

Summer 2026 Targets

Object / Name	Type	Constellation	Notes	Scope	Filter	Exposure
<b>SeeStar S30</b>						
OB Associations	Cluster	Sco/Sag/Ser/Vul/Cyg	See List and Charts	S30 - Alt-Az Mode	IR	30 second subs for 15 minute
<b>SeeStar S30-Pro Widefield:</b>						
Milky-Way	S. Cloud	Sco/Sag/Aql/Cyg	Southwestern sky	S30-Pro - Alt-Az	IR	60 second subs for 15 minute
Summer Triangle	S. Cloud	Lyra/Aql/Cyg	Constellations	S30-Pro - Alt-Az	IR	60 second subs for 1 hour
Polaris Star-Trails	Star	Ursa Minor	Constellations	S30-Pro - Alt-Az	IR	60 second subs for 2- 4 hours
Scorpius	Star	Scorpius	Constellations	S30-Pro - Alt-Az	IR	60 second subs for 1 hour
Sagittarius	Star	Sagittarius	Constellations	S30-Pro - Alt-Az	IR	60 second subs for 1 hour
Aquila	Star	Aquila	Constellations	S30-Pro - Alt-Az	IR	60 second subs for 1 hour
Cygnus	Star	Cygnus	Constellations	S30-Pro - Alt-Az	IR	60 second subs for 1 hour
T Coronae Borealis	Star	Corona Borealis	recurring nova	S30-Pro - EQ Mode	IR	30 second subs for 5 minute
False Comet in Scorpius	Stars/O.C.	Scorpius	Dual EQ/MilkyWay mosaic	S30-Pro - EQ Mode	IR	60 second subs for 1 hour
near M62 in Scorpius	D.Neb/G.C.	Scorpius	Dual EQ/MilkyWay mosaic	S30-Pro - EQ Mode	IR	60 second subs for 1 hour
M6 & M7	D.Neb/O.C.	Scorpius	Dual EQ/MilkyWay mosaic	S30-Pro - EQ Mode	IR	60 second subs for 1 hour
M8 & M20	Nebula	Sagittarius	Dual EQ/MilkyWay mosaic	S30-Pro - EQ Mode	NB	60 second subs for 1 hour
M16 & M17	Nebula	Sagittarius/Serpens	Dual EQ/MilkyWay mosaic	S30-Pro - EQ Mode	NB	60 second subs for 1 hour
Rho Ophiuchi & Antares	D. Neb/RN	Ophiuchus	Dual EQ/MilkyWay mosaic	S30-Pro - EQ Mode	IR	60 second subs for 1 hour
B78 - Pipe Nebula / Dark Horse	D. Nebula	Ophiuchus	Dual EQ/MilkyWay mosaic	S30-Pro - EQ Mode	IR	60 second subs for 1 hour
Baades Window (NGC6522)	Stars/G.C.	Sagittarius	EQ Mode and frame/mosaic	S30-Pro - EQ Mode	IR	60 second subs for 1 hour
M24 (Small Sag Starcloud)	S. Clouds	Sagittarius	EQ Mode and frame/mosaic	S30-Pro - EQ Mode	IR	60 second subs for 1 hour
Large Sag Starcloud	S. Clouds	Sag - teapot spout	EQ Mode and frame/mosaic	S30-Pro - EQ Mode	IR	60 second subs for 1 hour
NGC7000 (N American neb)	Nebula	Cygnus	EQ Mode and frame/mosaic	S30-Pro - EQ Mode	NB	60 second subs for 1 hour
Sadr & Butterfly Nebula	Nebula	Cygnus	EQ Mode and frame/mosaic	S30-Pro - EQ Mode	NB	60 second subs for 1 hour
Veil Nebula - NGC6960 / NGC6992	SNR	Cygnus	EQ Mode and frame/mosaic	S30-Pro - EQ Mode	NB	60 second subs for 1 hour
IC4592 - SH2-7 (also B40 - plate12)	R. Nebula	Scorpius (near Nu)	"Blue Horsehead"	S30-Pro - EQ Mode	IR	60 second subs for 1 hour
B143/B143	D. Nebula	Aquila	Barnard's "E"	S30-Pro - EQ Mode	IR	60 second subs for 1 hour
B127/B129/B130	D. Nebula	Aquila	see Jun2026 S&T p.39	S30-Pro - EQ Mode	IR	60 second subs for 1 hour
B137/B138/B139	D. Nebula	Aquila	see Jun2026 S&T p.39	S30-Pro - EQ Mode	IR	60 second subs for 1 hour
<b>Specific Objects:</b>						
T Coronae Borealis	Star	C. Borealis	recurring nova	EVO50mm & 8" SCT	L-Pro	15 sec subs for 5 minutes
QSO 0957+561	Quasar	Ursa Major	"Twin Lensed" by NGC3079	8" SCT	L-Pro	3 min subs for 15 minutes
HE 1216+5032A/B	Quasar	Canes Venatici	"Twin Quasar" by NGC4157	8" SCT	L-Pro	3 min subs for 15 minutes
H 1413+117A/B/C/D	Quasar	Bootes	"Cloverleaf" by NGC5532	8" SCT	L-Pro	3 min subs for 15 minutes
<b>Wolf-Rayet Shells</b>						
NGC6543 - WR? New	WR Nebula	Draco	Cats Eye Nebula	8" SCT	L-eNhance	3 min subs for 30 min
NGC6357 - WR93	WR Nebula	Scorpius	Lobster Nebula	EVO50mm & 8" SCT	L-eNhance	3 min subs for 30 min
SH2-80 / M1-67 - WR124	WR Nebula	Sagittia	Merrills Star	8" SCT	L-eNhance	3 min subs for 30 min
SH2-92 - WR127	WR Nebula	Cygnus		EVO50mm & 8" SCT	L-eNhance	3 min subs for 30 min
SH2-157 - WR157	WR Nebula	Cepheus	Lobster Claw Nebula	EVO50mm & 8" SCT	L-eNhance	3 min subs for 30 min
SH2-132 - WR152 & WR153	WR Nebula	Cepheus	Lobster Claw Nebula	EVO50mm & 8" SCT	L-eNhance	3 min subs for 30 min
<b>Barnard Dark Nebula</b>						
B78 - Pipe Nebula	D. Nebula	Ophiuchus		EVO50mm & 8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
B87 - Parrot Head	D. Nebula	Sagittarius		EVO50mm & 8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
IRAS 18059-3211 "Hamburger" (see article)	"Gomez's ProtoPlanet Disk	Sagittarius	RA 18h 09m 13.40s DEC -32° 10' 50"	8" SCT	L-Pro	3 minute subs for 15 or 30 minutes
NGC6537	P. Nebula	Sagittarius	"Red Spider Nebula" (tiny)	8" SCT	L-eNhance	3 min subs for 30 min
<b>Re-Observe Objects:</b>						
NGC5350, 5353, 5354, 5355, 5358	Galaxy	Canes Venatici	group	8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
NGC5371	Galaxy	Canes Venatici		8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
M94	Galaxy	Canes Venatici	see May2026 S&T p.54-55	8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
NGC4410A,B,C,D & NGC4411A & B	Galaxy	Virgo	see May2026 S&T p.56	8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
NGC5426 & NGC5427	Galaxy	Virgo		8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
NGC5560, 5566, 5569	Galaxy	Virgo	see Jun2025 S&T p.65	8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
NGC4567 & NGC4568	Galaxy	Virgo	"Butterfly" -Jun25 S&T p.67	8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
NGC5846 & NGC5850	Galaxy	Virgo	see Jun2025 S&T p.66	8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
M91	Galaxy	Virgo		8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
M85 & NGC4394	Galaxy	Coma Berenices	see Jun2025 S&T p.66	8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
NGC4136	Galaxy	Coma Berenices		8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
NGC4147	Galaxy	Coma Berenices		8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
NGC4185	Galaxy	Coma Berenices		8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
NGC4189	Galaxy	Coma Berenices		8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
NGC4559	Galaxy	Coma Berenices		8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
NGC5239	Galaxy	Bootes		8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
NGC5529	Galaxy	Bootes	see Jun2025 S&T p.60	8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
NGC5829 & IC4526	Galaxy	Bootes		8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
NGC5840 & NGC5841	Galaxy	Bootes		8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
NGC5874	Galaxy	Bootes		8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
NGC6106	Galaxy	Hercules		8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
NGC6814	Galaxy	Aquila	see Jun2026 S&T p.37-38	8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
NGC6760	Glob Cluster	Aquila	see Jun2026 S&T p.38	EVO50mm & 8" SCT	L-Pro	30 second subs for 5 or 15 minutes
NGC6755-NGC6756	Open Cluster	Aquila	see Jun2026 S&T p.38	EVO50mm & 8" SCT	L-Pro	15 second subs for 5 or 10 minutes
NGC6781 - Snowglobe Nebula	P. Nebula	Aquila	see Jun2026 S&T p.35	8" SCT	L-eNhance	3 or 5 min subs for 30 min
NGC6804	P. Nebula	Aquila	see Jun2026 S&T p.35	8" SCT	L-eNhance	3 or 5 min subs for 30 min
Abell40	P. Nebula	Ophiuchus		8" SCT	L-eNhance	3 or 5 min subs for 15 or 30 min
Abell68 & Abell74	P. Nebula	Vulpecula		8" SCT	L-eNhance	3 or 5 min subs for 15 or 30 min

Object / Name	Type	Constellation	Notes	Scope	Filter	Exposure
<b>Usual Suspects: (General Objects)</b>						
M81 & M82	Galaxy	Ursa Major	"Bodes Galaxy, "Cigar Galaxy"	EVO50mm & 8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
M101	Galaxy	Ursa Major	"Pinwheel Galaxy"	EVO50mm & 8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
M51	Galaxy	Canes Venatici	"Whirlpool Galaxy"	EVO50mm & 8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
M101	Galaxy	Ursa Major	"Pinwheel Galaxy"	EVO50mm & 8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
M5	Glob Cluster	Serpens Caput	see May Sky&Tel p.55	EVO50mm & 8" SCT	L-Pro	30 second subs for 5 or 15 minutes
M13	Glob Cluster	Hercules	"Great Hercules Cluster"	EVO50mm & 8" SCT	L-Pro	30 second subs for 5 or 15 minutes
M57	P. Nebula	Lyra	"Ring Nebula"	EVO50mm & 8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
M27	P. Nebula	Vulpecula	"Dumbbell nebula"	EVO50mm & 8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
M22	Glob Cluster	Sagittarius		EVO50mm & 8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
<b>Solar System Objects:</b>						
Comet 10P/Tempel	Comet	Aquila/Capricornus	check "TheSkyLive"	8" SCT	L-Pro	see the TheSkyLive for charts
Comet 220P/McNaught	Comet	Pisces	check "TheSkyLive"	8" SCT	L-Pro	see the TheSkyLive for charts
Comet 88P/Howell	Comet	Pisces	check "TheSkyLive"	8" SCT	L-Pro	see the TheSkyLive for charts
<b>Project Objects:</b>						
<b>Barnard Dark Nebula - Book</b>						
B78 - Pipe Nebula	D. Nebula	Ophiuchus		EVO50mm & 8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
B87 - Parrot Head	D. Nebula	Sagittarius		EVO50mm & 8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
<b>False Comet in Scorpius</b>			Dual EQ/MilkyWay mosaic	S30-Pro - EQ Mode	IR	60 second subs for 1 hour
B44a, B179, B231, 232, 233, 235	D. Nebula	Scorpius		EVO50mm & 8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
<b>Near M62 in Scorpius</b>			Dual EQ/MilkyWay mosaic	S30-Pro - EQ Mode	IR	60 second subs for 1 hour
B49, 50, 53, 54, 55, 56, 180, 234, 236, 239, 241	D. Nebula	Scorpius		EVO50mm & 8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
<b>M6 in Scorpius</b>			Dual EQ/MilkyWay mosaic	S30-Pro - EQ Mode	IR	60 second subs for 1 hour
B257, 258, 271, 273, 275, 278	D. Nebula	Scorpius		EVO50mm & 8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
<b>M7 in Scorpius</b>			Dual EQ/MilkyWay mosaic	S30-Pro - EQ Mode	IR	60 second subs for 1 hour
B283, 286, 287, 288, B291, 292, 293, 295	D. Nebula	Scorpius		EVO50mm & 8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
<b>Rho Ophiuchi Nebula</b>			Dual EQ/MilkyWay mosaic	S30-Pro - EQ Mode	IR	60 second subs for 1 hour
B42, 44, 45, 46, 47, 51, 57, 60, 176, 177, 178, 200, 238, 246	D. Nebula	Ophiuchus		EVO50mm & 8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
<b>B78 - Pipe Nebula</b>			Dual EQ/MilkyWay mosaic	S30-Pro - EQ Mode	IR	60 second subs for 1 hour
B63, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 241, 243, 244, 245, 246, 248, 249, 250, 261, 262, 266, 268, 269	D. Nebula	Ophiuchus		EVO50mm & 8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
Many in Sagattarius						
Many in Scutum						
Many in Aquila						
Many in Cygnus						
<b>Abell Galaxy Clusters - Book</b>						
Abell2052	Galaxy	Serpens	book - Page 324	8" SCT	L-Pro	3 minute subs for 30 min
Abell2063	Galaxy	Serpens	book - Page 328	8" SCT	L-Pro	3 minute subs for 30 min
Abell1318	Galaxy	Ursa Major	book - Page 252	8" SCT	L-Pro	3 minute subs for 30 min
Abell1377	Galaxy	Ursa Major	book - Page 256	8" SCT	L-Pro	3 minute subs for 30 min
<b>Palomar Galaxy Clusters - Book</b>						
PCG1156+0318	Galaxy	Virgo	book - Page 63	8" SCT	L-Pro	3 minute subs for 15 min
PCG1222+1139	Galaxy	Virgo	book - Page 64	8" SCT	L-Pro	3 minute subs for 15 min
PCG1516+0257	Galaxy	Serpens	book - Page 70	8" SCT	L-Pro	3 minute subs for 15 min
PCG1221+5548	Galaxy	Ursa Major	book - Page 40	8" SCT	L-Pro	3 minute subs for 15 min
<b>Arp Peculiar Galaxies - Book</b>						
Arp141	Galaxy	Camelopardalis	Chart-B P122, Page-127	8" SCT	L-Pro	3 minute subs for 30 min
Arp156	Galaxy	Draco	Chart-B P122, Page-127	8" SCT	L-Pro	3 minute subs for 30 min
Arp181	Galaxy	Draco	Chart-B P122, Page-128	8" SCT	L-Pro	3 minute subs for 30 min
Arp204	Galaxy	Camelopardalis	Chart-B P122, Page-128	8" SCT	L-Pro	3 minute subs for 30 min
Arp207	Galaxy	Draco	Chart-B P122, Page-129	8" SCT	L-Pro	3 minute subs for 30 min
Arp268	Galaxy	Ursa Major	Chart-B P122, Page-130	8" SCT	L-Pro	3 minute subs for 30 min
Arp300	Galaxy	Ursa Major	Chart-B P122, Page-130	8" SCT	L-Pro	3 minute subs for 30 min
Arp62 (may be too low?)	Galaxy	Ursa Major	Chart-N P224, Page-228	8" SCT	L-Pro	3 minute subs for 30 min
Arp148 (may be too low?)	Galaxy	Ursa Major	Chart-N P224, Page-228	8" SCT	L-Pro	3 minute subs for 30 min
Arp233	Galaxy	Ursa Major	Chart-N P224, Page-233	8" SCT	L-Pro	3 minute subs for 30 min
Arp177	Galaxy	Bootes	Chart-U P312, Page-319	8" SCT	L-Pro	3 minute subs for 30 min
Arp218	Galaxy	Serpens	Chart-U P312, Page-320	8" SCT	L-Pro	3 minute subs for 30 min
Arp220	Galaxy	Serpens	Chart-U P312, Page-321	8" SCT	L-Pro	3 minute subs for 30 min
Arp241	Galaxy	Bootes	Chart-U P312, Page-321	8" SCT	L-Pro	3 minute subs for 30 min
<b>SH2 Nebula - Book</b>						
SH2-23	E. Nebula	Scorpius	Bracken-C32, P51	EVO50mm & 8" SCT	L-eNhance	60 second subs for 30 minutes
SH2-24	E. Nebula	Ophiuchus	Bracken-C32, P51	EVO50mm & 8" SCT	L-Pro ?	60 second subs for 30 minutes
SH2-27 (large)	E. Nebula	Ophiuchus	Bracken-C32, P51	S30-Pro - EQ Mode	NB	60 second subs for 30 minutes
SH2-33	E. Nebula	Serpens Caput	Bracken-C32, P51	EVO50mm & 8" SCT	L-eNhance	60 second subs for 30 minutes
SH2-36	E. Nebula	Serpens Caput	Bracken-C32, P51	EVO50mm & 8" SCT	L-eNhance	60 second subs for 30 minutes
SH2-1	E. Nebula	Scorpius	Bracken-C47, P67	EVO50mm & 8" SCT	L-eNhance	60 second subs for 30 minutes
SH2-2	E. Nebula	Scorpius	Bracken-C47, P67	EVO50mm & 8" SCT	L-eNhance	60 second subs for 30 minutes

