

# Cygnus - The Swan

<b>ABELL 78</b>		<b>Planetary Neb</b>
Sep 18 2004 31"	17mmT4	VDIF,W/OIII,VF,ML,CENTRAL * APPROX 13TH MAG,R,AREA OF NEB DETECTED,R=F
<b>B 349</b>		<b>Nebula</b>
Sep 18 2004 31"	25mm	VF,ML,DARK NEBULA,BLACK HOLE DET IN MIDDLE OF RICH * FOV,R=G
<b>DOL 8</b>		<b>Open Cluster I 2pn</b>
Sep 11 2004 31"	17mmT4	PB,ML,APPROX 15*S,LOOSLY SCATTERED,NICE IN FOV,ON EDGE OF 6914A,R=F
<b>HENIZ 2-450</b>		<b>Planetary Neb 1</b>
Jun 19 2004 31"	17mmT4	PF,ES,WITH OIII,VERY STELLAR LIKE,SOMEWHAT BLUE,R=F
<b>IC 1301</b>		<b>Galaxy Scd:</b>
May 16 2004 31"	17mmT4	VF,VS,PATCH,UB,NND,R=P
<b>IC 1302</b>		<b>Galaxy SAB(s)c?</b>
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
<b>IC 1303</b>		<b>Galaxy SAc:</b>
Sep 11 2004 31"	17mmT4	PF,MS,OVAL,UB,4F*S IN A LINE IN GAL,5 *S TOTAL,R=F
<b>IC 1311</b>		<b>Open Cluster 17.0 I</b>
Sep 11 2004 31"	25mm	PF,VL,NICE IN FOV,APPROX 10*S,SAME MAGNITUDE,FEW B*S IN FOV,R=G
<b>IC 1318</b>		<b>Nebula E</b>
Sep 11 2004 31"	25mm	VDIF,VF,EL,W/OIII,VERY LARGE SEVERAL FOV'S,SCAN AREA,NEB DETECTED,R=F
<b>IC 1369</b>		<b>Open Cluster 12.1 II</b>
Sep 18 2004 31"	25mm	MB,ML,APPROX 30*S,WELL PLACED,CLUSTERED WELL,APPROX SAME MAG,R=G
<b>IC 1392</b>		<b>Galaxy S0-:</b>
Sep 18 2004 31"	17mmT4	MB,ML,ELONG,LARGE BNUC,BETWEEN *S,SLIGHTLY BM,MOD HISB MIDDLE,PAIR=PGC,R=G
<b>IC 4867</b>		<b>Galaxy S0</b>
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
<b>IC 4996</b>		<b>Open Cluster 8.0 II</b>
Jun 23 2003 12.5"	9mmT6	EB,PL,APPROX 20*,3B*S IN CENTER WITH FAINTER *S,VARIOUS MAGNITUDES,R=G
<b>IC 5067</b>		<b>Nebula EN</b>
Sep 18 2004 31"	25mm	EDIF,EF,EL,SEVERAL FOV'S,SCAN AREA,NEB PATCHES DET,R=P
<b>IC 5068</b>		<b>Nebula E</b>
Sep 18 2004 31"	25mm	VDIF,EF,EL,SEVERAL FOV'S,SCAN AREA,VF NEB PATCHES DETECTED,R=P

## Cygnus - The Swan

<b>IC 5076</b>			<b>Nebula E</b>	
Sep 18 2004	31"	25mm	DIF,W/OIII,MF,PL,SHISB,NEB EASILY DET AROUND B*,AV REVEALS MORE NEB,R=G	
<b>IC 5117</b>			<b>Planetary Neb 2</b>	
Sep 18 2004	31"	17mmT4	MB,VS,R,HISB,W/OIII,* CLOSE BY,BRT BLUE,VERY SMALL DISC,FNEB DET WITH AV,R=F	
<b>IC 5146</b>			<b>Nebula E</b>	
Sep 18 2004	31"	25mm	VDIF,VF,PL,HINT OF NEB DET,SMALL CLUSTER OF APPROX 6*S,OIII DOES NOT HELP,R=P	
<b>KOH 4-37</b>			<b>Planetary Neb</b>	
Jun 19 2004	31"	17mmT4	VDIF,EF,PS,WITH OIII,EXTREMELY DIF,KOHOUTEK 4-34,R=P	
<b>KOH 4-41</b>			<b>Planetary Neb</b>	
Sep 11 2004	31"	17mmT4	EF,ES,PATCH,W/OIII,JUST OUTSIDE 3 F*S.R=P	
<b>MAC 1916+4604</b>			<b>Galaxy</b>	
May 16 2004	31"	17mmT4	PF,PS,OVAL,PATCH,UB,NND,PAIRS=6783/OTHERS,R=F	
<b>NGC 6764</b>			<b>Galaxy SB(s)bc</b>	<b>PF,PL,ME,SEVVF*INV</b>
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	
<b>NGC 6783</b>			<b>Galaxy C</b>	<b>EF,DIFFIC</b>
May 16 2004	31"	17mmT4	MF,MS,OVAL,LARGE FNUC,PAIRS=P63211/IC4867,MAC,R=F	
<b>NGC 6798</b>			<b>Galaxy S0</b>	<b>F,VS,R,*VNR</b>
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	
<b>NGC 6801</b>			<b>Galaxy SAcd</b>	<b>EF,PS,R,F*S NR</b>
Jun 21 2003	12.5"	9mmT6	MB,ML,OVAL,*NUC,VF* IN GAL AND AROUND GAL,R=F	
<b>NGC 6811</b>			<b>Open Cluster 11.0 II</b>	<b>CL,L,PRI,LC,ST11..14</b>
Jun 06 1981	12.5"	16mm	VB,VL	
<b>NGC 6819</b>			<b>Open Cluster 11.0 I</b>	<b>CL,VL,VRI,*11...15</b>
Sep 04 2002	12.5"	32mm	VP,VL,NICELY PLACED,APPROX 50*S,*S SIMUAR MAG	
<b>NGC 6824</b>			<b>H878-2 Galaxy SA(s)b:</b>	<b>PB,IF,BM</b>
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	
<b>NGC 6826</b>			<b>H73-4 Planetary Neb 3a+2</b>	<b>PLN,B,PL,R,*11M</b>
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	

## Cygnus - The Swan

<b>NGC 6833</b>			<b>Planetary Neb 2</b>	<b>PLN,STELLAR</b>	
Sep 11 2004	31"	17mmT4	VB,PS,R,HISB,W/OIII,BRT BLUE BALL,FAINT OUTER HALO	DET,R=G	
<b>NGC 6834</b>			<b>H16-8</b>	<b>Open Cluster 11.0 II</b>	<b>CL,P,LC,*11...12</b>
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		
<b>NGC 6846</b>			<b>Open Cluster 12.8 II</b>	<b>EF,VS,3*INV</b>	
Sep 11 2004	31"	17mmT4	PF,MS,APPROX 50*S,NICE IN 17MM,VARIOUS MAGNITUDES,BACKGROUND GLOW,	R=G	
<b>NGC 6857</b>			<b>H144-3</b>	<b>Nebula HII</b>	<b>F,AM MILKY WAY ST</b>
Jul 24 1981	12.5"	12mm	DIF,3 OR 4 F*S IN NEB,PATCHY		
<b>NGC 6866</b>			<b>H59-7</b>	<b>Open Cluster 10.0 II</b>	<b>CL,L,VRI,CC</b>
Jun 06 1981	12.5"	16mm	MB,MS		
<b>NGC 6871</b>			<b>Open Cluster 6.8 II</b>	<b>CL,ST L\$,D*INV</b>	
Sep 11 2004	31"	25mm	VB,EL,APPROX 20*S,LOOSLY SCATTERED,VARIOUS MAGNITUDES,	R=F	
<b>NGC 6881</b>			<b>Planetary Neb 2a+3</b>	<b>PLN,STELLAR</b>	
Sep 18 2004	31"	17mmT4	W/OIII,VF,VS,R,FIND FIRST WITH 25MM & * HOPPING,BLUEISH,VF HALO	DET,R=F	
<b>NGC 6883</b>			<b>Open Cluster IV 2 m n</b>	<b>CL,PRI,**INV</b>	
Jun 23 2003	12.5"	9mmT6	EB,EL,APPROX 30*,LOOSE,SCATTERED,	R=F	
<b>NGC 6884</b>			<b>Planetary Neb 2b</b>	<b>PLN,STELLAR</b>	
Jul 24 1981	12.5"	12mm	NOT SURE OF FIND,IN VOID BARREN * FIELD,DIF NEB SUSP		
<b>NGC 6888</b>			<b>H72-4</b>	<b>Nebula E</b>	<b>F,VL,VME,**ATT</b>
Sep 04 2002	12.5"	25mm	PB,PL,BRT NEBULA,2B*S WITH GLOW OF NEB BETWEEN AND AROUND *S		
Sep 04 2002	12.5"	32mm	NEB EASILY DETECTED		
<b>NGC 6894</b>			<b>H13-4</b>	<b>Planetary Neb 4+2</b>	<b>RINGNEB,F,S,VVLE</b>
Sep 04 2002	12.5"	9mmT6	MF,PS,UB,OVAL,CENTRAL REGION DARK PATCH,ONE SIDE SLIGHTLY BRIGHTER		
<b>NGC 6910</b>			<b>H56-8</b>	<b>Open Cluster 9.6 I 3</b>	<b>CL,PB,PS,P,PC,*20.12</b>
Aug 13 1982	12.5"	24mm	VERY LOOSE,APPROX 20 *S,PB,PL		
<b>NGC 6913</b>	<b>M29</b>		<b>Open Cluster 9.0 II</b>	<b>CL,P,LC,STL\$\$</b>	
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			
<b>NGC 6914</b>			<b>Nebula R</b>	<b>VF,VL,IR,DIF,2*ATT P</b>	

## Cygnus - The Swan

<b>NGC 6914</b>		<b>Nebula R</b>	<b>VF,VL,IR,DIF,2*ATT P</b>
Sep 11 2004 31"	17mmT4	DIF,PF,VL,BRT NEB,AREAS OF NEB DET,BETTER W/O OIII,PAIRS=6914A,6914B,,DOL8,R=G	
<b>NGC 6914A</b>		<b>Nebula R</b>	
Sep 11 2004 31"	17mmT4	DIF,PF,ML,BRT NEB,BETTER W/O OIII,LESS NEB THEN OTHER PAIRS,R=F	
<b>NGC 6914B</b>		<b>Nebula R</b>	
Sep 11 2004 31"	17mmT4	DIF,PF,VL,BRT NEB,AREAS OF NEB DET,BETTER W/O OIII,PAIRS=6914,6914A,DOL8,R=G	
<b>NGC 6916</b>		<b>Galaxy SBbc</b>	<b>EEF,PS,F*NR P,VDIFFI</b>
Jun 22 2003 12.5"	9mmT6	VDIF,VF,PS,PATCH,UB,NND,AV COMES AND GOES,2F*S IN GAL,R=P	
<b>NGC 6960</b>		<b>H15-5 Nebula E</b>	<b>PB,CL,EIF,KAPPACYGIN</b>
Sep 04 2002 12.5"	32mm	PB,EL,SNR,WHIPS ON BOTH SIDES OF B* EASILY DETECTED,PARTS OF SNR HAVE HISB	
<b>NGC 6974</b>		<b>Nebula EN</b>	<b>NEB*,NEBY CE PF</b>
Sep 11 2004 31"	17mmT4	EDIF,VF,EL,SNR,DET NEB MORE ON NORTHERN EDGE THAN SOUTHERN,R=F	
<b>NGC 6991</b>		<b>H76-8 Open Cluster 5.7 III</b>	<b>CL,L,P,VLC</b>
Sep 04 2002 12.5"	32mm	VB,EL,APROX 50*S,*S SIMILAR IN BRIGHTNESS,RICH * FIELD	
<b>NGC 6992</b>		<b>H14-5 Nebula E</b>	<b>EF,EL,EE,EIF,BIFID</b>
Sep 04 2002 12.5"	32mm	VB,EEL,SNR,HISB,ARC GOES 2 FOV'S	
<b>NGC 6996</b>		<b>Open Cluster 11.0 II</b>	<b>CL,P,LC</b>
Sep 18 2004 31"	25mm	PB,PL,APPROX 25I'S,SIMILAR MAG,WELL PLACED,*S CLUSTERED LOOSLY,R=G	
<b>NGC 6997</b>		<b>H58-8 Open Cluster III 2 m</b>	<b>CL,P,LC,ST L</b>
Sep 04 2002 12.5"	32mm	VB,EL,APPROX 40*S VARYING IN BRIGHTNESS,WELL PLACED IN 32MM	
<b>NGC 7000</b>		<b>H37-5 Nebula E</b>	<b>F,EEL,DIF NEBULOSITY</b>
Aug 13 1982 12.5"	32mm	FITS WELL IN EYEPIECE,FIRST TIME SEEN THIS WELL, IMPRESSIVE!!!	
Aug 11 1982 12.5"	32mm	EL,ONLY SERTAIN OUTLINES DET,HUNDREDS OF *S WITH COSTAL LINE EFFECT	
<b>NGC 7008</b>		<b>H192-1 Planetary Neb 3</b>	<b>CB,L,E45,R,**ATT</b>
Aug 11 1982 12.5"	16mm	MF,PL,BG COLOR,NW PART BRT,PATCHY-R,CENTRAL 14* DET,LOC E OF A FEW *S	
<b>NGC 7013</b>		<b>H203-2 Galaxy SA(r)0/a</b>	<b>PB,CS,R,PSBM,PB*NP</b>
Sep 18 2004 31"	17mmT4	PB,PL,ELONG,LARGE BNUC,MOD HISB,LARGE FARMS,HISB MIDDLE,VF* OFF NUC,SBM,R=G	
<b>NGC 7026</b>		<b>Planetary Neb 3a</b>	<b>PB,BIN,PLN</b>
Jul 24 1981 12.5"	12mm	DIF THROUGHOUT,9-10* W APPROX 20 SEC,UB,ELONG IN SHAPE	
<b>NGC 7027</b>		<b>Planetary Neb 3a</b>	<b>PLN,STELLAR=8.5M</b>
Jun 06 1981 12.5"	16mm	BLUE GREENISH,MB,PL	
<b>NGC 7031</b>		<b>H74-8 Open Cluster 11.3 II</b>	<b>CL OF TRIP ST,LC</b>

## Cygnus - The Swan

<b>NGC 7031</b> Sep 04 2002 12.5" 32mm	<b>H74-8</b> PB,PL,FEW B*S WITH MANY F*S,ELONG IN SHAPE	<b>Open Cluster 11.3 II</b>	<b>CL OF TRIP ST,LC</b>
<b>NGC 7039</b> Sep 18 2004 31" 25mm	VB,EL,V RICH AREA OF *S,CLUSTER LOST IN BACKGROUND,R=P	<b>Open Cluster 11.3 IV</b>	<b>CL,VL,PRI,E,ST,10...</b>
<b>NGC 7044</b> Aug 11 1982 12.5" 24mm	DIF,MF,VL,ELONG,10-20 B*S SURROUNDED BY HUNDREDS F*S,FAINT GLOW W/AVERTED VIS	<b>H24-6</b> <b>Open Cluster 15.0 I</b>	<b>CL,VF,PL,VRI,VC</b>
<b>NGC 7048</b> Jun 06 1981 12.5" 16mm	GREENISH,DIF,MF,PL	<b>Planetary Neb 3b</b>	<b>PF,PL,DIF,IR,VLBM</b>
<b>NGC 7062</b> Aug 11 1982 12.5" 24mm	MB,ML,UNIFORM DIST,FEW B*S WITH F*S,R,APPROX 50*S	<b>H51-7</b> <b>Open Cluster 10.1 II</b>	<b>CL,PS,PRI,PC,ST13...</b>
<b>NGC 7063</b> Sep 18 2004 31" 25mm	PB,VL,APPROX 10*S,VARIOUS MAG,LOOSLY SCATTERED,FILLS FOV,R=F	<b>Open Cluster 8.9 III</b>	<b>CL,P,ST10...</b>
<b>NGC 7067</b> Sep 04 2002 12.5" 32mm	PB,PS,APPROX 20*S,FAINT PATCH IN CLUSTER	<b>H50-7</b> <b>Open Cluster 11.2 II</b>	<b>CL,P,(NEB)</b>
<b>NGC 7082</b> Sep 04 2002 12.5" 32mm	PB,VL,APROX 20-30 *S,LOC IN RICH * FIELD,DOES NOT STAND OUT WELL	<b>H52-7</b> <b>Open Cluster 9.9 IV</b>	<b>CL,L,CRI,LC,ST10..13</b>
<b>NGC 7086</b> Aug 11 1982 12.5" 24mm	MB,PL,APPROX 80*S,SOMEWHAT DIVIDED IN CENTER,9...11 MAG *S	<b>H32-6</b> <b>Open Cluster 10.2 II</b>	<b>CL,CL,VRI,PC,*11..16</b>
<b>NGC 7092</b> Mar 22 2004 12.5" 12mmT4 Mar 27 1981 12.5" 24mm Jun 17 1980 12.5" 24mm	MESSIER MARATHON 2004 MESSIER MARATHON 1981	<b>M39</b> <b>Open Cluster 7.0 III</b>	<b>CL,VL,VP,VLC,*7...10</b>
<b>NGC 7116</b> Sep 18 2004 31" 17mmT4	MF,ML,ELONG,UB,NND,VF* IN TIP,SOMEWHAT HISB,R=G	<b>Galaxy S?</b>	<b>VF,PL,ME</b>
<b>NGC 7127</b> Sep 18 2004 31" 17mmT4	PB,ML,APPROX 10*S,SIM IN MAG,LOOSLY SCATTERED,NICE IN 17MM,R=F	<b>Open Cluster IV 1 p</b>	<b>CL,S,P,LC</b>
<b>NGC 7128</b> Aug 11 1982 12.5" 24mm	MB,PS,5 OR 6 B*S CIRCLING FAINTER *S,STANDS OUT WELL,APPROX 40 *S	<b>H40-7</b> <b>Open Cluster 11.5 I</b>	<b>CL,S,PRI,HASARUBY*9</b>
<b>PGC 63211</b> May 16 2004 31" 17mmT4 Jun 21 2003 12.5" 9mmT6	EF,ES,PATCH,NND,SUSP,LOC GOOD,PAIRS=6783/OTHERS,R=P VDIF,EF,MS,PATCH,UB,COMP=IC4867,AV,R=P	<b>Galaxy S</b>	
<b>PGC 63299</b> Sep 11 2004 31" 17mmT4	DIF,VF,MS,OVAL,UB,NND,2 VERY F*S IN GAL	<b>Galaxy Scd:</b>	

## Cygnus - The Swan

**PGC 67025**

**Galaxy S0**

Sep 18 2004 31" 17mmT4 MF,MS,ELONG,PATCH,\* IN EDGE,SOMEWHAT BM,PAIR=IC1392,R=F