

SIA2 and SODA evolution status

F.Bonnarel (CDS)

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
- 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

Author ▾

Label ▾

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 FIELDS 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 ?
- Complete Wiki page

