

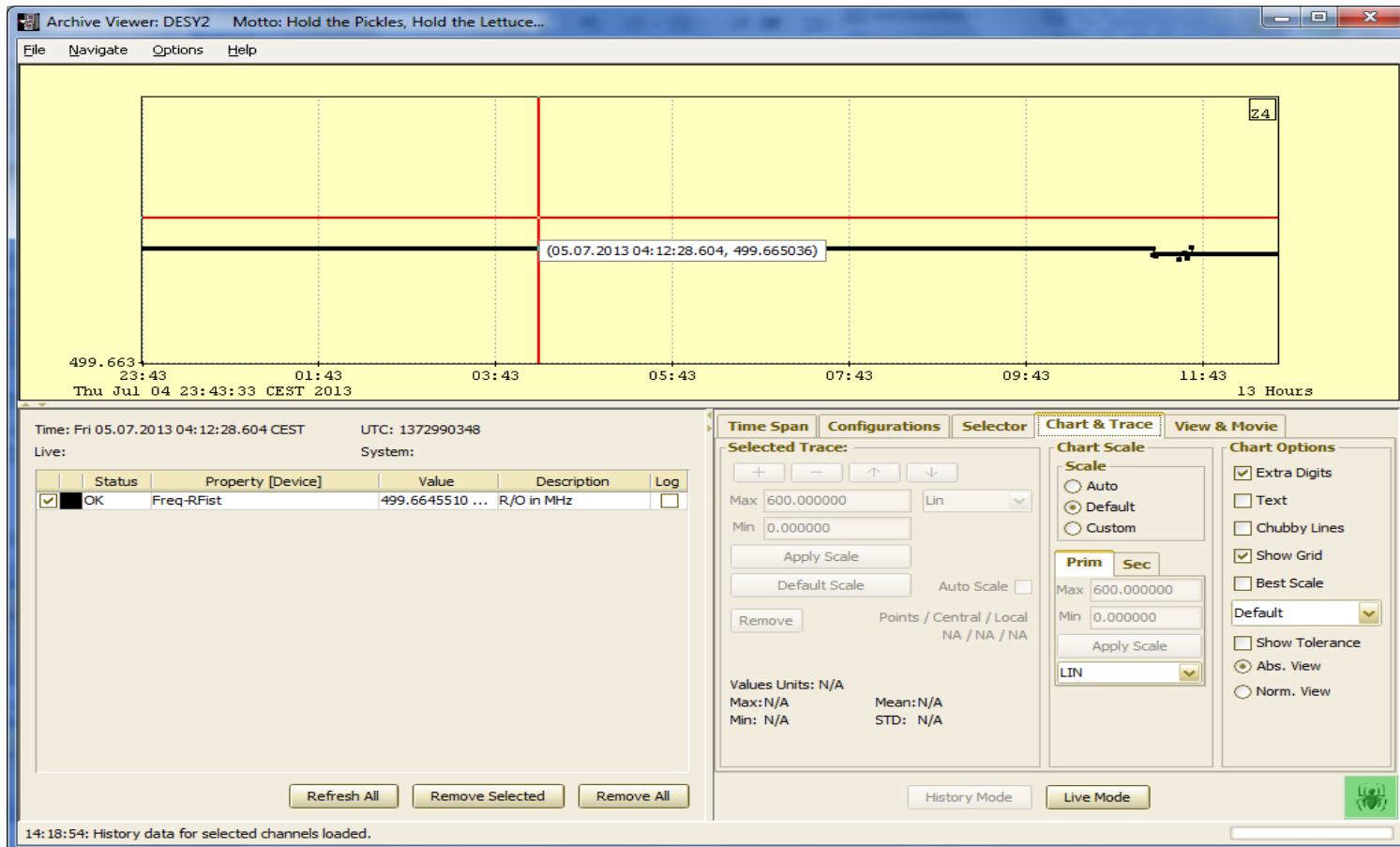
Central Services /  
Common Applications

# [ Common Applications ]

- Archive Viewer News
- Alarm Viewer News
- FEC Remote Panel News
- ENS Administrator News
- Scope Trace Viewer News
- Other Stuff

# Archive Viewer

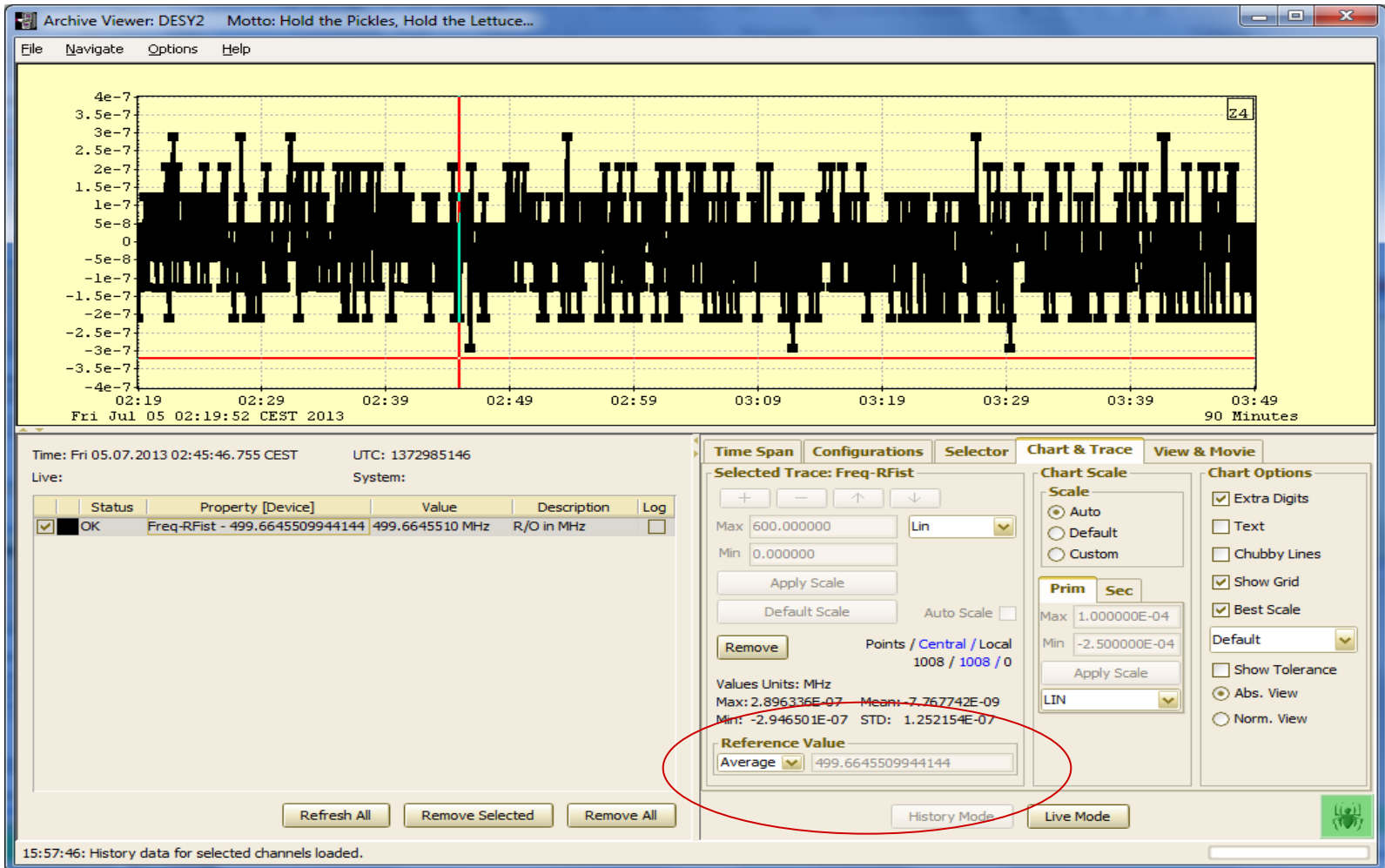
- Problem (?) with chart resolution when zooming to the 7<sup>th</sup> significant digit.



# [ Archive Viewer ]

- ‘display versus reference’ option in chart and trace options:
  - versus **value**
    - Initial value, RMS value, min value, max value
  - versus **another keyword** (*coming soon*).
  - (*something else the Best Epics Archive UTilitY can't do?*)

# Archive Viewer



# Archive Viewer

The screenshot displays the DORIS Logbook interface in a web browser. The browser's address bar shows the URL <http://tftinfo.desy.de/doris/index.jsp>. The page title is "DORIS - Logbuch". At the top, there are status indicators: Energy: 0.0 GeV, Bunches: 0, State: (highlighted in yellow), Current: 0.0 mA, Lifetime: 0.0 h, and News: Olympus Run, 10 Bunche. A navigation menu includes "Schichtauswahl", "Schnellübersicht", "Suchen", "Kalender", and "Hilfe". The date and time are "08.07.2013 07:48".

The main content area is titled "eLogBook Eintrag". It contains a form with the following fields:

- Autor:** duval
- Kennung:** Dokumentation
- Datum Zeit:** 08.07.2013 07:38:21
- Rubrik:** Sonstiges
- Titel:** Test of Archive Annotation
- Text:** Check out the archive viewer!

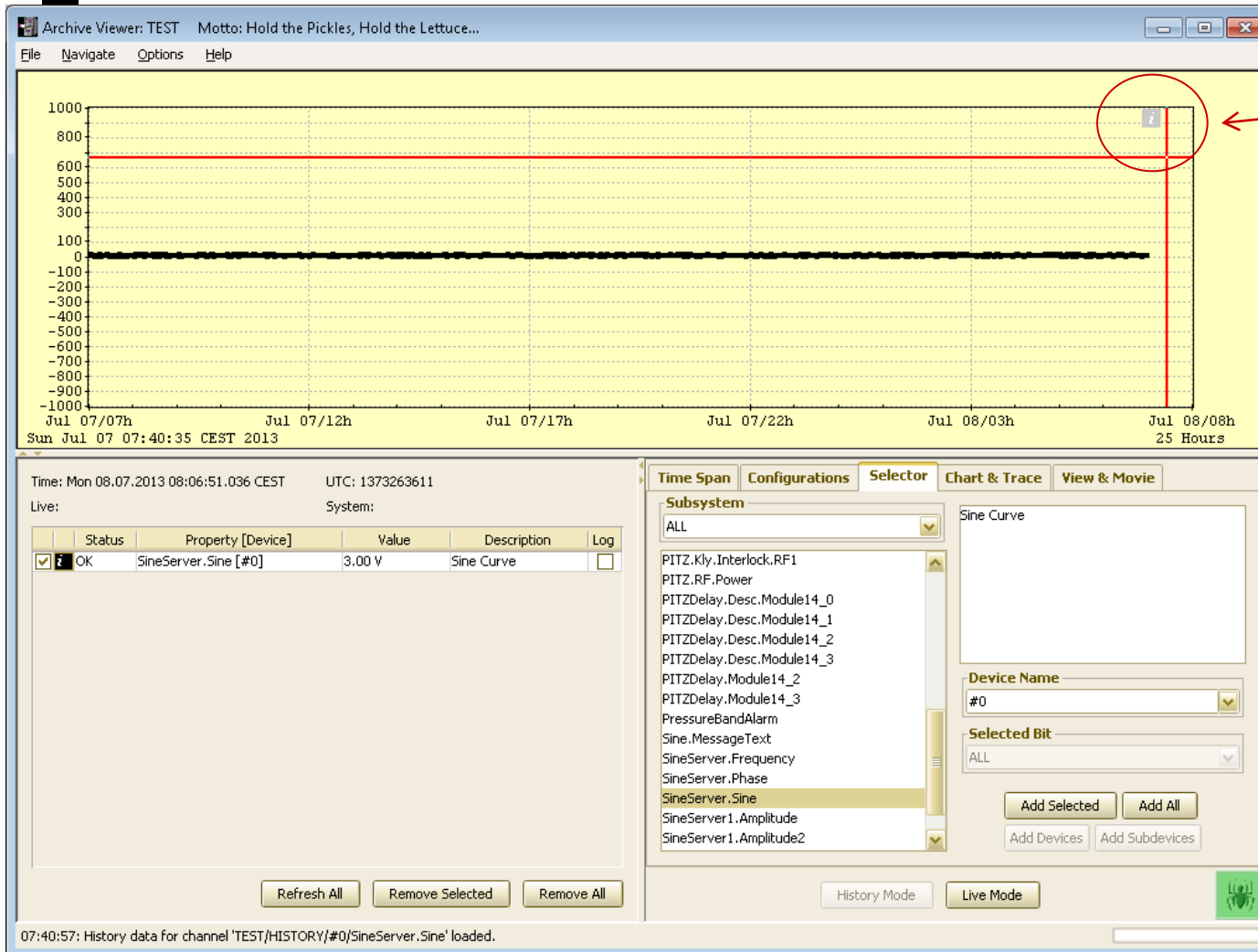
At the bottom of the form, there are two sections:

- Datei upload:** "Wähle Bilddatei (standard Bidtypen wie: jpg, ps, png, ...)" with a "Browse..." button. Below it is a checked checkbox labeled "Annotate in TINE Archive".
- Mail an Experten:** Includes "Bereich:" (Koordinatoren), "Experten:" (dropdown), "clear" button, "Anderer Empfänger:" (input field), and "add" button.

A red arrow points from the "Annotate in TINE Archive" checkbox to a text box on the right side of the slide.

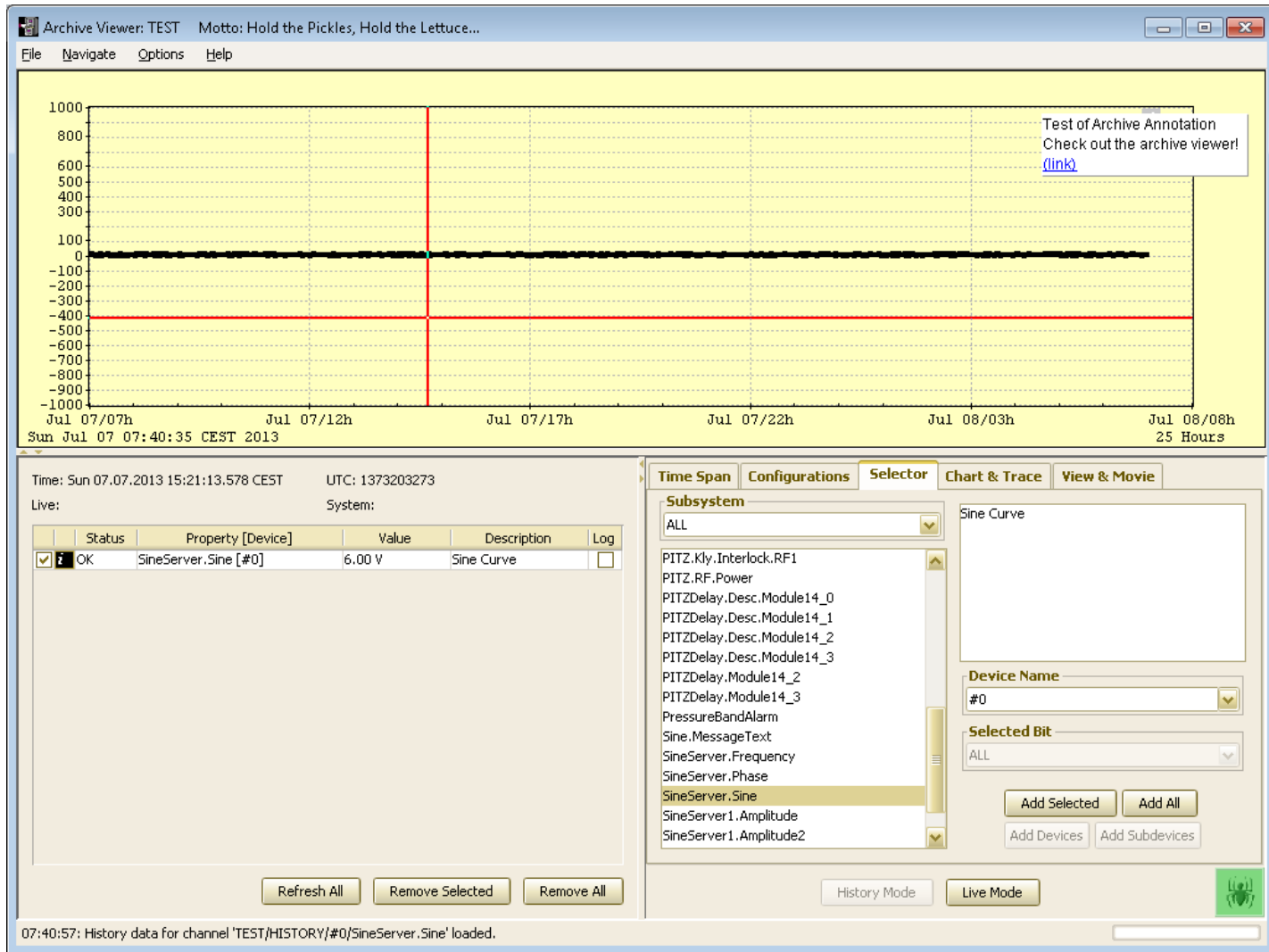
Connection to  
Logbook !

# Archive Viewer



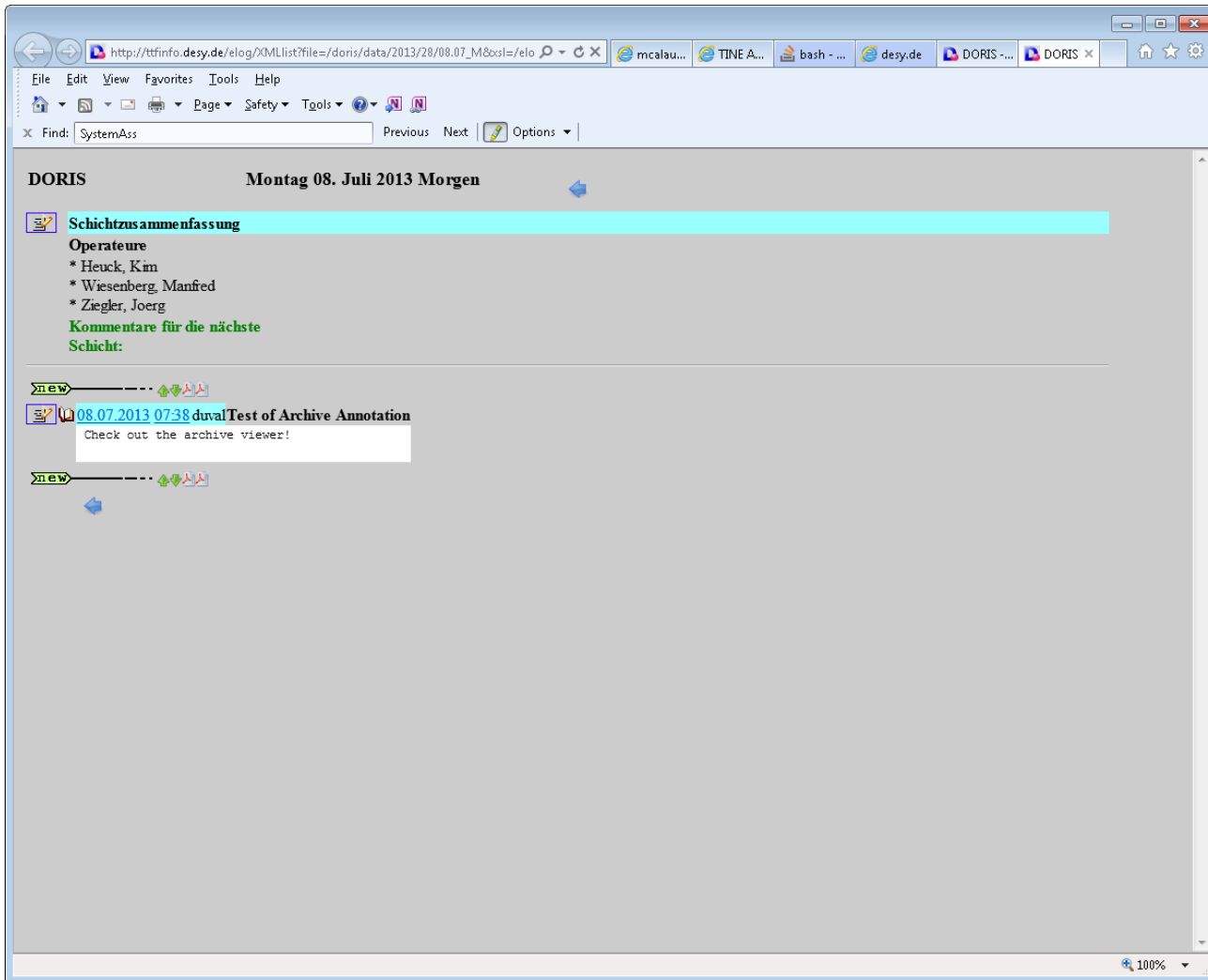
'Context' Annotation: visible no matter what records are selected.

# Archive Viewer





# [ Archive Viewer ]



# [ Alarm Viewer ]

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- Can now disable alarms for
  - specific devices or
  - all devices
- Can now annotate disabling action !
  - 'disabler' is also given.


# Alarm Viewer

Alarm Viewer: DESY2

File View Options Navigate Help

Context: DESY2

Fatal	Error	Warning
<b>16</b>	<b>0</b>	<b>3</b>

Alarm Display   Live  Archive

Mon Jul 08 08:03:11 Warning Severity >= 0 Selected/Total No. of Alarms: 19/19 Active Alarms Only (110 Disabled)

Magnete	10 0 0	Chopper	2 0 0 0	Kontrollen	37 0 0 1
Korr.Mag.	5 0 0	Kicker-Septa	31 0 0 0	Front-End	37 0 0 0
LWeg.Mag.	0 0 0	Instrument.	0 0 0	Strahldiag.	0 0 0
LWeg.Korr.Mag.	0 0 0	Vakuum	0 0 0	● Strahlung	0 0 1
HF	3 0 0 1	Timing	0 0 0	Interlock	1 0 0

System	Device Name	Message	Sev	Alarm Descriptor	Alarm Time	Duration
Strahlung	D-004		8	New	08:00:56.781 - Jul 08 CEST	2,6 min

- Open Definitions Dialog
- Disable (Suppress) Alarm
- Disable (Suppress) All Alarms of This Type
- FEC Remote Control
- Operation History
- Event Archive Viewer

08:03:09: Alarms loaded.

# [ Alarm Viewer ]

- disable alarm for
  - a specific device
  - all devices
  - currently showing active alarm
    - (reset when 'this' alarm has been terminated).

▲ Disable Alarms

Select the alarms you wish to disable (\* indicates a required field):

No Helium-3:  RadMonIP/D-004:  All Devices:  Reset:  User\*:   
Comment\*:

OK Cancel

# Alarm Viewer

Alarm Viewer: PETRA

File View Options Navigate Help

Context: PETRA

Fatal	Error	Warning
0	0	0

Alarm Display:  Live  Archive

Fri Jul 05 14:26:08 Warning Severity >= 0 Selected/Total No. of Alarms: 0/0 Active Alarms Only (9 Disabled)

System	Device Name	Message	Sev	Alarm Descriptor	Alarm Time	Duration
Magnete		0 0 0		Kicker-Septa		0 0 0
H.Korrekt.Mag.		0 0 0		Orbit Feedback		0 0 0
V.Korrekt.Mag.		0 0 0		Feedback	0 0 0	0 0 0
e-Weg Korr.Mag.		0 0 0		PIT	0 0 0	0 0 0
HF		0 0 0		Timing&TopUp	0 0 0	0 0 0
Piloth.-Wasser		0 0 0		Machine Prot.	0 0 0	0 0 0
Temperaturen		0 0 0		Kolli.&Scraper	0 0 0	0 0 0
				Vakuum		2 0 0 0
				Strahlung		0 0 0
				Undulatoren		0 0 0
				Schirmonitore		0 0 0

14:27:26: Alarms loaded.

# [ Alarm Viewer ]

- Indication whether disabled alarm is currently active.

Disabled alarm list for Kontrollen in context PETRA

Enable	Server	Device Name	Message	Sev	CAS Code	Comment	Disabled By	Disabled At	Active
<input type="checkbox"/>	RadMonIP	P-012	Server Data Overflow - ...	8	640	Warning has been noted and will be dealt with.	LUMP	18:32:57.000 - Jun 05	<input checked="" type="checkbox"/>
<input type="checkbox"/>	VAC.ION_PUMP	VAC.ION_PUMP	more than 100 total alarms	8	115	Doocs<>Tine	TSOMMER	07:04:14.000 - Jun 03	<input checked="" type="checkbox"/>
<input type="checkbox"/>	VAC.HF_ION_PUMP	VAC.HF_ION_PUMP	more than 100 total alarms	8	115	Doocs<>Tine	TSOMMER	07:03:28.000 - Jun 03	<input checked="" type="checkbox"/>

Close

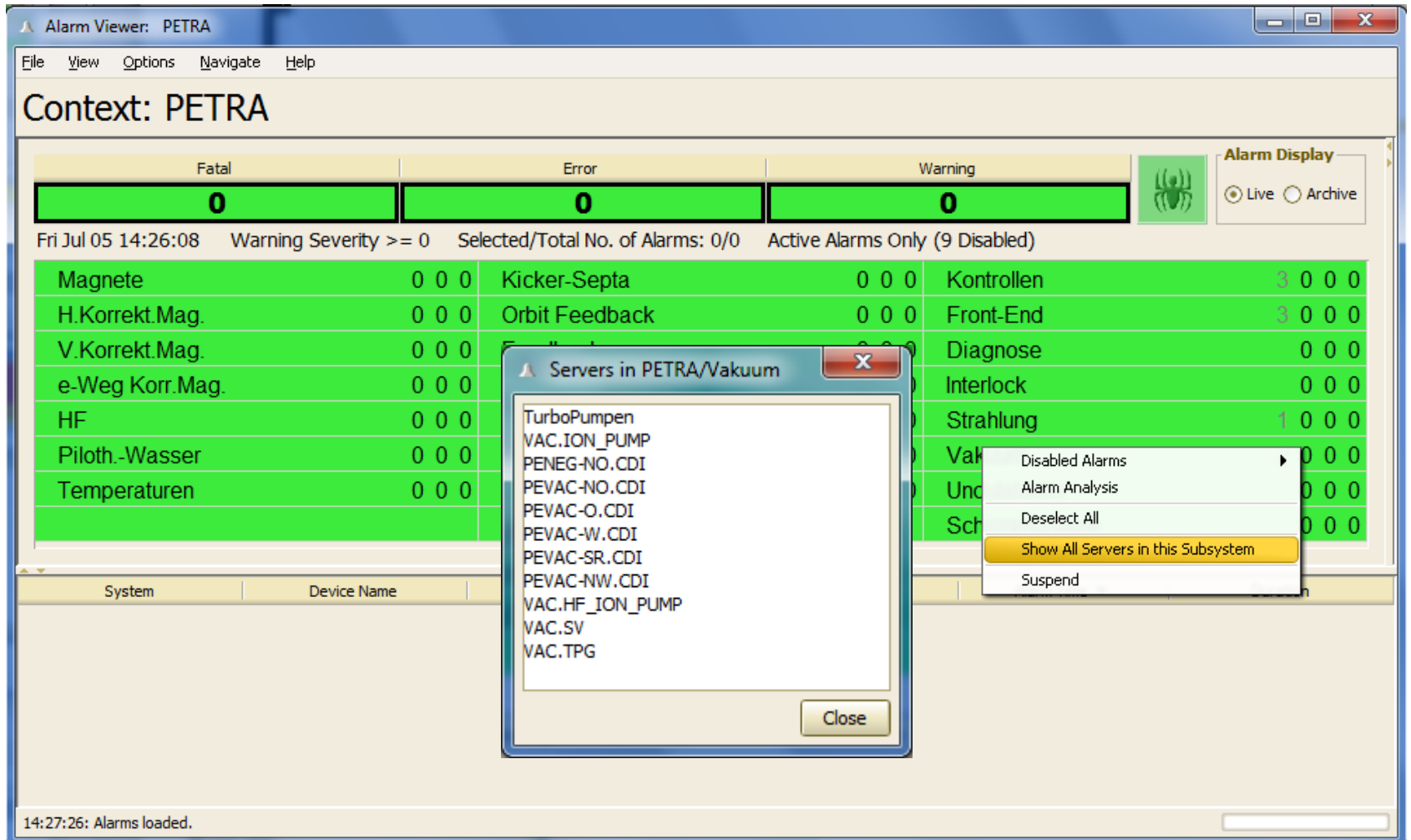
OK Cancel Apply

# Alarm Viewer

- Indication whether disabled alarm is currently active.

Enable	Server	Device Name	Message	Sev	CAS Code	Comment	Disabled By	Disabled At	Active
<input type="checkbox"/>	Kicker	all devices	5V-Netzteil	9	550			17:48:37.000 - Jun 24	<input type="checkbox"/>
<input type="checkbox"/>	Kicker	all devices	Kurzschliesser	9	551			17:48:37.000 - Jun 24	<input type="checkbox"/>
<input type="checkbox"/>	Kicker	all devices	Maschineninterlock / Vak...	9	552			17:48:37.000 - Jun 24	<input type="checkbox"/>
<input type="checkbox"/>	Kicker	all devices	Kuehlwasser	9	597			17:48:37.000 - Jun 24	<input type="checkbox"/>
<input type="checkbox"/>	Kicker	all devices	Fuehrung lokal	9	598			17:48:37.000 - Jun 24	<input type="checkbox"/>
<input type="checkbox"/>	Kicker	all devices	Kurzschliesser	9	599			17:48:37.000 - Jun 24	<input type="checkbox"/>
<input type="checkbox"/>	Kicker	all devices	Personeninterlock	9	600			17:48:37.000 - Jun 24	<input type="checkbox"/>
<input type="checkbox"/>	Kicker	all devices	Kuehlwasser	9	601			17:48:37.000 - Jun 24	<input type="checkbox"/>
<input type="checkbox"/>	Kicker	all devices	Fuehrung lokal	9	602			17:48:37.000 - Jun 24	<input type="checkbox"/>
<input type="checkbox"/>	Kicker	all devices	Kurzschliesser	9	603			17:48:37.000 - Jun 24	<input type="checkbox"/>
<input type="checkbox"/>	Kicker	all devices	Personeninterlock	9	604			17:48:37.000 - Jun 24	<input type="checkbox"/>
<input type="checkbox"/>	Chop.Power	PrP	Der Prepulser ist aus	12	515	Multibunchtest	DESYCON	13:21:38.000 - Jun 19	<input type="checkbox"/>
<input type="checkbox"/>	D2.EHF	Kicker EVICE 0	Sender Sued Sammelstoe...	7	513	zur Zeit Betrieb mit Sender Nord	COMONCON	23:24:24.000 - Jun 12	<input checked="" type="checkbox"/>
<input type="checkbox"/>	Chop.Power	all devices	Netzgeraet ist aus	12	514			14:14:03.000 - Apr 19	<input type="checkbox"/>
<input type="checkbox"/>	D2.EHF	all devices	DESY2	7	519			09:10:52.000 - Apr 13	<input type="checkbox"/>
<input type="checkbox"/>	D2.EHF	all devices	DESY2	7	520			09:10:45.000 - Apr 13	<input type="checkbox"/>

# Alarm Viewer



Alarm Viewer: PETRA

File View Options Navigate Help

Context: PETRA

Fatal	Error	Warning
0	0	0

Fri Jul 05 14:26:08 Warning Severity >= 0 Selected/Total No. of Alarms: 0/0 Active Alarms Only (9 Disabled)

System	Device Name	Fatal	Error	Warning
Magnete	Kicker-Septa	0	0	0
H.Korrekt.Mag.	Orbit Feedback	0	0	0
V.Korrekt.Mag.		0	0	0
e-Weg Korr.Mag.		0	0	0
HF		0	0	0
Piloth.-Wasser		0	0	0
Temperaturen		0	0	0

Servers in PETRA/Vakuum

- TurboPumpen
- VAC.ION\_PUMP
- PENEG-NO.CDI
- PEVAC-NO.CDI
- PEVAC-O.CDI
- PEVAC-W.CDI
- PEVAC-SR.CDI
- PEVAC-NW.CDI
- VAC.HF\_ION\_PUMP
- VAC.SV
- VAC.TPG

Close

14:27:26: Alarms loaded.



# ENS Administration

even more information at your fingertips ...

The screenshot displays the ENS Administration application window. The interface is divided into several panels:

- Administration Panel:** Includes a 'Toggle ENS' button, 'Current ENS: ENS#0', and 'Current ENS Address: 131.169.120.41'. It features dropdown menus for 'Available Contexts' (set to DESY2) and 'Set FEC Importance' (set to IMPORTANT).
- Servers in Context DESY2:** A list of servers including ACCLXD2R6E.WATCH, ALARMSTATE, ALMSTATE, AMGEN-VXW, AMGPRO, AMGPRO-VXW, AMGPRO2, AMGPRO2-VXW, AMGPRO2DEL-VXW, AMGPRO2MUX-VXW, AMGSCOPE-VI, ARCHIVER, BunchStrom\_IMA, Bunche.DE05, Bunche.DE17, CAS, CAS.ARCHIVE, CNT-VXW, CNT-Energie-VXW, CNT-Energie2-VXW, CSSPY, CYCLER, Chop.BlendenCmd, Chop.BlendenUpda, Chop.CDI, Chop.FanAnCo, Chop.MMM, Chop.Par, Chop.Power, Chop.PowerState, Chop.Push, and Chop.TimeStore.
- Registered FECs:** A list of FECs including D2MARCH, d2PiCoPy, D2PMARCH, D2QMESS.FEC, D2R3A.3, D2R3D.2, D2R3D.4, D2SMON.2, D2SPYFEC, D2STATESRV, D2TIMING.2, D2TRIM.3, D2UCIST.FEC, D2VAC, D2VacSV, D2VacTPG, D2ZYKLUS.2, DE\_DN\_Control, DE\_DN\_Cy28, DE\_DN\_Cy30, DE\_DN\_Cy32, DE\_DN\_Cy34, DE\_DN\_kly, DE\_DN\_Mod, DE\_DN\_TRANSMITTR, DOPETIM.FEC, ETG\_UTZ\_SRV, FREQ-VXW, GENS, GLOBALS.3, and TEADCALM.F.
- Servers on FEC D2MARCH:** A list containing /DESY2/ARCHIVER.
- Aliases for Server ARCHIVER:** A list containing /DESY2/DESYDATA.
- FECs on this Host:** A list containing L2MARCH, L2HISTORY, DOMA (/LINAC2/DESYDATA), DOHISTORY, DOPMARCH, D2MARCH, and D2HISTORY. A red arrow points to this list from a callout box.
- Info for Server ARCHIVER:** A table with the following data:

Local Name	DAQEQM
FEC	D2MARCH
IP Address	131.169.119.73
Port Offset	10
Host Name	accxcimarch2.desy.de
Location	bdlg 30 rm 103 CSR-8 (8)
OS	UNIX
Description	DESY Netmex Data Server and Archiver
Responsible	P.Duval
TINE Version	4.03.0008
Subsystem	SER
Hardware	None
- Group Servers (DESY2):** A list containing Mag.Group, PiPrivateCommands, PiPrivateSwitchables, PiAlarmsGroup, PiControls, and PiConditions.
- Group Members (Mag.Group):** A list containing Mag.Group.Main-LW2 [1], Mag.Group.Main [1], and Mag.Group.Corr [3].

A callout box with the text "FECs on Host !" and a red arrow points to the "FECs on this Host" list.

11:55:01: Server aliases loaded for DESY2/ARCHIVER.

# FEC Administration

> better, faster, stronger (and what's the CSS answer to this application?)

The screenshot displays the 'Server and FEC Remote Control Panel for LINAC2' application. The interface is divided into several sections:

- Subsystem List:** A grid of subsystems including DESYDATA, EVENTAPC, EVENTS, EVENTSTORE, Fan, Fan.Automatic, Fan.Counter, Fan.Hardware, Fan.Originator, Fan.Remote, Fan.State, Fan.Veto, FECSTATS, GLOBALS, GlobalsCollector, GlobalsInfo, Gun2Timing, GunLevProxy, and GunPiloProxy. Each subsystem is associated with specific control modules like L2PioProxy, L2ReTiming, L2Temp, L2TRCrf, L2TRIM.CDI, L2VAC.CDI, L2WdwProxy, LINACGLOBALS, LINACSTATE, LTG-VXW, LTGPH-VXW, LTGBU-VXW, LTGDEL-VXW, LTGPH-VXW, Mag.Corr, Mag.Corr-GTST, Mag.Group, Mag.Group.Corr, Mag.Group.Corr-GTST, PiControls, PiCoPy, PDisplayDeviceStates, PKeyBoxes, Pilo.2Auf, Pilo.2Sta, PPrivateCommands, PPrivateSwitchables, PPrivCmds\_piFieldLin..., PPrivCond\_piCentDe..., PPrivCond\_piFieldLin..., PPrivCtrls\_piCentDeLip, PPrivSwitsh\_piFieldLi..., PVideoSwitsh\_piField..., REGAEZYKHIST, ResetTrigger.CDI, RF.Attenuator.CDI, RF.BeamCurrentLimit..., RF.Modulator.CDI, RFModulatorStorage, RFMultiplexer, RFPhaseCabinet, SchirmMonL2, SchirmMonMux.CDI, SEQUENCER, STATE, StrahlBedarf, Strom.DC-PIA, TEMSENSORS.CDI, TriggerModule\_L2, UmschaltManager, VAC.ION\_PUMP (highlighted), VAC.SV, VAC.TPG, ZYKUNT-VXW, and ZzDoors.
- Summary:** Shows 'Active: 167 of 170 (11:27:43)' and 'VAC.ION\_PUMP: Active (11:28:25)'. A sub-summary indicates 'Servers in LINAC2 for the selected subsystems'.
- Context and Importance:** 'Context' is set to 'LINAC2' and 'FEC Importance' is set to 'ALL'.
- Selected Subsystems:** A grid of checkboxes for subsystems:  DIAG,  HIST,  INJ,  MAG,  MEX,  MISC,  PINTLK,  RF,  SER,  TIM,  VAC,  VIDEO, and  WDOG. 'ALL' and 'NONE' buttons are at the bottom.
- OS Color Code:** A row of colored squares for 'Dos', 'Unix', 'VxWorks', 'VMS', 'Win16', 'Win32', and 'Java'.
- Server Details (Right Panel):**
  - Selected FEC:** Io83a99af0.1f8
  - Selected Server [Local Name - on FEC]:** VAC.ION\_PUMP [DCSEQM]
  - Subsystem:** DIAG
  - Version:** 4.03.0008
  - OS:** UNIX
  - Address:** 131.169.154.240
  - Port Offset:** 504
  - Host Computer:** accxl2r6f.desy.de
  - Responsible:** wilksen
  - Description:** DOOCS server
  - Location:** bldg 30 rm 102 IE-R6 (6)
  - Importance:** NONE
  - Server App. Version:** unavailable
- Servers on FEC Io83a99af0.1f8:** A list containing 'VAC.ION\_PUMP [DCSEQM]' with buttons for 'Report', 'Attach FEC', 'Ping', 'Control', and 'Restart'.
- Activity Log:** A table showing 'FEC Activity' for 'Io83a99af0.1f8' with columns for Local Time, Start Time, Sys Poll Rate, Nr Bkg Tasks, Nr Total Contracts, Nr Total Clients, Nr UDP Packets Received, and Nr TCP Packets Received.
- Server Activity:** A table showing 'Server Activity' for 'VAC.ION\_PUMP' with columns for Server, LINAC2/VAC.ION\_PUMP contracts, and LINAC2/VAC.ION\_PUMP clients.
- FEC As Client:** A table showing 'FEC As Client' with columns for Nr Connections, Nr Connection Timeouts, and Nr Connection Arrivals.

# FEC Administration

Server and FEC Remote Control Panel for PETRA

File View Tools Help

Mag.Corr-EXL	PeCanEwC1	PE_SL_Cy3	TempStrom.CDI
Mag.Corr-EXM	PeCanEwC2	PE_SL_Cy3_CCD	TermoLogger
Mag.Corr-EXR	PeCanEwM1	PE_SL_Cy4	Timing_PE
Mag.Group	PeCanEwM2	PE_SL_Cy4_CCD	TIMING_PE.CDI
Mag.Group.Corr-W	PeCanExC1	PE_SL_Cy5	TOPUP
Mag.Group.Corr-TA	PeCanExC2	PE_SL_Cy6	Transfers
Mag.Group.Corr-SL	PeCanExC3	PE_SL_Cy6_CCD	TriggerModule_Pe
Mag.Group.Corr-SO	PeCanExC4	PE_SL_Kly1	TurboPumpen
Mag.Group.Corr-SW	PeCanExC5	PE_SL_Kly2	UNDBPOS
Mag.Group.Corr-NL	PeCanExC6	PE_SL_Mod1	Undulator
Mag.Group.Corr-NO	PeCanExM1	PE_SL_Mod2	VAC.HF_ION_PUMP
Mag.Group.Corr-NW	PeCanExM2	PE_SL_TRANSMITTR	VAC.ION_PUMP
Mag.Group.Corr-EXL	PeCanExM3	PE_SL_TRNSM_LINE	VAC.MS.QMG220
Mag.Group.Corr-EXM	PeCanExM4	PE_SR_Control	VAC.SV
Mag.Group.Corr-EXR	PeCanExM5	PE_SR_Cy1	VAC.TPG
Mag.Group.Main-W	PeCanExM6	PE_SR_Cy2	VAC.TSP
Mag.Group.Main-TA	PeCanNIC1	PE_SR_Cy3	VADataStorage
Mag.Group.Main-SL	PeCanNIC2	PE_SR_Cy4	VidAnl1
Mag.Group.Main-O	PeCanNIM1	PE_SR_Cy4_CCD	ZzDoors

Refresh Ping all Active: 323 of 328 (16:30:53)

Summary: Servers in PETRA for the selected subsystems

Context: PETRA

FEC Importance: ALL

Selected Subsystems

<input checked="" type="checkbox"/> DIAG	<input checked="" type="checkbox"/> EXP	<input checked="" type="checkbox"/> HIST	<input checked="" type="checkbox"/> INJ
<input checked="" type="checkbox"/> INSTR	<input checked="" type="checkbox"/> MAG	<input checked="" type="checkbox"/> MISC	<input checked="" type="checkbox"/> PINTLK
<input checked="" type="checkbox"/> RF	<input checked="" type="checkbox"/> SER	<input checked="" type="checkbox"/> TIM	<input checked="" type="checkbox"/> VAC
<input checked="" type="checkbox"/> VIDEO	<input type="checkbox"/> WDOG	<input type="checkbox"/> TEST	

ALL NONE

OS Color Code: Dos Unix VxWorks VMS Win16 Win32 Java

16:31:02: Normal

Selected FEC: Io83a997ab.1f8

Selected Server [Local Name - on FEC]: VAC.ION\_PUMP [DCSEQM]

Subsystem: VAC

Version: 4.03.0004

OS: UNIX

Address: 131.169.151.171

Port Offset: 504

Host Computer: accxpedocs1.desy.de

Responsible: O.Hensler

Description: DOOCS server

Location: bldg 30 rm 102 PE-R4 (3)

Importance: IMPORTANT

Server App. Version: unavailable

FECs on this host:

OP83a997ab.2e0

Io83a997ab.1f8

Io83a997ab.2908

Io83a997ac.1f8

P3TURBO

wa83a997ab.6a4

Servers on FEC Io83a997ab.1f8

VAC.ION\_PUMP [DCSEQM]

Report Attach FEC

Ping Control Restart

Ping & Control & Restart

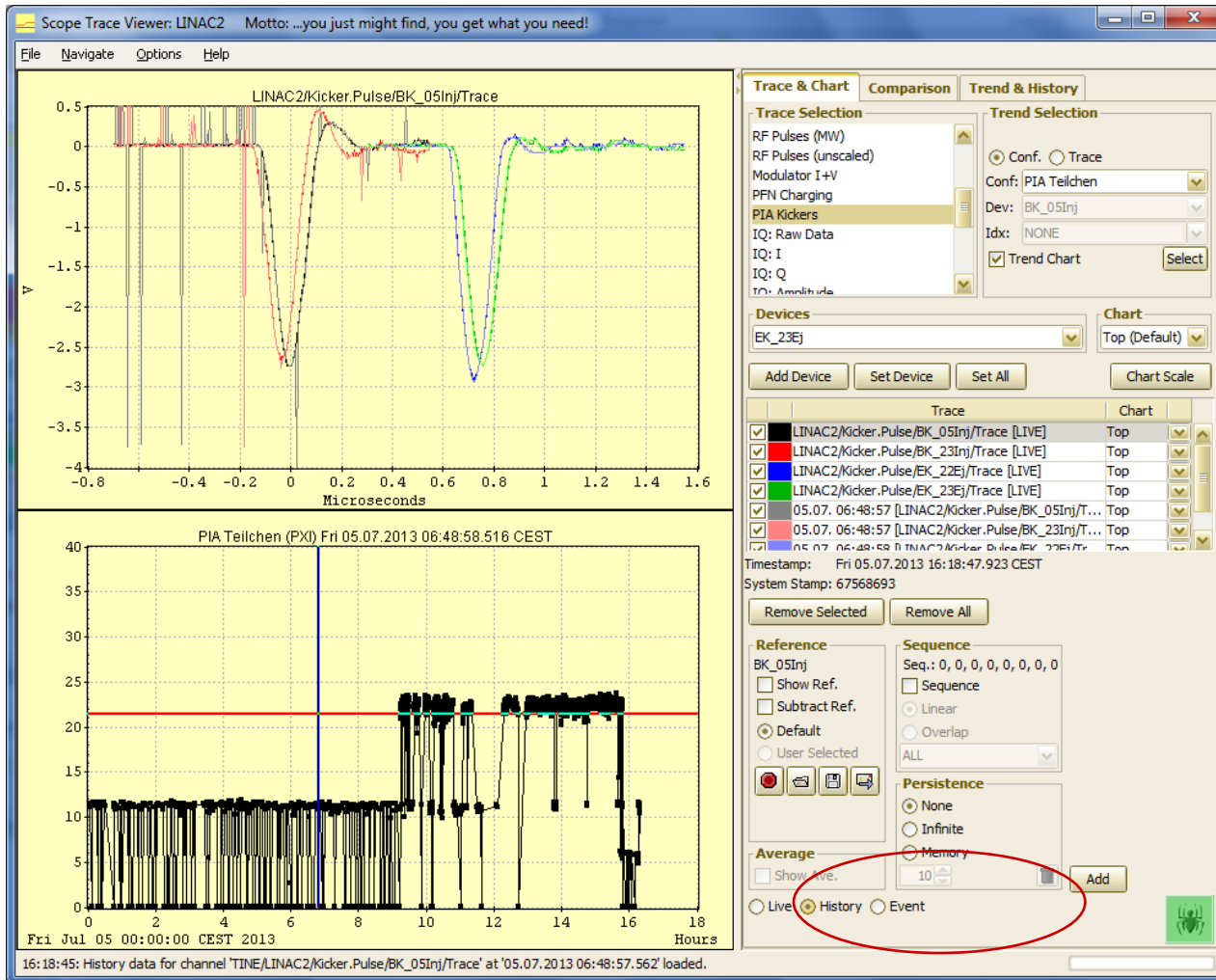
Activity Contracts Clients Alarms Log File Stats Histories Commands Settings IC

Server: VAC.ION\_PUMP

Nr of alarm def: 6

	#1	#2	Alarm Definitions		
almTag	can not switch	overload	Alarms		
almCode	1023	1024	Alarm Definitions		
almMask	255	255	Alarm Watch Table		
almSystem	0	0			
almSeverity	8	8			
almDataFormat	4	4			
almDataArraySize	64	64			
almOscWindow	127	127			
almOscPinned	0	0			
alarmText	can not switch	overload	device error	automat. off	offline
deviceText	VAC.ION_PUMP	VAC.ION_PUMP	VAC.ION_PUMP	VAC.ION_PUMP	VAC.ION_PUMP
dataText					
url					

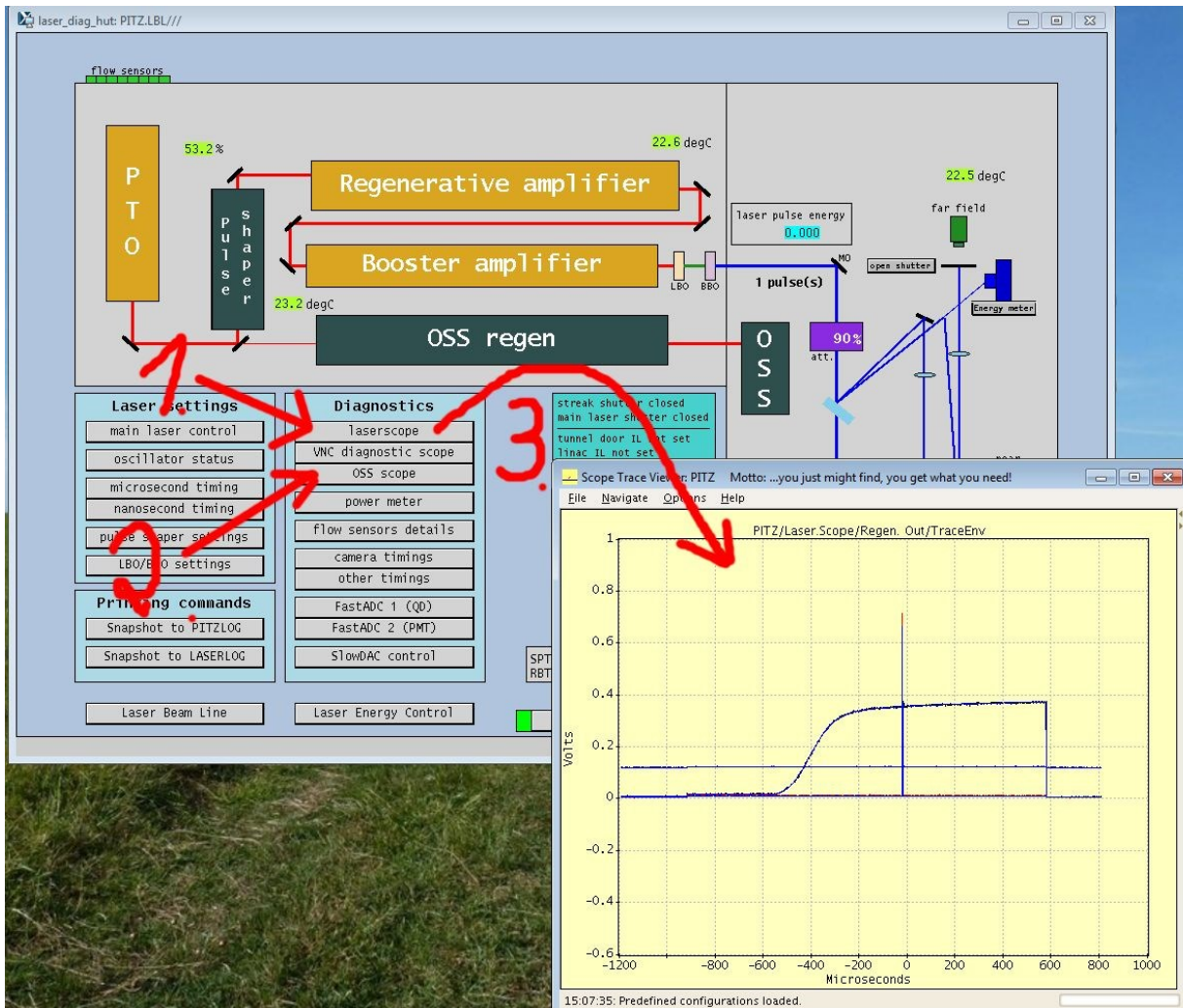
# Scope Trace Viewer



Histories now integrated into display.

Here: live + history references.

# Scope Trace Viewer at PITZ



# Acop Video Bean

