Data Quality Flagging
S5 Elog Entries

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Issue:
Important DQ Information in Elogs

- Elogs - Electronic logs for both Livingston and Hanford sites

- Record of observations made of environmental and detector issues that could affect data quality

- Need a list of "flags" based on these observations

  » Date of observation may not be the same as data affected

  » Computer-readable list

Work Done So Far

- Webpage http://www.andrews.edu/~tzs/detchar

- Two Andrews undergraduates - Nick Valles and Jon Van Ornam started listing DQ flags

  » ~ 2 months at each site

Work Done So Far

LIGO-G070101-00-Z

Work Needed

- Fill in the rest of the webpages!
  - » Translate elog observations to data quality flags
  - » Record start & stop times, segments affected, etc

- Call for volunteers

Ideas for Improvements

- Increase automation for generating web pages
- Switch computer-readable format to ilwd
  - » ilwd - xml with certain headers
  - » ilwdread - MATLAB function in Ligotools
  - » ilwdwrite - MATLAB function to write ilwd
- Any suggestions?