

Operator Training: Sequencer / File catalog

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Three parts of the same program:

File Catalog viewer

SaveRe

File Operator XFEL

File View Options Tools Tests Help

XFEL Last file restored (or saved): 2018-06-19T10:07:16+02 (ID=18062) diff.= 2884

Machine File Catalog Sequence files Symbolic files Re-writable files

XFEL Catalog has 13479 files. With the following filters: 306 files listed in the table below. show filters ☒ apply filters

FILTERS

ID	Timestamp	Beamline	E [GeV]	λ [nm]	SASE [μ J]	Comment	File type	Authors	e-log link
17985	Mon 2018-06-18 21:20:01					DOE tests: SA1 lasing at 9.15 keV; 900 ...	normal	Froehlich, Negodin	
17959	Tue 2018-06-12 19:35:07					shift documentation, new setup 9.3keV, ...	normal	bsteffen	
17958	Tue 2018-06-12 17:00:27					Clean setup 14 GeV, SASE1 9.3 keV, 8...	normal	Scholz, Froehlich	
17929	Mon 2018-06-11 18:50:03					SASE1@7.3keV, 1.5mJ; SASE3@900e...	normal	Froehlich, Grecki, ...	
17920	Fri 2018-06-08 15:13:17					shift documentation	normal	tamras	
17900	Thu 2018-06-07 07:03:12					60bunch, 0.26nC, 14GeV, T4D trans...	normal	tam, meyer	
17889	Wed 2018-06-06 06:32:13					30bunch, 0.26nC, 564kHz 9.2keV, 1.25...	normal	tamras	
17873	Mon 2018-06-04 18:08:54					shift docu - 900uJ SASE1	normal	Brinker	
17794	Wed 2018-05-23 20:55:07					750mJ@10.5keV	reference	mscholz	
17679	Fri 2018-05-18 15:56:13					14 GeV, SASE1 900 uJ, SASE3 2 mJ, fr...	normal	Froehlich	
17663	Wed 2018-05-16 10:45:15					SASE1 2b, 050 mJ	normal		
17613	Mon 2018-05-14 17:54:37					2bunch, 275pC, 14GeV, SA1 1350 μ J, S...	normal	tam, kru	
17612	Mon 2018-05-14 09:41:40					30 bunches SASE1, 280 pC, 1.2 mJ, 9...	normal	mscholz	
17609	Sun 2018-05-13 07:07:57					30bunch, 275pC, T4D transmission, SA...	normal	kru, tam	
17592	Fri 2018-05-11 11:26:56					38bunch, 250pC, 14GeV, T4d transmis...	normal	tam, kru	
17585	Thu 2018-05-10 16:54:25		14.000			after adjusting pointing of SASE 3, lasin...	normal	Brinker	
17533	Sun 2018-05-06 23:27:20					1bunch, 250pC, SA1 260 μ J, 14GeV, 10...	normal	tamras	
17487	Thu 2018-05-03 16:43:50					23bunch, 250pC, 14GeV, SA1, SA2, S...	normal	tamras	
17483	Wed 2018-05-02 19:42:35					18bunch, 250pC, 14GeV, SA1/208 μ J, S...	normal	tamras	
17482	Wed 2018-05-02 17:18:39					all 3 beamlines with light on (9.2 KeV, 7...	normal		
17481	Wed 2018-05-02 15:38:01					18bunch, 250pC, 14GeV, SA1, SA2, SA...	normal	tamras	
17469	Tue 2018-05-01 11:58:33					1bunch, 250pC, B2D transmission, TDS...	normal	tamras	
17468	Tue 2018-05-01 07:11:23					1bunch, 250pC, 14GeV, 100% transmis...	normal	tamras	
17463	Mon 2018-04-30 14:22:45					1bunch, 250pC, 14GeV, 100% T5D tra...	normal	tamras	
17462	Mon 2018-04-30 12:12:32					250pC, 1bunch, 14GeV, 100% TLD, T5...	normal	tamras	
17461	Mon 2018-04-30 07:15:39					250pC, 1bunch, 14GeV T4D 100%trans...	normal		
16908	Tue 2018-04-03 22:25:21					end of run file, with these settings 500 b...	normal	dnoelle et al	
16790	Thu 2018-03-15 18:10:55					Beam to TLD and T4D, 14 GeV	normal	Froehlich	
16787	Thu 2018-03-15 11:33:06					beam in SASE 1 and 2	normal	bsteffen	

SELECTED FROM TABLE

Selected file: ID= RESTORE: selected file \rightarrow Machine WRITE into a symb. file

Three parts of the same program:

SaveRestore tool

File Catalog viewer

File Operator XFEL

File Edit View Options Help

ID= 17985 Timestamp: 2018-06-18T21:20:01+02 Age: 2.7 days

Comment: DOE tests: SA1 lasing at 9.15 keV; 900 uJ Authors: Froehlich, Negodin

File type:

SECTION: ☒ ALL (8776) ☐ 'none' (3951) ☐ SASE1/3 branch (2599) ☐ SASE2 branch (2226)

SYSTEM-SET: ☒ ALL (8776) ☐ Solenoids (8) ☐ Dipoles (388) ☐ Multipoles (2240) ☐ Correctors (3060) ☐ MagnetMovers (198) ☐ Laser (1) ☐ RF (55) ☐ Feedbacks (1)

☐ Diag (2285) ☐ Undulators (364) ☐ UndulatorPhaseShifters (176)

All selected with 8776 data. 8776 data listed below. Show-level = 0 ☐ only writables Search in address: ☐ regex

Search text: in facility: in device: in location: in dev. property:

facility	device	location	dev. property	description	file value	device value	diff.	RBV	diff to RBV
XFEL MAGNETS	MAGNET.ML	SOLA 23.11	CURRENT.SP	current setpoint ...	21.00000000	0.00000000	-21.00000000	0.00495912	-20.99504088
XFEL MAGNETS	MAGNET.ML	SOLB 23.11	CURRENT.SP	current setpoint ...	353.19967651	0.00000000	-353.19967651	0.00572206	-353.19395446
XFEL MAGNETS	MAGNET.ML	SOLA 23.11	PS_ON	true if the power ...	1	0	-1		
XFEL MAGNETS	MAGNET.ML	SOLB 23.11	PS_ON	true if the power ...	1	0	-1		
XFEL MAGNETS	MAGNET.ML	SOLA 23.11	MOMENTUM.NOSC...	momentum, not ...	6.80000000	6.80000000	0.00000000		
XFEL MAGNETS	MAGNET.ML	SOLB 23.11	MOMENTUM.NOSC...	momentum, not ...	6.80000000	6.80000000	0.00000000		
XFEL MAGNETS	MAGNET.ML	SOLA 23.11	KICK.SP	generalized kick ...	0.03703319	0.00000000	-0.03703319		
XFEL MAGNETS	MAGNET.ML	SOLB 23.11	KICK.SP	generalized kick ...	0.93429352	0.00000000	-0.93429352		
XFEL MAGNETS	MAGNET.ML	BK 24.11	CURRENT.SP	current setpoint ...	0.00000000	0.00000000	0.00000000	-0.00125885	-0.00125885
XFEL MAGNETS	MAGNET.ML	BL 481.11	CURRENT.SP	current setpoint ...	79.50912476	0.00000000	-79.50912476	-0.01029970	-79.51942446
XFEL MAGNETS	MAGNET.ML	BL 481.11	CURRENT.SP	current setpoint ...	79.50912476	0.00000000	-79.50912476	-0.01029970	-79.51942446
XFEL MAGNETS	MAGNET.ML	BL 501.11	CURRENT.SP	current setpoint ...	79.34057617	0.00000000	-79.34057617	-0.01602176	-79.35659793
XFEL MAGNETS	MAGNET.ML	BL 501.11	CURRENT.SP	current setpoint ...	80.15495300	0.00000000	-80.15495300	-0.01182558	-80.16677859
XFEL MAGNETS	MAGNET.ML	BB 62.11D	CURRENT.SP	current setpoint ...	0.00000000	0.00000000	0.00000000	-0.03662116	-0.03662116
XFEL MAGNETS	MAGNET.ML	BL 73.11	CURRENT.SP	current setpoint ...	88.93939209	0.00000000	-88.93939209	0.00000000	-88.93939209
XFEL MAGNETS	MAGNET.ML	BL 75.11	CURRENT.SP	current setpoint ...	34.08350754	0.00000000	-34.08350754	-0.02212529	-34.10563282
XFEL MAGNETS	MAGNET.ML	BL 76.11	CURRENT.SP	current setpoint ...	34.08350754	0.00000000	-34.08350754	-0.02212529	-34.10563282

all listed values

8776 FILE values 415

di... 5270

8776 DEVICE values 1486

errors

SP-RBV deviation

0 out of 0

tolerance [bits] = 5

selected values

0 FILE values selected

Copy

Restore

0 DEVICE values selected

Next update in 0 sec: updating

abort server reading

Last update: Jun 21 14:39:18 CEST 2018 age: 30 sec.

update NOW

Three parts of the same program:

File Catalog viewer

File Operator XFEL

File Edit View Options Help

XFEL SEQUENCE: Join injector 1 and XTL
Filename: join_i1_xtl.xml

Sequencer Control

STATUS: idle

enabled		description	status	remarks	restore	check	user actions
<input checked="" type="checkbox"/>	1	Await beam permission I1	-			1 data	
<input checked="" type="checkbox"/>	2	Await beam permission XTL	-			1 data	
<input checked="" type="checkbox"/>	3	Await opening of beam shutter I1	-			1 data	
<input checked="" type="checkbox"/>	4	Extract permanent magnet I1	-		2 data	+2 data	
<input checked="" type="checkbox"/>	5	Await PI NOK for I1 permanent magnet	-			1 data	
<input checked="" type="checkbox"/>	6	Make injector dipole writable	-		2 data	+2 data	
<input checked="" type="checkbox"/>	7	Switch off CBB.62.I1	-		1 data	+1 data	
<input checked="" type="checkbox"/>	8	Cycle BB.62.I1 to zero current	-		1 data	3 data	
<input checked="" type="checkbox"/>	9	Switch off BB.62.I1	-		1 data	+1 data	
<input checked="" type="checkbox"/>	10	Switch on CBB.62.I1	-		1 data	+1 data	
<input checked="" type="checkbox"/>	11	Set CBB.62.I1 to 1.81 mrad	-		1 data	1 data	
<input checked="" type="checkbox"/>	12	Write-protect BB.62.I1	-		1 data	+1 data	
<input checked="" type="checkbox"/>	13	Open injector 1 valve	-		1 data	1 data	

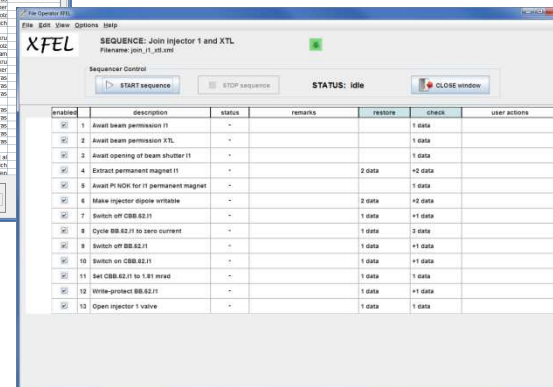
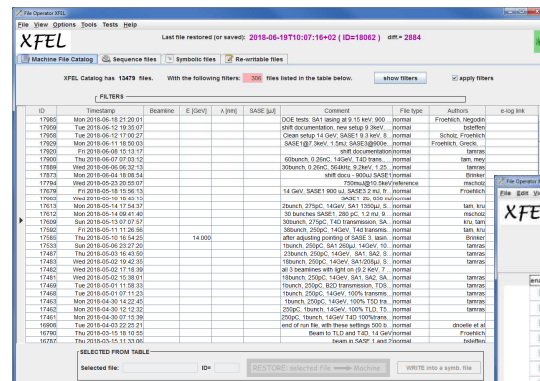
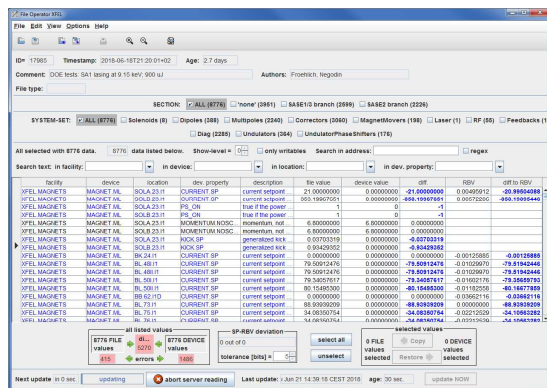
Sequencer

Three parts of the same program:

File Catalog viewer

SaveRestore tool

Sequencer



Address: made of 4 fields:

'facility' / 'device' / 'location' / 'property'

examples:

XFEL.MAGNETS/MAGNET.ML/BK.24.I1/CURRENT.SP

XFEL.RF/LLRF.CONTROLLER/CTRL.GUN.I1/SP.AMPL

Main task of Sequencer / File catalog:

→ save machine settings

machine settings



List of files:

2016-05-23 12:30
2016-05-23 17:25
2016-05-23 23:40
2016-05-24 03:10
2016-05-25 11:45
...

The goal is to get reproducible accelerator conditions

facility	device	location	dev. property	description	file value
XFEL.MAGNETS	MAGNET.ML	SOLA.23.I1	CURRENT.SP	current setpoint ...	21.00000000
XFEL.MAGNETS	MAGNET.ML	SOLB.23.I1	CURRENT.SP	current setpoint	353.19967651
XFEL.MAGNETS	MAGNET.ML	SOLB.23.I1	MOMENTUM.NOSC...	momentum, not ...	6.80000000
XFEL.MAGNETS	MAGNET.ML	SOLA.23.I1	KICK.SP	generalized kick ...	0.03703319
XFEL.MAGNETS	MAGNET.ML	SOLB.23.I1	KICK.SP	generalized kick ...	0.93429352
XFEL.MAGNETS	MAGNET.ML	B...		nt setpoint ...	0.00000000
XFEL.MAGNETS	MAGNET.ML	B...		nt setpoint ...	79.50912476
XFEL.MAGNETS	MAGNET.ML	B...		nt setpoint ...	79.50912476
XFEL.MAGNETS	MAGNET.ML	B...		nt setpoint ...	79.34057617
XFEL.MAGNETS	MAGNET.ML	B...		nt setpoint ...	80.15495300
XFEL.MAGNETS	MAGNET.ML	B...		nt setpoint ...	0.00000000
XFEL.MAGNETS	MAGNET.ML	B...		nt setpoint ...	88.93939209
XFEL.MAGNETS	MAGNET.ML	B...		nt setpoint ...	34.08350754
XFEL.MAGNETS	MAGNET.ML	B...		nt setpoint	34.08350754

- magnet settings
- RF settings
- golden orbit
- ...

Sequencer / File catalog XFEL

file catalog filters

File Operator XFEL

File View Options Tools Tests Help

XFEL

Last file restored (or saved): 2018-06-19T10:07:16+02 (ID=18062) diff.= 2892

Machine File Catalog Sequence files Symbolic files Re-writable files

XFEL Catalog has 13479 files. With the following filters: 306 files listed in the table below. [hide filters](#) ☒ apply filters

FILTERS

[remove all filters](#)

Show with TYPE: ☐ temp ☒ normal ☒ reference ☒ special ☒ optics

Show with CLASSIFICATION: ☒ with errors ☒ without errors ☒ excellent

Show with: ☒ errors ☒ errors in writables

☐ Show newer than 01.January.2013

Search text (in Status):

Search text (in Comment):

Search text (in Authors):

Search text (in Category): sequencer

ID	Timestamp	Beamline	E [GeV]	λ [nm]	SASE [μ J]	Comment	File type	Authors	e-log link
17985	Mon 2018-06-18 21:20:01					DOE tests: SA1 lasing at 9.15 keV; 900 ...	normal	Froehlich, Negodin	
17959	Tue 2018-06-12 19:35:07					shift documentation, new setup 9.3keV, ...	normal	bsteffen	
17958	Tue 2018-06-12 17:00:27					Clean setup 14 GeV; SASE1 9.3 keV, 8...	normal	Scholz, Froehlich	
17929	Mon 2018-06-11 18:50:03					SASE1@7.3keV, 1.5mJ; SASE3@900e...	normal	Froehlich, Grecki, ...	
17920	Fri 2018-06-08 15:13:17					shift documentation	normal	tamras	
17900	Thu 2018-06-07 07:03:12					60bunch, 0.26nC, 14GeV, T4D trans., ...	normal	tam, mey	
17889	Wed 2018-06-06 06:32:13					30bunch, 0.26nC, 564kHz, 9.2keV, 1.25...	normal	tamras	
17873	Mon 2018-06-04 18:08:54					shift docu - 900uJ SASE1	normal	Brinker	
17794	Wed 2018-05-23 20:55:07					750mJ@10.5keV	reference	mscholz	
17679	Fri 2018-05-18 15:56:13					14 GeV, SASE1 900 uJ, SASE3 2 mJ, fr...	normal	Froehlich	
17663	Wed 2018-05-16 18:45:15					SASE1 2b, 850 mJ	normal		
17613	Mon 2018-05-14 17:54:37					2bunch, 275pC, 14GeV, SA1 1350 μ J, S...	normal	tam, kru	
17612	Mon 2018-05-14 09:41:40					30 bunches SASE1, 280 pC, 1.2 mJ, 9...	normal	mscholz	
17609	Sun 2018-05-13 07:07:57					30bunch, 275pC, T4D transmission, SA...	normal	kru, tam	
17592	Fri 2018-05-11 11:26:56					38bunch, 250pC, 14GeV, T4d transmis...	normal	tam, kru	
17585	Thu 2018-05-10 16:54:25		14.000			after adjusting pointing of SASE 3, lasin...	normal	Brinker	
17533	Sun 2018-05-06 23:27:20					1bunch, 250pC, SA1 260 μ J, 14GeV, 10...	normal	tamras	
17487	Thu 2018-05-03 16:43:50					23bunch, 250pC, 14GeV, SA1, SA2, S...	normal	tamras	
17482	Wed 2018-05-02 10:40:25					18bunch, 250pC, 14GeV, SA1 200 μ J, S...	normal	tamras	

SELECTED FROM TABLE

Selected file: ID= [RESTORE: selected file](#) [Machine](#) [WRITE into a symb. file](#)

Sequencer / File catalog XFEL

file catalog 'category filter'

File Operator XFEL

File View Options Tools Tests Help

XFEL

Last file restored (or saved): 2018-06-19T10:07:16+02 (ID=18062) diff.= 2892

Machine File Catalog Sequence files Symbolic files Re-writable files

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FILTERS

remove all filters

Show with TYPE: ☐ temp ☒ normal ☒ reference ☒ special ☒ optics

Show with CLASSIFICATION: ☒ with errors ☒ without errors ☒ excellent

Show with: ☒ errors ☒ errors in writables

☐ Show newer than 01.January.2013

Search text (in Status):

Search text (in Comment):

Search text (in Authors):

Search text (in Category):

ID	Timestamp	Beamline	E [GeV]	λ [nm]	SASE [μ J]	Comment	File type	Authors	e-log link
17985	Mon 2018-06-18 21:20:01					DOE tests: SA1 lasing at 9.15 keV; 900 ...	normal	Froehlich, Negodin	
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17958	Tue 2018-06-12 17:00:27					Clean setup 14 GeV; SASE1 9.3 keV, 8...	normal	Scholz, Froehlich	
17929	Mon 2018-06-11 18:50:03					SASE1@7.3keV, 1.5mJ; SASE3@900e...	normal	Froehlich, Grecki, ...	
17920	Fri 2018-06-08 15:13:17					shift documentation	normal	tamras	
17900	Thu 2018-06-07 07:03:12					60bunch, 0.26nC, 14GeV, T4D trans., ...	normal	tam, mey	
17889	Wed 2018-06-06 06:32:13					30bunch, 0.26nC, 564kHz, 9.2keV, 1.25...	normal	tamras	
17873	Mon 2018-06-04 18:08:54					shift docu - 900uJ SASE1	normal	Brinker	
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17663	Wed 2018-05-16 18:45:15					SASE1 2b, 850 mJ	normal		
17613	Mon 2018-05-14 17:54:37					2bunch, 275pC, 14GeV, SA1 1350 μ J, S...	normal	tam, kru	
17612	Mon 2018-05-14 09:41:40					30 bunches SASE1, 280 pC, 1.2 mJ, 9...	normal	mscholz	
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17533	Sun 2018-05-06 23:27:20					1bunch, 250pC, SA1 260 μ J, 14GeV, 10...	normal	tamras	
17487	Thu 2018-05-03 16:43:50					23bunch, 250pC, 14GeV, SA1, SA2, S...	normal	tamras	
17482	Wed 2018-05-02 10:40:25					18bunch, 250pC, 14GeV, SA1 200 μ J, S...	normal	tamras	

SELECTED FROM TABLE

Selected file: ID=

RESTORE: selected file

Sequencer / File catalog XFEL

file catalog 'category filter'

File Operator XFEL

File View Options Tools Tests Help

XFEL

Last file restored (or saved): 2018-06-19T10:07:16+02 (ID=18062) diff.= 2892

Machine File Catalog Sequence files Symbolic files Re-writable files

XFEL Catalog has 13479 files. With the following filters: 9529 files listed in the table below. [hide filters](#) ☒ apply filters

FILTERS

[remove all filters](#)

Show with TYPE: ☐ temp ☒ normal ☒ reference ☒ special ☒ optics

Show with CLASSIFICATION: ☒ with errors ☒ without errors ☒ excellent

Show with: ☒ errors ☒ errors in writables

☐ Show newer than 01.January.2013

Search text (in Status):

Search text (in Comment):

Search text (in Authors):

Search text (in Category):

ID	Timestamp	Beamline	E [GeV]	λ [nm]	SASE [μ J]	Comment	File type	Authors	e-log link
18074	Tue 2018-06-19 17:11:05					/home/xfeloper/data/Emittance_Monitor/...	special	EMGUI	
18073	Tue 2018-06-19 17:09:23					/home/xfeloper/data/Emittance_Monitor/...	special	EMGUI	
18072	Tue 2018-06-19 17:07:01					/home/xfeloper/data/Emittance_Monitor/...	special	EMGUI	
18071	Tue 2018-06-19 17:04:44					/home/xfeloper/data/Emittance_Monitor/...	special	EMGUI	
18070	Tue 2018-06-19 17:01:10					/home/xfeloper/data/Emittance_Monitor/...	special	EMGUI	
18069	Tue 2018-06-19 16:57:41					/home/xfeloper/data/Emittance_Monitor/...	special	EMGUI	
18068	Tue 2018-06-19 16:56:23					/home/xfeloper/data/Emittance_Monitor/...	special	EMGUI	
18067	Tue 2018-06-19 16:52:01					/home/xfeloper/data/Emittance_Monitor/...	special	EMGUI	
18066	Tue 2018-06-19 16:50:15					/home/xfeloper/data/Emittance_Monitor/...	special	EMGUI	
18065	Tue 2018-06-19 16:48:07					/home/xfeloper/data/Emittance_Monitor/...	special	EMGUI	
18064	Tue 2018-06-19 16:43:53					/home/xfeloper/data/Emittance_Monitor/...	special	EMGUI	
18063	Tue 2018-06-19 16:24:54					/home/xfeloper/data/Emittance_Monitor/...	special	EMGUI	
18060	Tue 2018-06-19 08:58:35					/home/xfeloper/data/Emittance_Monitor/...	special	EMGUI	
18059	Tue 2018-06-19 08:56:41					/home/xfeloper/data/Emittance_Monitor/...	special	EMGUI	
18058	Tue 2018-06-19 08:54:49					/home/xfeloper/data/Emittance_Monitor/...	special	EMGUI	
18057	Tue 2018-06-19 08:53:12					/home/xfeloper/data/Emittance_Monitor/...	special	EMGUI	
18056	Tue 2018-06-19 08:50:10					/home/xfeloper/data/Emittance_Monitor/...	special	EMGUI	
18055	Tue 2018-06-19 08:48:18					/home/xfeloper/data/Emittance_Monitor/...	special	EMGUI	
18054	Tue 2018-06-19 08:45:40					/home/xfeloper/data/Emittance_Monitor/...	special	EMGUI	

SELECTED FROM TABLE

Selected file: 2018-06-18T21:20:01+02 ID= 17985 **RESTORE: selected file → Machine** [WRITE into a symb. file](#)

Sequencer / File catalog XFEL

file catalog 'category filter'

category

File Operator XFEL

File View Options Tools Tests Help

XFEL

Last file restored (or saved): 2018-06-19T10:07:16+02 (ID=18062) diff.= 2892

Machine File Catalog

Sequence files

Symbolic files

Re-writable files

XFEL Catalog has 13479 files.

With the following filters: 9529 files listed in the table below.

hide filters

☒ apply filters

FILTERS

remove all filters

Show with TYPE: ☐ temp ☒ normal ☒ reference ☒ special ☒ optics

Show with CLASSIFICATION: ☒ with errors ☒ without errors ☒ excellent

Show with: ☒ errors ☒ errors in writables

☐ Show newer than 01.January.2013

Search text (in Status):

Search text (in Comment):

Search text (in Authors):

Search text (in Category):

ID	Timestamp	Beamline	E [GeV]	λ [nm]	SASE [μ J]	Comment	File type	Authors	e-log link	Category
18074	Tue 2018-06-19 17:11:05					/home/xfeloper/data/Emittance_Monito...	special	EMGUI		projected e...
18073	Tue 2018-06-19 17:09:23					/home/xfeloper/data/Emittance_Monito...	special	EMGUI		projected e...
18072	Tue 2018-06-19 17:07:01					/home/xfeloper/data/Emittance_Monito...	special	EMGUI		projected e...
18071	Tue 2018-06-19 17:04:44					/home/xfeloper/data/Emittance_Monito...	special	EMGUI		projected e...
18070	Tue 2018-06-19 17:01:10					/home/xfeloper/data/Emittance_Monito...	special	EMGUI		projected e...
18069	Tue 2018-06-19 16:57:41					/home/xfeloper/data/Emittance_Monito...	special	EMGUI		projected e...
18068	Tue 2018-06-19 16:56:23					/home/xfeloper/data/Emittance_Monito...	special	EMGUI		projected e...
18067	Tue 2018-06-19 16:52:01					/home/xfeloper/data/Emittance_Monito...	special	EMGUI		projected e...
18066	Tue 2018-06-19 16:50:15					/home/xfeloper/data/Emittance_Monito...	special	EMGUI		projected e...
18065	Tue 2018-06-19 16:48:07					/home/xfeloper/data/Emittance_Monito...	special	EMGUI		projected e...
18064	Tue 2018-06-19 16:43:53					/home/xfeloper/data/Emittance_Monito...	special	EMGUI		projected e...
18063	Tue 2018-06-19 16:24:54					/home/xfeloper/data/Emittance_Monito...	special	EMGUI		slice emitta...
18060	Tue 2018-06-19 08:58:35					/home/xfeloper/data/Emittance_Monito...	special	EMGUI		projected e...
18059	Tue 2018-06-19 08:56:41					/home/xfeloper/data/Emittance_Monito...	special	EMGUI		projected e...
18058	Tue 2018-06-19 08:54:49					/home/xfeloper/data/Emittance_Monito...	special	EMGUI		projected e...
18057	Tue 2018-06-19 08:53:12					/home/xfeloper/data/Emittance_Monito...	special	EMGUI		projected e...
18056	Tue 2018-06-19 08:50:10					/home/xfeloper/data/Emittance_Monito...	special	EMGUI		projected e...
18055	Tue 2018-06-19 08:48:18					/home/xfeloper/data/Emittance_Monito...	special	EMGUI		projected e...
18054	Tue 2018-06-19 08:45:40					/home/xfeloper/data/Emittance_Monito...	special	EMGUI		projected e...

SELECTED FROM TABLE

Selected file:

ID=

RESTORE: selected file → Machine

WRITE into a symb. file

Sequencer / File catalog XFEL

double click opens the contents and details

File Operator XFEL

File View Options Tools Tests Help

XFEL

Last file restored (or saved): 2018-06-19T10:07:16+02 (ID=18062) diff.= 2884

Machine File Catalog Sequence files Symbolic files Re-writable files

XFEL Catalog has 13479 files. With the following filters: 306 files listed in the table below. show filters ☒ apply filters

FILTERS

ID	Timestamp	Beamline	E [GeV]	λ [nm]	SASE [μ J]	Comment	File type	Authors	e-log link
17985	Mon 2018-06-18 21:20:01					DOE tests: SA1 lasing at 9.15 keV; 900 ...	normal	Froehlich, Negodin	
17959	Tue 2018-06-12 19:35:07					shift documentation, new setup 9.3keV, ...	normal	bsteffen	
17958	Tue 2018-06-12 17:00:27					Clean setup 14 GeV; SASE1 9.3 keV, 8...	normal	Scholz, Froehlich	
17929	Mon 2018-06-11 18:50:03					SASE1@7.3keV, 1.5mJ; SASE3@900e...	normal	Froehlich, Grecki, ...	
17920	Fri 2018-06-08 15:13:17					shift documentation	normal	tamras	
17900	Thu 2018-06-07 07:03:12					60bunch, 0.26nC, 14GeV, T4D trans, ...	normal	tam, mey	
17889	Wed 2018-06-06 06:32:13					30bunch, 0.26nC, 564kHz, 9.2keV, 1.25...	normal	tamras	
17873	Mon 2018-06-04 18:08:54					shift docu - 900uJ SASE1	normal	Brinker	
17794	Wed 2018-05-23 20:55:07					750mJ@10.5keV reference	reference	mscholz	
17679	Fri 2018-05-18 15:56:13					14 GeV, SASE1 900 uJ, SASE3 2 mJ, fr...	normal	Froehlich	
17666	Wed 2018-05-16 18:45:15					SASE1 25, 850 mJ	normal		
17613	Mon 2018-05-14 17:54:37					2bunch, 275pC, 14GeV, SA1 1350uJ, S...	normal	tam, kru	
17612	Mon 2018-05-14 09:41:40					30 bunches SASE1, 280 pC, 1.2 mJ, 9...	normal	mscholz	
17609	Sun 2018-05-13 07:07:57					30bunch, 275pC, T4D transmission, SA...	normal	kru, tam	
17592	Fri 2018-05-11 11:26:56					38bunch, 250pC, 14GeV, T4d transmis...	normal	tam, kru	
17585	Thu 2018-05-10 16:54:25		14.000			after adjusting pointing of SASE 3, lasi...	normal	Brinker	
17533	Sun 2018-05-06 23:27:20					1bunch, 250pC, SA1 260uJ, 14GeV, 10...	normal	tamras	
17487	Thu 2018-05-03 16:43:50					23bunch, 250pC, 14GeV, SA1, SA2, S...	normal	tamras	
17483	Wed 2018-05-02 19:42:35					18bunch, 250pC, 14GeV, SA1/208uJ, S...	normal	tamras	
17482	Wed 2018-05-02 17:18:39					all 3 beamlines with light on (9.2 KeV, 7...	normal		
17481	Wed 2018-05-02 15:38:01					18bunch, 250pC, 14GeV, SA1, SA2, SA...	normal	tamras	
17469	Tue 2018-05-01 11:58:33					1bunch, 250pC, B2D transmission, TDS...	normal	tamras	
17468	Tue 2018-05-01 07:11:23					1bunch, 250pC, 14GeV, 100% transmis...	normal	tamras	
17463	Mon 2018-04-30 14:22:45					1bunch, 250pC, 14GeV, 100% T5D tra...	normal	tamras	
17462	Mon 2018-04-30 12:12:32					250pC, 1bunch, 14GeV, 100% TLD, T5...	normal	tamras	
17461	Mon 2018-04-30 07:15:39					250pC, 1bunch, 14GeV T4D 100%trans...	normal		
16908	Tue 2018-04-03 22:25:21					end of run file, with these settings 500 b...	normal	dnoelle et al	
16790	Thu 2018-03-15 18:10:55					Beam to TLD and T4D, 14 GeV	normal	Froehlich	
16787	Thu 2018-03-15 11:33:06					beam in SASE 1 and 2	normal	bsteffen	

SELECTED FROM TABLE

Selected file: 2018-06-18T21:20:01+02 ID= 17985

RESTORE: selected file → Machine

WRITE into a symb. file

File content XFEL

parameter address

file value

File Operator XFEL

File Edit View Options Help

ID= 17985 Timestamp: 2018-06-18T21:20:01+02 Age: 2.8 days

Comment: DOE tests: SA1 lasing at 9.15 keV; 900 uJ Authors: Froehlich, Negodin

File type:

SECTION: ☒ ALL (8776) ☐ 'none' (3951) ☐ SASE1/3 branch (2599) ☐ SASE2 branch (2226)

SYSTEM-SET: ☒ ALL (8776) ☐ Solenoids (8) ☐ Dipoles (386) ☐ Multipoles (2240) ☐ Correctors (3060) ☐ MagnetMovers (198) ☐ Laser (1) ☐ RF (55) ☐ Feedbacks (1)

☐ Diag (2285) ☐ Undulators (364) ☐ UndulatorPhaseShifters (176)

All selected with 8776 data. 8776 data listed below. Show-level = 0 ☐ only writables Search in address: ☐ regex

Search text: in facility: in device: in location: in dev. property:

facility	device	location	dev. property	description	file value	device value	diff.	RBV	diff.to RBV
XFEL MAGNETS	MAGNET.ML	SOLA 23.I1	CURRENT.SP	current setpoint ...	21.00000000	0.00000000	-21.00000000	-0.00190735	-21.00190735
XFEL MAGNETS	MAGNET.ML	SOLB 23.I1	CURRENT.SP	current setpoint ...	353.19967651	0.00000000	-353.19967651	0.00686647	-353.19281005
XFEL MAGNETS	MAGNET.ML	SOLA 23.I1	PS_ON	true if the power ...	1	0	-1		
XFEL MAGNETS	MAGNET.ML	SOLB 23.I1	PS_ON	true if the power ...	1	0	-1		
XFEL MAGNETS	MAGNET.ML	SOLA 23.I1	MOMENTUM.NOSC...	momentum, not ...	6.80000000	6.80000000	0.00000000		
XFEL MAGNETS	MAGNET.ML	SOLB 23.I1	MOMENTUM.NOSC...	momentum, not ...	6.80000000	6.80000000	0.00000000		
XFEL MAGNETS	MAGNET.ML	SOLA 23.I1	KICK.SP	generalized kick ...	0.03703319	0.00000000	-0.03703319		
XFEL MAGNETS	MAGNET.ML	SOLB 23.I1	KICK.SP	generalized kick ...	0.93429352	0.00000000	-0.93429352		
XFEL MAGNETS	MAGNET.ML	BK 24.I1	CURRENT.SP	current setpoint ...	0.00000000	0.00000000	0.00000000	-0.00137329	-0.00137329
XFEL MAGNETS	MAGNET.ML	BL 48I.I1	CURRENT.SP	current setpoint ...	79.50912476	0.00000000	-79.50912476	-0.00953676	-79.51866152
XFEL MAGNETS	MAGNET.ML	BL 48II.I1	CURRENT.SP	current setpoint ...	79.50912476	0.00000000	-79.50912476	-0.00953676	-79.51866152
XFEL MAGNETS	MAGNET.ML	BL 50I.I1	CURRENT.SP	current setpoint ...	79.34057617	0.00000000	-79.34057617	-0.01373294	-79.35430911
XFEL MAGNETS	MAGNET.ML	BL 50II.I1	CURRENT.SP	current setpoint ...	80.15495300	0.00000000	-80.15495300	-0.01029970	-80.16525271
XFEL MAGNETS	MAGNET.ML	BB 62.I1D	CURRENT.SP	current setpoint ...	0.00000000	0.00000000	0.00000000	-0.04234322	-0.04234322
XFEL MAGNETS	MAGNET.ML	BL 73.I1	CURRENT.SP	current setpoint ...	88.93939209	0.00000000	-88.93939209	-0.00038147	-88.93977356
XFEL MAGNETS	MAGNET.ML	BL 75.I1	CURRENT.SP	current setpoint ...	34.08350754	0.00000000	-34.08350754	-0.02326970	-34.10677724
XFEL MAGNETS	MAGNET.ML	BL 76.I1	CURRENT.SP	current setpoint ...	34.08350754	0.00000000	-34.08350754	-0.02326970	-34.10677724

all listed values

8776 FILE values 8776 DEVICE values

415 5270 errors 1486

SP-RBV deviation

0 out of 0

tolerance [bits] = 5

selected values

0 FILE values selected 0 DEVICE values selected

Copy Restore

select all unselect

Next update 1 28 sec. update completed abort server reading Last update: 1 Jun 21 16:37:32 CEST 2018 age: 2 sec. update NOW

File content XFEL

parameter address

file value

present value

File Operator XFEL

File Edit View Options Help

ID= 17985 Timestamp: 2018-06-18T21:20:01+02 Age: 2.8 days

Comment: DOE tests: SA1 lasing at 9.15 keV; 900 uJ Authors: Froehlich, Negodin

File type:

SECTION: ☒ ALL (8776) ☐ 'none' (3951) ☐ SASE1/3 branch (2599) ☐ SASE2 branch (2226)

SYSTEM-SET: ☒ ALL (8776) ☐ Solenoids (8) ☐ Dipoles (386) ☐ Multipoles (2240) ☐ Correctors (3060) ☐ MagnetMovers (198) ☐ Laser (1) ☐ RF (55) ☐ Feedbacks (1)

☐ Diag (2285) ☐ Undulators (364) ☐ UndulatorPhaseShifters (176)

All selected with 8776 data. 8776 data listed below. Show-level = 0 ☐ only writables Search in address: ☐ regex

Search text: in facility: in device: in location: in dev. property:

facility	device	location	dev. property	description	file value	device value	diff.	RBV	diff.to RBV
XFEL MAGNETS	MAGNET.ML	SOLA 23.I1	CURRENT.SP	current setpoint ...	21.00000000	0.00000000	-21.00000000	-0.00190735	-21.00190735
XFEL MAGNETS	MAGNET.ML	SOLB 23.I1	CURRENT.SP	current setpoint ...	353.19967651	0.00000000	-353.19967651	0.00686647	-353.19281005
XFEL MAGNETS	MAGNET.ML	SOLA 23.I1	PS_ON	true if the power ...	1	0	-1		
XFEL MAGNETS	MAGNET.ML	SOLB 23.I1	PS_ON	true if the power ...	1	0	-1		
XFEL MAGNETS	MAGNET.ML	SOLA 23.I1	MOMENTUM.NOSC...	momentum, not ...	6.80000000	6.80000000	0.00000000		
XFEL MAGNETS	MAGNET.ML	SOLB 23.I1	MOMENTUM.NOSC...	momentum, not ...	6.80000000	6.80000000	0.00000000		
XFEL MAGNETS	MAGNET.ML	SOLA 23.I1	KICK.SP	generalized kick ...	0.03703319	0.00000000	-0.03703319		
XFEL MAGNETS	MAGNET.ML	SOLB 23.I1	KICK.SP	generalized kick ...	0.93429352	0.00000000	-0.93429352		
XFEL MAGNETS	MAGNET.ML	BK 24.I1	CURRENT.SP	current setpoint ...	0.00000000	0.00000000	0.00000000	-0.00137329	-0.00137329
XFEL MAGNETS	MAGNET.ML	BL 48I.I1	CURRENT.SP	current setpoint ...	79.50912476	0.00000000	-79.50912476	-0.00953676	-79.51866152
XFEL MAGNETS	MAGNET.ML	BL 48II.I1	CURRENT.SP	current setpoint ...	79.50912476	0.00000000	-79.50912476	-0.00953676	-79.51866152
XFEL MAGNETS	MAGNET.ML	BL 50I.I1	CURRENT.SP	current setpoint ...	79.34057617	0.00000000	-79.34057617	-0.01373294	-79.35430911
XFEL MAGNETS	MAGNET.ML	BL 50II.I1	CURRENT.SP	current setpoint ...	80.15495300	0.00000000	-80.15495300	-0.01029970	-80.16525271
XFEL MAGNETS	MAGNET.ML	BB 62.I1D	CURRENT.SP	current setpoint ...	0.00000000	0.00000000	0.00000000	-0.04234322	-0.04234322
XFEL MAGNETS	MAGNET.ML	BL 73.I1	CURRENT.SP	current setpoint ...	88.93939209	0.00000000	-88.93939209	-0.00038147	-88.93977356
XFEL MAGNETS	MAGNET.ML	BL 75.I1	CURRENT.SP	current setpoint ...	34.08350754	0.00000000	-34.08350754	-0.02326970	-34.10677724
XFEL MAGNETS	MAGNET.ML	BL 76.I1	CURRENT.SP	current setpoint ...	34.08350754	0.00000000	-34.08350754	-0.02326970	-34.10677724

all listed values

8776 FILE values 8776 DEVICE values

415 5270 errors 1486

SP-RBV deviation

0 out of 0

tolerance [bits] = 5

select all unselect

selected values

0 FILE values selected 0 DEVICE values selected

Copy Restore

Next update 1 28 sec. update completed abort server reading Last update: 1 Jun 21 16:37:32 CEST 2018 age: 2 sec. update NOW

File content XFEL

address

file value

present value

difference

File Operator XFEL

File Edit View Options Help

ID= 17985 Timestamp: 2018-06-18T21:20:01+02 Age: 2.8 days

Comment: DOE tests: SA1 lasing at 9.15 keV; 900 uJ Authors: F. Boehlich, Negodin

File type:

SECTION: ☒ ALL (8776) ☐ 'none' (3951) ☐ SASE1/3 branch (2599) ☐ SASE2 branch (2226)

SYSTEM-SET: ☒ ALL (8776) ☐ Solenoids (8) ☐ Dipoles (388) ☐ Multipoles (2240) ☐ Correctors (3060) ☐ MagnetMovers (198) ☐ Laser (1) ☐ RF (55) ☐ Feedbacks (1) ☐ Diag (2285) ☐ Undulators (364) ☐ UndulatorPhaseShifters (176)

All selected with 8776 data. 8776 data listed below. Show-level = 0 ☐ only writables Search in address: ☐ regex

Search text: in facility: in device: in location: in dev. properties:

facility	device	location	dev. property	description	file value	device value	diff.	RBV	diff.to RBV
XFEL MAGNETS	MAGNET.ML	SOLA 23.I1	CURRENT.SP	current setpoint ...	21.00000000	0.00000000	-21.00000000	-0.00190735	-21.00190735
XFEL MAGNETS	MAGNET.ML	SOLB 23.I1	CURRENT.SP	current setpoint ...	353.19967651	0.00000000	-353.19967651	0.00686647	-353.19281005
XFEL MAGNETS	MAGNET.ML	SOLA 23.I1	PS_ON	true if the power ...	1	0	-1		
XFEL MAGNETS	MAGNET.ML	SOLB 23.I1	PS_ON	true if the power ...	1	0	-1		
XFEL MAGNETS	MAGNET.ML	SOLA 23.I1	MOMENTUM.NOSC...	momentum, not ...	6.80000000	6.80000000	0.00000000		
XFEL MAGNETS	MAGNET.ML	SOLB 23.I1	MOMENTUM.NOSC...	momentum, not ...	6.80000000	6.80000000	0.00000000		
XFEL MAGNETS	MAGNET.ML	SOLA 23.I1	KICK.SP	generalized kick ...	0.03703319	0.00000000	-0.03703319		
XFEL MAGNETS	MAGNET.ML	SOLB 23.I1	KICK.SP	generalized kick ...	0.93429352	0.00000000	-0.93429352		
XFEL MAGNETS	MAGNET.ML	BK 24.I1	CURRENT.SP	current setpoint ...	0.00000000	0.00000000	0.00000000	-0.00137329	-0.00137329
XFEL MAGNETS	MAGNET.ML	BL 48I.I1	CURRENT.SP	current setpoint ...	79.50912476	0.00000000	-79.50912476	-0.00953676	-79.51866152
XFEL MAGNETS	MAGNET.ML	BL 48II.I1	CURRENT.SP	current setpoint ...	79.50912476	0.00000000	-79.50912476	-0.00953676	-79.51866152
XFEL MAGNETS	MAGNET.ML	BL 50I.I1	CURRENT.SP	current setpoint ...	79.34057617	0.00000000	-79.34057617	-0.01373294	-79.35430911
XFEL MAGNETS	MAGNET.ML	BL 50II.I1	CURRENT.SP	current setpoint ...	80.15495300	0.00000000	-80.15495300	-0.01029970	-80.16525271
XFEL MAGNETS	MAGNET.ML	BB 62.I1D	CURRENT.SP	current setpoint ...	0.00000000	0.00000000	0.00000000	-0.04234322	-0.04234322
XFEL MAGNETS	MAGNET.ML	BL 73.I1	CURRENT.SP	current setpoint ...	88.93939209	0.00000000	-88.93939209	-0.00038147	-88.93977356
XFEL MAGNETS	MAGNET.ML	BL 75.I1	CURRENT.SP	current setpoint ...	34.08350754	0.00000000	-34.08350754	-0.02326970	-34.10677724
XFEL MAGNETS	MAGNET.ML	BL 76.I1	CURRENT.SP	current setpoint ...	34.08350754	0.00000000	-34.08350754	-0.02326970	-34.10677724

all listed values

8776 FILE values 8776 DEVICE values

415 5270 errors 1486

SP-RBV deviation

0 out of 0

tolerance [bits] = 5

select all unselect

selected values

0 FILE values selected 0 DEVICE values selected

Copy Restore

Next update 1 28 sec. update completed abort server reading Last update: 1 Jun 21 16:37:32 CEST 2018 age: 2 sec. update NOW

File content XFEL

overview differences

difference

File Operator XFEL

File Edit View Options Help

ID= 17985 Timestamp: 2018-06-18T21:20:01+02 Age: 2.8 days

Comment: DOE tests: SA1 lasing at 9.15 keV; 900 uJ Authors: Froehlich, Negodin

File type:

SECTION: ☒ ALL (8776) ☐ 'none' (3951) ☐ SASE1/3 branch (2599) ☐ SASE2 branch (2226)

SYSTEM-SET: ☒ ALL (8776) ☐ Solenoids (8) ☐ Dipoles (388) ☐ Multipoles (2240) ☐ Correctors (3060) ☐ MagnetMovers (198) ☐ Laser (1) ☐ RF (55) ☐ Feedbacks (1)

☐ Diag (2285) ☐ Undulators (364) ☐ UndulatorPhaseShifters (176)

All selected with 8776 data. 8776 data listed below. Show-level = 0 ☐ only writables Search in address: ☐ regex

Search text: in facility: in device: in location: in dev. properties:

facility	device	location	dev. property	description	file value	device value	diff.	RBV	diff.to RBV
XFEL MAGNETS	MAGNET.ML	SOLA 23.11	CURRENT.SP	current setpoint ...	21.00000000	0.00000000	-21.00000000	-0.00190735	-21.00190735
XFEL MAGNETS	MAGNET.ML	SOLB 23.11	CURRENT.SP	current setpoint ...	353.19967651	0.00000000	-353.19967651	0.00686647	-353.19281005
XFEL MAGNETS	MAGNET.ML	SOLA 23.11	PS_ON	true if the power ...	1	0	-1		
XFEL MAGNETS	MAGNET.ML	SOLB 23.11	PS_ON	true if the power ...	1	0	-1		
XFEL MAGNETS	MAGNET.ML	SOLA 23.11	MOMENTUM.NOSC...	momentum, not ...	6.80000000	6.80000000	0.00000000		
XFEL MAGNETS	MAGNET.ML	SOLB 23.11	MOMENTUM.NOSC...	momentum, not ...	6.80000000	6.80000000	0.00000000		
XFEL MAGNETS	MAGNET.ML	SOLA 23.11	KICK.SP	generalized kick ...	0.03703319	0.00000000	-0.03703319		
XFEL MAGNETS	MAGNET.ML	SOLB 23.11	KICK.SP	generalized kick ...	0.93429352	0.00000000	-0.93429352		
XFEL MAGNETS	MAGNET.ML	BK 24.11	CURRENT.SP	current setpoint ...	0.00000000	0.00000000	0.00000000	-0.00137329	-0.00137329
XFEL MAGNETS	MAGNET.ML	BL 48I.11	CURRENT.SP	current setpoint ...	79.50912476	0.00000000	-79.50912476	-0.00953676	-79.51866152
XFEL MAGNETS	MAGNET.ML	BL 48II.11	CURRENT.SP	current setpoint ...	79.50912476	0.00000000	-79.50912476	-0.00953676	-79.51866152
XFEL MAGNETS	MAGNET.ML	BL 50I.11	CURRENT.SP	current setpoint ...	79.34057617	0.00000000	-79.34057617	-0.01373294	-79.35430911
XFEL MAGNETS	MAGNET.ML	BL 50II.11	CURRENT.SP	current setpoint ...	80.15495300	0.00000000	-80.15495300	-0.01029970	-80.16525271
XFEL MAGNETS	MAGNET.ML	BB 62.1D	CURRENT.SP	current setpoint ...	0.00000000	0.00000000	0.00000000	-0.04234322	-0.04234322
XFEL MAGNETS	MAGNET.ML	BL 73.11	CURRENT.SP	current setpoint ...	88.93939209	0.00000000	-88.93939209	-0.00038147	-88.93977356
XFEL MAGNETS	MAGNET.ML	BL 75.11	CURRENT.SP	current setpoint ...	34.08350754	0.00000000	-34.08350754	-0.02326970	-34.10677724
XFEL MAGNETS	MAGNET.ML	BL 76.11	CURRENT.SP	current setpoint ...	34.08350754	0.00000000	-34.08350754	-0.02326970	-34.10677724

all listed values

8776 FILE values 8776 DEVICE values

415 errors 1486

SP-RBV deviation

0 out of 0

tolerance [bits] = 5

selected values

0 FILE values selected 0 DEVICE values selected

select all unselect Copy Restore

Next update 1 28 sec. update completed abort server reading Last update: 1 Jun 21 16:37:32 CEST 2018 age: 2 sec. update NOW

File content XFEL

filters: system-sets, 'show-level', writables, ...

File Operator XFEL

File Edit View Options Help

ID= 17985 Timestamp: 2018-06-18T21:20:01+02 Age: 2.8 days

Comment: DOE tests: SA1 lasing at 9.15 keV; 900 uJ Authors: Froehlich, Negodin

File type:

SECTION: ☒ ALL (8776) ☐ 'none' (3951) ☐ SASE1/3 branch (2599) ☐ SASE2 branch (2226)

SYSTEM-SET: ☒ ALL (8776) ☐ Solenoids (8) ☐ Dipoles (388) ☐ Multipoles (2240) ☐ Correctors (3060) ☐ MagnetMovers (198) ☐ Laser (1) ☐ RF (55) ☐ Feedbacks (1)

☐ Diag (2285) ☐ Undulators (364) ☐ UndulatorPhaseShifters (176)

All selected with 8776 data. 8776 data listed below. Show-level = 0 ☐ only writables Search in address: ☐ regex

Search text: in facility: in device: in location: in dev. property:

facility	device	location	dev. property	description	file value	device value	diff.	RBV	diff.to RBV
XFEL.MAGNETS	MAGNET.ML	SOLA 23.I1	CURRENT.SP	current setpoint ...	21.00000000	0.00000000	-21.00000000	-0.00190735	-21.00190735
XFEL.MAGNETS	MAGNET.ML	SOLB 23.I1	CURRENT.SP	current setpoint ...	353.19967651	0.00000000	-353.19967651	0.00686647	-353.19281005
XFEL.MAGNETS	MAGNET.ML	SOLA 23.I1	PS_ON	true if the power ...	1	0	-1		
XFEL.MAGNETS	MAGNET.ML	SOLB 23.I1	PS_ON	true if the power ...	1	0	-1		
XFEL.MAGNETS	MAGNET.ML	SOLA 23.I1	MOMENTUM.NOSC...	momentum, not ...	6.80000000	6.80000000	0.00000000		
XFEL.MAGNETS	MAGNET.ML	SOLB 23.I1	MOMENTUM.NOSC...	momentum, not ...	6.80000000	6.80000000	0.00000000		
XFEL.MAGNETS	MAGNET.ML	SOLA 23.I1	KICK.SP	generalized kick ...	0.03703319	0.00000000	-0.03703319		
XFEL.MAGNETS	MAGNET.ML	SOLB 23.I1	KICK.SP	generalized kick ...	0.93429352	0.00000000	-0.93429352		
XFEL.MAGNETS	MAGNET.ML	BK 24.I1	CURRENT.SP	current setpoint ...	0.00000000	0.00000000	0.00000000	-0.00137329	-0.00137329
XFEL.MAGNETS	MAGNET.ML	BL 48I.I1	CURRENT.SP	current setpoint ...	79.50912476	0.00000000	-79.50912476	-0.00953676	-79.51866152
XFEL.MAGNETS	MAGNET.ML	BL 48II.I1	CURRENT.SP	current setpoint ...	79.50912476	0.00000000	-79.50912476	-0.00953676	-79.51866152
XFEL.MAGNETS	MAGNET.ML	BL 50I.I1	CURRENT.SP	current setpoint ...	79.34057617	0.00000000	-79.34057617	-0.01373294	-79.35430911
XFEL.MAGNETS	MAGNET.ML	BL 50II.I1	CURRENT.SP	current setpoint ...	80.15495300	0.00000000	-80.15495300	-0.01029970	-80.16525271
XFEL.MAGNETS	MAGNET.ML	BB 62.I1D	CURRENT.SP	current setpoint ...	0.00000000	0.00000000	0.00000000	-0.04234322	-0.04234322
XFEL.MAGNETS	MAGNET.ML	BL 73.I1	CURRENT.SP	current setpoint ...	88.93939209	0.00000000	-88.93939209	-0.00038147	-88.93977356
XFEL.MAGNETS	MAGNET.ML	BL 75.I1	CURRENT.SP	current setpoint ...	34.08350754	0.00000000	-34.08350754	-0.02326970	-34.10677724
XFEL.MAGNETS	MAGNET.ML	BL 76.I1	CURRENT.SP	current setpoint ...	34.08350754	0.00000000	-34.08350754	-0.02326970	-34.10677724

all listed values

8776 FILE values 415

di... 5270

8776 DEVICE values 1486

errors

SP-RBV deviation

0 out of 0

tolerance [bits] = 5

selected values

0 FILE values selected

Copy

Restore

0 DEVICE values selected

select all

unselect

Next update 1 28 sec. update completed

abort server reading

Last update: 1 Jun 21 16:37:32 CEST 2018 age: 2 sec.

update NOW

File content XFEL

filters: system-sets='Correctors'

File Operator XFEL

File Edit View Options Help

ID= 17985 Timestamp: 2018-06-18T21:20:01+02 Age: 6.7 days

Comment: DOE tests: SA1 lasing at 9.15 keV; 900 uJ Authors: Froehlich, Negodin

File type:

SECTION: ☒ ALL (8776) ☐ 'none' (3951) ☐ SASE1/3 branch (2599) ☐ SASE2 branch (2226)

SYSTEM-SET: ☐ ALL (8776) ☐ Solenoids (8) ☐ Dipoles (388) ☐ Multipoles (2240) ☒ Correctors (3060) ☐ MagnetMovers (198) ☐ Laser (1) ☐ RF (55) ☐ Feedbacks (1)

☐ Undulators (364) ☐ UndulatorPhaseShifters (176)

1 system-set selected with 3060 data. 3060 data listed below. Show-level = 0 ☐ only writables Search in address: ☐ regex

Search text: in facility: in device: in location: in dev. property:

facility	device	location	dev. property	description	file value	device value	diff.	RBV	diff.to RBV
XFEL.MAGNETS	MAGNET.ML	CKX.23.I1	CURRENT.SP	current setpoint ...	1.12232304	0.00000000	-1.12232304	-0.00032187	-1.12264490
XFEL.MAGNETS	MAGNET.ML	CKY.23.I1	CURRENT.SP	current setpoint ...	2.98953485	0.00000000	-2.98953485	-0.00033617	-2.98987103
XFEL.MAGNETS	MAGNET.ML	CKX.24.I1	CURRENT.SP	current setpoint ...	0.85000002	0.00000000	-0.85000002	-0.00030756	-0.85030758
XFEL.MAGNETS	MAGNET.ML	CKY.24.I1	CURRENT.SP	current setpoint ...	2.32699990	0.00000000	-2.32699990	-0.00079632	-2.32779622
XFEL.MAGNETS	MAGNET.ML	CKX.25.I1	CURRENT.SP	current setpoint ...	0.00000000	0.00000000	0.00000000	-0.00040770	-0.00040770
XFEL.MAGNETS	MAGNET.ML	CKY.25.I1	CURRENT.SP	current setpoint ...	0.00000000	0.00000000	0.00000000	-0.00047922	-0.00047922
XFEL.MAGNETS	MAGNET.ML	CY.37.I1	CURRENT.SP	current setpoint ...	0.06797803	0.00000000	-0.06797803	0.00205994	-0.06591809
XFEL.MAGNETS	MAGNET.ML	CX.37.I1	CURRENT.SP	current setpoint ...	0.03273017	0.00000000	-0.03273017	-0.00274659	-0.03547675
XFEL.MAGNETS	MAGNET.ML	CY.39.I1	CURRENT.SP	current setpoint ...	-0.10690549	0.00000000	0.10690549	0.00091553	0.10782102
XFEL.MAGNETS	MAGNET.ML	CX.39.I1	CURRENT.SP	current setpoint ...	0.79555476	0.00000000	-0.79555476	0.00022888	-0.79532587
XFEL.MAGNETS	MAGNET.ML	CIY.51.I1	CURRENT.SP	current setpoint ...	-0.13041462	0.00000000	0.13041462	0.00008821	0.13050283
XFEL.MAGNETS	MAGNET.ML	CIX.51.I1	CURRENT.SP	current setpoint ...	0.00971351	0.00000000	-0.00971351	-0.00016689	-0.00988040
XFEL.MAGNETS	MAGNET.ML	CIY.55.I1	CURRENT.SP	current setpoint ...	-0.02618911	0.00000000	0.02618911	0.00014424	0.02633336
XFEL.MAGNETS	MAGNET.ML	CIX.57.I1	CURRENT.SP	current setpoint ...	-0.09820218	0.00000000	0.09820218	-0.00003695	0.09816522
XFEL.MAGNETS	MAGNET.ML	CIY.58.I1	CURRENT.SP	current setpoint ...	0.02393392	0.00000000	-0.02393392	0.00012517	-0.02380875
XFEL.MAGNETS	MAGNET.ML	CBB.62.I1D	CURRENT.SP	current setpoint ...	0.60196036	0.00000000	-0.60196036	-0.00194550	-0.60390586
XFEL.MAGNETS	MAGNET.ML	CIY.63.I1	CURRENT.SP	current setpoint ...	-0.24627872	0.00000000	0.24627872	-0.00009418	0.24618454

all listed values

3060 FILE values 0

di... 1390 errors

3060 DEVICE values 0

SP-RBV deviation

0 out of 0

tolerance [bits] = 5

selected values

0 FILE values selected

Copy

Restore

0 DEVICE values selected

Next update 1 28 sec. update completed abort server reading Last update: 1 Jun 25 15:04:44 CEST 2018 age: 2 sec. update NOW

File content XFEL

filters: system-sets='Correctors'

File Operator XFEL

File Edit View Options Help

ID= 17985 Timestamp: 2018-06-18T21:20:01+02 Age: 6.7 days

Comment: DOE tests: SA1 lasing at 9.15 keV; 900 uJ Authors: Froehlich, Negodin

File type:

SECTION: ☒ ALL (8776) ☐ 'none' (3951) ☐ SASE1/3 branch (2599) ☐ SASE2 branch (2226)

SYSTEM-SET: ☐ ALL (8776) ☐ Solenoids (8) ☐ Dipoles (388) ☐ Multipoles (2240) ☒ Correctors (3060) ☐ MagnetMovers (198) ☐ Laser (1) ☐ RF (55) ☐ Feedbacks (1) ☐ Undulators (364) ☐ UndulatorPhaseShifters (176)

1 system-set selected with 3060 data. 3060 data listed below. Show-level = 0 ☐ only writables Search in address: ☐ regex

Search text: in facility: in device: in location: in dev. property:

facility	device	location	dev. property	description	file value	device value	diff.	RBV	
XFEL MAGNETS	MAGNET.ML	CKX.23.I1	CURRENT.SP	current setpoint ...	1.12232304	0.00000000	-1.12232304	-0.00032187	(all)
XFEL MAGNETS	MAGNET.ML	CKY.23.I1	CURRENT.SP	current setpoint ...	2.98953485	0.00000000	-2.98953485	-0.00033379	CURRENT.SP
XFEL MAGNETS	MAGNET.ML	CKX.24.I1	CURRENT.SP	current setpoint ...	0.85000002	0.00000000	-0.85000002	-0.00031233	KICK.SP
XFEL MAGNETS	MAGNET.ML	CKY.24.I1	CURRENT.SP	current setpoint ...	2.32699990	0.00000000	-2.32699990	-0.00080824	MOMENTUM.NOSC
XFEL MAGNETS	MAGNET.ML	CKX.25.I1	CURRENT.SP	current setpoint ...	0.00000000	0.00000000	0.00000000	-0.00041008	PS_ON
XFEL MAGNETS	MAGNET.ML	CKY.25.I1	CURRENT.SP	current setpoint ...	0.00000000	0.00000000	0.00000000	-0.00047684	
XFEL MAGNETS	MAGNET.ML	CY.37.I1	CURRENT.SP	current setpoint ...	0.06797803	0.00000000	-0.06797803	0.00205994	
XFEL MAGNETS	MAGNET.ML	CX.37.I1	CURRENT.SP	current setpoint ...	0.03273017	0.00000000	-0.03273017	-0.00274659	
XFEL MAGNETS	MAGNET.ML	CY.39.I1	CURRENT.SP	current setpoint ...	-0.10690549	0.00000000	0.10690549	0.00091553	
XFEL MAGNETS	MAGNET.ML	CX.39.I1	CURRENT.SP	current setpoint ...	0.79555476	0.00000000	-0.79555476	0.00022888	
XFEL MAGNETS	MAGNET.ML	CIY.51.I1	CURRENT.SP	current setpoint ...	-0.13041462	0.00000000	0.13041462	0.00009298	
XFEL MAGNETS	MAGNET.ML	CIX.51.I1	CURRENT.SP	current setpoint ...	0.00971351	0.00000000	-0.00971351	-0.00017047	
XFEL MAGNETS	MAGNET.ML	CIY.55.I1	CURRENT.SP	current setpoint ...	-0.02618911	0.00000000	0.02618911	0.00014544	
XFEL MAGNETS	MAGNET.ML	CIX.57.I1	CURRENT.SP	current setpoint ...	-0.09820218	0.00000000	0.09820218	-0.00003934	
XFEL MAGNETS	MAGNET.ML	CIY.58.I1	CURRENT.SP	current setpoint ...	0.02393392	0.00000000	-0.02393392	0.00012875	
XFEL MAGNETS	MAGNET.ML	CBB.62.I1D	CURRENT.SP	current setpoint ...	0.60196036	0.00000000	-0.60196036	-0.00434876	
XFEL MAGNETS	MAGNET.ML	CIY.63.I1	CURRENT.SP	current setpoint ...	-0.24627872	0.00000000	0.24627872	-0.00009298	

all listed values 3060 FILE values 1390 3060 DEVICE values errors 0

SP-RBV deviation 0 out of 0 tolerance [bits] = 5

selected values 0 FILE values selected 0 DEVICE values selected

Next update in 0 sec. updating abort server reading Last update: 1 Jun 25 15:06:26 CEST 2018 age: 31 sec. update NOW

File content XFEL

filters: system-sets='Correctors' AND property='KICK.SP'

File Operator XFEL

File Edit View Options Help

ID= 17985 Timestamp: 2018-06-18T21:20:01+02 Age: 6.7 days

Comment: DOE tests: SA1 lasing at 9.15 keV; 900 uJ Authors: Froehlich, Negodin

File type:

SECTION: ☒ ALL (8776) ☐ 'none' (3951) ☐ SASE1/3 branch (2599) ☐ SASE2 branch (2226)

SYSTEM-SET: ☐ ALL (8776) ☐ Solenoids (8) ☐ Dipoles (388) ☐ Multipoles (2240) ☒ Correctors (3060) ☐ MagnetMovers (198) ☐ Laser (1) ☐ RF (55) ☐ Feedbacks (1) ☐ Undulators (364) ☐ UndulatorPhaseShifters (176)

1 system-set selected with 3060 data. 765 data listed below. Show-level = 0 ☐ only writables Search in address: ☐ regex

Search text: in facility: in device: in location: in dev. property: KICK.SP

facility	device	location	dev. property	description	file value	device value	diff.	RBV	diff.to RBV
XFEL.MAGNETS	MAGNET.ML	CKX.23.11	KICK.SP	generalized kick ...	0.00042058	0.00000000	-0.00042058		
XFEL.MAGNETS	MAGNET.ML	CKY.23.11	KICK.SP	generalized kick ...	0.00112030	0.00000000	-0.00112030		
XFEL.MAGNETS	MAGNET.ML	CKX.24.11	KICK.SP	generalized kick ...	0.00031853	0.00000000	-0.00031853		
XFEL.MAGNETS	MAGNET.ML	CKY.24.11	KICK.SP	generalized kick ...	0.00087202	0.00000000	-0.00087202		
XFEL.MAGNETS	MAGNET.ML	CKX.25.11	KICK.SP	generalized kick ...	0.00000000	0.00000000	0.00000000		
XFEL.MAGNETS	MAGNET.ML	CKY.25.11	KICK.SP	generalized kick ...	0.00000000	0.00000000	0.00000000		
XFEL.MAGNETS	MAGNET.ML	CY.37.11	KICK.SP	generalized kick ...	0.00002416	0.00000000	-0.00002416		
XFEL.MAGNETS	MAGNET.ML	CX.37.11	KICK.SP	generalized kick ...	0.00001148	0.00000000	-0.00001148		
XFEL.MAGNETS	MAGNET.ML	CY.39.11	KICK.SP	generalized kick ...	-0.00003800	0.00000000	0.00003800		
XFEL.MAGNETS	MAGNET.ML	CX.39.11	KICK.SP	generalized kick ...	0.00027896	0.00000000	-0.00027896		
XFEL.MAGNETS	MAGNET.ML	CIY.51.11	KICK.SP	generalized kick ...	-0.00021370	0.00000000	0.00021370		
XFEL.MAGNETS	MAGNET.ML	CIX.51.11	KICK.SP	generalized kick ...	0.00001591	0.00000000	-0.00001591		
XFEL.MAGNETS	MAGNET.ML	CIY.55.11	KICK.SP	generalized kick ...	-0.00004290	0.00000000	0.00004290		
XFEL.MAGNETS	MAGNET.ML	CIX.57.11	KICK.SP	generalized kick ...	-0.00016090	0.00000000	0.00016090		
XFEL.MAGNETS	MAGNET.ML	CIY.58.11	KICK.SP	generalized kick ...	0.00003920	0.00000000	-0.00003920		
XFEL.MAGNETS	MAGNET.ML	CBB.62.11D	KICK.SP	generalized kick ...	0.00186493	0.00000000	-0.00186493		
XFEL.MAGNETS	MAGNET.ML	CIY.63.11	KICK.SP	generalized kick ...	-0.00040370	0.00000000	0.00040370		

all listed values: 765 FILE values, 765 DEVICE values, 323 errors

SP-RBV deviation: 0 out of 0, tolerance [bits] = 5

selected values: 0 FILE values selected, 0 DEVICE values selected

Next update: 17 sec. update completed abort server reading Last update: 1 Jun 25 15:09:09 CEST 2018 age: 14 sec. update NOW

File content XFEL

item selection and copy-restore buttons

File Operator XFEL

File Edit View Options Help

ID= 17985 Timestamp: 2018-06-18T21:20:01+02 Age: 6.7 days

Comment: DOE tests: SA1 lasing at 9.15 keV; 900 uJ Authors: Froehlich, Negodin

File type:

SECTION: ☒ ALL (8776) ☐ 'none' (3951) ☐ SASE1/3 branch (2599) ☐ SASE2 branch (2226)

SYSTEM-SET: ☐ ALL (8776) ☐ Solenoids (8) ☐ Dipoles (388) ☐ Multipoles (2240) ☒ Correctors (3060) ☐ MagnetMovers (198) ☐ Laser (1) ☐ RF (55) ☐ Feedbacks (1) ☐ Undulators (364) ☐ UndulatorPhaseShifters (176)

1 system-set selected with 3060 data. 765 data listed below. Show-level = 0 ☐ only writables Search in address: ☐ regex

Search text: in facility: in device: in location: in dev. property: KICK.SP

facility	device	location	dev. property	description	file value	device value	diff.	RBV	diff.to RBV
XFEL MAGNETS	MAGNET.ML	CKX.23.I1	KICK.SP	generalized kick ...	0.00042058	0.00000000	-0.00042058		
XFEL MAGNETS	MAGNET.ML	CKY.23.I1	KICK.SP	generalized kick ...	0.00112030	0.00000000	-0.00112030		
XFEL MAGNETS	MAGNET.ML	CKX.24.I1	KICK.SP	generalized kick ...	0.00031853	0.00000000	-0.00031853		
XFEL MAGNETS	MAGNET.ML	CKY.24.I1	KICK.SP	generalized kick ...	0.00087202	0.00000000	-0.00087202		
XFEL MAGNETS	MAGNET.ML	CKX.25.I1	KICK.SP	generalized kick ...	0.00000000	0.00000000	0.00000000		
XFEL MAGNETS	MAGNET.ML	CKY.25.I1	KICK.SP	generalized kick ...	0.00000000	0.00000000	0.00000000		
XFEL MAGNETS	MAGNET.ML	CY.37.I1	KICK.SP	generalized kick ...	0.00002416	0.00000000	-0.00002416		
XFEL MAGNETS	MAGNET.ML	CX.37.I1	KICK.SP	generalized kick ...	0.00001148	0.00000000	-0.00001148		
XFEL MAGNETS	MAGNET.ML	CY.39.I1	KICK.SP	generalized kick ...	-0.00003800	0.00000000	0.00003800		
XFEL MAGNETS	MAGNET.ML	CX.39.I1	KICK.SP	generalized kick ...	0.00027896	0.00000000	-0.00027896		
XFEL MAGNETS	MAGNET.ML	CIY.51.I1	KICK.SP	generalized kick ...	-0.00021370	0.00000000	0.00021370		
XFEL MAGNETS	MAGNET.ML	CIX.51.I1	KICK.SP	generalized kick ...	0.00001591	0.00000000	-0.00001591		
XFEL MAGNETS	MAGNET.ML	CIY.55.I1	KICK.SP	generalized kick ...	-0.00004290	0.00000000	0.00004290		
XFEL MAGNETS	MAGNET.ML	CIX.57.I1	KICK.SP	generalized kick ...	-0.00016090	0.00000000	0.00016090		
XFEL MAGNETS	MAGNET.ML	CIY.58.I1	KICK.SP	generalized kick ...	0.00003920	0.00000000	-0.00003920		
XFEL MAGNETS	MAGNET.ML	CBB.62.I1D	KICK.SP	generalized kick ...	0.00186493	0.00000000	-0.00186493		
XFEL MAGNETS	MAGNET.ML	CIY.63.I1	KICK.SP	generalized kick ...	-0.00040370	0.00000000	0.00040370		

all listed values

765 FILE values di... 765 DEVICE values

0 errors

SP-RBV deviation

0 out of 0

tolerance [bits] = 5

selected values

0 FILE values selected 0 DEVICE values selected

Next update 17 sec. update completed abort server reading Last update: 1 Jun 25 15:09:09 CEST 2018 age: 14 sec. update NOW

File content XFEL

restore button

File Operator XFEL

File Edit View Options Help

ID= 17985 Timestamp: 2018-06-18T21:20:01+02 Age: 6.7 days

Comment: DOE tests: SA1 lasing at 9.15 keV; 900 uJ Authors: Froehlich, Negodin

File type:

SECTION: ☒ ALL (8776) ☐ 'none' (3951) ☐ SASE1/3 branch (2599) ☐ SASE2 branch (2226)

SYSTEM-SET: ☐ ALL (8776) ☐ Solenoids (8) ☐ Dipoles (388) ☐ Multipoles (2240) ☒ Correctors (3060) ☐ MagnetMovers (198) ☐ Laser (1) ☐ RF (55) ☐ Feedbacks (1) ☐ Undulators (364) ☐ UndulatorPhaseShifters (176)

1 system-set selected with 3060 data. 765 data listed below. Show-level = 0 ☐ only writables Search in address: ☐ regex

Search text: in facility: in device: in location: in dev. property: KICK.SP

facility	device	location	dev. property	description	file value	device value	diff.	RBV	diff.to RBV
XFEL MAGNETS	MAGNET.ML	CKX.23.I1	KICK.SP	generalized kick ...	0.00042058	0.00000000	-0.00042058		
XFEL MAGNETS	MAGNET.ML	CKY.23.I1	KICK.SP	generalized kick ...	0.00112030	0.00000000	-0.00112030		
XFEL MAGNETS	MAGNET.ML	CKX.24.I1	KICK.SP	generalized kick ...	0.00031853	0.00000000	-0.00031853		
XFEL MAGNETS	MAGNET.ML	CKY.24.I1	KICK.SP	generalized kick ...	0.00087202	0.00000000	-0.00087202		
XFEL MAGNETS	MAGNET.ML	CKX.25.I1	KICK.SP	generalized kick ...	0.00000000	0.00000000	0.00000000		
XFEL MAGNETS	MAGNET.ML	CKY.25.I1	KICK.SP	generalized kick ...	0.00000000	0.00000000	0.00000000		
XFEL MAGNETS	MAGNET.ML	CY.37.I1	KICK.SP	generalized kick ...	0.00002416	0.00000000	-0.00002416		
XFEL MAGNETS	MAGNET.ML	CX.37.I1	KICK.SP	generalized kick ...	0.00001148	0.00000000	-0.00001148		
XFEL MAGNETS	MAGNET.ML	CY.39.I1	KICK.SP	generalized kick ...	-0.00003800	0.00000000	0.00003800		
XFEL MAGNETS	MAGNET.ML	CX.39.I1	KICK.SP	generalized kick ...	0.00027896	0.00000000	-0.00027896		
XFEL MAGNETS	MAGNET.ML	CIY.51.I1	KICK.SP	generalized kick ...	-0.00021370	0.00000000	0.00021370		
XFEL MAGNETS	MAGNET.ML	CIX.51.I1	KICK.SP	generalized kick ...	0.000011591	0.00000000	-0.000011591		
XFEL MAGNETS	MAGNET.ML	CIY.55.I1	KICK.SP	generalized kick ...	-0.00004290	0.00000000	0.00004290		
XFEL MAGNETS	MAGNET.ML	CIX.57.I1	KICK.SP	generalized kick ...	-0.00016090	0.00000000	0.00016090		
XFEL MAGNETS	MAGNET.ML	CIY.58.I1	KICK.SP	generalized kick ...	0.00003920	0.00000000	-0.00003920		
XFEL MAGNETS	MAGNET.ML	CBB.62.I1D	KICK.SP	generalized kick ...	0.00186493	0.00000000	-0.00186493		
XFEL MAGNETS	MAGNET.ML	CIY.63.I1	KICK.SP	generalized kick ...	-0.00040370	0.00000000	0.00040370		

all listed values

765 FILE values 765 DEVICE values

di... 323 errors

SP-RBV deviation

0 out of 0 tolerance [bits] = 5

select all unselect

selected values

765 FILE values selected 765 DEVICE values selected

Copy Restore

Next update in 1 sec. update completed abort server reading Last update: 1 Jun 25 15:14:20 CEST 2018 age: 30 sec. update NOW

File content XFEL

restore all button

File Operator XFEL: Restore Overview

timestamp: 2018-06-18T21_20_01+02 has 765 values. Comment: DOE tests: SA1 lasing at 9.15 keV; 900 uJ

values selected= 765 for restoring= 765 still to restore= 765 skipped by user= 0 error(s)= 0 differ= 0

address	status	error c...	error message
XFEL.MAGNETS/MAGNET.ML/CKX.2...	restoring ...	0	

Restore selected items

? Device: XFEL.MAGNETS/MAGNET.ML/CKX.23.I1/KICK.SP
restore 4.20579980213027E-4 (actual= 0.0)

Restore all Restore this Skip this and go to next Cancel all

Print FULL table Print ONLY summary Close this Window

diff.	RBV	diff.to RBV
-0.00042058		
-0.00112030		
-0.00031853		
-0.00087202		
0.00000000		
0.00000000		
-0.00002416		
-0.00001148		
0.00003800		
-0.00027896		
0.00021370		
-0.00001591		
0.00004290		
0.00016090		
-0.00003920		
-0.00186493		
0.00040370		

all listed values

765 FILE values → di... 323 ← 765 DEVICE values

0 errors 0

SP-RBV deviation

0 out of 0

tolerance [bits] = 5

selected values

765 FILE values selected → Copy ← 765 DEVICE values selected

Restore

Next update 17 sec. update completed abort server reading Last update: Jun 25 15:16:55 CEST 2018 age: 14 sec. update NOW

XFEL: list of symbolic files

File Operator XFEL

File View Options Tools Tests Help

XFEL

Last file restored (or saved): 2018-06-19T10:07:16+02 (ID=18062) diff.= 2892

Machine File Catalog Sequence files **Symbolic files** Re-writable files

XFEL has 7 symbolic files.

Filename	Title	File ID	File timestamp	File comment
injector_gun_5MW_on_crest_002...	Injector, gun 5 MW, on crest, 20 pC	4464	Sun 2016-07-17 15:18:17	
injector_gun_5MW_on_crest_010...	Injector, gun 5 MW, on crest, 100 pC	4451	Sun 2016-07-17 12:24:46	
injector_gun_5MW_on_crest_020...	Injector, gun 5 MW, on crest, 200 pC	2821	Thu 2016-04-21 04:30:54	
injector_gun_5MW_on_crest_050...	Injector, gun 5 MW, on crest, 500 pC	2811	Thu 2016-04-21 03:26:06	
injector_gun_5MW_on_crest_070...	Injector, gun 5 MW, on crest, 700 pC	2807	Thu 2016-04-21 02:52:12	
injector_gun_5MW_on_crest_100...	Injector, gun 5 MW, on crest, 1000 pC	2801	Wed 2016-04-20 21:43:29	
optics_file.xml	optics file	59	Mon 2015-12-21 21:21:12	

SELECTED FROM TABLE

Selected SYMBOLIC file: ID = timestamp = **RESTORE: selected file → Machine**

write selected MACHINE file: ID= ==> into selected SYMBOLIC file:

XFEL: how to write a file into a symbolic file: ... right mouse click on a file...

File Operator XFEL

File View Options Tools Tests Help

XFEL

Last file restored (or saved): 2018-06-19T10:07:16+02 (ID=18062) diff.= 2892

Machine File Catalog Sequence files Symbolic files Re-writable files

XFEL Catalog has 13479 files. With the following filters: 306 files listed in the table below. show filters ☒ apply filters

FILTERS

ID	Timestamp	Beamline	E [GeV]	λ [nm]	SASE [μ J]	Comment	File type	Authors	e-log link	Category
17985	Mon 2018-06-18 21:20:01					DOE tests: SA1 lasing at 9.15 keV; 90...	normal	Froehlich, Negodin		Sequencer
17959	Tue 2018-06-12 19:35:07					shift documentation, new setup 9.3keV...	normal	bsteffen		Sequencer
17958	Tue 2018-06-12 17:00:27					Clean setup 14 GeV; SASE1 9.3 keV, ...	normal	Scholz, Froehlich		Sequencer
17929	Mon 2018-06-11 18:50:03					SASE1@7.3keV, 1.5mJ; SASE3@900...	normal	Froehlich, Grecki...		Sequencer
17920	Fri 2018-06-08 15:13:03						normal	tamras		Sequencer
17900	Thu 2018-06-07 07:03:03						normal	tam, mey		Sequencer
17889	Wed 2018-06-06 06:32:03						normal	tamras		Sequencer
17873	Mon 2018-06-04 18:08:03						normal	Brinker		Sequencer
17794	Wed 2018-05-23 20:56:03						reference	mscholz		Sequencer
17679	Fri 2018-05-18 15:56:03						normal	Froehlich		Sequencer
17663	Wed 2018-05-16 18:45:03						normal			Sequencer
17613	Mon 2018-05-14 17:54:03						normal	tam, kru		Sequencer
17612	Mon 2018-05-14 09:41:03						normal	mscholz		Sequencer
17609	Sun 2018-05-13 07:07:03						normal	kru, tam		Sequencer
17592	Fri 2018-05-11 11:26:03						normal	tam, kru		Sequencer
17585	Thu 2018-05-10 16:54:03						normal	Brinker		Sequencer
17533	Sun 2018-05-06 23:27:03						normal	tamras		Sequencer
17487	Thu 2018-05-03 16:43:03						normal	tamras		Sequencer
17483	Wed 2018-05-02 19:42:03						normal	tamras		Sequencer
17482	Wed 2018-05-02 17:18:39					all 3 beamlines with light on (9.2 KeV, ...	normal			Sequencer
17481	Wed 2018-05-02 15:38:01					18bunch, 250pC, 14GeV, SA1, SA2, S...	normal	tamras		Sequencer
17469	Tue 2018-05-01 11:58:33					1bunch, 250pC, B2D transmission, TD...	normal	tamras		Sequencer
17468	Tue 2018-05-01 07:11:23					1bunch, 250pC, 14GeV, 100% transmi...	normal	tamras		Sequencer
17463	Mon 2018-04-30 14:22:45					1bunch, 250pC, 14GeV, 100% T5D tr...	normal	tamras		Sequencer
17462	Mon 2018-04-30 12:12:32					250pC, 1bunch, 14GeV, 100% TLD, T...	normal	tamras		Sequencer
17461	Mon 2018-04-30 07:15:39					250pC, 1bunch, 14GeV T4D 100%tra...	normal			Sequencer
16908	Tue 2018-04-03 22:25:21					end of run file, with these settings 500 ...	normal	dnoelle et al		Sequencer
16790	Thu 2018-03-15 18:10:55					Beam to TLD and T4D, 14 GeV	normal	Froehlich		Sequencer
16787	Thu 2018-03-15 11:33:06					beam in SASE 1 and 2	normal	bsteffen		Sequencer

SELECTED FROM TABLE

Selected file: ID=

RESTORE: selected file Machine

WRITE into a symb. file

Sequencer XFEL

File Operator XFEL

File View Options Tools Tests Remote-Control Help

XFEL

Last file restored (or saved): 2018-06-19T10:07:16+02 (ID=18062) diff.= 2884

Machine File Catalog

Sequence files

Symbolic files

Re-writable files

XFEL has 6 sequence files. With the following filters: 6 files listed in the table below.

remove all filters

FILTERS

☐ show also sequences for experts

Title	Filename
Join injector 1 and XTL	join_i1_xtl.xml
Join SASE1/3 and XTL	join_xtl_sase13.xml
Join SASE2 and XTL	join_xtl_sase2.xml
Separate injector 1 from XTL	separate_i1_xtl.xml
Separate SASE1/3 from XTL	separate_xtl_sase13.xml
Separate SASE2 from XTL	separate_xtl_sase2.xml

Selected SEQUENCE file:

open in sequencer




Example of Sequencer XFEL : Join injector 1 and XTL

File Operator XFEL

File Edit View Options Help

XFEL SEQUENCE: Join injector 1 and XTL
Filename: join_i1_xtl.xml

Sequencer Control

 START sequence  STOP sequence STATUS: idle  CLOSE window

enabled		description	status	remarks	restore	check	user actions
<input checked="" type="checkbox"/>	1	Await beam permission I1	-			1 data	
<input checked="" type="checkbox"/>	2	Await beam permission XTL	-			1 data	
<input checked="" type="checkbox"/>	3	Await opening of beam shutter I1	-			1 data	
<input checked="" type="checkbox"/>	4	Extract permanent magnet I1	-		2 data	+2 data	
<input checked="" type="checkbox"/>	5	Await PI NOK for I1 permanent magnet	-			1 data	
<input checked="" type="checkbox"/>	6	Make Injector dipole writable	-		2 data	+2 data	
<input checked="" type="checkbox"/>	7	Switch off CBB.62.I1	-		1 data	+1 data	
<input checked="" type="checkbox"/>	8	Cycle BB.62.I1 to zero current	-		1 data	3 data	
<input checked="" type="checkbox"/>	9	Switch off BB.62.I1	-		1 data	+1 data	
<input checked="" type="checkbox"/>	10	Switch on CBB.62.I1	-		1 data	+1 data	
<input checked="" type="checkbox"/>	11	Set CBB.62.I1 to 1.81 mrad	-		1 data	1 data	
<input checked="" type="checkbox"/>	12	Write-protect BB.62.I1	-		1 data	+1 data	
<input checked="" type="checkbox"/>	13	Open injector 1 valve	-		1 data	1 data	

Example of Sequencer XFEL : Join injector 1 and XTL

File Operator XFEL

File Edit View Options Help

XFEL SEQUENCE: Join injector 1 and XTL
Filename: join_i1_xtl.xml

Sequencer Control

STATUS: idle

enabled		description	status	remarks	restore	check	user actions
<input checked="" type="checkbox"/>	1	Await beam permission I1	-			1 data	
<input checked="" type="checkbox"/>	2	Await beam permission XTL	-			1 data	
<input checked="" type="checkbox"/>	3	Await opening of beam shutter I1	-			1 data	
<input checked="" type="checkbox"/>	4	Extract permanent magnet I1	-		2 data	+2 data	
<input checked="" type="checkbox"/>	5	Await PI NOK for I1 permanent magnet	-			1 data	
<input checked="" type="checkbox"/>	6	Make Injector dipole writable	-		2 data	+2 data	
<input checked="" type="checkbox"/>	7	Switch off CBB.62.I1	-		1 data	+1 data	
<input checked="" type="checkbox"/>	8	Cycle BB.62.I1 to zero current	-		1 data	3 data	
<input checked="" type="checkbox"/>	9	Switch off BB.62.I1	-		1 data	+1 data	
<input checked="" type="checkbox"/>	10	Switch on CBB.62.I1	-		1 data	+1 data	
<input checked="" type="checkbox"/>	11	Set CBB.62.I1 to 1.81 mrad	-		1 data	1 data	
<input checked="" type="checkbox"/>	12	Write-protect BB.62.I1	-		1 data	+1 data	
<input checked="" type="checkbox"/>	13	Open injector 1 valve	-		1 data	1 data	

control buttons




Example of Sequencer XFEL : Join injector 1 and XTL

File Operator XFEL

File Edit View Options Help

XFEL SEQUENCE: Join injector 1 and XTL
Filename: join_i1_xtl.xml

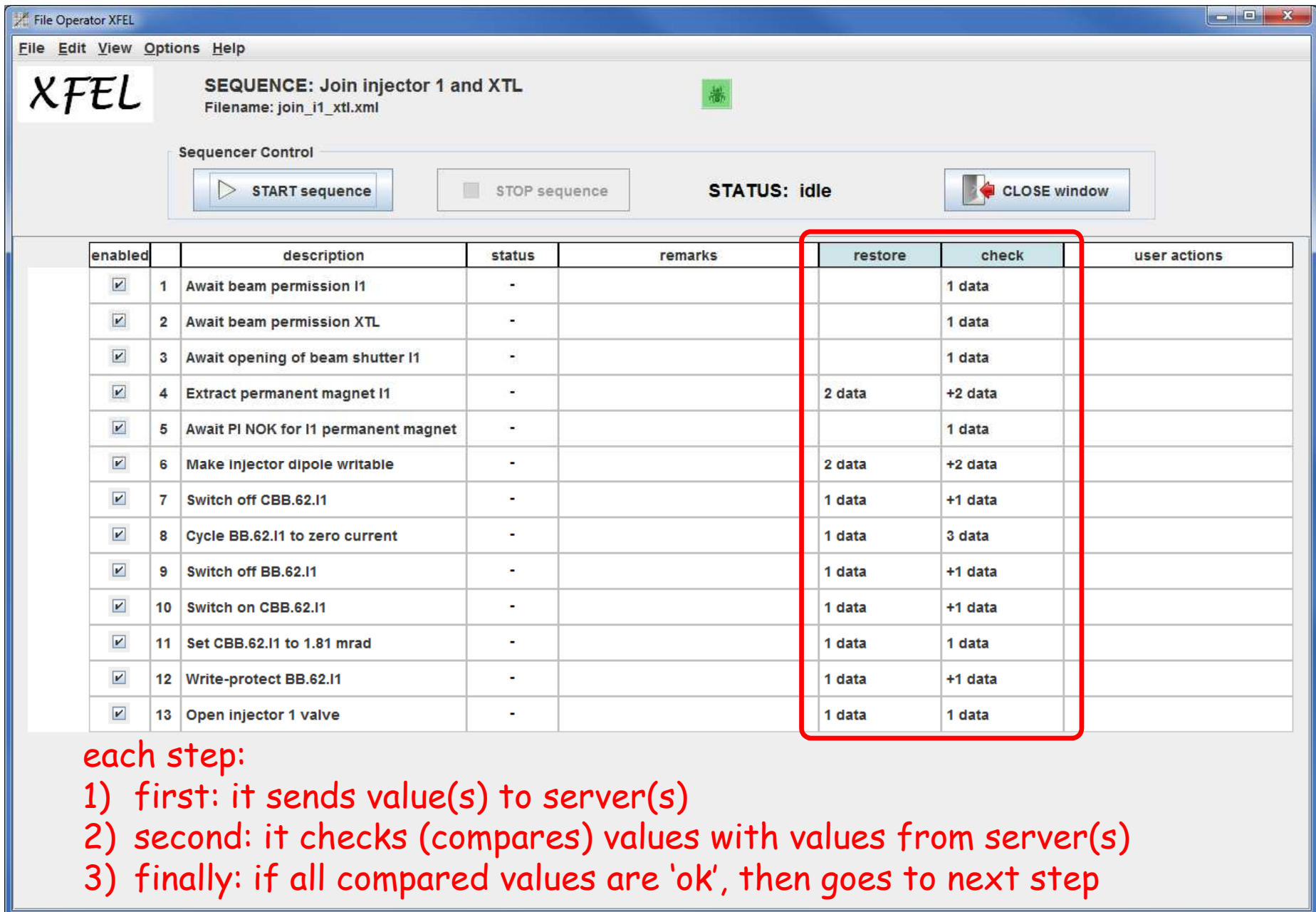
Sequencer Control

 START sequence  STOP sequence STATUS: idle  CLOSE window

enabled		description	status	remarks	restore	check	user actions
<input checked="" type="checkbox"/>	1	Await beam permission I1	-			1 data	
<input checked="" type="checkbox"/>	2	Await beam permission XTL	-			1 data	
<input checked="" type="checkbox"/>	3	Await opening of beam shutter I1	-			1 data	
<input checked="" type="checkbox"/>	4	Extract permanent magnet I1	-		2 data	+2 data	
<input checked="" type="checkbox"/>	5	Await PI NOK for I1 permanent magnet	-			1 data	
<input checked="" type="checkbox"/>	6	Make Injector dipole writable	-		2 data	+2 data	
<input checked="" type="checkbox"/>	7	Switch off CBB.62.I1	-		1 data	+1 data	
<input checked="" type="checkbox"/>	8	Cycle BB.62.I1 to zero current	-		1 data	3 data	
<input checked="" type="checkbox"/>	9	Switch off BB.62.I1	-		1 data	+1 data	
<input checked="" type="checkbox"/>	10	Switch on CBB.62.I1	-		1 data	+1 data	
<input checked="" type="checkbox"/>	11	Set CBB.62.I1 to 1.81 mrad	-		1 data	1 data	
<input checked="" type="checkbox"/>	12	Write-protect BB.62.I1	-		1 data	+1 data	
<input checked="" type="checkbox"/>	13	Open injector 1 valve	-		1 data	1 data	

a procedure with 13 steps

Example of Sequencer XFEL : Join injector 1 and XTL



The screenshot shows the 'File Operator XFEL' window. The title bar indicates the filename is 'join_i1_xtl.xml'. The 'SEQUENCE: Join injector 1 and XTL' is displayed. The 'Sequencer Control' section contains a 'START sequence' button, a 'STOP sequence' button, and a 'CLOSE window' button. The status is 'idle'. Below the control section is a table with 13 steps. A red box highlights the 'restore' and 'check' columns of the table.

enabled		description	status	remarks	restore	check	user actions
<input checked="" type="checkbox"/>	1	Await beam permission I1	-			1 data	
<input checked="" type="checkbox"/>	2	Await beam permission XTL	-			1 data	
<input checked="" type="checkbox"/>	3	Await opening of beam shutter I1	-			1 data	
<input checked="" type="checkbox"/>	4	Extract permanent magnet I1	-		2 data	+2 data	
<input checked="" type="checkbox"/>	5	Await PI NOK for I1 permanent magnet	-			1 data	
<input checked="" type="checkbox"/>	6	Make Injector dipole writable	-		2 data	+2 data	
<input checked="" type="checkbox"/>	7	Switch off CBB.62.I1	-		1 data	+1 data	
<input checked="" type="checkbox"/>	8	Cycle BB.62.I1 to zero current	-		1 data	3 data	
<input checked="" type="checkbox"/>	9	Switch off BB.62.I1	-		1 data	+1 data	
<input checked="" type="checkbox"/>	10	Switch on CBB.62.I1	-		1 data	+1 data	
<input checked="" type="checkbox"/>	11	Set CBB.62.I1 to 1.81 mrad	-		1 data	1 data	
<input checked="" type="checkbox"/>	12	Write-protect BB.62.I1	-		1 data	+1 data	
<input checked="" type="checkbox"/>	13	Open injector 1 valve	-		1 data	1 data	

each step:

- 1) first: it sends value(s) to server(s)
- 2) second: it checks (compares) values with values from server(s)
- 3) finally: if all compared values are 'ok', then goes to next step




Example of Sequencer XFEL : Separate injector 1 and XTL

File Operator XFEL

File Edit View Options Help

XFEL **SEQUENCE: Separate injector 1 from XTL**
Filename: separate_i1_xtl.xml

Sequencer Control

 **START sequence**  **STOP sequence** **STATUS: idle**  **CLOSE window**

User Parameters

Close valve: ▼

enabled		description	status	remarks	restore	check	user actions
<input checked="" type="checkbox"/>	1	Make injector dipole writable	-		2 data	+2 data	
<input checked="" type="checkbox"/>	2	Switch CBB.62.I1 off	-		1 data	+1 data	
<input checked="" type="checkbox"/>	3	Switch BB.62.I1 on	-		1 data	+1 data	
<input checked="" type="checkbox"/>	4	Cycle BB.62.I1 to -30 deg	-		1 data	3 data	
<input checked="" type="checkbox"/>	5	Write-protect injector dipole	-		2 data	+2 data	
<input checked="" type="checkbox"/>	6	Await PI OK for BB.5.I1D	-			1 data	
<input checked="" type="checkbox"/>	7	Insert permanent magnet I1	-		2 data	+2 data	
<input checked="" type="checkbox"/>	8	Await PI OK for I1 permanent magnet	-			1 data	
<input checked="" type="checkbox"/>	9	Close injector 1 valve	-		1 data	1 data	
<input checked="" type="checkbox"/>	10	Await closing of beam shutter I1	-			1 data	

sometimes there is one or more user options

Example of Sequencer PETRA: top-up

File Operator PETRA

File Edit View Options Help

PETRA **SEQUENCE: TopUp Betrieb: Petra**
Filename: TopUp_Petra.xml

Sound alarm server (in BKR) (sound file = PE_TOPUP_2...)

set ON set OFF error error snooze

Sequencer Control

START sequence STOP sequence STATUS: idle CLOSE window

User Parameters

oberes Stromlimit [mA] = 50.0

unteres Stromlimit [Prozent] = 1.0

Wert=0: Fuellen ohne TimingAutomatik moeglich = 1

here: user options are values

enabled	description	status	remarks	restore	check	user actions
<input checked="" type="checkbox"/>	Generierung BunchPattern definieren	-		1 data		
<input checked="" type="checkbox"/>	TopUp-Betrieb Vorbereiten	-		1 data		
<input checked="" type="checkbox"/>	BPM's, autom. gain control behandeln	-		1 data		
<input checked="" type="checkbox"/>	Start Pruefung auf unteres StromLimit	-		1 data		
<input checked="" type="checkbox"/>	Oberes Stromlimit setzen (auf 50.0 mA)	-		1 param.		
<input checked="" type="checkbox"/>	Unteres StromLimit setzen (auf 1.0 %)	-		1 param.		
<input checked="" type="checkbox"/>	Fuellen ohne TimingAutomatik moegl...	-		1 param.		
<input checked="" type="checkbox"/>	Warten auf unteres StromLimit	-			1 data	
<input checked="" type="checkbox"/>	Topup Modus setzen	-		1 data		
<input checked="" type="checkbox"/>	Linac2 Gun ein?	-			1 data	
<input checked="" type="checkbox"/>	Check auf Bunche in Petra	-			1 data	
<input checked="" type="checkbox"/>	Unteres StromLimit erreicht?	-			1 data	
<input checked="" type="checkbox"/>	Zurueck zum Pruefung des Injektors	-				
<input checked="" type="checkbox"/>	Start Injektion	-		1 data		
<input checked="" type="checkbox"/>	Warten auf Injektion	-			1 data	

Example of Sequencer PETRA: top-up

File Operator PETRA

File Edit View Options Help

PETRA **SEQUENCE: TopUp Betrieb: Petra**
Filename: TopUp_Petra.xml

Sound alarm server (in BKR) (sound file = PE_TOPUP_2...)

set ON set OFF error error snooze

Sequencer Control

START sequence STOP sequence STATUS: idle CLOSE window

User Parameters

oberes Stromlimit [mA] = 50.0

unteres Stromlimit [Prozent] = 1.0

Wert=0: Fuellen ohne TimingAutomatik moeglich = 1

sequences can have 'gotos' and loops

enabled	description	status	remarks	restore	check	user actions
<input checked="" type="checkbox"/>	Generierung BunchPattern definieren	-		1 data		
<input checked="" type="checkbox"/>	TopUp-Betrieb Vorbereiten	-		1 data		
<input checked="" type="checkbox"/>	BPM's, autom. gain control behandeln	-		1 data		
<input checked="" type="checkbox"/>	Start Pruefung auf unteres StromLimit	-		1 data		
<input checked="" type="checkbox"/>	Oberes Stromlimit setzen (auf 50.0 mA)	-		1 param.		
<input checked="" type="checkbox"/>	Unteres StromLimit setzen (auf 1.0 %)	-		1 param.		
<input checked="" type="checkbox"/>	Fuellen ohne TimingAutomatik moegl...	-		1 param.		
<input checked="" type="checkbox"/>	Warten auf unteres StromLimit	-			1 data	
<input checked="" type="checkbox"/>	Topup Modus setzen	-		1 data		
<input checked="" type="checkbox"/>	Linac2 Gun ein?	-			1 data	
<input checked="" type="checkbox"/>	Check auf Bunche in Petra	-			1 data	
<input checked="" type="checkbox"/>	Unteres StromLimit erreicht?	-			1 data	
<input checked="" type="checkbox"/>	Zurueck zum Pruefung des Injektors	-				
<input checked="" type="checkbox"/>	Start Injektion	-		1 data		
<input checked="" type="checkbox"/>	Warten auf Injektion	-			1 data	

<http://doc.desy.de/elog/XMLlist?file=/DOC/data/doc/common/applications/SaveRestore&xsl=/elogbook/xsl/elog.xsl&picture=true>

<http://bkr-wiki.desy.de/index.php/Sequenzer>

<https://xfel-wiki.desy.de/Sequenzer>

Thank you for you attention

pedro.castro@desy.de