



Vera C. Rubin Observatory
Systems Engineering

Notes on Wavefront Estimation

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SITCOMTN-111

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Abstract

The Rubin Observatory active optics system (AOS) uses the wavefront estimation pipeline (WEP) to estimate the wavefront of the telescope from out-of-focus images of stars. This note describes the theory behind and derives the equations used by the WEP.

Change Record

Version	Date	Description	Owner name
1	YYYY-MM-DD	Unreleased.	John Franklin Crenshaw (he/him)

Document source location: <https://github.com/lstt-sitcom/sitcomtn-111>

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A References

B Acronyms

Acronym	Description
DM	Data Management