

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 (-93.64734° , 42.02996° , 342 m). The night was mostly clear and the ambient temperature was around 12°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

ACKNOWLEDGMENTS

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Appendix A: Observation Log

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

Time	File	N	Frames	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	13s		5.33 °C	
21:41	M39_2_V_13s_dark_-	5		M39 Objects T1, T2, T3, and T4; stars R1 and R2	V	13s		5.33 °C	Dark frames
21:43	M39_2_B_13s_-	5		M39 Objects T1, T2, T3, and T4; stars R1 and R2	B	13s		5.33 °C	



Figure 1: Images showing the location of our target and reference stars using DSS and from Zaffarano Observing Deck

