

Orion - The Hunter

ABELL 12**Planetary Neb**

Jan 24 2004 31" 16mmT5 MF,PL,OVAL,UB,SHISB,WITH OIII,R=G
 Jan 24 2004 31" 17mmT4 NEB NOT VISIBLE WITHOUT OIII,R=P
 Jan 24 2004 31" 24mmTP MF,MS,OVAL,UB,MHISB,WITH OIII,* CLOSE BY ALM TOUCH,R=G

B 33**Drk Nebula Ir**

Oct 12 2012 36" 17mmT4 VF,VL,W/HBETA,BEST TO DATE,HH EASILY DET,COULD EASILY FOLLOW IC434 OUTLINE FROM BOTH SIDES OF HH NECK,R=E
 Dec 19 2006 31" 31mmT5 VF,PL,W/H-BETA,SHAPE AND OUTLINE EASILY DET,IC434 BG NEB EASILY DET,R=E
 Feb 20 2006 31" 31mmT5 W/BETA,VF,EL,DARK NEB,ABSOLUTELY AMAZING,STR,OUTLINE,DUST,GAS,R=E
 Dec 07 2005 31" 31mmT5 VDIF,MF,VL,W/BETA,FIRST VIEWING WITH 31MM/BETA,AWSOME,COMPLETE OUTLINE DET,IC434 BG GAS DET,R=E
 Feb 15 2004 31" 12mmT4 H-BETA FILTER,L DARK AREA EASILY SEEN,SHAPE NOT AS NOTICABLE,40MM BETTER,R=F
 Feb 15 2004 31" 40mm DARK NEB,VF,ML,H-BETA FILTER,AWSOME,ENTIRE SHAPE DET,BEST TODATE,R=E
 Jan 24 2004 31" 17mmT4 WITHOUT OIII,JUST BARELY ABLE TO DETECT DARD AREA,LOC GOOD,R=P
 Jan 24 2004 31" 24mmTP HORSEHEAD NUB,JUST ABLE TO NOTICE A DARK AREA,LOG GOOD,R=P

CR 69**Open Cluster III 3 p n**

Nov 13 2020 36" 17mmT4 (III 3 p n),W/OIII,NEB DET SWEEPING AREA,SVRL FOV'S,(3:05am),R=P
 Nov 13 2020 36" 55mm (III 3 p n),EB,EEEL,VB* IN CL,TOO L FOR ANY EYEPIECE,BEST IN FINDER (50% FOV),NEB DET,(3:01am),R=P

IC 392**Galaxy S0**

Sep 30 2005 31" 17mmT4 MF,MS,EL-OVAL,FLNUC,VF* IN EDGE,R=F

IC 395**Galaxy S0:****EF, VS, R, F* CLOSE F**

Oct 04 2005 31" 17mmT4 PF,PS,OVAL,FSNUC,R=F

IC 404**Galaxy**

Oct 01 2005 31" 17mmT4 PF,PS,R,VFSNUC,F* OFF EDGE,R=F

IC 409**Galaxy S**

Oct 01 2005 31" 17mmT4 PF,PS,PATCH,FLNUC,PAIR=MAC,R=F

IC 412**Galaxy Sab**

Oct 01 2005 31" 17mmT4 MF,MS,EL,FSNUC,FORMS A TRI WITH A *,PAIR=IC413,R=F

IC 413**Galaxy S0**

Oct 01 2005 31" 17mmT4 MF,MS,EL,FSNUC,FORMS A TRI WITH A *,PAIR=IC412,R=F

IC 414**Galaxy**

Oct 01 2005 31" 17mmT4 DIF,VF,ML,OVAL,PATCH,UB,NND,R=F

IC 420**Brn Nebula R**

Feb 20 2006 31" 31mmT5 VDIF,EF,VS,V LTL NEB DET SUR *,W/OIII,LTL MORE NEB DET,R=P

IC 421**Galaxy SAB(rs)bc**

Oct 01 2005 31" 17mmT4 VDIF,EF,VL,OVAL,UB,NND,SVRL F*S IN AREA OF PATCH,FARMS SUSP,R=P

Orion - The Hunter

IC	423		Brtn Nebula R
Mar 04 2021	36"	31mmT5	(Lb 2),DIF,W/OIII,MF,MS,PATCH,F* IN CNTR,DARK LANE,BROKEN,EDGES NOT DEF,V HARD TO DET W/O OIII,(8:51pm),R=F
Feb 20 2006	31"	31mmT5	W/OIII,LOCATION GOOD,A HINT OF NEB SUSPECTED,AV,SUSP,R=P
IC	424		Brtn 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
IC	426		Brtn 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
IC	430		Brtn Nebula R
Feb 21 2006	31"	31mmT5	EDIF,EF,VL,SUSP,WITH OIII ONLY NEB SUR B* DET,R=P
IC	431		Brtn Nebula R
Jan 24 2009	31"	17mmT4	W/OIII,MF,MS,F NEB SUR CLOSE DOUBLE *,R=F
Feb 21 2006	31"	31mmT5	VDIF,VF,VL,OVAL-R,PATCH,W/OIII,NEB SUR B* DET,OTHER *S NO NEB,PAIR=IC432,R=P
IC	432		Brtn 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*,SIMILAR *S NO NEB,PAIR=IC431,R=P
IC	434		Brtn 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 W/WO FILTERS,BEST WITH H-BETA,R=G
IC	435		Brtn Nebula R
Mar 05 2021	36"	31mmT5	(Lb 1),DIF,MB,MS,W/OIII,SIM TO N2023 BUT SM,(8:54pm),R=F
Jan 24 2009	31"	17mmT4	MF,MS,OIII DOESNOT HELP AT ALL,F NEB SUR B* W/O OIII,R=F
Jan 24 2004	31"	24mmTP	DIF,MF,MS,PATCH,UB,WITH OIII,PATCHY NEB SUR *,1/2 SIZE OF 2023,R=F
IC	2093		Galaxy S
Oct 04 2005	31"	17mmT4	MB,MS,R,UB,NND,SHISB,R=F
IC	2112		Galaxy SAd: sp
Oct 01 2005	31"	17mmT4	PF,MS,EL,PATCH,UB,NND,PAIR=MAC,R=F
IC	2162		Brtn Nebula E
Feb 21 2006	31"	31mmT5	W/OIII,PB,PL,SLT MORE NEB DET,MHISB,PAIRS=SH2'S,R=G
Feb 21 2006	31"	31mmT5	MB,PL,PATCH,NEB DET SUR CNTR *,R=F

Orion - The Hunter

J	320		Planetary Neb 2+4
	Dec 28 2008 31"	17mmT4	PF,VS,NO CNTR*,VS UB BALL,BLUEISH,OIII DOESNOT HELP MUCH,R=G
	Oct 04 2005 31"	17mmT4	VB,PS,R,WOIII,BBLUE,SOME FT NEB DET OUTSIDE R BALL,R=G
MAC	0447-0208		Galaxy
	Sep 30 2005 31"	17mmT4	EF,VS,PATCH,AV,PAIR=1661,R=P
MAC	0451-0235		Galaxy
	Sep 30 2005 31"	17mmT4	VF,PS,PATCH,UB,NND,PAIR=1678/PGC16180,R=P
MAC	0452-0304		Galaxy
	Sep 30 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=NGC'S,R=P
MAC	0459-0030		Galaxy
	Oct 01 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=PGC16481,R=P
MAC	0500+0425		Galaxy
	Oct 01 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,VF* IN EDGE OR CLOSE BY,PAIR=IC2112,R=P
MAC	0516+0619		Galaxy
	Oct 12 2012 36"	17mmT4	PF,PS,OVAL-R,NND,SHISB,* ON EDGE,R=PF
MAC	0516+0620		Galaxy
	Nov 17 2012 36"	17mmT4	VF,VS,PATCH,AGC 539,R=F
	Oct 12 2012 36"	17mmT4	VF,VS,PATCH,AGC539,R=P
MAC	0516+0621		Galaxy
	Oct 12 2012 36"	17mmT4	VF,ES,PATCH,F* OFF EDGE,AGC539,R=P
MAC	0516+0622		Galaxy
	Nov 17 2012 36"	17mmT4	EF,ES,PATCH,AV HOLDS,AGC 539,R=P
	Oct 12 2012 36"	17mmT4	VF,ES,PATCH,AF FIRST THEN HOLDS,AGC539,R=P
MAC	0516+0623		Galaxy
	Nov 17 2012 36"	17mmT4	VF,VS,PATCH,AGC 539,R=P
	Oct 12 2012 36"	17mmT4	VF,ES,PATCH,AV FIRST THEN HOLDS,AGC539,R=P
MAC	0516+0626A		Galaxy
	Nov 17 2012 36"	17mmT4	PF,VS,EL,FSNUC,AGC 539,R=F
	Oct 12 2012 36"	17mmT4	PF,VS,OVAL,FLNUC,R=PF
MAC	0516+0626C		Galaxy
	Nov 17 2012 36"	17mmT4	PF,PS,EL,NND,TOUCH MAC0516+0626B,BOTH IRR IN SHAPE,CAN JUST BARELY SEP,AGC 539,R=F
	Oct 12 2012 36"	17mmT4	PF,VS,PATCH,CAN JUST BARELY SPLIT COMP=MAC,AGC539,R=PF
MAC	0516+0627B		Galaxy
	Nov 17 2012 36"	17mmT4	PF,PS,EL,NND,TOUCH MAC0516+0626C,BOTH IRR IN SHAPE,CAN JUST BARELY SEP,AGC 539,R=F

Orion - The Hunter

MAC 0516+0627B		Galaxy	
Oct 12 2012 36"	17mmT4	PF,VS,PATCH,CAN JUST BARELY SPLIT COMP=MAC,AGC539,R=PF	
MAC 0516+0627C		Galaxy	
Nov 17 2012 36"	17mmT4	PF,VS,PATCH,NND,AGC 539,R=PF	
Oct 12 2012 36"	17mmT4	VF,VS,PATCH,UB,AGC539,R=P	
MAC 0516+0629B		Galaxy	
Nov 17 2012 36"	17mmT4	EF,VS,PATCH,AV TOOK AWHILE,AGC 539,R=P	
Oct 12 2012 36"	17mmT4	EF,ES,PATCH,TOOK AV A WHILE,AV HOLDS A FEW TIMES,AGC539,R=P	
MAC 0516+0630A		Galaxy	
Nov 17 2012 36"	17mmT4	PF,PS,OVAL,NND,AGC 539,R=F	
Oct 12 2012 36"	17mmT4	EF,ES,PATCH,TOOK AV A WHILE,F* JUST OFF ONE SIDE,AV FIRST THEN HOLDS,AGC539,R=P	
MAC 0516+0630B		Galaxy	
Nov 17 2012 36"	17mmT4	PF,PS,OVAL,NND,AGC 539,R=F	
Oct 12 2012 36"	17mmT4	PF,VS,OVAL,FSNUC,AGC539,R=PF	
MAC 0516+0630C		Galaxy	
Nov 17 2012 36"	17mmT4	PF,VS,UB,NND,CLOSE TO *,AGC 539,R=F	
Oct 12 2012 36"	17mmT4	VF,VS,PATCH,* ON OUTER EDGE,AGC539,R=P	
MAC 0516+0633A		Galaxy	
Oct 12 2012 36"	17mmT4	EF,ES,PATCH,AV,AGC539,R=P	
MAC 0517+0629		Galaxy	
Oct 12 2012 36"	17mmT4	EF,ES,*NUC OR VF* IN CNTER,AV FIRST THEN HOLDS,AGC539,R=P	
MAC 0517+0630A		Galaxy	
Oct 12 2012 36"	17mmT4	EF,VS,PATCH,AV FIRST THEN HOLDS,TOOK AV A WHILE,AGC539,R=P	
MAC 0519+0319		Galaxy	
Oct 01 2005 31"	17mmT4	EF,VS,PATCH,AV,PAIR=IC409,R=P	
MAC 0552-0736		Galaxy	
Dec 07 2005 31"	17mmT4	VF,VS,PATCH,NND,R=P	
NGC 1661		Galaxy SA(s)bc pec:	VF,VS,BM
Sep 30 2005 31"	17mmT4	PF,MS,OVAL,FSNUC,SMWHT BN,PAIR=MAC,R=F	
NGC 1662		H1-7	Open Cluster II 3 m
Nov 13 2020 36"	55mm	(II 2 p),EB,EL,WELL PRESENTED IN FOV,~20*S VAR MAG,STANDS OUT,*S IN PAIRS OF 2,(1:55am),R=F	CL OF L\$S SC ST
Sep 06 2002 12.5"	24mm	PB,PL,APROX 15 *S,LOOSLY SC,STANDS OUT WELL	
NGC 1663		H7-8	Open Cluster IV 2 p
			CL,LRI,ST L\$S

Orion - The Hunter

NGC 1663		H7-8	Open Cluster IV 2 p	CL,LRI,ST L\$S
Sep 06 2002 12.5"	9mmT6	PB,ML,~20*S,305 B*S WITH FTR OTHERS,TAKES POWER WELL		
NGC 1670		H501-3	Galaxy SA0^:	VF,VS
Sep 30 2005 31"	17mmT4	MB,MS,OVAL,BLNUC,MHISB CNTR,R=G		
NGC 1678		H502-3	Galaxy SA0^ pec?	VF,S
Sep 30 2005 31"	17mmT4	MB,MS,EL,BLNUC,PAIRS=PGG/MAC,R=G		
NGC 1682		H527-2	Galaxy E/S0	VF,VS,1684F12S,*9S4'
Sep 30 2005 31"	17mmT4	PF,PS,R,BLNUC,MHISB CNTR,PAIRS=NGC'S,R=F		
NGC 1683			Galaxy Sa	VF,R
Sep 30 2005 31"	17mmT4	MF,MS,EDGE ON,FSNUC,PAIRS=NGC'S,R=F		
NGC 1684		H528-2	Galaxy E+ pec:	PF,PS,R,BM,*9SF
Sep 30 2005 31"	17mmT4	MB,ML,EL,BNUC,EL NUC OR BAR,HISB CNTR,PAIRS=NGC'S,R=G		
NGC 1685			Galaxy SB(r)0/a	F
Sep 30 2005 31"	17mmT4	PB,PL,OVAL,FLNUC,SLT BM,PAIRS=NGC'S,R=G		
NGC 1690			Galaxy SB(s)b	VF,VS,AM VS ST,L*SP
Sep 30 2005 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,PAIR=PGC16290,R=F		
NGC 1691			Galaxy (R)SB(s)0/a:	F,S,*11INV
Oct 01 2005 31"	17mmT4	MB,MS,OVAL,BSNUC,MHISB CNTR,SBM,R=F		
NGC 1709			Galaxy SB0^:	VF,VS,1713NP
Oct 01 2005 31"	17mmT4	MF,MS,OVAL,FSNUC,PAIR=PGC'S/1713,R=F		
NGC 1713		H516-2	Galaxy E+:	F,S,R,BM
Oct 01 2005 31"	17mmT4	MB,PL,OVAL,FLNUC,MHISB CNTR,PAIR=PGC'S/1709,R=G		
NGC 1719			Galaxy Sa: sp	PF,S,IR,PSLBM
Oct 30 1981 12.5"	12mm	VDIF,VF,MS,PATCHY-OVAL,NNS		
NGC 1729		H503-3	Galaxy SA(s)c	VF,PL,2B*V NR
Oct 01 2005 31"	17mmT4	MB,PL,OVAL,SOME SPR STR SUSP,PATCHY,NND,MHISB,R=G		
NGC 1740			Galaxy S0-:	EF,VS,*12SP
Oct 01 2005 31"	17mmT4	MB,PS,R,BSNUC,MHISB,SBM,F* CLOSE BY,R=G		
NGC 1753			Galaxy (R')SBa pec?	EEF,PS,R,SF1740
Oct 01 2005 31"	17mmT4	DIF,VF,PL,OVAL,PATCH,UB,NND,VF* IN EDGE,R=F		
NGC 1762		H453-3	Galaxy SA(rs)c:	VF,VS
Sep 06 2002 12.5"	9mmT6	DIF,PF,MS,OVAL,*NUC,SBM,MHISB		

Orion - The Hunter

NGC 1788		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		
Oct 16 1982 12.5"	16mm	IT,LOOKS LIKE NEB IN 2 PARTS,(8:00pm),R=FG		
Oct 16 1982 12.5"	24mm	BH2 RGN OR BET NEB AND *		
		PB,ML,EL,BM,B* TO W IN NEB,VMBM		
NGC 1819			Galaxy SB0	VF,S,R
Oct 01 2005 31"	17mmT4	MF,MS,OVAL,FLNUC,SHISB CNTR,R=G		
NGC 1843			Galaxy SAB(s)cd:	F,S,R,LBM
Oct 01 2005 31"	17mmT4	PF,PL,OVAL,UB,NND,R=G		
NGC 1875			Galaxy S0?	EF,S,R
Oct 01 2005 31"	17mmT4	PF,MS,R,FLNUC,SHISB CNTR,PAIR=PGC'S,R=F		
NGC 1924		H447-3	Galaxy SB(r)bc	VF,PL,IR,ST NR
Oct 01 2005 31"	17mmT4	DIF,PF,ML,PATCH,NND,VF* ON EDGE,R=F		
NGC 1975			Brn Nebula E	B**INV IN NEB
Mar 05 2021 36"	31mmT5	(Lb 1),DIF,EB,EEL,UHC BETTER THAN OIII,MORE NEB DET,MANY B*'S WITH NEB,SLEWING REVEALS		
Feb 20 2006 31"	31mmT5	PATCHY AREAS, DARK SPOTS,EDGE NOT DEF,(8:24pm),R=G		
		W/OIII,DIF,PB,EL,PATCHES OF NEB DET,DARK AREAS,NEB SUR B*'S OF NGC1977,R=E		
NGC 1976	M42		Brn Nebula EN+RN	THETAORI \$GREAT NEB
Mar 05 2021 36"	31mmT5	(Lb 1),DIF,EB,EL,W/UHC, DETAIL BEYOND DESCRIPTION,UHC DETAILS NEB DIF THAN		
Mar 08 2013 36"	17mmT4	OIII,(8:10pm),R=EEE		
Feb 05 2005 31"	31mmT5	MESSIER MARATHON 2013		
Dec 04 2004 31"	31mmT5	EEB,EEL,SVRL FOV'S,AWSOME,COLORS DET,R=E		
Dec 04 2004 31"	31mmT5	DIF,EB,EL,WITH OIII,EVEN BETTER,MORE NEB DET,MUCH MORE DETAIL,THE BEST,R=E		
Mar 19 2004 12.5"	12mmT4	DIF,EB,EL,2 FOV'S,ABSOLUTLY THE BEST EVER SEEN TO DATE,COLOR AND SHADES OF COLOR		
Mar 02 1984 10"	20mm	MESSIER MARATHON 2004		
Mar 27 1982 12.5"	24mm	SAME		
Mar 27 1981 12.5"	24mm	VB,ML,3 SHADES OF COLOR VIS,DARK PATCHES,BEAUTIFUL!!!		
Dec 03 1980 12.5"	24mm	MESSIER MARATHON 1981		
Oct 31 1980 12.5"	24mm			
Oct 29 1980 8"	24mm			
Sep 18 1980 12.5"	24mm	TRAPIZUM BLUE-GREEN,BLUER 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!!!		
NGC 1977		H30-5	Open Cluster	42ORIONIS\$NEB
Sep 06 2002 12.5"	32mm	VB,PL,~5 *'S ASSOC WITH M43		
NGC 1980		H31-5	Open Cluster III 3 m n	VF,VVL,44ORIONIS INV
Oct 16 1982 12.5"	24mm	MB,ML,B* IN CNTR,2F*'S CLOSE TO B*,L OVAL AREA SURR B*,CLOSE TO M42		
Sep 09 1980 12.5"	24mm	NEB SUR A NICE DOUBLE STAR		

Orion - The Hunter

NGC 1981		Open Cluster III 3 p n	CL,VB,LRI,ST L,SC
Mar 03 2021 36"	55mm	(III 3 p),~20"S,SC,FILLS FOV,VAR MAG'S,(7:20pm),R=F	
Oct 01 2005 31"	31mmT5	EB,EL,~15"S LOOSLY SC,FILLS FOV,SOME CL DET,R=F	
NGC 1982	M43	H1-3	Brn Nebula E
			VB,VL,RW/TAIL,MBM*8
Mar 08 2013 36"	17mmT4	MESSIER MARATHON 2013	
Dec 04 2004 31"	31mmT5	DIF,EB,EL,WITH OIII,SHADES OF COLORS,INCREDIBLE DETAIL,BEST SEEN TO DATE,R=E	
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 02 1984 10"	20mm	SAME	
Mar 27 1982 12.5"	24mm	MF,PL,OVERWHELMED BY M42,R,BLUE GREEN GAS,2"S IN NEB	
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		
Sep 10 1980 12.5"	24mm		
Aug 22 1980 12.5"	24mm		
NGC 1990		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	
NGC 1999		H33-4	Brn Nebula E
			*10,11INV IN NEB
Mar 04 2021 36"	31mmT5	(Lb 1),DIF,PB,VS,NEB EASLY 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	
NGC 2022		H34-4	Planetary Neb 4+2
			PLN,PB,VS,VLE
Dec 28 2008 31"	17mmT4	MB,ML,R,PATCH,VF CNTR* WITH AV,EDGES FRAILED,OIII DOESNOT HELP MUCH,R=G	
Dec 30 1983 12.5"	12mm	MF,PS,NO CNTR * DET,R,UB,LINE OF F*S OFF TO BOTH SIDES	
Oct 31 1980 12.5"	24mm	LOOKS LIKE PALE GREY *	
Sep 10 1980 12.5"	24mm		
Sep 10 1980 12.5"	32mm	EASILY DET,NICE	
NGC 2023		H24-4	Brn Nebula R+E
			B*IN M OF L,LE NEB
Mar 05 2021 36"	31mmT5	(Lb 1),DIF,MB,ML,W/OIII,GRAN NEB SUR B*,PATCHY,EDGES FADE,(8:51pm),R=F	
Jan 24 2009 31"	17mmT4	MF,ML,BETTER W/OIII,MORE NEB DET,FINE DETAIL IN NEB CLOSE TO *,R=F	
Jan 24 2004 31"	24mmTP	DIF,MF,PL,PATCH,UB,WITH OIII,PATCHY AREA OF GAS SUR *,R=F	
Oct 05 2002 12.5"	25mm	PB,VL,NEB SUR B*,PARTS OF NEB HAVE HISB	
Sep 09 1980 12.5"	24mm	NEED TO KEEP B* OUT OF FIELD TO DETECT	
NGC 2024		H28-5	Brn Nebula E
			IRR,B,VVL,BLACKSPINC
Mar 04 2021 36"	31mmT5	(Lb 1),DIF,MB,EL,W/OIII,KEEP B* OUT OF FOV,L AREAS OF PATCHY NEB,SOME AREAS BROKEN WITH DARK LANES,EDGES NOT DEF,(9:11pm),R=G	
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		

Orion - The Hunter

NGC 2024		H28-5	Brtn Nebula E	IRR,B,VVL,BLACKSPINC
Oct 31 1980 12.5"	24mm			
Sep 18 1980 12.5"	24mm		CRACKS IN NEB DET,GREAT!!	
NGC 2064			Brtn 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=		
NGC 2067			Brtn Nebula R	F,PL,2068S
Mar 04 2021 36"	31mmT5	(Lb 5),DIF,EF,MS,EL,NEXT TO M78,W/OIII,CAN JUST BARELY DEET NEB,AV HOLDS,(9:20pm),R=P		
Feb 21 2006 31"	31mmT5	EDIF,EF,VS,PATCH,CLOST TO M78,TRIED BOTH FILTERS,SUSP IN OIII,R=P		
NGC 2068	M78		Brtn Nebula R	B,L,WISP,GMBN,3*INV
Mar 04 2021 36"	31mmT5	(Lb 1),M78,DIF,VB,VL,W/OIII,2 B*S IN NEB,OVVAL,SMOOTH AND UNIFORM,EDGES FADE AWAY,OTHERS CLOSE,(9:16pm),R=GE		
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			
NGC 2071		H36-4	Brtn Nebula R	D*10\$14 W/VF,L CHEV
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	
Feb 21 2006 31"	31mmT5	MF,MS,PATCH,NEB DET SUR B*,B* APPEARS AS CLOSE DOUBLE WITH F*,R=F		
Oct 05 2002 12.5"	25mm	PBPL,DIF NEB,B* TO EDGE OF NEB,CLOSE TO M78		
NGC 2110		H448-3	Galaxy SAB0-	EF,CS,LE,PSLBM,ER
Dec 07 2005 31"	17mmT4	PB,MS,OVVAL,BLNUC,MHISB CNTR,R=G		
NGC 2112		H24-7	Open Cluster II 2 m n	CL,PL,LRI,PC,ST S
Dec 30 1983 12.5"	24mm	MF,PS,BARREN * FIELD,B*S FORM SHAPE OF A 'Y',~60*S		
Sep 09 1980 12.5"	24mm			
NGC 2119			Galaxy E	F,VS,R,BM
Oct 04 2005 31"	17mmT4	MB,MS,R,FLNUC,RICH * FIELD,MHISB CNTR,R=G		
NGC 2141			Open Cluster I 2 r	F,PS,DIF,
Mar 03 2021 36"	17mmT4	(I 2 r),VR CL~SIM MAG FEW B*S,NICE FOV,F DEFINED CL ALM BG *S,(7:43pm),R=F		
Dec 30 1983 12.5"	24mm	NOT SURE OF FIND		
NGC 2163			Brtn 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		

Orion - The Hunter

NGC 2163		Brт Nebula bipolar	EF,E,DIF,*11ATT S
Nov 22 2006 12.5"	12mmT4	DIF,PB,PS,* WITH NEB SUR IT,SMWHT GREENISH,OIII DOESNOT HELP,R=G	
NGC 2169		H24-8	Open Cluster III 3 m
Mar 03 2021 36"	17mmT4	(III 3 p),VB,PL,B*S WITH F*S,~20 *S,B*S OFF TO NW NOT PART OF CL,LOOSLY SC,(7:53pm),R=G	CL,S,LRI,PMC,**
Dec 30 1983 12.5"	24mm	SAME	
Aug 21 1982 12.5"	24mm	MB,MS,20*S COUNTED,SPLIT THROUGH CNTR,ON SIDE RESEMBLES HOUR GLASS	
NGC 2174		Brт 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	W/OIII,AWSOME,PERFECT FOR OBJECT,MUCH MORE NEB,PATCHES,DARK AREAS,SCAN FOV,R=E	
Feb 21 2006 31"	31mmT5	DIF,PB,EL,SOME NEB DET SUR CNTR AREA,PATCH OF NEB DET OUTER RGN	
NGC 2175.1		Open Cluster II 2 p n	
Feb 21 2006 31"	31mmT5	PB,VL,~15*S LOOSLY SC,VAR MAGNITUDES,PAIR=2174,R=F	
NGC 2180		H6-8	Open Cluster cluster?
Feb 21 2006 31"	31mmT5	VB,VL,~10*S,NOT MUCH CL,VAR MAGNITUDES,R=P	CL,PRI,LC,ST L\$\$
NGC 2184		Open Cluster cluster?	CL,L,VLC
Feb 21 2006 31"	31mmT5	EB,EEF,SVRL FOV'S,LOOSLY SC,VAR MAGNITUDES,~50*S,R=F	
NGC 2186		H25-7	Open Cluster II 2 m
Dec 30 1983 12.5"	24mm	NO FIND	CL,PL,PRI,PC,ST L\$\$
Aug 21 1982 12.5"	24mm	MF,PS,~25*S,F*S WITH B*S,CL SLT ,EL	
NGC 2194		H5-6	Open Cluster II 2 r
Dec 30 1983 12.5"	24mm	SAME	CL,L,RI,GVMCM
Aug 21 1982 12.5"	24mm	MF,PS,40-50*S,F GLOW BET *S,SLT OVAL	
NGC 2195		Non-Existent	F,S,2S*INV,*10N31"
Feb 21 2006 31"	17mmT4	PB,MS,ASTERISM,5*S(4 VF*S) IN A CLOSE LINE,R=G	
NGC 2202		Open Cluster cluster?	**CHIEF OF CL
Feb 21 2006 31"	17mmT4	VB,EL,~15*S,SAME MAG,SOME CL,LOOSE,SC,R=F	
PGC 16180		Galaxy S?	
Sep 30 2005 31"	17mmT4	MF,PS,EL,FSNUC,PAIRS=1678/MAC,R=F	
PGC 16256		Galaxy SB(s)cd	
Sep 30 2005 31"	17mmT4	DIF,PF,PL,OVAL,PATCH,UB,NND,R=F	
PGC 16290		Galaxy E	
Sep 30 2005 31"	17mmT4	PB,MS,R,BSNUC,MHISB CNTR,PAIR=1690,R=F	
PGC 16447		Galaxy	

Orion - The Hunter

PGC 16447		Galaxy
Oct 01 2005 31"	17mmT4	PF,PS,OVAL,VFSNUC,VF* ON EDGE,SOME HISB CNTR,PAIR=1709/1713/PGC,R=F
PGC 16448		Galaxy SB(rs)0-:
Oct 01 2005 31"	17mmT4	MF,PS,OVAL,BSNUC,F* OFF ONE EDGE,PAIR=1709/1713/PGC16447,R=F
PGC 16481		Galaxy Sbc
Oct 01 2005 31"	17mmT4	PF,PS,EL,UB,NND,PAIR=MAC,R=F
PGC 17020		Galaxy S
Nov 17 2012 36"	17mmT4	VF,VS,OVAL,UB,V CLOSE TO *,AGC 539,R=F
Oct 12 2012 36"	17mmT4	VF,PS,PATCH,UB,NEXT TO *, CAN DETECT WITH AV,AGC539,R=P
PGC 17022		Galaxy
Nov 17 2012 36"	17mmT4	PF,PS,OVAL,FSNUC,AGC 539,R=F
Oct 12 2012 36"	17mmT4	PF,VS,OVAL,FSNUC,AGC539,R=F
PGC 17024		Galaxy S
Nov 17 2012 36"	17mmT4	PF,PS,OVAL,*NUC,AGC 539,R=F
Oct 12 2012 36"	17mmT4	PF,VS,OVAL,FSNUC,AGC539,R=PF
PGC 17025		Galaxy S?
Nov 17 2012 36"	17mmT4	MB,MS,FSNUC,AGC 539,R=F
Oct 12 2012 36"	17mmT4	PF,VS,PATCH,AGC539,R=PF
PGC 17028		Galaxy S
Nov 17 2012 36"	17mmT4	PF,VS,UB,NND,AGC 539,R=F
Oct 12 2012 36"	17mmT4	PF,VS,OVAL,FSNUC,AGC539,R=PF
PGC 17031		Galaxy S?
Nov 17 2012 36"	17mmT4	VF,PS,EDGE ON,UB,NND,AV FIRST THEN HOLDS,R=P
Oct 12 2012 36"	17mmT4	VF,PS,EL-EDGE ON,UB,NND,R=PF
PGC 17033		Galaxy S
Nov 17 2012 36"	17mmT4	VF,VS,R,FLNUC,F* OFF EDGE,AGC 539,R=F
Oct 12 2012 36"	17mmT4	PF,VS,R,FLNUC,VF* ON EDGE,AGC539,R=PF
PGC 17109		Galaxy
Oct 25 2006 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,R=F
PGC 17173		Galaxy S
Oct 01 2005 31"	17mmT4	EF,ES,AV,APPEARS AS A LINE OF FT NEB FROM 1875,R=P
PGC 17175		Galaxy S
Oct 01 2005 31"	17mmT4	EF,ES,AV,APPEARS AS A LINE OF FT NEB FROM 1875,R=P
PGC 17176		Galaxy SA0-:

Orion - The Hunter

PGC 17176		Galaxy SA0-:
Oct 01 2005 31"	17mmT4	EF,ES,AV,APPEARS AS A LINE OF FT NEB FROM 1875,BTR OF THE 3,R=P
PGC 17532		Galaxy
Oct 04 2005 31"	17mmT4	VF,VS,OVAL,VFSNUC,R=P
PGC 17535		Galaxy Sb
Oct 04 2005 31"	17mmT4	VF,PS,PATCH,UB,NND,R=P
SH2 254		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 BETTER,OVAL,PATCH,NO EDGES,4 OTHERS CLOSE BY,(9:43pm),R=P
Feb 21 2006 31"	31mmT5	W/OIII,LOCATION GOOD,DID NOT FIND,R=P
SH2 256		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,SIMILAR TO SH2-258,R=P
SH2 257		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
SH2 258		Brt Nebula
Mar 05 2021 36"	31mmT5	(Lb 6),DIF,EF,ES,W/OIII,2 F"S AND OBJECT 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
SH2 264		Brt 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
SH2 276		H35-5
Nov 13 2020 36"	55mm	Brt Nebula E DIF,SCANNED SVRL DEGREES WITH AND WITHOUT OIII,NOTHING DET,(3:15am),R=P