

Plate Scale Calculator

	Inputs	Results	Notes	
Telescope Focal Length	2000		telescope focal length in millimeters	
Sensor Pixel Pitch	2.315		sensor pixel pitch in microns	
Reducer	1.0		a number such as 0.8 or 0.75	
Binning	1x1	0.239	plate scale, in arcseconds per pixel	
	2x2	0.478	arcseconds per pixel	23.4 MB per FITS file
	3x3	0.716	arcseconds per pixel	
	4x4	0.955	arcseconds per pixel	5.85 MB per FITS file
Sensor Width	8288		number of pixels in sensor row	
Sensor Height	5644		number of sensor columns	
Full Image Width		33.0	full width in arcminutes	
Full Image Height		22.5	full height in arcminutes	
"Half" Subframed Image Width		16.5	half width in arcminutes	
"Half" Subframed Image Height		11.2	half height in arcminutes	