# ADVANCED STATS

## July 29, 2022 vs. Rockford Rivets

| # | Pitching | IP | BAA | BABIP | BB% | K% | K/BB | LOB% | FPS% | ERA | ERA- | FIP | FIP- | RE24 | pWAA | WAR |
|---|----------|-----|------|-------|-----|-----|------|------|------|------|------|------|------|-------|-------|------|
| 27 | Cole Altherr | 11.2 | .320 | .410 | 9% | 21% | 2.40 | 57% | 52% | 6.17 | 122 | 3.26 | 64 | 1.45 | 0.16 | 0.26 |
| - | Keegan Batka | 23.0 | .179 | .232 | 11% | 28% | 2.60 | 71% | 53% | 1.57 | 31 | 3.64 | 72 | -8.03 | 0.23 | 0.55 |
| 36 | Adam Berghorst | 26.0 | .240 | .261 | 15% | 11% | 0.72 | 65% | 50% | 2.77 | 55 | 5.34 | 105 | -1.67 | -0.16 | 0.25 |
| - | Lucas Bixby | 18.1 | .304 | .313 | 10% | 10% | 1.00 | 50% | 52% | 6.38 | 126 | 4.85 | 95 | 3.46 | -0.03 | 0.22 |
| 5 | Evan Borst | 1.0 | .000 | .000 | 40% | 20% | 0.50 | 100% | 60% | 0.00 | 0 | 8.03 | 158 | -0.68 | -0.03 | -0.02 |
| 19 | Jackson Braden | 36.2 | .322 | .355 | 5% | 18% | 3.44 | 52% | 65% | 5.65 | 111 | 4.30 | 85 | 2.90 | 0.13 | 0.66 |
| 30 | Brayden Childress | 0.0 | .000 | .000 | 0% | 0% | 0.00 | 0% | 0% | 0.00 | 0 | 0.00 | 0 | 0.00 | 0.00 | 0.00 |
| 13 | Travis Cowan | 25.2 | .258 | .264 | 21% | 11% | 0.54 | 48% | 51% | 8.06 | 159 | 7.11 | 140 | 9.32 | -0.59 | -0.26 |
| 10 | Damon Cox | 3.1 | .273 | .273 | 45% | 5% | 0.10 | 38% | 36% | 18.90 | 372 | 12.43 | 245 | 2.97 | -0.24 | -0.19 |
| - | Nick Davies | 5.2 | .360 | .381 | 34% | 7% | 0.21 | 47% | 44% | 20.65 | 407 | 13.73 | 271 | 13.72 | -0.48 | -0.37 |
| 25 | Justin Graves | 40.0 | .225 | .265 | 11% | 17% | 1.61 | 80% | 55% | 2.03 | 40 | 4.55 | 90 | -19.62 | 0.04 | 0.76 |
| - | Dominic Hann | 21.1 | .301 | .316 | 10% | 11% | 1.10 | 67% | 59% | 4.22 | 83 | 4.97 | 98 | -1.99 | -0.06 | 0.28 |
| 23 | Ben Harris | 6.2 | .238 | .227 | 21% | 9% | 0.43 | 43% | 44% | 6.75 | 133 | 7.18 | 141 | 3.22 | -0.16 | -0.06 |
| 31 | Gavin Knust | 21.1 | .280 | .338 | 10% | 18% | 1.90 | 68% | 43% | 2.95 | 58 | 4.36 | 86 | -4.75 | 0.06 | 0.26 |
| 16 | Caleb Lanoux | 43.1 | .271 | .349 | 5% | 25% | 5.11 | 68% | 65% | 2.91 | 57 | 2.67 | 53 | -10.37 | 0.83 | 1.24 |
| - | Jacob Lycan | 11.1 | .167 | .273 | 22% | 33% | 1.50 | 67% | 49% | 5.56 | 110 | 4.82 | 95 | -2.41 | -0.02 | 0.09 |
| 12 | Garrett Martin | 49.0 | .296 | .319 | 5% | 18% | 3.80 | 63% | 65% | 4.22 | 83 | 4.48 | 88 | -7.43 | 0.09 | 1.03 |
| 28 | Riley Mertl | 0.0 | .000 | .000 | 0% | 0% | 0.00 | 0% | 0% | 0.00 | 0 | 0.00 | 0 | 0.00 | 0.00 | 0.00 |
| - | Jeremiah Newman | 10.2 | .300 | .387 | 35% | 17% | 0.48 | 47% | 44% | 13.50 | 266 | 8.72 | 172 | 9.88 | -0.41 | -0.27 |
| - | Cohen Nies | 6.2 | .217 | .357 | 22% | 31% | 1.43 | 54% | 69% | 6.75 | 133 | 4.63 | 91 | -0.22 | 0.00 | 0.06 |
| 26 | AJ Riddle Jr. | 13.1 | .255 | .324 | 14% | 20% | 1.44 | 65% | 52% | 6.08 | 120 | 5.23 | 103 | 0.01 | -0.07 | 0.14 |
| - | Nathan Ross | 17.1 | .318 | .392 | 12% | 22% | 1.90 | 68% | 48% | 5.19 | 102 | 5.01 | 99 | 2.07 | -0.06 | 0.13 |
| 17 | Brett Sanchez | 34.2 | .237 | .282 | 5% | 22% | 4.25 | 61% | 59% | 2.60 | 51 | 3.94 | 78 | -8.09 | 0.24 | 0.79 |
| - | Peter Schaefer | 2.0 | .143 | .000 | 0% | 14% | INF | 0% | 71% | 4.50 | 89 | 9.53 | 188 | -0.37 | -0.09 | -0.05 |
| - | David Stich Jr. | 3.2 | .333 | .333 | 38% | 10% | 0.27 | 48% | 48% | 19.64 | 387 | 16.57 | 326 | 10.71 | -0.41 | -0.34 |
| - | Anthony Tejeda | 18.2 | .224 | .300 | 14% | 26% | 1.92 | 75% | 61% | 0.96 | 19 | 3.65 | 72 | -2.76 | 0.18 | 0.35 |
| 34 | Cade Thune | 3.0 | .273 | .375 | 14% | 29% | INF | 20% | 57% | 9.00 | 177 | 3.36 | 66 | 2.46 | 0.04 | 0.06 |
| 35 | Zack Tukis | 10.0 | .270 | .345 | 31% | 15% | 0.47 | 68% | 47% | 9.90 | 195 | 9.43 | 186 | 7.77 | -0.45 | -0.33 |
| - | Julian Vargas | 1.1 | .625 | .444 | 8% | 0% | 0.00 | 18% | 58% | 40.50 | 798 | 18.28 | 360 | 4.61 | -0.17 | -0.14 |
| 11 | Hank Weiss | 22.1 | .290 | .415 | 17% | 24% | 1.45 | 46% | 49% | 10.48 | 206 | 4.79 | 94 | 4.40 | -0.03 | 0.20 |
| - | Robert Whelan | 3.2 | .167 | .182 | 26% | 9% | 0.33 | 50% | 57% | 12.27 | 242 | 11.12 | 219 | 1.35 | -0.22 | -0.17 |

| # | Batting | PA | AVG | OBP | SLG | OPS+ | BB% | K% | HR% | wSB | SECA | wOBA | wRC+ | RE24 | pWAA | WAR |
|---|---------|-----|------|------|------|------|-----|-----|------|------|------|------|------|--------|-------|------|
| 5 | Evan Borst | 33 | .250 | .344 | .357 | 102 | 6% | 12% | 3.0% | 0.29 | .321 | .350 | 95 | -2.99 | 0.01 | 0.10 |
| 8 | James Canar | 115 | .172 | .319 | .215 | 51 | 13% | 29% | 0.0% | 0.19 | .226 | .300 | 60 | -10.43 | -0.47 | -0.18 |
| 29 | Aaron Dolney | 171 | .271 | .400 | .371 | 122 | 18% | 23% | 0.0% | 0.44 | .343 | .393 | 124 | -0.95 | 0.51 | 1.05 |
| 7 | Isaiah Gibbs | 125 | .218 | .285 | .291 | 64 | 6% | 27% | 0.0% | -0.52 | .145 | .288 | 52 | -14.46 | -0.69 | -0.38 |
| - | Rafael Gomez Jr. | 85 | .246 | .366 | .333 | 101 | 9% | 27% | 0.0% | 1.12 | .333 | .360 | 101 | -3.61 | 0.11 | 0.36 |
| 21 | Joey Grabanski | 223 | .261 | .359 | .394 | 117 | 12% | 24% | 1.8% | -0.72 | .282 | .368 | 107 | 4.29 | 0.16 | 0.80 |
| 14 | Billy Hancock | 204 | .313 | .399 | .392 | 128 | 10% | 16% | 0.5% | -1.32 | .205 | .395 | 125 | 0.98 | 0.49 | 1.12 |
| 18 | Raymond Hilbrich | 14 | .400 | .571 | .500 | 212 | 21% | 0% | 0.0% | 0.14 | .500 | .546 | 228 | 0.76 | 0.21 | 0.27 |
| - | Core Jackson | 20 | .250 | .450 | .333 | 125 | 20% | 10% | 0.0% | 0.32 | .583 | .419 | 142 | -0.72 | 0.12 | 0.19 |
| - | Dillon Kark | 193 | .222 | .306 | .287 | 69 | 6% | 21% | 0.0% | -1.21 | .140 | .304 | 63 | -10.16 | -0.86 | -0.37 |
| 24 | Jace Matkin | 159 | .261 | .367 | .418 | 127 | 13% | 31% | 1.9% | 1.02 | .373 | .381 | 116 | -4.54 | 0.38 | 0.86 |
| 2 | Robbie Merced | 176 | .212 | .295 | .325 | 78 | 10% | 26% | 1.1% | -2.12 | .252 | .304 | 63 | -7.69 | -0.86 | -0.41 |
| 15 | Patrick Mills | 264 | .290 | .401 | .438 | 143 | 14% | 17% | 0.8% | -0.43 | .323 | .409 | 135 | 13.92 | 1.01 | 1.87 |
| - | Bobby Nichols | 124 | .290 | .382 | .336 | 106 | 11% | 19% | 0.0% | 0.82 | .280 | .370 | 108 | 3.83 | 0.19 | 0.56 |
| 9 | Trevor Patterson | 9 | .143 | .333 | .143 | 33 | 22% | 33% | 0.0% | -0.02 | .286 | .296 | 58 | 0.60 | -0.04 | -0.02 |
| 4 | Tate Peterson | 19 | .188 | .263 | .188 | 26 | 5% | 16% | 0.0% | 0.34 | .188 | .245 | 23 | -1.61 | -0.13 | -0.09 |
| - | Fisher Pyatt | 155 | .241 | .418 | .353 | 122 | 20% | 23% | 1.3% | -0.66 | .379 | .405 | 132 | 3.71 | 0.52 | 1.01 |
| 1 | Charlie Rhee | 78 | .231 | .351 | .246 | 70 | 13% | 12% | 0.0% | -0.35 | .215 | .327 | 79 | -13.02 | -0.19 | 0.01 |
| 3 | Brycen Sherwood | 68 | .189 | .368 | .226 | 69 | 21% | 19% | 0.0% | -0.32 | .321 | .338 | 87 | -5.57 | -0.11 | 0.07 |
| - | Gabe Sotres | 39 | .242 | .359 | .394 | 117 | 15% | 26% | 0.0% | -0.43 | .333 | .369 | 108 | -2.46 | 0.01 | 0.12 |
| 6 | Jimmy Wressel | 11 | .222 | .364 | .222 | 66 | 9% | 27% | 0.0% | -0.02 | .111 | .334 | 84 | -0.66 | -0.02 | 0.01 |

# Expanded Standings

| Team | W-L | W% | pythW-L | xpW-L | RS | RA | Diff | xRS | xRA | Luck | xLuck | SOS | SRS | Park Factors (OFF/DEF) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Wisconsin Rapids | 45-12 | .789 | 42-15 | 36-21 | 387 | 219 | +168 | 369 | 273 | +3 | +9 | -0.24 | 2.70 | 96.27 | 93.54 |
| St. Cloud | 39-15 | .722 | 38-16 | 39-15 | 352 | 215 | +137 | 346 | 209 | +1 | 0 | 0.05 | 2.59 | 102.42 | 97.66 |
| Willmar | 37-16 | .698 | 36-17 | 34-19 | 354 | 238 | +116 | 335 | 238 | +1 | +3 | -0.28 | 1.91 | 99.69 | 98.13 |
| Wasau | 29-27 | .518 | 30-26 | 31-25 | 342 | 313 | +29 | 326 | 292 | -1 | -2 | 0.40 | 0.91 | 100.37 | 99.83 |
| Traverse City | 34-22 | .607 | 34-22 | 35-21 | 329 | 259 | +70 | 305 | 231 | 0 | -1 | -0.50 | 0.75 | 90.78 | 88.36 |
| Eau Claire | 32-21 | .604 | 29-24 | 27-26 | 289 | 260 | +29 | 291 | 286 | +3 | +5 | 0.17 | 0.72 | 93.95 | 94.71 |
| Fond du Lac | 29-27 | .518 | 31-25 | 27-29 | 393 | 351 | +42 | 365 | 380 | -2 | +2 | -0.26 | 0.49 | 103.65 | 102.32 |
| Lakeshore | 28-28 | .500 | 28-28 | 28-28 | 303 | 300 | +3 | 311 | 311 | 0 | 0 | 0.33 | 0.39 | 97.91 | 97.71 |
| Mankato | 29-24 | .547 | 29-24 | 32-21 | 300 | 275 | +25 | 329 | 258 | 0 | -3 | -0.10 | 0.37 | 95.48 | 94.30 |
| Kalamazoo | 30-26 | .536 | 31-25 | 30-26 | 416 | 376 | +40 | 378 | 353 | -1 | 0 | -0.38 | 0.34 | 98.26 | 98.61 |
| La Crosse | 27-27 | .500 | 29-25 | 24-30 | 352 | 325 | +27 | 321 | 369 | -2 | +3 | -0.23 | 0.27 | 106.40 | 107.27 |
| Rockford | 28-29 | .491 | 31-26 | 30-27 | 352 | 318 | +34 | 340 | 315 | -3 | -2 | -0.36 | 0.23 | 118.28 | 119.35 |
| Kenosha | 26-31 | .456 | 30-27 | 28-29 | 320 | 307 | +13 | 324 | 328 | -4 | -2 | -0.15 | 0.07 | 107.53 | 106.86 |
| Duluth | 27-27 | .500 | 27-27 | 25-29 | 302 | 307 | -5 | 313 | 338 | 0 | +2 | -0.03 | -0.12 | 101.31 | 102.21 |
| Rochester | 24-29 | .453 | 25-28 | 24-29 | 347 | 376 | -29 | 334 | 373 | -1 | 0 | 0.15 | -0.39 | 102.39 | 103.47 |
| Battle Creek | 26-30 | .464 | 24-32 | 26-30 | 314 | 367 | -53 | 308 | 333 | +2 | 0 | 0.07 | -0.88 | 92.67 | 95.05 |
| Green Bay | 23-33 | .411 | 22-34 | 23-33 | 272 | 350 | -78 | 301 | 365 | +1 | 0 | 0.50 | -0.89 | 107.05 | 109.11 |
| Madison | 23-34 | .404 | 22-35 | 19-38 | 308 | 395 | -87 | 291 | 419 | +1 | +4 | 0.20 | -1.33 | 92.25 | 93.30 |
| Bismarck | 19-36 | .345 | 22-33 | 20-35 | 318 | 396 | -78 | 312 | 420 | -3 | -1 | -0.06 | -1.48 | 95.31 | 97.12 |
| Waterloo | 14-39 | .264 | 17-36 | 19-34 | 283 | 424 | -141 | 310 | 430 | -3 | -5 | 0.24 | -2.42 | 104.68 | 104.84 |
| Kokomo | 15-40 | .273 | 15-40 | 17-38 | 243 | 419 | -176 | 246 | 379 | 0 | -2 | 0.42 | -2.78 | 95.34 | 96.49 |
| Minnesota | 6-21 | .222 | 8-19 | 6-21 | 130 | 211 | -81 | 123 | 234 | -2 | 0 | 0.10 | -2.90 | | |

*highlighted records would lead division                    *Minnesota does not have a home ballpark

# League Leaders

| On-Base Average (wOBA) | | | Isolated Power (ISO) | | | Stolen Base Runs (SBR) | | | Wins Above Replacement (WAR) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ben Ross | WIR | .531 | Ethan Mann | STC | .291 | Ryan Guardino | WAT | 4.53 | Ben Ross | WIR | 3.5 |
| Sean Ross | MAN | .509 | Brendan Bobo | WIR | .268 | Jack Rogers | DUL | 3.08 | Sean Ross | MAN | 3.2 |
| John Nett | STC | .486 | Joey Walls | WIL | .241 | Michael Seegers | LAK | 2.88 | John Nett | STC | 2.9 |
| Hunter Dorraugh | WAU | .475 | Ben Ross | WIR | .228 | Camden Traficante | TVC | 2.81 | Brendan Bobo | WIR | 2.6 |
| Ryan Guardino | WAT | .473 | Kyle Huckstorf | WAT | .227 | Caden Kaiser | LAK | 2.79 | Ryan Dykstra | KZO | 2.5 |
| **Fielding Ind. Pitching (FIP)** | | | **Walk Rate (BB%)** | | | **Strikeout Rate (K%)** | | | **Wins Above Replacement (WAR)** | | |
| Donovan Schultz | MAN | 2.91 | Connor Harrison | LAC | 4% | Donovan Schultz | MAN | 29% | Ross Thompson | RFD | 1.7 |
| Ross Thompson | RFD | 3.42 | Pat Miner | DUL | 4% | Aaron Treloar | WAT | 26% | Donovan Schultz | MAN | 1.7 |
| Clark Candiotti | KEN | 3.43 | Jack Habeck | WIL | 4% | Will Semb | GB | 24% | Dan Wright | MAD | 1.6 |
| Aren Gustafson | TVC | 3.45 | Garrett Martin | BC | 5% | Clark Candiotti | KEN | 23% | Clark Candiotti | KEN | 1.6 |
| Ty Rybarczyk | RFD | 3.75 | Aren Gustafson | TVC | 5% | Anthony Pron | WAT | 23% | Aren Gustafson | TVC | 1.6 |

# Matrices

| Run Expectancy Matrix | | | |
|---|---|---|---|
| Runners | 0 Outs | 1 Out | 2 Outs |
| 000 | 0.687 | 0.308 | 0.093 |
| 100 | 1.173 | 0.644 | 0.212 |
| 020 | 1.315 | 0.973 | 0.219 |
| 003 | 1.288 | 1.253 | 0.438 |
| 120 | 1.806 | 1.265 | 0.593 |
| 103 | 1.927 | 1.442 | 0.452 |
| 023 | 2.347 | 1.738 | 0.682 |
| 123 | 2.532 | 1.619 | 1.159 |

| Run Probability Matrix | | | |
|---|---|---|---|
| Runners | 0 Outs | 1 Out | 2 Outs |
| 000 | 33.19% | 16.42% | 6.43% |
| 100 | 53.64% | 29.60% | 13.22% |
| 020 | 68.46% | 51.37% | 16.42% |
| 003 | 80.00% | 72.94% | 32.50% |
| 120 | 73.08% | 52.35% | 26.92% |
| 103 | 86.54% | 64.94% | 30.39% |
| 023 | 92.31% | 80.00% | 36.17% |
| 123 | 97.83% | 71.43% | 46.83% |

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.

# DraftKings Betting Line

| Teams | Run Line | Total | Moneyline |
|---|---|---|---|
| ROCKFORD RIVETS (26-29) | -1.5 (+100) | O 13 (-110) | -135 |
| BATTLE CREEK BATTLE JACKS (26-28) | +1.5 (-120) | U 13 (-110) | +115 |