Pitching Analysis for pitcher Ryan, Thomas Pitch Speeds by Pitch Type Extension vs. Spin Rate Spin Rate (rpm) TaggedPitchType TaggedPitchType 2000 -Erednency 10 - 02 1800 -ChangeUp ChangeUp 1600 Curveball Curveball 1400 -Fastball Fastball 0 1200 -80 65 75 5.0 70 5.5 6.0 6.5 60 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 **-**-20 **-**ChangeUp Fastball ChangeUp Fastball Curveball Curveball Pitch Type Pitch Type Release Position Strike Zone Plot Vertical Location (ft) Pitch Type Pitch Type 6.0 **-**ChangeUp ChangeUp Curveball Curveball 5.6 **-**Fastball 0 -Fastball 0.5 1.0 1.5 2.0 -3 3 Horizontal Location (ft) X Location Pitch Location Heat Map Count (%) Pitch Type Usage 5 -TaggedPitchType 4 **-**3 **-**2 **-**Y Location 100 -Count ChangeUp 3 50 -Curveball 2 Fastball 0 -0 Fastball 2 -2 ChangeUp Curveball -3 3 X Location Pitch Type