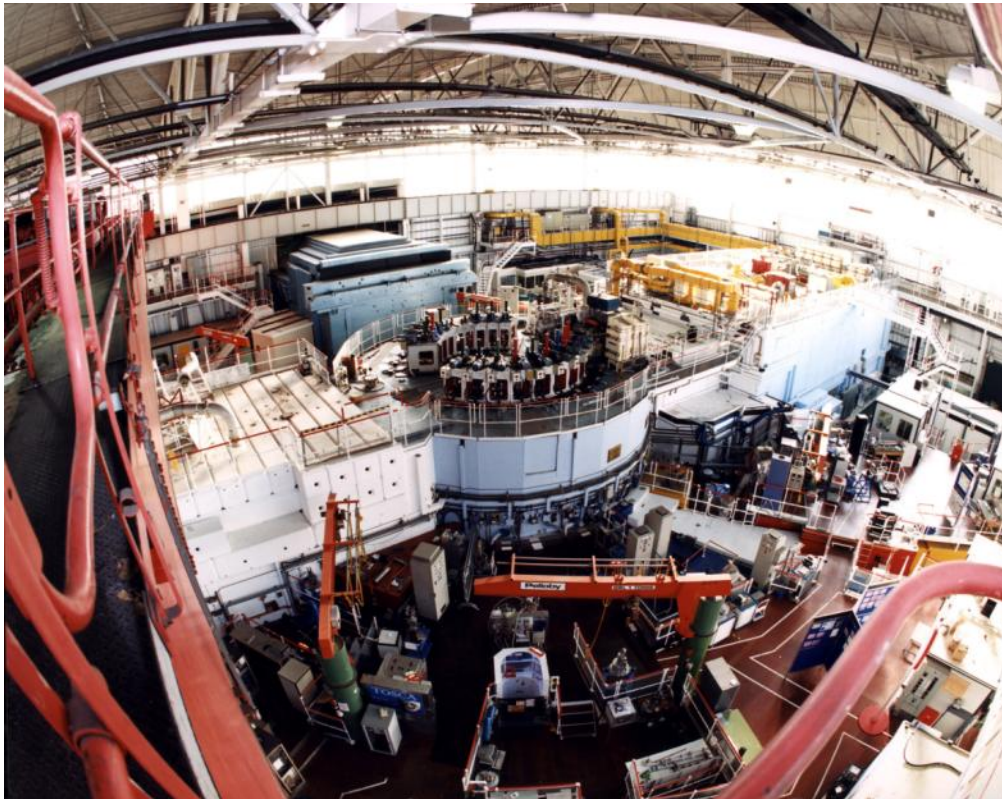


ICAT at ISIS



Tom Griffin
STFC ISIS Facility
8th Feb 2010



Science & Technology Facilities Council

ISIS

ISIS Status

- Long shutdown since August 2010
- User programme restarts 1st March
- ICAT/TopCAT to be default access route
- Issuing DOIs for all experiments



What have we been doing?

- Good question!
- Ongoing changes to user office
 - Lots of changes to integration code
- TopCAT specification and development
- DOIs
- User identification change of policy



Problems

- Permissions structure
 - Instrument scientist / Instrument groups
 - 5-15 instrument scientists per instrument
 - = a lot more authorisation records
- Ongoing parameter woes
- Study level might be useful
- Incomplete API
- Weak documentation

- (No time!)



TopCAT

<http://topcatdev-isis.cclrc.ac.uk/TopCAT/TOPCATWeb.jsp>

Live Demo with static images as a backup



Science & Technology Facilities Council

ISIS



ISIS

DIAMOND

CLF

Keywords

Search Just My Data Search All Data

- ▾
- ▾

Facility Name	Investigation Number	Title	Start Date	End Date
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Login to ISIS

Username

Password

Keywords

jaws

Search

Search

Search All Data

Advanced Search

Facilities Search

Facility Name

Investigation Number

Title

Start Date

End Date

- JAWS
- jaws
- jAWS
- Jaws
- jaws(both)
- Jaws(CH=44
- Jaws(F=30x30
- Jaws(F=40x40
- Jaws(s)=55x55mm
- jaws(sample)=10x10
- jaws(sample)=25x25
- jaws(sample)=40x40
- jaws(sample)=67x67
- jaws)
- jaws+40*40mm
- jaws0
- jaws1-3
- jaws1-3@HR
- jaws10wx45h
- jaws2

Keywords

Jaws

Search

 Search Just My Data Search All Data

Advanced Search

Facilities Search

Facility Name	Investigation Number	Title	Start Date	End Date
ISIS	58004	DKDP VX-3 AP/RT BN t=5mm letterbox shape hole 4.5mm ² ,NO VAC J1(nsew)=4.3,4.7,10	7/4/05 6:21 PM	9/6/07 6:23 PM
ISIS	0	SXD jaws test	10/17/02 8:58 AM	10/10/03 2:21 PM
ISIS	58004	Ca3Co2O6 T=20K test rot=-150.0	4/30/06 12:52 AM	5/3/06 10:59 AM
ISIS	20265	DKDP in V4 75t RT (position 3)	3/6/05 12:57 AM	5/26/05 9:59 AM
ISIS	0	LaRuO T=RT Ei=80 150 S WCCR=1.37 (a/ki) jaws 30(h) 68(v)	12/2/03 4:43 PM	5/13/04 7:12 PM
ISIS	0	Si 10-110ms (RT) 1m jaws x=15 y=20	4/25/91 12:08 AM	7/15/03 7:02 AM
ISIS	510033	Y2O3, 8 mm, jaws 15x40	2/6/06 10:09 PM	2/7/06 9:14 AM
ISIS	0	MT SANDALS, jaws 17mm W x 27mm H	4/24/06 1:24 PM	4/24/06 2:34 PM
ISIS	12082	NdCu2 2.2k 20kbarr 30mev 6c jaws h=14 jaws 50 x 50 mm	11/15/00 1:24 PM	6/25/03 2:07 AM
ISIS	0	GeSe2 (natural) cooling 60meV 5s Jaws 50x50 Nim 50Hz	10/7/01 2:55 PM	7/5/03 12:53 AM
ISIS	0	YbAuCu4 at 2K 12 meV 3C nim=50Hz jaws 43x43	5/19/03 2:02 PM	10/7/03 4:43 PM
ISIS	0	(LaSr)2MnO3 phi8=90 align	10/21/02 3:54 PM	6/6/03 4:14 PM
ISIS	CAL_SANDALS_2007-11-23T	E(IV) can #33 Pos 5 T=40C Jaws 30x30	11/23/07 9:51 PM	11/23/07 11:21 PM
ISIS	CAL_MERLIN_2007-12-12T12	wb het van julians card 1 and 2 in dim slot 2 jaws 40x40	12/12/07 11:09 AM	12/12/07 12:14 PM
ISIS	CAL_SANDALS_2008-02-19T	HgpgNH2 in nullwater can3 Pos 8 T=25C Jaws 30x30	2/19/08 5:08 PM	2/19/08 5:18 PM

Keywords

Jaws

Search

 Search Just My Data Search All Data

Advanced Search

Facilities Search

Facility Name	Investigation Number	Title	Start Date	End Date
ISIS	58004	DKDP VX-3 AP/RT BN t=5mm letterbox shape hole 4.5mm*2,NO VAC J1(nsew)=4.3,4.7,10	7/4/05 6:21 PM	9/6/07 6:23 PM
ISIS	0			10/10/03 2:21 PM
ISIS	58004			5/3/06 10:59 AM
ISIS	20265			5/26/05 9:59 AM
ISIS	0			5/13/04 7:12 PM
ISIS	0			7/15/03 7:02 AM
ISIS	510033			2/7/06 9:14 AM
ISIS	0			4/24/06 2:34 PM
ISIS	12082			6/25/03 2:07 AM
ISIS	0			7/5/03 12:53 AM
ISIS	0			10/7/03 4:43 PM
ISIS	0			6/6/03 4:14 PM
ISIS	CAL_SA			11/23/07 11:21 PM
ISIS	CAL_ME			12/12/07 12:14 PM
ISIS	CAL_SA			2/19/08 5:18 PM

Datafile Window

Download

<input type="checkbox"/> File Name	File Size (MBytes)	Format	Format Version	Format Type	Create Time
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Dataset Name: Default (876 Items)

<input type="checkbox"/> SXD17903.RAW	70.396 MB				7/4/05 6:46 PM
<input type="checkbox"/> SXD17903_CURREN	0.276 MB				7/4/05 6:21 PM
<input type="checkbox"/> SXD17903_ICPEVEN	0 MB				7/4/05 6:44 PM
<input type="checkbox"/> SXD17903_STATUS.	0.238 MB				7/4/05 6:21 PM
<input type="checkbox"/> SXD17903_TEMP1.T.	0.246 MB				7/4/05 6:21 PM
<input type="checkbox"/> SXD17903_TEMP2.T.	0.246 MB				7/4/05 6:21 PM
<input type="checkbox"/> SXD17903_WCCR.T)	0.254 MB				7/4/05 6:21 PM
<input type="checkbox"/> SXD17932.RAW	70.384 MB				7/17/05 11:01 AM
<input type="checkbox"/> SXD17932_CURREN	0.017 MB				7/17/05 10:15 AM
<input type="checkbox"/> SXD17932_ICPEVEN	0 MB				7/17/05 10:58 AM
<input type="checkbox"/> SXD17932_ROT.TXT	0.016 MB				7/17/05 10:15 AM
<input type="checkbox"/> SXD17932_STATUS.	0.014 MB				7/17/05 10:15 AM
<input type="checkbox"/> SXD17932_TEMP1.T.	0.017 MB				7/17/05 10:15 AM
<input type="checkbox"/> SXD17932_TEMP2.T.	0.016 MB				7/17/05 10:15 AM
<input type="checkbox"/> SXD17933.RAW	70.385 MB				7/17/05 11:15 AM
<input type="checkbox"/> SXD17933_CURREN	0.007 MB				7/17/05 11:16 AM
<input type="checkbox"/> SXD17933_ICPEVEN	0 MB				7/17/05 11:15 AM
<input type="checkbox"/> SXD17933_ROT.TXT	0.006 MB				7/17/05 11:16 AM
<input type="checkbox"/> SXD17933_STATUS.	0.005 MB				7/17/05 11:16 AM



Browse All Data

Keywords

Jaws

Search

Search Just My Data

Search All Data

Datafile: SXD17932.RAW

Export

Name	Units	Value
finish_date	yyyy-MM-dd HH:mm:ss	2005-07-17 11:14:06
good_frames	pulses	56650.0
good_proton_charge	uAmp hours	34.217
monitor_sum1	neutrons	29.0
monitor_sum2	neutrons	0.0
monitor_sum3	neutrons	0.0
notes	N/A	1
number_of_periods	decimal	1.0
number_of_spectra	decimal	45104.0
number_of_time_channels	decimal	1586.0
run_duration	seconds	784.0
run_header	N/A	SXD17932Ohoyama/MJG DKP
run_number	decimal	17932.0
run_title	N/A	DKDP 20t V3 in CCR
short_title	N/A	DKDP 20t V3 in CCR
start_date	yyyy-MM-dd HH:mm:ss	2005-07-17 11:01:02
time_channel_parameters	N/A	800 1.0000 0.002








































































Datafile: SXD17903.RAW

Export

Name	Units	Value
finish_date	yyyy-MM-dd HH:mm:ss	2005-07-05 09:02:08
good_frames	pulses	1925502.0
good_proton_charge	uAmp hours	1739.56
monitor_sum1	neutrons	1113.0
monitor_sum2	neutrons	0.0
monitor_sum3	neutrons	0.0
notes	N/A	1
number_of_periods	decimal	1.0
number_of_spectra	decimal	45104.0
number_of_time_channels	decimal	1586.0
run_duration	seconds	51331.0
run_header	N/A	SXD17903MJG/LCC/PGR DKD
run_number	decimal	17903.0
run_title	N/A	DKDP in Dubna-Didcot cell at F
short_title	N/A	DKDP in Dubna-Didcot cel
start_date	yyyy-MM-dd HH:mm:ss	2005-07-04 18:46:37
time_channel_parameters	N/A	800 1.0000 0.002

- SXD17932_TEMP2.T 0.016 MB 7/17/05 10:15 AM
- SXD17933.RAW 70.385 MB 7/17/05 11:15 AM
- SXD17933_CURREN 0.007 MB 7/17/05 11:16 AM
- SXD17933_ICPEVEN 0 MB 7/17/05 11:15 AM
- SXD17933_ROT.TXT 0.006 MB 7/17/05 11:16 AM
- SXD17933_STATUS 0.006 MB 7/17/05 11:16 AM



- ▶   ISIS
 - ▶   SANS2D
 - ▶   NIMROD
 - ▶   VMSH
 - ▶   LET
 - ▶   HIFI
 - ▶   LOQ
 - ▶   MAPS
 - ▶   MARI
 - ▶   cycle_00_1
 - ▶   cycle_00_2
 - ▶   cycle_00_3
 - ▶   cycle_00_4
 - ▶   cycle_01_1
 - ▶   cycle_01_2
 - ▶    cycle_01_3
 - ▶   GeSe2 (natural) cooling 60meV 5s Jaws 50x50 Nim 50Hz(Id:0)
 - ▶   White Van nimocin 50Hz(Id:0)
 - ▶   Ba6Ge24 Clathrate cooling 80meV 10C Jaws 50x50 Nim 50Hz(Id:0)
 - ▶   Pt(40%)/C + H2 aged RT 650meV 12s Jaws 50x50 Nim 50Hz(Id:0)
 - ▶   Rb2PTH6 cooling 600meV 12S Jaws 50x50 Nim 50Hz(Id:0)
 - ▶   (D3O)2[PtCl6] cooling 350meV 8a Jaws 50x50 Nim 50Hz(Id:0)
 - ▶   Al2O3 + methanol cooling 500meV 8a Jaws 50x50 Nim 50Hz(Id:0)
 - ▶   Pt(40%)/C pumped cooling 650meV 8a Jaws 50x50 Nim 50Hz(Id:0)
 - ▶   Pt(40%)/C cold 650meV 8a Jaws 50x50 Nim 50Hz(Id:0)
 - ▶   Pd-methyls cooling 500meV 12a Jaws 50x50 Nim 50Hz(Id:0)
 - ▶   Hexachlorplatinic acid (H6) cooling 550meV 12a 50x50 Nim 50Hz(Id:0)
 - ▶   Rb2PTH4 cooling 300meV 12a Jaws 50x50 Nim 50Hz(Id:0)
 - ▶   Pt(40%)/C reduced, +H2 cooling 650meV 12a Jaws 50x50 Nim 50Hz(Id:0)
 - ▶   SRN2 cooling 200meV 8a Jaws 50x50 Nim 50Hz(Id:0)
 - ▶   K (bis-trifluoroacetate) cooling 500 10a Jaws 50x50 Nim 50Hz(Id:0)
 - ▶   Adamantane cooling 125 5a Jaws 50x50 Nim 50Hz(Id:0)
 - ▶   SWNT cooling 30meV 6c Jaws 50x50 Nim 50Hz(Id:0)
 - ▶   SWNT (purified +9%) cooling 30meV 6c Jaws 40x50 Nim 50Hz(Id:0)
 - ▶   Empty Can cooling 30meV 6c Jaws 40x50 Nim 50Hz(Id:0)

- ▲ MARI
 - ▶ cycle_00_1
 - ▶ cycle_00_2
 - ▶ cycle_00_3
 - ▶ cycle_00_4
 - ▶ cycle_01_1
 - ▶ cycle_01_2
 - ▲ cycle_01_3
 - ▲ GeSe2 (natural) cooling 60meV 5s Jaws 50x50 Nim 50Hz(Id:0)
 - MAR08829.RAW
 - MAR08827.RAW
 - MAR08828.RAW
 - ▶ White Van nimocin 50Hz(Id:0)
 - ▶ Ba6Ge24 Clatherate cooling 80meV 10C Jaws 50x50 Nim 50Hz(Id:0)
 - ▶ Ba40Ge14C + H2 cool BT 850meV 10C Jaws 50x50 Nim 50Hz(Id:0)

- ▶ ISIS
- ▶ SANS2D
- ▶ NIMROD
- ▶ VMSH
- ▶ LET
- ▶ HIFI
- ▶ LOQ
- ▶ MAPS
- ▶ MAR

Datafile: MAR08829.RAW

Export

Name	Units	Value
c_cntrl	N/A	1.5
c_delay	N/A	2968.0
c_phase	N/A	2978.0
c_speed	N/A	80.02
c_width	N/A	2.0
ci_jaw	MM	53.0
cmotor	MM	53.0
cx_jaw	MM	42.0
cy_jaw	MM	53.0
d_cntrl	N/A	0.0
d_phase	N/A	621.0
d_speed	N/A	0.0
finish_date	yyyy-MM-dd HH:mm:ss	2001-10- 9 14:10:38
g_large	DEGREES	0.0
g_small	DEGREES	10.0
good_frames	pulses	6876910.0
good_proton_charge	uAmp hours	7196.25

Datafile: MAR08827.RAW

Export

Name	Units	Value
c_cntrl	N/A	1.5
c_delay	N/A	2968.0
c_phase	N/A	2978.0
c_speed	N/A	80.02
c_width	N/A	2.0
ci_jaw	MM	53.0
cmotor	MM	53.0
cx_jaw	MM	53.0
cy_jaw	MM	53.0
d_cntrl	N/A	0.0
d_phase	N/A	621.0
d_speed	N/A	0.0
finish_date	yyyy-MM-dd HH:mm:ss	2001-10- 7 15:12:46
g_large	DEGREES	0.0
g_small	DEGREES	10.0
good_frames	pulses	43686.0
good_proton_charge	uAmp hours	44.6887

- ▶ Hexachlorplatinic acid (H6) cooling 550meV 12a 50x50 Nim 50Hz(Id:0)
- ▶ Rb2PtH4 cooling 300meV 12a Jaws 50x50 Nim 50Hz(Id:0)
- ▶ Pt(40%)/C reduced, +H2 cooling 650meV 12a Jaws 50x50 Nim 50Hz(Id:0)
- ▶ SRN2 cooling 200meV 8a Jaws 50x50 Nim 50Hz(Id:0)
- ▶ K (bis-trifluoroacetate) cooling 500 10a Jaws 50x50 Nim 50Hz(Id:0)
- ▶ Adamantane cooling 125 5a Jaws 50x50 Nim 50Hz(Id:0)
- ▶ SWNT cooling 30meV 6c Jaws 50x50 Nim 50Hz(Id:0)
- ▶ SWNT (purified +9%) cooling 30meV 6c Jaws 40x50 Nim 50Hz(Id:0)
- ▶ Empty Can cooling 30meV 6c Jaws 40x50 Nim 50Hz(Id:0)
- ▶ Mono Van 15meV 4c Jaws 40x50 Nim 50Hz(Id:0)
- ▶ Empty Can 290K 50meV 8c Jaws 50x50 Nim 50Hz(Id:0)
- ▶ BaSO4 Clkrate 40/ 50meV 8c Jaws 50x50 Nim 50Hz(Id:0)

- ▶ NIMROD
- ▶ WMSH
- ▶ LET

Opening parameter.csv

You have chosen to open

parameter.csv
 which is a: Microsoft Office Excel Comma Separated Values File
 from: <http://topcatdev-isis.cclrc.ac.uk>

What should Firefox do with this file?

Open with Microsoft Office Excel (default)

Save File

Do this automatically for files like this from now on.

OK Cancel

Datafile: MAR08829

Name	Units	Value
c_cntrl	N/A	1.5
c_delay	N/A	2968.0
c_phase	N/A	2978.0
c_speed	N/A	80.02
c_width	N/A	2.0
ci_jaw	MM	53.0
cmotor	MM	53.0
cx_jaw	MM	42.0
cy_jaw	MM	53.0
d_cntrl	N/A	0.0
d_phase	N/A	621.0
d_speed	N/A	0.0
finish_date	yyyy-MM-dd HH:mm:ss	2001-10- 9 14:10:38
g_large	DEGREES	0.0
g_small	DEGREES	10.0
good_frames	pulses	6876910.0
good_proton_charge	µAmp.hours	7196.25

Datafile: MAR08829.RAW

Name	Units	Value
c_cntrl	N/A	1.5
c_delay	N/A	2968.0
c_phase	N/A	2978.0
c_speed	N/A	80.02
c_width	N/A	2.0
ci_jaw	MM	53.0
cmotor	MM	53.0
cx_jaw	MM	42.0
cy_jaw	MM	53.0
d_cntrl	N/A	0.0
d_phase	N/A	621.0
d_speed	N/A	0.0
finish_date	yyyy-MM-dd HH:mm:ss	2001-10- 9 14:10:38
g_large	DEGREES	0.0
g_small	DEGREES	10.0
good_frames	pulses	6876910.0
good_proton_charge	µAmp.hours	7196.25

- ▶ Hexachlorplatinic acid (H6) cooling 550meV 12a 50x50 Nim 50Hz(Id:0)
- ▶ Rb2PIH4 cooling 300meV 12a 50x50 Nim 50Hz(Id:0)

Keywords

Jaws

Search

Search Just My Data

Search All Data

Advanced Search

Facilities Search

Facility

Experiment / Proposal Search

Start Date

End Date

Run Number Start

Run Number End

Instrument

- EVS
- LAD
- PEARL
- ENGINX
- ALF

Search

Reset

Datafile Search

Run Number Start

Run Number End

Instrument

- SANS2D
- NIMROD
- WISH
- LET
- HIFI

Search

Reset

Keywords

Jaws

Search

Search Just My Data

Search All Data

Advanced Search

Facilities Search

Facility

ISIS

Experiment / Proposal Search

Datafile Window

Download

<input type="checkbox"/>	File Name	File Size (MBytes)	Format	Format Version	Format Type	Create Time
Dataset Name: Default (672 Items)						
<input type="checkbox"/>	ENG04571.RAW	0.556 MB				11/26/02 6:38 PM
<input type="checkbox"/>	ENG04572.RAW	0.556 MB				11/26/02 6:39 PM
<input type="checkbox"/>	ENG04573.RAW	0.556 MB				11/26/02 6:40 PM
<input type="checkbox"/>	ENG04574.RAW	0.556 MB				11/26/02 6:41 PM
<input type="checkbox"/>	ENG04575.RAW	0.556 MB				11/26/02 6:42 PM
<input type="checkbox"/>	ENG04576.RAW	0.556 MB				11/26/02 6:43 PM
<input type="checkbox"/>	ENG04577.RAW	0.556 MB				11/26/02 6:43 PM
<input type="checkbox"/>	ENG04578.RAW	0.556 MB				11/26/02 6:44 PM
<input type="checkbox"/>	ENG04579.RAW	0.556 MB				11/26/02 6:45 PM
<input type="checkbox"/>	ENG04580.RAW	0.556 MB				11/26/02 6:46 PM
<input type="checkbox"/>	ENG04581.RAW	0.556 MB				11/26/02 6:47 PM
<input type="checkbox"/>	ENG04582.RAW	0.556 MB				11/26/02 6:48 PM
<input type="checkbox"/>	ENG04583.RAW	0.556 MB				11/26/02 6:49 PM
<input type="checkbox"/>	ENG04584.RAW	0.556 MB				11/26/02 6:50 PM
<input type="checkbox"/>	ENG04585.RAW	0.556 MB				11/26/02 6:51 PM
<input type="checkbox"/>	ENG04586.RAW	0.556 MB				11/26/02 6:52 PM
<input type="checkbox"/>	ENG04587.RAW	0.556 MB				11/26/02 6:53 PM
<input type="checkbox"/>	ENG04588.RAW	0.556 MB				11/26/02 6:54 PM
<input type="checkbox"/>	ENG04589.RAW	0.556 MB				11/26/02 6:55 PM

Returns by investigation

Facility Name	Investigation Number	Title	Start Date	End Date
ISIS	0	Fe_pin x=30.0 y=5.0	11/26/02 6:38 PM	11/27/02 7:50 AM

What's still to do

- User upload result data files – ISIS data policy
- User managed permissions
- Parameter searching

