

**Figure 1.**

SDO AIA 2013/06/26 193Å Heatmaps

Vertical Axes = Y-Coordinate [pixels]

Horizontal Axes = X-Coordinate [pixels]

1 Pixel = 0.6 Arcseconds

Derotate Based On: Middle Image

FFT Averaging: 2-Hour Segments

3x3 Pixel-Box Geometric Averaging

Curve-Fit Sigma: New (ds)

Curve-Fit Method: Dogbox

Parameter Bounds: $[(-0.002, 0.002), (0.3, 6.0), (-0.01, 0.01), (0.00001, 0.2), (-6.5, -4.6), (0.05, 0.8)]$

Changed Index Max Bound to 6.0 from 4.0

8.5 Hours for Spectra Fitting (Doubled Spec-Fit Time)