

SEDmc

Star Summary Report

TIC103633434

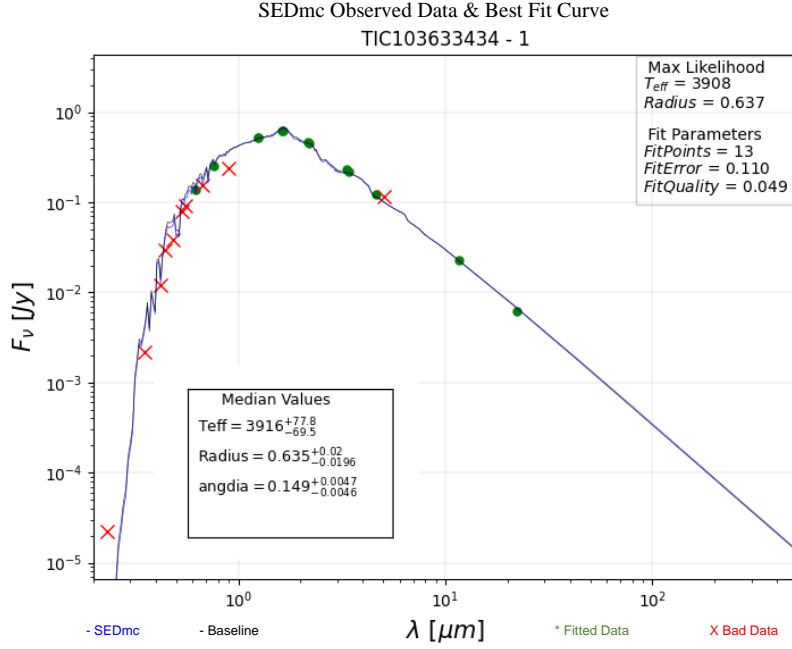
11/02/2024

Astrometry Data: ID = TIC103633434; RA,DEC = (152.2182549, 69.2766204); Best Parallax (Simbad) = 25.24 (+/-0.0126)

Stellar Parameters: Baseline Data Source = NASA

Data Type	Teff [K]	Rstar [Rsun]	Angular Diameter [arcsec]
Baseline Values {SEDmc residuals}	3997 (+/-51.0) {-2.1%}	0.62 (+/-0.02) {2.4%}	0.1453 (+/-0.0047) {2.5%}
SEDmc Results {fractional error}	3915 (+77, -69) {2.0%}	0.635 (+0.02, -0.0196) {3.1%}	0.149 (+0.0047, -0.0046) {3.2%}

Sampling Parameters: Observed Data = New; Model = ck04; # of Walkers = 50; # of Iterations = 5000; Burn In = 1000
Min Wavelength = 0.625; Max Wavelength = 22.1; # of Fit Points = 13; # of Bad Points = 11; Fit Error = 0.11



Observed Data

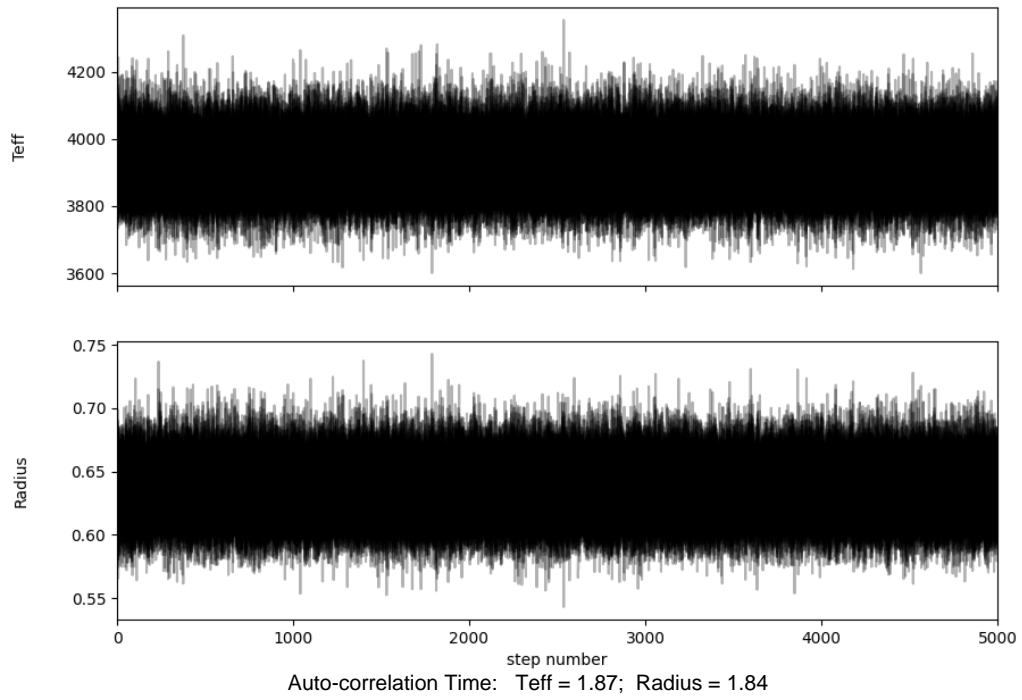
Good Data Points (Used in Sampler)

	wl	f1	efl	src	band
0	0.63	0.14	0.01	V353/gsc242	SDSS:r
1	0.76	0.26	0.03	V353/gsc242	SDSS:i
2	1.24	0.52	0.01	V317/sample	2MASS:J
3	1.25	0.53	0.01	I/246/out	Johnson:J
4	1.63	0.61	0.01	I/246/out	Johnson:H
5	1.65	0.62	0.01	V317/sample	2MASS:H
6	2.17	0.47	0.01	V322A/out	2MASS:Ks
7	2.19	0.45	0.00	I/246/out	Johnson:K
8	3.35	0.23	0.01	N/38/tic	WISE:W1
9	3.40	0.22	0.01	I/346/jssc_v2	Johnson:L
10	4.60	0.12	0.00	N/38/tic	WISE:W2
11	11.57	0.02	0.00	N/38/tic	WISE:W3
12	22.11	0.01	0.00	N/38/tic	WISE:W4

Bad Data Points (All not shown)

	wl	f1	efl	src	band
0	0.15	0.00	nan	JAJ/142/138/Mdwarfs	GALEX:FUV
1	0.23	0.00	nan	JAJ/145/102/Mdwarfs	GALEX:NUV
2	0.35	0.00	0.00	V353/gsc242	SDSS:u
3	0.42	0.01	0.00	V136/tycall	HP:BT
4	0.44	0.03	0.00	VMNRAS/443/2561/stars	Johnson:B
5	0.48	0.04	0.00	V353/gsc242	SDSS:g
6	0.53	0.08	0.01	V136/tycall	HP:VT
7	0.55	0.09	0.00	N/38/tic	Johnson:V
8	0.67	0.16	0.00	V339/hsoy	Gaia:G
9	0.90	0.24	0.00	V353/gsc242	SDSS:z
10	5.03	0.12	0.00	I/346/jssc_v2	Johnson:M

SEDmc Sampler Behavior - Markov Chain Plot



SEDmc Posterior Spread - Corner Plot

