A New Analysis of the Dark current behaviour of the ISOPHOT detectors

C. del Burgo[1], P. Ábrahám[1,2], U. Klaas[1]

[1] *Max-Planck-Institut für Astronomie, Königstuhl 17, D-69117 Heidelberg, Germany*
[2] *Konkoly Observatory, P.O.Box 67, H-1525 Budapest, Hungary*

We performed a new determination of the dark current for detectors P1, P2, P3, C100 and C200 from all suitable ISO mission data. For most of detectors we found that the dark current signals are almost constant, with a slight variation during the orbit. The previously noted variation with orbital phase at the beginning and at the end is not confirmed although we find a larger scatter in the dark current values at orbital positions close to 0.85. The result allow us to perform a more accurate determination of the photometric zero point of the ISOPHOT detectors.