Analysis of M1.1 flare (2014-09-06) Ca II 8542 Å ΔEW with $\Delta \lambda = 0.5$ Å. Ηα 8.0 8.0 1.00175 **—** Ηα - 1.0012 20 20 -0.9 -— Ca II 8542 Å - 1.00150 0.7 - 0.7 - 1.0010 8.0 0 -0 1.00125 - 0.6 1.0008 - 0.6 - 1.00100 ⊴ 0.7 -20 -20 -- 0.5 1.0006 1.00075 - 0.5 0.6 -40 -40 · - 0.4 1.0004 1.00050 0.4 0.5 0.3 - 1.0002 **–**60 · -60- 1.00025 0.4 - 0.3 1.0000 - 1.00000 0.2 -80 --80 ⁶⁵62.5 85_{41.0} 85_{41.5} 85_{42.0} 85_{42.5} 85_{43.0} ⁶⁵61.5 ⁶⁵62.0 65_{63.0} ⁶⁵63.5 65_{64.0} 20 Time from begin of flare [min] Ca II 8542 Å Contour plot μ -value Ηα 1e-7 1e-7 -280 20 20 - 5 **-290** 2555 0 -300 **-** 4 - 3 _310 −320 × -20 -20 - 3 -40 -40**-**330 -0.0 — -60 -60 0.575 -340 --350 -**-80** -80 85_{42.5} 65_{62.0} ⁶⁵62.5 65_{63.5} 85_{41.5} 85_{42.0} 85_{43.0} 65_{61.5} 65_{63.0} 65_{64.0} 85_{41.0} ~>₆₀ ->40 ->20 ~>₀₀

Contrast profile

Minutes from start of flare [min]

Voight + Residuals

Wavelength [Å]

X [arcsec]