Data Access Layer

Simple Spectrum Access for SEDs & 1d Spectra

M. Dolensky, Oct. 16, 2003

SED definition for AVO prototype

parameter	UCD	phys. unit
frequency	OBS_FREQUENCY	Hz
δfrequency	INST_FILTER_FWHM	Hz
flux	PHOT_FLUX_DENSITY	Jy
error in flux	ERROR	Jy

SED definition for SSA

- **frequency|wavelength|energy***
- lower error interval
- upper error interval (2nd value if asymmetric)
- **flux***
- error in flux|lower limit|upper limit
- spectral resolution *
- quality flag (reserved values for good, bad, other)

Observation Parameters/per 'chunk'

- coverage on the sky*
- intrument name
- observation time interval*
- aperture

* queryable parameters

Physical Units

parameter	phys. unit
frequency	Hz
wavelength	nm
envergy	eV

Characterizing 1d Spectra: Differences between SED & Spectrum?

- **frequency|wavelength|energy***
- lower error interval
- upper error interval (2nd value if asymmetric)
- **flux***
- error in flux|lower limit|upper limit
- spectral resolution *
- quality flag (reserved values for good, bad, other)

Observation Parameters/per 'chunk'

- coverage on the sky*
- intrument name
- observation time interval*
- aperture

* queryable parameters