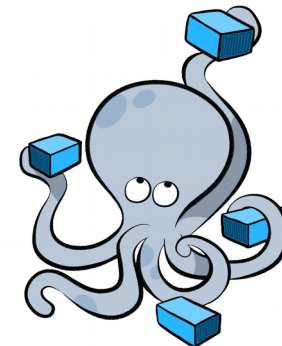
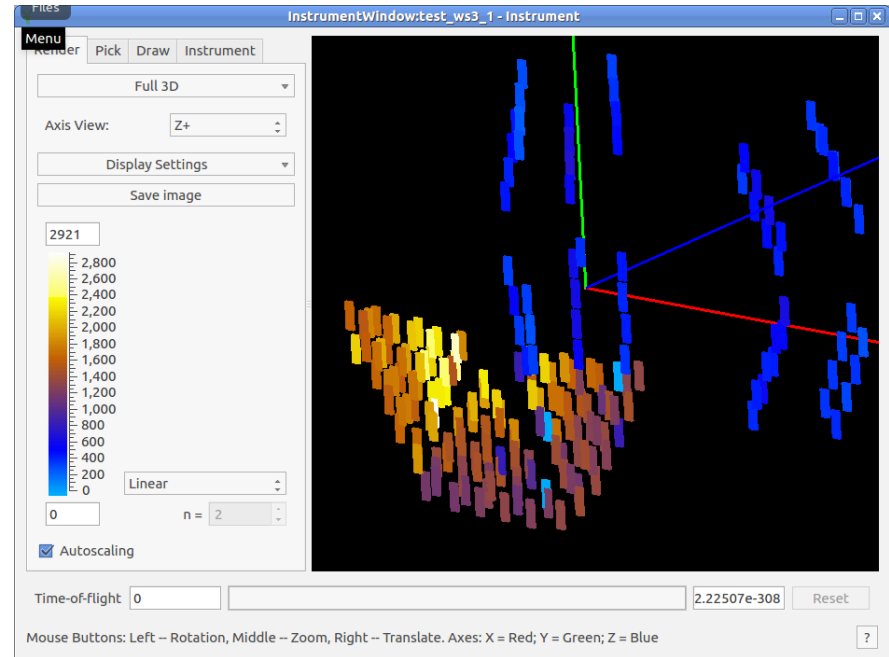




- Testing on live beamlines
- NeXus Geometry
- Manual testing using docker-compose

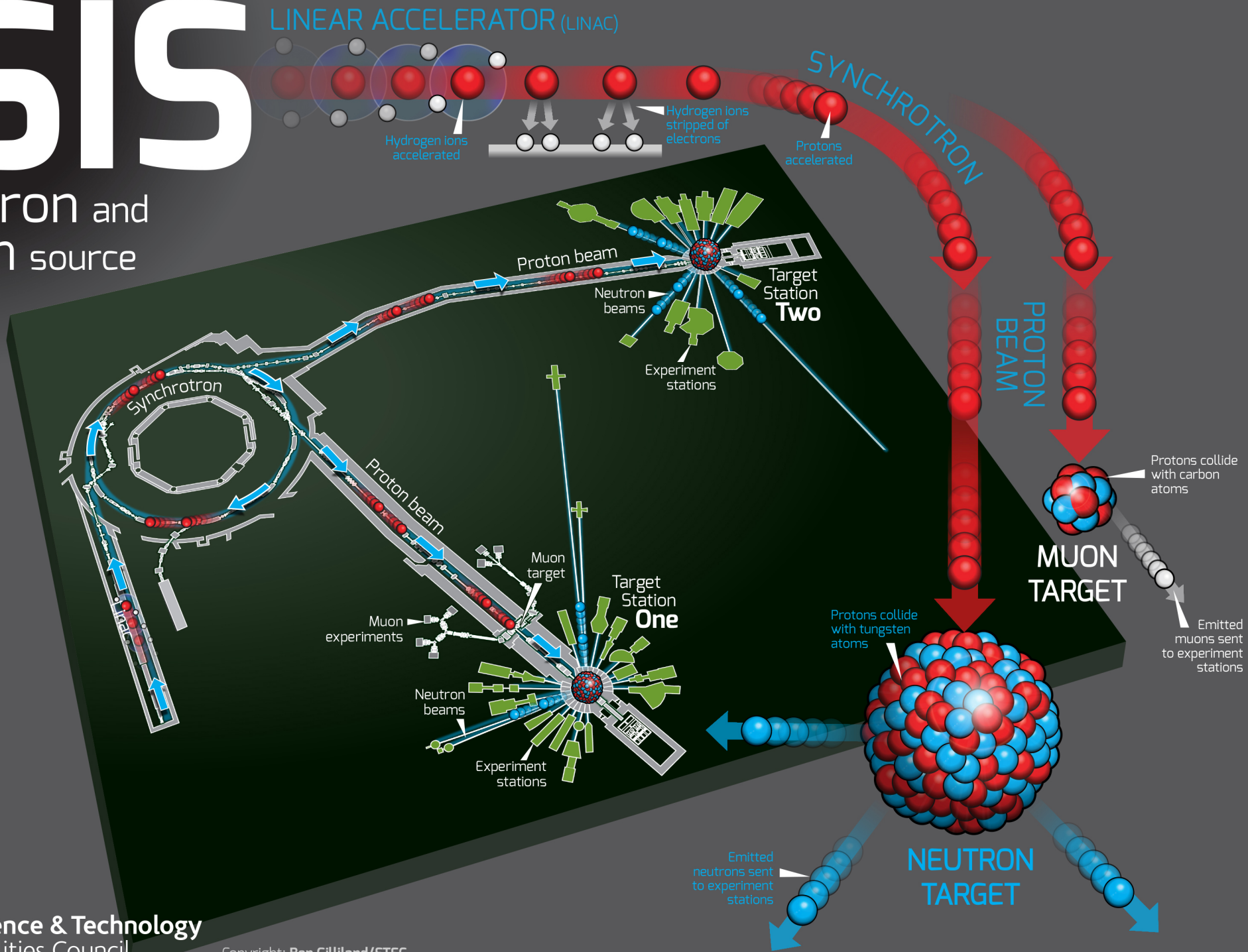


Testing on ISIS instruments

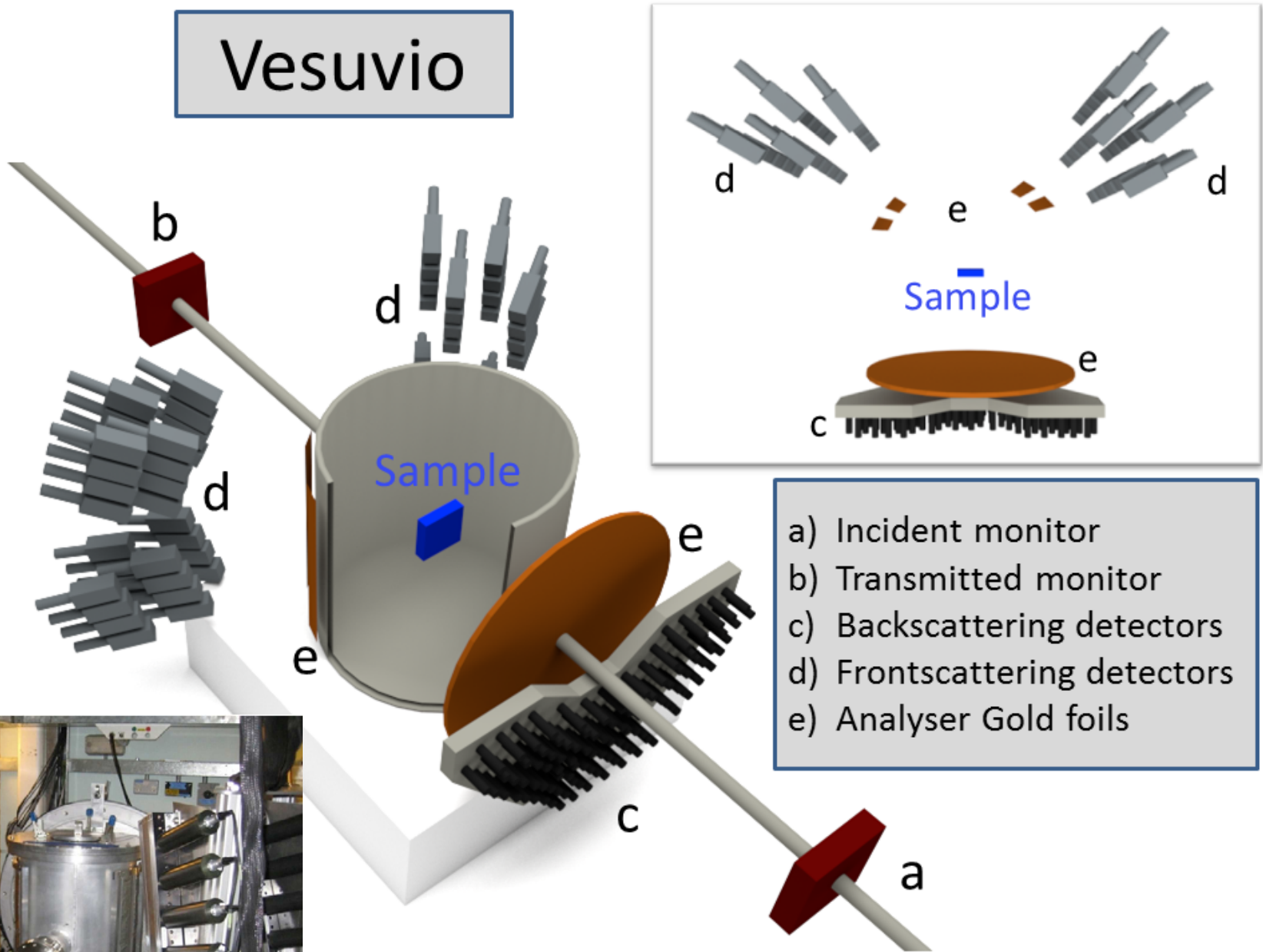


ISIS

Neutron and Muon source



Vesuvio

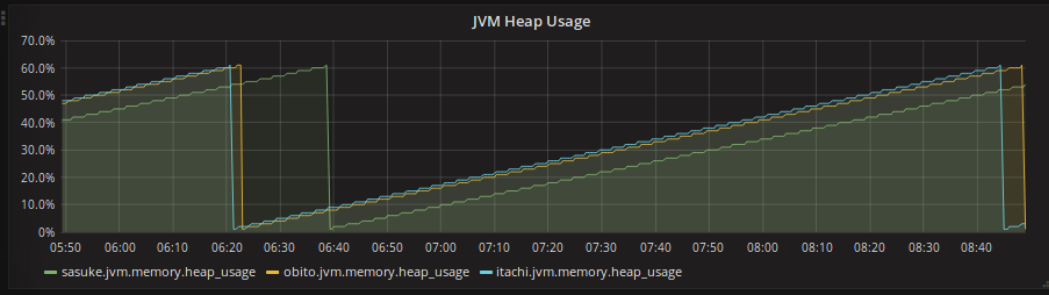
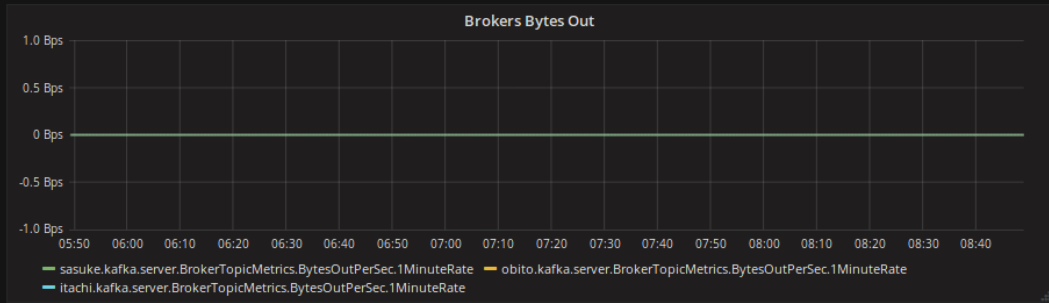
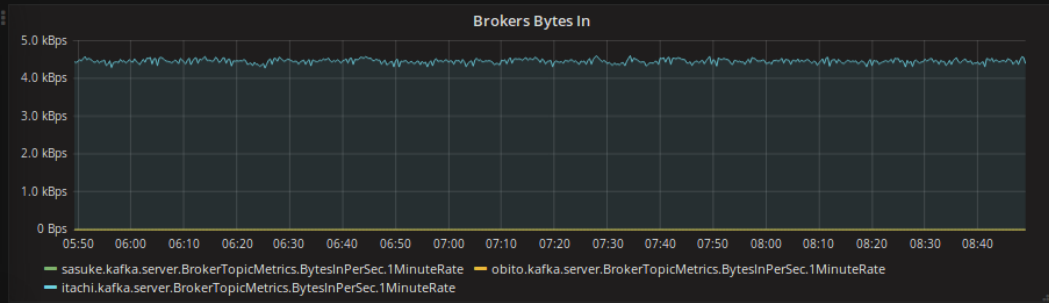


Production Cluster

- Currently 3 x Kafka, 1 x Zookeeper in Target Station 1's server room
- Deployed Kafka, Kafka-Graphite reporter, Zookeeper, Collectd, Grafana, Graphite with Ansible

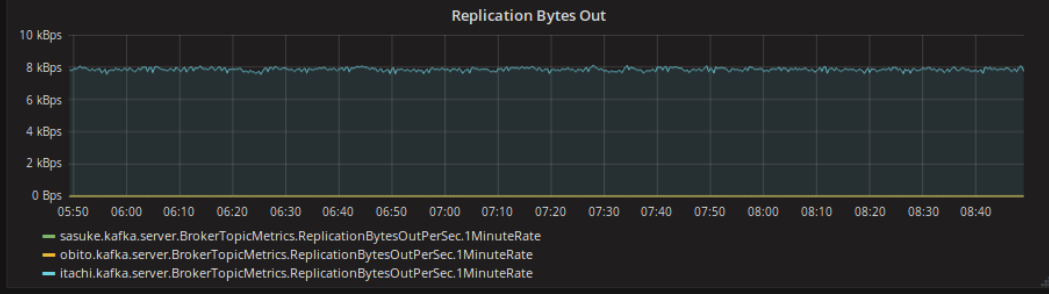
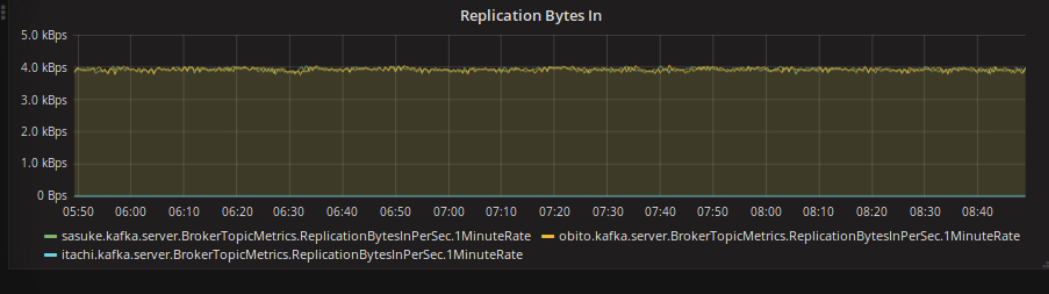


ANSIBLE



Under Replicated Partitions

Metric	Current
sasuke.kafka.server.ReplicaManager.UnderReplicatedPartitions.value	0
obito.kafka.server.ReplicaManager.UnderReplicatedPartitions.value	0
itachi.kafka.server.ReplicaManager.UnderReplicatedPartitions.value	0



Disk Free - madara

1.183 TB

Disk Free - sasuke

3.60 TB

Disk Free - obito

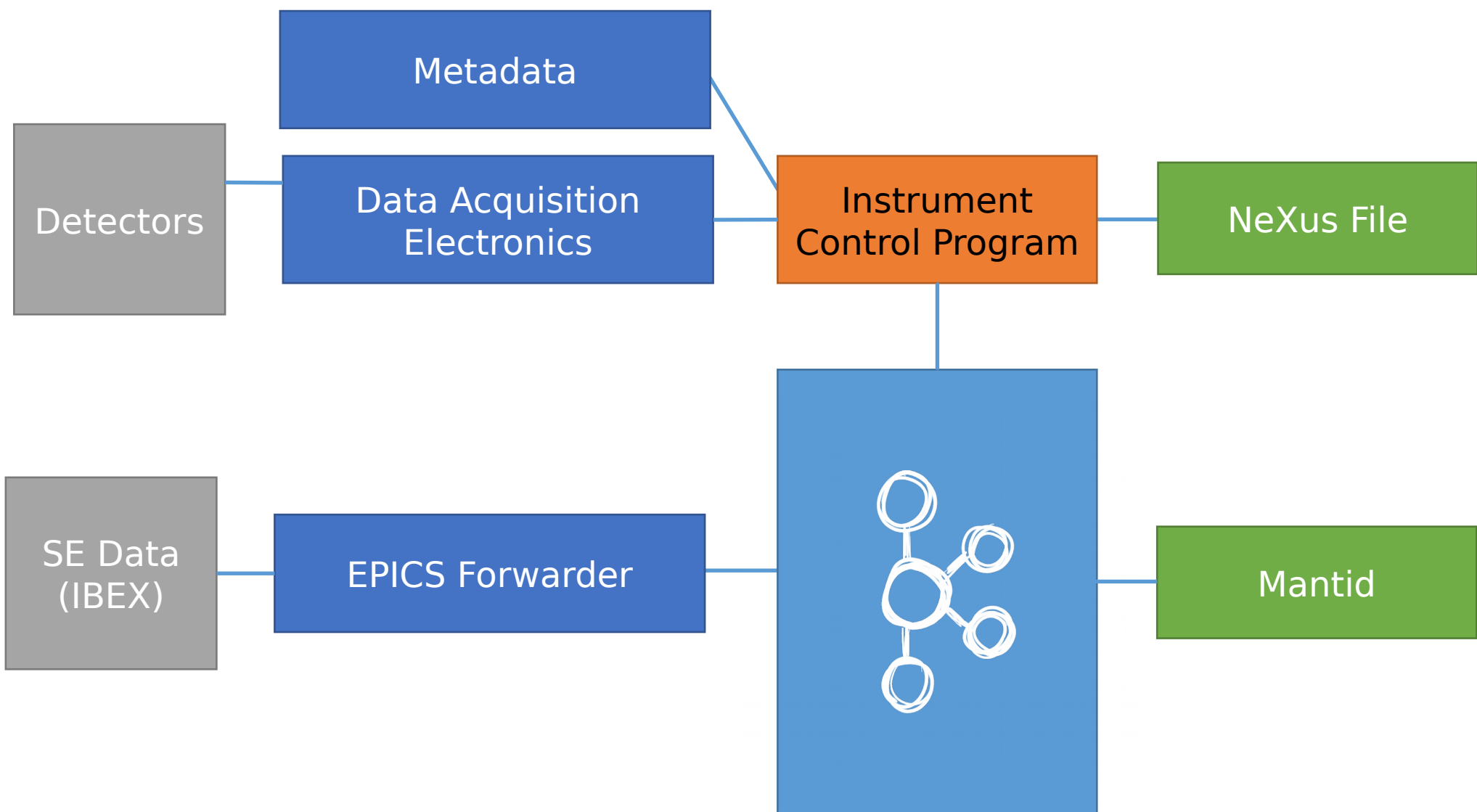
3.60 TB

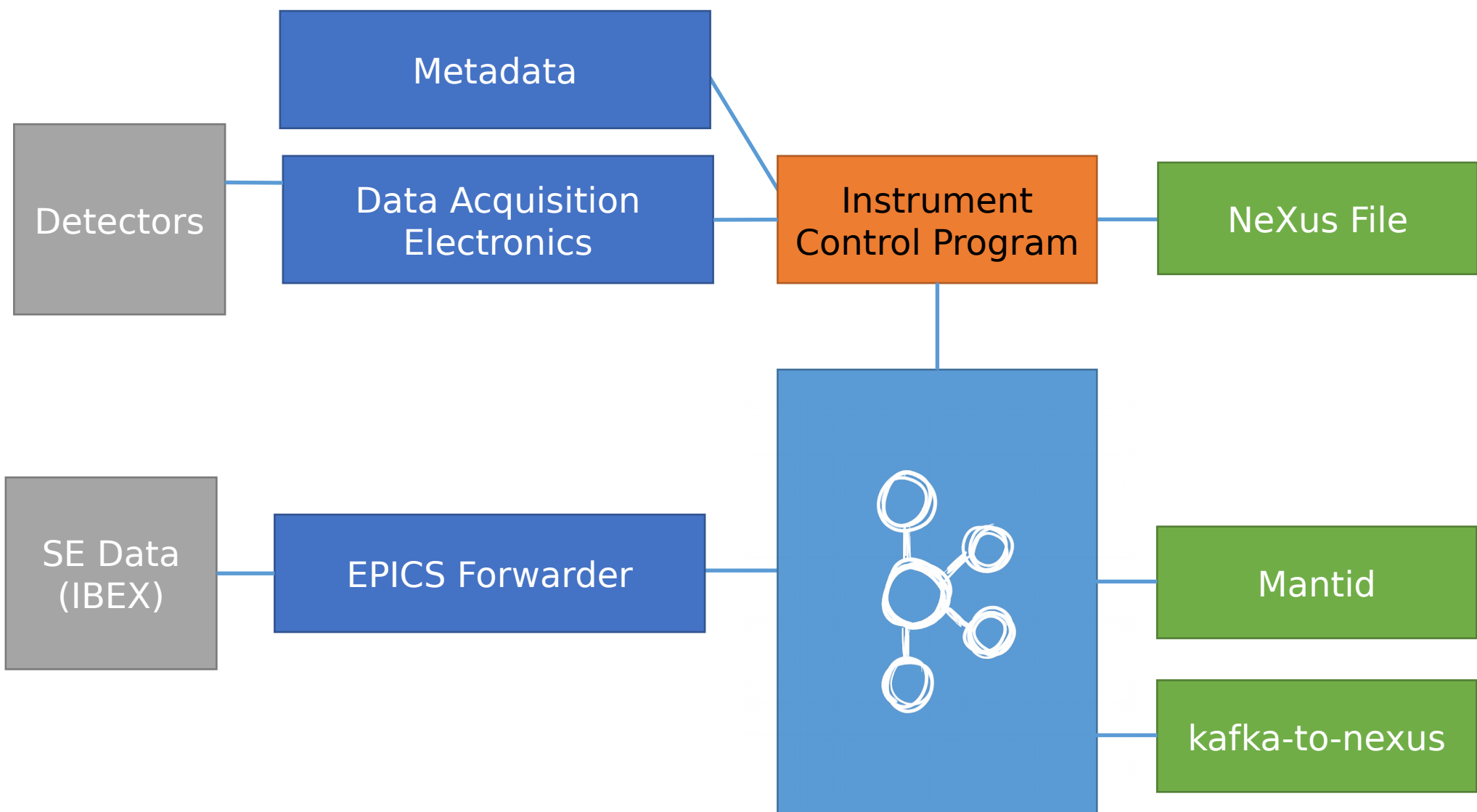
Disk Free - itachi

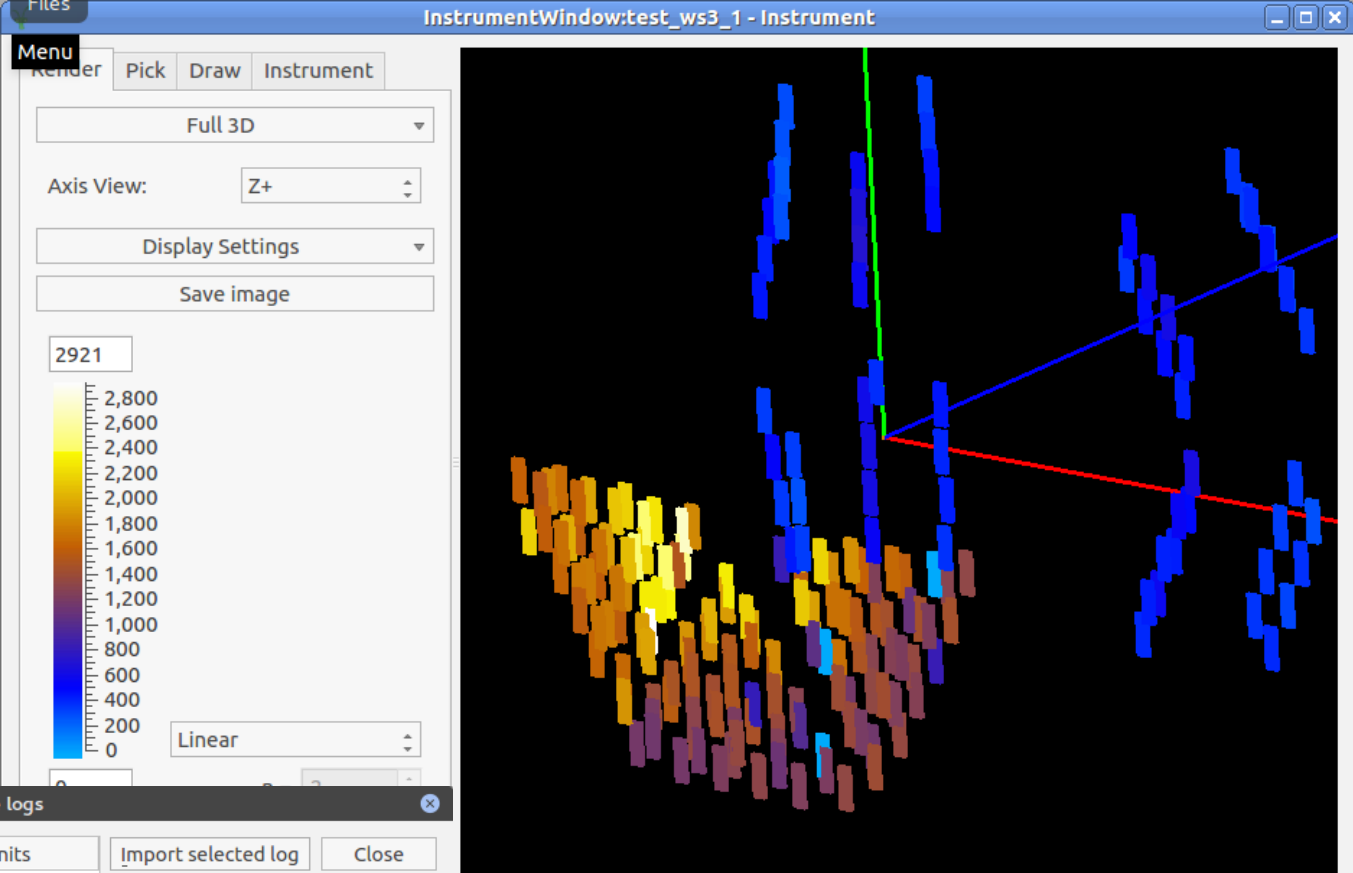
3.60 TB

Alerts -> Slack









MantidPlot - test_ws31_1 sample logs

Name	Type	Value	Units
IN:VESUVIO:CS:SB:BackFoil	num. series	(844 en...	
IN:VESUVIO:CS:SB:Beam_Current	num. series	(499 en...	
IN:VESUVIO:CS:SB:CCR	num. series	(673 en...	
IN:VESUVIO:CS:SB:ForwardFoilLeft	num. series	(87 ent...	
IN:VESUVIO:CS:SB:ForwardFoilRight	num. series	(87 ent...	
IN:VESUVIO:CS:SB:Sample	num. series	(223 en...	
IN:VESUVIO:CS:SB:Stick	num. series	(491 en...	
IN:VESUVIO:CS:SB:TS1_Freq	num. series	40	
IN:VESUVIO:CS:SB:UraniumFoil	num. series	0	
IN:VESUVIO:CS:SB:Vetoed_frames	num. series	(276 en...	
proton_charge	num. series	(50 ent...	
run_number	string	543	
run_start	string	2017-1...	

Import selected log Close

Filter log values by

None
 Status
 Period
 Status + Period

Log Statistics

Min:

Max:

Mean:

Time Avg:

Median:

Std Dev:

Duration:

2.22507e-308 Reset

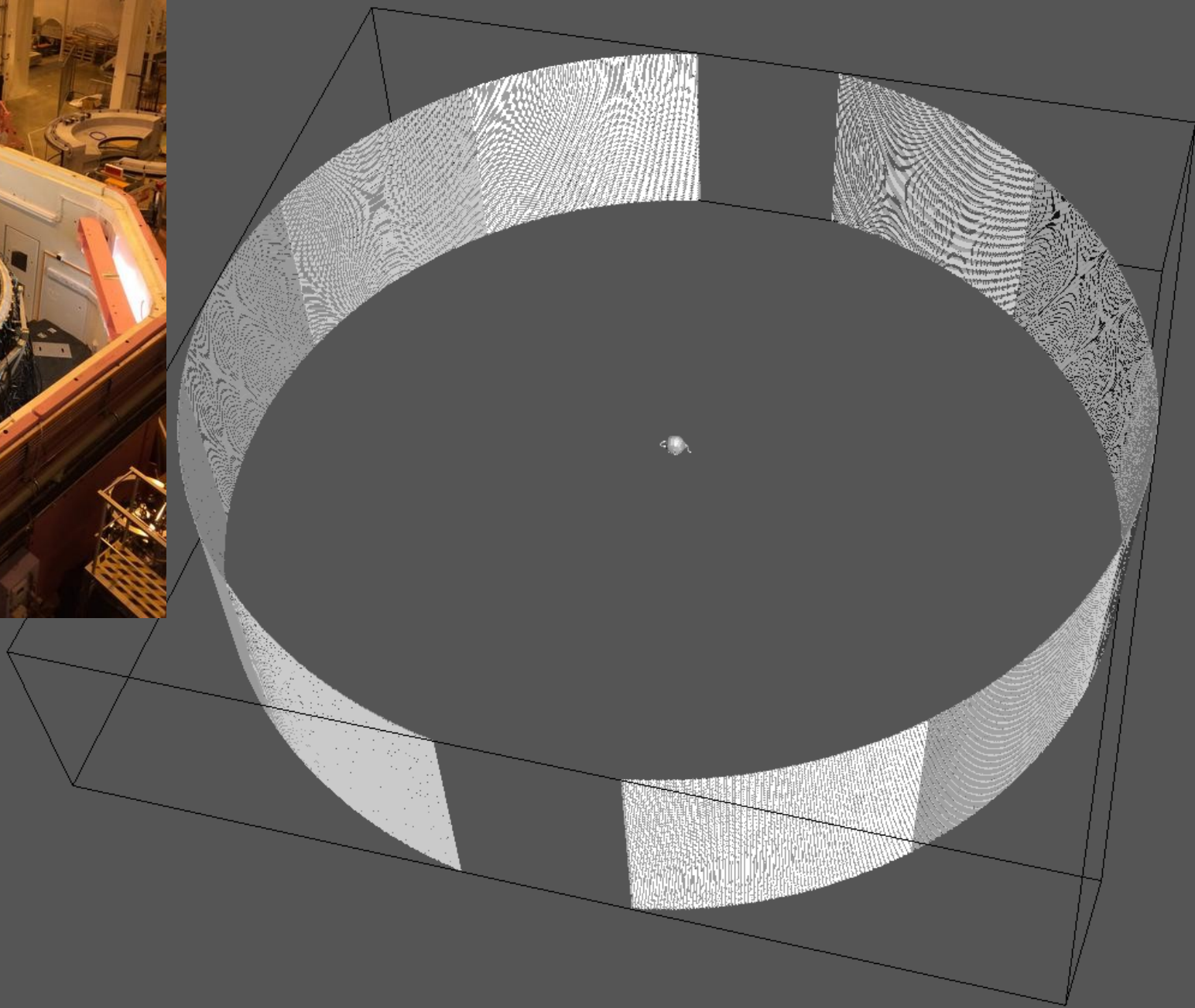
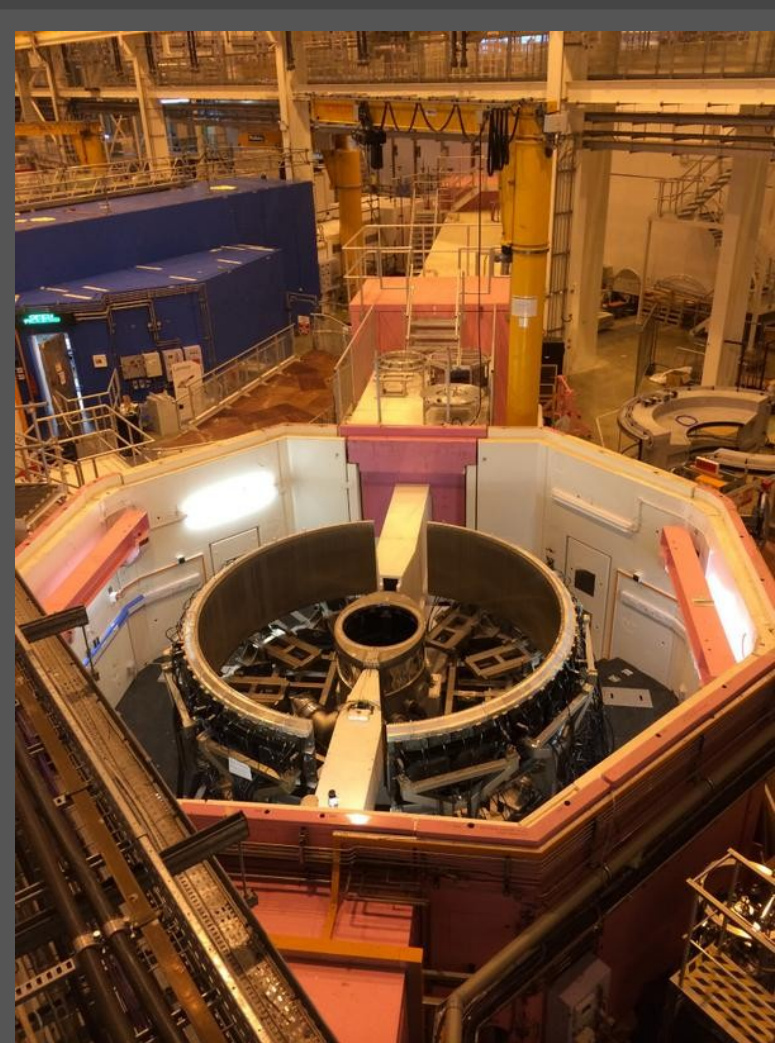
om, Right -- Translate. Axes: X = Red; Y = Green; Z = Blue

?

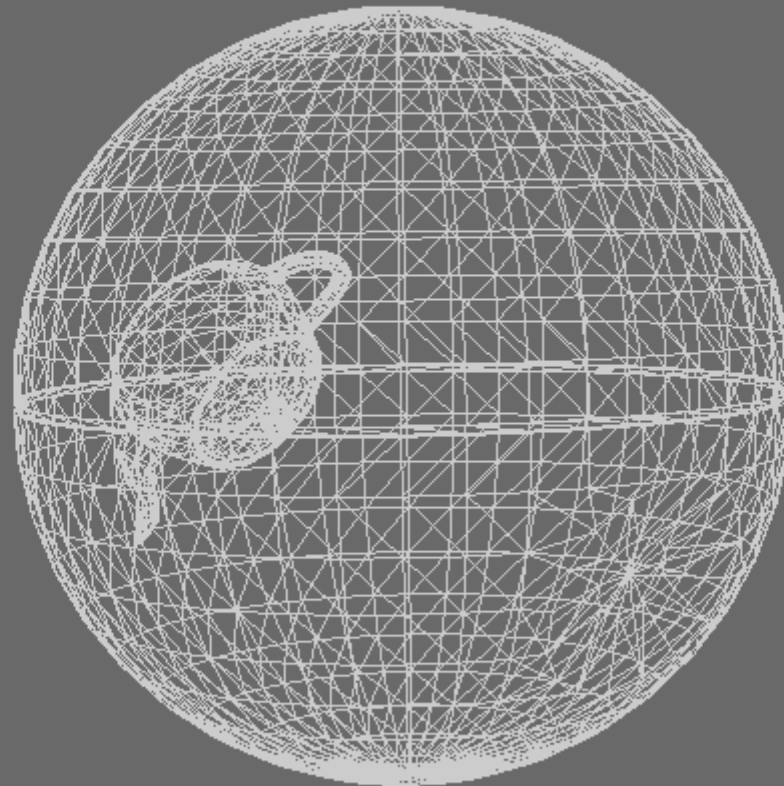
NeXus Geometry

- New geometry (shape) classes, documentation of definitions and new section for manual at PR stage
- Work on Mantid support started by student
- NeXus Feature for exporting entire geometry from a NeXus file to an OFF file

<https://confluence.esss.lu.se/display/DMSC/Instrument+Geometry+in+NeXus>



Instrument View



F3 - toggle wireframe
F4 - reset view

Testing with docker-compose

<https://github.com/ScreamingUdder/docker-compose-full-system/blob/master/docker-compose.yml>

<https://github.com/ess-dmsc/kafka-to-nexus/blob/master/manual-testing/manual-testing.md>

