

SEDmc

Star Summary Report

TIC159304532

11/02/2024

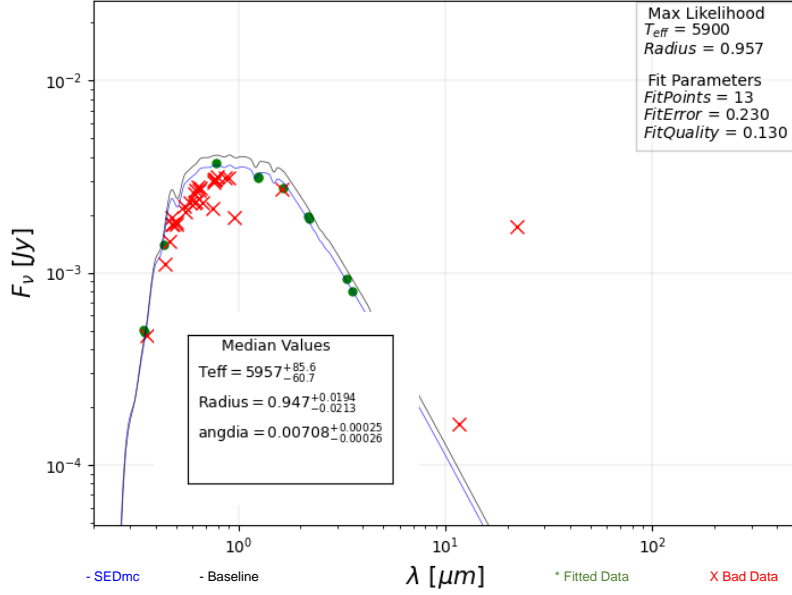
Astrometry Data: ID = TIC159304532; RA,DEC = (290.2632874, 44.5564051); Best Parallax (Simbad) = 0.8039 (+/-0.0235)

Stellar Parameters: Baseline Data Source = NASA

Data Type	Teff [K]	Rstar [Rsun]	Angular Diameter [arcsec]
Baseline Values {SEDmc residuals}	5863 (+/-103.52) {1.6%}	1.05 (+/-0.28) {-9.8%}	0.0076 (+/-0.002) {-6.8%}
SEDmc Results {fractional error}	5956 (+85, -60) {1.4%}	0.947 (+0.0194, -0.0213) {2.0%}	0.00708 (+0.00025, -0.00026) {3.5%}

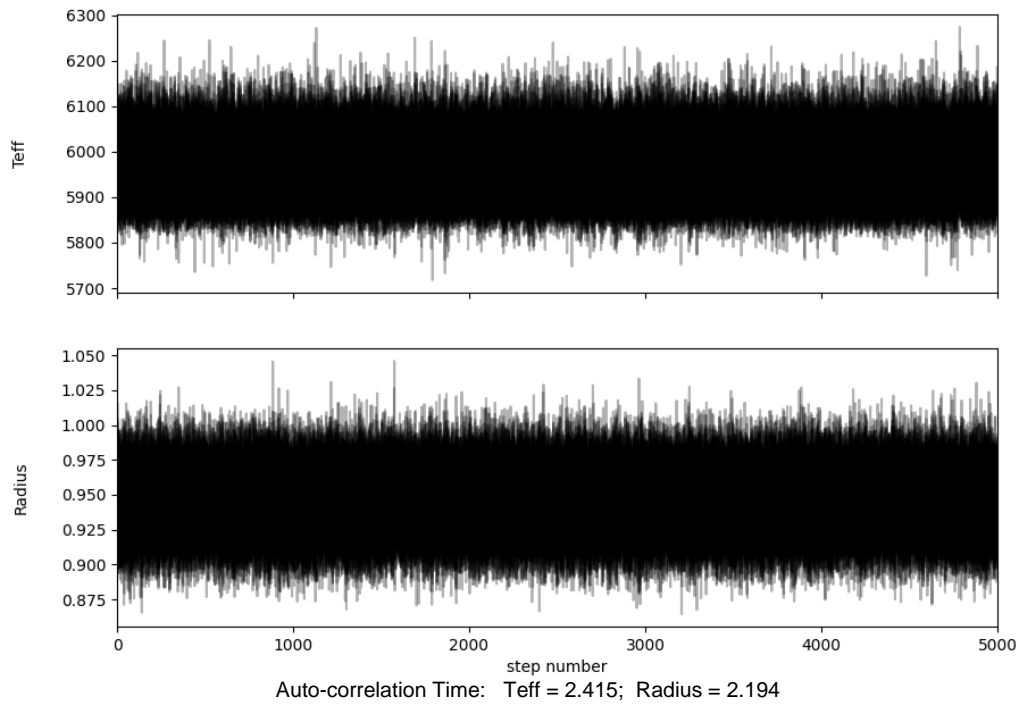
Sampling Parameters: Observed Data = New; Model = nextgen; # of Walkers = 50; # of Iterations = 5000; Burn In = 1000
Min Wavelength = 0.35; Max Wavelength = 4.6; # of Fit Points = 13; # of Bad Points = 31; Fit Error = 0.23

SEDmc Observed Data & Best Fit Curve
TIC159304532 - 1



Good Data Points (Used in Sampler) Bad Data Points (All not shown)

SEDmc Sampler Behavior - Markov Chain Plot



SEDmc Posterior Spread - Corner Plot

