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### Plan for the next few weeks

### Topics to cover:

- General overview
- 2. Workflow manager and DASMON listener Installation & maintenance [this presentation]
- 3. Web monitor Installation and maintenance
- Autoreduction service Installation and maintenance
- 5. Autoreduction setup through webmon how-to and future vision
- 6. The IHC call when things go wrong & recovery strategies
- 7. Vision for the future what I would do differently

### The IHC is calling... now what?

#### These are the top reasons to get called:

There are reduction errors

This is rarely your problem. Go to the monitor and look at the latest runs across all instruments. If most instruments are reducing data just fine, tell the IHC to call the CIS.

2. Recent runs are not appearing on the monitor

If there's a network issue, the AMQ clients might be stuck.

Restart the workflowmgr, dasmon\_listener, AR services.

If that doesn't work, restart AMQ and restart those services again.

You may need to recover unprocessed runs.

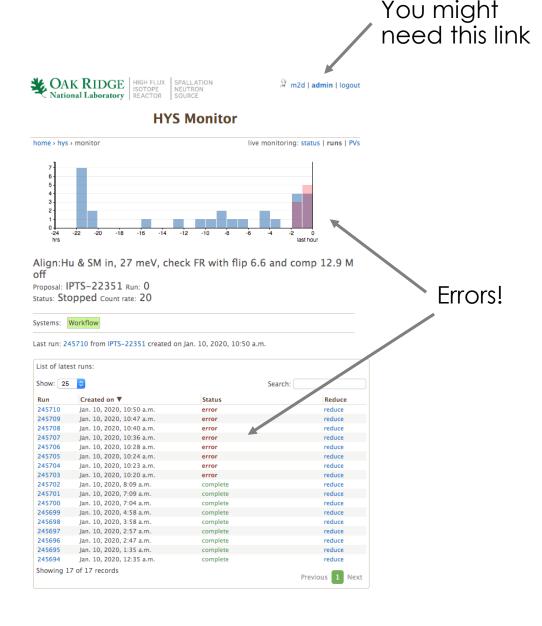
3. The instrument status is not updating on the monitor That's usually a DASMON issue. Ask the IHC to call DAS.

User can't see his data

Ask them to log in...

5. 500

Someone touched something without letting you know...





## The dangerous admin page

- We use this to resubmit a range of runs for which the DAS message got lost.
- The DAS has recently been updated to resubmit when the original request failed. This will help.
- Pick the instrument, and start typing the experiment number. The combo box uses ONCat for autocompletion.
- The "create as needed" checkbox is dangerous, because it WILL create new run entries.
- When clicking submit, a sanity check is run to verify that the runs you asked for don't already exist as part of another IPTS.
- The "find" button simply runs through the run entries and lists out missing runs. It doesn't write anything.



🗸 m2d | admin | logout

#### **Post-Processing Administration**

home > processing

This page allows you to submit post-processing jobs. Select your instrument, experiment, runs, and task in the form below.

- Experiment: Enter the full name as found on our file system (IPTS-XXXX). For convenience, available experiments for the selected instrument will be listed as you start typing the experiment number.
- Run List: Runs must be comma-separated, and a dash can be used to specify ranges. For
  example, entering 4,6-8 is the same as entering 4,6,7,8.
- New Runs: Select Create as needed if some of the runs are not already in the system. This
  option is turned off by default to prevent the accidental creation of bad runs.

strument:	arcs 🕶
xperiment:	
un list:	
reate as eeded:	
ask:	POSTPROCESS.DATA_READY >
	submit find



# The most annoying errors

#1. PV entries come in at a high rate. These are only used for instrument monitoring and are deleted after 2 hours.

The postgres IDs will eventually run out!

ALTER SEQUENCE pymon py id seq RESTART WITH 1;

#2. The way the services are set up tends to leave old processes behind after a restart. Always check otherwise restarting might not fix the problem.

