The Bochum Survey of the Southern Galactic Disk: DR III

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All reduced data (images, photometry, light curves) are available via the German Astrophysical Virtual Observatory (GAVO)

1. Survey

268 fields along a 6°-wide stripe

Sept. 2010 to Sept. 2019

r' and i' light curves $50 < N < 400$

$U\ B\ V\ z'$ for many fields

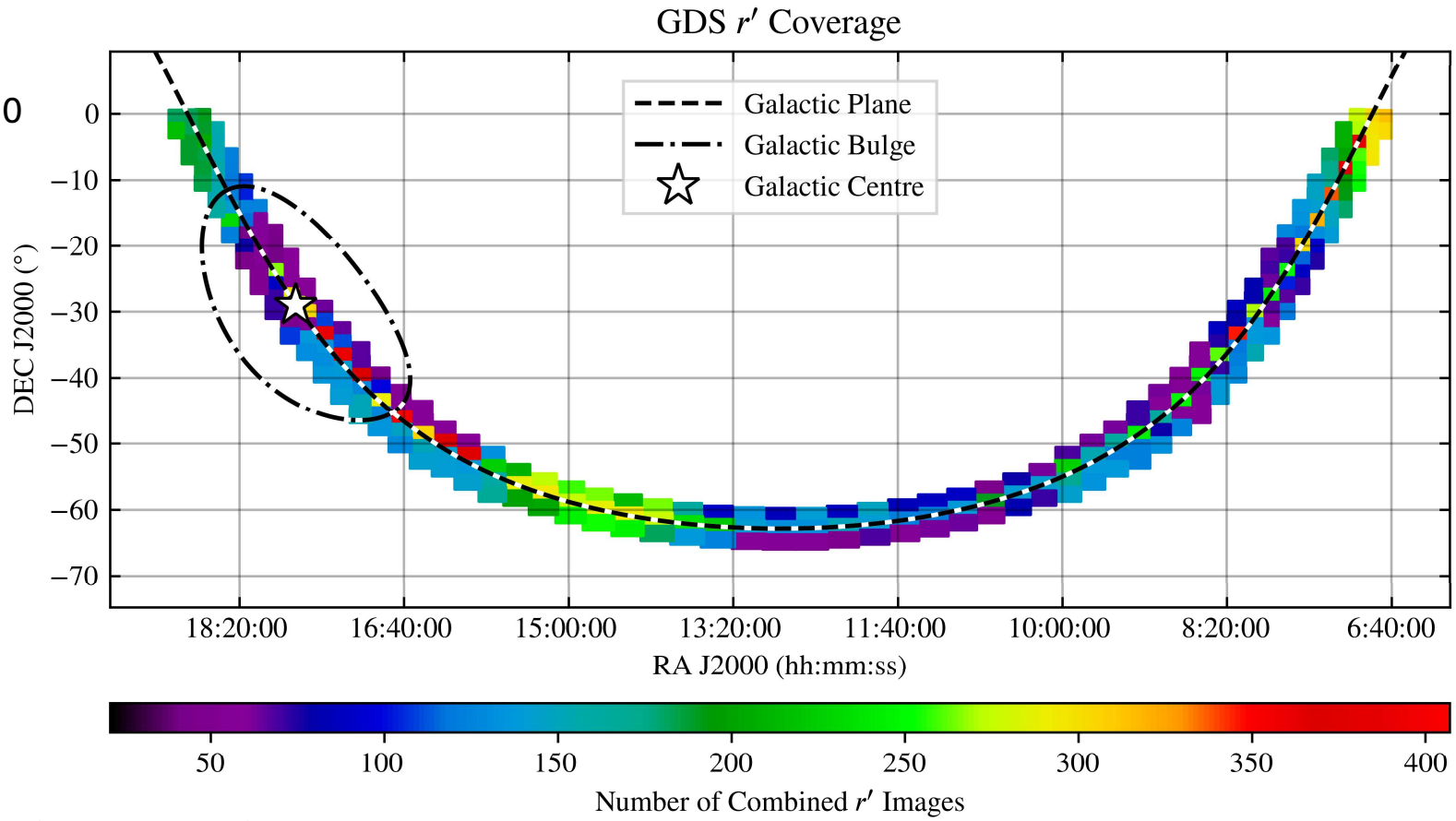
Light curves $N < 20$

21.7 Mill. stars, verified by Gaia

In total 113 449 variables

77 592 variables are **NEW**

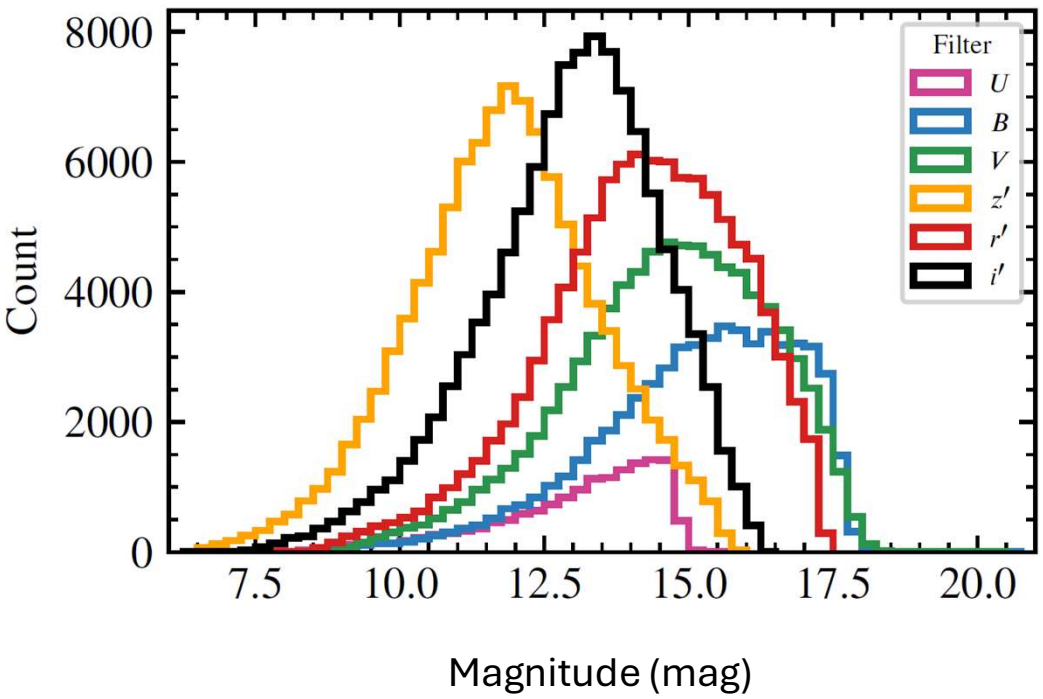
Simultaneous observations in r' and i'

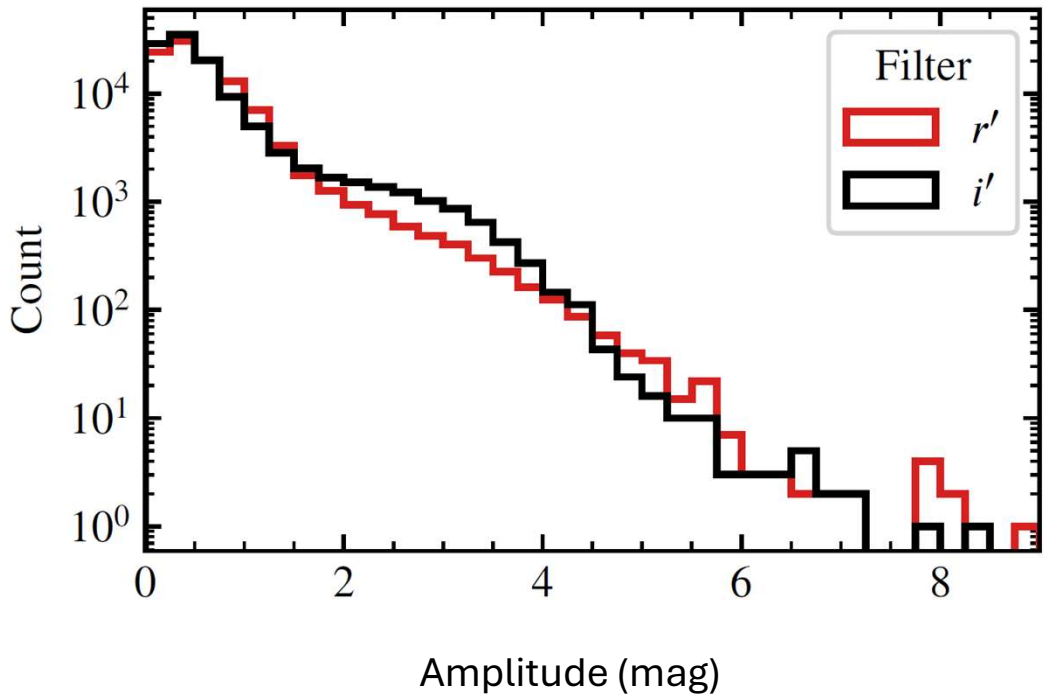


NOT in the International Variable Star Index (VSX)

NOT in the Gaia cross-match catalogue by Gavras + 2023

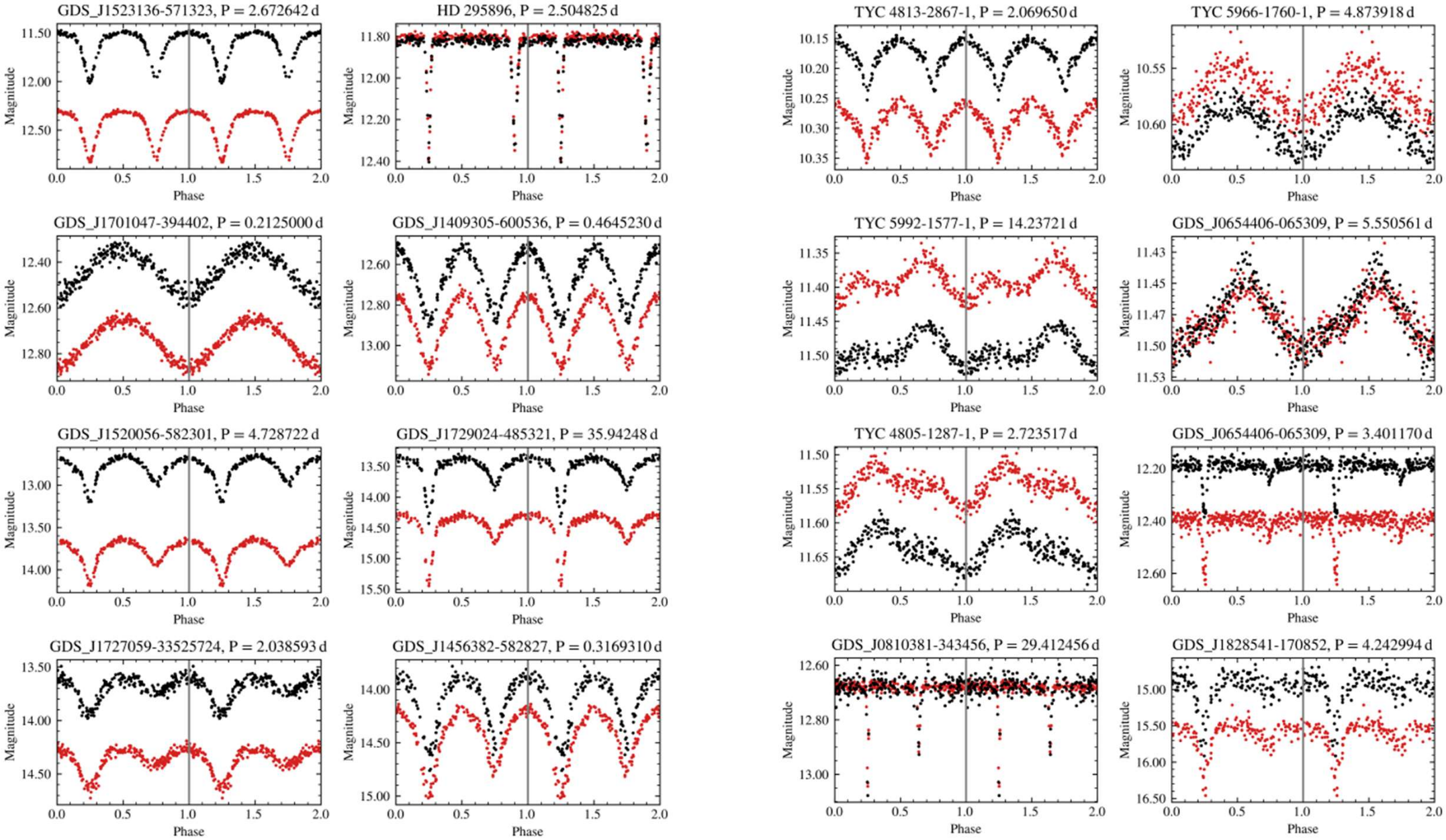
2. Photometry





Among the variable sources, photometry in is available for

U	B	V	r'	i'	z'
13.3 %	51.0 %	74.9 %	93.0 %	99.1 %	94.5 %


GDS_J1523136-571323, P = 2.672642 d
HD 295896, P = 2.504825 d
TYC 4813-2867-1, P = 2.069650 d
TYC 5966-1760-1, P = 4.873918 d
GDS_J1701047-394402, P = 0.2125000 d
GDS_J1409305-600536, P = 0.4645230 d
TYC 5992-1577-1, P = 14.23721 d
GDS_J0654406-065309, P = 5.550561 d
GDS_J1520056-582301, P = 4.728722 d
GDS_J1729024-485321, P = 35.94248 d
TYC 4805-1287-1, P = 2.723517 d
GDS_J0654406-065309, P = 3.401170 d
GDS_J1727059-33525724, P = 2.038593 d
GDS_J1456382-582827, P = 0.3169310 d
GDS_J0810381-343456, P = 29.412456 d
GDS_J1828541-170852, P = 4.242994 d
Magnitude
Phase