Pitching Analysis for pitcher Chapman, Max Pitch Speeds by Pitch Type Extension vs. Spin Rate Spin Rate (rpm) 2000 - 1000 - 1400 - 1200 - TaggedPitchType TaggedPitchType ChangeUp ChangeUp Curveball Curveball Fastball Fastball 0 -75 85 5.2 80 5.6 6.0 Pitch Speed (mph) Extension (ft) Vertical Break by Pitch Type Horizontal Break by Pitch Type Horizontal Break (in) Vertical Break (in) TaggedPitchType TaggedPitchType 20 -10 -10-ChangeUp ChangeUp 0 -0 -Curveball Curveball –10 **-**–10 **-**Fastball Fastball -20 **-**Fastball ChangeUp . Curveball ChangeUp Curveball Fastball Pitch Type Pitch Type Vertical Location (ft)

Vertical Location (ft)

- 0.5 - 0.9 Release Position Strike Zone Plot Pitch Type Pitch Type ChangeUp ChangeUp Curveball Curveball Fastball 0 -Fastball 0.0 -1.5-0.5-3 -2 3 Horizontal Location (ft) X Location Pitch Location Heat Map Count (%) Pitch Type Usage 5 -TaggedPitchType 150 -4 **-**3 **-**2 **-**Location Count ChangeUp 100 -3 Curveball 50 -2 0 -Fastball 0 Curveball Fastball 2 -2 ChangeUp -3 3 X Location Pitch Type