

TimeSeries hack-a-thon session



ASTERICS Tech Forum

Thursday 23rd March 11:00-12:30



□ Follow up of Tuesday TimeDomain meeting and Wednesday PM Tech Forum session

- Nothing else on VOEvents
- No more discussion on model and serializations attempts
- Instead
 - List of required metadata was done
 - What do we have in the data we call TimeSeries ?
- A detailed report will be done, set on the ASTERICS site and sent to the IVOA TDIG WG (+DAL/DM) list



☐ Metadata (very rapidly)

- Spatial coord Frame
- Time Frame
- Raw Position, limits and statistics on all axes
- Sampling steps means, limit and statistics on time axis
- Dependancy/independancy of axes
- Dependant axis nature
- Characterizing on time frequency axis in various ways
- Target names and classes



□ What are the data we are dealing with ?

List of problems

- For different slots in time we have « measurement points »
 - Time Coordinate +
 - Flux (or mag or mag difference) , velocity, position, but also spectra, maybe images....
 - Errors on previous quantities, flags, links to other information (data origin, filters, etc...)
 - Is a sparsed time sequence of spectra a cube ?
- Should we recommend a specific time representation (MJD ? ISO etc...) for the standard ?
- Should we tackle relative times (simulation data) ?

