

# Status of Data Analysis

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**G030443-00-Z**

*LSC at GEO 2003.08.18-21*

*LIGO Scientific Collaboration - University of  
Wisconsin - Milwaukee*

- We have papers submitted to gr-qc  
.... and more on the way
- Instrument paper: **gr-qc0308033**
- Pulsar paper: **gr-qc0303050**
- Inspiral paper: Approved  
Will be submitted on a timescale of hours-days
- Stochastic Background Paper:  
In the final stages of approval
- Burst: Complete draft is ready. Entering the review process.
- But still need to deal with external review.

- Many problems and delays
  - Both technical, procedural
- One problem we don't have:  
Analysis wasn't done in secret.  
It was done in the open
- UL Chairs deserve credit.

- If you are an author ...  
thank **Stan Whitcomb** and Peter Saulson, Irena Petrac, Albert Lazzarini, Thomas Frey.
  - Assembling author list of 300+ names, institutions, former institutions ....
- Sorry about all the spam! The effort to locate legacy authors emails and addresses was successful.

# Review Process

- Started Dec 02/Jan 03
  - Burst: Nergis Mavalvala, Jolien Creighton, Joel Tohline
  - Inspiral: Vicki Kalogera, John Whelan, Bill Kells
  - Pulsar: Fred Raab, Peter Shawhan, Sathya
  - Stochastic: Bruce Allen, Stuart Anderson, Harry Ward
  - Thanks to all!!
- Reviewers had Input into the direction of the papers
- Presented the review findings at the March LSC Mtg.
- Called on several time to review vugraphs for talks:
  - AAAS Meeting, APS Meeting
- Next to final review in June (Prior to LSC Exec Comm)
- Final Review: following Exec Comm conditional approval.
- Likely called on again to address Journal referee's comments.

- March 03: Build a grass roots effort to port our of our searches to grid.
- Became Part of LSUG (LSC Software Users Group)
- Almost all search types are now implemented using some grid tools
- Inspiral, burst and CW regularly do 30,000 Watts of computing. (300 cpus maxed out).
- Inspiral: several passes through the full set of triple coincident data.



# LIGO RDS Generation and Distribution

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- CompComm: Identified this as a mission-critical step in the data analysis.
- Philip Charlton has agreed to take the lead in organizing this effort.
- Building a team of the willing and interested, ie people at the teir-2 centers who want/need the data
- Philip will present his plan/timetable to the analysis group chairs.
- Input from Isabel Leonor for the science requirements of the RDS's.