

Cygnus - The Swan

ABELL 78		Planetary Neb
Sep 18 2004 31"	17mmT4	VDIF,W/OIII,VF,ML,CENTRAL * APPROX 13TH MAG,R,AREA OF NEB DETECTED,R=F
B 349		Nebula
Sep 18 2004 31"	25mm	VF,ML,DARK NEBULA,BLACK HOLE DET IN MIDDLE OF RICH * FOV,R=G
DOL 8		Open Cluster I 2pn
Sep 11 2004 31"	17mmT4	PB,ML,APPROX 15*S,LOOSLY SCATTERED,NICE IN FOV,ON EDGE OF 6914A,R=F
HENIZ 2-438		Planetary Neb 4
Sep 02 2008 31"	12mmT4	VB,VS,R,INNER CORE RING REDDISH,C* 12TH MAG,FT NEB AROUND C*,OIII NO HELP,R=F
Sep 02 2008 31"	17mmT4	VB,VS,R,INNER CORE RING REDDISH,C* 12TH MAG,FT NEB AROUND C*,OIII NO HELP,R=F
HENIZ 2-450		Planetary Neb 1
Jun 19 2004 31"	17mmT4	PF,ES,WITH OIII,VERY STELLAR LIKE,SOMEWHAT BLUE,R=F
HU 1-2		Planetary Neb 2
Sep 02 2008 31"	17mmT4	MB,MS,HOUR GLS SHAPE,FT NEB ARND,BLUEISH,NO C*,OIII HELPS LTTL,MORE NEB DET,R=F
IC 1301		Galaxy Scd:
May 16 2004 31"	17mmT4	VF,VS,PATCH,UB,NND,R=P
IC 1302		Galaxy SAB(s)c?
Sep 11 2004 31"	17mmT4	PF,MS,OVAL,PATCH,SMALL FNUC,BETWEEN *S ON BOTH SIDES,R=G
May 16 2004 31"	17mmT4	PF,VS,PATCH,UB,NND,CLOSE TO F*,R=P
IC 1303		Galaxy SAc:
Sep 11 2004 31"	17mmT4	PF,MS,OVAL,UB,4F*S IN A LINE IN GAL,5 *S TOTAL,R=F
IC 1311		Open Cluster 17.0 I 1 r n
Sep 11 2004 31"	25mm	PF,VL,NICE IN FOV,APPROX 10*S,SAME MAGNITUDE,FEW B*S IN FOV,R=G
IC 1318		Nebula E
Sep 11 2004 31"	25mm	VDIF,VF,EL,W/OIII,VERY LARGE SEVERAL FOV'S,SCAN AREA,NEB DETECTED,R=F
IC 1369		Open Cluster 12.1 II 2 m
Sep 18 2004 31"	25mm	MB,ML,APPROX 30*S,WELL PLACED,CLUSTERED WELL,APPROX SAME MAG,R=G
IC 1392		Galaxy S0-:
Sep 18 2004 31"	17mmT4	MB,ML,ELONG,LARGE BNUC,BETWEEN *S,SLIGHTLY BM,MOD HISB MIDDLE,PAIR=PGC,R=G
IC 4867		Galaxy S0
May 16 2004 31"	17mmT4	MF,MS,OVAL,SMALL BNUC,PAIRS=6783/OTHERS,R=G
Jun 21 2003 12.5"	9mmT6	MB,PS,R,BNUC,MOD HISB,LARGE BRT NUC,GBMB,COMP=PGC63211,R=G
IC 4996		Open Cluster 8.0 II 3 p n APPROX 15 STARS
Jun 23 2003 12.5"	9mmT6	EB,PL,APPROX 20*,3B*S IN CENTER WITH FAINTER *S,VARIOUS MAGNITUDES,R=G

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IC 5067		Nebula EN	
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,SEVERAL FOV'S,SCAN AREA,NEB PATCHES DET,R=P	
IC 5068		Nebula E	
Sep 18 2004 31"	25mm	VDIF,EF,EL,SEVERAL FOV'S,SCAN AREA,VF NEB PATCHES DETECTED,R=P	
IC 5076		Nebula E	
Sep 18 2004 31"	25mm	DIF,W/OIII,MF,PL,SHISB,NEB EASILY DET AROUND B*,AV REVEALS MORE NEB,R=G	
IC 5117		Planetary Neb 2	
Sep 02 2008 31"	17mmT4	MB,VS,R,UB,BLUEISH BALL,CLOSE TO *,OIII HELPS LTTL,F NEB DET ARND BALL,NO C*,R=F	
Sep 18 2004 31"	17mmT4	MB,VS,R,HISB,W/OIII,* CLOSE BY,BRT BLUE,VERY SMALL DISC,FNEB DET WITH AV,R=F	
IC 5146		Nebula E	
Sep 18 2004 31"	25mm	VDIF,VF,PL,HINT OF NEB DET,SMALL CLUSTER OF APPROX 6*S,OIII DOES NOT HELP,R=P	
KOH 4-37		Planetary Neb	
Jun 19 2004 31"	17mmT4	VDIF,EF,PS,WITH OIII,EXTREMELY DIF,KOHOUTEK 4-34,R=P	
KOH 4-41		Planetary Neb	
Sep 11 2004 31"	17mmT4	EF,ES,PATCH,W/OIII,JUST OUTSIDE 3 F*S.R=P	
MAC 1916+4604		Galaxy	
May 16 2004 31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,PAIRS=6783/OTHERS,R=F	
NGC 6764		Galaxy SB(s)bc	PF,PL,ME,SEVVF*INV
Jun 01 2003 12.5"	9mmT6	DIF,MF,PL,ELONG,PATCH,NND,R=F	
Jul 06 2002 12.5"	16mm	VDIF,PF,ML,UB,PATCHY	
NGC 6783		Galaxy C	EF,DIFFIC
May 16 2004 31"	17mmT4	MF,MS,OVAL,LARGE FNUC,PAIRS=P63211/IC4867,MAC,R=F	
NGC 6798		Galaxy S0	F,VS,R,*VNR
Oct 12 2012 36"	17mmT4	PB,ML,OVAL LARGE BNUC,HISB MIDDLE,GMBM,R=FG	
Jun 21 2003 12.5"	9mmT6	MB,MS,OVAL,R,BNUC,MOD HISB,GMBM,R=F	
Jul 06 2002 12.5"	16mm	EDIF,EF,PS,ELONG,PATCH,COMES AND GOES WITH AVERTED VISION,2F*S OFF ONE EDGE	
NGC 6801		Galaxy SAcd	EF,PS,R,F*S NR
Oct 12 2012 36"	17mmT4	MB,ML,OVAL,UB,NND,SHISB,F* CLOSE TO NUC AREA,R=FG	
Jun 21 2003 12.5"	9mmT6	MB,ML,OVAL,*NUC,VF* IN GAL AND AROUND GAL,R=F	
NGC 6811		Open Cluster 11.0 III 1 r	CL,L,PRI,LC,ST11..14
Jun 06 1981 12.5"	16mm	VB,VL	
NGC 6819		Open Cluster 11.0 I 1 r	CL,VL,VRI,*11...15

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NGC 6819		Open Cluster 11.0 I 1 r	CL,VL,VRI,*11...15
Sep 04 2002	12.5" 32mm	VP,VL,NICELY PLACED,APPROX 50"S,*S SIMUAR MAG	
NGC 6824		H878-2 Galaxy SA(s)b:	PB,IF,BM
Oct 12 2012	36" 17mmT4	MB,ML,OVAL.LARGE NUC,MHISB,VF* OTTTER EDGE IN GAL,GRADUALLY BRT IN MIDDLE,R=FG	
Jun 21 2003	12.5" 9mmT6	VB,VL,BNUC,VERY HISB,F* OFF TO EDGE,LARGE BRT NUC,GMBM,R=E	
Jul 06 2002	12.5" 16mm	DIF,PF,MS,OVAL PATCH,UB,12MAG * CLOSE BY	
NGC 6826		H73-4 Planetary Neb 3a+2	PLN,B,PL,R,*11M
Sep 02 2008	31" 17mmT4	VB,VL,R,GREENISH TECTURE BRT BALL,C* VERY BRT 10TH MAG,OIII NOT MUCH HELP,R=E	
Jul 24 1981	12.5" 16mm	GREENISH,BLINKING PLANTARY,CENT * EASILY BLINKS WHEN LOOKING AT CENTER	
Jul 24 1981	12.5" 7mm	CENTRAL * NO LONGER BLINKS	
Jun 20 1980	12.5" 9mm	BRT CENTRAL * EASILY SEEN	
Jun 17 1980	12.5" 16mm	GREAT,GREENISH BLUE COLOR,USE BARLOW AND 16MM	
NGC 6833		Planetary Neb 2	PLN,STELLAR
Sep 02 2008	31" 17mmT4	MB,ES,R,GREENISH-BLUEISH,OIII NOT MUCH HELP,NO C*,BM,BARELY DET IN FOV,R=P	
Sep 11 2004	31" 17mmT4	VB,PS,R,HISB,W/OIII,BRT BLUE BALL,FAINT OUTER HALO DET,R=G	
NGC 6834		H16-8 Open Cluster 11.0 II 2 m	CL,P,LC,*11...12
Sep 19 1984	12.5" 16mm	SAME,MB,MS,LARGE DARK NEB NORTH SEVERAL DEGREES,STANDS OUT WELL	
Jul 30 1981	12.5" 24mm	MB,ML,EASILY DET,B* IN CENTER,SMALL CLUSTERING TO N SIDE	
NGC 6846		Open Cluster 12.8 II 2	EF,VS,3*INV
Sep 11 2004	31" 17mmT4	PF,MS,APPROX 50"S,NICE IN 17MM,VARIOUS MAGNITUDES,BACKGROUND GLOW,R=G	
NGC 6857		H144-3 Nebula HII	F,AM MILKY WAY ST
Jul 24 1981	12.5" 12mm	DIF,3 OR 4 F"S IN NEB,PATCHY	
NGC 6866		H59-7 Open Cluster 10.0 II 2 r	CL,L,VRI,CC
Jun 06 1981	12.5" 16mm	MB,MS	
NGC 6871		Open Cluster 6.8 II 2 p n	CL,ST L\$,D*INV
Sep 11 2004	31" 25mm	VB,EL,APPROX 20"S,LOOSLY SCATTERED,VARIOUS MAGNITUDES,R=F	
NGC 6881		Planetary Neb 2a+3	PLN,STELLAR
Aug 15 2009	31" 17mmT4	MF,VS,R,GREENISH,SMALL NUC WITH THIN FAINT OTTTER NEB,OIII,DOESNOT HELP MUCH,R=F	
Sep 18 2004	31" 17mmT4	W/OIII,VF,VS,R,FIND FIRST WITH 25MM & * HOPPING,BLUEISH,VF HALO DET,R=F	
NGC 6883		Open Cluster IV 2 m n	CL,PRI,**INV
Jun 23 2003	12.5" 9mmT6	EB,EL,APPROX 30*,LOOSE,SCATTERED,R=F	
NGC 6884		Planetary Neb 2b	PLN,STELLAR
Sep 02 2008	31" 17mmT4	MB,PS,R,UB,OIII HELPS,BLUEISH BALL,NO C*,EASILY DET IN FOV,R=F	
Jul 24 1981	12.5" 12mm	NOT SURE OF FIND,IN VOID BARREN * FIELD,DIF NEB SUSP	
NGC 6888		H72-4 Nebula E	F,VL,VME,**ATT

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NGC 6888		H72-4	Nebula E	F,VL,VME,**ATT
Sep 19 2012 36"	31mmT5		VB,W/OIII,WELL PLACED IN FOV,2 DISTINCT HALVES,ONE BRT THAN OTHER,LARGE	
Sep 04 2002 12.5"	25mm		LOBS,EXCELLENT DETAIL,AMAZING,R=EE	
Sep 04 2002 12.5"	32mm		PB,PL,BRT NEBULA,2B*S WITH GLOW OF NEB BETWEEN AND AROUND *S	
			NEB EASILY DETECTED	
NGC 6894		H13-4	Planetary Neb 4+2	RINGNEB,F,S,VVLE
Aug 15 2009 31"	17mmT4		MB,ML,OVAL,NO C*,VF* IN EDGE OF RING,MINI M57,OIII,MORE NEB,EDGES FRAILED,R=E	
Sep 04 2002 12.5"	9mmT6		MF,PS,UB,OVAL,CENTRAL REGION DARK PATCH,ONE SIDE SLIGHTLY BRIGHTER	
NGC 6910		H56-8	Open Cluster 9.6 I 3 m n	CL,PB,PS,P,PC,*20.12
Aug 13 1982 12.5"	24mm		VERY LOOSE,APPROX 20 *S,PB,PL	
NGC 6913	M29		Open Cluster 9.0 II 3 m n	CL,P,LC,STL\$\$
Mar 22 2004 12.5"	12mmT4		MESSIER MARATHON 2004	
Jun 23 2003 12.5"	9mmT6		EB,EL,APPROX 50*,VARIOUS MAGNITUDES,WELL PLACED IN 9MM,R=G	
Jul 24 1981 12.5"	16mm		MB,ML	
Mar 27 1981 12.5"	24mm		MESSIER MARATHON 1981	
Jul 05 1980 12.5"	24mm			
Jun 20 1980 12.5"	24mm			
NGC 6914			Nebula R	VF,VL,IR,DIF,2*ATT P
Sep 11 2004 31"	17mmT4		DIF,PF,VL,BRT NEB,AREAS OF NEB DET,BETTER W/O OIII,PAIRS=6914A,6914B,,DOL8,R=G	
NGC 6914A			Nebula R	
Sep 11 2004 31"	17mmT4		DIF,PF,ML,BRT NEB,BETTER W/O OIII,LESS NEB THEN OTHER PAIRS,R=F	
NGC 6914B			Nebula R	
Sep 11 2004 31"	17mmT4		DIF,PF,VL,BRT NEB,AREAS OF NEB DET,BETTER W/O OIII,PAIRS=6914,6914A,DOL8,R=G	
NGC 6916			Galaxy SBbc	EEF,PS,F*NR P,VDIFFI
Oct 12 2012 36"	17mmT4		MF,ML,OVAL,VSFAINT NUC,F* IN PLAIN OF GAL,R=F	
Jun 22 2003 12.5"	9mmT6		VDIF,VF,PS,PATCH,UB,NND,AV COMES AND GOES,2F*S IN GAL,R=P	
NGC 6960		H15-5	Nebula E	PB,CL,EIF,KAPPACYGIN
Sep 04 2002 12.5"	32mm		PB,EL,SNR,WHIPS ON BOTH SIDES OF B* EASILY DETECTED,PARTS OF SNR HAVE HISB	
NGC 6974			Nebula EN	NEB*,NEBY CE PF
Sep 11 2004 31"	17mmT4		EDIF,VF,EL,SNR,DET NEB MORE ON NORTHERN EDGE THAN SOUTHERN,R=F	
NGC 6991		H76-8	Open Cluster 5.7 III 2 n	CL,L,P,VLC
Sep 04 2002 12.5"	32mm		VB,EL,APROX 50*S,*S SIMILAR IN BRIGHTNESS,RICH * FIELD	
NGC 6992		H14-5	Nebula E	EF,EL,EE,EIF,BIFID
Sep 04 2002 12.5"	32mm		VB,EEL,SNR,HISB,ARC GOES 2 FOV'S	
NGC 6996			Open Cluster 11.0 III 2 m n	CL,P,LC

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NGC 6996		Open Cluster 11.0 III 2 m n	CL,P,LC
Sep 18 2004 31"	25mm	PB,PL,APPROX 25I'S,SIMILAR MAG,WELL PLACED,*S CLUSTERED LOOSLY,R=G	
NGC 6997		H58-8	Open Cluster III 2 m n
Sep 04 2002 12.5"	32mm	VB,EL,APPROX 40*S VARYING IN BRIGHTNESS,WELL PLACED IN 32MM	
NGC 7000		H37-5	Nebula E
Sep 19 2012 36"	31mmT5	F,EEL,DIF NEBULOSITY	
Aug 13 1982 12.5"	32mm	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 11 1982 12.5"	32mm	FITS WELL IN EYEPIECE,FIRST TIME SEEN THIS WELL, IMPRESSIVE!!! EL,ONLY CERTAIN OUTLINES DET,HUNDREDS OF *S WITH COSTAL LINE EFFECT	
NGC 7008		H192-1	Planetary Neb 3
Aug 15 2009 31"	17mmT4	CB,L,E45,R,**ATT	
Aug 11 1982 12.5"	16mm	MB,PL,PATCH,C* 13TH,2 HALVES,BROKEN,ANOTHER 13TH * IN NEB,BLOBS BOTH ENDS,OIII,HELPS,MORE NEB,BRT BLOBS BOTH ENDS,C* STILL VISIBLE,R=E MF,PL,BG COLOR,NW PART BRT,PATCHY-R,CENTRAL 14* DET,LOC E OF A FEW *S	
NGC 7013		H203-2	Galaxy SA(r)0/a
Sep 18 2004 31"	17mmT4	PB,CS,R,PSBM,PB*NP	
		PB,PL,ELONG,LARGE BNUC,MOD HISB,LARGE FARMS,HISB MIDDLE,VF* OFF NUC,SBM,R=G	
NGC 7026		Planetary Neb 3a	PB,BIN,PLN
Aug 23 2009 31"	12mmT4	MF,MS,HISB,SQ SHAPE,2 BARS BOTH SIDES OF CENT REG,NO C *,NEB EXTENDS BEYOND BARS BOTH SIDES,F* OFF ONE SIDE,OIII HELPS LITTLE,R=E	
Jul 24 1981 12.5"	12mm	DIF THROUGHOUT,9-10* W APPROX 20 SEC,UB,ELONG IN SHAPE	
NGC 7027		Planetary Neb 3a	PLN,STELLAR=8.5M
Aug 23 2009 31"	12mmT4	VB,ML,HISB,BRT GREENISH BLUE,13TH MAG * IN NEB OFF CENTER,BRT NEB AROUND *,NO C*,IRR IN SHAPE,BROKEN PARTS,F NEB DET AROUND BROKEN PARTS,OIII,HELP LITTLE,BLENDS BROKEN PARTS INTO ONE,R=E	
Jun 06 1981 12.5"	16mm	BLUE GREENISH,MB,PL	
NGC 7031		H74-8	Open Cluster 11.3 III 2 m
Sep 04 2002 12.5"	32mm	CL OF TRIP ST,LC	
		PB,PL,FEW B*S WITH MANY F*S,ELONG IN SHAPE	
NGC 7039		Open Cluster 11.3 IV 2 m	CL,VL,PRI,E,ST,10...
Sep 18 2004 31"	25mm	VB,EL,V RICH AREA OF *S,CLUSTER LOST IN BACKGROUND,R=P	
NGC 7044		H24-6	Open Cluster 15.0 I 1 r
Aug 11 1982 12.5"	24mm	CL,VF,PL,VRI,VC	
		DIF,MF,VL,ELONG,10-20 B*S SURROUNDED BY HUNDREDS F*S,FAINT GLOW W/AVERTED VIS	
NGC 7048		Planetary Neb 3b	PF,PL,DIF,IR,VLBM
Aug 23 2009 31"	12mmT4	MF,ML,OVAL,UB,3F*S IN NEB ONE SIDE,NO C*,OIII,NOT UB,PATCHY,DARK AREAS,R=G	
Jun 06 1981 12.5"	16mm	GREENISH,DIF,MF,PL	
NGC 7062		H51-7	Open Cluster 10.1 II 2 m
Aug 11 1982 12.5"	24mm	CL,PS,PRI,PC,ST13...	
		MB,ML,UNIFORM DIST,FEW B*S WITH F*S,R,APPROX 50*S	
NGC 7063		Open Cluster 8.9 III 1 p	CL,P,ST10...
Sep 18 2004 31"	25mm	PB,VL,APPROX 10*S,VARIOUS MAG,LOOSLY SCATTERED,FILLS FOV,R=F	

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NGC 7067		H50-7	Open Cluster 11.2 II 1 p	CL,P,(NEB)
Sep 04 2002 12.5"	32mm	PB,PS,APPROX 20"S,FAINT PATCH IN CLUSTER		
NGC 7082		H52-7	Open Cluster 9.9 IV 2 p	CL,L,CRI,LC,ST10..13
Sep 04 2002 12.5"	32mm	PB,VL,APPROX 20-30 *S,LOC IN RICH * FIELD,DOES NOT STAND OUT WELL		
NGC 7086		H32-6	Open Cluster 10.2 II 2 m	CL,CL,VRI,PC,*11..16
Aug 11 1982 12.5"	24mm	MB,PL,APPROX 80"S,SOMEWHAT DIVIDED IN CENTER,9...11 MAG *S		
NGC 7092	M39		Open Cluster 7.0 III 2 m	CL,VL,VP,VLC,*7...10
Mar 22 2004 12.5"	12mmT4	MESSIER MARATHON 2004		
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981		
Jun 17 1980 12.5"	24mm			
NGC 7116			Galaxy S?	VF,PL,ME
Sep 18 2004 31"	17mmT4	MF,ML,ELONG,UB,NND,VF* IN TIP,SOMEWHAT HISB,R=G		
NGC 7127			Open Cluster IV 1 p	CL,S,P,LC
Sep 18 2004 31"	17mmT4	PB,ML,APPROX 10*S,SIM IN MAG,LOOSLY SCATTERED,NICE IN 17MM,R=F		
NGC 7128		H40-7	Open Cluster 11.5 I 3 m	CL,S,PRI,HASARUBY*9
Aug 11 1982 12.5"	24mm	MB,PS,5 OR 6 B"S CIRCLING FAINTER *S,STANDS OUT WELL,APPROX 40 *S		
PGC 63211			Galaxy S	
May 16 2004 31"	17mmT4	EF,ES,PATCH,NND,SUSP,LOC GOOD,PAIRS=6783/OTHERS,R=P		
Jun 21 2003 12.5"	9mmT6	VDIF,EF,MS,PATCH,UB,COMP=IC4867,AV,R=P		
PGC 63299			Galaxy Scd:	
Sep 11 2004 31"	17mmT4	DIF,VF,MS,OVAL,UB,NND,2 VERY F"S IN GAL		
PGC 67025			Galaxy S0	
Sep 18 2004 31"	17mmT4	MF,MS,ELONG,PATCH,* IN EDGE,SOMEWHAT BM,PAIR=IC1392,R=F		
SH1 89			Planetary Neb 3a	
Sep 02 2008 31"	17mmT4	EDIF,EF,MS,OVAL,UB,STAR HOP,BARELY VIS W/AV,OIII HELPS GREATLY,NEB DET,NO C*,R=P		