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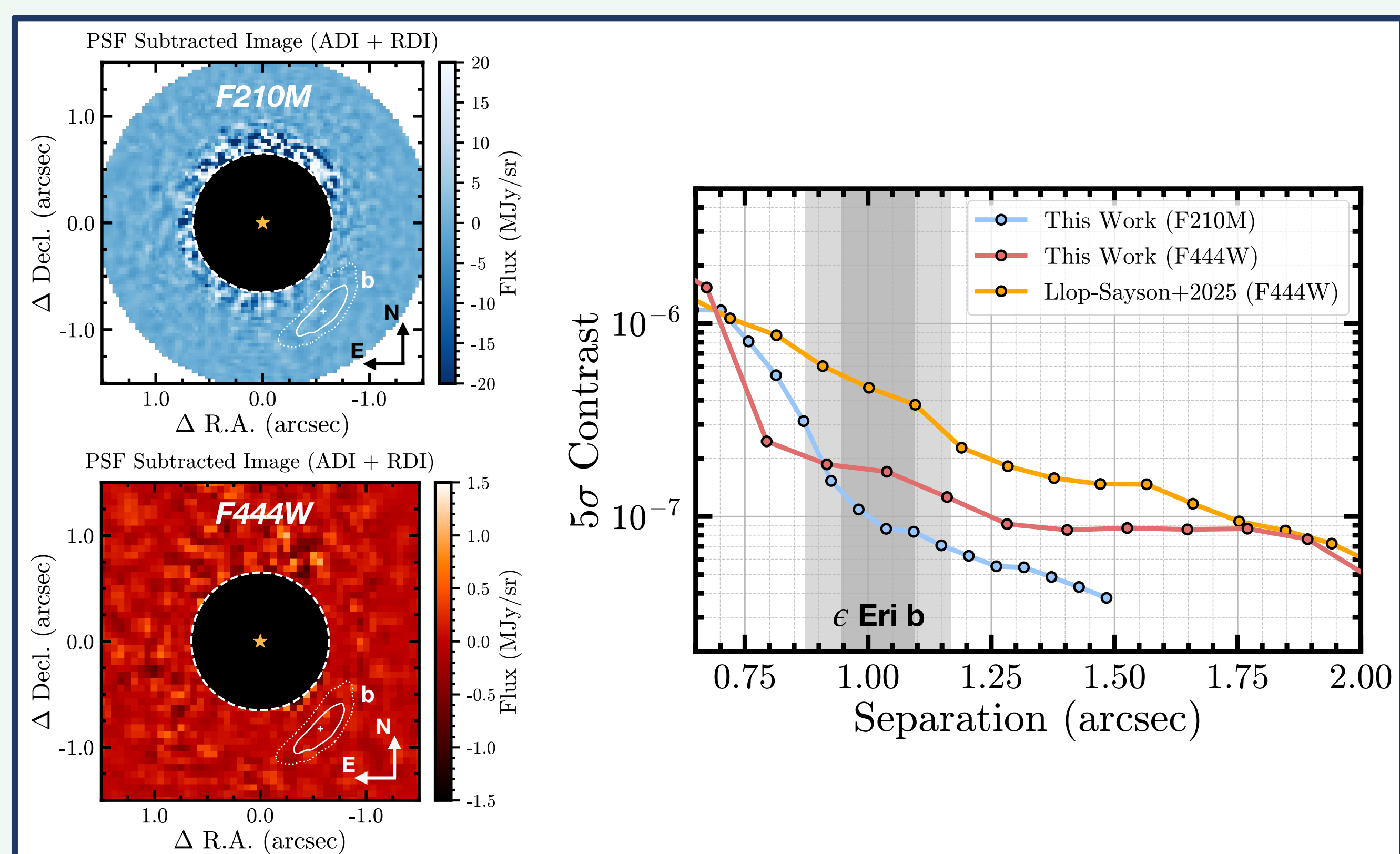
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ε Eri b

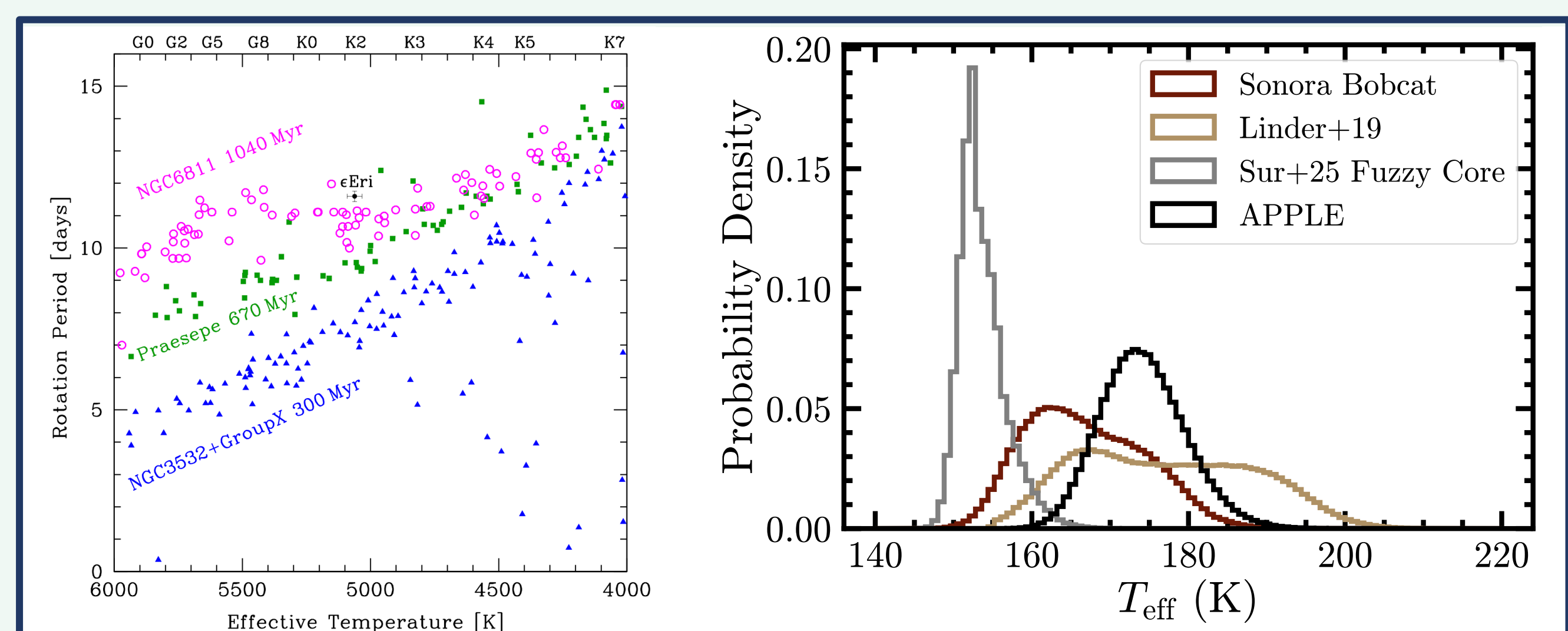
“The one that got away”

Sanghi et al. (2026a, submitted)

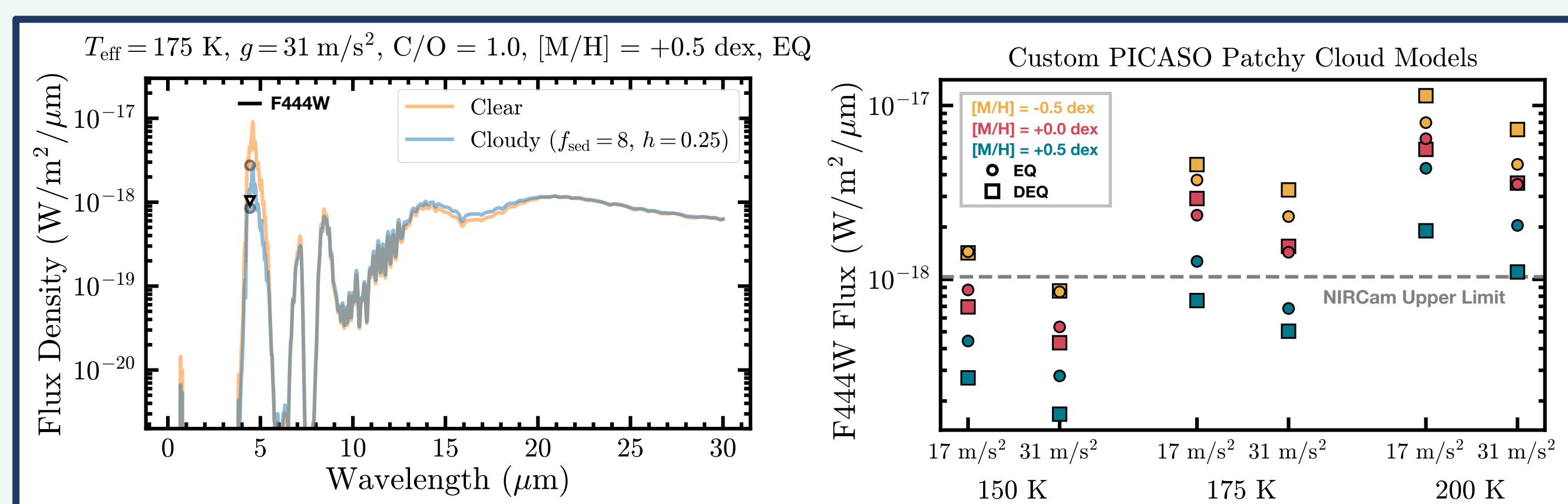
The most sensitive NIRCam observations to date, achieving $\sim 2 \times 10^{-7}$ contrast at 1”, do not detect ε Eri b.



Gyrochronology finds an older age, 1.1 ± 0.1 Gyr, for ε Eri, leading to an evolutionary model-predicted temperature between 150–200 K for ε Eri b.



ε Eri b’s NIRCam non-detection implies enhanced atmospheric metallicity and/or the presence of water clouds based on clear Sonora Flame Skimmer models and custom PICASO cloudy models.

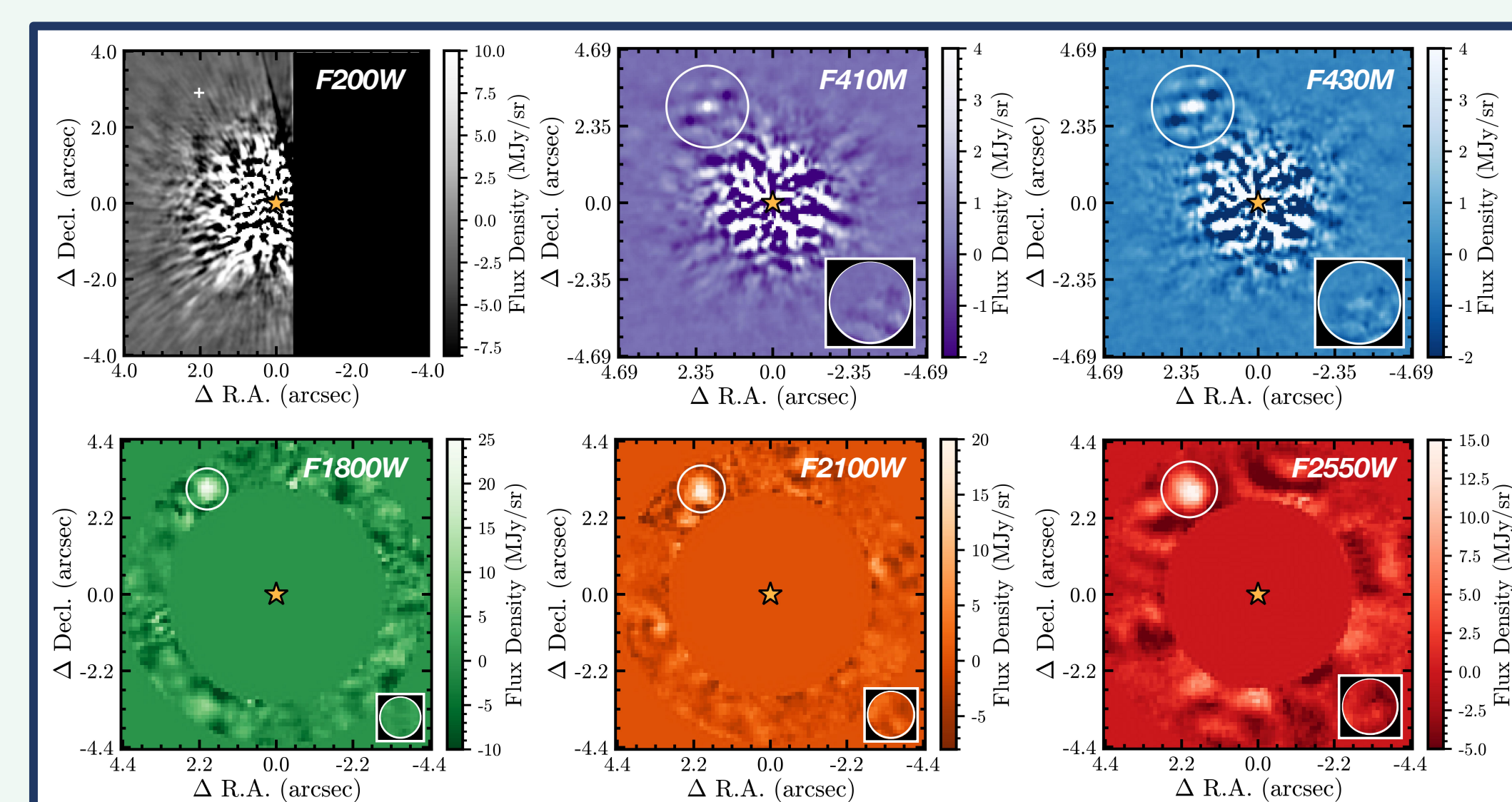


ε Ind Ab

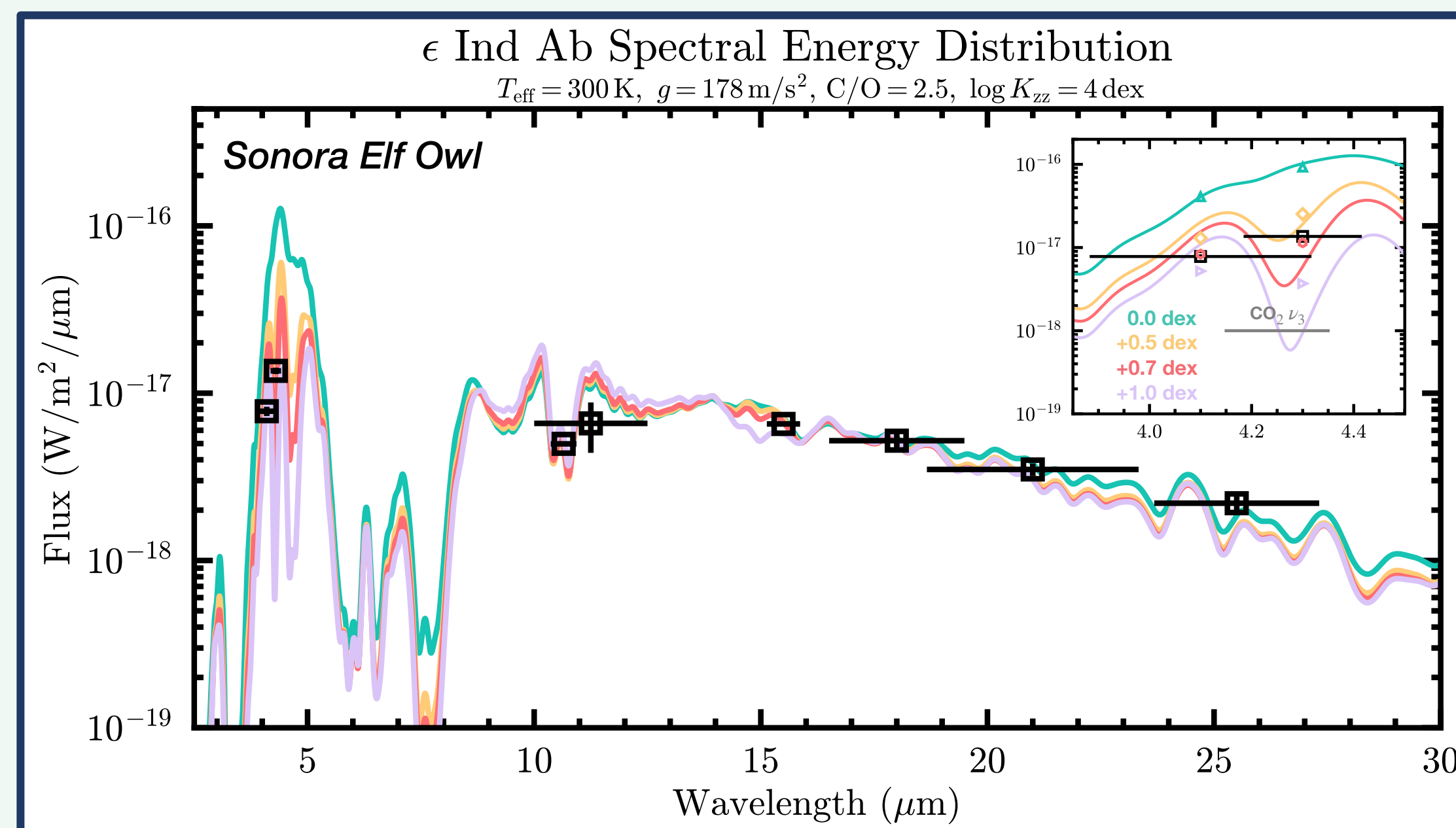
“The one that was caught”

Sanghi et al. (2026b, submitted)

JWST NIRCam and MIRI imaging of ε Ind Ab yields the first 4–25 μm SED of a cold giant planet outside the Solar System.



NIRCcam F410M and F430M photometry show evidence of flux suppression consistent with enhanced metallicity.



Evolutionary model predictions are in excellent agreement with the empirical L_{bol} , dynamical mass, and estimated age.

