

PHENIX Run-15 Preparations

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Run-15 BUP (revised)

- p+p @ 200 GeV with transverse polarization for 9 weeks [Physics driven goal is **50 pb^{-1}** recorded within **$|z| < 40 \text{ cm}$** and **$\langle P \rangle = 60\%$**]
- p+Au @ 200 GeV with transverse polarization of the proton for 5 weeks [Physics driven goal is **190 nb^{-1}** sampled within **$|z| < 40 \text{ cm}$** and **$\langle P \rangle = 60\%$** . We note that the request is with half the data switching the beams to Au+p.]
- p+Al @ 200 GeV with transverse polarization of the proton for 2 weeks [Physics driven goal is **450 nb^{-1}** sampled within **$|z| < 40 \text{ cm}$** and **$\langle P \rangle = 60\%$**]



Of concern in Run-15

- MPC-EX North and South commissioning.
- FVTX/VTX re-commissioning.

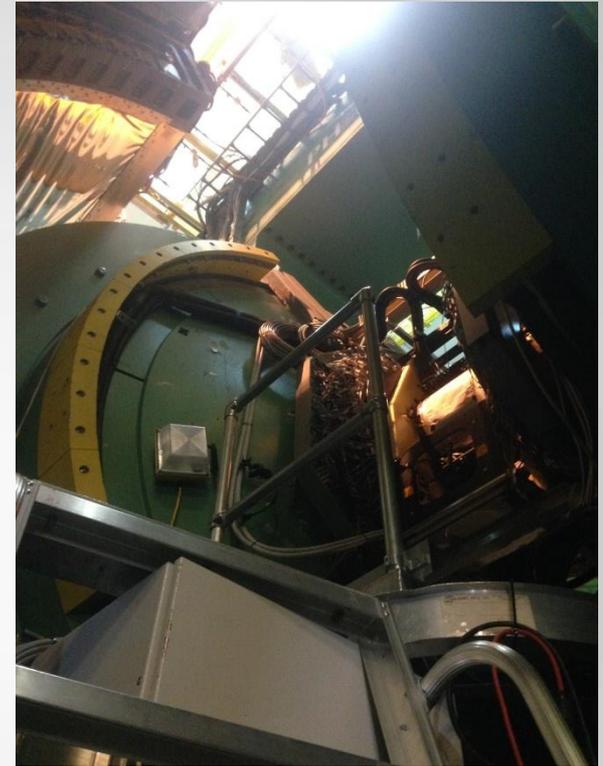
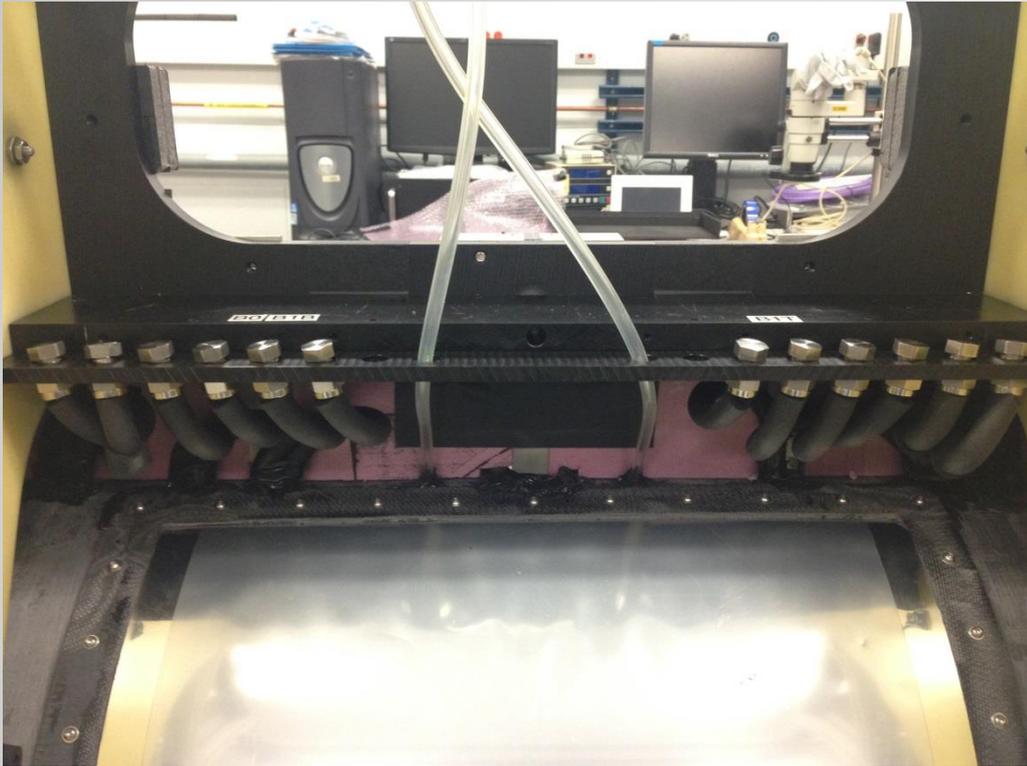


Status of Preparations

- PHENIX is pushing hard to be ready for Run 15 start on January 27, 2015.
- MPC-EX North and South installed.
- FVTX/VTX installed.
- Sheeting has begun. Complete this week.
- Cooling system checks under way.
- Commissioning is starting.



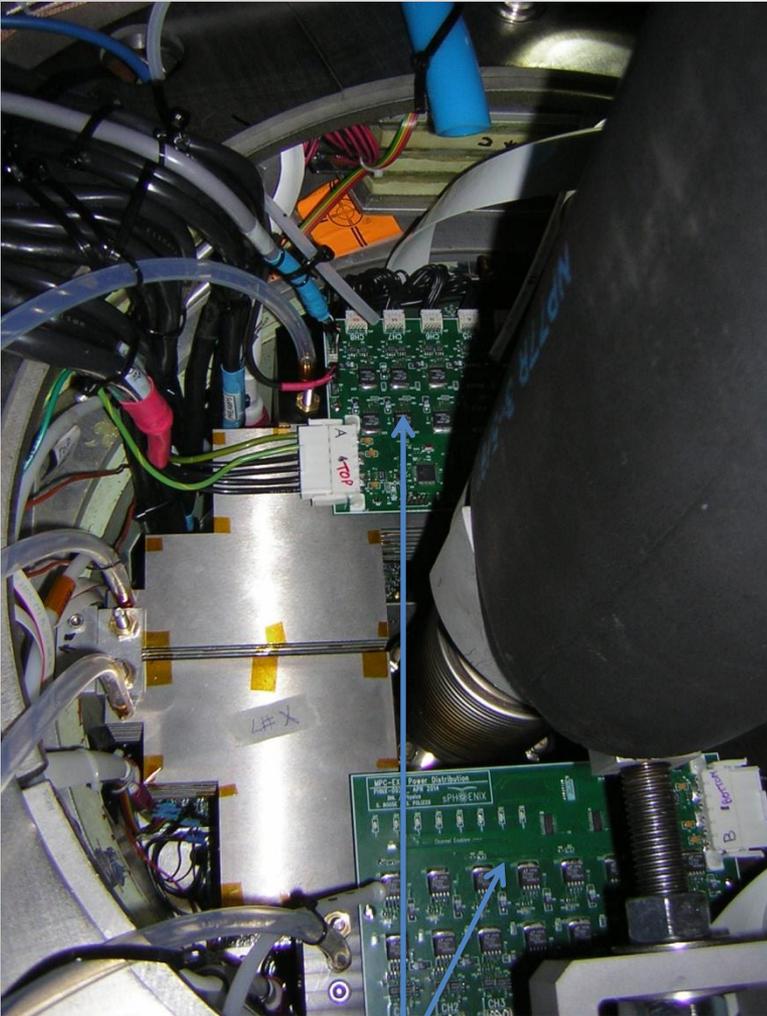
FVTX/VTX Status



- Detector fully installed, cabled, insulated and closed up.
- Cooling system functioning at 18°C.
- Dry Nitrogen flowing.
- Have addressed condensation issues.
- Groups are now bringing detector back to operational.



MPC-EX Status



LV Distribution Boards

Important to control beam loss

- Both North and South MPC-EX detectors installed and cabled.
- Read real signals from silicon sensors at bias through stand-alone readout.
- Working to incorporate into PHENIX DAQ.
 - Have successfully passed data from a FEM we had set up in the counting house.
 - Have successfully cycled data from an FEM in the hall making a number of raw data files with several thousand events in each. The data files were checked with ddump by hand and by a macro that double-checked the parity words. All looked fine.
 - Working on multi-event buffering.



Spin Tasks

Task	Run 11	Run12	Run13	Run15
Local pol	Ciprian, Sanghwa	Josh/Sanghwa/Cip	Minjung Kim (SNU)	Junsang (SNU) Minjung*
Spin monitor/Oncal/CDEV	Sookhyun, Andrew, Paul, Kieran	Hide (Tokyo), John Koster	Mike Beaumier (UCR)	SeYoung, Mike*, Xiaodong
Fast production (muons + electrons)	Martin (UIUC), Yoshimitsu (RIKEN)	Mike Beaumier (Muon)	Darshana Perera(NMSU), Nils Feege(SBU)	Nils Feege, Stacy Karthas(SBU), Darshana?
EMCal Calibration (contact:Jeff Mitchell)	Andrew (SUNY)	Ciprian (SUNY)	Jeff	Jeff
Relative Luminosity	Andrew (SUNY), Kieran (RBRC)		Hari (GSU), Inseok(SNU)	Haiwan, Kieran*
Vernier Scans	Dave Kawall, Paul Kline, Oleg, Kensuke	Mike Beaumier (UCR)	Sadeera (Umass)	Katherine DeBlasio, Gregory Otino (UNM)
ERT	Kensuke	Kensuke, Chin-Hao Chen	Chin-Hao Chen, Inseok, Kieran	Inseok, Sadeera, Minjung, Yorito, Zhongling (SBU)

PHENIX
Spin
coordinator
– Itaru
Nakagawa



Shift Status

- Currently we are pretty well covered beginning with watch shifts on Jan. 13 through end of March.
- Have a few vacancies left in the shift schedule through end of March.
- Have commitments for period coordinators through mid-May.
- Are filling Subsystem Experts shifts.



Period Coordinators

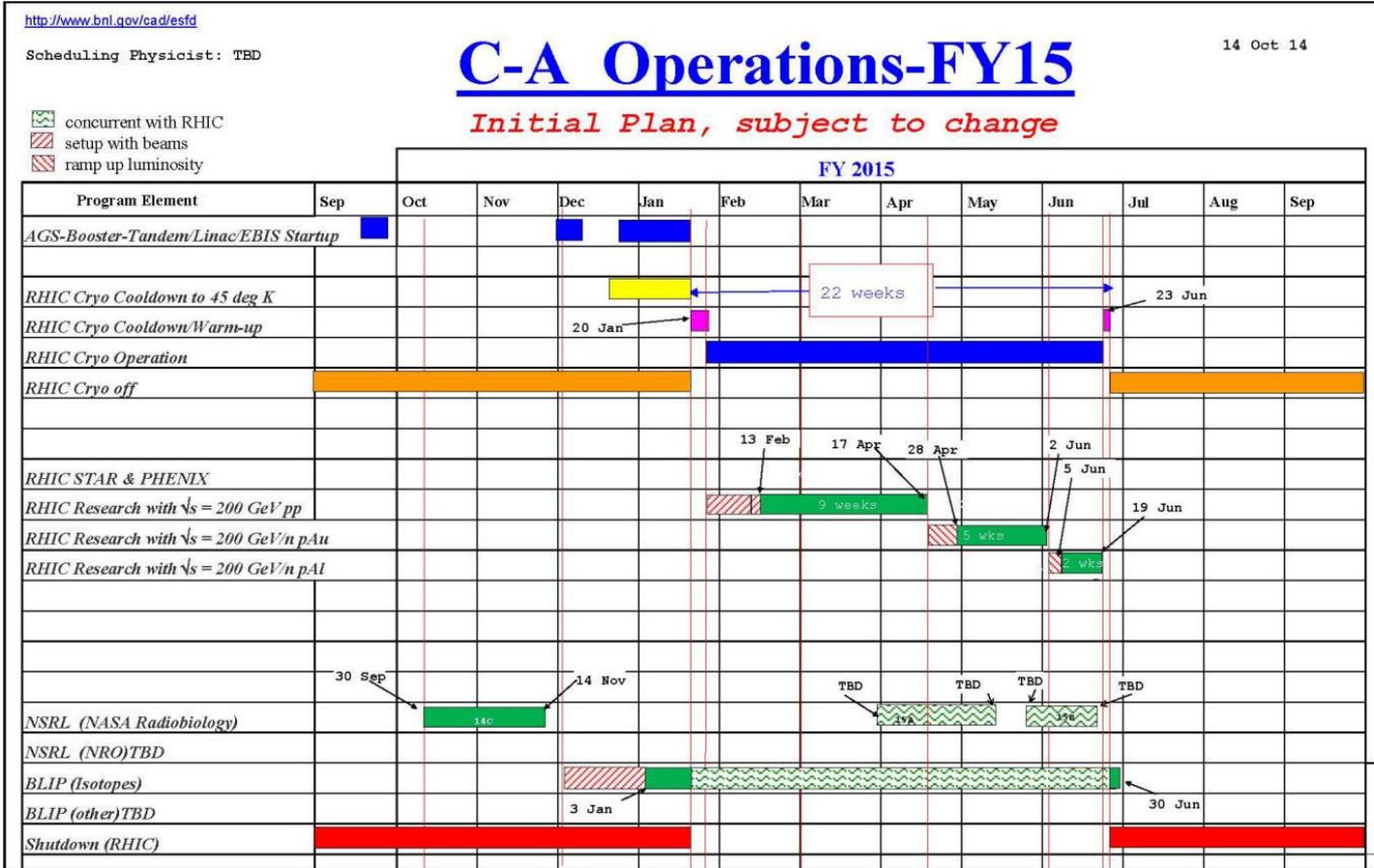
Dates	Name	Comments
01/13/2015 – 01/20/2015	John Haggerty	Sheeting
01/20/2015 – 02/03/2015	Sarah Campbell	Beginning of run, MPC-EX
02/03/2015 – 02/17/2015	Darren McGlinchey	
02/17/2015 – 03/03/2015	Klaus Dehmelt	RC on travel 2/26 – 3/3
03/03/2015 – 03/17/2015	Norbert Novitzky	
03/17/2015 – 03/31/2015	Jin Huang	
03/31/2015 – 04/14/2015	Eric Mannel	
04/14/2015 – 04/28/2015	Nicole Apadula (tent)	Change to p + Au
04/28/2015 – 05/12/2015	Hubert van Hecke	RC on travel end of April
05/12/2015 – 05/26/2015		
05/26/2015 – 06/09/2015		Change to p + Al
06/09/2015 – 06/23/2015		



Backup



CAD Schedule



FVTX/VTX Status

- Detector fully installed, cabled, insulated and closed up
- Cooling system and functioning during the daytime (Mon-Fri) at 18C
- Dry Nitrogen flowing
- A few leaks in one (north?) manifold that need to be addressed before start of run
- FVTX LV bulk supply voltages lowered to reduce overheating of LDOs. Nothing has been done with the VTX bulk supplies.
- Flow interlocks are operational but not fully tested
- Thermal interlocks are partially operational. The PLC is on and configured and should alarm if there is an over temperature condition and trip LV/Bias, however it has not been tested. There is currently an issue with the OPC server/client interfaces as a result of system upgrades to Windows7. John H is working on this and we have a fall back plan to use a windowsXP system if necessary. We will have to address some security concerns, but there is a plan for that.
- LV control is still experiencing some issues. Steve B. is looking at it and will continue to work on it first thing next week. The focus will be on the FVTX, followed by the VTX Pixel and StriPixel systems.
- No recent work has been done to check out the Bias systems, however, there was basic functionality of all 3 crates in November (e.g ping them , query status).



On-line Monitoring

Online Monitoring Status

green: good to go, red: not ready, yellow: almost ready (no docs, no contact)

connected to database Phenix on phnxdb1

Subsystem	Contact	Documentation	Remarks
acc	TBA	documentation	
bbc	TBA	documentation	
bbclv11	John Lajoie	documentation	
daq	Chris Pinkenburg	documentation	
dch	TBA	documentation	
emc	Andrey Yanovich	documentation	
ert	TBA	documentation	
ertlv11	Milap Patel	documentation	
fvtx	Haiwang Yu	documentation	
g11	John Lajoie	documentation	
localpol	TBA	documentation	
mcr	Chris Pinkenburg	documentation	
mpc	TBA	documentation	
mpc-ex	Jaehyeon Do	Missing	
muid	David Silvermyr	documentation	
muidlv11	John Lajoie	documentation	
mutr	TBA	documentation	
mutrig	Sangwha Park	documentation	
pad	TBA	documentation	
pbgl	TBA	Missing	
pktsize	Chris Pinkenburg	documentation	
rich	TBA	documentation	
spin	TBA	documentation	
tofe	TBA	documentation	
tofw	TBA	documentation	
vtxp	TBA	documentation	
vtxs	TBA	documentation	
zdc	TBA	documentation	
zdcvlv11	John Lajoie	documentation	
Subsystem	Contact	Documentation	Remarks



Subsystem Experts

Subsystem experts

Subsystem	Current Expert	Current Assistant(s)
Aerogel	Hiroshi Nakagomi	
BBC		
DAQ	Ed Desmond Martin Purschke Chris Pinkenberg	
Drift Chamber		
EMCal_PbG1		
EMCal_PbSc		Arthur Durum
ERT	Sadeera Bandara	
FVTX	Melynda	
Level-1	John Lajoie	
Magnet		
MPC	Mickey Chiu	
MPC-EX	Joe Osborn	
MuID		
MuTr	Itaru Nakagawa	Denis Jouan
MuTrigger	Sanghwa Park	
PadChamber	Damian Reynolds	
RICH		
TOF-E	Hiroshi Nakagomi	
TOF-W		
VTX	Rachid Nouicer Taebong Moon	
ZDC		
Run_Coordinator	Douglas Fields	
Spin_Coordinator	Itaru Nakagawa	
Period_Coordinator	John Haggerty	

Click on a name to see the person's contact information.

Click on a subsystem name to go to their schedule and signup page.



Proposal for change in Shift Change Meeting

- Standing BlueJeans meeting.
 - Allows remote connections to see what we are showing.
 - Down side is perhaps encourages remote connections?
- I would like to have 1+ page presentations by each subsystem once/week to demonstrate subsystem performance.
 - Could just be plots from online monitoring.



Shift Status

2015-01-13	2015-01-20	00-08ont	Joann Deuis eraw	NOT NEEDED	NOT NEEDED	NOT NEEDED	Yoo Jahee korea	NOT NEEDED
2015-01-13	2015-01-20	08-16day	Johnson, Brent bul_phys	NOT NEEDED	NOT NEEDED	NOT NEEDED	Betha Stefan beruch	NOT NEEDED
2015-01-13	2015-01-20	16-24eve	Dora Colver bul_phys	NOT NEEDED	NOT NEEDED	NOT NEEDED	Akano Hidemitsu kyoto	NOT NEEDED
2015-01-20	2015-01-27				Period Coordinator: Campbell Sarah - us_ <input type="checkbox"/>			
2015-01-20	2015-01-27	00-08ont	Joann Deuis eraw	Kim Minyoung seoul_int	Orbon, Joseph midigma		Devi Paul maryland	-
2015-01-20	2015-01-27	08-16day	Wang Maorong seoul	Bob Jeongin seoul	Peters Darshana seoul		Liam Seungbin yongin	-
2015-01-20	2015-01-27	16-24eve	Silva Cesar losalamos	Do Jaehyeon yongin	Kim Jun-Lee cheonbuk		Lee Seungmin yongin	-
2015-01-27	2015-02-02				Period Coordinator: Campbell Sarah - us_ <input type="checkbox"/>			
2015-01-27	2015-02-03	00-08ont	Joann Deuis eraw	Hui Seoyoung seoul	Yoo Jahee korea		Orbon, Joseph midigma	-
2015-01-27	2015-02-03	08-16day	-	Desmond Edmund bul_phys	Jung Maedong losalamos		Tranichhe, Dantny papi	-
2015-01-27	2015-02-03	16-24eve	Timofteia Arlin us_	Do Jaehyeon yongin	Kim Jun-Lee cheonbuk		Lee Seungmin yongin	-
2015-02-03	2015-02-10				Period Coordinator: McClintchey, Darren - colorado <input type="checkbox"/>			
2015-02-03	2015-02-10	00-08ont	Park Seungbae seoul_int	Hui Seoyoung seoul	Georgi Taku ca		Paul Junsoo seoul_int	-
2015-02-03	2015-02-10	08-16day	Jumper Daniel ill_usa	Miles Abraham seoul	Peters Darshana seoul		Tranichhe, Dantny papi	-
2015-02-03	2015-02-10	16-24eve	Ferna Adam bul_phys	Yoo Jahee korea	Yoon Jaeseok seoul_int		Moon, TaeBong yongin	-
2015-02-10	2015-02-16				Period Coordinator: McClintchey, Darren - colorado <input type="checkbox"/>			
2015-02-10	2015-02-17	00-08ont	Park Seungbae seoul_int	Moan TaeBong yongin			Colin, Peter czech_tech	-
2015-02-10	2015-02-17	08-16day	-	Hoshino Tomoya hiroshima	Yuhun Seopil seoul_int_p		Tranichhe, Dantny papi	-
2015-02-10	2015-02-17	16-24eve	Brydenricky Jason beruch	Royce Zachary beruch	Shinaka Mikolav charlie_czech		Isabella Jones rutakoba	-
2015-02-17	2015-02-24				Period Coordinator: Huang Jun - bul_phys <input type="checkbox"/>			
2015-02-17	2015-02-24	00-08ont	-	Ran Chong korea			-	-
2015-02-17	2015-02-24	08-16day	Tanaka Kiyoshi seoul_int	Shinaka Mikolav charlie_czech	Virus, Miroslav czech_tech		Colin, Peter czech_tech	-
2015-02-17	2015-02-24	16-24eve	Robard, Sky ca_usr	Nakagami Hiroaki rutakoba	Kotov Dantny papi		Tranichhe, Dantny papi	-
2015-02-24	2015-03-02				Period Coordinator: Huang Jun - bul_phys <input type="checkbox"/>			
2015-02-24	2015-03-03	00-08ont	Enokizono Akimoto nikko	Ran Chong korea	Hosana Kenzuka hiroshima		Colin, Peter czech_tech	-
2015-02-24	2015-03-03	08-16day	Hoshino Tomoya hiroshima	Shimomura Maya us_	Nagakami Kenya hiroshima		Virus, Miroslav czech_tech	Ueda Yoshika hiroshima
2015-02-24	2015-03-03	16-24eve	Hachaya Takashi nikon	Shinaka Mikolav charlie_czech	Kotov Dantny papi		Tranichhe, Dantny papi	-
2015-03-03	2015-03-10				Period Coordinator: Novitsky, Norbert - stonybrook_p <input type="checkbox"/>			
2015-03-03	2015-03-10	00-08ont	Kiura Dantnyella tikkyo	Aida Christina midigma	White, Kevin midigma		Carroll Robert midigma	-
2015-03-03	2015-03-10	08-16day	Woody Craig bul_phys	Shimomura Maya us_	Virus, Miroslav czech_tech		Colin, Peter czech_tech	-
2015-03-03	2015-03-10	16-24eve	Hachaya Takashi nikon	Shinaka Mikolav charlie_czech	Kotov Dantny papi		Tranichhe, Dantny papi	Safarov, Alibek us_ghbta
2015-03-10	2015-03-17				Period Coordinator: Novitsky, Norbert - stonybrook_p <input type="checkbox"/>			
2015-03-10	2015-03-17	00-08ont	-	-	Viktorov, Kenzaev ca		Sato, Shivanan jasa	-
2015-03-10	2015-03-17	08-16day	Tanaka, Mike bul_phys	Shinaka Mikolav charlie_czech	Virus, Miroslav czech_tech		Colin, Peter czech_tech	-
2015-03-10	2015-03-17	16-24eve	Robard, Sky ca_usr	-	Kotov Dantny papi		Tranichhe, Dantny papi	Safarov, Alibek us_ghbta
2015-03-17	2015-03-24				Period Coordinator: <input type="checkbox"/>			
2015-03-17	2015-03-24	00-08ont	Nakase Kouichi nitech	Evans ShinJhi rutakoba	Murakami, Tomoya kyoto		Sato, Shivanan jasa	-
2015-03-17	2015-03-24	08-16day	He Guochun us_	Hsieh Tin-tsun us_	Nielang us_		Leghuan Margaret us_	Wong, ChienPing us_
2015-03-17	2015-03-24	16-24eve	Sawaya, Masah us_	Tsujitani, Eiji us_	Peregrina Dennis bul_phys		Gregorio, Mari us_	-
2015-03-24	2015-03-30				Period Coordinator: <input type="checkbox"/>			
2015-03-24	2015-03-31	00-08ont	-	-	-		Safarov, Alibek us_ghbta	-
2015-03-24	2015-03-31	08-16day	Tsujitani, Shinak waseda-us	Kohlsky, Theo colorado	Emanuel, Michael ca_usr		Oyama, Shoji colorado	-
2015-03-24	2015-03-31	16-24eve	Feng, Shi stonybrook_p	Zou, Liankun ca_usr	Do Jaehyeon yongin		Tranichhe, Dantny papi	Kagukiya, David ca_usr



Run-15 Web Page

- Current Run-15 page is now available, but mostly just copied from Run-14.
- Many links broken.
- I will begin to update and correct links.

