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Photometric and Astrometric Calibration of the Southern H-alpha Sky Survey Atlas

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Abstract. The Southern H-Alpha Sky Survey Atlas (SHASSA) is the primary data product of a robotic wide-angle imaging survey of the southern sky at 656.3 nm wavelength, the H-alpha emission line of hydrogen. The scientific motivation for the survey and its photometric and astrometric calibration were described in this ADASS presentation and in Gaustad et al. (2001). The latter's Section 5 describes a mosaicing process by which foreground emission is removed from hundreds of overlapping images. Some scientific uses of the SHASSA are listed in the references below. SHASSA's web site can be found by typing "SHASSA" into Google.

References

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