

# RC Update

Jason Bane  
University of Tennessee

# Accelerator Status

## SAD Calendar

Scheduled Accelerator Down

Login Auto

<< Week 12 2018 >>

View ATLIS Work Map Help

Key

Good Plan

Tentative Plan

Major Event

Incomplete Task

Lock Up

Utility Interruption

Radcon Group

Special Support

Subset

New/Changed

LERF

ATLIS Task

	Sun	M	T	W	T	F	Sat
12	2018-03-18	19	20	21	22	23	24
Owl	PD: Suhring	PD: Suhring ⊘ Strip line BPM tst	PD: Suhring	PD: Michaud Beam to 1R+ ⊘ RF Control Script tst	PD: Michaud	PD: Michaud	PD: Michaud
Day	⊘ CHL AUX2 ready	CHL1 2K Pumpdn OPS 24/7 INJ/NL INJ studies  RF Push Magnets ON ⊘ SL Cryo walk	INJ/NL INJ studies ⊘ JLEIC INJ tst RF Push ⊘ XA/C FFB tst ⊘ 1L13-6, 1L19-3 klystrons ⊘ 2L16 VIP card rails ⊘ MZAAS04 shnt mod Tunnel AC ON ⊘ XA dump diff card test XB target cooldn	CEBAF Restore 9am INJBSY entry locinX reset ⊘ RF Recovery ⊘ ITV TS ILM0R01 HV mismtch ITV4C00 indetr MBC6A28V Mismtch XC Target Cooldn ⊘ LAM3C tst & cert ⊘ LAM3C Funct Cert	CEBAF Restore  1L23 drops 2L25 noise  XC Target Cooldn XD target cooldn	CEBAF Restore Hall Staffing 24/7  ⊘ 2L07-7 Arc det ⊘ VIPAE00B TS ⊘ MBD2C00V TS  XA target cooldn ⊘ End Stn cooling twr	CEBAF Restore
Swing		INJ/NL INJ studies INJ Setup	INJ/NL INJ studies INJ Setup	Restore Start	Hall Lockups XABCD DC Pwr		
13	2018-03-25	26	27	28	29	30	31
Owl	PD: Michaud	PD: Michaud	PD: Michaud	PD: Michaud	PD: Michaud	PD: Michaud	PD: Michaud
Day	CEBAF Restore	CEBAF Restore ⊘ Chilled water sensor	CEBAF Restore	Physics Start?	Physics	Physics Tour: ODU	Physics  Placeholder tasks ⊘ RF Recovery ⊘ 1L04-4 HV fault  ⊘ IN03B03 UPS PSS ⊘ 1A SLM ⊘ C100 probe filters ⊘ ITV TS ⊘ MBD2C00V TS ⊘ ITVAD00C ⊘ XC CW dump ITV
Swing							Gun HV air press



# Accelerator Status

RF separator has had issues since this weekend.

MCC planned access to address the RF separator during day shift.

High current test  
 85.5uA Total:  
 63uA to HC  
 22.5uA to HA



## Permissions

# Phase 3!!!!!!!!!!

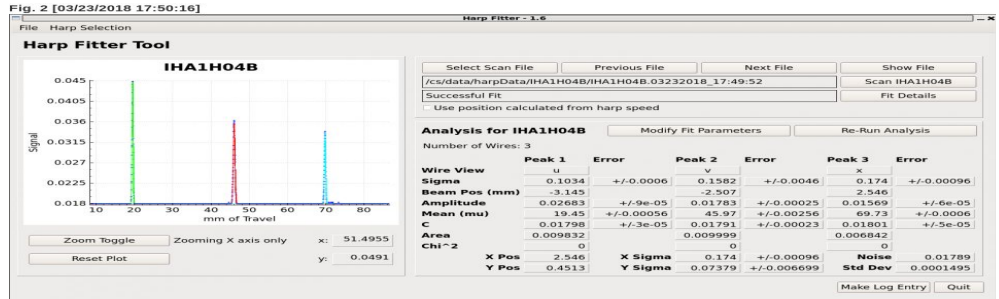
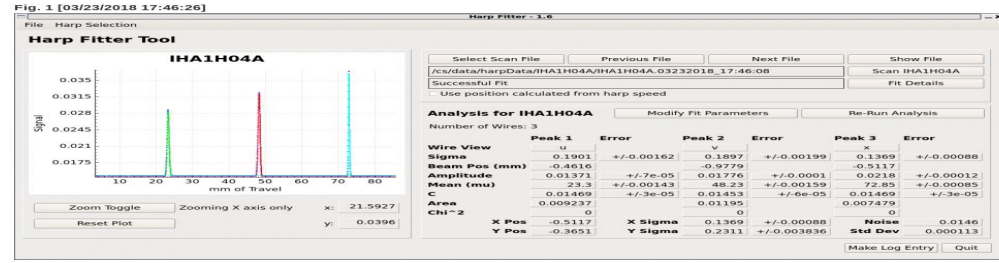
## CEBAF

Beam Destination	Approval	Director's Status				Credited Controls Status
		Beam Mode	Current Limit	Comment	Expiration	
500KeV Dump (IDL1D00)		CW	200 uA	CW beam authorized to the 500KeV dump.	07-May-2018 06:00	
Inline Dump (SDL0R08)		CW	200 uA	CW beam authorized to the inline dump.	07-May-2018 06:00	
BSY Dump (IBD4C00)		CW	30 uA	Full authorization to all beam termination points in CEBAF/BSY	07-May-2018 06:00	
Hall A (IBD1H05)		CW	25 uA	Hall-A Phase-III Tritium conditions invoked. Average target Beam current 22.5 (24 uA BELS).	07-May-2018 06:00	

# Phase 3

In order to reach phase 3: need to complete TGT-PROC-012

7.1 -> Harp scan, <https://logbooks.jlab.org/entry/3546454>.



7.2 -> MCC completed the ion chamber functionality test with good results: logbook-> <https://logbooks.jlab.org/entry/3546497>

Fig. 3 [03/23/2018 20:14:15]



# Phase 3

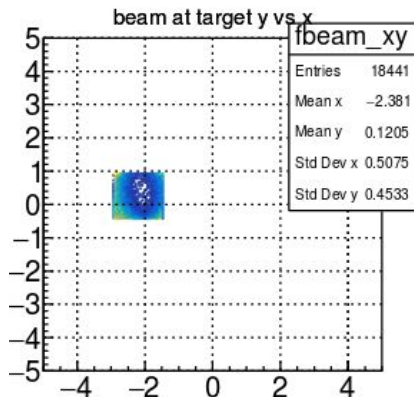
7.3 was postpone until Raster work was completed Monday morning

7.4 ->The beam was nice and centered. <https://logbooks.jlab.org/entry/3546587>

Bill Gunning completed work on the raster during our access Monday morning: <https://logbooks.jlab.org/entry/3548452>

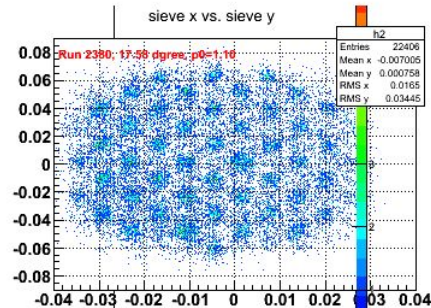
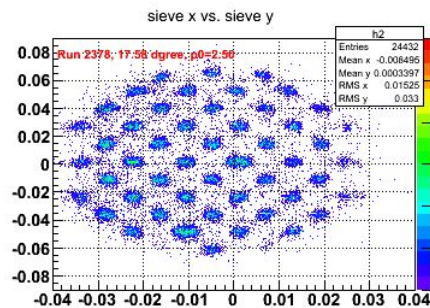
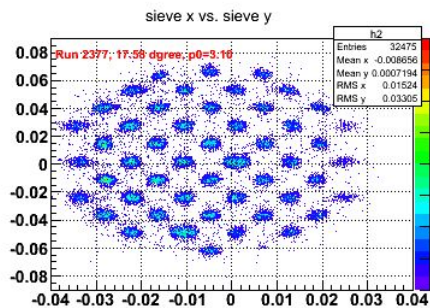
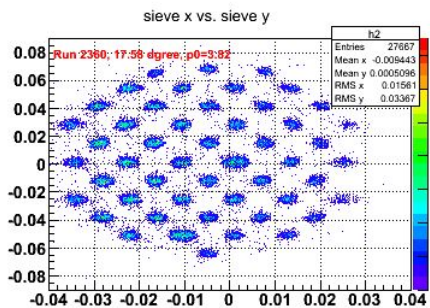
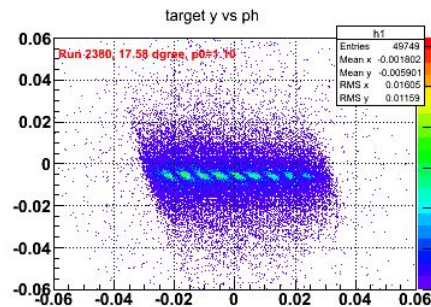
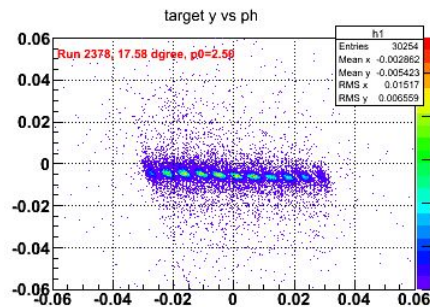
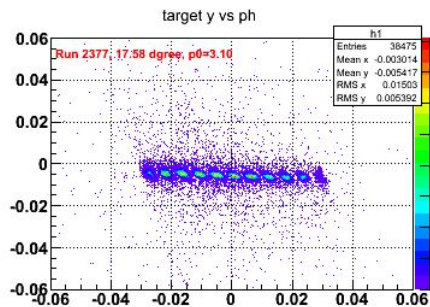
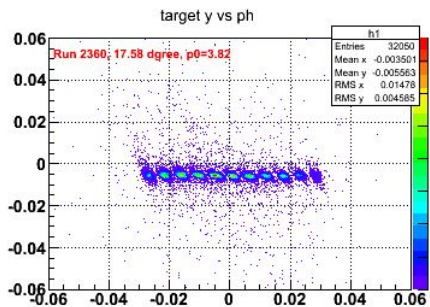
“After inspection a bad fiber optic cable running from the BRM to the FSD card was found and replaced. Status went back to green. Replaced the other BRM boards fiber too since it looked very old too.”

[https://logbooks.jlab.org/files/2018/03/3548455/FADC\\_Tritium\\_2404.pdf](https://logbooks.jlab.org/files/2018/03/3548455/FADC_Tritium_2404.pdf)



# Hall Status!!

Took Optics over the weekend!



Plot by: Shuije Li

# MARATHON

MARATHON has collected about 70% of their experimental Data!

Kin 16 (RHRS P0= 2.9GeV/c theta=36.1)

Good electron counts: Tritium -> 16.6k He3->17.4k D2->15.6k

Plan for the next few days:

Finish up positron contamination study.

Begin MARATHON physics for LHRS and continue RHRS kin16!