

Astronomical League Bright Nebula Observing Club

1	CED	214	Cep	Brт Nebula E+R	
	Sep 07 2023	12.5"	17mmT4	(Lb 2),DIF,MF,EEL,SVRL FOV'S,RICH * FIELD,NEB PATCHES,BKN DET WHILE SCANNING AREA,SOFT AREAS WITH NO EDGE DET,OIII NO GOOD,(12:41am),R=G	
5	NGC	281	Cas	Brт Nebula E	F,VL,DIF,STRIP*NP
	Sep 22 2022	12.5"	9mmT6	(Lb 1),DIF,PF,ML,L AREA BKN NEB SUR IC 1590,NEB FADES INTO SPACE,OIII NO GOOD,PAIR=IC 1590,(2:04am),R=F	
	Sep 18 2004	31"	17mmT4	DIF,MF,ML,NEB DET SUR TRI OF *S,PAIR=IC1590,R=G	
6	IC	59	Cas	Brт Nebula E+R	
	Sep 07 2023	12.5"	17mmT4	(Lb 3),DIF,VF,ML,LOC GOOD,KEEP B* OUT OF FOV,R PATCH OF VF NEB DET,F GLOW IN SMWHT BARREN * FIELD,OIII NO GOOD,(12:50am),R=F	
	Sep 18 2004	31"	17mmT4	VDIF,VF,VL,SVRL FOV'S,SCAN AREA,VF NEB DET IN PATCHES,OIII NO GOOD,R=P	
7	IC	63	Cas	Brт Nebula E+R	
	Sep 22 2022	12.5"	9mmT6	(Lb 2),PF,ML,W/OIII,DOES NOT HELP,PATCHY AREAS,BKN,EDGES NOT WELL DEF,FTR NEB DET W/AV,(1:44am),R=F	
	Sep 18 2004	31"	17mmT4	VDIF,PF,ML,EL,L ,EL PATCH OF NEB,SHISB,B NEB,R=G	
9	NGC	896	Cas	H695-3 Brт Nebula E	EF,PL,IF
	Nov 13 2020	36"	31mmT5	(Lb 2),DIF,VB,EEL,W/OIII,AWESOME,PATCHY AREAS STAND OUT IN FOV,2-3 FOV'S,DK AREAS THROUGH OUT,(10:55pm),R=GE	
	Sep 06 2002	12.5"	9mmT6	PF,EL,B NEB,F HINT OF B AREA COMPARED TO BG,LOC GOOD	
10	IC	1805	Cas	Brт Nebula E	
	Nov 13 2020	36"	31mmT5	(Lb 3),DIF,MF,EEL,W/OIII,AWESOME,ESP ON CR 26,SCAN TO ALL OUTER PARTS,PATCHES,RIFS,WISPS,BEST PART E&S OF CR 26,GOOD CONT BET DARK SKY & NEB,(10:46pm),R=G	
	Nov 13 2020	36"	55mm	(Lb 3),DIF,MF,EEL,SVRL FOV'S,PATCHY,CR 26 WITHIN BOUNDARY,SOME NEB W/O FILTER,W/OIII,PATCHY AREAS,(10:36pm),R=FG	
	Sep 18 2004	31"	17mmT4	PB,PL,~20*S,VAR MAG,CL,HINT OF NEB IN AREA,R=F	
11	LBN	667	Cas	Brт Nebula E	
	Nov 13 2020	36"	31mmT5	W/OIII,BEST DETAIL	
	Nov 13 2020	36"	55mm	(Lb 2),DIF MG,EEEL,W/OIII,5-7 FOV'S,IC 1848 AT ONE END,CR 34 THE OTHER,BOTH OC AND LBN EASILY DET,SCAN OUTER EDGES WELL DEF,PATCHES,DARK AREAS,BSECTIONS,GOOD CONTRAST W OF CR 34,(11:30pm),R=G	
12	NGC	1333	Per	Brт Nebula R	F,L,*10NF
	Oct 18 2023	12.5"	17mmT4	(Lb 2),DIF,MB,PL,B CNTR *, FUZZY, BLUEISH,NEB DET IN OBLONG SHAPE ARND *, OFF CNTR,F NEB PATCHES IN AREAS,EDGES FADE,OIII NO GOOD,(11:27pm),R=FG	
	Sep 27 2005	31"	17mmT4	PB,VL,REF NEB,NEB SUR *,B PATCH OF NEB CLOSE BY,L BG AREA GLOW,R=G	
13	VDB	15	Cam	Brт Nebula R	
	Oct 18 2023	12.5"	31mmT5	(Lb 3),DIF,VF,MS,NEB DET ARND B*,PATCHY,SCANNING ONLY A HINT OF F NEB IN AREAS,W/OIII MORE DET OF NEB ARND B*,GRAN,PAIR=VDB 14,(11:45pm),R=PF	
14	VDB	14	Cam	Brт Nebula R	
	Oct 18 2023	12.5"	31mmT5	(Lb 3),DIF,VF, MS,LESS NEB THAN VDB 15,ARND B*S YIELDS BEST DET,W/OII HELPS ARND B*S,PAIR=VDB15,(11:50pm),R=PF	
15	IC	1985	Per	Brт Nebula R	
	Oct 18 2023	12.5"	17mmT4	(Lb 2),DIF,PF,MS,NEB DET W PART OF IC 348 OC,PATCHY,OIII NO GOOD,PAIR=IC 348,(12:21am),R=F	
	Nov 13 2020	36"	31mmT5	(Lb 2),DIF,MB,ML,W/OIII,NEB SUR *S OF IC 348,B* IN FOV WITH F HALO OF NEB,EDGES FADE INTO OUTER AREAS,(12:55am),R=FG	
16	VDB	20	Tau	Brт Nebula R	
	Oct 18 2023	12.5"	17mmT4	(Lb 2),DIF,PF,EL,M45, L AREA OF NEB ARND Electron & THROT M45,BLUEISH,PATCHES OF NEB AM *S,OIII NO GOOD,(12:40am),R=FG	

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17	VDB	21	Tau	Brn Nebula R	
Oct 18 2023	12.5"	17mmT4	(Lb 2),DIF,PF,EL,M45, L AREA OF NEB ARND Maia & THROT M45,BLUEISH,PATCHES OF NEB AM *S,OIII NO GOOD,(12:45am),R=FG		
18	NGC	1432	Tau	Brn Nebula R	EF,VL,DIF, MAIA
Oct 18 2023	12.5"	17mmT4	(Lb 1),DIF,EB,EL,NEB AM *S IN M45,INCLUDES VDB 20,21,22,23,(12:50am),R=GE		
Dec 04 2004	31"	31mmT5	DIF,VB,EL,WITH OIII,NEB EASILY DET SUR *S IN M45,R=G		
19	VDB	22	Tau	Brn Nebula R	
Oct 18 2023	12.5"	17mmT4	(Lb 2),DIF,PF,EL,M45, L AREA OF NEB THROT M45,BLUEISH,PATCHES OF NEB AM *S,OIII NO GOOD,(12:55am),R=FG		
20	VDB	23	Tau	Brn Nebula R	
Oct 18 2023	12.5"	17mmT4	(Lb 2),DIF,PF,EL,M45, L AREA OF NEB THROT M45,BLUEISH,PATCHES OF NEB AM *S,OIII NO GOOD,(12:55am),R=FG		
21	NGC	1499	Per	Brn Nebula E	VF,VL,E NS,DIF
Oct 18 2023	12.5"	31mmT5	(Lb 1),DIF,MB,EEL,SVRL FOV'S,SCAN ENTIRE AREA,F PATCHES NEB DET,V RICH * FIELD,NEB FADES TO BLACK,WOULD BE BTR IN WIDE FIELD TELESCOPE,(1:07am),R=GE		
Sep 19 2012	36"	31mmT5	CALIFORNIA NEB,W/OIII,ABLE TO SLEW ENTIRE OUTLINE,MANY FOV'S WITH FINE NEB DETAIL,AWESOME,R=EE		
Sep 15 2012	6"	40mmEL	VF,EL,PATCH,W/HBETA FILTER ONLY WAY TO DET,DL'S COMET HUNTER SCOPE PERFECT FOR THE JOB,L RECT AREA,STANDS OUT WELL AGAINST BG,R=G		
22	NGC	1491	Per	H258-1 Brn Nebula E	VB,S,IF,BM,R,*INV
Oct 18 2023	12.5"	17mmT4	(Lb 1),DIF,MB,ML,GRAN,BLUEISH/GREEN,EL PATCHY NEB WITH A WEIRD SHAPE,EDGES FADE TO BLACK,OIII NO GOOD,(1:12am),R=G		
Aug 10 2002	12.5"	25mm	PB,PL,MHISB,IRR IN SHAPE,B NEB,L PATCH		
23	NGC	1555	Tau	Brn Nebula RN	VF,S,VARIABLE
Oct 18 2023	12.5"	17mmT4	(Lb 2),DIF,MF,VS,TRIED 31MM,17MM,12MM,9MM AND ONLY GOT A SMALL BLUEISH FUZZY BALL,DID NOT DET ANY PATCHY NEB,W/OIII OBJ DISAPPEARS!!,(1:40am),R=P		
Dec 25 1984	12.5"	24mm	HIND'S VARIABLE NEB - FADED FROM VIEW,ASSOC WITH T-TAURI		
24	CED	34	Tau	Brn Nebula R	
Oct 18 2023	12.5"	17mmT4	(Lb 3),DIF,MB,VS,B* IN NEB PROHIBITS ANY CHANGE OF DET F NEB,OIII NOT HELP,(1:46am),R=P		
25	NGC	1579	Per	H217-1 Brn Nebula R	PB,VL,IR,MBM,*8 2'NF
Oct 18 2023	12.5"	17mmT4	(Lb 1),DIF,MB,MS,B GREENISH PATCHY NEB,MBM,F* ARND NEB,WITH 12MM,PATCH IF BKN WITH S PATCH TO SIDE,OIII NO GOOD,(1:59am),R=G		
Sep 27 2005	31"	17mmT4	VB,VL,PATCH,UB,MHISB,EM NEB,PATCHY,B PATCHES DET,IRR IN SHAPE,R=G		
Aug 10 2002	12.5"	16mm	PB,PL,B NEB,MHISB,NO *S,UB		
Aug 10 2002	12.5"	9mmT6	PATCH,UB		
26	SH2	210	Per	Brn Nebula E	
Oct 18 2023	12.5"	17mmT4	(Lb 4),DIF,SCANNED AREA,SUSP SLT CHANGE VS BG,V RICH * FIELD,AV,(2:08am),R=P		
27	SH2	212	Per	Brn Nebula E	F,CL,IF,60R7*+NEB
Oct 18 2023	12.5"	17mmT4	(Lb 1),DIF,MB,MS,PATCHY GREENISH NEB SUR NGC 1624,~10*S,OIII NO GOOD,(2:13am).R=G		
28	VDB	29	Tau	Brn Nebula R	
Oct 18 2023	12.5"	17mmT4	(Lb 4),DIF,LOC GOOD,CANNOT DET ANY NEB ARND *,NO CHANGE IN BG SCANNING AREA,(2:20am),R=P		
40	IC	2118	Eri	H38-5 Brn Nebula R	F,EL,IF,1779 INV S
Nov 11 2020	36"	31mmT5	(Lb 4),SNR,DIF,EF,EEL MANY FOV'S,W/O O111, JUST A HINT OF NEB,W/OIII,MORE DETAIL OF SNR DET,EDGES NOT AS SHARP AS VEIL NEB BUT DET,PATCHES FILIMENTS HERE AND THERE WHILE SLEWING THROT SNR,(2:08am),R=FG		

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41	NGC	1788	Ori	H32-5	Brn Nebula R	B,CL,R,BM,***15,*1'F
Mar 05 2021	36"	17mmT4	(Lb 1),DIF,MB,PL,W/OIII,* IN EDGE OF BTEST PART OF NEB,BTR * CLOSE BY WITH NEB SUR IT,LOOKS LIKE NEB IN 2 PARTS,(8:00pm),R=FG			
Oct 16 1982	12.5"	16mm	BH2 RGN OR BET NEB AND *			
Oct 16 1982	12.5"	24mm	PB,ML,EL,BM,B* TO W IN NEB,VMBM			
48	IC	405	Aur	Brn Nebula E		
Oct 18 2023	12.5"	31mmT5	(Lb 2),DIF,VF,EEL,SCAN AREA,NE PART HAS F NEB PATCHES DET,V RICH * FOV,DET CHANGE IN BG BRIGHTNESS,(2:31am),R=F			
Dec 03 1980	12.5"	32mm	EL AREA,VOID AREA,MOVE TO N RIM,HINT OF B AREAS			
52	CED	44	Tau	Brn Nebula R		
Oct 18 2023	12.5"	31mmT5	(Lb 2),DIF,EF,MS,DET F PATCH OF NEB WITH AV,B223 DARK NEB SUSP ALONG EDGE OF CED 44,(2:38am),R=P			
60	IC	410	Aur	Brn Nebula E	DIF, MANY ST INV	
Nov 13 2020	36"	17mmT4	(Lb 2),DIF,MF,EL,N1893 IN NEB,W/OIII,SVRL FOV,PATCHES,SOME BTR THAN OTHERS,DARK AREAS,SOME EDGES GRAD FADE,N1893 IN DARK AREA,(2:42am),R=FG			
Feb 17 2004	31"	17mmT4	DIF,VF,EL,PATCH,OIII,SVRL FOV'S,BEST TO SCAN AREA,PATCH AND DARK AREAS,R=G			
66	IC	417	Aur	Brn Nebula E	VL,DIF,*6 INV	
Oct 18 2023	12.5"	17mmT4	(Lb 2),DIF,EF,PS,VF NEB DET ARND Stock 8 OC,V RICH * FOV,CHANGE IN BG BRIGHTNESS DET,(2:58am),R=P			
Feb 17 2004	31"	17mmT4	DIF,VF,EL,OIII FILTER,SVRL FOV'S,NEB DET BY B*,SCAN AREA,PATCHY AREAS DET,R=G			
69	SH2	237	Aur	Brn Nebula E+R		
Oct 18 2023	12.5"	17mmT4	(Lb 1),DIF,MB,ML,B CNTR PATCH WITH F NEB PROCEEDING FROM CNTR,BLUEISH/GREEN NEB,IN NGC 1931 OC,(2:46am),R=G			
73	IC	423	Ori	Brn Nebula R		
Mar 04 2021	36"	31mmT5	(Lb 2),DIF,W/OIII,MF,MS,PATCH,F* IN CNTER,DARK LANE,BKN,EDGES NOT DEF,V HARD TO DET W/O OIII,(8:51pm),R=F			
Feb 20 2006	31"	31mmT5	W/OIII,LOC GOOD,A HINT OF NEB SUSPECTED,AV,SUSP,R=P			
74	IC	424	Ori	Brn Nebula R		
Mar 03 2021	36"	31mmT5	(Lb 3),DIF,PF,PS,PATCH,SEV F*S IN AND SUR NEB,W/OIII,F BG GLOW SUR *S,NO EDGES,17MM HARD TO DET,(8:45pm),R=F			
Feb 20 2006	31"	31mmT5	W/OIII,EDIF,VF,VL,JUST A HINT OF NEB DET,S VF GRP OF *S IN NEB,R=P			
75	NGC	1952	Tau M1	Brn Nebula E	VB,VL,E135,VGLBM,R	
Mar 05 2021	36"	17mmT4	(Lb 1),SNR,VB,VL,OVAL,W/OIII,FINE FILAMENTS,STR,SEE OTHER DESCRIPTIONS,(8:44pm),R=E			
Mar 08 2013	36"	17mmT4	MESSIER MARATHON 2013			
Feb 05 2005	31"	31mmT5	EB,EL-OVAL,HISB,MANY F*S IN NEB,PATCHY AREAS DET,BEST EVER TO DATE,R=E			
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004			
Dec 26 2003	31"	17mmT4	VB,EL-OVAL,SVRL *S IN OBJ,PATCH AREAS DET,BEST OBSERVATION TO DATE,M1,R=G			
Dec 25 1984	12.5"	12mm	SAME,VB,VL			
Mar 02 1984	10"	20mm	SAME			
Mar 27 1982	12.5"	12mm	EDGES START TO BREAK UP,HISB			
Mar 27 1982	12.5"	24mm	SNR,DIF,MB,ML,HISB,OVAL,MBM			
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981			
Oct 31 1980	12.5"	24mm				
Oct 29 1980	8"	24mm				
Sep 18 1980	12.5"	24mm				
Sep 10 1980	12.5"	24mm				
Sep 09 1980	12.5"	24mm				

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75	NGC	1952	Tau	M1	Brn Nebula E	VB,VL,E135,VGLBM,R
	Sep 07 1980	12.5"	24mm			
	Aug 22 1980	12.5"	24mm			
78	NGC	1976	Ori	M42	Brn Nebula EN+RN	THETAORI \$GREAT NEB
	Sep 22 2022	12.5"	17mmT4	EB,EL,REDS,PINKS,GREENISH,BLUEISH,BEST EVER TODATE,BREATH TAKING,DET EVERYWHERE,R=EEE		
	Mar 05 2021	36"	31mmT5	(Lb 1),DIF,EB,EL,W/UHC, DETAIL BEYOND DESCRIPTION,UHC DETAILS NEB DIF THAN OIII,(8:10pm),R=EEE		
	Mar 08 2013	36"	17mmT4	MESSIER MARATHON 2013		
	Feb 05 2005	31"	31mmT5	EEB,EEL,SVRL FOV'S,AWSOME,COLORS DET,R=E		
	Dec 04 2004	31"	31mmT5	DIF,EB,EL,2 FOV'S,ABSOLUTLY THE BEST EVER SEEN TO DATE,COLOR AND SHADES OF COLOR		
	Dec 04 2004	31"	31mmT5	DIF,EB,EL,WITH OIII,EVEN BTR,MORE NEB DET,MUCH MORE DETAIL,THE BEST,R=E		
	Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004		
	Mar 02 1984	10"	20mm	SAME		
	Mar 27 1982	12.5"	24mm	VB,ML,3 SHADES OF COLOR VIS,DARK PATCHES,BEAUTIFUL!!!		
	Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981		
	Dec 03 1980	12.5"	24mm			
	Oct 31 1980	12.5"	24mm			
	Oct 29 1980	8"	24mm			
	Sep 18 1980	12.5"	24mm	TRAPIZUM BLUE-GREEN,BLUE AS YOU GO OUT,TIPS SHOW RED		
	Sep 10 1980	12.5"	24mm			
	Sep 09 1980	12.5"	24mm			
	Aug 22 1980	12.5"	24mm	BEAUTIFUL!!!		
79	NGC	1975	Ori		Brn Nebula E	B**INV IN NEB
	Mar 05 2021	36"	31mmT5	(Lb 1),DIF,EB,EEL,UHC BTR THAN OIII,MORE NEB DET,MANY B*S WITH NEB,SLEWING REVEALS PATCHY AREAS, DARK SPOTS,EDGE NOT DEF,(8:24pm),R=G		
	Feb 20 2006	31"	31mmT5	W/OIII,DIF,PB,EL,PATCHES OF NEB DET,DARK AREAS,NEB SUR B*S OF NGC1977,R=E		
81	NGC	1990	Ori	H34-5	Brn Nebula E+R	EL,E,EPSILONORI INVP
	Mar 05 2021	36"	31mmT5	(Lb 1),DIF,EB,VL,OIII DET MORE NEB THAN UHC,VB* IN MID WITH HALO OF NEB,(8:30pm),R=P		
	Mar 22 2004	12.5"	25mm	DIF,VF,ML,W/OIII,HINT OF NEB SUR B* DET,R=P		
82	NGC	1999	Ori	H33-4	Brn Nebula E	*10,11INV IN NEB
	Mar 04 2021	36"	31mmT5	(Lb 1),DIF,PB,VS,NEB EASILY SEEN SUR B*,PATCHY,GRAN,W/OIII,MORE NEB DET,GRAN,VMBM,(8:56pm),R=FG		
	Feb 20 2006	31"	31mmT5	W/OIII,DIF,MB,VL,NEB DETAIL DET SUR *,R=G		
	Oct 16 1982	12.5"	24mm	MB,PS,BNUC,VMBM,R,12MM-EYE APPEARANCE,TAPERED ENDS,SOME DARK AREA IN NEB		
83	SH2	264	Ori		Brn Nebula E	
	Mar 05 2021	36"	31mmT5	(Lb 1-5),DIF,VB,EEEL,W/UHC,3-4 FOV'S,VF IN AREAS (AV REQ),NEB DET SUR B*S,(8:36pm),R=P		
84	IC	426	Ori		Brn Nebula R	
	Mar 04 2021	36"	31mmT5	(Lb 2),DIF,VF,MS,W/OIII,NEB EASILY DET SUR *S THEN FADES,RECT IN SHAPE,EDGES NOT WELL DEF,(9:00pm),R=F		
	Feb 20 2006	31"	31mmT5	W/OIII,VDIF,EF,VL,SOME HINT OF NEB DET,PATCHY AREAS,AV,SUSP,R=P		
94	IC	434	Ori		Brn Nebula E	
	Mar 05 2021	36"	31mmT5	(Lb 1),DIF,MF,EEL,W/OIII,BET THAN UHC,SEV FOV'S,EDGE DET BOTH SIDES OF HORSEHEAD,SEE PREVIOUS OBS,H-BETA FILTER BEST FOR HH,(8:42PM),R=F		
	Oct 12 2012	36"	17mmT4	DIF,W/HBETA,NEB CONTAINS HH NEB,OUTLINE OF DIF NEB EASILY FOLLOWED FROM BOTH SIDES OF HH NECK FOR SVRL FOV'S,R=G		
	Feb 21 2006	31"	31mmT5	VF,EL,NEB SUR HORSEHEAD,NEB DET WWO FILTERS,BEST WITH H-BETA,R=G		

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95	IC	432	Ori	Brn Nebula R	
Mar 04 2021	36"	31mmT5	(Lb 1),DIF,VB,MS,W/OIII,OVAL PATCH OF NEB WITH B* IN CNTR,V GRAN,EDGES NOT WELL DEF,(9:07pm),R=G		
Jan 24 2009	31"	17mmT4	VF,PS,OIII HELPS DETECT MORE NEB,V LTL NEB DET WITHOUT OIII,R=P		
Feb 21 2006	31"	31mmT5	W/OIII,VDIF,VF,VL,OVAL-R,PATCH SUR B*,SIM *S NO NEB,PAIR=IC431,R=P		
96	SH2	235	Aur	Brn Nebula E	
Oct 18 2023	36"	17mmT4	(Lb 2),DIF,EF,VS,JUST A HINT OF NEB AM A FEW F*S,RICH * FOV,(3:11am),R=P		
98	NGC	2024	Ori	H28-5	Brn Nebula E
Mar 04 2021	36"	31mmT5	(Lb 1),DIF,MB,EL,W/OIII,KEEP B* OUT OF FOV,L AREAS OF PATCHY NEB,SOME AREAS BKN WITH DARK LANES,EDGES NOT DEF,(9:11pm),R=G		IRR,B,VVL,BLACKSPINC
Jan 24 2004	31"	24mmTP	DIF,MF,EL,SVRL FOV'S,WITH OIII,PATCHY AREAS,R=F		
Aug 21 1982	12.5"	24mm	PF,EL,DARK DUST LANES DET,BREAKS H2 RGN APART,~SAME SIZE AS HELIX		
Dec 03 1980	12.5"	24mm			
Oct 31 1980	12.5"	24mm			
Sep 18 1980	12.5"	24mm	CRACKS IN NEB DET,GREAT!!		
99	NGC	2064	Ori	Brn Nebula R	EF,VS,*9,10NP4'
Mar 04 2021	36"	31mmT5	(Lb 1),DIF,MS,PS,W/OIII,S PATCHY NEB SUR *,EDGES NOT DEF,CLOSE TO OTHERS,(9:16pm),R=F		
Feb 21 2006	31"	31mmT5	EDIF,EF,MS,PATCH,AV,CLOSE TO M78,TRIED BOTH FILTERS,HINT OF NEB DET WITH OIII,R=		
100	NGC	2068	Ori	M78	Brn Nebula R
Mar 04 2021	36"	31mmT5	(Lb 1),M78,DIF,VB,VL,W/OIII,2 B*S IN NEB,OVAL,SMOOTH AND UNIFORM,EDGES FADE AWAY,OTHERS CLOSE,(9:16pm),R=GE		B,L,WISP,GMBN,3*INV
Mar 08 2013	36"	17mmT4	MESSIER MARATHON 2013		
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004		
Mar 02 1984	10"	20mm	SAME,ONE EDGE WELL DEFINED		
Mar 27 1982	12.5"	24mm	MF,PL,LOCATED IN BARREN * FIELD,2F*S IN CNTR		
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981		
Oct 31 1980	12.5"	24mm			
Oct 29 1980	8"	24mm			
Sep 10 1980	12.5"	24mm			
Sep 09 1980	12.5"	24mm			
Aug 22 1980	12.5"	24mm			
101	NGC	2071	Ori	H36-4	Brn Nebula R
Mar 04 2021	36"	31mmT5	(Lb 4),DIF,VF,MS,W/OIII,S SMOOTH PATCHY NEB SUR * REACHES TO B* CLOSE BY,EDGES NOT WELL DEF,(9:25pm),R=F		D*10\$14 W/VF,L CHEV
Feb 21 2006	31"	31mmT5	MF,MS,PATCH,NEB DET SUR B*,B* APPEARS AS CLOSE DBL WITH F*,R=F		
Oct 05 2002	12.5"	25mm	PBPL,DIF NEB,B* TO EDGE OF NEB,CLOSE TO M78		
102	SH2	276	Ori	H35-5	Brn Nebula E
Nov 13 2020	36"	55mm	DIF,SCANNED SVRL DEGREES WITH AND WITHOUT OIII,NOTHING DET,(3:15am),R=P		
103	NGC	2149	Mon	Brn Nebula R	F,*12INV
Mar 04 2021	36"	31mmT5	(Lb 4),DIF,VF,VS,W/OIII,PATCH SUR F*,EASILY DET W/O OIII,BEST IN 17MM W/O OIII,(9:37pm),R=PF		
Mar 18 2007	31"	17mmT4	PB,PL,SHISB,B* WITH LOTS OF PATCHY NEB,OIII DOESNOT HELP MUCH,R=G		
104	NGC	2170	Mon	H19-4	Brn Nebula R
Mar 04 2021	36"	31mmT5	(Lb 1),DIF,PB,MS,OVAL PATCH SUR *,SOME GRAN,W/OIII,MUCH BTR,EDGES SMWHT DEF,OVAL,FEW VF*S NEXT TO NEB,(9:45pm),R=FG		*9 INVF,PL,NEB,E170
Oct 05 2002	12.5"	9mmT6	PB,ML,B NEB SUR B*,NEB MHISB		

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105 NGC	2163	Ori	Brt Nebula bipolar	EF,E,DIF,*11ATT S
Mar 05 2021	36"	17mmT4	(Lb 2),DIF,MF,PS,UHC BET THAN OIII,MORE NEB DET,B* WITH RECTANGLE LIKE NEB,EDGES SMWHT DET WITH AV,(9:01pm),R=F	
Nov 22 2006	12.5"	12mmT4	DIF,PB,PS,* WITH NEB SUR IT,SMWHT GREENISH,OIII DOESNOT HELP,R=G	
106 NGC	2182	Mon	H38-4 Brt Nebula R	PB**,L*NEB,E90
Mar 04 2021	36"	31mmT5	(Lb 1),DIF,MB,PS,W/OIII,LIKE B BLUE PL NEB SUR BY NEB,PATCH,SMWHT GRAN,VF*'S IN EDGE OF NEB,(9:55pm),R=F	
Nov 24 2006	12.5"	17mmT4	DIF,MF,VS,VF* WITH FT AREA OF NEB,OIII DOES NOT HELP,R=F	
Oct 05 2002	12.5"	9mmT6	SUSP ONLY,F* OFF TO ONE SIDE,LOC GOOD	
107 NGC	2174	Ori	Brt Nebula E	EF,BET3VF*
Mar 05 2021	36"	31mmT5	(Lb 1),DIF,MB,EEL,BEST IN OIII,RICH * FIELDS,BTEST PART S OF B* IN NEB,SLEW 2-3 FOV'S,PATCHES,WISPS,SOME EDGES DET,(9:13pm),R=G	
Feb 21 2006	31"	31mmT5	DIF,PB,EL,SOME NEB DET SUR CNTR AREA,PATCH OF NEB DET OUTER RGN	
Feb 21 2006	31"	31mmT5	W/OIII,AWSOME,PERFECT FOR OBJ,MUCH MORE NEB,PATCHES,DARK AREAS,SCAN FOV,R=E	
108 NGC	2183	Mon	Brt Nebula R	EF,S,LE,*11,12SP
Mar 04 2021	36"	17mmT4	(Lb 3),DIF,VF,VS,W/O OIII,VF* WITH NEB PATCH,EDGES NOT DET,OIII NO DOESNOT HELP,BEST IN 31MM W/O OIII,N2185 CLOSE,(10:08pm),R=F	
Nov 24 2006	12.5"	17mmT4	DIF,VF,VS,SLT NEB DET AMONG *S,PAIR=2185,R=P	
109 NGC	2185	Mon	H20-4 Brt Nebula R	*11\$4S*IN VF,L,NEB
Mar 04 2021	36"	17mmT4	(Lb 3),DIF,MF,VS,W/O OIII,PATCH SUR *,OIII DOES NOT HELP MUCH,BEST IN 31MM W/O OIII,N2183 CLOSE,(10:04pm),R=PF	
Nov 24 2006	12.5"	17mmT4	DIF,MF,VS,S PATCH OF NEB SUR *,PAIR=2183OIII DOES NOT HELP,R=F	
Aug 21 1982	12.5"	24mm	MB,PS,B* JUST TO S,R,GBM,B CNTR RGN	
110 SH2	254	Ori	Brt Nebula E	
Mar 05 2021	36"	31mmT5	(Lb 3),DIF,VF,ML,W/OIII,SUR 5*'S IN 'V' SHAPE,BARELY DET WITH UHC,OIII SMWHT BTR,OVAL,PATCH,NO EDGES,4 OTHERS CLOSE BY,(9:43pm),R=P	
Feb 21 2006	31"	31mmT5	W/OIII,LOC GOOD,DID NOT FIND,R=P	
111 SH2	256	Ori	Brt Nebula	
Mar 05 2021	36"	31mmT5	(Lb 6),DIF,EF,VS,W/OIII,JUST OFF EDGE OF SH2-257,AV,SUSP,4 OTHERS CLOSE BY,(9:30pm),R=P	
Feb 21 2006	31"	31mmT5	EDIF,W/OIII,EF,VS,PATCH,AV,VS PATCH DET WITH AV,SIM TO SH2-258,R=P	
112 SH2	257	Ori	Brt Nebula E	
Mar 05 2021	36"	31mmT5	(Lb 6),DIF,PF,VS,W/OIII,BLUEISH * WITH FT NEB SURNO EDGES DET,4 OTHERS CLOSE BY,(9:28pm),R=F,	
Feb 21 2006	31"	31mmT5	W/OIII,PF,ML,F BG GLOW DET SUR S GRP OF F*'S,R=F	
113 IC	2162	Ori	Brt Nebula E	
Feb 21 2006	31"	31mmT5	MB,PL,PATCH,NEB DET SUR CNTR *,R=F	
Feb 21 2006	31"	31mmT5	W/OIII,PB,PL,SLT MORE NEB DET,MHISB,PAIRS=SH2'S,R=G	
114 SH2	258	Ori	Brt Nebula	
Mar 05 2021	36"	31mmT5	(Lb 6),DIF,EF,ES,W/OIII,2 F*'S AND OBJ MAKE A TRI,NEB SUSP,AV,*S SUR NEB ALM TOUCH,4 OTHERS CLOSE BY,(9:39pm),R=P	
Feb 21 2006	31"	31mmT5	VDIF,W/OIII,VF,VS,PATCH,AV,S PATCH DET CLOSE TO *,AV FIRST THEN HOLDS,R=P	
115 IC	443	Gem	Brt Nebula E	
Mar 06 2021	36"	31mmT5	(Lb 2),DIF,MF,VL,W/OIII,SW PART BTR AND EASILY DET,EDGES DET HERE,FILLS IN FOV,F PATCHES SURFINE FILAMENTS,WISPS,NEB PATCHES THROUGH FOV,(9:00pm),R=FG	
Jan 24 2004	31"	24mmTP	DIF,PF,VL,PATCH,UB,PATCHY AREA DET,SNR,R=F	
116 IC	444	Gem	Brt Nebula R	

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116 IC	444	Gem	Brn Nebula R	
Mar 06 2021	36"	31mmT5	(Lb 3),DIF,PF,EEL,W/OIII,2-3 FOV'S,DARK VEIN IN CNTR DET,AREAS OF PATCHY NEB THROT FOV'S,EDGES NOT WELL DEFINED,(9:10pm),R=F	
Jan 24 2004	31"	24mmTP	DIF,VF,EL,UB,SVRL FOV'S,SOME PATCH AREAS DET,R=P	
117 IC	2169	Mon	Brn Nebula R	
Mar 05 2021	36"	31mmT5	(Lb 4),DIF,VF,EL,W/UHC,NEB DET SUR *S IN THE AREA,SOME PATCHES DET WITH AV,CR 95 INSIDE IC2169,WHO IS WHO,OIII DOES NOT HELP,(9:54pm),R=P	
Mar 18 2007	31"	31mmT5	MF,EL,W/OIII,FILLS FOV,NEB PATCHES ALM LOOSE CL,=CR95,R=G	
118 NGC	2237	Mon	Brn Nebula E	PB,VVL,DIF,(2238)
Nov 13 2020	36"	31mmT5	(Lb 1),DIF,VB,EEEL,W/OIII,VB PATCHES,DARK AREAS,DEF EDGES SOME AREAS,FINE DETAIL WHEN SCANNING,N2244 IN LBN,(3:54am),R=GE	
Mar 18 2007	31"	31mmT5	VB,EEL,HISB,W/OIII,4-5 FOV'S,SCAN AREA,PATCHY,DUST,DISTINCT FEATURES,R=E	
Oct 31 1980	12.5"	24mm		
119 NGC	2245	Mon	H3-4 Brn Nebula R	PL,COM,MBN SFALM*
Mar 05 2021	36"	31mmT5	(Lb 1),DIF,MB,MS,W/UHC,* ON EDGE,NEB 'U' SHAPED,SOME GRAN,OIII DARKENS FOV,F* IN EDGE BTR,N2247 CLOSE,(10:00pm),R=FG	
Oct 05 2002	12.5"	9mmT6	PB,PL,DIF NUBULA,CLOSE TO A B*,NEB OFF SET FROM *,MHISB	
120 NGC	2247	Mon	Brn Nebula R	NEB*IN EF,EL NEBY
Mar 05 2021	36"	31mmT5	(Lb 1),DIF,MB,MS,W/UHC,* IN CNTR OF PATCH OF NEB,GRAN,SLT L THAN N2245,EDGES FADE AWAY,OIII,CNTR RGN BTR,(10:01pm),R=FG	
Oct 05 2002	12.5"	9mmT6	PB,MS,DIF NEB AOURND B*,MHISB	
121 SH2	280	Mon	Brn Nebula E	
Mar 05 2021	36"	31mmT5	(Lb 6),DIF,EF,W/OIII,JUST A HINT OF NEB SUR A B* IN FOV,UHC NOT MUCH BTR,(10:11pm),R=P	
122 SH2	273	Mon	Brn Nebula E	
Mar 05 2021	36"	31mmT5	(Lb 1-4),DIF,VF,EEEL,W/OIII,SEV FOV'S,SLEW,SOME AREAS HAVE DARK AREAS (SUR B39),BTEST PART SUR OPCL N2264,NEB PATCHES & WISPS DET,GRAN IN SPOTS,(10:20pm),R=PF	
123 SH2	282	Mon	Brn Nebula E	
Mar 05 2021	36"	31mmT5	(Lb 6),DIF,W/OIII,NO FIND,LOC GOOD,(10:30pm),R=P	
Mar 18 2007	31"	31mmT5	MF,EEL,W/OIII,4-5 FOV'S,SCAN,SVRL AREAS OF NEB DET,DISTINCT SHAPES,R=G	
124 NGC	2261	Mon	H2-4 Brn Nebula E+R	B,VME330,N COM=*11
Mar 04 2021	36"	17mmT4	(Lb 1),DIF,VB,VL,W/OIII,NEB MORE DETAILED,GRAN,(10:25pm),R=E	
Mar 04 2021	36"	31mmT5	(Lb 1),DIF,VB,ML,W/O OIII,V SHARP 'V' SHAPE WITH BGN/BL * AT POINT,BEST VIEW TO DATE,SOFT DET IN NEB,TAIL FADES AWAY,(10:23pm),R=EE	
Oct 05 2002	12.5"	9mmT6	PB,ML,TRIANGLE SHAPE,F* AT HEAD,COMET LIKE,NEB UB,MHISB	
Oct 31 1980	12.5"	24mm		
Sep 10 1980	12.5"	24mm	COMET LIKE APP,NICE	
125 SH2	292	Mon	Brn Nebula E+R	
Mar 05 2021	36"	31mmT5	(Lb 5),DIF,EF,MS,W/OIII,VF PATCH DET WITH AV JUST S OF B*,(10:45pm),R=P	
Mar 04 2021	36"	31mmT5	(Lb 2),DIF,PB,EEL,W/OIII,SVRL FOV'S,PATCHY AREAS,DARK LANE STR IN CNTR BY B*,EDGES FADE,(10:36pm),F=G	
126 IC	2177	Mon	Brn Nebula E	
Mar 05 2021	36"	31mmT5	(Lb 3),DIF,EF,EEEL,W/OIII,5-7 FOV'S,SLEW AREA,SOME F PATCHES DET HERE AND THERE,(10:54pm),R=P	
Mar 18 2007	31"	31mmT5	DIF,MF,EEL,W/OIII,10-15 FOV'S,E L AREA OF NEB WITH OC'S WITHIN,SCAN,R=F	
127 NGC	2359	CMA	H21-5 Brn Nebula E	VF,VVL,VIF

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127 NGC	2359	CMa	H21-5	Brt Nebula E	VF,VVL,VIF
Mar 04 2021 36"	31mmT5	(Lb 2),DIF,VB,VL,W/OIII,WELL PLACED IN FOV,EDGES DEF IN PARTS FADE AWAY IN OTHERS,B AREAS HERE AND THERE,OIII HELPS A LOT,IN CNTR OF IC 468,(10:40pm),R=EE			
Dec 28 2008 31"	31mmT5	PB,EL,W/OIII,FINE DETAIL THROT,B AREAS,B EDGES,BRIDGES,BEST EVER,R=E			
Dec 19 2006 31"	31mmT5	DIF,MF,EL-OVAL,L PATCHY AREAS OF NEB SC ALM *S,PAIR=IC468,R=G			
Dec 19 2006 31"	31mmT5	W/OIII,DIF,MB,VL,OVAL,HISB,B PATCHES,FILAMENTS,FILTER HELPS GREATLY,AWSOME,R=E			
Nov 21 2006 12.5"	12mmT4	DIF,VB,VL,W/OIII,PATCHY,WISPS OF ARMS,SPR SHAPE,B AREAS DET,R=E			
128 IC	468	CMa		Brt Nebula E	
Mar 04 2021 36"	31mmT5	(Lb 3),DIF,VB,PL,W/OIII,4-5 TENTACLES SUR N2359,N2359 IN CNTER,N TENTACLE BTR,(10:41pm),R=E			
Dec 28 2008 31"	31mmT5	PB,EEL,W/OIII,SPIDER LIKE LEGS,B AREAS,LOBS OF BG NEB,BEDGE/RIDGES,BEST,R=E			
Dec 19 2006 31"	31mmT5	W/OIII,DIF,MB,EL,MHISB,SPIDER FILAMENTS SPRING FROM 2359,SVRL FOV'S,OIII FILTER HELPS OUT GREATLY,AWSOME DETAIL,PAIR=2359,R=E			
129 SH2	302	Pup		Brt Nebula E	
Mar 04 2021 36"	31mmT5	(Lb 5),DIF,VF,VL,W/OIII,SLT HINT OF NEB W OB BOCHUM 5,SUR BOCHUM 5,(10:50pm),R=P			
130 SH2	307	Pup		Brt Nebula E	
Mar 03 2021 36"	17mmT4	(Lb 3),W/OIII,VF,ES,PATCH,B CNTR OR F*,F NEB SUR BM,NEB NOT DET W/O OIII,(10:30pm),R=P			
131 SH2	311	Pup		Brt Nebula E	
Mar 03 2021 36"	17mmT4	(Lb 1),W/OIII,MB,ML,FILTER HELPS A LOT,NEB BTR,WELL PLACED,BKN PATCHES,SUR N2467,(10:10pm),R=G			
Nov 24 2006 12.5"	12mmT4	DIF,PB,PL,W/OIII,PATCHY,DARK AREAS,CNTR *,B AREAS,PAIRS=2467/LBN1066,R=G			
Nov 21 2006 12.5"	12mmT4	DIF,PB,VL,OVAL-R,BNUB,MHISB,PATCHY IN AREAS,PAIR=2467,R=E			
150 IC	4592	Sco		Brt Nebula R	
May 12 2021 36"	31mmT5	(Lb 3),VB,VL,NEB DET W/OIII,BLUEISH GREEN NEB SUR B**,PATCHY,(12:38am),R=F			
May 12 2021 36"	55mm	(Lb 2),DIF,VB,EL,OIII HELPS,BEST PARTS SUR B**,F PATCH AREAS,NOT WELL DEF,EDGES FADE,(12:30am),R=F			
153 SH2	9	Sco		Brt Nebula E+R	
May 12 2021 36"	31mmT5	(Lb 5),DIF,EF,W/OIII,NEB BARELY DET NE EDGE,NO NEB W/O FILTER,PATCHY,EDGE NOT DEFINED,(12:44am),R=P			
155 IC	4603	Oph		Brt Nebula R	
May 12 2021 36"	55mm	(Lb 4),EF,VL,W/OIII,S PATCH NEB DET SUR ** SE SIDE,EDGES FADE,W/O FILTER NO NEB,(12:52am),R=P			
Jun 19 2004 31"	17mmT4	DIF,WITH OIII IN FINDER,SLT HINT OF NEB,2 B*S IN CNTER,NEB SUSP IN 25MM,R=P			
156 IC	4604	Oph		Brt Nebula R	
May 12 2021 36"	55mm	(Lb 4),DIF,EF,VL,W/OIII,SL BTR THAN IC4603,NEB DET SUR TRI *S,EDGES NOT WELL DEF,(12:59am),R=PF			
Jun 19 2004 31"	17mmT4	DIF,EF,EL,WITH OIII IN FINDER,SLT HINT OF NEB,3 B*S IN CNTER,R=P			
160 NGC	6357	Sco		Brt Nebula E	F,L,E,VGLBM,D*INV
May 13 2021 36"	31mmT5	(Lb 1 & Lb 4),SCAN,2-3 FOV,VF PATCHY NEB GLOW,NW OF B* IN CNTR IS B EL NEB PATCH,STANDS OUT WELL IN OIII,(2:20am),R=F			
162 SH2	16	Sgr		Brt Nebula E	
May 13 2021 36"	31mmT5	(Lb 2),DIF,VF,VL,CR347 IN NEB,W/OIII,VF PATCHS OF NEB DET,EDGES HARD TO DET,BTEST PART N OF CR347,(2:30am),R=F			
May 12 2021 36"	55mm	(Lb 3),DIF,VF,MS,F PATCHY NEB ALM CR347,(3:12am),R=P			
163 NGC	6514	Sgr	M20 H41-4	Brt Nebula EN+OC	VB,VL,TRIFID,D*INV
May 13 2021 36"	31mmT5	(Lb 1),EB,EEL,BOTH NEB PARTS EASILY DET,RIFTS,EDGES DEF IN DARK AREAS,W/OIII, FILLS FOV,BEST TO DATE,REDDISH COLOR,DARK LANES,(2:40am),R=EE			

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163 NGC	6514	Sgr	M20 H41-4	Brt Nebula E+OC	VB,VL,TRIFID,D*INV
Sep 11 2012 36"	31mmT5	EB,EL,W/OIII NICE D* IN CL,BKN PARTS,DARK LANES,BLUEISH GREEN ONE HALF,OTHER REDDISH AND FTR,NEB FILLS FOV,OIII GIVES MORE DETAIL IN NEB,WO/OIII,NEB FTR,D* APPEARS BLUEISH,R=EE			
Mar 22 2004 12.5"	12mmT4	MESSIER MARATHON 2004			
Sep 20 1984 12.5"	24mm	SAME,TRIFID NEB			
Aug 13 1982 12.5"	24mm	MB,VL,DUST LANES EASILY DET,B DBL * IN CNTER,BOTH PARTS DET			
Sep 20 1981 12.5"	24mm				
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981			
Sep 10 1980 12.5"	24mm				
Jul 17 1980 12.5"	24mm				
Jul 15 1980 12.5"	32mm	GREAT!~,DBL * IS IN CNTR OF NEB			
Jun 18 1980 12.5"	24mm				
Jun 10 1980 6"	24mm				
May 07 1980 5"	9mm				
164 NGC	6523	Sgr	M8 H13-5	Brt Nebula E	VB,EL,EIF,W/LCL
May 12 2021 36"	31mmT5	(Lb 1),BEST VIEW TO DATE,REDDISH COLOR DET,W/O FILTER DARK LANE THROT M8,W/OIII,EDGES DEF,DETAIL BEYOND DESC,2-3 FOV'S OF PATCHY NEB,PINKISH-RED COLOR,(3:45am),R=EEE			
May 12 2021 36"	55mm	(Lb 1),EB,EEL,W/OIII,B PATCHES OF NEB,DARK LANES,WISPS,EDGES WELL DEF IN PARTS,SUR N6530,SEV FOV'S,(3:40am),R=EE			
Sep 11 2012 36"	31mmT5	EB,EEL,HISB,W/OIII, 2XFOV,SOFT FILIMENTS GAS VAR B,DARK DUST THROUGH CNTER,~20* SIM MAG OFF SIDE,OIII HELPS GREATLY,MUCH MORE DETAIL,R=EE			
Mar 22 2004 12.5"	12mmT4	MESSIER MARATHON 2004			
Sep 20 1984 12.5"	16mm	VB,VL,LAGOON NEB,DARK PATCH ALL WAY THROUGH,B AREAS OF NEB ONE SIDE			
Sep 20 1981 12.5"	24mm				
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981			
Sep 10 1980 12.5"	24mm				
Sep 03 1980 12.5"	24mm				
Jul 17 1980 12.5"	24mm				
Jul 15 1980 12.5"	24mm				
Jun 10 1980 6"	24mm				
May 07 1980 5"	9mm				
165 SH2	46	Ser	Brt Nebula E		
May 13 2021 36"	31mmT5	(lb 3),DIF,VF,VL,W/OIII,VF GLOW OF NEB DET,FILLS FOV,EDGES NOT DEF,NICE SAGITTA ASTERISM IN CNTR(2:50am),R=P			
166 IC	1274	Sgr	Brt Nebula E		
May 13 2021 36"	31mmT5	(Lb 2),DIF,PF,PL,W/OIII,PATCHY AREASOF NEB DET,NO EDGES DEF,CANNOT DET BOUNDARIES WITH IC1275,(3:06am),R=F			
167 NGC	6559	Sgr	Brt Nebula E		
May 13 2021 36"	31mmT5	(Lb 3),DIF,VF,ML,W/OIII,NEB PATCHS,6* GRP TGT,BTEST PART SUR PAIR OF *S,EDGES NOT WELL DEF,(3:00am),R=F			
168 NGC	6589	Sgr	Brt Nebula R		
Jun 23 2022 36"	17mmT4	(Lb 2),DIF,MF,ML,OIII NO HELP,VF*S IN NEB,PATCHY,B* IN MID OF NEB,B NEB DET AWAY FROM *,(1:17am),R=F			
Sep 12 2007 31"	31mmT5	VB,VL,AREA OF NEB WITH B* IN ONE SIDE,OIII DOESNOT HELP MUCH,PAIRS=NGC'S/IC,R=G			
169 NGC	6590	Sgr	Brt Nebula R		
Jun 23 2022 36"	17mmT4	(Lb 2),DIF,MB,PL,MHISB,BKN PATCHY NEB DET,2*S IN MID OF NEB,PATCH FADES INTO FOV,O111 NO GOOD,(1:11am),R=G			

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169 NGC	6590	Sgr	Brn Nebula R	D*CENTRE PF,PL,RNEBY
Sep 12 2007	31"	31mmT5	VB,VL,3*S WITH NEB SURNEB FTR FURTHER FROM *S,PAIRS=NGC'S/IC,R=G	
170 IC	1283	Sgr	Brn Nebula E+R	
Jun 23 2022	36"	31mmT5	(Lb 2),DIF,MB,VL,B * IN MID,MHISB,NEB AM **S,RICH FOV,L PATCHY AREA, BKN PARTS,ALM FILLS FOV,OIII HELPS SMWHT,BKN PARTS OF NEB DET EASILY,(1:25am),R=F	
Sep 12 2007	31"	31mmT5	PF,EEL,SCAN SVRL FOV'S,NEB SUR BTR * IN RGN,BTR W/OIII,R=P	
Sep 12 2007	31"	31mmT5	W/OIII,MB,EEL,SCAN SVRL FOV'S,PATCHY NEB AREAS DET,R=F	
171 IC	4703	Ser	Brn Nebula E	
Jun 23 2022	36"	31mmT5	(Lb 1),VB,EEL,SVRL FOV'S,BEST PART JUST E OF OC N6611.L AREA NEB,NO BKN PARTS,W/OIII,EXCEL,BKN PARTS,DUST,OC INSIDE ON NEB,PATCHES VAR PLACES,(1:30am),R=E	
172 SH2	54	Ser	Brn Nebula E	
Jun 23 2022	36"	31mmT5	(Lb 3),DEFF,MB,EEL,10-20 FOV'S,SUR OC N6604,NEB ALM UB,NOT MUCH DETAIL,W/OIII,BETTER,PATCHES OF BKN NEB DET,(1:35zm),R=F	
173 NGC	6618	Sgr M17	Brn Nebula EN+OC	B,EL,EIF,2HOOKED
Jun 23 2022	36"	31mmT5	(Lb 1),EB,EEL,2 FOV'S,AWESOME,BEST TODATE,HINTS OF REDDISH/GREEN AREAS,W/OIII, BEST, BTR DARKER NEB,BKN,DUST,HISB IN PARTS,WHISPS FADED AWAY GRAD,(1:42am),R=EEE	
Sep 11 2012	36"	31mmT5	EB,EEL,VHISB,W/OIII,ABSOL AWESOME,CAN MAKE OUT THE SWAN IN DETAIL,BODY FT WISPS OF GAS WITH V FINE DETAIL,LOOKS LIKE FEATHERS,WELL POSITIONED IN FOV,OIII HELPS GREATLY,AREA UNDER NECK AND V DARK,R=EEE	
Mar 22 2004	12.5"	12mmT4	MESSIER MARATHON 2004	
Sep 21 1984	12.5"	24mm	EB,VL,OMEGA NEB,CRACKS DET,DARK CLOUD DET IN W EDGE,FINE FILAMENTS OF NEB	
Sep 20 1981	12.5"	24mm		
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981	
Sep 10 1980	12.5"	24mm		
Sep 03 1980	12.5"	24mm		
Jul 17 1980	12.5"	24mm		
Jul 15 1980	12.5"	24mm	NICE!!,NEB FILTER SHOWS QUESTION MARK EASILY	
Jun 17 1980	12.5"	24mm		
Jun 10 1980	6"	24mm		
174 IC	1287	Sct	Brn Nebula R	
Jun 23 2022	36"	31mmT5	(Lb 2),DIF,MF,MS,NICE BLUE/YELLOW DBL * IN NEB,BTEST PART SUR **,OIII DOES NOT HELP MUCH,NEB VF AWAY FROM **, (1:45am),R=F	
Sep 05 2007	31"	31mmT5	W/OIII,EF,EL,NEB DET SUR BTR *,SOME NEB SUSP FURTHER OUT,OIII HELPS,R=F	
175 SH2	64	Ser	Brn Nebula E	
Jun 23 2022	36"	31mmT5	(Lb 3),DIF,VF,EEL,~2 FOV'S,UNIFORM F BG OF NEB,W/OIII,SCAN AREA,SOME PATCHES NEB DET,(1:52am),R=P	
176 SH2	55	Sct	Brn Nebula E	
Jun 23 2022	36"	17mmT4	(Lb 4),DIF,EF,PS,LOC GOOD,MAYBE SOME NEB WITH AV,W/OIII,FT NEB DET AROUND DBL *,(2:04am),R=P	
177 SH2	82	Sge	Brn Nebula E+R	
Jun 23 2022	36"	17mmT4	(Lb 3),DIF,MF,PS,KEEP B* OUT OF FOV,VF PATCH DET,W/OIII,PATCHY AREA NEB AROUND 2*S IN FOV,VF,(2:23am),R=PF	
178 NGC	6820	Vul	Brn Nebula E	F,S,R,BM
Jun 23 2022	36"	31mmT5	(Lb 3),DIF,MF,EEL,SUR OC N6823,FILLS FOV,PATCHY NEB AREAS DET,W/OIII,BETTER,PATCHY AREAS EASILY DET SCAN ACROSS FOV,(2:35am),R=PF	
Jun 27 2003	12.5"	9mmT6	VDIF,EF,EL,F BG GLOW DET,DARK AREA SUSP,BTR WITH OIII,PAIR=6823,R=P	

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179 SH2	90	Vul	Brn Nebula E	
Jun 23 2022	36"	17mmT4	(Lb 3),DIF,VF,ML,HINT OF NEB DET,LOC GOOD,W/OIII SMWHT MORE NEB DET,STILL VF,FOV SMWHT BARREN,(2:46am),R=P	
180 IC	4954	Vul	Brn Nebula R	
Jun 23 2022	36"	17mmT4	(Lb 2),DIF,MB,ML,SUR oc Rosland 4.NEB BKN IN 2 PARTS N-S,W/OIII, DOESNOT HELP,NEB MOSTLY ARND OC *S,(2:54am),R=F	
Sep 11 2004	31"	17mmT4	DIF,SHISB,AREA OF NEB SUR *,B NEB,BTR W/O OIII,PAIR=ROSLUND4,R=G	
181 NGC	6888	Cyg	H72-4 Brn Nebula E	F,VL,VME,**ATT
Jun 23 2022	36"	31mmT5	(Lb 1DIF,EB,EL,V RICH FOV,CRESCENT EASILY DET,EPSILON SYM,3 B*S IN NEB,NICE DBL * IN NEB,B PATCHES EL,W/OIII,EXCEL,FILLIMENTS,DUST,HINTS OF COLOR,HISB AREAS,MUCH DET,(3:04am),R=GE	
Sep 19 2012	36"	31mmT5	VB,W/OIII,WELL PLACED IN FOV,2 DISTINCT HALVES,ONE BTR THAN OTHER,L LOBS,E DETAIL,AMAZING,R=EE	
Sep 04 2002	12.5"	25mm	PB,PL,B NEB,2B*S WITH GLOW OF NEB BET AND SUR **S	
Sep 04 2002	12.5"	32mm	NEB EASILY DET	
182 DWB	111	Cyg	Brn Nebula E	
Jun 23 2022	36"	31mmT5	(Lb 3),DIF,EF,EL,LOC WITH RA/DEC,OIII DOESNOT HELP,CAN JUST BARELY MAKE OUT F NEB.FOLLOW PROPELLER SHAPE,FILLS FOV,(3:18am),R=P	
183 SH2	104	Cyg	Brn Nebula E	
Sep 06 2023	36"	12mmT4	(Lb 2),DIF,PB,MS,GRAN NEB,EDGES NOT DEF,FADES OFF,(10:30pm),R=G	
184 IC	1318	Cyg	Brn Nebula E	
Sep 06 2023	12.5"	31mmT5	(Lb 2),DIF,PB,EL,(FIRST PART),NEB EASILY DET,MORE NEB ARND *S,DARK AREAS BET PATCHES,SCAN AREA,NEB FADES,Oiii DOES NOT HELP,(9:00pm),R=EE	
Sep 06 2023	36"	17mmT4	(Lb 2),DIF,PB,VL,(SECOND PART),BKN IN 2 L PARTS,FITS FOV NICELY,NEB EASILY DET,V RICH * FOV,OIII DOES NOT HELP,EDGES NOT DEF,B347 DET EASILY,(9:40PM),R=EE	
Sep 11 2004	31"	25mm	VDIF,VF,EL,W/OIII,SVRL FOV'S,SCAN AREA,NEB DET,R=F	
185 SH2	115	Cyg	Brn Nebula E	
Sep 06 2023	36"	12mmT4	(Lb 2),DIF,KPB,VL,2 DET AREAS OF NEB,BTEST ARND BTR *,GRAN,BKN,FADES,OIII NO GOOD,BERK 90 ASSOC,(10:41pm),R=GE	
186 NGC	6960	Cyg	H15-5 Brn Nebula E	PB,CL,EIF,KAPPACYGIN
Sep 06 2023	12.5"	31mmT5	(Lb 1),DIF,VB,EEL,W VEIL SNR,SEE 31" DESC PREVIOUSLY,SVRL FOV'S,FINE WISPS,FILAMENTS,W/OIII,AWESOME,MORE NEB DET,SOFT EDGES,SMWHT BG COLOR,DARK AREAS,(10:53pm),R=EEE	
Sep 26 2019	36"	17mmT4	W/OIII,EB,EEEL,HISB,5 FOV'S,START AT E MOST PART,NEON LIGHT LIKE,STRANDS,EDGES VB,TWISTED ROPE,BEST TO DATE,VIEWED THE OTHER NON-IDENTIFIED AREAS LISTED IN MEGASTAR,SOME WERE VF AND S BUT DET,SOME VB AND VL,HISB,R=EEE	
Sep 04 2002	12.5"	32mm	PB,EL,SNR,WHIPS ON BOTH SIDES OF B* EASILY DET,PARTS OF SNR HAVE HISB	
187 IC	5068B	Cyg	Brn Nebula E	
Sep 06 2023	12.5"	31mmT5	(Lb 1),DIF,PB,VL,GRAN NEB ARND B *S,NICE FOV,PATCHY BKN NEB,FADES AWAY,OIII NO GOOD,PAIR=IC5068,(11:09pm),R=G	
188 IC	5068	Cyg	Brn Nebula E	
Sep 06 2023	12.5"	31mmT5	(Lb 1),DIF,PB,VL,GRAN NEB ARND B *S,NICE FOV,PATCHY BKN NEB,FADES AWAY,OIII NO GOOD,PAIR=IC5068B,(11:06pm),R=G	
Sep 18 2004	31"	25mm	VDIF,EF,EL,SVRL FOV'S,SCAN AREA,VF NEB PATCHES DET,R=P	
189 NGC	6979	Cyg	H206-2 Brn Nebula EN	NEB*,NEBY CE PF
Sep 06 2023	12.5"	31mmT5	(Lb 2),DIF,VF,ML,FITS IN FOV,V RICH * FOV,SLT DET OF NEB,W/OIII FT NEB DET,OUTLINE MATCHES MEGASTAR,(11:17pm),R=FG	
Sep 26 2019	36"	17mmT4	W/OIII,VB,VL,HISB,2-3 FOV'S,NOT AS STRING LIKE AS VEAL,NO NEON FILIMENTS,CHUNKY,PATCHY WITH HISB PARTS,R=EEE	
Sep 11 2004	31"	17mmT4	EDIF,VF,EL,SNR,DET NEB MORE ON N EDGE THAN S,R=F	

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190 IC	5067	Cyg	Brn Nebula EN
Sep 06 2023	12.5"	31mmT5	(Lb 1),DIF,VB,EEL,2-3 FOV'S,SCAN REVEALS VAR PATCHES OF FINE NEB,BKN PARTS,BTR PARTS CONC TO B *S,W/OIII,NEB EASIER TO DET,FTR PATCHES ISOLATED IN AREAS,F SOFT PATCHES,(11:30pm),R=E
Sep 19 2012	36"	31mmT5	VB,W/OIII,LOC NEXT TO NA NEB,RICH * FOV'S AND NEB DETAIL,ABLE TO SLEW AND TRACE OUTLINE,GOOD CONTRAST,R=E
Sep 18 2004	31"	25mm	EDIF,EF,EL,SVRL FOV'S,SCAN AREA,NEB PATCHES DET,R=P
191 NGC	6974	Cyg	Brn Nebula E
Sep 06 2023	12.5"	31mmT5	(Lb 2),DIF,MB,ML,Pickering's Triangular Wisp,DET IN OIII ONLY,SMWHT ELONG TRI SHAPE,SLT W&S OF N6979,(11:20pm),R=GE
193 NGC	6992	Cyg	H14-5 Brn Nebula E EF,EL,EE,EIF,BIFID
Sep 06 2023	12.5"	31mmT5	(Lb 1),DIF,VF,EEL,2 FOV'S,EASTERN VIEL SNR,EASY TO FOLLOW NEB,PATCHY,WISPS,BKN AREAS,W/OIII,FTR DET DET,SEE PREVIOUS 31" DESC,(11:41pm),R=EEE
Sep 26 2019	36"	17mmT4	W/OIII,EB,EEL,HISB,5 FOV'S,LOOKS MUCH LIKE 6960,B FILIMENTS,STRANDS,STRINGY ROPES V HISB,BNEON GLOW,R=EEEE
Sep 04 2002	12.5"	32mm	VB,EEL,SNR,HISB,ARC GOES 2 FOV'S
195 NGC	7000	Cyg	H37-5 Brn Nebula E F,EEL,DIF NEBULOSITY
Sep 06 2023	12.5"	31mmT5	(Lb 1),DIF,VB,EEL,3-4 FOV'S,NEB EASILY DET,GRAN PATCHES,BKN,G-Bish COLOR,GULF OF MEXICO EASILY OUTLINED,W/OIII,NEB DET IN FTR DETAIL,GULF OF MEXICO DARKER,OUTLING OF NORTH AMERICA CAN BE FOLLOWED,(11:47pm),R=EEE
Sep 19 2012	36"	31mmT5	VB,W/OIII,ABLE TO SLEW ENTIRE OUTLINE OF NA NEB,NUMEROUS AREAS OF FINE NEB DETAIL,GULF AND S END OF MEX BEST CONTRAST,NICE D* IN MEX TIP - PINK & BLUEISH,R=EE
Aug 13 1982	12.5"	32mm	FITS WELL IN EYEPiece,FIRST TIME SEEN THIS WELL, IMPRESSIVE!!!
Aug 11 1982	12.5"	32mm	EL,ONLY CERTAIN OUTLINES DET,HUNDREDS OF *S WITH COSTAL LINE EFFECT
196 NGC	7023	Cep	H74-4 Brn Nebula R *7IN EF,EL,NEBY
Sep 07 2023	12.5"	12mmT4	(Lb 1),DIF,VB,ML,B* IN CNTR,GRAN NED DET,NICE FOV,NEB BKN EDGES,OIII NO GOOD,(10:44pm),R=E
Sep 12 2012	36"	17mmT4	PB,VL,3*S WITH NEB,FINE DETAIL IN WISP OF NEB,GREENISH,OIII NO HELP,PATCHES,DRK AREAS,PAIR=CR 427,R=G
Jul 09 1983	12.5"	12mm	DIF,MB,MS,GAS SUR B*,SOME DETAIL IN GAS DET
197 IC	1396	Cep	Open Cluster IV 3 m n
Sep 07 2023	12.5"	17mmT4	(Lb 2),DIF,VB,ML,V RICH * FIELD,CR 439 VL ~100 *S FILLS FOV,3 MULTI-COLOR *S CLOSE IN CNTR WITH PATCHY GRAN NEB DET,DARK RGN W OF CNTR DET,PATCHY NEB ARND DARK RGN,OIII NO GOOD,HBeta SUSP,(11:11pm),R=G
Jun 24 2022	36"	31mmT5	(IV 3 m n),EB,EEL,SVRL FOV'S,V RICH FOV,NICE TRI OF *S IN CNTR,AREA'S OF NEB DET,i*S VAR MAG,CANNOT DET CL,(3:27am),R=P
Sep 18 2004	31"	25mm	EB,EL,~50*S,VAR MAG,SVRL FOV'S,LOOSELY SCATTERD,2 D*S IN CNTR,R=P
198 NGC	7133	Cep	Brn Nebula R VF,PL
Sep 07 2023	12.5"	17mmT4	(Lb 1),DIF,PB,MS,3 B *S 1 FTR IN CNTR OF BOX LIKE NEB,PATCHY,BKN,OIII NO GOOD,2 NGC OC'S ASSOC WITH LBN 424 NOT MUCH OF AN OC,(11:22pm),R=G
Sep 12 2012	36"	17mmT4	PB,ML,3-5 SC B* EACH WITH NEB SUR *S,SOME PATCH NEB AREAS,PAIR=7129,R=G
Jun 20 2004	31"	17mmT4	MB,PL,L B NEB,AREA OF NEB,CL OF LOOSELY *S,R=G
199 IC	5146	Cyg	Brn Nebula E
Sep 06 2023	12.5"	17mmT4	(Lb 2),DIF,PF,MS,F NEB DET ARND 5-6*S,BKN,PATCHY,OIII NO GOOD,(12:06am),R=RG
Sep 18 2004	31"	25mm	VDIF,VF,PL,HINT OF NEB DET,S CL OF ~6*S,OIII DOES NOT HELP,R=P
200 SH2	132	Cep	Brn Nebula E
Sep 07 2023	12.5"	31mmT5	(Lb 2),DIF,MF,EEL,V RICH FOV,F NEB DET WITH PATCHES OF DARK AREAS,SOME B PATCHES DET BY SCANNING FOV,W/OIII HELP ALOT,L PATCH OF NEB EASILY DET,SVRL FOV'S,(11:35pm),R=G

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201 SH2	155	Cep	Brt Nebula		
Sep 07 2023	12.5"	17mmT4	(Lb 2),DIF,MF,PL,FITS NICE IN FOB,NEB DET IN PATCHES ARND/BET 2*S OF 4*LS IN AN ARCH,OIII NO GOOD,(11:48pm),R=FG		
Sep 02 2008	31"	31mmT5	EDIF,EF,EEL,PATCH,SVRL FOV,FEW B PATCHES DET,VF BG GLOW AREAS,R=P		
202 IC	1470	Cep	Brt Nebula E		
Sep 07 2023	12.5"	12mmT4	(Lb 2),DIF,MB,VS,LOOKS LIKE A S COMET,B N SIDE BALL,F S SIDE TAIL,AV REVEALS MORE NEB,(12:00am),R=G		
Sep 18 2004	31"	17mmT4	DIF,W/OIII,PB,ML,BNUC,SHISB,COMET LIKE,GMBM,B* IN BEB,BLUE-GREENISH,R=G		
203 NGC	7538	Cep	H706-2	Brt Nebula E	VF,L,2PB*INV
Sep 07 2023	12.5"	17mmT4	(Lb 1),DIF,MB,ML,2 F*S IN BALL OF NEB,PATCHY,EDGES BKN,W/OIII NEB APPEARS LGR AND MORE GRAN,(12:11am),R=GE		
Sep 18 2004	31"	17mmT4	W/OIII,PB,PL,UB,SHISB,2 B*S IN CTR,WISPS OF NEB,SPR SHAPE,GREENISH,R=E		
204 NGC	7635	Cas	H52-4	Brt Nebula E	VF,*8INV L EXCENTRIC
Sep 07 2023	12.5"	17mmT4	(Lb 1),DIF,MF,PL,NICE IN FOV,PATCHY AREAS,BKN,SOME AREAS BTR THAN OTHERS,EL SHAPE,W/OIII EDGES HARD TO DEF,(12:21am),R=G		
Jul 31 1981	12.5"	16mm	VDIF,IRR IN SHAPE,NEB SUR B*,BUBBLE NEB		
205 SH2	163	Cas	Brt Nebula E		
Sep 07 2023	12.5"	17mmT4	(Lb 4),DIF,EF,VS,LOC GOOD,W/AV V LTL NEB SUSP,(12:30am),R=P		

Total: 124