Pitching Analysis for pitcher Ruhle, Stephen Pitch Speeds by Pitch Type Extension vs. Spin Rate TaggedPitchType Spin Rate (rpm) 2400 - 2000 - 1600 - TaggedPitchType 30 Frequency ChangeUp ChangeUp 20 -Curveball Curveball 10 -Fastball Fastball 0 -Slider Slider 5.5 85 90 6.0 80 65 70 75 Pitch Speed (mph) Extension (ft) Vertical Break by Pitch Type Horizontal Break by Pitch Type Horizontal Break (in) TaggedPitchType Vertical Break (in) TaggedPitchType 20 -20 -ChangeUp ChangeUp 10 -10 -Curveball Curveball 0 -0 -–10 **-**Fastball -10 **-**Fastball -20 -20 · Slider Slider Slider Slider Fastball ChangeUp Curveball Fastball ChangeUp Curveball Pitch Type Pitch Type Vertical Location (ft)

Vertical Location (ft)

6.8 - 6.6 - 6.4 - 6.0 - Release Position Strike Zone Plot Pitch Type Pitch Type 5 -Location ChangeUp ChangeUp Curveball Curveball Fastball Fastball 0 -Slider Slider 1.5 2.0 -3 Horizontal Location (ft) X Location Pitch Location Heat Map Count (%) Pitch Type Usage TaggedPitchType 5 -Location 4 **-**3 **-**ChangeUp 100 -Count Curveball 50 -Fastball 0 -2 0 Slider Fastball -2 2 Curveball Slider -3 3 ChangeUp X Location Pitch Type