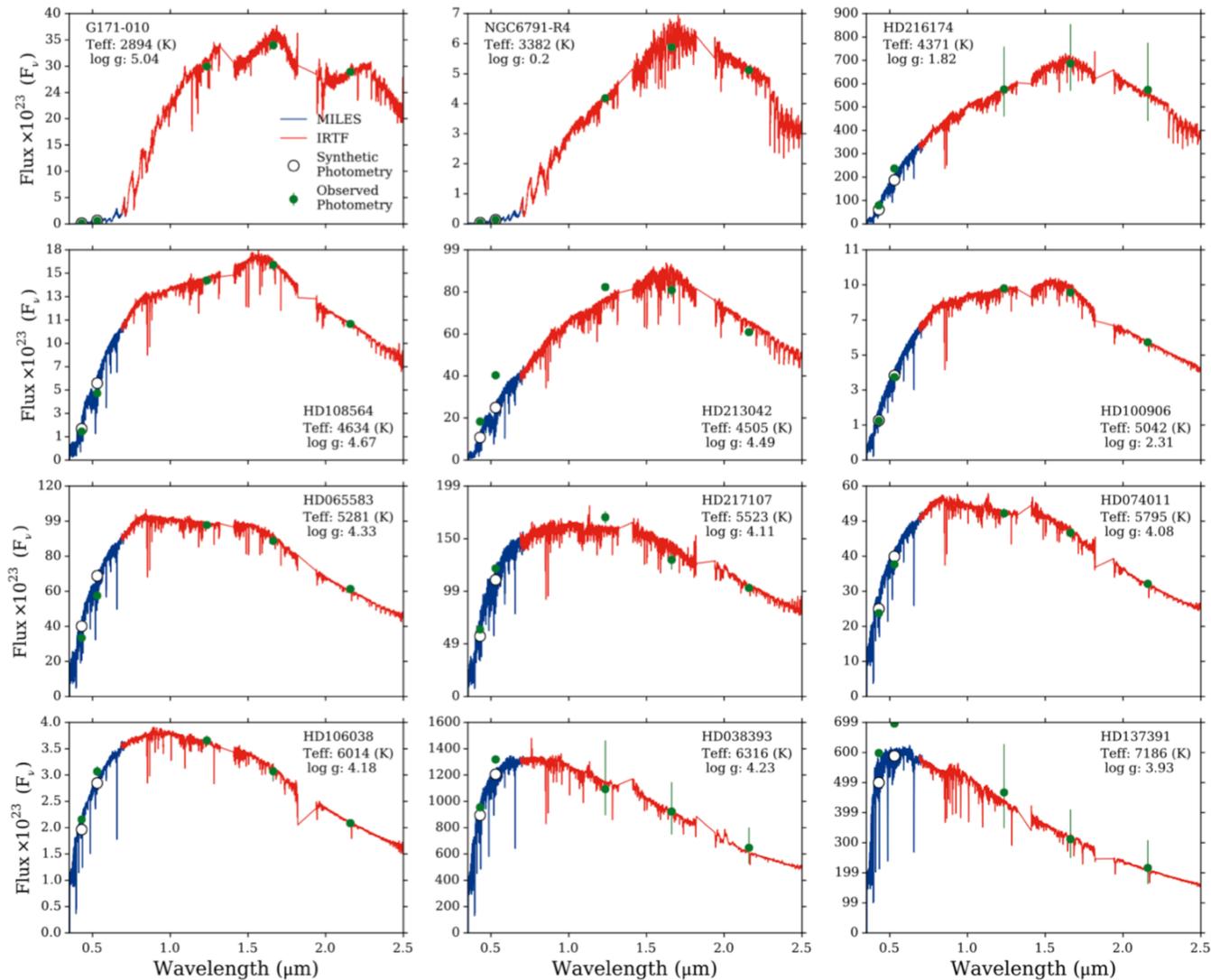


IRTF EXTENDED SPECTRAL LIBRARY

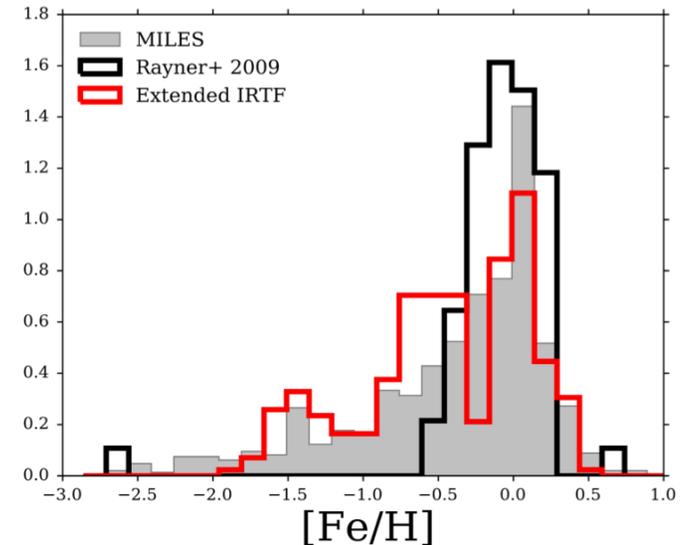
MILES optical spectra + IRTF NIR spectra



Villaume *et al.* 2017. ApJS 230, 23

IRTF EXTENDED SPECTRAL LIBRARY

- 207 stars all in MILES optical spectral library
- Extended metallicity $-1.7 < [\text{Fe}/\text{H}] < 0.3$, only solar metallicity for IRTF Cool Stars Library
- $0.7\text{-}2.5\ \mu\text{m}$ all stars, with MILES continuous across $0.35\text{-}2.5\ \mu\text{m}$
- $R \approx 2000$, $S/N \geq 100$
- Continuum shape preserved
- Spectra are absolute flux calibrated (2MASS)



http://irtfweb.ifa.hawaii.edu/~spex/IRTF_Extended_Spectral_Library/

Name	Miles ID	RA	Dec	Fe/H	K(mag)	Spectral	Reddened	Unreddened
BD+130013	0010F	00:12:30.3109	+14:33:48.678	-0.75	6.24	G8V+K5V	FITS TXT	FITS TXT PNG
HD001461	0013F	00:18:41.8672	-08:03:10.802	0.19	4.9	G3VFe0.5	FITS TXT	FITS TXT PNG
HD001918	0014F	00:23:43.2412	+45:05:20.892	-0.4	5.23	G9III	FITS TXT	FITS TXT PNG
HD003567	0022F	00:38:31.9474	-08:18:33.395	-1.14	7.89	F7/8wF3	FITS TXT	FITS TXT PNG
HD003546	0023F	00:38:33.3461	+29:18:42.313	-0.66	2.07	G7IIIFe-3CH1	FITS TXT	FITS TXT PNG
HD003574	0024F	00:39:09.8946	+49:21:16.521	0.01	1.6	K5III	FITS TXT	FITS TXT PNG
HD004307	0028F	00:45:28.6878	-12:52:50.914	-0.24	4.62	G0V	FITS TXT	FITS TXT PNG

Villaume *et al.* 2017. ApJS 230, 23