

LEFT

MON 41

Table 1: HRS detector long checklist part A. Completed by DLAMINI Date 02 - OCTOBER, 2014

1	<input checked="" type="checkbox"/>	The air cooling in the detector hut is operational
2	<input checked="" type="checkbox"/>	Fresh air flow is turned on for PMTs on S0, S1 and S2m detectors, $P \geq 0.5$ inches
3	<input checked="" type="checkbox"/>	Each of the cooling fans (9 of them) is working in the electronics relay racks
4	<input checked="" type="checkbox"/>	The cooling fan is working on the VME crate
5	<input checked="" type="checkbox"/>	The cooling fan is working on the Trigger Supervisor crate
6	<input checked="" type="checkbox"/>	Each of the cooling fans (4 of them) is working in the FastBus relay rack
7	<input checked="" type="checkbox"/>	The cooling fans are working on the VDC level translator panel
8	<input checked="" type="checkbox"/>	The cooling fan is working in the VME slow control VME crate
9	<input checked="" type="checkbox"/>	Power to the front-end discs is turned ON for the S2m and cooling fans are operational.
10	<input checked="" type="checkbox"/>	The control of the MLU (VME) unit for the trigger is operational (via GUI)
11	<input checked="" type="checkbox"/>	The control of the HV crate for the detector is operational (via GUI)
12	<input checked="" type="checkbox"/>	The internet connection to each of the three FastBus CPUs is operational (via GIU)
13	<input checked="" type="checkbox"/>	The internet connection to the VME CPU is operational (via GIU)
14	<input checked="" type="checkbox"/>	The internet connection to the Trigger Supervisor CPU is operational (via GIU)
15	<input checked="" type="checkbox"/>	All high voltage and signal cables in the detector hut are secured 2 NOT SECURED FOR S1
16	<input checked="" type="checkbox"/>	The VDC gas flows are turned on at a level of 30 in the flowmeters ~ 35
17	<input checked="" type="checkbox"/>	The flow is seen from the exhaust bubblers/flowmeters
18	<input checked="" type="checkbox"/>	The power supply is turned on for the VDC amplifier cards (+5V, 10A)
19	<input checked="" type="checkbox"/>	The level translators (+5V and -5V), and the threshold control (+3V, 0.1A)
20	<input checked="" type="checkbox"/>	The VDC HV power is set at 3.5 kV and the leakage current is below 0.01 μ A

Table 2: HRS detector long checklist part B. Completed by ^{MONGI} ~~DLAMINI~~ Date 02, OCTOBER, 2014

21	<input checked="" type="checkbox"/>	The Straw chamber gas flow is turned on at a level of 45 in the flowmeter ^{~20}
22	<input checked="" type="checkbox"/>	The pressure on the gauge is about 0.2 inches. ^{0.4}
23	<input checked="" type="checkbox"/>	The power supply is turned on for the amplifier cards and the threshold control.
24	<input checked="" type="checkbox"/>	The AC power of the level translator box is ON.
25	<input checked="" type="checkbox"/>	The Straw chamber HV power is set at 1.6 kV and ^{1.8 kV}
26	<input checked="" type="checkbox"/>	the leakage current on each of the six lines is below 0.001 mA.
27	<input checked="" type="checkbox"/>	Power to the front-end discs is turned ON for the S2m and cooling fans are operational.
28	<input checked="" type="checkbox"/>	The S2m HV power is set at 1.6 kV settings and the current at each of the 32 channels is <1 mA ^[1.5-1.8 kV]
29	<input checked="" type="checkbox"/>	The S2m scaler rates are below 2 kHz in each of the 32 channels.
30	<input checked="" type="checkbox"/>	The S0 HV power is set at 1.8 kV settings and the current in both channels is <1 mA ^{[1.1-1.2] kV}
31	<input checked="" type="checkbox"/>	The S0 scaler rates are below 2 kHz.
32	<input checked="" type="checkbox"/>	The Gas Cherenkov, GC, CO2 flow is turned ON at the level of 50 at the flowmeter. ^{Low flow}
33	<input checked="" type="checkbox"/>	The GC HV power is set at 1.6 kV settings and the current at each of the 10 channels is <1 mA ^{[1-1.18] kV}
34	<input checked="" type="checkbox"/>	The GC scaler rates are below 10 kHz in each of the 10 channels.
Date Check performed Check approved (B. Wojtsekhowski)		

RIGHT

Table 1: HRS detector long checklist part A. Completed by . Date .

1	<input checked="" type="checkbox"/>	The air cooling in the detector hut is operational
2	<input checked="" type="checkbox"/>	Fresh air flow is turned on for PMTs on S0, S1 and S2m detectors, P is 0.5 inches
3	<input checked="" type="checkbox"/>	Each of the cooling fans (9 of them) is working in the electronics relay racks
4	<input checked="" type="checkbox"/>	The cooling fan is working on the VME crate
5	<input checked="" type="checkbox"/>	The cooling fan is working on the Trigger Supervisor crate
6	<input checked="" type="checkbox"/>	Each of the cooling fans (4 of them) is working in the FastBus relay rack
7	<input checked="" type="checkbox"/>	The cooling fans are working on the VDC level translator panel
8	<input checked="" type="checkbox"/>	The cooling fan is working in the VME slow control VME crate
9	<input checked="" type="checkbox"/>	Power to the front-end discs is turned ON for the S2m and cooling fans are operational.
10	<input checked="" type="checkbox"/>	The control of the MLU (VME) unit for the trigger is operational (via GUI)
11	<input checked="" type="checkbox"/>	The control of the HV crate for the detector is operational (via GUI)
12	<input checked="" type="checkbox"/>	The internet connection to each of the three FastBus CPUs is operational (via GIU)
13	<input checked="" type="checkbox"/>	The internet connection to the VME CPU is operational (via GIU)
14	<input checked="" type="checkbox"/>	The internet connection to the Trigger Supervisor CPU is operational (via GIU)
15	<input checked="" type="checkbox"/>	All high voltage and signal cables in the detector hut are secured
16	<input checked="" type="checkbox"/>	The VDC gas flows are turned on at a level of 30 in the flowmeters 20 (15)
17	<input checked="" type="checkbox"/>	The flow is seen from the exhaust bubblers/flowmeters
18	<input checked="" type="checkbox"/>	The power supply is turned on for the VDC amplifier cards (+5V, 10A)
19	<input checked="" type="checkbox"/>	The level translators (+5V and -5V), and the threshold control (+3V, 0.1A)
20	<input checked="" type="checkbox"/>	The VDC HV power is set at 3.5 kV and the leakage current is below 0.01 μ A

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Table 2: HRS detector long checklist part B. Completed by . Date .

21	<input checked="" type="checkbox"/>	The Straw chamber gas flow is turned on at a level of 45 in the flowmeter <i>~20</i>
22	<input checked="" type="checkbox"/>	The pressure on the gauge is about 0.2 inches. <i>0.4</i>
23	<input checked="" type="checkbox"/>	The power supply is turned on for the amplifier cards and the threshold control.
24	<input checked="" type="checkbox"/>	The AC power of the level translator box is ON.
25	<input checked="" type="checkbox"/>	The Straw chamber HV power is set at 1.6 kV and
26	<input type="checkbox"/>	the leakage current on each of the six lines is below 0.001 mA.
27	<input checked="" type="checkbox"/>	Power to the front-end discs is turned ON for the S2m and cooling fans are operational.
28	<input checked="" type="checkbox"/>	The S2m HV power is set at 1.6 kV settings and the current at each of the 32 channels is <1 mA.
29	<input checked="" type="checkbox"/>	The S2m scaler rates are below 2 kHz in each of the 32 channels.
30	<input checked="" type="checkbox"/>	The S0 HV power is set at 1.8 kV settings and the current in both channels is <1 mA.
31	<input checked="" type="checkbox"/>	The S0 scaler rates are below 2 kHz.
32	<input checked="" type="checkbox"/>	The Gas Cherenkov, GC, CO2 flow is turned ON at the level of 50 at the flowmeter. <i>Low flow</i>
33	<input checked="" type="checkbox"/>	The GC HV power is set at 1.6 kV settings and the current at each of the 10 channels is <1 mA.
34	<input checked="" type="checkbox"/>	The GC scaler rates are below 10 kHz in each of the 10 channels.
Date	Check performed	Check approved (B. Wojtsekhowski)