

## Mercury-Map created by Amateur Images

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### Abstract

During the last years Mercury was several times the target of CCD – Observations by european Amateurs.

The individual image-processing of the captured images made it difficult to compare the results. One solution of this problem is the combination with drawings. Different images with similar ZM [1], [2], [3] were collected. Similar structures on this images became part of the drawings [4]. Each single drawing has only 4 grey colors. Dark, medium, bright and very bright. The different drawings were combined with an average-filter to increase the greyscale and to rise the significance of single structures.

The filtered drawings were used to complete a mercury map by Jupos [5], which is compared with actual pictures from the Messenger probe.

### References

- [1] L. Kusanfornality et al. New Images of Mercury's surface from 210 to 290 W-Long, Icarus 188/2007, p. 271ff
- [2] R. F. Dantowitz et al. Ground-based High Resolution Imaging of mercury, Astron. Journal 119/ p. 2455ff
- [3] J. Warrel, <http://www.astro.uu.se/~johwar>
- [4] <http://www.astrote.de/merkur08b.htm>
- [5] <http://jupos.privat.t-online.de/>

