ADVANCED STATS

July 1, 2022 vs. Rockford Rivets

BATTLE CREEK BATTLE JACKS (16-16)

#	Pitchers	IP	BAA	BABIP	BB%	K%	LOB%	FPS%	PFR	ERA-	FIP	FIP-	xR9	RE24	WAA
1	Jeremiah Newman	10.2	.300	.387	35%	17%	47%	44%	3.19	290	8.73	188	16.62	7.41	-1.03
6	Keegan Batka	23.0	.179	.232	11%	28%	71%	53%	1.57	34	3.66	79	2.67	-6.29	0.67
10	Nick Davies	5.1	.286	.294	34%	9%	59%	49%	2.81	290	13.23	284	18.43	6.97	-0.61
11	Hank Weiss	13.0	.245	.364	14%	27%	48%	55%	2.00	179	4.43	95	6.33	0.95	-0.07
12	Garrett Martin	23.0	.358	.385	6%	17%	59%	66%	1.04	168	5.66	122	8.00	2.99	-0.47
16	Caleb Lanoux	23.0	.276	.324	4%	20%	71%	63%	1.04	42	2.83	61	2.83	-6.56	0.64
17	Brett Sanchez	17.2	.200	.245	6%	19%	59%	56%	1.13	0	3.88	83	1.48	-6.89	0.72
18	Anthony Tejeda	12.0	.222	.333	14%	30%	68%	61%	2.08	32	3.46	74	5.77	-3.58	0.00
13	Travis Cowan	14.1	.260	.231	21%	5%	35%	51%	1.40	229	8.58	184	7.64	5.68	-0.25
25	Justin Graves	24.2	.244	.306	12%	19%	79%	54%	1.38	39	4.29	92	4.10	-10.16	0.38
19	Jackson Braden	16.1	.380	.393	8%	13%	55%	66%	1.10	201	6.56	141	10.11	7.93	-0.64
27	Lucas Bixby	18.1	.304	.313	10%	10%	50%	52%	0.98	137	4.87	105	4.81	-4.11	0.16
28	Jacob Lycan	3.1	.250	.600	12%	47%	86%	41%	3.00	58	2.85	61	7.77	-0.67	-0.06
30	Dominic Hann	17.1	.304	.313	7%	10%	62%	59%	0.81	89	4.51	97	4.22	-2.80	0.25
31	Gavin Knust	10.2	.275	.367	11%	23%	62%	38%	1.69	54	4.61	99	5.77	-0.25	0.00
34	Peter Schaefer	2.0	.143	.000	0%	14%	0%	71%	0.50	97	9.55	205	2.99	0.00	0.05
35	Zack Tukis	7.1	.130	.176	24%	21%	92%	42%	2.05	26	5.82	125	4.83	-1.51	0.06
36	Adam Berghorst	5.0	.263	.294	26%	11%	75%	52%	2.00	77	7.05	151	9.99	-0.81	-0.19

#	Catchers	PA	AVG	OBP	SLG	OPS+	BB%	K%	HR%	SBR	SECA	wOBA	wRC+	RE24	WAA
14	Billy Hancock	118	.296	.402	.418	141	11%	12%	0.8%	-1.46	.255	.404	138.26	-3.18	0.39
23	Gabe Sotres	35	.233	.343	.367	107	14%	26%	0.0%	0.11	.300	.351	98	-2.62	-0.04
29	Aaron Dolney	103	.273	.373	.375	119	14%	25%	0.0%	0.82	.284	.374	115	-5.63	0.09

#	Infielders	PA	AVG	OBP	SLG	OPS+	BB%	K%	HR%	SBR	SECA	wOBA	wRC+	RE24	WAA
2	Robbie Merced	116	.222	.313	.364	97	11%	22%	1.7%	-0.35	.313	.325	79	-3.40	-0.37
5	Fisher Pyatt	131	.235	.415	.347	123	21%	22%	1.5%	-0.28	.388	.404	138	3.57	0.43
8	James Canar	64	.176	.323	.235	61	14%	23%	0.0%	0.03	.255	.310	68	-5.43	-0.28
9	Dillon Kark	112	.248	.313	.317	83	5%	21%	0.0%	0.00	.129	.313	70	-3.73	-0.47
15	Patrick Mills	151	.344	.450	.512	184	15%	17%	1.3%	0.12	.352	.460	180	18.83	1.16
21	Joey Grabanski	129	.296	.395	.491	161	12%	25%	3.1%	0.41	.361	.415	146	5.78	0.54

#	Outfielders	PA	AVG	OBP	SLG	OPS+	BB%	K%	HR%	SBR	SECA	wOBA	wRC+	RE24	WAA
3	Rafael Gomez Jr.	76	.242	.365	.306	95	9%	28%	0.0%	2.42	.306	.356	102	-4.84	-0.05
4	Bobby Nichols	95	.304	.415	.316	113	14%	15%	0.0%	-0.12	.278	.389	127	1.85	0.20
7	Isaiah Gibbs	82	.197	.272	.254	51	6%	28%	0.0%	-1.24	.113	.270	38	-13.64	-0.65
24	Jace Matkin	103	.278	.353	.467	141	10%	29%	1.9%	1.00	.378	.379	119	-8.13	0.13

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	23-6	.793	23-6	22-7	207	102	+105	198	103	0	+1	-0.15	3.47	99.23	93.74
Wisconsin Rapids	26-5	.839	23-8	19-12	204	113	+91	183	141	+3	+7	-0.59	2.34	93.50	91.13
Willmar	18-12	.600	18-12	20-10	185	147	+38	187	132	0	-2	0.55	1.81	100.24	99.72
Kalamazoo	20-12	.625	21-11	19-13	270	196	+74	234	196	-1	+1	-0.64	1.67	101.26	101.21
Mankato	18-14	.563	17-15	19-13	182	173	+9	195	159	+1	-1	0.33	0.61	96.63	95.50
Eau Claire	17-13	.567	17-13	16-14	147	130	+17	146	139	0	+1	-0.03	0.54	99.14	100.45
La Crosse	15-15	.500	16-14	14-16	195	182	+13	176	198	-1	+1	-0.07	0.36	101.09	102.34
Lakeshore	16-16	.500	17-15	19-13	177	164	+13	187	160	-1	-3	-0.12	0.28	98.03	97.62
Fond du Lac	15-15	.500	15-15	13-17	195	194	+1	181	208	0	+2	0.19	0.23	103.43	102.34
Rockford	15-17	.469	17-15	17-15	191	177	+14	181	176	-2	-2	-0.30	0.14	119.48	121.12
Kenosha	15-17	.469	16-16	15-17	179	180	-1	180	191	-1	0	0.07	0.04	107.70	107.09
Traverse City	15-17	.469	16-16	18-14	176	171	+5	174	159	-1	-3	-0.14	0.02	88.65	86.44
Duluth	16-13	.552	15-14	14-15	178	165	+13	171	185	+1	+2	-0.43	0.01	100.86	101.69
Madison	16-16	.500	16-16	15-17	172	173	-1	162	179	0	+1	-0.09	-0.12	94.95	95.07
Wasau	16-16	.500	15-17	15-17	142	150	-8	143	152	+1	+1	0.10	-0.15	97.54	97.40
Battle Creek	**16-16**	**.500**	**15-17**	**15-17**	**204**	**221**	**-17**	**196**	**209**	**+1**	**+1**	**0.28**	**-0.25**	**92.27**	**94.50**
Rochester	13-17	.433	13-17	13-17	180	206	-26	174	204	0	0	-0.32	-1.18	104.20	105.47
Green Bay	10-22	.313	10-22	11-21	125	193	-68	138	203	0	-1	0.60	-1.53	109.04	111.51
Minnesota	5-10	.333	6-9	5-10	87	113	-26	77	122	-1	0	-0.09	-1.82		
Bismarck	10-20	.333	10-20	10-20	153	217	-64	151	223	0	0	-0.11	-2.24	96.64	98.76
Waterloo	7-23	.233	9-21	11-19	148	227	-79	175	247	-2	-4	0.17	-2.47	104.43	103.44
Kokomo	9-22	.290	8-23	10-21	132	229	-97	140	211	+1	-1	0.65	-2.48	97.12	97.43

*highlighted records would lead division

League Leaders

On-Base Average (wOBA)			Secondary Average (SECA)			Runs Created (wRC+)			Wins Above Average (WAA)		
Ben Ross	WIR	.526	Ryan Guardino	WAT	.635	Ben Ross	WIR	228	Ben Ross	WIR	1.56
Luke Storm	KZO	.492	**Ty Crittenberger**	**RFD**	**.561**	Luke Storm	KZO	194	Garrett Martin	LAK	1.39
Trey Lipsey	KZO	.489	Trey Truitt III	TVC	.525	Ben Vujovich	MIN	193	**Patrick Mills**	**BC**	**1.16**
Ben Vujovich	MIN	.488	Joey Walls	WIL	.500	Brendan Bobo	WIR	192	Sean Ross	MAN	1.13
Matthew Deprey	LAK	.483	Trey Lipsey	KZO	.492	Trey Lipsey	KZO	192	John Nett	STC	1.12

Fielding Ind. Pitching (FIP)			Expected Runs / 9IP (xR9)			Strikeout Rate (K%)			Wins Above Average (WAA)		
Dan Wright	MAD	2.37	**Ty Rybarczyk**	**RFD**	**0.30**	Jake Hamilton	DUL	33%	Jack Habeck	WIL	1.72
David Rodriguez	ROC	2.50	Jack Habeck	WIL	0.75	Brandt Thompson	MIN	33%	**Ty Rybarczyk**	**RFD**	**1.71**
Derek Clark	TVC	2.91	Dan Wright	MAD	1.10	Derek Clark	TVC	31%	Dan Wright	MAD	1.68
Jake Hamilton	DUL	3.01	Derek Clark	TVC	1.34	Eric Chalus	LAK	30%	Derek Clark	TVC	1.35
Eric Chalus	LAK	3.05	Eric Chalus	LAK	1.42	Harrison Kreiling	DUL	30%	Owen Boerema	MAN	1.20

Matrices

Run Expectancy Matrix			
Runners	0 Outs	1 Out	2 Outs
000	0.749	0.306	0.063
100	1.250	0.688	0.192
020	1.371	0.991	0.220
003	1.313	1.552	0.479
120	1.879	1.352	0.748
103	1.929	1.413	0.401
023	2.500	1.882	0.702
123	2.828	1.714	1.305

Run Probability Matrix			
Runners	0 Outs	1 Out	2 Outs
000	34.29%	16.02%	5.49%
100	54.95%	29.76%	13.15%
020	68.32%	49.52%	16.26%
003	75.00%	77.55%	34.78%
120	72.41%	55.24%	31.78%
103	85.71%	60.87%	24.62%
023	90.00%	82.35%	32.84%
123	100.00%	75.00%	50.00%

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	1.2	0.4	0.9	1.0	0.6	0.6	0.7	6.91
BATTLE CREEK	0.6	1.0	0.6	1.0	0.5	1.0	0.6	0.5	0.6	6.38