

---

# **LSC Software Coordinator Report**

Alan Wiseman  
University of Wisconsin -- Milwaukee  
LIGO-G010178-00-Z

**LIGO**

Inch Pebbles

**LDAS**

Software Standard

**Upper Limits Groups**

Characterization = DC

Mock Data Challenges

Software

**DMT**

Board = SCCB

- frameAPI
- dataCond
- mpiAPI
- wrapperAPI
- metaDataAP

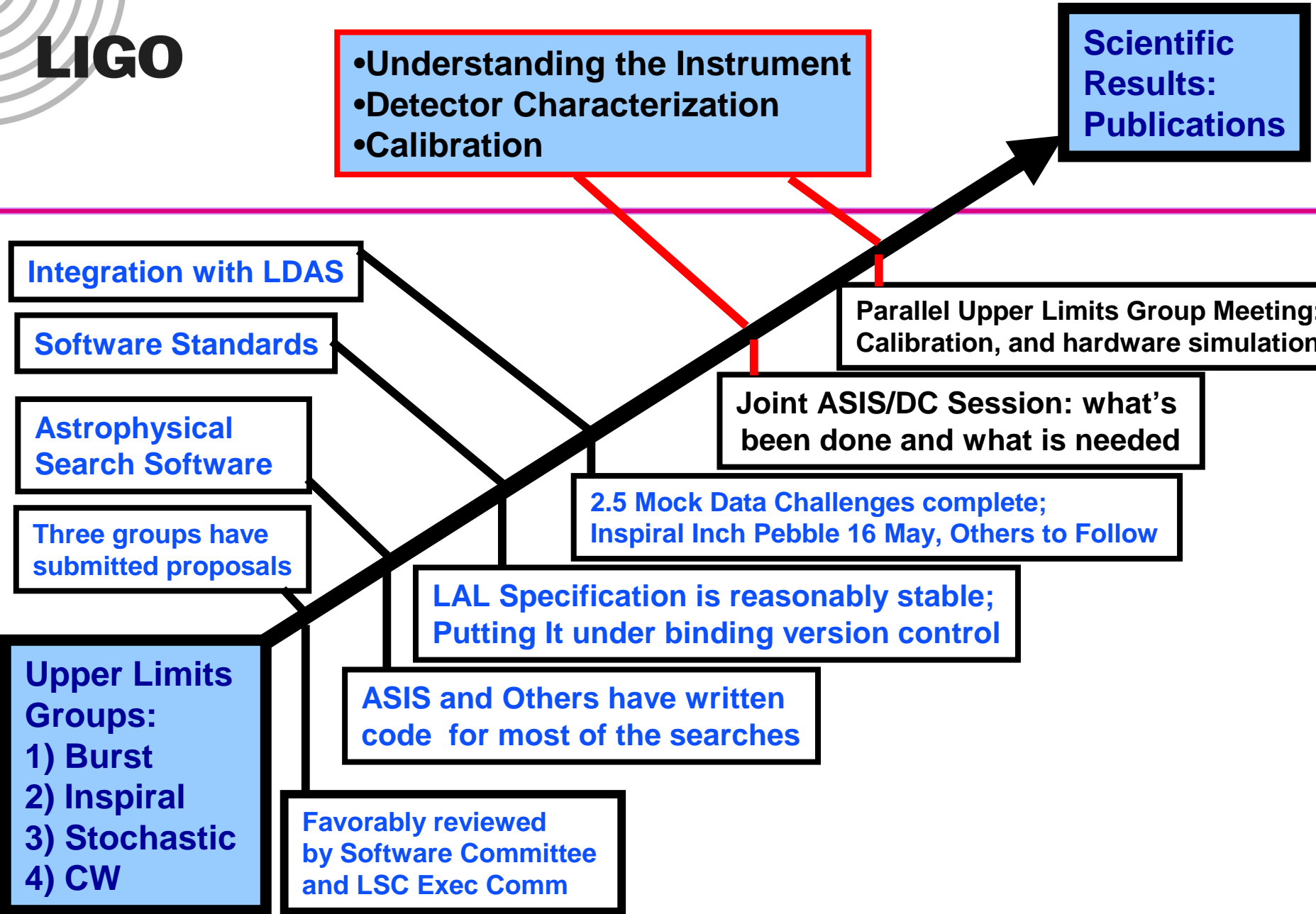
**LAL**

**ASIS**

LSC Z000.0

LSC at LLO 2001.03.13-17

LIGO Scientific Collaboration - University of Wisconsin - Milwaukee



# Mock Data Challenges

- **Data Conditioning MDC [Complete] Sam Finn.**
  - » Spigots from which the search code will get the data
- **MPI MDC [Complete: January 2001] Patrick Brady Brady**
  - » Interface layer between LDAS and LAL search code.
- **Database MDC [Spring 2001] Peter Shawhan.**
  - » Drain where the search code will dump the candidate events
- **Scientific Inchpebbles [Spring- Summer 2001].**
  - » Sequential Integration of all the search algorithms into the LDAS system

# Software standard (LAL Spec)

- Motivation for the software specification
  - » “... software specification that fosters widespread use and collaborative development of a well tested analysis library”
  - » “... all groups will be required to perform scientific analysis of LIGO data using LAL compliant software”.
    - As we move toward publications, **LAL becomes the law.**
- Status: Complete.
  - » Awaiting “binding version control”
    - Software Change Control Board will have the last word in whether to change the specification.
      - Jolien Creighton (LAL Librarian)
      - John Zweizig
      - Stuart Anderson

# Status of the search software

- Being developed under CVS
  - » Cultural engineering: groups and individuals take responsibility for their package and the entire archive
- 400 pages of documentation
  - » autodocumentation system [LaTeX and 3 commands]
- Software is reasonably compliant with the software standard
  - » Required some retrofitting
- Formal bug tracking system

**I'm an LSC member, and I want to analyze data. Where do I start?**

**LDAS Tutorial tomorrow**



*LSC 2000.0*

