

Quick reference for remote
“ghost” shift

The worker "ghost" shifter responsibilities

1. Support the single shifter in the Counting Room upon receiving a call:

Keep the “ghost” (remote) shifter cell phone with you all the time

2. Monitor the logbook posts regularly, check over the data to help look for problems and issues:
Access HBLOG at <https://logbooks.jlab.org/book/hblog>, link from the RG-F run wiki “Shift documentation” tab

3. Review the monitoring plots, should be done every 2-3 hours:

Monitoring histograms for the reference run and for the last five runs can be found at -

<https://clas12mon.jlab.org/mon12/histograms/?reference=3650729>, link can be accessed from the RG-F run wiki “Schedule” tab, Note 7 under “General Instructions”

4. When issues/problems are found contact the shifter in the counting room immediately and if required interact with the detector subsystem expert to resolve the issue:

Phone numbers in the counting room, cell phone number for the shift expert and for system experts are listed on the RG-F run wiki, “Phone numbers” tab -

https://wiki.jlab.org/clas12-run/index.php/Run_Group_F#tab=Phone_Numbers

All the monitoring is done with a web browser.

Run wiki can be accessed from Hall-B home page, <https://www.jlab.org/physics/hall-b>, the “Run info” link from the left will bring to the run page <https://www.jlab.org/Hall-B/run-web/>, where “Run page” will take you to the run wiki.

Additional monitoring – WEB-EPICS

The screenshot displays the 'Run Group F' monitoring page on the jlab.org website. The page features a navigation bar with tabs: Shift Documentation, Phone Numbers, Schedule, Monitoring, and Useful Links. The main content area is divided into four sections: Webcams, Hall Webcams, Manuals, and Epics on the web. The Webcams section lists links for Faraday Cup Beam Viewer, Tagger Beam Dump Viewer, Hall Fisheye, and Saclay Cryotarget. The Hall Webcams section lists links for Hall A, Hall B, Hall C, and Hall D. The Manuals section lists links for CED Manual, MONT2 Manual, and off-line Manual. The Epics on the web section lists links for Hall B WebOPI (CUE Login) and Accelerator (CUE Login). A blue arrow points from the 'Manuals' section to a smaller browser window showing the 'CLAS12 Menu' application. The 'CLAS12 Menu' application displays a list of Detectors (CTOF, DC, HTCC, LTCC, CVT, FT, CND, RICH, RTPC) and Subsystems (Beamline, Overview - Web Version, High Voltage, Injector, BTA Config, Saclay Cryotarget, Torus, Weather, DAQ, Moeller). A blue arrow points from the 'CLAS12 Menu' application to a 'Next page' link.

Run Group F

Shift Documentation Phone Numbers Schedule Monitoring Useful Links [edit]

Webcams

- Faraday Cup Beam Viewer
- Tagger Beam Dump Viewer
- Hall Fisheye
- Saclay Cryotarget

Hall Webcams

(the first time you open any camera in any browser, accept the security exception)

- Hall A
- Hall B
- Hall C
- Hall D

Manuals

- CED Manual
- MONT2 Manual
- off-line Manual

Epics on the web

- Hall B WebOPI (CUE Login)
- Accelerator (CUE Login)

CLAS12 Menu

Detectors

- CTOF
- DC
- HTCC
- LTCC
- CVT
- FT
- CND
- RICH
- RTPC

Subsystems

Beamline

- Overview - Web Version
- High Voltage
- Injector
- BTA Config
- Saclay Cryotarget
- Torus
- Weather
- DAQ
- Moeller

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clas

Orbit Locks: Running

Fast Shut Down:

	Upstream	Midstream	Downstream	BOM
Counts	1	13	85416	0
Threshold	2000	2000	200000	100000
Dwell Time (ms)	5.00	5.00	5.00	5.00
Masked / Tripped				

Solenoid: Disconnected

JScalers:

	ECAL	PCAL	FTOF	LTCC	HTCC
BAND	19253	12003	36091	N/A	61676
S2	20166	8243	30571	42121	55208
S3	15629	12280	36326	58742	17765
S4	9367	817893	0	0	7206
S5	9367	817893	0	0	7206
S6	9367	817893	0	0	7206

RICH: 1129

CND: 356704

CTOF: 227104

214647

Downstream Halo Counters:

	T	R	L	B
21746	21746	21746	16699	23916
24660	24660	24660	24660	24660

Beam Time Accounting:

Beam Availability	Available
DAQ Status	In Use
Beam Type	Electron
Beam Destination	Faraday Cup
BSY Energy (MeV)	10389.36
Max RMS (%)	1.63
Bunch Frequency	250 MHz

Helicity:

1/2 Wave Plate	OUT
+Z to +Y	-90.60
+Y to -X	88.028
+Z to -X	-29.64
Delay	8 window
Q-Asym (%)	0.023 +/- 0.013
Sync Rate (Hz)	120.50
H+ Rate (Hz)	38.00

Beam Position Monitors:

	2C21A	2C24A	2H00	2H01
Current (nA)	252.75	235.40		239.71
X Abs Pos (mm)	0.173	0.107	0.552	-0.099
Y Abs Pos (mm)	-0.037	-0.395	-0.419	-0.410

BONUS Target Pressure: 65.09 psi

D2

Tagger Dump

Moving Devices:

	Harp 2C21	Moeller Target	Tagger Harp (2C24)	Collimator	2H01A Harp
OUT	OUT	Empty	OUT	Empty	OUT
Right Foil		Empty		Blank	
Left Foil		Empty		12 mm	

Beamline Vacuum:

	2C21	2C21A	2C24	2H00	2H01
9.23E-8	9.23E-8	3.36E-7	3.82E-6	4.54E-6	5.64E-6

Magnet Settings:

	2C21H	2C22H	2C23V	Moeller Quad A	Quad B	Tagger	MQA2H00	2H00H	2H01H	2H00V	2H01V	Solenoid
4388.6	4388.6	3589.0	-5.861				-0.000	3340.0		4150.8		1935.22
1389.4	1389.4	-687.4	9.768			0.4	-0.00033					4.06
gauss-cm						A	T					A
												T

Open BTA Config

Tagger Dump

Beam Offset Monitor:

	X	Y
0.0 %	0.0 %	0.0 %

BOM Asymmetry:

X	0.0 %
Y	0.0 %

FC Temps (F):

SLM	Faraday Cup	FC Temps (F)
231.55	24.64	76.31
238.85	(deattenuated)	76.69

Current Ratios:

FCup / SLM	1.030
FCup / 2c21	0.940

BB Temps (F):

Chromax	BNNT	OTR	IN
87.51	92.43		

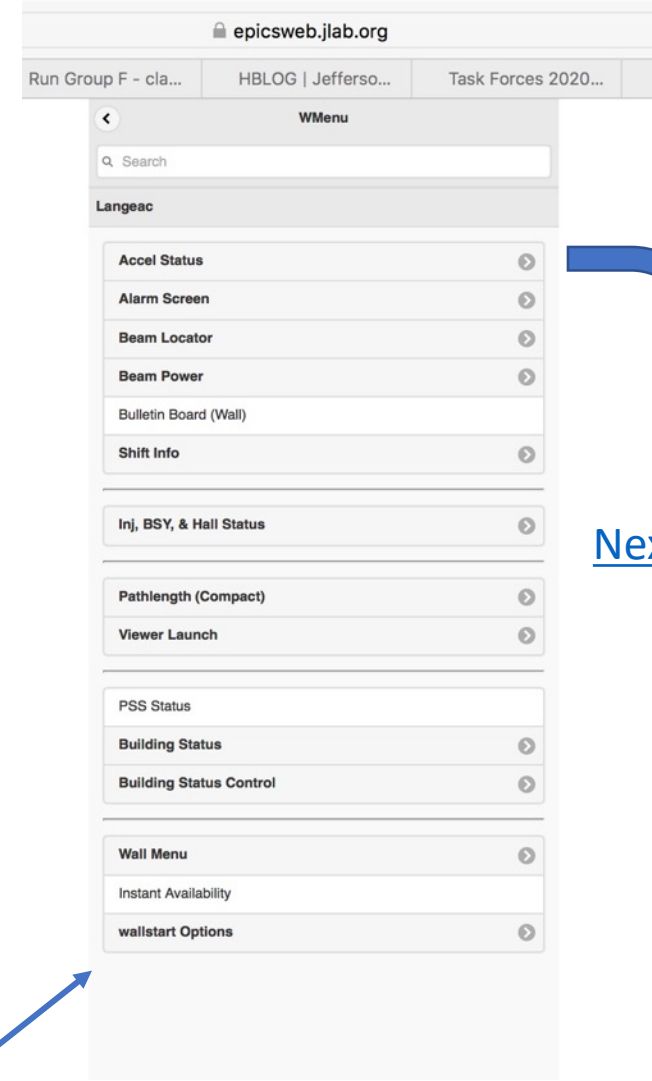
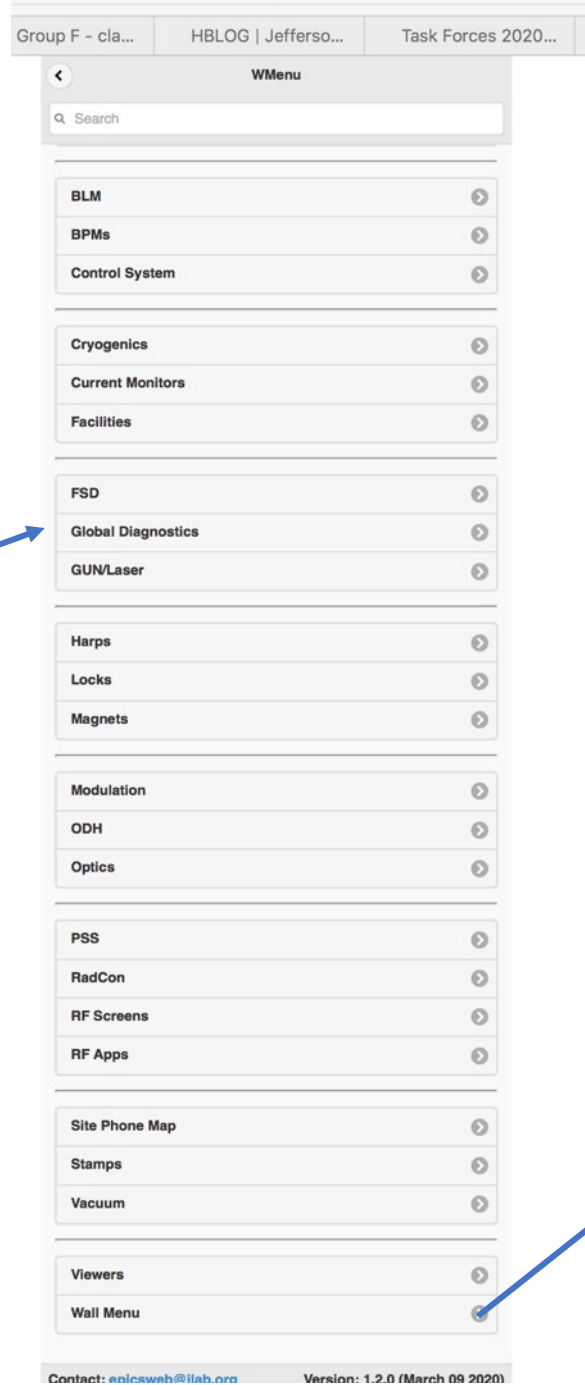
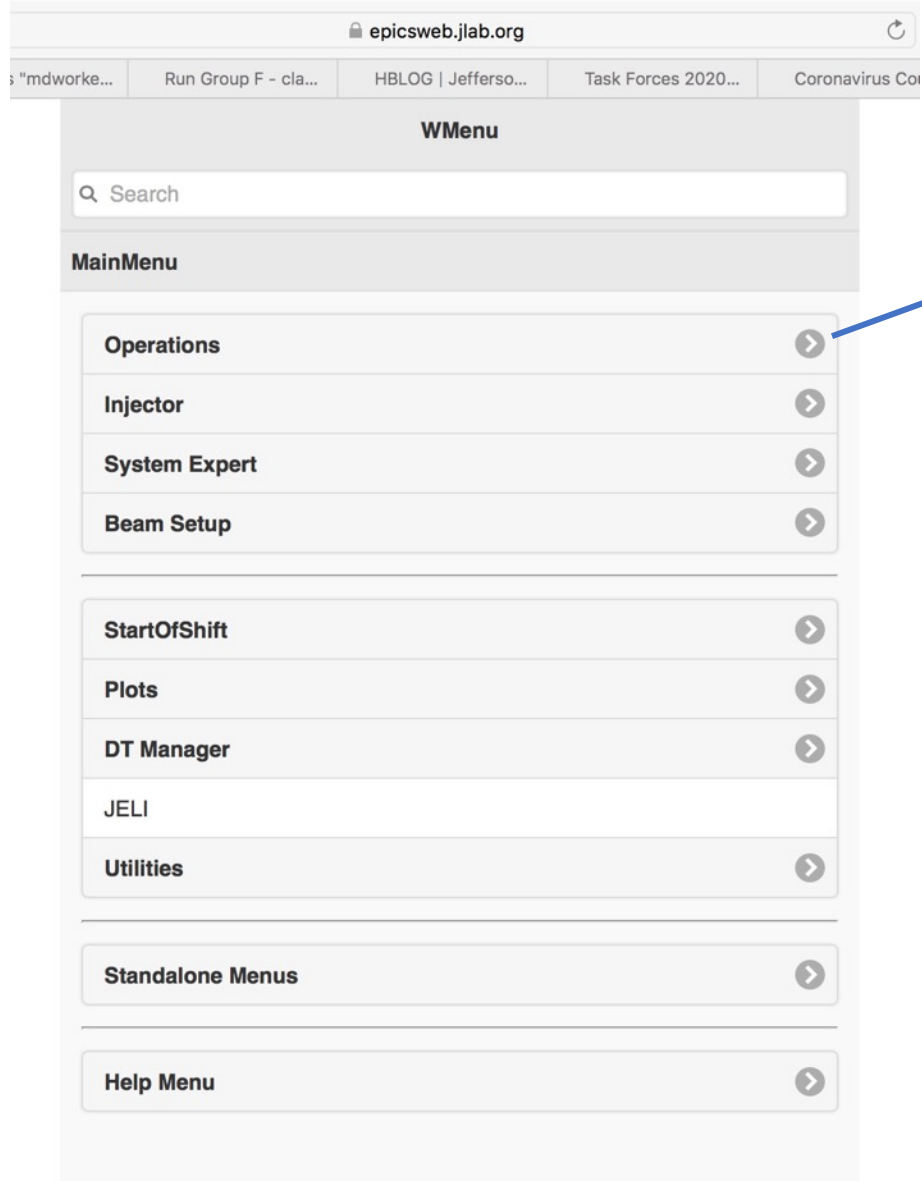
2H02: 9.66E-7

Torus:

3766.15	A
20188	G
POSIT	Polarity

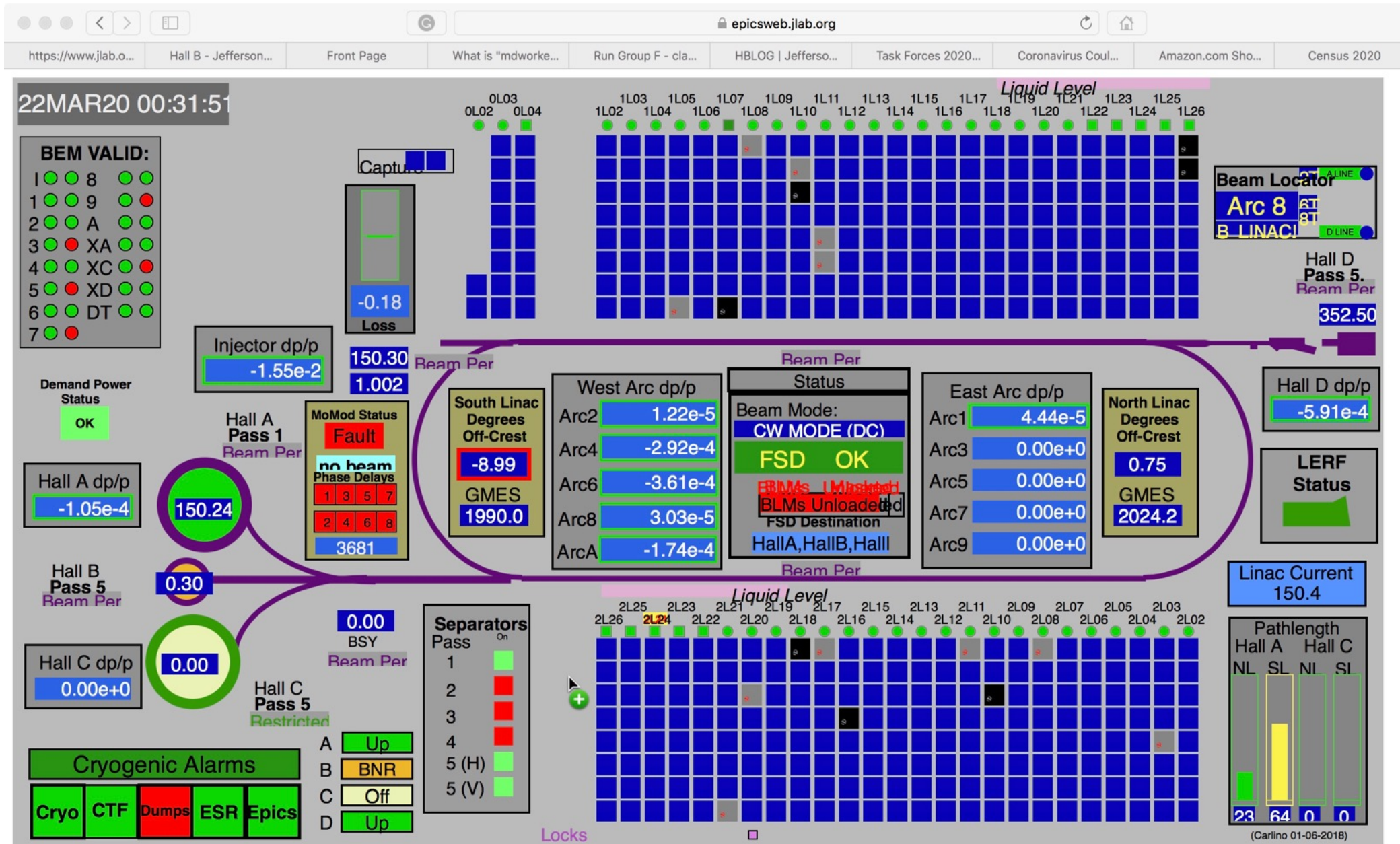
WMenu

<https://epicsweb.jlab.org/wmenu/>



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Acc Status



WEB MYA - <https://epicsweb.jlab.org/wave>

https://epicsweb.jlab.org/wave/?start=2020-03-21+00%3A03%3A33&end=2020-03-22+00%3A08%3A33&myaDeployment=ops&myaLimit=100000&title=&fullscreen=false&layoutMode=1&viewerMode=1&pv=scalerS11b&pv=scaler_calc1

