

## Microlensing Search for Exoplanets

### Advice to imagers

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

### New alerts

**Note; Gaia21efs is a priority target which we have been specifically requested to observe**

#### Gaia21efs

Region; Northern hemisphere

RA 20:29:41.9 Dec +31:17:43

Quiescent (Gaia) magnitude; 15.8

Time between observations; 1.0 day

Gaia alerts link (includes data and finder chart)

<http://gsaweb.ast.cam.ac.uk/alerts/alert/Gaia21efs/>

#### Gaia21ctx

Region; Southern hemisphere

RA 12:11:52.2, Dec -62:23:27

Quiescent (Gaia) magnitude; 17.8

Time between observations; 1.0 day

Gaia alerts link (includes data and finder chart)

<http://gsaweb.ast.cam.ac.uk/alerts/alert/Gaia21ctx/>

#### Gaia21ecy

Region; Northern hemisphere

RA 19:01:22.5, Dec +11:52:03

Quiescent (Gaia) magnitude; 14.7

Time between observations; 1.0 day

Gaia alerts link (includes data and finder chart)

<http://gsaweb.ast.cam.ac.uk/alerts/alert/Gaia21ecy/>

**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 be viewed at <https://britastro.org/node/25935>