

Date:	Reference ID	Events	Alcove	Ident.	Technical Notes	Quench Induced Type	Beam Induced:	3C	5C	7A	7C	9A	9C
2-Apr	SQ-001	1	3C	yi3-snk7-2.3	Supply steady at Idle Current of 1.08 amps when the Voltage and Current spiked causing the quench detector to trip the supply. Maximum levels at trip: Current = 5.53 amps, voltage = 8.55 volts. Iref remained constant therefore eliminating the current regulator card for relay setpoint un-stabilization.	Power Supply		1					
2-Apr	SQ-002	1	3C	yi3-snk7-2.3	Waldo, you *&####! bloody idiot. That was way too fast. You needed to multiply by 2 not divide by 2. I should put in 120 s for 50A from 1A.waldooops	Wrong Ramp, Operator		1					
	SQ-002		9C	yo9-snk7-2.3	Waldo, you *&####! bloody idiot. That was way too fast. You needed to multiply by 2 not divide by 2. I should put in 120 s for 50A from 1A.waldooops	Wrong Ramp, Operator							
3-Apr	SQ-003	1	9C	yo9-snk7-2.3	Could have caught it if I had armed the snake blms.;Mei	Beam 001	1						1
	SQ-003		9C	yo9-snk7-1.4		Perturbation (Heat Transfer)							1
3-Apr	SQ-004	1	3C	yi3-snk7-2.3	yi3snk7-2.3 tripped because the ps had a sudden jump in current. This caused the quench detector to trip. Then 2.4 sec later yi3snk7-1.4 quenched due to warm gas from yi3snk7-2.3 tripping and then quenching.Ganetis	Power Supply		1					
	SQ-004		3C	yi3-snk7-1.4		Perturbation (Heat Transfer)		1					
4-Apr	SQ-005	1	3C	yi3-snk7-2.3	yi3-snk7-2.3 tripped because the ps had a sudden drop in current. This caused the quench detector to trip. Then 2.4 sec later yi3-snk7-1.4 quenched due to warm gas from yi3-snk7-2.3 tripping and then quenching. This is an on going ps problem with yi3-snk7-2.3. It has tripped at least once a day. D. Bruno should get time to fix this. This was not caused by any beam loss. Ganetis	Power Supply		1					
	SQ-005		3C	yi3-snk7-1.4		Perturbation (Heat Transfer)		1					
8-Apr	SQ-006	1	9C	bi9-snk7-2.3	Snake trip was caused by 9c-qd1 quench detector. The quench detector tripped because of a real quench in bi9-snk7-2.3 coil 3 inner. The magnet quench because it was ramped too fast. This magnet has a known problem with ramp rates. The rate that caused the quench was .66 Amps/sec. The normal rate for this magnet is .5 Amps/sec.Ganetis	Snk7-2.3 Fast Ramp							1
	SQ-006		9C	bi9-snk7-1.4		Perturbation (Heat Transfer)							1
8-Apr	SQ-007	1	3C	yi3-snk7-2.3	Snake trip was caused by 3c-qd1 quench detector. The quench detector tripped because of a real quench in yi3-snk7-2.3 coil 3 inner. The beam permit tripped after the snake trip. There were beam losses at y3-lm7.2 snk. Magnet yi3-snk7-1.4 also quenched due to warm gas from the yi3-snk7-2.3 quench. There is now 2 beam induced snake quenches for this run.	Beam 002	1	1					
	SQ-007		3C	yi3-snk7-1.4	Ganetis	Perturbation (Heat Transfer)		1					
8-Apr	SQ-008	1	3C	yi3-snk7-2.3	Snake trip was caused by 3c-qd1 quench detector. The quench detector tripped because of a real quench in yi3-snk7-2.3 coil 3 inner. The beam permit tripped after the snake trip. There were beam losses at y3-lm7.2 snk. Magnet yi3-snk7-1.4 also quenched due to warm gas from the yi3-snk7-2.3 quench. There is now 3 beam induced snake quenches for this run.	Beam 003	1	1					
	SQ-008		3C	yi3-snk7-1.4	Ganetis	Perturbation (Heat Transfer)		1					
14-Apr	SQ-009	1	3C	yi3-snk7-2.3	There was a power failure at 1004B today at 14:17. The snake magnets quenched at 14:36 because the UPS at 1004B, which keeps the event link up ran out of battery power. When the event link goes down the setpoint drops to zero very quickly and the snake magnets quench if they are above 20A. We had 19 minutes to ramp down the snake power supplies if we would have had an alarm from the UPS that keeps the event link up. The alarm would tell us that the batteries in the UPS have started delivering power. We think it would be very good to get an alarm to the alarm screen from this UPS so we know we know that the event link will go down in 19 minutes and we can ramp the snakes down before the event link goes away.Don Bruno	720Hz Permit Fail, Power Fail 1004B		1					
	SQ-009		3C	yi3-snk7-1.4		720Hz Permit Fail, Power Fail 1004B		1					
	SQ-009		3C	bo3-snk7-2.3		720Hz Permit Fail, Power Fail 1004B		1					
	SQ-009		3C	bo3-snk7-1.4		720Hz Permit Fail, Power Fail 1004B		1					
	SQ-009		9C	yo9-snk7-2.3		720Hz Permit Fail, Power Fail 1004B							1
	SQ-009		9C	yo9-snk7-1.4		720Hz Permit Fail, Power Fail 1004B							1
	SQ-009		9C	bi9-snk7-2.3		720Hz Permit Fail, Power Fail 1004B							1
	SQ-009		9C	bi9-snk7-1.4		720Hz Permit Fail, Power Fail 1004B							1
19-Apr	SQ-010	1	5C	yo5-rot3-2.3	The rotator p.s.'s in alcove 5c have been recovered using TAPE and are set to 1 amp. I think they the p.s.'s tripped because the 5c quench detector had to be reset due to a communication problem.Don Bruno	5c-qd1 Quench Detector Reset			1				
	SQ-010		5C	yo5-rot3-1.4		5c-qd1 Quench Detector Reset			1				
	SQ-010		5C	bi5-rot3-2.3		5c-qd1 Quench Detector Reset			1				
	SQ-010		5C	bi5-rot3-1.4		5c-qd1 Quench Detector Reset			1				
22-Apr	SQ-011	1	9C	yo9-snk7-2.3	Two snake magnets, bi9-snk7-2.3 and yo9-snk7-2.3 tripped due to gas cooled lead fault on the 9c-qd1 quench detector. The Cryo group was fixing a flow read back problem at the time and they reduced the flow at least 10 min. before the quench detector tripped. There was not a problem with the flow before they went to fix their read back problem. Also bi9-snk7-1.4 and yo9-snk7-1.4 quenched due to warm gas caused by the other snake magnets quenching.Ganetis	Cryogenics							1
	SQ-011		9C	yo9-snk7-1.4		Perturbation (Heat Transfer)							1
	SQ-011		9C	bi9-snk7-2.3		Cryogenics							1
	SQ-011		9C	bi9-snk7-1.4		Perturbation (Heat Transfer)							1



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Date:	Reference ID	Events	Alcove	Ident.	Technical Notes	Quench Induced Type	Beam Induced:	3C	5C	7A	7C	9A	9C
3-May	SQ-013	1	3C	yi3-snk7-2.3	All Snake Magnets quenched at the same time. Verified that a power dip had occurred 22:17:16 as multiple 280 line voltage monitors indicated a dip from 300vac down to 196vac for approximately 0.10 seconds. Since the power supplies are not on UPS systems, this was the cause of the quench events. (Spin Rotators for 5C, 7A, 7C and 9A also tripped but were running at zero currents and therefore are not listed as Real Magnet Quenches) <a href="#">G. Heppner</a>	Power Dip		1					
	SQ-013		3C	yi3-snk7-1.4		Power Dip		1					
	SQ-013		3C	bo3-snk7-2.3		Power Dip		1					
	SQ-013		3C	bo3-snk7-1.4		Power Dip		1					
	SQ-013		9C	yo9-snk7-2.3		Power Dip							1
	SQ-013		9C	yo9-snk7-1.4		Power Dip							1
	SQ-013		9C	bi9-snk7-2.3		Power Dip							1
	SQ-013		9C	bi9-snk7-1.4		Power Dip							1
6-May	SQ-014	1	3C	yi3-snk7-2.3	Snake trip was caused by 3c-qi1 quench detector. The quench detector tripped because of a real quench in yi3-snk7-2.3 coil 3 inner. The beam permit tripped .062 sec. before the snake trip. There was beam losses at y3-lm7.2 snk. Magnet yi3-snk7-1.4 also quenched due to warm gas from the yi3-snk7-2.3 quench. There is now 4 beam induced snake quenches for this run. <a href="#">Ganets</a>	Beam 004	1	1					
	SQ-014		3C	yi3-snk7-1.4		Perturbation (Heat Transfer)		1					
<b>Total Counts:</b>		<b>2</b>					<b>1</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>
<b>Total Quench Events:</b>		<b>2</b>											
<b>Beam Induced Quenches:</b>		<b>1</b>											
<b>Total Magnets Quenched:</b>		<b>10</b>											