

## **COS-GTO: Metal Deficient Chromospheres of Old Giants**

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Scientific Category: COOL STARS

Scientific Keywords: ATMOSPHERES AND CHROMOSPHERES, GIANTS AND AGB STARS,  
STELLAR ACTIVITY

### **Abstract**

Old metal deficient giants likely have chromospheres different from younger giants with solar metal abundances. This program will study giants with very low metal abundances to test whether their chromospheres have very low heating rates indicative of heating only by the dissipation of acoustic waves, or whether magnetic heating processes contribute to the heating.

**Investigators:**

	Investigator	Institution	Country
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CoI#&	Dr. Cynthia Froning	University of Colorado at Boulder	USA/CO

Number of investigators: 2

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**Target Summary:**

Target	RA	Dec	Magnitude
HD-6833	01 09 52.2645	+54 44 20.27	V = 6.771 +/- 0.2

**Observing Summary:**

Target	Config Mode and Spectral Elements	Flags	Orbits
HD-6833	COS/FUV Spectroscopic G140L		2

Total prime orbits: 2

This is a COS GTO project, no scientific justification is needed.