

## **COS-GTO: Alien Dwarfs**

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Scientific Category: RESOLVED STELLAR POPULATIONS

Scientific Keywords: LOW-MASS AND COOL STARS, ATMOSPHERES AND CHROMOSPHERES,  
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### **Abstract**

Originally identified by Eggen on the basis of their much slower motion about the Galactic center than the local standard of rest, the Arcturus Moving Group likely consists of stars captured from a disrupted satellite of our Galaxy. These stars have low metal abundances and peculiar alpha element abundances. COS spectra will be used to determine whether metal poverty changes the heating, structure, and the dynamics of the outer layers of these stars.

## Investigators:

	Investigator	Institution	Country
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Number of investigators: 2

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## Target Summary:

Target	RA	Dec	Magnitude
HD199288	20 57 40.0700	-44 07 46.00	V = 6.52 +/- 0.1, B-V=0.59

## Observing Summary:

Target	Config Mode and Spectral Elements	Flags	Orbits
HD199288	COS/FUV Spectroscopic G130M		4
	COS/FUV Spectroscopic G140L		
HD199288	COS/FUV Spectroscopic G160M		4

Total prime orbits: 8

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