CFH12K magnitudes for extended sources

Magnitudes assume and aperture of one square arcsecond.

SNR (Signal to noise ratio) is defined over an aperture of 1 square arcsecond.
Etime (Total accumulated exposure time) is given in seconds.
Seeing values are in arcseconds.

Magnitudes reached at various SNR for extended sources with dark sky

	B				V				R				I			
	SNR				SNR				SNR				SNR			
Etime	3	7	15	25	3	7	15	25	3	7	15	25	3	7	15	25
10	23.9	22.9	21.9	21.1	23.8	22.8	21.9	21.2	23.5	22.6	21.7	21.0	22.9	21.9	21.0	20.4
60	25.2	24.2	23.3	22.6	24.9	24.0	23.1	22.5	24.6	23.7	22.8	22.2	23.9	23.0	22.1	21.5
300	26.1	25.2	24.3	23.7	25.8	24.9	24.0	23.4	25.5	24.6	23.7	23.2	24.8	23.8	23.0	22.4
600	26.5	25.6	24.7	24.1	26.2	25.3	24.4	23.8	25.9	25.0	24.1	23.6	25.2	24.2	23.4	22.8
900	26.7	25.8	25.0	24.4	26.4	25.5	24.7	24.1	26.1	25.2	24.4	23.8	25.4	24.4	23.6	23.1
1800	27.1	26.2	25.3	24.8	26.8	25.9	25.0	24.5	26.5	25.6	24.7	24.2	25.7	24.8	24.0	23.4
3600	27.5	26.6	25.7	25.2	27.2	26.3	25.4	24.9	26.9	25.9	25.1	24.6	26.1	25.2	24.4	23.8
7200	27.9	27.0	26.1	25.6	27.6	26.6	25.8	25.2	27.2	26.3	25.5	24.9	26.5	25.6	24.8	24.2
14400	28.3	27.3	26.5	25.9	27.9	27.0	26.2	25.6	27.6	26.7	25.9	25.3	26.9	26.0	25.1	24.6

Magnitudes reached at various SNR for extended sources: moon and airmass dependency for 600s exposure

	B				V				R				I			
	SNR				SNR				SNR				SNR			
Sky	3	7	15	25	3	7	15	25	3	7	15	25	3	7	15	25
D/1.0	26.5	25.6	24.7	24.1	26.2	25.3	24.4	23.8	25.9	25.0	24.1	23.6	25.2	24.2	23.4	22.8
D/1.5	26.4	25.4	24.6	24.0	26.0	25.0	24.2	23.6	25.7	24.8	24.0	23.4	25.0	24.1	23.3	22.7
M/1.0	25.9	25.0	24.1	23.6	25.8	24.9	24.0	23.5	25.7	24.8	24.0	23.4	25.1	24.2	23.3	22.8
M/1.5	25.8	24.9	24.0	23.5	25.7	24.7	23.9	23.3	25.6	24.7	23.8	23.3	25.0	24.1	23.2	22.7

D/1.0 Dark sky, Airmass=1.0
D/1.5 Dark sky, Airmass=1.5
M/1.0 Moon up, 50% illuminated, more than 45 degrees from object, Airmass=1.0.
M/1.5 Moon up, 50% illuminated, more than 45 degrees from object, Airmass=1.5.