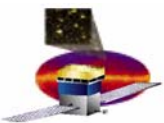


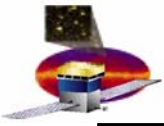
Trend Calibration Constants

Xin Chen



Introduction

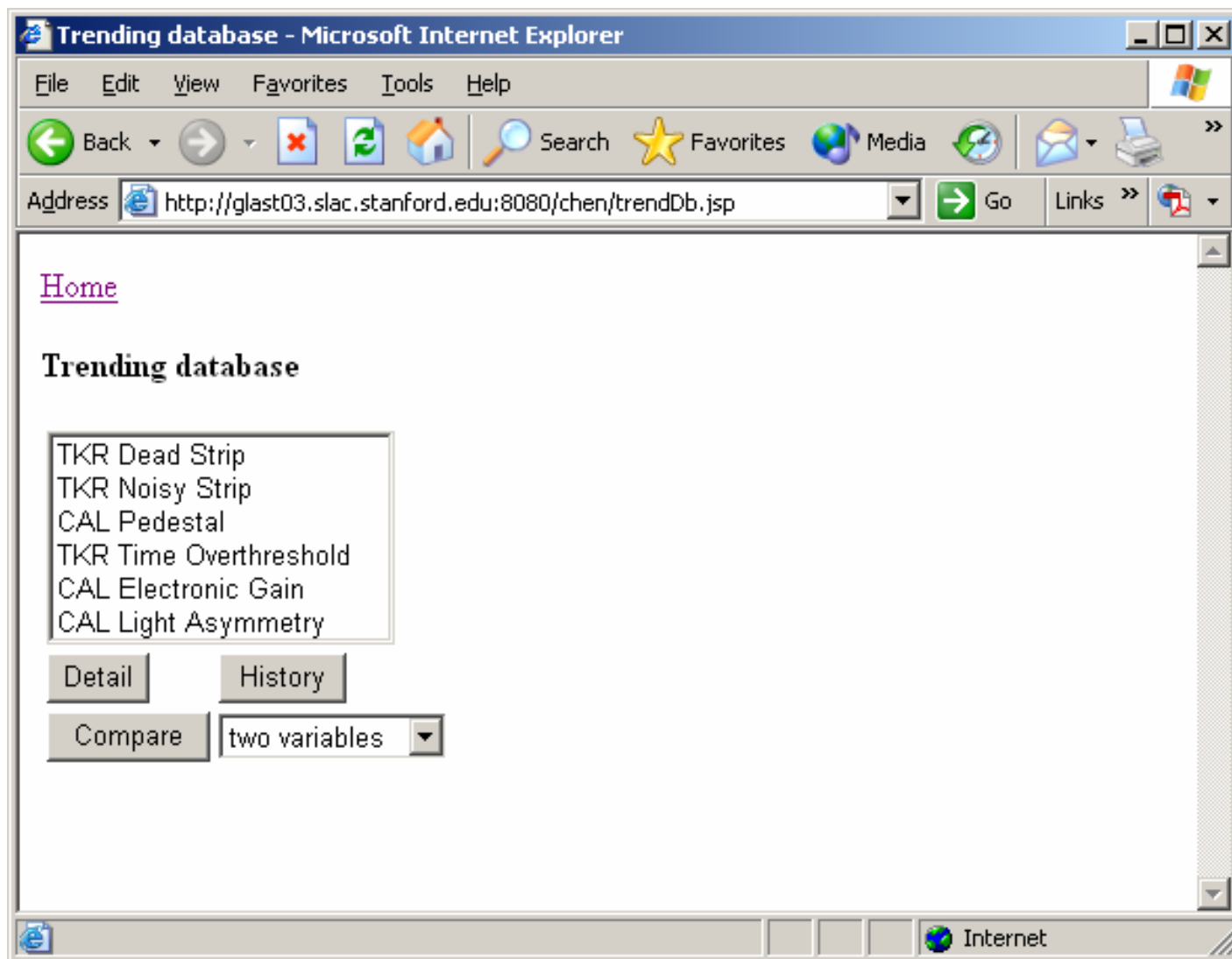
- **Goals**
 - **Study stability of the calibration constants**
 - **Look for correlation between the constants and house keeping data (e.g. temperature)**
- **Implementations (I&T/ISOC)**
 - **Stores the constants and the house keeping data in Oracle database**
 - **Use JSP application to display trending results on the web**
- **Advices/suggestions are needed on what and how to trend**



A demo

- <http://glast03.slac.stanford.edu:8080/chen/trendDb.jsp>

A demo



The screenshot shows a Microsoft Internet Explorer browser window. The title bar reads "Trending database - Microsoft Internet Explorer". The address bar contains the URL "http://glast03.slac.stanford.edu:8080/chen/trendDb.jsp". The main content area displays a "Trending database" page with a list of variables: TKR Dead Strip, TKR Noisy Strip, CAL Pedestal, TKR Time Overthreshold, CAL Electronic Gain, and CAL Light Asymmetry. Below the list are buttons for "Detail", "History", and "Compare", along with a dropdown menu set to "two variables".

Home

Trending database

- TKR Dead Strip
- TKR Noisy Strip
- CAL Pedestal
- TKR Time Overthreshold
- CAL Electronic Gain
- CAL Light Asymmetry

Detail History

Compare two variables

A demo

TKR tot detailed info - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites Media

Address <http://glast03.slac.stanford.edu:8080/chen/TkrTotDetail.jsp?time=2003-10-07+16%3A40%3A00&tower=0&tray=0&pos=1> Go Links

[Home](#)

Dead channel in TKR (detail)

Calibration time: 2003-10-07 16:40:00
 Tower: 0 Tray: 0 Pos: 1

Submit Query

Calibration time	Tower	Tray	Pos	Strip	P0	P1	P2	Chi square
2003-10-07 16:40:00	0	0	1	0	0.2473897933959960	0.9685025215148930	0.5028777122497560	2.62797951698303
2003-10-07 16:40:00	0	0	1	1	0.19214391708374	0.1915861368179320	0.6635591983795170	3.76994848251343
2003-10-07 16:40:00	0	0	1	2	0.6601649522781370	0.9369804859161380	0.3125469684600830	3.09684276580811
2003-10-07 16:40:00	0	0	1	3	0.5888632535934450	0.20046865940094	0.1756575107574460	4.96361637115479
2003-10-07 16:40:00	0	0	1	4	0.2084043025970460	0.2816969156265260	0.5285429954528810	9.40301895141602

Done Internet

A demo

