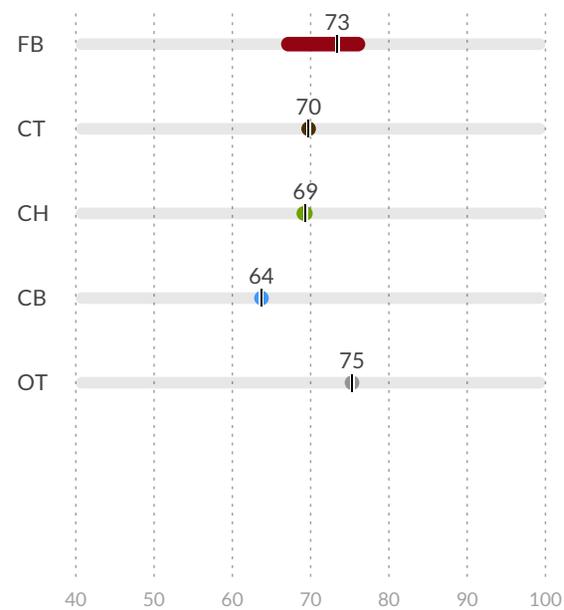


Avg. velocity by pitch type
mph



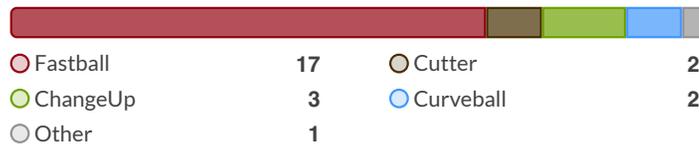
● **Fastball**

Pitch Speed Avg. **73** mph Max. **77** mph

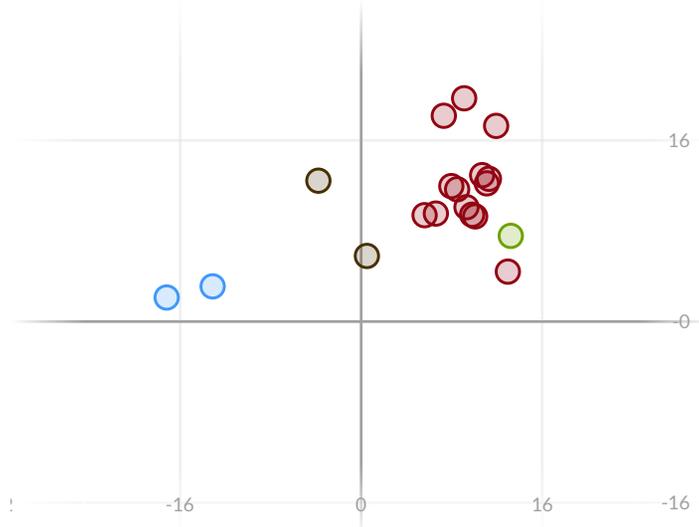
Total spin Avg. **1608** rpm

Pitches

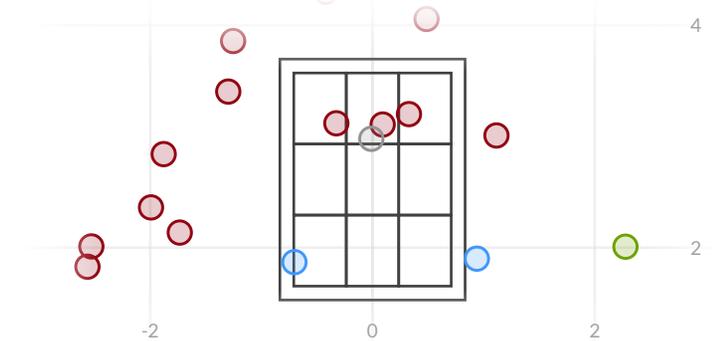
Total: **25**



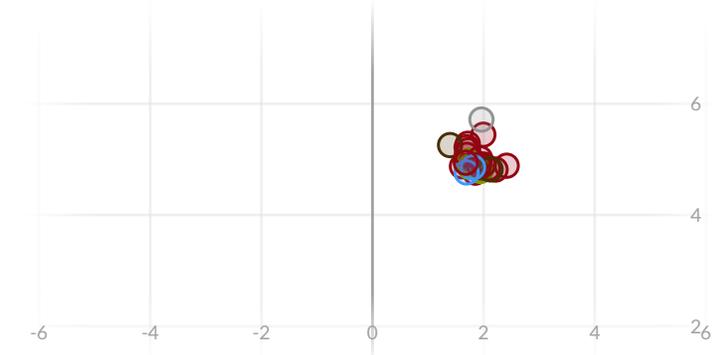
Movement
in



Location
ft



Release
ft



Stats by pitch type

| Pitch type | Qty. | Pitch Speed (mph) | | | Total spin (rpm) | | | IVB (in) | Horz. Mov (in) | | Vert. Mov (in) | Rel.h (ft) | Rel.side (ft) | EXT (ft) |
|-------------|------|-------------------|------|------|------------------|--------|--------|----------|----------------|-----------|----------------|------------|---------------|----------|
| | | Min. | Max. | Avg. | Min. | Max. | Avg. | | Avg. | Max. abs. | | | | |
| ● Fastball | 17 | 66.2 | 77.0 | 73.4 | 731.0 | 1811.6 | 1607.9 | 12.1 | 9.4 | 13.0 | 64.3 | 5.0 | 1.9 | 5.6 |
| ● Cutter | 2 | 69.6 | 69.9 | 69.7 | 1835.8 | 1905.9 | 1870.9 | 9.1 | -1.6 | 3.8 | 57.0 | 5.0 | 1.8 | 4.9 |
| ● ChangeUp | 3 | 68.2 | 70.3 | 69.3 | 1264.7 | 1288.7 | 1274.8 | 7.6 | 13.2 | 13.2 | 51.3 | 4.9 | 1.8 | 5.4 |
| ● Curveball | 2 | 63.5 | 64.0 | 63.7 | 1899.5 | 2013.9 | 1956.7 | 2.6 | -15.2 | 17.2 | 73.1 | 4.8 | 1.8 | 4.7 |
| ● Other | 1 | 75.3 | 75.3 | 75.3 | 1611.6 | 1611.6 | 1611.6 | - | - | - | - | 5.7 | 2.0 | 5.6 |

● Curveball
 ● ChangeUp
 ● Cutter
 ● Fastball

Pitches in session

| Pitch no. | Pitch Speed mph | Total spin rpm | Tilt sec | I. Vert. Mov in | Horz. Mov in | Extension ft | Release Height ft | Release Side ft | Spin efficiency % |
|--|--------------------|-------------------|-------------|--------------------|-----------------|-----------------|----------------------|--------------------|----------------------|
| ● #1 | 69.3 | 1399 | 1:15 | 11.7 | 8.5 | 9'2" | 4'11" | 2'5" | 84% |
| ● #2 | 73.9 | 1674 | 1:30 | 10.1 | 9.3 | 5'6" | 4'10" | 1'7" | 68% |
| ● #3 | 72.6 | 1618 | 1:30 | 12.2 | 11.1 | 5'7" | 4'9" | 1'10" | 75% |
| ● #4 | 73.4 | 1659 | 1:15 | 12.9 | 10.7 | 5'6" | 4'11" | 1'11" | 76% |
| ● #5 | 74.3 | 1649 | 1:15 | 9.5 | 6.6 | 5'4" | 4'10" | 1'11" | 66% |
| ● #6 | 74.5 | 1669 | 1:30 | 9.4 | 9.8 | 5'4" | 4'10" | 2'3" | 71% |
| ● #7 | 73.7 | 1707 | 1:30 | 9.3 | 10.1 | 4'9" | 4'11" | 1'10" | 70% |
| ● #8 | 73.3 | 1812 | 12:45 | 19.7 | 9.1 | 5'4" | 5'2" | 1'9" | 76% |
| ● #9 | 74.1 | 1737 | 12:45 | 18.2 | 7.3 | - | 5'3" | 1'8" | 74% |
| ● #10 | 73.6 | 1718 | - | - | - | 5'7" | 5'3" | 1'9" | 74% |
| ● #11 | 69.6 | 1265 | 2:00 | 7.6 | 13.2 | 5'9" | 4'9" | 1'11" | 83% |
| ● #12 | 68.2 | 1271 | 1:15 | - | - | 5'2" | 4'10" | 1'9" | 73% |
| ● #13 | 70.3 | 1289 | 2:30 | - | - | 5'2" | 5' | 1'9" | 70% |
| ● #14 | 74.1 | 1572 | 1:30 | 12.6 | 11.3 | 5'7" | 4'11" | 1'11" | 73% |
| ● #15 | 66.2 | 731 | 2:15 | 4.4 | 13.0 | 4'10" | 4'11" | 2' | 48% |
| ● #16 | 73.9 | 1556 | - | - | - | 4'11" | 5'5" | 2' | 75% |
| ● #17 | 75.0 | 1774 | 1:00 | 9.4 | 5.6 | 5'7" | 4'10" | 2'1" | 63% |
| ● #18 | 73.3 | 1781 | 1:00 | 12.0 | 8.0 | 5'5" | 5' | 1'11" | 63% |
| ● #19 | 69.6 | 1906 | 12:15 | 5.8 | 0.5 | 4'8" | 4'10" | 2'2" | 33% |
| ● #20 | 69.9 | 1836 | 11:30 | 12.4 | -3.8 | 5'2" | 5'3" | 1'5" | 25% |
| ● #21 | 75.3 | 1612 | - | - | - | 5'7" | 5'9" | 2' | 76% |

○ Curveball
 ○ ChangeUp
 ○ Cutter
 ○ Fastball

| Pitches in session | | | | | | | | | |
|---|--------------------|-------------------|-------------|--------------------|-----------------|-----------------|----------------------|--------------------|----------------------|
| Pitch no. | Pitch Speed mph | Total spin rpm | Tilt sec | I. Vert. Mov in | Horz. Mov in | Extension ft | Release Height ft | Release Side ft | Spin efficiency % |
| ○ #22 | 77.0 | 1624 | - | - | - | 5'4" | 5'1" | 1'8" | 74% |
| ○ #23 | 64.0 | 2014 | 9:15 | 2.1 | -17.2 | 4'8" | 4'10" | 1'10" | 41% |
| ○ #24 | 63.5 | 1900 | 9:30 | 3.1 | -13.1 | 4'8" | 4'9" | 1'8" | 47% |
| ○ #25 | 75.6 | 1654 | 1:15 | 17.3 | 11.9 | 5'9" | 4'11" | 1'8" | 79% |