

APS/Users Monthly Operations Meeting

G. Brian Stephenson

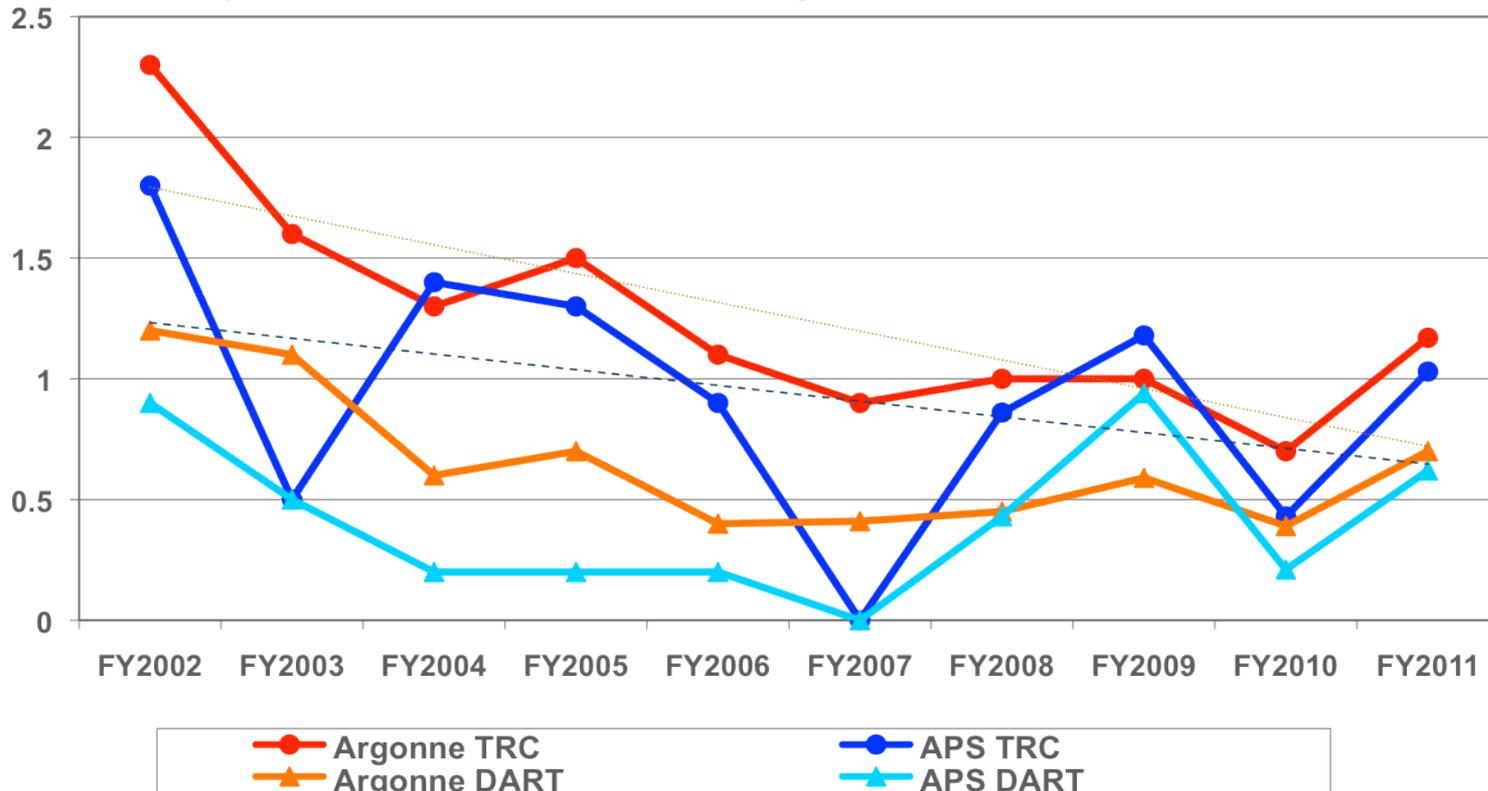
October 26, 2011

Agenda

- 2:30 p.m. Refreshments
- 2:45 p.m. APS Update – Brian Stephenson
- 3:10 p.m. APS-U Update – Derrick Mancini
- 3:25 p.m. HHL Monochromator, Absorber and XBPM Testing at 29-ID: Status and Future Plans – Lahsen Assoufid
- 3:45 p.m. Adjourn



APS Safety Statistics Through FY11



TRC = Total OSHA Recordable Case Rate per 200,000 Hours Worked

DART = Days Away, Restricted Duty, or Job Transfer Case Rate per 200,000 Hours Worked

FY2002-4 APS Divs.

FY2005-8 SUF (APS Divs.+ IPNS)

FY2009-10 PSC (APS Divs. Only)

FY2011 PSC (APS Divs) data thru 9/11



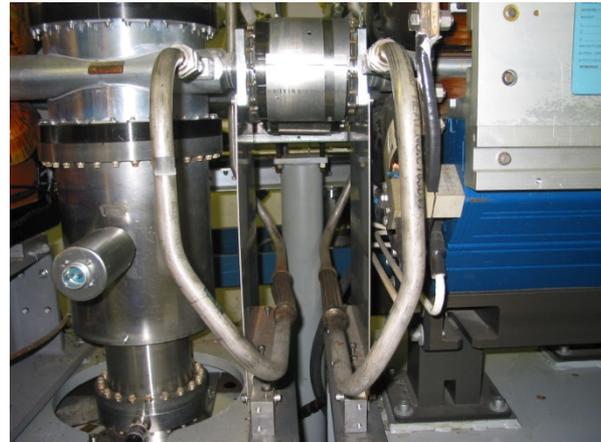
APS Safety Action Plan - Group Meetings

- We must constantly improve our work practices and communicate safety awareness to all staff
- Last month each group had a discussion about the application of Integrated Safety Management in their everyday work
- Have not heard from the following: MR-CAT, GSE/Bio/ChemMatCARS, HP-CAT, IMCA-CAT, GM/CA –CAT, & NE-CAT
- We need to follow up with continued focus, communication, awards

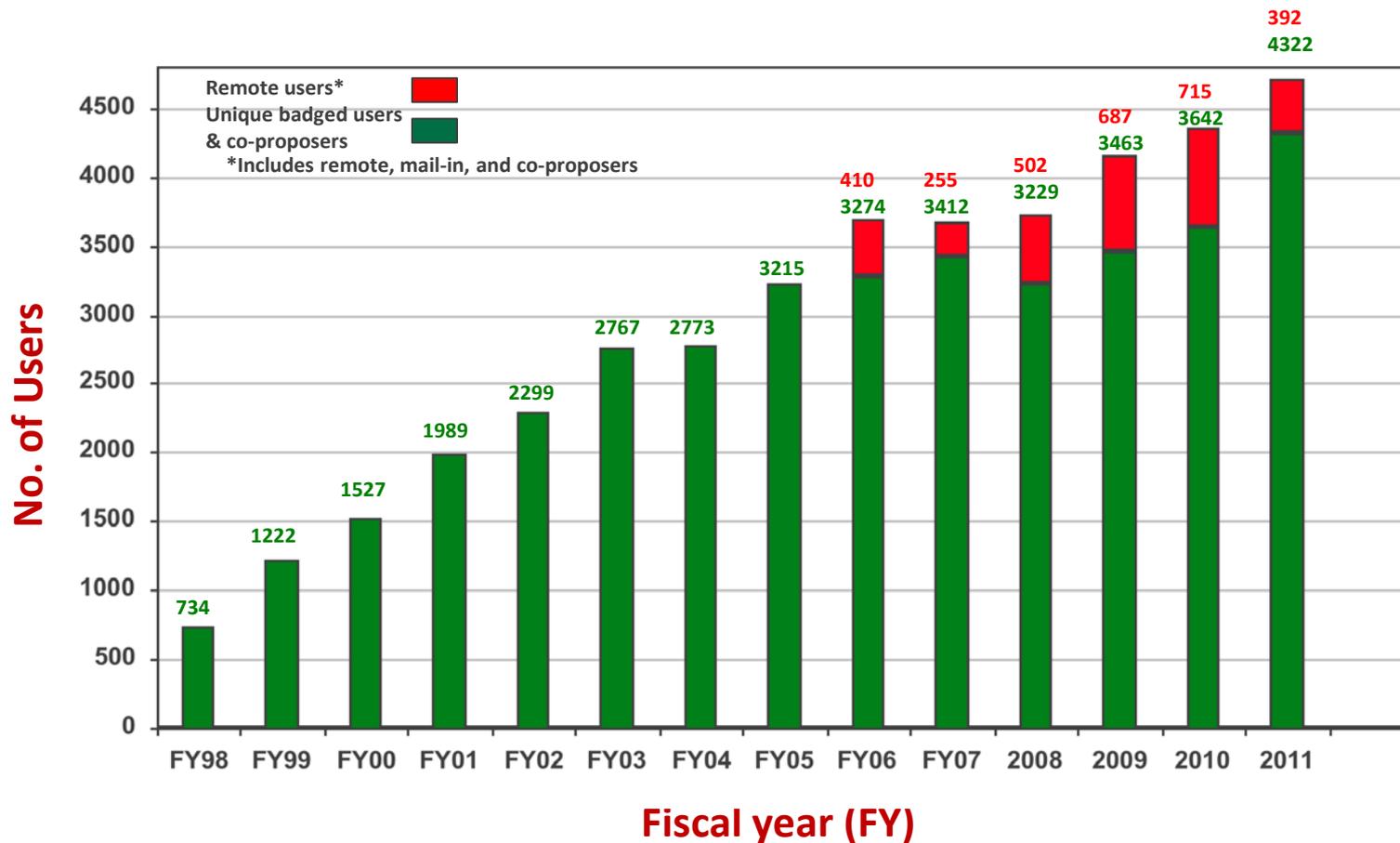


Lifting Injury

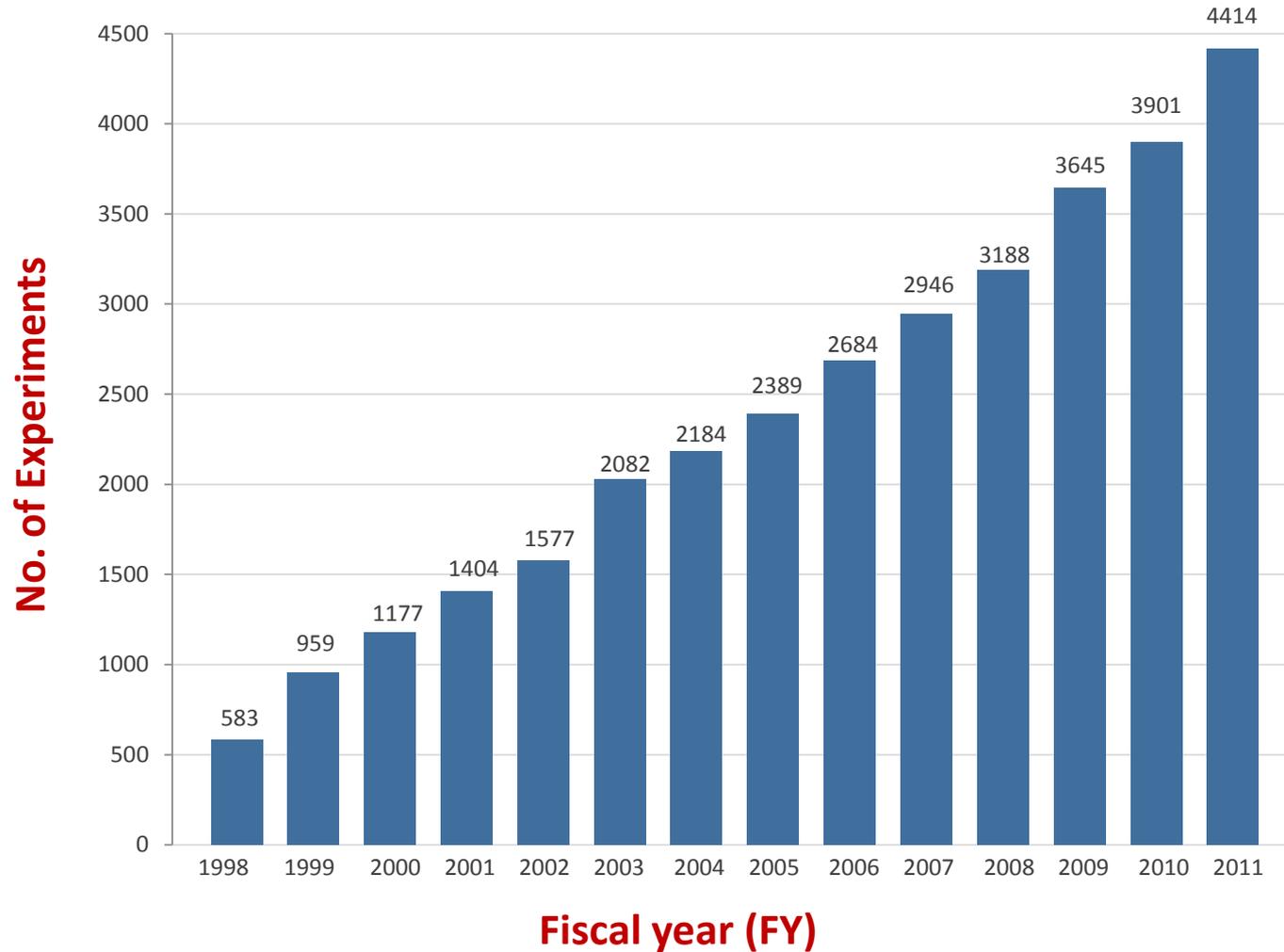
- APS technician suffered a partially torn tendon in right forearm while replacing lead bricks on a local shield stand:
 - Picked up lead bricks (22 lbs) from floor to stack on stand using only right hand and felt loss of strength in right forearm
 - Initial diagnosis was strain, subsequent tests revealed tendon partially torn
 - Required surgery to repair as did not heal on own
- Lessons Learned from injury
 - Use two hands in lifting lead bricks or use lifting device if it will fit
 - Full extent of injury may not be evident for several days or weeks



Number of APS users participating in experiments (on-site and remote), FY1998-FY2011



Number of experiments by APS users, FY1998-FY2011



Scientific Advisory Committee Meeting October 12-13

- Charge Item: Future Beamline Reviews
 - In the future, all APS sectors will be occupied
 - New programs can only be created by the evolution or replacement of existing programs
 - What process should be used to review the tenure of each beamline?
- SAC agreed to take lead in beamline reviews
- Process is being drafted
- Expect to start with APS-operated beamlines next year



BES Facility Directors Meeting November 8

Agenda:

- Industrial user programs, potential changes to master user agreements
- Definition of high-impact publications
- Data analysis, storage, and distribution



Budget and Staffing

- We are operating under a continuing resolution, expected to last through November
- After the CR, we expect funding for both operations and Upgrade preliminary design this year
- Have active searches underway for 64 personnel openings



Pacesetter: Oliver Schmidt (AES), Greg Wiemerslage (AES) and Dan Legnini (XSD)



Successfully implementing the upgrade of 34-ID to a canted geometry within a very aggressive schedule, and resuming experiment operations with no lost General User time.

Pacesetter: Louis Emery (ASD)



Created and maintained a software system based on open source tools that allowed 16 authors to simultaneously work on the 228-page Accelerator Physics chapter of the APS-U CDR, resulting in a much higher quality document with much less effort than otherwise possible



Pacesetter: Cathy Eyberger (AES) and Rick Fenner (PSC)



Extraordinary effort and professionalism in the production of the Conceptual Design Report for the APS Upgrade project while meeting challenging deadlines and technical requirements.



Pacesetter: Michael Merritt (ASD)



Outstanding initiative and effort of coordinating activities of Building 314 renovation.

Pacesetter: Diane Wilkinson (PSC), Gemma Cutinello (OTD), and Kelly Jaje (AES)



Provided extraordinary time and effort to meet the deadline for the preparation and execution of the DOE review of the APS Upgrade for Critical Decision 1.

The review was extremely well run and organized due to these efforts, contributing to its success resulting in a recommendation for approval of Critical Decision 1.

Pacesetter: Dave Bromberek (ASD)



In recognition of extraordinary effort in the coordination and planning of the initial Short Pulse X-ray (SPX) project cost and schedule. Provided excellent guidance and coordinated the input from more than 20 people across 5 divisions and 2 other National Laboratories. This work in part contributed to a successful DOE review recommending the APS Upgrade Project be approved for Critical Decision 1.

Pacesetter: Dean Haeffner (XSD), Mohan Ramanathan (AES) and Marion White (ASD)



Extraordinary effort in planning and organizing the work required to achieve Critical Decision 1 for the APS Upgrade project. Provided excellent guidance and coordination of scientists and technical staff who contributed to producing the APS-U Conceptual Design Report, resulting in a successful DOE review recommending the APS-U be approved for CD-1, a critical step in developing new research capabilities at the APS.

APS-U Update

D. Mancini

October 26, 2011

Roadmap Beamline Stakeholder Meetings

WBS	Name	Acronym	Current Beamline	Working Possibilities	L3	Internal Stakeholders	External Stakeholders	Meeting Date	Attendees
U1.04.02.05	Wide Field Imaging	WFI		18-ID, 19-ID, 20-ID	Wah-Keat Lee (in transition)	Chris Jacobsen Francesco De Carlo Kamel Fezzaa		9/27/11	
U1.04.02.06	High Energy X-ray Tomography	HEXT			Francesco De Carlo	Chris Jacobsen			
U1.04.02.07	In-situ Nanoprobe	ISN		2-ID, 25-ID, 27-ID, 28-ID	Jorg Maser	Barry Lai Chris Jacobsen Stefan Vogt		10/14/11	
U1.04.02.08	Resonant Inelastic X-ray Scattering	RIXS	9-ID		Thomas Gog	Sector 9 Staff	John Hill		
U1.04.02.09	Magnetic Spectroscopy	MS	4-ID		Jonathan Lang	Daniel Haskel Dave Keavney John Freeland		9/27/11	
U1.04.02.11	X-ray Interface Science	XIS			Paul Zschack	Brian Stephenson	Mike Bedzyk Paul Fuoss Paul Fenter	10/14/11	
U1.04.02.12	Sub-micron 3D Diffraction	S3DD	34-ID		Wenjun Liu	Paul Zschack	ORNL (Ice, Larson, or Budai)		
U1.04.02.13	Advanced Spectroscopy and LERIX	ASL	20-ID	Probably 20-ID	Steve Heald		Gerry Siedler Canadians?		
	6-ID Relocation - Magnetic Diffraction	MD	6-ID		Doug Robinson	Jonathan Lang	Alan Goldman Thomas Burkel (Julich) Paul Miceli	10/5/11	
	7-BM Relocation - Fuel Spray Imaging	FSI	7-BM		Jin Wang		Alan Kastengren Chris Powell		
	Relocation caused by WFI Imaging (19-ID Version)		19-ID				Andrzej Joachimiak	9/8/11	Andrzej Joachimiak Derrick Mancini Dean Haeffner
	Relocation caused by WFI Imaging (18-ID Version)		18-ID				Tom Irving	6/30/11	Tom Irving Derrick Mancini Brian Stephenson Dennis Mills Dean Haeffner
	Liq. Surf. Scat. Relocation	LSS	9-ID			Thomas Gog Ivan Kuzmenko	Kent Blasié David Vaknin Ben Ocko Pulak Dutta		
	CDI relocation		34-ID			Ross Harder Ian McNulty	Ian Robinson	10/6/11	
	DC-CAT						DCS Team		
	11-ID upgrade		11-ID			Pete Chupas	Lin Chen Dave Tiede	9/8/11	Peter Chupas David Tiede Lin Chen George Srajer Derrick Mancini Dean Haeffner
	2-ID Diffraction		2-ID			Zhonghou Cai			
	TXM		32-ID			Steve Wang	Hu (Taiwan)		
	15-ID		15-ID			Jim Viccaro		9/6/11	Jim Viccaro Derrick Mancini Dean Haeffner

Advanced Photon Source Upgrade (APS-U) project



Roadmap Beamline Stakeholder Meetings

CDI			
34-ID	Remains on cant	100% or shared 50%	
2-ID	new cant		
32-ID	new cant		
9-ID	new cant	with another program	
25-ID-2	Cant in new sector		
27-ID-2	Cant in new sector		
28-ID-2	Cant in new sector		
Magnetic Diffraction		must move from 6-ID	and incorporate 4-ID
9-ID	new cant	with another program	
25-ID-2	Cant in new sector		
27-ID-2	Cant in new sector		
28-ID-2	Cant in new sector		
RIXS			
9-ID	Stay in 9, move LSS	add program from 30-ID	
30-ID	Stay in 30, move HERIX		
25-ID-1	No cant		
27-ID-1	No cant		
28-ID-1	No cant		
35-ID	Move MERIX to 35, leave LSS	diagnostics moves	needs little space