

COS-GTO: Atmosphere of a Transiting Planet

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Scientific Category: STAR FORMATION

Scientific Keywords: EXTRA-SOLAR PLANETS, PLANETARY ATMOSPHERES,
WINDS/OUTFLOWS/MASS-LOSS

Abstract

COS observations of a transiting planet at different orbital locations will be useful in identifying the chemical content, size, temperature, and flows in the atmosphere of a transiting planet.

Investigators:

	Investigator	Institution	Country
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Number of investigators: 2

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Target Summary:

Target	RA	Dec	Magnitude
HD-209458	22 03 10.8000	+18 53 4.00	V = 7.65 +/- 0.1

Observing Summary:

Target	Config Mode and Spectral Elements	Flags	Orbits
HD-209458	COS/FUV Spectroscopic G130M		3
HD-209458	COS/FUV Spectroscopic G130M		3
HD-209458	COS/FUV Spectroscopic G130M		2
HD-209458	COS/FUV Spectroscopic G130M		2
HD-209458	COS/FUV Spectroscopic G160M		3
HD-209458	COS/FUV Spectroscopic G160M		3
HD-209458	COS/FUV Spectroscopic G160M		2
HD-209458	COS/FUV Spectroscopic G160M		2

Total prime orbits: 20

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