

## ICAT status for the CLF High Powered Lasers

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### **Astra Gemini (to date)**

- Using ICAT for ~5 years
- Storing data back to 2008
- 80+ experiments
- Almost 7 million datasets
- Over 7 million datafiles



### **Astra Gemini (future)**

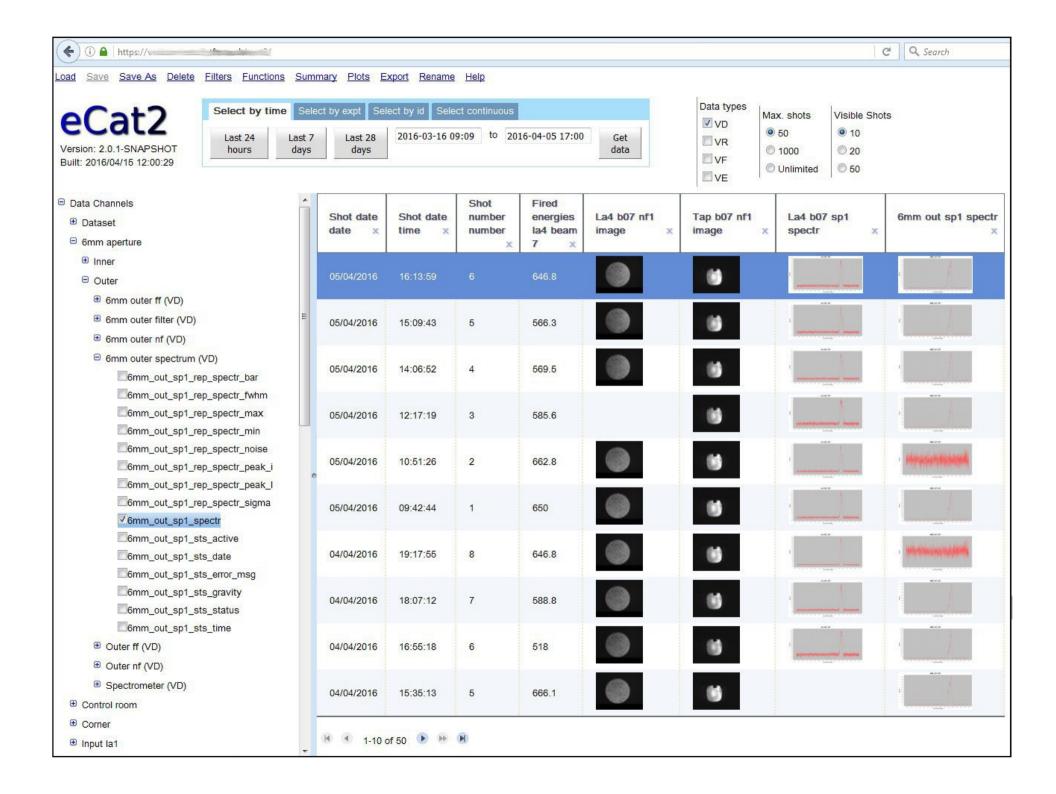
- Current bid for upgrade from 1 shot every 20s to 10Hz by 2019
- New EPICS control system
- Possible data rates of TB per day
- Move to tape storage



#### Vulcan

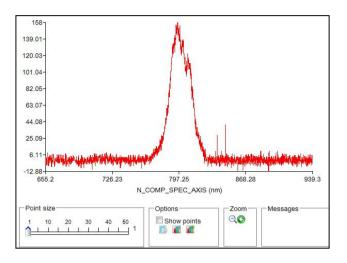
- Using ICAT since around start of 2016
- Almost identical setup to Gemini
- IP authenticator being added
- Should be in production by end of 2016

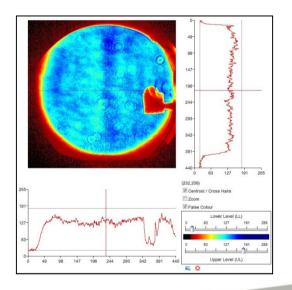




# Viewing data using eCAT2

▼ ld ×	Time x	N comp nf image x	N comp spec trace x	N comp ff e x	N comp spec centre x
114835	2015-03-29 20:55:48			-2.46E6	805.9
114834	2015-03-29 20:40:28			-2.541E6	803
114833	2015-03-29 20:13:07			-2.543E6	803.15
114832	2015-03-29 19:49:07			-2.476E6	802.95
114831	2015-03-29 19:26:27			-2.421E6	802.85
114830	2015-03-29 18:56:27			-2.529E6	
114829	2015-03-29 18:41:07			-2.552E6	802.05
114828	2015-03-29 18:06:27			-2.665E6	804.25
114827	2015-03-29 17:50:27			-2.482E6	806.2
114826	2015-03-29 17:33:47			-2.406E6	802.15





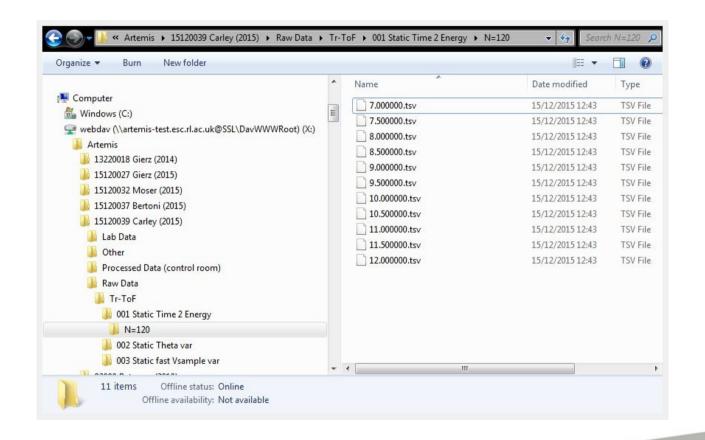


#### **Artemis**

- New IDAV component developed to access ICAT like a file system
- Dragging and dropping of data only no metadata
- Should go into production by April 2017



## File system access to ICAT







### **Questions?**