

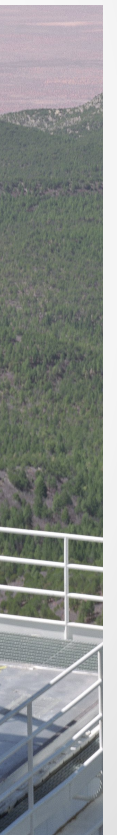
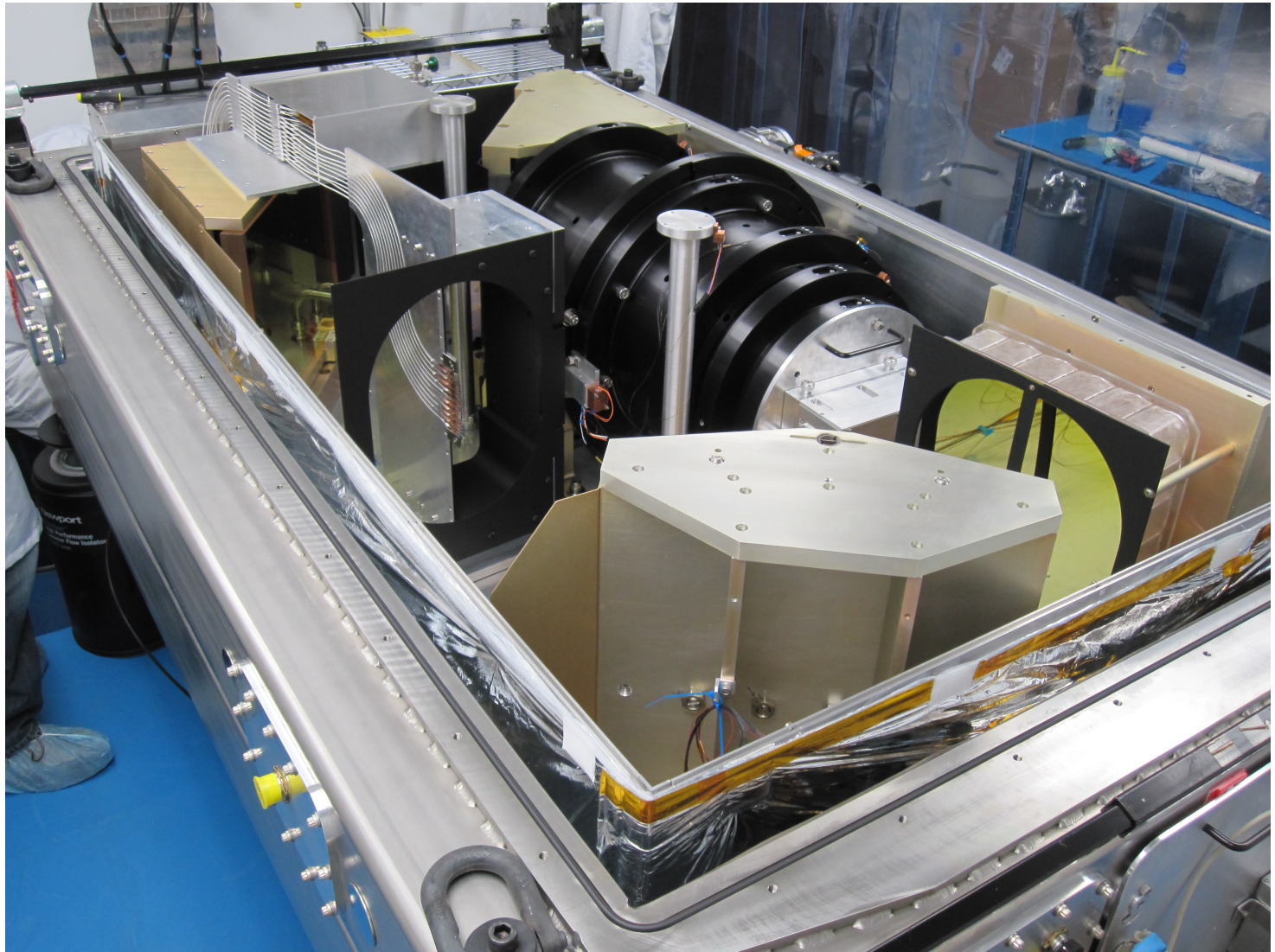


APOGEE Projects at NMSU

Diane Feuillet

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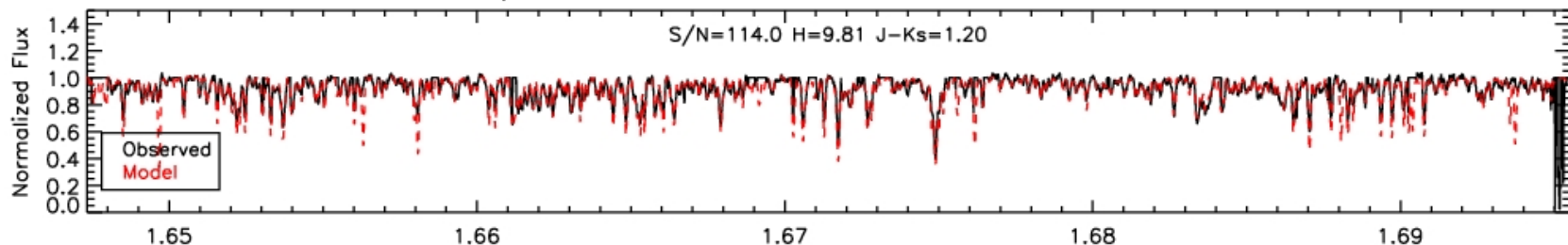
Nov 30, 2012
New Mexico Symposium



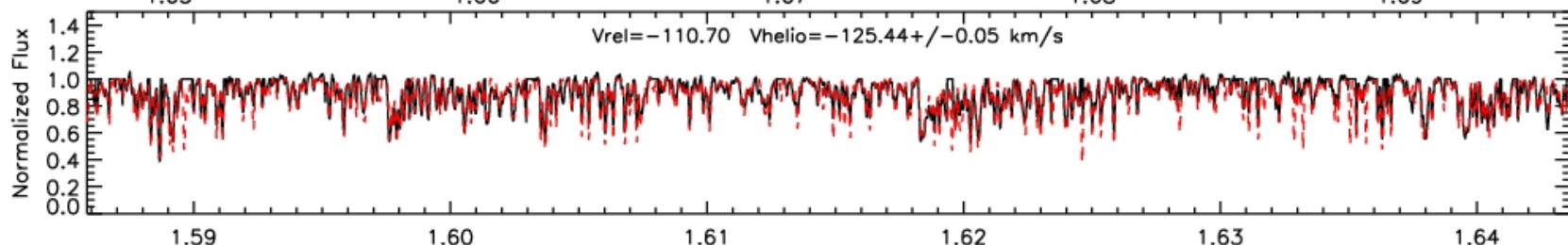
ASDCAD

apVisit-6089-56256-002 2M21544197+5016003

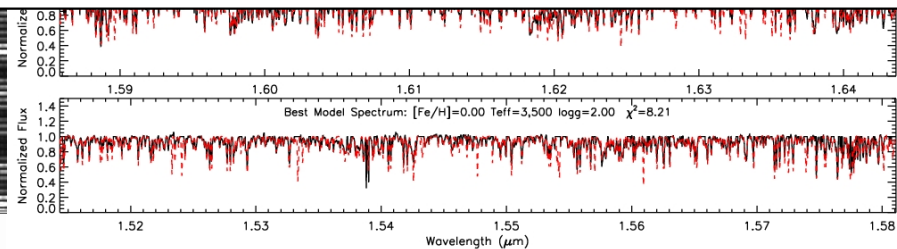
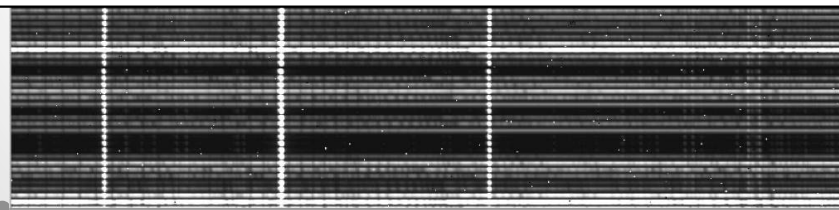
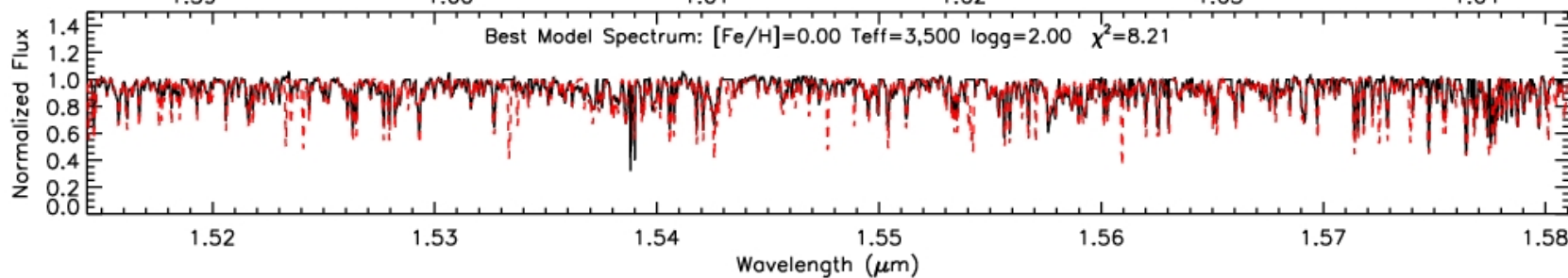
S/N=114.0 H=9.81 J-Ks=1.20



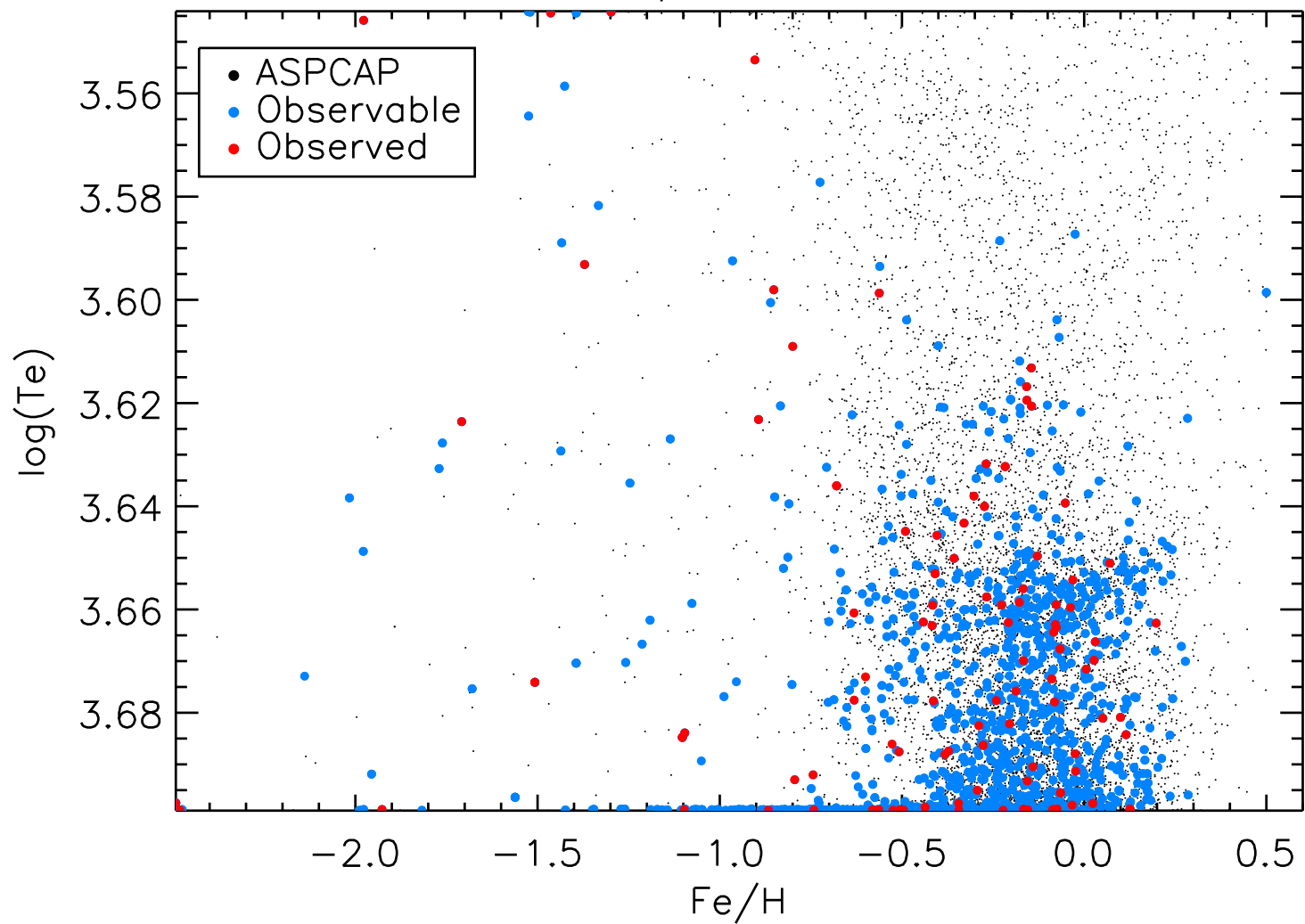
$V_{\text{rel}} = -110.70$ $V_{\text{helio}} = -125.44 \pm 0.05$ km/s

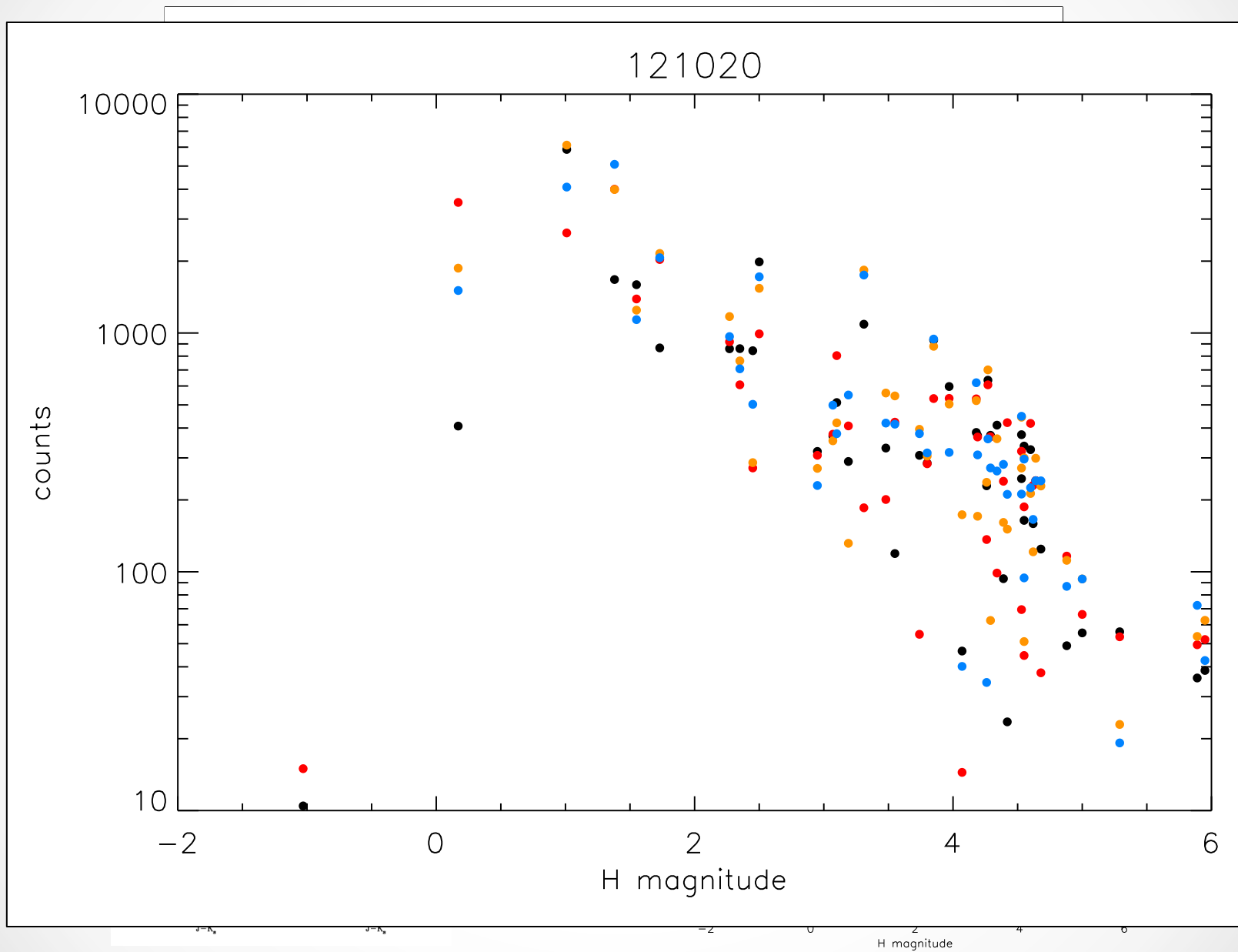


Best Model Spectrum: $[\text{Fe}/\text{H}] = 0.00$ $T_{\text{eff}} = 3,500$ $\log g = 2.00$ $\chi^2 = 8.21$



Metal v Temp Observable Stars





Metallicity Gradient for the Thin Disk ($Z < 0.25$ kpc, $\alpha < 0.2$)

