

## Microensing 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

#### Gaia21dnc

Region; Northern hemisphere, Southern hemisphere

RA 21 38 10.8, Dec +26 27 60

Lat Gaia magnitude; 14.85

Time between observations; 1.0 day

Gaia alerts link (includes data and finder chart)

<http://gsaweb.ast.cam.ac.uk/alerts/alert/Gaia21dnc/>

### Previously notified alerts for which observations are still required

#### Gaia20dup

Region; Southern Hemisphere

RA 18 05 55.1, Dec -30 20 13

Lat 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/>

#### 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**

**Gaia21bfr**

**Gaia21bzs**

**Gaia20dft**

**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>