

pitching ucla

No	Date	Pitcher	Type	Speed [mph]	Launch (V)	Launch (H)	Spin [rpm]	Spin Axis	Spin Tilt	Release Height	Release Side	Extension	Break (V) [in]	Break Ind (V)	Break (H)	Strike Zone - H	Strike ZoneOffse	Zone Speed	Approach (V)	Approach (H)
1	2018/06/12	mya perez	Screw Ball	55.449	4.824	3.044	1585	156.305	11:15	2.93	0.783	5.411	-33.004	9.327	-4.093	3.236	2.365	50.453	-4.264	1.755
2	2018/06/12	mya perez	Screw Ball	56.393	5.098	0.347	1495	214.922	1:15	2.927	0.7	5.212	-31.231	10.33	7.212	3.569	1.521	51.102	-3.509	2.248
3	2018/06/12	mya perez	Curveball	55.543	6.53	-3.533	1230	141.605	10:45	2.529	1.008	5.461	-31.67	10.941	-8.67	4.032	-1.944	50.203	-2.247	-5.825
4	2018/06/12	mya perez	Curveball	56.549	6.994	-1.716	1423	27.408	7:0	2.272	0.775	5.488	-50.858	-9.962	-5.166	2.465	-0.737	51.39	-6.917	-3.009
5	2018/06/12	mya perez	Changeup	44.52	8.024	0.23	1095	116.301	10:0	2.679	0.576	5.203	-60.543	6.952	-14.065	2.763	-0.45	40.46	-8.405	-3.72
6	2018/06/12	mya perez	Changeup	44.924	7.447	1.658	1464	166.138	11:30	2.736	0.829	5.143	-61.324	5.089	-1.256	2.391	1.779	40.919	-9.191	1.515
7	2018/06/12	mya perez		54.829	5.268	-3.305	1352	167.74	11:30	2.726	0.645	5.231	-31.309	13.226	-2.874	3.474	-1.694	49.408	-3.366	-3.924
8	2018/06/12	mya perez	Drop Ball	54.676	6.058	-3.555	1358	159.812	11:15	2.464	0.511	5.068	-36.424	8.147	-2.996	3.312	-2.007	49.641	-3.889	-4.345
9	2018/06/12	mya perez	Drop Ball	54.503	2.379	-4.407	1362	266.615	3:0	3.044	1.38	5.236	-42.659	13.62	16.674	1.003	-0.031	50.391	-9.13	0.259
10	2018/06/12	mya perez	Rise Ball	55.125	6.88	-4.864	1432	220.191	1:15	2.636	1.167	5.313	-35.862	7.944	6.711	4.04	-1.36	49.696	-2.902	-2.868
11	2018/06/12	mya perez	Rise Ball	55.245	10.04	-2.214	1211	117.298	10:0	2.321	0.736	5.086	-41.366	2.016	-3.906	5.34	-1.001	50.125	-1.171	-2.991
12	2018/06/12	mya perez	Fastball	56.376	4.1	-1.121	1528	202.016	12:45	3.129	0.658	4.859	-25.993	15.026	6.076	3.596	0.446	51.887	-3.038	0.455
13	2018/06/12	sofia garcia	Fastball	50.332	8.003	-3.89	1043	228.559	1:30	2.807	1.492	5.725	-46.793	5.262	5.96	3.961	-0.449	45.152	-4.954	-2.574
14	2018/06/12	sofia garcia	Fastball	51.783	6.217	-1.642	988	258.193	2:30	2.898	1.391	5.671	-48.046	1.55	7.414	2.808	0.979	46.439	-7.034	0.404
15	2018/06/12	sofia garcia	Changeup	41.265	3.107	1.821	736			3.42	0.951	5.537								
16	2018/06/12	sofia garcia	Changeup	42.179	6.826	-2.536	727	174.219	11:45	2.741	1.613	6.481	-57.329	13.23	-1.339	2.17	-0.053	38.396	-9.324	-3.068
17	2018/06/12	sofia garcia	Curveball	50.458	5.267	-6.193	1740	162.547	11:30	2.876	2.415	5.933	-46.468	4.544	-1.429	2.309	-1.573	45.808	-7.598	-6.291
18	2018/06/12	sofia garcia	Curveball	49.199	7.446	-5.105	798	169.482	11:45	2.609	1.976	5.681	-52.15	2.555	-0.474	2.974	-1.27	44.355	-6.878	-5.55
19	2018/06/12	sofia garcia	Rise Ball	50.135	5.791	-1.098	954	117.256	10:0	2.944	0.94	5.879	-47.472	4.705	-9.134	2.61	-0.506	45.104	-7.342	-3.852
20	2018/06/12	sofia garcia	Rise Ball	51.14	6.7	-1.218	900	215.029	1:15	2.728	1.53	5.601	-45.084	4.927	3.454	3.199	1.053	46.225	-5.753	-0.352
21	2018/06/12	sofia garcia	Curveball	46.85	7.607	-4.572	1064	7.173	6:15	2.63	1.349	5.814	-69.312	-10.279	-1.294	1.646	-1.62	42.938	-11.371	-4.808
22	2018/06/12	sofia garcia	Curveball	45.052	7.901	-1.045	808	180.112	12:0	2.567	1.032	6.112	-54.602	9.114	0.018	2.94	0.387	40.533	-7.368	-1.039
23	2018/06/12	maria luna	Fastball	56.913	5.757	-0.673	959	60.163	8:0	2.557	1.812	5.229	-43.527	-2.513	-4.382	2.595	1.02	51.587	-6.115	-1.786
24	2018/06/12	maria luna	Fastball	57.778	6.438	1.372	980	126.455	10:15	2.53	1.774	5.382	-31.774	8.534	-11.552	3.968	1.679	51.58	-2.277	-1.891
25	2018/06/12	maria luna	Changeup	49.001	4.583	1.964	1468	66.003	8:15	2.389	1.621	4.939	-61.278	-4.659	-10.467	0.221	2.005	44.838	-11.901	-0.692
26	2018/06/12	maria luna	Changeup	50.607	7.549	-1.817	1141	163.118	11:30	2.851	1.22	4.87	-45.315	8.181	-2.483	3.942	-0.152	45.506	-4.739	-2.389
27	2018/06/12	maria luna	Curveball	56.938	5.659	-3.079	922	165.711	11:30	2.868	1.454	5.199	-31.623	8.676	-2.21	3.844	-0.687	51.956	-3.006	-3.854
28	2018/06/12	maria luna	Curveball	56.385	8.054	-1.958	829	131.041	10:15	2.542	0.984	5.78	-33.386	7.269	-8.35	4.829	-0.936	50.841	-1.203	-4.34
29	2018/06/12	maria luna	Screw Ball	52.911	5.543	2.659	1016	159.6	11:15	2.976	0.95	5.236	-19.208	29.128	-10.833	4.906	1.735	47.135	0.049	-0.225
30	2018/06/12	maria luna	Screw Ball	55.28	6.958	4.846	1117	139.919	10:45	2.704	1.411	5.598	-36.523	8.056	-6.78	4.068	3.896	48.899	-3.143	3.146
31	2018/06/12	maria luna	Screw Ball	55.186	6.893	4.124	1116	124.64	10:15	2.618	1.554	5.45	-39.197	5.922	-8.572	3.731	3.445	48.795	-3.888	1.877
32	2018/06/12	desire garcia	Fastball	52.157	6.324	0.971	1717	129.465	10:15	2.858	1.271	4.554	-50.052	3.301	-4.01	2.791	1.564	46.106	-7.086	-0.135
33	2018/06/12	desire garcia	Fastball	51.238	3.132	2.47	1167	148.125	11:0	3.076	1.114	4.614	-40.377	11.614	-7.222	1.736	2.106	46.782	-7.696	0.344
34	2018/06/12	desire garcia	Screw Ball	51.134	11.166	1.561	879	345.063	5:30	0.758	1.468	5.39	-76.521	-25.881	6.904	1.528	3.029	46.499	-9.38	3.383
35	2018/06/12	desire garcia	Screw Ball	50.586	7.881	1.495	986	159.211	11:15	2.65	0.575	4.013	-50.882	5.485	-2.082	3.612	1.382	45.356	-5.575	1.202
36	2018/06/12	desire garcia	Rise Ball	47.829	6.408	-1.156	1597	208.655	1:0	2.667	1.153	4.077	-54.352	6.088	3.327	2.351	0.674	43.946	-7.97	-0.241
37	2018/06/12	desire garcia	Rise Ball	50.225	10.399	-1.583		166.372	11:30	2.445	1.262	5.289	-44.876	8.561	-2.076	5.369	0.086	44.865	-1.859	-2.143
38	2018/06/12	desire garcia	Changeup	45.092	4.467	-0.162	1060			2.441	0.937	5.328								
39	2018/06/12	desire garcia	Changeup	45.178	8.191	1.283	1145	99.289	9:15	2.565	1.53	4.571	-64.969	1.339	-8.186	2.48	1.677	41.527	-9.09	-1.24
40	2018/06/12	desire garcia	Changeup	47.859	2.844	-0.396	748	180.262	12:0	2.72	0.825	5.545	-43.724	12.375	0.057	0.866	0.581	44.122	-9.193	-0.447
41	2018/06/12	desire garcia	Drop Ball	49.864	6.988	-0.34	1082	113.684	9:45	2.778	1.04	4.589	-54.821	1.502	-3.425	2.744	0.536	44.884	-7.697	-1.137
42	2018/06/12	desire garcia	Changeup	41.46	14.988	-4.14	937	139.586	10:45	1.833	1.385	3.963	-78.253	6.901	-5.876	5.347	-1.828	37.033	-5.483	-5.144
43	2018/06/12	desire garcia	Changeup	41.845	8.233	1.324	1577	119.413	10:0	2.517	1.234	4.42	-77.63	4.465	-7.921	1.427	1.433	37.861	-12.268	-1.109
44	2018/06/12	karra leeger	Fastball	56.779	5.981	-4.573	1163	239.78	2:0	2.857	1.913	5.094	-36.099	4.548	7.808	3.684	-0.355	51.934	-3.818	-2.386
45	2018/06/12	karra leeger	Fastball	58.147	7.685	-3.797	1104	156.945	11:15	2.629	1.513	4.897	-35.906	4.616	-1.965	4.598	-1.086	52.216	-2.033	-4.357
46	2018/06/12	karra leeger	Screw Ball	57.572	8.109	-3.892	950	334.134	5:15	2.576	1.816	5.135	-47.358	-7.106	3.445	3.835	-0.377	52.177	-4.668	-2.71
47	2018/06/12	karra leeger	Screw Ball	56.396	2.618	-1.736		207.13	1:0	3.18	1.636	5.071	-31.424	10.239	5.246	2.231	0.967	51.448	-5.988	-0.368
48	2018/06/12	karra leeger	Screw Ball	56.491	6.424	-4.516	941	245.193	2:15	2.883	1.774	4.921	-35.385	6.198	13.409	4.075	-0.004	51.506	-3.175	-0.989
49	2018/06/12	karra leeger	Curveball	57.457	6.087	-5.209	813	333.868	5:15	2.83	2.003	5.199	-44.362	-3.732	1.831	3.03	-1.162	52.03	-5.947	-4.712
50	2018/06/12	karra leeger	Curveball	56.831	2.386	-2.831	1883	135.301	10:30	3.213	1.555	5.113	-34.102	7.043	-6.969	1.892	-0.829	51.894	-6.874	-4.883
51	2018/06/12	karra leeger	Rise Ball	52.22	6.986	-2.784	876	192.505	12:30	2.785	1.66	4.507	-41.258	8.244	1.829	3.895	-0.05	47.731	-4.093	-2.287
52	2018/06/12	karra leeger	Rise Ball	54.082	8.295	-4.441	689	127.9	10:15	2.579	1.589	5.151	-38.963	5.565	-7.149	4.659	-1.837	49.567	-2.33	-6.251
53	2018/06/12	karra leeger	Rise Ball	55.836	8.067	-2.064	1062	68.871	8:15	2.509	1.831	5.621	-42.198	-0.723	-1.87	4.093	0.379	50.626	-3.549	-2.455
54	2018/06/12	karra leeger	Drop Ball	57.251	4.601	-3.133	1113	25.91	6:45	2.764	1.939	5.492	-49.158	-9.117	-4.429	1.576	-0.406	52.184	-8.841	-4.194
55	2018/06/12	karra leeger	Drop Ball	56.486	-0.124	-1.9	1078	134.779	10:30	3.25	1.879	5.119	-26.993	13.949	-14.056	0.921	-0.502	52.174	-7.497	-5.645
56	2018/06/12	karra leeger	Changeup	49.187	4.927	-1.32	1063	85.569	8:45	2.595	1.777	4.688	-53.269	-0.468	-6.038	1.337	0.424	46.449	-9.331	-3.079
57	2018/06/12	karra leeger	Changeup	50.053	6.016	0.201	952			1.876	1.95	4.655								
58	2018/06/12	karra leeger	Changeup	49.95	6.307	-2.209	1336	188.596	12											

90	2018/06/12	emily higgins	Changeup	48.159	7.547	-1.259	912	163.821	11:30	2.819	1.065	4.968	-52.422	8.655	-2.511	3.303	0.051	42.617	-6.668	-2.232
91	2018/06/12	emily higgins	Curveball	52.424	6.181	-0.22	1197	124.339	10:15	2.502	0.692	5.138	-40.462	7.856	-11.499	3.077	-0.407	47.569	-4.843	-3.441
92	2018/06/12	emily higgins	Curveball	52.015	6.002	1.251	1210	130.054	10:15	2.417	0.538	5.266	-36.07	11.604	-13.803	3.231	0.181	47.651	-3.957	-2.374
93	2018/06/12	emily higgins	Screw Ball	52.151	8.121	2.163	1177	117.531	10:0	2.392	0.137	4.94	-46.497	3.703	-7.104	3.75	0.929	46.855	-4.448	0.185
94	2018/06/12	emily higgins	Screw Ball	52.268	8.072	1.431	1171	15.731	6:30	2.32	0.811	5.742	-48.711	-1.612	-0.454	3.345	1.668	47.425	-5.37	1.26
95	2018/06/12	emily higgins	Rise Ball	51.983	8.92	0.145	1303	193.402	12:30	2.378	1.027	5.611	-45.129	4.236	1.009	4.263	1.202	46.356	-3.516	0.418
96	2018/06/12	emily higgins	Rise Ball	53.168	2.854	1.649	1252	140.068	10:45	3.041	0.655	5.585	-23.068	22.98	-19.236	2.915	0.088	48.124	-3.699	-3.507
97	2018/06/12	emily higgins	Rise Ball	52.586	8.895	-0.347	1376	146.357	11:0	2.307	0.883	5.679	-44.088	3.33	-2.216	4.253	0.481	47.207	-3.272	-0.998
98	2018/06/12	emily higgins	Drop Ball	52.661	6.496	-1.021	1156	184.565	12:15	1.951	1.099	5.01	-42.133	6.004	0.479	2.605	0.487	47.801	-4.973	-0.969
99	2018/06/12	emily higgins	Drop Ball	51.491	6.461	1.752	1142	91.387	9:0	2.272	0.556	4.868	-50.298	0.675	-27.9	2.241	-0.646	46.841	-7.16	-5.534
100	2018/06/12	emily higgins	Drop Ball	53.22	3.74	-0.015	1213	233.694	1:45	2.653	0.918	5.279	-42.286	4.262	5.801	1.502	1.391	48.544	-7.831	1.506
101	2018/06/12	alesha howell	Fastball	42.072	12.023	-3.716	1059	152.058	11:0	2.632	0.928	4.974	-73.317	5.865	-3.111	4.335	-1.708	37.562	-7.678	-4.077
102	2018/06/12	alesha howell	Fastball	42.772	14.854	-1.58	641	88.971	9:0	1.889	0.804	3.677	-83.953	-0.105	-5.87	4.95	-0.731	37.596	-6.808	-2.65
103	2018/06/12	alesha howell	Fastball	42.464	10.808	-5.19	928	282.025	3:30	2.477	0.742	4.983	-77.494	-1.023	4.804	3.035	-2.183	38.445	-9.915	-3.987
104	2018/06/12	alesha howell	Fastball	44.59	7.926	-0.812	734	120.983	10:0	2.721	0.679	5.801	-60.8	4.642	-7.731	2.636	-0.473	40.479	-8.818	-3.254
105	2018/06/12	alesha howell	Changeup	35.016	18.019	-1.242	789	128.196	10:15	1.635	0.958	3.714	-123.832	8.82	-11.21	3.637	-0.797	30.515	-13.627	-4.413
106	2018/06/12	alesha howell		38.239	-2.638	4.047	866			3.988	0.157	4.761								
107	2018/06/12	alesha howell	Screw Ball	43.715	9.122	-1.872	1113	242.148	2:0	2.708	1.176	5.468	-66.952	3.424	6.479	2.931	0.536	39.392	-9.166	-0.204
108	2018/06/12	alesha howell	Screw Ball	43.266	8.125	0.119	1037	173.022	11:45	2.772	1.135	5.306	-70.084	1.261	-0.154	2.111	1.197	39.475	-10.901	0.257
109	2018/06/12	alesha howell	Screw Ball	46.007	6.793	4.123	1215	144.223	10:45	2.891	0.898	5.315	-49.022	15.345	-11.058	3.138	2.591	41.186	-6.589	0.933
110	2018/06/12	alesha howell	Changeup	30.62	20.781	4.4	867	152.005	11:0	2.131	0.993	5.941	-147.819	13.015	-6.919	3.378	3.159	26.867	-18.679	2.753
111	2018/06/12	alesha howell	Changeup	33.871	25.168	4.812		170.53	11:45	0.991	0.551	4.19	-148.783	21.259	-3.546	6.225	3.404	26.53	-12.602	4.045
112	2018/06/12	alesha howell		59.318	4.26	-0.131	961	91.634	9:0	3.075	2.805	3.277	-41.827	0.356	-12.483	2.443	1.677	53.552	-6.615	-3.246
113	2018/06/12	alesha howell	Fastball	47.615	7.056	0.484	630	332.463	5:0	2.908	0.8	5.657	-60.944	-2.207	1.151	2.277	1.199	42.932	-9.671	0.847
114	2018/06/12	karina mckoy		50.37	2.045	3.292	914	139.094	10:45	3.065	0.718	5.566	-43.665	7.214	-6.25	0.714	2.269	46.409	-9.918	1.503
115	2018/06/12	karina mckoy	Fastball	50.497	7.865	0.584	917	142.165	10:45	2.674	0.506	5.912	-43.886	7.071	-5.492	3.945	0.412	45.309	-4.369	-0.898
116	2018/06/12	karina mckoy	Curveball	50.649	11.332	0.901	973	64.972	8:15	1.994	0.241	4.913	-57.933	-4.481	-9.598	4.516	0.018	45.428	-4.233	-1.356
117	2018/06/12	karina mckoy	Curveball	50.974	7.892	3.012	893	144.278	10:45	2.42	0.083	5.141	-48.178	3.439	-2.473	3.463	1.794	46.051	-5.208	2.402
118	2018/06/12	karina mckoy	Changeup	41.867	10.16	3.859	1893	156.325	11:15	2.576	0.151	5.497	-66.599	12.484	-5.474	3.508	2.129	37.088	-8.025	2.05
119	2018/06/12	karina mckoy	Changeup	41.391	11.568	1.384	877	114.886	9:45	2.411	0.214	5.707	-75.235	5.995	-12.923	3.487	0.004	36.426	-9.088	-1.94
120	2018/06/12	karina mckoy	Curveball	51.031	-0.622	3.495	1317	144.076	10:45	3.183	1.203	5.549	-26.487	22.242	-16.115	0.584	2.061	47.33	-7.987	-0.81
121	2018/06/12	karina mckoy	Curveball	50.97	4.637	1.269	972	159.092	11:15	2.914	0.747	5.761	-42.361	6.372	-2.434	2.29	1.337	46.773	-7.111	0.572
122	2018/06/12	karina mckoy	Curveball	50.666	7.368	1.864	1015	142.065	10:45	2.707	0.755	5.051	-41.671	10.072	-7.851	3.96	1.289	45.983	-3.955	-0.455
123	2018/06/12	karina mckoy	Drop Ball	50.58	-1.667	1.583	1027			3.192	0.572	5.496								
124	2018/06/12	karina mckoy		49.443	3.065	6.449	2087			2.531	1.217	5.299								
125	2018/06/12	karina mckoy	Fastball	51.979	5.308	-0.146	1049	129.672	10:15	2.624	0.57	6.258	-38.904	6.891	-8.308	2.664	-0.212	47.481	-5.606	-2.649