Applying Coordinates to M29

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I. INTRODUCTION

II. DATA ACQUISITION AND SETUP

Observations were made on at the Zaffarano Hall observation deck in Ames, Iowa ($-93.647\,34^\circ$, $42.029\,96^\circ$, $342\,\mathrm{m}$). The night was mostly clear and the ambient temperature was around $12\,^\circ\mathrm{C}$. The moon was full that night which caused higher than usual lunar presence. Observations were made using a Meade 8" reflector telescope with an SBIG ST-402ME CCD camera with internal V, B, and I filters.

Setting up the telescope was the same as previous observations made with the 8" Meade telescope at Zaffarano

Hall.

- III. DATA ANALYSIS
- IV. RESULTS
- V. CONCLUSIONS

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Appendix A: Observation Log

Table I. Observed 06 September 2017 by Miles Lucas and John Brandon

Time File	N Frame	s Object	Filter	Exposure	Camera Temp.	Notes
21:39 M39_2_V_13s_	5	M39 Objects T1, T2, T3, and T4; stars R1 and R2	V	13 s	5.33 °C	
21:41 M39_2_V_13s_dark_	. 5	M39 Objects T1, T2, T3, and T4; stars R1 and R2	V	$13\mathrm{s}$	$5.33^{\circ}\mathrm{C}$	Dark frames
$21:43 \text{ M}39_2_B_13s_$	5	M39 Objects T1, T2, T3, and T4; stars R1 and R2	В	$13\mathrm{s}$	$5.33^{\circ}\mathrm{C}$	