Rough List of Programs

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Introduction

I always get confused which programs are which so I'm just putting them all here

1 List of Programs

1. barkbark

makes some plots comparing the attempts of finding a threshold for our image

2. bordercheck

Makes a binary mask 1 pixel thick on the border, checks if there are any pixels that are above the mode of the image. If so, returns a 0. If okay, 1.

3. circscancrop

Using the position of the center sun, scans in a circle at a specified radius until it picks up the auxiliarry suns and crops appropriately.

4. cropme

Crops a certain pixel legth off the border

5. edgefidcheck

Incomplete: Checks the bordering 6 pixels of an image for fiducials. If it finds one, it does something.

6. fastcenter

Uses the sorted image to return very rough center positions of the suns. Fast.

7. galapagos

Earlier version of barkbark I think

8. getstruct

Makes 3 structures, 1 for each sun. Each structure holds the center position as well as the threshold used to find it

9. histosmoothed

Tries looking at the histogram of the 2D image instead of the sorted array, doesn't work well.

10. kahuna

Calls getstruct and is more or less a calling program that loads the parameter table

11. last6pixels

Makes some plots of what the bordering 6 pixels of a fiducial look like as you crop it off the edge of the iamge

12. limbfit

Finds the center of a sun using chords

13. makelimbstrips

Makes 5 limb-only arrays fron the 5 chord arrays

14. makestrips

Makes 5 chord arrays centered on the specific sun

15. morescratch

Messing with convol() and stuff to find the threshold, obsolete

16. quickfidmask

Used to find a quick CoM of a shape below a threshold

17. quickmask

Used to find a quick CoM of a shape above a threshold

18. scratch

Another thing to find the threshold

19. setpeak

Find the boundaries of the humps in the sorted image

20. setthresh

Finds the thresh of the 1D array at the hump intersection point. Very barebones, actually.

21. whichcropmethod

Decides whether or not to use quickmask or circscancrop when finding the center of the suns