CFH12K saturation magnitudes

All magnitudes for stars and galaxies are taken within an aperture diameter of 3.09 arcseconds (15 pixels).
Galaxy values apply to seeing-dominated profiles (i.e. distant, compact sources).
Extended source values apply to relatively flat sources (even surface brightness).

SNR (Signal to noise ratio) values are defined over an aperture diameter of 1.45 × seeing for point source, 1.67 × seeing for galaxies. Extended source SNR is defined over an area of 1 square arcsecond.
Stars and galaxies are fitted with a Moffat profile: $\beta = 1.6$ for galaxies, $\beta = 3.5$ for stars.

Saturation magnitudes in various bands for point sources

	B				V				R				I			
	Seeing				Seeing				Seeing				Seeing			
Etime	0.6″	0.8″	1.0″	1.2″	0.6″	0.8″	1.0″	1.2″	0.6″	0.8″	1.0″	1.2″	0.6″	0.8″	1.0″	1.2″
5	13.5	12.9	12.4	12.0	13.8	13.2	12.7	12.3	13.8	13.2	12.7	12.3	13.5	12.9	12.4	12.0
10	14.2	13.6	13.1	12.7	14.5	13.9	13.4	13.0	14.5	13.9	13.4	13.0	14.3	13.6	13.2	12.8
20	15.0	14.4	13.9	13.5	15.3	14.7	14.2	13.8	15.3	14.7	14.2	13.8	15.0	14.4	13.9	13.5
30	15.4	14.8	14.3	13.9	15.7	15.1	14.6	14.2	15.7	15.1	14.6	14.2	15.5	14.8	14.4	14.0
60	16.2	15.6	15.1	14.7	16.5	15.9	15.4	15.0	16.5	15.9	15.4	15.0	16.2	15.6	15.1	14.7
300	17.9	17.3	16.8	16.4	18.3	17.6	17.2	16.8	18.3	17.7	17.2	16.8	18.1	17.5	17.0	16.6
600	18.7	18.1	17.6	17.2	19.1	18.4	18.0	17.6	19.1	18.5	18.0	17.6	19.0	18.4	17.9	17.5
900	19.1	18.5	18.0	17.6	19.5	18.9	18.4	18.0	19.6	19.0	18.5	18.1	19.7	19.0	18.6	18.2
1200	19.5	18.8	18.4	18.0	19.9	19.3	18.8	18.4	20.0	19.4	18.9	18.5	20.2	19.6	19.1	18.7

Saturation magnitudes in various bands for galaxies

	B				V				R				I			
	Seeing				Seeing				Seeing				Seeing			
Etime	0.6″	0.8″	1.0″	1.2″	0.6″	0.8″	1.0″	1.2″	0.6″	0.8″	1.0″	1.2″	0.6″	0.8″	1.0″	1.2″
5	13.3	12.7	12.2	11.8	13.6	13.0	12.5	12.1	13.6	13.0	12.5	12.1	13.3	12.7	12.2	11.8
10	14.0	13.4	12.9	12.5	14.4	13.7	13.2	12.9	14.4	13.7	13.3	12.9	14.1	13.5	13.0	12.6
20	14.8	14.2	13.7	13.3	15.1	14.5	14.0	13.6	15.1	14.5	14.0	13.6	14.8	14.2	13.7	13.3
30	15.2	14.6	14.1	13.7	15.6	14.9	14.4	14.0	15.6	14.9	14.5	14.1	15.3	14.7	14.2	13.8
60	16.0	15.4	14.9	14.5	16.3	15.7	15.2	14.8	16.3	15.7	15.2	14.8	16.1	15.4	14.9	14.5
300	17.8	17.1	16.6	16.2	18.1	17.5	17.0	16.6	18.1	17.5	17.0	16.6	17.9	17.3	16.8	16.4
600	18.5	17.9	17.4	17.0	18.9	18.3	17.8	17.4	18.9	18.3	17.8	17.4	18.8	18.2	17.7	17.3
900	19.0	18.3	17.9	17.5	19.4	18.7	18.3	17.9	19.5	18.8	18.4	18.0	19.5	18.9	18.4	18.0
1200	19.3	18.7	18.2	17.8	19.7	19.1	18.6	18.2	19.9	19.2	18.8	18.4	20.1	19.4	18.9	18.5

Saturation magnitudes in various bands for extended sources

Etime	B	V	R	I
5	12.7	13.0	13.0	13.0
10	13.4	13.7	13.8	13.8
20	14.2	14.5	14.5	14.5
30	14.6	14.9	15.0	15.0
60	15.4	15.7	15.7	15.7
300	17.1	17.5	17.5	17.5
600	17.9	18.3	18.3	18.3
900	18.4	18.8	18.9	18.9
1200	18.7	19.1	19.2	19.2