Microlensing Search for Exoplanets

Advice to imagers
Frequency of observations; every 2 -3 hours would be ideal

To obtain the best approximation to Gaia magnitudes;
1) Use a Sloan r’ filter
or
2) Use a Cousins R filter but ensure target is above 20 degrees altitude
or
3) If imaging unfiltered ensure target is above 45 degrees altitude
and
4) Use Gaia DR2 data for obtaining magnitudes of comparison stars -
   https://www.cosmos.esa.int/web/gaia/data-release-2

If using Astrometrica select;
1) Filter r’, R (Cousins) or Clear/None depending on filter used
2) Color Band G
3) Star Catalog Gaia DR2

Current alerts
There are currently no Northern Hemisphere targets

Gaia21feu
Region; Southern Hemisphere
RA 13:25:49.0 Dec -65:19:31
Quiescent (Gaia) magnitude; 18.0
Gaia alerts link (includes data and finder chart)
   http://gsaweb.ast.cam.ac.uk/alerts/alert/Gaia21feu/

Gaia21fkl
Region; Southern Hemisphere
RA 07:46:28.4 Dec -21:52:32
Quiescent (Gaia) magnitude; 15.8
Gaia alerts link (includes data and finder chart)
   http://gsaweb.ast.cam.ac.uk/alerts/alert/Gaia21fkl/

Please send observations to Roger Dymock. Data required;

Observing site
Observer, name
Photometric software
Photometric Catalogue used
Catalogue magnitude band
Date and time (JD) e.g., 59403.391447
Target e.g., Gaia21bfr
Filter used
Magnitude
Error
Data from BHTOM and Gaia Photometric Alerts websites

Alerts can also be viewed at https://britastro.org/node/25935