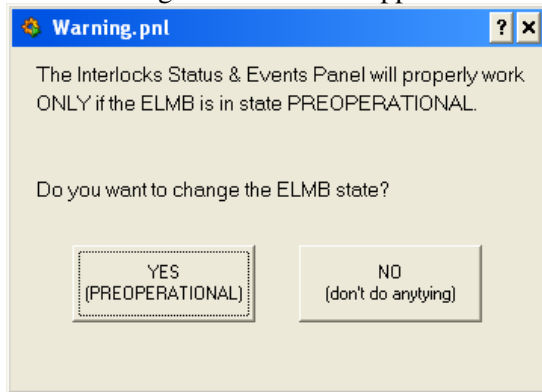


## Clearing an interlock

1. From the VELOC\_DVCS\_TB top panel click on the red button.
2. The following window should appear:



3. Click YES and change the state of the ELMB to PREOPERATIONAL.
4. The following panel should appear

The panel displays the following data tables:

NTC	TooCold	Mask
NTC 02		
NTC 03		
NTC 06		
NTC 07		
NTC 10		
NTC 11		
NTC 14		
NTC 15		
NTC 18		
NTC 19		
NTC 22		
NTC 23		
NTC 26		
NTC 27		
NTC 30		
NTC 31		
NTC 34		
NTC 35		
NTC 38		
NTC 39		
NTC 42		
NTC 43		
NTC 46		
NTC 47		
NTC 50		
NTC 51		
NTC 54		
NTC 55		
NTC 58		
NTC 59		
NTC 62		
NTC 63		

NTC	TooWarm	Mask
NTC 02		
NTC 03		
NTC 06		
NTC 07		
NTC 10		
NTC 11		
NTC 14		
NTC 15		
NTC 18		
NTC 19		
NTC 22		
NTC 23		
NTC 26		
NTC 27		
NTC 30		
NTC 31		
NTC 34		
NTC 35		
NTC 38		
NTC 39		
NTC 42		
NTC 43		
NTC 46		
NTC 47		
NTC 50		
NTC 51		
NTC 54		
NTC 55		
NTC 58		
NTC 59		
NTC 62		
NTC 63		

NTC	Error	Mask
NTC 02		
NTC 03		
NTC 06		
NTC 07		
NTC 10		
NTC 11		
NTC 14		
NTC 15		
NTC 18		
NTC 19		
NTC 22		
NTC 23		
NTC 26		
NTC 27		
NTC 30		
NTC 31		
NTC 34		
NTC 35		
NTC 38		
NTC 39		
NTC 42		
NTC 43		
NTC 46		
NTC 47		
NTC 50		
NTC 51		
NTC 54		
NTC 55		
NTC 58		
NTC 59		
NTC 62		
NTC 63		

Control panels below the tables:

- Status Register:** SPI Error, TooCold event, TooWarm event, Error event, Interlock 0, Interlock 1, Interlock 2, Interlock 3 (all with checkboxes).
- Interlock Box:** BOARD OK (green dot), COLD OK (black dot), WARM OK (black dot) x4.
- Control Registers Reset:** Interlock set, TooCold event, TooWarm event, Error event, Interlock 0, Interlock 1, Interlock 2, Interlock 3 (all with checkboxes). Includes a 'Reset Byte' field with '00000000' and a 'Send' button. A red 'INTERRUPT' button is also present.
- Commands:** Check Status, Load Mas configurati, Reset Board.

5. Click on the button "Check Status"

6. The panel look something like the following:

The screenshot shows a control panel titled "Status\_and\_Event\_Reg". It contains three main data tables and several control sections.

NTC	TooCold	Mask
NTC 02	Green	<input type="checkbox"/>
NTC 03	Green	<input type="checkbox"/>
NTC 06	Green	<input type="checkbox"/>
NTC 07	Green	<input type="checkbox"/>
NTC 10	Green	<input type="checkbox"/>
NTC 11	Green	<input type="checkbox"/>
NTC 14	Green	<input type="checkbox"/>
NTC 15	Green	<input type="checkbox"/>
NTC 18	Green	<input type="checkbox"/>
NTC 19	Green	<input type="checkbox"/>
NTC 22	Green	<input type="checkbox"/>
NTC 23	Green	<input type="checkbox"/>
NTC 26	Green	<input type="checkbox"/>
NTC 27	Green	<input type="checkbox"/>
NTC 30	Green	<input type="checkbox"/>
NTC 31	Green	<input type="checkbox"/>
NTC 34	Green	<input type="checkbox"/>
NTC 35	Green	<input type="checkbox"/>
NTC 38	Green	<input type="checkbox"/>
NTC 39	Green	<input type="checkbox"/>
NTC 42	Green	<input type="checkbox"/>
NTC 43	Green	<input type="checkbox"/>
NTC 46	Green	<input type="checkbox"/>
NTC 47	Green	<input type="checkbox"/>
NTC 50	Green	<input type="checkbox"/>
NTC 51	Green	<input type="checkbox"/>
NTC 54	Green	<input type="checkbox"/>
NTC 55	Green	<input type="checkbox"/>
NTC 58	Green	<input type="checkbox"/>
NTC 59	Green	<input type="checkbox"/>
NTC 62	Green	<input type="checkbox"/>
NTC 63	Green	<input type="checkbox"/>

NTC	TooWarm	Mask
NTC 02	Green	<input type="checkbox"/>
NTC 03	Green	<input type="checkbox"/>
NTC 06	Green	<input type="checkbox"/>
NTC 07	Green	<input type="checkbox"/>
NTC 10	Green	<input type="checkbox"/>
NTC 11	Green	<input type="checkbox"/>
NTC 14	Green	<input type="checkbox"/>
NTC 15	Green	<input type="checkbox"/>
NTC 18	Green	<input type="checkbox"/>
NTC 19	Green	<input type="checkbox"/>
NTC 22	Green	<input type="checkbox"/>
NTC 23	Red	<input type="checkbox"/>
NTC 26	Green	<input type="checkbox"/>
NTC 27	Green	<input type="checkbox"/>
NTC 30	Green	<input type="checkbox"/>
NTC 31	Green	<input type="checkbox"/>
NTC 34	Green	<input type="checkbox"/>
NTC 35	Green	<input type="checkbox"/>
NTC 38	Green	<input type="checkbox"/>
NTC 39	Green	<input type="checkbox"/>
NTC 42	Green	<input type="checkbox"/>
NTC 43	Green	<input type="checkbox"/>
NTC 46	Green	<input type="checkbox"/>
NTC 47	Green	<input type="checkbox"/>
NTC 50	Green	<input type="checkbox"/>
NTC 51	Green	<input type="checkbox"/>
NTC 54	Green	<input type="checkbox"/>
NTC 55	Green	<input type="checkbox"/>
NTC 58	Green	<input type="checkbox"/>
NTC 59	Green	<input type="checkbox"/>
NTC 62	Green	<input type="checkbox"/>
NTC 63	Green	<input type="checkbox"/>

NTC	Error	Mask
NTC 02	Green	<input type="checkbox"/>
NTC 03	Green	<input type="checkbox"/>
NTC 06	Red	<input checked="" type="checkbox"/>
NTC 07	Red	<input checked="" type="checkbox"/>
NTC 10	Green	<input type="checkbox"/>
NTC 11	Green	<input type="checkbox"/>
NTC 14	Green	<input type="checkbox"/>
NTC 15	Green	<input type="checkbox"/>
NTC 18	Green	<input type="checkbox"/>
NTC 19	Green	<input type="checkbox"/>
NTC 22	Green	<input type="checkbox"/>
NTC 23	Green	<input type="checkbox"/>
NTC 26	Green	<input type="checkbox"/>
NTC 27	Green	<input type="checkbox"/>
NTC 30	Green	<input type="checkbox"/>
NTC 31	Green	<input type="checkbox"/>
NTC 34	Green	<input type="checkbox"/>
NTC 35	Green	<input type="checkbox"/>
NTC 38	Green	<input type="checkbox"/>
NTC 39	Green	<input type="checkbox"/>
NTC 42	Green	<input type="checkbox"/>
NTC 43	Green	<input type="checkbox"/>
NTC 46	Green	<input type="checkbox"/>
NTC 47	Green	<input type="checkbox"/>
NTC 50	Green	<input type="checkbox"/>
NTC 51	Green	<input type="checkbox"/>
NTC 54	Green	<input type="checkbox"/>
NTC 55	Green	<input type="checkbox"/>
NTC 58	Green	<input type="checkbox"/>
NTC 59	Green	<input type="checkbox"/>
NTC 62	Green	<input type="checkbox"/>
NTC 63	Green	<input type="checkbox"/>

**Status Register**

SPI Error	<input type="checkbox"/>
TooCold event	<input type="checkbox"/>
TooWarm event	<input checked="" type="checkbox"/>
Error event	<input type="checkbox"/>
Interlock 0	<input type="checkbox"/>
Interlock 1	<input checked="" type="checkbox"/>
Interlock 2	<input type="checkbox"/>
Interlock 3	<input type="checkbox"/>

**Interlock Box**

- BOARD OK
- COLD OK
- WARM OK
- WARM OK
- WARM OK
- WARM OK

**Control Registers Reset**

<input type="checkbox"/> Interlock set
<input type="checkbox"/> TooCold event
<input checked="" type="checkbox"/> TooWarm event
<input type="checkbox"/> Error event
<input type="checkbox"/> Interlock 0
<input checked="" type="checkbox"/> Interlock 1
<input type="checkbox"/> Interlock 2
<input type="checkbox"/> Interlock 3

Reset Byte:

**Commands**

**INTERRUPT**

7. Click on Send.
8. Check status again.
9. Everything should be green.

-- MarkTobin - 30 Apr 2008

This topic: LHCb > VELOLVClearInterlock  
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