

# SIA2 and SODA evolution status

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on behalf of DataLink authors and the whole IVOA DAL Working Group



# Work since May 2020 interop

- Summary of previous work given in May :  
<https://wiki.ivoa.net/twiki/bin/view/IVOA/InterOpMay2020DAL#Sia2Soda>
- Long term and short term history on the DAL Wiki pages : [https://wiki.ivoa.net/twiki/bin/view/IVOA/SIAP-2\\_0-Next](https://wiki.ivoa.net/twiki/bin/view/IVOA/SIAP-2_0-Next)
- Short term history on GitHub :  
<https://github.com/ivoa-std/SODA> and <https://github.com/ivoa-std/SIA>
- Only addressed in Running meeting 5 beside the TimeSeries discovery strategy
- SODA ported on github . Initial PR fixed yesterday
- SIA conversion « OpenOffice → Latex » in completion → Initial PR will follow
- When this done « issues » may become PR



# SIA issues

**10 Open** ✓ 0 Closed

Author ▾

Label ▾

Projects ▾

Milestones ▾

Assignee ▾

Sort ▾

**extension of SIA-style protocol usage outside the image/cube "camp"**

#10 opened on 13 May by Bonnarel

**It is not possible to query SIA services by MOC**

#9 opened on 11 May by Bonnarel

**SIA2 cannot discover rebinned data like SIA1 was able to do**

#8 opened on 8 May by Bonnarel

**Possible confusion between FORMAT and RESPONSEFORMAT parameter**

#7 opened on 8 May by Bonnarel

**1 shot discovery (and then access) to cutouts was possible in SIA1 but no more in SIA2**

#6 opened on 8 May by Bonnarel

**POS=RANGE examples inconsistent with spec**

#5 opened on 7 May by pdowler

**input PARAMETERS values are case sensitive**

#4 opened on 7 May by Bonnarel

**NO Wild-carding of the input PARAMETERS values exists**

#3 opened on 7 May by Bonnarel

**No input PARAMETER exists to select the RELEASE DATE**

#2 opened on 7 May by Bonnarel

**input PARAMETERS with limited list of values : better description**

#1 opened on 7 May by Bonnarel



# SODA issues

**7 Open** ✓ 0 Closed

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Projects ▾

Milestones ▾

Assignee ▾

Sort ▾

**! SODA spec doesn't tell us how to provide dataproduct\_type transformation**

#7 opened on 13 May by Bonnarel

**! Managing multiple PARAMS queries responses**

#6 opened on 13 May by Bonnarel

**! It is not possible to query SODA services by MOC**

#5 opened on 11 May by Bonnarel

**! No possibility to control output WCS by regridding/rebinning exists in SODA.**

#4 opened on 8 May by Bonnarel

**! pixel cutouts (instead of world coordinates) on all axes are missing**

#3 opened on 8 May by Bonnarel

**! Wrong example for BAND interval MIN and MAX values**

#2 opened on 8 May by Bonnarel

**! Wrong VOTable syntax in polarization example**

#1 opened on 8 May by Bonnarel



# Enhancement of some issues

- SIA :
  - virtual data discovery :  
see ADASS XXX poster P9-253 and video
  - Extension of SIA2 « camp »
    - Whole obscore
    - Specialized extensions (with new FELDS giving new query parameters) : Time, visibility, spectra/sed (SSA-next?)
- SODA :
  - Radio : Extraction of partial MS for visibility data ?



# What to do now ?

- Finish porting
- Write PR
- Community : discuss and open new PR
- Working Drafts in the RoadMap ?

