



2019 FINAL NOTES



1000 PARK AVENUE, ALTOONA, PA 16602 | 814.283.3180 | ALTOONACURVEBASEBALL | ALTOONACURVE | @ALTOONACURVE | ALTOONA_CURVE

EASTERN LEAGUE CHAMPIONS 2010, 2017

DIVISION CHAMPIONS 2004, 2010, 2017, 2018

PLAYOFF APPEARANCES 2003, 2004, 2005, 2006, 2010, 2015, 2016, 2017, 2018

PLAYERS TO MLB 171

2019 E.L. WESTERN STANDINGS

Team	W-L	PCT	GB
Erie	77-61	.558	--
Harrisburg	76-63	.547	1.5
Bowie	76-64	.543	2.0
Altoona	69-71	.493	9.0
Akron	61-79	.436	17.0
Richmond	55-84	.396	22.5

2019 E.L. PLAYOFFS

Bowie defeated Harrisburg, 3-1
Trenton defeated Reading, 3-0
Trenton defeated Bowie, 3-1

2019 E.L. EASTERN STANDINGS

Team	W-L	PCT	GB
Reading	80-59	.576	--
Trenton	76-62	.551	3.5
Hartford	73-66	.525	7.0
Binghamton	67-73	.479	13.5
New Hamp.	63-76	.453	17.0
Portland	62-77	.446	18.0

2019 CURVE AT A GLANCE

Overall Record	69-71
First Half	36-32
Second Half	33-39
Home	39-32
Road	30-39
Place (E.L. Western)	2nd/4th
Games Ahead/Behind	-5.0/-13.0
All-Time Record	1,503-1,459
'19 Home Attendance	308,464
Home Openings	67
Average Attendance	4,604
E.L. Rank	8th

1st Half	W-L	GB	2nd Half	W-L	GB
x-Harrisburg	42-28	--	y-Bowie	46-26	--
Altoona	36-32	5.0	Erie	46-26	--
Akron	34-35	7.5	Harrisburg	34-35	10.5
Erie	31-35	9.0	Altoona	33-39	13.0
Bowie	30-38	11.0	Richmond	32-40	14.0
Richmond	23-44	17.5	Portland	27-44	18.5



1st Half	W-L	GB	2nd Half	W-L	GB
Reading	39-28	--	y-Reading	41-31	--
x-Trenton	38-28	--	Trenton	38-34	3.0
Hartford	37-30	2.0	Hartford	36-36	5.0
Binghamton	35-29	2.5	Portland	35-37	6.0
New Hamp.	31-36	8.0	New Hamp.	32-40	9.0
Portland	27-40	12.0	Binghamton	32-44	11.0

CURVE LEAGUE RANKINGS

Batting	
Average	.241 (T-4th)
Runs	544 (7th)
Hits	1,081 (6th)
Doubles	218 (8th)
Triples	31 (5th)
Home Runs	85 (11th)
RBI	503 (8th)
Total Bases	1,616 (10th)
Base on Balls	387 (12th)
Strikeouts	1,222 (9th)
Stolen Bases	87 (9th)
Caught Stealing	48 (7th)
On-Base Percentage	.308 (7th)
Slugging Percentage	.360 (10th)
OPS	.668 (10th)
Runners in Scoring Position	.252 (5th)

Pitching	
ERA	3.69 (10th)
Starter ERA	3.74 (6th)
Reliever ERA	3.65 (11th)
Wins	69 (7th)
Losses	71 (6th)
Complete Games	6 (1st)
Shutouts	18 (1st)
Saves	37 (6th)
Innings Pitched	1,205.2 (4th)
Hits	1,126 (11th)
Runs	563 (9th)
Earned Runs	494 (10th)
Home Runs	108 (T-10th)
Hit Batters	67 (10th)
Base on Balls	398 (3rd)
Strikeouts	964 (12th)
WHIP	1.26 (8th)
Holds	31 (7th)

Fielding	
Fielding Percentage	.982 (T-1st)
Errors	89 (2nd)
Double Plays	134 (1st)

CURVE IN THE LEAGUE LEADERS

Batting	
Average	Jared Oliva (.277/6th)
	Bligh Madris (.260/T-16th)
	Logan Hill (.258/T-18th)
Home Runs	Hunter Owen (15/T-7th)
	Logan Hill (12/T-20th)
RBIs	Logan Hill (69/T-2nd)
	Bligh Madris (55/T-18th)
Doubles	Logan Hill (27/T-7th)
	Bligh Madris (26/T-9th)
	Jared Oliva (24/T-16th)
Triples	Jared Oliva (6/T-4th)
Extra-base Hits	Logan Hill (42/T-7th)
	Bligh Madris (36/T-18th)
Hits	Jared Oliva (124/5th)
	Bligh Madris (119/7th)
Runs	Jared Oliva (70/T-4th)
	Mitchell Tolman (56/T-19th)
At-Bats	Bligh Madris (457/10th)
	Jared Oliva (447/T-13th)
Total Bases	Jared Oliva (178/T-9th)
	Logan Hill (174/T-15th)
	Bligh Madris (173/T-18th)
Base on Balls	Mitchell Tolman (47/T-18th)
Strikeouts	Logan Hill (120/T-12th)
Stolen Bases	Jared Oliva (36/2nd)
Caught Stealing	Jared Oliva (10/T-7th)
On-base Percentage	Jared Oliva (.352/8th)
	Mitchell Tolman (.340/15th)
	Logan Hill (.332/T-20th)
Slugging Percentage	Logan Hill (.428/8th)
OPS	Logan Hill (.760/7th)
	Jared Oliva (.750/8th)

Pitching	
ERA	Pedro Vasquez (2.71/4th)
Wins	James Marvel (9/8th)
	Pedro Vasquez/Beau Sulser (8/T-11th)
Games	Matt Eckelman (45/T-5th)
	Angel German (39/18th)
Games Started	Pedro Vasquez (23/T-15th)
Complete Games	Domingo Robles (3/1st)
Shutouts	Domingo Robles (2/T-1st)
Saves	Matt Eckelman (23/2nd)
Holds	Angel German (8/T-9th)
WHIP	Pedro Vasquez (1.11/T-6th)

THE 21ST SEASON OF CURVE BASEBALL: The Curve finished with a losing record and missed the playoffs for the first time since 2014. Altoona qualified for the Eastern League postseason in each of the previous four seasons, which matched the longest streak in franchise history. The Curve tied a franchise record with five straight wins to start the season and started the year 6-2 before a six-game losing streak. The club rebounded to finish April at 12-12 and stood 22-20 at the start of a long road trip to New Hampshire, Portland and Trenton. On that trip from May 21-30, the club went 2-7 and eventually fell to a season-low five games under .500 (24-29) after a loss at home on June 2. The team then surged for five weeks with a 25-10 roll from June 3-July 13, including wins in 7 of 8 entering the All-Star Break for the second-best record in the league over that period and climbed to a season-best 10 games over (.49-.39). However, Altoona went 21-33 after the break, the second-worst record on the circuit. Four straight wins over Akron in the final home series of the season pushed the club two games over .500 heading into the final series of the season at Harrisburg, but the Curve lost all four contests.

SPLIT WHILE YOU'RE AHEAD: For the first time since joining the Eastern League in 1999, the Curve experienced a split-season playoff format. The last time the E.L. used the split season for playoff qualification was in 1982 at the end of a five-year run from 1978-82. The league also implemented a split-season during the 1934-35, 1958 and 1975 seasons. The First Half ended on June 18 with Harrisburg five games better than the Curve in the Western Division while the Eastern Division ended in a tie between Reading and Trenton. Trenton had the better intra-division record and was awarded the tie-breaker due to zero games against Reading in the half. The same situation occurred in the Western Division Second Half standings when Bowie and Erie finished tied without playing a game from June 19-September 2. Bowie had the better intra-division record to reach the playoffs while Reading ultimately beat out Trenton in the Eastern Division.

YEAR OF THE PITCHER: Eastern League pitchers handcuffed hitters to a .238 league-wide batting average, the lowest since 1971 when the league average was .234. Since the E.L. became a Double-A circuit in 1963, the league average has finished under .240 just six times: 2019 (.238), 1971 (.234), 1968 (.219), 1967 (.228), 1966 (.234) and 1965 (.236). The league's batting champion, Portland's C.J. Chatham, finished with a .297 batting average and is just the second batting champ in E.L. history to finish under .300 (.294, Tony Torchia in 1968). Eight no-hitters were thrown in 2019, including two against the Curve on April 29 at PNG Field by Erie's Casey Mize and August 1 by Brian Keller of Trenton at ARM & HAMMER Park, which was the most hitless efforts in the E.L. since a league-record nine were thrown in 1967. Teams were held to 3.92 runs per game making it the first season below 4.0 runs per game since 1990. Strikeouts also spiked to 8.7 SO/9 IP, the highest ratio in league history going back to the earliest data available in 1965. Despite the increased number of strikeouts by the league as a whole, the Curve's 964 punch outs were the fewest among full-season teams in Minor League Baseball.

RYAN'S REIGN: Indiana, Pa. native Michael Ryan returned for a third season and became the winningest manager in Curve history with his 214th victory on August 18 over Bowie. Ryan finished the season with a 221-197 record as Altoona's manager and was the fastest to reach the 200-win milestone in his 365th game on July 12 in Erie. After three seasons guiding the Curve, Ryan's .529 winning percentage finished third-highest in team history. During his seven-year managerial career in the Pirates developmental system, Ryan went 501-466 while leading his teams to the playoffs four times, went 13-6 in playoff games and captured the 2016 Florida State League Championship with A-Adv. Bradenton and 2017 Eastern League Championship with the Curve.

HEROES OF THE ZEROES: Curve pitchers set a team record with 18 shutouts in 2019, which also led the Eastern League. The club tossed back-to-back scoreless games on three occasions and pitched eight shutouts over the last 25 games of the season. The club witnessed individual nine-inning, complete-game shutouts from Sean Brady on August 23 at Bowie and Domingo Robles August 26 versus Akron that tied and surpassed the previous team record of 16 scoreless games pitched by the 2015 Curve. Brady and Robles' performances are the first multiple nine-inning, individual shutouts to be pitched by the Curve in the same season since Tom Gorzelanny threw two in 2005. James Marvel and Robles also threw seven-inning, complete-game shutouts to total four individual shutouts over the course of the season, matching the 2000 season for the most in team history. Robles stands with Gorzelanny (2), Stephen Sparks (2) and Ian Snell (3) as the only pitchers in club history with multiple complete-game shutouts in their Curve careers.

ALL-AROUND OLIVA: Jared Oliva was one of the Eastern League's steadiest performers in 2019. He was honored as an End-of-Season All-Star and the 2019 Altoona Curve Most Valuable Player. After batting .188 through his first 40 games, Oliva surged from June 3 through the end of the season to hit .277 and finished sixth in the league's batting race. From June 3 until the end of the year, Oliva led the E.L. with a .320 (97/303) batting average over 82 games with league-highs in on-base percentage (.387) and hits (97). He also led the league in hitting during the Second Half (.325) and finished with the fourth-highest batting average after the All-Star Break (.301). From a defensive standpoint, Oliva's 114 games in the outfield and 291 total chances were each the most in Minor League Baseball by an outfielder that did not commit an error.

SUMMER CATCH: Curve catchers Arden Pabst and Jason Delay appeared behind the plate in all 140 games in 2019. Pirates catcher Francisco Cervelli caught seven innings on August 11 during a Major League Rehab Assignment before Delay caught the final two innings of the game at PNG Field. Altoona was one of just four teams in Minor League Baseball to play the entire season with the same catching tandem while A-Adv. Wilmington (Royals), Class A Clinton (Marlins) and Class A Greensboro (Pirates) also had one of their two catchers behind the plate in every game.

GLOVE TRAIN: For the second straight season and third time in the last four years, the Curve led the Eastern League in fielding percentage at .982. The club also led the circuit with 134 double plays, the second-most at the Double-A level.

SHINING STARS: The Curve sent three players to the Eastern League All-Star Game in Richmond on July 10: right-handed pitchers Pedro Vasquez and Beau Sulser joining catcher Jason Delay. Sulser was selected to join the Western Division roster after James Marvel was promoted to Triple-A Indianapolis after he was originally selected as a mid-season all-star.

AWARDS SEASON: The Curve's season awards were announced on August 29 before the team's final home game of the season. Awards were presented to Jared Oliva (Most Valuable Player), Pedro Vasquez (Co-Pitcher of the Year), Beau Sulser (Co-Pitcher of the Year), Matt Eckelman (Fireman of the Year) and Brett Pope (Unsung Hero of the Year).

PROSPECT WATCH: The 2019 Curve roster featured six of MLB.com's Preseason Top 30 Pirates prospects: Oneil Cruz (No. 4), Jared Oliva (No. 12), Clay Holmes (No. 23), Stephen Alemis (No. 26), Cody Bolton (No. 27) and Gage Hinsz (No. 30), and also featured seven of Baseball America's Preseason Top 30 Pirates prospects: Cruz (No. 3), Holmes (No. 17), Oliva (No. 19), Bolton (No. 21), Alemis (No. 26), Hinsz (No. 28) and Dario Agrazal (No. 29). Hinsz broke camp with the team but spent the entire season on the injured list while Holmes appeared in two games on MLB rehab. This year's Curve team had four of MLB.com's Top 30 prospects at the end of the season rankings, including: Cruz (No. 3), Oliva (No. 11), Bolton (No. 13) and Blake Cederlind (No. 28). Cruz started the year ranked by Baseball America as their No. 79 overall prospect while MLB.com ranked him at No. 96 overall and boosted him up to No. 58 at the end of the season.

ROAD TO THE SHOW: 13 former Curve players made their MLB debuts during the 2019 season, including nine with the Pirates. The list included: Connor Joe (2017 Curve) on March 28 for the Giants, Jason Martin (2018 Curve) on April 6 for the Pirates, Cole Tucker (2017-18 Curve) on April 20 for the Pirates, Bryan Reynolds (2018 Curve) for the Pirates on April 20, Taylor Hearn (2018 Curve) for the Rangers on April 25, Montana DuRapau (2015-18 Curve) for the Pirates on May 9, Harold Ramirez (2016 Curve) for the Marlins on May 11, Geoff Hartlieb (2018 Curve) on May 18 for the Pirates, Josh Smith (2015-15 Curve) on May 25 for the Indians, Mitch Keller (2017 Curve) for the Pirates on May 27, Dario Agrazal (2017-19 Curve) for the Pirates on June 15, Luis Escobar (2018 Curve) on July 13 for the Pirates and James Marvel (2018-19 Curve) for the Pirates on September 8.

ROSTER RUNDOWN: The Curve roster featured 53 players and 103 transactions were made. Nine players spent the entire season on the Double-A roster: Jason Delay, Yeady Garcia, Angel German, Bralin Jackson, Bligh Madris, Jared Oliva, Arden Pabst, Brett Pope and Jerrick Sulter. 23 players got their first Double-A experience while 25 others were returning Curve players, including Clay Holmes and Francisco Cervelli on MLB Rehab Assignments. Aside from two rehabbers, four players with prior MLB experience spent time with Altoona in 2019: Vicente Campos, Tom Koehler, Gift Ngoepe and Darnell Sweeney. The average age of the club was 24.2 with Oneil Cruz (20) as the youngest and Cervelli (33) the oldest.

EVERYBODY LOVES CURVE BASEBALL: Peoples Natural Gas Field welcomed 308,464 fans over 67 dates in 2019, the highest total attendance since 2008 (346,973). The 2019 season also broke the 300,000-fan barrier for the first time since 2015 (302,761). With an average attendance of 4,604, the Curve saw an uptick at the turnstiles for the third consecutive season. On July 4, 8,806 fans saw the Curve beat the Erie SeaWolves in walk-off fashion and accounted for the ninth-largest regular-season attendance total in the franchise history. Three total dates exceeded 8,000 fans (8,074 on May 8, 8,806 on July 4 and 8,656 on August 11) while two other games had crowds larger than 7,000 (7,013 on August 17 and 7,038 on August 29).

2019 MONTHLY NOTES

APRIL

OPENING DAY ROSTER: Altoona's Opening Day roster included 14 players that spent time with the Curve in 2018 while 17 players had prior Double-A experience. Five players (**Dario Agrazal, Jake Brentz, Yeudy Garcia, Logan Hill and Tate Scioneaux**) were on the roster to start the year for a second consecutive season. Seven members of the club opened the season with the Curve for their first Double-A experience. There are 13 pitchers and 12 position players on the team. 19 of the 25 players were originally drafted or signed by the Pirates.

OPENING DAY NOTES: The Curve started the campaign against Akron for just the third time in Altoona's 21-year history and for the second straight season. With a 5-0 win at Canal Park, the Curve improved to 10-11 in season openers to extend a franchise-record winning streak on Opening Day to three.

OPENING DAY STARTER: Right-hander **James Marvel** was chosen as the Opening Day starter, the second time he had taken the ball in a season opener for his club. His performance on April 4 at Akron set the tone for a the 2019 Pittsburgh Pirates Minor League Pitcher of the Year. Marvel's six one-hit, shutout innings with nine strikeouts and zero walks was the best in franchise history, matching Opening Day team records with the most innings pitched, fewest hits allowed and most strikeouts. He also earned the winning decision, just the fifth Opening Day starter for Altoona to do so.

SWEEP VICTORY: Altoona swept their season-opening series in Akron, winning the four games by a combined score of 17-8. It marked the first four-game sweep in Akron in franchise history.

THE STREAK: The Curve extended their winning streak to five games with a 6-3 victory in Erie to start their second series of the year. The club's 5-0 start tied a franchise record for the most consecutive wins to begin a season, which was accomplished by the 2006 Curve. The five-game winning streak was Altoona's longest of the entire season and ended in a 4-3 defeat in the team's sixth game. They would lose the finale of their first road trip before coming home with a 5-2 record.

HOME SWEET HOME (OPENER): Peoples Natural Gas Field opened with a Curve victory and extended the team's winning streak in home openers to three, all against the Akron RubberDucks. Over the franchise's 21-year history, the Curve are 16-5 in their first home game of the season and have won eight of their last 10 openers dating back to the 2010 season. The Curve and RubberDucks were tied, 1-1, through nine innings and the game lasted 12 frames. The hero was **Bligh Madris**, who sent the first Altoona crowd of the season home with a walk-off single that lifted the Curve to a 3-2 win.

BACK TO EARTH: After a record-tying 5-0 start to the season, the Curve lost eight of their next nine games and six straight contests from April 13-18. The team was outscored 44-21 over that nine-game stretch that also saw the team lose five of their first six home games.

OWEN'S OPEN: Third baseman **Hunter Owen** had one of the strongest April's in franchise history. His seven home runs and 20 RBIs were each the most by a Curve player through the first month of the season since Brad Eldred hammered 10 home runs and knocked in 22 RBIs in April 2005. The rest of the Curve hit a total of five homers compared to Owen's seven, which was second-most in the league. He was also named Eastern League Player of the Week for April 22-28 when he led the league with three homers, seven runs scored and seven extra-base hits while he batted .417 (10/24).

AN A-MIZE-ING DEBUT: The first overall draft pick in the 2018 draft by the Detroit Tigers, Casey Mize, was called up to Double-A Erie and made his debut on April 29 at PNG Field. The right-hander from Springville, Ala. threw a nine-inning no-hitter against the Curve on 98 pitches with seven strikeouts and one walk. Mize hit his first batter of the game before he rolled up a double play three pitches later. He faced the minimum until he walked **Bligh Madris** with two outs in the seventh inning and retired each of his last seven batters. Mize's dominant performance was the first individual, nine-inning no-hitter ever pitched at PNG Field.

WHY WALK WHEN YOU CAN DRIVE: Outfielder Bligh Madris had 91 plate appearances and led the Eastern League with 29 hits over his first 21 games through April 28. He batted .326 over that period and did not draw a single walk. He had the most plate appearances without a walk at the time of his first free pass on April 29 and drew at least one walk in each of his next six games.

APRIL RECAP: The Curve finished 12-12 over the first month of the year, marking the ninth time in team history of a .500 record or better heading into May. Altoona stood in second place in the Western Division standings, 8.5 games behind Harrisburg (21-4 record in April). The offense ranked fourth in the league with a .239 batting average, hit 13 home runs for a sixth-place tie and scored the seventh-most runs (86) over the course of the month. The pitching staff ranked fourth in the league with a 3.13 ERA with a league-high five shutouts. Curve pitchers also struck out the fewest hitters in Minor League Baseball and also issued the fewest walks (54 in 207 innings) across the Minors during the first month.

MAY

NOT SO HOME SWEET HOME: Altoona was not a pleasant place to play for the Curve early in the year. The team went 5-10 and was outscored 72-49 in their first 15 home games and went 1-4 over the first five series. The Bowie Baysox made their first visit to Altoona on May 6-8 and took 2 of 3 by a combined score of 24-10, a series that kick-started Bowie's run to the Eastern League Championship Series. Altoona rebounded to win their last two home series in May and went on to a 34-22 record at home the rest of the season.

DELAY DOING DAMAGE: Catcher **Jason Delay** caught fire near the end of April and rode that momentum through the month of May. From April 23 through May 19, Delay batted .489 (23/47) and hit safely in 11 of 13 games, collected six multi-hit games, socked four home runs and delivered 16 RBIs. Over 16 games in May, he batted .339 (20/59) with four homers and 16 RBIs in 16 games.

LOGAN'S RUN: Outfielder **Logan Hill** compiled a 16-game on-base streak, the Curve's second-longest of the season, from May 2-19. Over that period, Hill reached base at a .478 percentage, the third-highest rate in the league, while he batted .407 (24/59), the second-best average in the league over that period. Hill also added 15 RBIs in those 16 games.

BIG COMEBACK IN BINGO: On May 15 in Binghamton, the Curve trailed 6-2 for most of the ballgame. However, Logan Hill and Hunter Owen each clubbed solo homers in the sixth inning before RBIs knocks by Mitchell Tolman and Hill put Altoona on top, 7-6, in the seventh. The Curve scored twice on a sacrifice fly from Jerrick Suiter in the ninth to open up a 9-6 lead, which turned out to be crucial after a two-run rally by the Rumble Ponies fell short in the ninth. That victory was the start of wins in 4 of 5 for the Curve and moved to within seven games of first before their longest road trip of the season.

OFF THE RAILS: Altoona's annual journey to New Hampshire and Portland included a stop in Trenton before the return home. The trek was scheduled to be a 10-game road trip from May 21-30 but was trimmed down to nine after rain impacted all three days in Trenton to end the trip. The Curve went 2-7 and lost the first five games on the trip. In Manchester, the Fisher Cats outscored the Curve 14-3 in a three-game sweep. In Portland, the Curve busted their five-game losing streak with a 7-2 win but Portland took the finale on Memorial Day when Tate Matheny hit a walk-off grand slam to lift the Sea Dogs to a 7-3 win. One game was finished in Trenton, a 5-6 loss to open the series, before a rain out forced a double-header on May 30. The game was suspended until July 30 with the Curve leading 6-0, which was the eventual final score.

MAY RECAP: The Curve went 12-16 in May, the first month that Altoona had a losing record since June 2017 and the first losing record in May since 2014. The club was 9.5 games behind first-place Harrisburg in the Western Division and tumbled to five games under .500 for the first time since 2016. Altoona's pitching staff turned in a 4.78 ERA, the highest in the Eastern League and ranked second-worst in the league with a 4.01 ERA at that point in the season. Offensively, the team hit .242, fifth in the E.L., with 17 homers, the fewest in the league. Through two month, the Curve offense had hit the fewest homers (30) and ranked fifth with a .241 average.

SINGLE-SEASON TEAM RECORDS

RECORD	NEW RECORD	PREVIOUS RECORD
Batting		
Lowest Batting Average	.241	.252 (2013)
Fewest Hits	1,081	1,142 (2018)
Most Strikeouts	1,222	1,155 (2014)
Pitching		
Most Shutouts	18	16 (2015)
General		
Most Consecutive Wins to Begin a Season	5 (4/4-4/8)	2x, last - 4/6-10/2006

SINGLE-GAME TEAM RECORDS

RECORD	NEW RECORD	PREVIOUS RECORD
Batting		
Most Strikeouts, 9-inning game	18, 7/12 @ ERI	17, 5/2/13 vs. AKR
Pitching		
Most Runs allowed, inning	11, 8/31 @ HBG	N/A

TOP-5 CAREER HIGHS

CATEGORY	TOTAL	PLAYER	RANK
Batting			
RBI	150	Logan Hill (2017-19)	5th
Strikeouts	273	Logan Hill (2017-19)	5th
Pitching			
Complete Games	3	Domingo Robles	T-4th
Shutouts	2	Domingo Robles	T-2nd
Saves	34	Matt Eckelman	2nd
Strikeouts	235	Brandon Waddell	T-5th

SINGLE-SEASON INDIVIDUAL RECORDS

RECORD	NEW RECORD	PREVIOUS RECORD
Fielding		
Highest % (OF)	1.000, Jared Oliva	1.000, Darren Burton (2000)
Pitching		
Most Shutouts	2, Domingo Robles	2, 3x, last - Ian Snell (2004)
Most Wins, Month	5, James Marvel (June)	5, 4x, last - A.J. Morris (May 2014)

SINGLE-GAME INDIVIDUAL RECORDS

RECORD	NEW RECORD	PREVIOUS RECORD
Batting		
Most Triples	2, Jared Oliva, 7/17 vs. TRN	2, many times, last - Elvis Escobar, 6/20/17 vs. TRN
Most Home Runs	2, Jason Delay, 8/21 vs. HFD (tie) 2, Chris Sharpe, 8/13 @ HBG (tie)	2, many times, last - Jordan George, 8/4/18 vs. AKR
Pitching		
Most Shutouts	2, Domingo Robles	2, 3x, last - Ian Snell (2004)

TOP-5 SEASON HIGHS

CATEGORY	TOTAL	PLAYER	RANK
Batting			
Stolen Bases	36	Jared Oliva	4th
Pitching			
ERA	2.23	Cam Vieaux	5th
Complete Games	3	Domingo Robles	T-2nd
Shutouts	2	Domingo Robles	T-1st
Saves	23	Matt Eckelman	4th
Losses	11	Sean Brady	T-3rd

2019 MONTHLY NOTES

JUNE

BACK ON TRACK: After a tough month of May, June started with a bang. Altoona trailed, 3-2, at home in the bottom of the ninth inning. **Logan Hill** led off with a single to right and was lifted for **Bralin Jackson** to pinch run. Two pitches later, **Hunter Owen** sent a two-run homer into the left field seats for a walk-off, 4-3 victory. The walk-off blast was Altoona's lone walk-off homer of 2019, the first of Owen's career and his third walk-off hit. It was the first time since Bryan Reynolds' three-run, walk-off homer on July 26, 2018 that Altoona won on a walk-off home run with the team trailing when the game-winner was hit.

THE TURNING POINT: A late-inning comeback on June 3 at Erie propelled the Curve over the next five weeks. The SeaWolves led 4-1 after six innings and 8-3 after seven. Altoona scratched out a run in the eighth to pull the Curve within four. The first three hitters in the top of the ninth reached base and Logan Hill brought in the one on an RBI groundout. Two pitches later and two days removed from his late-inning heroics in Altoona, **Hunter Owen** tied the game on a three-run homer to left-center. Bligh Madris yanked the next pitch over the right field fence to put the Curve ahead, 9-8, in the blink of an eye. **Angel German** pitched a 1-2-3 bottom of the ninth to cap off one of the biggest comeback wins of the season.

SPLITS-VILLE: For the first time in franchise history, the Curve's record reset to 0-0 after the conclusion of the First Half on June 18. Altoona won 11 of their last 14 games and pulled within 5.5 games of Harrisburg, who won the First Half to snap a five-year playoff drought.

BOUNTY HUNTER: **Hunter Owen** was one of the most lethal hitters in the league during the First Half before he was promoted to Triple-A Indianapolis on June 20. Upon his call up to Triple-A, Owen led the Eastern League with a .295 batting average, 15 homers, 45 runs, 70 hits, .565 slugging percentage and .934 OPS while he ranked fifth in on-base percentage at .367 and third with 44 RBIs. Owen reached 15 homers in 64 games, just one game shy of **Jordan Luplow's** historic 63-game pace in 2017. **Josh Bonifay** reached the 15-homer mark in 2005 in just 55 games but he did not debut until April 18 and homered for the 15th time on July 3.

PITCHING THE LIGHTS OUT: Right-handed starting pitchers **James Marvel** and **Pedro Vasquez** were two of the Eastern League's best pitchers over each of their five June starts. Marvel paced the league with a 5-0 record and tied a franchise record for the most winning decisions in a month. His name is now next to Wilson Guzman (June 2000), Sam McConnell (June 2000) and A.J. Morris (May 2014) in the Curve Record Book. Marvel also led the league with 38 strikeouts in June and held a 2.21 ERA. As for Vasquez, he paced the circuit with a 0.87 ERA and 0.74 WHIP while he went 3-0 with 30 strikeouts and just three walks over 31 innings.

REINFORCEMENTS: A pair of Florida State League All-Stars with A-Adv. Bradenton joined the Curve in mid-June and quickly became staples in the lineup. Infielder **Robbie Glendinning** was brought up to stay on June 13 and drove in 18 RBIs in his first 18 games, the fourth-most in the Eastern League. Glendinning totalled 27 RBIs in 49 games from June 14-August 7, ninth-most in the league before he missed the remainder of the season with a sprained ankle. Outfielder **Chris Sharpe** debuted with the Curve on June 21 and ranked among the league leaders through the rest of the season: second in runs scored (44), fifth in home runs (11) and fourth in RBIs (38).

JUNE RECAP: The Curve went 19-9 in June, which only trailed Bowie's 20-7 mark for the best Eastern League record in June. The Curve won 7 of 8 series and reached 19 wins in a single month for the eighth time in club history. Altoona led the league in pitching with a 2.78 ERA and pulled their season-long mark down to 3.57, seventh in the league, after the Curve staff ranked last in the E.L. with a 4.122 ERA entering play on May 16. The Curve bats ranked third in the league in hitting at .255 with the second-most runs scored (111) and hit a season-high 21 homers in June after just 30 were hit over the first two months of the season.

JULY

CHANGING THE NARRATIVE: Altoona clinched the season series over Akron after they took 2 of 3 in a tense, competitive series at Canal Park from July 1-3. The Curve finished 6-1 at Canal Park in 2019 for the best record by the Curve in Akron in team history and just the fourth time they compiled a winning record in the ballpark, which held Altoona to a .396 winning percentage from 1999-2018.

INDEPENDENCE DAY: The Curve hosted their third straight game on July 4 at Peoples Natural Gas Field and 8,806 fans saw the Curve beat the Erie SeaWolves, 6-5, on a walk-off double by **Robbie Glendinning** in the 10th inning. Altoona's franchise improved to 9-12 on Independence Day and 7-8 in those games played in front of their home crowd. Glendinning's walk-off was the first in franchise history to occur on the Fourth of July.

COMIN' IN HOT: Altoona was the Eastern League's hottest team entering the All-Star Break. From June 3 until the July 8-10 stoppage of play, went 23-9 thanks to the best team ERA in the league (2.84) over that period. In the standings, the Curve pulled within 2.5 games behind Bowie at the top of the Second Half standings but held the best overall record in the Western Division at 48-38.

THE SCORE IS WHAT MATTERS: The Curve won two games against the Erie SeaWolves on each side of the All-Star Break in which they struck out 35 times. On the final day before the Eastern League All-Star Break on July 7, the Curve were held to two hits, both from **Bligh Madris**, and struck out 17 times by SeaWolves pitchers. Despite tying a team record for the most offensive strikeouts in a nine-inning game, Altoona defeated Erie by a 3-2 score. In the second game back from the All-Star Break at Erie's UPMC Park, the Curve set a new record for strikeouts in a nine-inning game when Tarik Skubal, Nolan Blackwood and Trent Szkutnik fanned 18 Altoona hitters. The only score in the contest was a solo home run by **Logan Hill** in the fourth inning to give the Curve the victory.

TOLMAN AT THE TOP: After a lineup shuffle found **Mitchell Tolman** at the top of Altoona's lineup to start the Second Half, the second baseman was an on-base machine for several weeks. He reached base in 17 straight games, the longest on-base streak by a Curve hitter in 2019, from June 24-July 15. He was getting on base at a .429 clip, the third-highest rate in the Eastern League over that period.

ECK'S GON GIVE IT TO YA: Right-handed closer **Matt Eckelman** climbed up the career saves list throughout the season, including a couple of milestones in July. He became the second Curve pitcher to reach 30 career saves with Altoona on July 28 versus Richmond. It was his second attempt at No. 30 after he blew his only save of the season the night before on July 27. Eckelman set a franchise record with 26 successful save attempts from August 3, 2018 through July 17, 2019.

AN EARLY FALL: After the All-Star Break, the Curve did win another series for the remainder of July and lost 15 of 21. The skid reached a few games into August as the Curve went 7-18, the worst record in the Eastern League, from July 11-August 3. After the club's loss on August 3 at Reading, the Curve stood below .500 for the first time since June 8.

CRUZ CONTROL: Shortstop **Oneil Cruz** was promoted to Double-A Altoona and joined the Curve on July 30. Altoona picked up a May 30 suspended game that day in Trenton and Cruz made his Double-A debut when he was inserted into the lineup to replace the promoted Hunter Owen. The 6-foot-6, 20-year-old infielder became the tallest position player to ever play for the Curve and the 11th player to debut with Altoona at age 20 or younger. Cruz was ranked by Baseball America and MLB.com as Pittsburgh's No. 3 prospect and was the highest-ranked player to suit up for the Curve in 2019.

JULY RECAP: After a strong 7-2 start, the Curve closed the month of July with a record of 11-16. It became the first losing July for Altoona since 2011 and the third all-time. The team fell to fourth place and 11 games back in the Second Half standings with a 10-game gap between second-place Erie and third-place Harrisburg. Curve pitchers held a 3.91 ERA and ranked eighth with a 3.66 ERA overall. The offense scored the third-fewest runs (101) and also had the third-lowest batting average of .235 in July. For the season, Altoona ranked tied for last in the league in homers through July but ranked fifth in overall batting average at .243.

AUGUST/SEPTEMBER

SHUTOUT FEVER: Altoona pitchers teamed up on eight shutouts in August, which tied or bettered nine full seasons in team history. They did not pitch their first shutout of the month until August 8 and went on to lock up eight of their final 11 victories due to scoreless efforts by the pitching staff.

ROBLES ENDS ON A ROLL: Left-handed starter **Domingo Robles** dominated over his last five starts of the season from August 9-31. In those five starts, he threw two scoreless starts, each of which resulted in shutout victories, and held opponents to one run or less four times. He carried a 1.59 ERA (6 ER/34 IP), third-lowest in the Eastern League over that stretch, struck out 27 and had a 2-1 record. The highlight of his August run was a nine-inning, complete-game shutout on August 26 versus Akron, his second individual shutout of the season that set a new single-season franchise record for team shutouts. Robles was named Eastern League Pitcher of the Week for the final week of the season (August 26-September 2) after a 0.64 ERA that included his complete-game effort.

ZEROES FOR VIEAUX: Left-hander **Cam Vieaux** held the Eastern League's best ERA after he was brought back to Altoona to close the season. He allowed three runs in his final 26.1 innings for a 1.03 ERA over four starts. All three runs scored on August 24 at Bowie when Carlos Perez hit a three-run homer that broke up a no-hit bid with two outs. Vieaux pitched 20.1 scoreless Double-A innings from May 22-August 24 and 24.1 straight innings without a run allowed between Triple-A Indianapolis and Double-A Altoona from July 31-August 24. Vieaux started Altoona's home opener and the home finale on August 29, where he set a new career-high with 7.1 innings pitched and struck out 10 batters for the second time in 2019. He was able to lower his ERA to 2.23 and stands as the fifth-lowest, single-season ERA in franchise history.

CHANGING THE NARRATIVE, CONTINUED: The Curve closed out the season series with Akron in the same fashion in which it began: a four-game sweep. Altoona finished 14-4 against the RubberDucks, the second-best finish in the season series against the Akron franchise. The Curve went 36-24 against Akron during the 2017-19 seasons.

KING OF THE HILL: **Logan Hill** finished second on the club with 12 homers, one of three players to reach double figures in the home run department. Half of his homers were during a strong month of August to go with 22 of his 69 RBIs. Hill's 69 RBIs finished second in the league while he ranked seventh with a team-best 27 doubles and 42 extra-base hits. He also ranked seventh with a .760 OPS and eighth with a .428 slugging percentage. He was named Eastern League Player of the Week for August 12-18 by leading the league with three homers, nine RBIs, a .958 slugging percentage and 1.438 OPS while hitting .458 (11/24) over six games. Hill entered the season with the most home runs by any Pirates minor leaguer since 2017 and currently ranks tied for third with 49 blasts over the last three seasons, trailing only Mason Martin (60) and Hunter Owen (50).

POPE'S PROGRESS: **Brett Pope** was the 2019 Altoona Curve Unsung Hero of the Year as one of the most improved players on the team. The 23-year-old played in just 116 career games before he made the Double-A club out of spring training and he batted .169 over his first 30 games. Over his last 70 games after May 25, he raised his batting average to .252 by batting .286 (57/199) with 12 doubles, one triple, two homers and 18 walks for a .356 on-base percentage. After Pope batted .291 through the month of June, he hit a season-best .316 (24/76) with two homers in August and batted .296 (32/108) over his final 36 games since July 22.

JEKYLL AND HYDE: The Curve were really tough to beat at home over the last month of the season but were not the same on the road. Altoona went 12-5 and won 4 of 5 series at PNG Field. On the road, however, the club went 3-15 in August and September.

AUGUST/SEPTEMBER RECAP: Altoona closed the season 15-18 over their last 33 games. The Curve traveled to Harrisburg with a 69-67 record and needed just one win to clinch a .500 record, but they were swept over the final four games of the season by a combined score of 22-8. The Curve did not score a run in the two games in September. Altoona ranked 10th from a pitching standpoint in August and September with a 3.78 ERA. At the plate, the club ranked seventh in the league in hitting at .234.

2019 PITCHER NOTES

ALTOONA CURVE STARTER BREAKDOWN

PLAYER	W-L	ERA	GS	CG	IP	H	R	ER	HR	BB	SO	QS	RUN SUPPORT	TEAM RECORD
Dario Agrazal (R)	1-1	3.60	4	0	25.0	29	10	10	3	0	19	2/4	9/2.3 runs per start	2-2
Cody Bolton (R)	2-3	5.85	9	0	40.0	37	26	26	6	16	33	2/9	28/3.1 runs per start	4-5
Sean Brady (L)	5-11	3.65	22	1	138.0	135	67	56	15	36	82	16/22	91/4.1 runs per start	10-12
Joel Cesar (R)	0-0	0.00	1	0	1.0	0	0	0	0	3	1	0/1	1/1.0 runs per start	0-1
Austin Coley (R)	0-0	5.14	4	0	7.0	11	4	4	0	2	8	0/4	18/4.5 runs per start	2-2
Matt Eckelman (R)	0-1	45.00	1	0	1.0	6	5	5	0	0	2	0/1	3/3.0 runs per start	0-1
Nick Economos (R)	0-2	7.07	3	0	14.0	17	12	11	2	6	14	0/3	9/3.0 runs per start	1-2
Yeudy Garcia (R)	0-0	13.50	2	0	5.1	13	8	8	1	5	6	0/2	18/9.0 runs per start	2-0
Scooter Hightower (R)	2-5	6.17	9	0	42.1	51	32	29	8	12	20	2/9	31/3.4 runs per start	4-5
James Marvel (R)	9-5	3.10	17	1	101.2	85	36	35	6	24	83	11/17	69/4.3 runs per start	11-6
Cody Ponce (R)	0-0	6.00	1	0	3.0	2	2	2	1	0	2	0/1	6/6.0 runs per start	0-1
Domingo Robles (L)	4-6	4.02	18	3	103.0	113	51	46	13	21	77	7/18	80/4.4 runs per start	7-11
Beau Sulser (R)	1-2	3.86	6	0	28.0	28	15	12	1	11	19	2/6	23/4.3 runs per start	1-5
Pedro Vasquez (R)	8-5	2.73	23	1	122.0	106	46	37	8	29	91	11/23	85/3.7 runs per start	12-11
Cam Vieaux (L)	4-4	2.23	13	0	76.2	54	20	19	6	29	59	9/13	45/3.5 runs per start	8-5
Brandon Waddell (L)	3-1	2.23	7	0	36.1	29	10	9	0	9	42	3/7	22/3.1 runs per start	6-1
SEASON TOTALS	W	L	G	CG	IP	H	R	ER	HR	BB	SO	ERA		
	39	46	140	6	744.1	716	344	309	70	203	558	3.74		

ALTOONA CURVE BULLPEN BREAKDOWN

PLAYER	W-L	ERA	G	SV/SVO	HLTD	IP	H	R	ER	HR	BB	SO	INH/STR.	1ST BATTER RET.	TEAM RECORD
Jake Brentz (L)	0-1	0.77	9	0/0	1	11.2	6	1	1	0	3	13	4/4	4/9 (44%)	4-5
Vicente Campos (R)	2-2	4.85	20	1/2	1	26.0	29	17	14	5	13	23	4/1	11/20 (55%)	10-10
Blake Cederlind (R)	5-1	1.77	31	2/4	5	45.2	31	10	9	1	16	42	13/9	24/31 (77%)	19-12
Joel Cesar (R)	3-4	3.86	27	1/3	3	37.1	38	18	16	5	9	35	6/3	14/27 (52%)	9-18
Austin Coley (R)	2-2	3.63	12	0/1	0	17.1	24	13	7	1	7	10	1/0	4/12 (33%)	4-8
Matt Eckelman (R)	1-4	2.45	44	23/24	0	47.2	37	16	13	3	25	43	1/1	31/44 (70%)	33-11
Nick Economos (R)	0-1	16.20	1	0/0	0	3.1	7	6	6	2	1	3	--	0/1 (0%)	0-1
Elvis Escobar (L)	1-0	1.80	3	0/1	0	5.0	4	1	1	0	1	6	--	2/3 (67%)	2-1
Yeudy Garcia (R)	1-2	5.40	31	1/3	2	56.2	63	37	34	3	29	47	13/5	20/31 (65%)	11-20
Angel German (R)	3-3	4.33	39	2/3	8	52.0	33	25	25	8	31	48	10/4	29/39 (74%)	15-24
Scooter Hightower (R)	0-0	0.00	1	0/0	0	1.0	0	0	0	0	0	1	--	1/1 (100%)	1-0
Clay Holmes (R)	1-0	6.75	2	0/1	1	4.0	5	3	3	0	1	3	--	1/2 (50%)	2-0
Joe Jacques (R)	0-0	0.00	1	0/0	0	1.0	1	0	0	0	2	0	--	0/1 (0%)	0-1
Sean Keselica (L)	0-0	0.00	7	0/0	1	9.0	6	5	0	0	6	8	2/1	5/7 (71%)	1-6
Tom Koehler (R)	0-0	54.00	1	0/0	0	0.1	2	2	2	1	1	1	--	0/1 (0%)	0-1
Jesus Liranzo (R)	2-1	1.61	20	1/3	2	28.0	14	7	5	0	13	24	8/6	17/20 (85%)	12-8
Nick Mears (R)	0-0	1.80	4	0/0	0	5.0	4	3	1	0	2	7	--	2/4 (50%)	1-3
Jesse Medrano (R)	0-0	18.00	1	0/0	0	1.0	2	2	2	0	2	0	--	0/1 (0%)	0-1
Shea Murray (R)	0-0	162.00	1	0/1	0	0.1	5	6	6	0	1	0	2/0	0/1 (0%)	0-1
John O'Reilly (R)	0-0	0.00	1	0/0	0	1.0	1	0	0	0	0	1	--	0/1 (0%)	0-1
Cody Ponce (R)	0-0	6.00	2	1/1	0	3.0	1	2	2	0	1	4	--	1/2 (50%)	1-1
Alfredo Reyes (R)	0-0	0.00	1	0/0	0	1.0	0	0	0	0	1	0	--	1/1 (100%)	0-1
Tate Scioneaux (R)	1-1	12.75	13	1/2	2	12.0	20	17	17	5	6	16	2/0	7/13 (54%)	7-6
Jerrick Suiter (R)	0-0	0.00	2	0/0	0	1.2	1	0	0	0	0	1	2/2	1/2 (50%)	0-2
Beau Sulser (R)	7-1	2.25	27	2/3	0	68.0	60	20	17	3	20	44	8/5	21/27 (78%)	15-12
Ryan Valdes (R)	0-0	9.00	1	0/0	0	2.0	4	2	2	0	2	2	--	1/1 (100%)	0-1
Pedro Vasquez (R)	0-0	0.00	1	0/0	1	1.0	1	0	0	0	0	0	--	1/1 (100%)	1-0
Blake Weiman (L)	1-2	1.86	16	2/2	6	19.1	11	6	4	1	4	24	6/5	13/16 (81%)	10-6
SEASON TOTALS	W	L	G	SV/SO	IP	H	R	ER	HR	BB	SO	ERA			
	30	25	134	37/54	461.1	410	219	187	38	195	406	3.65			

#38 Dario Agrazal

Bats: Right Throws: Right

1-1, 3.60 ERA, 19 SO, 0 BB

LONG OUTING (START): 7.0, 4/22 @ HBG	MOST K (START): 8, 4/22 @ HBG	SAVE OPPS: --
LONG OUTING (PEN): --	MOST BB (START): --	INHERITED/STRANDED: --
LONG SCORELESS STK: 10.1, 4/16-4/22	MOST K (PEN): --	FIRST BATTER RETIRED %: --
EXTRA-INNING UER: --	MOST BB (PEN): --	CURVE RECORD WHEN PITCHING: 2-2

- 2019 NOTES: Started season with Double-A Altoona for second straight season...Ranked by *Baseball America* as Pittsburgh's No. 29 prospect to open the season...Made season debut on 4/5 @ AKR and pitched six innings and earned the win...Allowed five runs, all in the first three innings, with three home runs and five total extra-base hits allowed before retiring 10 of final 11 batters faced as offense rallied for five runs in the fifth to take the lead in a 7-6 victory...Allowed four runs on a total of 11 hits, including lead-off knocks in five of six innings worked in losing decision on 4/11 @ ERI...Turned in first quality start of the season with six one-run innings on 4/16 vs. HBG and drew a bases-loaded walk at the plate for the Curve's only run scored in the game...Matched a career-high eight strikeouts 4/22 @ HBG over seven scoreless innings on 79 pitches and held Senators to three hits...*Pitched 10.1 straight scoreless innings over last two starts...Pitched the most innings (25.0) without a walk in Minor League Baseball over his first four starts of the season...Only Eastern League pitcher in 2019 to pitch more than 11.0 innings without a walk...*Promoted to Triple-A Indianapolis on 4/28...Made Triple-A debut on 4/29 vs. COL and earned a win after 6.2 innings, two runs allowed, six strikeouts and one walk (lead-off hitter in second inning)...Made 12 total starts with the Indians, going 4-4 with a 4.78 ERA...Had his contract purchased by the Pittsburgh Pirates on 6/15 and made his MLB debut on 6/15 @ MIA, pitching four innings and allowed three runs (two earned) with three strikeouts...Optioned to Triple-A Indianapolis on 6/16...Recalled on 6/26 to start @ HOU and earned first MLB win after six one-run innings of a 14-2 Buc win...Had a total of four stints with the Pirates and made 15 appearances (14 starts) and went 4-5 with a 4.91 ERA...Regarded as the Pirates' No. 21 prospect by *Baseball America* at the end of the season

#43/45 Cody Bolton

Bats: Right Throws: Right

2-3, 5.85 ERA, 33 SO, 16 BB

LONG OUTING (START): 6.0, 2x, last - 7/28 vs. RIC	MOST K (START): 8, 7/28 vs. RIC	SAVE OPPS: --
LONG OUTING (PEN): --	MOST BB (START): 3, 7/28 vs. RIC	INHERITED/STRANDED: --
LONG SCORELESS STK: 10.2, 7/28-8/3	MOST K (PEN): --	FIRST BATTER RETIRED %: --
EXTRA-INNING UER: --	MOST BB (PEN): --	CURVE RECORD WHEN PITCHING: 4-5

- 2019 NOTES: **2019 FLORIDA STATE LEAGUE ALL-STAR**...Ranked as the Pirates' No. 27 prospect by MLB.com and No. 21 by *Baseball America* at the beginning of the season Began the season with A-Adv. Bradenton in first full professional season...*Picked up winning decision five of his first six starts and allowed three earned runs, five total, and 20 hits allowed through 35 innings for a 0.77 ERA through 5/6...*Named Florida State League Pitcher of the Week for May 6-12 after he posted a career-best seven scoreless innings on three hits and seven strikeouts on 5/6 @ CLR...Allowed a season-high five runs over 2.2 innings on 5/14 vs. FTM in first loss of the season...*Went 0-3 with a 5.27 ERA (8 ER/13.2 IP) in three straight starts from 5/14-24...*Fanned a career-best 10 hitters on 5/30 vs. LAK and started with 4.2 no-hit frames and went on to bust losing streak with six one-hit, scoreless innings...Missed next start with a trip to the 7-day injured list due to a right groin strain...Activated after minimum seven days on 6/11 and returned for three shutout frames on 6/13...Named a Florida State League All-Star but did not pitch in the 6/15 game...Struck out five over four hitless innings on 6/20 in final FSL appearance...Promoted to Double-A Altoona on 6/26...*At time of promotion, led the Florida State League with 1.61 ERA, six wins, .174 batting average against and 0.86 WHIP...*Made Double-A debut on 6/26 @ RIC and racked up six strikeouts over first four innings without a run allowed...In the fifth frame, allowed a single and two walks to load the bases and allowed a pinch-hit, RBI single to Peter Maris and was removed with the bases loaded...Richmond's Johneshwy Fargas hit a bases-clearing, three-run triple off reliever Joel Cesar to charge four runs to Bolton's line in his Curve debut...Also singled in second pro plate appearance during Double-A debut...Gave up two homers in second Double-A outing on 7/1 @ AKR and grinded through five innings, trailing 4-2, before the Curve came back to win, 5-4...Skipped over in the rotation before the All-Star Break due to rain out on 7/6 vs. ERI...Departed after five innings with a three-run lead on 7/13 @ ERI, allowing four runs on two separate homers but Kody Eaves' second homer of the game off Yeudy Garcia tied the game in the sixth and spoiled his first chance at his first Double-A win...Pitched a Double-A-best six innings on 76 pitches and did not allow a run on 7/18 @ BOW...*Pitched 10.1 scoreless innings over three starts from 7/13-7/23...*Retired all but two batters faced, including his last 11 and first seven hitters before Ryan Ripken doubled and TJ Nitching walked...Start on 7/23 vs. ERI (1) was limited to three innings due to a 2:27 rain delay...Earned first Double-A win on 7/28 vs. RIC, holding the Flying Squirrels to one score in the first inning before picking up eight strikeouts and allowed three hits total on 77 pitches...*Pitched 10.2 straight scoreless innings from 7/28-8/3...*Threw 4.2 scoreless innings on 8/3 @ REA before Jack Contey hit a solo homer followed by a walk and two singles tied the game at 2-2 followed by Alec Bohm's go-ahead, three-run homer to eventually hand Bolton the losing decision...Bounced back with five shutout frames, leading a 2-0 victory on 8/8 vs. RIC and earned second win at Double-A...Departed his start in the second inning on 8/15 @ HBG, throwing 46 pitches and was charged with five runs when two inherited runners scored against Yeudy Garcia...Placed on the 7-day injured list on 8/17 with a right middle finger blister and missed the remainder of the season...*Led the Pirates organization with a 1.04 WHIP (min. 100 innings pitched) between A-Adv. Bradenton and Double-A Altoona...Also ranked second in the system with a .258 batting average against and fourth with a 3.28 ERA...Finished 12th in the Pirates system with 102 total strikeouts...*Ranked as the Pirates' No. 13 prospect by MLB.com and No. 5 by *Baseball America* at the end of the season

2019 PITCHER NOTES

#18/37/49 Sean Brady	Bats: Left Throws: Left	5-11, 3.65 ERA, 82 SO, 36 BB
LONG OUTING (START): 9.0, 8/23 @ BOW	MOST K (START): 7, 8/18 vs. BOW	SAVE OPPS: --
LONG OUTING (PEN): --	MOST BB (START): 4, 7/16 vs. TRN	INHERITED/STRANDED: --
LONG SCORELESS STK: 12.2, 8/18-8/28	MOST K (PEN): --	FIRST BATTER RETIRED %: --
EXTRA-INNING UER: --	MOST BB (PEN): --	CURVE RECORD WHEN PITCHING: 10-12

- 2019 NOTES: Started the season in the Indians organization with Double-A Akron...Made season debut against the Curve on 4/6 at Canal Park in Akron and tossed seven strong innings but was on the short end of a 2-0 Altoona victory...Promoted to Triple-A Columbus on 4/11 and made two starts with the Clippers, going 1-0 with a 5.23 ERA before returning to Akron's roster on 4/18...Allowed a career-high nine runs on 4/23 vs. BNG with nine scores on nine hits over three innings for second loss of the year...Pitched four innings and allowed five runs on seven hits on 4/28 @ BOW...Granted release by Cleveland on 5/1...Signed as a minor league free agent by Pittsburgh on 5/6 and assigned to Double-A Altoona...Made Pirates organization debut on 5/8 vs. BOW and allowed four runs over five innings, departing with the Curve trailing 4-2 before 12-2 loss...Earned first win in the Pirates organization on 5/15 @ BNG...Compiled first quality start with Altoona on 5/21 @ NHM and allowed one earned run over 6.1 innings but was charged with two more when a pair of inherited runners scored against Vicente Campos during a 5-0 loss...Allowed a lead-off, solo homer to Jeremy Rivera on the first pitch of the game on 5/26 @ POR and sat down the next 17 hitters on his way to seven two-run innings and second winning decision...Faced former organization for the first time on 6/7 vs. AKR and was tagged for five runs over six innings, including two homers by Wilson Garcia over the first three innings...Faced the minimum over his first five innings on 6/12 vs. POR with two double plays and a pick off to work around one single and two walks, but allowed single runs in the sixth and seventh before the Sea Dogs opened up their lead against the bullpen...Snapped a three-game losing streak with third win on 6/23 @ HFD and retired his final 13 hitters on 36 of his 90 total pitches and completed seven, one-run innings...Also recorded first career base hit in the sixth inning...Started on 7/4 vs. ERI and allowed two runs in the first on a two-run homer by Jose Azocar before settling in for seven innings of no-decision with six strikeouts, including the 500th of his professional career...Started first game after the All-Star Break on 7/11 @ ERI and turned in his seventh straight quality start but shouldered a losing decision after three unearned runs in the first...*Tossed quality starts in 10 of last 11 outings, including seven in a row from 6/12-7/16, with a 2.80 ERA (22 ER/70.2 IP), second-lowest in E.L. from 5/21-7/16...*Snapped quality start streak with six runs allowed in five innings on 7/21 @ BOW and departed down 6-0 but the Curve rallied for an 8-6 win...Limited Richmond to two infield hits on 8/7 vs. RIC but an unearned run passed in the fourth inning during a 1-0 loss, his third straight loss in as many starts...Matched a career-high 12 hits allowed and was charged with eight runs (six earned) on 8/13 @ HBG, losing his fourth straight start...*Over five starts from 7/21-8/13, went 0-4 with a 6.04 ERA (19 ER/28.1 IP) with 40 hits allowed...*Struck out a season-high seven hitters on 8/18 vs. BOW and departed with a lead but was dealt a no-decision after Bowie tied the game in the eighth...*Pitched nine-inning, complete-game shutout, the first of his career and 16th in Curve history, on 8/23 @ BOW with seven hits allowed, six strikeouts and one walk during a 7-0 victory...*Defeated former team with seven one-run innings on 8/28 vs. AKR to pick up second straight win and first home win with the Curve...Pitched 5.2 hitless innings in the season finale on 9/2 @ HBG before Michael A. Taylor broke up the no-hitter and shutout with a solo homer...Led to a 1-0 win for Harrisburg and an 11th losing decision for Brady, tied for third-most by a pitcher in club history...Led the pitching staff with 16 quality starts in 22 total starting assignments...*In last four starts of 2019, Brady went 2-1 with a 1.61 ERA (5 ER/28 IP) with 20 strikeouts...**In 21 Double-A starts between Akron and Altoona, Brady was 5-13 with a 4.20 ERA (71 ER/152 IP)...*Led Eastern League with 20 ground ball double plays and 152 innings pitched...Allowed fourth-most home runs (15) in E.L...After signing with the Pirates on 5/6, his 3.65 ERA ranked sixth in the Eastern League

#35 Jake Brentz	Bats: Left Throws: Left	0-1, 0.77 ERA, 13 SO, 3 BB
LONG OUTING (START): --	MOST K (START): --	SAVE OPPS: --
LONG OUTING (PEN): 2.1, 5/1 vs. ERI	MOST BB (START): --	INHERITED/STRANDED: 4/4 (100%)
LONG SCORELESS STK: 7.0, 4/23-5/4	MOST K (PEN): 4, 4/13 vs. AKR	FIRST BATTER RETIRED %: 4/9 (44%)
EXTRA-INNING UER: --	MOST BB (PEN): 1, 3x, last - 4/28 vs. RIC	CURVE RECORD WHEN PITCHING: 4-5

- 2019 NOTES: Member of the Altoona's Opening Day roster...Threw a scoreless sixth inning in season debut on 4/7 @ AKR...Posted season-high four strikeouts in 1.1 scoreless innings on 4/13 vs. AKR (2) in third straight scoreless outing...Handed first loss of the year on 4/23 @ HBG after Adrian Sanchez tripled and scored on a Drew Ward single to break a 4-4 tie in the bottom of the eighth inning...Earned first hold of season with scoreless seventh inning on 4/28 vs. RIC...Worked season-high 2.1 scoreless innings on 5/1 vs. ERI...Pitched seven straight scoreless innings over last five outings...Promoted to Triple-A Indianapolis on 5/6...Appeared in 27 games and went a perfect 8-for-8 in save attempts, third-most on the club, while going 1-0 with a 5.55 ERA...Released by the Pirates on 8/16...Signed by Kansas City on 8/20 and assigned to Double-A Northwest Arkansas...Appeared in five games for the Nationals with a 3.38 ERA (2 ER/5.1 IP)

#34 Vicente Campos	Bats: Right Throws: Right	2-2, 4.85 ERA, 1 SV, 26 SO, 21 BB
LONG OUTING (START): --	MOST K (START): --	SAVE OPPS: 1/2
LONG OUTING (PEN): 2.0, 5x, last - 6/17 vs. HBG	MOST BB (START): --	INHERITED/STRANDED: 4/1 (25%)
LONG SCORELESS STK: 3.2, 4/4-4/11	MOST K (PEN): 4, 4/7 @ AKR	FIRST BATTER RETIRED %: 11/20 (55%)
EXTRA-INNING UER: --	MOST BB (PEN): 2, 3x, last - 6/17 vs. HBG	CURVE RECORD WHEN PITCHING: 10-10

- 2019 NOTES: Member of Altoona's Opening Day roster...Tossed a scoreless inning with one strikeout on Opening Night, his Pirates organization debut, on 4/4 @ AKR...Earned first win in the Pirates organization with two scoreless innings of relief and four strikeouts on 4/7 @ AKR...Charged with a blown save on 4/11 vs. AKR when a balk scored Tyler Krieger from third base to tie the game, 1-1, in the seventh inning...Entered in a 2-2 game on 4/15 vs. HBG and allowed two solo home runs in eighth inning and took his first losing decision...Gave up game-winning solo home run to Chuck Taylor in bottom of eighth inning in 1-0 loss on 4/22 @ HBG...Recorded first save of season with two strikeouts in perfect ninth inning on 4/28 vs. RIC...Earned second win with scoreless eighth inning in 9-8 comeback win on 6/3 @ ERI...Released by the Pirates on 6/21...Signed by Pericos de Puebla of the Mexican League on 7/2 and appeared in 11 games before he was released on 7/24

#35/39 Blake Cederlind	Bats: Right Throws: Right	5-1, 1.77 ERA, 2 SV, 42 SO, 16 BB
LONG OUTING (START): --	MOST K (START): --	SAVE OPPS: 2/4
LONG OUTING (PEN): 3.0, 6/5 @ ERI	MOST BB (START): --	INHERITED/STRANDED: 13/9 (69%)
LONG SCORELESS STK: 15.0, 6/9-7/20	MOST K (PEN): 4, 2x, last - 8/4 @ REA	FIRST BATTER RETIRED %: 24/31 (77%)
EXTRA-INNING UER: --	MOST BB (PEN): 3, 8/20 vs. HFD	CURVE RECORD WHEN PITCHING: 19-12

- 2019 NOTES: Began the season with A-Adv. Bradenton...Pitched in seven games and turned in six scoreless efforts...Allowed one earned run over 7.2 innings (1.17 ERA) with no decisions and two saves...Promoted to Double-A Altoona on 5/4...Made Double-A debut on 5/4 @ RIC and fired two scoreless innings with two strikeouts...*Did not allow a run over first seven Double-A appearances, spanning 12.1 innings, from 5/4-5/25...*Pitched 16.1 innings without an earned run allowed until 6/5 @ ERI when Josh Lester hit a solo homer, but Cederlind earned his first Double-A win after a season-high four strikeouts and three innings of work...Placed on Temporary Inactive List for bereavement on 6/26 and activated on 7/1...Earned third win after 1.1 scoreless innings with two strikeouts in 3-2 comeback win on 7/7 vs. ERI...*Pitched 15 straight scoreless innings over 12 outings from 6/9-7/20...*Entered the Pirates Top 30 Prospect rankings on MLB.com on 6/5, checking in at No. 30...Recorded first Double-A save with a scoreless ninth inning in a 2-0 win on 8/8 vs. RIC...Earned fourth win of season after scoreless eighth inning which sent scoreless game to bottom of eighth in 1-0 win on 8/9 vs. REA...Earned fifth win of season with two hitless, scoreless innings in 3-0 win in 10 innings on 8/14 @ HBG...Recorded second save of season with scoreless ninth inning, stranding two runners, to lock down 5-4 comeback win on 8/18 vs. BOW...*Held a 1.35 ERA (4 ER/26.2 IP) and went 4-0 over 20 appearances from 6/14-8/18...*Allowed two runs on one hit and three walks, including one intentional walk, in ninth inning and was handed blown save and first loss of season on 8/20 vs. HFD...Promoted to Triple-A Indianapolis on 8/22 and made three outings for the Indians to finish the season...1.77 ERA in 31 games with the Curve ranked 10th among Eastern League pitchers that pitched a minimum of 40 innings...*Held a 1.69 ERA between A-Adv. Bradenton and Double-A Altoona before going to Triple-A...*Between A-Adv. Bradenton, Double-A Altoona and Triple-A Indianapolis, Cederlind went 5-2 with a 2.28 ERA over 41 outings and recorded 55 strikeouts in 59.1 innings...*24 of 31 Double-A outings have been scoreless...*Ranked as the Pirates' No. 28 prospect by MLB.com and No. 24 by Baseball America at the end of the season...2.28 ERA ranked second among Pirates minor league relievers (min. 50 innings pitched)...Allowed just two homers over 59.1 innings over three levels...Held opponents to a .211 average, including a .168 mark against right-handers...Played for Peoria Javelinas in the Arizona Fall League after the season

#30/38 Joel Cesar	Bats: Right Throws: Right	3-4, 3.76 ERA, 1 SV, 36 SO, 12 BB
LONG OUTING (START): 1.0, 5/14 @ BNG	MOST K (START): 1, 5/14 @ BNG	SAVE OPPS: 1/3
LONG OUTING (PEN): 2.0, 12x, last -- 8/30 @ HBG	MOST BB (START): 3, 5/14 @ BNG	INHERITED/STRANDED: 6/3 (50%)
LONG SCORELESS STK: 9.1, 5/11-5/31	MOST K (PEN): 4, 5/18 vs. HBG	FIRST BATTER RETIRED %: 14/27 (52%)
EXTRA-INNING UER: 1	MOST BB (PEN): 1, 9x, last - 8/15 @ HBG	CURVE RECORD WHEN PITCHING: 9-19

- 2019 NOTES: Began the season with A-Adv. Bradenton...Ranked tied for third in the Florida State League with five saves at the time of promotion to Double-A Altoona on 5/9...Combined on four hitless innings over three outings with two saves to start the season...Allowed one run over 12.1 innings with the Marauders...Allowed one hit over 4.1 scoreless innings before promotion...Right-handed batters went 0-for-22 in his nine FSL outings...Made Double-A debut on 5/11 vs. ERI, earned hold over two innings of work and allowed one run, a solo homer on his second batter faced...Made spot-start on 5/14 @ BIN (2) and pitched a scoreless first inning with three walks and one strikeout...*Pitched 9.1 straight scoreless innings from 5/11-5/31 between solo homers...*Earned first Double-A win on 6/11 vs. POR, giving up one run in two innings...Hit with second loss and first blown save on 6/21 @ HFD on a two-out, two-run double by Vance Viccaino...Earned second Double-A win after two scoreless innings in 6-4 comeback win on 7/3 @ AKR...Recorded first Double-A save with two scoreless innings and two strikeouts on 7/22 vs. ERI...*Carried a 1.71 ERA (3 ER/15.2 IP) over 10 outings from 6/26-8/2 with 15 strikeouts...*Gave up walk-off, two-run homer to Alec Bohm in bottom of the 10th inning and was handed third loss and second blown save on 8/4 @ REA...Earned third win of season after scoreless top of the 10th inning and a walk-off single by Jerrick Suiter in the bottom of the 10th on 8/6 (suspended game finished on 8/7)...*Went 2-2 with a 2.82 ERA (7 ER/22.1 IP) over final 17 outings of the season...*Between A-Adv. Bradenton and Double-A Altoona, Cesar went 5-4 with a 3.02 ERA, pitching in 37 games with 52 strikeouts and 17 walks in 50.2 innings...Also held opponents to .226 average

#2/39 Austin Coley	Bats: Right Throws: Right	2-2, 4.07 ERA, 18 SO, 9 BB
LONG OUTING (START): 2.0, 3x, last - 6/5 @ ERI	MOST K (START): 2, 4x, last - 6/11 vs. POR	SAVE OPPS: 0/1
LONG OUTING (PEN): 2.0, 5x, last - 7/31 @ TRN	MOST BB (START): 1, 2x, last - 6/11 vs. POR	INHERITED/STRANDED: 1/0
LONG SCORELESS STK: 5.2, 7/15-7/27	MOST K (PEN): 3, 7/11 @ ERI	FIRST BATTER RETIRED %: 4/12 (33%)
EXTRA-INNING UER: 2	MOST BB (PEN): 2, 2x, last - 7/15 vs. TRN	CURVE RECORD WHEN PITCHING: 6-10

- 2019 NOTES: Began the season in extended spring training...Added to A-Adv. Bradenton roster on 5/21 and pitched a scoreless sixth inning @ FTM...Closed out the final two innings on 5/24 vs. TAM without a run allowed...Added to the Curve roster on 5/27 and made the start @ POR, pitching two innings with one run allowed in first starting role of the year...Changed uniform number from 39 to 2 on 5/31, joining Ian Snell as the only other Curve pitcher to wear a single-digit jersey number...Compiled first scoreless outing with Altoona on 6/5 @ ERI, lasting two frames and picked up a pair of strikeouts...Moved to bullpen on 6/14...Tagged for first loss during three-run seventh on 6/22 @ HFD that included a solo homer to Brian Serven on his first pitch...Earned first win of season in 6-5 comeback win in 10 innings on 7/4 vs. ERI...Earned second win of season with two scoreless innings in 8-6 comeback win on 7/21 @ BOW...*Did not allow an earned run in 8 of his last 9 outings since 6/30 and owned a 1.35 ERA over that span (2 ER/13.1 IP)...*Placed on the 7-day injured list with a left ankle sprain on 8/1...Granted release by the Pirates on 8/20 and announced retirement on Instagram...Finished Double-A career with a 10-6 record and 3.21 ERA over 50 outings from 2017-19

2019 PITCHER NOTES

#30 Matt Eckelman	Bats: Right Throws: Right	1-5, 3.33 ERA, 23 SV, 45 SO, 25 BB
LONG OUTING (START): 1.0, 5/25 @ POR	MOST K (START): 2, 5/25 @ POR	SAVE OPPS: 23/24
LONG OUTING (PEN): 3.0, 7/23 vs. ERI	MOST BB (START): --	INHERITED/STRANDED: 1/1
LONG SCORELESS STK: 18.2, 6/2-7/20	MOST K (PEN): 3, 2x, last -- 7/27 vs. RIC	FIRST BATTER RETIRED %: 31/44 (70%)
EXTRA-INNING UER: 2	MOST BB (PEN): 3, 2x, last -- 6/5 @ ERI	CURVE RECORD WHEN PITCHING: 33-12

- 2019 NOTES: 2019 ALTOONA CURVE FIREMAN OF THE YEAR...On the Opening Day roster and threw a scoreless ninth inning with two strikeouts, locking down Altoona's 5-0 win on Opening Day on 4/4 @ AKR...Earned first save of the season on 4/6 @ AKR to complete a 2-0 shutout victory...Earned second save a day later with scoreless inning on 4/7 @ AKR, working back-to-back days for the second time in his pro career...Gave up four runs on three hits and two walks in eighth inning but earned the win on 4/28 vs. RIC...Assigned to Triple-A Indianapolis on 5/9 and made Triple-A debut on 5/10 @ LHV, allowing four runs without recording an out... Rejoined the Curve roster on 5/16...Used as an opener on 5/25 @ POR and allowed five runs in the first inning and shouldered the losing decision of a 5-3 defeat... Gave up walk-off grand slam to Tate Matheny with two outs in ninth in 7-3 loss on 5/27 @ POR...Allowed nine earned runs over back-to-back outings on 5/25 (opener) and 5/27 @ POR (relief) to raise ERA from 2.40 to 7.02...Worked consecutive days for third time in pro career on 6/18 and 6/19 vs. HBG, earning saves in each outing... Picked up 11th save of the year and 22nd save of Curve career on 6/24 @ RIC, moving into a tie for fifth-most in Curve history with Tate Scioneaux (2017-19) and Justin Kaye (2005)...Tied Noah Krol (2011) for fourth on the Curve's all-time saves list with his 24th Double-A save on 6/30 vs. BNG...Picked up 14th save and 25th of Double-A career to take sole possession of fourth place in club history by working out of a bases-loaded, one-out jam with a one-run lead on 7/1 @ AKR...Moved into third place in club history on 7/12 @ ERI with a 1-2-3 ninth inning to record 28th save in Double-A...Tied Matt Peterson for second in club history with his 29th save on 7/17 vs. TRN... *Pitched a season-long 18.2-inning scoreless streak from 6/2-7/20, spanning 18 outings...* Streak was snapped in the 10th inning on 7/20 @ BOW on a walk-off single by Ryan McKenna on the first pitch of the inning to score placed runner from second base...*Did not surrender an earned run over 22 innings and 20 outings from 6/2-7/27, lowering ERA from 7.02 to 3.03...Converted 26 consecutive save opportunities from 8/3/18-7/17/2019, the longest saves streak in franchise history...* Hit with first blown save of the season when he allowed two runs on four hits in the ninth inning on 7/27 vs. RIC...Became the second pitcher in Curve history with 30 career saves on 7/28 vs. RIC...Notched 20th save of 2019 after perfect ninth frame on 8/1 @ TRN...Worked 1-2-3 ninth inning and locked down 22nd save in 3-0 win, the Curve's 15th shutout victory, on 8/19 vs. HFD...*Over last 30 appearances since 6/2, Eckelman held a 1.41 ERA (5 ER/32 IP) with 32 strikeouts, .216 batting average against and 18 saves...23 total saves finished second in the Eastern League, led the Pirates minor league system and ranked tied for fifth in Minor League Baseball...* Second straight season leading the Pirates system in saves...*45 games in 2019 were tied for fifth in the E.L....34 career saves for the Curve rank second-most in franchise history, trailing only Montana DuRapau (2015-18) with 38...* Held right-handed hitters to a .152 average while left-handed batters held a .310 mark...Promoted back to Triple-A Indianapolis on 8/29 and appeared in two more games...*Held a 3.88 ERA in an organizational-high 48 games overall between Double-A Altoona and Triple-A Indianapolis...* 41 saves over last three seasons lead all Pirates minor league pitchers

#28 Nick Economos	Bats: Right Throws: Right	0-3, 8.83 ERA, 17 SO, 7 BB
LONG OUTING (START): 5.2, 7/23 vs. ERI	MOST K (START): 7, 7/23 vs. ERI	SAVE OPPS: --
LONG OUTING (PEN): 3.1, 8/10 vs. REA	MOST BB (START): 3, 7/23 vs. ERI	INHERITED/STRANDED: --
LONG SCORELESS STK: 4.1, 8/5	MOST K (PEN): 3, 8/10 vs. REA	FIRST BATTER RETIRED %: 0/1 (0%)
EXTRA-INNING UER: --	MOST BB (PEN): 1, 8/10 vs. REA	CURVE RECORD WHEN PITCHING: 1-3

- 2019 NOTES: Began the season with Class A Greensboro...Made season debut on 4/5 vs. HAG in relief, pitching two hitless innings with three strikeouts and a walk...Earned first win pitching four scoreless innings on 4/14 @ CSC...Won three straight starts from 4/25-5/6 with 20 strikeouts over 16 innings, holding opponents to seven runs...Skipped a start by spending 5/8-5/12 at Extended Spring Training...Assigned back to Greensboro roster on 5/12...Set a career-high with 11 strikeouts in his last South Atlantic League start on 5/16 vs. DEL, but took the loss in a 4-1 defeat to the Shorebirds...*Ranked 11th in the South Atlantic League with 50 strikeouts and fifth with four wins at time of promotion to Bradenton...* Promoted to A-Adv. Bradenton on 5/20...Made A-Adv. debut on 5/21 @ FTM...Set career-high with seven innings pitched during first A-Adv. win on 5/26 vs. TAM, holding the Tarpons to one run and struck out 10...Pitched seven innings five times, including each of his last three starts from 7/4-7/17, in which he went 2-0 with a 0.86 ERA (2 ER/21 IP) and 20 strikeouts...Compiled seven total quality starts and five straight from 6/22-7/17 in which he carried a 0.80 ERA (3 ER/33.2 IP)...*Led the Florida State League in innings (67) and games started (11) from 5/21-7/22...Ranked second in the league with a .168 opponent batting average and 0.91 WHIP during his 11-start period and his 2.01 ERA ranked fourth between 5/21-7/22...* First player under the Pirates' new player development contract with Class A Greensboro Grasshoppers to reach Double-A...Promoted to Double-A Altoona on 7/23 for Double-A debut in second game of a double-header vs. ERI...Pitched 5.2 innings and struck out seven but was handed a losing decision after three runs scored on a two-run homer by Isaac Paredes and a double by Josh Lester...Made second start on 7/31 @ TRN and allowed a season-high seven runs on nine hits...Allowed two first inning runs on 8/5 vs. RIC before holding the Flying Squirrels scoreless through the rest of his five innings while striking out five...Gave up six runs on seven hits, including two homers, in 3.1 innings and was tagged with loss in first Double-A relief outing on 8/10 vs. REA...Assigned back to A-Adv. Bradenton on 8/14 for the remainder of the season...Made three more starts for the Marauders, including back-to-back outings that he allowed one run in six innings for winning decisions...*Over three levels in Pirates system in 2019, Economos went 10-9 with a 3.42 ERA, pitching a career-high 134.1 innings and appeared in 26 games (22 starts)...3.42 ERA ranked ninth in Pittsburgh's system and 130 strikeouts finished second...Ranked eighth in the organization with a 1.15 WHIP and second with a .216 batting average against*

#24 Elvis Escobar	Bats: Left Throws: Left	1-0, 1.80 ERA, 6 SO, 1 BB
LONG OUTING (START): --	MOST K (START): --	SAVE OPPS: 0/1
LONG OUTING (PEN): 2.0, 2x, last - 8/22 @ BOW	MOST BB (START): --	INHERITED/STRANDED: --
LONG SCORELESS STK: 5.0, 8/18-8/28	MOST K (PEN): 3, 8/18 vs. BOW	FIRST BATTER RETIRED %: 2/3 (67%)
EXTRA-INNING UER: --	MOST BB (PEN): 1, 8/22 @ BOW	CURVE RECORD WHEN PITCHING: 2-1

- 2019 NOTES: Spent the entire season until 8/18 on the injured list...Made seven minor league rehab outings between 7/22-8/14, two the GCL Pirates and five with short-season West Virginia Black Bears...Allowed two runs over 6.2 innings in rehab outings...Activated on 8/18...Pitched a scoreless seventh on 8/18 vs. BOW but gave up the tying run in the eighth for blown save...Had runners on second and third with no outs and struck out three straight to preserve tie game and picked up the winning decision as the Curve scored the eventual winning run in the next half inning, leading to a 5-4 win...Fired two scoreless innings on 8/22 @ BOW...Threw a perfect inning with two strikeouts on 8/28 vs. AKR...Promoted to Triple-A Indianapolis on 8/31 and made Triple-A debut vs. COL with two scoreless innings...*6-2 with a 3.07 ERA (15 ER/44 IP) and 50 strikeouts since converting to a pitcher in 2018*

#17 Yeudy Garcia	Bats: Right Throws: Right	1-2, 6.10 ERA, 1 SV, 53 SO, 34 BB
LONG OUTING (START): 3.2, 4/28 vs. RIC	MOST K (START): 3, 2x, last - 5/3 @ RIC	SAVE OPPS: 1/3
LONG OUTING (PEN): 4.0, 5/30 @ TRN	MOST BB (START): 3, 5/3 @ RIC	INHERITED/STRANDED: 13/5 (38%)
LONG SCORELESS STK: 12.0, 6/5-7/2	MOST K (PEN): 4, 2x, last - 6/21 @ HFD	FIRST BATTER RETIRED %: 20/31 (65%)
EXTRA-INNING UER: 2	MOST BB (PEN): 5, 5/12 vs. ERI	CURVE RECORD WHEN PITCHING: 13-20

- 2019 NOTES: Member of the Opening Day roster for the second straight season...Locked down final three outs of the ninth on 4/5 @ AKR for the save in season debut...Tossed three hitless, scoreless innings with three strikeouts and earned a hold on 4/8 @ ERI...Allowed an unearned run in the 11th inning on 4/11 vs. AKR before the Curve rallied to tie the game in the bottom of the frame and won in the 12th...Pitched two perfect innings of relief and fanned a season-high four batters on 4/23 @ HBG...*Held a 0.82 ERA (1 ER/11 IP) over first five outings of the season...* After 61 straight relief appearances from 2017-2019, made two starts, totalling 5.1 innings and allowed eight runs...*Allowed at least one run in seven straight outings from 5/28-6/28 and carried a 13.17 ERA (21 ER/13.2 IP), walked 15, struck out 12 and ERA rose from 0.82 to 7.66...* Bounced back with a 0.53 ERA over eight games from 5/30-6/29 to lower ERA to 4.75...Matched a then-season-best three innings of work out of the bullpen on 6/21 @ HFD that included three of four strikeouts to escape a bases-loaded jam during the sixth inning...Worked season-high four scoreless innings and earned win in relief during suspended game from 5/30 @ TRN that was completed on 7/30 @ TRN...*In 17 games from 5/30-8/11, pitched to a 2.61 ERA (9 ER/31 IP) with 28 strikeouts and 12 walks to work ERA back down to 4.85...Allowed 12 earned runs on 14 hits in last four outings of the season after 8/15 to balloon ERA to 6.10*

#32 Angel German	Bats: Right Throws: Right	3-3, 4.33 ERA, 2 SV, 48 SO, 31 BB
LONG OUTING (START): --	MOST K (START): --	SAVE OPPS: 2/3
LONG OUTING (PEN): 3.0, 7/23 vs. ERI (1)	MOST BB (START): --	INHERITED/STRANDED: 10/4 (40%)
LONG SCORELESS STK: 10.1, 5/15-6/22	MOST K (PEN): 3, 6x, last - 8/16 vs. BOW	FIRST BATTER RETIRED %: 29/39 (74%)
EXTRA-INNING UER: --	MOST BB (PEN): 4, 2x, last -- 8/13 @ HBG	CURVE RECORD WHEN PITCHING: 15-24

- 2019 NOTES: Member of Altoona's Opening Day roster and spent the entire season in the Curve bullpen...Made Double-A debut and threw scoreless eighth inning during a 2-0 shutout win on 4/6 @ AKR...Allowed game-winning run on sac fly in eighth inning of 2-1 loss on 4/16 vs. HBG...Allowed three runs, including two home runs, in two innings on 4/18 @ RIC...Held an 11.12 ERA over first five games through 4/18...Worked three straight scoreless outings from 4/29-5/6, totalling four innings to lower ERA to 6.52...*Pitched a season-best 10.1 scoreless innings over 11 games from 5/15-6/22, allowed just three hits and drove ERA down from 7.62 to 4.50...* Earned first Double-A win after scoreless eighth inning on 5/19 vs. HBG...Struck out the side in order in the ninth and earned his second win on 6/1 vs. NH...Earned second save with scoreless ninth inning in 9-8 comeback win on 6/3 @ ERI...Worked five consecutive hitless, scoreless outings from 5/19-6/3...Went 2-1 with a 4.50 ERA in 22.0 IP in 19 games in First Half...Drove ERA down from 7.62 to 4.50 with nine straight scoreless appearances from 5/19-6/17...Ejected on 7/20 @ BOW after he allowed a game-tying home run to Yusniel Diaz and hit the next batter...Pitched a season-high three scoreless innings on 7/23 vs. ERI (1)...Suspended for three games from 7/24-26 due to ejection on 7/20 @ BOW...Worked 2.2 hitless innings with three strikeouts on 8/16 vs. BOW...*Held a 2.25 ERA (9 ER/36 IP) over 26 games from 5/19-8/20...* Logged 21 scoreless outings over last 29 games with a 3.23 ERA (14 ER/39.0 IP), 21 hits allowed and 38 strikeouts since 5/19...*Held a 4.20 ERA and allowed 19 hits in 20 games during the Second Half...* Kept opponents to a .182 batting average, leading all Pirates minor league pitchers and ranked 10th in the Eastern League with at least 50 innings pitched...33 total hits were second-fewest among all E.L. pitchers with at least 50 innings of work...Kept right-handed hitters to a .140 average in E.L. action

#24 Scooter Hightower	Bats: Right Throws: Right	2-5, 6.02 ERA, 21 SO, 12 BB
LONG OUTING (START): 6.0, 3x, last - 5/11 vs. ERI	MOST K (START): 3, 3x, last - 5/23 @ NH	SAVE OPPS: --
LONG OUTING (PEN): 1.0, 4/4 @ AKR	MOST BB (START): 2, 5x, last - 5/23 @ NH	INHERITED/STRANDED: --
LONG SCORELESS STK: 8.1, 5/5-5/17	MOST K (PEN): 1, 4/4 @ AKR	FIRST BATTER RETIRED %: 1/1 (100%)
EXTRA-INNING UER: --	MOST BB (PEN): --	CURVE RECORD WHEN PITCHING: 5-5

- 2019 NOTES: On Altoona's Opening Day roster...Appeared in relief on Opening Day, 4/4 @ AKR, and threw a perfect eighth inning with one strikeout...Transitioned to rotation and made first start of the season on 4/7 @ AKR, and tossing five innings with two runs allowed...*After two runs allowed in the second inning on 4/7 @ AKR, Hightower pitched 18 consecutive scoreless innings spread over six Double-A outings (three starts) from 8/12/18-4/7/19 and did not allow an earned run over nine appearances (five starts) from 8/2/18-4/7/19 for a total of 26.1 innings...* Shouldered back-to-back losses on 4/13 vs. AKR and 4/18 @ RIC with seven runs (six earned) over 8.1 innings...Allowed two runs in the first and two in the third during a three-inning start on 4/24 @ HBG...*Went 0-2 with a 7.15 ERA (9 ER/11.1 IP) over three starts from 4/13-4/24...* Threw a season-high six innings for first quality start and winning decision of the campaign on 4/30 vs. ERI and held the SeaWolves to two runs while the offense rallied for four runs in the bottom of the sixth...Matched season-high six innings pitched in next start but allowed three homers and was handed third loss of the year after six total runs scored, four in the third and two in the fifth, on 5/5 @ RIC...Picked up second win with six scoreless frames on 5/11 vs. ERI...After a two-out run in the first inning, allowed a three-run homer to Hunter Jones in the second and a two-run shot to Austin Davidson in fourth loss on 5/17 @ HBG...Allowed five more runs over five innings on 5/23 @ NH for third loss in four outings, which turned out to be final outing of professional career...Placed on temporary inactive list on 5/27...Assigned to short-season West Virginia on 6/12 and then to A-Adv. Bradenton on 6/20...Retired on 7/10

2019 PITCHER NOTES

#48 Clay Holmes Bats: Right Throws: Right 1-0, 6.75 ERA, 3 SO, 1 BB

LONG OUTING (START): --	MOST K (START): --	SAVE OPPS: 0/1
LONG OUTING (PEN): 2.0, 2x, last - 8/8 vs. RIC	MOST BB (START): --	INHERITED/STRANDED: --
LONG SCORELESS STK: 2.1, 8/5-8/8	MOST K (PEN): 3, 8/8 vs. RIC	FIRST BATTER RETIRED %: 1/2 (50%)
EXTRA-INNING UER: --	MOST BB (PEN): 1, 8/5 vs. RIC	CURVE RECORD WHEN PITCHING: 2-0

- **2019 NOTES:** Pitched in two games on MLB Rehab...Placed on the injured list with right triceps inflammation on 7/24...Assigned to Double-A Altoona for rehab assignment on 8/5...Picked up a winning decision in first outing on 8/5 vs. RIC despite allowing three runs over two innings...Retired six of the seven batters he faced and struck out three over two scoreless frames in his second rehab appearance on 8/8 vs. RIC...Activated by the Pirates on 8/11

#24 Joe Jacques Bats: Left Throws: Left 0-0, 0.00 ERA, 0 SO, 2 BB

LONG OUTING (START): --	MOST K (START): --	SAVE OPPS: --
LONG OUTING (PEN): 1.0, 9/2 @ HBG	MOST BB (START): --	INHERITED/STRANDED: --
LONG SCORELESS STK: 1.0, 9/2	MOST K (PEN): --	FIRST BATTER RETIRED %: 0/1 (0%)
EXTRA-INNING UER: --	MOST BB (PEN): 2, 9/2 @ HBG	CURVE RECORD WHEN PITCHING: 0-1

- **2019 NOTES:** Began first full pro season with Class A Greensboro and went 0-1 with a 2.96 ERA in 14 outings...Promoted to A-Adv. Bradenton on 5/29...Appeared in 20 games for the Marauders and held a 4-3 record, 2.41 ERA and struck out 39 batters in 41 innings...Earned first professional win on 6/3 @ DBT, second High-A outing, with three scoreless innings and four strikeouts...Set a career-high with four innings pitched on 6/20 vs. TAM, struck out a career-best five batters and did not allow a run...Made two spot starts on 6/29 @ FTM (0 R/3 IP) and 7/9 @ LAK (3 R/4 IP)...Earned winning decision in Bradenton's final game of the season on 8/29 vs. PMB before Hurricane Dorian canceled the remainder of the season...First member of the Pirates' 2018 draft class to reach Double-A when he was promoted to Altoona on 8/31...Made Double-A debut in Curve season finale on 9/2 @ HBG and pitched around two walks and a single for a scoreless seventh inning...*Over three levels in the Pirates system in 2019, held a 4-4 record, 2.58 ERA, .202 batting average against, struck out 59 and walked 33 over 66.1 innings...Held lefty batters to a .185 average over three levels*

#39/43 Sean Keselica Bats: Left Throws: Left 0-0, 0.00 ERA, 8 SO, 6 BB

LONG OUTING (START): --	MOST K (START): --	SAVE OPPS: --
LONG OUTING (PEN): 2.0, 2x, last - 4/27 vs. RIC	MOST BB (START): --	INHERITED/STRANDED: 2/1 (50%)
LONG SCORELESS STK: 7.1, 4/13-4/29	MOST K (PEN): 2, 2x, last - 4/27 vs. RIC	FIRST BATTER RETIRED %: 5/7 (71%)
EXTRA-INNING UER: --	MOST BB (PEN): 2, 2x, last - 4/13 vs. AKR (1)	CURVE RECORD WHEN PITCHING: 1-6

- **2019 NOTES:** Started season with Triple-A Indianapolis and made Triple-A debut on 4/6 @ COL with a scoreless 1.1 innings...After one outing with Indy, assigned to Double-A Altoona on 4/8...Made season debut with the Curve on 4/9 @ ERI with 1.1 scoreless frames...Allowed five unearned runs scoring on 4/13 vs. AKR (1) with a two-run double by Connor Marabell and three-run double from Wilson Garcia set up by a one-out error, two walks and one hit batter in the fifth inning of 7-0 loss...*Did not allow a run over final 7.1 innings worked for Altoona...Earned first hold of season with scoreless outing and two strikeouts on 4/24 @ HBG...Struck out two batters in two scoreless innings while working in tie game on 4/27 vs. RIC...Threw 10 pitches in last outing on 4/29 vs. ERI before going back to Triple-A for the remainder of the year on 5/4...One of five Eastern League pitchers in 2019 to throw at least nine innings without an earned run allowed...Carried a 1.82 ERA (5 ER/24.2 IP) from 5/28-7/13 for Indianapolis to lower ERA from 5.84 to 3.16...Pitched to a 1.98 ERA in nine games in June...Allowed 12 earned runs over 15 innings (7.20 ERA) through last seven games to bump ERA up to 4.33...Placed on 7-day injured list on 8/20 with a left shoulder strain and missed the remainder of the season...Held left-handed batters to a .135 average between the Double-A and Triple-A levels...Combined to go 1-6 with a 3.69 ERA with 57 strikeouts and 39 walks over 36 total outings*

#37 Tom Koehler Bats: Right Throws: Right 0-0, 54.00 ERA, 1 SO, 1 BB

LONG OUTING (START): --	MOST K (START): --	SAVE OPPS: --
LONG OUTING (PEN): 0.1, 8/16 vs. BOW	MOST BB (START): --	INHERITED/STRANDED: --
LONG SCORELESS STK: 0.1, 8/16	MOST K (PEN): 1, 8/16 vs. BOW	FIRST BATTER RETIRED %: 0/1 (0%)
EXTRA-INNING UER: --	MOST BB (PEN): 1, 8/16 vs. BOW	CURVE RECORD WHEN PITCHING: 0-1

- **2019 NOTES:** Signed by the Pirates on 2/6...Spent entire season until 8/13 on Triple-A Indianapolis 7-day injured list...Made minor league rehab outing on 8/6 for GCL Pirates vs. GCL Twins and threw seven pitches, allowed two runs and recorded two outs...It was his first appearance in a game since 9/29/17 @ NYY...Made two rehab appearances with short-season West Virginia Black Bears on 8/9 vs. WIL and 8/12 vs. AUB, including two scoreless innings with a winning decision in final outing...Activated from Triple-A injured list and assigned to Double-A Altoona on 8/13...Made lone outing on 8/16 vs. BOW...Allowed a single by Willy Yahn, struck out Mason McCoy and then Cedric Mullins yanked a two-run homer inside the right field foul pole...Had a 2-1 count on the following hitter and was removed from the game due to right shoulder strain...Placed on the 7-day injured list on 8/18 and missed the remainder of the season

#49 Jesus Liranzo Bats: Right Throws: Right 2-1, 1.61 ERA, 1 SV, 24 SO, 13 BB

LONG OUTING (START): --	MOST K (START): --	SAVE OPPS: 1/3
LONG OUTING (PEN): 2.1, 8/3 @ REA	MOST BB (START): --	INHERITED/STRANDED: 8/6 (75%)
LONG SCORELESS STK: 11.1, 7/27-8/25	MOST K (PEN): 3, 2x, last - 8/11 vs. REA	FIRST BATTER RETIRED %: 17/20 (85%)
EXTRA-INNING UER: 2	MOST BB (PEN): 3, 2x, last - 7/17 vs. TRN	CURVE RECORD WHEN PITCHING: 12-8

- **2019 NOTES:** A member of the Pirates' 40-man roster, made four MLB Spring Training outings and pitched four scoreless outings...Optioned to Triple-A Indianapolis on 3/12...Began the season with the Tribe went 0-3 with a 8.36 ERA in 21 games...Designated for assignment on 5/27 to make room for former Orioles organization teammate Yefry Ramirez, who was acquired in a trade for cash from Baltimore...Outrighted to Triple-A Indianapolis on 6/5...Went 0-3 with a 8.36 ERA in 21 games for Indianapolis...Assigned to Double-A Altoona on 6/22...Made season debut with Curve and threw one scoreless inning on 6/26 @ RIC...Earned first win after throwing scoreless ninth inning on 6/29 vs. BNG (2) before Altoona won, 4-3, in walk-off fashion...Walked in the tying run on 7/4 vs. ERI, one of a season-high three free passes in the eighth inning, and was charged with a blown save before Altoona went on to win on a walk-off double in 10 innings...*First run allowed as a member of the Curve, spanning 15 innings and 13 games from 4/16/18-7/4/2019...Picked up second win on 7/13 @ ERI pitching a scoreless ninth and 10th innings of a 10-7 victory...Charged with second blown save on 7/17 vs. TRN when he inherited a 4-3 lead with one out in the sixth inning and gave up a two-run single to his first hitter gave the Thunder the lead, but Altoona rallied in the eighth for a 6-5 win...Charged with lone losing decision on 7/27 vs. RIC by pitching the 10th and 11th but allowing the placed runner to score (both unearned runs) in each frame of a 6-5 defeat in 11 innings...Retired all seven hitters he faced over a season-high 2.1 innings on 8/3 @ REA...*Did not allow an earned run over 21.1 consecutive innings over 14 games from 7/4-8/25, lowering ERA from 2.08 to 0.38...Held opponents to two hits over first 9.2 innings of August with 11 strikeouts and three walks...Allowed first earned runs since 7/4 on 8/25 @ BOW pitching in the fourth inning and let up a walk, RBI double and RBI single before he sat down his last five hitters in order...Converted lone save of the season on 8/29 vs. AKR, Altoona's final home game...Entered with a 3-0 lead but walked two and allowed two hits, including a two-run single by Oscar Gonzalez to break up the shutout bid, before a strikeout and flyout capped off a four-game sweep of the RubberDucks...In 29 games with Altoona during the 2018-19 seasons, Liranzo went 2-1 with a 1.13 ERA (5 ER/40.0 IP), 42 strikeouts and 21 hits allowed for a .152 opponent batting average...Allowed just 14 hits over 28 innings and held Eastern League hitters to a .146 opponent batting average...Promoted back to Triple-A Indianapolis on 8/31...Made one more outing, pitching three innings on 9/1 @ LOU and allowed two runs on three with four strikeouts...Combined to go 2-4 with a 5.03 ERA in 42 games between Double-A Altoona and Triple-A Indianapolis**

#29 James Marvel Bats: Right Throws: Right 9-5, 3.10 ERA, 83 SO, 24 BB

LONG OUTING (START): 7.2, 6/19 vs. HBG	MOST K (START): 9, 2x, last - 6/19 vs. HBG	SAVE OPPS: --
LONG OUTING (PEN): --	MOST BB (START): 4, 2x, last - 6/8 vs. AKR	INHERITED/STRANDED: --
LONG SCORELESS STK: 20.2, 4/15-5/1	MOST K (PEN): --	FIRST BATTER RETIRED %: --
EXTRA-INNING UER: --	MOST BB (PEN): --	CURVE RECORD WHEN PITCHING: 11-6

- **2019 NOTES:** **2019 PIRATES MINOR LEAGUE PITCHER OF THE YEAR...2019 EASTERN LEAGUE ALL-STAR...**Curve Opening Day starting pitcher...Earned the win after six scoreless, one-hit innings on 4/4 @ AKR and matched a career high with nine strikeouts, the longest scoreless outing with the fewest hits allowed and most strikeouts by an Altoona Opening Day starter...Retired the final 10 batters faced to end the outing...Six innings pitched and nine strikeouts each tied separate Curve records for Opening Day starters...Pitched 5.2 innings and handed losing decision in second start of the season on 4/9 @ ERI and was removed after SeaWolves outfielder Jose Azocar slapped a go-ahead, two-run single into shallow right-center in the sixth inning of a 4-3 loss for Altoona...Lifted after four innings, his shortest start at Double-A at the time, and 82 pitches on 4/15 vs. HBG but struck out six in a no-decision...Threw the first complete-game shutout of his career with seven one-hit innings on 4/20 @ RIC (1) and snapped a six-game losing streak for the Curve...*Named Eastern League Pitcher of the Week on 4/22 after he went 1-0 with a 0.82 ERA over two starts, including a seven-inning, complete-game shutout, between 4/15-4/21...Held the Flying Squirrels off the board over seven innings for the second straight outing to pick up third win on 4/26 vs. RIC...Pitched 20.2 consecutive scoreless innings over four starts from 4/15-5/1 that included the final two outs on 4/15, seven shutout frames in his next two starts and first six innings of his start on 5/1 vs. ERI...Streak ended with three runs allowed in the seventh inning on 5/1 vs. ERI after a hit batter, double and RBI double sequence scored two runs...Ranked fourth in the E.L. with a 1.52 ERA in April while tied for second with three wins...After going 3-1 with a 1.52 ERA in five April starts, went 0-3 with a 9.18 ERA (17 ER/16.2 IP) over first three outings in May...Allowed Double-A-high 10 hits on 5/6 vs. BOW during second straight losing decision...Suffered third straight loss on 5/12 vs. ERI with a career-high-tying eight runs allowed and four walks...Snapped a three-game losing streak with six two-run innings on 5/18 vs. HBG...Handed tough-luck loss during 1-0 game in 10th start on 5/24 @ POR while he held Sea Dogs to two hits and struck out eight but walked three and hit three batters...Started on 5/30 @ TRN and pitched two scoreless inning before the game was suspended due to rain (completed on 7/30)...Racked up seven strikeouts on 6/3 @ ERI and held the SeaWolves to four runs (three earned) over 5.1 innings before the Curve stormed back to win 9-8...Fell one out shy of second complete game effort on 6/8 vs. AKR (2) and departed with the bases loaded in the seventh inning before Blake Weiman earned the final out to finish a 2-1 win for Altoona...Matched a season-best seven innings on 6/13 vs. POR, facing the minimum through three innings and retired his final 10 around a pair of fourth inning runs for sixth win...Took the hill for the Second Half opener on 6/19 vs. HBG and matched a career-best nine strikeouts and pitched a Double-A-high 7.2 innings for third straight win...Won fourth straight start on 6/25 @ RIC with seven one-run innings (a solo homer by Gio Brusa in the second inning) and fanned eight batters...Became the first pitcher at Double-A to reach nine wins on 6/30 vs. BNG, holding Binghamton to one hit after a Barrett Barnes two-run homer in the first inning and retired his final 10 batters through seven innings, his fourth straight start of 7.0+ innings...*Led the Eastern League with five wins, 40.2 innings and 38 strikeouts in June and ranked fifth with a 2.21 ERA...Five winning decisions in June tied franchise record for most wins in a month...Promoted to Triple-A Indianapolis on 7/1...In 22 Double-A appearances in 2018-19, Marvel went 12-6 with a 3.07 ERA (44 ER/125.2 IP)...Over his last nine starts, Marvel went 6-1 with a 2.11 ERA (13 ER/55.1 IP) and 50 strikeouts...At the time of promotion, Marvel led the Eastern League with nine wins, 17 starts, 101.2 innings pitched and 12 ground ball double plays while ranked third with a 3.10 ERA, fourth with 83 strikeouts, tied for second with a 1.07 WHIP and fourth with a .228 batting average against...Nine wins still finished tied for eighth in the E.L. for 2019 season...Made Triple-A debut on 7/5 vs. TOL (2) and pitched a complete-game shutout on three hits and six strikeouts during the second game of a double-header...Won back-to-back six-inning starts with one hit allowed and struck out 16 on 7/18 vs. SYR and 7/24 @ SYR...Set a new career-high with five walks on 8/6 @ NOR and lasted four innings...Went 7-0 with 2.67 ERA in 11 Triple-A starts for Indianapolis and held International League batters to a .214 average...Average International League ERA was 4.90 with a .266 league-wide batting average...*Led Minor League Baseball with 16 wins and 28 starts while he ranked tied for second with two shutouts, tied for fifth with 162.1 innings pitched and tied for eighth with 19 ground ball double plays...Led Pirates minor league system with 136 strikeouts...Also ranked fourth in the organization with a 2.94 ERA, third with a 1.09 WHIP and third with a .219 batting average against...His team went 21-7 in the games he started, including victories in 17 of his last 18 outings...Totalled 18 quality starts...Named Pittsburgh Pirates Minor League Pitcher of the Year, the eighth pitcher to receive the award while spending part of that season with the Curve...Contract purchased by Pittsburgh Pirates on 9/8...Made MLB debut on 9/8 vs. STL at PNC Park and held the Cardinals scoreless over first 4.1 innings...First MLB outing ended on an RBI double by Paul Goldschmidt, who knocked in Kolton Wong after a lead-off walk to start the sixth...Handed losing decision in 2-0 Pirates defeat and threw five-plus innings, allowed two runs on four hits, walked two and struck out a pair...Made four starts for the Pirates and went 0-3 with a 8.31 ERA***

2019 PITCHER NOTES

#46 Nick Mears

Bats: Right Throws: Right

0-0, 1.80 ERA, 7 SO, 2 BB

LONG OUTING (START): --
LONG OUTING (PEN): 2.0, 8/24 @ BOW
LONG SCORELESS STK: 4.0, 8/20-9/1
EXTRA-INNING UER: --

MOST K (START): --
MOST BB (START): --
MOST K (PEN): 3, 8/28 vs. AKR
MOST BB (PEN): 1, 2x, last - 8/28 vs. AKR

SAVE OPPS: --
INHERITED/STRANDED: --
FIRST BATTER RETIRED %: 2/4 (50%)
CURVE RECORD WHEN PITCHING: 1-3

- 2019 NOTES: Began the season on Class A Greensboro's Opening Day roster...Appeared in seven games for the Grasshoppers and held a 3.09 ERA (4 ER/11.2 IP), struck out 19 hitters and allowed just five hits in 11.2 innings...Handed losing decision and was charged with a blown save in season debut on 4/6 vs. HAG after he walked a season-high three hitters, including two walks in the eighth inning to set up a go-ahead, three-run homer by Gilbert Lara...Earned first professional win on 4/23 @ LEX with a scoreless ninth and 10th innings after offense posted five runs in top of the 10th to win 7-2...*Pitched five straight scoreless outings, totaling nine innings between 4/10-4/27 for longest scoreless streak at any level in 2019...*Streak snapped on solo homer by first batter faced on 5/1 vs. ROM...*All four runs allowed with Greensboro were scored on home runs...*Promoted to A-Adv. Bradenton on 5/4...Fired two hitless innings in Marauders debut on 5/4 vs. LAK and earned the win...Earned first professional save on 5/18 @ PMB with a scoreless ninth inning...Charged with first loss with Bradenton on 5/31 @ TAM with a season-high-tying three runs allowed, one on a solo homer in the eighth inning and two more in the bottom of the ninth resulting in a walk-off single by Tampa's Omar Carrizales...*In June, pitched seven scoreless games, spanning 7.2 innings with 13 strikeouts and two hits allowed...*Struck out a career-high five batters on 6/26 @ JUP over two scoreless innings...Hit with a blown save but earned the win on 6/29 @ FTM (1) when an inherited runner scored on a fielding error in the bottom of the seventh before Bradenton rallied for three in the eighth to claim the first game of a double-header...*Pitched 8.2 consecutive scoreless outings from 6/6-7/4, spanning eight games for the longest scoreless streak with Bradenton...7 of first 11 runs allowed between Class A Greensboro and A-Adv. Bradenton were scored on home runs, including five solo homers, through 7/4 vs. FLO...*Allowed a season-high four hits and allowed two runs, all in the ninth inning on 7/13 vs. FTM, to lead to third blown save but struck out three in the ninth and one more in the 10th...Spent 7/23-8/2 on the injured list...Made 23 appearances out of Bradenton's bullpen and held a 4-2 record with a 3.60 ERA, five saves and 43 strikeouts in 30 innings...Promoted to Double-A Altoona on 8/17...Pitched the seventh inning on 8/20 vs. HFD for Double-A debut...Pitched two scoreless innings with first two Double-A strikeouts on 8/24 @ BOW...Pitched a scoreless inning and struck out three straight batters after a lead-off walk on 8/28 vs. AKR...Allowed two unearned runs in final outing of the season on 9/1 @ HBG...*Between Class A Greensboro, A-Adv. Bradenton and Double-A Altoona, Mears went a combined 5-3 with a 3.28 ERA (17 ER/46.2 IP) and struck out 69 batters with 31 hits allowed for a .186 batting average against...13.31 SO/9 IP ratio was the fifth-highest among Pirates minor leaguers...*Held right-handed batters to a .116 average over three levels...Played for Peoria Javelinas in the Arizona Fall League after the season

#30 Shea Murray

Bats: Right Throws: Right

0-0, 162.00 ERA, 0 SO, 1 BB

LONG OUTING (START): --
LONG OUTING (PEN): 0.1, 8/31 @ HBG
LONG SCORELESS STK: --
EXTRA-INNING UER: --

MOST K (START): --
MOST BB (START): --
MOST K (PEN): --
MOST BB (PEN): 1, 8/31 @ HBG

SAVE OPPS: 0/1
INHERITED/STRANDED: 2/0 (0%)
FIRST BATTER RETIRED %: 0/1 (0%)
CURVE RECORD WHEN PITCHING: 0-1

- 2019 NOTES: Opened the season with Class A Greensboro and held opponents to just two runs over seven innings (eight games)...Promoted to A-Adv. Bradenton on 5/4...Appeared in 26 games with a 4.86 ERA and 54 strikeouts in 33.1 innings...Earned first professional win on 6/21 vs. TAM...Also recorded the first six saves of his pro career, beginning with the first of his pro career on 5/26 vs. TAM...Six saves with Bradenton led the team...*Over 16 games from 6/21-8/28, held a 0.75 ERA (2 ER/24 IP) with 40 strikeouts...*Allowed first home run of pro career and only one of the season on 7/24 @ CLR...Made Double-A debut on 8/31 @ HBG and was charged with six runs on five hits, which began with four straight singles prior to a sacrifice fly for only out recorded...Took over for Yeudy Garcia with one out and two runners on and gave way to Angel German with two outs, who allowed a grand slam to score two runners left on by Murray and capped an 11-run inning for Harrisburg...Season-long ERA jumped from 4.46 to 5.75...*Over three levels in the Pirates system, went 1-0 with a 5.75 ERA, six saves and 64 strikeouts over 40.2 innings...*Held hitters to a .215 batting average, including .172 reverse-split against left-handed hitters...14.16 SO/9 IP ratio was fourth-highest among Pirates minor league pitchers...

#29 John O'Reilly

Bats: Right Throws: Right

0-0, 0.00 ERA, 1 SO, 0 BB

LONG OUTING (START): --
LONG OUTING (PEN): 1.0, 9/2 @ HBG
LONG SCORELESS STK: 1.0, 9/2
EXTRA-INNING UER: --

MOST K (START): --
MOST BB (START): --
MOST K (PEN): 1, 9/2 @ HBG
MOST BB (PEN): --

SAVE OPPS: --
INHERITED/STRANDED: --
FIRST BATTER RETIRED %: 0/1 (0%)
CURVE RECORD WHEN PITCHING: 0-1

- 2019 NOTES: Began the season in Pirates Extended Spring Training...Reported to Class A Greensboro on 5/4...Appeared in 20 games for the Grasshoppers and held a 2.15 ERA, 1-2 record and saved three games...Pitched eight scoreless innings (seven games) before allowing four unearned runs on 5/26 @ HIC...Did not allow an earned run over first 9.1 innings from 5/5-5/26...Surrendered a grand slam on 5/30 vs. LWD and was charged for two runs...*8 of first 9 runs (16 total) of the season were scored on four separate home runs...*Allowed one homer in three straight outings from 5/26-6/3...Did not allow another home run over last 16 games after 6/24...Promoted to A-Adv. Bradenton on 7/16 and allowed just one earned run in 19 innings (0.47 ERA)...Struck out a season-best four hitters over two scoreless innings on 8/16 @ LAK...*Pitched 10 consecutive scoreless innings from 8/5-8/29 before promotion to Double-A Altoona on 8/31...*Nailed down second save with Bradenton on 8/29 vs. PMB, the final game of the Florida State League season, which was cut short due to Hurricane Dorian...Promoted to Double-A Altoona on 8/31...Made Double-A debut on 9/2 @ HBG with a scoreless eighth inning of a 1-0 loss, recorded the final outs on the mound for a second Pirates affiliate in 2019...*Overall between Class A Greensboro, A-Adv. Bradenton and Double-A Altoona, went 2-2 with a 1.46 ERA, five saves, 31 strikeouts and 15 walks in 48.1 innings*

#37/39 Cody Ponce

Bats: Right Throws: Right

0-0, 6.00 ERA, 1 SV, 6 SO, 1 BB

LONG OUTING (START): 3.0, 8/10 vs. REA
LONG OUTING (PEN): 2.0, 8/5 vs. RIC
LONG SCORELESS STK: 2.1, 8/2-8/10
EXTRA-INNING UER: --

MOST K (START): 2, 8/10 vs. REA
MOST BB (START): --
MOST K (PEN): 3, 8/5 vs. RIC
MOST BB (PEN): 1, 8/2 @ REA

SAVE OPPS: 1/1
INHERITED/STRANDED: --
FIRST BATTER RETIRED %: 1/2 (50%)
CURVE RECORD WHEN PITCHING: 1-2

- 2019 NOTES: Began the season in Brewers Extended Spring Training...Ranked as the Milwaukee's No. 26 prospect by *Baseball America* at the beginning of the season...First season used exclusively out of the bullpen...Reported to Double-A Biloxi on 5/4...Threw 16 scoreless outings for Shuckers and was 1-0 with a 1.74 ERA through his first 21 outings through 7/5...*Pitched 8.2 consecutive scoreless innings over six games from 5/26-6/13, including four straight two-inning outings from 5/31-6/9...*Traded to the Pirates from the Brewers for RHP Jordan Lyles on 7/29...Assigned to Double-A Altoona on 8/1...Made Pirates organization debut on 8/2 @ REA, pitched the seventh inning and walked one batter and hit another that led to a two-out, two-run double to Mickey Moniak...Retired all six batters he faced with three strikeouts over two innings and notched first Pirates organization save on 8/5 vs. RIC...Converted back to a starter for final five outings of the season...Made first Pirates organization start on 8/10 vs. REA, pitching a then-season-high three innings with two runs allowed, one in the first and a solo homer in the third...Promoted to Triple-A Indianapolis on 8/11...Pitched four innings in a starting role for his Triple-A debut on 8/16 @ LHV (2) and took a losing decision with six runs allowed (four earned) in a 7-2 defeat...Allowed home runs to three straight hitters (Deivy Grullon, Andrew Romine and Austin Listi) in the third inning, the most homers allowed in one outing of his career...Struck out a season-best eight batters, his highest single-game strikeout total since 5/29/17, over five scoreless innings and earned his first Pirates system win in second Triple-A start on 8/21 @ TOL...Pitched season-high 5.2 innings in fourth and final start of the season...*After the trade, went 1-3 with a 5.47 ERA with 26 strikeouts over 24.2 innings between Double-A Altoona and Triple-A Indianapolis...*Over 34 total outings for Double-A Biloxi, Altoona and Triple-A Indianapolis, Ponce was 2-6 with a 4.14 ERA and struck out 70 hitters in 63 innings while holding a .232 batting average against...Ranked as the Pirates' No. 30 prospect by *Baseball America* at the end of the season...Played for Peoria Javelinas in the Arizona Fall League after the season

#36 Domingo Robles

Bats: Left Throws: Left

4-6, 4.02 ERA, 77 SO, 21 BB

LONG OUTING (START): 9.0, 8/26 vs. AKR
LONG OUTING (PEN): --
LONG SCORELESS STK: 13.0, 8/21-8/31
EXTRA-INNING UER: --

MOST K (START): 9, 8/21 vs. HFD
MOST BB (START): 3, 2x, last - 7/24 vs. ERI
MOST K (PEN): --
MOST BB (PEN): --

SAVE OPPS: --
INHERITED/STRANDED: --
FIRST BATTER RETIRED %: --
CURVE RECORD WHEN PITCHING: 7-11

- 2019 NOTES: Began the season with A-Adv. Bradenton...Opening Day starting pitcher for the Marauders on 4/4 @ STL and led a 1-0 shutout victory over the Mets with six scoreless, two-hit innings on 68 pitches...Started season opener for third time in his career, joining 2017 for Rookie-level Bristol and Class A West Virginia in 2018...Lost back-to-back starts on 4/9 @ CHA and 4/14 @ DUN, allowing eight of his 22 total runs in those two starts while racking up 13 strikeouts over 11 innings...*Led the Florida State League with 62 innings pitched and tied for the most wins (5) at the time of his promotion to Double-A Altoona on 5/28...*Also ranked fifth in the FSL with a 2.61 ERA, third with a .203 batting average against, fourth with a 1.00 WHIP and tied for first with 10 starts...*Rolled to seven straight quality starts from 4/19-5/23, going a combined 4-3 with a 2.00 ERA (10 ER/45 IP) in last seven start for Marauders...*Made Double-A debut on 5/28 @ TRN and pitched five innings, remaining in the game during a 25-minute rain delay in the top of the fourth, and struck out six...Allowed one unearned run in the first inning due to a passed ball and single runs in the fourth and fifth but departed with a 5-3 lead but was handed a no-decision when Trenton put together a comeback win...Turned in first Double-A quality start (3 ER/6 IP) during first home start at PNG Field on 6/2 vs. NHM but took a losing decision during a 4-1 loss...Fired a seven-inning, complete-game shutout on 77 pitches, four hits, three strikeouts and no walks on 6/8 vs. AKR (1) for his first Double-A win...*Held a 2.50 ERA (5 ER/18.0 IP) over first three Double-A starts...*Failed to complete five innings for the first time at any level in 2019 on 6/14 @ BNG when he needed 101 pitches to get through 4.2 but limited the Rumble Ponies to two runs in a 6-2 Curve win...Allowed solo home runs in each of the first three innings on 6/21 @ HFD and departed after four innings, his second straight start failing to finish five frames...After turning in his two shortest starts of the season from 6/14-21 with a 5.91 ERA (7 ER/10.2 IP), bounced back with his third quality start and second Double-A win on 6/27 vs. BNG...Allowed two runs in the game and a solo homer to Barrett Barnes in the sixth but was backed up by a four-run third by the offense while also connecting on first career base hit earlier in the game...Threw 19 pitches over two scoreless before he needed 31 tosses in the fourth and was lifted after 2.1 innings, the second shortest start of his career, and was charged with five runs on 7/2 @ AKR...Allowed one unearned run in the first of a five-inning no-decision on 7/7 vs. ERI, the last game before the E.L. All-Star Break...Allowed two runs in the first inning and two in the third frame on 7/14 @ ERI but did not allow another hit after the third, retiring 11 of his last 12 and departed in line for the win before Erie rallied in the eighth to win, 6-5...Hit with a season-high eight runs on 7/19 @ BOW, including seven in the fifth...*Over seven starts from 6/14-7/19, Robles went 1-2 with a 6.61 ERA (24 ER/32.2 IP) with batters hitting .326 against him...*Over final eight starts of the year (7/24-8/31), he rebounded by going 2-3 with a 2.92 ERA (17 ER/52.1 IP), struck out 41 and held hitters to a .255 average...Matched a then-season-best seven innings pitched on 7/24 vs. ERI and held Erie to three runs, all on a solo homer in the second and a two-run homer in the sixth...Took a 3-2 into the bottom of the seventh on 7/30 @ TRN and recorded first out on his fifth strikeout but allowed back-to-back singles before Kyle Holder ripped a walk-off, two-run double to charge Robles with third straight losing decision...Broke three-game losing streak with a no-decision in which he threw five innings and allowed a pair of two-run homers during the third inning to Luke Williams and Darick Hall on 8/4 @ REA...Pitched seven scoreless innings to lead a 1-0 shutout win on 8/9 vs. REA, working around seven hits and baserunners in every inning...Tied a career high with 11 hits allowed over six four-run innings on 8/16 vs. BOW during his sixth loss...Matched a career-high with nine strikeouts and seven innings pitched on 8/21 vs. HFD, holding the Yard Goats scoreless over the first 6.2 innings of the night...*Pitched a nine-inning, complete-game shutout on 95 pitches, allowed five hits, struck out five and walked one on 8/26 vs. AKR...*Set a new career-high for innings pitched Retired last 10 batters in order for his second shutout of the season...*Performance was the 17th individual nine-inning, complete-game shutout in Curve history and the second in the span of four days (Sean Brady on 8/23 @ BOW)...*Fourth player in franchise history to pitch multiple complete-game shutouts in the same season, joining Stephen Sparks in 2000, Ian Snell in 2004 and Tom Gorzelanny in 2005 (one in the playoffs)...Made final start of the season on 8/31 @ HBG and struck out six over five one-run innings in which he required 64 pitches...*Compiled a season-high 13-inning scoreless streak over three starts from 8/21-8/31...*Went 2-0 with a 0.86 ERA (2 ER/21 IP) and struck out 20 during last three starts of the year...*Named Eastern League Pitcher of the Week for the final week of the regular season (8/26-9/2) with a 0.64 ERA (1 ER/14 IP), 14 strikeouts and one walk...*Ranked eighth in the E.L. with a 2.31 ERA in August/September...Held a 3.71 ERA after the E.L. All-Star Break...Went 4-3 with a 2.10 ERA (14 ER/60 IP) in nine home starts at PNG Field versus 0-3 with a 6.70 ERA (32 ER/43 IP) in other E.L. ballparks...Between Double-A Altoona and A-Adv. Bradenton, Robles went 9-11 with a 3.49 ERA and struck out 124, walked 36 and held hitters to a .252 average...Two shutouts were tied for second in Minor League Baseball and was one of six pitchers with multiple shutouts...Led the Eastern League and Double-A level with three complete games, second-most during a season by a pitcher in club history, and also ranked tied for second in the Minors...165 innings led the Pirates system and ranked third-most among all pitchers in the Minors...124 strikeouts ranked third in Pittsburgh's minor league system while 3.48 ERA ranked 11th, 1.19 WHIP was ninth-best and .250 batting average against ranked 10th

2019 PITCHER NOTES

#18 Tate Scioneaux

Bats: Right Throws: Right

1-1, 12.75 ERA, 1 SV, 16 SO, 6 BB

LONG OUTING (START): --
LONG OUTING (PEN): 2.0, 5/5 @ RIC
LONG SCORELESS STK: 3.0, 5/2-5/5
EXTRA-INNING UER: --

MOST K (START): --
MOST BB (START): --
MOST K (PEN): 3, 5/5 @ RIC
MOST BB (PEN): 2, 4/5 @ AKR

SAVE OPPS: 1/2
INHERITED/STRANDED: 2/0 (0%)
FIRST BATTER RETIRED %: 7/13 (54%)
CURVE RECORD WHEN PITCHING: 7-6

- **2019 NOTES:** Member of Altoona's Opening Day roster for the third season in a row...Made season debut on 4/5 @ AKR and allowed a solo homer to first batter faced (Daniel Johnson) during eighth inning before recording two strikeouts and two walks for first hold of the campaign...Winning pitcher during Altoona's home opener on 4/11 vs. AKR after he threw a five-pitch, scoreless top of the 12th inning before a walk-off victory the next half inning...Failed to record an out on 4/13 vs. AKR (2) and was tagged for six runs on five hits during an eight-run sixth inning, suffering first loss and blown save of the season...Bounced back with a perfect inning that featured a strikeout on 4/17 vs. HBG...Made 100th appearance as a Curve pitcher and logged season-high two scoreless innings with season-high three strikeout on 5/5 @ RIC... Allowed four runs in 0.2 innings on 5/8 vs. BOW...Earned first save of season in 2-1 win on 5/11 vs. ERI, his 22nd save for the Curve to move into a tie for fifth place in franchise history...Surrendered a solo homer to his first batter faced on 5/14 @ BNG before he recorded the final two outs of the sixth inning...Placed on the 7-day injured list with a left ankle sprain on 5/16...Activated and released by the Pirates on 6/21...Signed by the Colorado Rockies as a minor league free agent on 6/22 and assigned to Double-A Hartford on 6/24...Pitched for the Yard Goats for the remainder of the season and went 4-1 with a 3.49 ERA in 20 games, struck out 38 and walked just five in 28.1 innings...Pitched three scoreless outings to start Rockies organization career before he allowed nine runs over his following four games...*Threw a season-high 15.1 straight scoreless innings over 11 games from 7/13-8/21*...Pitched at PNG Field as a visitor for the first time on 8/19 @ ALT and turned in a scoreless, six-pitch inning that he got a pop out, allowed a one-out single and rolled an inning-ending double play...Pitched against the Curve for the second time in three-game series on 8/21 @ ALT and allowed his final two runs of the season on RBI doubles by Chris Sharpe and Oneil Cruz...Totalled 4.2 scoreless innings in last three outings of the season...*Went 5-2 with a 6.25 ERA in 33 games and struck out 54 in 40.1 innings between Double-A Altoona and Double-A Hartford*

#27 Beau Sulser

Bats: Right Throws: Right

8-3, 2.72 ERA, 2 SV, 63 SO, 31 BB

LONG OUTING (START): 6.0, 2x, last - 8/30 @ HBG
LONG OUTING (PEN): 5.0, 2x, last - 8/6 vs. RIC
LONG SCORELESS STK: 16.0, 4/6-5/6
EXTRA-INNING UER: --

MOST K (START): 6, 8/30 @ HBG
MOST BB (START): 4, 8/25 @ BOW
MOST K (PEN): 4, 3x, last - 6/24 @ RIC
MOST BB (PEN): 2, 6x, last - 8/15 @ HBG

SAVE OPPS: 2/3
INHERITED/STRANDED: 8/5 (63%)
FIRST BATTER RETIRED %: 21/27 (78%)
CURVE RECORD WHEN PITCHING: 16-17

- **2019 NOTES:** **2019 EASTERN LEAGUE ALL-STAR...2019 ALTOONA CURVE CO-PITCHER OF THE YEAR...**Began the season on A-Adv. Bradenton roster but did not pitch...Assigned to Double-A Altoona on 4/6 and earned the win in Double-A debut after 2.1 hitless innings of a 2-0 Curve victory...Fired a scoreless seventh and picked up second win on 4/20 @ RIC (2) as the Curve won, 1-0, in extra innings...*Did not allow a hit over first 10 innings, spanning six outings*...First hit was with two outs in second of two scoreless innings on 4/24 @ HBG...*After 16 scoreless innings to start the season, allowed a solo homer to Ademar Rifaela on 5/6 vs. BOW*...Logged 3.1 scoreless frames and picked up fourth win on 5/10 vs. ERI, which dropped ERA to 0.44...*After working a 1-2-3 second inning of relief on 5/14 @ BIN (2), he belted a solo home run to lead off the third that accounted for Altoona's lone run in a 5-1 loss...His homer was the first by a Curve pitcher since Alex McRae on 4/30/17 vs. HBG and the seventh all time*...Pitched a then-season-high four scoreless innings on 5/25 @ POR and retired his final eight batters...*Allowed just two runs on 13 hits over first 13 games (29.1 innings) of Double-A career from 4/6-5/25...ERA went above 1.00 (1.61) for first time on the season after he allowed three runs on a career-high-tying eight hits in three innings on 5/31 @ NHM*...Earned first Double-A save with three scoreless innings to combine with Pedro Vasquez for shutout in 3-0 win on 6/4 @ ERI... Matched a career-best five innings pitched on 6/11 vs. POR and allowed one run after he entered in the second inning...*Picked up winning decisions in 3 of 4 outings between 6/18-7/1 to improve to 7-0*...Knocked in the go-ahead RBI and reached on a fielder's choice to break a 2-2 tie on 6/24 @ RIC to help earn his sixth winning decision...Announced as one of five additions to the Eastern League All-Star Game on 7/2...Worked three scoreless innings, earned second save and combined with Brandon Waddell on 3-0 shutout win on 7/5 vs. ERI...*Went 7-0 with a 1.33 ERA in 21 games and 5.41 innings prior to the E.L. All-Star Break*...Had the second-lowest ERA in the E.L. among pitchers with at least 50 innings pitched prior to the break (Casey Mize, 1.21)...Entered in the seventh inning and retired the only two batters he faced in the Western division's 5-0 win in the EL All-Star Game on 7/10...*Threw 10 straight scoreless innings over five outings from 6/28-7/16*...After a 1-2-3 seventh inning on 7/16 vs. TRN, hit with two runs with two outs in the eighth to lift the Thunder to a 4-2 win, resulting in his first Double-A loss...Made spot-start on 7/20 @ BOW, his first start since 8/28/17, and allowed a season-high four runs...Pitched in relief on 7/24 vs. ERI and allowed a season-high four runs in second straight outing and was removed after recording two outs of the eighth inning...*Between 7/16-7/24, allowed 10 earned runs in three outings (one start) over 6.2 innings (13.50 ERA) after letting up eight runs total over his first 22 games of the season (56.1 IP)*...Made second start of the season on 7/27 vs. RIC and allowed one unearned run in the first inning on two hits but did not let up another hit, struck out five and walked two hitters in four innings...Matched a career-high five innings in back-to-back outings on 8/1 @ TRN (starter) and 8/6 vs. RIC (relief after suspended game was resumed on 8/7)...Set a new career-high with six innings pitched on 8/20 vs. HFD and limited Yard Goats to two runs (one earned) on seven hits in first career quality start...Walked a career-high four hitters with zero strikeouts in three-inning start on 8/25 @ BOW...Struck out a season-best six batters in final start of the year on 8/30 @ HBG, going six innings and allowed four runs (three earned)...*Went 1-3 with a 4.54 ERA in 12 games (six starts) after the All-Star Break...Went 7-1 with a 2.25 ERA in 27 relief outings and worked multiple innings in 23 of those appearances...As a starter, Sulser was 1-2 with a 3.86 ERA and threw two quality starts in six trips through the rotation...Held a 2.23 ERA in 17 road games versus a 3.21 ERA in 16 games at PNG Field*...Named 2019 Altoona Curve Co-Pitcher of the Year along with Pedro Vasquez...Led Curve pitchers with three hits, four RBIs and one homer with a .273 (4/11) average at the plate...2.72 ERA was the best among Pirates minor league pitchers that threw at least 75 innings...Played for Peoria Javelinas in the Arizona Fall League after the season

#43 Ryan Valdes

Bats: Right Throws: Right

0-0, 9.00 ERA, 2 SO, 2 BB

LONG OUTING (START): --
LONG OUTING (PEN): 2.0, 5/27 @ POR
LONG SCORELESS STK: 2.0, 5/27
EXTRA-INNING UER: --

MOST K (START): --
MOST BB (START): --
MOST K (PEN): 2, 5/27 @ POR
MOST BB (PEN): 2, 5/27 @ POR

SAVE OPPS: --
INHERITED/STRANDED: --
FIRST BATTER RETIRED %: 1/1 (100%)
CURVE RECORD WHEN PITCHING: 0-1

- **2019 NOTES:** Began the season with A-Adv. Bradenton...Made season debut on 4/5 and threw 1.2 hitless, scoreless innings...Did not allow a run over first eight outings, spanning 11.1 innings in April...Allowed seven earned runs combined in two outings on 5/13 @ FTM and 5/16 vs. FTM to balloon ERA from 2.20 to 5.12...Went 1-0 with a 4.87 ERA in first 14 games with Bradenton before he was promoted to Double-A Altoona on 5/27...Made Double-A debut on 5/27 @ POR, pitching two scoreless innings before four straight singles led to two runs during his third inning of relief...Assigned back to A-Adv. Bradenton for the remainder of the season on 5/31...Allowed five runs over first three outings back with Bradenton before five straight shutout outings...Landed on the 7-day injured list with a right shoulder strain from 6/19-7/13... Also spent 8/2-8/17 and 8/22 through the end of the season on the injured list...Between A-Adv. Bradenton and Double-A Altoona, Valdes was 2-2 with a 6.98 ERA in 24 outings and recorded a pair of saves

#26 Pedro Vasquez

Bats: Right Throws: Right

8-5, 2.71 ERA, 91 SO, 29 BB

LONG OUTING (START): 8.0, 8/17 vs. BOW
LONG OUTING (PEN): 1.0, 4/5 @ AKR
LONG SCORELESS STK: 12.2, 5/19-6/15
EXTRA-INNING UER: --

MOST K (START): 8, 6/9 vs. AKR
MOST BB (START): 3, 3x, last - 9/1 @ HBG
MOST K (PEN): --
MOST BB (PEN): --

SAVE OPPS: --
INHERITED/STRANDED: --
FIRST BATTER RETIRED %: 1/1 (100%)
CURVE RECORD WHEN PITCHING: 13-11

- **2019 NOTES:** **2019 EASTERN LEAGUE ALL-STAR...2019 ALTOONA CURVE CO-PITCHER OF THE YEAR...**Member of Altoona's Opening Day roster...Made season debut on 4/5 @ AKR and pitched in relief with a scoreless seventh inning...Made first start and earned first win on 4/8 @ ERI after holding SeaWolves to one run through five innings...Departed with a lead after five innings on 4/13 vs. AKR (2) before Curve bullpen allowed eight runs in the sixth inning of a 10-7 loss...Retired the first 14 hitters before finishing six scoreless, one-hit innings in a no-decision on 4/20 @ RIC (2)...Allowed a five runs on eight hits over five innings in a no-decision on 4/27 vs. RIC... Made fifth straight start of at least five innings on 5/2 @ RIC and earned second win of the season after holding Squirrels to one run...Picked up second straight win and third overall on 5/7 vs. BOW surrendering only a Carlos Perez two-run homer over six innings...Handed first loss of the year on 5/14 @ BNG (1) and with six runs allowed (five earned) over 5.1 innings...Promoted to Triple-A Indianapolis on 5/25 and made Triple-A debut at Columbus in relief after Pirates reliever Keone Kela threw the first inning on MLB rehab...After three scoreless innings, recorded one out and allowed eight runs in the fifth and handed the losing decision...In second Triple-A outing, retired his first eight batters in a starting role before he allowed his only hit of the game and faced the minimum through the remainder of his six scoreless innings for the win...Assigned back to Double-A Altoona on 5/31...Threw six scoreless innings for his fourth win in first start back on 6/4 @ ERI...Allowed his lone hit to the first hitter of the game, Ernie Clement, on 6/9 vs. AKR before he finished six scoreless innings by retiring his final 16 hitters with a season-best eight strikeouts, his highest total at Double-A...Logged a season-high seven innings on 6/15 @ BNG with one run allowed in the first inning on a lead-off triple by Andres Gimenez and an RBI ground out...*Pitched a season-long 12.2 straight scoreless innings over four Double-A starts from 5/19-6/15...Combined with his Triple-A time, Vasquez threw 18.1 straight scoreless innings over four starts from 5/30-6/15*...No-hit Hartford through 4.2 innings on 6/22 @ HFD before a Tyler Nevin single and a two-out error by first baseman Jerrick Suiter extended the inning for Bret Boswell's three-run, go-ahead home run...Resulted in three unearned runs on Vasquez, who got through six innings and was taken off the hook for the loss after Chris Sharpe's game-tying, two-run homer in the seventh...Spun fifth straight quality start on 6/28 vs. BNG and departed with a one-run lead but Binghamton charged back late against the bullpen to win, 7-5...*Led the Eastern League with a 0.87 ERA and 0.74 WHIP while going 3-0, held hitters to a 1.80 opponent batting average and struck out 30 in 31 innings over five June starts*...Allowed go-ahead, two-run homer to Nellie Rodriguez during sixth inning on 7/3 @ AKR before the Curve rallied for four runs in the eighth to win, 6-4...Pitched a 1-2-3 third inning for the Western Division in the 2019 Eastern League All-Star Game to help a 5-0 shutout win for the West at The Diamond in Richmond, Va...In first start after All-Star Break, removed due to elbow discomfort in the third inning on 7/15 vs. TRN after he allowed two runs in 2.1 innings and walked two hitters...Skipped over in the rotation without a trip to the injured list...Returned on 7/25 vs. RIC and exited with two outs in the fourth after throwing 81 pitches, allowing two runs and took the losing decision in a 3-1 loss...Took second straight loss despite a complete-game, two-run effort on 8/1 @ TRN (1) but was on the wrong end of Brian Keller's no-hitter for Trenton...Limited to two one-hit innings on 8/6 vs. RIC due to game suspended to rain in the middle of the second inning...Pitched season-high eight scoreless innings on 8/17 vs. BOW, the longest start of his career since he threw eight innings on 7/30 @ KC for Class A Clinton in the Mariners organization, for seventh win of the season and lowered ERA to 2.69...Allowed two runs in the first and second innings, laboring through 33 pitches in the second to lead to shortened, two-inning appearance for fourth loss...Bounced back with seven scoreless innings with three hits allowed and led a 3-0 shutout on 8/27 vs. AKR...*Fired four scoreless innings on 9/1 @ HBG before a lead-off walk, wild pitch and RBI single snapped 11.2 scoreless inning mark from 8/22-9/1*...Finished final start of the season with seven one-run innings but took five loss of the year in 3-0 Curve loss on 9/1 @ HBG...*Finished fourth in the Eastern League with a 2.71 ERA and sixth in opponent batting average (.233) and WHIP (1.11)*...Ranked fifth in Double-A with a 2.71 ERA...91 strikeouts led the Altoona pitching staff...Eight wins also ranked tied for 11th in the E.L. and were second-most on the team...*Between Double-A Altoona and Triple-A Indianapolis, Vasquez had a 9-6 record and 3.06 ERA in 26 games (24 starts) while holding opponents to a .231 average...3.06 ERA over both levels ranked fifth in the Pirates organization, finished tied for fourth with a 1.11 overall WHIP and seventh with a .231 batting average against*...2.71 ERA ranked as the seventh-lowest by a Curve pitcher to throw at least 100 innings in a season and the 10th pitcher to finish a season with 100+ innings and a sub-3.00 ERA

2019 PITCHER NOTES

#34/36 Cam Vieaux	Bats: Left Throws: Left	4-4, 2.23 ERA, 59 SO, 29 BB
LONG OUTING (START): 7.1, 8/29 vs. AKR	MOST K (START): 10, 2x, last - 8/29 vs. AKR	SAVE OPPS: --
LONG OUTING (PEN): --	MOST BB (START): 4, 3x, last - 8/24 @ BOW	INHERITED/STRANDED: --
LONG SCORELESS STK: 20.1, 5/22-8/24	MOST K (PEN): --	FIRST BATTER RETIRED %: --
EXTRA-INNING UER: --	MOST BB (PEN): --	CURVE RECORD WHEN PITCHING: 8-5

- 2019 NOTES: Member of Altoona's Opening Day roster...Made 2019 season debut on 4/6 @ AKR and threw 4.2 scoreless innings...Removed with two outs in the fifth after he required 90 pitches to face 16 hitters...Received the start in Altoona's home opener on 4/11 vs. AKR...Extended scoreless streak to start the season to 10.2 innings after six one-hit frames...*Threw a total of 11.2 scoreless innings to start the season...*Allowed first runs of the season in second inning of third start on 4/17 vs. HBG, which came on a two-run homer by Ian Sagdal during a 2-0 Curve loss...Completed six innings and struck out seven despite losing decision...After four scoreless innings to start his outing on 4/23 @ HBG, allowed four in the fifth including a go-ahead, three-run homer by Ian Sagdal...Threw seven, one-run innings on 4/29 vs. ERI but was on the losing end of Casey Mize's no-hitter in his Double-A debut for Erie...Earned first win of the season on 5/4 @ RIC behind eight runs of support, nearly matching the nine total runs of offensive support in his first five starts of the season...After making shortest Double-A start of 3.2 innings on 5/8 vs. ERI, bounced back with a career-high-tying seven innings on 5/16 vs. HBG and held the Senators to one unearned run for second win...Struck out a career-high 10 batters over six, two-run frames but was handed third loss of the year during a 2-1 defeat on 5/22 @ NHM...Ranked sixth in the E.L. with a 2.86 ERA at the time of his promotion to Triple-A...Promoted to Triple-A Indianapolis on 5/27 and made debut @ COL, picking up the win with two runs allowed over five inning despite setting a career-high with five walks...*Walked 16 in first four starts at Triple-A from 5/27-6/12...Went 2-0 with a 3.82 ERA (13 ER/30.2 IP) through first six Triple-A starts from 5/27-6/26...*Allowed eight homers over three starts from 7/15-26...*In six July starts, went 2-2 with a 7.43 ERA (22 ER/26.2 IP)...*Threw five scoreless innings, first scoreless start with Indians, on 8/8 @ NOR...Assigned to Double-A Altoona on 8/9...In his first start back with Altoona, threw six scoreless innings, holding Senators to two hits and walked four on 8/14 @ HBG...Threw second straight scoreless start on 8/19 vs. HFD and matched a career-high seven innings for the 13th time in his pro career...Pitched 5.2 hitless innings on 8/24 @ BOW before a pair of two-out walks and a three-run homer by Carlos Perez ended the no-hit bid, shutout and erased a 2-0 Curve lead...Home run by Perez accounted for only runs Vieaux allowed in August...*Pitched 20.1 scoreless innings at Double-A from 5/22-8/24 and 24.1 straight scoreless frames between Triple-A and Double-A from 7/31-8/24...*Did not allow a run over a new career-best 7.1 innings and fanned 10 batters for the second time in 2019 on 8/29 vs. AKR, Altoona's final home game of the season...First Altoona pitcher with multiple 10-strikeout games in the same season since Tyler Glasnow in 2015 and the sixth all-time...*Over final four starts of the season with Altoona, Vieaux went 2-1 with a 1.03 ERA (3 ER/26.1 IP) and 22 strikeouts...Finished with a 2.23 ERA for Double-A Altoona, ranking as the fifth-lowest single-season ERA in franchise history (minimum 75 innings pitched)...*Held a 1.43 ERA (7 ER/44 IP) in seven starts at PNG Field...Owns a 10-3 record and 1.99 ERA (21 ER/95 IP) in 15 career starts at PNG Field...Held opponents to a .201 batting average...In three starts against Akron, did not allow a run over 18 innings and held the Rubber-Ducks to five hits...*Between Double-A Altoona and Triple-A Indianapolis, Vieaux went 8-6 with a 3.50 ERA in 26 starts...Ranked 12th in the organization with a 3.50 ERA, tied for fourth with 120 strikeouts, fifth with 138 innings pitched and sixth with a .229 opponent batting average*

#28 Brandon Waddell	Bats: Left Throws: Left	3-1, 2.23 ERA, 42 SO, 9 BB
LONG OUTING (START): 6.0, 3x, last - 7/22 vs. ERI	MOST K (START): 8, 7/17 vs. TRN	SAVE OPPS: --
LONG OUTING (PEN): --	MOST BB (START): 3, 7/17 vs. TRN	INHERITED/STRANDED: --
LONG SCORELESS STK: 17.0, 6/29-7/17	MOST K (PEN): --	FIRST BATTER RETIRED %: --
EXTRA-INNING UER: --	MOST BB (PEN): --	CURVE RECORD WHEN PITCHING: 6-1

- 2019 NOTES: Began the season with Triple-A Indianapolis...Regarded by *Baseball America* as having the "Best Change-Up" in the Pirates' system for the third straight season...Pitched exclusively in relief over 21 outings with the Indians...First true bullpen experience of his lifetime career...After starting all 53 career games in college, had not thrown fewer than 3.0 innings in relief prior to promotion to Triple-A on 5/30/18, when he threw three games out of the Tribe bullpen from 6/17/18-6/24/18 and returned to rotation for the remainder of the season...Made season debut on 4/6 @ COL and allowed three runs due to three walks and one hit over 1.1 innings...Bounced back with scoreless relief in three of his next four games...Worked ERA down to a season-low 5.54 with back-to-back scoreless outings on 4/28 @ CHA and 5/1 vs. COL...Allowed five runs in 0.2 innings on 5/4 vs. LOU...Allowed multiple runs in seven appearances compared to 10 scoreless outings...Gave up at least one run in each of his last three appearances, including 10 runs, nine earned, over 3.2 innings in his last two Triple-A outings...Assigned to Double-A Altoona on 6/18 and converted back to a starter...Made first start of the season on 6/18 vs. HBG with a season-best five strikeouts and needed just 46 pitches to complete four innings with one run allowed during the third...Made a second four-inning start on 6/24 @ RIC, allowing two runs in the second inning, struck out four and came through at the plate with a single in third inning...Lengthened out to five innings on 6/29 vs. BNG (1) and allowed an unearned run in the first inning before one more passed in the fifth during a 2-1 defeat...Pitched a season-high six innings and fanned a then-season-best seven batters on 7/5 vs. ERI to lead a 3-0 shutout victory...Threw second straight six-inning, seven-strikeout outing without a run allowed on 7/12 @ ERI for second straight win...*Worked 17 consecutive scoreless innings from 6/29 (1)-7/17...*Departed his start on 7/17 vs. TRN with a season-high eight strikeouts and a 4-3 lead but reliever Jesus Liranzo allowed two inherited runners to score on a single by his first batter to lose the lead...Faced Erie for the third time on 7/22 and pitched six more scoreless innings and struck out six...Pitched a total of 18 scoreless innings over three starts against the SeaWolves in July...*Led the Eastern League with 42 strikeouts and ranked fourth with a 2.23 ERA and .216 batting average against during his seven-start stint with Altoona...*Assigned back to Triple-A Indianapolis on 7/23...Handed a losing decision in first three starts back with the Tribe from 7/28-8/9 and held a 12.79 ERA (18 ER/12.2 IP)...Earned wins in 2 of 3 starts with six one-run innings on 8/14 vs. ROC and six scoreless innings on 8/24 vs. LOU...*In 36 games (14 starts) between Double-A Altoona and Triple-A Indianapolis, Waddell went 6-8 with a 6.29 ERA and 111 strikeouts in 97.1 innings...10.3 SO/9 IP ratio was the highest of his professional career and 111 punch outs ranked eighth in the Pirates system*

#44 Blake Weiman	Bats: Left Throws: Left	1-2, 1.86 ERA, 2 SV, 24 SO, 4 BB
LONG OUTING (START): --	MOST K (START): --	SAVE OPPS: 2/2
LONG OUTING (PEN): 2.0, 4x, last - 5/31 @ NHM	MOST BB (START): --	INHERITED/STRANDED: 6/5 (83%)
LONG SCORELESS STK: 10.1, 5/17-6/13	MOST K (PEN): 3, 5x, last - 5/31 @ NHM	FIRST BATTER RETIRED %: 13/16 (81%)
EXTRA-INNING UER: --	MOST BB (PEN): 2, 5/14 @ BNG	CURVE RECORD WHEN PITCHING: 10-6

- 2019 NOTES: Started the season in Pirates extended spring training...Assigned to Double-A Altoona on 4/22...Made season debut with scoreless inning on 4/24 @ HBG...Allowed two unearned runs and suffered loss on 4/27 vs. RIC...Picked up first win after two scoreless innings and struck out the side in the ninth on 5/3 @ RIC as the Curve completed a comeback, 10-7 win...Struck out the side in scoreless eighth inning on 5/10 vs. ERI...Loaded the bases with no outs on career-high-tying two walks and a sacrifice bunt single before he picked up two outs and gave up a walk-off grand slam to Pat Mazeika in 5-1 loss on 5/14 @ BNG (2)...Walk-off grand slam accounted for all four earned runs allowed with the Curve in 2019...Recorded first Double-A save with 1-2-3 ninth inning on 5/19 vs. HBG...*Did not allow a hit over 6.1 innings and four appearances from 5/19-5/31...*Entered in relief of James Marvel with the bases loaded and two outs on 6/8 vs. AKR (2) and struck out Wilson Garcia to preserve a 2-1 win and earned up his second save in a double-header sweep...*Did not allow a run over his last nine outings, a season-long scoreless streak that totalled 10.1 innings, 12 strikeouts, one walk and just five hits allowed from 5/17 until his promotion to Triple-A Indianapolis on 6/18...*Held Eastern League hitters to a .164 batting average...Made his Triple-A debut on 6/19 @ BUF with a scoreless inning...Allowed one run in 6 of last 7 Triple-A outings...Had two stints on the 7-day injured list from 7/12-8/1 and 8/4 until the end of the season with left shoulder tendonitis...Went 1-3 with a 2.90 ERA in 24 outings between Double-A Altoona and Triple-A Indianapolis with 34 strikeouts and eight walks

2019 STREAKS/PITCHING SUPERLATIVES

7+ STRIKEOUTS GAMES	15+ INNING SCORELESS STREAKS	E.L. PITCHER OF THE WEEK AWARDS
James Marvel (9), 4/4 @ AKR Cam Vieaux (7), 4/17 vs. HBG Dario Agrazal (8), 4/22 @ HBG Cam Vieaux (10), 5/22 @ NH James Marvel (8), 5/24 @ POR James Marvel (7), 6/3 @ ERI Pedro Vasquez (8), 6/9 vs. AKR James Marvel (9), 6/19 vs. HBG	Pedro Vasquez (7), 6/22 @ HFD James Marvel (8), 6/25 @ RIC Pedro Vasquez (7), 6/28 vs. BNG Brandon Waddell (7), 7/5 vs. ERI Brandon Waddell (7), 7/12 @ ERI Cody Bolton (8), 7/28 vs. RIC Domingo Robles (9), 8/21 vs. HFD Cam Vieaux (10), 8/29 vs. AKR	James Marvel, 4/15-21 Domingo Robles, 8/26-9/2

SHUTOUTS BY CURVE	18	SHUTOUTS BY OPPONENTS	13
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Date	Score	Hits	Pitcher(s)
4/4 @ AKR	5-0	2	Marvel, Campos, Hightower, Eckelman
4/6 @ AKR	2-0	4	Vieaux, Sulser, German, Eckelman
4/20 @ RIC (1)	2-0	1	Marvel
4/20 @ RIC (2)	1-0	1	Vasquez, Sulser, Eckelman
4/26 vs. RIC	7-0	4	Marvel, Brentz, Compose
5/30 @ TRN	6-0	7	Marvel, Garcia, Liranzo
6/4 @ ERI	3-0	8	Vasquez, Sulser
6/8 vs. AKR (1)	6-0	4	Robles
7/5 vs. ERI	3-0	5	Waddell, Sulser
7/12 @ ERI	1-0	5	Waddell, Cederlind, Eckelman
8/8 vs. RIC	2-0	5	Bolton, Holmes, German, Cederlind
8/9 vs. REA	1-0	9	Robles, Cederlind, Eckelman
8/14 @ HBG	3-0	2	Vieaux, Liranzo, Cederlind
8/17 vs. BOW	5-0	5	Vasquez, Eckelman
8/19 vs. HFD	3-0	4	Vieaux, Liranzo, Eckelman
8/23 @ BOW	7-0	7	Brady
8/26 vs. AKR	5-0	5	Robles
8/27 vs. AKR	3-0	4	Vasquez, Liranzo, Eckelman

Date	Score	Hits	Pitcher(s)
4/13 vs. AKR (1)	7-0	4	Plesac, Angulo
4/17 vs. HBG	2-0	4	Sharp, Condra-Bogan, Baez
4/22 @ HBG	1-0	6	Crowe, Baez, Barrett
4/29 vs. ERI	1-0	0	Mize
5/5 @ RIC	6-0	3	Menez, Martinez, Halstead
5/14 @ BNG (1)	7-0	3	Kay
5/21 @ NH	5-0	3	Diaz, Nittoli, McClelland
5/24 @ POR	1-0	3	Reyes, Cosart, Weems
7/18 @ BOW	1-0	7	Kremer, Flaa
8/1 @ TRN (1)	2-0	0	Keller
8/7 vs. RIC (2)	1-0	3	Navas, Wolff, Cyr
9/1 @ HBG	3-0	2	Sanchez, Lee, Istler
9/2 @ HBG	1-0	6	McGowan, Mills, Condra-Bogan, German

2019 POSITION PLAYER NOTES

MULTI-HIT GAMES

MULTI-RBI GAMES

HOME RUN BREAKDOWN

PLAYER	MULTI-HIT GAMES					MULTI-RBI GAMES					HOME RUN BREAKDOWN					
	TOT	2H	3H	4H	5+	TOT	2BI	3BI	4BI	5+BI	TOT	2R	3R	GS	PH	LAST
Stephen Alemais	3	3	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Francisco Cervelli	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oneil Cruz	9	7	1	1	--	2	2	--	--	1	--	--	--	--	8/24 @ BOW	
Jason Delay	15	11	2	2	--	10	7	1	1	1	8	3	2	--	8/21 vs. HFD	
Robbie Glendinning	11	8	3	--	--	9	8	1	--	--	5	2	1	--	8/3 @ REA	
Logan Hill	26	15	9	2	--	19	13	4	2	--	12	5	--	--	8/22 @ BOW	
Bralin Jackson	15	13	1	1	--	3	3	--	--	--	--	--	--	--	--	
Bligh Madris	32	27	5	--	--	15	11	4	--	--	8	3	1	--	8/4 @ REA	
Jesse Medrano	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Gift Ngoepe	1	1	--	--	--	--	--	--	--	--	--	--	--	--	--	
Jared Oliva	39	32	7	--	--	6	5	--	1	--	6	1	--	--	7/14 @ ERI	
Hunter Owen	20	17	3	--	--	9	3	4	1	1	15	3	2	1	6/15 @ BNG	
Arden Pabst	9	8	1	--	--	6	6	--	--	--	4	1	--	--	8/10 vs. REA	
Ryan Peurifoy	1	1	--	--	--	--	--	--	--	--	1	--	--	--	5/25 @ POR	
Brett Pope	18	16	2	--	--	1	1	--	--	--	2	--	--	--	8/31 @ HBG	
Alfredo Reyes	7	6	1	--	--	--	--	--	--	--	1	--	--	--	6/23 @ HFD	
Chris Sharpe	12	9	3	--	--	10	4	5	1	--	11	6	--	1	8/28 vs. AKR	
Jerrick Suiter	22	19	3	--	--	11	11	--	--	--	4	2	--	--	7/13 @ ERI	
Darnell Sweeney	2	2	--	--	--	1	1	--	--	--	2	1	--	1	8/13 @ HBG	
Mitchell Tolman	24	17	6	1	--	4	3	1	--	--	4	--	--	--	6/21 @ HFD	
Adrian Valerio	4	4	--	--	--	3	3	--	--	--	--	--	--	--	--	
Pitchers	--	--	--	--	--	--	--	--	--	--	1	--	--	--	5/16 vs. HBG	
Totals	270	216	47	7	--	109	81	20	5	3	85	27	6	2	1	8/31 @ HBG

PINCH HITTERS

PLAYER	STATISTICS	LAST PINCH-HIT APP.
Oneil Cruz	1.000, (1/1)	8/20 vs. HFD
Robbie Glendinning	.200, (1/5)	8/2 @ REA
Bralin Jackson	.348, (8/23), 2 2B, 2 RBI, BB	9/1 @ HBG
Bligh Madris	.200, (1/5), 2B	8/10 vs. REA
Jared Oliva	.000, (0/2), RBI, HBP	6/29 vs. BNG (2)
Ryan Peurifoy	.100, (1/10), BB	6/27 vs. BNG
Brett Pope	.111, (2/18), 2B, RBI, BB	8/7 vs. RIC
Alfredo Reyes	.200, (1/5), 3B, 2 BB, HBP	7/27 vs. RIC
Chris Sharpe	.167, (1/6), 2 RBI, SF, BB	9/2 @ HBG
Jerrick Suiter	.200, (1/5)	8/30 @ HBG
Beau Sulser	1.000, (1/1), 2B, RBI	8/8 vs. RIC
Darnell Sweeney	1.000, (1/1), HR, RBI	8/13 @ HBG
Mitchell Tolman	.200, (1/5), RBI, HBP	8/14 @ HBG
Adrian Valerio	.000, (0/1), BB	5/15 @ BNG
Totals:	.227, (20/88), 1 HR, 9 RBI, 5 2B, 1 3B, 5 BB, 3 HBP, 1 SF	

PITCHERS AT THE PLATE

PLAYER	AVG	HR	RBI	R	BB	SO	SAC	LAST PA
Agrazal	.000, (0/1)	0	1	0	1	1	2	4/22 @ HBG
Bolton	.167, (1/6)	0	0	0	0	5	1	8/15 @ HBG
Brady	.125, (2/16)	0	0	0	0	5	2	9/2 @ HBG
Campos	.000, (0/1)	0	0	0	0	1	0	5/3 @ RIC
Cedertind	.000, (0/1)	0	0	0	0	1	0	8/4 @ REA
Eckelman	.000, (0/1)	0	0	0	0	1	0	5/16 vs. HBG
Economos	.000, (0/2)	0	0	0	0	2	0	8/10 vs. REA
Garcia	.000, (0/5)	0	0	0	1	3	0	8/31 @ HBG
Hightower	.000, (0/5)	0	1	0	0	4	1	5/17 vs. HBG
Keselica	.000, (0/1)	0	0	0	0	1	0	4/27 vs. RIC
Marvel	.063, (1/16)	0	1	1	1	5	1	6/30 vs. BNG
Ponce	.000, (0/1)	0	0	0	0	1	0	8/10 vs. REA
Robles	.071, (1/14)	0	0	0	0	11	0	8/31 @ HBG
Sulser	.273, (3/11)	1	4	2	0	4	2	8/30 @ HBG
Vasquez	.167, (3/18)	0	0	2	1	9	2	9/1 @ HBG
Vieaux	.091, (1/11)	0	0	1	1	6	0	8/19 vs. HFD
Waddell	.333, (1/3)	0	0	0	1	2	0	6/29 vs. BNG (1)
Weiman	.000, (0/1)	0	0	0	0	1	0	5/3 @ RIC
Totals	.114 (13/114)	1	7	6	6	63	11	9/2 @ HBG

OFFENSE BY INNING

INNING	1	2	3	4	5	6	7	8	9	10+	TOTALS
CURVE	52	41	84	74	71	59	43	66	40	14	544
OPPONENT	63	57	77	53	77	76	64	54	32	10	563

EJECTIONS

PLAYER/COACH	DATE	UMPIRE	REASON
Michael Ryan	4/11 vs. AKR (12th)	T. Matsuda	Arguing play at plate
Michael Ryan	5/3 @ RIC (7th)	D. Thomas	Arguing balls and strikes
Michael Ryan	6/3 @ ERI (7th)	T. West	Arguing check swing
Michael Ryan	6/17 vs. HBG (3rd)	A. Higgins	Arguing appeal at third base
Joel Hanrahan	6/29 vs. BNG (2)	J. Gonzalez	Arguing strike zone
Angel German	7/20 @ BOW (8th)	P. Sharshel	Hit batter
Mitchell Tolman	7/25 vs. RIC	J. Metz	Arguing called third strike
Michael Ryan	7/26 vs. RIC	J. Metz	Arguing overturned call

HOME-ROAD STATS

Home (39-32)		Road (30-39)	
Average:	.256	Home Runs:	30
Runs Per Game:	3.8	Stolen Bases:	44
Doubles:	117	Walks:	199
Triples:	16	Strikeouts:	566
Average:	.225	Home Runs:	55
Runs Per Game:	4.0	Stolen Bases:	43
Doubles:	101	Walks:	188
Triples:	15	Strikeouts:	656

#2 Stephen Alemais

Bats: Right Throws: Right

.267, 0 HR, 2 RBI, 0 2B, 0 3B, 2 SB

LONGEST HIT STREAK: 5 games, 4/13-4/18
STARTS (POSITION): SS (12)

LONG ON-BASE STREAK: 5 games, 4/13-4/18
STARTS (ORDER): 1st (2), 2nd (7), 3rd (3)

PINCH-HITTING: --
MULTI-HIT GAMES: 3

- **2019 NOTES:** Ranked by MLB.com and Baseball America as the Pirates' No. 26 prospect...Started season in Pirates Extended Spring Training...Assigned to Double-A Altoona on 4/11...Made season debut in Curve home opener on 4/11 vs. AKR and went 1-for-6 as the starting at shortstop...Turned in back-to-back multi-hit games on 4/15-16 vs. HBG, going 4-for-7 with one walk and one RBI...*Over a season-best, five-game hitting streak from 4/13-4/18, hit .400 (8/20) with two RBIs and three multi-hit games...*On 4/24 @ HBG, singled in the top of the first inning and tweaked right shoulder while stealing second base...Stayed in the game and scored on a double by Bligh Madris but was replaced by Brett Pope defensively in the bottom of the first...Placed on the 7-day injured list on 4/26 with a right shoulder strain and missed the remainder of the season...Had right shoulder surgery in on 5/17

#29 Francisco Cervelli

Bats: Right Throws: Right

.333, 0 HR, 0 RBI, 1 2B

LONGEST HIT STREAK: 1 game, 8/11
STARTS (POSITION): C (1)

LONG ON-BASE STREAK: 1 game, 8/11
STARTS (ORDER): 3rd (1)

PINCH-HITTING: --
MULTI-HIT GAMES: --

- **2019 NOTES:** Pirates Opening Day catcher for the fifth straight season...Batted .193 in 34 games with one homer, five RBIs, three doubles and .279 on-base percentage...Placed on 7-day concussion list on 5/26, moved to 10-day injured list on 6/4, transferred to 60-day injured list on 6/24...Sixth concussion of MLB career (2011, 2 in 2017, 2 in 2018, 2019)...Did not appear in a game since 5/25 vs. LAD until MLB Rehab Assignment began on 8/11...Started at catcher for Altoona on 8/11 vs. REA and caught seven innings with a 1-for-3 showing at the plate...Transferred MLB Rehab Assignment to Triple-A Indianapolis on 8/13...Appeared in five games for Indians and went 7-for-16 (.438) with one homer, one double and three RBIs...*Released by the Pittsburgh Pirates on 8/22...Signed as a free agent by the Atlanta Braves on 8/24...*Hit three doubles and drove in three runs during a 4-for-5 night in his Braves debut on 8/24 @ NYM...Spent remainder of the season on the Braves MLB roster

#13/44 Oneil Cruz

Bats: Left Throws: Right

.269, 1 HR, 17 RBI, 8 2B, 3 3B, 3 SB

LONGEST HIT STREAK: 4 games, 2x, last - 8/28-8/31
STARTS (POSITION): SS (33)

LONG ON-BASE STREAK: 6 games, 3x, last - 8/28-9/2
STARTS (ORDER): 1st (5), 2nd (2), 3rd (5), 4th (21)

PINCH-HITTING: 1.000 (1/1)
MULTI-HIT GAMES: 9

- **2019 NOTES:** Began the season as Pittsburgh's No. 3 prospect by *Baseball America*, No. 4 Pirates prospect by MLB.com, *Baseball America's* No. 79 prospect overall and MLB.com's No. 96 overall prospect...Started the season with A-Adv. Bradenton and hit .350 (7-for-20) over the first five games...Missed one week from 4/14-22 with lower body discomfort...Landed on the injured list with a right-foot fracture on 4/28 for injury suffered the night before in collision with a baserunner while turning a double play...Returned to the field for three rehab games with the GCL Pirates and went 6-for-10 from 6/24-6/28...Rejoined the Marauders on 6/30 and hit safely in his first six games back with three homers...Homered seven times in 35 games for the Marauders and hit .301...*Between return from injured list on 6/30 until promotion to Double-A Altoona on 7/30, Cruz led Florida State League with six homers, .596 slugging percentage and ranked second with a .330 (31/94) batting average and .960 OPS...*Named Florida State League Player of the Month in July after leading the circuit with six homers, .958 OPS and .596 slugging percentage while he ranked second with a .326 (29/89) batting average and knocked in 13 RBIs in 23 games...Promoted to Double-A Altoona on 7/30...Made Double-A debut at shortstop and went 0-for-2 as a replacement for Hunter Owen during suspended game from 5/30 @ TRN that was completed on 7/30 @ TRN...In a seven-inning game following suspended game, Cruz made his first Double-A start at shortstop and hit two doubles as the cleanup hitter on 7/30 @ TRN...At 6-foot-6, tallest position player to ever play for the Curve...Playing the season at age 20, Cruz is the 11th player to join the Curve at age 20 or younger (Cole Tucker, Austin Meadows, Aken Hanson, Jameson Taillon, Jose Tabata (19), Tim Alderson, Andrew McCutchen (19), Sean Burnett, Ryan Doumit and Luis Lorenzana)...Broke a three-game hitless slide with a triple on 8/2 @ REA...In first game at PNG Field on 8/5 vs. RIC, connected on a game-winning, two-run single with two outs in the seventh inning, his second hit of the game to lift the Curve to a 6-5 win...*Delivered five RBIs and batted .333 (8/24) over first career homestand in Altoona (seven games)...Defensively, committed at least one error (seven total) in six consecutive games from 8/7-8/13...*Broke out with a season-high four hits (4-for-5) with a triple and three singles on 8/13 @ HBG...Hit go-ahead, RBI single to break scoreless tie in 3-0 win in 10 innings on 8/14 @ HBG...Changed uniform number from 44 to 13 on 8/16...*Recorded one RBI in five straight games from 8/11-8/16 and 11 RBIs over 13 games from 8/5-8/18...*Doubled twice on a 3-for-4 night on 8/21 vs. HFD...*Over 18 games from 8/2-8/21, hit .350 (21/60) with four doubles, three triples, 13 RBIs, eight walks and five multi-hit games while reaching base in 16 of 18 games to raise batting average from .133 to .307...*Hit first Double-A homer, a solo blast to left-center, on 8/24 @ BOW and later doubled during a 2-for-4 night...*Went 2-for-24 over six games from 8/22-8/27 while average dipped to .253...*Hit safely in five of last six games from 8/28-9/2 with two multi-hit games and batted .350 (7/20)...*Batted .298 with eight homers, 34 RBIs, 15 doubles and four triples in 73 games between Double-A Altoona, A-Adv. Bradenton and GCL Pirates...*Ranked as the No. 3 Pirates prospect by Baseball America and MLB.com at the end of the season...Also ranked No. 58 overall by MLB.com at the end of the year...Played for Peoria Javelinas in the Arizona Fall League after the season

POSITION PLAYER NOTES

#14 Jason Delay

Bats: Right Throws: Right

.234, 8 HR, 37 RBI, 12 2B, 1 3B, 1 SB

LONGEST HIT STREAK: 6 games, 5/3-5/12
STARTS (POSITION): C (66)

LONG ON-BASE STREAK: 11 games, 4/17-5/12
STARTS (ORDER): 5th (2), 6th (3), 7th (36), 8th (24), 9th (1)

PINCH-HITTING: --
MULTI-HIT GAMES: 15

- **2019 NOTES:** **2019 EASTERN LEAGUE ALL-STAR...**Spent the entire season with Double-A Altoona...Made Double-A debut on 4/6 @ AKR and went 0-for-3 with a strike-out...Recorded first Double-A hit with RBI, infield single on 4/8 @ ERI...Notched first three-hit game (3-for-4) and multi-RBI game on 4/27 vs. RIC...Led a 10-7 comeback on 5/3 @ RIC with first career three-RBI game that included his first Double-A homer, a solo shot...Reached base in all five plate appearances on 5/4 @ RIC by going 4-for-4 with a walk...Set a new career-high with four RBIs on 5/10 vs. ERI that included a go-ahead, three-run homer during an 8-4, comeback win...*Hit .444 (16/36) with two homers, four doubles, one triple, 12 RBIs and five walks during 11-game on-base streak from 4/17-5/12 and hit .522 (12/23) with seven extra-base hits, nine RBIs and had four multi-hit games on season-best six-game hitting streak from 5/3-5/12...*Recorded second four-hit game of the season on 5/19 vs. HBG by going 4-for-4 with two doubles, two RBIs and knocked in the eventual game-winning run during eighth inning...*In 16 games in May, Delay hit a season-best .339 (20/59) with 11 extra-base hits, including four homers, and 16 RBIs...Hit .489 (23/47) with four homers, six doubles, 16 RBIs, seven multi-hit games including two four-hit games and five multi-RBI games in 13-game span from 4/23-5/19 as batting average soared to .394...Batted .170 (28/165) over the remaining 48 games of the season after 5/21...In 22 games from 5/21-7/15, batted .114 (9/79) with three extra-base hits and seven RBIs...Entered All-Star Break with a .254 average, five homers, nine doubles and 25 RBIs...In the E.L. All-Star Game on 7/10 in Richmond, Delay went 1-for-2 with a single off the bench for the Western Division...First Curve catcher to be named an Eastern League All-Star since Elias Diaz in 2014...*Hit safely in five straight games from 7/20-7/28 and hit .450 (9/20) with two doubles and three RBIs...Batted .275 (14/51) in 14 games in July...*Ignited a four-run out of the ninth on 8/4 @ REA with a game-tying, two-run homer with two outs before Reading knocked off the Curve, 9-7, in 10 innings...Compiled a career day with two homers and five RBIs on 8/21 vs. HFD, his first career multi-homer game set a new single-game career best for RBIs for third time during the season...*Racked up seven RBIs in three games from 8/20-8/23...Hit .333 (6/18) in five-game stretch from 8/16-8/23...*Played for the Peoria Javelinas in the Arizona Fall League after the season*

#6/23/49 Robbie Glendinning

Bats: Right Throws: Right

.261, 5 HR, 31 RBI, 7 2B, 1 3B, 2 SB

LONGEST HIT STREAK: 7 games, 6/23-6/29 (1)
STARTS (POSITION): 2B (1), SS (19), 3B (27), DH (3)

LONG ON-BASE STREAK: 7 games, 2x, last - 7/23(1)-7/28
STARTS (ORDER): 1st (2), 3rd, (3), 4th (18), 5th (1), 6th (21), 7th (3), 8th (2)

PINCH-HITTING: .200, (1/5)
MULTI-HIT GAMES: 11

- **2019 NOTES:** **2019 FLORIDA STATE LEAGUE ALL-STAR...**Member of Altoona's Opening Day roster to start first full professional season...Made Double-A debut on 4/4 @ AKR and went 2-for-3 with two singles and a stolen base off the bench on Opening Night...Seventh Australian-born player to appear in a game for the Curve...Made first Double-A start on 4/6 @ AKR and delivered a two-out, RBI single in the fifth inning during a 2-0 Curve win...Hit first Double-A homer, a solo shot to right, on 4/9 @ ERI...Batted .385 over first five games and hit .300 over first 10 games...Assigned to A-Adv. Bradenton on 4/18 and played 43 games with the Marauders...Set a career best with four RBIs on 4/19 vs. JUP with a solo homer during the sixth inning and a three-run triple in the seventh...Hit first career grand slam on 5/16 vs. FTM to tie the game at 7-7 in the fifth inning and matched a career-high with four RBIs...*Hit safely in 10 straight games from 5/25-6/4, the longest hitting streak of his pro career, and batted .488 (14/36) with a pair of homers, five RBIs and three doubles...*Promoted to Double-A Altoona on 6/13...*At time of promotion, he led the Florida State League in batting average (.340), slugging percentage (.599) and OPS (.992) while ranked second in on-base percentage (.393), third in extra-base hits (25) and fourth in homers (8) and doubles (16)...*Homed in first game back with the Curve on 6/14 @ BNG during a 2-for-4 night and a 6-2 victory...Hit two-run homer to cap off four-run third in 6-3 comeback win on 6/27 vs. BNG...*Hit .433 (13/30) with eight RBIs on seven-game hitting streak from 6/23-6/29 (2)...*Batted .400 (16/40) and knocked in 11 RBIs, the most in the E.L. over this period, in 10 games from 6/19-6/29 (1) while batting average topped out at .348...Hit go-ahead, RBI double in top of eighth in 5-4 win on 7/1 @ AKR...Hit game-tying RBI double in four-run eighth inning of 6-4 comeback win on 7/3 @ AKR...Hit walk-off, two-run double to complete three-run 10th in 6-5 comeback win on 7/4 vs. ERI, his first career walk-off hit...*Hit .333 (23/69) with 18 RBIs, nine extra-base hits and seven multi-hit games over his first 19 games following his promotion from 6/14-7/4...*18 RBIs from 6/14-7/4 ranked fourth in the Eastern League...*Went 0-for-21 over six games between 7/18-7/23 (1) as average dropped to season-low .259...*Broke up hitless drought with 2-for-3 showing in nightcap of double-header on 7/23 vs. ERI (2)...Hit three-run homer and reached base safely in all four plate appearances on 7/26 vs. RIC, going 2-for-2 with two walks...*25 RBIs in 39 games from his promotion on 6/14 through 7/27 ranked tied for third in the Eastern League...*Got on base in 6 of 7 games in August by batting .313 (5/16) with one homer, two RBIs and three walks...Sprained ankle on 8/7 vs. RIC after he started to run toward first on a dropped third strike in the seventh inning...Placed on the 7-day injured list with a right ankle sprain on 8/8 and missed the remainder of the season...*Hit .198 (18/91) with two homers, nine RBIs and 34 strikeouts over last 29 games of the season from 7/7...*Led the team with a .393 batting average with runners in scoring position...Finished seventh in the Pirates organization with a .298 batting average between A-Adv. Bradenton and Double-A Altoona...Finished top 10 in the Pirates system with career-bests in homers (13; 10th), RBIs (57; 10th), on-base percentage (.368; 9th), slugging percentage (.488; 5th), OPS (.856; 4th) and batting average with balls in play (.407; 3rd)...Also set new career-highs with 103 hits, 38 walks, 23 doubles, eight stolen bases and 115 strikeouts

#23 Logan Hill

Bats: Right Throws: Right

.258, 12 HR, 69 RBI, 27 2B, 3 3B, 1 SB

LONGEST HIT STREAK: 8 games, 5/12-5/19
STARTS (POSITION): 1B (28), LF (37), RF (3), DH (45)

LONG ON-BASE STREAK: 16 games, 5/2-5/19
STARTS (ORDER): 4th (82), 5th (31)

PINCH-HITTING: --
MULTI-HIT GAMES: 26

- **2019 NOTES:** Opening Day starter as the DH, batted fifth, and went 0-for-4 with three strikeouts on 4/4 @ AKR...Notched first RBI on first hit of the season during the first inning on 4/6 @ AKR to break an 0-for-6 start through first two games...Finished a three-hit game with a two-out, go-ahead RBI double on 4/7 @ AKR...Started at first base for the first time as a pro and went 4-for-5 with a homer, two doubles, a single and two late-inning RBIs in a 6-3 Curve win on 4/8 @ ERI...*Went 9-for-15 (.600) over a four-game hitting streak from 4/6-4/9 with a homer, three doubles and four RBIs...*Robbed what would have been a go-ahead, two-run home run from Spencer Kieboom at the left field wall during the top of the sixth inning at PNC Field on 4/16 vs. HBG...Reached base safely in all four plate appearances with two walks and two hits, including a double, on 5/12 vs. ERI...*Hit .407 (24/59) with eight multi-hit games, 15 RBIs and 14 runs scored over season-long, 16-game on-base streak from 5/2-5/19 that included an eight-game hitting streak from 5/12-5/19 in which he batted .552 (16/29) with six multi-hit games and nine RBIs...*Finished a homer shy of the cycle during a 3-for-4 performance on 6/1 vs. NHM...Hit a three-run triple and totaled four RBIs in 6-0 win on 6/8 vs. AKR(1)...Promoted to Triple-A Indianapolis for the first time in his career on 6/13...Batted .279 with four homers, 36 RBIs and 19 doubles for Double-A Altoona before call up...Batted .184 (9/49) over 14 games with two homers, three RBIs and four doubles...Assigned back to Double-A Altoona on 7/5...Went 0-for-9 in first three games back with Curve before he ripped a solo homer on 7/12 @ ERI for the only run of a 1-0 Curve win...Hit a two-run homer on 7/13 @ ERI to give Curve a three-run top of the 10th in a 10-7 win in extras...Went 4-for-4 with a triple and three singles on 7/16 vs. TRN...Totalled season-high four RBIs, drove in tying run in go-ahead eighth inning and went 2-for-3 in 6-5 comeback win on 7/17 vs. TRN...*Hit .311 (14/45) with eight extra-base hits and 11 walks on 14-game on-base streak from 6/8-7/17...*Reached base in 47 of 54 games from 5/2-7/27 while hitting .291 (57/196) with 26 walks and three hit-by-pitch for a .381 on-base percentage...*During a 12-game stretch from 7/28-8/9, Hill went 3-for-4 (.075) with a solo homer, three walks and one hit-by-pitch...*After striking out for the final out of Brian Keller's no-hitter during the first game of a double-header on 8/1 @ TRN (1), socked a solo homer in the second inning of the second game, his seventh of the year and Altoona's first hit of the day...*Batted .295 (26/88) over final 23 games of the season starting on 8/10 with five homers, five doubles and 21 RBIs, the most in the E.L. over that period, along with a league-best 26 hits...*Knocked in three runs and missed the cycle by a triple during a 13-10 loss on 8/13 @ HBG...Collected three hits and a home run for the second straight game in 3-0 win in 10 innings on 8/14 @ HBG...Went 3-for-4 with three RBIs on 8/17 vs. BOW and was a triple shy of the cycle in third three-hit game in five games...Hit go-ahead, RBI single to put Curve up 4-3 in sixth inning in eventual 5-4 comeback win on 8/18 vs. BOW...*Named Eastern League Player of the Week for 8/12-18, his first weekly award of his pro career, with a league-best three homers, nine RBIs and .958 slugging percentage while hitting .458 (11/24) with three three-hit games in six games overall...*Hit go-ahead, two-run homer to straight-away center with two outs in the bottom of the eighth to put the Curve up 4-3 in eventual 5-4 loss on 8/20 vs. HFD...*Finished tied for second in the Eastern League with 69 RBIs, tied for seventh with 27 doubles and 42 extra-base hits, eighth with a .428 slugging percentage and seventh with a .760 OPS...*Led the team with nine three-hit games and 15 multi-RBI performances...12 homers were second-most on the club...*Between Double-A Altoona and Triple-A Indianapolis, Hill batted .250 with 14 homers, 72 RBIs and 31 doubles...*31 doubles were tied for second in the Pirates system while 72 RBIs ranked fifth, tied for ninth with 114 hits and 14 home runs were tied for ninth...*Hill's 49 home runs since 2017 are tied for third-most among Pirates minor league hitters...*150 RBIs and 273 strikeouts in his Curve career are each ranked fifth-most in franchise history

#5 Bralin Jackson

Bats: Right Throws: Left

.257, 0 HR, 20 RBI, 13 2B, 2 3B, 7 SB

LONGEST HIT STREAK: 6 games, 7/24-8/8
STARTS (POSITION): LF (36), CF (8), RF (19), DH (3)

LONG ON-BASE STREAK: 6 games, 3x, last - 8/21-8/31
STARTS (ORDER): 1st (4), 2nd (22), 3rd (6), 4th (1), 5th (3), 6th (6), 7th (5), 8th (15), 9th (4)

PINCH-HITTING: .348, (8/23), 2 2B, 2 RBI, BB
MULTI-HIT GAMES: 15

- **2019 NOTES:** Member of the Opening Day roster and started in left field on 4/4 @ AKR, batted second and 0-for-5...Scored game-winning run in 12th inning on walk-off single by Bligh Madris in home opener on 4/11 vs. AKR...Collected a career-high-tying four hits including a two-run, ground-rule double to cap off a seven-run third inning on 5/4 @ RIC...*Hit .429 (15/35) and hit safely in eight of 10 games from 4/30-5/10 with five multi-hit games and four doubles...*Batting average fell from .289 to a season-low .224 with a .181 slump (25/138) over 47 games from 5/11-7/23 with three multi-hit games and three extra-base hits...Spent 7/5-7/18 on the 7-day injured list with a left ankle sprain and was activated on 7/19...Hit safely in three straight from 7/20-7/22, going 3-for-13...Placed on injured list on 8/1 with left ankle sprain and reinstated on 8/8...Hit safely in six straight games from 7/24-8/8, which included three straight pinch-hits, while going 6-for-15...Tied a career-high with three runs scored during a three-hit night (3-for-5) on 8/31 @ HBG...*Batted .432 (19/44) with five extra-base hits and three multi-hit games over final 20 games of the season from 7/24...*Also went 6-for-9 with a double, four singles and an RBI in last nine chances as a pinch hitter...Led all Curve pinch hitters with a .348 (8/23) average and two doubles...Had 293 plate appearances without a home run, the fourth-most in franchise history without a home run

#7 Bligh Madris

Bats: Left Throws: Right

.260, 8 HR, 55 RBI, 26 2B, 2 3B, 3 SB

LONGEST HIT STREAK: 7 games, 8/9-8/16
STARTS (POSITION): LF (1), RF (116), DH (9)

LONG ON-BASE STREAK: 12 games, 4/22-5/4
STARTS (ORDER): 1st (1), 2nd (7), 3rd (41), 5th (42), 6th (34), 7th (1)

PINCH-HITTING: .200, (1/5), 2B
MULTI-HIT GAMES: 32

- **2019 NOTES:** Spent the entire season with Double-A Altoona...Made Double-A debut as the Opening Day right fielder and went 1-for-4 with a double as the third batter in the order on 4/4 @ AKR...Doubled two more times during 2-for-5 performance on 4/5 @ AKR that included his first Double-A RBI...Hit game-tying, solo homer, his first at Double-A, to ignite four-run fourth inning on 4/8 @ ERI...*Delivered walk-off, RBI single in the 12th inning to give the Curve a 3-2 victory in their home opener on 4/11 vs. AKR, his fifth career walk-off hit...*Hit game-winning, two-run double to break 6-6 tie during 8-6 win on 4/28 vs. RIC...*Went 13-for-29 (.448) with three doubles, five RBIs and five multi-hit games on six-game hitting streak from 4/22-4/28...*Led the Eastern League with 29 hits through 4/28 and batted .326 (29/89)...Drew first walk of the season on 4/29, his 22nd game of the season...Had at least one walk and seven total over six straight games from 4/29-5/4...*Batting average dipped from .326 to a season-low .240 with a .169 (20/118) slide over 37 games from 4/29-6/9...*Hit .341 (15/44) during 12-game on-base streak from 4/22-5/4 with three doubles, five RBIs and seven walks...Started first game from the leadoff spot on 5/25 @ POR...Hit back-to-back homers with Hunter Owen (game-tying, three-run homer) on 6/3 @ ERI and capped off a five-run ninth with a go-ahead, solo homer (second of the season) for a 9-8 victory...Went 5-for-11 with three doubles in three-game series from 6/11-13 vs. POR...Hit go-ahead, two-run homer on 6/15 @ BNG, his third of the season...Broke 2-2 tie with a two-run homer in third inning on 6/21 @ HFD, but Curve lost 7-6 on late double in eighth inning...*Hit .400 (14/35) with two homers, four doubles and five multi-hit games on 10-game on-base streak from 6/11-6/22...*From 6/29 through the end of the season, Madris batted .276 (54/196) with 11 doubles, four homers and 26 RBIs...*Collected seven multi-hit games between 7/3-7/20 while hitting .346 (18/52) in addition to 10 RBIs...*Connected on game-winning, two-run homer (fifth of the year) to break 4-4 tie during four-run eighth inning on 7/3 @ AKR...Hit go-ahead, two-run double in sixth inning, recorded Curve's only two hits and drove in all three runs in 3-2 comeback win on 7/7 vs. ERI...*Reached base in 11 straight games from 6/29-7/12 and hit .333 (13/39)...*Hit sixth homer on 7/19 @ BOW to lift Curve to 3-1 lead in the fourth inning...Hit game-tying, three-run homer in top of eighth during 8-6 comeback win on 7/21 @ BOW, his seventh homer of the year...*Hit .320 (8/25) with seven walks on eight-game on-base streak from 7/18-7/24...*Knocked in the first two runs of a comeback attempt on 8/4 @ REA (lost 9-7 in 10 innings) with an opposite-field, solo homer, his eighth of season, during the fifth and delivered a sacrifice fly in the seventh...*Went 2-for-4 with two singles and a run scored to extend hitting streak to a season-high seven games on 8/16 vs. BOW...*Went 11-for-23 (.478) with three doubles and three multi-hit games on season-high seven-game hitting streak from 8/9-8/16...All eight of his home runs were hit on the road while six of them were go-ahead or game-tying blasts, including five in Curve wins...119 hits ranked seventh in the Eastern League while career-best 26 doubles were tied for ninth in the league...32 multi-hit games and 15 multi-RBI games were each ranked second-most on the club...55 RBIs and 26 doubles were ranked second on the team...*Among Pirates organization hitters, his 119 hits ranked sixth, 26 doubles were tied for eighth and 55 RBIs were tied for 11th*

POSITION PLAYER NOTES

#19 Jesse Medrano Bats: Right Throws: Right .056, 0 HR, 0 RBI

LONGEST HIT STREAK: 1 game, 8/20 **LONG ON-BASE STREAK:** 2 game, 8/20-8/23 **PINCH-HITTING:** --
STARTS (POSITION): 3B (6) **STARTS (ORDER):** 2nd (1), 8th (1), 9th (4) **MULTI-HIT GAMES:** --

- **2019 NOTES:** Started the season with A-Adv. Bradenton...First full professional season...Appeared in 73 games and hit .192 with three homers, 16 RBIs, nine doubles and one triple...*Batted .306 over his first 10 games and .288 through April...Recorded four multi-hit games over 55 from 5/1-8/15 and batted .158 (26/165)...*Promoted to Double-A Altoona on 8/16...Made Double-A debut on 8/17 vs. BOW, starting at third base and batting ninth, and went 0-for-2 with a sacrifice bunt...Recorded first Double-A hit, a fourth-inning single, on 8/20 vs. HFD...Made first pitching performance as a pro on 8/22 @ BOW when he took over in the eighth inning and allowed two runs in a 9-2 Curve loss...*Between Double-A Altoona and A-Adv. Bradenton, Medrano hit .182 with three homers, 16 RBIs, nine doubles and one triple over 80 games*

#24 Gift Ngoepe Bats: Right Throws: Right .100, 0 HR, 0 RBI, 2 SB

LONGEST HIT STREAK: 1 game, 2x, last - 7/23 (2) **LONG ON-BASE STREAK:** 6 games, 6/30-7/7 **PINCH-HITTING:** --
STARTS (POSITION): SS (11) **STARTS (ORDER):** 8th (3), 9th (8) **MULTI-HIT GAMES:** 1

- **2019 NOTES:** Signed a minor league contract with the Phillies in January with an invite to spring training...Hit .221 with five home runs and 21 RBIs in 41 games with Triple-A Lehigh Valley before being released on June 20...*Signed a minor league contract with the Pirates on 6/27...*Made 2019 debut with Altoona on 6/29 vs. BNG (2), his first game in a Curve uniform since 6/28/2015...Scored game-winning run as the placed runner on Chris Sharpe's walk-off single to lift Altoona to a 4-3 win during first game...Went 2-for-4 on 6/30 vs. BNG before going 0-for-16 over eight games from 7/1-7/19, breaking the slide with single in first at-bat on 7/23 vs. ERI (2)...*Re-leasued by the Pirates on 7/30...*Signed by Lancaster Barnstormers of the independent Atlantic League on 8/6...Batted .289 (11/41) in 11 games for Lancaster with three homers, seven RBIs, two doubles and one triple

#41 Jared Oliva Bats: Right Throws: Right .277, 6 HR, 42 RBI, 24 2B, 6 3B, 36 SB

LONGEST HIT STREAK: 10 games, 7/13-7/22 **LONG ON-BASE STREAK:** 14 games, 6/3-6/18 **PINCH-HITTING:** .000, (0/2), RBI, HBP
STARTS (POSITION): LF (1), CF (112), DH (6) **STARTS (ORDER):** 1st (45), 2nd (12), 3rd (62) **MULTI-HIT GAMES:** 39

- **2019 NOTES:** **2019 EASTERN LEAGUE END-OF-SEASON ALL-STAR...2019 ALTOONA CURVE MOST VALUABLE PLAYER...**Ranked No. 19 by *Baseball America* and No. 12 by MLB.com among the Pirates' Top 30 prospects at the beginning of the season...Made Double-A debut as the Opening Day leadoff hitter and center fielder on 4/4 @ AKR...Walked in only plate appearance and was removed from the game after an outfield collision with left fielder Bralin Jackson in bottom of first inning...Placed on the 7-day injured list on 4/5 for a concussion and was activated on 4/15 after missing nine games...Singled and doubled in first two at-bats of home debut on 4/15 vs. HBG, his first game off the injured list...Stole first Double-A base in first game of a double-header on 4/20 @ RIC (1)...Knocked in lone run of the game in eighth inning on 4/20 @ RIC (2), his first Double-A RBI that aided a double-header sweep in Richmond...Launched a lead-off homer to start the game on 5/3 @ RIC, his first Double-A homer...Hit game-tying solo homer in top of ninth in 7-3 loss on 5/27 @ POR...*Batted .188 over first 40 games of the season through 6/2...Hit .320 (97/303) in 82 games from 6/3 through the end of the season, leading the Eastern League by 23 points...Led the E.L. in batting average (.320), on-base percentage (.387) and hits (97) with the second-highest OPS (.842) from over that period...*Hit solo homers for third and fourth long balls of season in back-to-back morning games on 6/4 and 6/5 @ ERI...Went 3-for-7 with an RBI double and three runs in double-header sweep on 6/8 vs. AKR...Hit go-ahead RBI single in seventh inning and went 2-for-4 in 5-4 win on 6/11 vs. POR...Doubled in four straight games from 6/14-6/18...Led off in 44 of first 66 games of the season until he was slotted third on 6/18, where he started 62 of the team's last 74 games...Recorded first three-hit game and reached safely in all four plate appearances on 6/18 vs. HBG...Closed the First Half with a .217 batting average over 54 games...*Led all E.L. hitters in the Second Half with a .325 (81/249) batting average (23 points higher than second-best), 81 hits and .387 on-base percentage...*Set a career high with five RBIs and went 3-for-5 on 7/13 @ ERI, including a go-ahead, RBI single that scored the placed runner from second to start the 10th during a 10-7 win...Tied a single-game franchise record with two triples on 7/17 vs. TRN...Converted 17 straight stolen base attempts from 6/9-7/20...*Compiled career-high 10-game hitting streak from 7/13-7/22 and batted .415 (17/41) with six multi-hit games, 10 RBIs and 11 runs scored...*Led Eastern League with a .388 average (40/103), 40 hits and 13 steals over 27 games in July while his 21 runs, .443 on-base percentage and .987 OPS during the month were all second-best...*Batting average soared from .223 to .281 over 25 games between 6/23-7/21 thanks to a .430 (40/93) pace that included 15 multi-hit games, 17 RBIs, 22 runs scored and 13 extra-base hits...*Over that stretch, Oliva led the E.L. in hitting by 65 points with league-best totals in runs (22), on-base percentage (.495), slugging percentage (.645) and OPS (1.140)...*Boosted average to a season-high .289, up to third-best in the Eastern League batting race, after hitting .345 (30/87) with 11 multi-hit games from 7/27-8/22...*Ranked second in the league's batting race from 8/23-8/27...Did not have more than two hitless games in a row all season until he had an 0-for-20 slide over five games from 8/28-9/1...Notched team-leading 39th multi-hit game (2-for-4) in final game of the season on 9/2 @ HBG...*Tied a franchise record with a perfect 1.000 fielding percentage in 114 games in the outfield, which led all Eastern League outfielders...His 114 games and 291 total chances in the outfield were each the most in Minor League Baseball among outfielder with zero errors...*Also led all Double-A outfielders with 287 putouts...*Finished sixth in the Eastern League with a .277 batting average...36 stolen bases were second-most in the E.L. and tied for first in the Pirates system...36 steals were fourth-highest single-season total in franchise history...*Ranked fourth in the E.L. with a team-high 70 runs, tied for fourth with six triples, fifth with 124 hits, seventh with 11 hit-by-pitch...*Ranked eighth in the E.L. with a .352 on-base percentage and .750 OPS...*Among Pirates minor leaguers, 124 hits and six triples were second-most while 70 runs ranked fifth...Ranked by MLB.com as Pittsburgh's No. 11 prospect at the end of the season...Played for the Peoria Javelinas of the Arizona Fall League after the season

#10 Hunter Owen Bats: Right Throws: Right .295, 15 HR, 44 RBI, 15 2B, 2 3B, 1 SB

LONGEST HIT STREAK: 7 games, 2x, last - 5/31-6/7 **LONG ON-BASE STREAK:** 10 games, 4/7-4/17 **PINCH-HITTING:** --
STARTS (POSITION): 3B (65), RF (1), DH (2) **STARTS (ORDER):** 2nd (2), 3rd (5), 5th (50), 6th (11) **MULTI-HIT GAMES:** 20

- **2019 NOTES:** Member of Altoona's Opening Day Roster...Made Double-A debut as the Opening Day third baseman and drew two walks in 0-for-2 night as sixth batter...In second game of the season on 4/5 @ AKR, Owen connected on first Double-A hit, a single in the first, and home run, a go-ahead grand slam in the fifth, during a five-RBI performance to match a career-high during a 7-6 Curve win...*Enjoyed the first of two seven-game hitting streaks from 4/7-4/13 and batted .375 (9/24) with two homers, three doubles and seven RBIs...*After 12 RBIs in first 10 games, he had a seven-game RBI drought but broke it up with a solo homer on 4/23 @ HBG, his fourth home run, and added a triple in the eighth...*Collected four homers in seven games from 4/23-4/30...Named E.L. Player of the Week for 4/22-29, the third weekly award of his career, after going 10-for-24 (.417) with three homers, three doubles, one triple and five straight two-hit games...*Hit a two-run homer, his seventh homer of season, to cap off four-run sixth inning on 4/30 vs. ERI...*Batted .315 in April while his seven home runs and 20 RBIs were the highest totals by a Curve player since Brad Eldred hit 10 homers and 22 RBIs to open the 2005 season...*Seven April home runs were second-most in the E.L. while 20 RBIs ranked third and led the league with 17 runs scored over the first month of the season...Logged four RBIs on 5/2 @ RIC with a three-run double in the fourth and a sacrifice fly in the seventh...Did not homer in first 12 games of May until he homered in back-to-back games on 5/15 @ BNG and 5/16 vs. HBG...Became third player in the Eastern League to reach double-digit home runs with his 10th of the season on 5/19 vs. HBG...Homered in back-to-back days for the second time on 5/31 and 6/1 vs. NHM...Hit walk-off, two-run homer in bottom of the ninth, his first career walk-off home run and third career walk-off hit, on 6/1 vs. NHM and went 3-for-4 with three RBIs in 4-3 win...Hit game-tying, three-run homer in top of ninth, his third homer in four games, before Bligh Madris socked go-ahead blast in next at bat during 9-8, comeback win on 6/3 @ ERI...Homered three times in four games from 5/31-6/3 with seven RBIs...*Hit .440 (11/25) with three home runs, seven RBIs and eight runs over second seven-game hitting streak of the season from 5/31-6/7...*Reached base in all four plate appearances on 6/14 @ BNG, going 3-for-3 with a double and a walk...*Claimed the E.L. lead with 15th homer, a solo blast, on 6/15 @ BNG...*15 home runs in 64 games was third-fastest pace in franchise history, just one game shy of Jordan Luplow's 63-game pace in 2017 for second-best (Josh Bonifay reached the 15-home run mark in just 55 games during the 2005 season but he did not debut until April 18 and homered for the 15th time on July 3)...Made first start of the season in right field on 6/18 vs. HBG...*Led the Eastern League with 15 homers, 68 hits, 44 runs and 12 hit-by-pitch over the First Half while batting .294 with 31 extra-base hits and 43 RBIs, all second-best on the circuit...*Promoted to Triple-A Indianapolis on 6/20 and departed the Eastern League atop the leaderboard in homers (15), batting average (.295), slugging percentage (.565), OPS (.934), hits (70), runs (45), total bases (134) and hit-by-pitch (12) in addition to second-place ranks in extra-base hits (32) and third in RBIs (44)...Made Triple-A debut on 6/21 @ PAW and singled in second at bat...Went 2-for-16 over first four games and landed on 7-day injured list with a left hand contusion on 6/29...Activated from 7-day injured list on 7/16...Swatted first Triple-A home run in second at bat back from injured list on 7/18 vs. SYR...Went on to hit .192 with four homers, nine RBIs and four doubles in 42 games for Triple-A Indianapolis...*Combined to hit .261 with 19 homers, 53 RBIs, 19 doubles, two triples and a .829 OPS over 11 games with Double-A Altoona and Triple-A Indianapolis...*19 home runs were tied for fourth in Pirates system...50 home runs since 2017 rank second-most among Pirates minor leaguers...Led the Curve with 15 home runs and ranked third with 44 RBIs...15 home runs are tied for 23rd-highest single-season total in franchise history...Ranked tied for seventh in the Eastern League with 15 home runs and sixth with 12 hit-by-pitch...Led all E.L. third basemen with 16 double plays

#53 Arden Pabst Bats: Right Throws: Right .192, 4 HR, 23 RBI, 11 2B, 3 3B

LONGEST HIT STREAK: 4 games, 4/22-4/28 **LONG ON-BASE STREAK:** 5 games, 6/27-7/4 **PINCH-HITTING:** --
STARTS (POSITION): C (73) **STARTS (ORDER):** 6th (2), 7th (38), 8th (32), 9th (1) **MULTI-HIT GAMES:** 9

- **2019 NOTES:** Started at catcher on Opening Day, 4/4 @ AKR, and drove in the first runs of the season with a two-run single to left field...Recorded first multi-hit game with a double and triple in 2-for-4 night on 4/18 @ RIC...Hit a two-RBI triple to cap off five-run third inning in 8-2 win on 5/18 vs. HBG...Hit first two homers of the season in back-to-back games played on 6/3 and 6/5 @ ERI and went a combined 5-for-9 with three RBIs...Batted .342 (13/38) with two homers, 10 RBIs, four doubles over 10 games from 5/16-6/5, including four multi-hit games, to boost batting average to a season-high .239...Hit .165 (35/212) with five multi-hit games, two homers, 13 RBIs and seven doubles over other 63 games of the season...Knocked third homer of the season on 6/30 vs. BNG...Hit fourth homer of season, a lead-off solo shot in the second inning on 8/10 vs. REA and committed lone error of the season in 62nd game, a throwing error on a stolen base by Luke Williams in the first inning...*Tied for the highest fielding percentage (.998) among catchers in Minor League Baseball...Led E.L. catchers with a .998 fielding percentage (1 error in 604 total chances) and ranked fifth with a 35.1% (20/57) caught-stealing rate*

#6 Ryan Peurifoy Bats: Right Throws: Right .106, 1 HR, 1 RBI

LONGEST HIT STREAK: 2 games, 5/25-6/2 **LONG ON-BASE STREAK:** 4 games, 5/25-6/8 (1) **PINCH-HITTING:** .100, (1/10), BB
STARTS (POSITION): LF (5), CF (7) **STARTS (ORDER):** 1st (1), 8th (1), 9th (10) **MULTI-HIT GAMES:** 1

- **2019 NOTES:** Started the season on the A-Adv. Bradenton roster but did not appear in a game...Assigned to Double-A Altoona on 4/5...Made Double-A debut as a pinch runner for Logan Hill on 4/6 @ AKR...Made first Double-A start on 4/7 @ AKR and went 0-for-4...Assigned to extended spring on 4/15 and added back to Curve roster on 4/20, reassigned to extended on 5/4...Went 0-for-20 with two walks over first 10 games...Activated in Double-A Altoona on 5/25...Cleared the Maine Monster for a solo homer to lead off third inning for first Double-A hit and homer on 5/25 @ POR and added second hit in the fifth...Assigned to A-Adv. Bradenton on 6/29...Appeared in four games for Marauders and went 2-for-13 with a home run...Released by the Pirates on 7/9

#3 Brett Pope Bats: Left Throws: Right .252, 2 HR, 22 RBI, 15 2B, 1 3B, 7 SB

LONGEST HIT STREAK: 6 games, 5/2-5/12 **LONG ON-BASE STREAK:** 8 games, 8/15-8/22 **PINCH-HITTING:** .111, (2/18), 2B, RBI, BB
STARTS (POSITION): 2B (14), 3B (27), SS (35), DH (1) **STARTS (ORDER):** 1st (18), 2nd (4), 7th, (5), 8th (34), 9th (17) **MULTI-HIT GAMES:** 18

- **2019 NOTES:** **2019 ALTOONA CURVE UNSUNG HERO...**Spent the entire season with Double-A Altoona and led the club in starts at shortstop...Made Double-A debut on 4/5 @ AKR and collected first Double-A hit in second plate appearance...*Started season batting .071 (2/28) through first 12 games of the season through 4/23...*Recorded first multi-hit game of season with 2-for-5 day on 4/24 @ HBG, which included a double...Connected on an RBI double to put the Curve within one during a 10-7 comeback win on 5/3 @ RIC...*Hit .343 (12/35) and hit safely in nine of 10 games from 4/24-5/11 with three multi-hit games and three doubles to raise batting average to .222...*Went 0-for-19 over seven games from 5/14-5/22...Had a perfect day at the plate on 5/28 @ TRN, going 3-for-3 with three singles and an RBI to finish a five-run fourth inning...Hit game-tying, RBI single in seventh inning of 5-4 win on 6/11 vs. POR...Hit game-tying, pinch-hit RBI double down the left field line in the eighth inning on 6/28 vs. BNG...*Batted .291 (16/55) in 20 games in June...Started 11 of 14 games between 7/16-7/30 and hit .292 (14/48)...*Hit first Double-A home run, a solo shot to right, to start a three-run fifth inning during a 13-10 loss on 8/13 @ HBG...Had three straight two-hit games from 8/8-8/13 with one extra-base hit in each game...*Started 20 of final 22 games of the season, starting on 8/11, and hit .275 (19/69)...*Went 2-for-4 and two runs scored, including the game-winning run after hitting a leadoff double in the bottom of the eighth in 5-4 comeback win on 8/18 vs. BOW...Went 2-for-2 with a double, single and scored a run on 8/29 vs. AKR...Hit second homer of season, a solo shot, on 8/31 @ HBG...*Raised batting average from .169 to .252 starting on 5/25 through the last 70 games of the season by batting .286 (57/199) with 15 multi-hit games...*Hit .296 (32/108) in final 36 games of the year from 7/22...Hit a season-best .316 (24/76) in August that included each of his two home runs, seven doubles and played in a season-high 26 games...Over 54 games in the Second Half, Pope batted .282 (44/156) versus .214 (27/126) in 46 games in the First Half

2019 POSITION PLAYERS

#13 Alfredo Reyes

Bats: Right Throws: Right

.176, 1 HR, 9 RBI, 6 2B, 1 3B, 7 SB

LONGEST HIT STREAK: 3 games, 7/2-7/5

STARTS (POSITION): 1B (3), 2B (9), 3B (8), SS (14), CF (8)

LONG ON-BASE STREAK: 3 games, 3x, last - 7/2-7/5

STARTS (ORDER): 1st (3), 2nd (9), 8th (13), 9th (17)

PINCH-HITTING: .200, (1/5), 3B, 2 BB, HBP

MULTI-HIT GAMES: 7

- **2019 NOTES:** Member of Altoona's Opening Day roster...Opening Day starter at shortstop and ninth hitter on 4/4 @ AKR...Moved to center field in the first inning after Jared Oliva was removed from the game due to injury and went 1-for-4 with an RBI single in the fourth inning...Assigned to Triple-A Indianapolis on 4/11...Played in two games for the Indians and went 1-for-7 before returning to Curve roster on 4/18...Returned to Triple-A Indianapolis from 4/20-5/3 and played in six games before returning to the Curve on 5/4...Reached base in all five plate appearances with two singles and three walks on 5/8 vs. BOW...Delivered a pinch-hit triple in the eighth inning on 5/15 @ BNG, his only extra-base hit in the First Half...Recorded second multi-hit game by going 2-for-5 on 6/18 vs. HBG...*Hit .151 in 29 games in First Half*...Hit first home run of season, a solo shot, and went 2-for-3 on 6/23 @ HFD...Went 3-for-5 with two doubles and scored a run on 6/25 @ RIC...Went 2-for-4 with two doubles and two runs scored on 6/28 vs. BNG...*Batted .325 (13/40) with six extra-base hits from 6/18-7/5 with five extra-base hits after he held a .136 (11/81) average and just one extra-base hit, a pinch-hit triple, over the first 28 games of the season...Over seven-game period from 6/23-7/2, collected four multi-hit games with a pair of two-double games while batting .409 (9/22)*...Replaced Jerrick Suiter at first base after he was taken out due to injur on 7/18 @ BOW...Came off the bench to play first base for Logan Hill on 7/22 vs. ERI...Made first three professional starts at first base from 7/23 (1)-7/24...Made first professional pitching performance on 7/19 @ BOW and threw a scoreless eighth inning of an 11-3 loss...*2-for-27 (.074) with 11 strikeouts in last 13 games from 7/7*...Converted to a right-handed pitcher and assigned to Class A Greensboro for the remainder of the season...Made 10 outings on the mound for the Grasshoppers and held a 10.32 ERA (13 ER/11.1 IP) in 10 games...Struck out 15 hitters in 11.1 innings for an 11.9 SO/9 IP ratio

#10 Chris Sharpe

Bats: Right Throws: Right

.216, 11 HR, 38 RBI, 14 2B, 1 3B, 2 SB

LONGEST HIT STREAK: 4 games, 8/27-8/30

STARTS (POSITION): LF (55), CF (4), DH (1)

LONG ON-BASE STREAK: 12 games, 7/12-7/23 (1)

STARTS (ORDER): 2nd (47), 5th (3), 6th (4), 7th (4), 8th (2)

PINCH-HITTING: .200, (1/5), 2 RBI, SF, BB

MULTI-HIT GAMES: 12

- **2019 NOTES:** **2019 FLORIDA STATE LEAGUE ALL-STAR**...Began the season with A-Adv. Bradenton...Made A-Adv. debut as Opening Day starter in left field for Marauders on 4/4 and delivered a sacrifice fly in the fifth for the game's only run...Sputtered over first nine games, going 2-for-26 (.077) from 4/4-4/14...*Broke out for FSL Player of the Week for 4/15-4/21 with five multi-hit games and batted .478 (11/23) with five extra-base hits, including his first two homers of the season*...After finishing April with a .240 average, batted .299 over 26 games in May...Hit first career grand slam during the seventh inning on 5/28 vs. LAK...*Doubled in five straight games from 6/6-6/10*...Recorded a career-high five RBIs on 6/9 @ DUN during a 3-for-4 day that included a first inning single, a two-run single in the second and a two-run double in the seventh...Selected to the Florida State League All-Star Game on 6/15, appeared as a pinch-hitter in the sixth inning and popped out in his only plate appearance...*Batted .397 (29/73) from 5/26-6/19, the last 21 games with A-Adv. Bradenton with seven multi-hit games*...Promoted to Double-A Altoona on 6/20...*At the time of call-up, ranked second in the Florida State League with .385 on-base percentage, third with a .836 OPS, sixth with a .292 batting average, fourth with 15 steals and 17 doubles, sixth with 66 hits, eighth with 24 extra-base hits and third with eight hit-by-pitch*...Also hit five home runs for the Marauders...Made Double-A debut on 6/21 @ HFD in left field and second in the batting order...Doubled to left in first at bat with the Curve and singled in second plate appearance...Crushed first Double-A home run in second game on 6/22 @ HFD to tie the game, 3-3, before the Yard Goats rebounded for a 7-3 win...Hit walk-off single in bottom of ninth on 6/29 vs. BNG (2)...Hit go-ahead grand slam, the second of the season and of his career, onto the hill in left field in six-run fourth inning during 8-5 win on 6/30 vs. BNG...Hit game-tying, two-run double in top of the eighth and went 2-for-4 with three RBIs in 5-4 win on 7/1 @ AKR...Drove in three runs with a two-run homer and an RBI single in 6-5 comeback win on 7/4 vs. ERI...Broke 0-for-15 slide with a double in the fifth inning on 7/13 @ ERI...Broke a 6-6 tie with a game-winning, two-run homer in top of ninth in 8-6 comeback win on 7/21 @ BOW...Notched first three-hit game at Double-A, missing the cycle by a triple during a 3-for-4 performance and scored three runs on 8/5 vs. RIC...Recorded first multi-homer game of his pro career during a 13-10 loss on 8/13 @ HBG with a first-inning solo blast and a two-run shot to pull the Curve within one run (6-5) in the fifth...Hammered 15th homer, his 10th at Double-A, and 30th double of the season between both levels of competition in the same game on 8/23 @ BOW, helping drive in three runs of a 7-0 win...Hit a two-run homer, his 11th of season, walked twice and scored two runs on 8/28 vs. AKR...*Sharpe ranked fifth in the Eastern League with 11 home runs, tied for fourth with 38 RBIs and second with 44 runs scored during his time in the league from 6/21 through the end of the season*...11 home runs ranked third on the team...*Led Curve outfielders with nine outfield assists, which ranked sixth in the E.L.*...Between A-Adv. Bradenton and Double-A Altoona, Sharpe recorded career-highs in home runs (16), doubles (31), RBIs (68), hits (116) and runs (80)...*Ranked tied for second in the Pirates system with 31 doubles, seventh with 16 homers, sixth with 68 RBIs, eighth with 116 hits and second with 80 runs*

#31/44 Jerrick Suiter

Bats: Right Throws: Right

.235, 4 HR, 39 RBI, 14 2B, 2 SB

LONGEST HIT STREAK: 8 games, 5/22-5/31

STARTS (POSITION): 1B (109), DH (2)

LONG ON-BASE STREAK: 12 games, 5/22-6/5

STARTS (ORDER): 3rd (11), 4th (18), 5th (7), 6th (54), 7th (20), 8th (1)

PINCH-HITTING: .200, (1/5)

MULTI-HIT GAMES: 22

- **2019 NOTES:** Spent the entire season with Double-A Altoona as the primary first baseman...Opening Day starter at first base and cleanup hitter on 4/4 @ AKR and delivered a two-run single in the fifth while going 2-for-3 with a walk...*After batting .367 (11/30) through his first eight games of the season, batted .152 (7/46) with two doubles and two RBI through the remaining 15 games of April as average dropped to .237*...During 2-for-4 performance on 5/3 @ RIC, delivered go-ahead RBI single during a four-run ninth for the Curve in a 10-7 comeback win...*Hit .348 (8/23) with two multi-hit games, two doubles, five RBIs and three walks on six-game hitting streak from 5/1-5/6*...Drove home all three runs the Curve scored during a three-game series from 5/21-23 @ NHM, including his first homer of the season with a solo blast on 5/22 @ NHM...Erased 1-0 deficit in second inning on 5/26 @ POR with a two-run homer off Brian Johnson on MLB rehab for the Red Sox...*Hit safely in 21 of 26 starts in month of May, batting .295 (28/95) with two home runs, four doubles, 19 RBIs, six multi-hit games and six multi-RBI games*...*Hit .367 (11/30) with two homers, one double, six RBIs and three two-hit games during season-high eight-game hitting streak from 5/22-5/31*...Reached base safely in 12 straight games from 5/22-6/5...Hit his third home run of season, a solo shot, on 6/27 vs. BNG...*Hit .385 (10/26) on seven-game hitting streak from 6/22-6/28*...Went 2-for-30 over eight games between 6/30-7/11...*Batted .208 (30/144) with four extra-base hits and five multi-hit games from 6/29 through the end of the season*...Connected for three hits and a two-run homer, his fourth of the season, on 7/13 @ ERI...Hit go-ahead, RBI fielder's choice grounder in two-run eighth inning in 6-5 comeback win on 7/17 vs. TRN...Exited game on 7/18 @ BOW after three innings and placed on 7-day injured list on 7/19 with a right groin strain...Activated on 7/30...Hit walk-off, RBI single in the bottom of the 10th in 4-3 comeback win, a game that was suspended on 8/6 vs. RIC and completed on 8/7...Made first professional pitching performance on 8/15 @ HBG and allowed a single to Andrew Stevenson, who went 5-for-5, before he stranded the bases loaded with a pop up...Hit a go-ahead, two-run single and scored a run in 2-for-4 night on 8/28 vs. AKR...Collected two hits for second straight night and drove in eventual winning run with sacrifice fly in the bottom of the eighth in 3-2 win on 8/29 vs. AKR...*Went 6-for-14 (.429) with three RBIs and hit safely in all four games from 8/26-29 vs. AKR*...Came in to pitch during 14-7 loss on 8/31 @ HBG, his second pro pitching performance, retired all four batters he faced and capped the outing with a strikeout...*Seven sacrifice flies were tied for second-most in the Eastern League*...*Finished third among Eastern League first basemen with a .993 fielding percentage*...Also led E.L. first basemen with 925 total chances, 851 putouts, 67 assists and 94 double plays...96 hits were fifth-most on the club

#13 Darnell Sweeney

Bats: Switch Throws: Right

.196, 2 HR, 5 RBI, 3 2B

LONGEST HIT STREAK: 2 games, 4x, last - 8/13-8/14

STARTS (POSITION): 2B (1), 3B (5), LF (5), CF (1), RF (1)

LONG ON-BASE STREAK: 3 games, 8/3-8/5

STARTS (ORDER): 1st (2), 2nd (8), 3rd (2), 7th (1)

PINCH-HITTING: 1.000, (1/1), HR, RBI

MULTI-HIT GAMES: 2

- **2019 NOTES:** Began the year with the Kansas City T-Bones of the independent American Association...Hit .288 with four homers, nine RBIs and eight doubles over 23 games before he contract was sold to the Pittsburgh Pirates...*Formally signed by the Pirates to a minor league deal on 6/15 and assigned to Triple-A Indianapolis*...Made his Pirates organization debut on 6/16 and had an extra-base hit in three straight multi-hit games over his first three games with the Indians...Batted .274 with a pair of home runs and 12 RBIs in 23 games for Indianapolis before he was assigned to Double-A Altoona on 7/29...Made Curve debut as a replacement for Bralin Jackson in left field of suspended game from 5/30 @ TRN that was completed on 7/30 @ TRN, and went 0-for-1 with an outfield assist...Made first start with Curve in right field and batted second on 7/31 @ TRN...With Altoona trailing 2-1, hit a go-ahead, two-run home run on 8/1 vs. TRN (2), his first homer with the club that boosted the Curve to a 4-2 victory...Hit game-winning, RBI double to right-center, scoring Mitchell Tolman from first, with two outs in the eighth inning to break scoreless tie in 1-0 win on 8/8 vs. REA...Went 2-for-5 with a double, a single and scored a run on 8/10 vs. REA...Delivered pinch-hit, solo homer in eighth inning on 8/13 @ HBG, Altoona's first pinch-hit homer since Jonathan Schwind on 8/9/17...Assigned back to Triple-A Indianapolis on 8/16...Went 0-for-16 over six games before he landed on 7-day injured list on 8/23 with a right oblique strain for the remainder of the season...*In 44 games with Double-A Altoona and Triple-A Indianapolis, Sweeney hit .214 with four homers, 18 RBIs, seven doubles and one triple*

#19 Mitchell Tolman

Bats: Left Throws: Right

.254, 4 HR, 32 RBI, 18 2B, 3 3B, 10 SB

LONGEST HIT STREAK: 7 games, 6/29 (2)-7/5

STARTS (POSITION): 2B (101), 3B (2), DH (5)

LONG ON-BASE STREAK: 17 games, 6/24-7/15

STARTS (ORDER): 1st (56), 2nd (18), 3rd (1), 5th (1), 6th (5), 7th (27)

PINCH-HITTING: .200 (1/5), RBI, HBP

MULTI-HIT GAMES: 24

- **2019 NOTES:** Member of Double-A Altoona's Opening Day roster...5Collected the Curve's first hit of the season and went 1-for-4 as the Opening Day starter at second base...Hit first home run of season, a ninth-inning solo blast, on 4/9 @ ERI to break 0-for-12 slide at the plate...Recorded first multi-hit game of season with pair of singles on 4/16 vs. HBG...Hit first triple and double of season during 2-for-3 night on 4/26 vs. RIC...Hit a solo homer, his second of season, and an RBI triple in 3-for-4 day on 4/28 vs. RIC...Went 3-for-3 with solo HR, scored three runs and reached base all four times in first game batting leadoff on 5/16 vs. HBG...*Went 6-for-13 over first three games in leadoff role from 5/16-5/18 before 2-for-19 in following five and slotted in three-hole on 5/25*...Reached base in all four plate appearances on 5/26 @ POR with two walks and two doubles, including a three-run double off the Maine Monster during a four-run third...During a double-header on his 25th birthday on 6/8 vs. AKR, Tolman had an RBI in game one and delivered the game-winning, RBI single in the bottom of the sixth during game two to aid the double-header sweep for the Curve...Batted .444 (8/18) over five-game hitting streak from 6/8 (2)-6/13...*Took over leadoff spot on 6/19 and reached base in 39 of 50 games through 8/15, batted .246 (45/183) and ranked third in the E.L. with 34 runs scored and fourth with 28 walks over that period*...Smacked an opposite-field, solo homer to start the fifth inning on 6/21 @ HFD to tie the game, 5-5, before the Curve claimed a lead that would be lost in the eighth inning of a 7-6 defeat...*Hit .306 with 10 RBIs and went 7-for-8 in stolen base attempts in 26 games in June*...Reached base safely 15 times (seven hits, eight walks) in six-game stretch from 6/24-6/29...*Hit .279 (17/61) with 15 walks for a .429 on-base percentage and scored 14 runs on season-best 17-game on-base streak from 6/24-7/15, the longest on-base streak by a Curve hitter in 2019*...Went 4-for-4 with a double, an RBI and scored two runs in suspended game from 5/30 @ TRN that was completed on 7/30 @ TRN...Reached base in 33 of 37 games 6/19-7/31 and batted .270 (37/137) with nine extra-base hits, 29 runs (led E.L.), 24 walks (second in E.L.) with .394 on-base percentage (fourth in E.L.)...*Went 8-for-46 (.174) over first 13 games in August, but hit safely in 5 of 6 from 8/7-8/13 with a .304 (7/23) mark*...Promoted to Triple-A Indianapolis on 8/16...Hit .273 (9/33) over 12 games with five extra-base hits, including two homers that were both hit on 8/21 @ TOL (2) during his third career multi-homer game...*Combined to hit .256 with six homers, 36 RBIs, 20 doubles and scored 63 runs in 128 games between Double-A Altoona and Triple-A Indianapolis*...47 walks for Double-A Altoona led the team, 10 stolen bases were second-best and 102 hits were fourth-most...63 runs ranked 10th in the Pirates system while 52 walks ranked third

#2/13/28 Adrian Valerio

Bats: Switch Throws: Right

.198, 0 HR, 10 RBI, 2 2B, 2 3B, 1 SB

LONGEST HIT STREAK: 10 games, 8/22-9/1

STARTS (POSITION): 2B (14), SS (16)

LONG ON-BASE STREAK: 10 games, 8/22-9/1

STARTS (ORDER): 1st (1), 2nd (1), 8th (12), 9th (16)

PINCH-HITTING: .000, (0/1), BB

MULTI-HIT GAMES: 4

- **2019 NOTES:** Started the season with A-Adv. Bradenton...Assigned to Double-A Altoona on 4/26...Batted .200 (11/55) over first 16 games of the season with Bradenton...Singled to left field on first pitch at Double-A and went 2-for-4 with a stolen base on 4/26 vs. RIC...Capped the Curve's four-run ninth inning on 5/3 @ RIC with a two-run triple and snapped an 0-for-10 slide...Hit solely right-handed all season until 5/19 vs. HBG, returning to switch hitting and came through with an RBI single in his first plate appearance of the season from the left side...Assigned to A-Adv. Bradenton on 5/31...*Batted .261 (46/175) with five doubles, two homers and 13 RBIs over 53 games until he was brought back to Altoona on 8/16*...*Batted .283 (15/53) over second Double-A stint of the season, spanning 15 games through the end of the season*...Hit an RBI double off MLB rehabber Danny Salazar and scored a run on 8/28 vs. AKR...*Hit safely in each of his last 10 games of the season, the second-longest of his career, from 8/22 through the end of the season and went 12-for-36 (.333) with two doubles, one triple and six RBIs*...10-game hitting streak was tied for the longest by a Curve hitter in 2019

2019 RECORD BREAKDOWNS/HIGHS & LOWS

RECORD BREAKDOWN

	TOTAL	HOME	ROAD
Overall Record	69-71	39-32	30-39
First Half	36-32	17-17	19-15
Second Half	33-39	22-15	11-24
vs. Western Division	52-44	29-21	23-23
vs. Eastern Division	17-27	10-10	7-17
Day Games	14-19	5-10	9-9
Night Games	55-52	34-22	21-30
Day Game After Night	10-16	4-9	6-7
Curve Score 1st	40-20	22-6	18-14
Opponent Scores 1st	29-51	17-26	12-25
Come From Behind Wins	37	18	19
vs. RH Starters	46-52	27-25	19-27
vs. LH Starters	23-19	12-7	11-12
Curve Starter 6.0 + IP	44-30	30-13	14-17
Curve Starter 7.0 + IP	22-5	16-3	6-2
Curve Starter 8.0 + IP	3-0	2-0	1-0
When Hitting a HR	32-24	14-8	18-16
When Not Hitting a HR	37-47	25-24	12-23
Outhit Opponent	44-17	28-7	16-10
Equal # of Hits	7-7	2-5	5-2
Outhit by Opponent	18-47	9-20	9-27
Commit 0 Errors	42-34	23-12	19-22
Commit 1 Error	19-28	11-14	8-14
Commit 2+ Errors	8-9	5-6	3-3
Leading After 7th	53-4	32-2	21-2
Trailing After 7th	8-59	3-23	5-36
Tied After 7th	8-8	4-7	4-1
Leading After 8th	54-2	31-2	23-0
Trailing After 8th	4-56	2-23	2-33
Tied After 8th	6-4	3-3	3-1
Extra-Inning Games	7-4	4-2	3-2
Double-headers	6-8	3-5	3-3
Series Record	19-21-2	12-9-0	7-12-2
One-Run Games	22-23	15-9	7-14
Two-Run Games	13-16	8-11	5-5
3+Run Games	34-32	16-12	18-20
Shutout Record	18-13	9-4	9-9
April Record	12-12	4-7	8-5
May Record	12-16	6-6	6-10
June Record	19-9	11-6	8-3
July Record	11-16	6-8	5-8
August Record	15-16	12-5	3-13
September Record	0-2	--	0-2
Monday Record	8-8	4-5	4-3
Tuesday Record	8-14	6-5	2-9
Wednesday Record	9-10	4-6	5-4
Thursday Record	11-8	7-1	4-7
Friday Record	9-11	4-6	5-5
Saturday Record	13-12	7-6	6-6
Sunday Record	11-8	7-3	4-5
1st Game of Series	19-23	12-9	7-14
Last Game of Series	24-18	13-8	11-10
Rubber Game of Series	8-7	6-5	2-2
Getaway Day	11-11	1-0	10-11

VS. EASTERN LEAGUE OPPONENTS

	TOTAL	HOME	ROAD
vs. Akron	14-4	8-3	6-1
vs. Binghamton	6-4	3-2	3-2
vs. Bowie	5-9	3-3	2-6
vs. Erie	13-10	7-6	6-4
vs. Harrisburg	7-13	5-5	2-8
vs. Hartford	3-3	2-1	1-2
vs. New Hampshire	1-5	1-2	0-3
vs. Portland	3-4	2-1	1-3
vs. Reading	1-5	1-2	0-3
vs. Richmond	13-8	6-4	7-4
vs. Trenton	3-6	1-2	2-4
TOTALS	69-71	39-32	30-39

2019 STREAKS/OFFENSIVE SUPERLATIVES

10+ GAME HITTING STREAKS

Jared Oliva, 10 games, 7/13-7/22
Adrian Valerio, 10- games, 8/22-active

15+ GAME ON-BASE STREAKS

Logan Hill, 16 games, 5/2-5/19
Mitchell Tolman, 17 games, 6/24-7/15

MULTI-HOMER GAMES

Chris Sharpe (2 HR), 8/13 @ HBG
Jason Delay (2 HR), 8/21 vs. HFD

BACK-TO-BACK HOME RUNS

Hill & Owen, 6th inning, 5/15 @ BNG
Owen & Madris, 9th inning, 6/3 @ ERI

WALK-OFF WINNERS

Bligh Madris, RBI single (12th inning), 4/11 vs. AKR
Hunter Owen, two-run HR (9th inning), 6/1 vs. NH
Chris Sharpe, RBI single (9th inning), 6/29 vs. BNG (2)
Robbie Glendinning, two-run double (10th inning), 7/4 vs. ERI
Jerrick Suiter, RBI single (10th inning), 8/6 vs. RIC

FIRST-INNING LEADOFF HOME RUNS

Jared Oliva, 5/3 @ RIC

4+ HIT GAMES

Logan Hill, (4-for-5, HR, 2B), 4/8 @ ERI
Bralin Jackson, (4-for-5, 2B), 5/4 @ RIC
Jason Delay, (4-for-5, 3B), 5/4 @ RIC
Jason Delay, (4-for-4, 2 2B), 5/19 vs. HBG
Mitchell Tolman, (4-for-4), 5/30 @ TRN
Logan Hill, (4-for-4, 3B), 7/16 vs. TRN
Oneil Cruz, (4-for-5, 3B), 8/13 @ HBG

4+ RBI GAMES

Hunter Owen, 5 RBI, 4/5 @ AKR
Hunter Owen, 4 RBI, 5/2 @ RIC
Jason Delay, 5 RBI, 5/10 vs. ERI
Logan Hill, 4 RBI, 6/8 vs. AKR (1)
Chris Sharpe, 4 RBI, 6/30 vs. BNG
Jared Oliva, 5 RBI, 7/13 @ ERI
Logan Hill, 4 RBI, 7/17 vs. TRN
Jason Delay, 5 RBI, 8/21 vs. HFD

2019 SEASON HIGHS/LOWS

TEAM MISCELLANEOUS

LONGEST WINNING STREAK..... 5 games, 4/4-4/8
LONGEST LOSING STREAK..... 6 games, 2x, 4/13-4/18 & 7/23-7/27
LARGEST MARGIN OF VICTORY..... 7 runs, 5x, last -- 8/28 vs. AKR
LARGEST MARGIN OF DEFEAT..... 11 runs, (12-1), 8/15 @ HBG
LARGEST SHUTOUT WIN..... 7-0, 2x, 4/26 vs. RIC & 8/23 @ BOW
LARGEST SHUTOUT LOSS..... 7-0, 2x, 4/13 vs. AKR (2) & 5/14 (1) @ BNG
LARGEST COMEBACK TO WIN..... 6 runs (6-0), 7/21 @ BOW
LONGEST GAME, TIME..... 3:26, 2x, 4/11 vs. AKR & 7/27 vs. RIC
LONGEST 9-INNING GAME TIME..... 3:19, 6/3 @ ERI
SHORTEST 9-INNING GAME TIME..... 1:56, 4/22 @ HBG
LONGEST 7-INNING GAME TIME..... 2:38, 4/13 vs. AKR (2)
SHORTEST 7-INNING GAME TIME..... 1:27, 8/1 @ TRN (1)
LONGEST GAME, INNINGS..... 12, 4/11 vs. AKR
LONGEST HOME GAME, INNINGS..... 12, 4/11 vs. AKR
LONGEST ROAD GAME, INNINGS..... 10, 3x, last -- 8/14 @ HBG
LARGEST CROWD, HOME..... 8,806, 7/4 vs. ERI
SMALLEST CROWD, HOME..... 2,171, 4/15 vs. HBG
LARGEST CROWD, ROAD..... 8,473, 8/24 @ BOW
SMALLEST CROWD, ROAD..... 651, 4/10 @ ERI
MOST ERRORS..... 4, 4/27 vs. RIC
MOST ERRORS BY OPPONENT..... 4, 2x, last - 5/2 @ RIC
MOST CONSECUTIVE GAMES WITHOUT AN ERROR..... 7, 4/5-4/11
MOST LOB..... 14, 2x, last -- 6/17 vs. HBG
FEWEST LOB..... 1, 2x, 4/29 vs. ERI & 8/1 @ TRN (1)

TEAM BATTING

MOST RUNS..... 10, 4x, last - 8/13 @ HBG
MOST RUNS, INNING..... 7, 3rd inning, 5/4 @ RIC
MOST HITS..... 17, 2x, 4/24 @ HBG & 8/13 @ HBG
MOST HITS, INNING..... 6, 4th inning, 4/8 @ ERI
MOST HOME RUNS, GAME..... 5, 8/13 @ HBG
MOST HOME RUNS, INNING..... 2, 3x, last - 5th inning, 8/13 @ HBG
MOST CONSECUTIVE GAMES WITH A HOME RUN..... 4, 5/14(2)-5/17
MOST CONSECUTIVE GAMES WITHOUT A HOME RUN..... 4/15-4/22
MOST DOUBLES, GAME..... 6, 2x, 4/24 @ HBG & 6/28 vs. BNG
MOST TRIPLES, GAME..... 2, 2x, 7/17 vs. TRN & 8/17 vs. BOW
MOST EXTRA-BASE HITS..... 9, 8/13 @ HBG
MOST STOLEN BASES..... 4, 3x, 4/11 vs. AKR, 7/3 @ AKR & 7/7 vs. ERI
MOST STRIKEOUTS, 9-INNING GAME..... 18, 7/12 @ ERI*
MOST STRIKEOUTS, ALL GAMES..... 18, 7/12 @ ERI
MOST WALKS, ALL GAMES..... 10, 2x, 5/3 @ RIC & 7/14 @ ERI

TEAM PITCHING

MOST RUNS ALLOWED..... 14, 2x, 5/12 vs. ERI & 8/31 @ HBG
MOST RUNS ALLOWED, INNING..... 11, 7th inning, 8/31 @ HBG*
MOST HITS ALLOWED..... 19, 8/15 @ HBG
MOST HITS ALLOWED, INNING..... 7, 2x, last -- 7th inning, 8/31 @ HBG
MOST HOME RUNS ALLOWED..... 4, 4/15 vs. HBG
MOST HOME RUNS ALLOWED, INNING..... 2, 7x, last - 3rd inning, 8/4 @ REA
MOST CONSECUTIVE GAMES ALLOWING A HOME RUN..... 7 games, 5/4-5/11
MOST STRIKEOUTS, 9-INNING GAME..... 14, 8/29 vs. AKR
MOST STRIKEOUTS, ALL GAMES..... 14, 8/29 vs. AKR
MOST BASES ON BALLS..... 9, 5/12 vs. ERI
MOST EXTRA-BASE HITS ALLOWED..... 8, 8/13 @ HBG

INDIVIDUAL BATTING

MOST RUNS SCORED..... 3, 10x, last -- Bralin Jackson, 8/31 @ HBG
MOST HITS..... 4, 6x, last -- Oneil Cruz, 8/13 @ HBG
MOST EXTRA-BASE HITS..... 3, 2x, Logan Hill, 4/8 @ ERI & Chris Sharpe, 8/13 @ HBG
MOST DOUBLES..... 2, 14x, last - Oneil Cruz, 8/21 vs. HFD
MOST TRIPLES..... 2, Jared Oliva, 7/17 vs. TRN
MOST HOME RUNS..... 2, 2x, Chris Sharpe, 8/13 @ HBG & Jason Delay, 8/21 vs. HFD
MOST TOTAL BASES..... 10, Chris Sharpe, 8/13 @ HBG
MOST RBI..... 5, 3x, last -- Jason Delay, 8/21 vs. HFD
MOST STOLEN BASES..... 2, 7x, last - Jared Oliva, 7/7 vs. ERI
MOST BASES ON BALLS..... 3, 4x, last - Logan Hill, 7/14 @ ERI
MOST STRIKEOUTS..... 4, 8x, last - Jared Oliva, 9/1 @ HBG
LONGEST HITTING STREAK..... 10 games, Jared Oliva, 7/13-7/22 & Adrian Valerio, 8/22-pres.
LONGEST ON-BASE STREAK..... 17 games, Mitchell Tolman, 6/24-7/15
LONGEST RBI STREAK..... 5 games, 2x, Hunter Owen, 4/23-4/28 & Oneil Cruz, 8/11-8/16

INDIVIDUAL PITCHING

MOST INNINGS PITCHED, STARTER..... 9.0, 2x, Brady, 8/23 @ BOW & Robles, 8/26 vs. AKR
MOST INNINGS PITCHED, RELIEVER..... 5.0, Beau Sulser, 6/11 vs. POR
MOST HITS ALLOWED, STARTER..... 12, Sean Brady, 8/13 @ HBG
MOST HITS ALLOWED, RELIEVER..... 8, Beau Sulser, 5/31 vs. NH
MOST STRIKEOUTS, STARTER..... 10, 2x, Cam Vieaux, 5/22 @ NH & 8/29 vs. AKR
MOST STRIKEOUTS, RELIEVER..... 4, 8x, last - Blake Cederlind, 8/4 @ REA
MOST BASES ON BALLS, STARTER..... 4, 3x, last - Cam Vieaux, 8/14 @ HBG
MOST BASES ON BALLS, RELIEVER..... 5, Yeudy Garcia, 5/12 vs. ERI
MOST EARNED RUNS ALLOWED, STARTER..... 8, James Marvel, 5/12 vs. ERI
MOST EARNED RUNS ALLOWED, RELIEVER..... 6, 4x, last -- Shea Murray, 8/31 @ HBG
MOST CONSECUTIVE SCORELESS IP..... 20.2, James Marvel, 4/15-5/1

GRAND SLAMS

Hunter Owen, 4/5 @ AKR
Chris Sharpe, 6/30 vs. BNG

E.L. PLAYER OF THE WEEK AWARDS

Hunter Owen, 4/22-28
Logan Hill, 8/12-18

WINS TRAILING/TIED AFTER 8 INNINGS (SCORE)

4/11 vs. AKR (1-1), W 3-2, 12 innings
5/3 @ RIC (7-6), W 10-7
6/1 vs. NHM (3-2), W 4-3
6/3 @ ERI (8-3), W 9-8
6/29 vs. BNG (2), (3-3), W 4-3
7/4 vs. ERI (3-3), W 6-5, 10 innings
7/13 @ ERI (7-7), W 10-7, 10 innings
7/21 @ BOW (6-6), W 8-6
8/6 vs. RIC (3-2), W 4-3, 10 innings
8/14 @ HBG (0-0), W 3-0, 10 innings

2019 MISCELLANEOUS STATS

2019 STARTS BY POSITION

Player	C	1B	2B	3B	SS	LF	CF	RF	DH
Alemais	--	--	--	--	12	--	--	--	--
Cervelli	1	--	--	--	--	--	--	--	--
Cruz	--	--	--	--	33	--	--	--	--
Delay	66	--	--	--	--	--	--	--	--
Glendinning	--	--	1	27	19	--	--	--	3
Hill	--	28	--	--	--	37	--	3	45
Jackson	--	--	--	--	--	36	8	19	3
Madris	--	--	--	--	--	1	--	116	9
Medrano	--	--	--	6	--	--	--	--	--
Ngoepe	--	--	--	--	11	--	--	--	--
Oliva	--	--	--	--	--	1	112	--	6
Owen	--	--	--	65	--	--	--	1	2
Pabst	73	--	--	--	--	--	--	--	--
Peurifoy	--	--	--	--	--	5	7	--	--
Pope	--	--	14	27	35	--	--	--	1
Reyes	--	3	9	8	14	--	8	--	--
Sharpe	--	--	--	--	--	55	4	--	1
Suiter	--	109	--	--	--	--	--	--	2
Sweeney	--	--	1	5	--	5	1	1	--
Tolman	--	--	101	2	--	--	--	--	5
Valerio	--	--	14	--	16	--	--	--	--

2019 STARTS BY BATTING ORDER

Player	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
Alemais	2	7	3	--	--	--	--	--	--
Cervelli	--	--	1	--	--	--	--	--	--
Cruz	5	2	5	21	--	--	--	--	--
Delay	--	--	--	--	2	3	36	24	1
Glendinning	2	--	3	18	1	21	3	2	--
Hill	--	--	--	82	31	--	--	--	--
Jackson	4	22	6	1	3	6	5	15	4
Madris	1	7	41	--	42	34	1	--	--
Medrano	--	1	--	--	--	--	--	1	4
Ngoepe	--	--	--	--	--	--	--	3	8
Oliva	45	12	62	--	--	--	--	--	--
Owen	--	2	5	--	50	11	--	--	--
Pabst	--	--	--	--	--	2	38	32	1
Peurifoy	1	--	--	--	--	--	--	1	10
Pope	18	4	--	--	--	--	5	34	16
Reyes	3	9	--	--	--	--	--	13	17
Sharpe	--	47	--	--	3	4	4	2	--
Suiter	--	--	11	18	7	54	20	1	--
Sweeney	2	8	2	--	--	--	1	--	--
Tolman	56	18	1	--	1	5	27	--	--
Valerio	1	1	--	--	--	--	--	12	16
Pitchers	--	--	--	--	--	--	--	--	63

ERRORLESS STREAKS

Player	Active Strk.	Last Error	Longest Streak
Alemais	12	--	12
Cervelli	1	--	1
Cruz	10	8/23 @ BOW	10
Delay	--	9/1 @ HBG	35
Glendinning	3	8/4 @ REA	15
Hill	15	8/9 vs. REA	28
Jackson	67	--	67
Madris	12	8/19 vs. HFD	87
Medrano	8	--	8
Ngoepe	6	7/11 @ ERI	6
Oliva	114	--	114
Owen	6	6/12 vs. POR	25
Pabst	10	8/10 vs. REA	62
Pope	16	8/16 vs. BOW	31
Peurifoy	14	--	14
Reyes	15	7/2 @ AKR	15
Sharpe	24	7/31 @ TRN	24
Suiter	34	7/7 vs. ERI	34
Sweeney	9	8/5 vs. RIC	9
Tolman	1	8/13 @ HBG	25
Valerio	6	8/25 @ BOW	16

OUTFIELD ASSISTS

28

Player	Total	Last Assist
Logan Hill	1	5/4 @ RIC
Bralin Jackson	6	6/17 vs. HBG
Bligh Madris	5	8/8 vs. RIC
Jared Oliva	3	8/22 @ BOW
Ryan Peurifoy	1	5/1 vs. ERI
Alfredo Reyes	1	5/12 vs. ERI
Chris Sharpe	9	8/16 vs. BOW
Darnell Sweeney	2	8/2 @ REA

CATCHER'S BOX

37-128 (28.9%)

Player	Caught	Att.	Percent	Last CS
Cervelli	--	--	--	--
Delay	17	71	24%	8/16 vs. BOW
Pabst	20	57	35%	8/1 @ TRN (2)

ERRORS BY POSITION (OUTFIELD ASSISTS)

89 E (.982 - T-1ST), 134 DP (1st)

Left Field		Shortstop		Third Base	
Player	E (A)	Player	E	Player	E
Hill	2 (1)	Alemais	0	Glendinning	5
Jackson	0 (4)	Cruz	9	Medrano	0
Madris	0 (0)	Glendinning	4	Owen	5
Medrano	0 (0)	Ngoepe	3	Pope	2
Oliva	0 (0)	Pope	5	Reyes	1
Peurifoy	0 (0)	Reyes	2	Tolman	0
Sharpe	3 (9)	Valerio	1		
Suiter	0 (0)				
Sweeney	0 (1)				

Center Field		Second Base		Catcher	
Player	E (A)	Player	E	Player	E (PB)
Jackson	0 (0)	Glendinning	0	Cervelli	0 (0)
Oliva	0 (3)	Pope	1	Delay	3 (8)
Peurifoy	0 (1)	Reyes	1	Pabst	1 (7)
Reyes	1 (1)	Sweeney	1		
Sharpe	0 (0)	Tolman	12		
Sweeney	0 (1)	Valerio	2		

Right Field		First Base	
Player	E (A)	Player	E
Hill	0 (0)	Hill	3
Jackson	0 (2)	Owen	0
Madris	3 (5)	Reyes	0
Owen	0 (0)	Suiter	7
Reyes	0 (0)		
Sweeney	0 (0)		

THE LAST TIME...

Altoona scored 10 or more runs (game)..... 10, 8/13/19 at Harrisburg
 Altoona scored 10 or more runs (inning)..... 10, 8/7/10 at Harrisburg
 Altoona scored 15 or more runs (game)..... 18, 7/21/15 vs. Erie (G1)**
 Opponent scored 10 or more runs (game)..... 14, 8/31/19 at Harrisburg
 Opponent scored 10 or more runs (inning)..... 11, 7th inning, 8/31/19 at Harrisburg*
 Opponent scored 15 or more runs (game)..... 17, 9/3/18 at Bowie

Altoona collected 15+ hits in a game..... 17, 8/13/19 at Harrisburg
 Altoona collected 20+ hits in a game..... 24, 7/21/15 vs. Erie (1)*
 Opponent collected 15+ hits in a game..... 19, 8/15/19 at Harrisburg
 Opponent collected 20+ hits in a game..... 20, 9/3/18 at Bowie

Altoona hits an inside-the-park HR..... Will Craig, 4/10/18 vs. Harrisburg
 Altoona hits a walk-off HR..... Hunter Owen, 2-run home run, 6/1/19 vs. New Hampshire
 Altoona hits a pinch-hit HR..... Darnell Sweeney, 8/13/19 at Harrisburg
 Altoona hits a grand slam..... Chris Sharpe, 6/30/19 vs. Binghamton
 Altoona hits back-to-back HRs..... Hunter Owen/Bligh Madris, 6/3/19 @ Erie
 Altoona hits leadoff HR to start game..... Jared Oliva, 5/3/19 at Richmond
 Altoona pitcher hits a HR..... Beau Sulser, 5/14/19 at Binghamton (2)

Opponent hits an inside-the-park HR..... Nick Noonan, 5/3/10 at Richmond
 Opponent hits a walk-off HR..... Alec Bohm, two-run, 8/4/19 @ Reading
 Opponent hits a pinch-hit HR..... Art Charles, 6/11/15 at Reading
 Opponent hits a grand slam..... Austin Stevenson, 8/31/19 at Harrisburg
 Opponent hits back-to-back HRs..... Chris Shaw/Jalen Miller, 5/5/19 at Richmond
 Opponent hits leadoff HR to start game..... Jeremy Rivera, 5/26/19 at Portland

Altoona batter hits for the cycle..... 4/9/13, Andrew Lambo at Akron
 Altoona batter records 5+ hits in a game..... 5, 15x, last - Wyatt Mathisen, 8/3/17 vs. Erie
 Altoona batter has 5+ RBI in a game..... 5, Jason Delay, 8/21/19 vs. Hartford

Opponent batter hits for the cycle..... Lou Montanez, 8/1/08 vs. Bowie
 Opponent batter records 5+ hits in a game..... Juan Perez, 4/20/12 vs. Richmond
 Opponent batter has 5+ RBI in a game..... 5, Kody Eaves, 7/13/19 at Erie

Altoona threw a no-hitter (9 IP) (one pitcher)..... N/A
 Altoona threw a no-hitter (9 IP) (combined).....
 E. Hollingsworth/J. Townsend/J. Ramos/R. Beckman, 7/25/13 at New Hampshire
 Altoona threw a no-hitter (7 IP) (combined)..... N/A

Opponent threw a no-hitter (9 IP)..... Casey Mize, 4/29/19 vs. Erie
 Opponent threw a no-hitter (9 IP) (combined).....
 D. Crouthers/A. Mitchell/J. Sequea, 8/19/04 vs. Bowie
 Opponent threw a no-hitter (7 IP)..... Brian Keller, 8/1/19 @ Trenton (1)
 Opponent threw a no-hitter (7 IP) (combined).....
 C. James/C. Kimball/Z. Zinicola, 6/10/10 vs. Harrisburg (2)

Altoona threw a complete-game shutout (9 IP)..... Domingo Robles, 8/26/19 vs. Akron
 Altoona threw a complete-game shutout (7 IP)..... Domingo Robles, 6/8/19 vs. Akron (1)
 Altoona threw back-to-back shutouts (team)..... 8/26/19-8/27/19 vs. Akron

Opponent threw a complete-game shutout (9 IP)..... Casey Mize, 4/29/19 vs. Erie
 Opponent threw a complete-game shutout (7 IP)..... Brian Keller, 8/1/19 @ Trenton (1)
 Opponent threw back-to-back shutouts (team)..... 9/1-9/2/19 at Harrisburg

Altoona wins in last at bat..... Chris Sharpe fielder's choice sacrifice bunt, 8th inning, 8/18/19 vs. Bowie
 Opponent wins in last at bat..... Welker RBI single, Vizcaino RBI fielder's choice, 9th inning, 8/20/19 vs. Hartford

Altoona swept double-header..... 6/8/19 vs. Akron
 Opponent swept double-header..... 7/23/19 vs. Erie

Altoona pitcher strikes out:
 10..... Cam Vieaux, 8/29/19 vs. Akron
 11..... Mitch Keller, 9/1/17 vs. Harrisburg
 12+..... 12, Tyler Glasnow, 7/27/15 at Akron

Opponent pitcher strikes out:
 10..... Tarik Skubal, 7/12/19 at Erie
 11..... Kyle McGowin, 8/30/19 at Harrisburg
 12+..... 12, Bryan Evans, 6/3/15 vs. New Britain

Altoona turns a triple play..... Chase d'Arnaud/Matt Hague (6-3), 5/27/10 at Akron
 Opponent turns a triple play..... Kellin Deglan/Kyle Holder (2-6), 7/15/19 vs. Trenton

* - Franchise Record
 ** - Tied Franchise Record

2019 GAME-BY-GAME

DATE	OPPONENT	TIME/RESULT	REC	PLACE G (+/-)	WINNER	LOSER	SAVE	TIME	GT TEMP	ATT.
4/4	at Akron	W, 5-0	1-0	T-1st --	James Marvel (1-0)	Sam Hentges (0-1)	--	2:39	49	5,191
4/5	at Akron	W, 7-6	2-0	1st +0.5	Dario Agrazal (1-0)	Luke Eubank (0-1)	Yeudy Garcia (1)	2:51	56	2,576
4/6	at Akron	W, 2-0	3-0	T-1st --	Beau Sulser (1-0)	Sean Brady (0-1)	Matt Eckelman (1)	2:29	64	3,188
4/7	at Akron	W, 3-2	4-0	1st +1.0	Vicente Campos (1-0)	Argenis Angulo (0-1)	Matt Eckelman (2)	2:34	72	4,838
4/8	at Erie	W, 6-3	5-0	1st +1.0	Pedro Vasquez (1-0)	Logan Shore (0-1)	--	2:24	60	2,229
4/9	at Erie	L, 4-3	5-1	T-1st --	Joe Navilhon (1-0)	James Marvel (1-1)	Edgar Jimenez (1)	2:27	50	895
4/10	at Erie	L, 5-1	5-2	2nd -0.5	Matt Manning (2-0)	Dario Agrazal (1-1)	--	2:00	39	651
4/11	Akron	W, 3-2 (12)	6-2	2nd -1.0	Tate Scioneaux (1-0)	Rob Kaminsky (0-1)	--	3:26	58	5,023
4/12	Akron	--	--	--	PPD: RAIN - RESCHEDULED TO APRIL 13 --					
4/13 (1)	Akron	L, 7-0	6-3	2nd -2.0	Zach Plesac (1-0)	Scotter Hightower (0-1)	--	1:55	68	--
4/13 (2)	Akron	L, 10-7	6-4	2nd -3.0	Luke Eubank (1-1)	Tate Scioneaux (1-1)	James Karinchak (1)	2:38	71	5,014
4/14	Akron	--	--	--	PPD: RAIN - RESCHEDULED TO JUNE 8 --					
4/15	Harrisburg	L, 4-2	6-5	4th -3.5	Mario Sanchez (2-0)	Vicente Campos (1-1)	--	2:43	42	2,171
4/16	Harrisburg	L, 2-1	6-6	4th -4.5	Erick Fedde (2-0)	Angel German (0-1)	James Bourque (2)	2:17	64	2,794
4/17	Harrisburg	L, 2-0	6-7	4th -5.5	Sterling Sharp (2-1)	Cam Vieaux (0-1)	Joan Baez (1)	2:03	54	2,777
4/18	at Richmond	L, 8-4	6-8	4th -6.5	Conner Menez (1-1)	Scotter Hightower (0-2)	--	2:31	80	7,959
4/19	at Richmond	--	--	--	PPD: SEVERE WEATHER - RESCHEDULED TO APRIL 20 --					
4/20 (1)	at Richmond	W, 2-0	7-8	4th -6.5	James Marvel (2-1)	Garrett Williams (0-1)	--	2:03	67	--
4/20 (2)	at Richmond	W, 1-0 (8)	8-8	T-3rd -6.0	Beau Sulser (2-0)	Melvin Adon (0-2)	Matt Eckelman (3)	1:51	63	7,164
4/22	at Harrisburg	L, 1-0	8-9	T-3rd -7.0	Joan Baez (2-0)	Vicente Campos (1-2)	Aaron Barrett (4)	1:56	70	1,991
4/23	at Harrisburg	L, 5-4	8-10	T-3rd -8.0	Dan Jennings (1-0)	Jake Brentz (0-1)	James Bourque (3)	2:30	73	1,864
4/24	at Harrisburg	W, 10-5	9-10	3rd -7.5	Beau Sulser (3-0)	Sterling Sharp (2-2)	--	3:01	62	3,788
4/26	Richmond	W, 7-0	10-10	3rd -7.0	James Marvel (3-1)	Garrett Williams (0-2)	--	2:24	52	2,967
4/27	Richmond	L, 8-5	10-11	3rd -7.5	Melvin Adon (1-2)	Blake Weiman (0-1)	Rodolfo Martinez (1)	2:41	58	3,632
4/28	Richmond	W, 8-6	11-11	2nd -7.5	Matt Eckelman (1-0)	Ryan Halstead (1-1)	Vicente Campos (1)	3:02	46	3,721
4/29	Erie	L, 1-0	11-12	T-2nd -8.0	Casey Mize (1-0)	Cam Vieaux (0-2)	--	2:02	56	2,426
4/30	Erie	W, 5-3	12-12	2nd -8.5	Scotter Hightower (1-2)	Matt Manning (2-1)	Matt Eckelman (4)	2:25 (:35)	67	2,486
5/1	Erie	L, 3-1	12-13	T-3rd -8.5	Alex Faedo (2-1)	James Marvel (3-2)	Will Vest (1)	2:28	56	4,077
5/2	at Richmond	W, 9-2	13-13	2nd -8.5	Pedro Vasquez (2-0)	Ryan Halstead (1-2)	--	2:53	85	6,417
5/3	at Richmond	W, 10-7	14-13	2nd -7.5	Blake Weiman (1-1)	Franklin Van Gorp (0-1)	--	3:16	83	6,757
5/4	at Richmond	W, 8-3	15-13	2nd -7.5	Cam Vieaux (1-2)	Sandro Cabrera (0-1)	--	2:48	85	6,475
5/5	at Richmond	L, 6-0	15-14	3rd -8.0	Conner Menez (2-1)	Scotter Hightower (1-3)	--	2:01	73	4,317
5/6	Bowie	L, 10-5	15-15	3rd -8.5	Hunter Harvey (1-2)	James Marvel (3-3)	--	2:38	72	3,671
5/7	Bowie	W, 3-2	16-15	3rd -7.5	Pedro Vasquez (3-0)	Zac Lowther (2-3)	Matt Eckelman (5)	2:02	75	3,312
5/8	Bowie	L, 12-2	16-16	3rd -7.5	Alex Wells (2-1)	Sean Brady (0-3)	--	2:50	62	8,074
5/10	Erie	W, 8-4	17-16	3rd -6.5	Beau Sulser (4-0)	Francisco Perez (1-1)	--	2:46	70	4,191
5/11	Erie	W, 2-1	18-16	2nd -6.0	Scotter Hightower (2-3)	Matt Manning (3-2)	Tate Scioneaux (1)	2:17	63	4,147
5/12	Erie	L, 14-4	18-17	3rd -6.5	Logan Shore (2-2)	James Marvel (3-4)	--	2:51 (:33)	52	2,654
5/13	at Binghamton	--	--	--	PPD: RAIN - RESCHEDULED TO MAY 14 --					
5/14 (1)	at Binghamton	L, 7-0	18-18	3rd -8.0	Anthony Kay (4-2)	Pedro Vasquez (3-1)	--	1:46	46	--
5/14 (2)	at Binghamton	L, 5-1	18-19	3rd -9.0	Ryley Gilliam (2-0)	Blake Weiman (1-2)	--	2:11	46	1,584
5/15	at Binghamton	W, 9-8	19-19	3rd -9.0	Sean Brady (1-3)	David Roseboom (1-1)	Angel German (1)	2:54	53	6,968
5/16	Harrisburg	W, 8-1	20-19	3rd -8.0	Cam Vieaux (2-2)	Wil Crowe (4-2)	--	2:07	72	3,481
5/17	Harrisburg	L, 7-5	20-20	3rd -9.0	Jackson Tetreault (2-1)	Scotter Hightower (2-4)	Aaron Barrett (9)	2:48	72	4,302
5/18	Harrisburg	W, 8-2	21-20	2nd -8.0	James Marvel (4-4)	Sterling Sharp (4-3)	--	2:45	80	5,074
5/19	Harrisburg	W, 6-4	22-20	2nd -7.0	Angel German (1-1)	Jacob Condra-Bogan (1-1)	Blake Weiman (1)	2:18 (:16)	82	4,673
5/21	at New Hampshire	L, 5-0	22-21	T-2nd -7.0	Yennsy Diaz (4-3)	Sean Brady (1-4)	--	2:20	61	3,114
5/22	at New Hampshire	L, 2-1	22-22	T-2nd -7.0	Hector Perez (3-2)	Cam Vieaux (2-3)	Bryan Baker (3)	2:25	70	3,276
5/23	at New Hampshire	L, 7-2	22-23	3rd -7.0	Patrick Murphy (3-4)	Scotter Hightower (2-5)	--	2:33	67	5,539
5/24	at Portland	L, 1-0	22-24	4th -8.0	Denyi Reyes (1-6)	James Marvel (4-5)	Jordan Weems (4)	2:12	61	7,368
5/25	at Portland	L, 5-3	22-25	4th -8.0	Tanner Houck (4-4)	Matt Eckelman (1-1)	Brian Ellington (1)	2:22	73	7,052
5/26	at Portland	W, 7-2	23-25	T-3rd -6.5	Sean Brady (2-4)	Brian Johnson (0-1)	--	2:35	76	7,368
5/27	at Portland	L, 7-3	23-26	4th -7.5	Durbin Feltman (2-1)	Matt Eckelman (1-2)	--	3:02	72	7,040
5/28	at Trenton	L, 6-5	23-27	4th -8.5	Trevor Lane (3-0)	Yeudy Garcia (0-1)	Daniel Alvarez (7)	2:26 (1:24)	79	4,020
5/29	at Trenton	--	--	--	PPD: SEVERE WEATHER - RESCHEDULED TO MAY 30 --					
5/30 (1)	at Trenton (on 7/30)	W, 6-0	24-27	4th -8.5	Yeudy Garcia (1-0)	Deivi Garcia (2-3)	--	2:05 (3:02)	69	5,214
5/30 (2)	at Trenton	--	--	--	PPD: RAIN - RESCHEDULED TO AUGUST 1 --					
5/31	New Hampshire	L, 5-4	23-28	4th -9.5	Taylor Saucedo (2-0)	Joel Cesar (0-1)	Ty Tice (3)	2:44	76	5,365
6/1	New Hampshire	W, 4-3	24-28	4th -8.5	Angel German (2-1)	Vinny Nitoli (0-1)	--	2:22	80	5,048
6/2	New Hampshire	L, 4-1	24-29	4th -9.5	Patrick Murphy (4-5)	Domingo Robles (0-1)	Bryan Baker (4)	2:17	71	4,227
6/3	at Erie	W, 9-8	25-29	4th -9.0	Vicente Campos (2-2)	Will Vest (1-3)	Angel German (2)	3:19	58	3,421
6/4	at Erie	W, 3-0	26-29	4th -8.5	Pedro Vasquez (4-1)	Logan Shore (2-5)	Beau Sulser (1)	2:28	62	3,411
6/5	at Erie	W, 6-2	27-29	T-3rd -8.5	Blake Cederlind (1-0)	Alex Faedo (3-4)	--	2:36 (1:39)	71	2,556
6/7	Akron	L, 5-1	27-30	4th -8.5	Eli Morgan (4-0)	Sean Brady (2-5)	--	2:25	77	5,691
6/8 (1)	Akron	W, 6-0	28-30	4th -8.0	Domingo Robles (1-1)	Evan Mitchell (0-1)	--	1:50	78	--
6/8 (2)	Akron	W, 2-1	29-30	4th -8.0	James Marvel (5-5)	Jared Robinson (0-1)	Blake Weiman (2)	1:56	75	6,873
6/9	Akron	W, 4-2	30-30	T-2nd -7.0	Pedro Vasquez (5-1)	Tanner Tully (5-5)	Matt Eckelman (6)	2:25	71	5,088
6/11	Portland	W, 5-4	31-30	T-2nd -7.0	Joel Cesar (1-1)	Denyi Reyes (1-8)	Matt Eckelman (7)	2:21	72	4,157
6/12	Portland	L, 6-1	31-31	T-3rd -7.0	Tanner Houck (6-4)	Sean Brady (2-6)	Adam Lau (3)	2:29	71	2,969
6/13	Portland	W, 5-2	32-31	3rd -7.0	James Marvel (6-5)	Matthew Kent (1-2)	Matt Eckelman (8)	2:37 (1:19)	65	4,471
6/14	at Binghamton	W, 6-2	33-31	T-2nd -6.0	Blake Cederlind (2-0)	Harol Gonzalez (3-2)	--	3:01	69	3,949
6/15	at Binghamton	W, 5-1	34-31	2nd -6.0	Pedro Vasquez (6-1)	Luc Rennie (0-1)	--	2:18	70	2,107
6/16	at Binghamton	--	--	--	PPD: RAIN - RESCHEDULED TO JUNE 29 --					
6/17	Harrisburg	L, 4-2	34-32	2nd -6.5	Ben Braymer (4-4)	Sean Brady (2-7)	Aaron Barrett (13)	2:52	71	2,507
6/18	Harrisburg	W, 3-1	35-32	2nd -5.5	Beau Sulser (5-0)	Tyler Mapes (3-3)	Matt Eckelman (9)	2:19	76	3,174

END OF FIRST HALF
START OF SECOND HALF

6/19	Harrisburg	W, 3-1	36-32 (1-0)	T-1st --	James Marvel (7-5)	Steven Fuentes (3-2)	Matt Eckelman (10)	2:24 (:32)	73	4,488
6/21	at Hartford	L, 7-6	36-33 (1-1)	T-4th -1.5	Mitch Horacek (1-0)	Joel Cesar (1-2)	Logan Cozart (5)	2:29	75	6,658
6/22	at Hartford	L, 7-3	36-34 (1-2)	T-4th -2.5	Mitch Horacek (2-0)	Austin Coley (0-1)	--	2:37	76	6,850
6/23	at Hartford	W, 6-1	37-34 (2-2)	4th -2.0	Sean Brady (3-7)	Jack Wynkoop (5-8)	--	2:11	81	6,850
6/24	at Richmond	W, 5-2	38-34 (3-2)	4th -1.0	Beau Sulser (6-0)	Frank Rubio (0-1)	Matt Eckelman (11)	2:53	91	6,802
6/25	at Richmond	W, 5-1	39-34 (4-2)	3rd -1.0	James Marvel (8-5)	Caleb Baragar (2-1)	--	2:38	87	4,628
6/26	at Richmond	L, 6-2	39-35 (4-3)	4th -2.0	Brandon Beachy (3-3)	Cody Bolton (0-1)	--	2:44	89	3,808
6/27	Binghamton	W, 6-3	40-35 (5-3)	3rd -2.5	Domingo Robles (2-1)	Andrew Chruch (0-2)	Matt Eckelman (12)	2:02	88	4,398
6/28	Binghamton	L, 7-5	40-36 (5-4)	4th -2.5	Eric Hanhold (1-0)	Angel German (2-2)	--	2:38	88	6,861
6/29 (1)	Binghamton	L, 2-1	40-37 (5-5)	4th -3.5	Mickey Jannis (4-1)	Brandon Waddell (0-1)	Stephen Villines (5)	1:56 (:45)	75	--
6/29 (2)	Binghamton	W, 4-3 (9)	41-37 (6-5)	4th -3.0	Jesus Liranzo (1-0)	Joseph Shaw (0-3)	--	2:34	74	5,244
6/30	Binghamton	W, 8-5	42-37 (7-5)	T-3rd -3.0	James Marvel (9-5)	Austin McGeorge (0-3)	Matt Eckelman (13)	2:26	83	6,044
7/1	at Akron	W, 5-4	43-37 (8-5)	3rd -3.0	Beau Sulser (7-0)	Kyle Nelson (1-2)	Matt Eckelman (14)	2:32	85	3,174
7/2	at Akron	L, 7-2	43-38 (8-6)	3rd -4.0	Jake Paulson (6-5)	Domingo Robles (2-2)	Robert Broom (1)	2:56 (35)	72	3,408
7/3	at Akron	W, 6-4	44-38 (9-6)	3rd -4.0	Joel Cesar (2-2)	Jordan Stephens (1-1)	Matt Eckelman (15)	2:33	82	7,478
7/4	Erie	W, 6-5 (10)	45-38 (10-6)	3rd -3.0	Austin Coley (1-1)	Will Vest (2-4)	--	2:51	75	8,806
7/5	Erie	W, 3-0	46-38 (11-6)	3rd -2.0	Brandon Waddell (1-1)	Joe Navilhon (1-2)	Beau Sulser (2)	2:47	74	4,573
7/6	Erie	--	--	--	PPD: RAIN - RESCHEDULED TO JULY 23 --					
7/7	Erie	W, 3-2	47-38 (12-6)	3rd -2.5	Blake Cederlind (3-0)	Anthony Castro (3-2)	Matt Eckelman (16)	2:37	80	4,189
7/11	at Erie	L, 5-3	47-39 (12-7)	3rd -3.5	Logan Shore (3-7)	Sean Brady (3-8)	--	2:21	76	2,529
7/12	at Erie	W, 1-0	48-39 (13-7)	3rd -3.5	Brandon Waddell (2-1)	Tarik Skubal (0-1)	Matt Eckelman (17)	2:19	74	4,547
7/13	at Erie	W, 10-7 (10)	49-39 (14-7)	T-2nd -2.5	Jesus Liranzo (2-0)	Drew Carlton (1-3)	--	2:56	85	3,

2019 GAME-BY-GAME

DATE	OPPONENT	TIME/RESULT	REC	PLACE G (+/-)	WINNER	LOSER	SAVE	TIME	GT TEMP	ATT.
7/30 (1)	at Trenton (5/30)	W, 6-0			-- COMPLETED GAME, SUSPENDED FROM MAY 30 --					
7/30 (2)	at Trenton	L, 4-3 (7)	54-52 (18-20)	4th	-10.5	Daniel Alvarez (6-2)	Domingo Robles (2-5)	1:51	94	5,106
7/31	at Trenton	L, 7-2	54-53 (18-21)	4th	-11.0	Nick Green (2-3)	Nick Economos (0-2)	2:38	75	3,552
8/1 (1)	at Trenton	L, 2-0	54-54 (18-22)	4th	-12.0	Brian Keller (3-1)	Pedro Vasquez (6-3)	1:27	85	--
8/1 (2)	at Trenton	W, 4-2	55-54 (19-22)	T-3rd	-11.5	Beau Sulser (8-1)	Shawn Semple (0-2) Matt Eckelman (20)	1:58	83	5,231
8/2	at Reading	L, 5-3	55-55 (19-23)	4th	-11.5	Jonathan Hennigan (3-3)	Sean Brady (3-10) Jakob Hernandez (3)	2:18 (1:33)	73	6,702
8/3	at Reading	L, 7-2	55-56 (19-24)	4th	-12.5	David Parkinson (8-7)	Cody Bolton (1-2) Grant Dyer (1)	2:25	81	8,275
8/4	at Reading	L, 9-7 (10)	55-57 (19-25)	4th	-13.5	Garrett Cleavinger (3-0)	Joel Cesar (2-4)	2:56	88	6,334
8/5	Richmond	W, 6-5	56-57 (20-25)	4th	-13.0	Clay Holmes (1-0)	Caleb Simpson (1-2) Cody Ponce (1)	2:45	80	3,472
8/6	Richmond				-- SUSPENDED DUE TO RAIN - COMPLETED ON 8/7 --					
8/7 (1)	Richmond (8/6)	W, 4-3 (10)	57-57 (21-25)	4th	-12.5	Joel Cesar (3-4)	Raffi Vizcaino (0-4)	2:39	86	4,668
8/7 (2)	Richmond	L, 1-0 (7)	57-58 (21-26)	4th	-13.0	Sam Wolff (1-0)	Sean Brady (3-11) Tyler Cyr (2)	1:45	78	3,654
8/8	Richmond	W, 2-0	58-58 (22-26)	4th	-12.0	Cody Bolton (2-2)	Chase Johnson (0-5) Blake Cederlind (1)	2:20	78	4,540
8/9	Reading	W, 1-0	59-58 (23-26)	3rd	-12.0	Blake Cederlind (4-0)	Garrett Cleavinger (3-1) Matt Eckelman (21)	2:26	77	6,027
8/10	Reading	L, 8-6	59-59 (23-27)	3rd	-13.0	David Parkinson (9-7)	Nick Economos (0-3) Addison Russ (18)	2:52	77	6,874
8/11	Reading	L, 7-3	59-60 (23-28)	3rd	-13.0	Jeff Singer (6-0)	Matt Eckelman (5)	3:10	80	8,656
8/13	at Harrisburg	L, 13-10	59-61 (23-29)	4th	-14.0	Jordan Mills (4-1)	Sean Brady (3-12)	3:10	77	3,375
8/14	at Harrisburg	W, 3-0 (10)	60-61 (24-29)	3rd	-14.0	Blake Cederlind (5-0)	Bryan Bonnell (2-5)	2:41	84	4,490
8/15	at Harrisburg	L, 12-1	60-62 (24-30)	4th	-15.0	Tyler Mapes (6-6)	Cody Bolton (2-3)	2:44	82	4,439
8/16	Bowie	L, 6-2	60-63 (24-31)	4th	-16.0	Cody Sedlock (1-1)	Domingo Robles (2-6) Zach Muckenhirn (5)	2:42	82	6,517
8/17	Bowie	W, 5-0	61-63 (25-31)	T-3rd	-15.0	Pedro Vasquez (7-3)	Zac Lowther (12-7)	2:08	87	7,013
8/18	Bowie	W, 5-4	62-63 (26-31)	3rd	-15.0	Elvis Escobar (1-0)	Jay Flaa (0-1) Blake Cederlind (2)	2:12 (:46)	72	5,821
8/19	Hartford	W, 3-0	63-63 (27-31)	3rd	-14.0	Cam Vieaux (3-3)	Antonio Santos (1-3) Matt Eckelman (22)	2:01	87	3,456
8/20	Hartford	L, 5-4	63-64 (27-32)	T-3rd	-14.5	Jordan Foley (4-4)	Blake Cederlind (5-1) Scott Griggs (14)	2:33	84	4,459
8/21	Hartford	W, 8-2	64-64 (28-32)	T-3rd	-14.0	Domingo Robles (3-6)	Matt Dennis (4-3)	2:21	84	3,231
8/22	at Bowie	L, 9-2	64-65 (28-33)	4th	-14.0	Zac Lowther (13-7)	Pedro Vasquez (7-4)	2:38	90	3,114
8/23	at Bowie	W, 7-0	65-65 (29-33)	4th	-13.0	Sean Brady (4-12)	Alex Wells (8-4)	2:11	67	4,973
8/24	at Bowie	L, 3-2	65-66 (29-34)	4th	-13.0	Michael Baumann (5-2)	Cam Vieaux (3-4) Cristian Alvarado (10)	2:03	75	8,473
8/25	at Bowie	L, 4-3	65-67 (29-35)	4th	-14.0	Tyler Herb (4-2)	Beau Sulser (8-2) Cristian Alvarado (11)	2:35	75	5,649
8/26	Akron	W, 5-0	66-67 (30-35)	4th	-13.0	Domingo Robles (4-6)	Eli Morgan (6-4)	2:04	73	3,333
8/27	Akron	W, 3-0	67-67 (31-35)	4th	-13.0	Pedro Vasquez (8-4)	Kyle Dowdy (0-1) Matt Eckelman (23)	2:05	69	3,662
8/28	Akron	W, 8-1	68-67 (32-35)	3rd	-12.0	Sean Brady (5-12)	Adam Scott (4-5)	2:35	78	3,850
8/29	Akron	W, 3-2	69-67 (33-35)	3rd	-12.0	Cam Vieaux (4-4)	Sam Hentges (2-13) Jesus Liranzo (1)	2:32	77	7,038
8/30	at Harrisburg	L, 4-1	69-68 (33-36)	3rd	-13.0	Kyle McGowan (1-1)	Beau Sulser (8-3) Jhonatan German (1)	2:12	84	5,098
8/31	at Harrisburg	L, 14-7	69-69 (33-37)	4th	-13.0	Bryan Bonnell (3-6)	Yeudy Garcia (1-2)	3:08	78	4,766
9/1	at Harrisburg	L, 3-0	69-70 (33-38)	4th	-13.0	Mario Sanchez (10-5)	Pedro Vasquez (8-5) Andrew Istler (2)	2:15	76	3,488
9/2	at Harrisburg	L, 1-0	69-71 (33-39)	4th	-13.0	Kevin McGowan (2-3)	Sean Brady (5-13) Jhonatan German (2)	2:02	75	3,686

TRANSACTIONS

DATE	TRANSACTION	DATE	TRANSACTION
April			
April 1	Pittsburgh Pirates announce 25-man Altoona Curve roster		
April 4	INF Stephen Alemais assigned to extended spring training	June 22	RHP Jesus Liranzo assigned to Double-A Altoona from Triple-A Indianapolis
	INF Robbie Glendinning assigned to Double-A Altoona	June 26	RHP Blake Cederlind placed on Temporary Inactive List (Bereavement)
April 5	OF Jared Oliva placed on the 7-day injured list (concussion)		RHP Cody Bolton promoted to Double-A Altoona from A-Adv. Bradenton
	OF Ryan Peurifoy assigned to Double-A Altoona from A-Adv. Bradenton	June 29	OF Ryan Peurifoy assigned to A-Adv. Bradenton from Double-A Altoona
April 6	RHP Eduardo Vera promoted to Triple-A Indianapolis from Double-A Altoona		INF Gift Ngoepe signed as minor-league free agent and assigned to Double-A Altoona
	RHP Beau Sulser assigned to Double-A Altoona from A-Adv. Bradenton		
April 7	RHP Gage Hinsz placed on the 7-day injured list (right forearm strain), retroactive to April 4	July	
		July 1	RHP James Marvel promoted to Triple-A Indianapolis from Double-A Altoona
April 8	LHP Sean Keselica assigned to Double-A Altoona from Triple-A Indianapolis	July 5	RHP Blake Cederlind activated from Temporary Inactive List
April 11	INF Alfredo Reyes promoted to Triple-A Indianapolis from Double-A Altoona		OF Bralin Jackson placed on the 7-day injured list (left ankle sprain)
	INF Stephen Alemais assigned to Double-A Altoona from short-season West Virginia	July 19	OF Logan Hill assigned to Double-A Altoona from Triple-A Indianapolis
April 15	OF Jared Oliva reinstated from 7-day injured list (concussion)		INF Jerrick Suiter placed on the 7-day injured list (right groin strain)
	OF Ryan Peurifoy assigned to extended spring training from Double-A Altoona	July 23	OF Bralin Jackson activated from the 7-day injured list
April 18	INF Robbie Glendinning assigned to A-Adv. Bradenton from Double-A Altoona		RHP Nick Economos promoted to Double-A Altoona from A-Adv. Bradenton
	INF Alfredo Reyes assigned to Double-A Altoona from Triple-A Indianapolis	July 24	LHP Brandon Waddell promoted to Triple-A Indianapolis from Double-A Altoona
April 20	INF Alfredo Reyes assigned to Triple-A Indianapolis from Double-A Altoona	July 27	RHP Angel German placed on Suspended List (On-Field Violation)
	OF Ryan Peurifoy assigned to Double-A Altoona from extended spring training	July 29	RHP Angel German activated from Suspended List
April 22	RHP Angel German assigned to extended spring training from Double-A Altoona	July 30	INF Alfredo Reyes changed position to RHP and assigned to Class A Greensboro
	LHP Blake Weiman assigned to Double-A Altoona from extended spring training		INF Oneil Cruz promoted to Double-A Altoona from A-Adv. Bradenton
April 26	INF Stephen Alemais placed on the 7-day injured list (right shoulder strain)		INF Darnell Sweeney assigned to Double-A Altoona from Triple-A Indianapolis
	INF Adrian Valerio assigned to Double-A Altoona from A-Adv. Bradenton		INF Jerrick Suiter reinstated from 7-day injured list (right groin strain)
April 28	RHP Dario Agrazal assigned to Triple-A Indianapolis from Double-A Altoona		OF Bralin Jackson placed on 7-day injured list (left ankle sprain)
	RHP Angel German assigned to Double-A Altoona from extended spring training	August	INF Gift Ngoepe released from Double-A Altoona
May		August 1	RHP Cody Ponce assigned to Double-A Altoona after trade from Milwaukee on 7/29
May 4	LHP Sean Keselica promoted to Triple-A Indianapolis from Double-A Altoona	August 5	RHP Austin Coley placed on the 7-day injured list (left ankle sprain)
	OF Ryan Peurifoy assigned to extended spring training from Double-A Altoona	August 8	RHP Clay Holmes begins MLB Rehab Assignment
	INF Alfredo Reyes assigned to Double-A Altoona from Triple-A Indianapolis		INF Robbie Glendinning placed on 7-day injured list (right ankle sprain)
May 6	RHP Blake Cederlind assigned to Double-A Altoona from A-Adv. Bradenton	August 11	OF Bralin Jackson activated from 7-day injured list (left ankle sprain)
	LHP Sean Brady signed as minor-league free agent and assigned to Double-A Altoona		C Francisco Cervelli begins MLB Rehab Assignment
May 9	LHP Jake Brentz promoted to Triple-A Indianapolis from Double-A Altoona		RHP Clay Holmes recalled from Double-A Altoona & ends MLB Rehab Assignment
	RHP Matt Eckelman promoted to Triple-A Indianapolis from Double-A Altoona		RHP Cody Ponce promoted to Triple-A Indianapolis from Double-A Altoona
May 16	RHP Joel Cesar assigned to Double-A Altoona from A-Adv. Bradenton	August 12	LHP Cam Vieaux assigned to Double-A Altoona from Triple-A Indianapolis
	RHP Matt Eckelman assigned to Double-A Altoona from Triple-A Indianapolis	August 13	RHP Nick Economos assigned to A-Adv. Bradenton from Double-A Altoona
May 25	RHP Tate Scioneaux placed on the 7-day injured list (left ankle sprain)		C Francisco Cervelli transferred MLB Rehab Assignment to Triple-A Indianapolis from Double-A Altoona
	RHP Pedro Vasquez promoted to Triple-A Indianapolis from Double-A Altoona		RHP Tom Koehler assigned to Double-A Altoona from Triple-A Indianapolis
May 27	OF Ryan Peurifoy assigned to Double-A Altoona from extended spring training	August 16	INF Mitchell Tolman promoted to Triple-A Indianapolis from Double-A Altoona
	LHP Cam Vieaux promoted to Triple-A Indianapolis from Double-A Altoona		INF Darnell Sweeney promoted to Triple-A Indianapolis from Double-A Altoona
	RHP Scouter Hightower placed on Temporary Inactive List (Personal)		INF Adrian Valerio promoted to Double-A Altoona from A-Adv. Bradenton
	RHP Austin Coley promoted to Double-A Altoona from A-Adv. Bradenton	August 17	INF Jesse Medrano promoted to Double-A Altoona from A-Adv. Bradenton
May 28	RHP Ryan Valdes promoted to Double-A Altoona from A-Adv. Bradenton		RHP Cody Bolton placed on 7-day injured list (right middle finger blister)
	INF Alfredo Reyes promoted to Triple-A Indianapolis from Double-A Altoona	August 18	RHP Nick Mears promoted to Double-A Altoona from A-Adv. Bradenton
May 30	LHP Domingo Robles promoted to Double-A Altoona from A-Adv. Bradenton		RHP Tom Koehler placed on 7-day injured list (right shoulder strain)
	INF Alfredo Reyes assigned to Double-A Altoona from Triple-A Indianapolis		LHP Elvis Escobar activated from 7-day injured list
	INF Adrian Valerio assigned to A-Adv. Bradenton from Double-A Altoona	August 20	RHP Austin Coley activated from 7-day injured list and released from Double-A Altoona
May 31	RHP Ryan Valdes assigned to A-Adv. Bradenton from Double-A Altoona	August 22	RHP Blake Cederlind promoted to Triple-A Indianapolis from Double-A Altoona
June		August 29	RHP Matt Eckelman promoted to Triple-A Indianapolis from Double-A Altoona
June 1	RHP Pedro Vasquez assigned to Double-A Altoona from Triple-A Indianapolis		RHP Shea Murray promoted to Double-A Altoona from A-Adv. Bradenton
June 12	LHP Elvis Escobar assigned to Double-A Altoona from Extended Spring Training; placed on 7-day injured list	August 31	LHP Elvis Escobar promoted to Triple-A Indianapolis from Double-A Altoona
June 13	OF Logan Hill promoted to Triple-A Indianapolis from Double-A Altoona		RHP Jesus Liranzo promoted to Triple-A Indianapolis from Double-A Altoona
	INF Robbie Glendinning promoted to Double-A Altoona from A-Adv. Bradenton		LHP Joe Jacques promoted to Double-A Altoona from A-Adv. Bradenton
June 18	LHP Blake Weiman promoted to Triple-A Indianapolis from Double-A Altoona		RHP John O'Reilly promoted to Double-A Altoona from A-Adv. Bradenton
	LHP Brandon Waddell assigned to Double-A Altoona from Triple-A Indianapolis		
June 20	INF Hunter Owen promoted to Triple-A Indianapolis from Double-A Altoona		
	OF Chris Sharpe promoted to Double-A Altoona from A-Adv. Bradenton		
	RHP Scouter Hightower assigned to A-Adv. Bradenton from Double-A Altoona		
	RHP Vicente Campos released from Double-A Altoona		

UNIVERSITY ORTHOPEDICS INJURY REPORT

Player	Injury	Placed (Retro)	Reinstated	Player	Injury	Placed (Retro)	Reinstated
OF Jared Oliva	Concussion	4/5	4/15	INF Jerrick Suiter	Right groin strain	7/19	7/30
RHP Gage Hinsz	Right forearm strain	4/7 (4/4)	--	OF Bralin Jackson	Left ankle sprain	7/30	8/8
SS Stephen Alemais	Right shoulder strain	4/26	--	RHP Austin Coley	Left ankle sprain	8/1	8/20
RHP Tate Scioneaux	Left ankle sprain	5/16	6/20	INF Robbie Glendinning	Right ankle sprain	8/8	--
LHP Elvis Escobar	Left shoulder strain	6/12	8/18	RHP Cody Bolton	Right middle finger blister	8/17	--
OF Bralin Jackson	Left ankle sprain	7/5	7/19	RHP Tom Koehler	Right shoulder strain	8/18	--

2019 MLB DEBUTS BY CURVE ALUMNI

March 28	RHP Connor Joe (2017 Curve)		Texas at Seattle	May 27	RHP Mitch Keller (2017-18 Curve)
April 6	San Francisco at San Diego	May 9	RHP Montana DuRapau (2015-18 Curve)	June 15	Pittsburgh at Cincinnati
	OF Jason Martin (2018 Curve)		Pittsburgh at St. Louis		RHP Dario Agrazal (2017-19 Curve)
April 20	Cincinnati at Pittsburgh	May 11	OF Harold Ramirez (2016 Curve)	July 13	Pittsburgh at Miami
	INF Cole Tucker (2017-18 Curve)		Miami at New York (NL)		RHP Luis Escobar (2018 Curve)
April 20	San Francisco at Pittsburgh	May 18	RHP Geoff Hartlieb (2018 Curve)	Sept. 8	Pittsburgh at Chicago (NL)
	OF Bryan Reynolds (2018 Curve)		Pittsburgh at San Diego		RHP James Marvel (2018-19 Curve)
April 25	San Francisco at Pittsburgh	May 25	LHP Josh Smith (2015-16 Curve)		St. Louis at Pittsburgh
	LHP Taylor Hearn (2018 Curve)		Tampa Bay at Cleveland		