



GATEWAY  
REGENSBURG

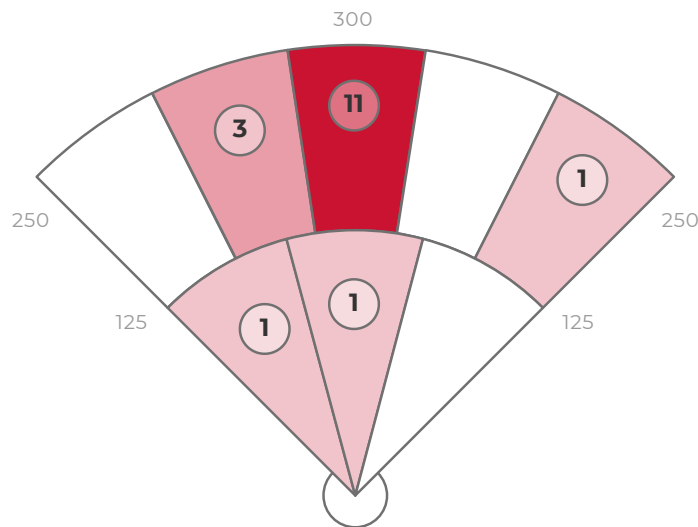
# Mariette

## 29.06.21

DATA

	AVG	MAX	HARD HIT AVG
EXIT VELO	86.6	95.1	91.4
L. ANGLE	19.2	47.9	13.9
DIRECTION	-6.1	36.4	-10.7
DISTANCE	246	350	229
SPIN RATE	1297	2521	1008

BATTING AVG	.353
XWOBA	.464
SLUGGING	.353
HARD HIT %	52.9%
BOMBS %	5.9%
ROPES %	35.3%



ZONE BREAKDOWN

Zone	Volume of Hits	AVG LA	AVG EV	AVG RPM	AVG Distance
PULL	1/17	48	49	1737	135
MIDDLE	14/17	19	88	1333	270
OPPO	2/17	7	94	828	139

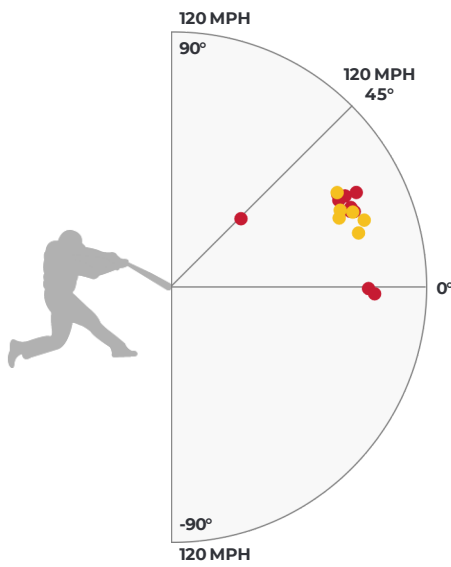
HIT OUTCOME

Single	Double	Triple	Home Run	Field Out
35.3%	0%	0%	0%	64.7%

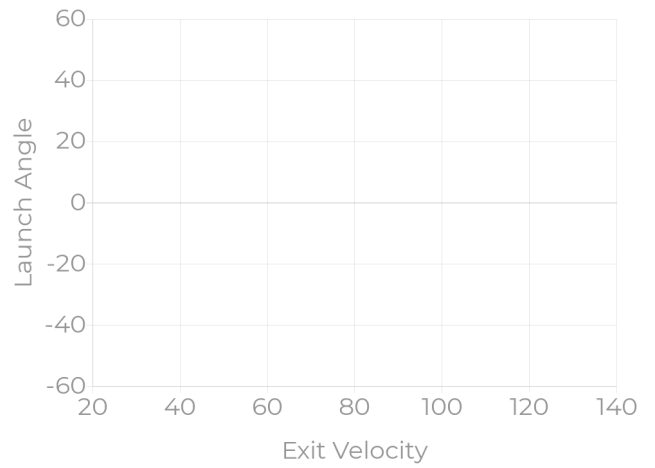
HIT CLASSIFICATIONS

Dribbler	Ground	Low Line	High Line	Fly Ball	Pop Up
0%	0%	0%	0%	0%	0%

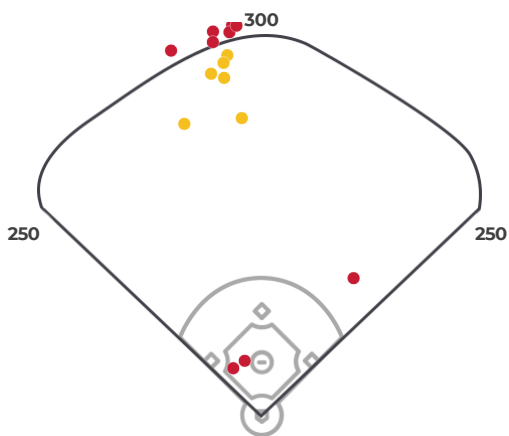
HIT OUTCOME VS LA & EV



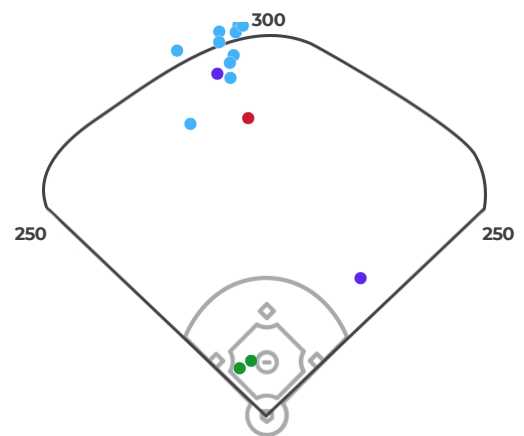
HIT CLASSIFICATIONS VS LA & EV



HIT OUTCOME



HIT CLASSIFICATIONS



**STRIKE ZONE BREAKDOWN**

**LAUNCH ANGLE**

**SPIN RATE**

		25 (1/17)	23 (2/17)	
		19.5 (6/17)	15.5 (2/17)	18 (3/17)
		18 (1/17)		
				18 (1/17)

		2433 (1/17)	1568 (2/17)	
		1396 (6/17)	908 (2/17)	1145 (3/17)
		1391 (1/17)		
				1157 (1/17)

**EXIT VELOCITY**

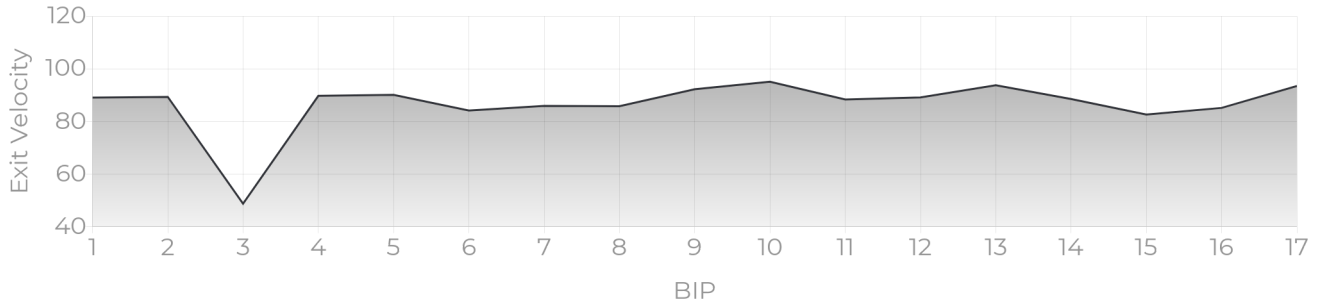
**XWOBA**

		86 (1/17)	86.5 (2/17)	
		87 (6/17)	89 (2/17)	89 (3/17)
		90 (1/17)		
				82 (1/17)

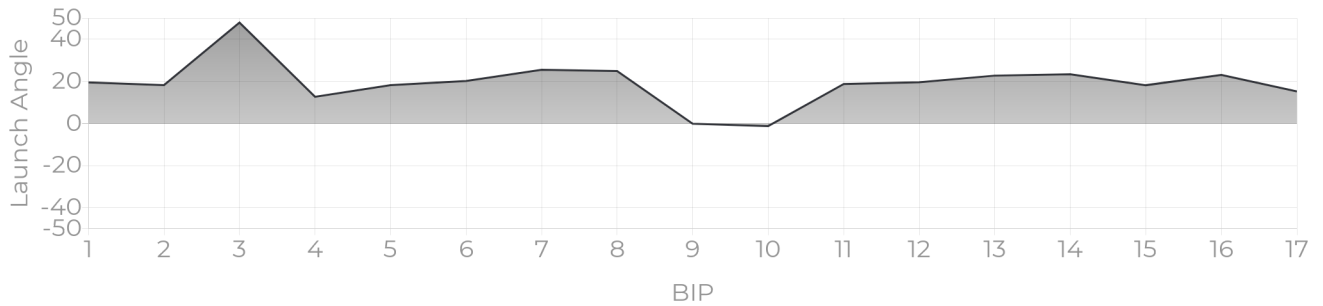
		0.714 (1/17)	0.228 (2/17)	
		0.267 (6/17)	0.603 (2/17)	0.600 (3/17)
		0.387 (1/17)		
				0.839 (1/17)

**PROGRESS REPORTS**

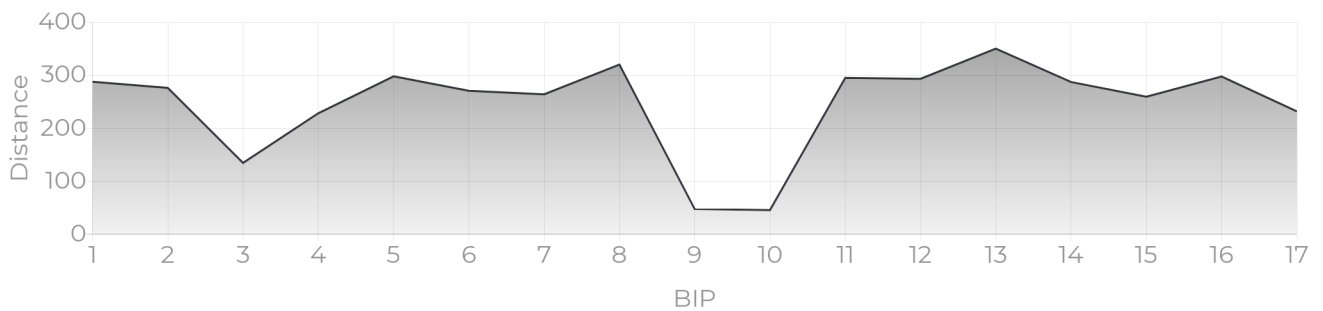
**EV TRACKER**



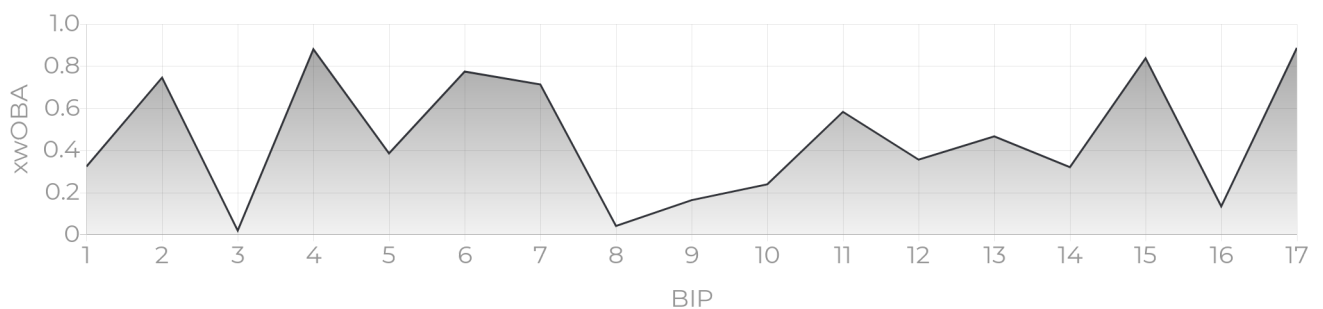
**LA TRACKER**



**DISTANCE TRACKER**



**XWOBA TRACKER**



## XWOBA

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Expected Weighted On Base Average is a term commonly used inside of the MLB taking Launch Angle and Exit Velocity to determine the Expected OBA and often compared to the Actual OBA. This provides a tool for Rapsodo to provide an instant analysis off of each BBE (Batted Ball Event). In the same way that each batted ball is assigned a Hit Classification, every batted ball has been given a single, double, triple and home run probability based on the results of comparable batted balls from MLB data — in terms of similar exit velocity and launch angle.

## BIP (BALLS IN PLAY)

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Any ball hit within a range of -45 to 45 degree Exit Direction.

## HARD HIT %

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Any ball hit within 10% of a player's Max Exit Velo.

## ROPES

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Any Hard Hit Ball (within 10% of a player's Max Exit Velo) and hit between 10 and 20 degree Launch Angle.

## BOMBS

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Any Hard Hit Ball (within 10% of a player's Max Exit Velo) and Hit with a 20+ Launch Angle.

## HIT CLASSIFICATIONS

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**Dribbler:** A batted ball event with less than a 0 degree launch angle

**Ground Ball:** A batted ball event with a launch angle between 0 and 6 degrees

**Low Line Drive:** A batted ball event with a launch angle between 6 and 15 degrees

**High Line Drive:** A batted ball event with a launch angle between 15 and 24 degrees

**Fly Ball:** A batted ball event with a launch angle between 24 and 50 degrees

**Pop Up:** A batted ball event with a launch angle greater than 50 degrees