

Atmospheric Properties with the LSST Auxiliary Telescope

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ABSTRACT

This is the abstract.

1. INTRODUCTION

- Discuss how atmosphere affects photometry
- Discuss needs to constrain atmospheric transmission temporal and spatial structure functions
- Discuss how these functions will dictate how the AuxTel will move in coordination with LSST.

2. LATISS INSTRUMENT DESCRIPTION

3. OUTLINE OF DATA ANALYSIS AND HOW ATMOSPHERE PARAMETERS ARE DESCRIBED

4. DESCRIPTION OF SURVEY COMPLETED TO MEASURE STRUCTURE FUNCTIONS

5. RESULTS

6. AUXTEL OBSERVING STRATEGY DURING THE SURVEY

Determination of AuxTel Observing Strategy with main telescope
Demonstrate the effects of having/not having the AuxTel running

APPENDIX

Initial paper list added here for reference.

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A. REFERENCES

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B. ACRONYMS

Acronym	Description
DAQ	Data Acquisition System
DM	Data Management
EPO	Education and Public Outreach
LATISS	LSST Atmospheric Transmission Imager and Slitless Spectrograph
LSST	Large Synoptic Survey Telescope