

Deriving parameters

Model Fit

Template fit

Model Bayes Analysis

Template Bayes Analysis

Model fit

Best fit results

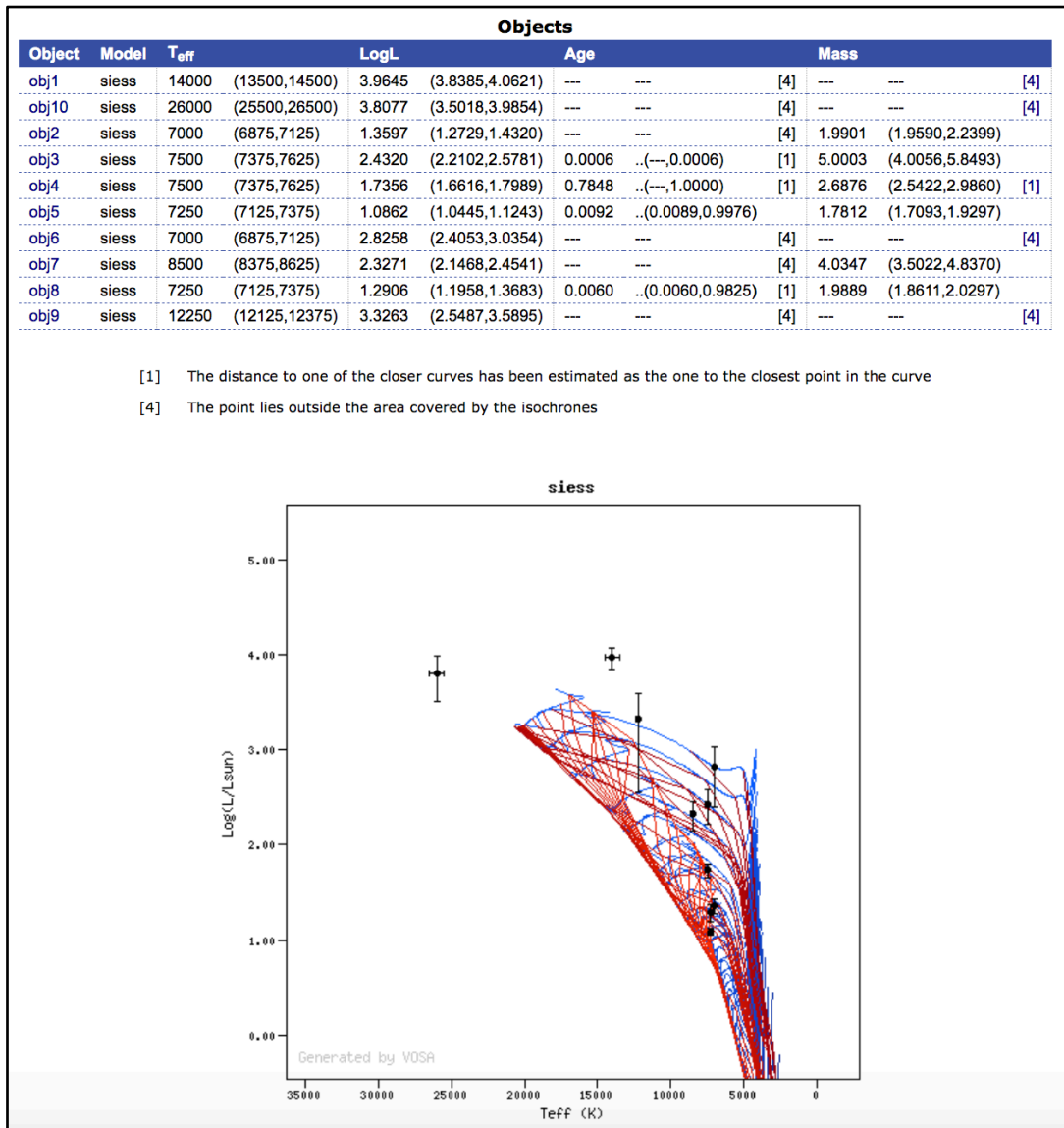
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Object	RA	DEC	D (pc)	Model	A_v	ΔA_v	T_{eff}	ΔT_{eff}	logg	Δlogg	Meta.	$\Delta \text{Meta.}$	more	χ^2	M_d	F_{tot}	ΔF_{tot}	$F_{\text{obs}}/F_{\text{tot}}$	$L_{\text{bol}}/L_{\text{sun}}$	$\Delta L_{\text{bol}}/L_{\text{sun}}$	λ_{max}	N_{fit}	N_{tot}	$T_{\text{eff,min}}$	$T_{\text{eff,max}}$
obj1	84.796443	4.121467	423.729	Kurucz	0.2325	---	14000	500	4.00	0.25	0.50	0.15	---	4.861e+1	5.210e-19	1.642e-6	1.014e-8	0.23	9.216e+3	2.322e+3	33526	14	23	13500	14500
obj10	106.106384	-10.454372	255.102	Kurucz	2.05065	---	26000	500	5.00	0.25	0.20	0.125	---	2.181e+1	1.047e-19	3.158e-6	1.703e-9	0.07	6.423e+3	3.248e+3	21590	17	30	25500	26500
obj2	180.0203945181	-78.1929589962	114.679	Kurucz	---	---	7000	125	4.50	0.25	-1.00	0.25	---	1.196e+2	4.907e-19	5.570e-8	5.492e-9	0.75	2.289e+1	4.148e+0	33526	17	25	6875	7125
obj3	102.8891471511	-6.9664966301	340.416	Kurucz	0.200725	---	7500	125	5.00	0.25	-2.50	0.25	---	5.761e+1	4.966e-19	7.465e-8	3.858e-9	0.77	2.704e+2	1.081e+2	33526	13	25	7375	7625
obj4	249.6193252318	-18.2205607606	135.135	Kurucz	0.9517	---	7500	125	3.00	0.25	0.50	0.15	---	2.154e+2	5.725e-19	9.531e-8	7.705e-10	0.82	5.440e+1	8.527e+0	51987	16	19	7375	7625
obj5	173.3555271644	-70.1947896813	96.899	Kurucz	---	---	7250	125	3.00	0.25	0.50	0.15	---	5.568e+2	2.775e-19	4.156e-8	3.455e-10	0.82	1.220e+1	1.118e+0	21590	10	20	7125	7375
obj6	170.6319147622	-53.3698454724	647.388	Kurucz	0.09	---	7000	125	3.00	0.25	-2.50	0.25	---	2.697e+2	4.212e-19	5.111e-8	2.915e-10	0.66	6.696e+2	4.153e+2	16620	6	23	6875	7125
obj7	111.4837237046	-14.1787771647	292.677	Kurucz	0.465	---	8500	125	3.00	0.25	-2.50	0.25	---	9.632e+1	2.736e-19	7.931e-8	1.889e-9	0.76	2.124e+2	7.213e+1	21590	11	25	8375	8625
obj8	269.0887	-21.956075	118.624	Kurucz	---	---	7250	125	3.00	0.25	-2.50	0.25	---	2.294e+2	3.168e-19	4.439e-8	4.857e-10	0.82	1.952e+1	3.827e+0	21590	15	31	7125	7375
obj9	102.9406373202	5.0843992476	594.034	Kurucz	0.7595	---	12250	125	5.00	0.25	0.50	0.15	---	2.247e+3	9.999e-20	1.922e-7	4.192e-9	0.38	2.120e+3	1.766e+3	33526	21	31	12125	12375

HR diagram construction



Comparison with spectral temperatures

