

StripTool Plans

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Fall 2002
EPICS Collaboration

Controls Group

It's a Collaboration!

- **No longer just one StripTool maintainer**
 - * **Chris Larrieu @ JLAB**
 - * **Albert Kagarmanov @ DESY**
 - * **Ken Evans, Janet Anderson @ APS**
 - * **Others**
- **Master source, coordination**
 - * **APS CVS repository**
- **EPICS Open License**



APS

- **DESY/SLAC features integrated**
- **In CVS as an EPICS extension**
- **Code cleanup and bug fixes**
- **Toolbar: Right-click, Reset button, etc.**
- **Command-line configuration file logic**
- **Disable pop-up on signal connection**
- **Now working on Windows**
- **Help, Documentation in progress**

JLab

- **Access CZAR history server**
- **Better axis tic marks**
- **Trending autoscale**



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Prior Enhancements

➤ DESY

- * **Y-Axis controls (pan, zoom)**
- * **Autoscale**
- * **Time range selector**
- * **HistoryRecord support**
- * **Misc. tweaks**

➤ SLAC

- * **Misc. tweaks**



Status

➤ Present

- * **Ken: Merging DESY, SLAC, APS features**
- * **Chris: Merge in recent JLAB modifications**
- * **We'll announce the new version**

➤ Future

- * **Mostly “done”**
- * **Agree on new features before hacking**

➤ Next generation

- * **Java-based Swing app**
- * **Integrate functionality of XARR and StripTool**



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Next Generation: Why Java?

- **Rich cross-platform API**
 - * **Graphics & controls**
 - * **Printing**
 - * **Threading**
- **Web-friendly**
- **CORBA Native**
 - * **Access history server**
 - * **CA ⇔ CORBA gateway**
- **JDBC / XML**



Goals

- **Configuration / preferences: XML, database**
 - * **Extensibility, simplicity**
- **Control system: CORBA \Leftrightarrow CA proxy**
 - * **Avoid platform-specific CA library**
- **Archive data: JLAB History API**
- **Dynamic data display**
 - * **Report, Graph, Correlation**
- **Decoupled data buffer (ring buffer server)**
 - * **Stop & restart, without losing any data**