



**Jan Ilavsky**  
scientist

**Advanced Photon Source**  
**X-ray Science Division**  
Argonne National Laboratory  
9700 South Cass Avenue, Bldg. 438  
Argonne, IL 60439

1-630-252-0866 phone  
1-630-252-0862 fax  
1-630-774-8814 mobile  
ilavsky@aps.anl.gov

Date 10/9/2009

A.F. Craievich  
Institute of Physics, University of Sao Paulo  
CP 66318, CEP 05315-970, São Paulo - SP, Brazil  
Tel: 55-11-30916706 Fax: 55-11-30916749  
e-mail: craievich@if.usp.br

Dear Aldo:

Please find data for sample of Glassy carbon sample designated as "K6" which you have picked up at SAS2009. This Glassy carbon sample was calibrated as absolute SAS intensity standard using APS USAXS instrument at 32ID beamline, Advanced Photon Source. I am providing you with measured intensity data attached to this e-mail.

If you need to communicate with me about this sample in the future, please include the full description of the sample: "Glassy carbon type 2, sample K6". Note, that 1.0 mm was measured thickness of this sample and it is assumed in our absolute intensity calibration calculations.

If you need to use this sample for neutrons, please note, that you need to divide the absolute intensity by 6.467, the ratio between the X-ray and neutron contrasts for carbon-air interface.

The measurements were performed approximately in the middle of the sample and we assume that they are good to within about +/- 5%.

Sincerely,

Jan Ilavsky  
Staff scientist, Advanced Photon Source, ANL