

# SEDmc

## Star Summary Report

**TIC159304532**

11/03/2024

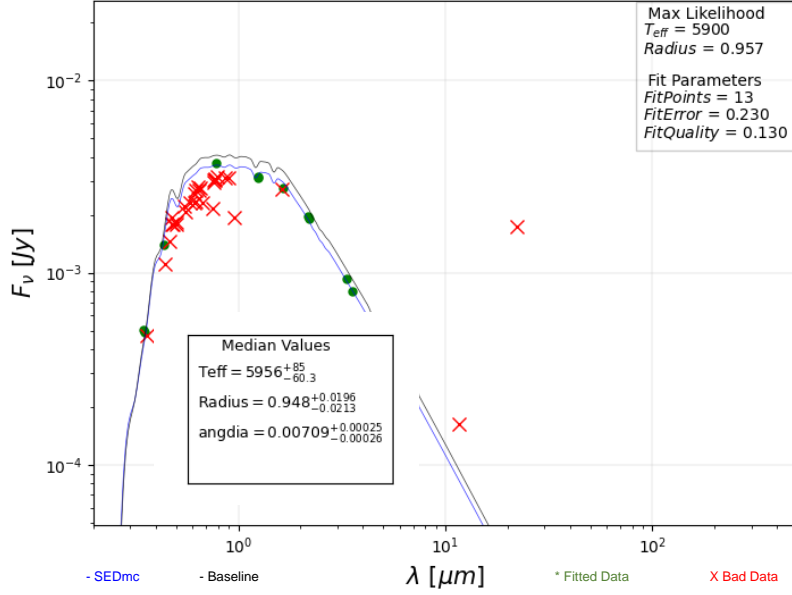
**Astrometry Data:** ID = TIC159304532; RA,DEC = (290.2632874, 44.5564051); Best Parallax (Simbad) = 0.8039 (+/-0.0235)

**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) {-9.7%}	0.0076 (+/-0.002) {-6.7%}
SEDmc Results {fractional error}	5956 (+84, -60) {1.4%}	0.948 (+0.0196, -0.0213) {2.1%}	0.00709 (+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

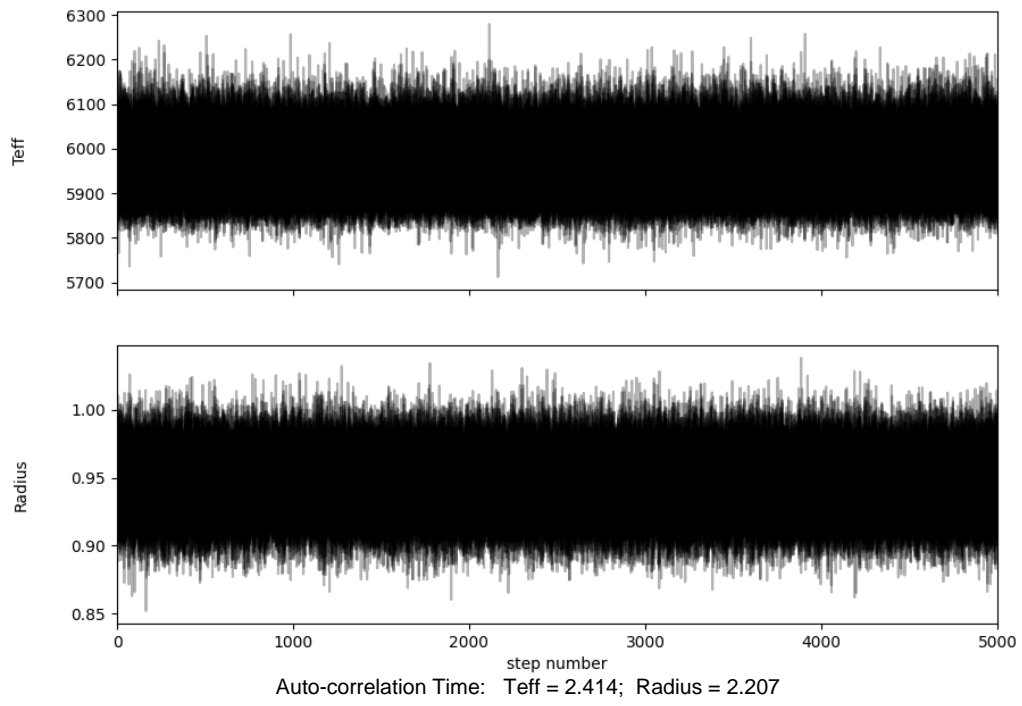
SEDmc Observed Data & Best Fit Curve  
TIC159304532 - 1



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

[illegible]

### SEDmc Sampler Behavior - Markov Chain Plot



### SEDmc Posterior Spread - Corner Plot

