

Microensing Search for Exoplanets

Alerts will be issued fortnightly in future as new targets are not frequent enough to require weekly issues.

New 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

There are no new alerts this week

Previously notified alerts for which observations are still required

Gaia20dup

Region; Southern Hemisphere

RA 18 05 55.1, Dec -30 20 13

Last Gaia magnitude; 16.41

Time between observations; 1.0 day

Gaia alerts link (includes data and finder chart)

<http://gsaweb.ast.cam.ac.uk/alerts/alert/Gaia20dup/>

Gaia21bfr

Region; Northern hemisphere, Southern hemisphere

RA 18:46:08.3, Dec -10:12:26

Last Gaia magnitude; 15.14

Time between observations; 1.0 day

Gaia alerts link (includes data and finder chart);

<http://gsaweb.ast.cam.ac.uk/alerts/alert/Gaia21bfr/>

Gaia21btu

Region; Southern hemisphere

RA 18 12 10.8 Dec -21 18 13

Last Gaia magnitude; 17.51

Time between observations; 3.0 days

Gaia alerts link (includes data and finder chart)

<http://gsaweb.ast.cam.ac.uk/alerts/alert/Gaia21btu/>

Gaia21bvg

Region; Southern hemisphere

RA 18 31 24.1 Dec -34 12 05

Last Gaia magnitude; 15.47

Time between observations; 1.0 day

Gaia alerts link (includes data and finder chart)

<http://gsaweb.ast.cam.ac.uk/alerts/alert/Gaia21bvg/>

Gaia21cki

Region; Northern hemisphere, Southern hemisphere

RA 19 15 51.7, Dec -07 12 42

Last Gaia magnitude; 17.02

Time between observations; 2.0 days

Gaia alerts link (includes data and finder chart)

<http://gsaweb.ast.cam.ac.uk/alerts/alert/Gaia21cki/>

Gaia21ckj

Region; Northern hemisphere, Southern Hemisphere

RA 18 53 23.0, Dec; -01 14 06

Last Gaia magnitude; 17.37

Time between observations; 1.0 day

Gaia alerts link (includes data and finder chart);

<http://gsaweb.ast.cam.ac.uk/alerts/alert/Gaia21ckj/>

Gaia20dwf

Please note that this was previously incorrectly designated Gaia21dwf although the link below was correct

Region; Southern hemisphere

RA 18:26:29.4, Dec -20:04:52

Last Gaia magnitude; 16.00

Time between observations; 1.0 day

Gaia alerts link (includes data and finder chart);

<http://gsaweb.ast.cam.ac.uk/alerts/alert/Gaia20dwf/>

Observations are no longer required for;

Gaia21auw

Gaia21azb

Gaia21bzt

Gaia20dft

Please send observations to Roger Dymock. Data required;

Observing site

Observer, name

Photometric software

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>