dip
2-Mar-03	10a-ps3.A	Blue	18:04:20 +3812030	B9DRDX_VT	b9dx	Power Dip
4-Mar-03	8b-ps1	Yellow	17:15:04 +2382813	Y8QFQ2_VT	y8q2	High Beam Losses
6-Mar-03	8b-ps1	Yellow	02:30:00 +3682163	Y8QFQ2_VT	y8q2	High Beam Losses
6-Mar-03	8b-ps1	Yellow	02:30:00 +3682163	Y9QFQ6_4VT	y9q4	High Beam Losses
10-Mar-03	10a-ps3.A	Blue	13:34:00 +349117	B10DSA5_A4VT	b10d12	High Beam Losses
10-Mar-03	10a-ps3.A	Blue	13:34:00 +349117	B10QFQ4_6VT	b10q6	High Beam Losses
11-Mar-03	8b-ps1	Yellow	00:34:52 +2019853	Y8QFQ2_VT	y8q2	Yellow Abort Kicker Misfire / High Beam Losses
11-Mar-03	8b-ps1	Yellow	00:34:52 +2019853	Y8QFQ3_VT	y8q3	Yellow Abort Kicker Misfire / High Beam Losses
11-Mar-03	8b-ps1	Yellow	04:10:36 +3969084	Y8QFQ2_VT	y8q2	Yellow Abort Kicker Misfire / High Beam Losses
11-Mar-03	8b-ps1	Yellow	15:14:36 +1837106	Y8QFQ3_VT	y8q3	Yellow Abort Kicker Misfire / High Beam Losses
11-Mar-03	8b-ps1	Yellow	18:20:08 +2212813	Y8QFQ3_VT	y8q3	Yellow Abort Kicker Misfire / High Beam Losses
11-Mar-03	8b-ps1	Yellow	18:20:08 +2212813	Y9QFQ6_4VT	y9q4	Yellow Abort Kicker Misfire / High Beam Losses
13-Mar-03	10a-ps3.A	Blue	11:23:24 +2351989	B10DSA5_A4VT	b10d12	De-bunched Beam
13-Mar-03	10a-ps3.A	Blue	11:23:24 +2351989	B10QFQ4_6VT	b10q4	De-bunched Beam
13-Mar-03	10a-ps3.A	Blue	14:58:04 +3241139	B10DSA5_A4VT	b10d12	De-bunched Beam
13-Mar-03	10a-ps3.A	Blue	14:58:04 +3241139	B10QFQ4_6VT	b10q4	De-bunched Beam
15-Mar-03	8b-ps1	Yellow	05:20:52 +2176563	Y8QFQ3_VT	y8q2	High Beam Losses
20-Mar-03	11b-ps2	Blue	17:59:24 +236288	B10DSA5_A4VT	b10d12	High Beam Losses
20-Mar-03	11b-ps1	Blue	17:59:24 +236288	B10DSA5_9VT	b10d5	High Beam Losses
20-Mar-03	11b-ps3	Blue	17:59:24 +236298	B10QFA3_A2VT	b10q10	High Beam Losses
22-Mar-03	4b-time.A	Blue	08:44:20 +2717205	B3DRDX_VT	b3dx	b4-dhx-ps AC Breaker failed
22-Mar-03	4b-time.A	Blue	08:44:20 +2717205	B4DRDX_VT	b4dx	b4-dhx-ps AC Breaker failed
23-Mar-03	8b-ps1	Yellow	14:22:12 +2312689	Y8QFQ2_VT	y8q2	yellow abort kicker pre-fired
23-Mar-03	8b-ps1	Yellow	14:22:12 +2312689	Y8QFQ3_VT	y8q3	yellow abort kicker pre-fired
24-Mar-03	8b-ps1	Blue	05:39:56 +1792091	B8DRDX_VT	b8dx	Beam studies where in progress at the time, High radiation losses
24-Mar-03	8b-ps1	Yellow	08:33:36 +2079182	Y1DSD9_5VT	D5, D6, D8 & D9	Yellow abort kicker misfire
24-Mar-03	8b-ps1	Yellow	08:33:36 +2079182	Y1DSA2_A1VT	Dipole Arc, Sect 1	Yellow abort kicker misfire
24-Mar-03	8b-ps1	Yellow	08:33:36 +2079182	Y10QFQ3_VT	y10q3	Yellow abort kicker misfire
24-Mar-03	8b-ps1	Yellow	08:33:36 +2079182	Y8QFQ2_VT	y8q2	Yellow abort kicker misfire

24-Mar-03	8b-ps1	Yellow	08:33:36 +2079182	Y8QFQ3_VT	y8q3	Yellow abort kicker misfire
24-Mar-03	8b-ps1	Blue	08:33:36 +2084307	B8DRDX_VT	b8dx	Yellow abort kicker misfire
29-Mar-03	6b-ps1	Blue	10:17:08 +1846834	B5QFQ2_VT	b5q2	High Beam Losses
29-Mar-03	6b-ps1	Blue	15:23:12 +1782804	B5QFQ2_VT	b5q2	High Beam Losses
30-Mar-03	3c-ps1	Yellow	Snapshot = 01:51:23	yi3-snk7-2.3	yi3-snk7-2.3	High Beam Losses, possible as Beam Loss Monitors not functional
30-Mar-03	3c-ps1	Yellow	Snapshot = 01:51:25	yi3-snk7-1.4	yi3-snk7-1.4	High Beam Losses, possible as Beam Loss Monitors not functional
1-Apr-03	9c-ps1	Blue	QD Plot Time = 19:10:59	bi9-snk7-2.3	bi9-snk7-2.3	Beam Losses
1-Apr-03	9c-ps1	Blue	QD Plot Time = 19:11:10	bi9-snk7-1.4	bi9-snk7-1.4	Beam Losses
1-Apr-03	9c-ps1	Blue	QD Plot Time = 21:20:09	bi9-snk7-2.3	bi9-snk7-2.3	Beam Losses
1-Apr-03	9c-ps1	Blue	QD Plot Time = 21:20:20	bi9-snk7-1.4	bi9-snk7-1.4	Beam Losses
1-Apr-03	9c-ps1	Blue	QD Plot Time = 23:32:48	bi9-snk7-1.4	bi9-snk7-1.4	Beam Losses
1-Apr-03	9c-ps1	Blue	QD Plot Time = 23:32:48	bi9-snk7-2.3	bi9-snk7-2.3	Beam Losses
2-Apr-03	9c-ps1	Blue	QD Plot Time = 01:32:23	bi9-snk7-2.3	bi9-snk7-2.3	Beam Losses
2-Apr-03	9c-ps1	Blue	QD Plot Time = 01:32:34	bi9-snk7-1.4	bi9-snk7-1.4	Beam Losses
2-Apr-03	9c-ps1	Blue	QD Plot Time = 05:27:24	bi9-snk7-2.3	bi9-snk7-2.3	Beam Losses
2-Apr-03	9c-ps1	Blue	QD Plot Time = 05:27:35	bi9-snk7-1.4	bi9-snk7-1.4	Beam Losses
5-Apr-03	3c-ps1	Yellow	SnapShot Time = 12:08:50.733	yi3-snk7-2.3	yi3-snk7-2.3	Beam Losses
5-Apr-03	3c-ps1	Yellow	SnapShot Time = 12:08:52.600	yi3-snk7-1.4	yi3-snk7-1.4	Beam Losses
5-Apr-03	3c-ps1	Yellow	SnapShot Time = 13:58:21.233	yi3-snk7-1.4	yi3-snk7-1.4	Beam Losses
5-Apr-03	3c-ps1	Yellow	SnapShot Time =13:58:19.066	yi3-snk7-2.3	yi3-snk7-2.3	Beam Losses
6-Apr-03	3c-ps1	Yellow	QD Plot Time = 20:01:50	yi3-snk7-2.3	yi3-snk7-2.3	Beam Losses
6-Apr-03	3c-ps1	Yellow	QD Plot Time = 20:02:00	yi3-snk7-1.4	yi3-snk7-1.4	Beam Losses
6-Apr-03	3c-ps1	Yellow	SnapShot Time = 09:46:23.833	yi3-snk7-2.3	yi3-snk7-2.3	Beam Losses
6-Apr-03	3c-ps1	Yellow	SnapShot Time = 09:46:25.733	yi3-snk7-1.4	yi3-snk7-1.4	Beam Losses
10-Apr-03	6b-ps1	Blue	19:28:04 +604899	B5QFQ2_VT	b5q2	Beam Losses
13-Apr-03	8b-ps1	Blue	05:39:28 +2111516	B8QFQ2_VT	b8q2	Beam Losses
15-Apr-03	5b-ps1	Blue	14:28:12 +961104	B4QFA6_A7VT	Sec-4, arc quad	Beam Losses
15-Apr-03	10a-ps3.A	Yellow	15:58:52 +1472124	Y9QFBU9_7VT	Sec-9, quad buss	Perturbation due to yo9-snk7-2.3 quenching at 15:58:36.933.
15-Apr-03	9c-ps1	Yellow	Snapshot Time = 15:58:36.933)	yo9-snk7-2.3	yo9-snk7-2.3	wfg error
15-Apr-03	9c-ps1	Yellow	Snapshot Time = 15:58:53.799)	yo9-snk7-1.4	yo9-snk7-1.4	Perturbation due to yo9-snk7-2.3 quenching.
15-Apr-03	9c-ps1	Blue	Snapshot Time = 18:30:31.)	bi9-snk7-2.3	bi9-snk7-2.3	Kicker timing off
15-Apr-03	3c-ps1	Blue	Snapshot Time = 18:30:31.766)	bo3-snk7-2.3	bo3-snk7-2.3	Kicker timing off
15-Apr-03	9c-ps1	Blue	Snapshot Time = 18:30:33.)	bi9-snk7-1.4	bi9-snk7-1.4	Perturbation due to bi9-snk7-2.3 quenching.
15-Apr-03	3c-ps1	Blue	Snapshot Time = 18:30:35.733)	bo3-snk7-1.4	bo3-snk7-1.4	Perturbation due to bo3-snk7-2.3 quenching.
15-Apr-03	9c-ps1	Yellow	Snapshot Time = 20:43:27.866)	yo9-snk7-2.3	yo9-snk7-2.3	Magnet Problem, #2 break in Super Conductor
15-Apr-03	9c-ps1	Yellow	Snapshot Time = 20:43:29.833)	yo9-snk7-1.4	yo9-snk7-1.4	Perturbation due to yo9-snk7-2.3 quenching.
20-Apr-03	8b-ps1	Yellow	17:24:48 +2824846	Y7QFQ2_VT	y7q2	Beam Losses
20-Apr-03	5b-ps1	Blue	19:30:52 +3929732	B4QFA6_A7VT	b4q11	Beam Losses
23-Apr-03	5b-ps1	Blue	08:03:16 +3758060	B4QFA6_A7VT.	b4q11	Beam Losses
25-Apr-03	6b-ps1	Blue	08:41:40 +901616	B6QFQ3_VT	b6-q3	Beam Losses
26-Apr-03	6b-ps1	Blue	12:11:56 +948922	B6QFQ2_VT	b6-q2	Beam Losses
26-Apr-03	6b-ps1	Blue	12:11:56 +948922	B6QFQ3_VT	b6-q3	Beam Losses
29-Apr-03	8b-ps1	Yellow	01:59:20 +11831	Y7QFQ2_VT	y7q2	Beam Losses
1-May-03	5b-ps1	Blue	23:41:20 +3784718	B4QFA6_A7VT	Sec-4, arc quad	Beam Losses
6-May-03	9c-ps1	Yellow	Snapshot = 00:02:34.433	YO9-SNK7-1.4	yo9-snk7-1.4	Beam Losses
10-May-03	8b-ps1	Blue	05:28:32 +2578349	B8DRBU9_0VT	DR Buss 9-0	Buss quenched because of warm gas from both spin rotators quenching.
10-May-03	9a-ps3	Blue	Snapshot = 05:28:09.766	BI8-ROT3-1.4	bi8-rot3-1.4	P.S. Iiref dropped and caused very high ramp rate
10-May-03	9a-ps3	Blue	Snapshot = 05:28:15.333	BI8-ROT3-2.3	bi8-rot3-2.3	Cause by warm gas from the quench of bi8-rot3-1.4
13-May-03	6b-ps1	Blue	01:27:24 +2493361	B6QFQ3_VT	b6q3	

16-May-03	6b-ps1	Blue	20:06:36 +513403	B5QFQ2_VT	b5q2	bi4-tq4-ps tripped off causing beam loss.
18-May-03	6b-ps1	Blue	17:52:56 +3553649	B12QFQ4_6VT	b12q4	High Beam Losses
18-May-03	6b-ps1	Blue	17:52:56 +3553649	B5QFQ2_VT	b5q2	High Beam Losses
18-May-03	6b-ps1	Blue	17:52:56 +3553649	B5QFQ3_VT	b5q3	High Beam Losses
18-May-03	6b-ps1	Blue	17:52:56 +3553649	B6QFQ2_VT	b6q2	High Beam Losses
21-May-03	4b-time.A	Blue	00:41:48 +2000284	B3QDQ8_VT	Real Buss quench at B3QDQ8_VT	Gas Cooled Lead Interlock from bo3-snk7-2.3.
21-May-03	3c-ps1	Blue	Snapshot = 00:41:48.700	B03SNK7R2_GL (bo3-snk7-2.3)	B03SNK7R2_GL (bo3-snk7-2.3)	Gas Cooled Lead Interlock.
21-May-03	3c-ps1	Blue	Snapshot = 00:41:52.333	bo3-snk7-1.4	bo3-snk7-1.4	bo3-snk7-2.3 quench, perturbation occurring caused this to quench
21-May-03	3c-ps1	Blue	Snapshot = 01:59:48.833	B03SNK7R2_GL (bo3-snk7-2.3)	B03SNK7R2_GL (bo3-snk7-2.3)	Gas Cooled Lead Interlock.
21-May-03	3c-ps1	Blue	Snapshot= 01:59:52.766	bo3-snk7-1.4	bo3-snk7-1.4	bo3-snk7-2.3 quench, perturbation occurring caused this to quench
25-May-03	4b-time.A	Blue	05:28:16 +1198731	B3QFBU9_7VT	Real Buss quench at QF Buss 9-7	Gas Cooled Lead Interlock from bo3-snk7-2.3.
25-May-03	3c-ps1	Blue	Snapshot = 05:28:15.933	B03SNK7R2_GL (bo3-snk7-2.3)	B03SNK7R2_GL (bo3-snk7-2.3)	Gas Cooled Lead Interlock.
25-May-03	3c-ps1	Blue	Snapshot = 05:28:19.466	bo3-snk7-1.4	bo3-snk7-1.4	bo3-snk7-2.3 quench, perturbation occurring caused this to quench
26-May-03	10a-ps3.A	Blue	16:48:20 +454550	B9QDQ8_VT	Real Buss quench at B9Q8	Gas Cooled Lead Interlock from bo3-snk7-2.3.
26-May-03	9c-ps1	Blue	Snapshot Time = 16:48:19.433	Bi9-snk7-2.3	Bi9-snk7-2.3	Unexplained
26-May-03	9c-ps1	Blue	Snapshot Time = 16:48:21.433	bi9-snk7-1.4	bi9-snk7-1.4	bi9-snk7-2.3 quench, perturbation occurring caused this to quench
30-May-03	8b-ps1	Blue	16:53:28 +1843792	B8QFQ2- VT	b8q2	beam studies, very high beam loss at this location (SUMMER SHUTDOWN - End of thePhysics fy03 Program)
30-May-03	9c-ps1	Yellow	Snapshot Time = 13:42:41.766	yo9-snk7-1.4	yo9-snk7-1.4	yo9-snk7-1.4 quenched during beam injection
30-May-03	9c-ps1	Yellow	Snapshot Time = 15:44:22.600	yo9-snk7-1.4	yo9-snk7-1.4	yo9-snk7-1.4 quenched during beam injection
30-May-03	9c-ps1	Yellow	Snapshot Time = 16:23:28.033	yo9-snk7-1.4	yo9-snk7-1.4	yo9-snk7-1.4 quenched during beam injection

Magnet Quench Causes by Loaction for the RHIC Physics fy03 Run

Ring	Magnet Tap	Actual Magnet	Times	Cause
Blue	B03SNK7R2_GL (bo3-snk7-2.3)	B03SNK7R2_GL (bo3-snk7-2.3)	3	(3x) Gas Cooled Lead Interlock.
Blue	B10DSA5_A4VT	b10d12	11	Beam Induced due to de-bunch / high losses
Blue	B10DSA5_9VT	b10d5	1	High Beam Losses
Blue	B10DSA5_9VT	b10d6	1	High Beam Losses in the area
Blue	B10DRDX_VT	b10dx	6	
Blue	B10QFA3_A2VT	b10q10	1	High Beam Losses
Blue	B10QFQ4_6VT	b10q4	7	Beam Induced due to de-bunch / high losses
Blue	B10QFQ4_6VT	b10q6	1	High Beam Losses
Blue	B11DRDX_VT	b11dx	5	Coupling, (1) Power Dip, (1) Heaters Fired
Blue	B11DRDX_VT	b12dx	7	
Blue	B12QFQ4_6VT	b12q4	1	(1x) High Beam Losses
Blue	B1DRDX_VT	b1dx	2	(2) Magnetic Coupling - dhX Heaters fired
Blue	B2DSD5_9VT	b2d8	1	Yellow Abort Kicker firing problem causing High Beam Losses
Blue	B2DRDX_VT	b2dx	3	
Blue	B2QFQ2_VT	b2q2	1	Yellow Abort Kicker firing problem causing High Beam Losses
Blue	B2QDQ8_VT	b2q8	1	Yellow Abort Kicker firing problem causing High Beam Losses
Blue	B3DRDX_VT	b3dx	4	(1) b4-dhx-ps AC Breaker failed, (2) Power Dip, (1) Heaters fired
Blue	B4DRDX_VT	b4dx	3	(1) b4-dhx-ps AC Breaker failed, (1) Power Dip, (1) Heaters fired
Blue	B4QFA6_A7VT.	b4q11	2	(2) Beam Losses
Blue	B4QFA6_A7VT	b4q13	1	Yellow Abort Kicker firing problem causing High Beam Losses

Blue	B5DRD0-D0	b5d0	1	Yellow Abort Kicker firing problem causing High Beam Losses
Blue	B5DRDX_VT	b5dx	7	
Blue	B5QFQ2_VT	b5q2	7	Beam Losses; (2x) bi4-tq4-ps tripped off causing beam loss.
Blue	B5QFQ3_VT	b5q3	2	Losses
Blue	B6DRDX_VT	b6dx	7	
Blue	B6QFQ2_VT	b6q2	4	Losses
Blue	B6QFQ3_VT	b6q3	4	(3x) High Beam Losses in the area; (1x) Beam loss due to the lead flow fault for the blue corrector p.s. in alcove 5b.
Blue	B7DRDX_VT	b7dx	5	
Blue	B7QFQ2_VT	b7q2	1	(1x) Yellow Abort Kicker firing problem causing High Beam Losses
Blue	B8DRDX_VT	b8dx	10	
Blue	B8QFQ2_VT	b8q2	2	
Blue	B9DRDX_VT	b9dx	3	
Blue	BI8-ROT3-1.4	bi8-rot3-1.4	1	
Blue	BI8-ROT3-2.3	bi8-rot3-2.3	1	
Blue	bi9-snk7-1.4	bi9-snk7-1.4	7	
Blue	bi9-snk7-2.3	bi9-snk7-2.3	7	
Blue	bo3-snk7-1.4	bo3-snk7-1.4	4	(4x) Perturbation due to bo3-snk7-2.3 quenching.
Blue	bo3-snk7-2.3	bo3-snk7-2.3	1	(1x) Kicker timing off
Yellow	Y1DSD9_5VT	D5, D6, D8 & D9	1	(1x) Yellow abort kicker misfire

Magnet Quench Causes by Loaction for the RHIC Physics fy03 Run

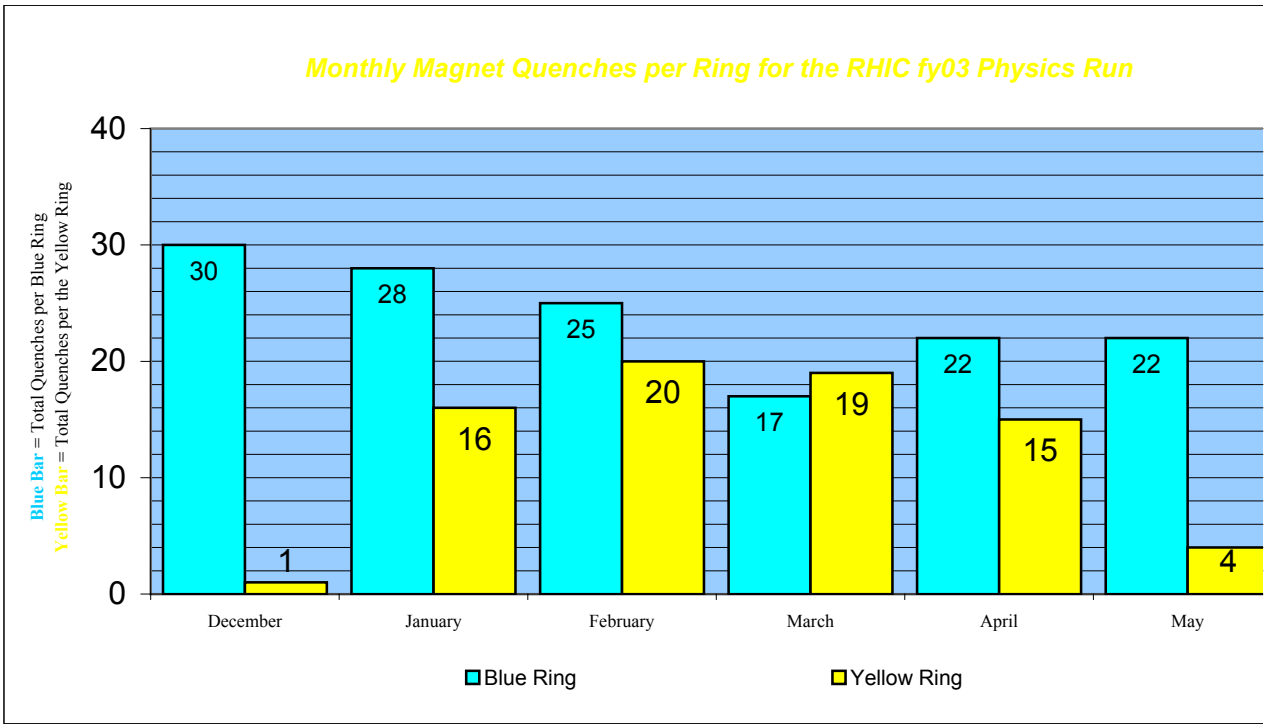
Yellow	Y1DSA2_A1VT	Dipole Arc, Sect 1	1	(1x) Yellow abort kicker misfire
Blue	B8DRBU9_0VT	DR Buss 9-0	1	quenching.
Blue	B10QFQ4_6VT	Quad mag Q4, Q5 & Q6	2	(1x) Magnetic Coupling; (1x) RF Cavity fault, High Beam Losses
Blue	B3QDQ8_VT	Real Buss quench at B3QDQ8_VT	1	(1x) Gas Cooled Lead Interlock from bo3-snk7-2.3.
Blue	B9QDQ8_VT	Real Buss quench at B9Q8	1	(1x) Gas Cooled Lead Interlock from bo3-snk7-2.3.
Blue	B3QFBU9_7VT	Real Buss quench at QF Buss 9-7	1	(1x) Gas Cooled Lead Interlock from bo3-snk7-2.3.
Blue	B4QFA6_A7VT	Sec-4, arc quad	2	(2x) Beam Losses
Yellow	Y8QFA3_A2VT	Sec-8, arc quad	3	(3x) Yellow Abort Kicker firing problem causing High Beam Losses
Yellow	Y9DSA2_A1VT	Sec-9, arc dipole	4	
Yellow	Y9QFA2_A1VT	Sec-9, arc quad	2	due to WrongBucket Use (MCR)
Yellow	Y9QFBU9_7VT	Sec-9, quad buss	1	
Yellow	Y10QFQ3_VT	y10q3	2	
Yellow	Y5QDQ8_VT	y5q8	1	(1x) Beam Induced, Operator did Injection while running at Store
Yellow	Y7QFQ2_VT	y7q2	2	(2x) Beam Losses
Yellow	Y8QFQ2_VT	y8q2	19	Abort Kicker firing problem causing High Beam Losses
Yellow	Y8QFQ3_VT	y8q3	14	Abort Kicker firing problem causing High Beam Losses
Yellow	Y9DRD0_D0	y9d0	1	(1X) Beam Induced, Wrong Ramp used on yi10-q89
Yellow	Y9DSA2_A1VT	y9d12	4	Kicker Fault, High beam losses in the area
Yellow	Y9QFQ6_4VT	y9q4	2	(2x) Yellow Abort Kicker Misfire / High Beam Losses
Yellow	yi3-snk7-1.4	yi3-snk7-1.4	5	Losses
Yellow	yi3-snk7-2.3	yi3-snk7-2.3	5	Losses

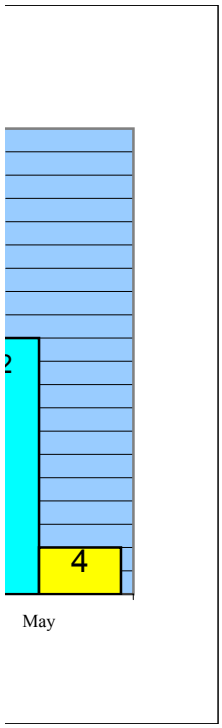
Yellow	yo9-snk7-1.4	yo9-snk7-1.4	6	(3x) yo9-snk7-1.4 quenched during beam injection
Yellow	yo9-snk7-2.3	yo9-snk7-2.3	2	
		Totals:	219	

Ring	Location:	QD-Magnet Tap	Actual Magnet	No. of Times	Sector
Blue	3c-ps1	B03SNK7R2_GL (bo3-snk7-2.3)	B03SNK7R2_GL (bo3-snk7-2.3)	3	3
Blue	6b-ps1	B10DSA5_A4VT	b10d12	11	10
Blue	11b-ps1	B10DSA5_9VT	b10d5	1	10
Blue	6b-ps1	B10DSA5_9VT	b10d6	1	10
Blue	2b-ps1	B10DRDX_VT	b10dx	6	10
Blue	11b-ps3	B10QFA3_A2VT	b10q10	1	10
Blue	10a-ps3.A	B10QFQ4_6VT	b10q4	7	10
Blue	10a-ps3.A	B10QFQ4_6VT	b10q6	1	10
Blue	6b-ps1	B11DRDX_VT	b11dx	5	11
Blue	10a-ps3.A	B12DRDX_VT	b12dx	7	12
Blue	6b-ps1	B12QFQ4_6VT	b12q4	1	12
Blue	2b-ps1	B1DRDX_VT	b1dx	2	1
Blue	8b-ps1	B2DSD5_9VT	b2d8	1	2
Blue	2b-ps1	B2DRDX_VT	b2dx	3	2
Blue	8b-ps1	B2QFQ2_VT	b2q2	1	2
Blue	8b-ps1	B2QDQ8_VT	b2q8	1	2
Blue	2b-ps1	B3DRDX_VT	b3dx	2	3
Blue	4b-time.A	B3DRDX_VT	b3dx	2	3
Blue	4b-time.A	B4DRDX_VT	b4dx	3	4
Blue	5b-ps1	B4QFA6_A7VT.	b4q11	2	4
Blue	8b-ps1	B4QFA6_A7VT	b4q13	1	4
Blue	8b-ps1	B5DRD0-D0	b5d0	1	5
Blue	10a-ps3.A	B5DRDX_VT	b5dx	7	5
Blue	6b-ps1	B5QFQ2_VT	b5q2	7	5
Blue	6b-ps1	B5QFQ3_VT	b5q3	2	5
Blue	6b-ps1	B6DRDX_VT	b6dx	7	6
Blue	6b-ps1	B6QFQ2_VT	b6-q2	4	6
Blue	6b-ps1	B6QFQ3_VT	b6-q3	4	6
Blue	8b-ps1	B7DRDX_VT	b7dx	5	7
Blue	8b-ps1	B7QFQ2_VT	b7q2	1	7
Blue	10a-ps3.B	B8DRDX_VT	b8dx	10	8
Blue	8b-ps1	B8QFQ2_VT	b8q2	2	8
Blue	10a-ps3.A	B9DRDX_VT	b9dx	3	9
Blue	9a-ps3	BI8-ROT3-1.4	bi8-rot3-1.4	1	8
Ring	Location:	QD-Magnet Tap	Actual Magnet	No. of Times	Sector

Blue	9a-ps3	BI8-ROT3-2.3	bi8-rot3-2.3	1	8
Blue	9c-ps1	bi9-snk7-1.4	bi9-snk7-1.4	7	9
Blue	9c-ps1	bi9-snk7-2.3	bi9-snk7-2.3	7	9
Blue	3c-ps1	bo3-snk7-1.4	bo3-snk7-1.4	4	3
Blue	3c-ps1	bo3-snk7-2.3	bo3-snk7-2.3	1	3
Yellow	8b-ps1	Y1DSD9_5VT	D5, D6, D8 & D9	1	1
Yellow	8b-ps1	Y1DSA2_A1VT	Dipole Arc, Sect 1	1	1
Blue	8b-ps1	B8DRBU9_0VT	DR Buss 9-0	1	8
Blue	6b-ps1	B10QFQ4_6VT	Quad mag Q4, Q5 & Q6	2	10
Blue	4b-time.A	B3QDQ8_VT	Real Buss quench at B3QDQ8_VT	1	3
Blue	10a-ps3.A	B9QDQ8_VT	Real Buss quench at B9Q8	1	9
Blue	4b-time.A	B3QFBU9_7VT	Real Buss quench at QF Buss 9-7	1	3
Blue	5b-ps1	B4QFA6_A7VT	Sec-4, arc quad	1	4
Blue	5b-ps1	B4QFA6_A7VT	Sec-5, arc quad	1	4
Yellow	8b-ps1	Y8QFA3_A2VT	Sec-8, arc quad	3	8
Yellow	8b-ps1	Y9QFA2_A1VT	Sec-9, arc dipole	4	9
Yellow	8b-ps1	Y9QFA2_A1VT	Sec-9, arc quad	2	9
Yellow	10a-ps3.A	Y9QFBU9_7VT	Sec-9, quad buss	1	9
Yellow	8b-ps1	Y10QFQ3_VT	y10q3	2	10
Yellow	6b-ps1	Y5QDQ8_VT	y5q8	1	5
Yellow	8b-ps1	Y7QFQ2_VT	y7q2	2	7
Yellow	8b-ps1	Y8QFQ3_VT	y8q2	19	8
Yellow	8b-ps1	Y8QFQ3_VT	y8q3	14	8
Yellow	10a-ps3.A	Y9DRD0_D0	y9d0	1	9
Yellow	8b-ps1	Y9DSA2_A1VT	y9d12	4	9
Yellow	8b-ps1	Y9QFQ6_4VT	y9q4	2	9
Yellow	3c-ps1	yi3-snk7-1.4	yi3-snk7-1.4	5	3
Yellow	3c-ps1	yi3-snk7-2.3	yi3-snk7-2.3	5	3
Yellow	9c-ps1	yo9-snk7-1.4	yo9-snk7-1.4	6	9
Yellow	9c-ps1	yo9-snk7-2.3	yo9-snk7-2.3	2	9
		Total Real Magnet quenches:		219	

Month	Blue Ring	Yellow Ring	Total QLI
December	30	1	31
January	28	16	44
February	25	20	45
March	17	19	36
April	22	15	37
May	22	4	26
Totals	144	75	219

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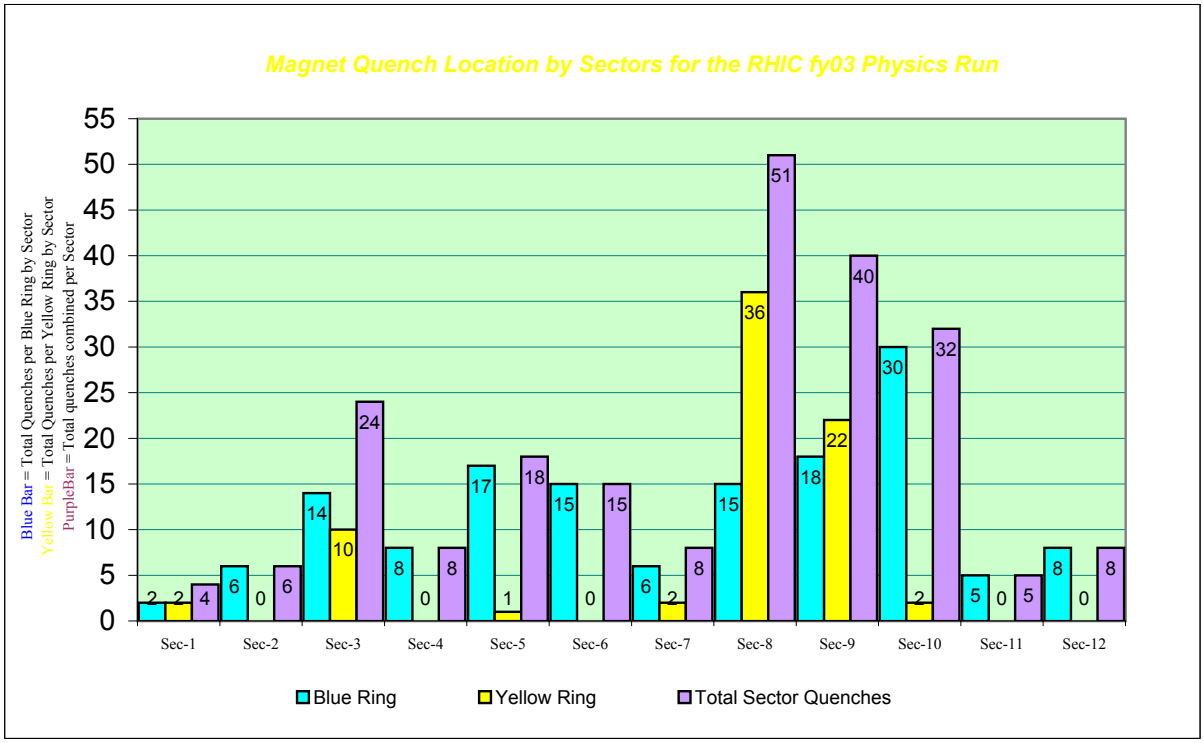
May

Sector	Blue Ring	Yellow Ring	Total Sector Quenches
Sec-1	2	2	4
Sec-2	6	0	6
Sec-3	14	10	24
Sec-4	8	0	8
Sec-5	17	1	18
Sec-6	15	0	15
Sec-7	6	2	8
Sec-8	15	36	51
Sec-9	18	22	40
Sec-10	30	2	32
Sec-11	5	0	5
Sec-12	8	0	8
Total QLI	**144**	**75**	**219**



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