

Scan in a counterclockwise direction around 12 o'clock to pick up where pixels exceed threshold (25%)Scan at a slightly smaller radius to find where it crosses threshold (if it doesn't pick up the dimmer sun, scan at a slightly larger radius instead) The circle scan picks up the dimmer sun at two points, where it rises past the threshold and where it dips below the threshold Find midpoint of each pair of points Draw lines perpendicular to chord between two mid pointed points

Find where lines

intersect, should

be around center

of dimmer sun

Use approximate center to crop dimmer sun Finds center with mask averaging Use mask average to find 5 centered chords in each axis Turn chords strips into limb strips Find center using limb strips Scan in a clockwise direction around 12 o'clock to pick up where pixels exceed threshold (25%)Scan at a slightly smaller radius to find where it crosses threshold (if it doesn't pick up the dimmer sun, scan at a slightly larger radius instead)

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Find center using limb strips

Stick 3 limb-fitted centers into a structure along with each cropped sun image

Display 3 triple sun images with each region's center