

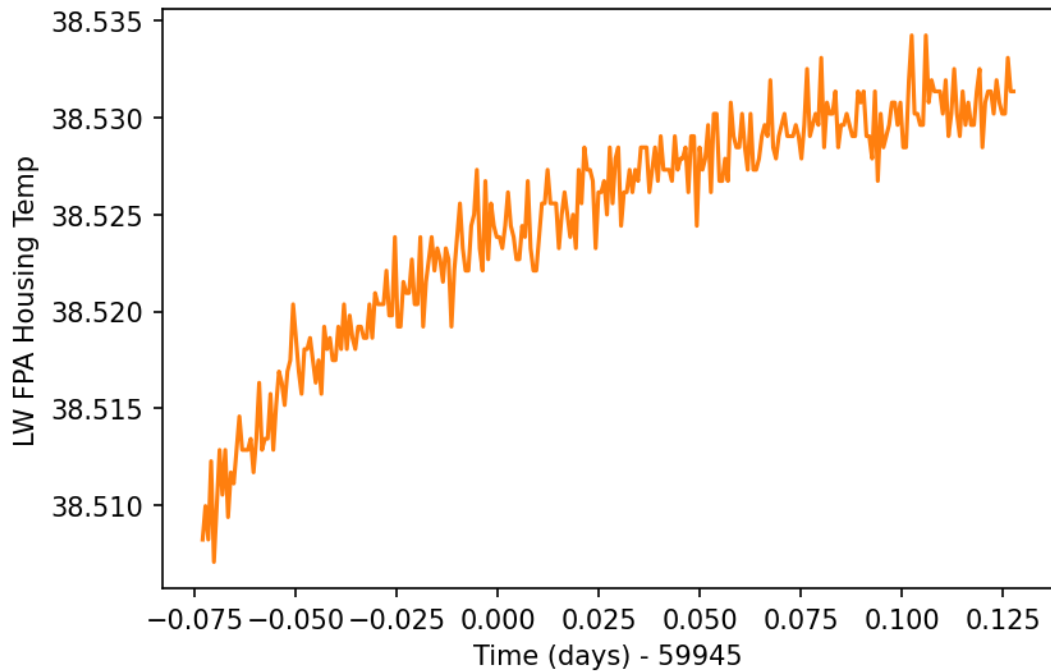
FPAH = Focal Planet Array Housing

FPAH vs Flux (Anti-)Correlation

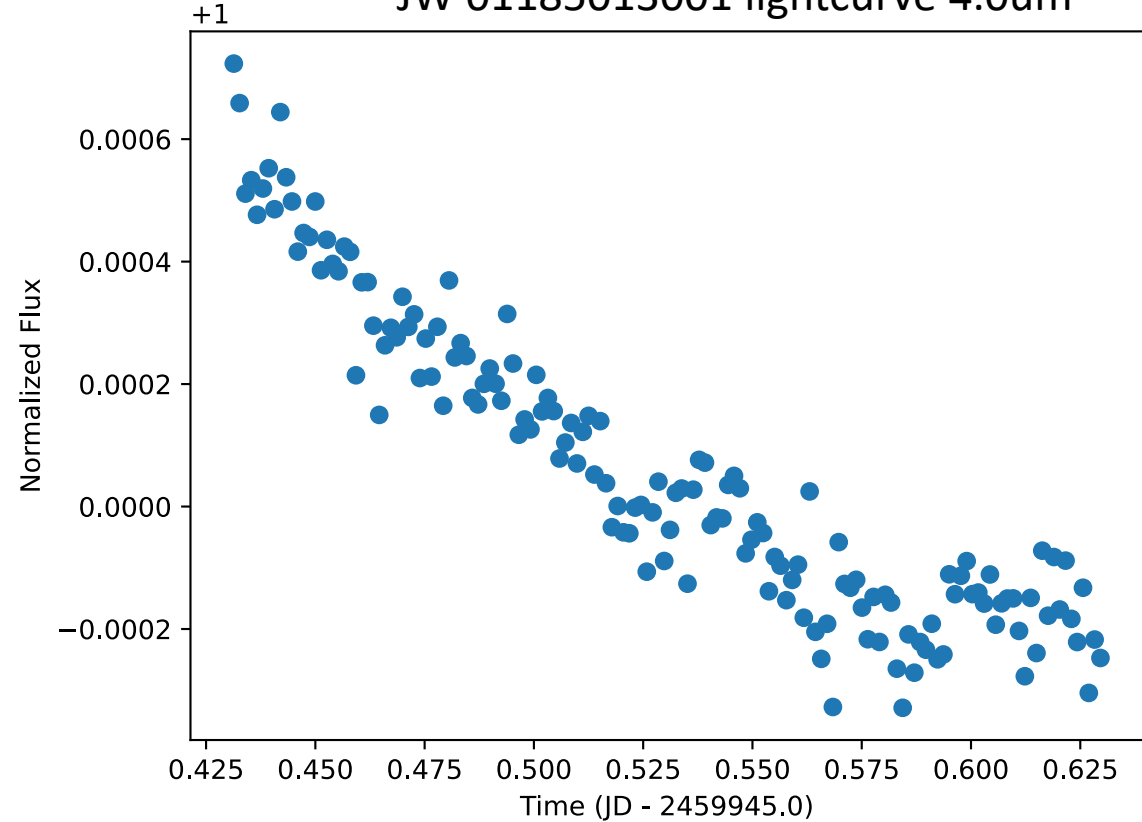
E Schlawin

FPA Housing temp correlation?

IGDP_NRC_A_T_LWFPAH1

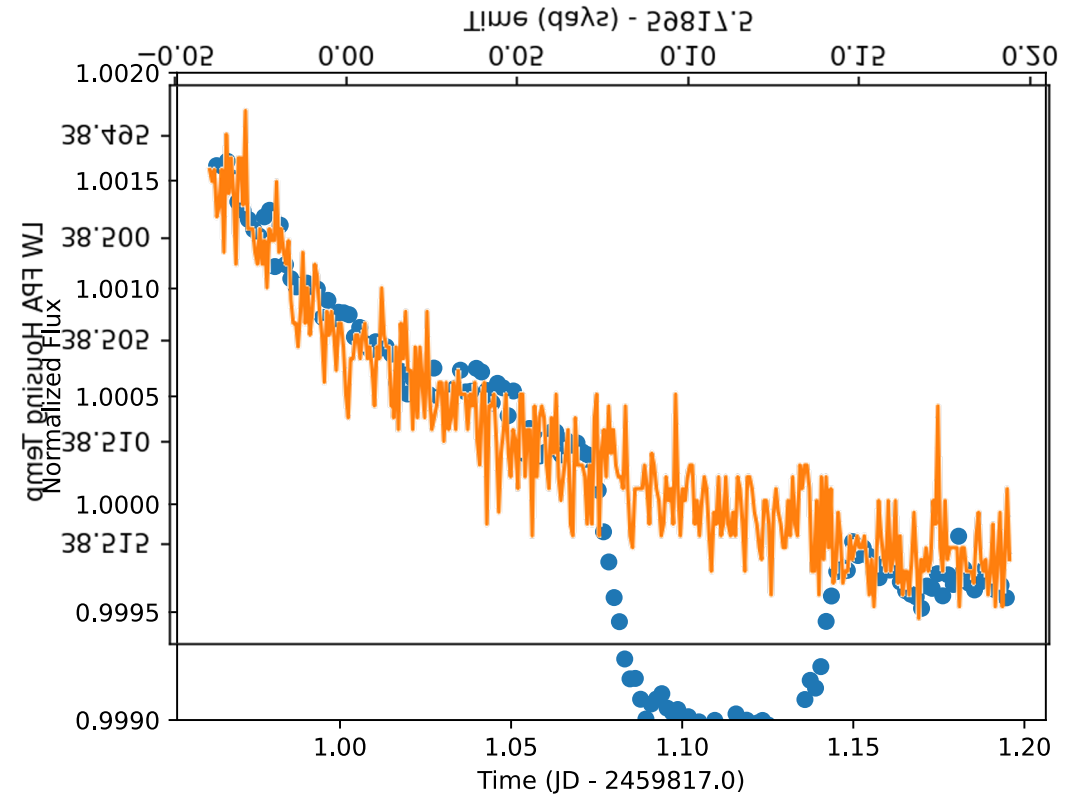
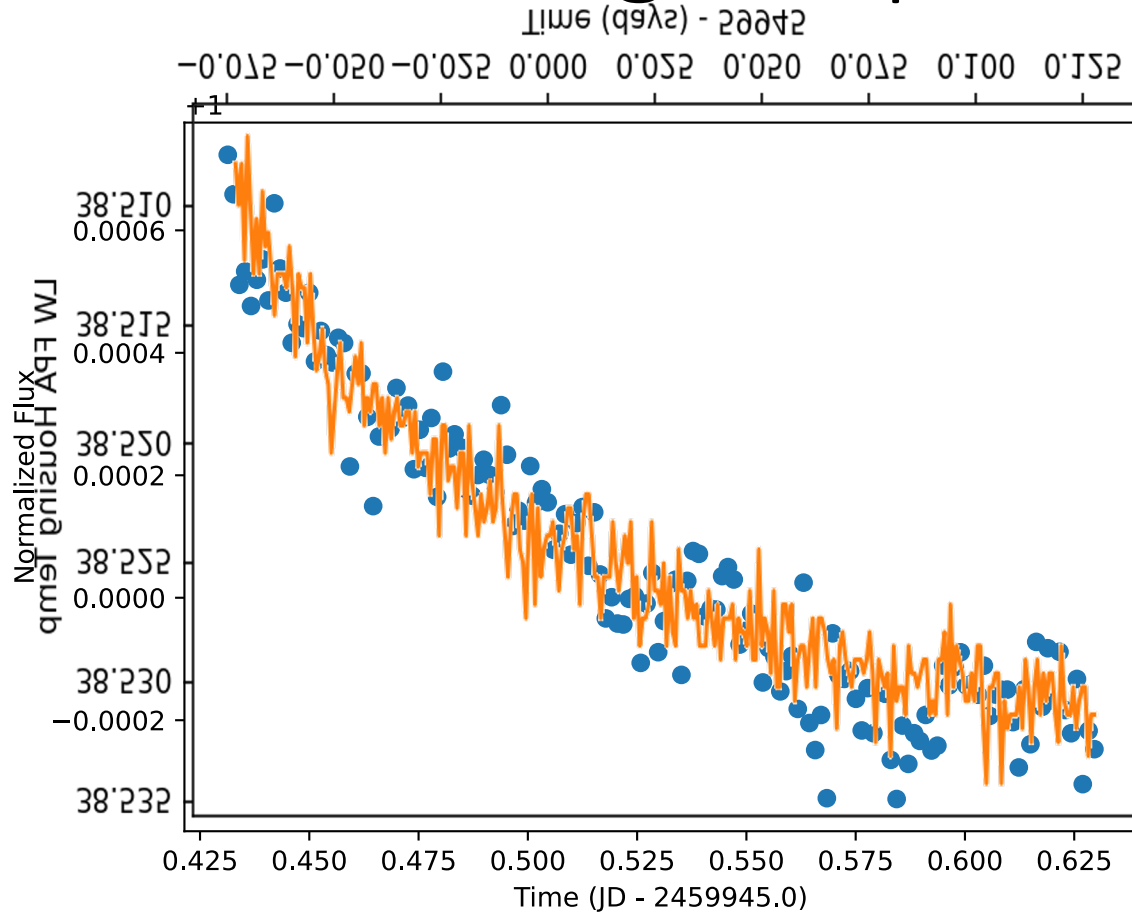


JW 01185013001 lightcurve 4.0um



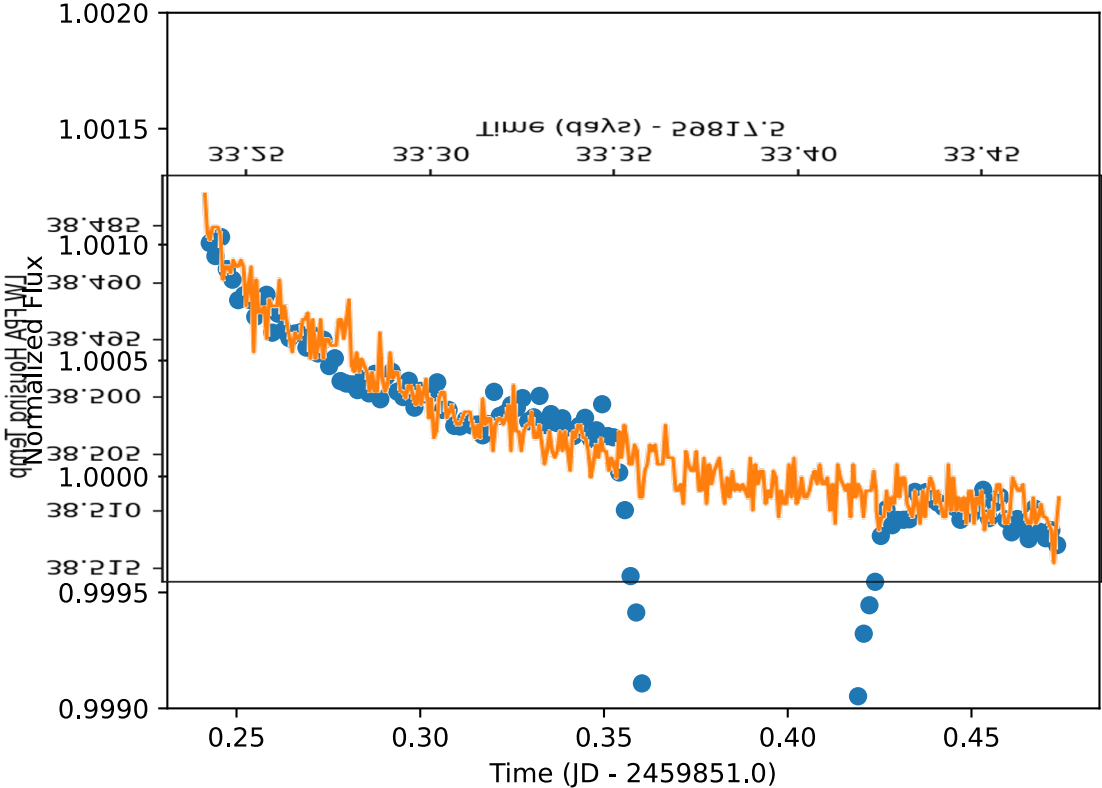
LWFPAH = Long Wavelength Focal Planet Array Housing

FPA Housing temp correction?

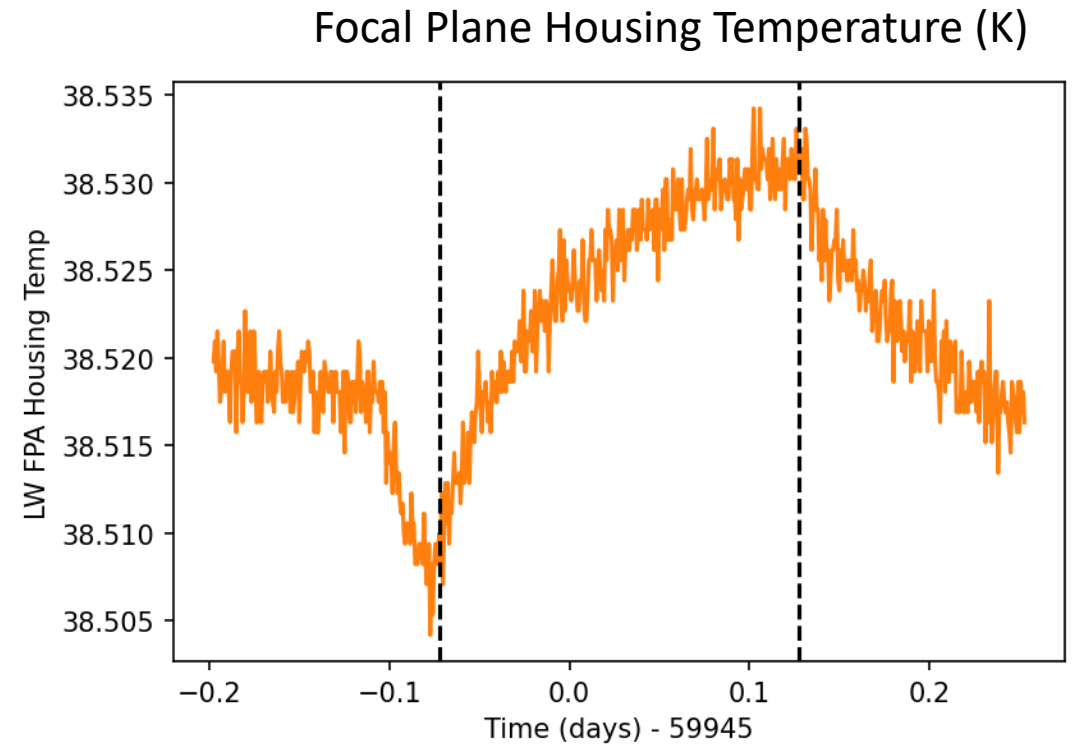
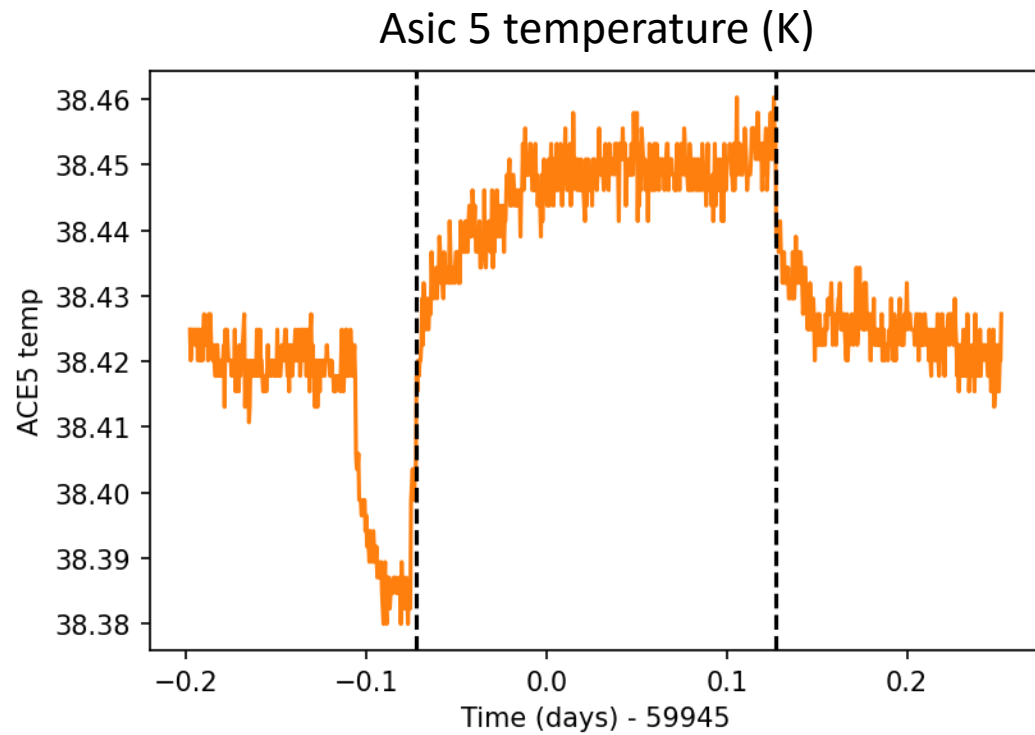


Physically related or just coincidence?

Jw 01185001

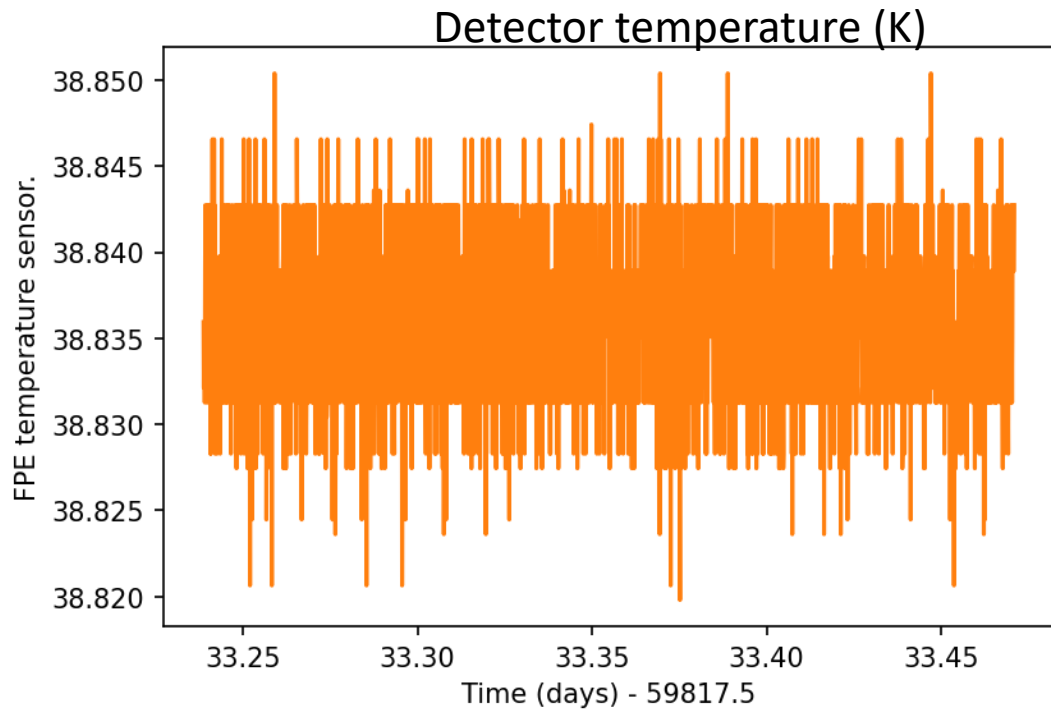


FPAH seems to be caused by ASIC warm-up after exposure start

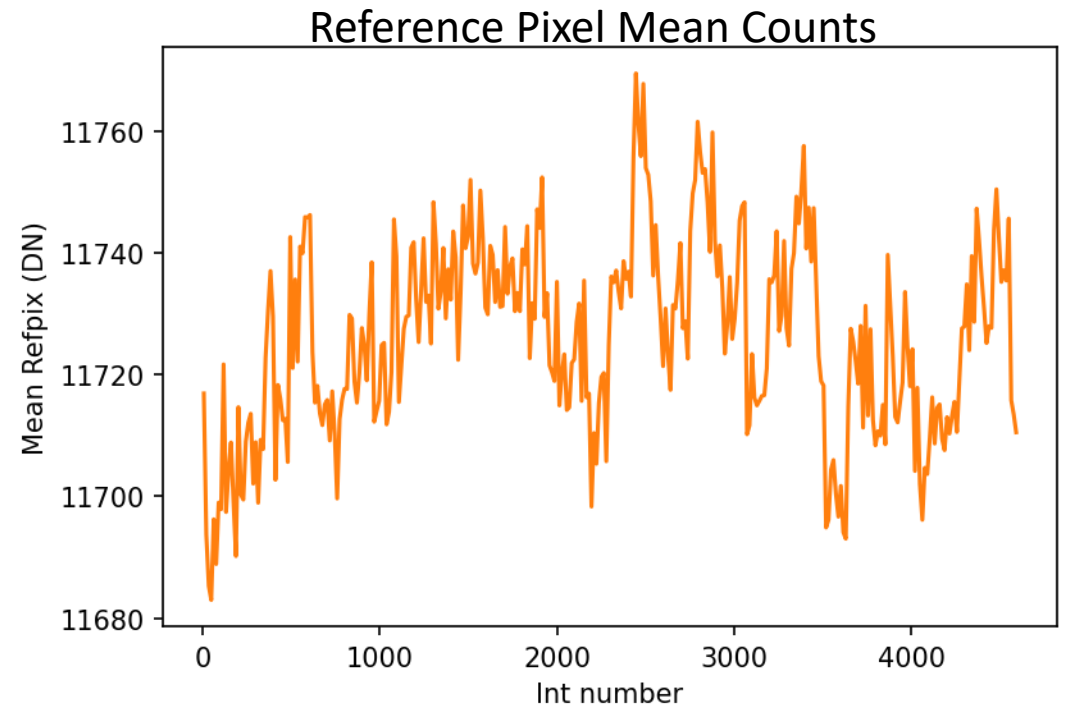


GJ 436 b F444W (prog 1185 obs 13)

The Detector Temperature* Looks Flat (b/c of active temperature control)



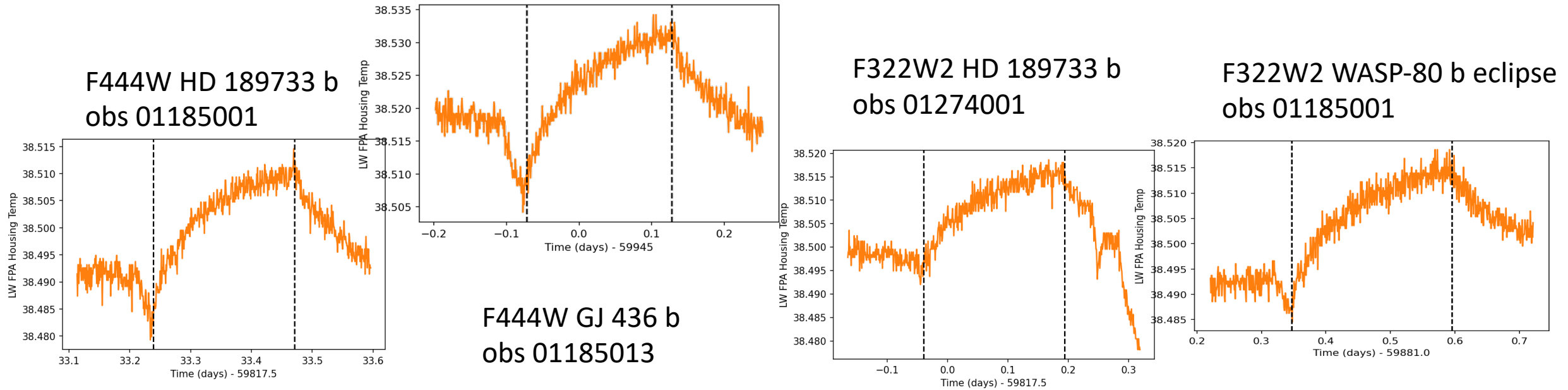
HD 189733 b – F444W time series



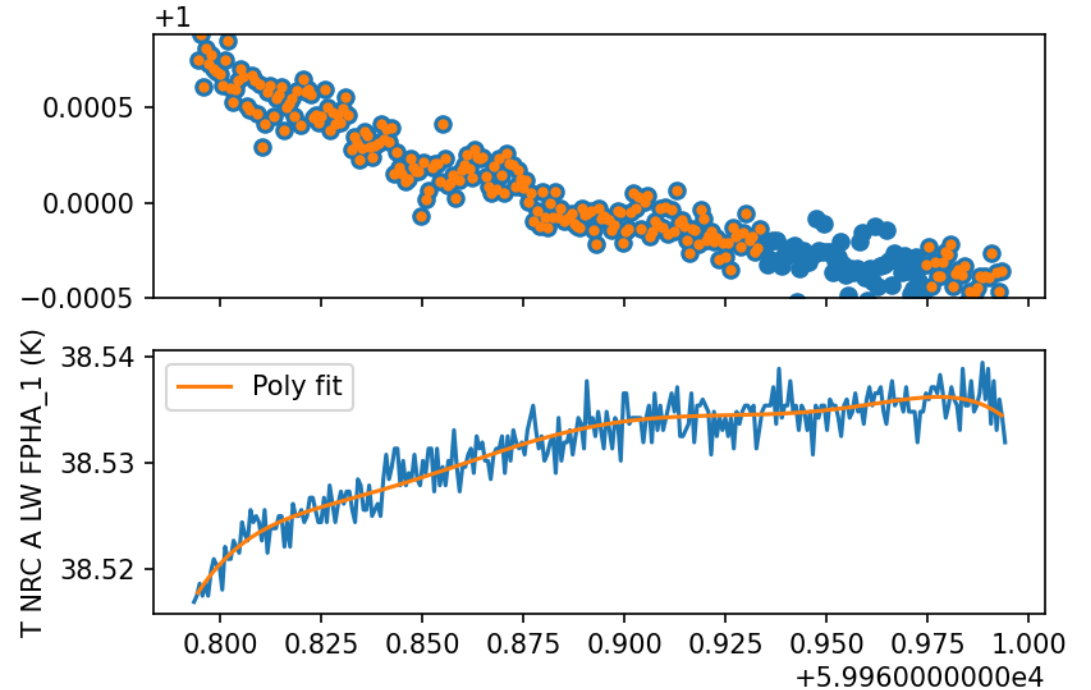
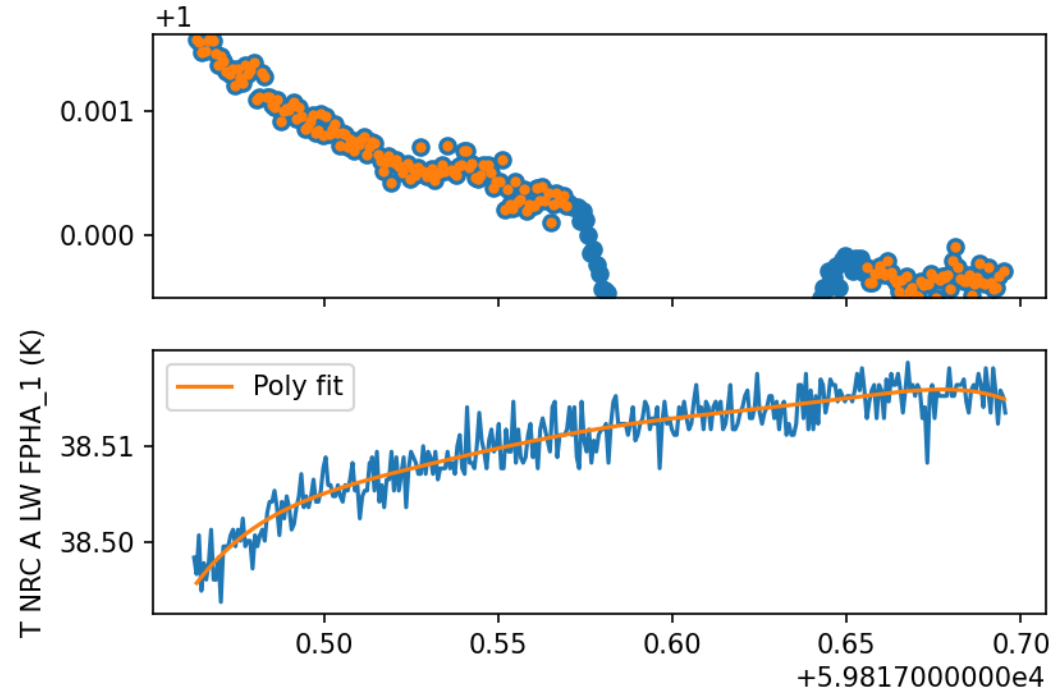
Reference pixels can be an independent measure of temperature changes

*Mike R notes that thermistor could still not be measuring true detector temperature

Characteristic Temp Curves together

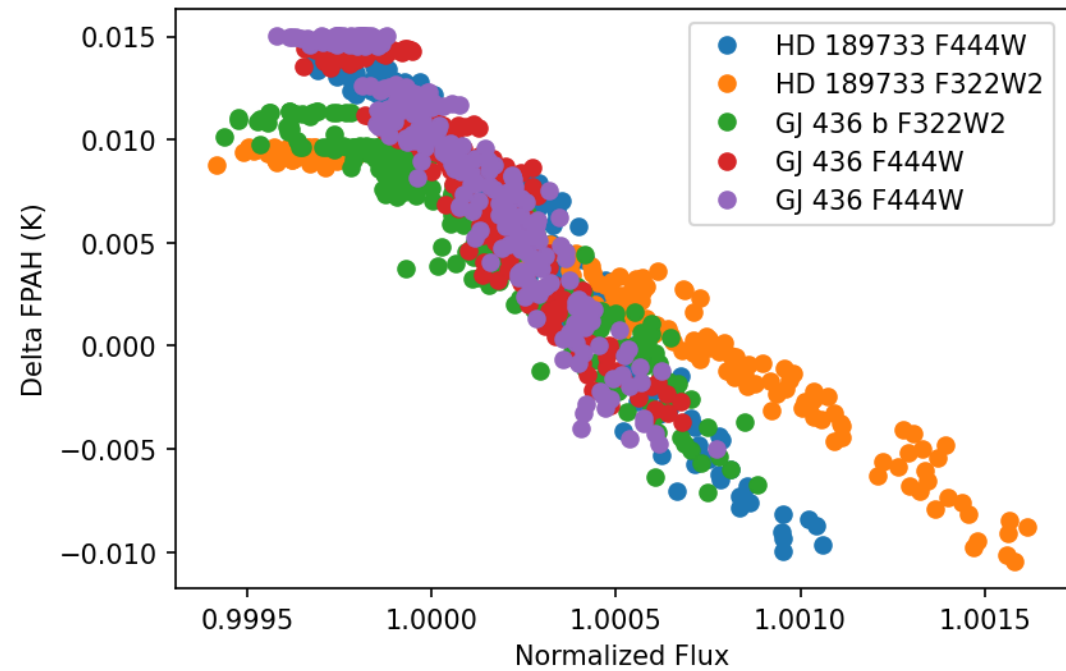
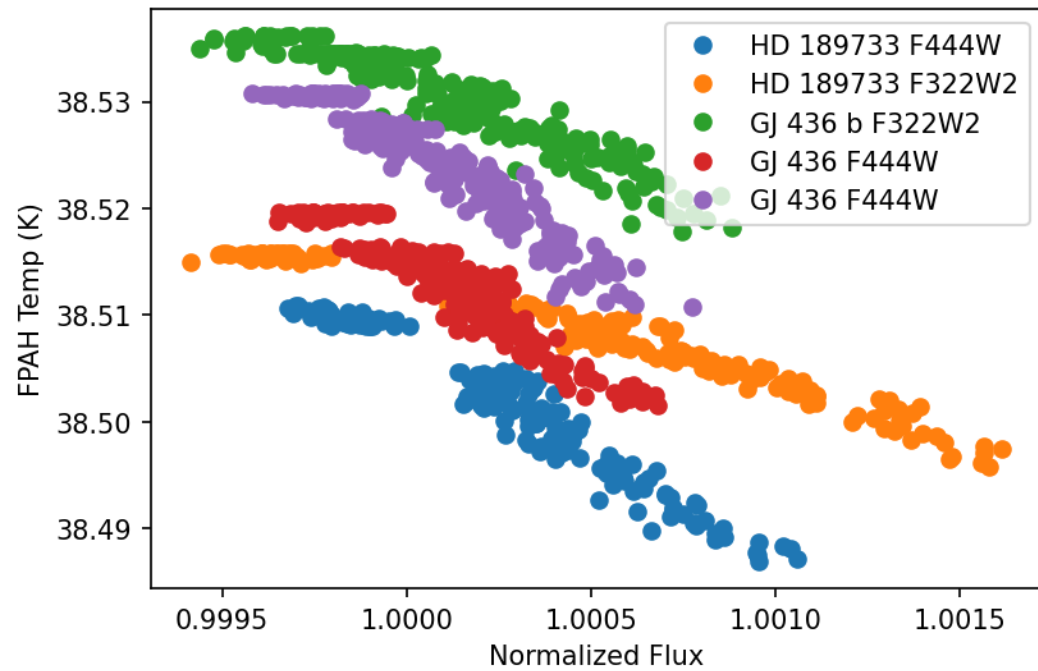


Putting together all Subgrism64 observations



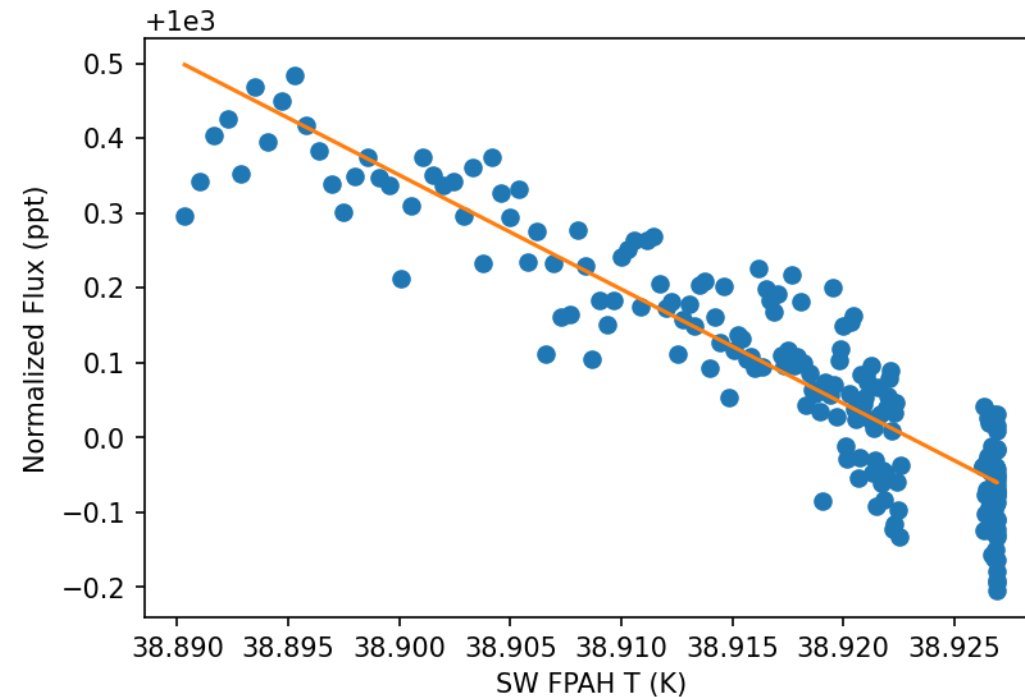
Save all out-of-eclipse points

Putting together all Subgrism64 observations



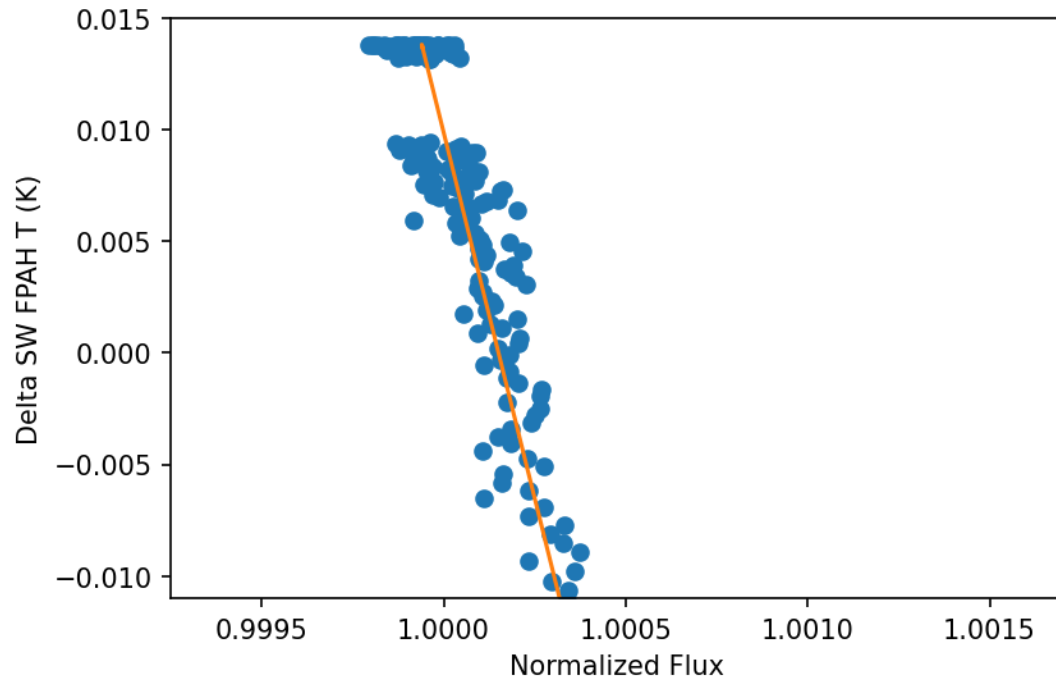
Maybe a universal trend for F444W?

NIRCam Short wave photometry also shows an anti-correlation w/ SW FPAH

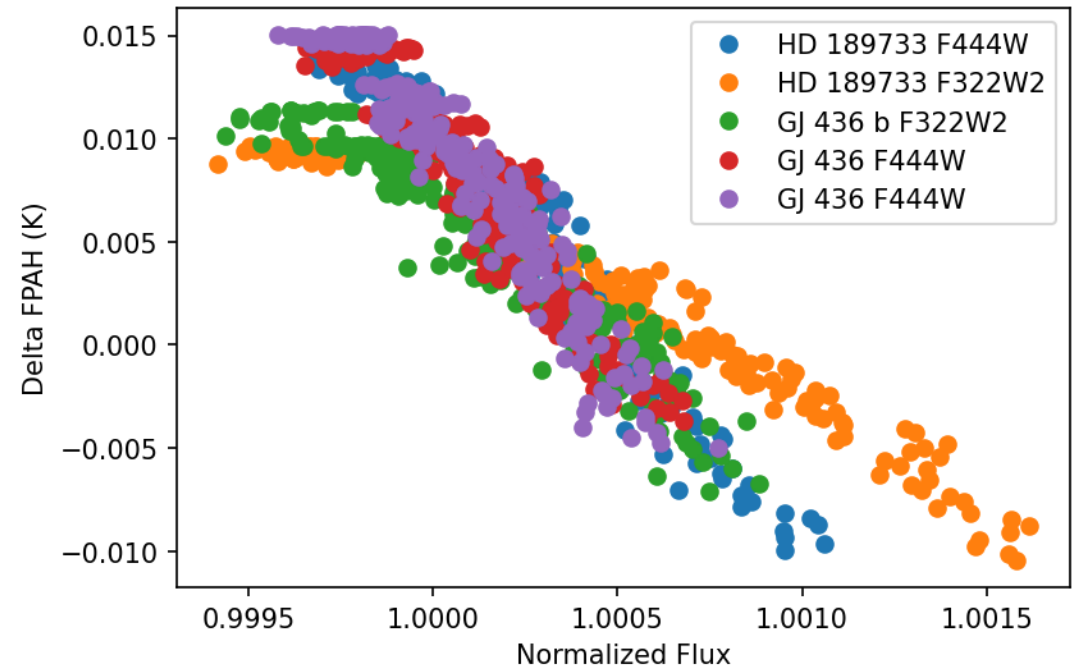


Haven't looked at as many lightcurves

It's a smaller change in flux with temperature
as I saw in the LW



Short Wavelength (SW) Channel



Long Wavelength (LW) channel

WASP-69 b photometry