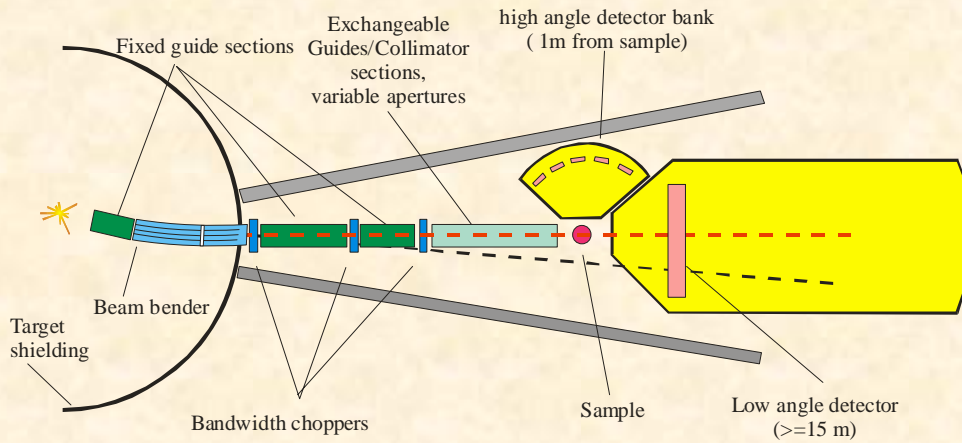


EQ-SANS



Polymer and Colloidal Systems

- Block copolymers
- Micelles
- Micro emulsions
- Polyelectrolytes
- Electric double layer and ion distribution at solid-liquid interface
- Dendrimers
- Aerosols

Earth and Environmental Sciences

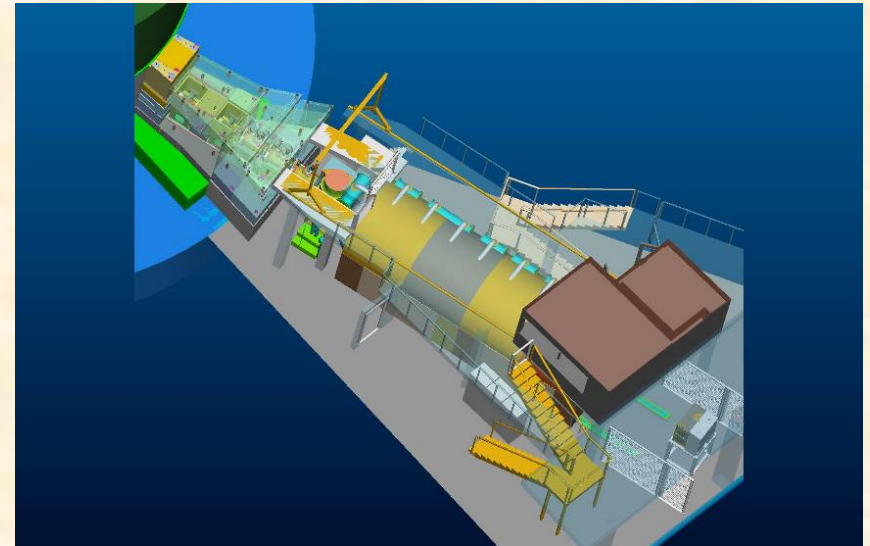
- Pore structure in soil
- Mechanism of absorbing contaminants by soil
- Fractal structure of rocks

Life Science

- Solution structures of protein, DNA and other biological molecules and molecular complexes
- Protein-protein, protein-ligand interactions, kinase regulation
- Protein-membrane interaction

Material Science

- Simultaneous study of domain and crystalline structures
- Crystallization and precipitation
- Nanoparticles



Detector Tank



HFIR SANS

General Purpose SANS

Ken Littrell
Yuri Melnichenko
Kathy Atchley

Bio-SANS

Volker Urban
William Heller
Gary Lynn

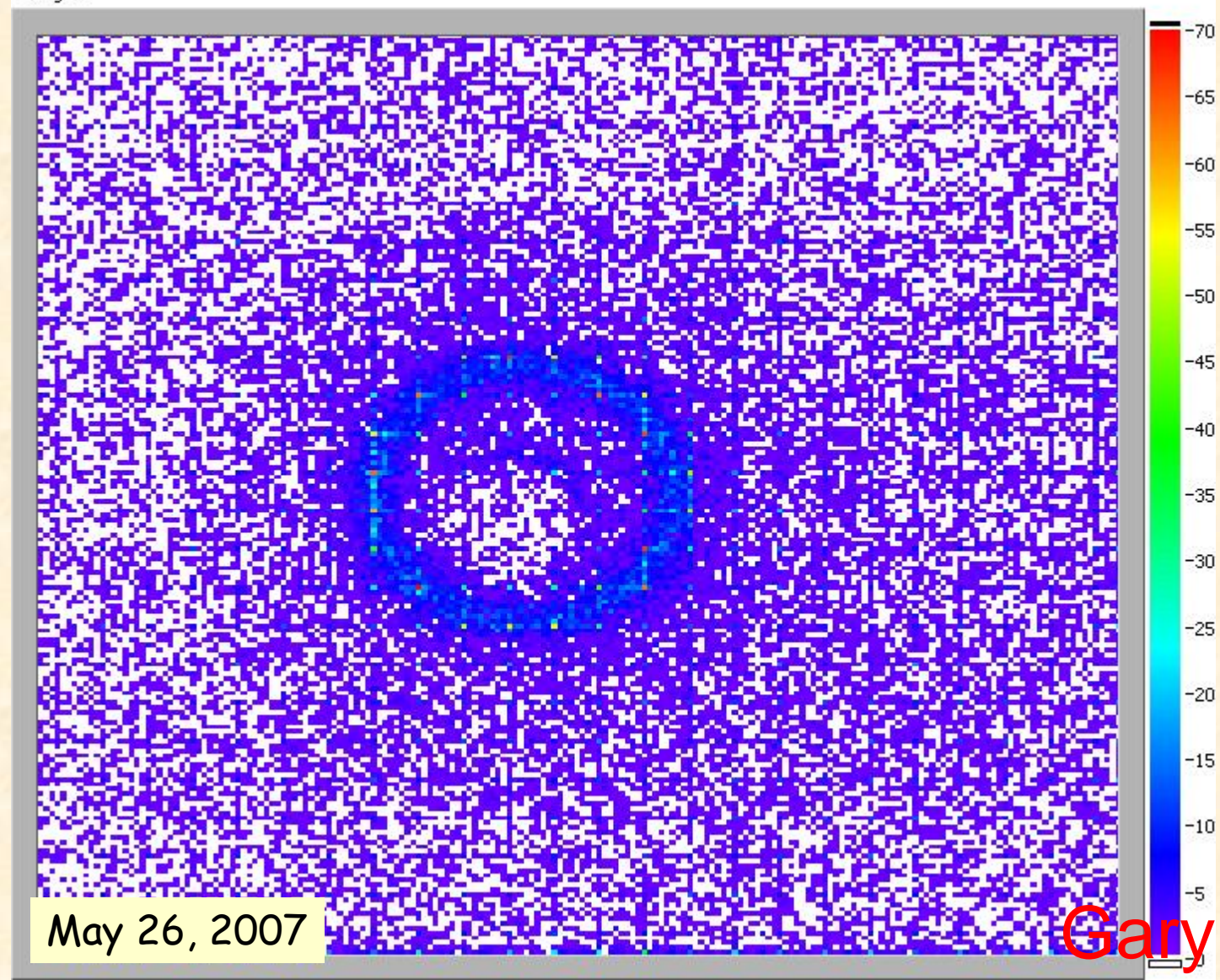


Gary Lynn



09.26.2005

Histogram



May 26, 2007

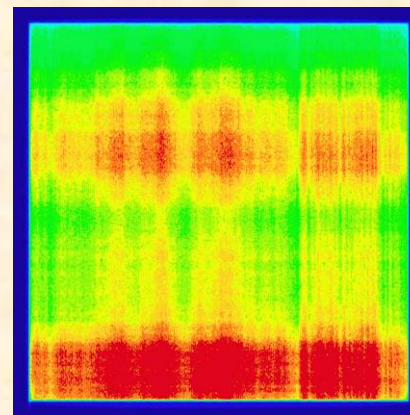
Gary Lynn

First data on General Purpose SANS detector

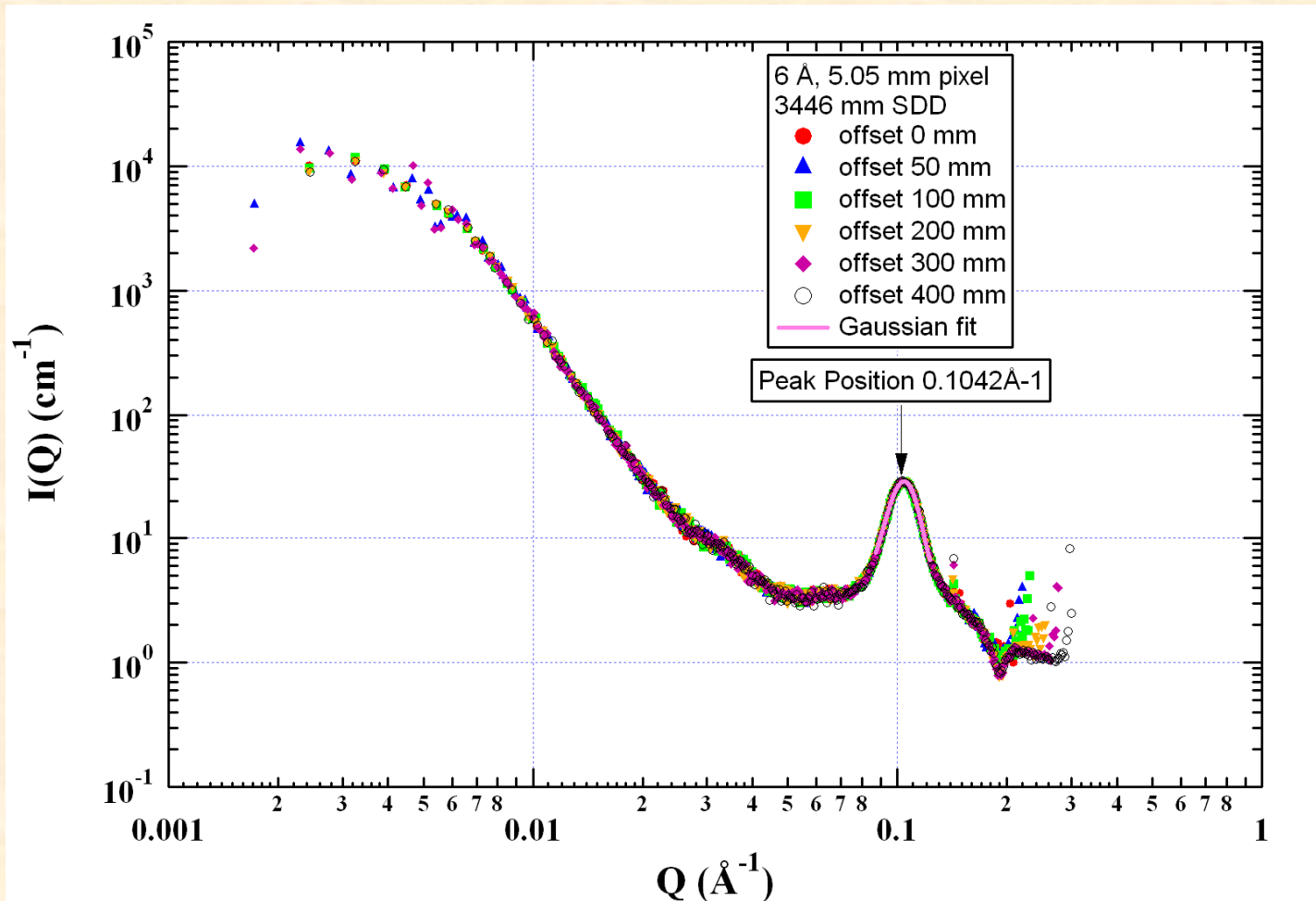


OAK RIDGE NATIONAL LABORATORY
U. S. DEPARTMENT OF ENERGY





Output from CG3



Diffraction standard calibration results (within 2% of expected)

Gary Lynn