

Spectrum RFEs:

Repository: <https://github.com/ivoa-std/SpectrumDM>

Git Issues:

<https://github.com/ivoa-std/SpectrumDM/issues/12> (20250131)

- VOCLASS keyword value in spec does not match the example
 - spec="SPECTRUM 1.00" example="Spectrum V1.0"
 - And description says 'should'
- The document actually has 4 different strings in different places
- Suggest value in Section 3.7 be normative: "Spectrum-1.0"
- **PROPOSED ACTION: Submit erratum**

<https://github.com/ivoa-std/SpectrumDM/issues/8> (20240309)

- Add DATE-OBS keyword for "date at the start of the observation"
- Char.TimeAxis.Coverage.Bounds.Start/Stop
 - the model sets the TSTART/TSTOP keyword for these concepts.
 - it looks like DATE-OBS/END could simply be considered alternative representations of the same concept, which would be a simple update, but I'd want to be sure there was no definition ambiguity as these are either standard or common keys.
- I took a quick look at the FITS-4.0 standard document, and it seems to have:
 - DATE-BEG = MJD-BEG = TSTART == different representations of the datetime value for "Start date/time of observation"
 - DATE-END = MJD-END = TSTOP == different representations of the datetime value for "End date/time of observation"
 - DATE-OBS — originally was not specifically defined as the 'start', and has been used for other (mid) times.. so defers to DATE-BEG for 'start' concept.
- Discussion indicates that DATE-OBS is often used in practice as mid-point
- **ACTION?:**
 - This doesn't sound like an erratum to me, but an enhancement (v1.3) though could be convinced otherwise
 - **OPINION:** The model should describe 1 concept "start/end of observation" which can be serialized using any of the above representations in the FITS file.. noting the ambiguity of definition in practice for DATE-OBS, perhaps discouraging that option.

<https://github.com/ivoa-std/SpectrumDM/issues/13> (20240705)

- Spectrum.Char.SpatialAxis.Coverage.Location
 - Is there an action here to look into making this OPTIONAL in the model?
 - Do we need to add something to identify Theoretical?
 - Do we want to recommend how they should identify the dataset as "GAIA DR4"?

VODML-1.1: Candidates

- email: <http://mail.ivoa.net/pipermail/dm/2025-March/006585.html>