

# APS Update

APS/Users Monthly Operations Meeting  
March 28, 2012

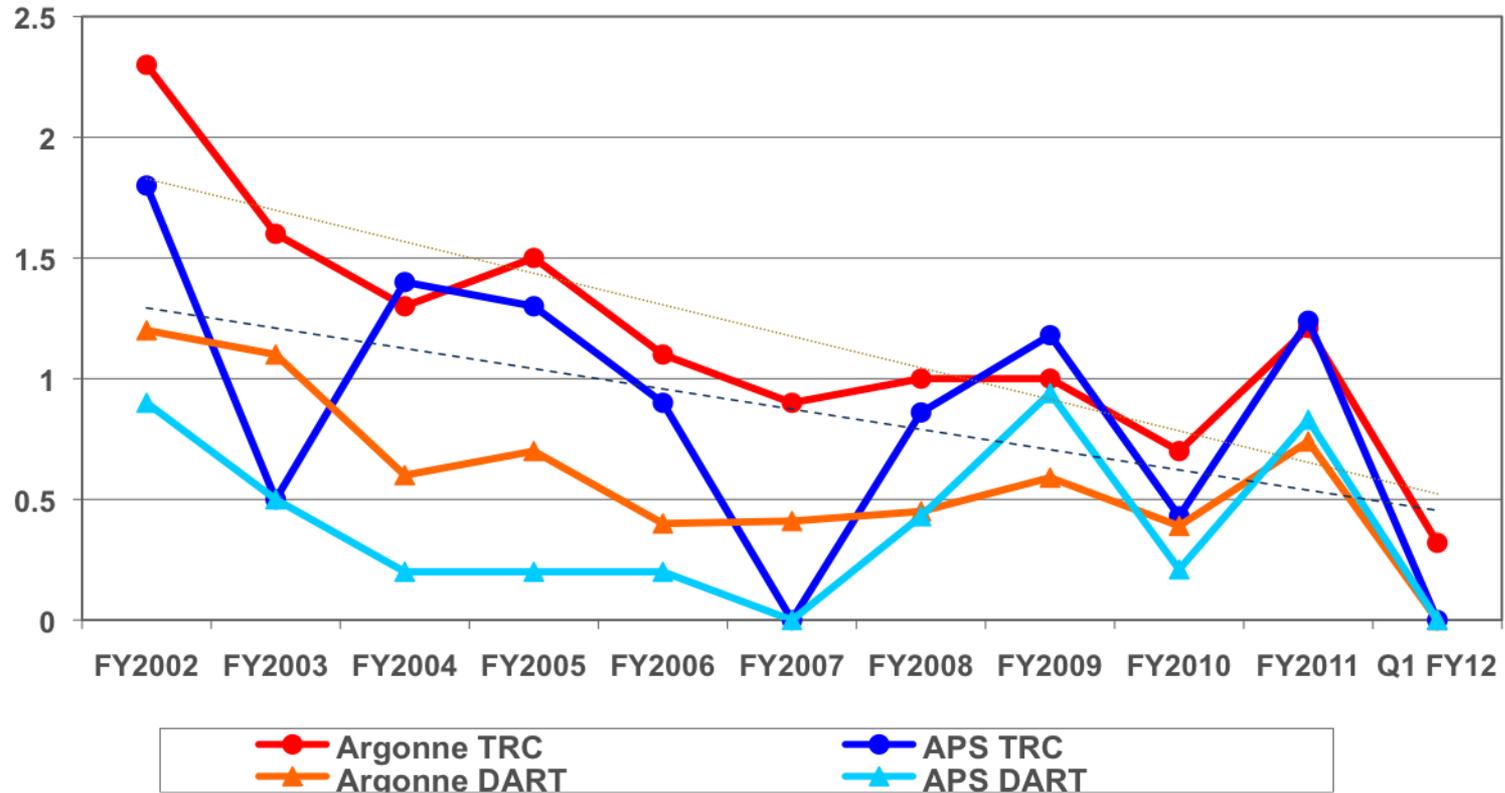
Dennis Mills

# Agenda

- APS Update
  - Safety
  - APS Updates
  - SAC Meeting
  - Pacesetters
- *"Possibilities for a Very Large Storage Ring Light Source"*, Michael Borland, ASD/ANL
- *"X-ray Illumination in Solar Energy Conversion: Highlights of the Argonne-Northwestern Solar Energy Research (ANSER) Center EFRC Work at the APS"*, David Tiede, CSE/ANL



# FY12 Accident Rates Look Good So Far



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.

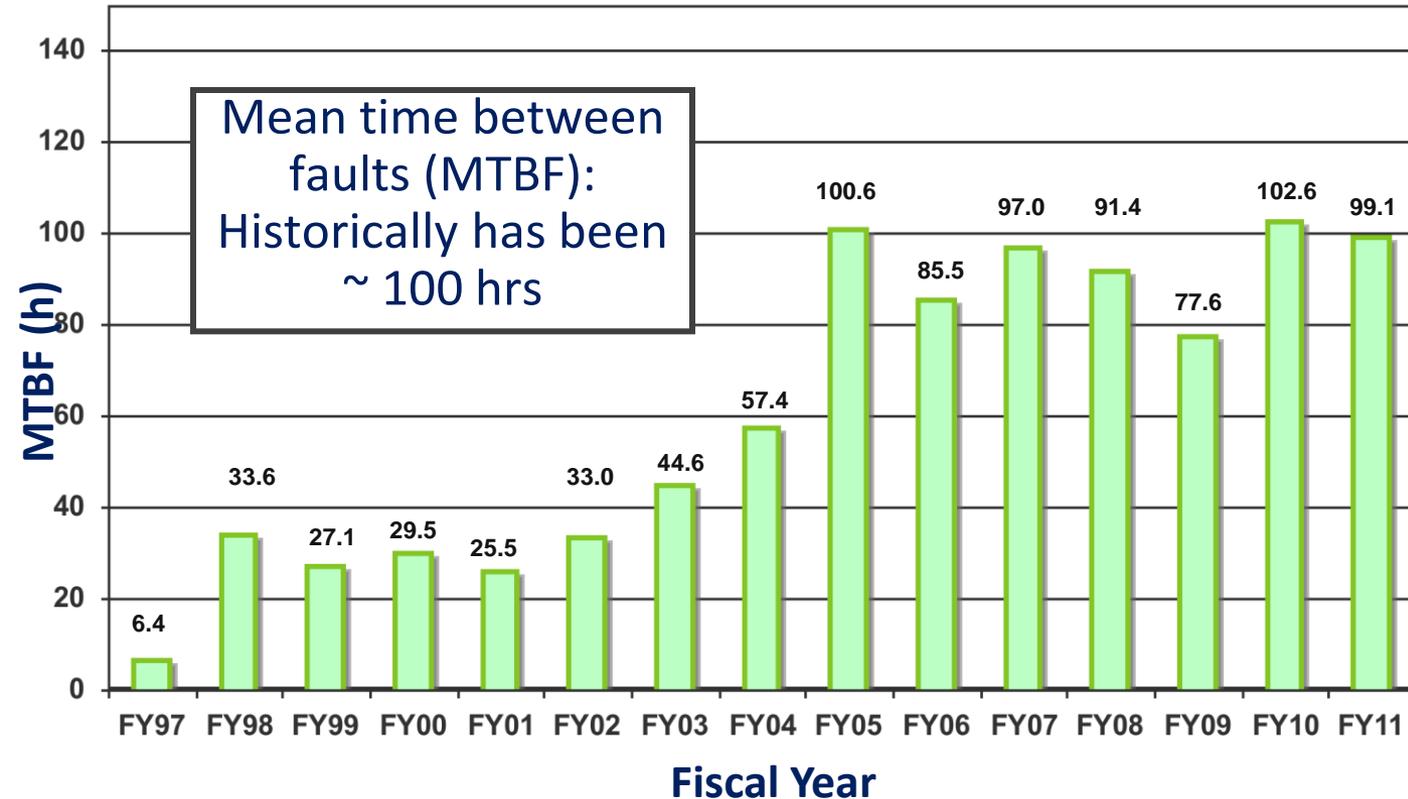
FY2005-8 SUF (APS Divs.+ IPNS)

FY2009-10 PSC (APS Divs. Only)

FY2011 PSC (APS Divs) data thru 9/11



# Record Performance of Accelerator Oct-Dec 2011



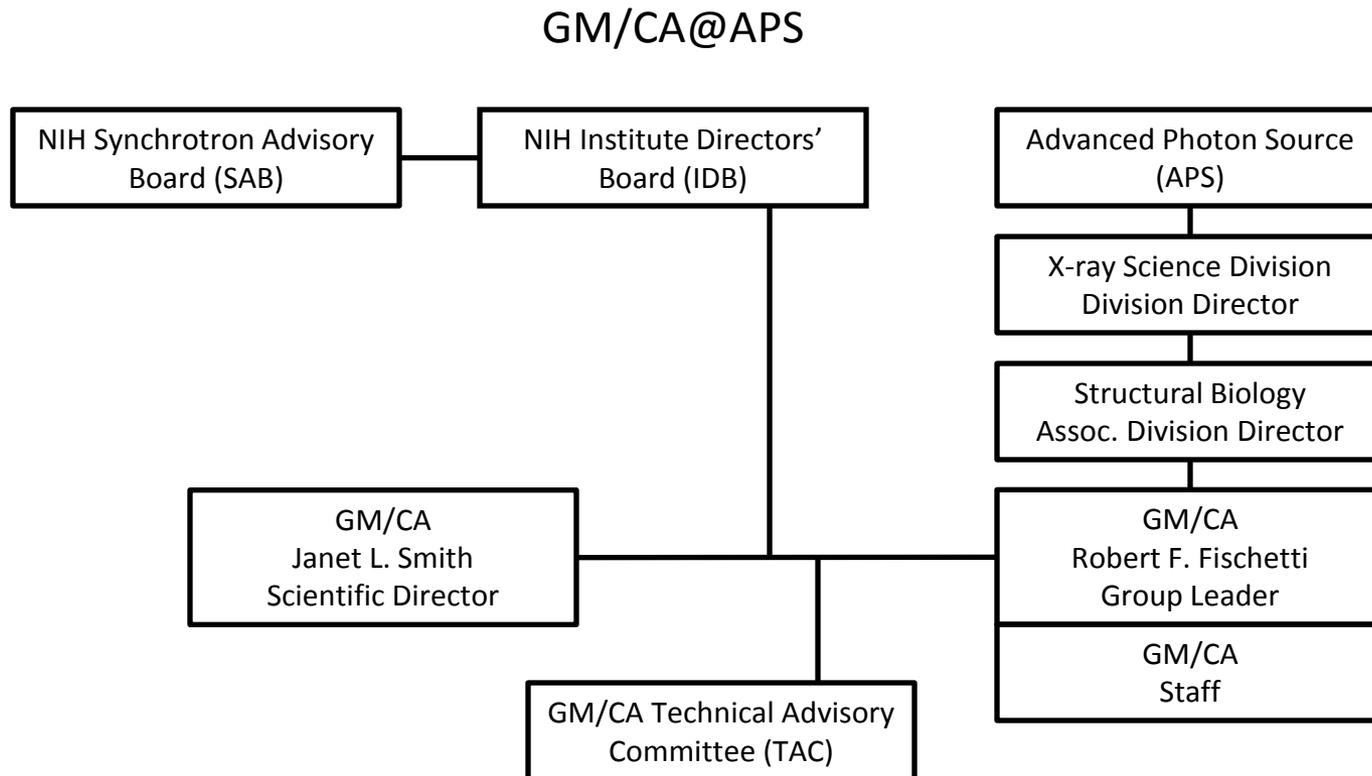
## **Oct-Dec 2011 Run:**

- 220 hrs MTBF (only 7 faults)
- mean downtime 0.82 hrs
- 606 hrs longest time between faults (9-NOV to 10-DEC)

**Current statistics, Run 2012-1: MTBF >500 hours (2 faults)**

# GM/CA staff to transfer from Argonne Biosciences Division to APS/XSD effective June 1

## GM/CA Structural Biology Facility at APS





## Administration

Janet Smith  
Director



Robert Fischetti  
Assoc. Director

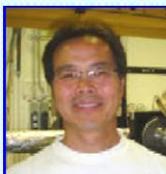


Sheila Trznadel  
Admin. Specialist



## Crystallographic Support

Craig Ogata  
Crystallographer



Nukri Sanishvili  
Crystallographer



Michael Becker  
Crystallographer



Naga Venugopalan  
Crystallographer



## Computing Support

Sergey Stepanov  
Control Systems,  
Group Leader



Oleg Makarov  
Control Systems  
Developer



Mark Hilgart  
Software Developer



Sudhir (Babu) Pothineni  
Software Developer



## Engineering & Technical Support

Shenglan Xu  
Engineer



Derek Yoder  
Instrumentation  
Specialist



Steve Corcoran  
Engineering Specialist



Dale Ferguson  
Engineering Specialist



# SAC Meeting - APS Beamline Reviews

- We also discussed with the SAC restarting Beamline Reviews.
  - When the Upgrade is complete, there will be no more empty sectors and so it is important to begin a beamline review or “tenure” process now.
  - Five year cycle unless otherwise recommended by SAC.
  - Both retrospective and prospective assessments should be included in the same review.
- We currently have 15 CATs and 32 XSD-operated beamlines. To get through them all in a 5-year cycle, each year we should be reviewing (on average):
  - 6-7 XSD-operated BLs
  - 3 CATs
- Start with APS-operated beamlines in October 2012.
  - Look at beamlines not included in APS-U baseline.
  - Provide an opportunity for those beamlines not in the APS-U baseline to share their visions with the SAC for feedback.



# Pacesetter: Alex Deriy (XSD) and Boris Deriy (ASD)



In recognition of providing the Advanced Photon Source with a safe, simple and elegant control driver crate solution resulting in a cost savings to the facility of \$167,500 to date.

# Pacesetter: Arista Thurman, Roger Sersted, Greg Knott, Mary Westbrook, Fred Carter (AES), and Mike Rios (CIS)



Arista Thurman, Roger Sersted, Greg Knott, Mary Westbrook, Fred Carter (AES)



Mike Rios (CIS)

To take advantage of substantial cost savings, the APS e-mail system was migrated to the Laboratory's Zimbra Collaboration Server managed by CIS. This task was completed on time and on budget.