

Name	Team	IP	K/9	BB/9	ERA	FIP	xFIP	K-BB%	BABIP	GB%	Contact%	SwStr%	Soft%	Swing%	FB%
Spencer Arrighet	HOU	45.000	11.600	3.200	3.400	3.690	3.553	22.83%	0.272	29.09%	70.64%	14.19%	14.55%	48.38%	50.91%
Justin Verlander	HOU	17.200	6.113	3.566	9.679	5.387	5.923	5.75%	0.375	31.34%	80.67%	8.33%	7.46%	43.10%	47.76%
Ronel Blanco	HOU	45.100	9.728	4.169	4.169	4.194	4.077	14.36%	0.280	40.65%	72.73%	13.24%	17.74%	48.59%	39.02%
Yusei Kikuchi	TOR/HOU	55.100	11.711	2.765	4.880	3.486	3.085	23.31%	0.299	44.14%	71.74%	13.51%	14.48%	47.97%	37.24%
Hunter Brown	HOU	54.200	9.220	2.799	1.646	2.539	3.116	17.97%	0.282	51.05%	80.75%	9.14%	16.67%	47.54%	26.57%
Framber Valdez	HOU	59.000	10.831	2.746	1.831	2.399	2.534	24.09%	0.197	59.38%	68.24%	14.55%	16.92%	46.00%	24.22%
Name	Team	IP	K/9	BB/9	ERA	FIP	xFIP	K-BB%	BABIP	GB%	Contact%	SwStr%	Soft%	Swing%	FB%
Spencer Arrighet	HOU	56.200	10.800	2.859	3.335	3.789	3.566	21.46%	0.297	31.29%	72.83%	13.39%	12.24%	49.34%	46.94%
Justin Verlander	HOU	22.200	5.559	3.574	8.338	4.980	5.862	4.63%	0.346	32.14%	81.22%	8.47%	7.14%	45.08%	46.43%
Ronel Blanco	HOU	51.100	9.468	4.032	3.682	3.989	4.090	14.22%	0.276	38.85%	72.50%	13.33%	18.57%	48.51%	39.57%
Yusei Kikuchi	---	62.100	11.262	2.743	4.765	3.556	3.135	22.52%	0.279	44.17%	72.34%	13.17%	15.34%	47.80%	36.81%
Hunter Brown	HOU	59.200	9.503	2.715	2.263	2.618	3.029	18.52%	0.302	51.55%	79.04%	10.06%	15.43%	48.04%	26.09%
Framber Valdez	HOU	65.100	10.607	2.617	1.791	2.329	2.473	23.58%	0.205	60.54%	69.84%	13.92%	18.79%	46.40%	21.77%
Change in metrics between starts. 9-17															
Name	Team	IP	K/9	BB/9	ERA	FIP	xFIP	K-BB%	BABIP	GB%	Contact%	SwStr%	Soft%	Swing%	FB%
Spencer Arrighet	HOU	11.200	-0.800	-0.341	-0.065	0.099	0.013	-1.37%	0.025	2.20%	2.19%	-0.80%	-2.31%	0.96%	-3.97%
Justin Verlander	HOU	5.000	-0.554	0.008	-1.341	-0.407	-0.061	-1.12%	-0.029	0.80%	0.55%	0.14%	-0.32%	1.98%	-1.33%
Ronel Blanco	HOU	6.000	-0.260	-0.137	-0.487	-0.205	0.013	-0.14%	-0.004	-1.80%	-0.23%	0.09%	0.83%	-0.08%	0.55%
Yusei Kikuchi	---	7.000	-0.449	-0.022	-0.115	0.070	0.050	-0.79%	-0.020	0.03%	0.60%	-0.34%	0.86%	-0.17%	-0.43%
Hunter Brown	HOU	5.000	0.283	-0.084	0.617	0.079	-0.087	0.55%	0.020	0.50%	-1.71%	0.92%	-1.24%	0.50%	-0.48%
Framber Valdez	HOU	6.100	-0.224	-0.129	-0.040	-0.070	-0.061	-0.51%	0.008	1.17%	1.60%	-0.63%	1.87%	0.40%	-2.45%