

	<i>Nominals</i>			
Shift	-----	Midnight-8am	8am-4pm	4pm-midnight
Time (24 hour clock)	-----			
Your Name	-----			

**Beam Conditions from Overview Screen, DAQ, MEDMs, and Scalers**

Beam Energy (MeV)	-----			
Beam Current	-----			
Beam position lock on? (medm)	yes			
Beam energy lock on? (medm)	yes			
HMS Trigger Rate (vis. scalers)	-----			
HMS Dead Time (vis. scalers)	-----			
SOS Trigger Rate (vis. scalers)	-----	—	—	—
SOS Dead Time (vis. scalers)	-----	—	—	—
IPM3H00A position (medm)	-----			
IPM3H00B position (medm)	-----			
IPM3H00C position (medm)	(-1,0)±0.1			
Fast Raster (Width,Height)	( $\Delta x, \Delta y$ )	/	/	/
Fast Raster (Ix,Iy)	(Ix,Iy)	/	/	/
HMS/SOS Slits	-----			
Scattering Chamber Vacuum	$< 10^{-5}$			
Target (material, length)	-----			
HMS Shutter Out?	yes			
HMS angle (TV/GUI)	-----	/	/	/
SOS angle (TV/GUI)	-----	140	140	140
Hall Survey (TV)	OK			
HMS Cer. Temp/Press (TV)	$22 \pm 3/-$	/	/	/
SOS Door Closed? (TV)	yes			

**Walk-through of Electronics Room**

WC Thresholds HMS1/2/SOS	5.5/5.5/5.2	/ /	/ /	/ /
User Monitor Temperature	$110 \pm 1^\circ C$			
HMS Trigger (e.g. 3/4*ELREAL)	-----			
SOS Trigger (e.g. 3/4*SCIN)	-----			

**Gas-Yard Checks (Gas Yard Key is #29)**

Argon Manifold Hi/Lo (PSI)	$> 200/30$			
Ethane Manifold Hi/Lo (PSI)	---/ $> 20$			
Ethane Bottle Weights (lbs)	$> [Full - 30]$			
Helium bottle Pressure/Flow	$> 200/1.5$			

**Gas-Shed Checks (Gas Shed Key is #29)**

SOS Flows: Ar CH1/Eth CH2	0.15/0.15 <i>slpm</i>	/	/	/
HMS Flows: Ar CH3/Eth CH4	0.3/0.3 <i>slpm</i>	/	/	/
HMS/SOS Fridge (degC)	$2 \pm 1^\circ C$	/	/	/
Alcohol Bubbling? (HMS/SOS)	y / y	/	/	/

	<i>Nominals</i>			
Time (24 hour clock)	-----			

**High Voltages: HV ON and GUI Alarm Enabled?**

HV Alarm Sound Check	✓			
Alarms <b>NOT</b> Silenced? (HMS/SOS)	✓ / ✓			
HMS Hodoscopes / Drift Chambers	✓ / ✓			
HMS Cerenkovs: Gas / Aerogel	✓ / ✓			
HMS Pb-Glass	✓			
SOS Hodoscopes / Drift Chambers	✓ / ✓			

**Spectrometer Magnets**

HMS Q1 Current: ± setpt	-----			
HMS Q2 Current: ± setpt	-----			
HMS Q3 Current: ± setpt	-----			
HMS Q1 Hall Field: ± reading	-----			
HMS Q2 Hall Field: ± reading	-----			
HMS Q3 Hall Field: ± reading	-----			
HMS D Current: ± readback	-----			
HMS D NMR Field: ± readback	-----			
HMS Q1 N2/He Level (%)	> 70 / > 70	/	/	/
HMS Q2 N2/He Level (%)	> 70 / > 70	/	/	/
HMS Q3 N2/He Level (%)	> 70 / > 70	/	/	/
HMS D N2/He Level (%)	> 70 / > 70	/	/	/
SOS Q Current polarity/setpt	-----	—	—	—
SOS B1 Current polarity/setpt	-----	—	—	—
SOS B2 Current polarity/setpt	-----	—	—	—
SOS Q Hall Field	-----	—	—	—
SOS B1 Hall Field	-----	—	—	—
SOS B2 Hall Field	-----	—	—	—

**Stats of Recently Replayed Run from ~cdaq/daq07/replay/scalers/)**

Run Number	-----			
Computer Deadtime	-----			
HMS WC fiducial effi.	> 90%			
HMS Electronic Deadtime	-----			
SOS WC fiducial effi.	> 90%	—	—	—
SOS Electronic Deadtime	-----	—	—	—

**Enter Screen Snapshots of the Following Screens in *hclog***

BPM medm screen	✓			
BCM medm screen	✓			

Scan this sheet into *hclog* when full. →

Check List Complete ( <i>Initial</i> )	xyz			
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