

Central Services / Common Applications

- What have Mark and Jaka been up to
...

[Common Applications]

- Archive Viewer
- Multi-Channel Analyzer
- Trend Chart Viewer
- Event Archive Viewer
- Transient Recorder Viewer
- Operation History Viewer
- Scope Trace Viewer

- offer “Important” contexts in navigation.
- popup console on unhandled runtime exceptions.
- many other bug fixes.

Archive Viewer

The screenshot displays the Archive Viewer application window. At the top, the title bar reads "Archive Viewer: MHF" and "Motto: Hold the Pickles, Hold the Lettuce...". The menu bar includes "File", "Navigate", "Options", and "Help".

The main area features a trend chart with a vertical axis from 0 to 80 and a horizontal axis from "Mar 07/00h" to "Mar 08/16h". A vertical red line is positioned at approximately Mar 07/10h. A context menu is open over the chart, listing options: "Chart Preferences...", "Add Annotation...", "Add Context Annotation...", "Edit Annotation...", "Remove Annotation...", and "Hide All Annotations". A tooltip above the chart says "Property Annotation: Click To View". A text box on the chart reads "Here is where things started to cool off ...".

Below the chart, a table shows the current time and a list of data points:

Time: Wed 07.03.2012 08:09:34.722 CET UTC: 1331104174

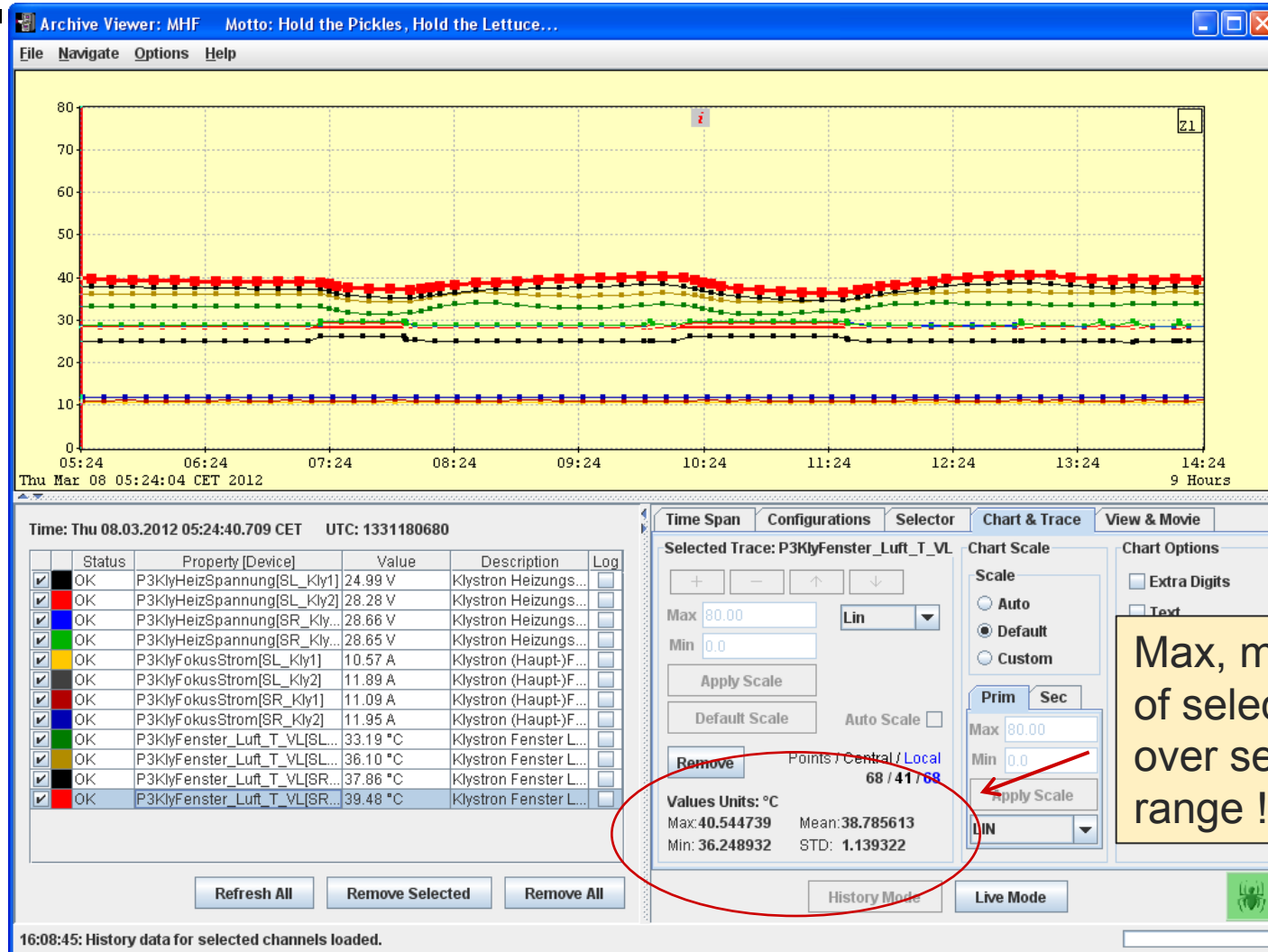
Status	Property [Device]	Value	Description	Log
<input checked="" type="checkbox"/>	OK P3KlyHeizSpannung[SL_Kly1]	26.09 V	Klystron Heizungs...	<input type="checkbox"/>
<input checked="" type="checkbox"/>	OK P3KlyHeizSpannung[SL_Kly2]	29.37 V	Klystron Heizungs...	<input type="checkbox"/>
<input checked="" type="checkbox"/>	OK P3KlyHeizSpannung[SR_Kly...]	12.64 V	Klystron Heizungs...	<input type="checkbox"/>
<input checked="" type="checkbox"/>	OK P3KlyHeizSpannung[SR_Kly...]	12.93 V	Klystron Heizungs...	<input type="checkbox"/>
<input checked="" type="checkbox"/>	OK P3KlyFokusStrom[SL_Kly1]	10.57 A	Klystron (Haupt)-F...	<input type="checkbox"/>
<input checked="" type="checkbox"/>	OK P3KlyFokusStrom[SL_Kly2]	11.88 A	Klystron (Haupt)-F...	<input type="checkbox"/>
<input checked="" type="checkbox"/>	OK P3KlyFokusStrom[SR_Kly1]	0.20 A	Klystron (Haupt)-F...	<input type="checkbox"/>
<input checked="" type="checkbox"/>	OK P3KlyFokusStrom[SR_Kly2]	11.95 A	Klystron (Haupt)-F...	<input type="checkbox"/>
<input checked="" type="checkbox"/>	OK P3KlyFenster_Luft_T_VL[SL...]	31.53 °C	Klystron Fenster L...	<input type="checkbox"/>
<input checked="" type="checkbox"/>	OK P3KlyFenster_Luft_T_VL[SL...]	34.31 °C	Klystron Fenster L...	<input type="checkbox"/>
<input checked="" type="checkbox"/>	OK P3KlyFenster_Luft_T_VL[SR...]	30.81 °C	Klystron Fenster L...	<input type="checkbox"/>
<input checked="" type="checkbox"/>	OK P3KlyFenster_Luft_T_VL[SR...]	36.21 °C	Klystron Fenster L...	<input type="checkbox"/>

At the bottom, there are buttons for "Refresh All", "Remove Selected", and "Remove All".

Can now add record or context annotations !

Add all array elements to trend chart with 1 click !

Archive Viewer



Max, min, rms, std
of selected record
over selected time
range !

Archive Viewer

The screenshot displays the Archive Viewer application window. The title bar reads "Archive Viewer: PETRA Motto: Hold the Pickles. Hold the Lettuce". The main window is divided into several sections:

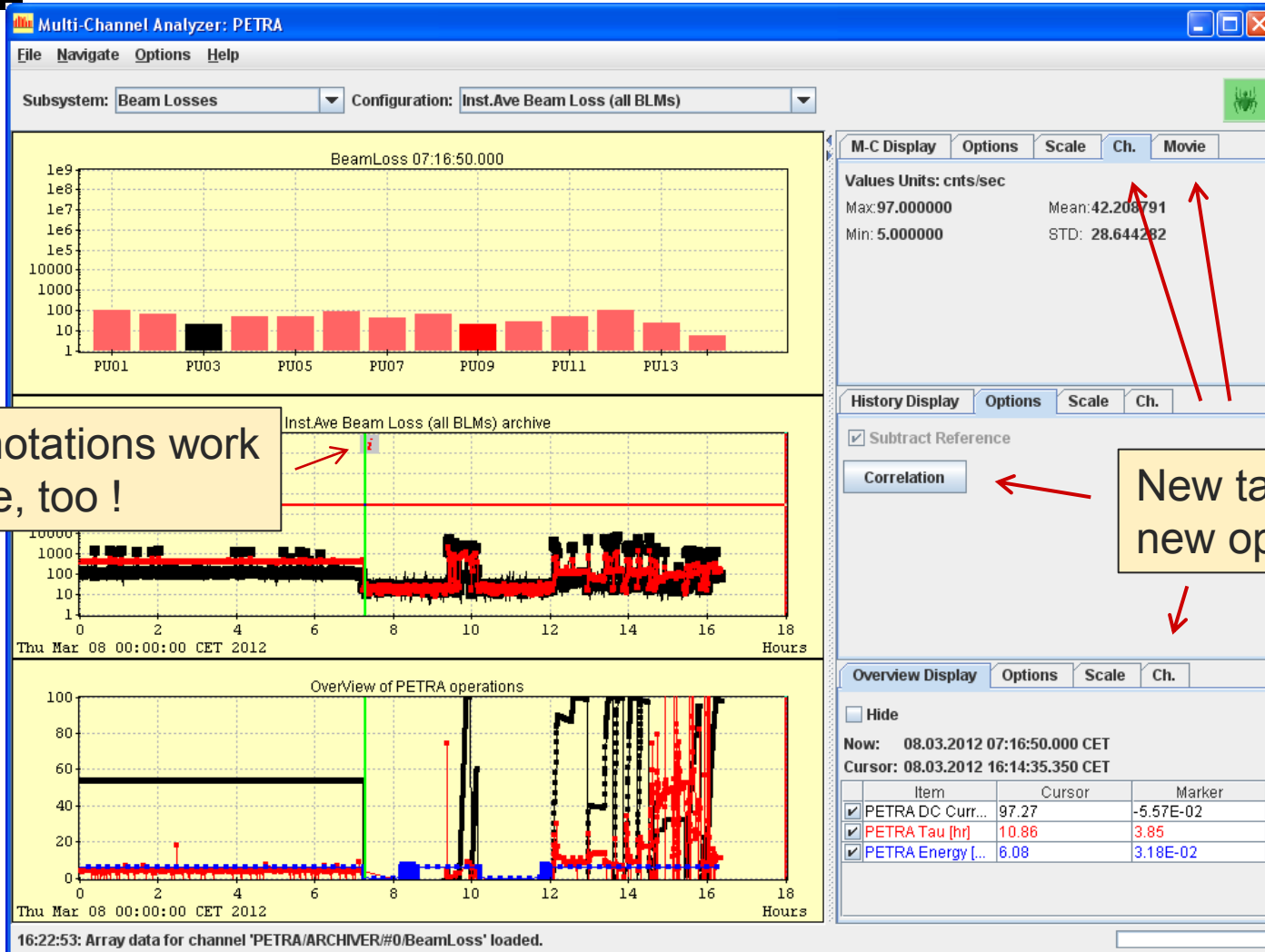
- Navigation Menu:** A list of storage rings: DESY2, DORIS, FLASH, HERA, LINAC2, MHF, PETRA (selected), PITZ, and REGAE. A checkbox for "Important Only" is checked.
- Plot Area:** A time-series plot showing data from Feb 28 to Mar 05. The y-axis ranges from 0 to 20. Multiple data series are plotted in red, blue, and black. A callout box points to the plot with the text: "Primary navigation selection shows only 'important' contexts!".
- Time Span Configuration:** A panel on the right with tabs for "Time Span", "Configurations", "Selector", "Chart & Trace", and "View & Movie". The "Interval" sub-tab is active, showing "Start Date" (28 February 2012, UTC [s] 1330383600) and "End Date" (6 March 2012, UTC [s] 1331074799). Callout boxes point to these fields with the text: "Time span interval: Combo box selection coupled with UTC text boxes!".
- Status Table:** A table at the bottom left showing system status for Energy, CurDC, and TauDC.
- Buttons:** "Refresh All", "Remove Selected", "Remove All", "Apply", "Cancel", "History Mode", and "Live Mode".

Status	Property [Device]	Value	Description	Log
<input checked="" type="checkbox"/> OK	Energy	6.08 GeV	Magnet Energy	<input type="checkbox"/>
<input checked="" type="checkbox"/> OK	CurDC	-0.04 mA	DC Strom OR-08	<input type="checkbox"/>
<input checked="" type="checkbox"/> OK	TauDC	-2.00 hr	Beam Lifetime	<input type="checkbox"/>

Time: Tue 28.02.2012 08:56:24.478 CET UTC: 1330415784

16:13:23: History data for selected channels loaded.

Multi-Channel Analyzer



Annotations work here, too !

New tabs with new options !