

Spring-I 2025 Targets

Object / Name	Type	Constellation	Notes	Scope	Filter to Use	Exposure
Starclouds: (Widefield)						
Late Winter Milky-Way	S. Cloud	Auriga, Orion, C Major	Southwestern sky	Cell Phone		Night Sight - Astronomy mode & tripod
SeeStar S30 Widefield:						
T Coronae Borealis	Star	C. Borealis	recurring nova	S30, EVO50, & 8"SCT	IR / L-Pro	20 sec / 15 sec subs for 5 minutes
Melotte111	Open Cluster	Coma Berenices	"Coma Berenices Cluster"	S30	IR	20 second subs for 15 minutes
M13	Glob Cluster	Hercules	"Great Hercules Cluster"	S30	IR	20 second subs for 15 minutes
M101	Galaxy	Ursa Major	"Pinwheel Galaxy"	S30	IR	30 second subs for 30 minutes
M51	Galaxy	Canes Venatici	"Whirlpool Galaxy"	S30	IR	30 second subs for 30 minutes
NGC6633	Open Cluster	Ophiuchus		S30	IR	20 second subs for 15 minutes
IC4665	Open Cluster	Ophiuchus		S30	IR	20 second subs for 15 minutes
IC4756	Open Cluster	Serpens Cauda		S30	IR	20 second subs for 15 minutes
Specific Objects:						
T Coronae Borealis	Star	C. Borealis	recurring nova	EVO50mm & 8" SCT	L-Pro	15 sec subs for 5 minutes
Arp188 UGC10214	Galaxy	Draco	"Tadpole Galaxy"	8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
NGC2336	Galaxy	Camelpardalis	see Dec Sky&Tel p.31	8" SCT	L-Pro	3 min subs for 30 or 60 minutes
NGC2633	Galaxy	Camelpardalis	widefield* contains IFN (EAA)	EVO50mm & 8" SCT	L-Pro	3 min subs for 30 or 60 minutes
NGC6251 & NGC6252	Galaxy	Ursa Minor	see Dec Sky&Tel p.29	8" SCT	L-Pro	3 min subs for 30 or 60 minutes
NGC3893 & NGC3896	Galaxy	Ursa Major	Observers Challenge - April	8" SCT	L-Pro	3 min subs for 30 or 60 minutes
NGC4284 & NGC4290	Galaxy	Ursa Major	Observers Challenge - May	8" SCT	L-Pro	3 min subs for 30 or 60 minutes
NGC5139	Glob Cluster	Centaurus	"Omega Centauri"	EVO50mm & 8" SCT	L-Pro	30 second subs for 5 or 15 minutes
NGC5128 "Hamburger Galaxy"	Galaxy	Centaurus	"Centaurus A"	EVO50mm & 8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
UGC4499 (Mrk HII starburst regions)	Galaxy	Ursa Major	see May Sky&Tel p.61	8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
NGC3023 (Mrk HII starburst regions)	Galaxy	Sextans	see May Sky&Tel p.62	8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
NGC3125 (Mrk HII starburst regions)	Galaxy	Antlia	see May Sky&Tel p.64	8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
NGC3991/95 (Mrk HII starburst regions)	Galaxy	Ursa Major	see May Sky&Tel p.65	8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
M106 (Mrk HII starburst regions)	Galaxy	Canes Venatici	see May Sky&Tel p.66	8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
Haro29 (Mrk HII starburst regions)	Galaxy	Canes Ven (near M106)	see May Sky&Tel p.67	8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
NGC4204 (Mrk HII starburst regions)	Galaxy	Coma Berenices	see May Sky&Tel p.67	8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
Re-Observe Objects:						
M83	Galaxy	Hydra	"Southern Pinwheel"	EVO50mm & 8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
M105	Galaxy	Leo		8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
NGC3184	Galaxy	Ursa Major		8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
NGC2903 & NGC2905	Galaxy	Leo		8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
NGC2916	Galaxy	Leo		8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
NGC4631	Galaxy	Canes Venatici		8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
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
NGC5426 & NGC5427	Galaxy	Virgo		8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
NGC5560, 5566, 5569	Galaxy	Virgo	group	8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
NGC4567 & NGC4568	Galaxy	Virgo	"Siamese Twins"	8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
Usual Suspects: (General Objects)						
M65, M66, NGC3628	Galaxy	Leo	"Leo Triplet"	EVO50mm & 8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
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
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
Virgo Cluster Galaxies	Galaxy	Virgo, Coma Berenices		8" SCT	L-Pro	3 or 5 min subs for 30 or 60 min
ORAS C14 Objects:						
M51	Galaxy	Canes Venatici	"Whirlpool Galaxy"	C14	L-Pro	5 minute subs for 60 minutes
M101	Galaxy	Ursa Major	"Pinwheel Galaxy"	C14	L-Pro	5 minute subs for 60 minutes
NGC4038/4039	Galaxy	Corvus	"The Antenna Galaxy"	C14	L-Pro	5 minute subs for 60 minutes
NGC4485 & 4490	Galaxy	Ursa Major	"Cocoon Galaxy"	C14	L-Pro	5 minute subs for 60 minutes
NGC4527 & 4531	Galaxy	Canes Venatici	"Whale Galaxy"	C14	L-Pro	5 minute subs for 60 minutes
NGC4656 & 4657	Galaxy	Canes Venatici	"The Hockey Stick & Puck"	C14	L-Pro	5 minute subs for 60 minutes
NGC4676A&B	Galaxy	Coma Berenices	"The Mice"	C14	L-Pro	5 minute subs for 60 minutes
NGC5394/5395	Galaxy	Canes Venatici	"The Heron Galaxy"	C14	L-Pro	5 minute subs for 60 minutes
Solar System Objects:						
Comet C/2025 F2 (SWAN) - SWAN25F	Comet	Andromeda	9th mag	8" SCT	L-Pro	see the TheSkyLive for charts
Comet P/2010 H2 (Vales)	Comet	Virgo	13th mag	8" SCT	L-Pro	see the TheSkyLive for charts
Project Objects:						
SH2 Project - Book	E. Nebula			EVO50mm & 8" SCT	L-eNhance	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
Shakhbazian Galaxy Clusters	Galaxy		see April Sky&Tel p.58	8" SCT	L-Pro	3 minute subs for 30 min ROI=2072x1410

Object / Name	Type	Constellation	Notes	Scope	Filter to Use	Exposure
Experimental:						
Late Adds:						

Notes: