ADVANCED STATS

July 30, 2022 vs. Madison Mallards

#	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	121	3.26	64	1.45	0.16	0.25
-	Keegan Batka	23.0	.179	.232	11%	28%	2.60	71%	53%	1.57	31	3.64	72	-8.03	0.23	0.53
36	Adam Berghorst	26.0	.240	.261	15%	11%	0.72	65%	50%	2.77	55	5.34	105	-1.67	-0.16	0.22
-	Lucas Bixby	18.1	.304	.313	10%	10%	1.00	50%	52%	6.38	126	4.85	95	3.46	-0.03	0.20
5	Evan Borst	2.0	.000	.000	25%	25%	1.00	100%	50%	0.00	0	5.03	99	-0.68	-0.01	0.01
19	Jackson Braden	36.2	.322	.355	5%	18%	3.44	52%	65%	5.65	111	4.30	85	2.90	0.13	0.62
9	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	30.2	.284	.296	19%	12%	0.63	45%	55%	8.80	173	6.77	133	9.32	-0.60	-0.24
10	Damon Cox	3.1	.273	.273	45%	5%	0.10	38%	36%	18.90	372	12.43	245	2.97	-0.24	-0.20
-	Nick Davies	5.2	.360	.381	34%	7%	0.21	47%	44%	20.65	406	13.73	270	13.72	-0.48	-0.38
25	Justin Graves	40.0	.225	.265	11%	17%	1.61	80%	55%	2.03	40	4.55	90	-19.62	0.04	0.72
-	Dominic Hann	21.1	.301	.316	10%	11%	1.10	67%	59%	4.22	83	4.97	98	-1.99	-0.06	0.26
23	Ben Harris	6.2	.238	.227	21%	9%	0.43	43%	44%	6.75	133	7.18	141	3.22	-0.16	-0.07
31	Gavin Knust	21.1	.280	.338	10%	18%	1.90	68%	43%	2.95	58	4.36	86	-4.75	0.06	0.23
16	Caleb Lanoux	43.1	.271	.349	5%	25%	5.11	68%	65%	2.91	57	2.67	52	-10.37	0.84	1.20
-	Jacob Lycan	11.1	.167	.273	22%	33%	1.50	67%	49%	5.56	109	4.82	95	-2.41	-0.02	0.08
12	Garrett Martin	49.0	.296	.319	5%	18%	3.80	63%	65%	4.22	83	4.48	88	-7.43	0.09	0.97
28	Riley Mertl	3.0	.273	.000	0%	0%	0.00	0%	25%	6.00	118	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	-0.28
-	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	0.13
-	Nathan Ross	17.1	.318	.392	12%	22%	1.90	68%	48%	5.19	102	5.01	99	2.07	-0.06	0.11
17	Brett Sanchez	34.2	.237	.282	5%	22%	4.25	61%	59%	2.60	51	3.94	78	-8.09	0.24	0.75
-	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	-0.35
-	Anthony Tejeda	18.2	.224	.300	14%	26%	1.92	75%	61%	0.96	19	3.65	72	-2.76	0.18	0.33
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	-0.35
-	Julian Vargas	1.1	.625	.444	8%	0%	0.00	18%	58%	40.50	797	18.28	360	4.61	-0.17	-0.15
11	Hank Weiss	22.1	.290	.415	17%	24%	1.45	46%	49%	10.48	206	4.79	94	4.40	-0.03	0.18
-	Robert Whelan	3.2	.167	.182	26%	9%	0.33	50%	57%	12.27	241	11.12	219	1.35	-0.22	-0.18

#	Batting	PA	AVG	OBP	SLG	OPS+	BB%	K%	HR%	wSB	SECA	wOBA	wRC+	RE24	pWAA	WAR
5	Evan Borst	37	.290	.389	.387	124	8%	11%	2.7%	0.28	.323	.389	121	-2.99	0.11	0.23
8	James Canar	119	.175	.316	.227	54	13%	29%	0.0%	0.19	.227	.301	61	-10.43	-0.49	-0.18
29	Aaron Dolney	171	.271	.400	.371	122	18%	23%	0.0%	0.44	.343	.393	124	-0.95	0.51	1.04
7	Isaiah Gibbs	125	.218	.285	.291	64	6%	27%	0.0%	-0.52	.145	.288	52	-14.46	-0.69	-0.39
-	Rafael Gomez Jr.	85	.246	.366	.333	101	9%	27%	0.0%	1.11	.333	.360	101	-3.61	0.11	0.36
21	Joey Grabanski	227	.260	.357	.396	117	12%	24%	1.8%	-0.71	.281	.368	107	4.29	0.14	0.80
14	Billy Hancock	208	.309	.401	.388	128	11%	16%	0.5%	-1.33	.208	.395	126	0.98	0.51	1.15
18	Raymond Hilbrich	14	.400	.571	.500	212	21%	0%	0.0%	0.14	.500	.546	229	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	-0.87	-0.38
24	Jace Matkin	163	.254	.358	.406	121	12%	30%	1.8%	1.02	.362	.371	109	-4.54	0.26	0.75
2	Robbie Merced	176	.212	.295	.325	78	10%	26%	1.1%	-2.14	.252	.304	63	-7.69	-0.87	-0.42
15	Patrick Mills	268	.285	.395	.430	139	13%	18%	0.7%	-0.42	.317	.403	131	13.92	0.90	1.76
-	Bobby Nichols	124	.290	.382	.336	106	11%	19%	0.0%	0.81	.280	.370	108	3.83	0.19	0.56
4	Trevor Patterson	10	.125	.300	.125	18	20%	40%	0.0%	-0.01	.250	.266	37	0.60	-0.07	-0.05
-	Tate Peterson	19	.188	.263	.188	26	5%	16%	0.0%	0.33	.188	.245	23	-1.61	-0.13	-0.09
-	Fisher Pyatt	155	.241	.418	.353	122	20%	23%	1.3%	-0.65	.379	.405	132	3.71	0.52	1.01
1	Charlie Rhee	83	.217	.341	.232	63	13%	12%	0.0%	-0.17	.232	.317	72	-13.02	-0.26	-0.04
3	Brycen Sherwood	72	.200	.389	.236	78	22%	19%	0.0%	-0.33	.345	.356	99	-5.57	-0.02	0.18
-	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	15	.231	.333	.231	60	7%	27%	0.0%	-0.02	.077	.311	68	-0.66	-0.05	-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	46-12	.793	43-15	37-21	393	224	+169	375	279	+3	+9	-0.24	2.67	96.27	93.54
St. Cloud	40-15	.727	39-16	39-16	362	219	+143	353	211	+1	+1	0.05	2.65	102.42	97.66
Willmar	38-16	.704	36-18	35-19	359	242	+117	338	242	+2	+3	-0.28	1.88	99.69	98.13
Traverse City	35-22	.614	35-22	36-21	340	259	+81	319	235	0	-1	-0.50	0.92	90.78	88.36
Wasau	29-28	.509	31-26	31-26	346	319	+27	330	300	-2	-2	0.40	0.87	100.37	99.83
Eau Claire	32-22	.593	29-25	27-27	293	265	+28	294	290	+3	+5	0.17	0.69	93.95	94.71
Fond du Lac	30-27	.526	32-25	28-29	403	355	+48	374	385	-2	+2	-0.26	0.58	103.65	102.32
Mankato	30-24	.556	30-24	34-20	311	278	+33	342	259	0	-4	-0.10	0.51	95.48	94.30
Rockford	29-29	.500	32-26	31-27	363	320	+43	349	321	-3	-2	-0.36	0.38	118.28	119.35
Lakeshore	28-29	.491	29-28	28-29	308	306	+2	316	317	-1	0	0.33	0.37	97.91	97.71
La Crosse	27-27	.500	29-25	24-30	352	325	+27	321	369	-2	+3	-0.23	0.27	106.40	107.27
Kalamazoo	30-27	.526	31-26	30-27	422	385	+37	385	362	-1	0	-0.38	0.27	98.26	98.61
Duluth	28-27	.509	27-28	25-30	306	308	-2	313	340	+1	+3	-0.03	-0.07	101.31	102.21
Kenosha	26-32	.448	29-29	28-30	320	318	+2	327	341	-3	-2	-0.15	-0.12	107.53	106.86
Rochester	24-30	.444	25-29	24-30	350	387	-37	338	387	-1	0	0.15	-0.53	102.39	103.47
Green Bay	23-34	.404	22-35	23-34	276	360	-84	305	374	+1	0	0.50	-0.97	107.05	109.11
Battle Creek	**26-31**	**.456**	**24-33**	**26-31**	**316**	**378**	**-62**	**311**	**346**	**+2**	**0**	**0.07**	**-1.02**	**92.67**	**95.05**
Madison	24-34	.414	23-35	20-38	314	399	-85	299	427	+1	+4	0.20	-1.27	92.25	93.30
Bismarck	19-37	.339	22-34	21-35	319	400	-81	316	420	-3	-2	-0.06	-1.51	95.31	97.12
Waterloo	14-40	.259	17-37	19-35	287	434	-147	314	440	-3	-5	0.24	-2.48	104.68	104.84
Kokomo	16-40	.286	16-40	18-38	252	425	-173	254	385	0	-2	0.42	-2.67	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	.285	Ryan Guardino	WAT	4.52	Ben Ross	WIR	3.5
Sean Ross	MAN	.518	Brendan Bobo	WIR	.261	Camden Traficante	TVC	3.14	Sean Ross	MAN	3.5
John Nett	STC	.484	Joey Walls	WIL	.242	Jack Rogers	DUL	3.07	John Nett	STC	2.9
Hunter Dorraugh	WAU	.475	Ben Ross	WIR	.228	Michael Seegers	LAK	2.87	Ryan Dykstra	KZO	2.6
Ryan Guardino	WAT	.473	Kyle Huckstorf	WAT	.227	Caden Kaiser	LAK	2.78	Brendan Bobo	WIR	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	0.683	0.305	0.092
100	1.176	0.642	0.216
020	1.311	0.963	0.227
003	1.289	1.239	0.460
120	1.782	1.237	0.586
103	1.927	1.398	0.445
023	2.346	1.738	0.668
123	2.584	1.644	1.132

Run Probability Matrix			
Runners	0 Outs	1 Out	2 Outs
000	33.17%	16.43%	6.42%
100	53.67%	29.72%	13.42%
020	68.87%	51.32%	17.54%
003	80.00%	72.09%	34.15%
120	72.66%	51.98%	26.70%
103	86.54%	65.06%	30.56%
023	92.31%	80.00%	35.42%
123	97.87%	71.26%	45.74%

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
MADISON MALLARDS (24-34)	+1.5 (-145)	O 12.5 (-110)	+100
BATTLE CREEK BATTLE JACKS (26-31)	-1.5 (+125)	U 12.5 (-110)	-120