

## 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,MOD HISB,WITH OIII,\* CLOSE BY ALMOST TOUCHING,R=G

**B 33****Nebula Ir**

Oct 12 2012 36" 17mmT4 VF,VL,W/HBETA,BEST TO DATE,HH EASILY DETECTED,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 BACKGROUND NEB EASILY DET,R=E  
 Feb 20 2006 31" 31mmT5 W/BETA,VF,EL,DARK NEBULA,ABSOLUTELY AMAZING,STRUCTURE,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 BACKGROUND GAS DET,R=E  
 Feb 15 2004 31" 12mmT4 H-BETA FILTER,LARGE DARK AREA EASILY SEEN,SHAPE NOT AS NOTICABLE,40MM BETTER,R=F  
 Feb 15 2004 31" 40mm DARK NEBULA,VF,ML,H-BETA FILTER,AWSOME,ENTIRE SHAPE DETECTED,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

**IC 392****Galaxy S0**

Sep 30 2005 31" 17mmT4 MF,MS,ELONG,OVAL,LARGE FNUC,VF\* IN EDGE,R=F

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

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

**IC 404****Galaxy**

Oct 01 2005 31" 17mmT4 PF,PS,R,VERY SMALL FNUC,F\* OFF EDGE,R=F

**IC 409****Galaxy S**

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

**IC 412****Galaxy Sab**

Oct 01 2005 31" 17mmT4 MF,MS,ELONG,SMALL FNUC,FORMS A TRI WITH A \*,PAIR=IC413,R=F

**IC 413****Galaxy S0**

Oct 01 2005 31" 17mmT4 MF,MS,ELONG,SMALL FNUC,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****Nebula R**

Feb 20 2006 31" 31mmT5 VDIF,EF,VS,VERY LITTLE NEB DET AROUND \*,W/OIII,LITTLE MORE NEB DETECTED,R=P

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

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

**IC 423****Nebula R**

Feb 20 2006 31" 31mmT5 W/OIII,LOCATION GOOD,A HINT OF NEB SUSPECTED,AV,SUSP,R=P

**IC 424****Nebula R**

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<b>IC 424</b>		<b>Nebula R</b>
Feb 20 2006 31"	31mmT5	W/OIII,EDIF,VF,VL,JUST A HINT OF NEB DET.SMALL VF GROUPING OF *S IN NEB,R=P
<b>IC 426</b>		<b>Nebula R</b>
Feb 20 2006 31"	31mmT5	W/OIII,VDIF,EF,VL,SOME HINT OF NEB DET,PATCHY AREAS,AV,SUSP,R=P
<b>IC 430</b>		<b>Nebula R</b>
Feb 21 2006 31"	31mmT5	EDIF,EF,VL,SUSP,WITH OIII ONLY NEB AROUND B* DETECTED,R=P
<b>IC 431</b>		<b>Nebula R</b>
Jan 24 2009 31"	17mmT4	W/OIII,MF,MS,FAINT NEB AROUND CLOSE DOUBLE *,R=F
Feb 21 2006 31"	31mmT5	VDIF,VF,VL,OVAL,R,PATCH,W/OIII NEB AROUND B* DET,OTHER *S NO NEB,PAIR=IC432,R=P
<b>IC 432</b>		<b>Nebula R</b>
Jan 24 2009 31"	17mmT4	VF,PS,OIII HELPS DETECT MORE NEB,VERY LITTLE NEB DET WITHOUT OIII,R=P
Feb 21 2006 31"	31mmT5	W/OIII,VDIF,VF,VL,OVAL,R,PATCH AROUND B*,SIMILAR *S NO NEB,PAIR=IC431,R=P
<b>IC 434</b>		<b>Nebula E</b>
Oct 12 2012 36"	17mmT4	DIF,W/HBETA,NEBULA CONTAINS HH NEBULA,OUTLINE OF DIF NEB EASILY FOLLOWED FROM BOTH SIDES OF HH NECK FOR SEVERAL FOV'S,R=G
Feb 21 2006 31"	31mmT5	VF,EL,NEB AROUND HORSEHEAD,NEB DET W/WO FILTERS,BEST WITH H-BETA,R=G
<b>IC 435</b>		<b>Nebula R</b>
Jan 24 2009 31"	17mmT4	MF,MS,OIII DOESN'T HELP AT ALL,FT NEB AROUND B* W/O OIII,R=F
Jan 24 2004 31"	24mmTP	DIF,MF,MS,PATCH,UB,WITH OIII,PATCHY NEB AROUND *,1/2 SIZE OF 2023,R=F
<b>IC 2093</b>		<b>Galaxy S</b>
Oct 04 2005 31"	17mmT4	MB,MS,R,UB,NND,SHISB,R=F
<b>IC 2112</b>		<b>Galaxy SAd: sp</b>
Oct 01 2005 31"	17mmT4	PF,MS,ELONG,PATCH,UB,NND,PAIR=MAC,R=F
<b>IC 2162</b>		<b>Nebula E</b>
Feb 21 2006 31"	31mmT5	W/OIII,PB,PL,SLIGHTLY MORE NEB DET,MOD HISB,PAIRS=SH2'S,R=G
Feb 21 2006 31"	31mmT5	MB,PL,PATCH,NEB DETECTED AROUND CENTRAL *,R=F
<b>J 320</b>		<b>Planetary Neb 2+4</b>
Dec 28 2008 31"	17mmT4	PF,VS,NO C*,VS UB BALL,BLUEISH,OIII DOESN'T HELP MUCH,R=G
Oct 04 2005 31"	17mmT4	VB,PS,R,W/OIII,BRT BLUE,SOME FAINT NEB DET OUTSIDE R BALL,R=G
<b>MAC 0447-0208</b>		<b>Galaxy</b>
Sep 30 2005 31"	17mmT4	EF,VS,PATCH,AV,PAIR=1661,R=P
<b>MAC 0451-0235</b>		<b>Galaxy</b>
Sep 30 2005 31"	17mmT4	VF,PS,PATCH,UB,NND,PAIR=1678/PGC16180,R=P
<b>MAC 0452-0304</b>		<b>Galaxy</b>

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<b>MAC 0452-0304</b>		<b>Galaxy</b>
Sep 30 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIRS=NGC'S,R=P
<b>MAC 0459-0030</b>		<b>Galaxy</b>
Oct 01 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,PAIR=PGC16481,R=P
<b>MAC 0500+0425</b>		<b>Galaxy</b>
Oct 01 2005 31"	17mmT4	VF,VS,PATCH,UB,NND,VF* IN EDGE OR CLOSE BY,PAIR=IC2112,R=P
<b>MAC 0516+0619</b>		<b>Galaxy</b>
Oct 12 2012 36"	17mmT4	PF,PS,OVAL,R,NND,SHISB,* ON EDGE,R=PF
<b>MAC 0516+0620</b>		<b>Galaxy</b>
Nov 17 2012 36"	17mmT4	VF,VS,PATCH,AGC 539,R=F
Oct 12 2012 36"	17mmT4	VF,VS,PATCH,AGC539,R=P
<b>MAC 0516+0621</b>		<b>Galaxy</b>
Oct 12 2012 36"	17mmT4	VF,ES,PATCH,F* OFF EDGE,AGC539,R=P
<b>MAC 0516+0622</b>		<b>Galaxy</b>
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
<b>MAC 0516+0623</b>		<b>Galaxy</b>
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
<b>MAC 0516+0626A</b>		<b>Galaxy</b>
Nov 17 2012 36"	17mmT4	PF,VS,ELONG,SFNUC,AGC 539,R=F
Oct 12 2012 36"	17mmT4	PF,VS,OVAL,LARGE FNUC,R=PF
<b>MAC 0516+0626C</b>		<b>Galaxy</b>
Nov 17 2012 36"	17mmT4	PF,PS,ELONG,NND,TOUCHING MAC0516+0626B,BOTH IRR IN SHAPE,CAN JUST BARELY SEPERATE,AGC 539,R=F
Oct 12 2012 36"	17mmT4	PF,VS,PATCH,CAN JUST BARELY SPLIT COMP=MAC,AGC539,R=PF
<b>MAC 0516+0627B</b>		<b>Galaxy</b>
Nov 17 2012 36"	17mmT4	PF,PS,ELONG,NND,TOUCHING MAC0516+0626C,BOTH IRR IN SHAPE,CAN JUST BARELY SEPERATE,AGC 539,R=F
Oct 12 2012 36"	17mmT4	PF,VS,PATCH,CAN JUST BARELY SPLIT COMP=MAC,AGC539,R=PF
<b>MAC 0516+0627C</b>		<b>Galaxy</b>
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
<b>MAC 0516+0629B</b>		<b>Galaxy</b>
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

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<b>MAC 0516+0630A</b>		<b>Galaxy</b>	
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	
<b>MAC 0516+0630B</b>		<b>Galaxy</b>	
Nov 17 2012 36"	17mmT4	PF,PS,OVAL,NND,AGC 539,R=F	
Oct 12 2012 36"	17mmT4	PF,VS,OVAL,SMALL FNUC,AGC539,R=PF	
<b>MAC 0516+0630C</b>		<b>Galaxy</b>	
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	
<b>MAC 0516+0633A</b>		<b>Galaxy</b>	
Oct 12 2012 36"	17mmT4	EF,ES,PATCH,AV,AGC539,R=P	
<b>MAC 0517+0629</b>		<b>Galaxy</b>	
Oct 12 2012 36"	17mmT4	EF,ES,*NUC OR VF* IN CENTER,AV FIRST THEN HOLDS,AGC539,R=P	
<b>MAC 0517+0630A</b>		<b>Galaxy</b>	
Oct 12 2012 36"	17mmT4	EF,VS,PATCH,AV FIRST THEN HOLDS,TOOK AV A WHILE,AGC539,R=P	
<b>MAC 0519+0319</b>		<b>Galaxy</b>	
Oct 01 2005 31"	17mmT4	EF,VS,PATCH,AV,PAIR=IC409,R=P	
<b>MAC 0552-0736</b>		<b>Galaxy</b>	
Dec 07 2005 31"	17mmT4	VF,VS,PATCH,NND,R=P	
<b>NGC 1661</b>		<b>Galaxy SA(s)bc pec:</b>	<b>VF,VS,BM</b>
Sep 30 2005 31"	17mmT4	PF,MS,OVAL,SMALL FNUC,SOMEWHAT BN,PAIR=MAC,R=F	
<b>NGC 1662</b>		<b>H1-7</b>	<b>Open Cluster 9.0 II 3 m</b>
Sep 06 2002 12.5"	24mm	PB,PL,APROX 15 *S,LOOSLY SCATTERED,STANDS OUT WELL	<b>CL OF L\$\$ SC ST</b>
<b>NGC 1663</b>		<b>H7-8</b>	<b>Open Cluster IV 2 p c</b>
Sep 06 2002 12.5"	9mmT6	PB,ML,APPROX 20*S,305 B*S WITH FAINTER OTHERS,TAKES POWER WELL	<b>CL,LRI,ST L\$\$</b>
<b>NGC 1670</b>		<b>H501-3</b>	<b>Galaxy SA0^:</b>
Sep 30 2005 31"	17mmT4	MB,MS,OVAL,LARGE BNUC,MOD HISB MIDDLE,R=G	<b>VF,VS</b>
<b>NGC 1678</b>		<b>H502-3</b>	<b>Galaxy SA0^ pec?</b>
Sep 30 2005 31"	17mmT4	MB,MS,ELONG,LARGE BNUC,PAIRS=PGG/MAC,R=G	<b>VF,S</b>
<b>NGC 1682</b>		<b>H527-2</b>	<b>Galaxy E/S0</b>
Sep 30 2005 31"	17mmT4	PF,PS,R,LARGE BNUC,MOD HISB MIDDLE,PAIRS=NGC'S,R=F	<b>VF,VS,1684F12S,*9S4'</b>
<b>NGC 1683</b>		<b>Galaxy Sa</b>	<b>VF,R</b>
Sep 30 2005 31"	17mmT4	MF,MS,EDGE ON,SMALL FNUC,PAIRS=NGC'S,R=F	

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<b>NGC 1684</b>		<b>H528-2</b>	<b>Galaxy E+ pec:</b>	<b>PF,PS,R,BM,*9SF</b>
Sep 30 2005 31"	17mmT4	MB,ML,ELONG,BNUC,ELONG NUC OR BAR,HISB MIDDLE,PAIRS=NGC'S,R=G		
<b>NGC 1685</b>			<b>Galaxy SB(r)0/a</b>	<b>F</b>
Sep 30 2005 31"	17mmT4	PB,PL,OVAL,LARGE FNUC,SLIGHTLY BM,PAIRS=NGC'S,R=G		
<b>NGC 1690</b>			<b>Galaxy SB(s)b</b>	<b>VF,VS,AM VS ST,L*SP</b>
Sep 30 2005 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,PAIR=PGC16290,R=F		
<b>NGC 1691</b>			<b>Galaxy (R)SB(s)0/a:</b>	<b>F,S,*11INV</b>
Oct 01 2005 31"	17mmT4	MB,MS,OVAL,SMALL BNUC,MOD HISB MIDDLE,SMBM,R=F		
<b>NGC 1709</b>			<b>Galaxy SB0^:</b>	<b>VF,VS,1713NP</b>
Oct 01 2005 31"	17mmT4	MF,MS,OVAL,SMALL FNUC,PAIR=PGC'S/1713,R=F		
<b>NGC 1713</b>		<b>H516-2</b>	<b>Galaxy E+:</b>	<b>F,S,R,BM</b>
Oct 01 2005 31"	17mmT4	MB,PL,OVAL,LARGE FNUC,MOD HISB MIDDLE,PAIR=PGC'S/1709,R=G		
<b>NGC 1719</b>			<b>Galaxy Sa: sp</b>	<b>PF,S,IR,PSLBM</b>
Oct 30 1981 12.5"	12mm	VDIF,VF,MS,PATCHY-OVAL,NNS		
<b>NGC 1729</b>		<b>H503-3</b>	<b>Galaxy SA(s)c</b>	<b>VF,PL,2B*V NR</b>
Oct 01 2005 31"	17mmT4	MB,PL,OVAL,SOME SPR STR SUSP,PATCHY,NND,MOD HISB,R=G		
<b>NGC 1740</b>			<b>Galaxy S0-:</b>	<b>EF,VS,*12SP</b>
Oct 01 2005 31"	17mmT4	MB,PS,R,SMALL BNUC,MOD HISB,SMBM,F* CLOSE BY,R=G		
<b>NGC 1753</b>			<b>Galaxy (R')SBa pec?</b>	<b>EEF,PS,R,SF1740</b>
Oct 01 2005 31"	17mmT4	DIF,VF,PL,OVAL,PATCH,UB,NND,VF* IN EDGE,R=F		
<b>NGC 1762</b>		<b>H453-3</b>	<b>Galaxy SA(rs)c:</b>	<b>VF,VS</b>
Sep 06 2002 12.5"	9mmT6	DIF,PF,MS,OVAL,STELL NUC,SBM,MOD HISB		
<b>NGC 1788</b>		<b>H32-5</b>	<b>Nebula R</b>	<b>B,CL,R,BM,***15,*1'F</b>
Oct 16 1982 12.5"	16mm	BRT H2 REGION OR * BETWEEN NEBULA AND *		
Oct 16 1982 12.5"	24mm	PB,ML,ELONG,BM,B* TO W IN NEBULA,VMBM		
<b>NGC 1819</b>			<b>Galaxy SB0</b>	<b>VF,S,R</b>
Oct 01 2005 31"	17mmT4	MF,MS,OVAL,LARGE FNUC,SOMEWHAT HISB MIDDLE,R=G		
<b>NGC 1843</b>			<b>Galaxy SAB(s)cd:</b>	<b>F,S,R,LBM</b>
Oct 01 2005 31"	17mmT4	PF,PL,OVAL,UB,NND,R=G		
<b>NGC 1875</b>			<b>Galaxy S0?</b>	<b>EF,S,R</b>
Oct 01 2005 31"	17mmT4	PF,MS,R,LARGE FNUC,SOMEWHAT HISB MIDDLE,PAIR=PGC'S,R=F		
<b>NGC 1924</b>		<b>H447-3</b>	<b>Galaxy SB(r)bc</b>	<b>VF,PL,IR,ST NR</b>

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<b>NGC 1924</b>		<b>H447-3</b>	<b>Galaxy SB(r)bc</b>	<b>VF,PL,IR,ST NR</b>
Oct 01 2005 31"	17mmT4		DIF,PF,ML,PATCH,NND,VF* ON EDGE,R=F	
<b>NGC 1975</b>			<b>Nebula E</b>	<b>B**INV IN NEB</b>
Feb 20 2006 31"	31mmT5		W/OIII,DIF,PB,EL,PATCHES OF NEB DET,DARK AREAS,NEB AROUND B*S OF NGC1977,R=E	
<b>NGC 1976</b>	<b>M42</b>		<b>Nebula EN+RN</b>	<b>THETAORI \$GREAT NEB</b>
Mar 08 2013 36"	17mmT4		MESSIER MARATHON 2013	
Feb 05 2005 31"	31mmT5		EEB,EEL,SEVERAL 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	
Dec 04 2004 31"	31mmT5		DIF,EB,EL,2 FOV'S,ABSOLUTLY THE BEST EVER SEEN TO DATE,COLOR AND SHADES OF COLOR	
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,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!!!	
<b>NGC 1977</b>		<b>H30-5</b>	<b>Open Cluster</b>	<b>42ORIONIS\$NEB</b>
Sep 06 2002 12.5"	32mm		VB,PL,APPROX 5 *S ASSOCIATED WITH M43	
<b>NGC 1980</b>		<b>H31-5</b>	<b>Nebula III 3 m n</b>	<b>VF,VVL,44ORIONIS INV</b>
Oct 16 1982 12.5"	24mm		MB,ML,B* IN CENTER,2F*S CLOSE TO B*,LARGE OVAL AREA SURR B*,CLOSE TO M42	
Sep 09 1980 12.5"	24mm		NEB AROUND A NICE DOUBLE STAR	
<b>NGC 1981</b>			<b>Open Cluster 10.0 III 3 p n</b>	<b>CL,VB,LRI,ST L,SC</b>
Oct 01 2005 31"	31mmT5		EB,EL,APPROX 15*S LOOSLY SCATTERED,FILLS FOV,SOME CLUSTERING DET,R=F	
<b>NGC 1982</b>	<b>M43</b>	<b>H1-3</b>	<b>Nebula E</b>	<b>VB,VL,RW/TAIL,MBM*8</b>
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			

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<b>NGC 1990</b>		<b>H34-5</b>	<b>Nebula E+R</b>	<b>EL,E,EPSILONORI INV</b>
Mar 22 2004	12.5" 25mm		DIF,VF,ML,W/OIII HINT OF NEB AROUND BRT * DETECTED,R=P	
<b>NGC 1999</b>		<b>H33-4</b>	<b>Nebula E</b>	<b>*10,11INV IN NEB</b>
Feb 20 2006	31" 31mmT5		W/OIII,DIF,MB,VL,NEB DETAIL DET AROUND *,R=G	
Oct 16 1982	12.5" 24mm		MB,PS,BNUC,VMBM,R,12MM-EYE APPEARANCE,TAPPERED ENDS,SOME DARK AREA IN NEB	
<b>NGC 2022</b>		<b>H34-4</b>	<b>Planetary Neb 4+2</b>	<b>PLN,PB,VS,VLE</b>
Dec 28 2008	31" 17mmT4		MB,ML,R,PATCH,VF C* WITH AV,EDGES FRAILED,OIII DOESN'T HELP MUCH,R=G	
Dec 30 1983	12.5" 12mm		MF,PS,NO CENTRAL * 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	
<b>NGC 2023</b>		<b>H24-4</b>	<b>Nebula R+E</b>	<b>B*IN M OF L,LE NEB</b>
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 AROUND *,R=F	
Oct 05 2002	12.5" 25mm		PB,VL,NEB AROUND BRT *,PARTS OF NEB HAVE HISB	
Sep 09 1980	12.5" 24mm		NEED TO KEEP B* OUT OF FIELD TO DETECT	
<b>NGC 2024</b>		<b>H28-5</b>	<b>Nebula E</b>	<b>IRR,B,VVL,BLACKSPINC</b>
Jan 24 2004	31" 24mmTP		DIF,MF,EL,SEVERAL FOV'S,WITH OIII,PATCHY AREAS,R=F	
Aug 21 1982	12.5" 24mm		PF,EL,DARK DUST LANES DET,BREAKS H2 REGIONS APART,APPROX 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!!	
<b>NGC 2064</b>			<b>Nebula R</b>	<b>EF,VS,*9,10NP4'</b>
Feb 21 2006	31" 31mmT5		EDIF,EF,MS,PATCH,AV,CLOSE TO M78,TRIED BOTH FILTERS,HINT OF NEB DET WITH OIII,R=	
<b>NGC 2067</b>			<b>Nebula R</b>	<b>F,PL,2068S</b>
Feb 21 2006	31" 31mmT5		EDIF,EF,VS,PATCH,CLOST TO M78,TRIED BOTH FILTERS,SUSP IN OIII,R=P	
<b>NGC 2068</b>	<b>M78</b>		<b>Nebula R</b>	<b>B,L,WISP,GMBN,3*INV</b>
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 CENTER	
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			
<b>NGC 2071</b>		<b>H36-4</b>	<b>Nebula R</b>	<b>D*10\$14 W/VF,L CHEV</b>
Feb 21 2006	31" 31mmT5		MF,MS,PATCH,NEB DET AROUND B*,B* APPEARS AS CLOSE DOUBLE WITH F*,R=F	

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<b>NGC 2071</b> Oct 05 2002 12.5" 25mm	<b>H36-4</b> PB,PL,DIF NEBULA,BRT * TO EDGE OF NEB,CLOSE TO M78	<b>Nebula R</b>	<b>D*10\$14 W/VF,L CHEV</b>
<b>NGC 2110</b> Dec 07 2005 31" 17mmT4	<b>H448-3</b> PB,MS,OVAL.LARGE BNUC,MOD HISB MIDDLE,R=G	<b>Galaxy SAB0-</b>	<b>EF,CS,LE,PSLBM,ER</b>
<b>NGC 2112</b> Dec 30 1983 12.5" 24mm Sep 09 1980 12.5" 24mm	<b>H24-7</b> MF,PS,BARREN * FIELD,BRT *S FORM SHAPE OF A 'Y',APPROX 60*S	<b>Open Cluster 10.0 II 2 m n</b>	<b>CL,PL,LRI,PC,ST S</b>
<b>NGC 2119</b> Oct 04 2005 31" 17mmT4	MB,MS,R,LARGE FNUC,RICH * FIELD,MOD HISB MIDDLE,R=G	<b>Galaxy E</b>	<b>F,VS,R,BM</b>
<b>NGC 2141</b> Dec 30 1983 12.5" 24mm	NOT SURE OF FIND	<b>Open Cluster 15.0 I 2 r</b>	<b>F,PS,DIF,</b>
<b>NGC 2163</b> Nov 22 2006 12.5" 12mmT4	DIF,PB,PS,* WITH NEB AROUND IT,SOMEWHAT GREENISH,OIII DOESNOT HELP,R=G	<b>Nebula bipolar</b>	<b>EF,E,DIF,*11ATT S</b>
<b>NGC 2169</b> Dec 30 1983 12.5" 24mm Aug 21 1982 12.5" 24mm	SAME MB,MS,20*S COUNTED,SPLIT THROUGH CENTER,ON SIDE RESEMBLES HOUR GLASS	<b>Open Cluster 6.9 III 3 m</b>	<b>CL,S,LRI,PMC,**</b>
<b>NGC 2174</b> Feb 21 2006 31" 31mmT5 Feb 21 2006 31" 31mmT5	W/OIII,AWSOME,PERFECT FOR OBJECT,MUCH MORE NEB,PATCHES,DARK AREAS,SCAN FOV,R=E DIF,PB,EL,SOME NEB DET AROUND CENTRAL AREA,PATCH OF NEB DET OUTER REGION,	<b>Nebula E</b>	<b>EF,BET3VF*</b>
<b>NGC 2175.1</b> Feb 21 2006 31" 31mmT5	PB,VL,APPROX 15*S LOOSLY SCATTERED,VARIOUS MAGNITUDES,PAIR=2174,R=F	<b>Open Cluster II 2 p n</b>	
<b>NGC 2180</b> Feb 21 2006 31" 31mmT5	VB,VL,APPROX 10*S,NOT MUCH CLUSTERING,VARIOUS MAGNITUDES,R=P	<b>Open Cluster 12.0 cluster?</b>	<b>CL,PRI,LC,ST L\$\$</b>
<b>NGC 2184</b> Feb 21 2006 31" 31mmT5	EB,EEF,SEVERAL FOV'S,LOOSLY SCATTERED,VARIOUS MAGNITUDES,APPROX 50*S,R=F	<b>Open Cluster 9.0 cluster?</b>	<b>CL,L,VLC</b>
<b>NGC 2186</b> Dec 30 1983 12.5" 24mm Aug 21 1982 12.5" 24mm	NO FIND MF,PS,APPROX 25*S,FAINT *S WITH BRT *S,CLUSTER SLIGHTLY ELONG	<b>Open Cluster 12.0 II 2 m</b>	<b>CL,PL,PRI,PC,ST L\$\$</b>
<b>NGC 2194</b> Dec 30 1983 12.5" 24mm Aug 21 1982 12.5" 24mm	SAME MF,PS,40-50*S,FAINT GLOW BETWEEN *S,SLIGHTLY OVAL	<b>Open Cluster 13.0 II 2 r</b>	<b>CL,L,RI,GVMCM</b>
<b>NGC 2195</b> Feb 21 2006 31" 17mmT4	PB,MS,ASTERIAM,5*S(4 VF*S) IN A CLOSE LINE,R=G	<b>Nebula</b>	<b>F,S,2S*INV,*10N31"</b>

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<b>NGC 2202</b>		<b>Open Cluster 9.0 cluster?      **CHIEF OF CL</b>
Feb 21 2006 31"	17mmT4	VB,EL,APPROX 15"S,SAME MAG,SOME CLUSTERING,LOOSE,SCATTERED,R=F
<b>PGC 16180</b>		<b>Galaxy S?</b>
Sep 30 2005 31"	17mmT4	MF,PS,ELONG,SMALL FNUC,PAIRS=1678/MAC,R=F
<b>PGC 16256</b>		<b>Galaxy SB(s)cd</b>
Sep 30 2005 31"	17mmT4	DIF,PF,PL,OVAL,PATCH,UB,NND,R=F
<b>PGC 16290</b>		<b>Galaxy E</b>
Sep 30 2005 31"	17mmT4	PB,MS,R,SMALL BNUC,MOD HISB MIDDLE,PAIR=1690,R=F
<b>PGC 16447</b>		<b>Galaxy</b>
Oct 01 2005 31"	17mmT4	PF,PS,OVAL,VERY SMALL FNUC,VF* ON EDGE,SOME HISB MIDDLE,PAIR=1709/1713/PGC,R=F
<b>PGC 16448</b>		<b>Galaxy SB(rs)0-:</b>
Oct 01 2005 31"	17mmT4	MF,PS,OVAL,SMALL BNUC,F* OFF ONE EDGE,PAIR=1709/1713/PGC16447,R=F
<b>PGC 16481</b>		<b>Galaxy Sbc</b>
Oct 01 2005 31"	17mmT4	PF,PS,ELONG,UB,NND,PAIR=MAC,R=F
<b>PGC 17020</b>		<b>Galaxy S</b>
Nov 17 2012 36"	17mmT4	VF,VS,OVAL,UB,VERY CLOSE TO *,AGC 539,R=F
Oct 12 2012 36"	17mmT4	VF,PS,PATCH,UB,NEXT TO *, CAN DETECT WITH AV,AGC539,R=P
<b>PGC 17022</b>		<b>Galaxy</b>
Nov 17 2012 36"	17mmT4	PF,PS,OVAL,SFNUC,AGC 539,R=F
Oct 12 2012 36"	17mmT4	PF,VS,OVAL,SMALL FNUC,AGC539,R=F
<b>PGC 17024</b>		<b>Galaxy S</b>
Nov 17 2012 36"	17mmT4	PF,PS,OVAL,*NUC,AGC 539,R=F
Oct 12 2012 36"	17mmT4	PF,VS,OVAL,SMALL FNUC,AGC539,R=PF
<b>PGC 17025</b>		<b>Galaxy S?</b>
Nov 17 2012 36"	17mmT4	MB,MS,SFNUC,AGC 539,R=F
Oct 12 2012 36"	17mmT4	PF,VS,PATCH,AGC539,R=PF
<b>PGC 17028</b>		<b>Galaxy S</b>
Nov 17 2012 36"	17mmT4	PF,VS,UB,NND,AGC 539,R=F
Oct 12 2012 36"	17mmT4	PF,VS,OVAL,SMALL FNUC,AGC539,R=PF
<b>PGC 17031</b>		<b>Galaxy S?</b>
Nov 17 2012 36"	17mmT4	VF,PS,EDGE ON,UB,NND,AV FIRST THEN HOLDS,R=P
Oct 12 2012 36"	17mmT4	VF,PS,ELONG,EDGE ON,UB,NND,R=PF
<b>PGC 17033</b>		<b>Galaxy S</b>
Nov 17 2012 36"	17mmT4	VF,VS,R,LFNUC,F* OFF EDGE,AGC 539,R=F

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<b>PGC 17033</b>		<b>Galaxy S</b>
Oct 12 2012 36"	17mmT4	PF,VS,R,LARGE FNUC,VF* ON EDGE,AGC539,R=PF
<b>PGC 17109</b>		<b>Galaxy</b>
Oct 25 2006 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,R=F
<b>PGC 17173</b>		<b>Galaxy S</b>
Oct 01 2005 31"	17mmT4	EF,ES,AV,APPEARS AS A LINE OF FAINT NEB FROM 1875,R=P
<b>PGC 17175</b>		<b>Galaxy S</b>
Oct 01 2005 31"	17mmT4	EF,ES,AV,APPEARS AS A LINE OF FAINT NEB FROM 1875,R=P
<b>PGC 17176</b>		<b>Galaxy SA0-:</b>
Oct 01 2005 31"	17mmT4	EF,ES,AV,APPEARS AS A LINE OF FAINT NEB FROM 1875,BRIGHTER OF THE 3,R=P
<b>PGC 17532</b>		<b>Galaxy</b>
Oct 04 2005 31"	17mmT4	VF,VS,OVAL,VERY SMALL FNUC,R=P
<b>PGC 17535</b>		<b>Galaxy Sb</b>
Oct 04 2005 31"	17mmT4	VF,PS,PATCH,UB,NND,R=P
<b>SH2 254</b>		<b>Nebula E</b>
Feb 21 2006 31"	31mmT5	W/OIII,LOCATION GOOD,DID NOT FIND,R=P
<b>SH2 256</b>		<b>Nebula</b>
Feb 21 2006 31"	31mmT5	EDIF,W/OIII,EF,VS,PATCH,AV,VERY SMALL PATCH DET WITH AV,SIMILAR TO SH2-258,R=P
<b>SH2 257</b>		<b>Nebula E</b>
Feb 21 2006 31"	31mmT5	W/OIII,PF,ML,FAINT BACKGROUND GLOW DET SURROUNDING SMALL GROUPING OF F*'S,R=F
<b>SH2 258</b>		<b>Nebula</b>
Feb 21 2006 31"	31mmT5	VDIF,W/OIII,VF,VS,PATCH,AV,SMALL PATCH DET CLOSE TO *,AV FIRST THEN HOLDS,R=P