

Web Interface for Human-Generated Data Quality Flags

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Outline

- 1 History
- 2 Website Overview
 - Brief Tour of <http://www.andrews.edu/~tzs/flagentry/>
 - Website Demonstration
- 3 Features to be Implemented
- 4 Conclusions

July 2007

Proposal to maintain a separate site for Human Generated DQ Flags for the S5 data run

Situations Meriting Data Flags

- Train passing by
- Aftershock
- Tumbleweed Bailing



Technical Notes

- Powered by PHP 5.0
- DQ Flags stored as ILWD files
- Located at <http://www.andrews.edu/~tzs/flagentry/>

Site Contents

- Flag Entry Form
- View Hanford/Livingston Flags
- Flag Query Form

Flag Entry · Site Flags · Search Form



S5 Elog DQ Flag Entry

Affected Detector: Flag: If OTHER_ELOG enter suggested new flag name: Short description: Start time: : : Start GPS: Stop time: : : Stop GPS: Elog URL: User Name (Last, First):

[Enter New Data Flag](#) | [Hanford DQ Flags](#) | [Livingston DQ Flags](#) | [Search DQ Flags](#)
[Site Guide and FAQs](#) | [Download Hanford ILWD File](#) | [Download Livingston ILWD File](#)

Flag Entry · Site Flags · Search Form



Hanford, WA Elog DQ Flags



Site	Flag	Comment	Start Time	Stop Time	Start GPS	Stop GPS	URL	Contributing User
H1	AFTERSHOCK_ELOG	this is a test	Jan 1, 2006 1:00:00 UTC	Feb 1, 2006 5:00:00 UTC	820108814	822787214	cnn.com	Riles, Keith
H1	AFTERSHOCK_ELOG	The earth practically disintegrated.	Jan 1, 2007 1:00:00 UTC	Jan 26, 2007 5:00:00 UTC	851648414	853822814	http://the.big.kabloole/	X. Agerator
H1	AIRCRAFT_ELOG	Cropdusters buzzing LIGO	Sep 1, 2006 14:11:00 UTC	Sep 1, 2006 14:13:00 UTC	841155074	841155194	http://barn.storm.ers	CapW'n Jack
H1	FLAKY_SERVO_ELOG	The flakiest servo ever	Mar 3, 2006 1:10:04 UTC	Mar 3, 2006 1:10:06 UTC	825383418	825383420	www.andrews.edu	nick, valles
H1	HIGH_WIND_ELOG	High Winds	Jan 1, 2006 1:00:00 UTC	Jan 1, 2006 2:00:00 UTC	820112414	820116014	www.fakeurl.does.not.exist	nick, v
H1	TRAIN_ELOG	There was a train	Aug 27, 2007 5:17:12 UTC	Aug 28, 2007 5:19:37 UTC	872227046	872313591	http://train.going.by	Bob Johnson
H2	VEHICLE_ELOG	Delivery Truck	Jan 1, 2006 2:00:00 UTC	Jan 1, 2006 3:00:00 UTC	820116014	820119614	nothing.not.here	nick, v

7 records found.

Table generated Tuesday, March 18th 2008 at 12:32:17 PM

[Get results in ILWD/text format.](#)

[Enter New Data Flag](#) |
 [Hanford DQ Flags](#) |
 [Livingston DQ Flags](#) |
 [Search DQ Flags](#)
[Site Guide and FAQs](#) |
 [Download Hanford ILWD File](#) |
 [Download Livingston ILWD File](#)

If you have any questions or suggestions regarding this site, please send them to [tzs at andrews dot edu](mailto:tzs@andrews.edu).

Flag Entry · Site Flags · Search Form

Data Flag Query Form

☒ Affected Detector

- H1
 H2
 L1

☒ Data Flags

- | | | |
|--|---|--|
| <input type="checkbox"/> AFTERSHOCK_ELOG | <input type="checkbox"/> HEAVY_MACHINERY_ELOG | <input type="checkbox"/> TUMBLEWEED_BAILING_ELOG |
| <input type="checkbox"/> AIRCRAFT_ELOG | <input type="checkbox"/> HIGH_MICROSEISMIC_ELOG | <input type="checkbox"/> VEHICLE_ELOG |
| <input type="checkbox"/> CONLOG_TROUBLE_ELOG | <input type="checkbox"/> HIGH_WIND_ELOG | <input type="checkbox"/> WATER_SKID_ELOG |
| <input type="checkbox"/> EXPLOSION_ELOG | <input type="checkbox"/> HUMAN_INTRUSION_ELOG | <input type="checkbox"/> OTHER_ELOG |
| <input type="checkbox"/> FLAKY_DAQ_ELOG | <input type="checkbox"/> NONSTAND_CONFIG_ELOG | |
| <input type="checkbox"/> FLAKY_SERVO_ELOG | <input type="checkbox"/> TRAIN_ELOG | |

☒ Find Flags within a Timespan

Start time: Jan 1 2006 [] [] [] 24 Hour UTC

Stop time: Jan 1 2006 [] [] [] 24 Hour UTC

Start GPS: [] Stop GPS: []

Flags Submitted by User []

(Currently only supports one user. Needs exact name)

Sort Search Results

Sort 1st: Flag Sort 2nd: Start Time Sort 3rd: Stop Time

Reset Query Form Submit Query



Coming Soon

- Put a list of contributors on the search page
- Generalizing user search so that “an” returns names jANet, ANdy, ThornmAN, etc.
- Add the option to prune certain flags from display results
- Make search results directly downloadable in preferred format

- DQ Flag Site is functional
- Site is ready for a workout
- We are continuing to develop new features as needed
- Goal: Ensure site is running smoothly for eLIGO