kpsewhich longtable
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Glossary of Pitch F/X fields by Mike Fast

Field	Description
start_speed	pitch speed, in miles per hour and in three dimensions, measured at the initial point, gun and what we are familiar with for a pitcher's "velocity" .
end_speed	pitch speed measured as it crossed the front of home plate.
sz_top	distance in feet from the ground to the top of the current batter's rulebook strike zone line at the batter's belt as he settles into the hitting position, and the PITCHf/x softw
sz_bot	distance in feet from the ground to the bottom of the current batter's rulebook strike bottom of the zone.
pfx_x	horizontal movement, in inches, of the pitch between the release point and home pl spin-induced movement. This parameter is measured at y=40 feet regardless of the y0
pfx_z	vertical movement, in inches, of the pitch between the release point and home plate, as c movement. This parameter is measured at y=40 feet regardless of the y0 value.
px	left/right distance, in feet, of the pitch from the middle of the plate as it crossed home perspective, with distances to the right being positive and to the left being negative.
pz	height of the pitch in feet as it crossed the front of home plate.
x0	left/right distance, in feet, of the pitch, measured at the initial point.
y0	distance in feet from home plate where the PITCHf/x system is set to measure the in (and in a few instances 45 feet) from the plate at different times throughout the 2007 measurements. Sportvision settled on 50 feet in the second half of 2007, and this valu values of all other parameters measured at the release point, such as start_speed.
z0	height, in feet, of the pitch, measured at the initial point.
vx0, vy0, vz0	velocity of the pitch, in feet per second, in three dimensions, measured at the initial p
ax, ay, az	acceleration of the pitch, in feet per second per second, in three dimensions, measured
break_y	distance in feet from home plate to the point in the pitch trajectory where the pitch a point and the front of home plate.
break_angle	angle, in degrees, from vertical to the straight line path from the release point to where perspective.
break_length	measurement of the greatest distance, in inches, between the trajectory of the pitch a straight line path from the release point and the front of home plate, per the MLB Gam illustration of this parameter.
sv_id	a date/time stamp of when the PITCHf/x tracking system first detected the pitch in t
pitch_type	most probable pitch type according to a neural net classification algorithm developed
type_confidence	value of the weight at the classification algorithm's output node corresponding to the pitch is known by MLBAM to be part of the pitcher's repertoire
zone	appears to correspond to the location of the pitch based on the boxes into which the G
nasty	The âĂIJnastyâĂİ field is presumably a crude attempt to calculate how hard to hit a indicates that they are calculating the âĂIJnastyâĂİ factor mostly based on the locat from the heart of the zone. For the fastball, MLBAM does not appear to be including a factor. For the curveball, they appear to be rating sweeping curveballs as significantl this matters as more than a curiosity
cc	comment field that appears to my[Mike Fast] highly-trained eye to be auto-generated,