

# How to set up data sharing (for staff)

- Log into a beamline computer (oswin, grimlok, etc) and run the following commands

```
• source /home/dm/etc/dm.setup.csh
• dm-27id-daq --data-  
  directory=/home/beams/RIXS/Data/2019-1/Slot1-  
  commissioning --experiment=2019Feb12  
  --duration=168h --esaf-id=202207 --process-  
  existing
```

Directory where spec  
is writing

Experiment name on  
Globus. Strongly  
recommend naming  
by starting date to  
ensure unique name.

Continues updating  
for 1 week (168  
hours)

Experiment ID from ESAF  
form. This gives reading  
permission to users listed  
on the ESAF

## APS ESAF - Experiment Hazard Control Plan Report

Printed date: 02/13/2019

<b>PEN:</b> 27-IDB-2019-164488	<b>Experiment ID:</b> 202207 (GUP)
<b>ID Start Date:</b> 02/12/2019 08:00 AM	<b>ID End Date:</b> 02/18/2019 08:00 AM
<b>Spokesperson:</b> Bertinshaw	<b>GUP ID:</b> 59179
<b>Title:</b> Magnetic excitations in hole doped Sr2Ir[1-x]Rh[x]O4: Links to cuprate superconductors	

# Potential problem

- If more than one data sync is running at a time it can cause one or more to crash. It's easiest to manage this with the gui, which is (mostly) self explanatory.
- To access the gui type two lines  
`source /home/dm/etc/dm.setup.csh`  
`dm-station-gui &`
- Next, Click on the “DAQs” tab (second from left). If any undesired DAQs are running select them and click the “Stop Selected” button on the bottom right.

DM Station: 27ID@oswin.xray.aps.anl.gov

Experiments DAQs Uploads Workflows Processing Jobs

### 27ID DAQs List

Refresh

	Name	Status	Start Date	Files	Processed	Waiting	Errors	Impl
6	2020July7d	done	2020/07/11	0	0	0	0	1...
7	2020July7d	failed	2020/07/11	113	113	3	0	9...
8	2020July7c	failed	2020/07/11	18538	18526	4	8	9...
9	2020July15	failed	2020/07/15	40111	40109	0	2	1...
10	2020July15	done	2020/07/23	23404	23404	0	0	1...
11	2020Jul28	done	2020/07/29	0	0	0	0	1...
12	2020Jul28	done	2020/07/29	0	0	0	0	1...
13	2020Jul28	done	2020/07/29	0	0	0	0	1...
14	2020Jul28	running	2020/07/29	0	0	0	0	1...

Start New Show Details Clear Selected Stop Selected

# To give additional people access to the data (1/2)

- Everyone on the ESAF automatically has access. To add additional people use the gui.
- To access the gui type two lines  
`source /home/dm/etc/dm.setup.csh`  
`dm-station-gui &`
- Click on “Experiments” (upper left tab) if not already selected.
- Select the experiment to which you want to add people
- Click “Use selected”
- *Continued on next page*

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Experiments DAQs Uploads Workflows Processing Jobs

### 27ID DM Experiment List

Refresh

	Name	Type	Start Date	Description
1	2019Oct8	27ID	2019-10-07...	Elucidating Rhenium t <sub>2</sub> g electronic structure in Sr <sub>2</sub> CrReO <sub>6</sub> t...
2	2019Dec3	27ID	2019-12-03...	J=0 Magnetic Excitations in Sr <sub>3</sub> Ir <sub>2</sub> O <sub>7</sub> F <sub>2</sub> (ESAF id: 215073)
3	2020June11	27ID	2020-06-11...	Temperature dependence of dd excitations (ESAF id: 226340)
4	2020July7	27ID	2020-07-07 10:07:55	Determining the role Mott vs Slater mechanism in layered iridates (ESAF id: 227053)
5	2020Feb25	27ID	2020-02-24...	Spin excitations in a doped quantum-spin-liquid iridate candid...
6	2020June16	27ID	2020-06-16...	Local electronic structure of Ir in a new Kitaev spin liquid can...
7	2020March18	27ID	2020-06-23...	Determining the role Mott vs Slater mechanism in layered irid...
8	2020May28	27ID	2020-05-28...	Temperature dependence of dd excitations (ESAF id: 226340)
9	2020July7c	27ID	2020-07-08...	Determining the role Mott vs Slater mechanism in layered irid...
10	2020July7b	27ID	2020-07-07...	Determining the role Mott vs Slater mechanism in layered irid...

Add Experiment Use Selected Delete Experiment

# To give additional people access to the data (2/2)

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Experiments DAQs Uploads Workflows Processing Jobs

Back View Files File Collection Stats

**2020July7 Settings**

Name: 2020July7

Start Date: 7/7/20 End Date: 7/29/20

Type: 27ID

Description: Slater mechanism in layered iridates (ESAF id: 227053)

Storage Root Path

Save

Data Directory or Single File Path: Data Directory or Single File Path Browse

Additional Parameters: Param1:Value1,Param2:Value2, ...

Start DAQ Start Upload

	Badge	First	Last	Email
1	68002	Mary	Upton	MH...
2	206409	Gilberto	Fernandes ...	GF...
3	81952	Jian	Liu	JIA...
4	63610	Xuerong	Liu	LIU...
5	84000	Mark	Dean	MD...
6	293380	Daniel	Mazzone	DA...
7	286682	Jiaqi	Lin	JIA...
8	306460	Yao	Shen	Y...

Modify Users

- Click "Modify Users"

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Experiments DAQs Uploads Workflows Processing Jobs

Back

**2020July7 User Management**

Current Users Show Esafs Reset

All Users Current Run

	Badge	First	Last	Email
1	68002	Mary	Upton	M...
2	206409	Gilberto	Fernandes ...	G...
3	81952	Jian	Liu	JL...
4	63610	Xuerong	Liu	LI...
5	84000	Mark	Dean	M...
6	293380	Daniel	Mazzone	D...
7	286682	Jiaqi	Lin	JL...
8	306460	Yao	Shen	Y...

<->

Users with access

	Badge	Firstname	Lastname
1	85243	Ada	Yonath
2	85955	Pierre	Verstraete
3	85962	Elizabeth	Wolert
4	86029	Ruby	MacDonald
5	86011	Andrew	Wang
6	86006	Vadim	Molodkin
7	85339	Jinfu	Shu
8	85805	Alan	Wonacott

Possible users

Save

- Search for a new user on the right (for example, type his/her last name in the "Last" box and press return).
- Select the correct user from the right and add them to the experiment (authorized users listed on left) by clicking the middle button with a double-headed arrow.