SNS Logbook

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Application Programming

EPICS Collaboration Meeting

June 12-16, 2006

OAK RIDGE NATIONAL LABORATORY
U. S. DEPARTMENT OF ENERGY

Active Development Team

- Mario Giannella (Specifications)
- Jeff Patton (Database)
- Tom Pelaia (Web interface)

Introduction

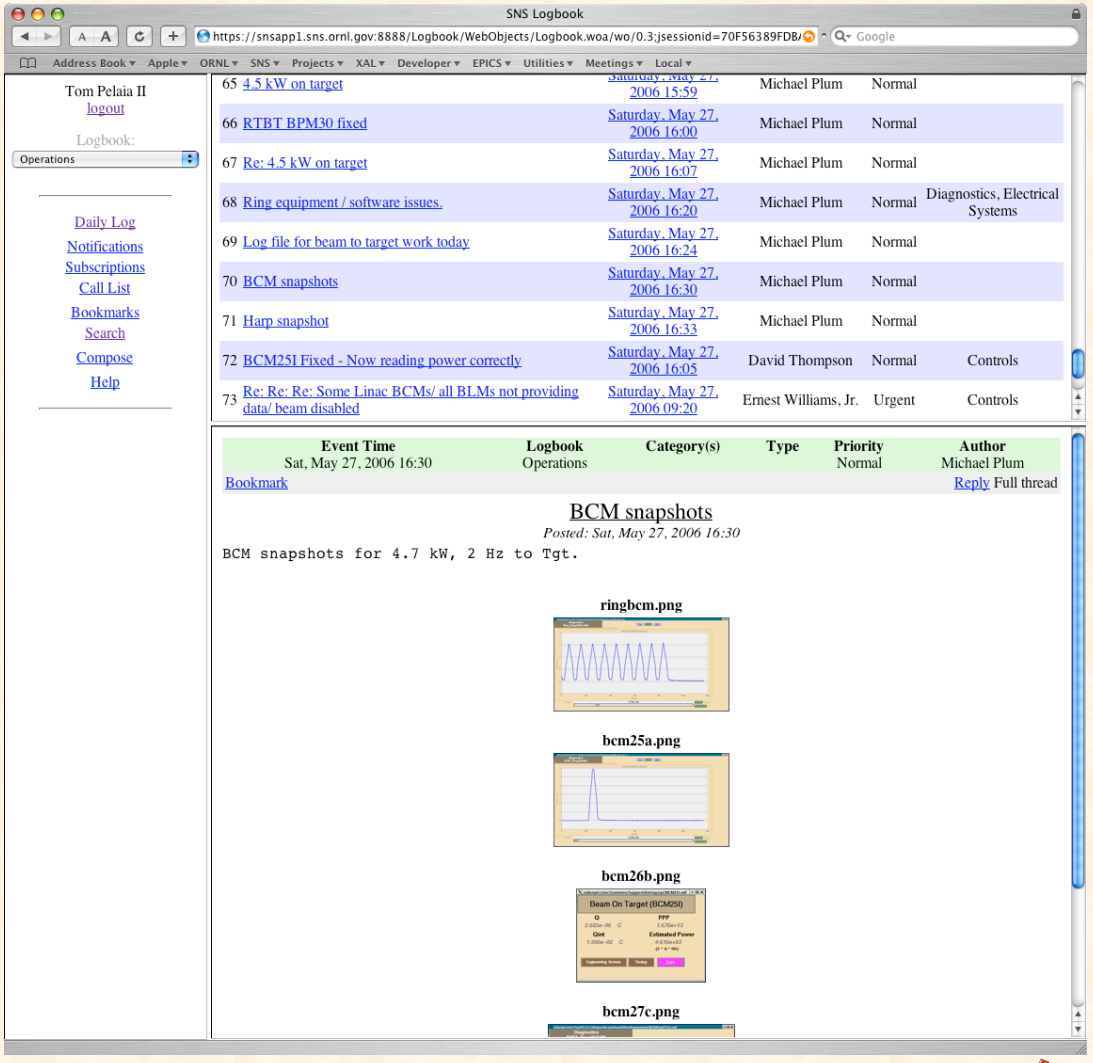
- Logbook provides a mechanism to communicate and log operations activity
- First version introduced in Fall of 2002
- Integrated with SNS Database from the beginning
- Supports open HTML, JavaScript and CSS standards for cross platform/browser compatibility
- Critical to operations
  - About a hundred entries per day
  - Reliable 24/7 availability
- For some, it is the easiest way to transfer data from the control system

Tools

- Java 1.4.2
- Oracle 9
- Apple WebObjects 5.3.1
- Jboss 3.2.7

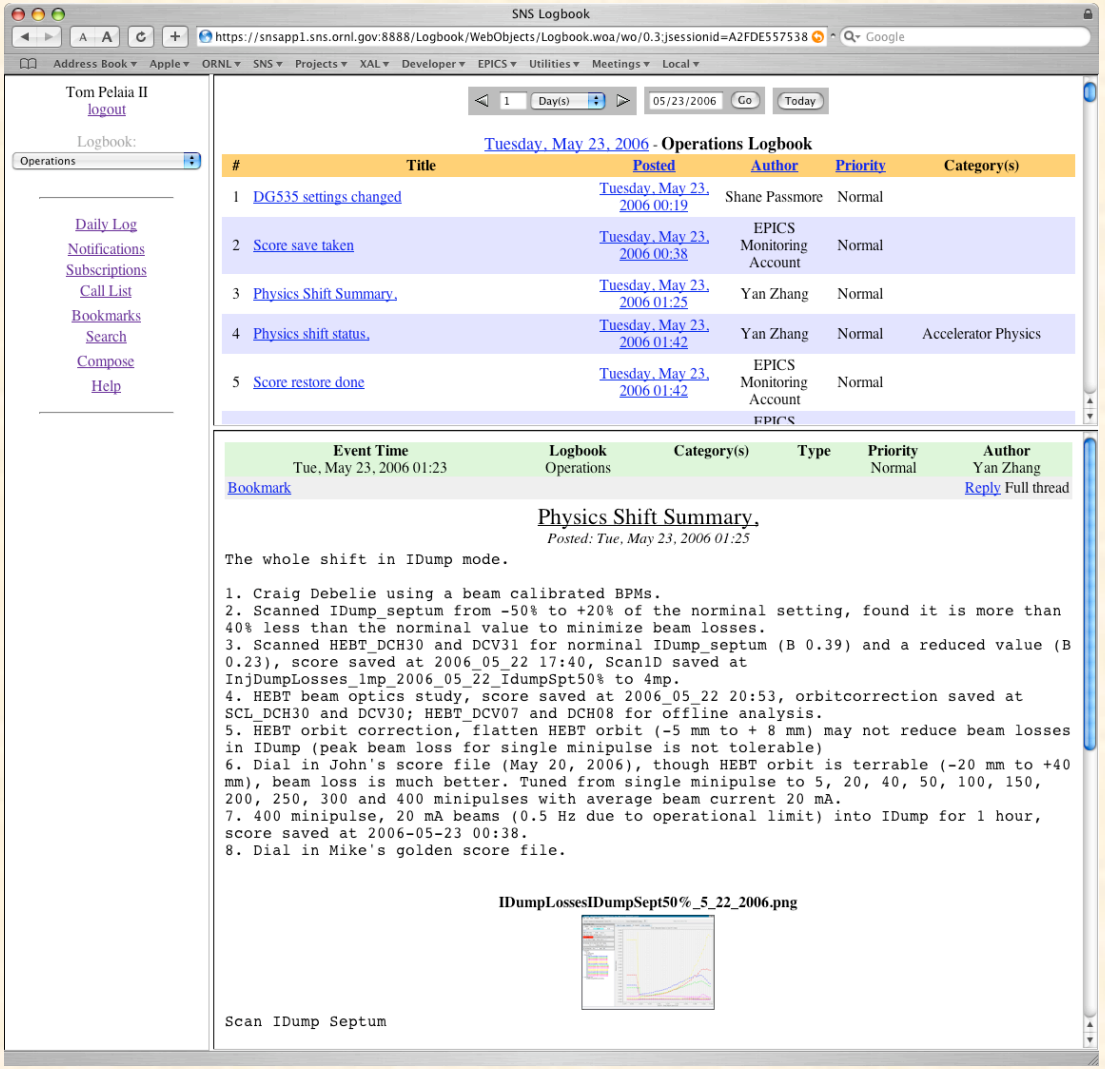
Layout

- Familiar three pane navigation
- Consistent, intuitive interface
- User can sort by columns (date, author or priority)



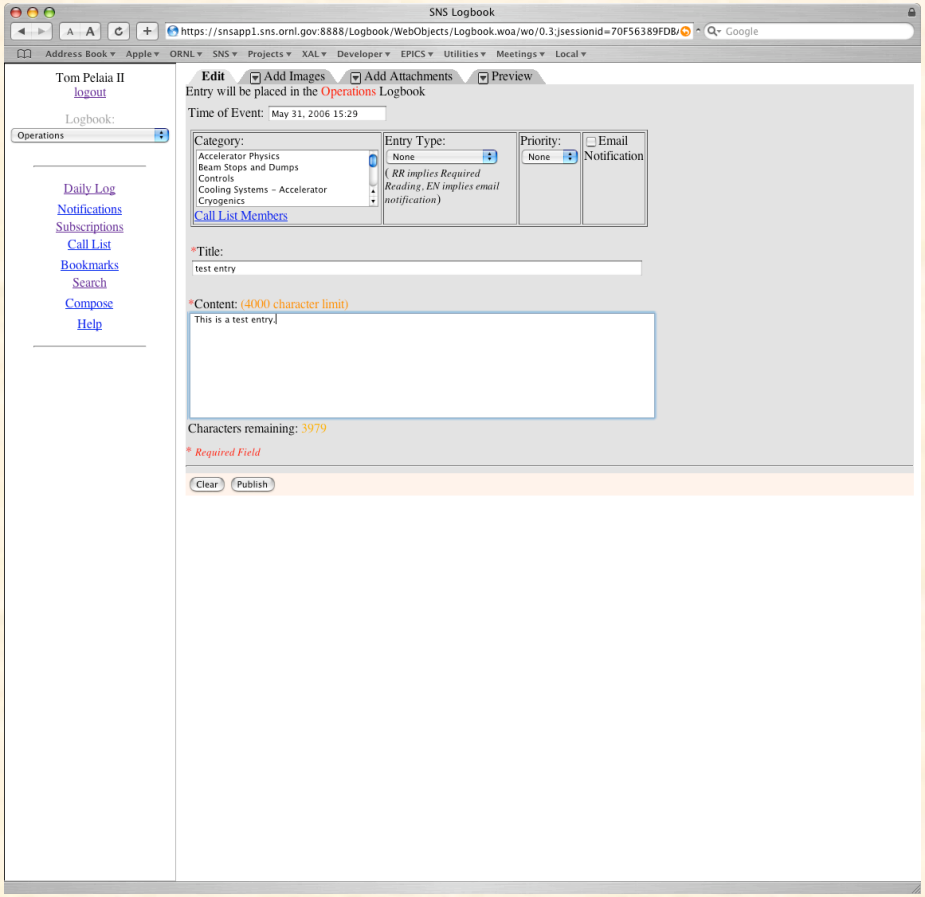
Daily Navigation

- Navigate forward and back by specified step
- Navigate directly to a specific day
- View all entries for a day or each entry individually



Composing Entries

- Authors enter the title and text content
- One or more category may be selected
- The entry type may indicate *Maintenance*, *Repair*, etc.
- Priority may be used to indicate urgency
- Users may specify email notification
- Event time may be specified

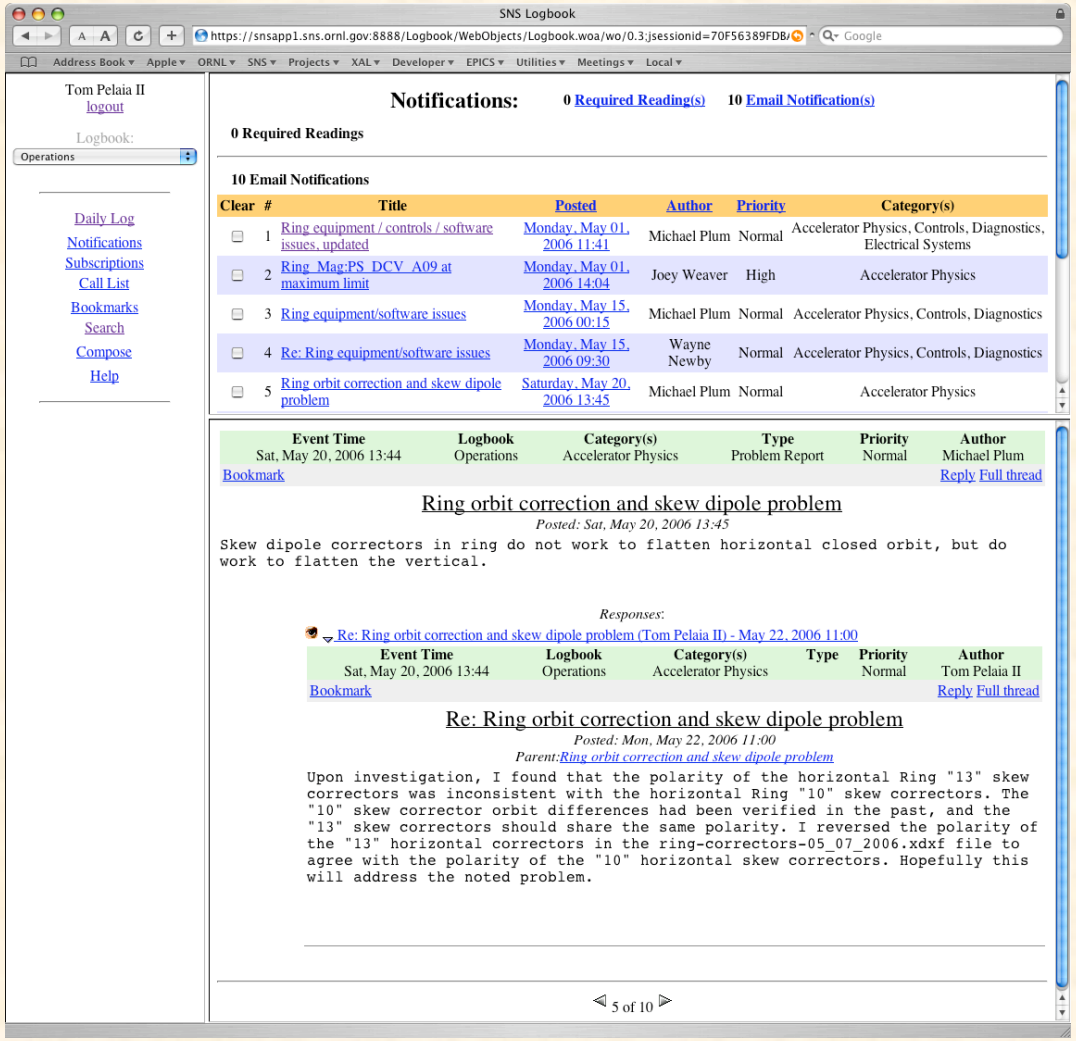


Adding Images and Attachments

- Users can now sort and delete images and attachments
- Image and attachment descriptions and titles can now be edited without first selecting the image

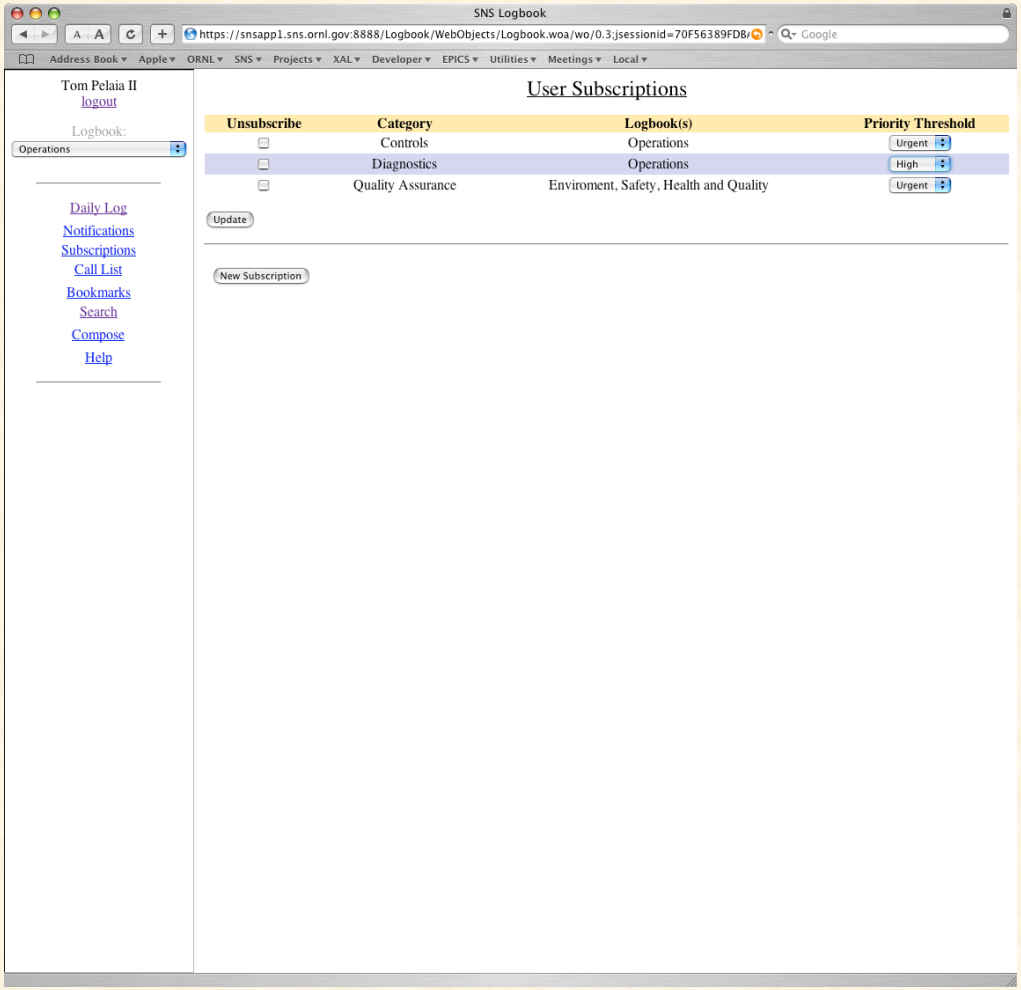
Notifications

- **Support for Email Notification, Daily Orders and Required Readings**
- **Recipients receive an email and see all active notifications upon login**
- **Managers get confirmation of users having read require readings**

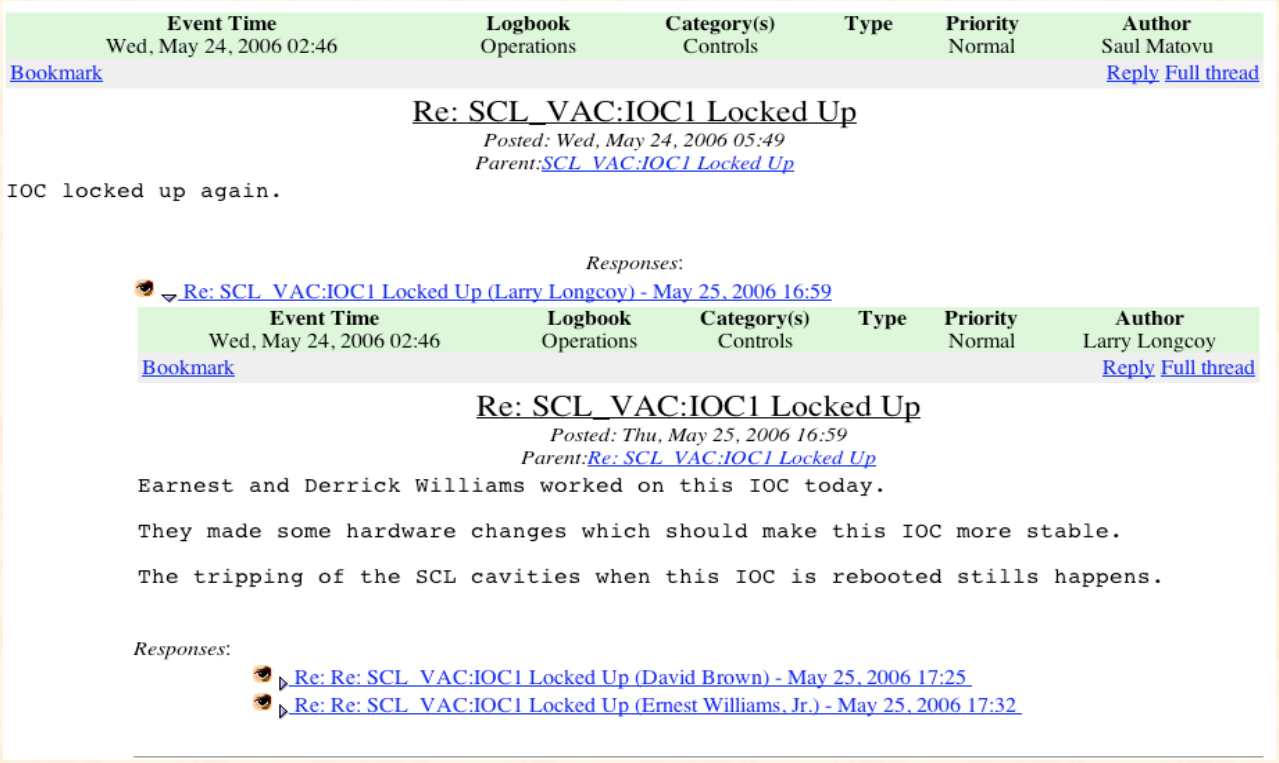


User Subscription

- While users receive notifications based on their job affiliation, users may subscribe to other group's notifications



Threads



Event Time	Logbook	Category(s)	Type	Priority	Author
Wed, May 24, 2006 02:46	Operations	Controls		Normal	Saul Matovu

Bookmark — Reply Full thread

Re: SCL_VAC:IOC1 Locked Up

Posted: Wed, May 24, 2006 05:49
Parent: SCL_VAC:IOC1 Locked Up

IOC locked up again.

Responses:

Re: SCL_VAC:IOC1 Locked Up (Larry Longcoy) - May 25, 2006 16:59

Event Time	Logbook	Category(s)	Type	Priority	Author
Wed, May 24, 2006 02:46	Operations	Controls		Normal	Larry Longcoy

Bookmark — Reply Full thread

Re: SCL_VAC:IOC1 Locked Up

Posted: Thu, May 25, 2006 16:59
Parent: Re: SCL_VAC:IOC1 Locked Up

Earnest and Derrick Williams worked on this IOC today.

They made some hardware changes which should make this IOC more stable.

The tripping of the SCL cavities when this IOC is rebooted stills happens.

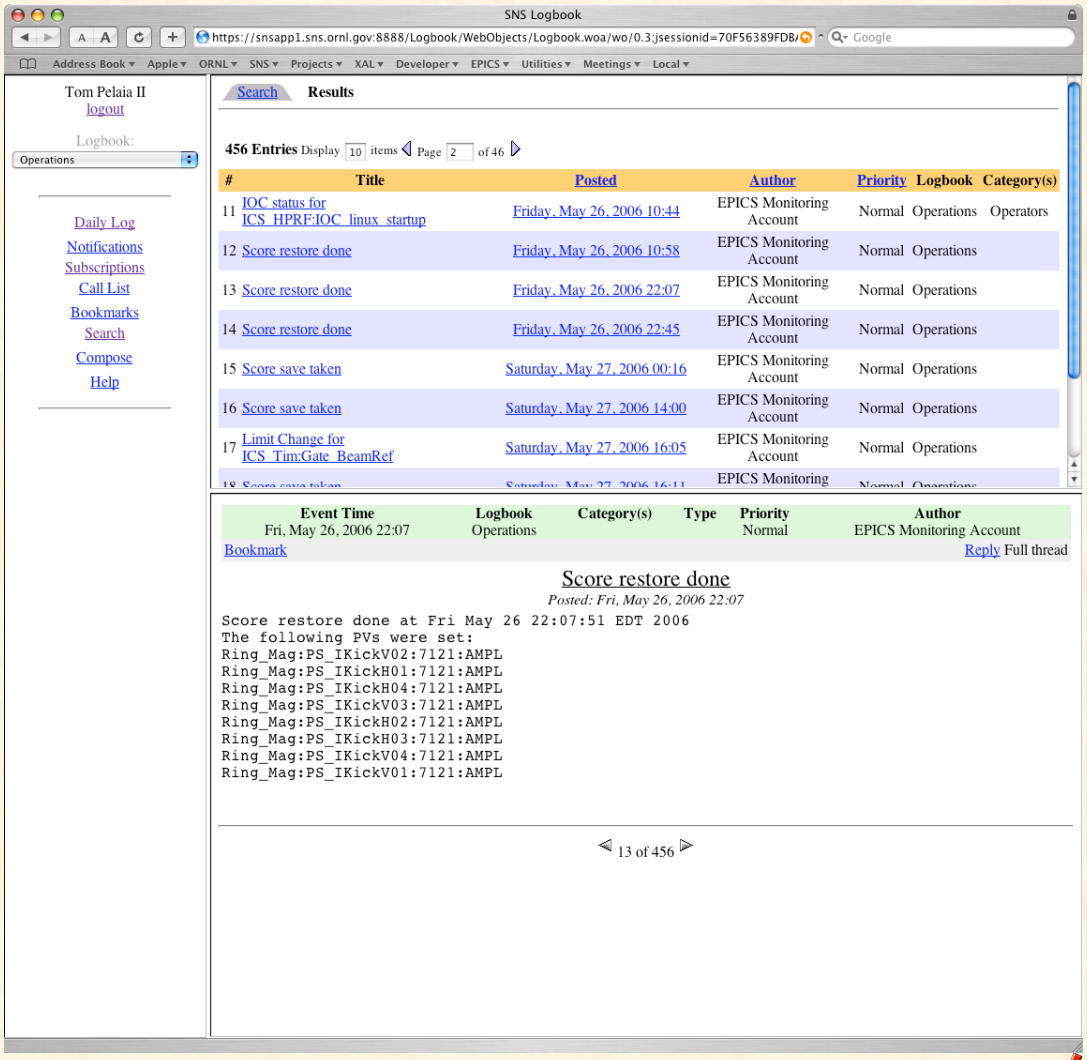
Responses:

Re: Re: SCL_VAC:IOC1 Locked Up (David Brown) - May 25, 2006 17:25
Re: Re: SCL_VAC:IOC1 Locked Up (Ernest Williams, Jr.) - May 25, 2006 17:32

- **Easier to view threads**
- **Users can navigate up and down threads**

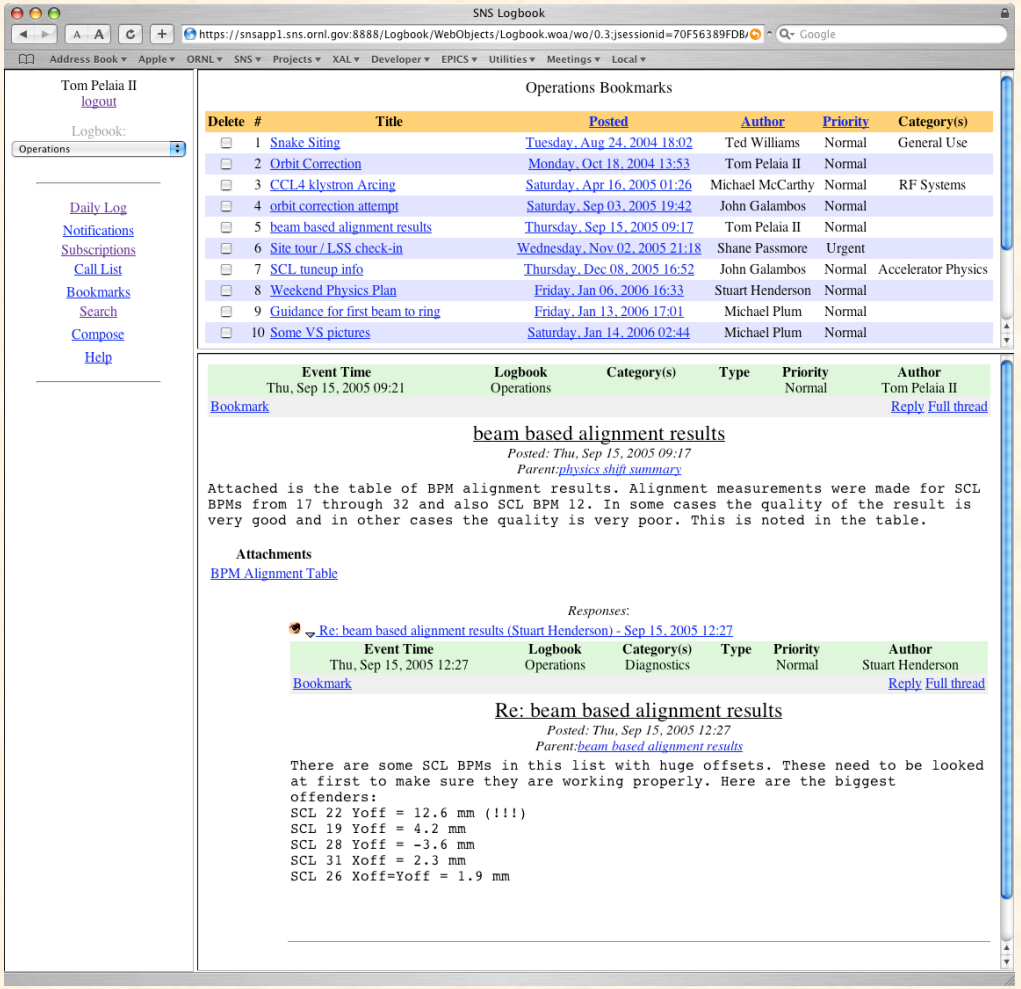
Searching

- Users can search by
  - Date range
  - Author
  - Title
  - Content
  - Entry Type
  - Logbook
  - Group
  - Required Reading Status



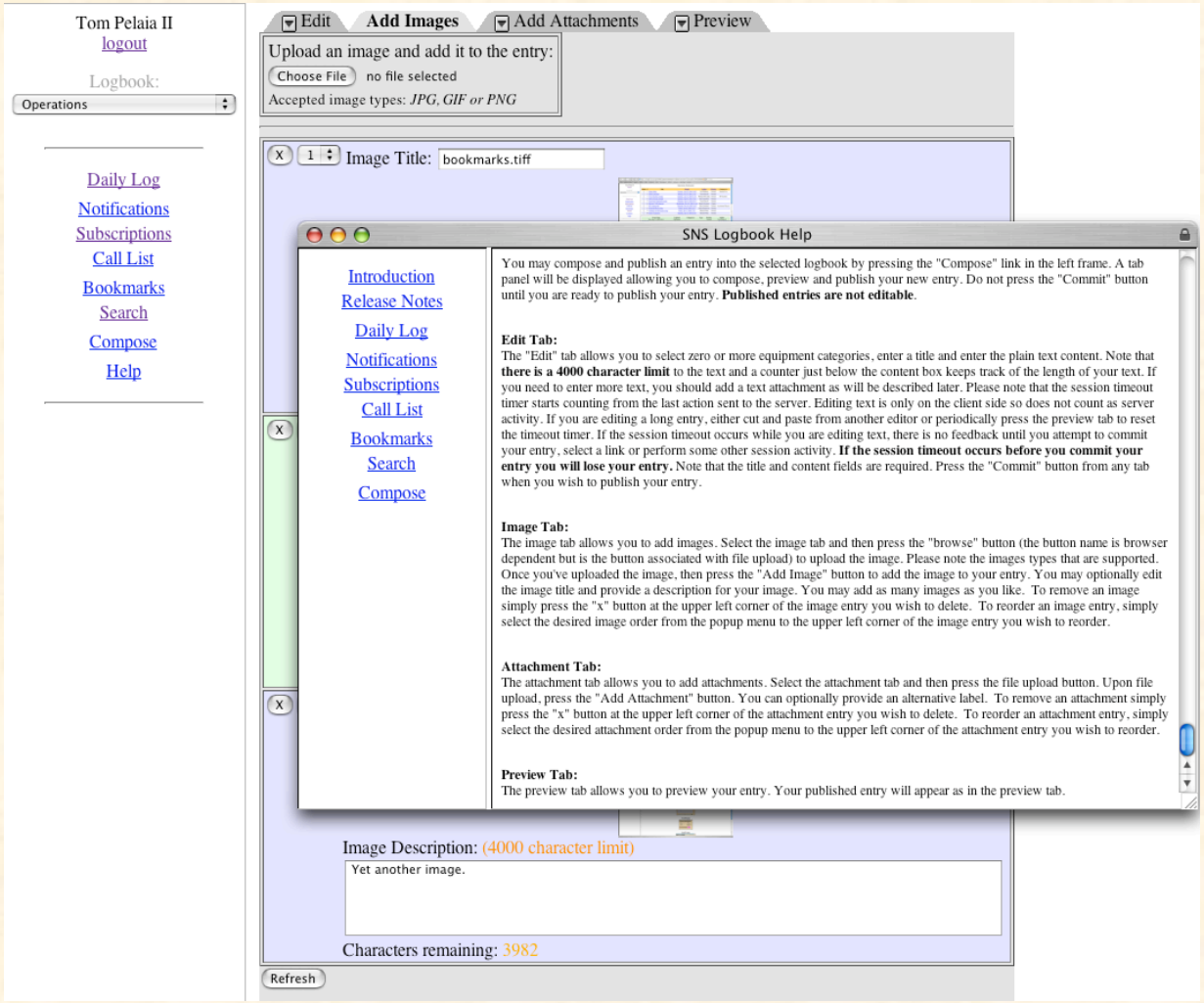
Bookmarks

- **Bookmarks are a convenient way to keep track of important entries**



Help

- Online Help
- Complete
- Mirrors Menu
- Release Notes



Further Development

- Introduce more CSS and JavaScript for a streamlined, efficient user interface
  - Replace three pane view with menu shade
  - Fix position of headers and footers
- Allow users to edit rich text within browser
- Allow users to save draft entries
- Introduce filters for quick, custom navigation
- Develop a custom form editor