

US National Virtual Observatory

# Spectrum Data Model

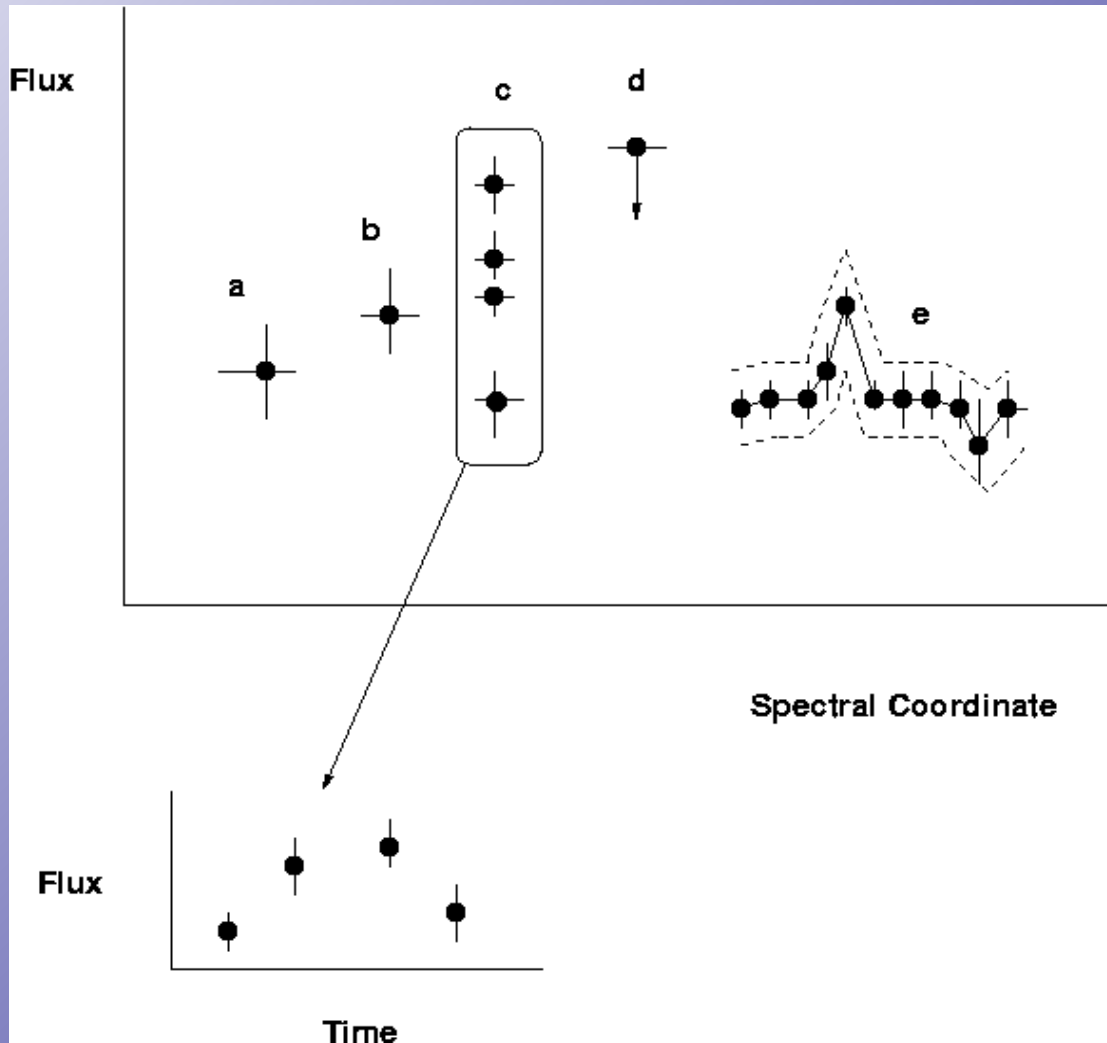
Jonathan McDowell  
CfA



# Short term Spectral DM

- Prepared cleaned up version of DM document (V0.95)
- Still need to assign some FITS keywords
- Current model implemented at SAO as Java library – converts between FITS, VOTABLE and XML representations, simple SED plotting applet
- Name changes SED -> Spectrum needed

# SED Segments



# Proposed Changes

- Doug proposes a number of possible changes:
  - Add support for WCS (we had required explicit listing of coordinates)
  - Improve match with current Characterization and STC models
  - Separate SED and Segment models, keep Segment as top level spectral model
  - Should there be a difference between spectrum and time series models?
- Other changes: suggestions on FITS

# UML diagram

