

SUPENANOGAN INTERLOCKS		25-Mar-09		
DEVICE	INTERLOCK TO TURN ON	INTERLOCK TO TURN OFF	TRIP	
MCIS:BP1	none	none	none	
MCIS:BP2	none	none	none	
MCIS:BV1	MCIS:CG1A < MCIS:CG1 OR MCIS:CG1A < 50mTorr OR MCIS:BV1 open	none	none	close if MCIS:TP1 off
MCIS:BV2	MCIS:CG1A < MCIS:CG1 OR MCIS:CG1A < 50mTorr OR MCIS:BV2 open	none	none	close if MCIS:TP2 off
MCIS:CG1	none	none	none	
MCIS:CG1A	none	none	none	
MCIS:CG1B	none	none	none	
MCIS:CG2	none	none	none	
MCIS:IG1	MCIS:CG1 < 10 mTorr AND (MCIS:TP1 on OR MCIS:TP2 on)	none	compliment	
MCIS:IV1	MCIS:CART in AND MCIS:IG1 ok AND IOS:IV0 open AND IOS:IG1 ok AND IOS:IV7 closed	none	compliment	
MCIS:MFC1	none	none	none	
MCIS:MFC2	none	none	none	
MCIS:MODE1	none	none	none	
MCIS:MODE2	none	none	none	
MCIS:PG1	none	none	none	
MCIS:PG2	none	none	none	
MCIS:PG3	none	none	none	
MCIS:PV1	((((MCIS:CG1B < MCIS:CG1A OR MCIS:CG1B < 50 mTorr) AND MCIS:VV1A closed) OR MCIS:PV1 open) AND MCIS:BP1 on	none	NOT MCIS:BP1 on	
MCIS:SERV	none	none	none	
MCIS:SERVB	none	none	none	

MCIS:SV1	MCIS:IG1 ok	none	compliment	
MCIS:SV2	MCIS:IG1 ok AND MCIS:CG2 < 50 mTorr	none	compliment	
MCIS:SV3	MCIS:IG1 ok	none	compliment	
MCIS:SV4	MCIS:IG1 ok	none	compliment	
MCIS:SV5	MCIS:IG1 ok	none	compliment	
MCIS:SV6	MCIS:IG1 ok	none	compliment	
MCIS:SV7	MCIS:IG1 ok	none	compliment	
MCIS:SV8	MCIS:IG1 ok	none	compliment	
MCIS:SV9	MCIS:IG1 ok	none	compliment	
MCIS:SV10	MCIS:IG1 ok	none	compliment	
MCIS:SV11	MCIS:IG1 ok	none	compliment	
MCIS:SV12	MCIS:IG1 ok	none	compliment	
MCIS:SV13	MCIS:IG1 ok	none	compliment	
MCIS:SV14	MCIS:IG1 ok	none	compliment	
MCIS:SV15	MCIS:IG1 ok	none	compliment	
MCIS:SV16	MCIS:IG1 ok	none	compliment	
MCIS:SV17	MCIS:IG1 ok	none	compliment	
MCIS:SV18	MCIS:IG1 ok	none	compliment	
MCIS:SV19	MCIS:IG1 ok	none	compliment	
MCIS:SV20	MCIS:IG1 ok	none	compliment	
MCIS:TP1	MCIS:BP1 on AND MCIS:PV1 open AND MCIS:BV1 open AND MCIS:CG1 < 500 mTorr	none	NOT MCIS:CG1 < 500 mTorr	
MCIS:TP2	MCIS:BP1 on AND MCIS:PV1 open AND MCIS:BV2 open AND MCIS:CG1 < 500 mTorr	none	NOT MCIS:CG1 < 500 mTorr	
MCIS:TP3	MCIS:TP1 on OR MCIS:TP2 on	none	compliment	
MCIS:VV1	(MCIS:IV1 closed AND IOS:IV0 closed AND MCIS:TP1 off AND MCIS:TP2 off AND MCIS:TP3 off AND MCIS:BV1 closed AND MCIS:BV2 closed) OR MCIS:VV1 open	none	none	
MCIS:VV1A	(MCIS:PV1 closed AND MCIS:BV1 closed AND MCIS:BV2 closed) OR MCIS:VV1A open	none	none	
MCIS:BIAS0	MCIS:IG1 ok	none	compliment	

	AND			
	MCIS:CART in			
MCIS:XCB1	MCIS:IG1 ok	none	compliment	
	AND			
	MCIS:CART in			
MCIS:YCB1	MCIS:IG1 ok	none	compliment	
	AND			
	MCIS:CART in			
MCIS:CCB1	MCIS:IG1 ok	none	compliment	
	AND			
	MCIS:CART in			
MCIS:EL1	MCIS:IG1 ok	none	compliment	
	AND			
	MCIS:CART in			
MCIS RF AMP	MCIS:IG1 ok			
	AND			
	MCIS:CART in			
IOS:IV0	(MCIS:CART in	none	compliment	
	AND			
	IOS:CG0 < 15 mTorr			
	AND			
	IOS:CG1 < 10 mTorr			
	AND			
	IOS:IV7 closed			
	AND			
	IOS:IG1 off			
	AND			
	IOS:IG3 off			
	AND			
	MCIS:IV1 closed)			
	OR			
	IOS:IV0 open			
IOS:RV0	(IOS:IV0 closed	none	compliment	
	AND			
	IOS:VV0 closed			
	AND			
	MCIS:IV1 closed			
	AND			
	MCIS:CART in			
	AND			
	IOS:TP1 off			
	AND			
	IOS:BV1 closed			
	AND			
	IOS:TP1A off			
	AND			
	IOS:BV1A closed			
	AND			
	IOS:TP7 off			
	AND			
	IOS:BV7 closed)			
	OR			
	IOS:RV0 open			
IOS:VV0	(IOS:IV0 closed	none	compliment	
	AND			
	IOS:RV0 closed			
	AND			
	MCIS:IV1 closed)			
	OR			
	IOS:VV0 open			