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