Deriving parameters

Model Fit Model Bayes Analysis Template Bayes Analysis

Model fit

Best fit results

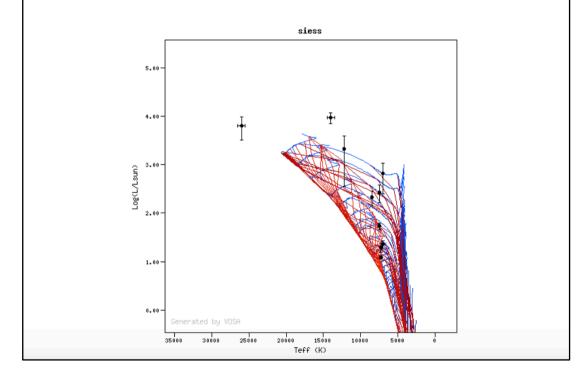
Click in the object name to see the best fits for that object.

Show graphs Delete this fit Refine excess
Send table to SAMP Hub

Object	RA	DEC	D (pc)	Model	A _V	ΔA_{v}	T _{eff}	ΔT _{eff}	logg	∆logg	Meta.	ΔMeta.	more	X ²	M _d	F _{tot}	ΔF _{tot}	F _{obs} /F _{tot}	L _{bol} /L _{sun}	ΔL _{bol} /L _{sun}	λ _{max}	N _{fit}	N _{tot}	T _{eff,min}	T _{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	519887	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

Object	Model	T _{eff}		LogL		Age		Mass					
obj1	siess	14000	(13500,14500)	3.9645	(3.8385,4.0621)			[4]			[4]		
obj10	siess	26000	(25500,26500)	3.8077	(3.5018,3.9854)			[4]			[4]		
obj2	siess	7000	(6875,7125)	1.3597	(1.2729,1.4320)			[4]	1.9901	(1.9590,2.2399)			
obj3	siess	7500	(7375,7625)	2.4320	(2.2102,2.5781)	0.0006	(,0.0006)	[1]	5.0003	(4.0056,5.8493)			
obj4	siess	7500	(7375,7625)	1.7356	(1.6616,1.7989)	0.7848	(,1.0000)	[1]	2.6876	(2.5422,2.9860)	[1]		
obj5	siess	7250	(7125,7375)	1.0862	(1.0445,1.1243)	0.0092	(0.0089,0.9976)		1.7812	(1.7093,1.9297)			
obj6	siess	7000	(6875,7125)	2.8258	(2.4053,3.0354)			[4]			[4]		
obj7	siess	8500	(8375,8625)	2.3271	(2.1468,2.4541)			[4]	4.0347	(3.5022,4.8370)			
obj8	siess	7250	(7125,7375)	1.2906	(1.1958,1.3683)	0.0060	(0.0060,0.9825)	[1]	1.9889	(1.8611,2.0297)			
obj9	siess	12250	(12125,12375)	3.3263	(2.5487,3.5895)			[4]			[4]		

- [1] The distance to one of the closer curves has been estimated as the one to the closest point in the curve
- [4] The point lies outside the area covered by the isochrones



HR diagram construction

Comparison with spectral temperatures

