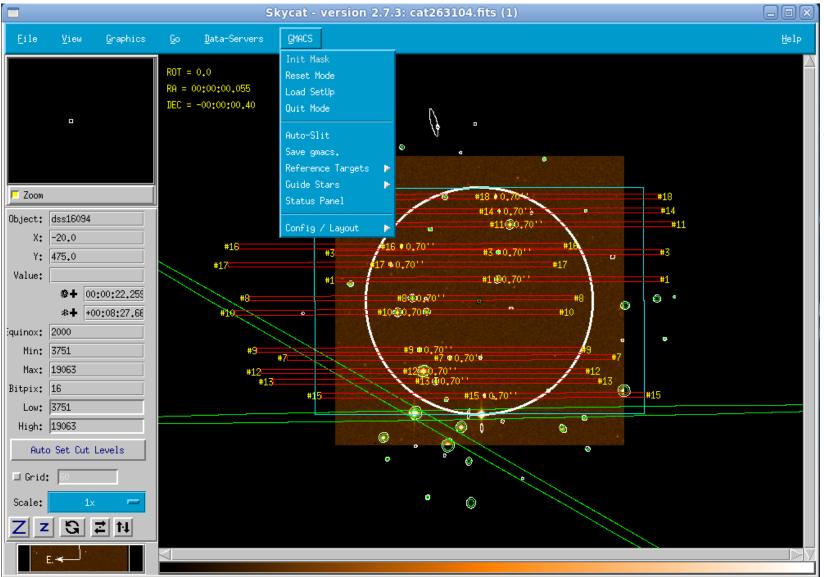
GMACS Mask Simulator

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Summer 2017

Overview of GMS

- A plug-in for ESO Skycat, a FITS/catalog viewer
- A derivative of OSMOS Mask Simulator (OMS)
- Written in tcl/tk
- Only tested with Fedora 14
- Supports custom catalogs/images
- Currently outputs .gbr, .gms, .epsf files

GUI



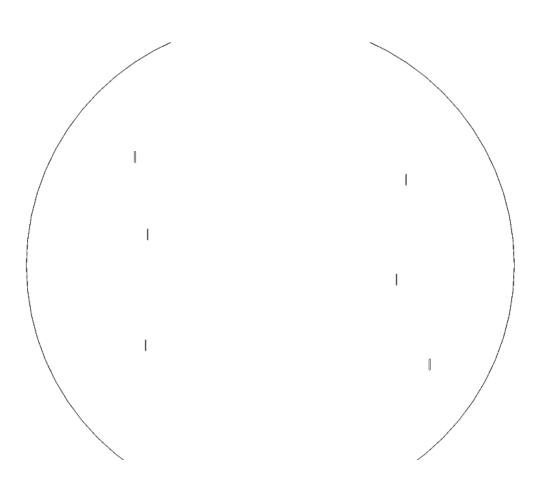
Changes from OMS

- The dispersion area changes with slit position
- Reference slits are not currently implemented
 - Could draw apertures for guide cameras in the future
- All technical aspects are unchanged

Outputs

- Default dir: \$HOME/.gms/SET
- Gerber (.gbr)
 - Machine-readable format for mask manufacture
- GMS (.gms)
 - Human-readable text file with list of targets
- EPSF (.epsf)
 - Vector image of mask and slit positions

.epsf and .gms



INS.TARG102.NAME	N333113040833
INS.TARG102.SHAPE	STRAIGHT
INS.TARG102.WID	0.7
INS.TARG102.LEN	10.0
INS.TARG102.ROT	0.0
INS.TARG102.ALPHA	024201.384
INS.TARG102.DELTA	+424603.620
INS.TARG102.WIDMM	0.704
INS.TARG102.LENMM	10.000
INS.TARG102.XMM	40.753
INS.TARG102.YMM	-22.244

Pro/Cons

- Easy to add/remove features at will
- Can output in any format
- Simple to use

Potential software compatibility issues