GRANGE OBS. OPERATIONS

- Photometers status

A major change in the photometer at the 0.3-m f/3.3 telescope was the addition of an extra filter wheel for increasing the available photometric channels for the QHY6 science camera.
The photometer at the 0.14-m f/3.6 telescope also had an update, a CYAN broad-band filter was mounted which should approach the photometric Gaia DR2 BP channel with the SXL8-P science camera.
All the photometers at Grange Obs. are working nominally.

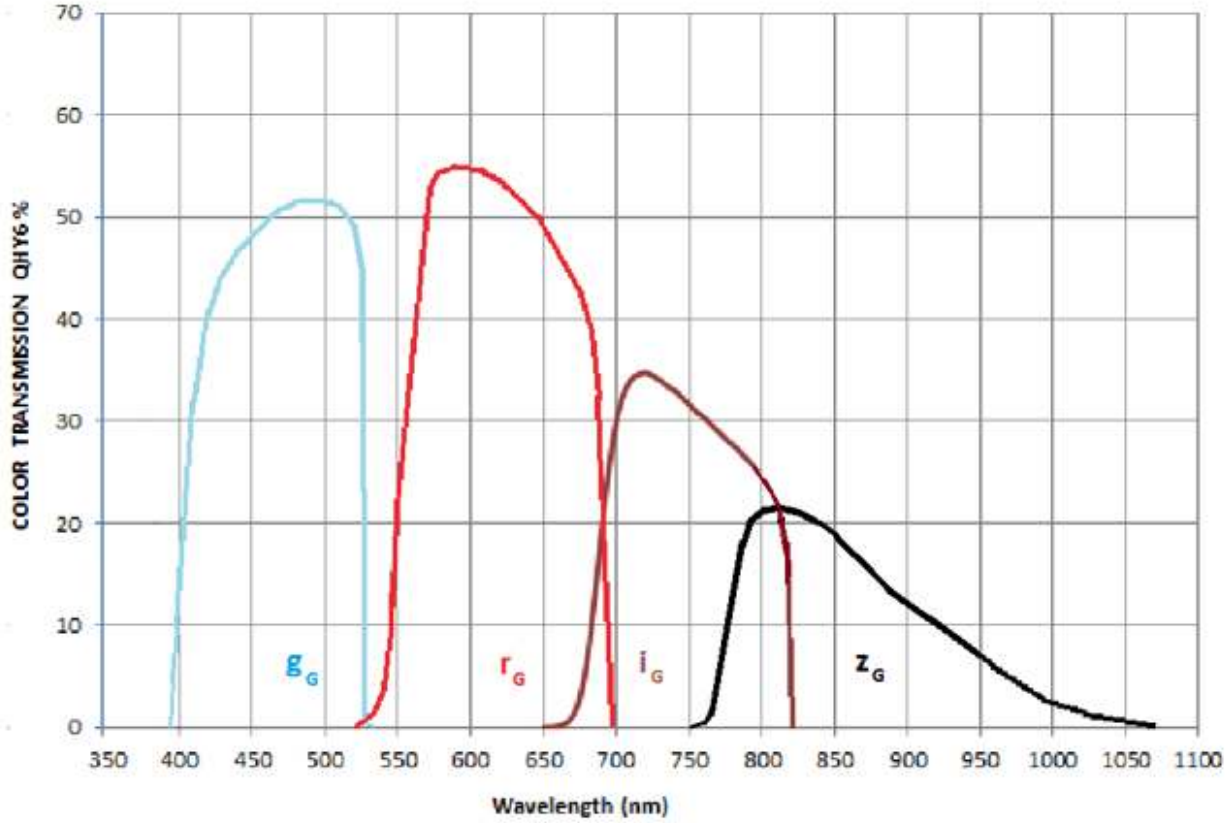
- Instruments status

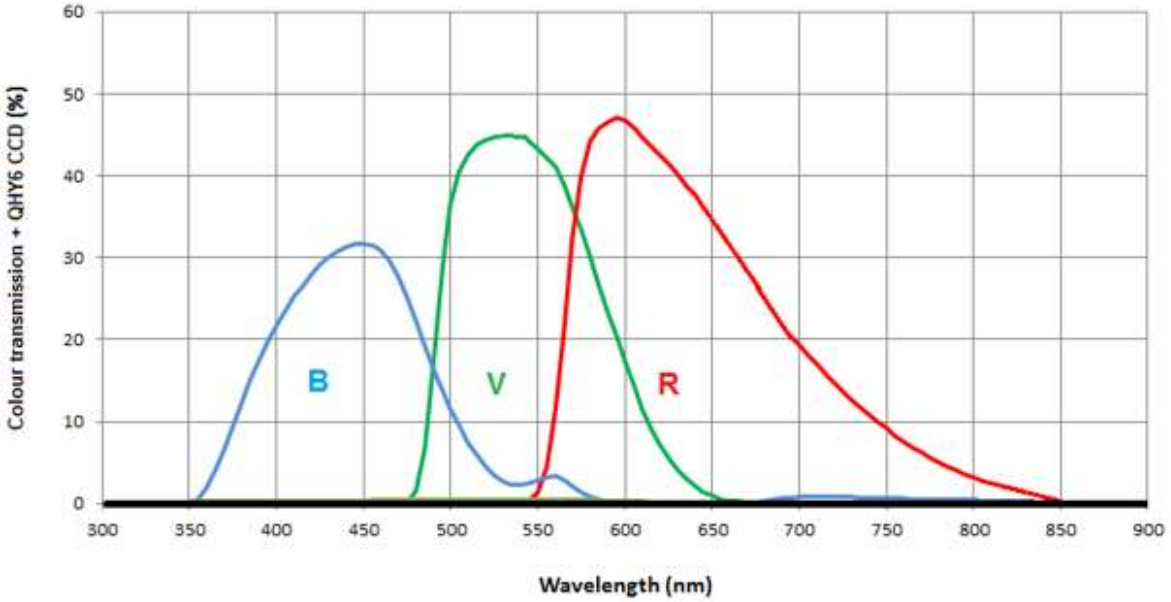
External wheel	Internal wheel	Channel for QHY6
1	5	Johnson B
2	5	Johnson V
3	5	Johnson R
4	5	Gaia G
4	1	Sloan g
4	2	Sloan r
4	3	Sloan i
4	4	Sloan z
5	5	H alpha (35 nm wide)

The photometric channels available at the 0.3-m f/3.3 telescope by the use of two filter wheels (5-positions each) mounted in cascade.

- Filter transmissions

The photometer at the 0.3-m telescope has filters with a transmission that was calculated taking into account the QHY6 CCD QE at a given wavelength; the percentage values are as follows, for Sloan and Johnson channels:


COLOR TRANSMISSION QHY6 %
70
60
50
40
30
20
10
0
350
400
450
500
550
600
650
700
750
800
850
900
950
1000
1050
1100
Wavelength (nm)
g_G
r_G
i_G
z_G


Colour transmission + QHY6 CCD (%)
60
50
40
30
20
10
0
300
350
400
450
500
550
600
650
700
750
800
850
900
Wavelength (nm)
B
V
R