

TINE Studio News

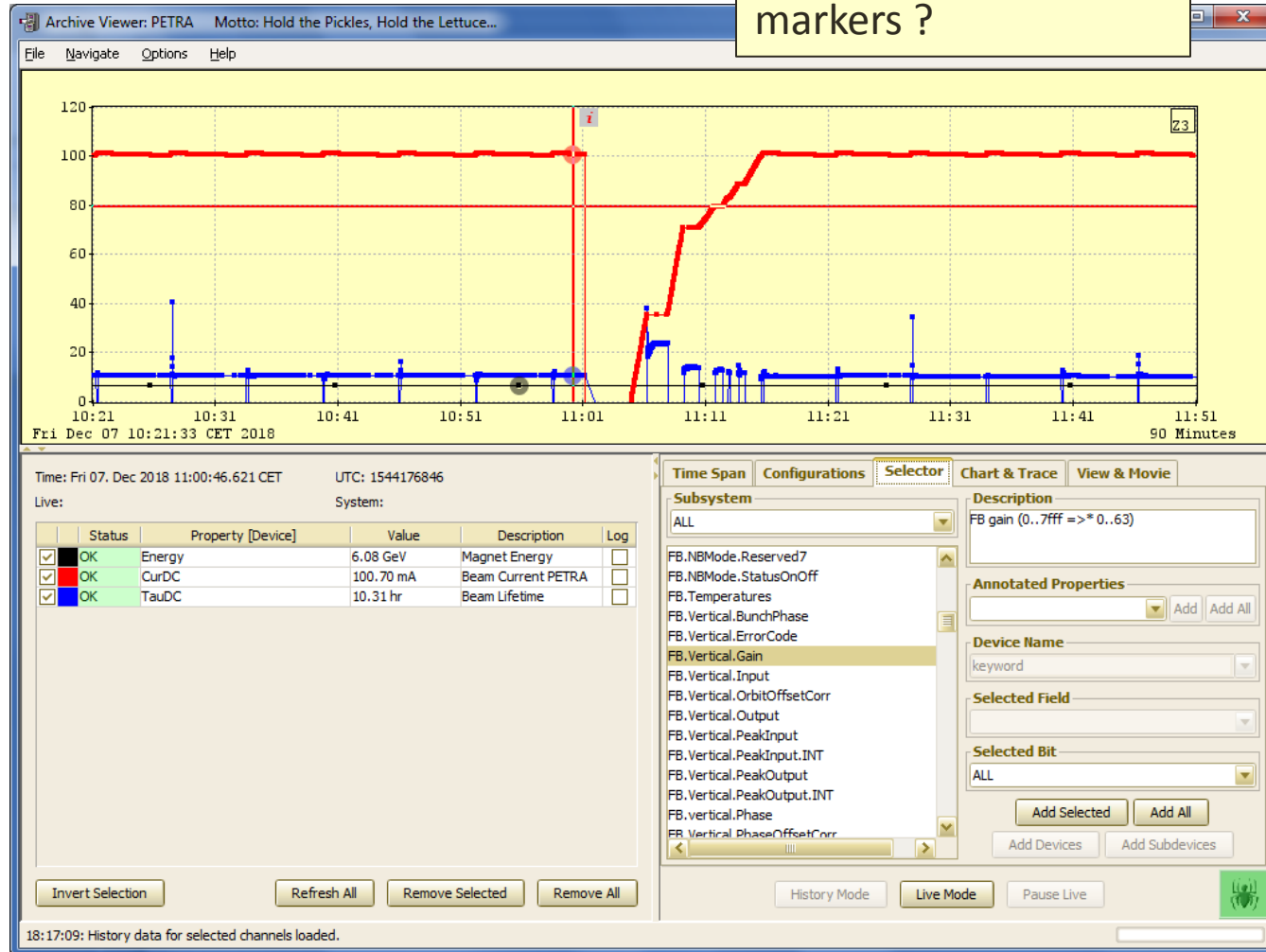
Dec 12, 2018

The Archive Database Manager and other interesting tales ...

Archive Viewer

- Anything new ?

Notice the data point markers ?



Archive Viewer

Better bit browsing ...

Archive Viewer: XFEL Motto: Hold the Pickles, Hold the Pickles

File Navigate Options Help

Time: Tue 11. Dec 2018 15:21:26.972 CET UTC: 1544538086

Live: System:

Status	Property [Device]	Value	Description	Log
OK	Dumps.Alarms.Board [XS1/0] {1B Veto}	0	Dump Bits Ala...	<input type="checkbox"/>
OK	Dumps.Alarms.Board [XS1/1] {30B Veto}	0	Dump Bits Ala...	<input type="checkbox"/>
OK	Dumps.Alarms.Board [XS1/2] {FB Veto}	0	Dump Bits Ala...	<input type="checkbox"/>
OK	Dumps.Alarms.Board [XS1]	0	Dump Bits Ala...	<input type="checkbox"/>
OK	Dumps.Alarms.Board [XSDU1]	110	Dump Bits Ala...	<input type="checkbox"/>
OK	Dumps.Alarms.Board [XSDU2]	0	Dump Bits Ala...	<input type="checkbox"/>
OK	Dumps.Alarms.Board [INJ]	0	Dump Bits Ala...	<input type="checkbox"/>
OK	Dumps.Alarms.Board [BC1]	0	Dump Bits Ala...	<input type="checkbox"/>
OK	Dumps.Alarms.Board [BC2]	0	Dump Bits Ala...	<input type="checkbox"/>

Invert Selection Refresh All Remove Selected Remove All

13:09:47: History data for selected channels loaded.

Time Span Configurations Selector Chart & Trace View & Movie

Subsystem: Dumps

Description: Dump Bits Alarm-Board

Annotated Properties: Add Add All

Device Name: XS1

Selected Field: [Empty]

Selected Bit: ALL, 1B Veto {0}, 30B Veto {1}, FB Veto {2}

History Mode Live Mode Pause Live

ENS Administration

Now offers viewpoint from
ALL known ENS hosts ...

The screenshot displays the ENS Administration [XFEL] application window. The interface is divided into several sections:

- Administrative Controls:** Includes a menu bar (File, Navigate, Options, Help) and a top status bar showing "Selected ENS: primary" and "ENS Address: 131.169.120.41".
- Server List:** A vertical list on the left under "Servers in" includes categories like "ALARMSTATE", "ARCHIVER", "BEAMLINE", and "CAMERA". The "CAMERA" category is currently selected.
- Registered FECs:** A list of FECs (e.g., guc0a8a326.36e, GUNARC.3) with a search field.
- Selected FEC Importance:** A dropdown menu set to "CRITICAL" and a "Refresh Data" button.
- Servers on FEC GENS:** A list of server identifiers such as "/TTF2/Blm.Alarms" and "/FLASH/CAMERA".
- Aliases for Server CAMERA:** A section for managing server aliases.
- FECs on this Host:** A list of services like "QUERYSRV (SERVICE)" and "ENSA (SERVICE)".
- Info for Server CAMERA:** A detailed table of server information.
- Group Servers (XFEL):** A list of server groups including "Mag.Group", "TIMER", and "CAMERA".
- Group Members (PiPrivateSwitchab...):** A list of members for a specific group, currently showing "PiPrivSwTch_piDeLiAudioP [0]".

At the bottom left, a status bar indicates "08:42:30: All done." The interface includes various navigation buttons like "Add Server", "Remove Server", "Add Group", and "Add Member".

Server Online:	●
Local Name	CAMERA
FEC	GENS
IP Address	131.169.120.41
Port Offset	101
Host Name	acdxciens1.desy.de
Location	bdg 30 rm 103 CSR-3 (5)
OS	UNIX
Description	ENS companion process
Responsible	control system admin
TINE Version	5512
Subsystem	DIAG
Hardware	none

Event Archive Database Manager

Event Archive Database Manager: XFEL

File Options Navigate Help

Event Trigger

- gunmod_log
- gunmod_hv
- gunmod_rf
- gun_lrf
- mod2_hv
- mod3_hv
- mod4_hv
- mod5_hv
- mod6_hv
- mod7_hv
- mod8_hv
- mod9_hv
- mod10_hv
- mod11_hv
- mod12_hv
- mod13_hv
- mod14_hv
- mod15_hv
- mod16_hv
- mod17_hv
- mod18_hv

Add Edit

Copy Trigger

Delete Trigger

Trigger Action List

Trigger Description: Mod 2 HV Events Max Queue Size: 0 Event Keep Depth 3 months Write Db Reload

- /XFEL/Mod.2to9.Data/_IGNORE_DEVICES_[TraceMod2.EVENTSIZE] -> /XFEL/Mod2/_IGNORE_DEVICES_[TraceMod2.SEQ.SIZE] <READ|SETNUM>
- /XFEL/Mod.2to9.Data/_ALL_DEVICES_[TraceMod2.EVENT] -> /XFEL/Mod2/_ALL_DEVICES_[TraceMod2.SEQ] <READ>
- /XFEL/Mod.2to9.Data/_IGNORE_DEVICES_[TraceMod2.NEVENT] -> /XFEL/Mod2/_IGNORE_DEVICES_[TraceMod2.NSEQ] <READ|SETNUM>
- /XFEL/Mod.2to9.Data/_IGNORE_DEVICES_[TraceMod2.BUFFER.EVENT] -> /XFEL/Mod2/_IGNORE_DEVICES_[TraceMod2.BUFFER.SEQ] <READ|PERSIST>
- /XFEL/Mod.2to9.Data/_IGNORE_DEVICES_[TraceMod2.PULSE.EVENT] -> /XFEL/Mod2/_IGNORE_DEVICES_[TraceMod2.PULSE.SEQ] <READ|PERSIST>
- /XFEL/Mod.2to9.Data/_IGNORE_DEVICES_[TraceMod2.TS.EVENT] -> /XFEL/Mod2/_IGNORE_DEVICES_[TraceMod2.TS.SEQ] <READ>
- /XFEL/Mod.2to9.Data/_IGNORE_DEVICES_[TraceMod2.PENDING] -> /XFEL/Mod2/_IGNORE_DEVICES_[TraceMod2.PENDING] <READ|WRITE>

Various bug fixes ...

Add action Edit action Delete action

Action Items

Use selected device Ignore stored device name Perform for all devices

Context Server Device
XFEL Mod.2to9.Data _IGNORE_DEVICES_

Property Data Tag Data Size Format
TraceMod2.EVENTSIZE 1 INT32

Store As Device Server Device Property
Mod2 TraceMod2.SEQ.SIZE

Pipe output as data size for: Next action All actions

Pipe output as input for next action

Pipe output as device list for subsequent actions

Use assigned device name (discontinue device list pipe)

Data Operations

Offset Scale
0.0 0.0

Repeat
 Repeat times
Interval ms

Fixed Delay
 Wait s
 Wait Wait Prior

Monitor Options
 Monitor
Interval 0 ms
Duration 0 s

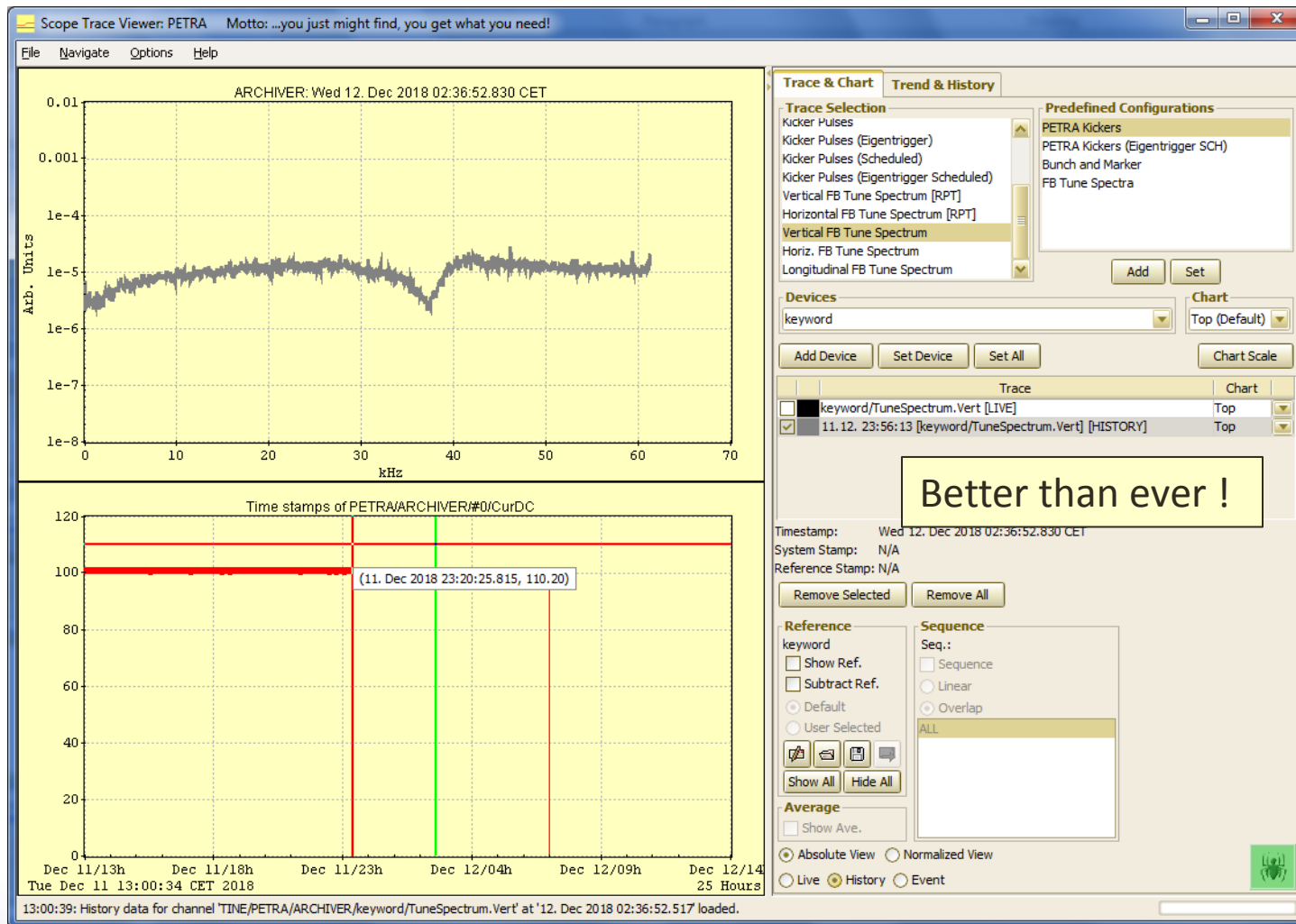
Wait For Target
 Match
Timeout 0 s

Input Data
 Write access
 Single Value Multiple Values
File

Data **Format**
NULL
BYTE
INT16
INT32
FLOAT
DOUBLE
NAME16

10:17:32: Normal

Scope Trace Viewer



DOOCS/TINE Setup

The screenshot shows the 'DOOCS/TINE Setup' application window. It features a 'File' menu and a 'Facility' dropdown set to 'XFEL.DIAG'. The 'Device' dropdown is set to 'MPS'. Below this, the 'Tine Server (Expected): /XFEL.DIAG/MPS.450' is displayed with a 'Refresh' button. A table compares 'Proposed Settings' and 'Current Settings' for various parameters:

Parameter	Proposed Settings	Current Settings
SVR.TINEVERS	<input type="text"/>	4.06.0002
SVR.LIBINFO	<input type="text"/>	18.10.17-xenial1
SVR.HOST_NAME	<input type="text"/>	xfelcpudi1862tl
SVR.TINERUN	1	1
SVR.TINE_LOG	1	1
SVR.TINE_FEC	XFMP5450FEC	XFMP5450FEC
SVR.TINEPREF	<input type="text"/>	<input type="text"/>
SVR.TINESUFF	<input type="text"/>	<input type="text"/>
SVR.TINE_SUBSYSTEM	Not Available	Not Available
SVR.TINE_GROUP	450	450
Full ID: 450000		
SVR.TINE_PSCHED	<input type="text"/>	<input type="text"/>
SVR.TINE_MCA	<input type="text"/>	<input type="text"/>

At the bottom, there are buttons for 'Start & Save', 'Set & Start & Save', 'Set & Start & Save All Locations', and 'Revert Settings'.

The screenshot shows the 'Java Instant Client' window. The 'Context' dropdown is set to 'XFEL' and the 'Subsystem' dropdown is set to 'ALL'. The 'Server' dropdown is set to 'MPS', and a dropdown menu is open showing a list of MPS devices: MPS, MPS.1, MPS.10, MPS.12, MPS.120, MPS.13, MPS.130, and MPS.14. The 'Device' dropdown is set to 'XFELCPUTIME1._SVR' and the 'Property' dropdown is set to 'DEVICE.INFO'. The 'Timeout' is set to 1000. The 'Read' and 'Poll' buttons are visible. The status bar at the bottom indicates 'Settings: UDP, Timer | Suppress Query Properties, Device Query Precedence' and 'Last request: 12:25:21.606 (1 ms)'.

Now shows the 'official' doocs group metric ...

Best Practice: use enabletine script ...