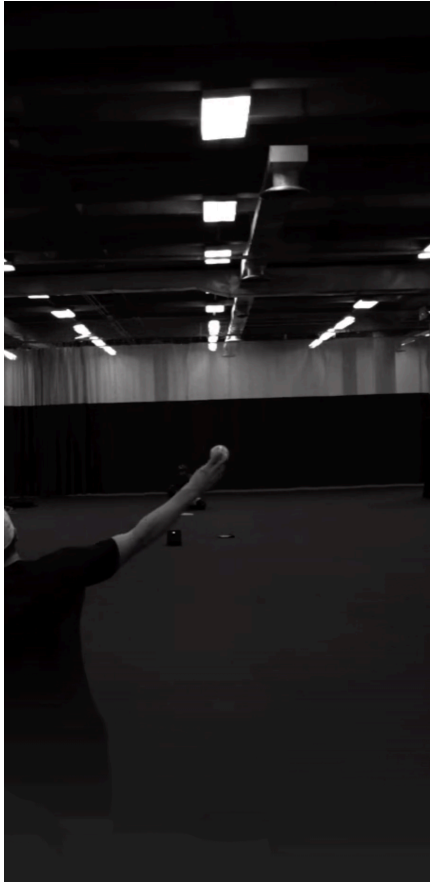
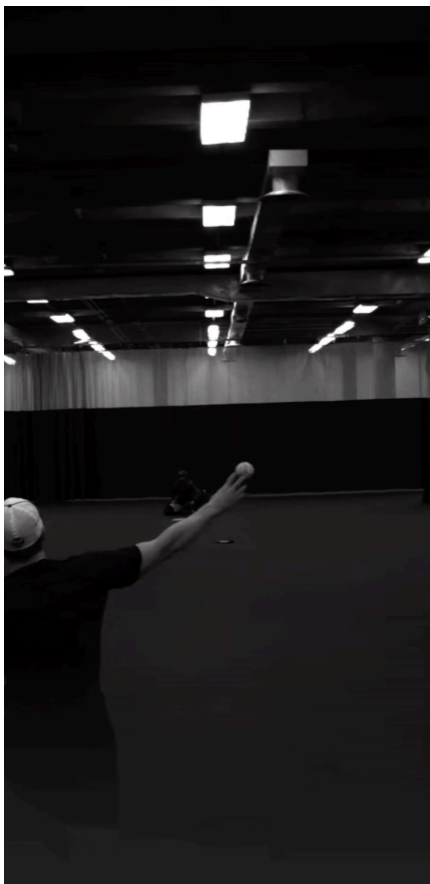


## 4-Seam Fastball and Changeup:



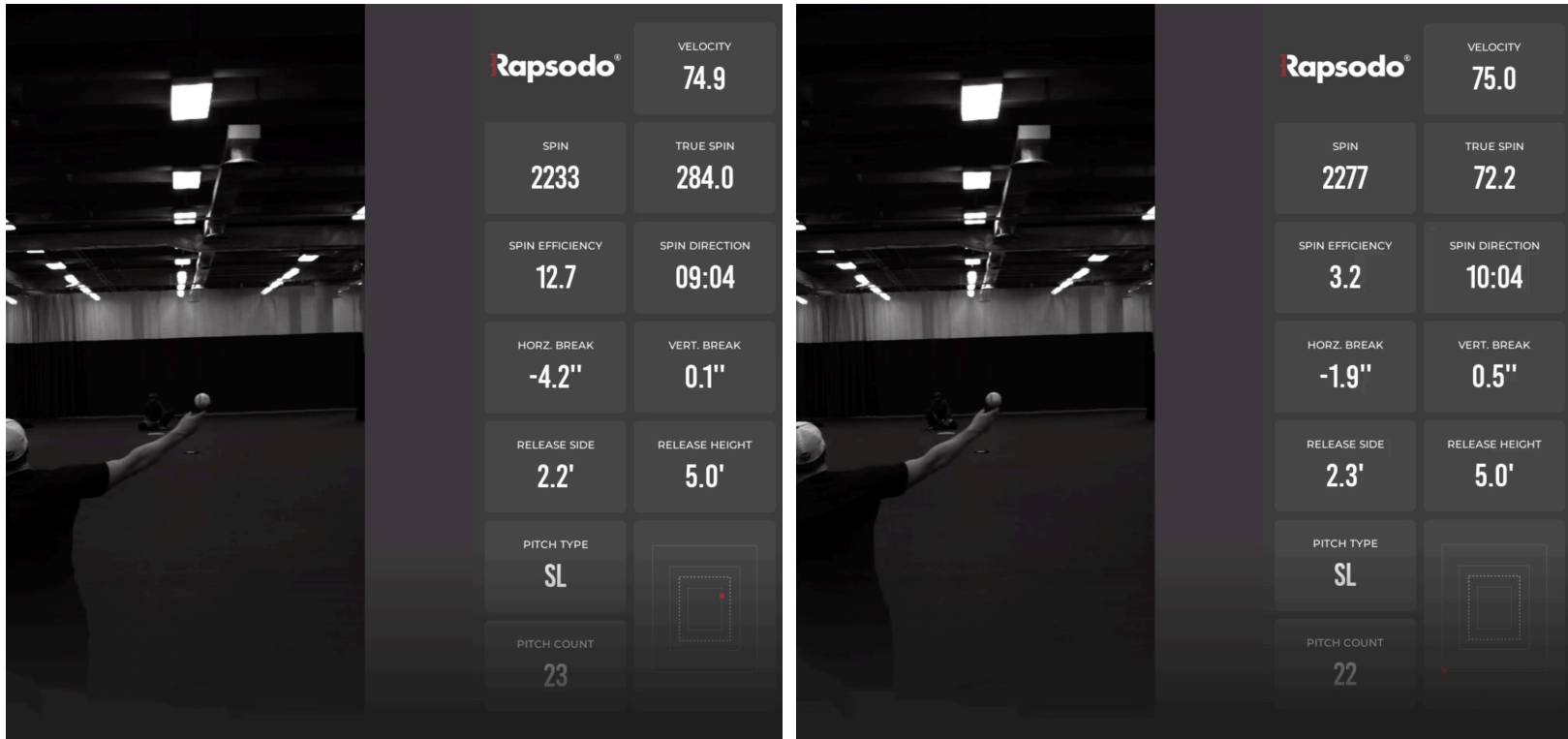
Rapsodo®		VELOCITY	84.5
SPIN	1990	TRUE SPIN	1903.0
SPIN EFFICIENCY	95.6	SPIN DIRECTION	01:52
HORZ. BREAK	16.7"	VERT. BREAK	11.1"
RELEASE SIDE	2.0'	RELEASE HEIGHT	5.2'
PITCH TYPE	FB		
PITCH COUNT	9		

Top is the 4-seam fastball and the bottom is the changeup. The 4-seam is a great pitch and I think if it is kept down in the zone consistently it is a ground ball out machine. However, I see a similar dynamic between the fastball and the changeup that Jackson also has. The shape of these two pitches is almost identical. There is a decent velocity differential but the changeup will be a liability if it looks this similar to the fastball regardless. Look at the picture of the changeup and notice that the ball has already been released a few frames ago and the hand looks like it just got out of the supinated position. He chokes the pitch deep enough in the hand so I think the lack of natural pronation is the main issue with this pitch's movement. Maybe tinkering with the arm pickup phase with something like shortening how far the arm extends backwards before coming forward could be helpful.



Rapsodo®		VELOCITY	75.8
SPIN	1777	TRUE SPIN	1776.7
SPIN EFFICIENCY	100.0	SPIN DIRECTION	01:54
HORZ. BREAK	17.5"	VERT. BREAK	11.4"
RELEASE SIDE	2.3'	RELEASE HEIGHT	5.1'
PITCH TYPE	CH		
PITCH COUNT	4		

## Slider:



Great pitch, works well off of the fastball as a sharp gyro slider, and would be a lethal trio with the changeup if that pitch improves. However, looking at these two sliders, the one on the left is the more effective of the two. Watching the video very closely and looking at the location of the pitches also adds useful insight. The way the ball comes out of the fingers is slightly different. On the left, it has a slight rolling action off of the index finger upon release, and on the right it looks like it sort of squeezes out of his index finger and thumb. That rolling action is definitely preferable and if he can consistently find that backdoor slider using this release, the slider will be a consistent lethal weapon.

\*\*didn't forget about the curveball but don't have much to say on it, incredible pitch