

## Plate Scale Calculator

	Inputs	Results	Notes	
<b>Telescope Focal Length</b>	2000		telescope focal length in millimeters	
<b>Sensor Pixel Pitch</b>	2.315		sensor pixel pitch in microns	
<b>Reducer</b>	1.0		a number such as 0.8 or 0.75	
<b>Binning</b>	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
<b>Sensor Width</b>	8288		number of pixels in sensor row	
<b>Sensor Height</b>	5644		number of sensor columns	
<b>Full Image Width</b>		33.0	full width in arcseconds	
<b>Full Image Height</b>		22.5	full height in arcseconds	
<b>"Half" Subframed Image Width</b>		16.5	half width in arcseconds	
<b>"Half" Subframed Image Height</b>		11.2	half height in arcseconds	