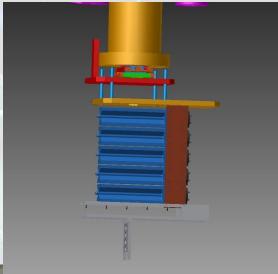


Run Group Planning

Thia Keppel









Experiments

	production running (PAC days)	setup/ checkout/ configuration change (PAC days)	notes	total PAC days
MARATHON (E12-10-103)	36.5	3.6 1.4 0.5	positron running polarity changes angle changes	42 🔨
				high impact
SRC (E12-11-112)	17	0.5 1.5	configuration changes calibration	19
(e,e'p) (E12-14-011)	11	1	calibration	12
Elastic (E12-14-009)				1.5
TOTAL				74.5



Accelerator Operations Schedule through June 2017

http://www.jlab.org/div_dept/physics_division/experiments/schedule.html

5991	02/05/17	Sunday	down	7				Š		1		
5992	02/06/17	Monday	down	3		2 /		Si s		4		
5993	02/07/17	Tuesday	down									
5994	02/08/17	Wednesday	down	1		3	g .	8	9		2	
5995	02/09/17	Thursday	down	10000								
5996	02/10/17	Friday	2.2	Restore				8	2	Acc		
5997	02/11/17	Saturday	2.2	Restore		§ .	1	6		Acc	1	
5998	02/12/17	Sunday	2.2	Restore		3	8		2	Acc		
5999	02/13/17	Monday	2.2	Restore		5 3				Acc	9	
6000	02/14/17	Tuesday	2.2	Restore						Acc		
6001	02/15/17	Wednesday	2.2	Restore	1	9	2	9	0	Acc	4	
6002	02/16/17	Thursday	2.2	Restore						Acc		

2/20/17

				•													
							10/2015	-6/2017 Sch	edule (20151113)								
	Δ	R I		D D	F	p	I 6	н н			×	1 1 1	M	I N	1 0	I P	0
1	Date	Weekday		Operations	Hall A	Hall A	Hall B	Hall B	Hall C	Hall C	Hall D	Hall D	Priority	FFB	Pass	Notes	
2		100	(agV/pass)/Pol	Status	Experiment	GeV/µA/Pol	Experiment	GeV/nA/Pol	Experiment	GeV/µA/Pol	Experiment	GeV/nA/Pol	Hall	Hall	A/B/C/D		
6003	02/17/17	Friday	2.2	4 halls			Beamline Commission - NOTE (12)		E12-10-002	6.6/40/-			Acc/B/			NOTE (12)	
6004	02/18/17	Saturday	22	4 halls			Beamline Commission		Pass change (12hrs)	44 (00.7	CD N	10 1000 1	Acc/B/				
6005	02/19/17	Sunday	22	4 halls			Beamline Commission		E12-10-003 - NOTE (13)	11/70/-	GlueX	12/200/-	Acc/B/			12 GeV Project Task	
6006	02/20/17 02/21/17	Monday Tuesday	2.2	4 halls 4 halls	E12-11-112 E12-11-112	4.4/20/- 4.4/20/-	Beamline Commission		E12-10-003 E12-10-003	11/70/-	GlueX GlueX	12/200/-	Acc/B/		_		
6007	02/21/17	Wednesday	22	4 halls	E12-11-112 E12-11-112	4.4/20/-	Beamline Commission Beamline Commission		E12-10-003 E12-10-003	11/70/-	GlueX	12/200/-	Acc/B/			NOTE (13)	
6009	02/22/17	Thursday	22	4 halls	E12-11-112	4.4/20/-	Beamline Commission		E12-10-003	11/70/-	GlueX	12/200/-	Acc/B/	-		NOTE (13)	
6010	02/24/17	Friday	2.2	4 halls	E12-11-112	4.4/20/-	CLAS12 Detector Checkout		E12-10-003	11/70/-	GlueX	12/200/-	Acc/B/			Last part of Hall C Detector	
6011	02/25/17	Saturday	2.2	4 halls	E12-11-112	4.4/20/-	CLAS12 Detector Checkout		E12-09-017	11/70/-	GlueX	12/200/-	Acc/B/			Commissioning Experiments	
6012	02/26/17	Sunday	2.2	4 halls	E12-11-112	4.4/20/-	CLAS12 Detector Checkout		E12-09-017	11/70/-	GlueX	12/200/-	Acc/B/	_		E12-10-003 tentative	
6013	02/27/17	Monday	2.2	4 halls	E12-11-112	4.4/20/-	CLAS12 Detector Checkout		E12-09-017	11/70/-	GlueX	12/200/-	Acc/B/			1 22 22 25 16 11 11 17 1	
6014	02/28/17	Tuesday	2.2	4 halls	E12-11-112	4.4/20/-	CLAS12 Detector Checkout		E12-09-017	11/70/-	GlueX	12/200/-	Acc/B/		7		
6015	03/01/17	Wednesday	2.2	4 halls	E12-11-112	4.4/20/-	CLAS12 Detector Checkout		E12-09-017	11/70/-	GlueX	12/200/-	Acc/B/		3		
6016	03/02/17	Thursday	2.2	4 halls	E12-11-112	4.4/20/-	CLAS12 Detector Checkout		E12-09-017	11/70/-	GlueX	12/200/-	Acc/B/				
6017	03/03/17	Friday	2.2	4 halls	E12-11-112	4.4/20/-	CLAS12 Detector Checkout		E12-09-017	11/70/-	GlueX	12/200/-	Acc/B/		5		
6018	03/04/17	Saturday	2.2	4 halls	E12-11-112	4.4/20/-	CLAS12 Detector Checkout		E12-09-017	11/70/-	GlueX	12/200/-	Acc/B/				
6019	03/05/17	Sunday	2.2	4 halls	E12-11-112	4.4/20/-	CLAS12 Detector Checkout		E12-09-017	11/70/-	GlueX	12/200/-	Acc/B/		2		
6020	03/06/17	Monday	2.2	4 halls	E12-11-112	4.4/20/-	CLAS12 Detector Checkout		E12-09-017	11/70/-	GlueX	12/200/-	Acc/B/				
6021	03/07/17	Tuesday	2.2	4 halls	E12-11-112	4.4/20/-	CLAS12 Detector Checkout		E12-09-017	11/70/-	GlueX	12/200/-	Acc/B/				
6022	03/08/17	Wednesday	2.2	4 halls	E12-11-112	4.4/20/-	CLAS12 Detector Checkout		E12-09-017	11/70/-	GlueX	12/200/-	Acc/B/				
6023	03/09/17	Thursday	2.2	4 halls	E12-11-112	4.4/20/-	CLAS12 Detector Checkout		E12-09-017	11/70/-	GlueX	12/200/-	Acc/B/				
6024	03/10/17	Friday	2.2	4 halls	E12-11-112	4.4/20/-	Engineering Run	2.7	E12-09-017	11/70/-	GlueX	12/200/-			9		
6025	03/11/17	Saturday	2.2	4 halls 4 halls	E12-11-112	4.4/20/-	Engineering Run		E12-09-017	11/70/-	GlueX GlueX	12/200/-					
6026	03/12/17	Sunday Monday	2.2	4 halls	E12-11-112	4.4/20/-	Engineering Run		E12-09-017	11/70/-		12/200/-					
6027	03/13/17	Tuesday	2 2 2 2 2	4 halls	E12-11-112 E12-11-112	4.4/20/- 4.4/20/-	Engineering Run Engineering Run		E12-09-017 E12-09-017	11/70/-	GlueX GlueX	12/200/-		-			
6028	03/15/17	Wednesday	2.2	4 halls	E12-11-112	4.4/20/-	Engineering Run		E12-09-017	11/70/-	GlueX	12/200/-					
6030	03/16/17	Thursday	22	4 halls	E12-11-112	4.4/20/-	Engineering Run		E12-09-017	11/70/-	GlueX	12/200/-		_			
6031	03/17/17	Friday	2.2	4 halls	E12-11-112	4.4/20/-	Engineering Run		E12-09-017	11/70/-	GlueX	12/200/-					
6032	03/18/17	Saturday	2.2	4 halls	E12-11-112	4.4/20/-	Engineering Run		E12-09-017	11/70/-	GlueX	12/200/-		_			
6033	03/19/17	Sunday	2.2	4 halls	E12-11-112	4.4/20/-	Engineering Run		E12-09-017	11/70/-	GlueX	12/200/-	N		0		
6034	03/20/17	Monday	2.2	4 halls	E12-11-112	4.4/20/-	Engineering Run		E12-09-017	11/70/-	GlueX	12/200/-					
6035	03/21/17	Tuesday	2.2	4 halls	E12-11-112	4.4/20/-	Engineering Run		E12-09-017	11/70/-	GlueX	12/200/-			8		
6036	03/22/17	Wednesday	2.2	4 halls	E12-11-112	4.4/20/-	Engineering Run	3 3	E12-09-017	11/70/-	GlueX	12/200/-			4		
6037	03/23/17	Thursday	2.2	4 halls	E12-11-112	4.4/20/-	Engineering Run		E12-09-017	11/70/-	GlueX	12/200/-					
6038	03/24/17	Friday	2.2	4 halls	E12-11-112	4.4/20/-	Engineering Run	§ 9	E12-09-017	11/70/-	GlueX	12/200/-					E .
6039	03/25/17	Saturday	2.2	4 halls	E12-11-112	4.4/20/-	Engineering Run		E12-09-017	11/70/-	GlueX	12/200/-					
6040	03/26/17	Sunday	2.2	4 halls	E12-11-112	4.4/20/-	Engineering Run	8	E12-09-017	11/70/-	GlueX	12/200/-	S		2		
6041	03/27/17	Monday	2.2	4 halls	E12-11-112	4.4/20/-	Engineering Run		Pass change (12hrs)	8.8/70/-	GlueX	12/200/-	-		8		
6042	03/28/17	Tuesday	2.2	4 halls	E12-11-112	4.4/20/-	Engineering Run	1	E12-09-017	8.8/70/-	GlueX	12/200/-					
6043	03/29/17	Wednesday	2.2	4 halls	E12-10-103	4.4/20/-	Engineering Run		E12-09-017	8.8/70/-	GlueX	12/200/-	N.				
6044	03/30/17	Thursday	22	4 halls 4 halls	E12-10-103	4.4/20/-	Engineering Run		E12-09-017	8.8/70/-	GlueX	12/200/-		_	-		
6045	03/31/17	Friday Saturday			E12-10-103	4.4/20/-	Engineering Run		E12-09-017	8.8/70/-	GlueX	12/200/-		1	1	-	
COC-40	04/01/17	Saturday	22	4 halls 4 halls	E12-10-103 E12-10-103	4.4/20/- 4.4/20/-	Engineering Run		E12-09-017 E12-09-017	8.8/70/- 8.8/70/-	GlueX GlueX	12/200/-		-		-	
6047	04/02/17	Monday	22	4 halls	E12-10-103 E12-10-103	4.4/20/-	Engineering Run Engineering Run		E12-09-017 E12-09-017	8.8/70/-	GlueX	12/200/-		_			_
6048	04/03/17	Tuesday	22	4 halls	Pass change (12hrs)	2.2/20/-	Engineering Run		E12-09-017	8.8/70/-	GlueX	12/200/-	8	+			
6050	04/05/17	Wednesday	2.2	4 halls	E12-11-112	2.2/20/-	Engineering Run		E12-09-017	8.8/70/-	GlueX	12/200/-		+			
6051	04/06/17	Thursday	22	4 halls	E12-11-112	2.2/20/-	Engineering Run		E12-09-017	8.8/70/-	GlueX	12/200/-					$\overline{}$
9031	, 00, 11		A CONTRACTOR OF THE PARTY OF TH	4 10000	ALL CALCADO	forth felt "	angulating start		D1E-07-017	Jaj ruj-	CHURCH	TEL PROF					



Scheduling

- 181/167 days scheduled/expected
 - ~2/20 − 6/4 104 days other than E, configuration changes
 - Will likely lose 2 weeks here (new schedule based on FY17 budget) 90 days
 - Fall 2018 likely 11.5 weeks (10/1 start 12/22, minus Thanksgiving) 77 days
- 75 PAC days approved x 2 = 150 days
- 1.1 GeV could run after
 - E12-14-009 (3H elastic) currently scheduled for 6/1-4/2017, 3 days
- Common checkout?
 - 4-5 days at start
 - Include optics for HRS-L
- <u>Looks do-able, 150 days + some extra optics checkout into 167 days</u> calendar





Experiment Considerations

- MARATHON
 - Not running BigBite a <u>major</u> help
 - Has agreed not to run non-standard energies, minimize R measurement to use time for n/p focus data
 - Needs both HRSs for electron detection, not in coincidence
 - Would like to reduce systematics by running ³H, ³He matched kinematics as close in time as possible
 - Largely 11 GeV
- SRC
 - Needs both HRSs for electron detection, not in coincidence
 - 2.2 and 4.4 GeV
- (e,e'p)
 - HRS-L and HRS-R in coincidence
 - Need to change spectrometer polarity (< 0.5 shift)
 - 4.4 GeV
- Elastic
 - HRS-L only
 - 1.1 GeV

Highly compatible group of experiments



Scheduling Plan

- SPRING PERIOD (~1/27/17 5/3/17) 90 days
 - Common checkout 6 days
 - MARATHON 84 days
- Low E Spring Extension (5/3/17 5/8/17) 4 days
 - Elastic experiment
- FALL PERIOD 77 days
 - SRC 38 days
 - Configuration change (trigger, polarity) and checkout 1 day
 - (e,e'p) 24 days
 - Elastic 3 days (if not already run, above)
 - Total 65 days...





Notes on Scheduling Plan

- Plan differs from what is currently on the formal schedule
 - Tritium running pushed back one run period (Fall to Spring)
 - Still requires 2 Halls at 5th Pass in Fall 2017
 - DVCS/GMp also use HRSs (see Jessie's talk)
- Plan has 12 days remaining "float" for Fall 2018 run
 - Could be used for any of the above experiments if necessary
 - Hall B will be coming online as well as C,D running
 - Preference is to finish early and begin de-installation as soon as possible, need time for (complicated) next experiment installation





Questions?

