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# Orientation and Overview

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***Detector Investigation Camp  
LIGO Hanford Observatory  
August 20-22, 2004***

LIGO-G040337-00-Z

*Camp orientation / overview -- 2004.8.20*

***K. Riles - University of Michigan***

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# Welcome!

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## WEB INFO:

Permanent camp web site URL:

<http://www.ligo-wa.caltech.edu/~keithr/detcamp04/>

Instructors should provide web-accessible material for archive

GC public\_html directories convenient for now

( e.g., [www.ligo-wa.caltech.edu/~keithr/](http://www.ligo-wa.caltech.edu/~keithr/) in ~keithr/public\_html)

→ Send me your URL's (preferably before your presentation)



# Computer support

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## IDEAL:

Everyone has laptop (Windows or linux) and is able to reproduce demos / examples of instructors here in auditorium  
(attending with own laptop, X windows support, MATLAB license)

## REALITY:

Not all of the above true for everyone attending

Limited number of on-site MATLAB licenses

Some control room software difficult to run remotely

→ Have some workarounds, but may not run smoothly



# Computer support

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## NUMBERS:

Originally envisioned “DMT camp” of **10-15** persons

Scope broadened to include other tools, most notably MATLAB and Grid software (Penn State sessions) → expected **~25** persons

Actual number of instructors / students = **50** (as of yesterday)

**May have trouble dealing with expected large variety of computer configurations – bandwidth may become an issue at times**

**→ Please be patient as we help sort out your troubles  
(and feel free to help your neighbors)**

**(bandwidth will be less of a problem in the “real world” following camp – in control room or at home institution)**

LIGO-3010337-002



# Overview of Schedule

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## FRIDAY

- DMT
- DTT
- PEM channels
- MATLAB

## SATURDAY

- DMT tools
- DMT monitors
- IFO channels
- Data access

## SUNDAY

- DMT tools
- DTT tools
- TCL tools
- Grid computing

**Broad introduction to a variety of tools  
useful for investigating detector artifacts**

**Online;**

**Quasi-online;**

**Offline**



# PEM Sensor Tours of LVEA

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Today Robert Schofield will be giving tours at lunchtime and at the afternoon break of various physical environmental monitoring (PEM) sensors

Meant to give tool users and authors a feel for meaning of the PEM channels and sensor nearness to key optical tables (e.g., dark port)

**Must limit tour groups to 20 persons each**

**→ Signup sheet being passed around**



# Grid Computing

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**If you will participate in Grid computing sessions, please get started early on the process of getting a Grid certificate and getting accounts on Grid computers.**

**Detailed instructions linked to camp web page – somewhat cumbersome, but should be doable before Sunday sessions, with persistence.**



# Thanks!

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Many thanks (in advance) to Christine Barker, Dave Barker, Ben Johnson, Daniel Sigg, Keith Thorne, and John Zweizig for technical support of the camp.

And many thanks to the session instructors

## Let's Learn!