



# The Optical Gravitational Lensing Experiment. OGLE-III Photometric Maps of the Galactic Bulge Fields

M. K. Szymański (1), A. Udalski (1), I. Soszyński (1), M. Kubiak (1), G. Pietrzyński (1 and 2), R. Poleski (1), Ł. Wyrzykowski (3 and 1), K. Ulaczyk (1) ((1) Warsaw University Observatory, (2) Universidad de Concepción, Departamento de Astronomía, (3) Institute of Astronomy, University of Cambridge)

(Submitted on 20 Jul 2011)

We present OGLE-III Photometric Maps of the Galactic bulge fields observed during the third phase of the OGLE project. This paper describes the last, concluding set of maps based on OGLE-III data.

The maps contain precise, calibrated VI photometry of about 340 million stars from 267 fields in the Galactic bulge observed during entire OGLE-III phase (2002-2009), covering about 92 square degrees in the sky. Precise astrometry of these objects is also provided.

We briefly discuss the photometry procedures and the quality of the data. We also present sample data and color-magnitude diagrams of the observed fields.

All photometric data are available to the astronomical community from the OGLE Internet archive.

Comments: 15 pages, 12 figures  
Subjects: **Solar and Stellar Astrophysics (astro-ph.SR)**  
Journal reference: Acta Astronomica 2011, 61, 83  
Cite as: [arXiv:1107.4008v1](https://arxiv.org/abs/1107.4008v1) [astro-ph.SR]

## Submission history

From: Michal Szymanski [[view email](#)]  
[v1] Wed, 20 Jul 2011 15:45:27 GMT (2062kb)

*Which authors of this paper are endorsers?*

## Download:

- [PDF](#)
- [PostScript](#)
- [Other formats](#)

## Current browse context:

astro-ph.SR

[< prev](#) | [next >](#)

[new](#) | [recent](#) | [1107](#)

## Change to browse by:

[astro-ph](#)

## References & Citations

- [INSPIRE HEP](#)  
([refers to](#) | [cited by](#))
- [NASA ADS](#)

## Bookmark([what is this?](#))

