

Shoot for the stars workshop

Milkyway challenges:

- How to find Location of milkyway – For computer and Tablets - Skysafari, Stellarium, Sky guide

Light pollution:

- Sun: two hours after sunset and before sunrise for brightest Milkyway
- Moonset and rise: www.timeanddate.com, www.cleardarksky.com
- City light pollution maps : www.nightpollutionmap.net, www.darksitefinder.com
- Clouds: www.cleardarksky.com, skippysky.com.au, Various phone apps

Necessary Equipment:

- Camera that can shoot in manual
- Wide angle lens
- Tripod
- Remote release or intervalometer

Camera settings:

- Widest aperture 11mm to 35mm - f/2.8 if possible
- Max 30 second shutter speed - see chart below, ISO 6400
- White Balance – 3800K to 4000K, Incandescent or auto
- Manual focus to infinity – prefocus during the daylight
- Shoot in RAW if possible
- Turn off Noise reduction unless shooting jpg's only

	<u>Full frame</u>	<u>APC</u>	<u>Seconds</u>	<u>Fullframe</u>	<u>APC</u>	<u>Seconds</u>
<u>Shutter speed guide</u>	14mm	9.3mm	32	26mm	17.3mm	17
	16mm	10.7mm	28	28mm	18.7mm	16
	18mm	12.0mm	25	30mm	20.0mm	15
	20mm	13.3mm	23	32mm	21.3mm	14
	22mm	14.7mm	20	35mm	23.3mm	13
	24mm	16.0mm	19			

Recommended Lights

Petzl Tikka Xp 2 Headlamp - \$39.88 on Amazon

F&V Z-Flash LED panel Light – 69.99 on Amazon

Cree 40426 Xlamp warm white LED lantern - \$25.95 on Amazon

Duracell Durabeam Ultra 1000 Lumens Focusing flashlight - \$29.95 on Amazon

Stanley Fat Max Lithium Halogen Spot light – \$25 at Home Depot, Walmart

Further instruction:

Milkyway Nightscapes ebook by Royce Bair. www.intotheneightphoto.blogspot.com

My blog and Website:

www.shootforthestarsphoto.com

www.beyondinfinityphoto.com