

Footprints Use cases for Aladin and other VO portals

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Datasets footprints (or FOV?)

- The goal is:
 - Show dataset contours on top of previews or other displayed datasets
 - Tight them with SIA query response



Overlay of a WFI observation footprint
on top of a Preview within Aladin

36.58" x 24.05"

Aladin images

Radius..... 14.0'

Servers Images Catalogs Spectra [Detailed list...](#)

Aladin navigation menu:
SkyView
Sloan
MAST
CADC
DMSaadaSl
DSS...
VLA...
NewServ
Others...

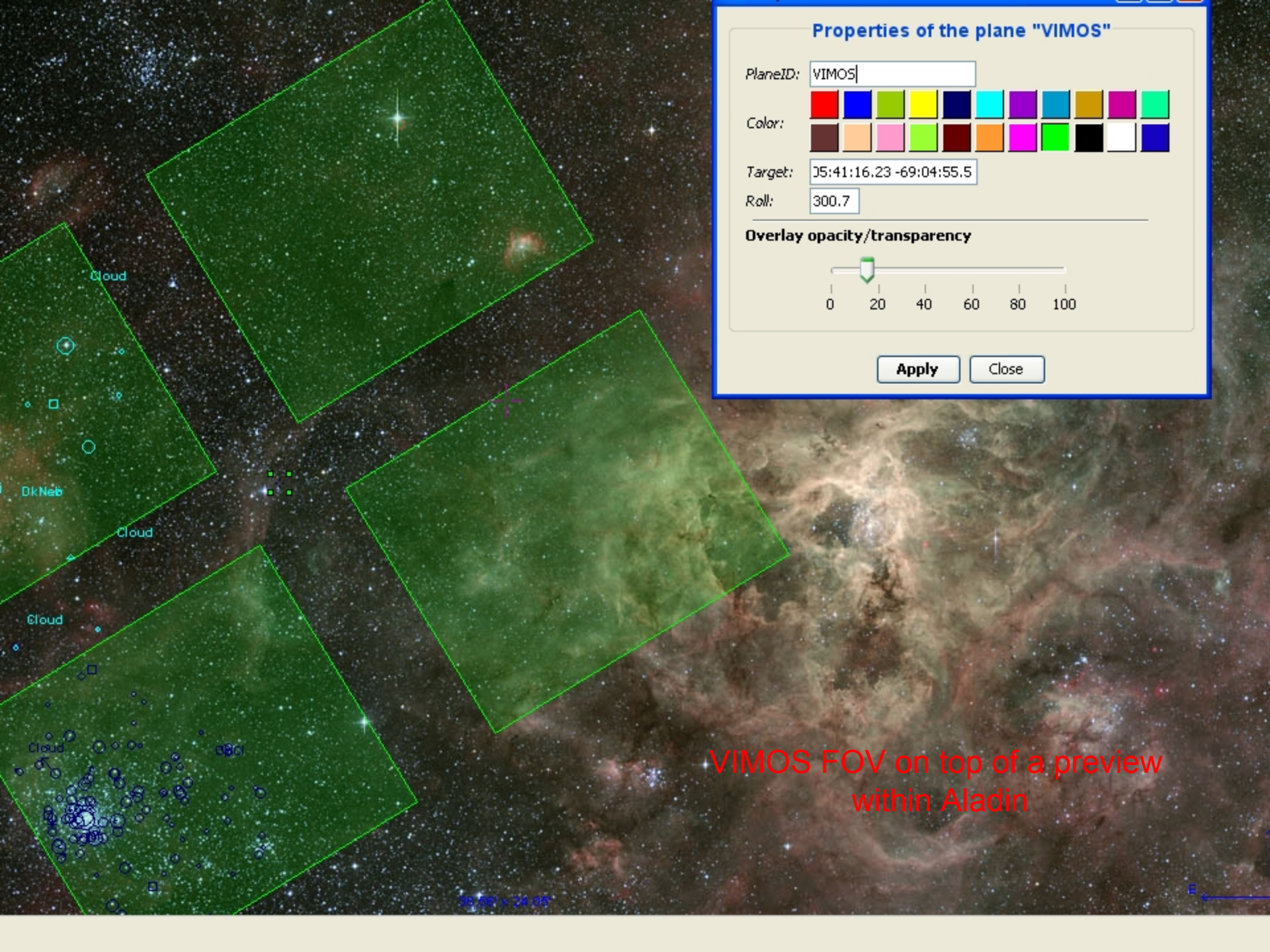
Tree view:
- ESO Science Archive Image Service
+ BandPass: BB#B/123
+ BandPass: BB#B/99
+ BandPass: BB#I/203
- BandPass: BB#Rc/162
 WFI.2004-11-21T01:36:46.665
 WFI.2004-11-21T01:10:09.531
 WFI.2004-11-21T01:34:54.942
 WFI.2004-11-21T01:40:19.450
 WFI.2004-11-21T01:26:00.030
 WFI.2004-11-21T01:13:46.085
 WFI.2004-11-21T01:15:30.237
 WFI.2004-11-21T01:29:36.835
 WFI.2004-11-21T01:43:58.685
 WFI.2004-11-21T01:31:28.088
 WFI.2004-11-21T01:33:30.443
 WFI.2004-11-21T01:38:35.618
 WFI.2004-11-21T01:27:46.063
 WFI.2004-11-21T01:42:10.563
 WFI.2004-11-21T01:22:26.066
 WFI.2004-11-21T01:24:15.038
 WFI.2004-11-21T01:21:00.626
+ BandPass: BB#V/89
+ BandPass: BB#Z+/61
+ BandPass: RGB
- SIAP Service Hubble Space Telescope preview images
 + bandpass_id: F110W - NICMOS

Press it to stop the processing => [Stop it](#)

Reset Clear Help [SUBMIT](#)

Instrument FOV

- Prepare observations
- Display instrument contours on top of the preview of the Area
- Move and rotate it
 - Retrieve position and roll angle
- Rendering facility



Properties of the plane "VIMOS"

PlaneID:

Color:

Target:

Roll:

Overlay opacity/transparency

0 20 40 60 80 100

Apply

Close

VIMOS FOV on top of a preview within Aladin

35 59' x 24 05'

E

Demo of current implementation (ESO/CDS)

- In VOTABLE (STC-U + Rendering PARAMs)
- Associated with SIA or SSA as an extension
- ESO archive, ECF archive, STScI APT
- Work in Virgo and Aladin

General requirements

- Contours on a projection of the sky (customized coordinate system, can be relocatable)
- Accurate coordsys and contour definitions
→ STC (but STC-U)
- Ability to be attached to S*A query response
- With associated rendering
- Editing facility

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