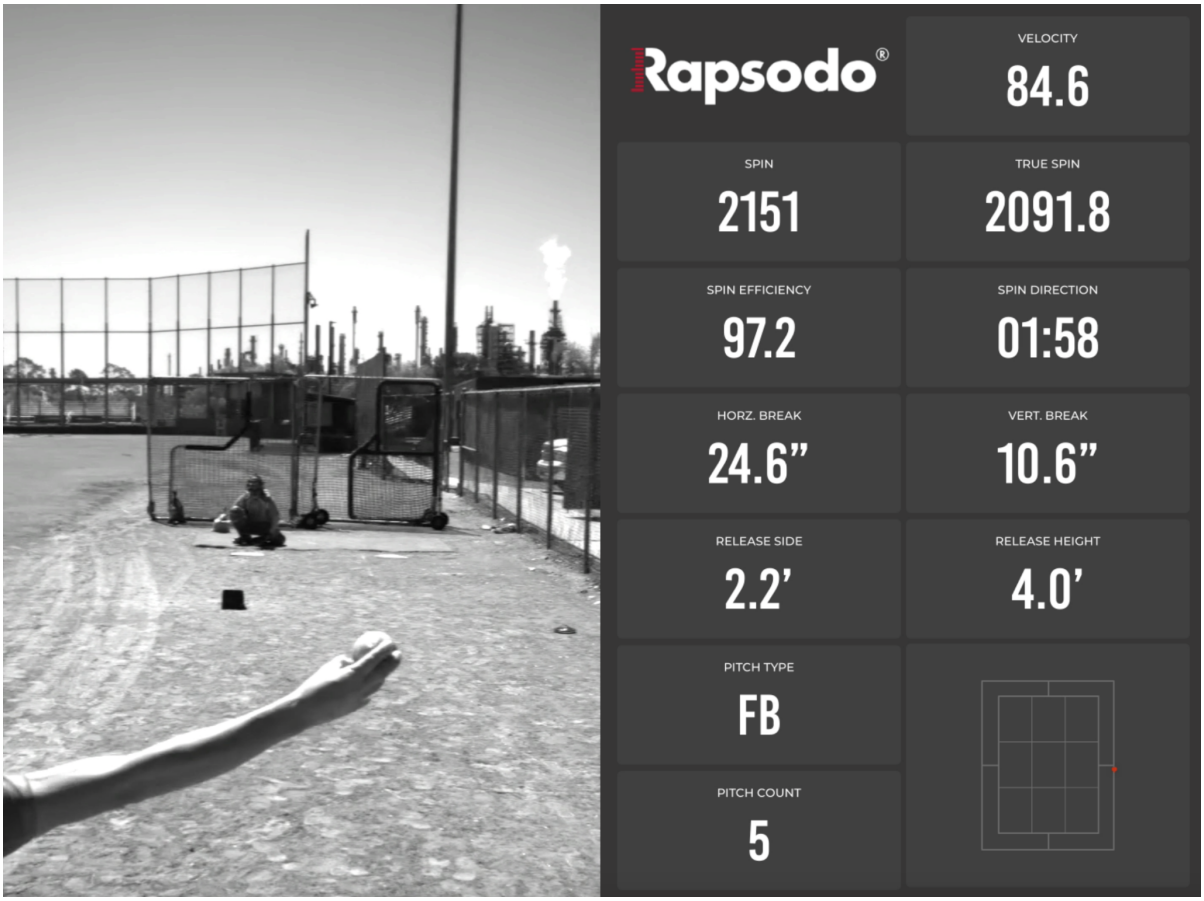
Fastball:

Observations:

- Good velocity, good spin efficiency, decent spin rate numbers
- Fingers are nicely behind the ball creating good spin efficiency
- Armslot is lower than usual, in between ¾ and sidearm, low release height
- Ball is thrown with a frisbee like motion which could be an elbow injury caution
- As a result of a lower armslot and low release height, his spin direction/axis is tilted further to the right than a “standard” fastball: can be seen below
    - “Standard” spin direction for fastballs is usually between 12:00-1:00
    - This unique spin direction contributes to a unique break profile
        - “Standard” break profile is vertical break/horizontal break: 16”/8”
        - However Largaespada demonstrates far less vertical break than usual, but far more horizontal break than usual

What that means:

- His fastball will not blow by elite hitters and he likely will not be able to throw a high fastball past anyone at the next level considering his break profile and comparative lack of velocity
- However, the near 2:00 spin direction creates a massive amount of armside run and 25” worth of horizontal break which can be utilized to jam right handed bats and run away from left handed bats
- His fastball acts with natural sinking movement and therefore when location of his pitches is considered it should be treated as such



Change-up:

Observations:

- OK to decent velocity separation from the fastball ranging from around 6-9 mph
- Spin rate separation is valid at around 300-400 rpms of separation
- When considering spin efficiency, spin direction, and break this is where things could go many different ways
    - Horizontal break is almost 10” less than the fastball and the vertical break is down from the fastball as well which is good
    - Spin direction is slightly closer to 3:00 which is also good
    - However, when considering spin efficiency we now have an interesting case

What that means:

- The normal mantra of a changeup is to have less vertical break but more horizontal break than its fastball counterpart
    - The “more horizontal break” aspect of that statement clearly has no chance of becoming true in this players’ case
    - We know that the goal of this pitch is to be as different from the fastball as possible, but because of Largaespada’s uniquely vast horizontal break on the fastball we cannot stick to conventional thinking
    - The best way to accomplish this goal is to kill as much horizontal break as possible and turn the pitch into a dropping changeup as opposed to an armside running one
    - The way to do this is to kill as much spin efficiency as possible so that the 3:00 axis sidespin rpms do not contribute to armside run, and the pitch now optimizes its drop diversion from the fastball
    - There are various ways for this to be done whether through wrist angle or finger pressure, but it can be experimented with

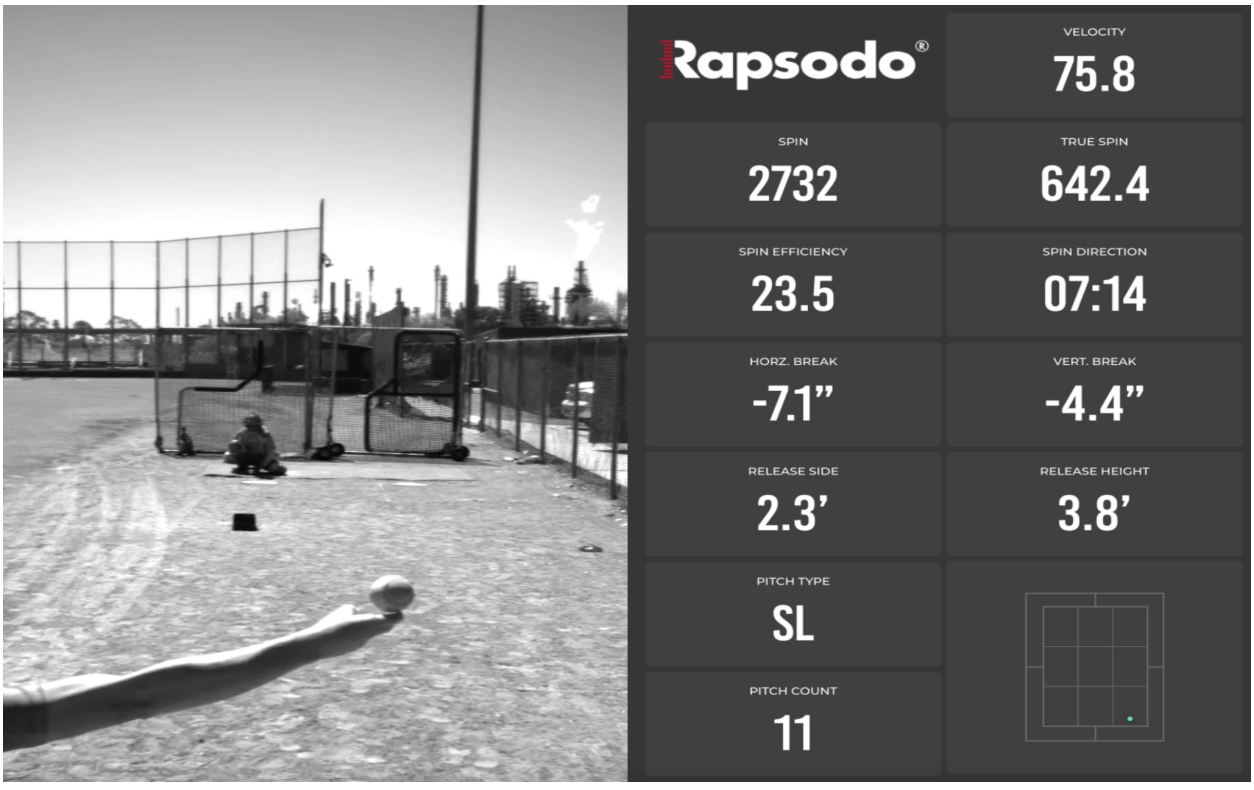
Slider:

Observations:

- Slider has major potential to be an amazing putaway, strikeout pitch as it separates itself so far from the armside moving fastball and changeup
- Strong spin profile and strong movement metrics as well
- Glaring issue with this pitch is how inconsistent it is
- Gyro degree and spin direction vary greatly between different sliders being thrown which creates a very inconsistent movement profile as well as varying spin efficiencies
- Generally low spin efficiencies, high gyro degree sliders

What that means:

- There are many different types of effective sliders available, and whichever one works best for him is what he should work towards, but regardless of which type, it needs to be consistent and replicable
- The slider shown below is one of the best break profiles from the bullpen, but other pitches were not as effective
    - Low spin efficiency sliders are not a bad thing and just mean that his slider type leans more towards that of a gyro slider(drops) than a sweeper/frisbee type
    - However, seeing as his fastball and changeup vastly break to the right, the most effective version of a slider for him would be a sweeper because its path/flight would separate far more from the other pitches than it does currently
    - That is a nitpicky adjustment that is not necessary for success, but would be beneficial for him to reach his full potential
    - To change his slider into a sweeper, he would need to increase spin efficiency and turn his prominent gyro spin into active sidespin, which would in turn create a ton more gloveside horizontal break
    - Can be done through experimenting what grips/finger pressure points create that sidespin + horizontal break and avoid gyro spin, as shown on Rapsodo



○	80.2	2,088	1,389	66.5	02:46	17.9	1.4	N	3.8	2.2	1.4	-4.2	48.3	FB	
24	79.7	2,691	417	15.5	06:02	3.4	-3.7	N	3.8	2.0	0.9	-2.8	81.1	SL	
23	86.1	2,161	2,158	99.9	02:00	22.7	10.5	N	4.3	1.9	1.6	-2.5	2.9	FB	
22	85.6	-	-	-	-	-	-	N	4.1	2.0	2.7	-0.3	-	FB	
21	77.8	2,575	509	19.8	03:10	1.3	-0.5	N	3.8	2.1	2.2	-3.5	78.6	SL	
20	85.1	2,128	2,071	97.3	01:58	20.6	10.6	N	4.1	2.0	0.6	-3.0	13.3	FB	
19	-	-	-	-	-	-	-	-	-	-	-	0.0	-	FB	
18	80.5	1,949	1,432	73.5	02:56	18.8	0.3	N	3.8	2.2	0.5	-4.7	42.7	CH	
17	79.9	-	-	-	-	-	-	N	4.0	2.4	4.0	0.1	-	CH	
16	80.8	1,992	1,340	67.3	02:48	13.0	1.4	N	3.9	2.3	2.2	-3.5	47.7	CH	
15	81.1	2,074	1,563	75.4	02:46	13.5	1.6	N	3.8	2.4	2.0	-2.1	41.1	CH	
14	78.1	1,806	1,198	66.3	02:50	15.2	1.0	N	3.8	2.3	2.0	-3.8	48.5	CH	
13	79.8	1,745	1,341	76.8	02:18	15.5	5.4	N	3.8	2.3	1.1	-4.1	39.8	CH	
12	76.3	2,696	961	35.7	07:34	-3.7	-5.8	N	4.0	2.1	3.0	-0.6	69.1	SL	
11	75.8	2,732	642	23.5	07:14	-7.1	-4.4	Y	3.8	2.3	2.7	-1.2	76.4	SL	
10	80.4	2,618	340	13.0	05:52	-0.6	-3.0	N	3.8	2.2	1.1	-2.9	82.5	SL	
9	76.8	2,752	1,020	37.1	07:28	-9.4	-6.3	Y	3.9	2.3	2.6	-1.7	68.2	SL	
8	76.6	2,641	172	6.5	07:32	1.8	-1.0	N	3.8	2.5	1.5	-3.5	86.3	SL	
7	84.5	2,115	2,037	96.3	02:00	18.0	9.9	N	4.0	2.1	1.4	-1.6	15.6	FB	
6	84.4	2,085	2,078	99.7	01:58	23.0	10.7	N	4.1	2.2	0.6	-2.6	4.7	FB	
5	84.6	2,151	2,092	97.2	01:58	24.6	10.6	N	4.0	2.2	1.4	-3.3	13.5	FB	
○	84.6	2,107	2,045	97.1	01:52	23.8	11.6	N	4.1	2.2	0.3	-3.1	13.9	FB	
3	84.1	2,343	2,053	87.6	01:50	20.0	10.8	Y	4.0	2.3	1.9	-4.2	28.8	FB	
2	83.5	2,088	2,049	98.1	02:04	24.8	9.7	N	4.1	2.4	2.2	-3.1	11.1	FB	
1	82.8	2,083	1,983	95.2	01:58	25.9	11.0	N	4.1	2.3	0.8	-2.7	17.8	FB	