
Introduction to Detector Characterization Sessions

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University of Michigan & LIGO Hanford Observatory

LIGO Scientific Collaboration Meeting

LIGO Livingston Observatory

August 15, 2000

Welcome!

Many talks over the next three days:

- **Speakers:** Please keep to your times
(Minutes reported only if hardcopy or e-file provided)
- **Questioners:** Discussion may have to be cut off at times

Points to discuss / resolve in next three days:

- Unfilled DMT tasks (see later talk)
- Better integration of DC group into on-site science and participation in upcoming engineering runs & data taking shakedowns
(Round table discussion this afternoon)
- Infrastructure (hardware & software) for future off-site DC analysis
(Round table discussion tomorrow morning)

Detector Characterization W.G. Sessions Agenda

Tuesday Afternoon Session (4:15 – 6:30)

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|-----|----------------------|---|
| 5' | Riles/Sigg(Mich/LHO) | Introduction |
| 20' | Zweizig(LIGO-CIT) | Status of the Data Monitoring Tool (DMT) |
| 10' | All | Discussion |
| 10' | Strom(Oregon) | Status of Data Set Reduction |
| 5' | All | Discussion |
| 15' | Finn(PSU) | Status of Data Set Simulation |
| 5' | All | Discussion |
| 15' | Riles(Michigan) | Status of DMT Software Tasks |
| 5' | All | Discussion |
| 20' | All | Round-table discussion of LSC activity
at the sites and the upcoming
engineering runs |

Detector Characterization W.G. Sessions Agenda

Wednesday Morning Session (9:00 – 10:15)

20' Klimenko(Florida)	LIGO Data Compression with Wavelets
5' All	Discussion
10' Strom(Oregon)	Correlations between Tiltmeters & Arm Length
5' All	Discussion
15' Shawhan(LIGO-CIT)	Offline Analysis Environments and Tools
10' Sigg (LIGO-LHO)	Data Access Rates And Storage Options
20' All	Round-table discussion of future off-site DC analysis

Detector Characterization W.G. Sessions Agenda

Wednesday Afternoon Session (1:00 – 3:45)

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|-----|---------------------|--|
| 15' | Kovalik(LIGO-LLO) | Audit of the PEM system at LLO |
| 5' | All | Discussion |
| 15' | Mauceli(Oregon) | Environmental Monitoring in the DMT |
| 5' | All | Discussion |
| 10' | Klimenko(Florida) | Wavelet Analysis & Line Removal in the DMT |
| 5' | All | Discussion |
| 15' | Sylvestre(LIGO-MIT) | Transient Identification in Engineering Data |
| 5' | All | Discussion |
| 15' | Riles(Michigan) | Operational State Conditions and Servo
Instability Detection in the DMT |
| 5' | All | Discussion |
| 15' | Whiting(Florida) | Comparison of Line Removal Techniques |
| 5' | All | Discussion |
| 10' | Sintes(AEI-Potsdam) | Coherent Line Removal in the DMT |
| 5' | All | Discussion |

Detector Characterization W.G. Sessions Agenda

Thursday Morning Session (10:45 – 12:00)

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|-----|----------------------|--|
| 20' | Mavalvala (LIGO-MIT) | Status of LIGO I Commissioning |
| 10' | All | Discussion |
| 15' | Rong(Florida) | Status of LIGO I Input Optics |
| 5' | All | Discussion |
| 20' | Schofield(Oregon) | Source and Propagation of the Predominant
1-50 Hz Seismic Signal from Off-site at
LIGO Hanford |
| 5' | All | Discussion |

Thursday Afternoon Session (1:00 – 3:00)

All

A.O.B.