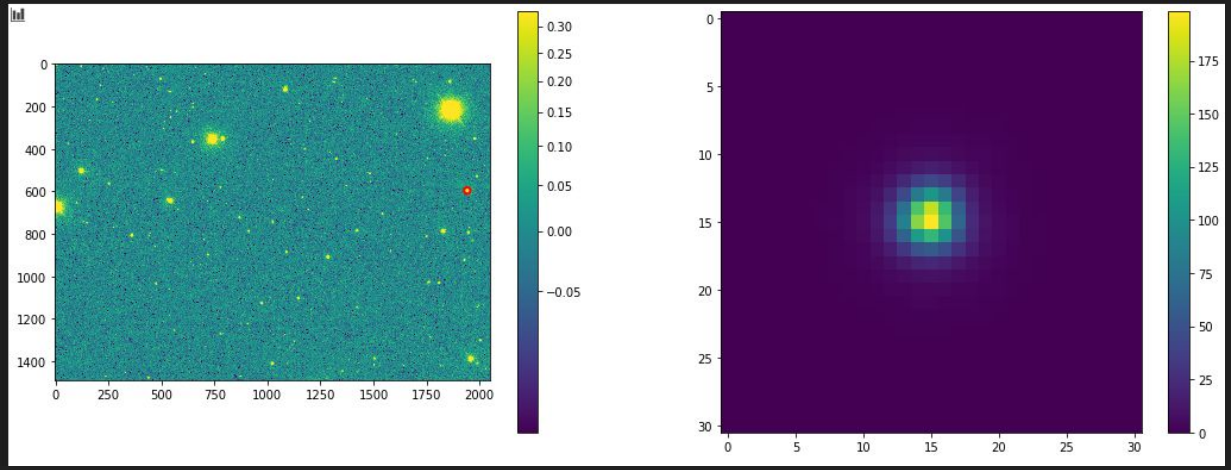
```
RA = 178.88803
Dec = 60.48700
theta = 4*u.arcsec
name = 'SN2003cq_host_nearby_test2'

files,magdata = spt.do_photometry_radec(RA,Dec,theta=theta,name=name,show_plots=True,verbal=True)
```

```
* querying data...Done
* downloading image files...Done
* decompressing image files...Done
* performing photometry...Done
              u        g        r        i        z
asinh   18.7853  16.3245  15.2984  13.6743  13.022
pogson  18.7853  16.3245  15.2984  13.6743  13.022
```



Selected object

ra	178.88803
dec	60.48700
type	STAR
u	18.80
g	16.35
r	15.04
i	13.69
z	13.07

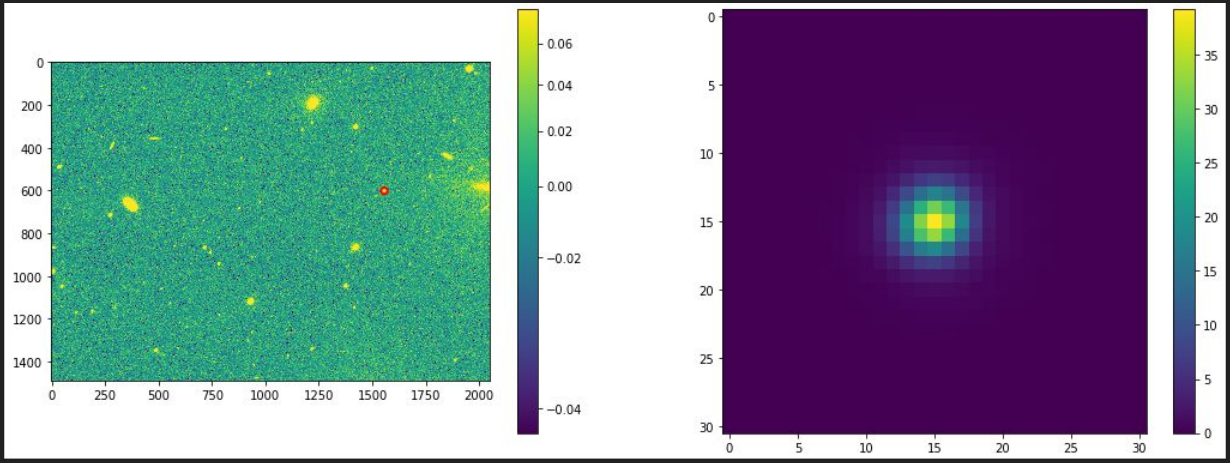
* R-band image probably has a dead pixel near the center of the star. PSF fitting will yield smaller mag compared to flux-counting photometry.

```
RA = 179.19782
Dec = 60.45878
theta = 4*u.arcsec
name = 'SN2003cq_host_nearby_test3'

files,magdata = spt.do_photometry_radec(RA,Dec,theta=theta,name=name,show_plots=True,verbal=True)
```

```
* querying data...Done
* downloading image files...Done
* decompressing image files...Done
* performing photometry...Done
```

	u	g	r	i	z
asinh	16.7053	15.2927	15.0235	14.6684	14.63
pogson	16.7053	15.2927	15.0235	14.6684	14.63



Selected object

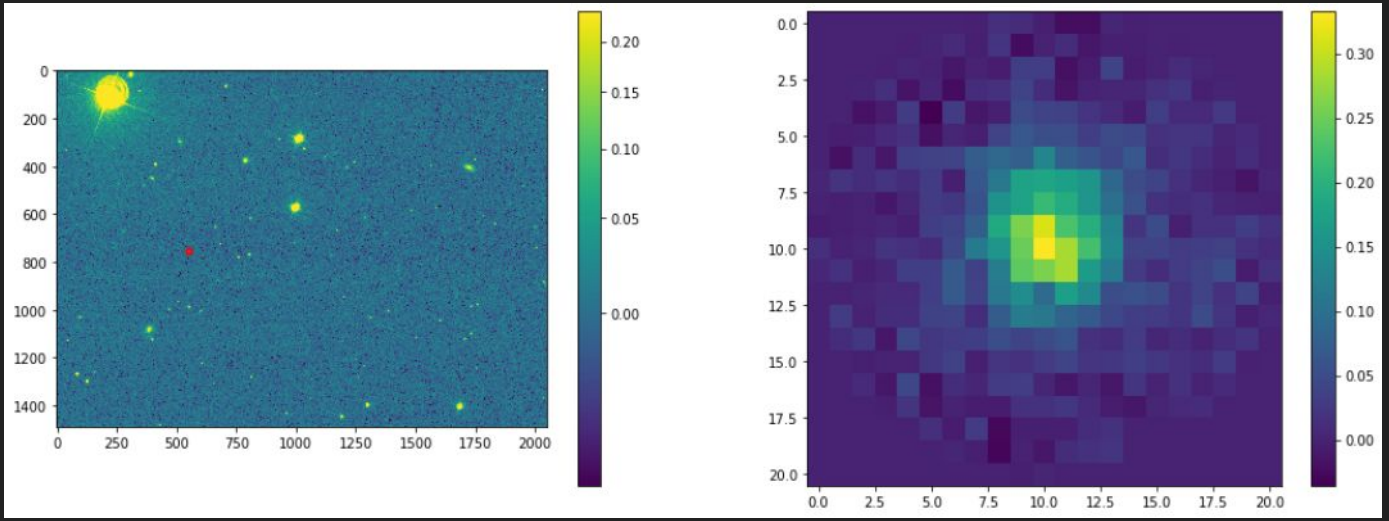
ra	179.19782
dec	60.45878
type	STAR
u	16.70
g	15.33
r	14.94
i	14.71
z	14.65

```
RA = 179.32061
Dec = 60.56508
theta = 4*u.arcsec
name = 'SN2003cq_host_nearby_test3'

files,magdata = spt.do_photometry_radec(RA,Dec,theta=theta,name=name,show_plots=True,verbal=True)
```

```
* querying data...Done
* downloading image files...Done
* decompressing image files...Done
* performing photometry...Done
```

	u	g	r	i	z
asinh	20.8591	19.8296	19.0317	18.6611	18.4489
pogson	20.8602	19.8296	19.0317	18.6612	18.4493



Selected object

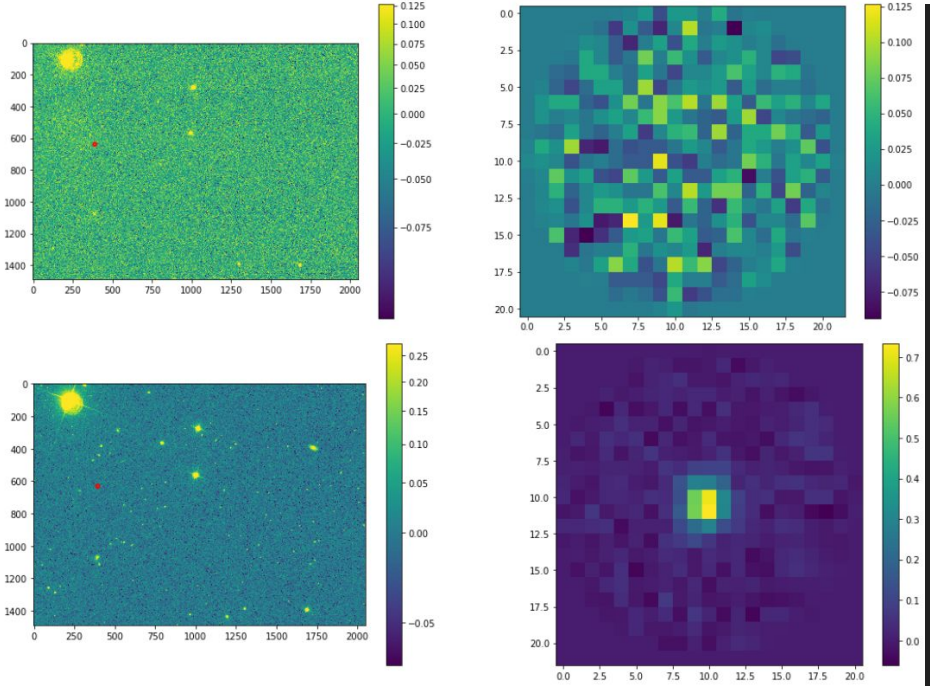
ra	179.32061
dec	60.56508
type	GALAXY
u	20.94
g	19.85
r	19.15
i	18.77
z	18.55

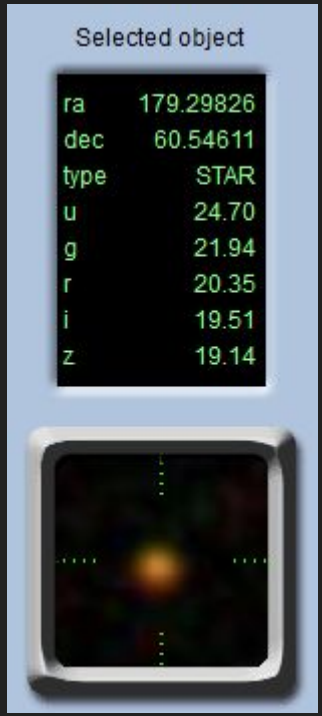
```
RA = 179.29826
Dec = 60.54611
theta = 4*u.arcsec
name = 'SN2003cq_host_nearby_test5'

files,magdata = spt.do_photometry_radec(RA,Dec,theta=theta,name=name,show_plots=True,verbal=True)
```

```
* querying data...Done
* downloading image files...Done
* decompressing image files...Done
* performing photometry...Done
```

	u	g	r	i	z
asinh	21.4426	21.4877	20.1008	19.5243	19.115
pogson	21.4456	21.489	20.101	19.5245	19.1162





This is an example aperture photometry with flux-adding method does not work with low SNR point source.

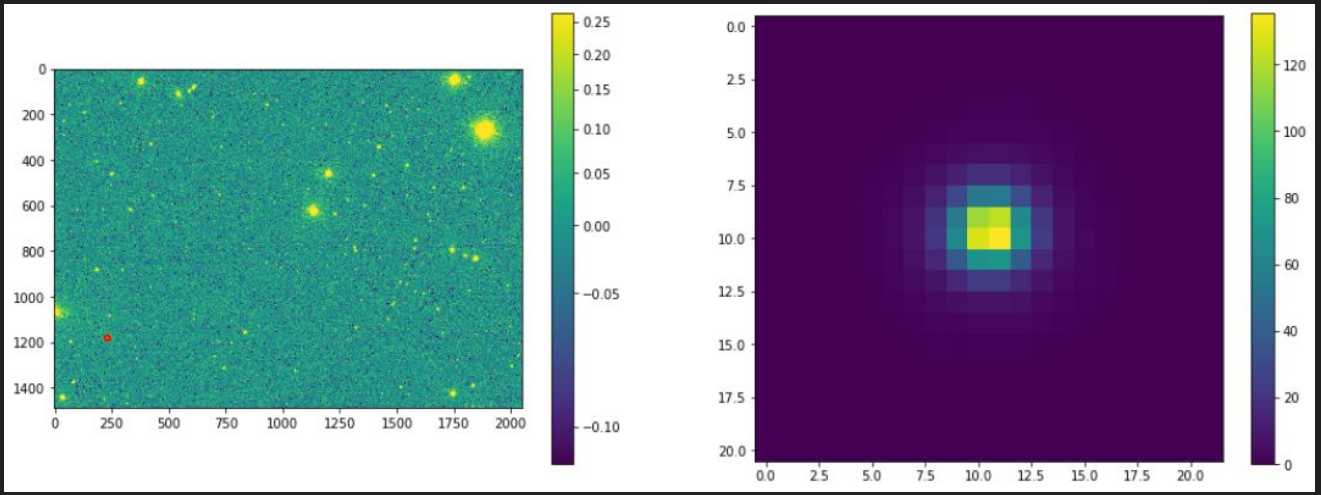
U-band signal (left, mid) is very small with ~1 SNR unlike g-band signal (left, bottom).

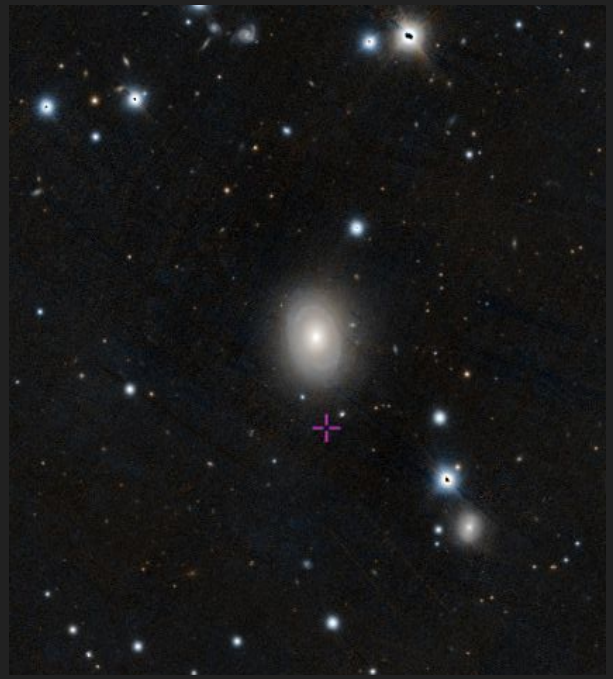
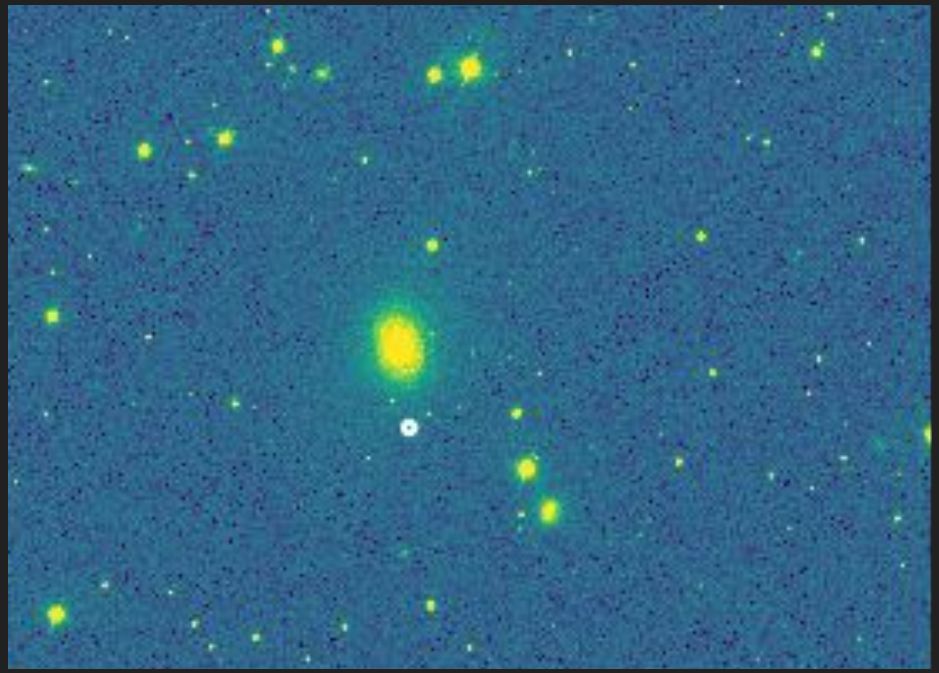
This behavior is expected.

```
RA = 178.82571
Dec = 60.50539
theta = 4*u.arcsec
name = 'SN2003cq_host_nearby_test6'

files,magdata = spt.do_photometry_radec(RA,Dec,theta=theta,name=name,show_plots=True,verbal=True)
```

```
* querying data...Done
* downloading image files...Done
* decompressing image files...Done
* performing photometry...Done
              u        g        r        i        z
asinh   16.6499  15.1123  14.8521  14.3947  14.3258
pogson  16.6499  15.1123  14.8521  14.3947  14.3258
```



Selected object

ra	178.82571
dec	60.50539
type	STAR
u	16.67
g	15.10
r	14.89
i	14.45
z	14.34