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## Can you make publication quality images in a journal's desired format?

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9 - yes

13 - Yes

14 - CMYK PS files capability missing with IDL

19 - Yes, though dmimg2jpg should produce higher quality postscript (and, ideally, encapsulated postscript).

20 - Only using wip

21 - Mostly. I haven't yet found a tool I'm completely happy with for creating 1-D CMYK plots. DS9's output often needs to be heavily edited in order to get axes & contours to come out right, and in order to add a color scale bar when necessary.

22 - Yes

23 - Yes.

24 - yes.

25 - Not quite - dmimg2jpg lacks acceptable axis labeling. Should also output postscript in CMYK (not just RGB).

Chips is good, back lacks a broad range of symbols.

27 - I don't do imaging.

28 - Yes.

30 - Yes

31 - Yes - I love ds9 for this purpose!!!

32 - yes

35 - I'm not an imaging person.

37 - Eventually. Not with Ciao.

38 - yes, but not with CIAO tools

39 - yes

43 - yes. (except for the silly cmyk business)  
I'm not sure what "imaging" entails; I do mostly line/scatter plots (spectra). Sometimes I need 2D intensity images. Between IDL and isis/pgplot, I can get what I need.

## Software Survey Results – CIAO 3.4

- 44 - There's a bit of a distinction between what I need for analysis, and what I want for publication. In that sense, something like CHIPS is a bit of a mushy middle ground. Yes, the XSPEC plotting is kind of ugly, but it's good enough to understand and think about. When it comes time for the final "publication product", I then usually go to IDL. I usually don't see the need for the middle ground of CHIPS.
- 47 - Not in CIAO. I use IDL for this task.
- 49 - Yes. IDL works best for that.
- 52 - images with ds9, plots with IDL.
- 53 - With lots of effort, yes.  
Would like much better handle on resolution.
- 58 - Yes.
- 59 - ds9 can create great images! but i cannot create appropriate 2d contours with chips
- 60 - yes.
- 62 - Yes - using ds9.
- 63 - Depends- dmimg2jpg certainly can produce good images, and then I use xv or gimp to finish them up. As for plotting, I prefer IDL to make the final thing.
- 64 - YES
- 65 - yes
- 67 - It is still difficult to provide color drawings for ApJ in a format they can use readily. The cmyk output of ds9 was insufficient last time I tried.
- 70 - Yes. I often use "wip" <http://bima.astro.umd.edu/wip/manual/wip.html> and occasionally IDL
- 71 - Need more examples
- 72 - yes
- 75 - using idl i can; ds9 is not capable of producing really camera ready publication quality images
- 77 - yes, it is not a problem to make publication quality images with IDL
- 80 - no journal entries as of yet, but image specifications are always modifiable, though it may require a 3rd party app
- 81 - only just
- 82 - HAHAHAHA. NO. Journals always want four color images, while most programs only allow three color output.
- 83 - no
- 89 - yes, but I think contour plots with ds9 should be improved
- 90 - I haven't tried that yet, and probably won't need to. (I'm doing mostly analysis of point sources.)
- 100 - is CMYK postscript supported yet?

## Software Survey Results – CIAO 3.4

- 101 - no
- 103 - yes, in IDL.
- 105 - Yes.
- 106 - yes, but it can be very fiddly
- 108 - Yes, in IDL
- 111 - ds9 is nice but could be improved
- 112 - Yes. ds9 is excellent.
- 113 - never tried with CIAO, I use IDL because it provides the best flexibility
- 118 - yes
- 120 - yes
- 121 - Yes
- 124 - Not for color figures. There are few tools available for manipulating CMYK images and generating CMYK postscript.
- 125 - yes

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URL:  
<http://cxc.harvard.edu/ciao3.4/survey/responses/pubqual.html>  
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