

Telescope Worksheet – CCD Specifications

Telescope	F ratio	Diameter	Focal length	Plate Scale		
	f / d	cm	cm	cm / deg	arcmin / cm	deg / inch
Meade 12" LX200	10.0	30.5	304.8	5.32	11.3	0.48
Meade 10" LX200	9.8	25.4	250.0	4.36	13.8	0.58
Meade ETX-125EC	15.0	12.7	190.0	3.32	18.1	0.77

Camera	Axis	CCD			Telescope	Final Image	
		Dimensions		Pixel Size	Plate Scale	Dimensions	Resolution
		cm	Pixels	µm	cm / deg	Arc min	arcsec / pixel
SBIG ST-9E (imaging CCD)	X	1.02	512	20	5.32	11.51	1.35
	Y	1.02	512	20	5.32	11.51	1.35
SBIG ST-9E (autoguider CCD)	X	0.26	192	14	5.32	2.93	0.92
	Y	0.26	164	16	5.32	2.93	1.07