Olog

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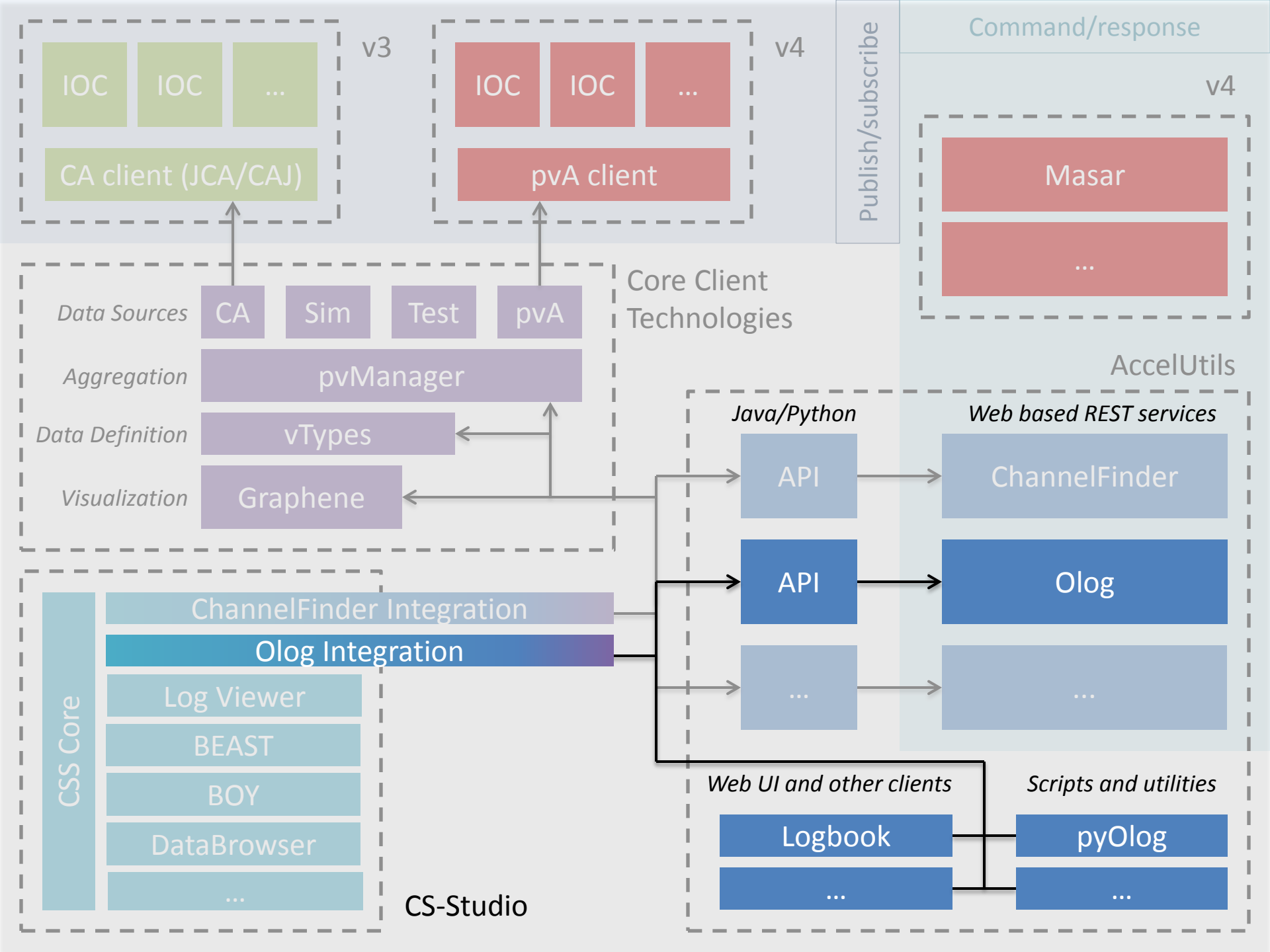
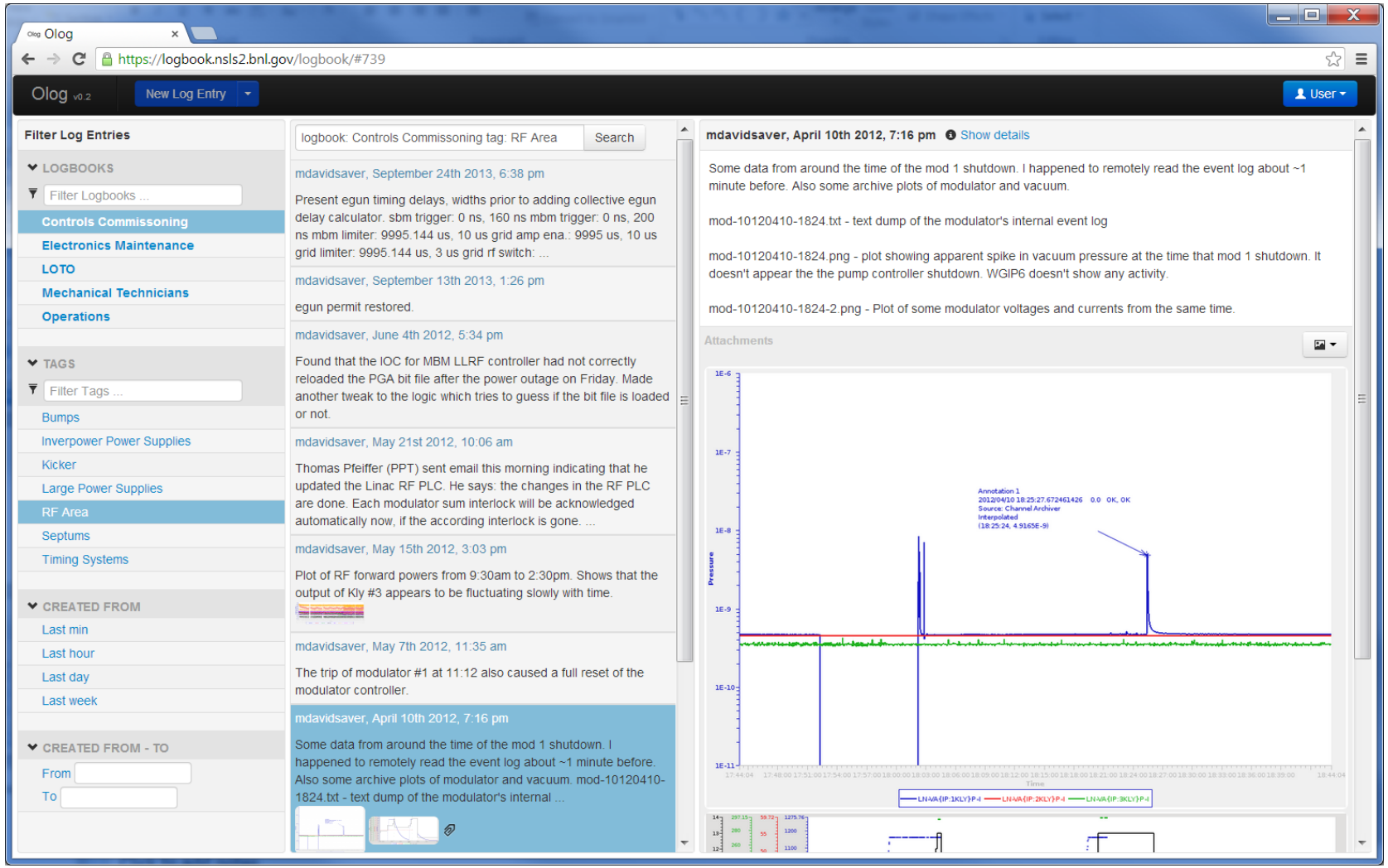

v3
IOC
IOC
...
CA client (JCA/CAJ)
v4
IOC
IOC
...
pvA client
Publish/subscribe
Command/response
v4
Masar
...
Core Client Technologies
Data Sources
CA
Sim
Test
pvA
Aggregation
pvManager
Data Definition
vTypes
Visualization
Graphene
AccelUtils
Java/Python
Web based REST services
API
ChannelFinder
API
Olog
...
...
ChannelFinder Integration
Olog Integration
CSS Core
Log Viewer
BEAST
BOY
DataBrowser
...
CS-Studio
Web UI and other clients
Scripts and utilities
Logbook
pyOlog
...
...

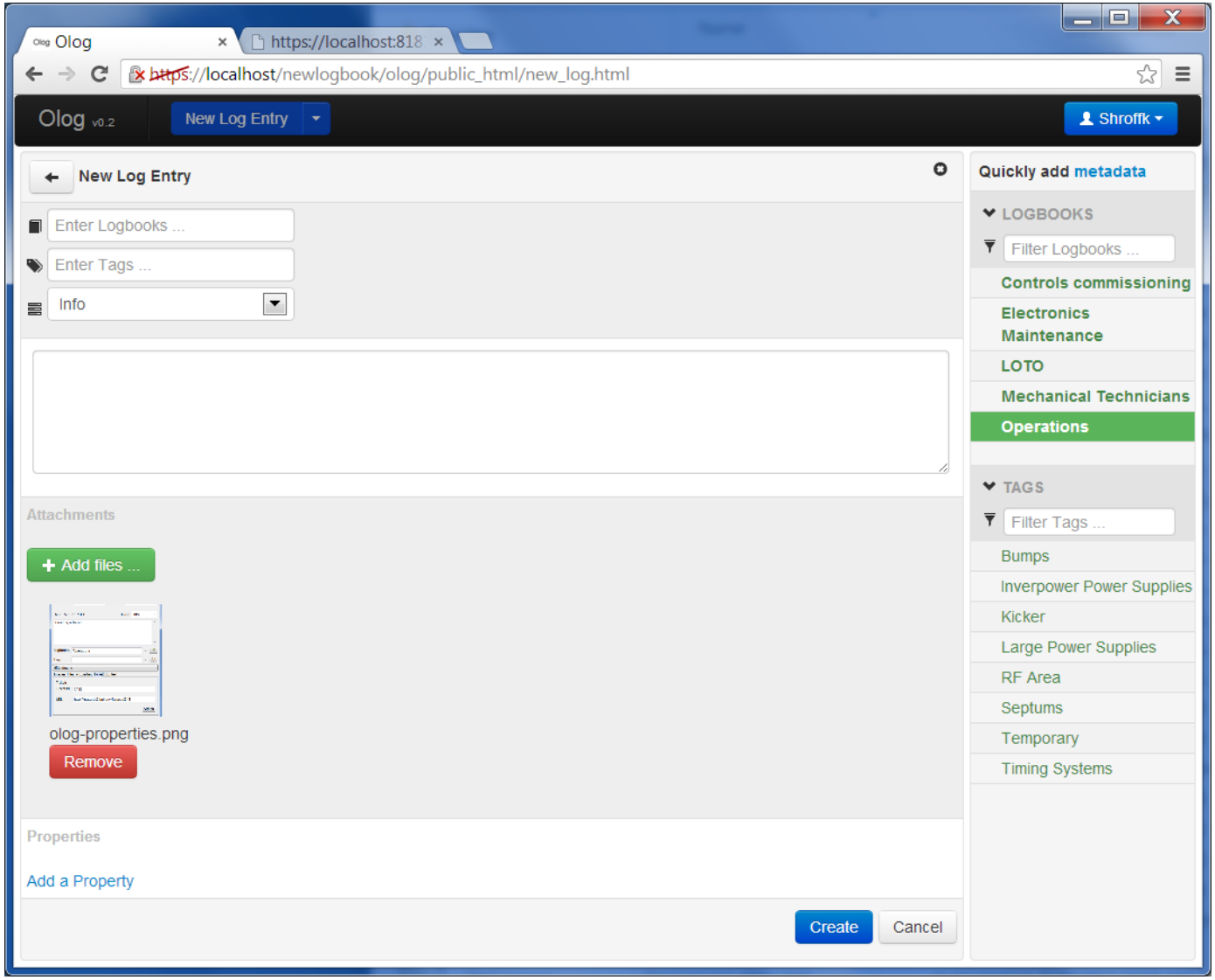
Log Entry

- Time
- Owner
- Text
- Attachments
- Logbooks
- Tags
- Properties

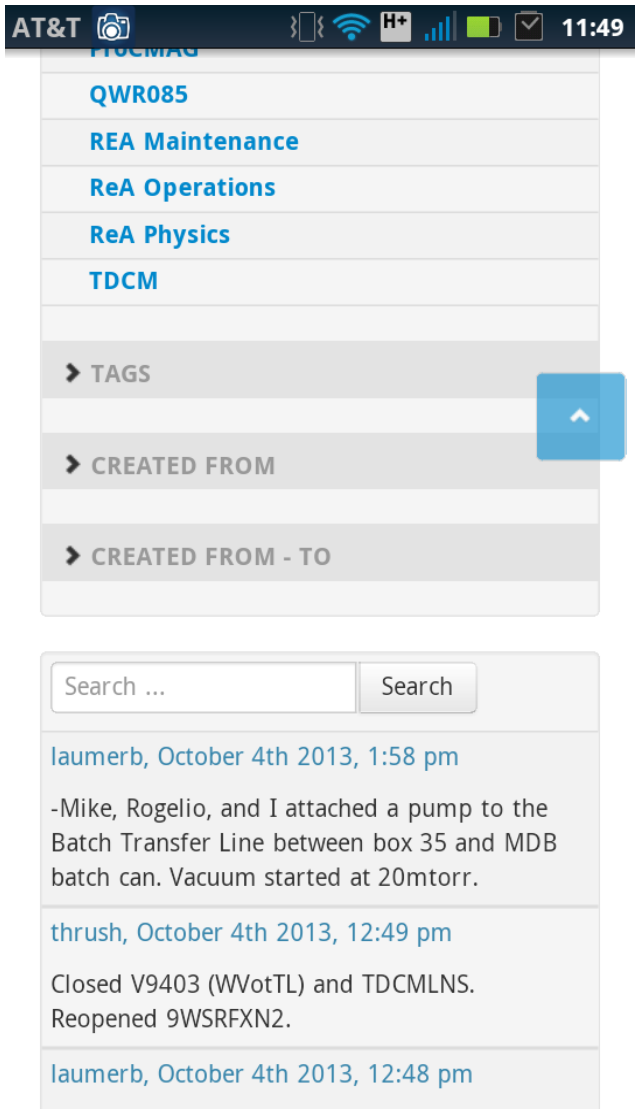
Webclient

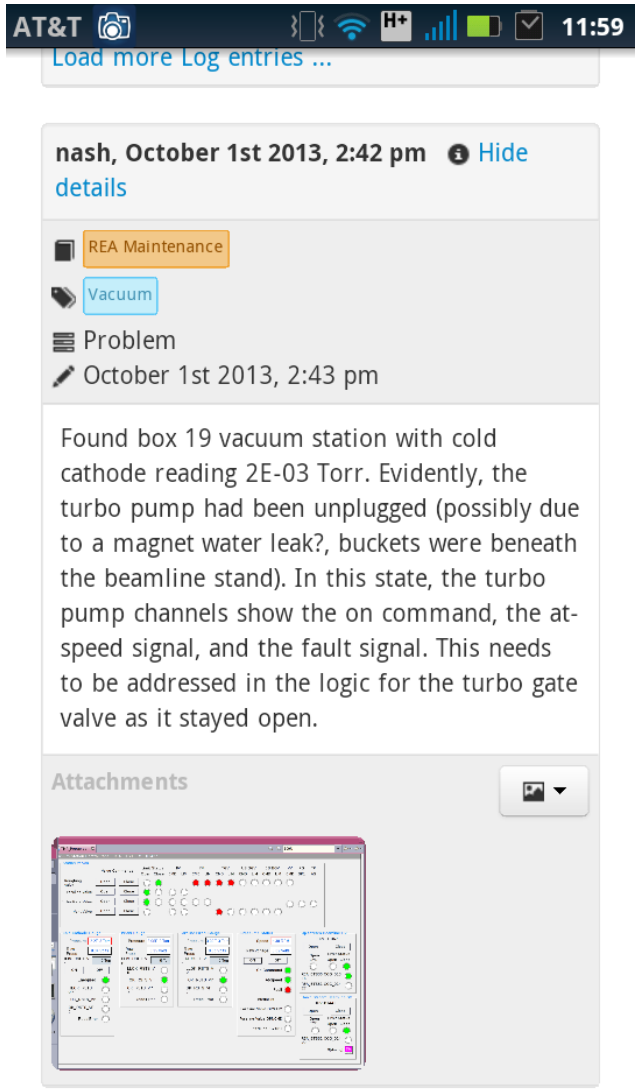

Olog
https://logbook.nsls2.bnl.gov/logbook/#739
Olog v0.2
New Log Entry
User
Filter Log Entries
LOGBOOKS
Filter Logbooks ...
Controls Commissoning
Electronics Maintenance
LOTO
Mechanical Technicians
Operations
TAGS
Filter Tags ...
Bumps
Inverpower Power Supplies
Kicker
Large Power Supplies
RF Area
Septums
Timing Systems
CREATED FROM
Last min
Last hour
Last day
Last week
CREATED FROM - TO
From
To
logbook: Controls Commissoning tag: RF Area
Search
mdavidsaver, September 24th 2013, 6:38 pm
Present egun timing delays, widths prior to adding collective egun delay calculator. sbm trigger: 0 ns, 160 ns mbm trigger: 0 ns, 200 ns mbm limiter: 9995.144 us, 10 us grid amp ena.: 9995 us, 10 us grid limiter: 9995.144 us, 3 us grid rf switch: ...
mdavidsaver, September 13th 2013, 1:26 pm
egun permit restored.
mdavidsaver, June 4th 2012, 5:34 pm
Found that the IOC for MBM LLRF controller had not correctly reloaded the PGA bit file after the power outage on Friday. Made another tweak to the logic which tries to guess if the bit file is loaded or not.
mdavidsaver, May 21st 2012, 10:06 am
Thomas Pfeiffer (PPT) sent email this morning indicating that he updated the Linac RF PLC. He says: the changes in the RF PLC are done. Each modulator sum interlock will be acknowledged automatically now, if the according interlock is gone. ...
mdavidsaver, May 15th 2012, 3:03 pm
Plot of RF forward powers from 9:30am to 2:30pm. Shows that the output of Kly #3 appears to be fluctuating slowly with time.
mdavidsaver, May 7th 2012, 11:35 am
The trip of modulator #1 at 11:12 also caused a full reset of the modulator controller.
mdavidsaver, April 10th 2012, 7:16 pm
Some data from around the time of the mod 1 shutdown. I happened to remotely read the event log about ~1 minute before. Also some archive plots of modulator and vacuum. mod-10120410-1824.txt - text dump of the modulator's internal ...
mdavidsaver, April 10th 2012, 7:16 pm
Show details
Some data from around the time of the mod 1 shutdown. I happened to remotely read the event log about ~1 minute before. Also some archive plots of modulator and vacuum.
mod-10120410-1824.txt - text dump of the modulator's internal event log
mod-10120410-1824.png - plot showing apparent spike in vacuum pressure at the time that mod 1 shutdown. It doesn't appear the the pump controller shutdown. WGIP6 doesn't show any activity.
mod-10120410-1824-2.png - Plot of some modulator voltages and currents from the same time.
Attachments
Annotation 1
2012/04/10 18:25:27.672461426 0.0 OK, OK
Source: Channel Archiver
Interpolated
(18:25:24, 4.91651E-9)
Pressure
Time

Webclient

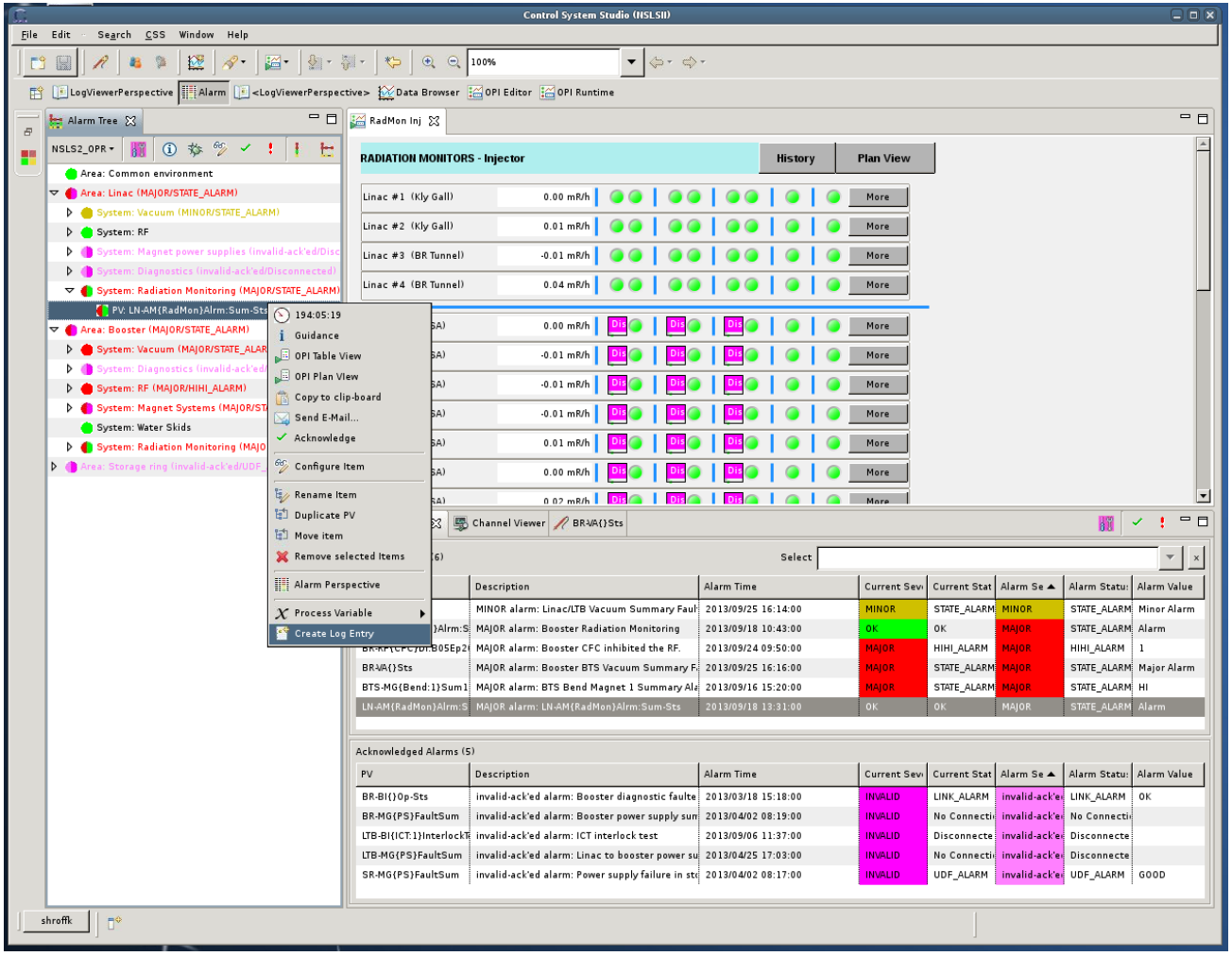

Olog
https://localhost:818
https://localhost/newlogbook/olog/public_html/new_log.html
Olog v0.2
New Log Entry
Shroffk
New Log Entry
Enter Logbooks ...
Enter Tags ...
Info
Attachments
Add files ...
 olog-properties.png
Remove
Properties
Add a Property
Create
Cancel
Quickly add metadata
LOGBOOKS
Filter Logbooks ...
Controls commissioning
Electronics Maintenance
LOTO
Mechanical Technicians
Operations
TAGS
Filter Tags ...
Bumps
Inverpower Power Supplies
Kicker
Large Power Supplies
RF Area
Septums
Temporary
Timing Systems

Webclient


AT&T
11:49
QWR085
REA Maintenance
ReA Operations
ReA Physics
TDCM
TAGS
CREATED FROM
CREATED FROM - TO
Search ...
Search
laumerb, October 4th 2013, 1:58 pm
-Mike, Rogelio, and I attached a pump to the Batch Transfer Line between box 35 and MDB batch can. Vacuum started at 20mtorr.
thrush, October 4th 2013, 12:49 pm
Closed V9403 (WVotTL) and TDCMLNS. Reopened 9WSRFXN2.
laumerb, October 4th 2013, 12:48 pm

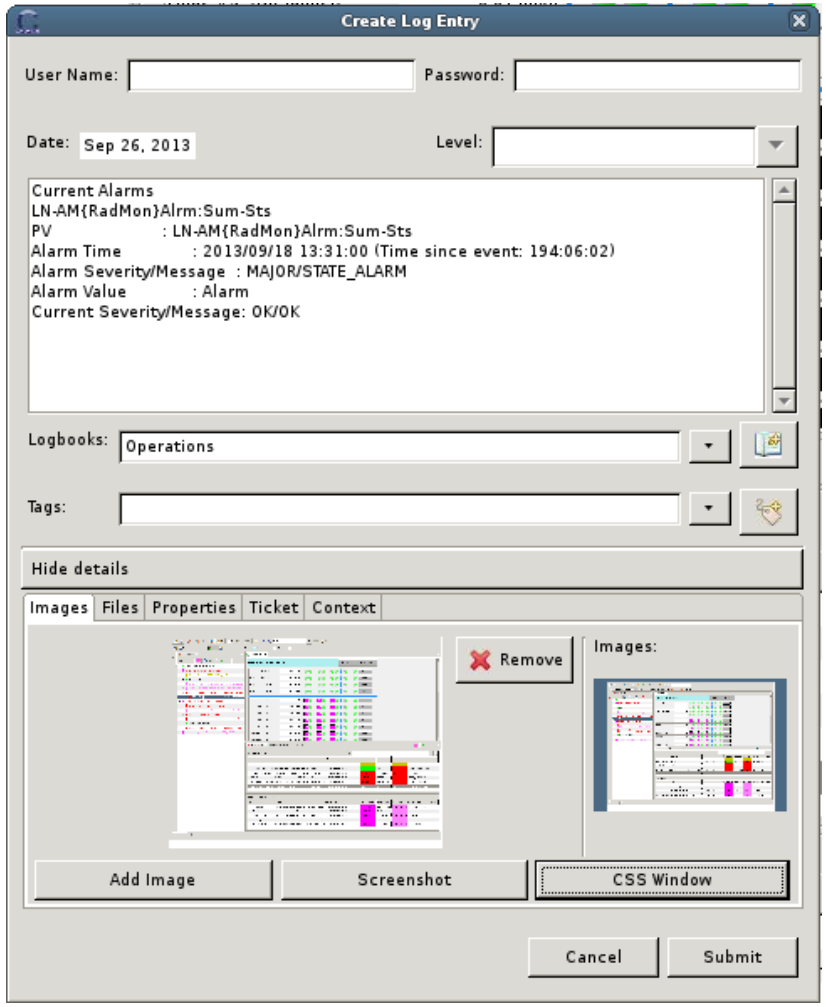

AT&T
11:59
Load more Log entries ...
nash, October 1st 2013, 2:42 pm
Hide details
REA Maintenance
Vacuum
Problem
October 1st 2013, 2:43 pm
Found box 19 vacuum station with cold cathode reading 2E-03 Torr. Evidently, the turbo pump had been unplugged (possibly due to a magnet water leak?, buckets were beneath the beamline stand). In this state, the turbo pump channels show the on command, the at-speed signal, and the fault signal. This needs to be addressed in the logic for the turbo gate valve as it stayed open.
Attachments

Olog Clients – CS-Studio



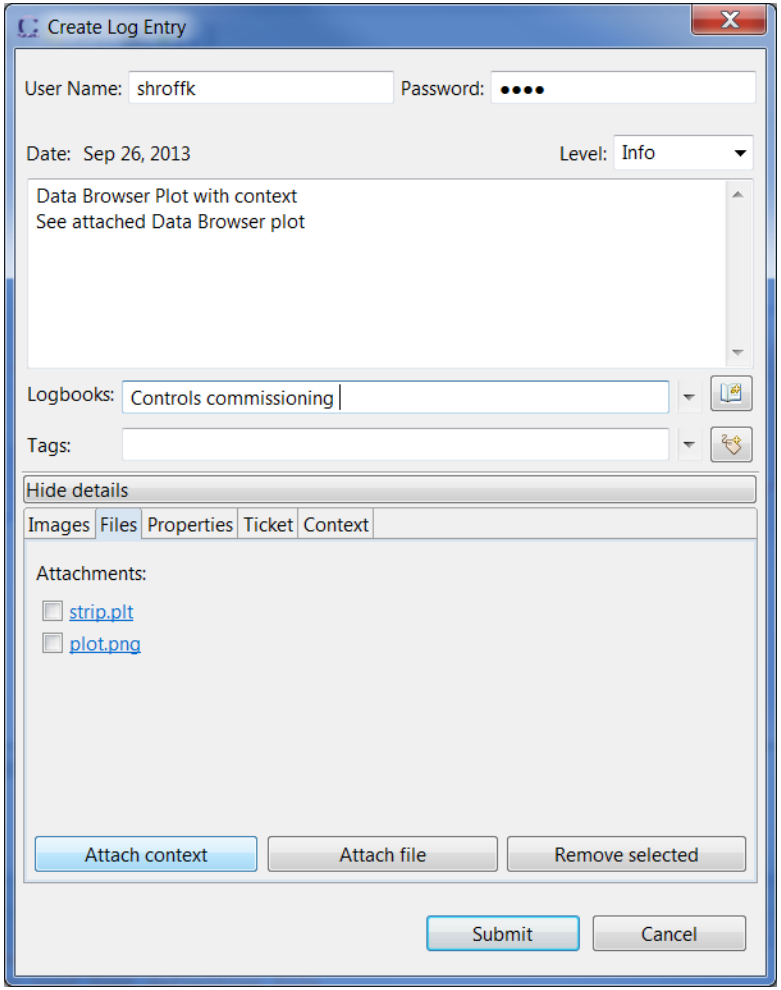
Olog Clients – CS-Studio

- Log Entries initialized with application specific information
- Alarm server
  - PV name
  - Alarm status
  - Alarm time

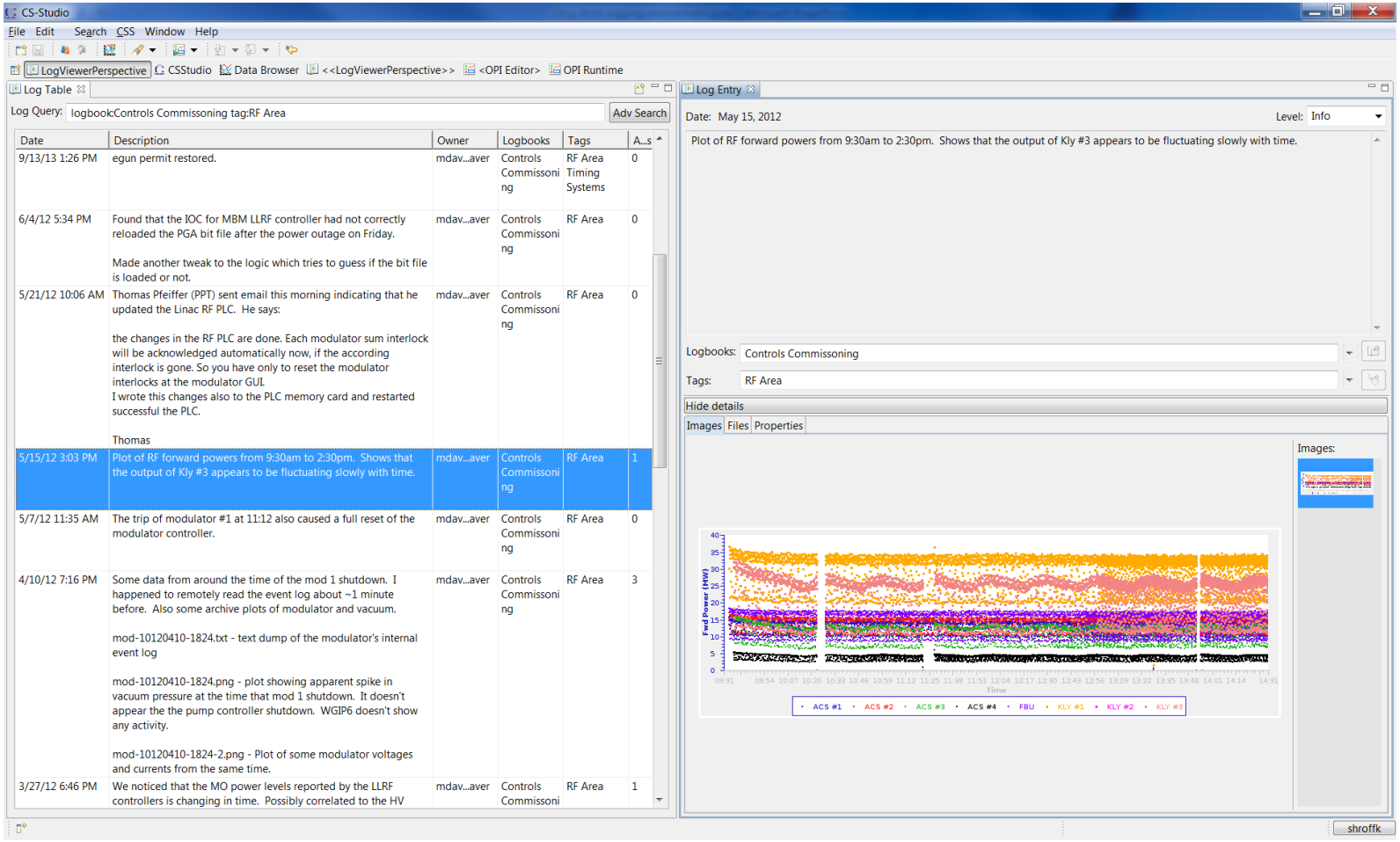


Olog Clients – CS-Studio

- Save Context
  - Configuration files for cs-studio applications (.plt)
  - Controls system data (List of process variables)
  - Information related to other services (Trac tickets , ChannelFinder queries)

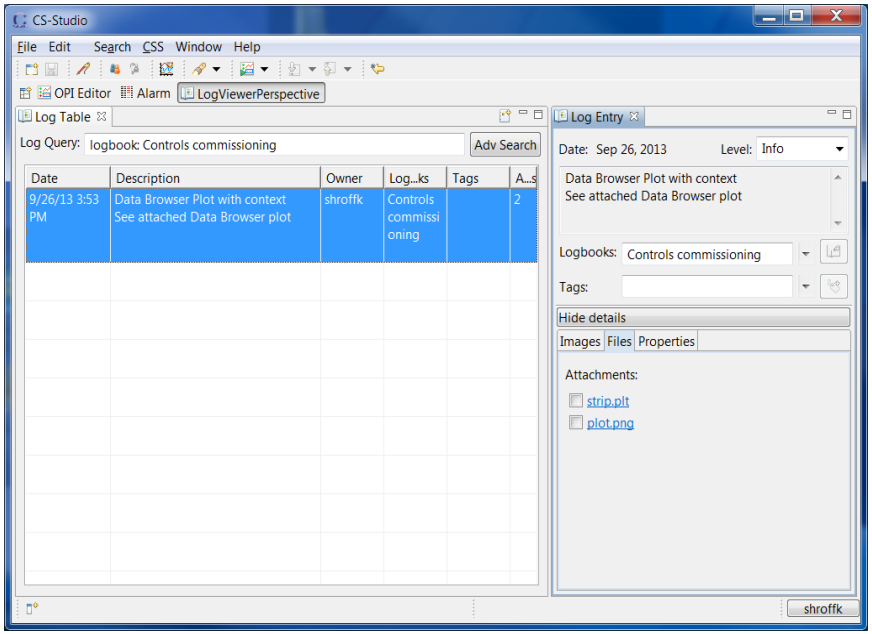


Olog Clients – CS-Studio



Olog Clients – CS-Studio

- Restore Context
  - Launch applications initialized to the state as described while making the log entry
  - Open archived data for associated pv's
  - Run OPI screens
  - Query other services



Olog Properties

- Integration with other services
  - Ticketing service

  property

  name: ticket

  attributes

  Id : 1234

  URL : https://trac.cs.nsls2.bnl.gov/tickets/1234
  - Component directory (FRIB)

Olog properties

- Integration with experimental processes and data

  name: *scanProcess*

  attributes

    type: *XPD*

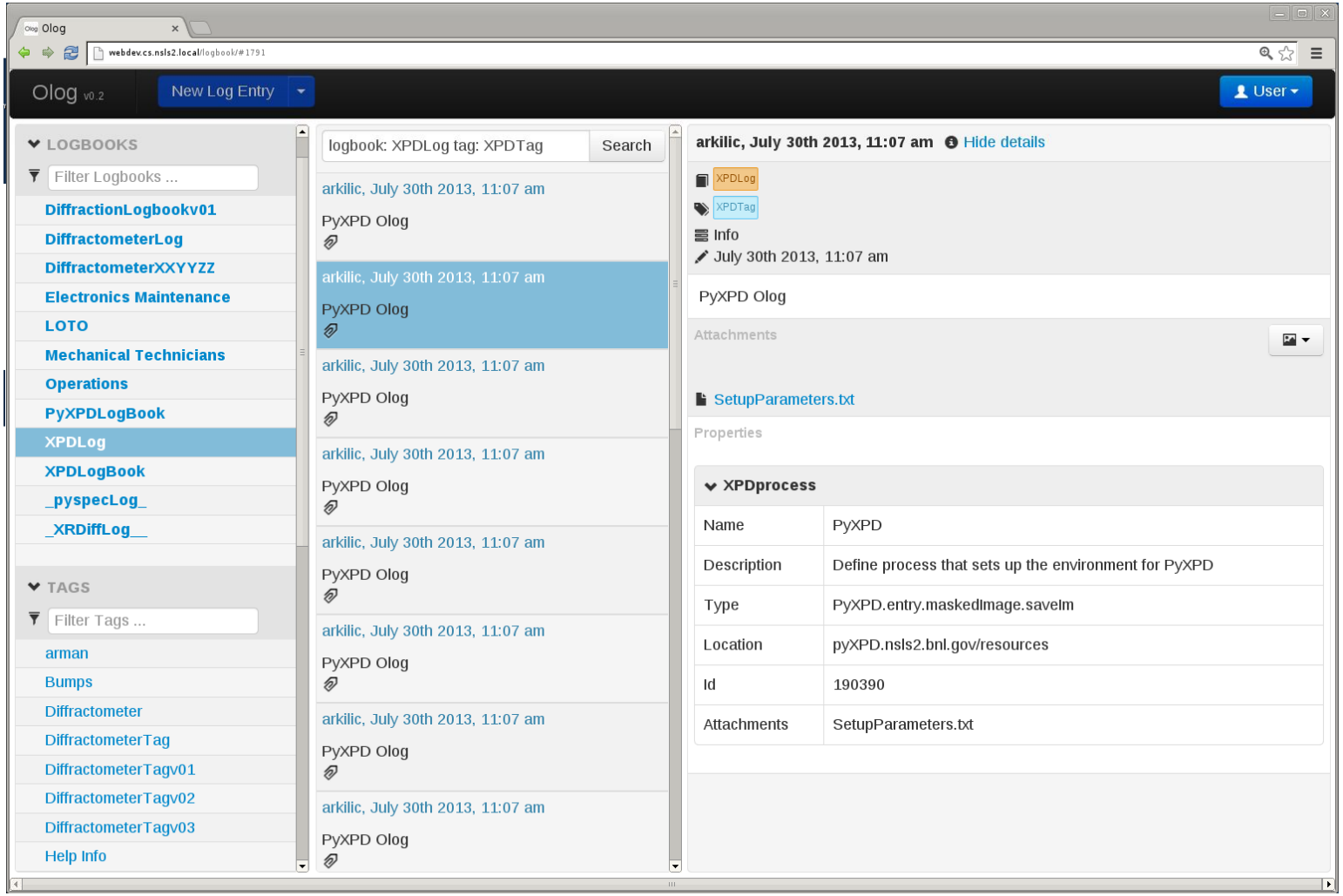
    id: *1234*

    description: *save reduced dataset*

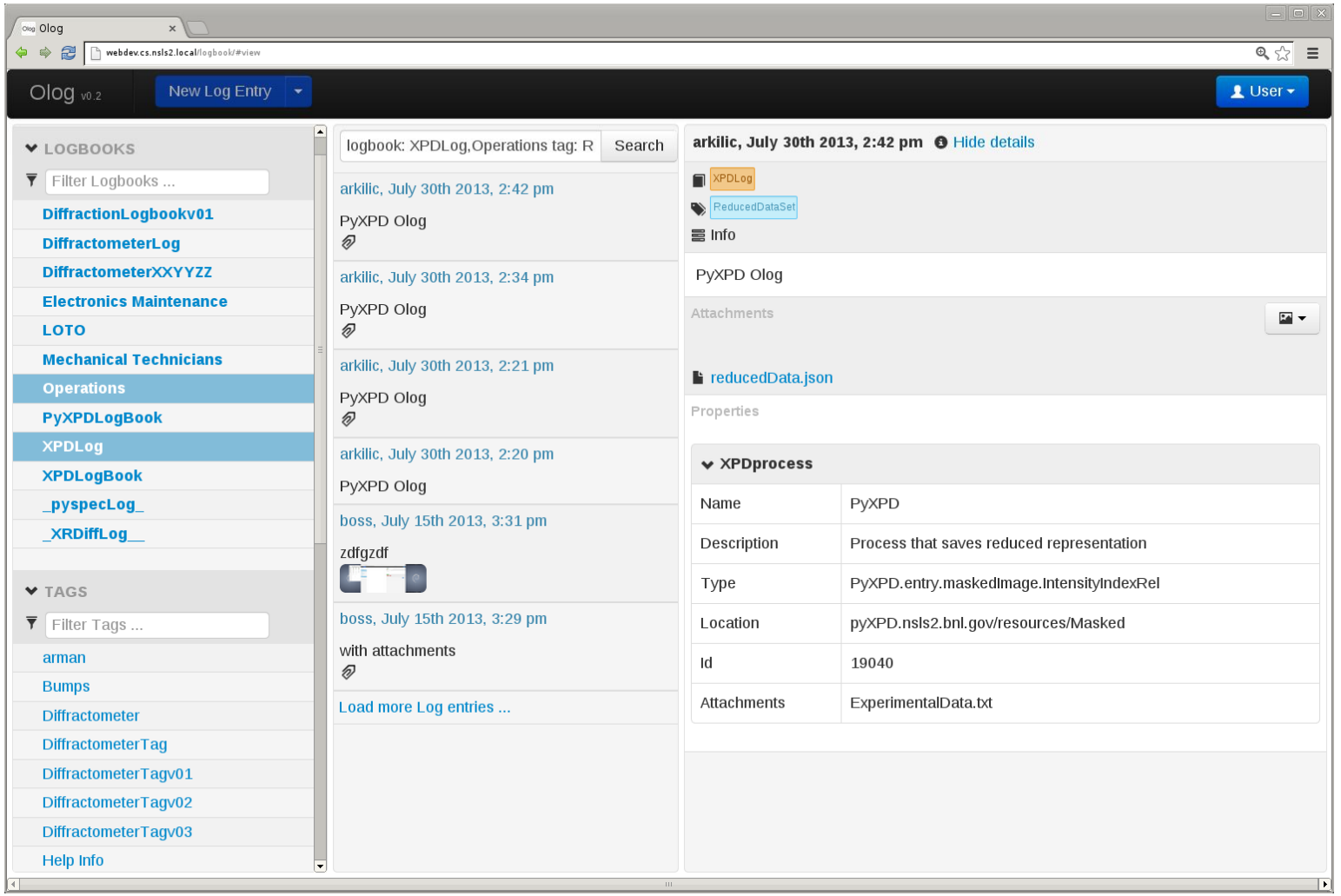
    location: *pyPXD.nsls2.bnl.gov/resources*

    attachments: *reducedData.json*

Olog Clients – pyOlog



Olog Clients – pyOlog



Questions