

## SLAC Traveler for the New LCLS 'Q150kG' LTU Quadrupole Magnets (Aug. 27, 2007)

This traveler covers mechanical fiducialization and magnetic measurements of the LCLS "Q150kG" LTU quadrupole magnets needed for the fall 2008 LCLS run. There are 12 of these red 30-cm long magnets needed for the LCLS LTU beamline, and 2 spares. These magnets were recently delivered from Everson-Tesla.

**Receiving:**

The following information is to be noted upon receipt of the magnets by the SLAC MFD group:

Received by (initials):	G.S.
Date received (dd-mmm-yyyy):	11/28/07
SLAC barcode number:	000367
Manufacturer's serial number on the magnet:	#010

Place a barcode sticker on the magnet and also duplicate the barcode sticker here →	000367
---	--------

**Preparation:**

A beam direction arrow, with text "beam direction", is to be applied to the top and/or connector side of the magnet with a sticker supplied by LCLS (C. Rago will determine the direction).

Beam-direction arrow in place (initials):	
---	--

**Fiducialization:**

Fiducialization may be performed by the CMM location of the geometric respect to the center of this

*- no beam arrow?  
(DATA ANALYZED)*

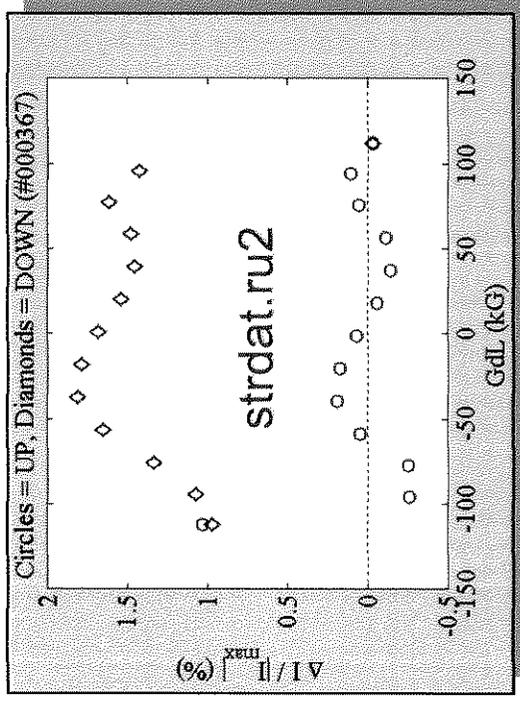
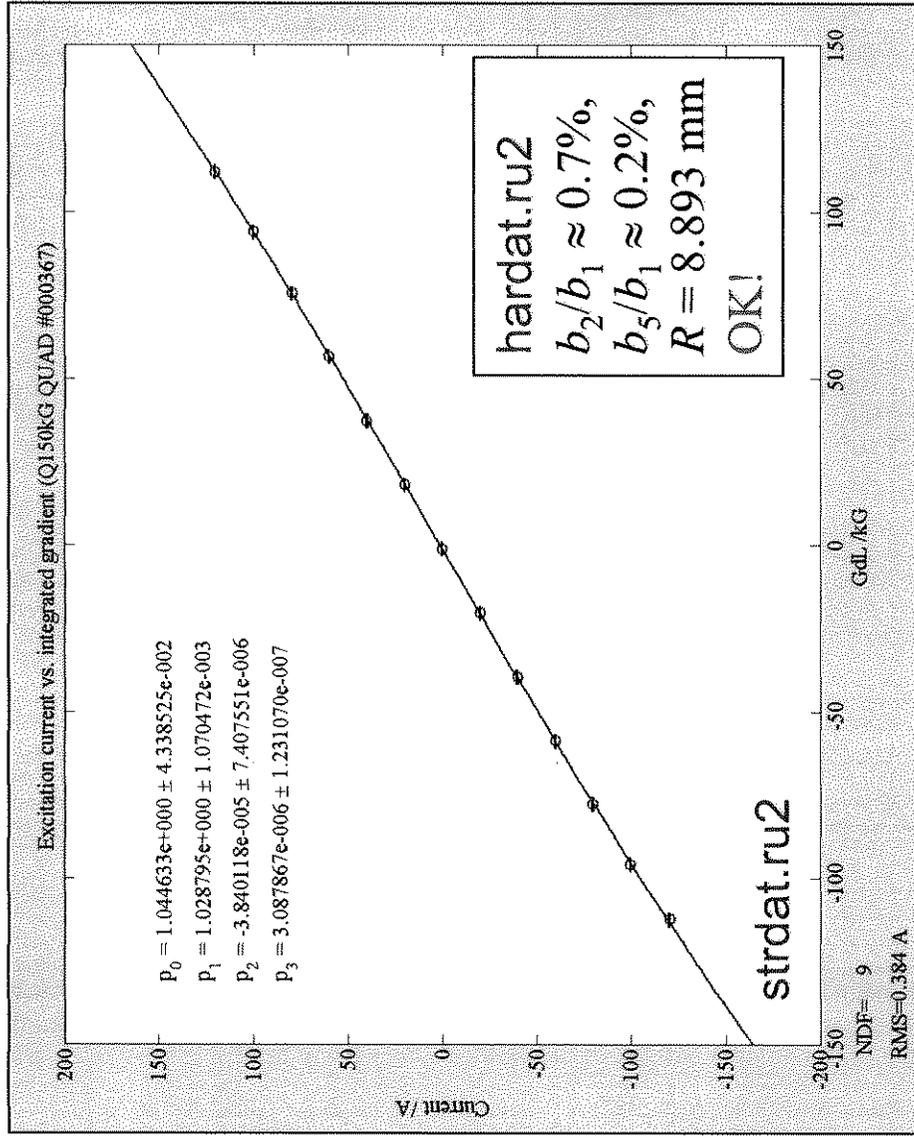
tic measurements. The magnet is to be installed with removable tooling balls, and location of tooling balls with respect to the center of this magnet are aligned precisely horizontal.

CMM technician (initials):	KC 1/17/08
----------------------------	------------

URL of on-line CMM fiducialization data (please modify or correct if necessary):

\\web002\www-group\met\Quality\FIDUCIAL REPORTS\LCLS LTU Q150 QUAD\050367.pdf
---

# Q150kG Quadrupole (measured Feb. 22, 2008)



SLAC magnet bar-code: **000367**

vendor serial number: **010**

MAD assignment: **spare**

**QF, bipolar scan from MMF**

<http://www-group.slac.stanford.edu/met/MagMeas/MAGDATA/LCLS/quad/000367>