
Subject: saving an output from the find.pro script
Posted by [anes.tziamtzis](#) on Sun, 25 Jan 2015 03:56:48 GMT
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Hi I have created a simple photometric script that reads a series of fits files using find.pro, to detect all the stars on the fields.

Some information for the find.pro script can be found here
<http://www.exelisvis.com/docs/find.html>

Everything works fine apart from the fact that I cannot save an output. On the screen it prints the following:

STAR	X	Y	FLUX	SHARP	ROUND
0	262.7	9.1	1986.9	0.29	0.04
1	73.6	25.6	4735.9	0.31	0.04
2	262.3	31.6	369.2	0.21	0.26
3	584.0	62.8	3408.6	0.30	0.04
4	542.5	68.4	19226.5	0.28	0.07
5	381.3	110.7	629.0	0.21	0.00
6	889.3	113.8	4651.7	0.28	0.06
7	721.9	129.6	651.6	0.30	0.11
8	711.7	177.8	2313.3	0.30	0.12
9	669.2	216.6	3596.2	0.28	0.05

How will it be possible to save a file of this output?

This is given on the description of the script:

Calling Sequence

FIND, image, [x, y, flux, sharp, round, hmin, fwhm, roundlim, sharplim

PRINT= , /SILENT, /MONITOR]

Thanks a lot in advance

Subject: Re: saving an output from the find.pro script
Posted by [David Fanning](#) on Sun, 25 Jan 2015 05:51:16 GMT
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anes.tziamtzis@gmail.com writes:

> Some information for the find.pro script can be found here
> <http://www.exelisvis.com/docs/find.html>

Humm. Have you tried reading this to find the answer to your question?

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>
Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Subject: Re: saving an output from the find.pro script
Posted by [anes.tziamtzis](#) on Sun, 25 Jan 2015 07:06:27 GMT
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On Sunday, January 25, 2015 at 1:51:20 PM UTC+8, David Fanning wrote:

> anes.tziamtzis@gmail.com writes:
>
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Well actually this where i found the script but it seems i don't understand how to save the file.

I am using the following:

```
;Read the image  
fits_read, '4U1543-624_1_sh.fits', image1, image_header1
```

Then use
find,image1
and then i have this
PRINT='image1.prt'

The find.pro script asks for the desired FWHM, background, etc. and it prints on the screen the values. No file is create though. What am i missing?

This what i see on the screen

% FIND: Input Image Size is 1002 by 999

Enter approximate FWHM: 15

% FIND: RELATIVE ERROR computed from FWHM 0.512254

Enter minimum value above background for threshold detection: 140

Enter low and high cutoffs, press [RETURN] for defaults:

Image Sharpness Statistic (DEFAULT = 0.2,1.0):

Image Roundness Statistic [DEFAULT = -1.0,1.0]:

% FIND: Beginning convolution of image

% FIND: Finished convolution of image

% FIND: 65 local maxima located above threshold

STAR	X	Y	FLUX	SHARP	ROUND
0	262.9	8.2	779.1	0.32	-0.13
1	73.8	25.1	1835.1	0.27	-0.11
2	262.6	33.1	182.9	0.57	-0.17
3	584.1	62.4	1280.9	0.23	0.03
4	542.4	67.9	7420.4	0.27	0.08
5	381.6	110.4	257.1	0.78	-0.15
6	889.3	113.4	1836.9	0.22	-0.03
7	711.5	177.3	933.0	0.35	-0.01
8	669.2	216.0	1357.1	0.28	-0.09
9	340.6	243.2	510.0	0.24	-0.15
10	283.5	330.3	202.1	0.43	0.19
11	767.3	414.0	938.3	0.21	0.05
12	737.3	427.8	204.9	0.54	0.27
13	425.2	470.2	1809.6	0.26	-0.11
14	589.4	471.9	395.1	0.37	-0.04
15	36.8	563.7	149.0	0.53	0.39
16	242.0	635.8	196.4	0.57	-0.19
17	185.5	638.9	759.2	0.36	-0.19
18	514.0	645.2	1987.7	0.32	-0.13
19	485.1	668.9	157.6	0.39	0.10
20	661.5	682.1	226.8	0.27	-0.16
21	465.6	783.4	27608.6	0.31	-0.08
22	382.4	807.7	289.9	0.49	-0.12
23	55.6	900.1	186.0	0.25	0.34
24	403.9	898.8	194.7	0.51	0.00
25	361.2	962.9	6863.0	0.25	-0.06
26	405.1	986.5	1749.8	0.28	-0.06

No. of sources rejected by SHARPNESS criteria 32

No. of sources rejected by ROUNDNESS criteria 4

No. of sources rejected by CENTROID criteria 2

Threshold above background for this pass was 140.0

Enter new threshold or [RETURN] to exit:

Subject: Re: saving an output from the find.pro script
Posted by [David Fanning](#) on Sun, 25 Jan 2015 13:02:30 GMT
[View Forum Message](#) <> [Reply to Message](#)

anes.tziamtzis@gmail.com writes:

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> and then i have this
> PRINT='image1.prt'
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> The find.pro script asks for the desired FWHM, background, etc. and it prints on the screen the
values. No file is create though. What am i missing?

I think you are missing the fact that the PRINT in this case is a
keyword, not a command. (Bad choice of keyword name for whoever wrote
the program.):

Find, image, Print='myfile.txt'

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>
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Subject: Re: saving an output from the find.pro script
Posted by [anes.tziamtzis](#) on Sun, 25 Jan 2015 13:50:04 GMT
[View Forum Message](#) <> [Reply to Message](#)

On Sunday, January 25, 2015 at 9:02:34 PM UTC+8, David Fanning wrote:

> anes.tziamtzis@gmail.com writes:
>

```
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```

Thanks a lot David. I guess this is the difference between knowledge (you) and ignorance (me).
