# ADVANCED STATS

### June 28, 2022 vs Traverse City Pit Spitters

| # | Pitchers | IP | BAA | BABIP | BB% | K% | LOB% | FPS% | PFR | ERA- | FIP | FIP- | xR9 | RE24 | WAA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Jeremiah Newman | 10.0 | .297 | .393 | 32% | 19% | 55% | 46% | 3.00 | 214 | 7.84 | 170 | 14.93 | 7.41 | -0.82 |
| 6 | Keegan Batka | 16.0 | .167 | .257 | 12% | 34% | 65% | 54% | 1.88 | 37 | 2.79 | 60 | 2.81 | -6.29 | 0.44 |
| 10 | Nick Davies | 5.1 | .250 | .250 | 33% | 9% | 54% | 49% | 2.63 | 292 | 12.67 | 274 | 15.94 | 6.97 | -0.49 |
| 11 | Hank Weiss | 10.0 | .300 | .414 | 15% | 23% | 48% | 54% | 2.00 | 234 | 4.94 | 107 | 8.60 | 0.95 | -0.26 |
| 12 | Garrett Martin | 23.0 | .358 | .385 | 6% | 17% | 59% | 66% | 1.04 | 169 | 5.65 | 122 | 8.00 | 2.99 | -0.47 |
| 16 | Caleb Lanoux | 21.2 | .289 | .333 | 3% | 19% | 70% | 63% | 0.97 | 45 | 2.79 | 60 | 2.95 | -6.56 | 0.57 |
| 17 | Brett Sanchez | 17.2 | .200 | .245 | 6% | 19% | 59% | 56% | 1.13 | 0 | 3.87 | 84 | 1.48 | -6.89 | 0.72 |
| 18 | Anthony Tejeda | 12.0 | .205 | .300 | 13% | 31% | 71% | 64% | 2.00 | 32 | 3.21 | 69 | 4.66 | -3.58 | 0.12 |
| 19 | Travis Cowan | 14.1 | .260 | .231 | 21% | 5% | 35% | 51% | 1.40 | 231 | 8.58 | 185 | 7.64 | 5.68 | -0.25 |
| 25 | Justin Graves | 20.2 | .225 | .276 | 13% | 18% | 76% | 48% | 1.31 | 38 | 4.38 | 95 | 3.22 | -10.16 | 0.49 |
| 26 | Jackson Braden | 10.1 | .408 | .429 | 9% | 12% | 41% | 68% | 1.16 | 282 | 6.65 | 144 | 12.46 | 7.93 | -0.63 |
| 27 | Lucas Bixby | 18.1 | .304 | .313 | 10% | 10% | 50% | 52% | 0.98 | 138 | 4.86 | 105 | 4.81 | -4.11 | 0.16 |
| 28 | Jacob Lycan | 3.1 | .250 | .600 | 12% | 47% | 86% | 41% | 3.00 | 58 | 2.84 | 61 | 7.77 | -0.67 | -0.06 |
| 30 | Dominic Hann | 17.1 | .304 | .313 | 7% | 10% | 62% | 59% | 0.81 | 90 | 4.50 | 97 | 4.22 | -2.80 | 0.25 |
| 31 | Gavin Knust | 10.2 | .275 | .367 | 11% | 23% | 62% | 38% | 1.69 | 55 | 4.60 | 100 | 5.77 | -0.25 | 0.00 |
| 34 | Peter Schaefer | 0.0 | .000 | .000 | 0% | 0% | 0% | 0% | 0.00 | 0 | 0.00 | 0 | 0.00 | 0.00 | 0.00 |
| 35 | Zack Tukis | 6.1 | .143 | .188 | 24% | 17% | 91% | 45% | 1.89 | 31 | 6.25 | 135 | 5.02 | -1.51 | 0.04 |
| 36 | Adam Berghorst | 3.0 | .286 | .286 | 17% | 6% | 86% | 50% | 1.33 | 0 | 6.37 | 138 | 8.99 | -0.81 | -0.09 |

| # | Catchers | PA | AVG | OBP | SLG | OPS+ | BB% | K% | HR% | SBR | SECA | wOBA | wRC+ | RE24 | WAA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | Billy Hancock | 102 | .310 | .406 | .425 | 146 | 10% | 10% | 1.0% | -1.44 | .230 | .409 | 143.52 | -0.49 | 0.39 |
| 23 | Gabe Sotres | 31 | .231 | .355 | .385 | 118 | 16% | 26% | 0.0% | 0.37 | .385 | .366 | 111 | -0.87 | 0.01 |
| 29 | Aaron Dolney | 92 | .273 | .385 | .390 | 129 | 15% | 26% | 0.0% | 0.45 | .312 | .388 | 127 | -6.55 | 0.19 |

| # | Infielders | PA | AVG | OBP | SLG | OPS+ | BB% | K% | HR% | SBR | SECA | wOBA | wRC+ | RE24 | WAA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | Robbie Merced | 108 | .220 | .318 | .374 | 104 | 12% | 22% | 1.9% | -0.35 | .330 | .332 | 85 | 0.14 | -0.28 |
| 5 | Fisher Pyatt | 116 | .209 | .400 | .337 | 117 | 22% | 22% | 1.7% | -0.20 | .419 | .393 | 131 | 1.67 | 0.29 |
| 8 | James Canar | 59 | .163 | .281 | .224 | 46 | 10% | 24% | 0.0% | 0.06 | .204 | .275 | 42 | -9.17 | -0.44 |
| 9 | Dillon Kark | 97 | .253 | .320 | .333 | 92 | 5% | 21% | 0.0% | -0.04 | .126 | .323 | 78 | -2.22 | -0.33 |
| 15 | Patrick Mills | 135 | .349 | .466 | .541 | 200 | 16% | 17% | 1.5% | 0.21 | .404 | .480 | 198 | 17.30 | 1.27 |
| 21 | Joey Grabanski | 113 | .274 | .381 | .421 | 137 | 12% | 24% | 1.8% | 0.43 | .305 | .391 | 130 | 1.55 | 0.27 |

| # | Outfielders | PA | AVG | OBP | SLG | OPS+ | BB% | K% | HR% | SBR | SECA | wOBA | wRC+ | RE24 | WAA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | Rafael Gomez Jr. | 71 | .220 | .343 | .271 | 79 | 9% | 28% | 0.0% | 2.26 | .271 | .332 | 85 | -7.50 | -0.18 |
| 4 | Bobby Nichols | 84 | .292 | .386 | .306 | 103 | 12% | 15% | 0.0% | -0.28 | .236 | .364 | 109 | -0.07 | 0.01 |
| 7 | Isaiah Gibbs | 77 | .194 | .273 | .254 | 53 | 7% | 27% | 0.0% | -1.42 | .119 | .271 | 39 | -12.42 | -0.61 |
| 24 | Jace Matkin | 94 | .277 | .344 | .446 | 134 | 9% | 30% | 2.1% | 1.12 | .337 | .367 | 111 | -6.13 | 0.03 |

## DraftKings Game Line

# Expanded Standings

| Team | W-L | W% | pythW-L | xpW-L | RS | RA | Diff | xRS | xRA | Luck | xLuck | SOS | SRS | Park Factors (OFF/DEF) | |
|------|-----|-----|---------|-------|-----|-----|------|-----|-----|------|-------|-----|-----|------|------|
| St. Cloud | 20-6 | .769 | 20-6 | 20-6 | 189 | 95 | +94 | 180 | 99 | 0 | 0 | -0.09 | 3.52 | 99.69 | 94.26 |
| Wisconsin Rapids | 24-4 | .857 | 20-8 | 17-11 | 181 | 104 | +77 | 159 | 126 | +4 | +7 | -0.34 | 2.41 | 93.52 | 91.26 |
| Willmar | 16-11 | .593 | 16-11 | 18-9 | 168 | 140 | +28 | 171 | 123 | 0 | -2 | 0.54 | 1.58 | 99.73 | 99.36 |
| Kalamazoo | 17-12 | .586 | 18-11 | 16-13 | 229 | 181 | +48 | 198 | 179 | -1 | +1 | -0.54 | 1.11 | 102.81 | 103.18 |
| Eau Claire | 16-11 | .593 | 16-11 | 15-12 | 140 | 113 | +27 | 138 | 127 | 0 | +1 | -0.22 | 0.78 | 99.46 | 100.63 |
| Fond du Lac | 15-12 | .556 | 15-12 | 13-14 | 178 | 158 | +20 | 160 | 177 | 0 | +2 | 0.00 | 0.74 | 102.24 | 100.82 |
| Mankato | 15-14 | .517 | 15-14 | 17-12 | 157 | 156 | +1 | 168 | 138 | 0 | -2 | 0.67 | 0.70 | 96.54 | 95.51 |
| Lakeshore | 14-15 | .483 | 16-13 | 18-11 | 160 | 141 | +19 | 169 | 136 | -2 | -4 | -0.02 | 0.63 | 97.36 | 96.86 |
| La Crosse | 15-14 | .517 | 15-14 | 13-16 | 194 | 180 | +14 | 176 | 195 | 0 | +2 | -0.14 | 0.34 | 100.27 | 101.51 |
| Rockford | 14-15 | .483 | 16-13 | 15-15 | 178 | 158 | +20 | 164 | 163 | -2 | -1 | -0.40 | 0.29 | 117.39 | 119.01 |
| Kenosha | 14-15 | .483 | 15-14 | 15-14 | 169 | 158 | +11 | 166 | 164 | -1 | -1 | -0.15 | 0.23 | 106.59 | 105.80 |
| Traverse City | 14-15 | .483 | 15-14 | 16-13 | 165 | 157 | +8 | 158 | 145 | -1 | -2 | -0.24 | 0.04 | 88.90 | 86.57 |
| Duluth | 15-12 | .556 | 14-13 | 12-15 | 161 | 151 | +10 | 157 | 174 | +1 | +3 | -0.42 | -0.05 | 100.34 | 101.23 |
| Wasau | 14-15 | .483 | 13-16 | 13-16 | 118 | 135 | -17 | 121 | 135 | +1 | +1 | 0.39 | -0.20 | 97.82 | 97.80 |
| Madison | 14-15 | .483 | 14-15 | 14-15 | 153 | 160 | -7 | 147 | 159 | 0 | 0 | -0.03 | -0.27 | 96.64 | 96.85 |
| **Battle Creek** | **14-15** | **.483** | **13-16** | **13-16** | **179** | **206** | **-27** | **171** | **189** | **+1** | **+1** | **0.23** | **-0.71** | **92.57** | **94.95** |
| Rochester | 11-16 | .407 | 12-15 | 11-16 | 159 | 184 | -25 | 153 | 186 | -1 | 0 | -0.30 | -1.22 | 105.20 | 106.51 |
| Green Bay | 9-20 | .310 | 9-20 | 10-19 | 113 | 172 | -59 | 125 | 181 | 0 | -1 | 0.75 | -1.29 | 108.25 | 110.66 |
| Minnesota | 5-10 | .333 | 6-9 | 5-10 | 87 | 113 | -26 | 77 | 122 | -1 | 0 | -0.02 | -1.76 | | |
| Bismarck | 10-17 | .370 | 10-17 | 10-17 | 142 | 194 | -52 | 140 | 196 | 0 | 0 | -0.36 | -2.28 | 96.86 | 98.81 |
| Waterloo | 7-20 | .259 | 8-19 | 9-18 | 131 | 202 | -71 | 152 | 218 | -1 | -2 | 0.19 | -2.44 | 104.73 | 103.57 |
| Kokomo | 8-20 | .286 | 8-20 | 9-19 | 126 | 212 | -86 | 130 | 195 | 0 | -1 | 0.38 | -2.69 | 97.91 | 98.03 |

*highlighted records would lead division

# League Leaders

| On-Base Average (wOBA) | | | Secondary Average (SECA) | | | Runs Created (wRC+) | | | Wins Above Average (WAA) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ben Ross | WIR | .536 | Ryan Guardino | WAT | .622 | Ben Ross | WIR | 238 | Ben Ross | WIR | 1.49 |
| Michael Carico | ROC | .535 | Caden Kaiser | LAK | .603 | Michael Carico | ROC | 228 | Patrick Mills | BC | 1.27 |
| Nico Regino | ROC | .501 | Trey Truitt III | TVC | .588 | Brendan Bobo | WIR | 210 | Sean Ross | MAN | 1.22 |
| Matthew Deprey | LAK | .499 | Michael Carico | ROC | .564 | Matthew Deprey | LAK | 206 | Garrett Martin | LAK | 1.21 |
| Brendan Bobo | WIR | .499 | Ty Crittenberger | RFD | .525 | Nico Regino | ROC | 201 | John Nett | STC | 1.16 |
| **Fielding Ind. Pitching (FIP)** | | | **Expected Runs / 9IP (xR9)** | | | **Strikeout Rate (K%)** | | | **Wins Above Average (WAA)** | | |
| Dan Wright | MAD | 2.23 | Dan Wright | MAD | 0.02 | Jake Hamilton | DUL | 33% | Dan Wright | MAD | 1.81 |
| David Rodriguez | ROC | 2.25 | Jack Habeck | WIL | 0.75 | Brandt Thompson | MIN | 33% | Jack Habeck | WIL | 1.73 |
| Jake Hamilton | DUL | 3.00 | Ty Rybarczyk | RFD | 0.99 | Eric Chalus | LAK | 30% | Dylan Carter | GB | 1.27 |
| Eric Chalus | LAK | 3.04 | Eric Chalus | LAK | 1.42 | Dan Wright | MAD | 30% | Owen Boerema | MAN | 1.21 |
| Ty Rybarczyk | RFD | 3.04 | Aren Gustafson | TVC | 1.55 | Robbie Dudzinski | KEN | 29% | Aren Gustafson | TVC | 1.18 |

# Matrices

| Run Expectancy Matrix | | | |
|---|---|---|---|
| Runners | 0 Outs | 1 Out | 2 Outs |
| 000 | 0.755 | 0.287 | 0.053 |
| 100 | 1.278 | 0.679 | 0.150 |
| 020 | 1.409 | 1.021 | 0.205 |
| 003 | 1.357 | 1.566 | 0.470 |
| 120 | 1.892 | 1.468 | 0.717 |
| 103 | 2.000 | 1.455 | 0.411 |
| 023 | 2.533 | 1.833 | 0.759 |
| 123 | 2.830 | 1.808 | 1.320 |

| Run Probability Matrix | | | |
|---|---|---|---|
| Runners | 0 Outs | 1 Out | 2 Outs |
| 000 | 33.53% | 14.52% | 4.41% |
| 100 | 56.04% | 28.80% | 11.23% |
| 020 | 69.57% | 49.48% | 16.07% |
| 003 | 71.43% | 76.09% | 32.81% |
| 120 | 73.08% | 58.51% | 31.52% |
| 103 | 84.00% | 61.36% | 24.59% |
| 023 | 88.24% | 81.25% | 35.48% |
| 123 | 100.00% | 76.92% | 50.67% |

This sheet contains simple shorthand for a variety of complicated advanced metrics. Scan here for a quick glossary to help make the information more meaningful to you.



SCAN ME

# Expected Runs By Inning

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | FINAL |
|---|---|---|---|---|---|---|---|---|---|---|
| VISITOR | 0.4 | 1.0 | 1.3 | 0.3 | 1.0 | 1.1 | 0.5 | 0.6 | 0.8 | 7.10 |
| BATTLE CREEK | 0.5 | 0.9 | 0.4 | 1.1 | 0.4 | 1.0 | 0.6 | 0.6 | 0.6 | 6.17 |