## Analysis of C5.6 flare (2015-06-24) Ca II 8542 Å $\Delta EW$ with $\Delta \lambda = 0.5$ Å. Ηα 0.9 1.00 0.0004 **—** Ηα 80 80 -0.8 0.0008 **→** Ca II 8542 Å 8.0 0.75 -0.0003 0.7 60 -60 0.50 0.0006 0.7 Contrast profile 0.0002 0.25 0.6 ∆*EW* [Å] 40 40 -- 0.0004 - 0.6 0.00 0.0001 - 0.5 20 20 -0.0002 - 0.5 -0.25- 0.4 0.0000 Minutes from start of flare [min] -0.50- 0.0000 0 -0 · 0.4 - 0.3 -0.0001-0.750.2 **-20** -20 0.3 85<sub>42.5</sub> 85<sub>43.0</sub> 65<sub>62.0</sub> 6562.5 65<sub>63.0</sub> 6563.5 85<sub>41.0</sub> 85<sub>41.5</sub> 85<sub>42.0</sub> 65<sub>64.0</sub> <sup>65</sup>61.5 20 40 60 \_50 Time from begin of flare [min] Ca II 8542 Å Contour plot $\mu$ -value Ηα 1e-7 1e-7 200 - 2.0 80 80 - 1.00 - 1.5 190 -0.75 60 -60 Voight + Residuals 1.0 0.50 [arcsec] 7 [arcsec] 7 [arcsec] 0.5 0.25 40 40 0.00 - 0.0 20 20 -0.25-0.5 160 --0.50-1.0 0 -0.75-1.5 150 --1.00-20 **-20** · 65<sub>62.0</sub> 85<sub>41.0</sub> 85<sub>41.5</sub> 85<sub>42.0</sub> 85<sub>42.5</sub> 85<sub>43.0</sub> 6562.5 6563.0 65<sub>63.5</sub> 65<sub>64.0</sub> 6561.5 480 500 520 X [arcsec] Wavelength [Å]