

RASA Plate Scale Calculator with ZWO ASI 294MM Pro

	Inputs	Results	Notes	
Telescope Focal Length	400		telescope focal length in millimeters	
Sensor Pixel Pitch	2.328		sensor pixel pitch in microns	fudged to agree with ImageLink
Reducer	1.0		a number such as 0.8 or 0.75	
Binning	1x1	1.200	plate scale, in arcseconds per pixel	
	2x2	2.401	arcseconds per pixel	23.4 MB per FITS file
Sensor Width	8288		number of pixels in sensor row	
Sensor Height	5644		number of sensor columns	
Full Image Width		165.8	full width in arcminutes	almost 3°
Full Image Height		112.9	full height in arcminutes	almost 2°
Half Subframed Image Width		82.9	half width in arcminutes	
Half Subframed Image Height		56.5	half height in arcminutes	
Quarter Subframed Image Width		41.5	quarter width in arcminutes	
Quarter Subframed Image Height		28.2	quarter width in arcminutes	
Eighth Subframed Image Width		20.7	eighth width in arcminutes	
Eighth Subframed Image Width		14.1	eighth width in arcminutes	