

SEDmc

Star Summary Report

TIC101955023

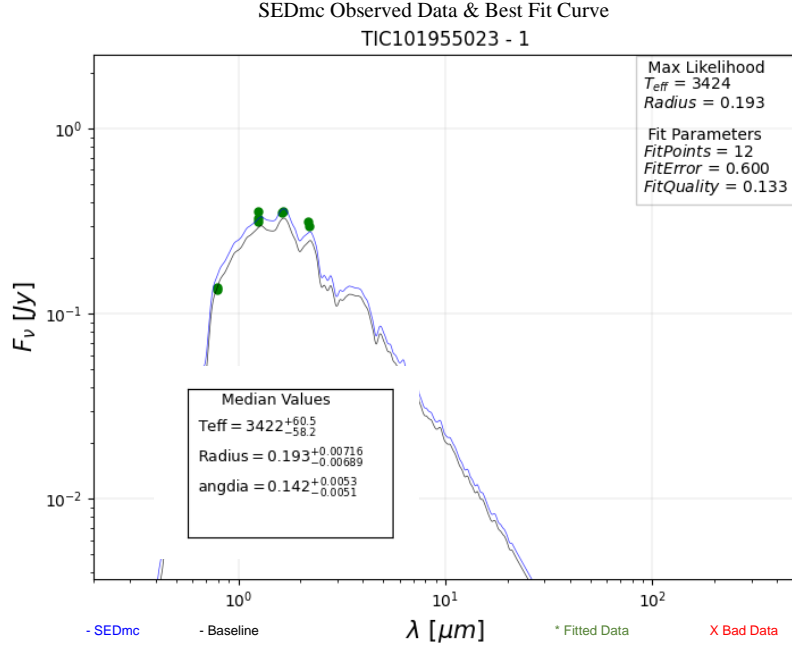
11/02/2024

Astrometry Data: ID = TIC101955023; RA,DEC = (153.7090696, -47.1549358); Best Parallax (Simbad) = 79.32 (+/-0.0182)

Stellar Parameters: Baseline Data Source = Initial SEDmc Results

Data Type	Teff [K]	Rstar [Rsun]	Angular Diameter [arcsec]
Baseline Values {SEDmc residuals}	3363 (+/-57) {1.7%}	0.187 (+/-0.00695) {3.2%}	0.138 (+/-0.0051) {2.9%}
SEDmc Results {fractional error}	3421 (+60, -58) {1.8%}	0.193 (+0.00716, -0.00689) {3.7%}	0.142 (+0.0053, -0.0051) {3.7%}

Sampling Parameters: Observed Data = New; Model = nextgen; # of Walkers = 50; # of Iterations = 5000; Burn In = 1000
Min Wavelength = 0.445; Max Wavelength = 2.19; # of Fit Points = 12; # of Bad Points = 1; Fit Error = 0.6



Observed Data

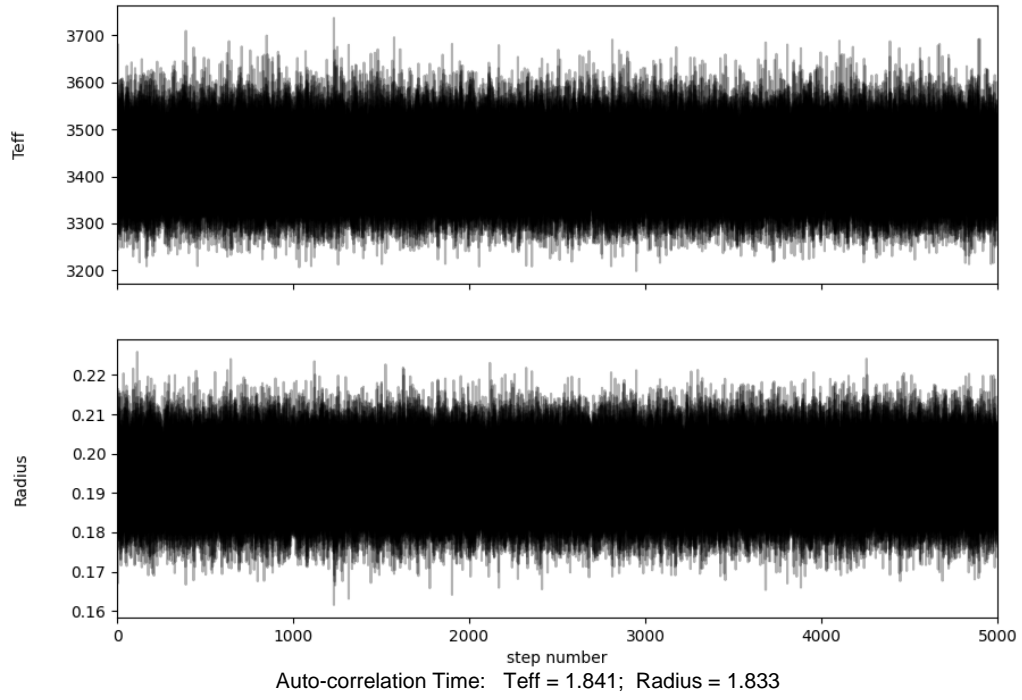
Good Data Points (Used in Sampler)

Bad Data Points (All not shown)

	wl	fl	efl	src	band
0	0.44	0.02	0.00	I/320/spm4	Johnson:B
1	0.65	0.04	0.00	JAJ/149/5/Mdwarfs	Cousins:R
2	0.67	0.04	0.00	N/38/tic	Gaia:G
3	0.79	0.14	0.01	JAJ/149/5/Mdwarfs	Cousins:I
4	0.79	0.14	0.00	II/279/rave_dr5	DENIS:I
5	1.24	0.32	0.01	II/279/rave_dr5	2MASS:J
6	1.24	0.36	0.02	II/279/rave_dr5	DENIS:J
7	1.25	0.33	0.00	I/246/out	Johnson:J
8	1.63	0.35	0.01	I/246/out	Johnson:H
9	1.65	0.36	0.01	II/279/rave_dr5	2MASS:H
10	2.17	0.32	0.01	N/38/tic	2MASS:Ks
11	2.19	0.30	0.00	I/246/out	Johnson:K

	wl	fl	efl	src	band
0	0.55	0.01	0.00	N/38/tic	Johnson:V

SEDmc Sampler Behavior - Markov Chain Plot



SEDmc Posterior Spread - Corner Plot

