SQ01b Test and Analysis

Accomplishments

- Demonstration: collaborating works perfectly:
  - Received the magnet in late November and it was tested in January
  - Interested parties worked closely together; tested the magnet as a team of experts
  - Data was analyzed in a timely fashion
  - Raw data was transferred to LBNL (in a readable format)
  - Test Summary report was generated and published as a TD Note

1/21/05

TD-05-017

SQ01b Test Summary

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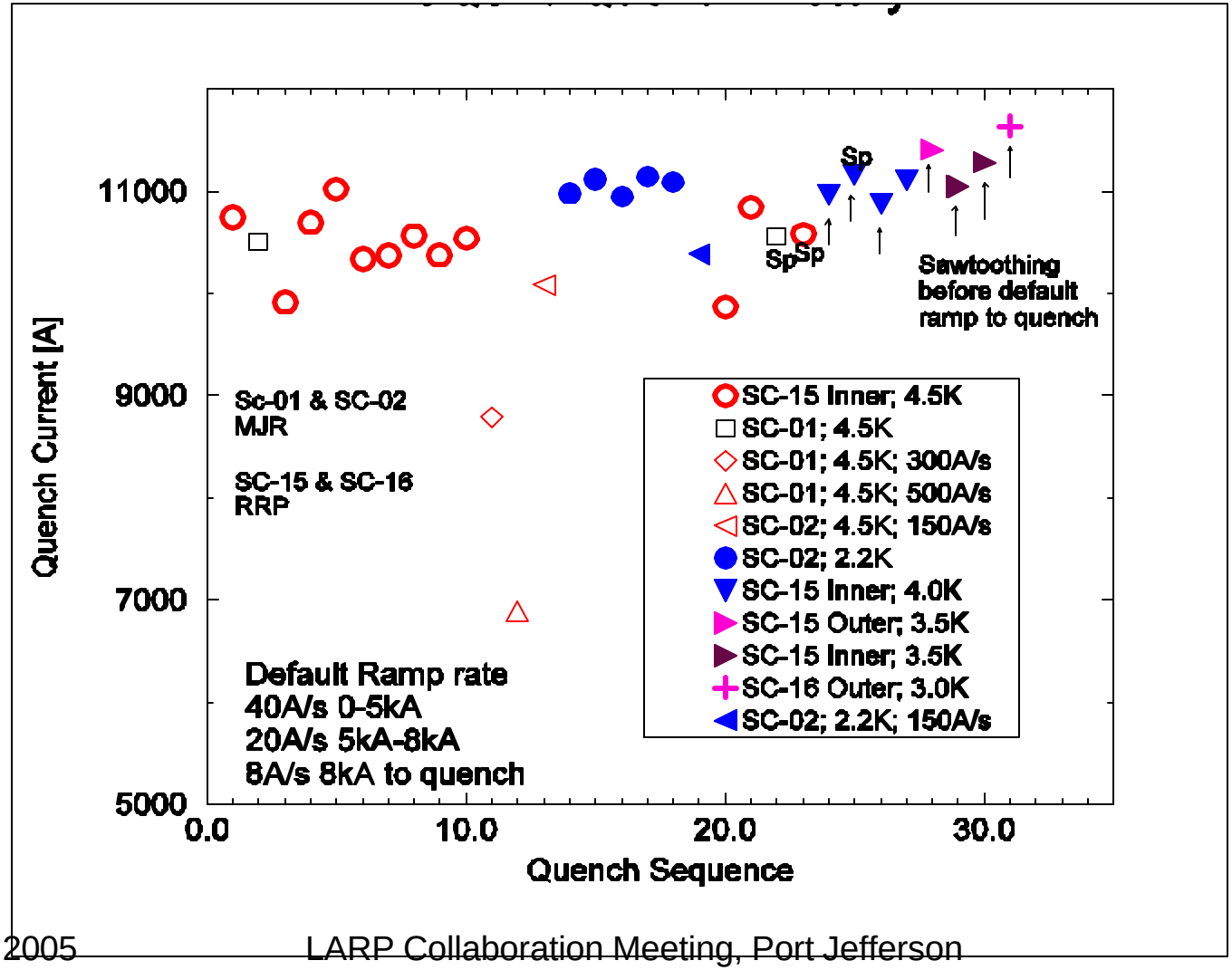
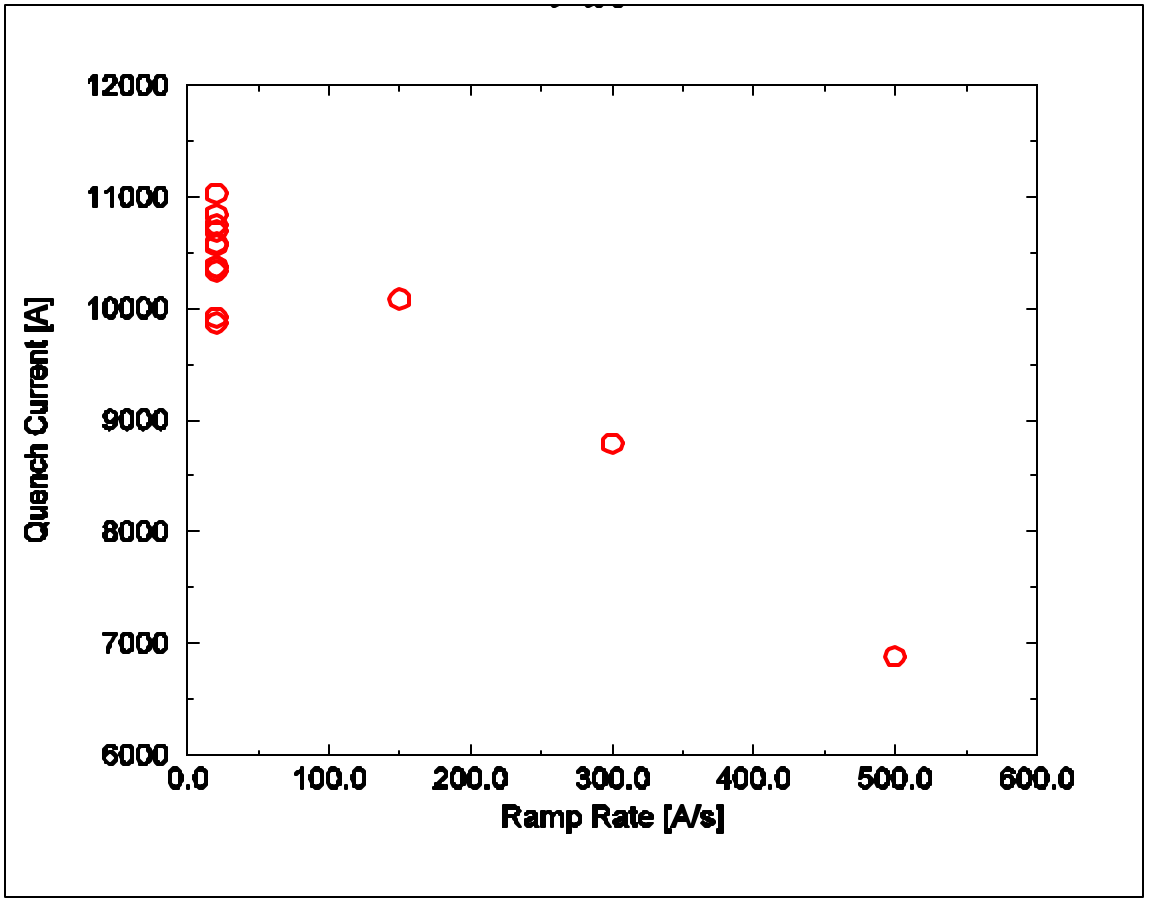
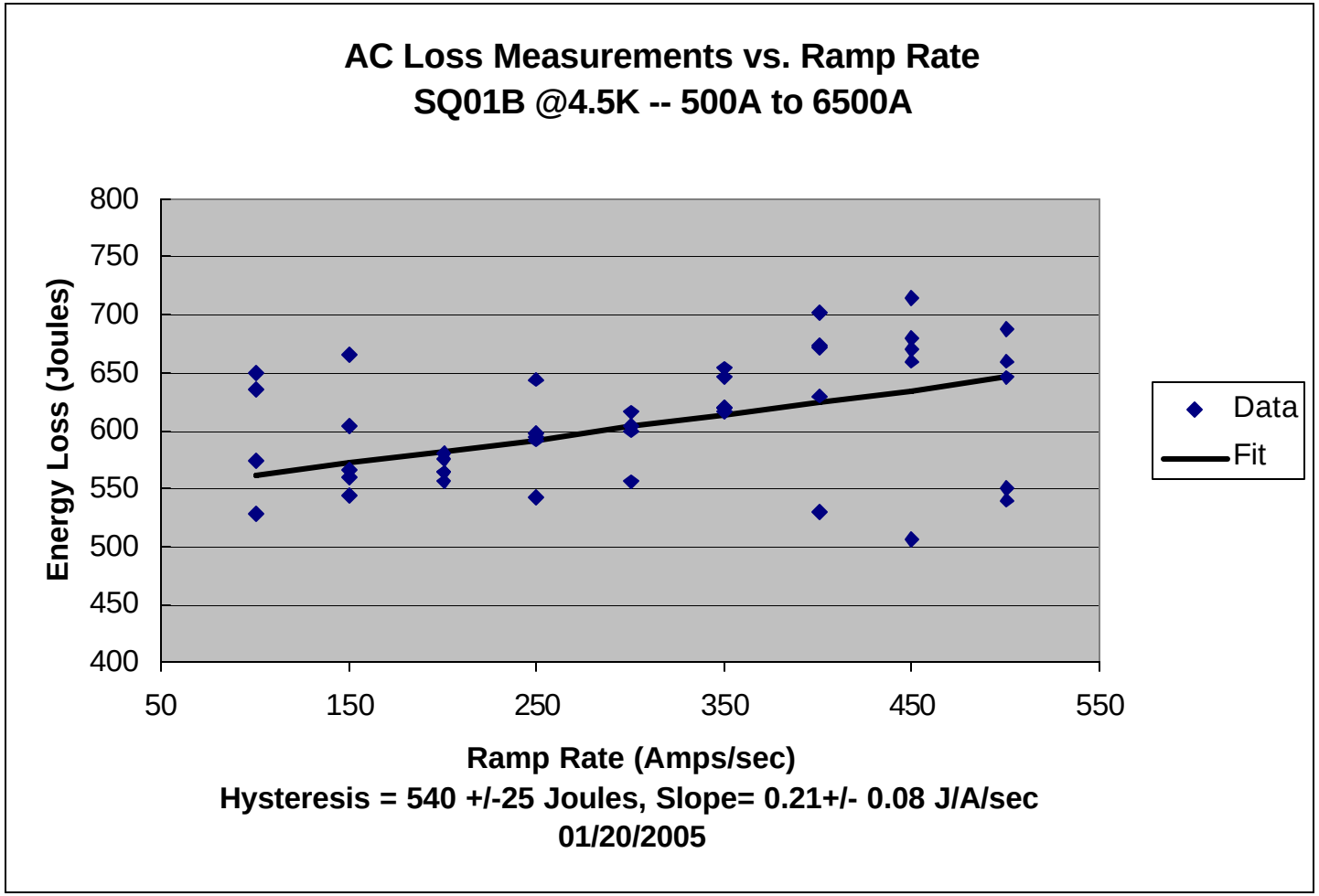
Highlights from the TD note



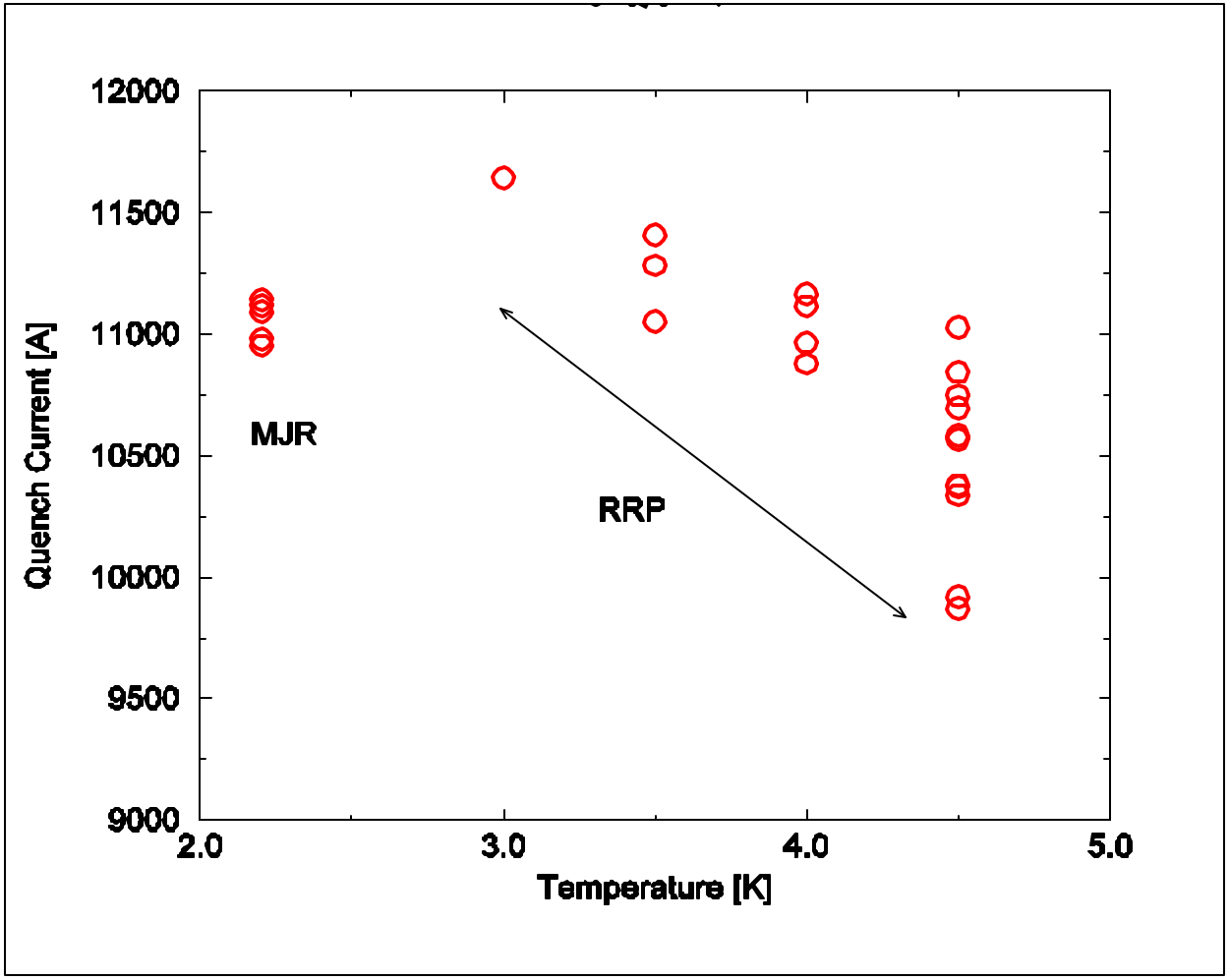
Highlights from the TD note cont's



Highlights from the TD note cont's

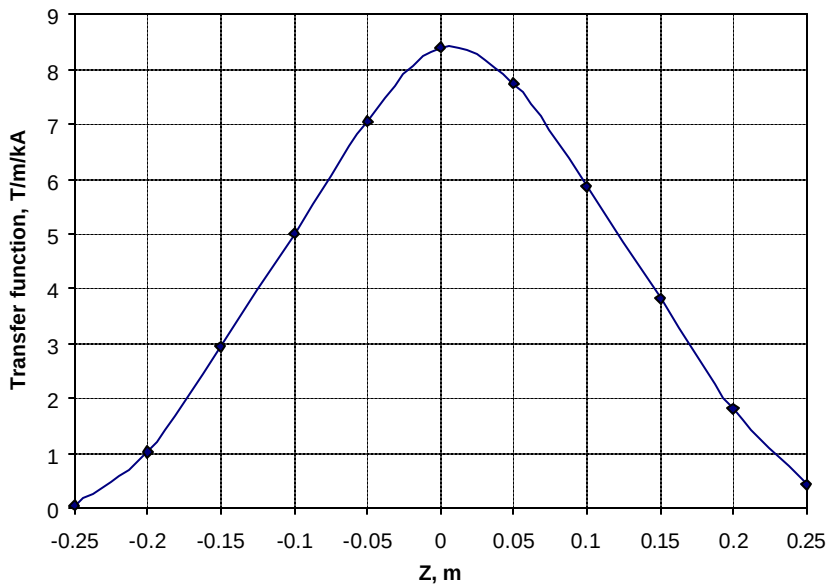


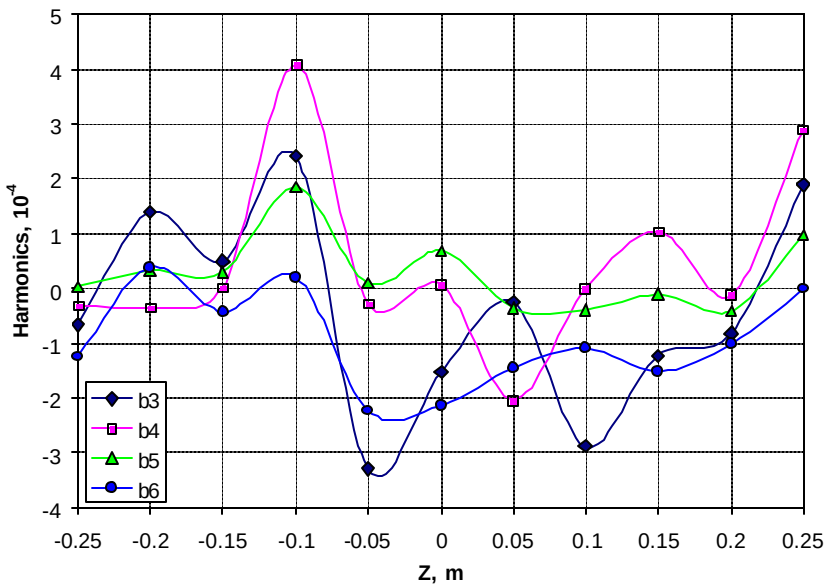
Highlights from the TD note cont's



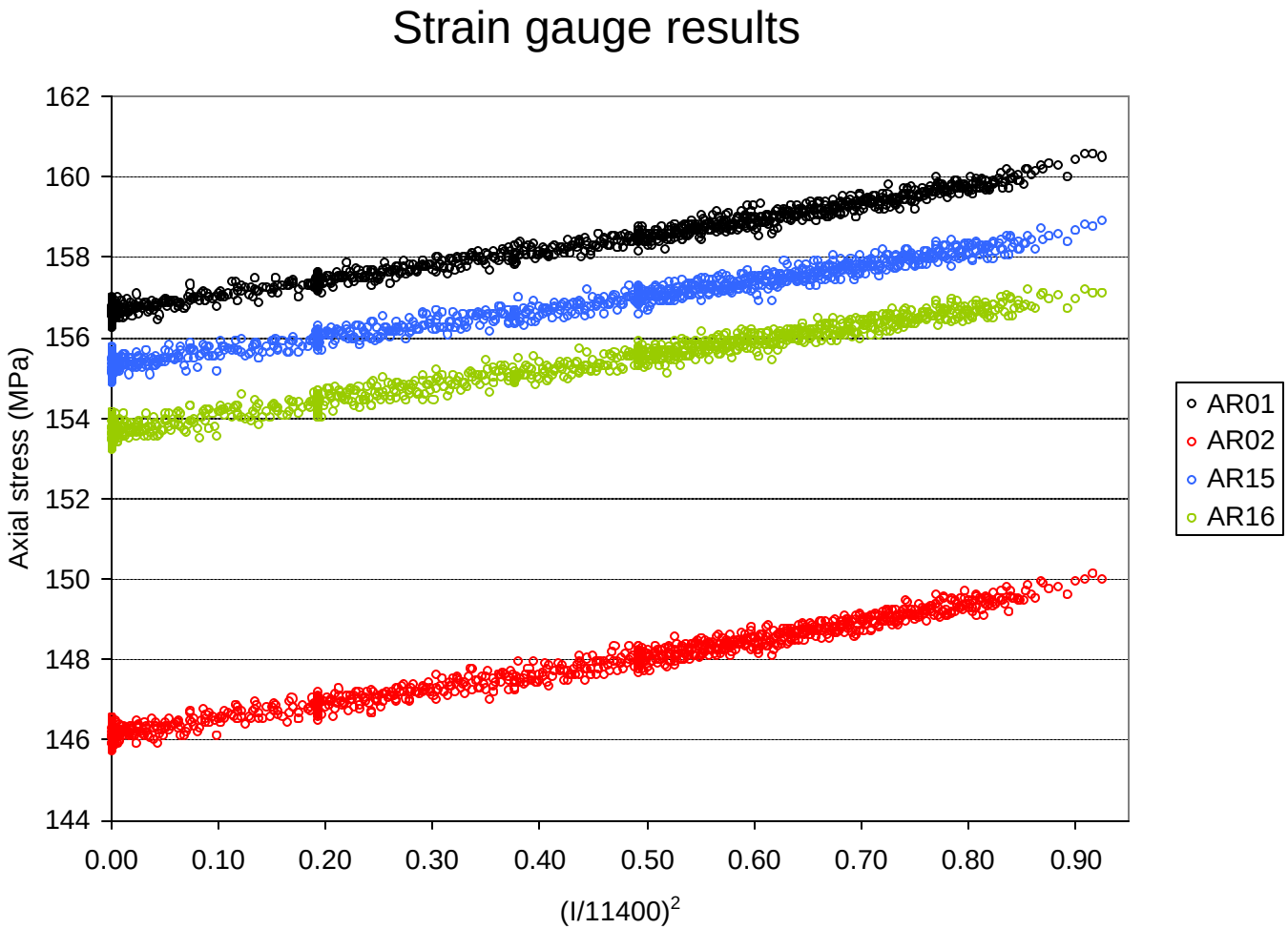
Highlights from the TD note cont's

Magnetic Measurements





Highlights from the TD note cont's



Accomplishments cont’

- Two abstracts were sent to MT-19 to share the knowledge with the rest of the world
- Further data analysis continues:
  - Comparison ⇔ mechanical model with strain gauge results
  - Magnetic measurement results ⇔ modeling
  - Voltage spike studies ⇔ associated with quench start

Future plans

- VSDS system should be “calibrated” at LBNL ⇔ give an opportunity to understand the systematic effects between the two readout system.
- Work further on data exchange software issues ⇔ easier and more efficient