

CSP Science Priority Cases

Mark Allen
Committee for Science Priorities



VO-ICE Project

CSP activities

- Since 2008 the mode of operation of the CSP has been to promote standards development to support science cases
- Integrated part of IVOA work
- Worked well with architecture
- Worked well with VO project priorities

- 3 projects
 - ObsTAP
 - SED building
 - Search by classes/lists
- Now mostly in monitoring phase
- Overall priority applied to all areas is implementation - having enough working services to be useful

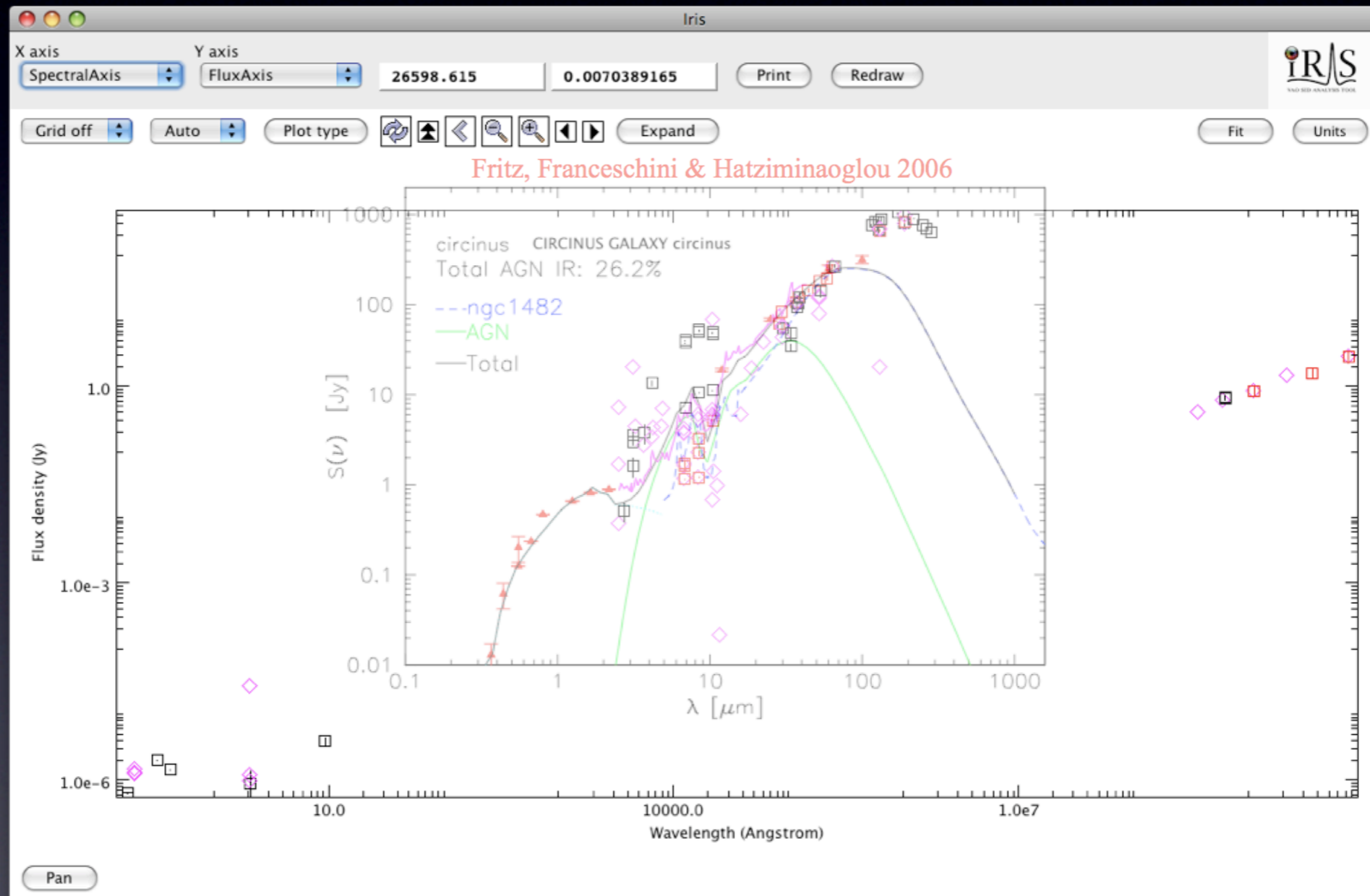
ObsTAP

- standards done
- CADC reference implementation
- TAP clients progressing
- ... monitoring implementation

SED

- standards framework in place, standards currently being developed (SED, Spectrum, Phot)
- SED tools and services already working
- More benefits to come from introp. btwn these tools and services

e.g. NED + VizieR SEDs of Circinus



Search by classification/ lists

- opted for 'lite' option, focus on access to current classifications and services by list (no semantics)
- TAP and TAPRegExt
- Main focus on implementation
- Targeted Simbad, NED, VizieR and pushed for TAP clients

- implementation being monitored and encouraged beyond target implementors
- if it matches with project priorities we could go beyond 'access' to include semantics (e.g. thesaurus)

Next Priority Projects

- coming from CSP via project science committees/boards and IVOA exec
 - Radio Astronomy
 - Time Series
 - Units implied in all aspects
 - Data publishing of high level data products

- Status: not yet proposed to exec
- Present to TCG today to help develop the cases and discuss issues
- Radio Astronomy - focus on access
- Time Series - slides from E. Solano (need to understand relation to current stds)

Radio Astronomy

- gathering input phase...
- talk from ALMA archive scientist on Thurs
- SKA project scientist now on CSP
- need to have critical mass of interested parties to move forward

- current relevant IVOA efforts:
 - characterisation, TAP, SIAP2
- some notes from discussions:
 - ALMA will deliver data cubes (processed data, not visibilities)
 - SKA discussions defining new regime of big data processing