Data Models

- **SED/Spectrum**
  - Holds metadata on per data point and per-observation basis for combining spectral observations
  - Implementations by Budavari, Busko
  - Related work by Osuna, Chiligarian
  - SAO implementation and Java library in work (McCusker)
  - Only minor changes in recent discussion
  - Waiting for SSAP protocol document
Characterization

- Define different levels of detail in giving observation context
  - Lowest level: LOCATION, a position in N-d parameter space
  - Next level: BOUNDS, a range bounding the data
  - Next level: SUPPORT, multiple ranges and regions giving the N-d “field-of-view”
  - Deepest level: SENSITIVITY, giving the depth as a function of coordinate
- Similar approach for Resolution
- Close relationship to STC objects under discussion
Implementation

- Will continue working on SED library and simple applications (display, convert data).

- Need 'footprint service' library, initially just spatial regions and then full STC. “Is my star in this data?” (at level of detail greater than provided by registry – but still need link to VOQL)

- Need library to convert between different levels of Characterization (given Support, return Bounds or vice versa, etc.)
Kyoto?

• Joint meeting with DAL concentrating on Spectrum/SED

• Characterization – will review XML schemas provided by Strasbourg and Brian...
  - Will have discussions between Characterization groups and Arnold...

• Catalogs, Quantity
  - Continue work merging Quantity and other schemas
  - Pedro Osuna working on Catalogs