

**StH $\alpha$  190**

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$\alpha_{J2000}$ ( $\pm''$ )	$\delta_{J2000}$ ( $\pm''$ )	N	$B$ ( $\pm$ )	$V$ ( $\pm$ )	$B-V$ ( $\pm$ )	$U-B$ ( $\pm$ )	$V-R_C$ ( $\pm$ )	$R-I_C$ ( $\pm$ )								
325.389967	0.032	2.886261	0.044	3	11.690	0.011	10.740	0.008	0.950	0.008	0.707	0.010	0.528	0.007	0.460	0.010
325.316049	0.000	2.814327	0.034	3	11.748	0.008	10.353	0.000	1.396	0.008	1.615	0.006	0.747	0.007	0.631	0.010
325.294278	0.027	2.764911	0.025	3	12.519	0.018	11.809	0.016	0.710	0.009	0.296	0.008	0.407	0.009	0.359	0.008
325.322103	0.027	2.835277	0.044	3	12.943	0.005	12.166	0.005	0.777	0.002	0.375	0.005	0.441	0.008	0.376	0.004
325.320818	0.027	2.862457	0.036	3	13.484	0.011	12.822	0.008	0.662	0.007	0.120	0.011	0.396	0.010	0.346	0.006
325.431393	0.016	2.701567	0.029	3	13.760	0.012	13.378	0.012	0.382	0.003	0.148	0.005	0.213	0.019	0.247	0.013
325.371390	0.000	2.829290	0.029	3	14.384	0.019	13.787	0.016	0.597	0.010	0.063	0.012	0.388	0.016	0.354	0.005
325.323719	0.022	2.855351	0.034	3	15.482	0.006	14.406	0.005	1.076	0.004	0.856	0.012	0.604	0.012	0.530	0.022
325.354949	0.016	2.834204	0.038	3	16.284	0.017	15.532	0.013	0.752	0.011	0.184	0.012	0.437	0.035	0.425	0.027
325.452834	0.178	2.778924	0.012	3	17.896	0.085	17.193	0.027	0.703	0.081	0.003	0.085	0.477	0.052	0.374	0.058

**LL Cas**

347.225701	0.067	54.837115	0.029	3	11.948	0.032	10.808	0.026	1.140	0.018	0.817	0.009	0.644	0.025	0.574	0.007
347.217171	0.050	54.804267	0.027	3	12.172	0.010	10.987	0.006	1.186	0.008	0.837	0.009	0.654	0.015	0.602	0.008
347.188146	0.056	54.795835	0.033	3	13.675	0.012	13.219	0.010	0.457	0.007	0.189	0.021	0.279	0.003	0.291	0.014
347.276823	0.026	54.772117	0.037	3	14.212	0.017	13.539	0.015	0.672	0.009	0.213	0.012	0.415	0.012	0.408	0.016
347.314513	0.022	54.798187	0.021	3	14.731	0.008	13.892	0.005	0.840	0.007	0.265	0.010	0.501	0.006	0.478	0.005
347.212201	0.059	54.767065	0.025	3	15.014	0.010	14.111	0.005	0.903	0.009	0.327	0.004	0.521	0.008	0.506	0.008
347.215665	0.034	54.753691	0.018	3	15.538	0.006	14.615	0.005	0.923	0.003	0.361	0.013	0.521	0.005	0.501	0.008
347.221533	0.050	54.782576	0.036	3	16.148	0.008	15.354	0.000	0.794	0.008	0.231	0.008	0.461	0.002	0.433	0.023
347.296006	0.000	54.766783	0.060	3	16.847	0.018	15.885	0.016	0.963	0.009	0.557	0.031	0.543	0.009	0.462	0.016
347.309040	0.011	54.833660	0.051	2	17.883	0.027	16.955	0.025	0.928	0.011	0.303	0.012	0.585	0.085	0.493	0.051
347.269861	0.035	54.818247	0.097	2	19.221	0.050	18.287	0.043	0.934	0.025			0.527	0.074		

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