

BFSP 2024 Targets

Object / Name	Type	Constellation	Notes	Scope	Filter to Use	Exposure
Starclouds: (Widefield)						
Summer Triangle (reshoot)	S. Cloud	Cygnus, Lyra, Aquila	Summer	Cannon 5mm	IR	60 sec subs for 15 or 30 minutes
Cepheus	S. Cloud	Cepheus	Sky&Tel Oct 2013, P36 sheet	Cannon 5mm	IR	60 sec subs for 15 or 30 minutes
Lacerta	S. Cloud	Lacerta	Sky&Tel Oct 2013, P36 sheet	Cannon 5mm	IR	60 sec subs for 15 or 30 minutes
Cassiopeia	S. Cloud	Cassiopeia	Fall	Cannon 5mm	IR	60 sec subs for 15 or 30 minutes
Perseus	S. Cloud	Perseus	Fall	Cannon 5mm	IR	60 sec subs for 15 or 30 minutes
Auriga	S. Cloud	Auriga	early Winter	Cannon 5mm	IR	60 sec subs for 15 or 30 minutes
Gemini	S. Cloud	Gemini	early Winter	Cannon 5mm	IR	60 sec subs for 15 or 30 minutes
Orion	S. Cloud	Orion	early Winter	Cannon 5mm	IR	60 sec subs for 15 or 30 minutes
Specific Objects:						
SH2-1	E. Nebula	Scorpius (head)		EVO50mm & 8" SCT	L-eNhanche	3 minute subs for 15 or 30 minutes
SH2-7	E. Nebula	Scorpius (head)		EVO50mm & 8" SCT	L-eNhanche	3 minute subs for 15 or 30 minutes
IC4592 (B40) Blue Horsehead	R. Nebula	Scorpius (head - Nu)		Canon 25m & EVO50	IR / L-Pro	60 sec / 3 min subs for 15 or 30 minutes
SH2-27	E. Nebula	Ophiuchus	near M107	EVO50mm & 8" SCT	L-eNhanche	3 minute subs for 15 or 30 minutes
M8 Lagoon Nebula	E. Nebula	Sagittarius		EVO50mm & 8" SCT	L-eNhanche	3 minute subs for 15 or 30 minutes
IRAS 18059-3211 "Gomez's Hamburger"	P. Nebula	Sagittarius	14.m Edge-on protoplanetary dust disk RA 18h 09m 13.40s DEC -32° 10' 50"	8" SCT	L-Pro	3 minute subs for 15 or 30 minutes
Sadr region (IC1318) Butterfly Nebula	E. Nebula	Cygnus (Gamma)		Canon 25m & EVO50	IR / L-eNhanche	60 sec / 3 min subs for 15 or 30 minutes
Le Gentil 3	D. Nebula	Cygnus - Cepheus	Sky&Tel Oct 2013, P36/37 sheet	Canon 25m & EVO50	IR	60 sec subs for 15 or 30 minutes
Tuplip Nebula SH2-101	E. Nebula	Cygnus		EVO50mm & 8" SCT	L-eNhanche	3 minute subs for 15 or 30 minutes
Veil Nebula	SNR	Cygnus		C25mm, EVO50, 8"SCT	IR / L-eNhanche	60 sec / 3 min subs for 15 or 30 minutes
B144 Fish on the Platter	D. Nebula	Cygnus (near starcloud)		C25mm, EVO50, 8"SCT	L-Pro	60 sec / 3 min subs for 15 or 30 minutes
B160 & B161 (IC1396) Elephant Trunk	E. / D. Neb	Cepheus		C25mm, EVO50, 8"SCT	IR / L-Pro	60 sec / 3 min subs for 15 or 30 minutes
NGC6946	Galaxy	Cepheus		EVO50mm & 8" SCT	L-Pro	3 minute subs for 15 or 30 minutes
Kn32 "Dracula's Chivito"	P. Nebula	Cepheus	14.2m Edge-on protoplanetary dust disk RA 23h 09m 43.6s DEC +67° 23' 39"	8" SCT	L-Pro	3 minute subs for 15 or 30 minutes
NGC7790	O. Cluster	Cassiopeia		C25mm, EVO50, 8"SCT	L-Pro	3 minute subs for 15 or 30 minutes
M52	O. Cluster	Cassiopeia	Sky&Tel Oct 2013, P38/39 sheet	Canon 25m & EVO50	L-Pro	3 minute subs for 15 or 30 minutes
IC342	Galaxy	Camelpardalis		EVO50mm & 8" SCT	L-Pro	3 minute subs for 15 or 30 minutes
M34	O. Cluster	Perseus		C25mm, EVO50, 8"SCT	IR / L-Pro	60 sec / 3 min subs for 15 or 30 minutes
Melotte 20 Alpha Persei OB Asso	O. Cluster	Perseus		Canon 25m & EVO50	IR / L-Pro	60 sec / 3 min subs for 15 or 30 minutes
M36	O. Cluster	Auriga		C25mm, EVO50, 8"SCT	IR / L-Pro	60 sec / 3 min subs for 15 or 30 minutes
M37	O. Cluster	Auriga		C25mm, EVO50, 8"SCT	IR / L-Pro	60 sec / 3 min subs for 15 or 30 minutes
M38	O. Cluster	Auriga		C25mm, EVO50, 8"SCT	IR / L-Pro	60 sec / 3 min subs for 15 or 30 minutes
Solar System Objects:						
Comet 13P/Olbers	Comet	Coma Berenices	8th mag	8" SCT	L-Pro	see the TheSkyLive for charts
Comet C/2023 A3 (Tsuchinshan-ATLAS)	Comet	Sextans	8th mag	8" SCT	L-Pro	see the TheSkyLive for charts
KBO 2014 MU69 (Ultima Thule)	Asteroid	Sagittarius	? Mag (between Sag & Cap)	8" SCT	IR or L-Pro	see the TheSkyLive for charts
Saturn's Moons	Moons	Aquarius		8" SCT	IR or L-Pro	see the TheSkyLive for charts
Project Objects:						
SH2 Project - Book	E. Nebula			EVO50mm & 8" SCT	L-eNhanche	3 minute subs for 15 or 30 min ROI=4144
Barnard Project - Book	D. Nebula			EVO50mm & 8" SCT	L-Pro	3 minute subs for 15 or 30 min ROI=4144
Abell Galaxy Clusters - Book	Galaxy			8" SCT	L-Pro	3 minute subs for 30 min ROI=2072x1410
Palomar Galaxy Clusters - Book	Galaxy			8" SCT	L-Pro	3 minute subs for 15 min ROI=2072x1410
Arp Peculiar Galaxies - Book	Galaxy			8" SCT	L-Pro	3 minute subs for 30 min ROI=2072x1410
Experimental:						
Zodiacal Light in Gemini	dust	Gemini		Cannon 5mm	IR	60 sec subs for 15 or 30 minutes
Cygnus X-1	Black Hole	Cygnus (Located near Sh2-101 (Tulip Nebula).	The bright blue supergiant HDE 226868 that is part of the Cygnus X-1 binary system is easy to spot. But, seeing the bow shockwave of Cygnus X-1 via EAA will be extremely difficult.	C25mm, EVO50, 8"SCT	L-Pro	3 minute subs for 15 or 30 minutes See August EAA Cloudynight challenge
Late Adds:						

Notes: