

Observations Listing by Date

July 25, 2017

Home

NGC 3031 12"	UMa 11mmT6	M81 NOT BAD.	Galaxy SA(s)ab	EB,EL,E156,GSVMBMBN 2
NGC 3034 12"	UMa 11mmT6	M82 H79-4 NOT BAD	Galaxy I0 sp	VB,VL,VME(RAY)
NGC 3147 12"	Dra 11mmT6	H79-1 PF,PS,OVAL,MEXT,NND,R=F	Galaxy SA(rs)bc	VB,L,R,VGVSVMBM
NGC 6709 12"	Aql 11mmT6	B,S,R=G	Open Cluster 9.0 IV 2 m	CL,PRI,LC,IF
NGC 6724 12"	Aql 11mmT6	F,PS,R=P, 12+ STARS	Open Cluster 12.0 cluster?	CL
NGC 6735 12"	Aql 11mmT6	F,S,R=F	Open Cluster 12.0	CL,VL,P,ST12...
NGC 6738 12"	Aql 11mmT6	F,S,R=F	Open Cluster IV 2 p	CL,P,LC
NGC 6749 12"	Aql 11mmT6	PF,PS,R=F. COULD NOT RESOLVE ANY STARS.	Globular	CL,L,LC,ST L\$\$
NGC 6760 12"	Aql 11mmT6	VF,VS,R=F	Globular	2 19 08.6+0057
NGC 6803 12"	Aql 11mmT6	VF,VS,R=F USED LP2.	Planetary Neb 2a	PLN,STELLAR
NGC 6804 12"	Aql 11mmT6	VF,VS,R=F. USED LP2	Planetary Neb 4+2	CB,S,IR,RRR
NGC 6814 12"	Aql 11mmT6	PF,PS,R,NND,R=F	Galaxy SAB(rs)bc	PF,PL,R,BM,R
NGC 6852 12"	Aql 11mmT6	VF,VS,R=F. USED LP2	Planetary Neb 4	F NEB,AM ST
NGC 6905 12"	Del 11mmT6	F,PS,R=G.. USED LP2	Planetary Neb 3+3	PLN,B,PS,R,4S*NR

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CR	399	Vul		Open Cluster III3m	
	12"	17mmT4	VERY NICE.	R=G	
IC	4846	Aql		Planetary Neb 2	
	12"	11mmT6	VF,VS,	R=F. LP2 FILTER	
IC	5070	Cyg		Non-Existent	
	12"	27m PN	F,PL,	R=F.	
NGC	6514	Sgr	M20 H41-4	Nebula EN+OC	VB,VL,TRIFID,D*INV
	12"	27m PN	LOOKS MUCH BETTER WITH 27MM PANOPTIC.		
NGC	6514	Sgr	M20 H41-4	Nebula EN+OC	VB,VL,TRIFID,D*INV
	12"	17mmT4	LP2 FILTER HELPS A BIT.		
NGC	6611	Ser	M16	Open Cluster 11.0 II 3 m n	CL,ATLEAST100* L\$\$
	12"	17mmT4	LP2 FILTER HELPS A BIT		
NGC	6618	Sgr	M17	Nebula EN+OC	B,EL,EIF,2HOOKED
	12"	17mmT4	BETTER WITH 27 PANOPTIC		
NGC	6618	Sgr	M17	Nebula EN+OC	B,EL,EIF,2HOOKED
	12"	27m PN	BEAUTIFUL WITH LP2 FILTER		
NGC	6705	Sct	M11	Open Cluster 11.0 I 2 r	CL,VB,L,IR,RI,*9,
	12"	17mmT4	VERY NICE. FULL OF STARS. R=G		
NGC	6779	Lyr	M56	Globular	GCL,B,L,IR,GVMCM,RRR
	12"	11mmT6	F,S,R=G		
NGC	6826	Cyg	H73-4	Planetary Neb 3a+2	PLN,B,PL,R,*11M
	12"	11mmT6	F,PS,R=G. SQM=20.01. 71 DEGREES OUT.		
NGC	6838	Sge	M71	Globular	CL,VL,VRI,PMC,*11.16
	12"	11mmT6	F,S,R=G. LOOKED BETTER THAN M56		
NGC	6913	Cyg	M29	Open Cluster 9.0 II 3 m n	CL,P,LC,STL\$\$
	12"	17mmT4	VERY NICE. R=G		
NGC	6940	Vul	H8-7	Open Cluster 11.0 III 2 r	CL,VB,VL,VRI,CC,STPL
	12"	17mmT4	VERY NICE. FULL AND SCATTERED.		
NGC	6960	Cyg	H15-5	Nebula E	PB,CL,EIF,KAPPACYGIN
	12"	27m PN	F,L,R=E. LP2. NICE CONTRAST		
NGC	6995	Cyg		Non-Existent	F,EL,NEB\$ST INGROUPS
	12"	27m PN	F,L,R=E!! LP2 FILTER. SHOWPIECE OBJECT.		
NGC	7000	Cyg	H37-5	Nebula E	F,EEL,DIF NEBULOSITY
	12"	35mm A	OUTSTANDING.		
NGC	7092	Cyg	M39	Open Cluster 7.0 III 2 m	CL,VL,VP,VLC,*7...10
	12"	17mmT4	LARGER THAN M29		

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NGC 5904 12"	Ser 17mmT4	M5 CAN RESOLVE SOME STARS.	Globular	GCL,VB,L,ECM,*11..15
NGC 6121 12"	Sco 17mmT4	M4 WASHED OUT. MOON NINE DAYS OLD.	Globular	CL,8OR10B*LINE,RRR
NGC 6171 12"	Oph 17mmT4	M107 H40-6 OK	Globular	GCL,L,VRI,VMC,R,RRR
NGC 6205 12"	Her 17mmT4	M13 LOOKED PRETTY GOOD	Globular	GCL,EB,VRI,VGECM,*11
NGC 6218 12"	Oph 17mmT4	M12 NOT AS BRIGHT AS M 10.	Globular	GCL,VB,VL,IR,GMBM
NGC 6254 12"	Oph 17mmT4	M10 NOT TOO BAD.	Globular	GCL,B,VL,R,GVMBM,RRR
NGC 6273 12"	Oph 17mmT4	M19 SMUDGE. CANNOT RESOLVE ANY STARS	Globular	GCL,VB,L,R,VCM,RRR
NGC 6284 12"	Oph 17mmT4	H11-6 PF,PS,R=F. SMUDGE	Globular	GCL,B,L,R,CM,ST16...
NGC 6341 12"	Her 17mmT4	M92 GOOD	Globular	GCL,VB,VL,ECM,ST S
NGC 6633 12"	Oph 17mmT4	H72-8 LOOSE CLUMP	Open Cluster 8.0 III 2 m	CL,LC,ST L
NGC 6720 12"	Lyr 17mmT4	M57 SURPRISINGLY NOT TOO BAD	Planetary Neb 4+3	RINGNEB,B,PL,CE,LYRA

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May 15, 2017

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NGC 3294 12"	LMi 7mm TV	H164-1 PF,PS,OVAL,UB,NND,R=F	Galaxy SA(s)c	CB,L,ME135,GLBM
NGC 3338 12"	Leo 7mm TV	H77-2 VF,PS,OVAL,UB,NND,R=F	Galaxy SA(s)c	F,CL,E,VGBM,*7P10S
NGC 3344 12"	LMi 7mm TV	H81-1 F,PS,OVAL,UB,NND,R=G. 3 STARS SUPERIMPOSED ON GALAXY.	Galaxy (R)SAB(r)bc	CB,L,GBM,*INV,2ST F
NGC 3367 12"	Leo 7mm TV	H78-2 VF,PS,R,UB,NND,R=G	Galaxy SB(rs)c	PB,CL,IR,VGLBM,R,1-3
NGC 3371 12"	Leo 7mm TV	Galaxy PF,PS,OVAL,MEXST,FNUC,R=F		EF,R,2ND OF 3
NGC 3373 12"	Leo 7mm TV	Galaxy SA0: PF,VS,OVAL,MEXTMFNUC,R=G		F,R,3RD OF 3
NGC 3377A 12"	Leo 7mm TV	Galaxy SAB(s)m VF,VS,OVAL,UB,NND,R=F		
NGC 3377 12"	Leo 7mm TV	H99-2 PF,PS,OVAL,FNUC,R=G	Galaxy E5-6	VB,CL,LE,SVMBMBN
NGC 3395 12"	LMi 7mm TV	H116-1 VF,PS,OVAL,MEXT,UB,NND,R=G. PAIRED W/NGC3396	Galaxy SAB(rs)cd pec:	CB,PS,ILE,1ST OF 2
NGC 3396 12"	LMi 7mm TV	H117-1 VF,PS,OVAL,MEXTG,UB,NND,R=F. PAIRED W/NGC3395	Galaxy IBm pec	PB,PS,ILE,2ND OF 2
NGC 3413 12"	LMi 7mm TV	H493-2 VF,VS,OVAL,MEXT,UB,NND,R=F	Galaxy S0 sp	F,S
NGC 3414 12"	LMi 7mm TV	H362-2 PF,PS,OVAL,MEXT,FNUC,R=G	Galaxy S0 pec	B,PL,R,MBM
NGC 3418 12"	LMi 7mm TV	H363-2 VF,PS,OVAL,UB,NND,R=F	Galaxy SAB(s)0/a:	CF,S,R,BM
NGC 3424 12"	LMi 7mm TV	H494-2 PF,PS,OVAL,VEXT,UB,NND,R=G	Galaxy SB(s)b:?	PF,PL,LE,SP OF 3
NGC 3430 12"	LMi 7mm TV	H118-1 PF,PS,OVALMUB,NND,R=F	Galaxy SAB(rs)c	PB,L,IE,GBM,2ND OF 3
NGC 3432 12"	LMi 7mm TV	H172-1 PF,PS,EON,UB,NND,R=G	Galaxy SB(s)m sp	PB,PL,VME40,**NR SP
NGC 3486 12"	LMi 7mm TV	H87-1 PF,PS,OVAL,MEXT,UB,NND,R=F	Galaxy SAB(r)c	CB,CL,R,GMBM

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IC	4277	CVn		Galaxy	
	12"	11mmT6	B,PS,R,BNUC,R=G		
NGC	3031	UMa	M81	Galaxy SA(s)ab	EB,EL,E156,GSVMBMBN 2
	12"	11mmT6	EXCELLENT		
NGC	3034	UMa	M82 H79-4	Galaxy I0 sp	VB,VL,VME(RAY)
	12"	11mmT6	EXCELLENT		
NGC	4270	Vir	H568-2	Galaxy S0	PB,S,R
	12"	11mmT6	PF,PS,OVAL,MEXT,NND,R=F		
NGC	4273	Vir	H569-2	Galaxy SB(s)c	PB,L,E,GBM
	12"	11mmT6	PF,PS,OVAL,FNUC,R=G		
NGC	4281	Vir	H573-2	Galaxy S0+: sp	B,VL,R,PGBM
	12"	11mmT6	PF,PS,OVAL,FNUC,R=G		
NGC	4298	Com	H111-2	Galaxy SA(rs)c	F,L,E,VGBM,P OF 2
	12"	11mmT6	PF,PS,OVAL,UB,NND,R=G. PAIRED W/NGC4302		
NGC	4302	Com	H112-2	Galaxy Sc	L,VME177,F OF 2
	12"	11mmT6	PF,PS,EON,UB,NND,R=F. PAIRED W/NGC4398		
NGC	4374	Vir	M84	Galaxy E1	VB,PL,R,PSBM,R
	12"	11mmT6	F,VS,R,BNUC,R=E		
NGC	4387	Vir	H167-2	Galaxy E	PF,VS,R,*13NP90,NP-2
	12"	11mmT6	F,PS,OVAL,FNUC,R=E		
NGC	4388	Vir	H168-2	Galaxy SA(s)b: sp	VF,E,SF OF 2
	12"	11mmT6	F,PS,EON,BNUC,R=E		
NGC	4406	Vir	M86	Galaxy E3	VB,L,R,GBMN,R
	12"	11mmT6	F,PS,R,BNUC,R=E		
NGC	4435	Vir	H28-1	Galaxy SB(s)0^	VB,CL,R,NP OF 2
	12"	11mmT6	F,PS,R,FNUC,R=E		
NGC	4438	Vir	H28-1	Galaxy SA(s)0/a pec:	B,CL,VLE,R,SF OF 2
	12"	11mmT6	F,PS,EON,FNUC,R=E		
NGC	4473	Com	H114-2	Galaxy E5	PB
	12"	11mmT6	PF,PS,OVAL,MEXT,FNUC,R=G		
NGC	4477	Com	H115-2	Galaxy SB(s)0:?	PB,CL
	12"	11mmT6	PF,PS,R,FNUC,R=G		
NGC	4590	Hya	M68	Globular	GCL,L,ERI,VC,IR,ST12
	12"	11mmT6	LOW ON HORIZON. JUST A SMUDGE		
NGC	4594	Vir	M104 H43-1	Galaxy SA(s)a sp	VB,VL,EE92,VSMBMN
	12"	11mmT6	VERY NICE.		
NGC	4826	Com	M64	Galaxy (R)SA(rs)ab	VB,VL,VME120,BMSBN
	12"	11mmT6	R=E		

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NGC	5055	CVn	M63	Galaxy SA(rs)bc	VB,L,PME120,VSMBMBN
	12"	11mmT6	R=E		
NGC	5194	CVn	M51	Galaxy SA(s)bc pec	GREAT SPIRAL NEBULA
	12"	11mmT6	B,S,R,BNUC,R=E.	SOME STRUCTURE NOTED IN ARMS	
NGC	5272	CVn	M3	Globular	GCL,EB,VL,VSMBM,*11.
	12"	17mmT4		NICE OBJECT. FIRST GLOBULAR OF THE SEASON	
NGC	6205	Her	M13	Globular	GCL,EB,VRI,VGECM,*11
	12"	11mmT6	GREAT		
NGC	6341	Her	M92	Globular	GCL,VB,VL,ECM,ST S
	12"	11mmT6	RESOLVED STARS		

October 5, 2016

Home

IC	10	Cas		Galaxy IBm	
	12"	11mmT6	PF,S,OVAL,DIFF,NND,R=F		
NGC	40	Cep	H58-4	Planetary Neb 3b+3	F,VS,R,VSMBM,*12SP
	12"	11mmT6	B,VS,R=G.	OIII HELPS. NOT SURE ABOUT CENTRAL STAR	
NGC	214	And	H209-2	Galaxy SAB(r)c	PF,PS,GVLBM,R
	12"	8mm Et	PF,S,R,UB,NND,R=G.	MIRACH'S GHOST	
NGC	278	Cas	H159-1	Galaxy SAB(rs)b	CB,PL,R,2*10NR
	12"	11mmT6	F,S,FNUC,R=G		
NGC	404	And	H224-2	Galaxy SA(s)0-:	PB,CL,R,GBM,
	12"	8mm Et	PF,S,R,UB,NND,R=F		
NGC	6155	Her	H690-2	Galaxy S?	F,PS,IF,GBM
	12"	8mm Et	PF,VS,UB,NND,R=F		
NGC	6166	Her	H875-2	Galaxy E+2 pec	PF,S,VLE,VGMBM
	12"	8mm Et	PF,PS,OVAL,MEXT,NND,R=F		
NGC	7089	Aqr	M2	Globular	GCL,B,VL,GPMBM,RRR
	12"	11mmT6	B,L,R=G		
NGC	7469	Peg	H230-3	Galaxy (R')SAB(rs)a	VF,VS,VSMBM *12
	12"	8mm Et	PF,PS,OVAL,UB,NND,R=F		
NGC	7492	Aqr	H558-3	Globular	EF,L,BET2D*
	12"	11mmT6	F,PS,R=G		
NGC	7635	Cas	H52-4	Nebula E	VF,*8INV L EXCENTRIC
	12"	11mmT6	VF,S,R=F.	DETECTED SOME NEBULOSITY W/O OIII. LITTLE BETTER WITH OIII.	
NGC	7662	And	H18-4	Planetary Neb 4+3	PLN ORRING,VB,PS,R
	12"	11mmT6	B,S,OIII,R=G.	BLUE STREAK NEBULA	

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NGC	23	Peg	H147-3	Galaxy SB(s)a	3S*+NEB
	12"	8mm Et	F,S,R,UB,NND,R=F		
NGC	26	Peg		Galaxy SA(rs)ab	VF,PL,R,2F*N
	12"	8mm Et	VF,S,R,UB,NND,AV,R=F		
NGC	225	Cas	H78-8	Open Cluster 9.3 III 1 p n	CL,L,LC,*9...10
	12"	11mmT6	B,L,R=F. SAILBOAT CLUSTER		
NGC	281	Cas		Nebula E	F,VL,DIF,STRIP*NP
	12"	17mmT4	B,L,R=G. NEEDS OIII.		
NGC	457	Cas	H42-7	Open Cluster 8.6 II 3 r	CL,B,L,PRI,*7,8,10
	12"	11mmT6	B,L,R=G. OWL CLUSTER		
NGC	869	Per	H33-6	Open Cluster 6.6 I 3 r	CL,VVL,VRI,*7...14
	12"	17mmT4	GREAT OBJECT.		
NGC	884	Per	H34-6	Open Cluster 6.4 I 3 r	CL,VL,VRI,RUBY*M
	12"	17mmT4	GREAT OBJECT.		
NGC	2289	Gem	H898-3	Galaxy S0	EF,VS
	12"	17mmT4	B,L,R=E. CAROLINE'S ROSE.		
NGC	7042	Peg	H209-3	Galaxy Sb	VF,S,R
	12"	8mm Et	F,S,OVAL,MEXT,UB,NND,R=F		
NGC	7137	Peg	H261-2	Galaxy SAB(rs)c	F,PS,R,VGLBM,R
	12"	8mm Et	PF,S,OVAL,UB,NND,R=F		
NGC	7177	Peg	H247-2	Galaxy SAB(r)b	PB,PS,R,BMN,R,*SP
	12"	8mm Et	PF,PS,OVAL,UB,NND,R=G		
NGC	7217	Peg	H207-2	Galaxy (R)SA(r)ab	B,PL,GBM,ER
	12"	8mm Et	B,S,R,FNUC,R=G		
NGC	7332	Peg	H233-2	Galaxy S0 pec sp	CB,S,ME156,SMBMN,P-2
	12"	8mm Et	F,S,EON,BNUC,R=G		
NGC	7339	Peg	H234-2	Galaxy SAB(s)bc:?	F,PS,ME89,VGLBM,FOF2
	12"	8mm Et	PF,PS,EON,UB,NND,R=F		
NGC	7448	Peg	H251-2	Galaxy SA(rs)bc	PB,L,E173,VGBM,*F2'
	12"	8mm Et	F,S,OVAL,FNUC,R=G		
NGC	7457	Peg	H212-2	Galaxy SA(rs)0-?	CB,CL,LE,GMBM,R,2S*N
	12"	8mm Et	F,S,OVAL,MEXT,UB,NND,R=G		
NGC	7479	Peg	H55-1	Galaxy SB(s)c	PB,CL,ME12,BET2ST
	12"	8mm Et	F,S,R,UB,NND,R=F		
NGC	7814	Peg	H240-2	Galaxy SA(s)ab: sp	CB,CL,E,VGBM
	12"	8mm Et	B,S,EON,FNUC,R=G		
NGC	7817	Peg	H227-2	Galaxy SAbc: sp	PF,CL,ME45,LBM
	12"	8mm Et	VF,PS,OVAL,MEXT,NND,R=F		

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NGC 1	Peg		Galaxy SA(s)b:	F,S,R,BET*11\$*14 VF,
12"	8mm Et	PF,PS,OVAL,NND,R=F.	SQM-20.12.	53 DEGREES AT 2350 HOURS.
NGC 2	Peg		Galaxy Sab	VF,S,S OF1
12"	8mm Et	PF,PS,OVAL,NND,R=F,	PAIRED WITH NGC-1	
NGC 205	And	M110 H18-5	Galaxy E5 pec	VB,VL,ME165,VGVMBM
12"	35mm A	SUPER		
NGC 221	And	M32	Galaxy cE2	VVB,L,R,PSMBMN
12"	35mm A	SUPER		
NGC 224	And	M31	Galaxy SA(s)b	EEB,EL,VME,ANDROMEDA 17
12"	35mm A	BEAUTIFUL		
NGC 3147	Dra	H79-1	Galaxy SA(rs)bc	VB,L,R,VGVSVMBM
12"	8mm Et	PF,PS,R,FNUC,R=F,	2 STARS TO SOUTHEAST.	
NGC 4125	Dra		Galaxy E6 pec	PB,PL,CE,MBM
12"	8mm Et	PF,PS,OVAL,FNUC,R=G.		
NGC 5144	UMi	H70-4	Galaxy SAc? pec	(PLN),CB,S,R,G,SLBM
12"	8mm Et	VF,VS,OCAL,UB,NND,R=F		
NGC 5832	UMi	H332-2	Galaxy SB(rs)b?	PB,CL,IR,BP,R
12"	8mm Et	VF,PS,OVAL,AV1,R=P		
NGC 6048	UMi	H873-2	Galaxy E	F,R,BM
12"	8mm Et	PF,PS,OVAL,NND,R=F		
NGC 6068	UMi	H973-3	Galaxy SBbc?	VF,VS,LE0,R
12"	8mm Et	VF,VS,OVAL,NNDL,AV,R=F		
NGC 6217	UMi	H280-1	Galaxy (R)SB(rs)bc	B,CL,LE,SLBM
12"	8mm Et	PF,PS,OVAL,FNUC,R=F.	SQM-20.08	
NGC 6251	UMi	H974-3	Galaxy E	CF,S,BM,P OF 2
12"	8mm Et	VF,VS,R,NND,R=F		
NGC 6324	UMi	H945-3	Galaxy S?	VF,S,E,S*S
12"	8mm Et	VF,VS,OVAL,NND,R=F		
NGC 6827	Vul		Open Cluster 13.0 I 1 m	VF,E,DIF,SEV ST INV
12"	8mm Et	F,S,R=F		
NGC 6838	Sge	M71	Globular	CL,VL,VRI,PMC,*11.16
12"	8mm Et	NOT BAD. HAVEN'T LOOKED AT THIS ONE IN A WHILE.		
NGC 6853	Vul	M27	Planetary Neb 3+2	VB,VL,BIN,IE,DUMBDEL
12"	8mm Et	VERY NICE WITH/WITHOUT OIII.		
NGC 7078	Peg	M15	Globular	GCL,VB,VL,IR,VSMBM
12"	17mmT4	NICE. 1ST OBJECT FOR THE NIGHT		
NGC 7089	Aqr	M2	Globular	GCL,B,VL,GPMBM,RRR
12"	8mm Et	VERY NICE. SQM-19.67		

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NGC	7317	Peg		Galaxy E4	VF,VS
	12"	5.5mmN	VF,CS,R,NND,AV,R=P		
NGC	7318B	Peg		Galaxy SB(s)bc pec	EF,ES
	12"	5.5mmN	VF,CS,OVAL,NND,AV,R=F		
NGC	7318A	Peg		Galaxy E2 pec	EF,ES
	12"	5.5mmN	EF,CS,R,NND,R=F		
NGC	7319	Peg		Galaxy SB(s)bc pec	EF,ES
	12"	5.5mmN	CF,PS,OVAL,UB,NND,R=F		
NGC	7320	Peg		Galaxy SA(s)d	F,VS
	12"	5.5mmN	CF,PS,OVAL,UB,NND,R=F		
NGC	7327	Peg		Non-Existent	EF,ES,NP 7331
	12"	5.5mmN	VF,VS,OVAL,NND,R-F		
NGC	7331	Peg	H53-1	Galaxy SA(s)b	B,PL,PME163,SMBM
	12"	5.5mmN	PF,PS,EON,BNUC,R=E. SQM-19.96. 56 DEGREES AT 2125 HOURS		
NGC	7335	Peg	H166-3	Galaxy SA(rs)0+	VF,VS
	12"	5.5mmN	VF,VS,OVAL,NND,R=F		
NGC	7337	Peg		Galaxy SB(rs)b	EF,S,STELLAR
	12"	5.5mmN	VF,VS,OVAL,NND,R=F		

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August 7, 2016**Home**

NGC 5272 12"	CVn 8mm Et	M3 BRIGHT,SMALL,R=G	Globular	GCL,EB,VL,VSMBM,*11.
NGC 6121 12"	Sco 8mm Et	M4 BRIGHT, LARGE,R=E	Globular	CL,8OR1OB*LINE,RRR
NGC 6741 12"	Aql 8mm Et	Planetary Neb 4 PF,VS,R=F. LP3. PHANTOM STREAK.		PLN,STELLAR
NGC 6751 12"	Aql 8mm Et	Planetary Neb 3 PF,PS,R=G. LP3 GLOWING EYE.		PB,S
NGC 6781 12"	Aql 8mm Et	H743-3 Planetary Neb 3+3 PF,PS,R=G., LP3. LITTLE RING.		PLN,F,L,R,VSBM DISC
NGC 6790 12"	Aql 8mm Et	Planetary Neb 2 PF,VS,R=F. LP3. EYE OF THE EAGLE		PLN,B,ES,STELL=9.5M
NGC 6853 12"	Vul 8mm Et	M27 BRIGHT,LARGE,R=E. OUTSTANDING EVEN WITHOUT LP3.	Planetary Neb 3+2	VB,VL,BIN,IE,DUMBDEL
NGC 6974 12"	Cyg 27m PN	Nebula EN BRIGHT,LARGE,R=E. LP3.		NEB*,NEBY CE PF
NGC 6979 12"	Cyg 27m PN	H206-2 Non-Existent BRIGHT,LARGE,F=E. LP3. SQM-19.81, 62 DEGREES F.		
NGC 7029 12"	Ind 8mm Et	Galaxy E6: PB,PS,R=E. LP3. NO CENTRAL STAR NOTED.		B,CS,R,PGMBM
NGC 7078 12"	Peg 8mm Et	M15 FAINT,SMALL,R=E. FIRST OBJECT IN PEGASUS THIS YEAR.	Globular	GCL,VB,VL,IR,VSMBM

July 23, 2016**Home**

HP 1 12"	Oph 8mm Et	Globular VF,VS,R=P.		
NGC 6355 12"	Oph 8mm Et	H46-1 PF,PS,R=F. DID NOT RESOLVE.	Globular	CF,L,R,GBM,RRR
NGC 6356 12"	Oph 8mm Et	H48-1 F,S,R=F. DID NOT RESOLVE	Globular	GCL,VB,CL,VGVM,RRR
NGC 6366 12"	Oph 8mm Et	Globular VF,L,R=P. DID NOT RESOLVE.		F,L,VLBM
NGC 6611 12"	Ser 8mm Et	M16 USED LP2 & LP3. BETTER VIEW WITH LP3 (OIII).	Open Cluster 11.0 II 3 m n	CL,ATLEAST100* L\$\$

Observations Listing by Date

July 5, 2016

Home

NGC	5293	Boo	H6-5	Galaxy SA(r)c	EF,VL,RESOLVABLE
	12"	8mm Et		VF,VS,OVAL,MEXT,UB,NND,R=F	
NGC	5332	Boo		Galaxy S0-	VF,S,R
	12"	8mm Et		VF,VS,R,UB,NND,R=F	
NGC	5414	Boo		Galaxy S?	S,F*CENTRE,*10,11NF
	12"	8mm Et		VF,VS,R,UB,NND,R=F	
NGC	5416	Boo	H56-3	Galaxy Scd:	EF,VS,E,R
	12"	8mm Et		VF,VS,R,UB,NND,R=F	
NGC	5417	Boo	H11-3	Galaxy Sa	CF,S,R,PSBM,*P
	12"	7mm TV		PF,PS,OVAL,MEXT,UB,NND,R=F	
NGC	5423	Boo		Galaxy S0-	VF,R,*IN CENTRE
	12"	7mm TV		VF,PS,OVAL,UB,NND,R=F	
NGC	5434A	Boo		Non-Existent	
	12"	7mm TV		VVF,VS,EON,UB,NND,R=F,AV2	
NGC	5434B	Boo		Galaxy Sc	
	12"	7mm TV		VVF,VS,EON,UB,NND,R=F,AV2	
NGC	5504A	Boo		Non-Existent	
	12"	7mm TV		PF,VS,OVAL,UB,NND,R=F	
NGC	5515	Boo	H685-3	Galaxy Sab	VF,S,VLE
	12"	7mm TV		VF,VS,OVAL,UB,NND,AV,R=F	
NGC	5532A	Boo		Non-Existent	
	12"	8mm Et		VF,VS,FNUC,R=F,PAIRED W/NGC-5532B	
NGC	5532B	Boo		Galaxy S0	
	12"	8mm Et		VF,VS,OVAL,UB,NND,R=F,PAIRED W/NGC-5532A	
NGC	5630	Boo	H674-2	Galaxy Sdm:	F,S,E90,GBM
	12"	7mm TV		PF,PS,OVAL,UB,NND,R=F	
NGC	5635	Boo	H132-3	Galaxy S pec	F,S,E,SBM
	12"	7mm TV		VF,PS,OVAL,MEXT,UB,NND,R=F	
NGC	6405	Sco	M6	Open Cluster 5.5 II 3 r	CL,L,IR,LC,ST7,10...
	12"	17mmAT		VERY NICE O.C. LP2 FILTER SHOWS SOME RELATED NEBULOSITY	
NGC	6514	Sgr	M20 H41-4	Nebula EN+OC	VB,VL,TRIFID,D*INV
	12"	17mmAT		BEAUTIFUL,R=E!!, LP2 FILTER	
NGC	6522	Sgr	H49-1	Globular	GCL,B,PL,R,GVMBM,RRR
	12"	8mm Et		F,S,R=G, SAME FIELD AS NGC-6528	
NGC	6523	Sgr	M8	Nebula E	VB,EL,EIF,W/LCL
	12"	17mmAT		VERY NICE,R=E!,LP2 FILTER	
NGC	6528	Sgr	H200-2	Globular	GCL,PF,CS,R,GBM,RRR
	12"	8mm Et		PF,PS,R=G, SAME FIELD AS NGC-6522	

Observations Listing by Date

July 5, 2016

Home

NGC 6531 12"	Sgr 17mmAT	M21 NICE OPEN CLUSTER,R=G	Open Cluster 8.0 I 3 r	CL,PRI,LC,ST9...12
NGC 6540 12"	Sgr 8mm Et	H198-2 F,PS,R=F, ALMOST LOST IN HEAVY STAR FIELD	Globular	PF,S,IE,ER OR CL
NGC 6544 12"	Sgr 8mm Et	H197-2 PF,S,R=F	Globular	CF,PL,IR,R
NGC 6553 12"	Sgr 8mm Et	H12-4 PF,S,R=G	Globular	GCL,F,L,LE,VGLBM,RR
NGC 6558 12"	Sgr 8mm Et	PF,PS,R=F,CAN' RESOLVE STARS	Globular	GCL,PB,PL,R,GLBM,RRR
NGC 6569 12"	Sgr 8mm Et	H201-2 F,S,R=F,CAN'T RESOLVE STARS	Globular	GCL,CB,L,R,RRR,*15..
NGC 6624 12"	Sgr 8mm Et	H50-1 F,PS,R=G,VERY NICE.	Globular	GCL,VB,PL,R,RRR,ST16
NGC 6626 12"	Sgr 8mm Et	M28 F,S,R=G	Globular	GCL,VB,L,R,GECM,RRR
NGC 6637 12"	Sgr 8mm Et	M69 EXCELLENT	Globular	GCL,B,L,R,RRR,*14.16
NGC 6638 12"	Sgr 8mm Et	H51-1 F,PS,R=F	Globular	GCL,B,S,R,RR
NGC 6642 12"	Sgr 8mm Et	H205-2 PF,PS,R=F	Globular	GCL,PB,PL,IR,GPMBM
NGC 6652 12"	Sgr 8mm Et	NOTT BAD FOR NON-MESSIER GLOBULAR	Globular	B,S,LE,RRR,ST15
NGC 6656 12"	Sgr 8mm Et	M22 F,L,R=E!	Globular	GCL,VB,VL,R,VRI,VMC
NGC 6681 12"	Sgr 8mm Et	M70 VERY GOOD	Globular	GCL,B,PL,R,GBM,
NGC 6715 12"	Sgr 8mm Et	M54 SMALL AND TIGHT,R=G	Globular	GCL,VB,L,R,G,SMBM,
NGC 6720 12"	Lyr 8mm Et	M57 SUPER	Planetary Neb 4+3	RINGNEB,B,PL,CE,LYRA

Observations Listing by Date

July 1, 2016

Home

NGC 3031 12"	UMa 8mm Et	M81 EYE CANDY	Galaxy SA(s)ab	EB,EL,E156,GSVMBMBN 2
NGC 3034 12"	UMa 8mm Et	M82 H79-4 EYE CANDY	Galaxy I0 sp	VB,VL,VME(RAY)
NGC 5248 12"	Boo 8mm Et	H34-1 MB,ML,OVAL, FNUC,R=G	Galaxy SAB(rs)bc	B,L,E150,PSBMRN
NGC 5580 12"	Boo 8mm Et		Galaxy SABcd	PB,S,F OF 2
NGC 5600 12"	Boo 8mm Et	H177-2 PF,PS,OVAL,UB,NND,R=F	Galaxy Sc pec	PB,PS,GBM
NGC 5611 12"	Boo 8mm Et		Galaxy S0	F,S,R,BM
NGC 5623 12"	Boo 8mm Et	H329-2 VF,VS,OVAL,UB,NND,R=F	Galaxy E	CF,S,R,VSBM,R
NGC 5633 12"	Boo 8mm Et	H185-1 PF,PS,OVAL,UB,NND,R=F	Galaxy (R)SA(rs)b	CB,PS,R,PGLBM
NGC 5824 12"	Lup 8mm Et		Globular	PB,S,STELL,N
NGC 5986 12"	Lup 8mm Et		Globular	GCL,VB,L,R,VGBM,*13.
NGC 6093 12"	Sco 8mm Et	M80 B,F,R=G	Globular	GCL,VB,L,VMBM(VAR*)
NGC 6139 12"	Sco 8mm Et		Globular	B,PL,R,PSBM,RR
NGC 6144 12"	Sco 8mm Et	H10-6 F,L,R=G	Globular	CL,CL,MC,GBM,RRR
NGC 6256 12"	Sco 7mm TV		Globular	GCL,VF,VL,IR,VGBM
NGC 6293 12"	Oph 7mm TV	H12-6 F,S,R=F,RESOLVE OUTER STARS	Globular	GCL,VB,L,R,PSBM,ST16
NGC 6304 12"	Oph 7mm TV	H147-1 F,S,R=F,RESOLVE OUTER STARS	Globular	GCL,B,CL,R,LBM,RRR
NGC 6316 12"	Oph 7mm TV	H45-1 F,PS,R=F	Globular	GCL,CB,PS,R,GVMBM
NGC 6325 12"	Oph 7mm TV		Globular	PF,L,R,RR
NGC 6333 12"	Oph 7mm TV	M9 F,S,R=G,RESOLVED OUTER STARS	Globular	GCL,B,L,R,ECM,RRR,

Observations Listing by Date

July 1, 2016

Home

NGC	6342	Oph	H149-1	Globular	CB,PS,LE,ER
	12"	7mm TV	PF,PS,R=F		
NGC	6656	Sgr	M22	Globular	GCL,VB,VL,R,VRI,VMC
	12"	8mm Et	PB,PL,R=E!!		
NGC	6913	Cyg	M29	Open Cluster 9.0 II 3 m n	CL,P,LC,STL\$\$
	12"	35mm A	B,L,R=G		
NGC	6960	Cyg	H15-5	Nebula E	PB,CL,EIF,KAPPACYGIN
	12"	35mm A	GREAT,R=E!! LP2 FILTER		
NGC	6992	Cyg	H14-5	Nebula E	EF,EL,EE,EIF,BIFID
	12"	35mm A	GREAT,R=E!! LP2 FILTER		
NGC	7000	Cyg	H37-5	Nebula E	F,EEL,DIF NEBULOSITY
	12"	35mm A	GREAT,R=E!! LP2 FILTER		
NGC	7092	Cyg	M39	Open Cluster 7.0 III 2 m	CL,VL,VP,VLC,*7...10
	12"	35mm A	B,S,R=G		
PAL	5	Ser		Globular	
	12"	8mm Et	VF,S,R=F		

June 17, 2016

Home

IC	4665	Oph		Open Cluster 6.0 III 2 m	
	12"	8mm Ds	WIDE/OPEN CLUSTER		
NGC	6210	Her		Planetary Neb 2+3b	PLN,VB,VS,R,DISC
	12"	8mm Ds	TURTLE PLANETARY. NO CENTRAL STAR NOTED		
NGC	6229	Her	H50-4	Globular	GCL,VB,L,R,DISC,R
	12"	8mm Ds	COULD NOT RESOLVE		
NGC	6720	Lyr	M57	Planetary Neb 4+3	RINGNEB,B,PL,CE,LYRA
	12"	8mm Ds	SURPRISINGLY NICE IN THE MOONLIGHT		
NGC	6779	Lyr	M56	Globular	GCL,B,L,IR,GVMCM,RRR
	12"	8mm Ds	VERY NICE		

Observations Listing by Date

May 30, 2016

Home

NGC	4045	Vir	H276-2	Galaxy SBa	PF,L,R,SBM,*SF
	12"	8mm Ds	VF,VS,OVAL,MEXT,UB,NND,AV2R=F		
NGC	4147	Com	H19-1	Globular	GCL,VB,PL,R,GBM,RRR
	12"	8mm Et	PF,PS,R=F. UNRESOLVED STARS		
NGC	4451	Vir		Galaxy Sbc:	PB,PS,R,BM,*13S
	12"	8mm Ds	VF,VS,OVAL,NND,AV1,R=F		
NGC	4590	Hya	M68	Globular	GCL,L,ERI,VC,IR,ST12
	12"	8mm Et	PF,PS,R=F. LOW ON HORIZON		
NGC	5024	Com	M53	Globular	GCL,B,VC,IR,VVMBM,
	12"	8mm Et	FMSMR=G. RESOLVED OUTER STARS		
NGC	5053	Com	H7-6	Globular	CL,VF,PL,IR,VGBM,*15
	12"	8mm Et	VF,S,R=F		
NGC	5272	CVn	M3	Globular	GCL,EB,VL,VSMBM,*11.
	12"	8mm Et	B,L,R=G. VERY NICE		
NGC	5426	Vir	H309-2	Galaxy SA(s)c pec	PF,CL,R,GMBM,SP OF 2
	12"	8mm Ds	VF,VS,OVAL,NND,R=F. PAIRED W/NGC-5427		
NGC	5427	Vir	H310-2	Galaxy SA(s)c pec	PF,CL,R,NF OF 2
	12"	8mm Ds	VF,VS,OVAL,NND,R=F. PAIRED W/NGC-5426		
NGC	5466	Boo	H9-6	Globular	CL,L,VRI,VMC,ST11...
	12"	8mm Et	VF,S,R=G		
NGC	5560	Vir	H579-2	Galaxy SB(s)b pec	PF,CL,E,GBM
	12"	8mm Ds	PF,PS,VEXT,NND,R=G		
NGC	5566	Vir	H144-1	Galaxy SB(r)ab	B,PL,R,PSBM,R,*F1.5'
	12"	8mm Ds	PF,PS,PEXT,FNUC,R=G		
NGC	5569	Vir		Galaxy SAB(rs)cd:	EF,PL,R
	12"	8mm Ds	VF,VS,R,NND,R=F		
NGC	5574	Vir	H145-1	Galaxy SB0:-? sp	PF,PS,LE,P OF 2
	12"	7mm TV	PF,PS,OVAL,NND,R=F		
NGC	5576	Vir	H146-1	Galaxy E3	B,S,R,VSMBM,F OF 2
	12"	7mm TV	F,PS,OVAL,MEXT,FNUC,R=F		
NGC	5577	Vir		Galaxy SA(rs)bc:	PF,PL,VME53
	12"	8mm Ds	VF,PS,EON,UB,NND,AV1,R=F		
NGC	5634	Vir	H70-1	Globular	GCL,VB,CL,R,GBM,RRR
	12"	8mm Et	F,S,R=F		
NGC	5701	Vir	H575-2	Galaxy (R)SB(rs)0/a	CB,PS,R,MBM,*11P15S
	12"	8mm Ds	PF,PS,R,UB,NND,R=F		
NGC	5897	Lib	H19-6	Globular	GCL,PF,L,VIR,VGBM,
	12"	8mm Ds	PF,S,R=F		

Observations Listing by Date

May 30, 2016**Home**

NGC 5904 12"	Ser 8mm Ds	M5 1ST OBJECT TONIGHT	Globular	GCL,VB,L,ECM,*11..15
NGC 6121 12"	Sco 8mm Ds	M4 F,L,R=G	Globular	CL,8OR1OB*LINE,RRR
NGC 6205 12"	Her 8mm Et	M13 ALWAYS GREAT	Globular	GCL,EB,VRI,VGECM,*11
NGC 6205 12"	Her 8mm Ds	M13 B,L,R=E. OUTSTANDING	Globular	GCL,EB,VRI,VGECM,*11
NGC 6229 12"	Her 8mm Ds	H50-4 B,S,R=G. NICE SPOT.	Globular	GCL,VB,L,R,DISC,R
NGC 6273 12"	Oph 8mm Ds	M19 F,S,R=F. LOW ON HORIZON	Globular	GCL,VB,L,R,VCM,RRR
NGC 6284 12"	Oph 8mm Ds	H11-6 VF,PS,R=F	Globular	GCL,B,L,R,CM,ST16...
NGC 6287 12"	Oph 8mm Ds	H195-2 VF,PS,R=F	Globular	GCL,CB,L,R,GPMCM,RRR
NGC 6341 12"	Her 8mm Ds	M92 B,L,R=E. OUTSTANDING. NOT AS LARGE AS M13 THOUGH.	Globular	GCL,VB,VL,ECM,ST S

Observations Listing by Date

April 14, 2016

Home

IC	2438	Cam	Open Cluster	CL, 5 OR 6 ST 13...
	12"	8mm Ds	F,S, JUST A COUPLE OF STARS	
NGC	1708	Cam	Open Cluster 10.0 cluster?	CL,VL,PRI,LC,ST L\$S
	12"	8mm Ds	F,R=F,12-14 LOOSE GROUPING	
NGC	3031	UMa M81	Galaxy SA(s)ab	EB,EL,E156,GSVMBMBN 2
	12"	8mm Ds	F,S,OVAL,NND,R=G	
NGC	3034	UMa M82 H79-4	Galaxy I0 sp	VB,VL,VME(RAY)
	12"	8mm Ds	F,S,PEXT,NND,R=G,BRIGHT KNOT ON ONE END.	
NGC	3497	Crt H824-3	Galaxy SA(s)0^:	VF,VS,IR,GLBM
	12"	8mm Ds	VF,PS,OVAL,NND,AV,R=F, LOW ON HORIZON	
NGC	3575	Leo	Non-Existent	PB,PL,R,*11P
	12"	8mm Ds	PF,PS,OVAL,UB,NND,R=F	
NGC	3587	UMa M97	Planetary Neb 3a	PLN,VB,VL,R,VVG,VSBM
	12"	8mm Ds	PRETTY FAINT. NO FILTER USED.	
NGC	3689	Leo H339-2	Galaxy SAB(rs)c	PB,PL,LE,BM
	12"	8mm Ds	PF,PS,OVAL,MEXT,NND,R=F	
NGC	3691	Leo H54-2	Galaxy SBb?	F,PS,LE,R
	12"	8mm Ds	VF,VS,OVAL,NND,AV,R=F	
NGC	3692	Leo H152-2	Galaxy Sb	F,ME,R
	12"	8mm Ds	VF,VS,EON,UB,NND,R=F	
NGC	4038	Crv H28.1-4	Galaxy SB(s)m pec	PB,CL,R,VGBM
	12"	8mm Ds	PF,PS,UB,NND, NOT MUCH TO SEE IN MOON AND LOW HORIZON	
NGC	4039	Crv H28.2-4	Galaxy SA(s)m pec	PF,PL
	12"	8mm Ds	PF,PS,UB,NND, NOT MUCH TO SEE IN MOON AND LOW HORIZON	
NGC	4260	Vir H138-2	Galaxy SB(s)a	PB,E,PSBM
	12"	11mmT6	DIFF,PS,,S,R,UB,NND,R=F	
NGC	4261	Vir H139-2	Galaxy E2-3	PB,PS,R,GBM
	12"	11mmT6	PF,PS,R,FNUC,R=F	
NGC	4270	Vir H568-2	Galaxy S0	PB,S,R
	12"	11mmT6	PF,PS,OVAL,UB,NND,R=G	
NGC	4281	Vir H573-2	Galaxy S0+: sp	B,VL,R,PGBM
	12"	11mmT6	PF,PS,OVAL,MEXT,FNUC,R=F	
NGC	4472	Vir M49	Galaxy E2	VB,L,R,MBM,R
	12"	11mmT6	SOME MORE EYE CANDY	
NGC	4501	Com M88	Galaxy SA(rs)b	B,VL,VME
	12"	8mm Ds	EYE CANDY	
NGC	4567	Vir H8-4	Galaxy SA(rs)bc	VF,L,NP OF D NEB
	12"	11mmT6	PF,PS,OVAL,NND,R=F	

Observations Listing by Date

April 14, 2016**Home**

NGC	4568	Vir	H9-4	Galaxy SA(rs)bc	VF,L,SF OF D NEB
	12"	11mmT6	PF,PS,OVAL,NND,R=F		
NGC	4593	Vir	H183-2	Galaxy (R)SB(rs)b	PB,CL,E,SBMN=*
	12"	11mmT6	PF,S,OVAL,UB,NND,R=F		
NGC	4594	Vir	M104 H43-1	Galaxy SA(s)a sp	VB,VL,EE92,VSMBMN
	12"	8mm Ds	PF,PS,EON,FNUC,R=F,DUST LANE FAINT.		
NGC	4637	Vir		Galaxy S0?	DNEB W/4638,()
	12"	11mmT6	PF,PS,OVAL,FNUC,R=F		
NGC	4649	Vir	M60	Galaxy E2	VB,PL,R,FOF DNEB
	12"	11mmT6			
NGC	4664	Vir	H142-1	Galaxy SB(s)0/a	PB,2S*IN M,(=4665)
	12"	11mmT6	PF,PS,R,UB,NND,R=G		
NGC	4775	Vir	H186-2	Galaxy SA(s)d	F,CL,R,VGLBM,R
	12"	11mmT6	VF,PS,R,UB,NND,R=F		
NGC	5194	CVn	M51	Galaxy SA(s)bc pec	GREAT SPIRAL NEBULA
	12"	8mm Ds	R,S,R,FNUC,R=G,FAINT STRUCTURE NOTED		
NGC	5195	CVn	H186-1	Galaxy I0 pec	B,PS,LE,VGBM,INV-M51
	12"	8mm Ds	F,PS,R,UB,NND,R=F,COULD NOT SEE LINK TO M51		
NGC	5363	Vir	H6-1	Galaxy I0?	B,PL,R,PSBM,*8NF
	12"	11mmT6	PF,PS,OVAL,UB,NND,R=F		
NGC	5634	Vir	H70-1	Globular	GCL,VB,CL,R,GBM,RRR
	12"	11mmT6	SURPRISE IN VIRGO.		
NGC	5664	Lib		Galaxy Sa	PF,S,E,GBM
	12"	11mmT6	VF,PS,OVAL,UB,NND,R=G		

January 2, 2016**Home**

NGC	2287	CMa	M41	Open Cluster 8.0 I 3 r	CL,VL,B,LC,ST 8...
	1.9"	12x50		SOFT PATCH OF STARS ABOUT 4 DEGREES WEST OF 3-STAR ASTERISM.	

Observations Listing by Date

December 5, 2015 Home

NGC	189	Cas		Open Cluster 11.0 III 1 p	CL,PL,R,*11...15
	12"	17mmT4			
NGC	205	And	M110 H18-5	Galaxy E5 pec	VB,VL,ME165,VGVMBM
	12"	17mmT4			
NGC	221	And	M32	Galaxy cE2	VVB,L,R,PSMBMN
	12"	17mmT4			
NGC	224	And	M31	Galaxy SA(s)b	EEB,EL,VME,ANDROMEDA 17
	12"	17mmT4			
NGC	225	Cas	H78-8	Open Cluster 9.3 III 1 p n	CL,L,LC,*9...10
	12"	17mmT4			
NGC	281	Cas		Nebula E	F,VL,DIF,STRIP*NP
	12"	17mmT4			
NGC	457	Cas	H42-7	Open Cluster 8.6 II 3 r	CL,B,L,PRI,*7,8,10
	12"	17mmT4	E.T. CLUSTER. AKA OWL CLUSTER		
NGC	581	Cas	M103	Open Cluster 9.0 II 2 m	CL,PL,B,R,RI,*10..11
	12"	17mmT4			
NGC	663	Cas	H31-6	Open Cluster 9.0 II 3 r	CL,B,L,ERI,ST PL
	12"	17mmT4			
NGC	869	Per	H33-6	Open Cluster 6.6 I 3 r	CL,VVL,VRI,*7...14
	12"	17mmT4			
NGC	884	Per	H34-6	Open Cluster 6.4 I 3 r	CL,VL,VRI,RUBY*M
	12"	17mmT4			
NGC	7654	Cas	M52	Open Cluster 11.0 II 2 r	CL,L,RI,MCM,R,*9..13
	12"	17mmT4			
NGC	7789	Cas	H30-6	Open Cluster 10.0 II 2 r	CL,VL,VRI,VMC,*11.18
	12"	17mmT4	CAROLINE'S ROSE. VERY NICE		
STOCK2		Cas		Open Cluster I 2 m	
	12"	17mmT4			

Observations Listing by Date

September 10, 2015 Hidden Hollow - RAS

NGC	224	And	M31	Galaxy SA(s)b	EEB,EL,VME,ANDROMEDA 17
	36"	17mmT4	ALWAYS A TREAT		
NGC	7025	Del		Galaxy Sa	VF,VS,R,STELL
	12"	7mm TV	PF,PS,OVAL,UB,NND,R=F		
NGC	7317	Peg		Galaxy E4	VF,VS
	12"	7mm TV	1ST OBJECT AT WRO WITH 12AD, VF,VS,R=F		
NGC	7318B	Peg		Galaxy SB(s)bc pec	EF,ES
	12"	7mm TV	VF,VS,R=F		
NGC	7318A	Peg		Galaxy E2 pec	EF,ES
	12"	7mm TV	VF,VS,R=F		
NGC	7319	Peg		Galaxy SB(s)bc pec	EF,ES
	12"	7mm TV	VF,VS,R=F		
NGC	7320	Peg		Galaxy SA(s)d	F,VS
	12"	7mm TV	VF,VS,R=F		
NGC	7331	Peg	H53-1	Galaxy SA(s)b	B,PL,PME163,SMBM
	12"	7mm TV	F,PS,EON,FNUC,R=G		
NGC	7448	Peg	H251-2	Galaxy SA(rs)bc	PB,L,E173,VGBM,*F2'
	12"	8mm Ds	F,PS,OVAL,MEXT,UB,NND,R=F		
NGC	7463	Peg	H210-3	Galaxy SABb: pec	VF,S,LE,P OF 2
	12"	8mm Ds	PF,PS,OVAL,PEXT,UB,NND,R=F		
NGC	7464	Peg		Galaxy E1 pec:	VF,VS,E,SF7463
	12"	8mm Ds	VF,PS,R,UB,NND,R=F		
NGC	7465	Peg	H211-3	Galaxy (R')SB(s)0^:	VF,VS,FOF 2
	12"	8mm Ds	PF,PS,OVAL,UB,NND,R=F		
NGC	7547	Peg		Galaxy (R')SAB(s)0/a p	VF,S,IR
	12"	7mm TV	VF,VS,R,UB,NND,AV,R=F		
NGC	7549	Peg		Galaxy SB(s)cd pec	PF,PS,R,*10,11P
	12"	7mm TV	PF,PS,OVAL,PEXT,UB,NND,R=F		
NGC	7550	Peg	H181-3	Galaxy SA0-	CF,S,R
	12"	7mm TV	PF,PS,R,UB,NND,R=F		
NGC	7553	Peg		Non-Existent	
	12"	7mm TV	VF,VS,R,UB,NND,AV1,R=P		
NGC	7619	Peg	H439-2	Galaxy E	CB,PS,R,PSBM
	36"	17mmT4	F,S,UB,NND,R=G		
NGC	7619	Peg	H439-2	Galaxy E	CB,PS,R,PSBM
	12"	7mm TV	PF,PS,OVAL,UB,NND,R=F		
NGC	7626	Peg	H440-2	Galaxy E pec:	CB,PS,R,PSBM
	36"	17mmT4	SHOWS DIAGONAL BART IN 36". R=G		

Observations Listing by Date

September 10, 2015**Hidden Hollow - RAS**

NGC	7626	Peg	H440-2	Galaxy E pec:	CB,PS,R,PSBM
	12"	7mm TV	PF,PS,OVAL,FNUC,R=F		
NGC	7769	Peg	H230-2	Galaxy (R)SA(rs)b	PF,PS,R,MBM
	12"	7mm TV	PF,PS,R,UB,NND,R=F		
NGC	7771	Peg	H231-2	Galaxy SB(s)a	PB,PL,E84,BM,N OF 2
	12"	7mm TV	VF,PS,OVAL,MEXT,NND,R=F		

Observations Listing by Date

August 21, 2015 Home

IC	4715	Sgr		Non-Existent	
	12"	35mm A			
NGC	205	And	M110 H18-5	Galaxy E5 pec	VB,VL,ME165,VGVMBM
	12"	8mm Ds			
NGC	221	And	M32	Galaxy cE2	VVB,L,R,PSMBMN
	12"	35mm A			
NGC	224	And	M31	Galaxy SA(s)b	EEB,EL,VME,ANDROMEDA 17
	12"	35mm A	ANDROMEDA		
NGC	281	Cas		Nebula E	F,VL,DIF,STRIP*NP
	12"	8mm Ds	LP2 FILTER		
NGC	598	Tri	M33 H17-5	Galaxy SA(s)cd	EB,EL,R,VGBMN 6
	12"	35mm A			
NGC	663	Cas	H31-6	Open Cluster 9.0 II 3 r	CL,B,L,ERI,ST PL
	12"	8mm Ds			
NGC	869	Per	H33-6	Open Cluster 6.6 I 3 r	CL,VVL,VRI,*7...14
	12"	35mm A			
NGC	884	Per	H34-6	Open Cluster 6.4 I 3 r	CL,VL,VRI,RUBY*M
	12"	35mm A			
NGC	5194	CVn	M51	Galaxy SA(s)bc pec	GREAT SPIRAL NEBULA
	12"	11mmT6	MOON WAS 7 DAYS OLD. NOT THE BEST FOR GALAXIES.		
NGC	5195	CVn	H186-1	Galaxy I0 pec	B,PS,LE,VGBM,INV-M51
	12"	17mmT4			
NGC	6205	Her	M13	Globular	GCL,EB,VRI,VGECM,*11
	12"	17mmT4			
NGC	6254	Oph	M10	Globular	GCL,B,VL,R,GVMBM,RRR
	12"	17mmT4			
NGC	6341	Her	M92	Globular	GCL,VB,VL,ECM,ST S
	12"	8mm Ds			
NGC	6523	Sgr	M8	Nebula E	VB,EL,EIF,W/LCL
	12"	17mmT4			
NGC	6611	Ser	M16	Open Cluster 11.0 II 3 m n	CL,ATLEAST100* L\$\$
	12"	17mmT4			
NGC	6618	Sgr	M17	Nebula EN+OC	B,EL,EIF,2HOOKED
	12"	17mmT4			
NGC	6628	Her		Galaxy S0?	VF,S,LE,BM
	12"	17mmT4			
NGC	6720	Lyr	M57	Planetary Neb 4+3	RINGNEB,B,PL,CE,LYRA
	12"	8mm Ds	LP2 FILTER		

Observations Listing by Date

August 21, 2015 Home

NGC 6853 12"	Vul 8mm Ds	M27 LP2 FILTER	Planetary Neb 3+2	VB,VL,BIN,IE,DUMBBEL
NGC 7000 12"	Cyg 35mm A	H37-5 LP2 FILTER	Nebula E	F,EEL,DIF NEBULOSITY
NGC 7009 12"	Aqr 8mm Ds	H1-4	Planetary Neb 4+6	PLN,VB,S,ELLIPTIC
NGC 7042 12"	Peg 8mm Ds	H209-3	Galaxy Sb	VF,S,R
NGC 7078 12"	Peg 17mmT4	M15	Globular	GCL,VB,VL,IR,VSMBM
NGC 7092 12"	Cyg 17mmT4	M39	Open Cluster 7.0 III 2 m	CL,VL,VP,VLC,*7...10
NGC 7331 12"	Peg 8mm Ds	H53-1	Galaxy SA(s)b	B,PL,PME163,SMBM
NGC 7654 12"	Cas 17mmT4	M52	Open Cluster 11.0 II 2 r	CL,L,RI,MCM,R,*9..13
NGC 7662 12"	And 8mm Ds	H18-4 PRETTY SMALL USED LP2 FILTER	Planetary Neb 4+3	PLN ORRING,VB,PS,R
NGC 7814 12"	Peg 8mm Ds	H240-2	Galaxy SA(s)ab: sp	CB,CL,E,VGBM

Observations Listing by Date

August 15, 2015 Home

NGC 3587 12"	UMa 11mmT6	M97	Planetary Neb 3a	PLN,VB,VL,R,VVG,VSBM
NGC 4205 12"	Dra 8mm Ds	Galaxy S? PF,PS,OVAL,UB,NND,R=F		PB,PS,R,*12F,LN
NGC 5667 12"	Dra 8mm Ds	H807-2 PF,PS,OVAL,UB,NND,R=F	Galaxy Scd: pec	PB,PS,E0
NGC 5981 12"	Dra 8mm Ds	Galaxy Sc? sp VF,VS,EON,UB,NND,AV1,R=P		F,ME
NGC 5982 12"	Dra 8mm Ds	H764-2 F,PS,OVAL,FNUC,R-F	Galaxy E3	CB,S,R,PSBM,R
NGC 5985 12"	Dra 8mm Ds	H766-2 DIFF,PF,S,OVAL,UB,NND,R=F	Galaxy SAB(r)b	PB,CL,IE,R
NGC 5989 12"	Dra 8mm Ds	H738-3 VF,PS,OVAL,UB,NND,R=F	Galaxy Scd?	VF,VS
NGC 6079 12"	UMi 8mm Ds	H884-3 VF,VS,OVAL,UB,NND,R=F	Galaxy E	VF,VS
NGC 6090 12"	Dra 8mm Ds	Galaxy S0? PF,PS,OVAL,MEXT,UB,NND,R=F		VF,S,R
NGC 6514 12"	Sgr 11mmT6	M20	H41-4 Nebula EN+OC	VB,VL,TRIFID,D*INV
NGC 7078 12"	Peg 11mmT6	M15	Globular	GCL,VB,VL,IR,VSMBM
NGC 7089 12"	Aqr 8mm Ds	M2 DITTO	Globular	GCL,B,VL,GPMBM,RRR

Observations Listing by Date

July 15, 2015

Home

IC	5070	Cyg		Non-Existent	
	12"	35mm A	LP2 FILTER - VERY	NICE OBJECT	
NGC	3556	UMa	M108	H46-5	Galaxy SB(s)cd sp
	12"	17mmT4			CB,VL,VME79,PBM,R
NGC	3992	UMa	M109	H61-4	Galaxy SB(rs)bc
	12"	17mmT4			CB,VL,PME,SBMBRN
NGC	5194	CVn	M51		Galaxy SA(s)bc pec
	12"	17mmT4	JUST CRUSIN'		GREAT SPIRAL NEBULA
NGC	5457	UMa	M101		Galaxy SAB(rs)cd
	12"	17mmT4			PB,VL,IR,G,VSMBMSN 4
NGC	6121	Sco	M4		Globular
	12"	8mm Ds	EYE CANDY TO START		CL,8OR1OB*LINE,RRR
NGC	6205	Her	M13		Globular
	12"	17mmT4			GCL,EB,VRI,VGECM,*11
NGC	6218	Oph	M12		Globular
	12"	17mmT4			GCL,VB,VL,IR,GMBM
NGC	6254	Oph	M10		Globular
	12"	17mmT4			GCL,B,VL,R,GVMBM,RRR
NGC	6287	Oph		H195-2	Globular
	12"	8mm Ds			GCL,CB,L,R,GPMCM,RRR
NGC	6293	Oph		H12-6	Globular
	12"	8mm Ds			GCL,VB,L,R,PSBM,ST16
NGC	6333	Oph	M9		Globular
	12"	17mmT4			GCL,B,L,R,ECM,RRR,
NGC	6402	Oph	M14		Globular
	12"	17mmT4			GCL,B,VL,R,ERI,VGMBM
NGC	6611	Ser	M16		Open Cluster 11.0 II 3 m n
	12"	17mmT4			CL,ATLEAST100* L\$\$
NGC	6705	Sct	M11		Open Cluster 11.0 I 2 r
	12"	17mmT4			CL,VB,L,IR,RI,*9,
NGC	6720	Lyr	M57		Planetary Neb 4+3
	12"	8mm Ds			RINGNEB,B,PL,CE,LYRA
NGC	7000	Cyg		H37-5	Nebula E
	12"	35mm A	LP2 FILTER - VERY	NICE OBJECT	F,EEL,DIF NEBULOSITY
NGC	7078	Peg	M15		Globular
	12"	17mmT4			GCL,VB,VL,IR,VSMBM

Observations Listing by Date

May 23, 2015

Home

NGC	3556 12"	UMa 11mmT6	M108 H46-5	Galaxy SB(s)cd sp	CB,VL,VME79,PBM,R
NGC	3587 12"	UMa 11mmT6	M97	Planetary Neb 3a	PLN,VB,VL,R,VVG,VSBM
NGC	4594 12"	Vir 11mmT6	M104 H43-1	Galaxy SA(s)a sp	VB,VL,EE92,VSMBMN
NGC	5194 12"	CVn 8mm Ds	M51	Galaxy SA(s)bc pec CAN JUST SEE SPIRAL STRUCTURE	GREAT SPIRAL NEBULA
NGC	5195 12"	CVn 8mm Ds	H186-1	Galaxy I0 pec COMPANION TO M51	B,PS,LE,VGBM,INV-M51
NGC	5272 12"	CVn 8mm Ds	M3	Globular GOOD SHOW	GCL,EB,VL,VSMBM,*11.
NGC	5904 12"	Ser 11mmT6	M5	Globular	GCL,VB,L,ECM,*11..15
NGC	6121 12"	Sco 11mmT6	M4	Globular EYE CANDY	CL,8OR10B*LINE,RRR
NGC	6720 12"	Lyr 11mmT6	M57	Planetary Neb 4+3 EYE CANDY	RINGNEB,B,PL,CE,LYRA

May 22, 2015

Home

NGC	2392 12"	Gem 8mm Ds	H45-4	Planetary Neb 3b+3b NO FILTER NEEDED CENTRAL STAR VISIBLE	B,S,R,*9M,*8NF100"
NGC	2539 12"	Pup 17mmT4	H11-7	Open Cluster 9.0 III 2 m CAUGHT BEFORE SETTING. LOW ON HORIZON	CL,VL,RI,LC,*11...13
NGC	2548 12"	Hya 17mmT4	M48 H22-6	Open Cluster 8.0 I 3 r TYPICAL OPEN CLUSTER R=F	CL,VL,PRI,PMC,*9..13
NGC	3242 12"	Hya 8mm Ds	H27-4	Planetary Neb 4+3b NO FILTER CENTRAL STAR NOT VISIBLE	PLN,VB,LE147,45"D
NGC	4594 12"	Vir 8mm Ds	M104 H43-1	Galaxy SA(s)a sp ALWAYS GREAT. DUST LANE VISIBLE	VB,VL,EE92,VSMBMN

April 17, 2015

Hidden Hollow - RAS

NGC	3049 18"	Leo 8mm Ds		Galaxy SB(rs)ab VF,PS,OVAL,UB,NND,R=F	VF,VS,F*V NR
NGC	4159 18"	Dra 8mm Ds	H941-3	Galaxy S? VF,PS,OVAL,UB,NND,R=F	EF,PS,R,TRI2*
NGC	4291 18"	Dra 8mm Ds	H275-1	Galaxy E F,S,ROUND,UB,NND,R=F	PB,VS,R,LBM,3*F

Observations Listing by Date

October 26, 2014 Home

NGC 80	And		Galaxy SA0-:	F,S,R,PSBM
12"	11mmT6	PF,PS,R,UB,NND,R=F		
NGC 83	And		Galaxy E	E,BIN,3B*NR
12"	11mmT6	PF,PS,R,UB,NND,R=F		
NGC 90	And		Non-Existent	
12"	11mmT6	VF,VS,OVAL,VEXT,UB,NND,R=R		
NGC 205	And	M110 H18-5	Galaxy E5 pec	VB,VL,ME165,VGVMBM
12"	22mmAT	EYE CANDY		
NGC 221	And	M32	Galaxy cE2	VVB,L,R,PSMBMN
12"	22mmAT	EYE CANDY		
NGC 224	And	M31	Galaxy SA(s)b	EEB,EL,VME,ANDROMEDA 17
12"	22mmAT	EYE CANDY		
NGC 281	Cas		Nebula E	F,VL,DIF,STRIP*NP
12"	17mmT4	PAC-MAN NEBULA. GREAT W/OIII FILTER		
NGC 598	Tri	M33 H17-5	Galaxy SA(s)cd	EB,EL,R,VGBMN 6
12"	22mmAT	EYE CANDY		
NGC 7448	Peg	H251-2	Galaxy SA(rs)bc	PB,L,E173,VGBM,*F2'
18"	8mm Ds	PF,PS,OVAL,MEXT,UB,NND,R=G		
NGC 7463	Peg	H210-3	Galaxy SABb: pec	VF,S,LE,P OF 2
12"	8mm Ds	VF,PS,EON,UB,NND,AVII,R=F		
NGC 7465	Peg	H211-3	Galaxy (R')SB(s)0^:	VF,VS,FOF 2
12"	8mm Ds	PF,PS,OVAL,UB,NND,R=F		
NGC 7619	Peg	H439-2	Galaxy E	CB,PS,R,PSBM
12"	11mmT6	PF,PS,R,UB,NND,R=F		
NGC 7623	Peg	H435-3	Galaxy SA0^:	F,VS,R,PSBM
12"	11mmT6	PF,VS,OVAL,UB,NND,R=P		
NGC 7626	Peg	H440-2	Galaxy E pec:	CB,PS,R,PSBM
12"	11mmT6	PF,PS,R,UB,NND,R=F		
NGC 7654	Cas	M52	Open Cluster 11.0 II 2 r	CL,L,RI,MCM,R,*9..13
12"	22mmAT	EYE CANDY		
NGC 7769	Peg	H230-2	Galaxy (R)SA(rs)b	PF,PS,R,MBM
12"	11mmT6	PF,S,OVAL,UB,NND,R=G		
NGC 7770	Peg		Galaxy S0/a?	VF,VS,IR,S OF 2
12"	11mmT6	VF,VS,OVAL,UB,NND,AVII,R=P		
NGC 7771	Peg	H231-2	Galaxy SB(s)a	PB,PL,E84,BM,N OF 2
12"	11mmT6	PF,PS,OVAL,MEXT,UB,NND,R=F		
NGC 7778	Psc	H231-3	Galaxy E	CF,S,R,PSBM,1ST OF4
12"	11mmT6	VF,VS,R,UB,NND,R=F		

Observations Listing by Date

October 26, 2014 Home

NGC 7779	Psc	H232-3	Galaxy (R')SA0/a:	PF,S,R,PSBM,2ND OF 4
12"	11mmT6	VF,VS,OVAL,UB,NND,R=P		
NGC 7782	Psc	H233-3	Galaxy SA(s)b	PF,PL,LE,GLBM,4THOF4
12"	11mmT6	PF,PS,OVAL,MEXT,NND,R=F		

Observations Listing by Date

September 19, 2014 Hidden Hollow - RAS

CR	256 12"	Com		Open Cluster III3r	
		35mm A	B,VL,R=G,	NICE LOOSE GROUP,	HOME - 8/14/14
IC	983 12"	Boo		Galaxy SB(r)bc	
		17mmAT	5-DAYS AFTER NEW -	SIGHTSEEING,	HOME - 8/15/14
IC	4756 12"	Ser		Open Cluster 8.0 II 3 r	
		17mmAT	B,L,R=G,LOOSE,	HOME - 8/14/14	
NGC	3034 12"	UMa	M82 H79-4	Galaxy I0 sp	VB,VL,VME(RAY)
		17mmAT	5-DAYS AFTER NEW -	SIGHTSEEING,	HOME - 8/15/14
NGC	4486 12"	Vir	M87	Galaxy E+0-1 pec	VB,VL,R,MBM,3RD OF 3
		17mmAT	PF,L,R=G,	HOME - 8/14/14	
NGC	4826 12"	Com	M64	Galaxy (R)SA(rs)ab	VB,VL,VME120,BMSBN
		17mmAT	PF,L,OVAL,FNUC,R=F,	HOME - 8/14/14	
NGC	5194 12"	CVn	M51	Galaxy SA(s)bc pec	GREAT SPIRAL NEBULA
		17mmAT	5-DAYS AFTER NEW -	SIGHTSEEING,	HOME - 8/15/14
NGC	5272 12"	CVn	M3	Globular	GCL,EB,VL,VSMBM,*11.
		17mmAT	B,L,R=F,	HOME - 8-14-14	
NGC	5457 12"	UMa	M101	Galaxy SAB(rs)cd	PB,VL,IR,G,VSMBMSN 4
		17mmAT	5-DAYS AFTER NEW -	SIGHTSEEING,	HOME - 8/15/14
NGC	5473 12"	UMa	H231-1	Galaxy SAB(s)0:-	PB,S,R,GBM
		17mmAT	5-DAYS AFTER NEW -	SIGHTSEEING,	HOME - 8/15/14
NGC	6052 18"	Her		Non-Existent	F,PL,IR,(=6064)
		8mm Ds	VF,PS,OVAL,UB,NND,R=F,	WRO - 9/19/14	
NGC	6121 12"	Sco	M4	Globular	CL,8OR10B*LINE,RRR
		17mmAT	5-DAYS AFTER NEW -	SIGHTSEEING,	HOME - 8/15/14
NGC	6144 12"	Sco	H10-6	Globular	CL,CL,MC,GBM,RRR
		17mmAT	5-DAYS AFTER NEW -	SIGHTSEEING,	HOME - 8/15/14
NGC	6210 12"	Her		Planetary Neb 2+3b	PLN,VB,VS,R,DISC
		11mmT6	B,VS,R=F,SITS ATOP 3-STAR TRIANGLE -N.N.,	HOME - 8/14/14	
NGC	6405 12"	Sco	M6	Open Cluster 5.5 II 3 r	CL,L,IR,LC,ST7,10...
		17mmAT	5-DAYS AFTER NEW -	SIGHTSEEING,	HOME - 8/15/14
NGC	6426 12"	Oph	H587-2	Globular	VF,CL,E,VLBM
		17mmAT	5-DAYS AFTER NEW -	SIGHTSEEING,	HOME - 8/15/14
NGC	6741 12"	Aql		Planetary Neb 4	PLN,STELLAR
		11mmT6	PF,PS,R=F, LP-2,	NO CENTRAL STAR,	HOME - 9/14/14
NGC	6781 12"	Aql	H743-3	Planetary Neb 3+3	PLN,F,L,R,VSBM DISC
		11mmT6	F,PL,OVAL,R=G, LP-2,	3 STARS INSIDE,	HOME - 9/14/14
NGC	6818 12"	Sgr	H51-4	Planetary Neb 4	PLN,B,VS,R
		11mmT6	B,S,ROUND DOT,	HOME - 8/14/14	

Observations Listing by Date

September 19, 2014 Hidden Hollow - RAS

NGC 7046 18"	Equ 8mm Ds	H858-3 VF,PS,OVAL,UB,NND,R=F, WRO - 9/19/14	Galaxy SB(rs)cd	EF,PL,R,LBM
NGC 7078 12"	Peg 17mmAT	M15 5-DAYS AFTER NEW - SIGHTSEEING, HOME - 8/15/14	Globular	GCL,VB,VL,IR,VSMBM
NGC 7458 18"	Psc 8mm Ds	H590-2 PF,PS,R,FNUC,R=G, WRO - 9/19/14	Galaxy E	CF,CS,PSBM
NGC 7506 18"	Psc 8mm Ds	H184-3 PF,PS,OVAL,FNUC,R=F, WRO - 9/19/14	Galaxy (R')SB(r)0+:	CF,VS,R,SBM*15
NGC 7546 18"	Psc 8mm Ds	Galaxy SAB(r)bc: VF,VS,OVAL,UB,NND,AV1,R=P, WRO - 9/19/14		EF,S,LE
NGC 7556 18"	Psc 8mm Ds	H235-2 PF,PS,OVAL,FNUC,R=G, WRO - 9/19/14	Galaxy S0-	CF,PL,R,B** F
NGC 7566 18"	Psc 8mm Ds	H185-3 VF,PS,OVAL,MEXT,UB,NND,R=F, WRO - 9/19/14	Galaxy (R')SB(rs)a pec	VF,PS,E,ER,3F*INV
NGC 7685 18"	Psc 8mm Ds	H426-3 VF,PS,OVAL,MEXT,UB,NND,R=F, WRO - 9/19/14	Galaxy SAB(s)c:	EF,CL,R,GBM,**NR
NGC 7694 18"	Psc 8mm Ds	H187-3 PF,PS,OVAL,VEXT,FNUC,R=G, WRO - 9/19/14	Galaxy Im pec:	EF,PL,STELLAR
NGC 7701 18"	Psc 8mm Ds	H188-3 PF,VS,OVAL,UB,NND,R=F, WRO - 9/19/14	Galaxy	VF,S,R,MBM,*11SP
NGC 7750 18"	Psc 8mm Ds	H427-3 PF,PS,OVAL,PEXT,UB,NND,R=F	Galaxy (R')SB(rs)c pec	CF,PL,VLE0,LBM,*11SF
NGC 7751 18"	Psc 8mm Ds	H437-3 VF,VS,R,UB,NND,R=F, WRO - 9/19/14	Galaxy S?	F,S,R,GBM,ER
NGC 7769 18"	Peg 8mm Ds	H230-2 PF,PS,R,FNUC,R=G, WRO - 9/19/14	Galaxy (R)SA(rs)b	PF,PS,R,MBM
NGC 7770 18"	Peg 8mm Ds	Galaxy S0/a? PF,VS,OVAL,PEXT,UB,NND,R=F,, WRO - 9/19/14		VF,VS,IR,S OF 2
NGC 7771 18"	Peg 8mm Ds	H231-2 PF,PS,OVAL,MEXT,UB,NND,R=F, WRO - 9/19/14	Galaxy SB(s)a	PB,PL,E84,BM,N OF 2
NGC 7778 18"	Psc 8mm Ds	H231-3 PF,PS,R,UB,NND,R=F,PAIRED W/NGC-7779, WRO - 9/19/14	Galaxy E	CF,S,R,PSBM,1ST OF 4
NGC 7779 18"	Psc 8mm Ds	H232-3 PF,PS,R,UB,NND,R=F, PAIRED W/NGC-7778, WRO - 9/19/14	Galaxy (R')SA0/a:	PF,S,R,PSBM,2ND OF 4
NGC 7782 18"	Psc 8mm Ds	H233-3 PF,PS,OVAL,MEXT,UB,NND,R=F, WRO - 9/19/14	Galaxy SA(s)b	PF,PL,LE,GLBM,4THOF4
NGC 7797 18"	Psc 8mm Ds	H867-3 VF,PS,R,UB,NND,AV,R=F	Galaxy Sbc	EF,PS,IR,LBM

Observations Listing by Date

September 19, 2014 Hidden Hollow - RAS

NGC	7817	Peg	H227-2	Galaxy SAbc: sp	PF,CL,ME45,LBM
	18"	8mm Ds	PF,PS,OVAL,UB,NND,R=F, WRO - 9/13/14		
PAL	1	Cep		Globular	
	18"	8mm Ds	VF,VS,AVII,R=F,, WRO - 9/19/14		
PGC	25	Peg		Galaxy Double System	
	18"	8mm Ds	VF,VS,OVAL,MEXT,NND,R=F, WRO - 9/13/14		
PGC	120	Peg		Galaxy (R)S(r)cd: pec	
	18"	8mm Ds	PF,VS,OVAL,UB,NND,R=F, WRO - 9/19/14		
PGC	71752	Psc		Galaxy SB(s)d	
	18"	8mm Ds	VF,S,OVAL,EEXT,UB,NND,AVII,R=P, WRO - 9/19/14		

Observations Listing by Date

May 30, 2014

Hidden Hollow - RAS

IC	3074	Vir	Galaxy SB(s)dm: sp	
	18"	8mm Ds	VF,PS,EON,UB,NND,R=F,PA=160	
NGC	3406	UMa	Galaxy E	PB,R,PGBM
	18"	8mm Ds	PF,PS,R,UB,NND,R=F	
NGC	3435	UMa	H887-2 Galaxy Sb	CF,PS,LE,VGBM
	18"	8mm Ds	VF,PS,OVAL,UB,NND,R=F	
NGC	3440	UMa	H914-3 Galaxy SBb? sp	VF,S,LE
	18"	8mm Ds	PF,PS,EON,UB,NND,R=F,PA=50	
NGC	3445	UMa	H267-1 Galaxy SAB(s)m	CB,PL,IR,VGLBM,*NF2'
	18"	8mm Ds	PFL,PS,R,UB,NND,R=F	
NGC	3654	UMa	H880-2 Galaxy S?	F,S,LE15
	18"	8mm Ds	PF,PS,OVAL,MEXT,UB,NND,R=F	
NGC	3656	UMa	H782-2 Galaxy (R')I0: pec	PB,S,R,VGBM,*12P
	18"	8mm Ds	PF,PS,R,UB,NND,R=F	
NGC	3657	UMa	H768-3 Galaxy SAB(rs)c pec	CF,VS,R,STELLAR
	18"	8mm Ds	PF,PS,R,UB,NND,R=F	
NGC	3674	UMa	H886-2 Galaxy S0 sp	PF,IF
	18"	8mm Ds	PF,PS,OVAL,EEXT,UB,NND,R=F,PA=25	
NGC	4197	Vir	H134-2 Galaxy Sd	PF,PME,VGBM
	18"	8mm Ds	PF,PS,EON,UB,NND,R=F,PA=30	
NGC	5022	Vir	Galaxy SBb pec sp	VF,PL,E30,GBM,F5018
	18"	8mm Ds	PF,PS,EON,UB,NND,R=F,PA=21	
NGC	5194	CVn	M51 Galaxy SA(s)bc pec	GREAT SPIRAL NEBULA
	18"	8mm Ds	MORE DETAIL THAN THE 36". M51 AT ZENITH.	
NGC	5194	CVn	M51 Galaxy SA(s)bc pec	GREAT SPIRAL NEBULA
	36"	17mmT4	GREAT VIEW. SPIRAL STRUCTURE NOTED.	
NGC	5195	CVn	H186-1 Galaxy I0 pec	B,PS,LE,VGBM,INV-M51
	18"	8mm Ds	MORE DETAIL THAN THE 36". AT ZENITH	
NGC	5195	CVn	H186-1 Galaxy I0 pec	B,PS,LE,VGBM,INV-M51
	36"	17mmT4	GREAT VIEW.	
PGC	36343	UMa	Galaxy Scd:	
	18"	8mm Ds	VF,PS,EON,UB,NND,R=F,PA=90	
PGC	44358	Vir	Galaxy Sd: sp	
	18"	8mm Ds	PF,PS,EON,UB,NND,R=F,PA=100	
PGC	44391	Com	Galaxy SBb	
	18"	8mm Ds	PF,PS,EONL,UB,NND,R=F,PA=35	
PGC	45084	Vir	Galaxy IB(s)m sp	
	18"	8mm Ds	PF,PS,EON,UB,NND,R=F,PA=110	

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IC	511	Cam	Galaxy S0/a:	
	18"	8mm Ds	PF,PS,OVAL,PEXT,UB,NND,AV1,R=F	
IC	512	Cam	Galaxy SAB(s)cd	
	18"	8mm Ds	PF,PS,OVAL,UB,NND,R=F	
IC	529	Cam	Galaxy SA(s)c:	
	18"	8mm Ds	PF,PS,OVL,PEXT,UB,NND,R=F	
IC	3322A	Vir	Galaxy SB(s)cd: sp	
	18"	8mm Ds	PF,PS,EON,FNUC,R=F,PA=160	
IC	3414	Vir	Galaxy SABdm?	
	18"	8mm Ds	VF,VS,OVAL,UB,NND,AV1,R=P	
NGC	2591	Cam	Galaxy Scd: sp	F,S,E,LBM
	18"	8mm Ds	PF,PS,EON,UB,NND,R=F,PA=30	
NGC	2634A	Cam	Galaxy SB(s)bc? sp	
	18"	8mm Ds	VF,VS,EON,UB,NND,R=F,PA=50	
NGC	2636	Cam	Galaxy E0:	VF,S,2*11,12 F
	18"	8mm Ds	VF,VS,R,UB,NND,AV2,R=P	
NGC	2732	Cam	Galaxy S0 sp	PB,S,E45,*13NF
	18"	8mm Ds	PF,PS,EON,FNUC,R=G,PA=75	
NGC	2748	Cam	Galaxy SAbc	PB,PL,E,VGLBM
	18"	8mm Ds	PF,PS,OVAL,VEXT,UB,NND,R=F	
NGC	3245	LMi	H86-1 Galaxy SA(r)0⁺?	VB,PL,E0, SMBMEN
	18"	8mm Ds	PF,PS,OVAL,MEXT,BNUC,R=G	
NGC	3245A	LMi	Galaxy SB(s)b sp	
	18"	8mm Ds	PF,VS,EON,UB,NND,R=F,PA=150	
NGC	3454	Leo	Galaxy SB(s)c? sp	PF,LE,NP OF 2
	18"	8mm Ds	PF,VS,EON,UB,NND,R=F,PA=110	
NGC	3455	Leo	H82-2 Galaxy (R')SAB(rs)b	PF,S,E,GBM,R,SF OF 2
	18"	8mm Ds	PF,PS,OVAL,UB,NND,R=F	
NGC	3901	Cam	H970-3 Galaxy Scd:	PF,PL,RESOLVABLE
	18"	8mm Ds	VF,PS,OVAL,VEXT,UB,NND,R=F	
NGC	4127	Cam	H279-1 Galaxy SAc?	F,PL,VLE,GLBM
	18"	8mm Ds	VF,PS,OVAL,PEXT,UB,NND,R=F	
NGC	4356	Vir	H481-3 Galaxy Scd:	VF
	18"	8mm Ds	PF,PS,EON,UB,NND,R=F, MAG 13 STAR ON SOUTH EDGE.	
NGC	4454	Vir	H180-2 Galaxy (R)SB(r)0/a	F,L,R,GBM,ER
	18"	8mm Ds	PF,PS,OVAL,NND,R=F	
NGC	4470	Vir	H18-2 Galaxy Sa?	F,PL,IR,BM
	18"	8mm Ds	PF,PS,OVAL,FNUC,R=G	

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NGC	4476	Vir	H123-2	Galaxy SA(r)0-:	F,S,R,BM,1ST OF 3
	18"	8mm Ds	PF,VS,OVAL,FNUC,R=G		
NGC	4482	Vir	H40-3	Galaxy E	EF,PL
	18"	8mm Ds	PF,PS,OVAL,UB,NND,R=F		
NGC	4484	Vir		Galaxy SA(s)c pec:	PF,S,R,GBM
	18"	8mm Ds	VF,PS,R,UB,NND,AV,R=P		
NGC	5295	Cam	H946-3	Galaxy	VF,VS,R
	18"	8mm Ds	VF,VS,R,NND,AV3,R=P		
NGC	5640	Cam	H949-3	Galaxy Ia	EF,S,LE
	18"	8mm Ds	VF,VS,R,UB,NND,AV3,R=P		
PGC	28700	Leo		Galaxy Scd:	
	18"	8mm Ds	VF,PS,EON,UB,NND,R=F,PA=55		
PGC	29472	UMa		Galaxy SB(s)c? sp	
	18"	8mm Ds	VF,PS,EON,UB,NND,R=F,PA=125		
PGC	29698	Leo		Galaxy Scd:	
	18"	8mm Ds	VF,VS,EON,UB,NND,R=F,PA=95		
PGC	31037	Sex		Galaxy SBd:	
	18"	8mm Ds	PF,PS,EON,UB,NND,R=F,PA=150		
PGC	35991	Leo		Galaxy Sd	
	18"	8mm Ds	VF,FS,EON,UB,NND,AV1,R=P,PA=130		
PGC	36431	Leo		Galaxy Sb	
	18"	8mm Ds	VF,VS,EON,UB,NND,AV2,R=F,PA=60		

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NGC	4255	Vir	Galaxy SB(r)0 [^]	S,PMBM
	18"	8mm Ds	VF,PS,OVAL,MEXT,UB,NND,AV1,R=F	
NGC	4300	Vir	H572-2 Galaxy Sa	F,LE,VGBM
	18"	8mm Ds	PF,PS,OVAL,FNUC,R=F	
NGC	4305	Vir	Galaxy SA(r)a	VF,R
	18"	8mm Ds	PF,PS,OVAL,UB,NND,R=F, PAIRED W/NGC-4306	
NGC	4306	Vir	Galaxy SB(s)0 [^] :	VF,PL,R,4305SP
	18"	8mm Ds	PF,PS,OVAL,UB,NND,R=F,PAIRED W/.NGC-4305	
NGC	4307	Vir	Galaxy Sb sp	PF,L,ME,3KNOTS
	18"	8mm Ds	PF,PS,EON,UB,NND,R=F,PA=24	
NGC	4309	Vir	Galaxy SAB(r)0+	F,S,*11F12S
	18"	8mm Ds	VF,PS,OVAL,UB,NND,R=F	
NGC	4486B	Vir	Galaxy cE0	
	18"	8mm Ds	VF,VSM,R,UB,NND,R=F	
NGC	4486A	Vir	Galaxy E2	
	18"	8mm Ds	VF,VS,OVAL,UB,NND,R=F	
NGC	4584	Vir	Galaxy SAB(s)a?	VF,S,R
	18"	8mm Ds	PF,PS,OVAL,MEXT,UB,NND,R=F	
NGC	4598	Vir	H105-3 Galaxy SB0	EF,L,R,VLBM
	18"	8mm Ds	VF,PS,OVAL,UB,NND,R=F	
NGC	4599	Vir	H509-3 Galaxy SA0/a sp	VF,VS
	18"	8mm Ds	VF,PS,OVAL,UB,NND,R=F	
NGC	4600	Vir	H577-2 Galaxy S0	F,S,R,2*8F
	18"	8mm Ds	PF,PS,OVAL,UB,NND,R=F	
NGC	4604	Vir	Galaxy Im: sp	NO DESCRIPTION
	18"	8mm Ds	VF,VS,OVAL,PEXT,UB,NND,AV,R=F	
NGC	4607	Vir	Galaxy SBb? sp	F,ME,3OR4'F4606
	18"	8mm Ds	PF,S,EON,UB,NND,R=F,PA=179	
NGC	4624	Vir	Galaxy E0-1	B,E
	18"	8mm Ds	F,S,OVAL,BNUC,R=G	
NGC	4700	Vir	H524-3 Galaxy SB(s)c? sp	F,L,ME40,VLBM,B*P
	18"	8mm Ds	PF,PS,EON,FNUC,R=F,PA=48	
NGC	4701	Vir	H578-2 Galaxy SA(s)cd	F,S
	18"	8mm Ds	PF,PS,OVAL,UB,NND,R=F	
NGC	4703	Vir	H514-3 Galaxy Sb sp	EF,CS,PME
	18"	8mm Ds	PF,PS,EON,FNUC,R=G,PA=153	
NGC	4705	Vir	H610-3 Galaxy SAB(s)bc: sp	CF,PL,LE
	18"	8mm Ds	PF,PS,OVAL,UB,NND,R=F	

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NGC 4708 18"	Vir 8mm Ds	H722-3 PF,PS,OVAL,UB,NND,R=F, MEGASTAR SAYS 14.5 MAG.	Galaxy SA(r)ab pec?	EF,S
NGC 4713 18"	Vir 8mm Ds	H140-1 PF,PS,OVAL,FNUC,R=F	Galaxy SAB(rs)d	PB,L,VLE,GLBM
NGC 4716 18"	Vir 8mm Ds	Galaxy S0^ pec? PF,PS,OVAL,UB,NND,R=F, PAIRED W/NGC-4717		DNEB,NPBRIGHTER\$SMBM
NGC 4717 18"	Vir 8mm Ds	Galaxy SB(rs)a pec? VF,PS,OVAL,MEXDT,UB,NND,R=F,PAIRED W/NGC-4716		DNEB SF ONE FAINTER
NGC 5534 18"	Vir 8mm Ds	Galaxy (R')SAB(s)ab p: PF,PS,OVAL,FNUC,R=F		PF,ST INV,*12NP
NGC 5549 18"	Vir 8mm Ds	H552-3 PF,PS,OVAL,MET,FNUC,R=F	Galaxy S0	VF,VS,R
NGC 5812 18"	Lib 8mm Ds	H71-1 PF,PS,R,FNUC,R=F	Galaxy E0	CB,S,R,SVMBM
NGC 5816 18"	Lib 8mm Ds	Galaxy PF,PS,OVAL,UB,NND,R=F		F,PS,GBMN,STELLAR
NGC 5817 18"	Lib 8mm Ds	Galaxy S0 VF,VS,R,UB,NND,AV2,R=P		VF,PS
NGC 5849 18"	Lib 8mm Ds	Galaxy S0 VF,VS,R,UB,NND,AV1,R=P		*13INVF NEB,3*P1S
NGC 5880 18"	Lib 8mm Ds	Galaxy E VF,VS,R,UB,NND,R=F, MEGASTAR STAYS 15.5 MAGNITUDE. NGC/IC SAYS 14.3 MAG.		EF,VS,R,BM,NR 5883
NGC 5883 18"	Lib 8mm Ds	Galaxy S0 VF,VS,OVAL,UB,NND, R=F		NO DESCRIPTION
NGC 6703 18"	Lyr 8mm Ds	Galaxy SA0- F,PS,R,FNUC,R=G,SOME SPIRAL STRUCTURE NOTED.		B,S,R,MBM
NGC 6720 18"	Lyr 8mm Ds	M57 EYE CANDY.	Planetary Neb 4+3	RINGNEB,B,PL,CE,LYRA

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IC	3259	Vir	Galaxy SAB(s)dm?	
	18"	7mm TV	VF,VS,OVAL,UB,NND,AV1,R=P	
NGC	2913	Leo	Galaxy S?	VF,PL,IR
	18"	7mm TV	VF,VS,OVAL,MEXT,NND,R=F	
NGC	3034	UMa	M82 H79-4 Galaxy I0 sp	VB,VL,VME(RAY)
	28"	17mmAT	SUPER NOVA IN M-82. NEAT TO SEE. M-82 LOOKED GREAT WITH THE DUST LANES	
NGC	3044	Sex	H254-3 Galaxy SB(s)c? sp	VF,VL,VME122
	28"	7mm TV	SUPER WITH IMAGE INTENSIFIER. SOME DETAIL IN CORE DEFINITION COMES AND GOES	
NGC	3044	Sex	H254-3 Galaxy SB(s)c? sp	VF,VL,VME122
	18"	7mm TV	B,PS,EON,UB,NND,R=G,PA=145,REALLY NICE	
NGC	3365	Sex	Galaxy Scd: sp	EF,L,EE159,VGV LBM
	18"	7mm TV	PF,PS,EON,UB,NND,R=F,PA=150	
NGC	3424	LMI	H494-2 Galaxy SB(s)b:?	PF,PL,LE,SP OF 3
	18"	7mm TV	DIFF,PF,PS,R,UB,NND,R=F	
NGC	3662	Leo	H4-4 Galaxy SAB(r)bc pec	VF,S,ATT TO*13M
	18"	7mm TV	VF,VS,OVAL,NND,R=F	
NGC	3678	Leo	Galaxy Sbc	VF,S,R,PSBM,*12NF
	18"	7mm TV	VF,VS,OVAL,NND,AV3,R=P	
NGC	3679	Leo	H112-3 Galaxy Sbc	EF,CL,R,R,VNR VB*
	18"	7mm TV	VF,VS,OVAL,NND,AV1,R=P	
NGC	3697	Leo	Galaxy SABb	EF,VS,E90
	18"	7mm TV	VF,VS,EON,UB,NND,AV1,R=F,PA=95	
NGC	3701	Leo	H349-2 Galaxy Sbc	PF,PL,LE
	18"	7mm TV	VF,PS,OVAL,MEXT,UB,NND,AV,R=F,PA=135	
NGC	3760	Leo	Non-Existent	B,PS,MBMN=*13,*11 NR
	18"	7mm TV	B,PS,EON,BNUC,R=G,PA=45	
NGC	4341	Vir	H95-3 Galaxy SAB(s)0^ sp	EF,VS,R
	18"	7mm TV	PF,PS,EON,UB,NND,R=F	
NGC	4342	Vir	H96-3 Galaxy S0- sp	EF,VS,R
	18"	7mm TV	PF,PS,OVAL,BNUC,R=F	
NGC	4343	Vir	H94-3 Galaxy SA(rs)b:	PF,S,E,(D)
	18"	7mm TV	PF,PS,OVAL,MEXT,UB,NND,R=F	
NGC	4348	Vir	H625-2 Galaxy SAbc: sp	F,PL,E70,VLBM
	18"	7mm TV	PF,PS,EON,UB,NND,R=F,PA=40	
NGC	4350	Com	H86-2 Galaxy SA0 sp	CB,VS,ME,VSBM
	18"	7mm TV	VF,PS,OVAL,UB,NND,AV,R=P	
NGC	4351	Vir	Galaxy SBab/	F,PL,IR,BM
	18"	7mm TV	DIFF,PF,PS,OVAL,UB,NND,R=F	

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NGC 4352 18"	Vir 7mm TV	H64-2 PF,PS,OVAL,PEXT,FNUC,R=G	Galaxy SA0: sp	CF,CS,LE
NGC 4370 18"	Vir 7mm TV	H144-2 PF,PS,OVAL,UB,NND,R=F	Galaxy Sa sp	PF,PS,LE,BM
NGC 4385 18"	Vir 7mm TV	Galaxy SB(rs)0+: PF,PS,OVAL,MEXT,UB,NND,R=F		VF,VS,ALM STELL
NGC 4403 18"	Vir 7mm TV	H755-3 PF,PS,OVAL,PEXT,UB,NND,R=F,PAIRED W/NGC-4404	Galaxy SA(r)ab pec sp	VF,VS,E
NGC 4404 18"	Vir 7mm TV	H756-3 PF,PS,OVAL,UB,NND,R=F,PAIRED W/NGC-4403	Galaxy SA(r)0- pec:	VF,VS,E
NGC 4410A 18"	Vir 7mm TV	Non-Existent VF,PS,R,UB,NND,R=F,PAIRED W/NGC-4410B		
NGC 4410B 18"	Vir 7mm TV	Non-Existent VF,PS,R,UB,NND,R=F,PAIRED W/NGC-4410A		
NGC 4411A 18"	Vir 7mm TV	Galaxy SBdm VF,PS,OVAL,UB,NND,AV,R=F		
NGC 4411B 18"	Vir 7mm TV	Non-Existent PF,PS,OVAL,UB,NND,R=F		
NGC 4413 18"	Vir 7mm TV	H169-2 PF,PS,OVAL,UB,ND,R=F	Non-Existent	CF,S,GBM,2ST N,NP
NGC 4420 18"	Vir 7mm TV	H23-2 PF,PS,OBVAL,MEXT,UB,NND,R=F	Non-Existent	F,PL,LE,R,(=4409)
PGC 27681 18"	Leo 7mm TV	Galaxy Sb VF,PS,EON,NND,AV,R=F,PA=130		
PGC 40602 18"	Vir 7mm TV	Galaxy S? VF,VS,R,UB,NND,R=F		

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IC	1398	Peg	Galaxy Sc	
	36"	17mmT4	PF,PS,R,UB,NND,R=F	
IC	1461	Peg	Galaxy S?	
	36"	17mmT4	PF,PS,OVAL,FNUC,R=F	
IC	1478	Peg	Galaxy Sb	VF, S, DIF
	36"	17mmT4	CF,CS,OVAL,UB,NND,R=F	
IC	5254	Peg	Galaxy	
	36"	17mmT4	PF,PS,OVAL,UB,NND,R=F	
IC	5305	Peg	Galaxy S	
	36"	17mmT4	PF,PS,OVAL,UB,NND,R=F	
IC	5309	Psc	Galaxy Sb	
	36"	17mmT4	PF,PS,EON,UB,NND,AV,R=F,PA=34	
MAC	2257+1454	Peg	Galaxy	
	36"	17mmT4	VF,VS,R,UB,NND,R=F	
MAC	2257+1457	Peg	Galaxy	
	36"	17mmT4	VF,VS,R,NND,AV2,R=F	
MAC	2319+0930	Peg	Galaxy	
	36"	17mmT4	VF,VS,OVAL,UB,NND,AV,R=F	
MAC	2340+2710A	Peg	Galaxy	
	36"	17mmT4	VF,VS,R,UB,NND,R=F	
MAC	2345+2728	Peg	Galaxy	
	36"	17mmT4	VF,VS,OVAL,NND,R=F	
NGC	7370	Peg	Galaxy	EF,VS
	36"	17mmT4	VF,VS,OVAL,NND,R=F	
NGC	7374	Peg	Galaxy S?	VF,PL,R
	36"	17mmT4	CF,CS,OVAL,FNUC,R=F,PAIRED W/PGC-69675	
NGC	7375	Peg	Galaxy S(r)0	EF,VS,R
	36"	17mmT4	CF,CS,OVAL,FNUC,R=F	
NGC	7409	Peg	Galaxy E	EF
	36"	17mmT4	CF,PS,OVAL,UB,NND,R=F	
NGC	7411	Peg	Galaxy E:	VF,VS
	36"	17mmT4	CF,CS,OVAL,FNUC,R=G	
NGC	7415	Peg	Galaxy Sab	EF
	36"	17mmT4	PF,PS,OVAL,UB,NND,R=F,PAIRED W/PGC-69984	
NGC	7427	Peg	Galaxy Compact	F,S,*9SF4'
	36"	17mmT4	CF,PS,R,UB,NND,R=F	
NGC	7430	Peg	Galaxy S	EF,VS
	36"	17mmT4	CF,PS,OVAL,FNUC,R=F	

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NGC	7432	Peg	H465-3	Galaxy E	EF,S,R
	36"	17mmT4	CF,CS,OVAL,UB,NND,R=G		
NGC	7437	Peg		Galaxy SAB(rs)d	EEF,L,R,F*NRNF,
	36"	17mmT4	DIFF,CF,PS,R,UB,NND,R=F		
NGC	7578A	Peg		Galaxy S0^ pec	VF,AM VS ST
	36"	17mmT4	PF,PS,OVAL,UB,NND,R=F,PAIRED W/NGC-7578B		
NGC	7578B	Peg		Galaxy E1:	
	36"	17mmT4	PF,PS,R,UB,NND,R=F,PAIRED W/NGC-7578A		
NGC	7588	Peg		Galaxy S	EF,ES
	36"	17mmT4	PF,PS,OVAL,UB,NND,R=F		
NGC	7594	Peg		Galaxy S?	PF,R,3ST P
	36"	17mmT4	PF,PS,OVAL,UB,NND,R=F		
NGC	7597	Peg		Galaxy S?	EF,VS,GBM
	36"	17mmT4	PF,PS,R,UB,NND,R=F		
NGC	7598	Peg		Galaxy E	EF,ES,STELLAR
	36"	17mmT4	PF,PS,OVAL,UB,NND,R=F		
NGC	7601	Peg		Galaxy SAB(s)c:	PB,DIF
	36"	17mmT4	CF,PS,OVAL,UB,NND,R=F		
NGC	7602	Peg		Galaxy S?	EF,ES,STELLAR
	36"	17mmT4	PF,PS,R,UB,NND,R=F		
NGC	7608	Peg		Galaxy S?	VF,PS,LE,LBM
	36"	17mmT4	CF,PS,EON,UB,NND,R=F,PA=22		
NGC	7609	Peg		Galaxy Pec	VF,VS,GBM
	36"	17mmT4	CF,PS,OVAL,UB,NND,R=F		
NGC	7611	Psc		Galaxy SB0+:	F,S,R,TRIW/2*19N
	36"	17mmT4	CF,CS,OVAL,VEXT,BNUC,R=F		
NGC	7615	Peg		Galaxy Sb?	EF,CS
	36"	17mmT4	PF,PS,OVAL,MEXT,UB,NND,R=F		
NGC	7641	Peg		Galaxy	VF,S,IR,DIF,LBM
	36"	17mmT4	PF,PS,EON,UB,NND,R=F,PA=135		
NGC	7643	Peg		Galaxy S?	F,PS,IR,DIF,LBM
	36"	17mmT4	PF,PS,OVAL,MEXT,NND,R=G		
NGC	7726	Peg		Galaxy SB(s)b	EEF,PS,R,VDIFFIC
	36"	17mmT4	DIFF,,PF,CS,OVAL,MEXT,NND,R=F		
NGC	7728	Peg		Galaxy E	VF,VS,LE,*10SP
	36"	17mmT4	CFR,CS,OVAL,MEXT,FNUC,R=G		
NGC	7729	Peg		Galaxy Sa	VF,S,IE,F*INV S
	36"	17mmT4	CF,PS,EON,UB,NND,R=F,PA=7		

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NGC 7735 36"	Peg 17mmT4	Galaxy E CF,CS,OVAL,MEXT,UB,NND,R=F	VF,S,VLE,*13NF VNR
NGC 7737 36"	Peg 17mmT4	Galaxy S0/a CF,PS,OVAL,MEXT,FNUC,R=G	VF,S,MBMN
NGC 7747 36"	Peg 17mmT4	Galaxy (R')SB(s)b PF,PS,OVAL,FNUC,R=F	VF,VS,IR
NGC 7752 36"	Peg 17mmT4	Galaxy I0: CF,CS,OVAL,MEXT,FNUC,R=F	F,S,LE,P 7753
PGC 69675 36"	Peg 17mmT4	Galaxy PF,PS,OVAL,FNUC,R=F,PAIRED W/NGC-7374	
PGC 69955 36"	Peg 17mmT4	Galaxy VF,VS,R,NND,R=F	
PGC 69984 36"	Peg 17mmT4	Galaxy S PF,PS,OVAL,UB,NND,R=F,PAIRED W/NGC-7415	
PGC 70111 36"	Peg 17mmT4	Galaxy C VF,VS,OVAL,UB,NND,R=F	
PGC 70115 36"	Peg 17mmT4	Galaxy VF,VS,OVAL,UB,NND,R=F	
PGC 70136 36"	Peg 17mmT4	Galaxy S PF,PS,OVAL,UB,NND,R=F	
PGC 70162 36"	Peg 17mmT4	Galaxy S VF,PS,R,UB,NND,AV1,R=F	
PGC 70175 36"	Peg 17mmT4	Galaxy Sdm: VF,CS,EON,UB,NND,R=F,PA=30	
PGC 70180 36"	Peg 17mmT4	Galaxy PF,PS,R,UB,NND,R=F	
PGC 70247 36"	Peg 17mmT4	Galaxy Sc CF,PS,OVAL,UB,NND,R=F	
PGC 70598 36"	And 17mmT4	Galaxy Compact VF,VS,OVAL,UB,NND,AV2,R=F	
PGC 71054 36"	Peg 17mmT4	Galaxy S PF,PS,OVAL,UB,NND,R=F	
PGC 71080 36"	Peg 17mmT4	Galaxy S? PF,PS,OVAL,UB,NND,R=F	
PGC 71085 36"	Peg 17mmT4	Galaxy Dwarf? VF,VS,OVAL,PEXT,UB,NND,AV2,R=F	
PGC 71120 36"	Psc 17mmT4	Galaxy Sm: VF,CS,R,UB,NND,AV3,R=P	

Observations Listing by Date

November 3, 2013 Hidden Hollow - RAS

PGC 72179 Peg Galaxy S?
36" 17mmT4 PF,PS,OVAL,UB,NND,R=F

PGC 72341 Peg Galaxy C
36" 17mmT4 PF,VS,OVAL,UB,NND,R=F

PGC 72346 Peg Galaxy Sd
36" 17mmT4 VF,VS,R,UB,NND,R=F

September 27, 2013 Hidden Hollow - RAS

NGC 7068 Peg Galaxy Sc VF,CLOSE TO A S*
18" 7mm TV PF,PS,OVAL,MEXT,UB,NND,R=F

NGC 7074 Peg Galaxy C VF,S,E
18" 7mm TV VF,VS,EON,UB,NND,R=F

NGC 7372 Peg Galaxy S? F,S,IR
18" 7mm TV PF,PS,R,UB,NND,R=F

NGC 7373 Peg Galaxy SAB(s)0^? F,VS,BM,STELLAR
18" 7mm TV VF,PS,R,UB,NND,R=F

NGC 7387 Peg Galaxy S0-: EF,VS,R,2*11S
18" 8.8 ES PF,PS,OVAL,UB,NND,R=F

NGC 7389 Peg Galaxy SB0 VF,R
18" 8.8 ES PF,PS,OVAL,MEXT,UB,NND,R=F

September 6, 2013 Hidden Hollow - RAS

NGC 7347 Peg Galaxy S? EF,PL,E
18" 7mm TV PF,PS,EON,UB,NND,R=F

NGC 7360 Peg Galaxy S? EF,VS
18" 7mm TV PF,PS,OVAL,UB,NND,R=F

Observations Listing by Date

July 13, 2013

Hidden Hollow - RAS

ABELL 36	Vir	Planetary Neb	
18"	11mm T6	VF,VS,R=F.	NO CENTRAL STAR NOTED. USED OIII FILTER.
NGC 205	And	M110 H18-5	Galaxy E5 pec VB,VL,ME165,VGVMBM
18"	35mm A	MORE EYE CANDY	
NGC 221	And	M32	Galaxy cE2 VVB,L,R,PSMBMN
18"	35mm A	MORE EYE CANDY	
NGC 224	And	M31	Galaxy SA(s)b EEB,EL,VME,ANDROMEDA 17
18"	35mm A	MORE EYE CANDY	
NGC 2957A	Dra		Galaxy E1: EF,*13NR
18"	7mm TV	VF,VS,OVAL,PEXT,NND,R=P	
NGC 2957B	Dra		Galaxy E
18"	7mm TV	VF,VS,OVAL,PEXT,NND,R=P	
NGC 2963	Dra	H315-3	Galaxy SBab VF,VS,R,BM
18"	7mm TV	PF,PS,OVAL,PEXT,UB,NND,R=F	
NGC 3144	Dra		Non-Existent VF,S,R,*13ATT F
18"	7mm TV	VF,PS,OVAL,MEXT,UB,NND,R=F	
NGC 3197	Dra	H966-3	Galaxy Sbc VF,VS
18"	7mm TV	PF,PS,OVAL,MEXT,UB,NND,R=F	
NGC 3212	Dra	H980-3	Galaxy SB? VF,S,2ND OF 3
18"	7mm TV	VF,PS,OVAL,MEXT,UB,NND,R=F,PAIRED W/NGC-3215	
NGC 3215	Dra	H981-3	Galaxy S? VF,S,3RD OF 3
18"	7mm TV	VF,PS,PEXT,UB,NND,R=F,PAIRED W/NGC-3212	
NGC 3252	Dra	H316-3	Galaxy SBd? sp EF,PS,ME,R
18"	7mm TV	PF,PS,EON,UB,NND,R=F,PA=35	
NGC 3343	Dra	H317-3	Galaxy E PF,S,R,GBM
18"	7mm TV	PF,PS,OVAL,MEXT,UB,NND,R=F	
NGC 3465	Dra	H967-3	Non-Existent EF,PL,R,VGLBM,**NF
18"	7mm TV	VF,PS,OVAL,MEXT,UB,NND,R=F	
NGC 3523	Dra	H904-2	Galaxy Sbc F,PL,LBM,
18"	7mm TV	VF,PS,R,UB,NND,AV,R=F	
NGC 3587	UMa	M97	Planetary Neb 3a PLN,VB,VL,R,VVG,VSBM
18"	7mm TV	MORE EYE CANDY	
NGC 3736	Dra		Galaxy Sb VF,VS,R
18"	7mm TV	PF,PS,OVAL,NND,AV,R=F	
NGC 3752	Dra	H905-2	Galaxy Sab PB,PL
18"	7mm TV	PF,PS,OVAL,MEXT,NND,R=F	
NGC 3890	Dra	H940-3	Galaxy S? VF,S,R,BM
18"	7mm TV	VF,VS,OVAL,UB,NND,AV1,R=F	

Observations Listing by Date

July 13, 2013

Hidden Hollow - RAS

NGC	3961	Dra	H905-3	Galaxy (R)SB(r)a:	EF,VS
	18"	7mm TV		VF,VS,OVAL,NND,AV2,R=F	
NGC	4034	Dra	H903-3	Galaxy Scd:	EF,S,IF,GVLBM
	18"	7mm TV		VF,PS,OVAL,MEXT,UB,NND,R=F	
NGC	4120	Dra	H904-3	Galaxy SA(rs)cd:	EF,VS,E
	18"	7mm TV		VF,PS,EON,UB,NND,R=F	
NGC	5194	CVn	M51	Galaxy SA(s)bc pec	GREAT SPIRAL NEBULA
	18"	7mm TV		MORE EYE CANDY - WHIRLPOOL GALAXY	
NGC	5195	CVn	H186-1	Galaxy I0 pec	B,PS,LE,VGBM,INV-M51
	18"	7mm TV		MORE EYE CANDY - MAYTAG GALAXY	
NGC	6121	Sco	M4	Globular	CL,8OR10B*LINE,RRR
	18"	7mm TV		MORE EYE CANDY	
NGC	6618	Sgr	M17	Nebula EN+OC	B,EL,EIF,2HOOKED
	18"	7mm TV		THE SWAN - OIII FILTER	
NGC	6720	Lyr	M57	Planetary Neb 4+3	RINGNEB,B,PL,CE,LYRA
	18"	7mm TV		EYE CANDY	
NGC	7078	Peg	M15	Globular	GCL,VB,VL,IR,VSMBM
	18"	7mm TV		MORE EYE CANDY	
NGC	7317	Peg		Galaxy E4	VF,VS
	18"	5mm TV		STEPHAN'S QUINTET	
NGC	7318B	Peg		Galaxy SB(s)bc pec	EF,ES
	18"	5mm TV		STEPHAN'S QUINTET	
NGC	7318A	Peg		Galaxy E2 pec	EF,ES
	18"	5mm TV		STEPHAN'S QUINTET	
NGC	7319	Peg		Galaxy SB(s)bc pec	EF,ES
	18"	5mm TV		STEPHAN'S QUINTET	
NGC	7320	Peg		Galaxy SA(s)d	F,VS
	18"	5mm TV		STEPHAN'S QUINTET	
NGC	7320C	Peg		Galaxy (R)SAB(s)0/a	
	18"	5mm TV		VF,VS,R,UB,NND,AV2,R=F	
NGC	7331	Peg	H53-1	Galaxy SA(s)b	B,PL,PME163,SMBM
	18"	7mm TV		EYE CANDY. ALWAYS GREAT TO LOOK AT.	
PGC	33277	Dra		Galaxy Sab	
	18"	7mm TV		VF,VS,OVAL,UB,NND,AV,R=P	

Observations Listing by Date

March 8, 2013**Hidden Hollow - RAS**

IC	520	Cam	Galaxy SAB(rs)ab?	
	18"	7mm TV	PF,PS,OVAL,UB,NND,R=F	
IC	676	Leo	Galaxy (R)SB(r)0+	
	18"	7mm TV	PF,PS,OVAL,UB,NND,R=F	
IC	677	Leo	Galaxy Sbc	
	18"	7mm TV	PF,PS,OVAL,PEXT,UB,NND,R=F	
IC	2389	Cam	Galaxy SB(s)b?	
	18"	7mm TV	PF,VS,EON,,UB,NND,R=F	
NGC	2633	Cam	Galaxy SB(s)b	F,S,LE
	18"	7mm TV	PF,VS,OVAL,MEXT,UB,NND,R=F	
NGC	2634	Cam	Galaxy E1:	F,S,LE
	18"	7mm TV	VF,VS,R,UB,NND,R=F	
NGC	2646	Cam	Galaxy SB(r)0^:	VF,S,2F*2.5'SF
	18"	7mm TV	PF,PS,R,UB,NND,R=F	
NGC	2715	Cam	Galaxy SAB(rs)c	PB,L,E
	18"	7mm TV	PF,PS,OVAL,PET,UB,NND,R=F	
NGC	3563B	Leo	Galaxy S0-a	
	18"	8.8 ES	VF,PS,OVA,,UB,NND,R=F, PAIRED W/NGC-3563A	
NGC	3567	Leo	H89-3 Galaxy S0 pec	EF,R,SBM,R
	18"	8.8 ES	VF,PS,OVAL,UB,NND,R=F	
NGC	3574	Leo	Galaxy S?	EF
	18"	8.8 ES	VF,PS,R,UB,NND,R=F	
NGC	3592	Leo	Galaxy Sc? sp	EF,S,PME60
	18"	8.8 ES	PF,PS,EON,UB,NND,R=F	
PGC	24978	Cam	Galaxy Dwarf Irr	
	18"	7mm TV	VF,VS,OVAL,UB,NND,AV,R=F	

Observations Listing by Date

December 13, 2012 Hidden Hollow - RAS

IC	293	Per	Galaxy E-S0	
	18"	7mm TV	VF,VS,R,UB,NND,R=F	
IC	301	Per	Galaxy E	
	18"	8.8 ES	PF,PS,R,FNUC,AV,R=F,NUCLEUS POPS IN/OUT WITH AV.	
IC	309	Per	Galaxy SA(s)0^	
	18"	7mm TV	PF,PS,R,FNUC,R=F	
IC	329	Tau	Galaxy S?	
	18"	7mm TV	PF,PS,OVAL,UB,NND,R=F	
IC	330	Tau	Galaxy Sab	
	18"	7mm TV	VF,VS,OVAL,PEXT,UB,NND,AV,R=F	
IC	331	Tau	Galaxy S?	
	18"	7mm TV	PF,PS,R,UB,NND,R=F	
IC	1918	Tau	Galaxy	
	18"	7mm TV	VF,VS,OVAL,UB,NND,AV,R=F	
IC	1931	Tau	Galaxy D	
	18"	7mm TV	VF,VS,R,UB,NND,AV3,R=P	
MAC	0310+4200	Per	Galaxy	
	18"	8.8 ES	VFR,VS,R,NND,AV3,R=P	
NGC	1224	Per	Galaxy S0-:	EF,VS,R
	18"	7mm TV	PF,PS,R,FNUC,R=G	
NGC	1250	Per	Galaxy S0^: sp	VF,VS,R
	18"	7mm TV	PF,PS,OVAL,PEXT,FNUC,R=F	
NGC	1257	Per	Galaxy Sa	STELLAR NEB
	18"	7mm TV	PF,PS,OVAL,VEXT,UB,NND,R=F	
NGC	1259	Per	Galaxy S0	VF,S,R,VLBM
	18"	7mm TV	PF,PS,R,UB,NND,R=F	
NGC	1260	Per	Galaxy S0/a: sp	VF,S,R
	18"	7mm TV	PF,PS,OVAL,MEXT,UB,NND,R=F	
NGC	1264	Per	Galaxy SBa-b	VF,S,VLBM
	18"	7mm TV	PF,PS,OVAL,UB,NND,R=F	
NGC	1349	Tau	Galaxy S0	EEF,S,R,BET2*
	18"	7mm TV	PF,PS,R,UB,NND,R=F	
NGC	7543	Peg	Galaxy S?	VF,S,R,LBM
	18"	7mm TV	PF,PS,OVAL,UB,NND,R=F	
NGC	7547	Peg	Galaxy (R')SAB(s)0/a p	VF,S,IR
	18"	7mm TV	PF,PS,OVAL,UB,NND,R=F	
NGC	7559	Peg	Non-Existent	
	18"	7mm TV	VF,PS,OVAL,UB,NND,AV1,R=F	

Observations Listing by Date

December 13, 2012 Hidden Hollow - RAS

NGC	7568	Peg	Galaxy S?	EF,PL,IR,SEV ST INV
	18"	7mm TV	PF,PS,OVAL,UB,NND,R=F	
PGC	11863	Per	Galaxy S0?	
	18"	8.8 ES	VF,VS,OVAL,UB,NND,R=F	
PGC	11982	Per	Galaxy S?	
	18"	7mm TV	VF,PS,OVAL,NND,AV,R=P	
PGC	12004	Per	Galaxy	
	18"	7mm TV	VF,VS,OVAL,PEXT,UB,NND,R=F	
PGC	12038	Per	Galaxy S0:	
	18"	7mm TV	VF,VS,OVAL,PEXT,FNUC,R=F	
PGC	12039	Per	Galaxy	
	18"	7mm TV	PF,CS,OVAL,MEXT,FNUC,R=F	
PGC	12073	Per	Galaxy Dwarf	
	18"	7mm TV	VF,PS,OVAL,MEXT,NND,AV4,R=P	
PGC	12081	Per	Galaxy (R')SB(s)b	
	18"	8.8 ES	PF,VS,OVAL,UB,NND,R=F	
PGC	12089	Per	Galaxy Scd:	
	18"	8.8 ES	VF,VS,R,UB,NND,R=F	
PGC	12092	Per	Galaxy S0/a	
	18"	8.8 ES	PF,PS,OVAL,MEXT,UB,ND,R=F	
PGC	12097	Per	Galaxy	
	18"	7mm TV	VF,VS,R,UB,NND,AV2,R=P	
PGC	12132	Per	Galaxy SAB(s)d	
	18"	7mm TV	DIFF,VF,PS,OVAL,PEXT,UB,NND,R=F	
PGC	12133	Per	Galaxy Sab	
	18"	7mm TV	PF,VS,OVAL,PEXT,UB,NND,R=F	
PGC	12185	Per	Galaxy Sa?	
	18"	7mm TV	PF,PS,EON,UB,NND,R=F	
PGC	12254	Per	Galaxy	
	18"	7mm TV	VF,PS,R,UB,NND,R=F	

Observations Listing by Date

December 12, 2012 Hidden Hollow - RAS

B	33	Ori	Nebula Ir	
	36"	31mmT5	OUTSTANDING OBJECT W/HYDROGEN-BETA FILTER.AND VERY GOOD TRANSPARENCY.	
IC	2	Cet	Galaxy Sb	
	36"	17mmT4	VF,VS,OVAL,UB,NND,R=F	
IC	3	Psc	Galaxy E/S0	
	36"	17mmT4	PG,PD,OVAL,MEXT,FNUC,R=F	
IC	101	Psc	Galaxy S?	
	36"	17mmT4	VF,VS,OVAL,UB,NND,R=F	
IC	102	Psc	Galaxy S0/a	
	36"	17mmT4	VF,VS,OVAL,MEXT,UB,NND,R=F	
IC	114	Psc	Galaxy S0	
	36"	17mmT4	PF,PS,OVAL,UUD,R=F,BRIGHTER TOWARDS THE MIDDLE	
IC	176	Cet	Galaxy Sc:	
	36"	17mmT4	VF,PS,EON,UB,NND,R=P,PA=95	
IC	194	Cet	Galaxy Sb: sp	
	36"	17mmT4	VFR,VS,EON,UB,NND,R=P,PA=10	
IC	1815	Tri	Galaxy SB0	
	36"	17mmT4	PF,PS,OVAL,FNUC,R=G	
MAC	0149+3237	Tri	Galaxy	
	36"	17mmT4	VF,VS,OVAL,UB,NND,R=P	
MAC	0237+0716	Cet	Galaxy	
	36"	17mmT4	VF,VS,R,NND,AV2,R=F	
NGC	12	Psc	H868-3 Galaxy SAB(rs)c:	EF,PL,VGLBM
	36"	17mmT4	PF,PS,R,NND,R=F,15TH MAG STAR TO WEST,BRIGHTER TOWARDS THE MIDDLE.	
NGC	17	Cet	Galaxy Pec	VF,ES,IR,D*2'P
	36"	17mmT4	PB,PS,OVAL,PEXT,BNUC,R=G	
NGC	35	Cet	Galaxy Sb	EEF,PS,R
	36"	17mmT4	PF,PS,OVAL,UB,NND,R=F	
NGC	36	Psc	H456-3 Galaxy SAB(rs)b	VF,PS,IF
	36"	17mmT4	VF,VS,R,FNUC,R=F,SOME SPIRAL STRUTURE ON ARMS	
NGC	38	Psc	Galaxy (R)SAa:	F,S,R,MBM
	36"	17mmT4	PF,PS,R,FRNUC,R=F	
NGC	45	Cet	Galaxy SA(s)dm	EF,L,VGVLBM,L*CONT F
	36"	17mmT4	DIFF,PF,PS,OVAL,UB.,NND,R=F	
NGC	47	Cet	Galaxy SBbc	VF,VS
	36"	17mmT4	PF,PS,R,FNUC,R=F,AKA NGC-58	
NGC	50	Cet	Galaxy S0- pec	VF
	36"	17mmT4	PF,PS,R,BNUC,R=F	

Observations Listing by Date

December 12, 2012 Hidden Hollow - RAS

NGC 522 36"	Psc 17mmT4	Galaxy Sbc: sp PF,PS,,EON,UB,NND,R=G,PA=45,SLIGHT BULGE	EF,PL,IF,(CL+NEB)
NGC 525 36"	Psc 17mmT4	Galaxy S0 PF,PS,OVAL,MEXT,UB,NND,R=F	VF,VS,*11.12P5S
NGC 973 36"	Tri 17mmT4	Galaxy Sb PF,PS,EON,UB,NND,R=G,PA=45	EEF,S,ME,PB*NR SP
NGC 997 36"	Cet 17mmT4	Galaxy E PF,PS,OVAL,MEXT,FNUC,HSB,R=G	F,S
NGC 998 36"	Cet 17mmT4	Galaxy S PF,PS,OVAL,UB,NND,R=F	VF
NGC 1110 36"	Eri 17mmT4	Galaxy SB(s)m: sp PF,PS,EON,UB,NND,R=F	EF,PL,E348
NGC 1145 36"	Eri 17mmT4	Galaxy Sc: sp PF,PS,E3ON,UB,NND,R=F,PA=18	F,PL,PME,2S* F
NGC 1163 36"	Eri 17mmT4	Galaxy SBbc? sp PF,PS,EON, FNUC,R=F,PA=140	VF,PS,ME75
NGC 2359 36"	CMa 17mmT4	H21-5 Nebula E OUSTANDING OBJECT WOIII FILTER AND VERY GOOD TRANSPARENCY.	VF,VVL,VIF
PGC 797 36"	Psc 17mmT4	Galaxy S VF,VS,OVAL,UB,NND,R=F, COMPANION OF NGC-36	
PGC 873 36"	Psc 17mmT4	Galaxy SBb VF,VS,OVAL,UB,NND,R=F	
PGC 971 36"	Cet 17mmT4	Galaxy S0 PF,VSW,OVAL,UB,NND,R=-F	
PGC 972 36"	Cet 17mmT4	Galaxy VF,VS,OVAL,UB,NND,R=F	
PGC 1942 36"	Scl 17mmT4	Galaxy Sc sp PF,VS,EON,UB,NND,R=F,PA=70	
PGC 2458 36"	And 17mmT4	Galaxy Scd: VF,VS,EON,UB,NND,R=F,PA=45	
PGC 2526 36"	Cet 17mmT4	Galaxy SB(s)cd? sp PF,PS,EON,UB,NND,R=F,PA=90,STAR AT WEST TIP	
PGC 2800 36"	Cet 17mmT4	Galaxy (R')SBb: VF,VS,EON,UB,NND,R=F,60 DEGREES FROM NORTH	
PGC 2805 36"	Cet 17mmT4	Galaxy SBd pec sp PF,PS,EON,UB,NND,R=F,PA=75,STAR NW OF GX	
PGC 3133 36"	Psc 17mmT4	Galaxy S? PF,VS,EON,UB,NND,R=F,PA=170	

Observations Listing by Date

December 12, 2012 Hidden Hollow - RAS

PGC 4063	Cet	Galaxy SB(s)d? sp
36"	17mmT4 PF,PS,EON,UB,NND,R=F,PA=90	
PGC 5213	Psc	Galaxy SBb
36"	17mmT4 VF,VS,OVAL,UB,ND,R=F	
PGC 6189	Tri	Galaxy Scd:
36"	17mmT4 PF,PS,EON,,AV,R=P,PA=50	
PGC 6699	Tri	Galaxy Sdm
36"	17mmT4 B,S,EON,UB,NND,R=F,ABUTS PGC-6700,PA=45	
PGC 6700	Tri	Galaxy C
36"	17mmT4 PF,VS,OVAL,UB,NND,R=F	
PGC 6966	Cet	Galaxy SA(s)c? sp
36"	17mmT4 PF,PS,EON,FUC,R=G,PA=170.OFFSET BULGE TOWARDS NORTH	
PGC 7244	Cet	Galaxy Sbc: sp
36"	17mmT4 VG,VS,EON,NND,R=P,PA=140	
PGC 8913	Cet	Galaxy SB(s)m: sp
36"	17mmT4 VF,VS,EON,NND,R=P,PA=60	
PGC 8964	Ari	Galaxy Sd
36"	17mmT4 VF,VS,EON,NND,AV,R=P,PA=155	
PGC 9134	Tri	Galaxy Sd
36"	17mmT4 VF,VS,EON,NND,AV,R=F,PA=50	
PGC 9375	Tri	Galaxy Scd:
36"	17mmT4 VF,PS,EON,UB,NND,AV3,R=F,PA=180	
PGC 9638	Ari	Galaxy Scd:
36"	17mmT4 VS,PS,EON,NND,AV,R=F,PA=90	
PGC 9888	Ari	Galaxy Scd:
36"	17mmT4 PF,PS,EON,NND,R=F,PA=120	
PGC 9904	Cet	Galaxy Scd:
36"	17mmT4 VF,PS,EON,NND,AV2,R=P,PA=25	
PGC 11252	Cet	Galaxy Sd
36"	17mmT4 PF,PS,EON,UB,NND,R=F	

Observations Listing by Date

November 16, 2012 Hidden Hollow - RAS

IC	455	Cep	Galaxy S0	
	18"	5mm TV	VF,VS,OVAL,NND,R=F	
IC	469	Cep	Galaxy SAB(rs)ab:	
	18"	5mm TV	VF,VS,OVAL,VEXT,NND,AV2,R=F	
IC	499	Cam	Galaxy Sa	
	18"	7mm TV	PF,PS,OVAL,MEXT,UB,NND,R=G	
IC	1434	Lac	Open Cluster 12.0 III 2 m	
	18"	11mmT6	LOOSE GROUP,15-20 STARS,R=F	
IC	1442	Lac	Open Cluster 12.0 III 1 p	
	18"	11mmT6	TIGHT GROUP, STARS=20+,R=F	
IC	4954	Vul	Nebula R	
	18"	11mmT6	FAINT,SMALL,R=F	
IC	5217	Lac	Planetary Neb 2	
	18"	11mmT6	VS,VF,R=F	
NGC	2337	Lyn	Galaxy IBm	EF,S,E
	18"	7mm TV	PF,PS,OVAL,UB,R=G	
NGC	2340	Lyn	H736-2 Galaxy E	PF,S,R,GLBM,R
	18"	7mm TV	PF,PS,OVAL,UB,NND,R=F	
NGC	2550A	Cam	Galaxy Sc	
	18"	7mm TV	VF,VS,OVAL,MEXT,UB,R=F	
NGC	2550	Cam	Galaxy Sb:	EEF,PS,CE
	18"	7mm TV	VF,VS,OVAL,NND,AV,R=F	
NGC	2551	Cam	Galaxy SA(s)0/a	VF,S,F*IN CENTRE
	18"	7mm TV	VF,PS,OVAL,UB,NND,R=F	
NGC	2591	Cam	Galaxy Scd: sp	F,S,E,LBM
	18"	7mm TV	VF,VS,EON,UB,NND,R=G	
NGC	2633	Cam	Galaxy SB(s)b	F,S,LE
	18"	7mm TV	PF,PS,OVAL,UB,AV,R=F	
NGC	2634	Cam	Galaxy E1:	F,S,LE
	18"	7mm TV	PF,PS,R,UB,NND,R=F	
NGC	6813	Vul	Nebula E	**IN VF,S NEB
	18"	11mmT6	6-8 STARS WITH FAINT NEBULA,R=F	
NGC	6949	Cep	Galaxy S?	EF,PS,IR
	18"	5mm TV	VF,VS,R,UB,R=F	

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IC	451	Cam	Galaxy SAB(r)b:	
	18"	7mm TV	VF,VS,OVAL,UB,NND,AV2,R=F	
IC	458	Lyn	Galaxy S0-:	
	18"	7mm TV	PF,PS,OVAL,UB,NND,R=F	
IC	1529	Cet	Galaxy (R')SA(r)0^ p	
	18"	7mm TV	VF,PS,OVAL,UB,NND,R=F	
IC	1907	Per	Galaxy E?	
	18"	7mm TV	DIFF,VF,PS,R,UB,NND,R=F	
IC	2166	Lyn	Galaxy SAB(s)bc	
	18"	7mm TV	DIFF,PF,PS,OVAL,UB,NND,R=F	
NGC	62	Cet	Galaxy (R)SB(r)a:	F,VS,R,GLBM
	18"	7mm TV	PF,VS,OVAL,UB,NND,R=F	
NGC	64	Cet	Galaxy SB(s)bc	EEF,VS,R,VDIFFIC
	18"	7mm TV	VF,VS,OVAL,UB,NND,R=F	
NGC	317B	And	Galaxy SB?	
	18"	7mm TV	VF,VS,PEXT,UB,NND,R=F	
NGC	1132	Eri	Galaxy E	EF,PL,GBM,*8F
	18"	7mm TV	PF,PS,OVAL,VEXT,UB,NND,R=F	
NGC	1207	Per	H578-3 Galaxy SA(rs)b	CF,VS,R,PSB INNPEND
	18"	7mm TV	PF,VS,OVAL,UB,NND,R=F	
NGC	1213	Per	Galaxy SA(s)dm	EF,LE,*CLOSEN,DIFFIC
	18"	7mm TV	VF,VS,OVAL,UB,NND,AV2,R=F	
NGC	1267	Per	Galaxy E+:	F,VS,R,STELL
	18"	7mm TV	PF,PS,R,UB,NND,R=F	
NGC	1268	Per	Galaxy SAB(rs)b:	EF,S,LE,COM
	18"	7mm TV	PF,PS,OVAL,FNUC,R=F	
NGC	1270	Per	Galaxy E:	VF,S,R
	18"	7mm TV	PF,PS,OVAL,UB,NND,R=F	
NGC	1272	Per	Galaxy E+	F,S,R
	18"	7mm TV	PF,PS,R,UB,NND,R=F	
NGC	1273	Per	Galaxy SA(r)0^?	VF,VS
	18"	7mm TV	PF,VS,OVAL,UB,NND,R=F	
NGC	1274	Per	Galaxy E3	VF,VS
	18"	7mm TV	PF,PS,OVAL,MEXT,UB,NND,R=F	
NGC	1275	Per	H603-2 Galaxy Pec	F,S
	18"	7mm TV	PF,PS,R,FNUC,MSB,R=F	
NGC	1277	Per	Galaxy S0+:	VF,VS,NP1278
	18"	7mm TV	PF,PS,OVAL,PEXT,UB,NND,R=F	

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NGC	2273	Lyn		Galaxy SB(r)a:	F,S,IR,(R)
	18"	7mm TV	PF,PS,OVAL,FNUC,R=F		
NGC	2273B	Lyn		Galaxy SB(rs)cd:	
	18"	7mm TV	DIFF,VF,PS,OVAL,UB,NND,AV2,R=F		
NGC	2315	Lyn		Galaxy S0/a	EF
	18"	7mm TV	PF,VS,EON,UB,NND,R=F,PA=45		
NGC	2320	Lyn	H861-2	Galaxy E	PB,S,IR,GBM,*8SP
	18"	7mm TV	PF,PS,OVAL,FNUC,R=F		
NGC	2321	Lyn		Galaxy SBa	VF,12'N OF2320
	18"	7mm TV	VF,PS,OVAL,UB,NND,AV2,R=F		
NGC	2322	Lyn	H874-3	Galaxy SBa:	VF,VS,LE
	18"	7mm TV	PF,VS,OVAL,VEXT,HSB,R=G		
NGC	2326A	Lyn		Galaxy SA(s)m:	
	18"	7mm TV	VF,VS,OVAL,UB,NND,AV2,R=F		
NGC	2326	Lyn	H734-2	Galaxy SB(rs)b	VF,PL,IR,PSMBM,ST P
	18"	7mm TV	PF,PS,OVAL,MEXT,UB,NND,R=F		
NGC	2332	Lyn	H862-2	Galaxy S0:	F,S,R,PSBM
	18"	7mm TV	PF,PS,OVAL,MEXT,UB,NND,R=F		
NGC	2426	Lyn	H822-2	Galaxy E	CF,R,VGBM,R,*8P
	18"	7mm TV	PF,PS,OVAL,UB,NND,R=F		
NGC	2429A	Lyn		Non-Existent	
	18"	7mm TV	VF,VS,EON,UB,NND,R=F		
NGC	2463	Lyn		Galaxy	EF,R
	18"	7mm TV	VF,VS,R,UB,NND,AV3,R=P		
NGC	2468	Lyn		Galaxy SA0:	F,R,BM
	18"	7mm TV	VF,VS,OVAL,UB,NND,R=F		
NGC	2469	Lyn	H836-3	Galaxy Sbc pec:	F,VS,R,*9SF
	18"	7mm TV	PF,VS,OVAL,UB,NND,R=F		
NGC	2472	Lyn		Galaxy Sb	2OF10NEB IN LINE
	18"	7mm TV	VF,VS,OVAL,UB,NND,R=F		
NGC	2474	Lyn	H830-3	Galaxy E0	F,PS,(E),(BMVS*)L*NF
	18"	7mm TV	VF,VS,R,UB,NND,R=F,PAIRED W/NGC-2475		
NGC	2475	Lyn		Galaxy E1	DNEB W/2474
	18"	7mm TV	VF,VS,R,UB,NND,R=F,PAIRED W/NGC-2474		
NGC	2488	Lyn	H837-3	Galaxy S0-:	VF,VS,R,GLBM
	18"	7mm TV	PF,PS,OVAL,UB,NND,R=F		
NGC	2497	Lyn	H838-3	Galaxy E?	EF,VS
	18"	7mm TV	PF,PS,R,UB,NND,R=F		

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NGC	2505	Lyn	H839-3	Galaxy SBa	EF,VS
	18"	7mm TV	PF,PS,OVAL,VEXT,UB,NND,R=F,PA=90		
NGC	2518	Lyn		Galaxy E-S0	2NEB,F,L,R,GBM
	18"	7mm TV	VF,PS,OVAL,UB,NND,AV1,R=F		
NGC	2521	Lyn		Galaxy SA0- pec?	PF,PL,R,PSBM,*9NP3'
	18"	7mm TV	PF,PS,OVAL,UB,NND,R=F		
NGC	2534	Lyn	H840-3	Galaxy E1? pec	PF,PL,R,PSBM,*8S
	18"	7mm TV	PF,PS,R,FNUC,R=F		
NGC	2549	Lyn		Galaxy SA(r)0^ sp	PB,S,ME0,PSMBM
	18"	7mm TV	F,PS,EON,BNUC,R=F,PA=60		
NGC	2552	Lyn	H711-3	Galaxy SA(s)m?	EF,CL,LE45
	18"	7mm TV	DIFF,PF,S,OVAL,UB,NND,R=F		
NGC	7808	Cet		Galaxy (R')SA0^:	EF,VS,R,STELL N,*8SP
	18"	7mm TV	VF,VS,R,UB,NND,R=F		
PGC	11210	Per		Galaxy SA(s)cd	
	18"	7mm TV	VF,PS,OVAL,UB,NND,R=F		
PGC	11369	Per		Galaxy IAm	
	18"	7mm TV	VF,VS,EON,UB,NND,R=F,PA=80		
PGC	11434	Per		Galaxy Compact group	
	18"	7mm TV	PF,VS,R,UB,NND,R=F		
PGC	11437	Per		Galaxy SB(r)0/a	
	18"	7mm TV	PF,VS,OVAL,UB,FNUC,R=F		
PGC	11444	Per		Galaxy Double System	
	18"	7mm TV	VF,VS,EON,UB,NND,R=P,PA=125		
PGC	11447	Per		Galaxy S?	
	18"	7mm TV	PF,VS,EON,UB,NND,R=F,PA=90		
PGC	11625	Per		Galaxy Sb	
	18"	7mm TV	PF,PS,EON,UBL,NND,R=F,PA=15		
PGC	12397	Per		Galaxy Sc?	
	18"	7mm TV	VF,VS,EON,UB,NND,R=F,PA=15		
PGC	12430	Per		Galaxy	
	18"	7mm TV	VF,VS,R,UB,NND,AV1,R=F		
PGC	22533	Lyn		Galaxy S0/a	
	18"	7mm TV	PF,VS,EON,UB,NND,R=F,PA=50		
PGC	22890	Lyn		Galaxy Sab	
	18"	7mm TV	VF,VS,EON,UB,NND,R=F,PA=40		
PGC	22891	Lyn		Galaxy E/S0	
	18"	7mm TV	VF,VS,R,UB,NND,R=F		

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PGC 22906 **Lyn** **Galaxy E**
 18" 7mm TV VF,VS,OVAL,UB,AV1,R=F

PGC 22914 **Lyn** **Galaxy S?**
 18" 7mm TV VF,VS,R,UB,NND,AV,R=F

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NGC 366 **Cas** **Open Cluster 10.0 II 3 m** **CL,S**
 8" 11mmT6 SMALL,FAINT,STARS=6+,R=P

NGC 433 **Cas** **Open Cluster 9.0 III 2 p** **CL,S,LC**
 8" 11mmT6 VS,VF,R=P

NGC 657 **Cas** **Open Cluster 7.1** **CL,PRI,ST12**
 8" 11mmT6 VS,VF,R=P

NGC 743 **Cas** **Open Cluster 10.0 IV 1 p** **CL,NOTRI,D***
 8" 11mmT6 PF,L,LOOSER GROUP,R=F

NGC 886 **Cas** **Open Cluster 11.0 IV 2 p** **CL,L,LC,SC,ST9...13**
 8" 11mmT6 F,L,R=F, LAST NGC/IC IN CASSIOPEIA

NGC 6205 **Her** **M13** **Globular** **GCL,EB,VRI,VGECM,*11**
 8" 11mmT6 VERY NICE - EVEN IN 8"

NGC 6229 **Her** **H50-4** **Globular** **GCL,VB,L,R,DISC,R**
 8" 11mmT6 PF,PS,R=F, THIS WAS THE FAINTEST OF THE FOUR FOR THE NIGHT.

NGC 6341 **Her** **M92** **Globular** **GCL,VB,VL,ECM,ST S**
 8" 11mmT6 STILL NICE.

NGC 6779 **Lyr** **M56** **Globular** **GCL,B,L,IR,GVMCM,RRR**
 8" 11mmT6 STILL NICE. LIKE THOSE GLOBS.

NGC 7619 **Peg** **H439-2** **Galaxy E** **CB,PS,R,PSBM**
 18" 7mm TV F,PS,OVAL,FNUC,HSB,R=G

NGC 7708 **Cep** **H62-8** **Open Cluster 7.3 asterism?** **CL,L,P,LC,*8,10...15**
 8" 11mmT6 LARGE AND LOOSE,R=F

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IC	63	Cas		Nebula E+R	
	8"	11mmT6	PF,PS,Y-SHAPED,R=F		
NGC	110	Cas		Open Cluster 9.7 IV 1 p cl	CL,PR,LC,*9...12
	8"	11mmT6	LARGE, LOOSE, GROUP,R=P		
NGC	129	Cas	H79-8	Open Cluster 11.0 III 2 m	CL,VL,PR,LC,*9...13
	8"	11mmT6	B,L,R=G		
NGC	221	And	M32	Galaxy cE2	VVB,L,R,PSMBMN
	8"	11mmT6	PB,LOOKED PRETTY GOOD		
NGC	224	And	M31	Galaxy SA(s)b	EEB,EL,VME,ANDROMEDA 17
	8"	25mmPL	ALWAYS GREAT		
NGC	225	Cas	H78-8	Open Cluster 9.3 III 1 p n	CL,L,LC,*9...10
	8"	11mmT6	PF,PS,STARS=22-30,R=G		
NGC	436	Cas	H45-7	Open Cluster 10.0 I 2 m	CL,S,IF,PC
	8"	11mmT6	PF,PS,STARS=12-15,R=F		
NGC	457	Cas	H42-7	Open Cluster 8.6 II 3 r	CL,B,L,PRI,*7,8,10
	8"	11mmT6	F,S,STARS=50-60,R=G		
NGC	559	Cas	H48-7	Open Cluster 9.0 I 1 m	CL,B,PL,PRI
	8"	11mmT6	B,S,V-SHAPE W/V-TOWARDSNE,SOME NEBULOSITY NOTED,R=G		
NGC	581	Cas	M103	Open Cluster 9.0 II 2 m	CL,PL,B,R,RI,*10..11
	8"	11mmT6	B,S,R=G		
NGC	598	Tri	M33 H17-5	Galaxy SA(s)cd	EB,EL,R,VGBMN 6
	8"	25mmPL	LARGE AND FAINT AS ALWAYS		
NGC	637	Cas	H49-7	Open Cluster 8.0 I 2 m	CL,PS,B\$VF ST
	8"	11mmT6	B,S,Y-SHAPED STARS=10-12,SOME NEBULOSITY NOTED,R=G		
NGC	654	Cas	H46-7	Open Cluster 10.0 II 2 r	CL,IF,RI,1*6.7,
	8"	11mmT6	F,S,LOOSE,STARS=15-20,R=F		
NGC	659	Cas	H65-8	Open Cluster 10.0 I 2 m	CL,LRI,ST B
	8"	11mmT6	PF,PS,STARS=10-12,R=F		
NGC	663	Cas	H31-6	Open Cluster 9.0 II 3 r	CL,B,L,ERI,ST PL
	8"	11mmT6	B,L,LOOSE,STGARS=40-60,R=G		
NGC	869	Per	H33-6	Open Cluster 6.6 I 3 r	CL,VVL,VRI,*7...14
	8"	25mmPL	NICE BUT NOT AS NICE AS WRO		
NGC	884	Per	H34-6	Open Cluster 6.4 I 3 r	CL,VL,VRI,RUBY*M
	8"	25mmPL	NICE BUT NOT AS NICE AS WRO		
NGC	6503	Dra		Galaxy SA(s)cd	PF,L,ME,*9F4'
	8"	5mm TV	PF,PS,OVAL,MEXT,UB,NND,R=F		
NGC	6543	Dra	H37-4	Planetary Neb 3a+2	PLN,VB,PS,SBMVSN
	8"	5mm TV	B,PS,OVAL IN SHAPE,R=F		

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NGC 6720 8"	Lyr 25mmPL	M57 ANOTHER SURPRISE AT HOME, ROUND AND DISTINCT	Planetary Neb 4+3	RINGNEB,B,PL,CE,LYRA
NGC 6838 8"	Sge 11mmT6	M71 F,S,R=G, ANOTHER SURPRISE UNDER THE STREETLIGHTS	Globular	CL,VL,VRI,PMC,*11.16
NGC 6853 8"	Vul 11mmT6	M27 B,L,R=G,SURPRISE UNDER THE STREETLIGHTS	Planetary Neb 3+2	VB,VL,BIN,IE,DUMBBEL
NGC 7331 8"	Peg 11mmT6	H53-1 SMALL SPINDLE, NOT ENOUGH APERATURE OR DARK ENOUGH SKIES.	Galaxy SA(s)b	B,PL,PME163,SMBM

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IC	334	Cam	Galaxy S?	
	18"	7mm TV F,S,OVAL,BNUC,R=G		
IC	342	Cam	Galaxy SAB(rs)cd	
	18"	7mm TV DIFF,F,L,R,UB,NND,R=G		
IC	356	Cam	Galaxy SA(s)ab pec	
	18"	7mm TV F,L,OVAL,BNUC,R=G, SPIRAL ARM NORTH		
IC	361	Cam	Open Cluster 14.0 II 2 r	F,L (NEB CL?)
	18"	7mm TV R=F		
IC	381	Cam	Galaxy SAB(rs)bc	
	18"	7mm TV PF,PS,OVAL,PEXT,UB,NND,R=F,PA=90		
IC	391	Cam	Galaxy SA(s)c	
	18"	7mm TV PF,PS,R,FNUC,R=F		
IC	396	Cam	Galaxy S?	
	18"	7mm TV PF,PS,OVAL,FNUC,R=F		
IC	440	Cam	Galaxy SA(r)ab	
	18"	7mm TV PF,PS,OVAL,UB,NND,R=F,PA=120		
IC	442	Cam	Galaxy S?	
	18"	7mm TV PF,PS,R,FNUC,R=F		
IC	445	Cam	Galaxy S0?	
	18"	7mm TV PF,PS,OVAL,UB,NND,R=F		
IC	449	Cam	Galaxy E:	
	18"	7mm TV PF,PS,OVAL,MEXT,NND,R=F,BRIGHTER TO NE.		
IC	450	Cam	Galaxy SAB0+:	
	18"	7mm TV VF,VS,OVAL,UB,NND,AV2,R=P		
IC	1534	And	Galaxy S0	
	18"	7mm TV VF,VS,EON,UB,NND,R=F,PA=160		
IC	1535	And	Galaxy S	
	18"	7mm TV VF,VS,EON,UB,NND,R=F,PA=45		
IC	1536	And	Galaxy E/S0	
	18"	7mm TV PF,VS,OVAL,UB,NND,R=F,15.4 MAG.		
IC	2209	Cam	Galaxy SB(rs)b:	
	18"	7mm TV VF,VS,R,UB,NND,AV,R=F		
IC	5370	And	Galaxy S0/a	
	18"	7mm TV VF,PS,R,UB,NND,AV2,R=F		
IC	5371	And	Galaxy S	
	18"	7mm TV PF,PS,R,FNUC,R=F		
IC	5373	And	Galaxy Sb	
	18"	7mm TV PF,PS,OVAL,FNUC,R=F		

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IC	5376	And	Galaxy Sab	
	18"	7mm TV	PF,PS,EON,UB,NND,R=F,REAL THIN	
NGC	5	And	Galaxy E:	VF,VS,N=*13,14
	18"	7mm TV	PF,PS,OVAL,FNUC,R=F,PA=10	
NGC	11	And	Galaxy Sa	VF,VS,VLE,2VF*INV
	18"	7mm TV	PF,PS,EON,UB,NND,R=F	
NGC	27	And	Galaxy S?	EF,VS,E,B*NR
	18"	7mm TV	VF,PS,OVAL,MEXT,UB,NND,R=F	
NGC	39	And	H861-3 Galaxy SA(rs)c	VF,PS,R
	18"	7mm TV	VF,PS,R,UB,NND,AV,R=P	
NGC	48	And	Galaxy SABbc pec:	EEF,PL,R,V DIFFIC
	18"	7mm TV	PF,PS,R,UB,NND,R=F	
NGC	49	And	Galaxy S0?	EEF,S,R,2ND OF3
	18"	7mm TV	VF,PS,OVAL,UB.,NND.R=F	
NGC	51	And	Galaxy S0^ pec:	PF,PS,R,BM
	18"	7mm TV	PF,PS,R,UB,NND,R=F	
NGC	67	And	Galaxy E:	EF,VS,R
	18"	7mm TV	VF,VS,R,UB,NND,R=F	
NGC	68	And	H16-5 Galaxy SA0-	EF,L,3OR4*+NEB
	18"	7mm TV	VF,VS,R,UB,NND,AV2,R=P	
NGC	69	And	Galaxy SB(s)0-	EF,VS,R,
	18"	7mm TV	VF,VS,R,UB,NND,R=F	
NGC	70	And	Galaxy SA(rs)c	EF,VS,R,BET2F*
	18"	7mm TV	VF,S,OVAL,UB,NND,R=F	
NGC	71	And	Galaxy SA0- pec:	EF,VS,R
	18"	7mm TV	VF,PS,OVAL,UB,NND,R=F	
NGC	72	And	Galaxy SB(rs)ab	EF,VS,R
	18"	7mm TV	PF,PS,R,UB,NND,R=P	
NGC	72A	And	Galaxy E3:	
	18"	7mm TV	VF,VS,R,UB,NND,R=F	
NGC	74	And	Galaxy Sb	EF,S,E,LAST OF 6
	18"	7mm TV	VF,VS,OVAL,MEXT,UB,AV1,R=F	
NGC	451	Psc	Galaxy S?	VF,VS,R,VLBM
	18"	7mm TV	PF,PS,OVAL,UB,NND,R=F	
NGC	869	Per	H33-6 Open Cluster 6.6 I 3 r	CL,VVL,VRI,*7...14
	18"	35mm A	DOUBLE CLUSTER W/35MM A.T. 68 DEGREE AND PARACORR	
NGC	884	Per	H34-6 Open Cluster 6.4 I 3 r	CL,VL,VRI,RUBY*M
	18"	35mm A	DOUBLE CLUSTER W/35MM A.T. 68 DEGREE AND PARACORR	

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NGC	891	And	H19-5	Galaxy SA(s)b? sp	B,VL,VME22
	18"	17mm T4		DARK DUST LANE BISECTING GALAXY. JOHN'S 20" OBSESSION	
NGC	1469	Cam		Galaxy SA0-:	VF,VS,R,B*NR
	18"	7mm TV		PF,PS,OVAL,VEXT,FNUC,R=F,PA=45	
NGC	1485	Cam		Galaxy SAb? sp	EF,PS,R
	18"	7mm TV		PF,PS,OVAL,EEXT,UB,NND,R=F,PA=160	
NGC	1530	Cam		Galaxy SB(rs)b	PB,L
	18"	7mm TV		PF,S,OVAL,FNUC,R=F	
NGC	1560	Cam		Galaxy SA(s)d sp	VF,L,E,*9.3SP
	18"	7mm TV		DIFF,VF,S,EON,UB,NND,AV,R=F,PA=120	
NGC	1569	Cam	H768-2	Galaxy IBm	PB,S,LE,BNM,*9.5N1'
	18"	7mm TV		PF,PS,OVAL,PEXT,FNUC,R=G,DISTURBED NE CORNER,PA=45	
NGC	1573	Cam		Galaxy E	VF,S,*9.5F
	18"	7mm TV		PF,PS,OVAL,MEXT,UB,NND,R=F	
NGC	1579	Per	H217-1	Nebula R	PB,VL,IR,MBM,*8 2'NF
	18"	7mm TV		PF,S,NICE NEBULA,OIII NO HELP.R=G, FOUND LOOING FOR PAL2	
NGC	2128	Cam		Galaxy S0-:	VF,VS,VLE
	18"	7mm TV		PF,PS,OVAL,FNUC,R=F	
NGC	2146	Cam		Galaxy SB(s)ab pec	PB,2'L,LE
	18"	7mm TV		PF,S,OVAL,FNUC,R=G, SPIRAL, NORTH/SOUTH ARMS	
NGC	2146A	Cam		Galaxy SAB(s)c:	
	18"	7mm TV		PF,PS,OVAL,MEXT,UB,NND,R=F,PA=120	
NGC	2256	Cam		Galaxy SAB0-?	F,R,*9.5 3'SF
	18"	7mm TV		DIFF,PF,PS,R,UB,NND,R=F	
NGC	2258	Cam		Galaxy SA(r)0^	F,2*10,11F
	18"	7mm TV		PF,PS,OVAL,FNUC,R=F	
NGC	2268	Cam		Galaxy SAB(r)bc	PF,PL,LE
	18"	7mm TV		PF,PS,OVAL,MEXT,FNUC,R=G, MOTTLED	
NGC	2336	Cam		Galaxy SAB(r)bc	PB,PL,R,2*11NR
	18"	7mm TV		F,S,OVAL,MEXT,UB,NND,R=F	
NGC	2460	Cam		Galaxy SA(s)a	F,S,R,S*CENTRE
	18"	7mm TV		PF,PS,OVAL,UB,NND,R=F	
NGC	2523C	Cam		Galaxy E?	
	18"	7mm TV		PF,VS,OVAL,UB,NND,R=F	
NGC	2523B	Cam		Galaxy SA(s)b: sp	
	18"	7mm TV		PF,PS,EON,UB,NND,R=F,PA=185	
NGC	2523	Cam		Galaxy SB(r)bc	PB,PL,LE,LBM,*NR
	18"	7mm TV		DIFF,PF,S,OVAL,UB,NND,R=F	

Observations Listing by Date

October 12, 2012 Hidden Hollow - RAS

NGC 2523A 18"	Cam 7mm TV	Galaxy SB(s)c: VS,VS,OVAL,UB,NND,AV3,R=P	
NGC 2544 18"	Cam 7mm TV	Galaxy SB(s)a: PF,PS,OVAL,UB,NND,R=F	EEF,PS,R,SEVB*AROUND
NGC 6888 18"	Cyg 17mmT4	H72-4 Nebula E FINE OBJECT IN JOHN'S 20" OBSESSION, OIII FILTER	F,VL,VME,**ATT
NGC 6888 36"	Cyg 17mmT4	H72-4 Nebula E FINE NEBULA IN CYGNUS, OUTSTANDING OBJECT, OIII FILTER	F,VL,VME,**ATT
NGC 7317 36"	Peg 17mmT4	Galaxy E4 DIRECT VISION WITH BRIGHT CORE - 1ST VIEW W/36"	VF,VS
NGC 7318B 36"	Peg 17mmT4	Galaxy SB(s)bc pec DIRECT VISION WITH BRIGHT CORE - 1ST VIEW W/36"	EF,ES
NGC 7318A 36"	Peg 17mmT4	Galaxy E2 pec DIRECT VISION WITH BRIGHT CORE - 1ST VIEW W/36"	EF,ES
NGC 7319 36"	Peg 17mmT4	Galaxy SB(s)bc pec DIRECT VISION WITH BRIGHT CORE - 1ST VIEW W/36"	EF,ES
NGC 7320 36"	Peg 17mmT4	Galaxy SA(s)d DIRECT VISION WITH BRIGHT CORE - 1ST VIEW W/36"	F,VS
PGC 731 18"	And 7mm TV	Galaxy Scd: VF,VS,EON,UB,NND,AV2,R=P	
PGC 1183 18"	And 7mm TV	Galaxy VF,VS,OVAL,UB,NND,AV2,R=P	
PGC 15548 18"	Cam 7mm TV	Galaxy S0-: VF,VS,OVAL,MEXT,UB,NND,R=F	
PGC 19566 18"	Cam 7mm TV	Galaxy S VF,PS,R,UB,NND,AV3,R=P	

Observations Listing by Date

October 10, 2012 Hidden Hollow - RAS

IC	240	And	Non-Existent	
	18"	8.8 ES	NON-EXISTENT	
IC	257	Per	Galaxy S0-:	
	18"	8.8 ES	PF,S,OVAL,UB,NND,R=G	
IC	284	Per	Galaxy SAdm	
	18"	8.8 ES	PF,S,OVAL,MEXT,UB,NND,AV,R=F	
IC	301	Per	Galaxy E	
	18"	8.8 ES	DIFF,PF,PS,R,UB,NND,R=F	
IC	1799	And	Galaxy S?	
	18"	8.8 ES	F,PS,OVAL,PEXT,BNUC,R=G	
NGC	845	And	H604-3 Galaxy Sb	VF,IF,STELLAR
	18"	8.8 ES	F,S,EON,UB,ND,R=F	
NGC	909	And	Galaxy E	VF,VS,VS*INV
	18"	8.8 ES	F,S,R,FNUC,R=G	
NGC	912	And	Galaxy E	F,VS,R,BM
	18"	8.8 ES	PR,PS,R,UB,NND,R=F	
NGC	920	And	Galaxy (R')SB(s)ab	EF,ES,R,1OR2EF* NR
	18"	8.8 ES	DIFF,PF,S,OVAL,MEXT,UB,NND,R=F	
NGC	923	And	Galaxy Sb:	VF,S,R,GSBM
	18"	8.8 ES	PF,PS,R,UB,NND,R=F	
NGC	933	And	Galaxy S?	EF,ES,R,B*NF
	18"	8.8 ES	PF,PS,OVAL,UB,FNUC,R=G	
NGC	937	And	Galaxy SBcd?	VF*SLIGHTLYNEBULOUS
	18"	8.8 ES	PF,PS,OVAL,MEXT,FNUC,R=G	
NGC	946	And	Galaxy S0:	F,S,R,GLBM
	18"	8.8 ES	F,PS,OVAL,FNUC,R=F	
NGC	995	And	Galaxy S0	VF,VS
	18"	8.8 ES	F,S,OVAL,UB,NND,R=F	
NGC	996	And	Galaxy E	VF,VS
	18"	8.8 ES	F,S,R,FNUC,R=F	
NGC	999	And	Galaxy (R')SAB(s)a	EF
	18"	8.8 ES	PF,S,OVAL,UB,ND,AV1,R=F	
NGC	1000	And	Galaxy C	VVF,PS,DIF
	18"	8.8 ES	PF,PS,R,UB,NND,R=F,15.3 MAG, DIRECT VISION	
NGC	1282	Per	Galaxy E:	VF,S,LBMN
	18"	8.8 ES	F,PS,OVAL,UB,NND,R=F	
NGC	1283	Per	Galaxy E1:	VF,S,VLBM
	18"	8.8 ES	F,VS,OVAL,UB,NND,R=F	

Observations Listing by Date

October 10, 2012 Hidden Hollow - RAS

NGC	1465	Per	Galaxy S0/a	PF,PS,R,PB*NR P
	18"	8.8 ES	PF,PS,EON,UB,NND,R=F	
NGC	7317	Peg	Galaxy E4	VF,VS
	36"	17mmT4	STEPHEN'S QUINTET - GALAXY 1. BRIGHT NUCLEUS	
PGC	9983	And	Galaxy Sab	
	18"	8.8 ES	F,S,EON,UB,NND,R=F,14.7 MAG, DIRECT VISION	
PGC	10047	Per	Galaxy Sc	
	18"	8.8 ES	VF,PS,OVAL,UB,AV2,R=P	

Observations Listing by Date

September 14, 2012 Hidden Hollow - RAS

IC	5180	Lac	Galaxy E:	
	18"	7mm TV	VF,PS,UB,NND,AV1,R=F	
MAC	2207+1014	Peg	Galaxy	
	36"	17mmT4	VF,VS,OVAL,MEXT,UB,NND,R=F	
NGC	7212	Peg	Galaxy S?	EF,VS,LE
	36"	17mmT4	PF,PS,OVAL,FNUC,R=F	
NGC	7217	Peg	H207-2 Galaxy (R)SA(r)ab	B,PL,GBM,ER
	36"	17mmT4	B,S,R,BNUC,R=G, SPIRAL STRUCTURE NOTED	
NGC	7224	Peg	Galaxy E	F,S,R
	36"	17mmT4	F,PS,OVAL,UB,NND,R=F	
NGC	7227	Lac	Galaxy S0	VF,VS,R,LBM,NP OF 2
	18"	7mm TV	VF,VS,OVAL,PEXT,UB,NND,R=F	
NGC	7265	Lac	Galaxy S0-	F,VS,R,MBM
	18"	7mm TV	PF,PS,OVAL,FNUC,R=F	
NGC	7303	Peg	Galaxy Sbc	VF,S,R,GVLBM
	36"	17mmT4	F,PS,OVAL,MEXT,BNUC,R=G,SPIRAL STRUCTURE SEEN TOWARDS NOTHERN PART.	
NGC	7315	Peg	Galaxy S0	VF,ES,R,BM
	36"	17mmT4	PF,PS,R,UB,NND,R=F	
NGC	7316	Peg	H180-3 Galaxy S	F,S,R,*8SP
	36"	17mmT4	F,PS,OVAL,EXT,FNUC,R=G,FAINT STAR AT SW CORNER.	
NGC	7323	Peg	Galaxy Sb	PF,PL,IR
	36"	17mmT4	PF,PS,OVAL,UB,NND,MSB,R=G	
NGC	7324	Peg	Galaxy E	VF,VS,NEB*
	36"	17mmT4	PF,VS,OVAL,PEXT,FNUC,R=G	
NGC	7330	Lac	Galaxy E	PB,S,LE,BM
	18"	7mm TV	PF,PS,R,UB,NND,R=F	
NGC	7332	Peg	H233-2 Galaxy S0 pec sp	CB,S,ME156,SMBMN,P-2
	36"	17mmT4	F,S,EON,BNUC,HSB,R=E, VERY NEAR NGC-7339	
NGC	7339	Peg	H234-2 Galaxy SAB(s)bc:?	F,PS,ME89,VGLBM,FOF2
	36"	17mmT4	F,S,EON,UB,HSB,R=G, VERY NEAR, NGC-7332	
PAL	1	Cep	Globular	
	18"	7mm TV	VF,PS,R=F,FAINT SMUDGE OF A GLOBULAR	
PGC	69245	Peg	Galaxy	
	36"	17mmT4	VF,VS,R,UB,NND,AV3,R=F,ABUTS NGC-7315	

Observations Listing by Date

August 24, 2012 Hidden Hollow - RAS

IC	4776	Sgr	Planetary Neb 2a	
	18"	8.8 ES	PF,PS, R=F, OIII FILTER,	
IC	5369	And	Galaxy	
	18"	5mm TV	VF,VS,OVAL,MEXT,UB,NND,R=F	
IC	5370	And	Galaxy S0/a	
	18"	5mm TV	PF,VS,R,UB,NND,R=F	
IC	5371	And	Galaxy S	
	18"	5mm TV	VF,VS,R,UB,NND,R=F	
NGC	3	Psc	Galaxy S0?	F,VS,R,ALMSTEL
	18"	5mm TV	VF,VS,OVAL,MEXT,UB,NND,R=F	
NGC	13	And	H866-3 Galaxy (R)Sab:	VF,VS,S ST+NEB
	18"	5mm TV	VF,PS,OVAL,VEXT,UB,NND,R=F	
NGC	20	And	Galaxy S0-:	F,*10ATT
	18"	5mm TV	VF,PS,OVAL,UB,NND,AV2,R=P	
NGC	68	And	H16-5 Galaxy SA0-	EF,L,3OR4*+NEB
	18"	5mm TV	VF,PS,R,UB,NND,R=F	
NGC	70	And	Galaxy SA(rs)c	EF,VS,R,BET2F*
	18"	5mm TV	VF,PS,OVAL,UB,NND,AV,R=F	
NGC	71	And	Galaxy SA0- pec:	EF,VS,R
	18"	5mm TV	PF,PS,OVAL,UB,NND,R=F	
NGC	97	And	Galaxy E:	F,VS,R,GBM
	18"	5mm TV	PF,PS,R,UB,NND,R=F	
NGC	140	And	Galaxy Scd:	VF,S,R,GBM
	18"	5mm TV	VF,PS,R,UB,NND,AV3,R=P	
NGC	149	And	Galaxy S0:	VF,VS,R,GBM*14,*12SP
	18"	5mm TV	VF,VS,OVAL,UB,NND,AV3,R=P	
NGC	226	And	Galaxy S?	EF,S,R,*13S20"
	18"	5mm TV	PF,VS,OVAL,UB,NND,R=F	
NGC	228	And	Galaxy (R)SB(r)ab	EF,S,R,FAINTER OF 2
	18"	5mm TV	PF,PS,OVAL,EEXT,FNUC,R=F	
NGC	229	And	Galaxy Sab	VF,S,R,SMALLER OF 2
	18"	5mm TV	DIFF,VF,PS,R,UB,NND,R=F	
NGC	243	And	Galaxy S0?	F,VS,R,GBM,*10P
	18"	5mm TV	PF,VS,OVAL,UB,NND,R=F	
NGC	252	And	H609-2 Galaxy (R)SA(r)0+:	PB,S,R,PMBM,R,**P
	18"	5mm TV	PF,PS,OVAL,FNUC,R=F	
NGC	258	And	Galaxy Sb	EF,S,VF*CLOSE
	18"	5mm TV	PF,VS,OVAL,UB,NND,R=F	

Observations Listing by Date

August 24, 2012 Hidden Hollow - RAS

NGC 260 18"	And 5mm TV	Galaxy Scd pec: VF,VS,R,NND,AV2,R=P	EF,PS,LE
NGC 6621 18"	Dra 7mm TV	Galaxy Sb: pec VF,VS,EON,UB,NND,AV1,R=F	PF,PS,R,LBM,S OF 2
NGC 7197 18"	Lac 5mm TV	H599-2 Galaxy Sa PF,VS,OVAL,MEXT,UB,NND,R=F	F,CS,CE,VGLBM,ER
NGC 7223 18"	Lac 5mm TV	H862-3 Galaxy SB(rs)bc DIFF,VF,PS,OVAL,UB,AV2,R=F	EF,PS,LE,R,AM3ST
NGC 7231 18"	Lac 5mm TV	H606-2 Galaxy SBa PF,VS,EON,UB,NND,R=F	EF,S,ER
NGC 7248 18"	Lac 5mm TV	H863-3 Galaxy SA0-: PF,VS,OVAL,FNUC,R=F,	VF,VS,MBM
NGC 7250 18"	Lac 5mm TV	H864-3 Galaxy Sdm? VF,VS,OVAL,MEXT,UB,NND,AV2,R=F, STAR AT NE TIP	VF,S,ME165
NGC 7426 18"	Lac 5mm TV	H576-3 Galaxy E VF,PS,R,UB,NND,AV3,R=P	VF,CS,R,STELLAR,D*P
NGC 7433 18"	Peg 5mm TV	Galaxy S0/a PF,VS,EON,FNUC,R=F	EF,VS,P 7436
NGC 7435 18"	Peg 5mm TV	Galaxy SB(s)a PF,VS,EON,UB,NND,R=F	EF,S OF 7436
NGC 7436 18"	Peg 5mm TV	H243-3 Galaxy E DIFF,PF,PS,R,UB,NND,R=F	F,PS,F*ATT P,GBM
NGC 7662 18"	And 5mm TV	H18-4 Planetary Neb 4+3 ROUND AND BRIGHT, OIII, BLUE SNOWBALL, R=E!	PLN ORRING,VB,PS,R
NGC 7671 18"	Peg 5mm TV	H226-3 Galaxy SA0: PF,VS,OVAL,MEXT,FNUC,R=F	PB,S,R,VSMBM,*9P
NGC 7691 18"	Peg 5mm TV	H213-3 Galaxy SAB(rs)bc PF,PS,OVAL,UB,NND,R=F	EF,PL,TRI W/2*10
NGC 7831 18"	And 5mm TV	Galaxy Sb: sp PF,PS,OVAL,VEXT,UB,NND,R=F	EF,VS,ME,VF*VNR
NGC 7836 18"	And 5mm TV	Galaxy I? PF,PS,OVAL,UB,NND,R=F	EF,VS,R,BET2*
PGC 11281 18"	Per 5mm TV	Galaxy VF,PS,EON,NND,AV2,R=F, AKA/UGC-11281	
PGC 62043 18"	Lyr 5mm TV	Galaxy S0 VF,VS,OVAL,EEXT,UB,NND,R=F, AKA/UGC-11278	
PGC 68079 18"	Lac 5mm TV	Galaxy SBd: VF,VS,OVAL,UB,NND,AV,R=F	

Observations Listing by Date

August 24, 2012 Hidden Hollow - RAS

PGC	68110	Lac	Galaxy SABbc
	18"	5mm TV	VF,PS,OVAL,MEXT,UB,NND,R=F
PGC	68171	Lac	Galaxy Sb
	18"	5mm TV	VF,VS,R,UB,NND,R=F
PGC	68482	Lac	Galaxy SAB(s)bc
	18"	5mm TV	PF,PS,EON,NND,AV1,R=P,12 MAG STAR EAST EDGE
PGC	71368	And	Galaxy Sdm
	18"	5mm TV	VF,PS,R,UB,NND,AV2,R=F

August 17, 2012 Hidden Hollow - RAS

NGC	7194	Peg	Galaxy E	VF,VS,R,LBM
	18"	7mm TV	F,S,OVAL,UB,NND,R=F	
NGC	7335	Peg	H166-3 Galaxy SA(rs)0+	VF,VS
	18"	7mm TV	F,PS,OVA,PRETTY EXTENDED,NND,R=F	
NGC	7337	Peg	Galaxy SB(rs)b	EF,S,STELLAR
	18"	7mm TV	VF,VS,OVAL,MEXT,NND,AV1,R=F	
NGC	7340	Peg	Galaxy E?	VF,VS
	18"	7mm TV	F,S,OVAL,MODERATELY EXTENDED,UB,NND,R=F	
NGC	7353	Peg	Galaxy Sbc	EF
	18"	7mm TV	F,EON,UB,NND,AV2,R=G	

June 22, 2012 Hidden Hollow - RAS

IC	694	UMa	Galaxy SBm? pec	
	18"	8.8 ES	PF,PS,R,UB,NND,R=F,PAIRED W/NGC-3690	
NGC	3690	UMa	H247-1 Galaxy IBm pec	PB,PS,VLE80,PGBM
	18"	8.8 ES	PF,PS,OVAL,UB,NND,R=F,PAIRED W/IC-694	
NGC	3738	UMa	H783-2 Galaxy Im	PB,PL,BM
	18"	8.8 ES	B,PS,OVAL,MEXT,UB,NND,R=F	
PGC	54559	Ser	Galaxy	
	18"	8.8 ES	VF,VS,R,,NND,AV-4,R=P, HOAG'S OBJECT, NO RING OBSERVED	

Observations Listing by Date

May 23, 2012

Hidden Hollow - RAS

IC	1042	Vir	Galaxy S0?	
	18"	8.8 ES	PF,PS,R,UB,NND,R=F	
NGC	2908	Dra	H977-3 Galaxy S	EF,VS
	18"	8.8 ES	CF,CS,R,UB,NND,AV1,R=F	
NGC	2938	Dra	H963-3 Galaxy SB(rs)cd	EF,S,IF,D*F3'
	18"	8.8 ES	VF,CS,OVAL,MEXT,UB,NNE,AV2,R=F	
NGC	3587	UMa	M97 Planetary Neb 3a	PLN,VB,VL,R,VVG,VSBM
	18"	17mmAT	EYE CANDY	
NGC	3718	UMa	H221-1 Galaxy SB(s)a pec	PB,VL,R,VGLBM
	18"	8.8 ES	F,S,OVAL,MEXT,UB,NND,R=F	
NGC	5221	Vir	H86-3 Galaxy Sb:	VF,S,VLE,1ST OF 3
	18"	8.8 ES	PF,PS,EON,FNUC,MSB,R=F,PA=120	
NGC	5222	Vir	H85-3 Galaxy E	CF,S,R,BM,2ND OF 3
	18"	8.8 ES	VF,CS,OVAL,MEXT,UB,,NND,AV2,R=F,PA=50	
NGC	5230	Vir	H87-3 Galaxy SA(s)c	F,L,E,VGBM,3RD OF 3
	18"	8.8 ES	PF,PS,R,UB,NND,R=F	
NGC	5257	Vir	H895-2 Galaxy SAB(s)b pec	VF,S,R,BM,P OF DNEB
	18"	8.8 ES	PF,CS,OVAL,MEXT,FNUC,R=G,PA=135, PAIRED WITH NGC-5258, NO INTERATION VISIBLE	
NGC	5258	Vir	H896-2 Galaxy SA(s)b: pec	F,S,IR,F OF DNEB
	18"	8.8 ES	PF,PS,OVAL,MEXT,FNUC,R=G,PA=45, PAIRED W/NGC-5257, NO INTERATION VISIBLE	
NGC	5426	Vir	H309-2 Galaxy SA(s)c pec	PF,CL,R,GMBM,SP OF 2
	18"	8.8 ES	PB,PS,OVAL,FNUC,MSB,R=G,PA=5, PAIRED WITH NGC-5427	
NGC	5427	Vir	H310-2 Galaxy SA(s)c pec	PF,CL,R,NF OF 2
	18"	8.8 ES	PF,PL,OVAL,MEXT,FNUC,R=G, PA=90, PAIRED WITH NGC-5426	
NGC	5560	Vir	H579-2 Galaxy SB(s)b pec	PF,CL,E,GBM
	18"	8.8 ES	PB,PS,EON,FNUC,HSB,R=F,PA=150	
NGC	5566	Vir	H144-1 Galaxy SB(r)ab	B,PL,R,PSBM,R,*F1.5'
	18"	8.8 ES	PB,PS,OVAL,PEXT,BNUC,R=G, PAIRED WITH NGC-5569	
NGC	5569	Vir	Galaxy SAB(rs)cd:	EF,PL,R
	18"	8.8 ES	PF,PS,OVAL,MEXT,UB,NND,AV1,R=F, PAIRED WITH NGC-5566	
NGC	5679A	Vir	Galaxy Sc	
	18"	8.8 ES	PF,PS,OVAL,MEXT,UB,NND,R=F, PA=45	
NGC	5679B	Vir	Non-Existent	
	18"	8.8 ES	PF,PS,OVAL,MEXT,UB,NND,R=F, PA=145	
NGC	5718	Vir	H550-3 Galaxy S0-:	VF,S,R,VGLBM,*8,9NF
	18"	8.8 ES	CF,PS,OVAL,MEXT,UB,NND,AV2,R=F	
NGC	5777	Dra	H806-3 Galaxy Sb	VF,VS,LE
	18"	11mmT6	PF,PS,EON,UB,NND,R=F, PA=100	

Observations Listing by Date

May 23, 2012

Hidden Hollow - RAS

NGC 6218 18"	Oph 17mmAT	M12 GLOBULAR CLUSTER	Globular EYE CANDY	GCL,VB,VL,IR,GMBM
NGC 6254 18"	Oph 17mmAT	M10 GLOBULAR CLUSTER	Globular EYE CANDY	GCL,B,VL,R,GVMBM,RRR
NGC 6720 18"	Lyr 17mmAT	M57 EYE CANDY	Planetary Neb 4+3	RINGNEB,B,PL,CE,LYRA
PGC 58960 18"	Dra 8.8 ES		Galaxy Sb CF,CS,EON,UB,NND,AV2,R=F,PA=95	

April 18, 2012

Hidden Hollow - RAS

NGC 3773 18"	Leo 8.8 ES	H81-3 PF,PS,OVAL,UB,NND,R=F	Galaxy S0	CF,CS,R,PSBM
NGC 3810 18"	Leo 8.8 ES	H21-1 PF,S,OVAL,FNUC,R=G	Galaxy SA(rs)c	B,L,VLE
NGC 3872 18"	Leo 8.8 ES	H104-2 PF,PS,OVAL,FNUC,R=F	Galaxy E5	B,S,R,SMBM*
NGC 4874 18"	Com 8.8 ES	H389-2 PF,PS,R,UB,NND,R=F	Galaxy E+0	F,4869\$72 P
NGC 4889 18"	Com 8.8 ES	H391-2 PF,PS,R,MEXT,UB,NND,R=F	Non-Existent	PB,PME,BM,*7N
NGC 5718 18"	Vir 11mmT6	H550-3 PB,PS,EON,FNUC,HSB,R=G, PA=60	Galaxy S0-:	VF,S,R,VGLBM,*8,9NF
PGC 36759 18"	Leo 8.8 ES		Galaxy S? VF,VS,OVAL,NND,AV2,R=F	

Observations Listing by Date

March 16, 2012 Hidden Hollow - RAS

IC	4725 18"	Sgr	M25 17mmAT 2012 M.M.	Open Cluster 8.0 I 3 m	
M	45 18"	Tau	M45 17mmAT 2012 M.M.	Open Cluster	
NGC	205 18"	And	M110 H18-5 17mmAT 2012 M.M.	Galaxy E5 pec	VB,VL,ME165,VGVMBM
NGC	221 18"	And	M32 17mmAT 2012 M.M.	Galaxy cE2	VVB,L,R,PSMBMN
NGC	224 18"	And	M31 17mmAT 2012 M.M.	Galaxy SA(s)b	EEB,EL,VME,ANDROMEDA 17
NGC	581 18"	Cas	M103 17mmAT 2012 M.M.	Open Cluster 9.0 II 2 m	CL,PL,B,R,RI,*10..11
NGC	598 18"	Tri	M33 H17-5 17mmAT 2012 M.M.	Galaxy SA(s)cd	EB,EL,R,VGBMN 6
NGC	650 18"	Per	M76 H193-1 17mmAT 2012 M.M.	Planetary Neb 3+6	VB,P OF DNEB
NGC	1039 18"	Per	M34 17mmAT 2012 M.M.	Open Cluster 9.0 II 3 r	CL,B,VL,LC,SC ST9
NGC	1904 18"	Lep	M79 17mmAT 2012 M.M.	Globular	GCL,PL,ERI,EC,RRR
NGC	1912 18"	Aur	M38 17mmAT 2012 M.M.	Open Cluster 8.0 II 2 r	CL,B,VL,VRI,IF,STL\$\$
NGC	1952 18"	Tau	M1 17mmAT 2012 M.M.	Nebula E	VB,VL,E135,VGLBM,R
NGC	1960 18"	Aur	M36 17mmAT 2012 M.M.	Open Cluster 9.0 I 3 r	CL,B,VL,VRI,CL,*9.11
NGC	1976 18"	Ori	M42 17mmAT 2012 M.M.	Nebula EN+RN	THETAORI \$GREAT NEB
NGC	1982 18"	Ori	M43 H1-3 17mmAT 2012 M.M.	Nebula E	VB,VL,RW/TAIL,MBM*8
NGC	2068 18"	Ori	M78 17mmAT 2012 M.M.	Nebula R	B,L,WISP,GMBN,3*INV
NGC	2099 18"	Aur	M37 17mmAT 2012 M.M.	Open Cluster 11.0 I 2 r	CL,RI,PCM,ST L\$\$
NGC	2168 18"	Gem	M35 17mmAT 2012 M.M.	Open Cluster 8.0 III 3 r	CL,VL,CRI,PC,ST9..16
NGC	2287 18"	CMa	M41 17mmAT 2012 M.M.	Open Cluster 8.0 I 3 r	CL,VL,B,LC,ST 8...

Observations Listing by Date

March 16, 2012

Hidden Hollow - RAS

NGC	2323	Mon	M50	Open Cluster 9.0 II 3 r	CL,VL,RI,PC,E,
	18"	17mmAT	2012 M.M.		
NGC	2422	Pup	M47 H38-8	Open Cluster 5.0 I 3 m	CL,B,VL,PRI,ST L\$\$
	18"	17mmAT	2012 M.M.		
NGC	2437	Pup	M46	Open Cluster 10.0 II 2 r	CL,VB,VRI,VL,INV PLN
	18"	17mmAT	2012 M.M.		
NGC	2447	Pup	M93	Open Cluster 9.0 I 3 r	CL,L,PRI,LC,ST8...13
	18"	17mmAT	2012 M.M.		
NGC	2548	Hya	M48 H22-6	Open Cluster 8.0 I 3 r	CL,VL,PRI,PMC,*9..13
	18"	17mmAT	2012 M.M.		
NGC	2632	Cnc	M44	Open Cluster 6.0 II 3 m	PRAESEPE CANCRI
	18"	17mmAT	2012 M.M.		
NGC	2682	Cnc	M67	Open Cluster 9.0 II 3 r	CL,VB,VL,ERI,LC,*10.
	18"	17mmAT	2012 M.M.		
NGC	3031	UMa	M81	Galaxy SA(s)ab	EB,EL,E156,GSVMBMBN 2
	18"	17mmAT	2012 M.M.		
NGC	3034	UMa	M82 H79-4	Galaxy I0 sp	VB,VL,VME(RAY)
	18"	17mmAT	2012 M.M.		
NGC	3351	Leo	M95	Galaxy SB(r)b	B,L,R,PGMBMN
	18"	17mmAT	2012 M.M.		
NGC	3368	Leo	M96	Galaxy SAB(rs)ab	VB,VL,LE,VSVMBM,R
	18"	17mmAT	2012 M.M.		
NGC	3379	Leo	M105 H17-1	Galaxy E1	VB,CL,R,PSBM,R
	18"	17mmAT	2012 M.M.		
NGC	3556	UMa	M108 H46-5	Galaxy SB(s)cd sp	CB,VL,VME79,PBM,R
	18"	17mmAT	2012 M.M.		
NGC	3587	UMa	M97	Planetary Neb 3a	PLN,VB,VL,R,VVG,VSBM
	18"	17mmAT	2012 M.M.		
NGC	3623	Leo	M65	Galaxy SAB(rs)a	B,VL,ME165,GBMBN
	18"	17mmAT	2012 M.M.		
NGC	3627	Leo	M66	Galaxy SAB(s)b	B,VL,ME150,MBM,2*NP
	18"	17mmAT	2012 M.M.		
NGC	3992	UMa	M109 H61-4	Galaxy SB(rs)bc	CB,VL,PME,SBMBRN
	18"	17mmAT	2012 M.M.		
NGC	4157	UMa	H208-1	Galaxy SAB(s)b? sp	PF,CL,VME60,(DOUBLE)
	18"	8.8 ES	PFB,PS,EON,FNUC,R=F, A.L. FLAT GALAXY		
NGC	4173	Com	H372-2	Non-Existent	
	18"	8.8 ES	PB,CS,EON,BNUC,R=G, A.L. FLAT GALLAXY		

Observations Listing by Date

March 16, 2012

Hidden Hollow - RAS

NGC	4183	CVn	H697-3	Galaxy SA(s)cd? sp	VF,CL,ME170
	18"	8.8 ES	PF,S,EON,UB,NND,R=F,A.L.	FLAT GALAXY	
NGC	4192	Com	M98	Galaxy SAB(s)ab	B,VL,VME152,VSVMBM
	18"	17mmAT	2012 M.M.		
NGC	4222	Com	H109-2	Galaxy Sd: sp	VF,PS,R
	18"	8.8 ES	PF,CS,EON,UB,NND,R=F,A.L.	FLAT GALAXY	
NGC	4254	Com	M99	Galaxy SA(s)c	B,L,R,GBM,R,3BRSPIRA
	18"	17mmAT	2012 M.M.		
NGC	4258	CVn	M106 H43-5	Galaxy Sb	VB,VL,VME0,SBMBN
	18"	17mmAT	2012 M.M.		
NGC	4303	Vir	M61 H139-1	Galaxy SAB(rs)bc	VB,VL,VSBM*,BIN
	18"	17mmAT	2012 M.M.		
NGC	4321	Com	M100	Galaxy SAB(s)bc	PF,VL,R,VG,PSBMRN
	18"	17mmAT	2012 M.M.		
NGC	4382	Com	M85	Galaxy SA(s)0+ pec	VB,PL,R,BM,*NP
	18"	17mmAT	2012 M.M.		
NGC	4472	Vir	M49	Galaxy E2	VB,L,R,MBM,R
	18"	17mmAT	2012 M.M.		
NGC	4486	Vir	M87	Galaxy E+0-1 pec	VB,VL,R,MBM,3RD OF 3
	18"	17mmAT	2012 M.M.		
NGC	4501	Com	M88	Galaxy SA(rs)b	B,VL,VME
	18"	17mmAT	2012 M.M.		
NGC	4548	Com	M91 H120-2	Galaxy SB(rs)b	B,L,LE,LBM
	18"	17mmAT	2012 M.M.		
NGC	4569	Vir	M90	Galaxy SAB(rs)ab	PL,BMN
	18"	17mmAT	2012 M.M.		
NGC	4569	Vir	M90	Galaxy SAB(rs)ab	PL,BMN
	18"	17mmAT	2012 M.M.		
NGC	4579	Vir	M58	Galaxy SAB(rs)b	B,L,IR,VMBM,R
	18"	17mmAT	2012 M.M.		
NGC	4590	Hya	M68	Globular	GCL,L,ERI,VC,IR,ST12
	18"	17mmAT	2012 M.M.		
NGC	4594	Vir	M104 H43-1	Galaxy SA(s)a sp	VB,VL,EE92,VSMBMN
	18"	17mmAT	2012 M.M.		
NGC	4621	Vir	M59	Galaxy E5	B,PL,LE,VSVMBM,2*P
	18"	17mmAT	2012 M.M.		
NGC	4649	Vir	M60	Galaxy E2	VB,PL,R,FOF DNEB
	18"	17mmAT	2012 M.M.		

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Hidden Hollow - RAS

NGC	4736	CVn	M94	Galaxy (R)SA(r)ab	VB,L,IR,VSVMBMBN,R
	18"	17mmAT	2012 M.M.		
NGC	4826	Com	M64	Galaxy (R)SA(rs)ab	VB,VL,VME120,BMSBN
	18"	17mmAT	2012 M.M.		
NGC	4826	Com	M64	Galaxy (R)SA(rs)ab	VB,VL,VME120,BMSBN
	18"	17mmAT	2012 M.M.		
NGC	5024	Com	M53	Globular	GCL,B,VC,IR,VVMBM,
	18"	17mmAT	2012 M.M.		
NGC	5055	CVn	M63	Galaxy SA(rs)bc	VB,L,PME120,VSMBMBN
	18"	17mmAT	2012 M.M.		
NGC	5194	CVn	M51	Galaxy SA(s)bc pec	GREAT SPIRAL NEBULA
	18"	17mmAT	2012 M.M.		
NGC	5236	Hya	M83	Galaxy SAB(s)c	VB,VL,E55,ESBMN,SPIR
	18"	17mmAT	2012 M.M.		
NGC	5272	CVn	M3	Globular	GCL,EB,VL,VSMBM,*11.
	18"	17mmAT	2012 M.M.		
NGC	5457	UMa	M101	Galaxy SAB(rs)cd	PB,VL,IR,G,VSMBMBSN 4
	18"	17mmAT	2012 M.M.		
NGC	5866	Dra	M102 H215-1	Galaxy SA0+ sp	VB,CL,PME146,GBM
	18"	17mmAT	2012 M.M.		
NGC	5904	Ser	M5	Globular	GCL,VB,L,ECM,*11..15
	18"	17mmAT	2012 M.M.		
NGC	6093	Sco	M80	Globular	GCL,VB,L,VMBM(VAR*)
	18"	17mmAT	2012 M.M.		
NGC	6093	Sco	M80	Globular	GCL,VB,L,VMBM(VAR*)
	18"	17mmAT	2012 M.M.		
NGC	6121	Sco	M4	Globular	CL,8OR10B*LINE,RRR
	18"	17mmAT	2012 M.M.		
NGC	6171	Oph	M107 H40-6	Globular	GCL,L,VRI,VMC,R,RRR
	18"	17mmAT	2012 M.M.		
NGC	6205	Her	M13	Globular	GCL,EB,VRI,VGECM,*11
	18"	17mmAT	2012 M.M.		
NGC	6218	Oph	M12	Globular	GCL,VB,VL,IR,GMBM
	18"	17mmAT	2012 M.M.		
NGC	6254	Oph	M10	Globular	GCL,B,VL,R,GVMBM,RRR
	18"	17mmAT	2012 M.M.		
NGC	6266	Oph	M62	Globular	GCL,VB,L,GMBM,RRR,
	18"	17mmAT	2012 M.M.		

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NGC 6273 18"	Oph 17mmAT	M19 2012 M.M.	Globular	GCL,VB,L,R,VCM,RRR
NGC 6333 18"	Oph 17mmAT	M9 2012 M.M.	Globular	GCL,B,L,R,ECM,RRR,
NGC 6341 18"	Her 17mmAT	M92 2012 M.M.	Globular	GCL,VB,VL,ECM,ST S
NGC 6402 18"	Oph 17mmAT	M14 2012 M.M.	Globular	GCL,B,VL,R,ERI,VGMBM
NGC 6405 18"	Sco 17mmAT	M6 2012 M.M.	Open Cluster 5.5 II 3 r	CL,L,IR,LC,ST7,10...
NGC 6475 18"	Sco 17mmAT	M7 2012 M.M.	Open Cluster 7.0 I 3 r	CL,VB,PRI,LC,*7...12
NGC 6494 18"	Sgr 17mmAT	M23 2012 M.M.	Open Cluster 10.0 II 2 r	CL,B,VL,PRI,LC,*10..
NGC 6514 18"	Sgr 17mmAT	M20 H41-4 2012 M.M.	Nebula EN+OC	VB,VL,TRIFID,D*INV
NGC 6523 18"	Sgr 17mmAT	M8 2012 M.M.	Nebula E	VB,EL,EIF,W/LCL
NGC 6531 18"	Sgr 17mmAT	M21 2012 M.M.	Open Cluster 8.0 I 3 r	CL,PRI,LC,ST9...12
NGC 6603 18"	Sgr 17mmAT	M24 2012 M.M.	Open Cluster 14.0 I 2	CL,VRI,VMC,R,M WAY
NGC 6603 18"	Sgr 17mmAT	M24 2012 M.M.	Open Cluster 14.0 I 2	CL,VRI,VMC,R,M WAY
NGC 6611 18"	Ser 17mmAT	M16 2012 M.M.	Open Cluster 11.0 II 3 m n	CL,ATLEAST100* L\$\$
NGC 6613 18"	Sgr 17mmAT	M18 2012 M.M.	Open Cluster 8.7 II 3 p n	CL,P,VLC
NGC 6618 18"	Sgr 17mmAT	M17 2012 M.M.	Nebula EN+OC	B,EL,EIF,2HOOKED
NGC 6626 18"	Sgr 17mmAT	M28 2012 M.M.	Globular	GCL,VB,L,R,GECM,RRR
NGC 6637 18"	Sgr 17mmAT	M69 2012 M.M.	Globular	GCL,B,L,R,RRR,*14.16
NGC 6656 18"	Sgr 17mmAT	M22 2012 M.M.	Globular	GCL,VB,VL,R,VRI,VMC
NGC 6681 18"	Sgr 17mmAT	M70 2012 M.M.	Globular	GCL,B,PL,R,GBM,

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Hidden Hollow - RAS

NGC	6694	Sct	M26	Open Cluster 11.0 II 3 m	CL,CL,PRI,PC,ST12.15
	18"	17mmAT	2012 M.M.		
NGC	6705	Sct	M11	Open Cluster 11.0 I 2 r	CL,VB,L,IR,RI,*9,
	18"	17mmAT	2012 M.M.		
NGC	6715	Sgr	M54	Globular	GCL,VB,L,R,G,SMBM,
	18"	17mmAT	2012 M.M.		
NGC	6720	Lyr	M57	Planetary Neb 4+3	RINGNEB,B,PL,CE,LYRA
	18"	17mmAT	2012 M.M.		
NGC	6779	Lyr	M56	Globular	GCL,B,L,IR,GVMCM,RRR
	18"	17mmAT	2012 M.M.		
NGC	6809	Sgr	M55	Globular	GCL,PB,L,R,VRI,VGBM
	18"	17mmAT	2012 M.M.		
NGC	6838	Sge	M71	Globular	CL,VL,VRI,PMC,*11.16
	18"	17mmAT	2012 M.M.		
NGC	6853	Vul	M27	Planetary Neb 3+2	VB,VL,BIN,IE,DUMBEL
	18"	17mmAT	2012 M.M.		
NGC	6864	Sgr	M75	Globular	GCL,B,PL,R,VMBMBN,RR
	18"	17mmAT	2012 M.M.		
NGC	6913	Cyg	M29	Open Cluster 9.0 II 3 m n	CL,P,LC,STL\$\$
	18"	17mmAT	2012 M.M.		
NGC	6994	Aqr	M73	Open Cluster 11.1 IV 1 p	CL,EP,VLC,NO NEB
	18"	17mmAT	2012 M.M.		
NGC	7078	Peg	M15	Globular	GCL,VB,VL,IR,VSMBM
	18"	17mmAT	2012 M.M.		
NGC	7092	Cyg	M39	Open Cluster 7.0 III 2 m	CL,VL,VP,VLC,*7...10
	18"	17mmAT	2012 M.M.		
NGC	7654	Cas	M52	Open Cluster 11.0 II 2 r	CL,L,RI,MCM,R,*9..13
	18"	17mmAT	2012 M.M.		
WINN	4	UMa	M40	Unknown STAR	
	18"	17mmAT	2012 M.M.		

Observations Listing by Date

February 17, 2012 Hidden Hollow - RAS

NGC	1535	Eri	H26-4	Planetary Neb 4+2c	PLN,VB,S,R,PS,VSBM,R
	18"	11mmT6	OIII FILTER - VERY NICE PLANETARY		
NGC	1976	Ori	M42	Nebula EN+RN	THETAORI \$GREAT NEB
	18"	17mmAT	FIRST OBJECT WITH 18" F/4.5 ASTROSYSTEMS		
NGC	1982	Ori	M43 H1-3	Nebula E	VB,VL,RW/TAIL,MBM*8
	18"	17mmT4	SECOND OBJECT		
NGC	2068	Ori	M78	Nebula R	B,L,WISP,GMBN,3*INV
	18"	17mmT4	OBSERVED WITH 18" ASTROSYSTEMS		
NGC	2346	Mon	H65-4	Planetary Neb 3b+4	*10AFF W/ S,VF,NEB
	18"	11mmT6	OIII FILTER - VERY NICE PLANETARY		
NGC	2351	CMa	Non-Existent		CL,LC,**TAKEN
	18"	17mmT4	OIII FILTER - THOR'S HELMUT - GREAT OBJECT		
NGC	2438	Pup	H39-4	Planetary Neb 4+2	PLN,PB,PS,VLE,R
	18"	11mmT6	OIII FILTER - VERY NICE PLANETARY		
NGC	2440	Pup	H64-4	Planetary Neb 5+3	PLN,CB,NOT VWELL DEF
	18"	7mm TV	OIII FILTER - VERY NICE PLANETARY		
NGC	2903	Leo	H56-1	Galaxy SAB(rs)bc	CB,VL,E,GMBM,R,SPOF2
	18"	11mmT6	OBSERVED WITH 18" ASTROSYSTEMS		
PGC	22506	Cnc	Galaxy Sb		
	18"	7mm TV	VF,VS,EON,AV,R=F. AKA - UGC-4171, A.L. FLAT GALAXY		

Observations Listing by Date

September 1, 2011 Hidden Hollow - RAS

NGC 6745 31"	Lyr 17mmT4	Galaxy Sm PF,PS,OVAL,PEXT,FNUC,R=G,PA=100	VF,LE NS
NGC 7052 31"	Vul 17mmT4	H145-3 Galaxy E PB,PS,OVAL,PEXT,FNUC,R=G	F,S,VLE,R
NGC 7053 12"	Peg 17mmT4	Galaxy S? PF,PS,R,FNUC,R=G	PB,S,VLE
NGC 7177 31"	Peg 17mmT4	H247-2 Galaxy SAB(r)b PB,PS,OVAL,PEXT,BNUC,R=G	PB,PS,R,BMN,R,*SP
NGC 7283 31"	Peg 17mmT4	Galaxy S? CF,CS,R,UB,NND,R=F	VF,VS,R
NGC 7290 31"	Peg 17mmT4	Galaxy SA(r)bc PF,PS,OVAL,UB,NND,R=G	PB,S,PME
NGC 7291 31"	Peg 17mmT4	Galaxy S0 PF,PS,R,FNUC,R=F	EF,ES,R,SMBM
PGC 62556 31"	Lyr 17mmT4	Galaxy VF,VS,OVAL,UB,NND,AV3,R=P	
PGC 62559 31"	Lyr 17mmT4	Galaxy S F,CS,R,UB,NND,R=F,DV	
PGC 62560 31"	Lyr 17mmT4	Galaxy VF,ES,OVAL,UB,NND,AV2,R=F	
PGC 62595 31"	Lyr 17mmT4	Galaxy Sab PF,PS,OVAL,MEXT,UB,NND,R=F	
PGC 62606 31"	Lyr 17mmT4	Galaxy VF,VS,R,UB,NND,AV2,R=P	
PGC 62613 31"	Lyr 17mmT4	Galaxy E? CF,CS,OVAL,UB,NND,R=F,DV	
PGC 62664 31"	Lyr 17mmT4	Galaxy CF,VS,OVAL,NND,R=P, PAIRED W/PGC-62665	
PGC 62665 31"	Lyr 17mmT4	Galaxy S CF,VS,R,UB,NND,R=F, PAIRED W/PGC-62664	
PGC 62702 31"	Lyr 17mmT4	Galaxy Scd: DIFF,CF,PS,OVAL,MEXT,UB,NND,AV,R=F	
PGC 66538 31"	Vul 17mmT4	Galaxy PF,CS,R,BNUC,R=G	
PGC 67897 31"	Peg 17mmT4	Galaxy SB? CF,CS,R,UB,NND,R=F	
PGC 68952 31"	Peg 17mmT4	Galaxy C CF,CS,R,UB,NND,R=F	

Observations Listing by Date

September 1, 2011 Hidden Hollow - RAS

PGC 69025 **Peg** **Galaxy S**
31" 17mmT4 CF,VS,R,UB,NND,AV3,R=P

August 25, 2011 Hidden Hollow - RAS

NGC 3218 **Dra** **H283-1** **Galaxy SB(s)bc:** **CB,CL,ER,**
12" 5mm TV F,VS,OVAL,MEXT,UB,NND,AV1,R=P

NGC 3397 **Dra** **H284-1** **Galaxy (R)SA(r)b:** **CB,VS,IF**
12" 5mm TV F,VS,OVAL,PEXT,UB,FNUC,R=F

NGC 6952 **Cep** **Galaxy SAB(rs)bc** **PB,OVAL,DIF,*15NR F**
12" 5mm TV PF,CS,R,UB,FNUC,R=G

NGC 7507 **ScI** **H2-2** **Galaxy E0** **PB,CS,R,PSVMBM,*10NP**
12" 7mm TV PF,PS,R,FNUC,R=G, LAST OBJECT FOR HERSCHEL 400 II LIST.

NGC 7513 **ScI** **Galaxy (R')SB(s)b pec** **VF,PL,E,GBM**
12" 7mm TV PF,PS,OVAL,MEXT,FNUC,R=G

NGC 7619 **Peg** **H439-2** **Galaxy E** **CB,PS,R,PSBM**
12" 7mm TV PF,PS,R,FNUC,R=G

NGC 7626 **Peg** **H440-2** **Galaxy E pec:** **CB,PS,R,PSBM**
12" 7mm TV PF,PS,R,FNUC,R=G

PGC 69858 **Peg** **Galaxy S0?**
12" 5mm TV VF,VS,R,UB,NND,AV,R=P

July 31, 2011 Hidden Hollow - RAS

NGC 1544 **Cep** **Galaxy S?** **VF,VS**
12" 5mm TV VF,VS,R,UB,NND,R=F

NGC 6337 **Sco** **Planetary Neb 4** **RINGNEB,EF,S,AM ST**
12" 7mm TV F,VS,,R=F,SMUDGE WITH TWO FOREGROUND STARS

PGC 60346 **Oph** **Galaxy SB(rs)c**
12" 5mm TV F,CS,MR,UB,NND,AV2,R=P

PGC 61214 **Oph** **Galaxy Sd:**
12" 5mm TV VF,CS,OVAL,MEXT,UB,NND,AV1,R=F

PGC 61300 **Oph** **Galaxy Scd:**
12" 5mm TV F,CS,EON,UB,NND,R=F

Observations Listing by Date

July 25, 2011

Hidden Hollow - RAS

NGC 6530 12"	Sgr 32mmUW B,L,R=E, LP-2 FILTER.	Open Cluster 6.0 II 2 m n	CL,B,L,PRI,FM8
NGC 6960 12"	Cyg 32mmUW B,VL,R=E!! LP-2 FILTER, EXTENDS N.E. TO S.W WITH N.E. LARGER	H15-5 Nebula E	PB,CL,EIF,KAPPACYGIN
NGC 6992 12"	Cyg 32mmUW B,L,R=E! LP-2 FILTER, WISPY FILEMENTS	H14-5 Nebula E	EF,EL,EE,EIF,BIFID
NGC 7000 12"	Cyg 32mmUW B,VL,R=E!! LP-2 FILTER, OUTSTANDING	H37-5 Nebula E	F,EEL,DIF NEBULOSITY
PGC 63311 12"	Cyg 7mm TV VF,VS,OVAL,UB,NNS,R=F,AV1	Galaxy Sb	
PGC 63440 12"	Cyg 7mm TV VF,VS,OVAL,UB,NND,R=P,AV1	Galaxy S0-:	
PGC 63552 12"	Cyg 7mm TV VF,VS,OVAL,UB,NND,R=P	Galaxy S?	
PGC 63766 12"	Cyg 7mm TV VF,CS,OVAL,NND,R=P	Galaxy SAB(s)bc	
PGC 67049 12"	Cyg 7mm TV VF,VS,OVAL,UB,NND,R=F	Galaxy SAB0^	
PGC 67246 12"	Cyg 7mm TV VF,VS,OVAL,UB,NND,R=P,AV4	Galaxy SB?	

July 19, 2011

Hidden Hollow - RAS

NGC 6526 12"	Sgr 11mmT6 F,L, EBULOSITY, INTERMITENT DARK BAND, OIII DIDN'T SEEM TO HELP.	H9-5 Nebula E	F,L,CE
PGC 67049 12"	Cyg 7mm TV VF,VS,OVAL,UB,NND,R=P	Galaxy SAB0^	

July 4, 2011

Hidden Hollow - RAS

NGC 3587 12"	UMa 11mmT6	M97 LAST OBJECT OF THE NIGHT. BACK TO WORK.	Planetary Neb 3a	PLN,VB,VL,R,VVG,VSBM
NGC 5194 12"	CVn 7mm TV	M51 SUPERNOVE SEEN, REMARKABLE ARM STRUCTURE, R=GREAT	Galaxy SA(s)bc pec	GREAT SPIRAL NEBULA
NGC 6121 12"	Sco 17mmT4	M4 GOOD LOOKING	Globular	CL,8OR1OB*LINE,RRR
NGC 6333 12"	Oph 11mmT6	M9 FINE OBJECT	Globular	GCL,B,L,R,ECM,RRR,
NGC 6656 12"	Sgr 11mmT6	M22 FINE OBJECT	Globular	GCL,VB,VL,R,VRI,VMC

Observations Listing by Date

June 5, 2011		Hidden Hollow - RAS			
MAC	1432+3557	Boo	Galaxy		
	31"	17mmT4	CF,CS,OVAL,UB,NND,R=F		
MAC	1432+3601	Boo	Galaxy		
	31"	17mmT4	VF,VS,OVAL,UB,NND,AV,R=P		
NGC	5613	Boo	Galaxy (R)SAB(r)0+		EF,PS,DIF,2'N OF5614
	31"	17mmT4	CF,CS,OVAL,MEXT,UB,NND,R=F		
NGC	5614	Boo	H420-2 Galaxy SA(r)ab pec		PB,S,R,SMBM
	31"	17mmT4	PF,PS,R,BNUC,R=G		
NGC	5646	Boo	Galaxy SBb:		EF,E SPNF,45"L
	31"	17mmT4	F,S,OVAL,PEXT,UB,NND,R=F,PA=170, MAG 10 STAR AT SOUTHERN TIP		
NGC	5656	Boo	H421-2 Galaxy Sab		PF,PL,R,MBM,R
	31"	17mmT4	PF,PS,R,BNUC,HSB,R=G, POSSIBLE ARM STRUCTURE DETECTED.		
NGC	5675	Boo	H422-2 Galaxy S?		F,PS,E,BM
	31"	17mmT4	F,S,OVAL,VEXT,FNUC,HSB,R=F,PA=40		
NGC	5684	Boo	H421-3 Galaxy S0		F,CS,R,BM,P OF 2
	31"	17mmT4	PF,PS,R,FNUC,R=F		
NGC	5686	Boo	Galaxy Sa		VF,S,R,F OF 2
	31"	17mmT4	PF,CS,R,FNUC,R=F		
NGC	5695	Boo	H423-2 Galaxy S?		PB,CS,R,BM,R
	31"	17mmT4	PF,CS,R,BNUC,R=F,DETECTED KNOT ON WEST SIDE.		
NGC	5753	Boo	Galaxy		F,BM,NP5754
	31"	17mmT4	PF,PS,R,FNUC,HSB,R=G		
NGC	5754	Boo	H687-3 Galaxy SB(rs)b		CF,CS,R,BM
	31"	17mmT4	PF,S,R,FNUC,HSB,R=G		
NGC	5772	Boo	Galaxy SA(r)b:		PB,PL,LE,PSLBM,*8NP
	31"	17mmT4	PF,PS,OVAL,PEXT,FNUC,HSB,R=G,PA=120		
NGC	6144	Sco	H10-6 Globular		CL,CL,MC,GBM,RRR
	12"	17mmT4	NICE GLOB.		
PGC	51443	Boo	Galaxy L		
	31"	17mmT4	CF,CS,R,UB,NND,R=F		
PGC	51447	Boo	Galaxy L		
	31"	17mmT4	VF,CS,OVAL,MEXT,UB,NND,R=F		
PGC	51464	Boo	Galaxy S		
	31"	17mmT4	F,PS,EEXT,UB,FNUC,R=G,PA=40		
PGC	51470	Boo	Galaxy SBa		
	31"	17mmT4	F,CS,OVAL,VEXT,UB,NND,R=F,PA=170		
PGC	51477	Boo	Galaxy Sc		
	31"	17mmT4	VF,CS,OVAL,VEXT,UB,NND,R=F,PA=60		

Observations Listing by Date

June 5, 2011**Hidden Hollow - RAS**

PGC	51692	Boo	Galaxy SBab
	31"	17mmT4	VF,CS,OVAL,UB,NND,R=G
PGC	51792	Boo	Galaxy S
	31"	17mmT4	CF,VS,OVAL,UB,NND,R=F,PAIRED W/PGC51800
PGC	51800	Boo	Galaxy Sa
	31"	17mmT4	VF,VS,OVAL,UB,NND,R=F,PAIRED WPGC51792
PGC	51872	Boo	Galaxy Sc
	31"	17mmT4	F,VS,OVAL,UB,NND,AV,R=F
PGC	51881	Boo	Galaxy L
	31"	17mmT4	F,S,R,UB,NND,R=F
PGC	51928	Boo	Galaxy S
	31"	17mmT4	CF,CS,OVAL,VEXT,UB,NND,R=F
PGC	52027	Boo	Galaxy SBb
	31"	17mmT4	DIFF,VF,CS,R,UB,NND,R=F
PGC	52160	Boo	Galaxy S0
	31"	17mmT4	PF,CS,EON,FNUC,R=F
PGC	52183	Boo	Galaxy S0/a
	31"	17mmT4	PF,CS,R,BNUC,R=G
PGC	52301	Boo	Galaxy SBR
	31"	17mmT4	VF,VS,R,UB,NND,AV,R=P
PGC	52358	Boo	Galaxy
	31"	17mmT4	VF,ES,OVAL,UB,NND,R=F
PGC	52373	Boo	Galaxy Sc
	31"	17mmT4	VF,VS,R,UB,NND,AV,R=P

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May 30, 2011**Hidden Hollow - RAS**

NGC 5921 12"	Ser 7mm TV	H148-1 PF,PS,OVAL,UB,NND,R=F	Galaxy SB(r)bc	CB,CL,IR,VSBM*12,AM*
NGC 5928 12"	Ser 7mm TV	H874-2 PF,CS,R,UB,NND,R=F	Galaxy S0	PB,CS,R,PSBM,*7N
NGC 5953 12"	Ser 7mm TV	H178-2 PF,PS,R,UB,NND,R=F	Galaxy SAa: pec	PB,CS,P OF D NEB
NGC 5954 12"	Ser 7mm TV	H179-2 PF,CS,OVAL,PEXT,UB,NND,R=F	Galaxy SAB(rs)cd: pec	PB,CS,F OF D NEB
NGC 5964 12"	Ser 7mm TV		Galaxy SB(rs)d DIFF,CF,PS,OVAL,UB,NND,R=F	EF,VL,R,VGBM,R
NGC 5990 12"	Ser 7mm TV	H425-2 CF,CS,OVAL,UB,NND,R=F	Galaxy (R')Sa pec?	VF,VS,R,GBM
NGC 5996 12"	Ser 7mm TV	H97-2 PF,PS,OVAL,UB,NND,R=P	Galaxy S?	PF,CS,R,R,BET 2D*
NGC 6012 12"	Ser 7mm TV	H657-2 PF,PS,OVAL,UB,NND,R=F	Galaxy (R)SB(r)ab:	F,BET 2B ST
NGC 6118 12"	Ser 7mm TV	H402-2 PF,PS,OVAL,PEXT,UB,NND,R=F	Galaxy SA(s)cd	VF,CL,CE45,R

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April 29, 2011**Hidden Hollow - RAS**

NGC 3020 12"	Leo 5mm TV	H51-3 CF,PS,OVAL,MEXT,R=F,PA=50	Galaxy SB(r)cd:	EF,PS,LE0,R
NGC 4116 12"	Vir 7mm TV	H17-2 DIFF,CF,PS,OVAL,AV,R=F,PA=120	Galaxy SB(rs)dm	VF,E,SPOF2,HOOKSHAPE
NGC 4235 12"	Vir 5mm TV	H17-2 PF,PS,EON,FNUC,R=G,PA=45	Galaxy SA(s)a sp	PB,PL,PME,BM,P OF 2
NGC 5520 12"	Boo 7mm TV	H676-3 PF,PS,OVAL,MEXT,FNUC,R=F	Galaxy Sb	F,S,LE,STELLAR
NGC 5582 12"	Boo 7mm TV	H754-2 PF,PS,OVAL,BNUC,R=G,PA=95	Galaxy E	PB,PS,R,BMFN,*SP
NGC 5587 12"	Boo 7mm TV	H110-3 PF,PS,OVAL,VEXT,UB,NND,R=F	Galaxy S0/a	F,CS,VLE,*8SF
NGC 6338 12"	Dra 5mm TV	H812-2 VF,CS,OVAL,UB,NND,R=F	Galaxy S0	F,S,R,VGLBM
NGC 6370 12"	Dra 5mm TV	H812-2 CF,CS,R,UB,NND,R=F,STAR TO S.W.	Galaxy E	VF,VS,R,B*NR N
NGC 6521 12"	Dra 5mm TV	H812-2 CF,CS,R,UB,NND,R=F	Galaxy E	F,PL,3RD OF 3
NGC 6651 12"	Dra 5mm TV	H812-2 VF,CS,OVAL,UB,NND,R=F	Galaxy SA(r)c	EEF,PS,LE,VDIFFIC
NGC 6691 12"	Dra 5mm TV	H812-2 CF,VS,R,UB,NND,R=F	Galaxy SB(rs)bc	VF,PL,R,PB*S NR
PGC 29488 12"	Leo 17mmAT	H51-3 DIFF,CF,PS,OVAL,UB,NND,R=F	Galaxy E3	

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NGC 1990 12"	Ori 17mmAT	H34-5 PF,PS,R=F,OIII FILTER, SOME NEBULOSITY?	Nebula E+R	EL,E,EPSILONORI INV P
NGC 2170 12"	Mon 17mmAT	H19-4 SMALL, FAINT,IRREGULAR,R=F, OIII FILTER	Nebula R	*9 INV F,PL,NEB,E170
NGC 2182 12"	Mon 11mmT6	H38-4 VF,VS,IRREGULAR,R=F, OIII	Nebula R	PB**,L*NEB,E90
NGC 2245 12"	Mon 11mmT6	H3-4 PF,VS,R=F,OIII	Nebula R	PL,COM,MBN SFALM*
NGC 2253 12"	Cam 5mm TV	H54-7 NON-EXISTENT PER NGC/IC PROJECT.	Open Cluster	VF,ST ES
NGC 2261 12"	Mon 11mmT6	H2-4 VF,VS,R=F,OIII	Nebula E+R	B,VME330,N COM=*11
NGC 2316 12"	Mon 11mmT6	H304-2 PF,VS,R=F,OIII	Nebula E+R	PF,S,R,R,S ST INV
NGC 2327 12"	CMa 7mm TV	H25-4 SMALL,FAINT,R=F,OIII	Nebula	PB**INV INS,VF,NEB
NGC 2396 12"	Pup 11mmT6	H36-8 PF,PS,LOOSE,R=F	Open Cluster 11.0 IV 1 m	CL,VL,VLC
NGC 2414 12"	Pup 11mmT6	H37-8 F,PS,R=F,TIGHT	Open Cluster 8.2 I 3 m	CL,P,LC,ST9,\$C
NGC 2432 12"	Pup 11mmT6	H36-6 F,S,R=F,TIGHT IN A LINE	Open Cluster II 2 m	CL,PL,PC,E0,ST L\$\$
NGC 2467 12"	Pup 11mmT6	H22-4 F,S,R=G, NICE GROUP W/ASSOCIATED NEBULOSITY	Open Cluster I 3 m n	PB,VL,R,ER,*8M
NGC 2493 12"	Lyn 7mm TV	H750-3 VF,PS,R,UB,NND,AV,R=F	Galaxy SB0	CB,S,R,SBM
NGC 2500 12"	Lyn 5mm TV	H709-3 VF,PS,R,UB,NND,R=F	Galaxy SB(rs)d	F,L,R,VGBM,R,AM ST
NGC 2541 12"	Lyn 11mmT6	H710-3 DIFF,PF,PS,OVAL,MEXT,UB,NND,R=G	Galaxy SA(s)cd	F,L,E,VGBM
NGC 2756 12"	UMa 7mm TV	H828-2 VF,VS,OVAL,UB,NND,R=F	Galaxy Sb	PB,PS,E,VGBM
NGC 3065 12"	UMa 5mm TV	H333-2 VF,PS,R,UB,NND,AV,R=F	Galaxy SA(r)0^A	PF,VS,R,BM,*11NR
NGC 3073 12"	UMa 5mm TV	H853-3 VF,VS,R,UB,NND,AV,R=F	Galaxy SAB0-	VF,S,VGLBM
NGC 3156 12"	Sex 7mm TV	H255-3 PF,CS,OVAL,PEXT,FNUC,R=G,PA=45	Galaxy S0:	F,CS,R,PSBM,*9,10SF2

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NGC 3225 12"	UMa 5mm TV	H882-2 VF,VS,OVAL,NND,AV,R=F	Galaxy Scd:	CF,PL,LE,VGBM
NGC 3424 12"	LMI 7mm TV	H494-2 PF,CS,EON,UB,NND,R=F,PA=120	Galaxy SB(s)b:?	PF,PL,LE,SP OF 3
NGC 3430 12"	LMI 7mm TV	H118-1 PF,PS,OVAL,MEXT,UB,NND,R=F	Galaxy SAB(rs)c	PB,L,IE,GBM,2ND OF 3
NGC 3652 12"	UMa 5mm TV	H775-2 PF,PS,OVAL,UB,NND,R=F,PA=115	Galaxy Scd?	PF,CL,LE,VGBM
NGC 3683 12"	UMa 5mm TV	H246-1 VF,PS,OVAL,UB,NND,AV,R=F	Galaxy SB(s)c?	CB,PL,E
NGC 4062 12"	UMa 7mm TV	H174-1 PF,PS,OVAL,PEXT,R=G,BRIGHTER TOWARDS THE MIDDLE	Galaxy SA(s)c	PB,VL,ME97,VGBM
NGC 4105 12"	Hya 7mm TV	H865-2 PF,PS,OVAL,MEXT,FNUC,R=F	Galaxy E3	PF,PS,R,PSBM,R,P OF 2
NGC 4106 12"	Hya 7mm TV	H866-2 PF,CS,OVAL,UB,NND,R=F	Galaxy SB(s)0+	PF,PS,R,PGBM, F OF 2
NGC 4271 12"	UMa 5mm TV	H804-2 PF,VS,OVAL,VFNUC,R=F	Galaxy S0-:	PB,PL,IF
NGC 4956 12"	CVn 7mm TV	H413-2 PF,CS,R,FNUC,R=F	Galaxy S0	PB,CS,R,SMBM
NGC 5023 12"	CVn 7mm TV	H664-2 PF,PS,EON,UB,NND,R=F,PA=90	Galaxy Scd: sp	PF,L,ME20,VLBM
NGC 5103 12"	CVn 7mm TV	H665-2 PF,VS,OVAL,UB,NND,R=F	Galaxy S?	PB,CS,E
NGC 5383 12"	CVn 7mm TV	H181-1 PF,PS,R,FNUC,R=G	Galaxy (R')SB(rs)b: p	CB,CL,R,GBM
NGC 5440 12"	CVn 7mm TV	H416-2 PF,PS,OVAL,VEXT,FNUC,R=G	Galaxy Sa	PF,CS,LE,BM,*11SP
NGC 5444 12"	CVn 7mm TV	H417-2 DIFF,CF,PS,OVAL,MEXT,UB,R=F	Galaxy E+:	PB,PL,IVLE,VSMBM
NGC 5445 12"	CVn 7mm TV	H413-3 CF,CS,OVAL,VEXT,UB,NND,R=F	Galaxy S0?	F,*13P

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IC	4725	Sgr	M25	Open Cluster 8.0 I 3 m	
	12"	17mmAT	M.M. 2011 -	MANUAL SETTING CIRCLES	
M	45	Tau	M45	Open Cluster	
	12"	17mmAT	M.M. 2011 -	MANUAL SETTING CIRCLES	
NGC	205	And	M110 H18-5	Galaxy E5 pec	VB,VL,ME165,VGVMBM
	12"	17mmAT	M.M. 2011 -	MANUAL SETTING CIRCLES	
NGC	221	And	M32	Galaxy cE2	VVB,L,R,PSMBMN
	12"	17mmAT	M.M. 2011 -	MANUAL SETTING CIRCLES	
NGC	224	And	M31	Galaxy SA(s)b	EEB,EL,VME,ANDROMEDA 17
	12"	17mmAT	M.M. 2011 -	MANUAL SETTING CIRCLES	
NGC	581	Cas	M103	Open Cluster 9.0 II 2 m	CL,PL,B,R,RI,*10..11
	12"	17mmAT	M.M. 2011 -	MANUAL SETTING CIRCLES	
NGC	598	Tri	M33 H17-5	Galaxy SA(s)cd	EB,EL,R,VGBMN 6
	12"	17mmAT	M.M. 2011 -	MANUAL SETTING CIRCLES	
NGC	628	Psc	M74	Galaxy SA(s)c	GCL,F,VL,R,VG,PSMBM
	12"	17mmAT	M.M. 2011 -	MANUAL SETTING CIRCLES	
NGC	650	Per	M76 H193-1	Planetary Neb 3+6	VB,P OF DNEB
	12"	17mmAT	M.M. 2011 -	MANUAL SETTING CIRCLES	
NGC	1039	Per	M34	Open Cluster 9.0 II 3 r	CL,B,VL,LC,SC ST9
	12"	17mmAT	M.M. 2011 -	MANUAL SETTING CIRCLES	
NGC	1068	Cet	M77	Galaxy (R)SA(rs)b	VB,PL,IR,SBMRRN
	12"	17mmAT	M.M. 2011 -	MANUAL SETTING CIRCLES	
NGC	1904	Lep	M79	Globular	GCL,PL,ERI,EC,RRR
	12"	17mmAT	M.M. 2011 -	MANUAL SETTING CIRCLES	
NGC	1912	Aur	M38	Open Cluster 8.0 II 2 r	CL,B,VL,VRI,IF,STL\$\$
	12"	17mmAT	M.M. 2011 -	MANUAL SETTING CIRCLES	
NGC	1952	Tau	M1	Nebula E	VB,VL,E135,VGLBM,R
	12"	17mmAT	M.M. 2011 -	MANUAL SETTING CIRCLES	
NGC	1960	Aur	M36	Open Cluster 9.0 I 3 r	CL,B,VL,VRI,CL,*9.11
	12"	17mmAT	M.M. 2011 -	MANUAL SETTING CIRCLES	
NGC	1976	Ori	M42	Nebula EN+RN	THETAORI \$GREAT NEB
	12"	17mmAT	M.M. 2011 -	MANUAL SETTING CIRCLES	
NGC	1982	Ori	M43 H1-3	Nebula E	VB,VL,RW/TAIL,MBM*8
	12"	17mmAT	M.M. 2011 -	MANUAL SETTING CIRCLES	
NGC	2068	Ori	M78	Nebula R	B,L,WISP,GMBN,3*INV
	12"	17mmAT	M.M. 2011 -	MANUAL SETTING CIRCLES	
NGC	2099	Aur	M37	Open Cluster 11.0 I 2 r	CL,RI,PCM,ST L\$\$
	12"	17mmAT	M.M. 2011 -	MANUAL SETTING CIRCLES	

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NGC 2168 12"	Gem 17mmAT	M35 M.M. 2011 - MANUAL SETTING CIRCLES	Open Cluster 8.0 III 3 r	CL,VL,CRI,PC,ST9..16
NGC 2287 12"	CMa 17mmAT	M41 M.M. 2011 - MANUAL SETTING CIRCLES	Open Cluster 8.0 I 3 r	CL,VL,B,LC,ST 8...
NGC 2323 12"	Mon 17mmAT	M50 M.M. 2011 - MANUAL SETTING CIRCLES	Open Cluster 9.0 II 3 r	CL,VL,RI,PC,E,
NGC 2422 12"	Pup 17mmAT	M47 H38-8 M.M. 2011 - MANUAL SETTING CIRCLES	Open Cluster 5.0 I 3 m	CL,B,VL,PRI,ST L\$\$
NGC 2437 12"	Pup 17mmAT	M46 M.M. 2011 - MANUAL SETTING CIRCLES	Open Cluster 10.0 II 2 r	CL,VB,VRI,VL,INV PLN
NGC 2447 12"	Pup 17mmAT	M93 M.M. 2011 - MANUAL SETTING CIRCLES	Open Cluster 9.0 I 3 r	CL,L,PRI,LC,ST8...13
NGC 2548 12"	Hya 17mmAT	M48 H22-6 M.M. 2011 - MANUAL SETTING CIRCLES	Open Cluster 8.0 I 3 r	CL,VL,PRI,PMC,*9..13
NGC 2632 12"	Cnc 17mmAT	M44 M.M. 2011 - MANUAL SETTING CIRCLES	Open Cluster 6.0 II 3 m	PRAESEPE CANCRI
NGC 2682 12"	Cnc 17mmAT	M67 M.M. 2011 - MANUAL SETTING CIRCLES	Open Cluster 9.0 II 3 r	CL,VB,VL,ERI,LC,*10.
NGC 3031 12"	UMa 17mmAT	M81 M.M. 2011 - MANUAL SETTING CIRCLES	Galaxy SA(s)ab	EB,EL,E156,GVMBMBN 2
NGC 3034 12"	UMa 17mmAT	M82 H79-4 M.M. 2011 - MANUAL SETTING CIRCLES	Galaxy I0 sp	VB,VL,VME(RAY)
NGC 3351 12"	Leo 17mmAT	M95 M.M. 2011 - MANUAL SETTING CIRCLES	Galaxy SB(r)b	B,L,R,PGMBMN
NGC 3368 12"	Leo 17mmAT	M96 M.M. 2011 - MANUAL SETTING CIRCLES	Galaxy SAB(rs)ab	VB,VL,LE,VSVMBM,R
NGC 3379 12"	Leo 17mmAT	M105 H17-1 M.M. 2011 - MANUAL SETTING CIRCLES	Galaxy E1	VB,CL,R,PSBM,R
NGC 3511 12"	Crt 11mmT6	H39-5 PF,PS,EON,UB,NND,R=F	Galaxy SA(s)c	VF,VL,ME
NGC 3513 12"	Crt 11mmT6	H40-5 PF,PS,OVAL,UB,NND,R=F	Galaxy SB(rs)c	VF,VL,ME
NGC 3556 12"	UMa 17mmAT	M108 H46-5 M.M. 2011 - MANUAL SETTING CIRCLES	Galaxy SB(s)cd sp	CB,VL,VME79,PBM,R
NGC 3587 12"	UMa 17mmAT	M97 M.M. 2011 - MANUAL SETTING CIRCLES	Planetary Neb 3a	PLN,VB,VL,R,VVG,VSBM
NGC 3623 12"	Leo 17mmAT	M65 M.M. 2011 - MANUAL SETTING CIRCLES	Galaxy SAB(rs)a	B,VL,ME165,GBMBN

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NGC	3627	Leo	M66	Galaxy SAB(s)b	B,VL,ME150,MBM,2*NP
	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
NGC	3636	Crt	H550-2	Galaxy E0	F,VS,R,LBM,*7F,P OF2
	12"	7mm TV	F,CS,R,BNUC,R=G		
NGC	3637	Crt	H551-2	Galaxy (R)SB(r)0^	F,VS,R,PSBM,*7P,FOF2
	12"	7mm TV	F,CS,R,BNUC,R=G		
NGC	3672	Crt	H131-1	Galaxy SA(s)c	PB,L,E0,GBM
	12"	7mm TV	PF,PS,OVAL,PEXT,UB,NND,R=F		
NGC	3693	Crt	H532-3	Galaxy (R')SA(r)b:	CF,S,E,GBM
	12"	5.5mmN	VF,VS,EON,UB,NND,AV,R=F		
NGC	3732	Crt	H552-2	Galaxy SB0-a	F,S,R,PSBM,*14SP
	12"	5.5mmN	CF,CS,R,UB,NND,R=F		
NGC	3756	UMa	H784-2	Galaxy SAB(rs)bc	PF,L,LE
	12"	11mmT6	PF,PS,OVAL,MEXT,UB,NND,R=F		
NGC	3887	Crt	H120-1	Galaxy SB(r)bc	PB,L,IR,VGPMBM
	12"	11mmT6	DIFF,PF,PS,OVAL,UB,NND,R=F		
NGC	3892	Crt	H553-2	Galaxy SB(rs)0+	PB,PL,R,GBM,R
	12"	11mmT6	PF,PS,OVAL,MEXT,UB,NND,R=F		
NGC	3923	Hya	H259-1	Galaxy E4-5	B,PL,LE,GMBM,R,VS*SP
	12"	11mmT6	PF,PS,OVAL,UB,NND,R=F		
NGC	3992	UMa	M109 H61-4	Galaxy SB(rs)bc	CB,VL,PME,SBMBRN
	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
NGC	4013	UMa	H733-2	Galaxy Sb sp	B,CL,ME62,VSVMBM*10
	12"	11mmT6	PF,PS,EON,BNUC,R=G		
NGC	4047	UMa	H741-2	Galaxy (R)SA(rs)b:	PB,PS,R
	12"	11mmT6	PF,CS,R,UB,NND,R=F		
NGC	4096	UMa	H207-1	Galaxy SAB(rs)c	PB,VL,ME32
	12"	11mmT6	PF,PS,EON,FNUC,R=F		
NGC	4100	UMa	H717-3	Galaxy (R')SA(rs)bc	PB,VL,VME161,VGVLBM
	12"	17mmAT	PF,PS,EON,UB,NND,R=F		
NGC	4144	UMa	H747-2	Galaxy SAB(s)cd? sp	PF,CL,VME109,VGBM
	12"	11mmT6	PF,PS,EON,FNUC,R=F		
NGC	4192	Com	M98	Galaxy SAB(s)ab	B,VL,VME152,VSVMBM
	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
NGC	4254	Com	M99	Galaxy SA(s)c	B,L,R,GBM,R,3BRSPIRA
	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
NGC	4258	CVn	M106 H43-5	Galaxy Sb	VB,VL,VME0,SBMBN
	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		

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NGC 4290 12"	UMa 11mmT6	H805-2 CF,CS,OVAL,UB,NND,R=F	Galaxy SB(rs)ab:	PB,L,R,GMBM
NGC 4303 12"	Vir 17mmAT	M61 H139-1 M.M. 2011 - MANUAL SETTING CIRCLES	Galaxy SAB(rs)bc	VB,VL,VSBM*,BIN
NGC 4321 12"	Com 17mmAT	M100 M.M. 2011 - MANUAL SETTING CIRCLES	Galaxy SAB(s)bc	PF,VL,R,VG,PSBMRN
NGC 4374 12"	Vir 17mmAT	M84 M.M. 2011 - MANUAL SETTING CIRCLES	Galaxy E1	VB,PL,R,PSBM,R
NGC 4382 12"	Com 17mmAT	M85 M.M. 2011 - MANUAL SETTING CIRCLES	Galaxy SA(s)0+ pec	VB,PL,R,BM,*NP
NGC 4406 12"	Vir 17mmAT	M86 M.M. 2011 - MANUAL SETTING CIRCLES	Galaxy E3	VB,L,R,GBMN,R
NGC 4472 12"	Vir 17mmAT	M49 M.M. 2011 - MANUAL SETTING CIRCLES	Galaxy E2	VB,L,R,MBM,R
NGC 4486 12"	Vir 17mmAT	M87 M.M. 2011 - MANUAL SETTING CIRCLES	Galaxy E+0-1 pec	VB,VL,R,MBM,3RD OF 3
NGC 4501 12"	Com 17mmAT	M88 M.M. 2011 - MANUAL SETTING CIRCLES	Galaxy SA(rs)b	B,VL,VME
NGC 4548 12"	Com 17mmAT	M91 H120-2 M.M. 2011 - MANUAL SETTING CIRCLES	Galaxy SB(rs)b	B,L,LE,LBM
NGC 4552 12"	Vir 17mmAT	M89 M.M. 2011 - MANUAL SETTING CIRCLES	Galaxy E0-1	PB,PS,R,GMBM
NGC 4569 12"	Vir 17mmAT	M90 M.M. 2011 - MANUAL SETTING CIRCLES	Galaxy SAB(rs)ab	PL,BMN
NGC 4579 12"	Vir 17mmAT	M58 M.M. 2011 - MANUAL SETTING CIRCLES	Galaxy SAB(rs)b	B,L,IR,VMBM,R
NGC 4590 12"	Hya 17mmAT	M68 M.M. 2011 - MANUAL SETTING CIRCLES	Globular	GCL,L,ERI,VC,IR,ST12
NGC 4594 12"	Vir 17mmAT	M104 H43-1 M.M. 2011 - MANUAL SETTING CIRCLES	Galaxy SA(s)a sp	VB,VL,EE92,VSMBMN
NGC 4621 12"	Vir 17mmAT	M59 M.M. 2011 - MANUAL SETTING CIRCLES	Galaxy E5	B,PL,LE,VSVMBM,2*P
NGC 4649 12"	Vir 17mmAT	M60 M.M. 2011 - MANUAL SETTING CIRCLES	Galaxy E2	VB,PL,R,FOF DNEB
NGC 4736 12"	CVn 17mmAT	M94 M.M. 2011 - MANUAL SETTING CIRCLES	Galaxy (R)SA(r)ab	VB,L,IR,VSVMBMBN,R
NGC 4826 12"	Com 17mmAT	M64 M.M. 2011 - MANUAL SETTING CIRCLES	Galaxy (R)SA(rs)ab	VB,VL,VME120,BMSBN

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NGC	5024	Com	M53	Globular	GCL,B,VC,IR,VVMBM,
	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
NGC	5055	CVn	M63	Galaxy SA(rs)bc	VB,L,PME120,V SMBMBN
	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
NGC	5061	Hya	H138-1	Galaxy E0	VB,S,R,V SMBM,*10F
	12"	11mmT6	PF,PS,R,BNUC,R=G		
NGC	5078	Hya	H566-2	Galaxy SA(s)a: sp	PB,PS,CE,PSBM,*7,8F
	12"	11mmT6	CF,PS,OVAL,MEXT,UB,NND,R=F		
NGC	5194	CVn	M51	Galaxy SA(s)bc pec	GREAT SPIRAL NEBULA
	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
NGC	5204	UMa	H63-4	Galaxy SA(s)m	PB,CL,IR,GMBM,R
	12"	11mmT6	PF,PS,OVAL,UB,NND,R=F		
NGC	5236	Hya	M83	Galaxy SAB(s)c	VB,VL,E55,ESBMN,SPIR
	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
NGC	5272	CVn	M3	Globular	GCL,EB,VL,V SMBM,*11.
	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
NGC	5308	UMa	H255-1	Galaxy S0- sp	B,PL,ME57,PSMBEN
	12"	11mmT6	PF,CS,EON,FNUC,R=G		
NGC	5430	UMa	H827-2	Galaxy SB(s)b	PB,S,IE,MBM
	12"	11mmT6	CF,CS,OVAL,MEXT,UB,NND,R=F		
NGC	5443	UMa	H799-2	Galaxy SB(s)b?	PF,L,E
	12"	11mmT6	VF,CS,OVAL,PEXT,UB,NND,AV,R=F		
NGC	5447	UMa	H787-3	Knot in Galaxy	PB,S,R,GMBM,CONNM101
	12"	11mmT6	BRIGHT SPOT SW SIDE OF - KNOT IN GALAXY		
NGC	5448	UMa	H691-2	Galaxy (R)SAB(r)a	PB,CL,VME90,SMBMN
	12"	11mmT6	VF,CS,OVAL,MEXT,UB,NND,R=F		
NGC	5457	UMa	M101	Galaxy SAB(rs)cd	PB,VL,IR,G,V SMBMBSN 4
	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
NGC	5462	UMa	H789-3	Knot in Galaxy	PB,PL,IR,GBM,CONM101
	12"	11mmT6	BRIGHT SPOT SE SIDE - KNOT IN GALAXY		
NGC	5585	UMa	H235-1	Galaxy SAB(s)d	PF,L,IR,VGMBM,R
	12"	11mmT6	CF,PS,OVAL,MEXT,UB,NND,R=F		
NGC	5866	Dra	M102 H215-1	Galaxy SA0+ sp	VB,CL,PME146,GBM
	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
NGC	5904	Ser	M5	Globular	GCL,VB,L,ECM,*11..15
	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
NGC	6093	Sco	M80	Globular	GCL,VB,L,VMBM(VAR*)
	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		

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NGC 6121 12"	Sco 17mmAT	M4 M.M. 2011 - MANUAL SETTING CIRCLES	Globular	CL,8OR10B*LINE,RRR
NGC 6171 12"	Oph 17mmAT	M107 H40-6 M.M. 2011 - MANUAL SETTING CIRCLES	Globular	GCL,L,VRI,VMC,R,RRR
NGC 6205 12"	Her 17mmAT	M13 M.M. 2011 - MANUAL SETTING CIRCLES	Globular	GCL,EB,VRI,VGECM,*11
NGC 6218 12"	Oph 17mmAT	M12 M.M. 2011 - MANUAL SETTING CIRCLES	Globular	GCL,VB,VL,IR,GMBM
NGC 6254 12"	Oph 17mmAT	M10 M.M. 2011 - MANUAL SETTING CIRCLES	Globular	GCL,B,VL,R,GVMBM,RRR
NGC 6266 12"	Oph 17mmAT	M62 M.M. 2011 - MANUAL SETTING CIRCLES	Globular	GCL,VB,L,GMBM,RRR,
NGC 6273 12"	Oph 17mmAT	M19 M.M. 2011 - MANUAL SETTING CIRCLES	Globular	GCL,VB,L,R,VCM,RRR
NGC 6333 12"	Oph 17mmAT	M9 M.M. 2011 - MANUAL SETTING CIRCLES	Globular	GCL,B,L,R,ECM,RRR,
NGC 6341 12"	Her 17mmAT	M92 M.M. 2011 - MANUAL SETTING CIRCLES	Globular	GCL,VB,VL,ECM,ST S
NGC 6402 12"	Oph 17mmAT	M14 M.M. 2011 - MANUAL SETTING CIRCLES	Globular	GCL,B,VL,R,ERI,VGMBM
NGC 6405 12"	Sco 17mmAT	M6 M.M. 2011 - MANUAL SETTING CIRCLES	Open Cluster 5.5 II 3 r	CL,L,IR,LC,ST7,10...
NGC 6475 12"	Sco 17mmAT	M7 M.M. 2011 - MANUAL SETTING CIRCLES	Open Cluster 7.0 I 3 r	CL,VB,PRI,LC,*7...12
NGC 6494 12"	Sgr 17mmAT	M23 M.M. 2011 - MANUAL SETTING CIRCLES	Open Cluster 10.0 II 2 r	CL,B,VL,PRI,LC,*10..
NGC 6514 12"	Sgr 17mmAT	M20 H41-4 M.M. 2011 - MANUAL SETTING CIRCLES	Nebula EN+OC	VB,VL,TRIFID,D*INV
NGC 6523 12"	Sgr 17mmAT	M8 M.M. 2011 - MANUAL SETTING CIRCLES	Nebula E	VB,EL,EIF,W/LCL
NGC 6531 12"	Sgr 17mmAT	M21 M.M. 2011 - MANUAL SETTING CIRCLES	Open Cluster 8.0 I 3 r	CL,PRI,LC,ST9...12
NGC 6603 12"	Sgr 17mmAT	M24 M.M. 2011 - MANUAL SETTING CIRCLES	Open Cluster 14.0 I 2	CL,VRI,VMC,R,M WAY
NGC 6611 12"	Ser 17mmAT	M16 M.M. 2011 - MANUAL SETTING CIRCLES	Open Cluster 11.0 II 3 m n	CL,ATLEAST100* L\$\$
NGC 6613 12"	Sgr 17mmAT	M18 M.M. 2011 - MANUAL SETTING CIRCLES	Open Cluster 8.7 II 3 p n	CL,P,VLC

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NGC 6618 12"	Sgr 17mmAT	M17 M.M. 2011 -	Nebula EN+OC MANUAL SETTING CIRCLES	B,EL,EIF,2HOOKED
NGC 6626 12"	Sgr 17mmAT	M28 M.M. 2011 -	Globular MANUAL SETTING CIRCLES	GCL,VB,L,R,GECM,RRR
NGC 6637 12"	Sgr 17mmAT	M69 M.M. 2011 -	Globular MANUAL SETTING CIRCLES	GCL,B,L,R,RRR,*14.16
NGC 6656 12"	Sgr 17mmAT	M22 M.M. 2011 -	Globular MANUAL SETTING CIRCLES	GCL,VB,VL,R,VRI,VMC
NGC 6681 12"	Sgr 17mmAT	M70 M.M. 2011 -	Globular MANUAL SETTING CIRCLES	GCL,B,PL,R,GBM,
NGC 6694 12"	Sct 17mmAT	M26 M.M. 2011 -	Open Cluster 11.0 II 3 m MANUAL SETTING CIRCLES	CL,CL,PRI,PC,ST12.15
NGC 6705 12"	Sct 17mmAT	M11 M.M. 2011 -	Open Cluster 11.0 I 2 r MANUAL SETTING CIRCLES	CL,VB,L,IR,RI,*9,
NGC 6720 12"	Lyr 17mmAT	M57 M.M. 2011 -	Planetary Neb 4+3 MANUAL SETTING CIRCLES	RINGNEB,B,PL,CE,LYRA
NGC 6779 12"	Lyr 17mmAT	M56 M.M. 2011 -	Globular MANUAL SETTING CIRCLES	GCL,B,L,IR,GVMCM,RRR
NGC 6838 12"	Sge 17mmAT	M71 M.M. 2011 -	Globular MANUAL SETTING CIRCLES	CL,VL,VRI,PMC,*11.16
NGC 6853 12"	Vul 17mmAT	M27 M.M. 2011 -	Planetary Neb 3+2 MANUAL SETTING CIRCLES	VB,VL,BIN,IE,DUMBEL
NGC 6913 12"	Cyg 17mmAT	M29 M.M. 2011 -	Open Cluster 9.0 II 3 m n MANUAL SETTING CIRCLES	CL,P,LC,STL\$\$
NGC 7092 12"	Cyg 17mmAT	M39 M.M. 2011 -	Open Cluster 7.0 III 2 m MANUAL SETTING CIRCLES	CL,VL,VP,VLC,*7...10
NGC 7654 12"	Cas 17mmAT	M52 M.M. 2011 -	Open Cluster 11.0 II 2 r MANUAL SETTING CIRCLES	CL,L,RI,MCM,R,*9..13
WINN 4 12"	UMa 17mmAT	M40 M.M. 2011 -	Unknown STAR MANUAL SETTING CIRCLES	

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NGC	12	Psc	H868-3	Galaxy SAB(rs)c:	EF,PL,VGLBM
	12"	7mm TV	VF,CS,R,UB,NND,R=F,AV2		
NGC	36	Psc	H456-3	Galaxy SAB(rs)b	VF,PS,IF
	12"	7mm TV	CF,CS,OVAL,UB,NND,R=F,PA=40		
NGC	95	Psc	H257-2	Galaxy SAB(rs)c pec	F,PL,R,GBM
	12"	7mm TV	PF,PS,OVAL,PEXT,FNUC,R=F		
NGC	132	Cet	H855-2	Galaxy SAB(s)bc	PF,CL,R,VGLBM,R
	12"	7mm TV	PF,PS,OVAL,UB,NND,R=F,PA=30		
NGC	154	Cet	H467-3	Galaxy E	EF,VS,R
	12"	7mm TV	CF,CS,OVAL,MEXT,UB,NND,R=F		
NGC	163	Cet	H954-3	Galaxy E0	VF,VS
	12"	7mm TV	CF,CS,R,FNUC,R=F		
NGC	165	Cet		Galaxy SB(rs)bc	F,L,*INCENTRE,F OF 2
	12"	7mm TV	DIFF,CF,PS,R,NND,R=F		
NGC	173	Cet	H871-3	Galaxy SA(rs)c	VF,S,R,VGBM,*11SP1'
	12"	5.5mmN	CF,PS,OVAL,UB,NND,R=F,PA=100		
NGC	180	Psc	H876-3	Galaxy SB(rs)bc	VF,PL,IR,*NP INV
	12"	7mm TV	DIFF,CF,PS,OVAL,UB,NND,R=F		
NGC	191	Cet	H479-2	Galaxy SAB(rs)c: pec	PB,PL,IE0,
	12"	7mm TV	CF,CS,R,UB,NND,R=F		
NGC	192	Cet	H872-3	Galaxy (R')SB(r)a:	F,PS,PME,BM
	12"	7mm TV	PF,PS,EON,FNUC,R=F,PA=175		
NGC	196	Cet	H860-2	Galaxy SB0 pec:	F,PS,R,PSMBM
	12"	7mm TV	CF,PS,OVAL,UB,NND,R=F		
NGC	201	Cet	H873-3	Galaxy SAB(r)c	VF,CL,E,VGLBM
	12"	7mm TV	CF,PS,OVAL,UB,NND,R=F,AV1		
NGC	216	Cet	H244-3	Galaxy S0^? sp	EF,VS,LE
	12"	7mm TV	PF,CS,EON,UB,NND,R=F,PA=45		
NGC	227	Cet	H444-2	Galaxy S0- pec:	F,PL,LBM
	12"	5.5mmN	DIFF,VF,PS,OVAL,UB,NND,R=F,AV3		
NGC	234	Psc	H245-2	Galaxy SAB(rs)c	F,PS,ILE,BM
	12"	7mm TV	DIFF,VF,CS,R,UB,NND,R=F,AV2		
NGC	244	Cet	H485-3	Galaxy S0 pec?	VF,S,IR,R,*10S5'
	12"	7mm TV	PF,CS,OVAL,FNUC,R=F,PA=45		
NGC	245	Cet	H445-2	Galaxy SA(rs)b pec?	F,PS,IF,ER
	12"	7mm TV	PF,PS,OVAL,FNUC,R=F,PA=125		
NGC	246	Psc	H25-5	Planetary Neb 3b	VF,L,4*IN DIF NEB
	12"	7mm TV	PF,PS,R=F,IRREGULAR SHAPE, NO CENTRAL STAR, OIII HELPS		

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NGC 251 12"	Psc 7mm TV	H204-3 DIFF,CF,CS,OVAL,UB,NND,R=F	Galaxy Sc	VF,S,R,LBM,*INV,2S*F
NGC 255 12"	Cet 7mm TV	H472-2 PF,PS,R,FNUC,R=F	Galaxy SAB(rs)bc	F,PS,R,GBM
NGC 257 12"	Psc 7mm TV	H863-2 PF,PS,OVAL,UB,NND,R=F	Galaxy Scd:	PL,LE,GBM,R
NGC 259 12"	Cet 7mm TV	H621-2 CF,CS,EON,UB,NND,R=F,AV1,PA=160	Galaxy Sbc: sp	F,S,E135,LBM
NGC 268 12"	Cet 7mm TV	H463-3 PF,CS,OVAL,UB,NND,R=F,PA=35	Galaxy SB(s)bc:	VF,PS,ILE,R
NGC 270 12"	Cet 7mm TV	H955-3 PF,PS,OVAL,FNUC,R=F,PA=15	Galaxy S0+	PF,VS,IR,PGBM
NGC 271 12"	Cet 7mm TV	H446-2 CF,CS,OVAL,UB,NND,R=F,AV1	Galaxy (R')SB(rs)ab	PF,S,LE,PSBM,*8F5S
NGC 274 12"	Cet 7mm TV	H429-3 PF,PS,R,FNUC,R=F,PAIRED W/NGC-275	Galaxy SAB(r)0- pec	PB,PS,SMBM,NP OF2
NGC 275 12"	Cet 7mm TV	H429-3 PF,PS,OVAL,UB,NND,R=F,PAIRED W/NGC-274	Galaxy SB(rs)cd pec	VF,S,R,SF OF 2
NGC 7538 12"	Cep 11mmT6	H706-2 PF,PS,R=F,HINT OF NEBULOSITY, OIII FILTER	Nebula E	VF,L,2PB*INV

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IC	179	And	Galaxy E	
	12"	5.5mmN	PF,PS,OVAL,UB,NND,R=F	
NGC	80	And	Galaxy SA0-:	F,S,R,PSBM
	12"	5.5mmN	VF,CS,R,UB,NND,AV2,R=F	
NGC	91	And	Galaxy S	VF,VS,*13SP
	12"	5.5mmN	VF,CS,EON,UB,NND,AV3,R=F	
NGC	93	And	Galaxy S?	VF,VS
	12"	5.5mmN	VF,CS,OVAL,UB,NND,AV2,R=F	
NGC	272	And	Open Cluster 9.0 asterism	CL,L,LC
	12"	5.5mmN	PF,VS,R=F,FISHHOOK	
NGC	425	And	Galaxy S?	VF,VS,R,LBM,*11ATT
	12"	5.5mmN	VF,CS,R,UB,NND,AV1,R=F	
NGC	523	And	H170-3 Galaxy Pec	DNEB,VF,VS,DIST30"
	12"	5.5mmN	CF,CS,EON,UB,NND,AV1,R=F	
NGC	590	And	Galaxy SBa	F,VS,(RR)
	12"	5.5mmN	CF,PS,OVAL,PEXT,UB,NND,R=F,PA=30	
NGC	591	And	Galaxy (R')SB0/a	EF,PS,R,LBM,B*SF
	12"	5.5mmN	PF,CS,R,UB,NND,R=F	
NGC	759	And	Galaxy E	CL,VS,R
	12"	5.5mmN	CF,CS,R,NND,AV1,R=F	
NGC	834	And	H567-3 Galaxy S?	VF,S,LE
	12"	5.5mmN	PF,PS,OVAL,UB,NND,R=F,PA=90	
NGC	847	And	Galaxy SB(rs)ab	VF,PL,R
	12"	5.5mmN	CF,CS,R,UB,NND,R=F	
NGC	898	And	H570-3 Galaxy Sab sp	EF,VS,LE
	12"	5.5mmN	PF,PS,EON,FNUC,R=F,PA=45	
NGC	906	And	Galaxy SBab	EF,IE,
	12"	5.5mmN	CF,PS,R,UB,NND,R=F	
NGC	914	And	Galaxy SA(s)c	EF,PL,DIF
	12"	5.5mmN	VF,PS,OVAL,NND,R=F	
NGC	980	And	H572-3 Galaxy S0	VF,PS,SP OF 2
	12"	5.5mmN	CF,PS,OVAL,MEXT,UB,NND,R=F,PA=180	
NGC	982	And	H573-3 Galaxy Sa	F,S,NF OF 2
	12"	5.5mmN	PF,PS,OVAL,PEXT,UB,NND,R=F,PA=15	
NGC	1045	Cet	H488-2 Galaxy SA0- pec?	F,S,R,BM
	12"	11mmT6	CF,PS,EON,FNUC,R=F,PA=115	
NGC	1114	Eri	H449-3 Galaxy SA(r)c	PF,PL,PME,GLBM
	12"	5.5mmN	VF,CS,PEXT,UB,NND,R=F,PA=100	

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NGC 1162 12"	Eri 5.5mmN	H469-3 VF,CS,OVAL,UB,NND,AV2,R=F	Galaxy E:	F,R,GLBM,STELLAR
NGC 1209 12"	Eri 7mm TV	H504-2 PF,PS,OVAL,PEXT,FNUC,MSB,R=F	Galaxy E6:	B,S,CE,PSBM
NGC 1325 12"	Eri 7mm TV	H77-4 PF,PS,EON,BNUC,MSB,R=G,PA=160	Galaxy SA(s)bc	F,ME239,COM,*9.5ATT
NGC 1332 12"	Eri 11mmT6	H60-1 PF,PS,EON,LFNUC,MSB,R=G,PA=170	Galaxy S(s)0-: sp	VB,S,E114,SMBMN
NGC 1353 12"	Eri 11mmT6	H246-3 PF,PS,OVAL,MEXT,UB,HSB,R=G	Galaxy SB(rs)b:	PB,CL,IE,MBM
NGC 1400 12"	Eri 11mmT6	H593-2 PF,CS,R,BNUC,R=G	Galaxy SA0-	CB,PS,R,PSMBM
NGC 1402 12"	Eri 5.5mmN	Galaxy SB0^ pec: VF,VS,R,UB,NND.AV1,R=F		EF,VS,R
NGC 1407 12"	Eri 11mmT6	H107-1 PF,PS,R,BNUC,R=G	Galaxy E0	VB,L,R,SVMBMN
NGC 1421 12"	Eri 11mmT6	H291-2 PF,PS,OVAL,UB,NND,R=G,PA=40	Galaxy SAB(rs)bc:	F,CL,ME0,R
NGC 1507 12"	Eri 11mmT6	H279-2 PF,PS,EON,UB,NND,R=F	Galaxy SB(s)m pec?	VF,PL,ME,VLBM,ER
NGC 1600 12"	Eri 11mmT6	H158-1 PF,LPS,R,FNUC,MSB,R=F	Galaxy E3	PB,PL,R,GMBM
NGC 1618 12"	Eri 11mmT6	H524-2 CF,PS,EON,UB,NND.R=F	Galaxy SB(r)b:	F,S,IF,LBM,2*SF
NGC 1622 12"	Eri 11mmT6	Galaxy SAB(r)ab: PF,PS,EON,UB,NND.R=F		VF,S,*20P5S,1618P
NGC 1637 12"	Eri 11mmT6	H122-1 PF,PS,OVAL,UB,NND,R=F	Galaxy SAB(rs)c	CB,L,R,VGBM

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IC	1433	Aqr	Galaxy S
	31"	17mmT4	CF,PS,OVAL,UB,FNUC,R=F
IC	5258	Peg	Galaxy S0-:
	31"	17mmT4	F,PS,OVAL,MEXT,BNUC,R=G,TRIANGULAR AST. TO NORTH
IC	5274	Peg	Galaxy S0:
	31"	17mmT4	PF,PS,R,FNUC,R=G
IC	5276	Peg	Galaxy S
	31"	17mmT4	CF,CS,OVAL,MEXT,UB,NND,R=F
IC	5293	Peg	Galaxy
	31"	17mmT4	PF,CS,OVAL,UB,NND,R=F
IC	5295	Peg	Galaxy
	31"	17mmT4	CF,ES,OVAL,UB,NND,R=F
IC	5296	Peg	Galaxy SBb
	31"	17mmT4	DIFF,VF,CS,R,UB,NND,R=F
IC	5297	Peg	Galaxy C
	31"	17mmT4	PF,ES,OVAL,FNUC,R=F
IC	5298	Peg	Galaxy S?
	31"	17mmT4	PF,PS,R,UB,NND,R=F
IC	5315	Peg	Galaxy E?
	31"	17mmT4	PF,ES,R,FNUC,HSB,R=G
MAC	2243+3001	Peg	Galaxy
	31"	17mmT4	VF,VS,OVAL,UB,NND,R=F,AV4
MAC	2255+1910	Peg	Galaxy
	31"	17mmT4	VF,ES,OVAL,UB,NND,R=F,AV1
MAC	2256+1747	Peg	Galaxy
	31"	17mmT4	VF,VS,OVAL,UB,NND,R=F,AV2
MAC	2259+1755	Peg	Galaxy
	31"	17mmT4	VF,ES,OVAL,UB,NND,R=F
MAC	2259+1757	Peg	Galaxy
	31"	17mmT4	VF,VS,R,UB,NND,R=F
MAC	2300+1850	Peg	Galaxy
	31"	17mmT4	VF,VS,R,UB,NND,R=F,AV1
MAC	2300+1903	Peg	Galaxy
	31"	17mmT4	CF,VS,R,UB,NND,R=F,AV1
MAC	2301+1842	Peg	Galaxy
	31"	17mmT4	VF,VS,R,UB,NND,R=F,AV1
MAC	2301+1852	Peg	Galaxy
	31"	17mmT4	CF,CS,R,UB,NND,R=F

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MAC	2315+2540	Peg	Galaxy	
	31"	17mmT4	CF,VS,R,UB,NND,R=F	
MAC	2315+2540	Peg	Galaxy	
	31"	17mmT4	CF,ES,R,UB,NND,R=F	
MAC	2316+2537	Peg	Galaxy	
	31"	17mmT4	VF,EES,OVAL,UB,NND,R=F	
MAC	2321+2551	Peg	Galaxy	
	31"	17mmT4	CF,ES,OVAL,UB,NND,R=F	
NGC	7356	Peg	Galaxy Sbc	EF,PS,R,GLBM,*ATT
	31"	17mmT4	PF,PS,OVAL,MEXT,FNUC,R=G	
NGC	7357	Peg	Galaxy Sb	VF,VS,VF*INV
	31"	17mmT4	PF,PS,OVAL,MEXT,FNUC,R=F,STAR AT NE TIP	
NGC	7463	Peg	H210-3 Galaxy SABb: pec	VF,S,LE,P OF 2
	31"	17mmT4	PF,S,EON,UB,HSB,R=G	
NGC	7464	Peg	Galaxy E1 pec:	VF,VS,E,SF7463
	31"	17mmT4	PF,PS,R,NND,USB,R=F	
NGC	7465	Peg	H211-3 Galaxy (R')SB(s)0^:	VF,VS,FOF 2
	31"	17mmT4	F,S,R,BNUC,R=G	
NGC	7527	Peg	Galaxy E	VF,VS,STELLAR
	31"	17mmT4	PF,CS,OVAL,UB,HSB,R=F	
NGC	7548	Peg	Galaxy (R)SAB(r)0^:	VF,VS,*16P11S
	31"	17mmT4	PF,VS,R,FNUC,R=F	
NGC	7628	Peg	Galaxy E	VF,S,R,BM
	31"	17mmT4	F,PS,R,FNUC,HSB,R=G	
PGC	65927	Aqr	Galaxy	
	31"	17mmT4	VF,VS,OVAL,UB,NND,R=F,AV3	
PGC	69559	Peg	Galaxy Sb	
	31"	17mmT4	PF,PS,OVAL,UB,NND,R=F	
PGC	69986	Peg	Galaxy	
	31"	17mmT4	CF,ES,R,UB,NND,R=F	
PGC	70001	Peg	Galaxy	
	31"	17mmT4	PF,ES,R,UB,NND,R=F,STAR AT NNW EDGE	
PGC	70019	Peg	Galaxy	
	31"	17mmT4	PF,ES,R,FNUC,R=F	
PGC	70022	Peg	Galaxy	
	31"	17mmT4	CF,ES,R,UB,NND,R=F	
PGC	70023	Peg	Galaxy Sb	
	31"	17mmT4	PF,ES,R,UB,NND,R=P,STAR AT SW EDGE	

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PGC	70054	Peg	Galaxy Sc
	31"	17mmT4	CF,VS,R,UB,NND,R=F
PGC	70055	Peg	Galaxy
	31"	17mmT4	PF,ES,R,UB,NND,R=F
PGC	70063	Peg	Galaxy SB?
	31"	17mmT4	CF,VS,OVAL,PEXT,UB,NND,R=F,STAR AT SSE EDGE
PGC	70064	Peg	Galaxy Sa
	31"	17mmT4	PF,PS,EON,FNUC,MSB,R=G,FAINT BULGE DETECTED
PGC	70190	Peg	Galaxy
	31"	17mmT4	PF,VS,R,FNUC,R=G
PGC	70200	Peg	Galaxy
	31"	17mmT4	CF,CS,OVAL,UB,R=F
PGC	70210	Peg	Galaxy
	31"	17mmT4	PF,VS,R,FNUC,,R=F
PGC	70228	Peg	Galaxy Sc
	31"	17mmT4	VF,CS,OVAL,PET,UB,NND,R=F,AV2
PGC	70307	Peg	Galaxy Sb-c
	31"	17mmT4	VF,VS,EON,NND,R=F,AV4
PGC	71092	Peg	Galaxy S0
	31"	17mmT4	PF,CS,OVAL,FNUC,R=G,PA=170, 8TH MAG STAR AT WEST EDGE
PGC	71094	Peg	Galaxy Sc-Irr
	31"	17mmT4	VF,VS,OVAL,UB,NND,R=F,AV4
PGC	71101	Peg	Galaxy
	31"	17mmT4	PF,CS,OVAL,FNUC,R=F
PGC	71119	Peg	Galaxy S?
	31"	17mmT4	CF,VS,OVAL,UB,NND,R=F
PGC	71156	Peg	Galaxy
	31"	17mmT4	CF,ES,R,UB,NND,R=F

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IC	1438	Aqr	Galaxy (R')SAB(rs)a:	
	12"	5.5mmN	DIFF,CF,PS,R,UB,NND,R=F	
IC	1590	Cas	Open Cluster 9.0 n	
	12"	11mmT6	R=F, SMALL GROUP SOME NEBULOSITY	
IC	1747	Cas	Planetary Neb 3b	
	12"	7mm TV	VF,VS,R=P. STELLAR	
NGC	24	Scl	H461-3 Galaxy SA(s)c	VF,CL,ME,GBM
	12"	11mmT6	PF,PS,EON,UB,NND,R=F,PA=80. 13TH MAG. STR AT WEST END.	
NGC	1077	Per	Non-Existent	VF,PL,E
	12"	5.5mmN	VF,CS,OVAL,NND,AV4,R=F	
NGC	1087	Cet	H466-2 Galaxy SAB(rs)c	PB,CL,LE,MBM
	12"	5.5mmN	PF,PS,OVAL,UB,NND,R=F,PA=80	
NGC	1090	Cet	H465-2 Galaxy SB(rs)bc	VF,PL,IR,BM
	12"	5.5mmN	DIFF,PF,PS,EON,UB,NND,AV,R=F,PA=170	
NGC	1138	Per	H580-3 Galaxy SB0	VF,VS,R,GBM,2S* TRI
	12"	5.5mmN	PF,PS,R,UB,NND,R=F. STAR IN FRONT.	
NGC	1164	Per	Galaxy (R')SAB(s)ab	EF,VS
	12"	5.5mmN	CF,PS,OVAL,UB,NND,R=F,AV3	
NGC	1226	Per	Galaxy E	F,VS,R,BM
	12"	5.5mmN	CF,PS,R,UB,NND,R=F,AV1	
NGC	1250	Per	Galaxy S0^: sp	VF,VS,R
	12"	5.5mmN	CF,PS,EON,UB,NND,R=F	
NGC	1260	Per	Galaxy S0/a: sp	VF,S,R
	12"	5.5mmN	PF,CS,OVAL,UB,NND,R=F,PA=160	
NGC	1343	Cas	H694-3 Galaxy SAB(s)b: pec	F,VS,IR,GBM,D*V NR
	12"	5.5mmN	PF,CS,OVAL,MEXT,UB,NND,R=F. TWO STARS AT WEST EDGE.	
NGC	1491	Per	H258-1 Nebula E	VB,S,IF,BM,R,*INV
	12"	11mmT6	PF,S,R=G,UHC FILTER,IRREGULAR IN SHAPE	
NGC	1579	Per	H217-1 Nebula R	PB,VL,IR,MBM,*8 2'NF
	12"	11mmT6	PF,PS,R=F. FILTER NO HELP	
NGC	1605	Per	H26-6 Open Cluster 12.5 Ill 1 m	CL,VF,PS,C,ST ES
	12"	11mmT6	PF,PS,R=F	
NGC	1624	Per	H49-5 Open Cluster II 1 p n	F,CL,IF,60R7*+NEB
	12"	11mmT6	PF,PS,R=F, BETTER GROUP	
NGC	7256	Aqr	Galaxy SBb	3F* IN F NEB
	12"	5.5mmN	VF,VS,OVAL,PEXT,UB,NND,R=F,PA=170	
NGC	7365	Aqr	Galaxy SA(rs)0-:	VF,ES,R,GBMN,*11NF4'
	12"	5.5mmN	PF,VS,OVAL,UB,NND,R=F	

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NGC	7443	Aqr	H450-2	Galaxy SB(s)0+: sp	F,VS,VLE,SMBM,ER,N-2
	12"	5.5mmN	PF,PS,OVAL,PEXT,FNUC,R=F,PA=90.	PAIRED WITH NGC-7444	
NGC	7444	Aqr	H451-2	Galaxy SB(r)0^? sp	F,VS,VLE,SMBM,ER,S-2
	12"	5.5mmN	CF,PS,OVAL,PEXT,FNUC,R=F,PA=45.	PAIRED WITH NGC-7443	
NGC	7596	Aqr		Galaxy S0	VF,PS,LE0,LBMN
	12"	5.5mmN	PF,CS,OVAL,PEXT,FNUC,R=F,PA=30		
PGC	12254	Per		Galaxy	
	12"	11mmT6	CF,CS,OVAL,UB,NND,R=F,AV2		

Observations Listing by Date

October 7, 2010		Hidden Hollow - RAS			
IC	1907	Per	Galaxy E?		
	12"	5.5mmN	CF,CS,R,UB,NND,R=F,AV-1		
NGC	137	Psc	H471-2 Galaxy S0		F,IF,LBM
	12"	5.5mmN	PF,CS,,R,UB,NND,R=F		
NGC	182	Psc	H870-3 Galaxy (R')SAB(rs)a p:		VF,S,IR,VGBM
	12"	5.5mmN	VF,VS,OVAL,UB,NND,R=F,AV-5,PA=100		
NGC	281	Cas	Nebula E		F,VL,DIF,STRIP*NP
	12"	17mmAT	F,L,R=G,OIII FILTER, PAC MAN		
NGC	561	And	Galaxy (R)SB(s)a		EF,PL,R
	12"	5.5mmN	CF,PS,R,UB,NND,R=F		
NGC	605	And	Galaxy S0		VF,VS,R,BM
	12"	5.5mmN	CF,PS,OVAL,MEXT,UB,NND,R=F,PA=10		
NGC	620	And	Galaxy Pec		EF,VS,R,LBM
	12"	5.5mmN	CF,PS,R,UB,NND,R=F,AV-1		
NGC	668	And	Galaxy Sb		PF,PS,R,GBM
	12"	5.5mmN	CF,PS,OVAL,MEXT,UB,NND,R=F,PA=70		
NGC	679	And	H175-3 Galaxy S0-:		F,STELLAR
	12"	5.5mmN	PF,PS,R,FNUC,R=F		
NGC	687	And	H561-3 Galaxy S0		VF,STELLAR
	12"	7mm TV	CF,PS,R,UB,NND,R=F		
NGC	703	And	H562-3 Galaxy S0-:		VF,VS,R,1ST OF 4
	12"	7mm TV	CF,PS,OVAL,NND,R=F,PA=90		
NGC	704	And	H563-3 Galaxy S0		VF,VS,R,2ND OF 4
	12"	7mm TV	CF,CS,R,UB,NND,R=F		
NGC	708	And	H565-3 Galaxy E		F,PL,BM,4TH OF 4
	12"	7mm TV	PF,PS,R,NND,R=F		
NGC	710	And	Galaxy Scd:		VF,PS,2*S
	12"	5.5mmN	VF,PS,OVAL,UB,NND,R=F,AV-3,PA=115		
NGC	712	And	Galaxy S0		VF,R,AM PB ST
	12"	5.5mmN	CF,PS,OVAL,UB,NND,R=F,PA=95		
NGC	714	And	Galaxy S0/a		F,VS,R,2*13P\$NP
	12"	5.5mmN	PF,CS,EON,UB,NND,R=F,PA=170		
NGC	717	And	Galaxy S0/a		VF,PS,*15SF1'
	12"	5.5mmN	PF,CS,EON,UB,NND,R=F,AV-4,PA=170		
NGC	721	And	Galaxy SB(rs)bc		EF,PL
	12"	5.5mmN	VF,PS,OVAL,UB,NND,R=F,AV-5,PA=10		
NGC	732	And	Galaxy S0		VF*IN VF,VS,R,NEBY
	12"	5.5mmN	VF,PS,OVAL,UB,NND,R=F,AV-1,PA=70		

Observations Listing by Date

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NGC 746 12"	And 5.5mmN	Galaxy Im VF,PS,OVAL,MEXT,UB,NND,R=F,AV-2,PA=115	VF,PS,LE,SEV*NR
NGC 759 12"	And 5.5mmN	Galaxy E PF,PS,R,FNUC,R=F	CL,VS,R
NGC 891 12"	And 11mmT6	H19-5 Galaxy SA(s)b? sp PF,S,EON,UB,NND,R=F,PA=85	B,VL,VME22
NGC 906 12"	And 7mm TV	Galaxy SBab VF,VS,R,UB,NND,R=F,AV-4	EF,IE,
NGC 980 12"	And 7mm TV	H572-3 Galaxy S0 VF,CS,OVAL,PEXT,UB,NND,R=F,AV-2,PA=170	VF,PS,SP OF 2
NGC 982 12"	And 7mm TV	H573-3 Galaxy Sa CF,CS,OVAL,PEXT,UB,NND,R=F,PA=10	F,S,NF OF 2
NGC 1265 12"	Per 5.5mmN	Galaxy E+ CF,CS,R,UB,NND,R=F	VF,VS,MBM,
NGC 1268 12"	Per 5.5mmN	Galaxy SAB(rs)b: CF,CS,R,UB,NND,R=F	EF,S,LE,COM
NGC 1272 12"	Per 7mm TV	Galaxy E+ CF,PS,R,UB,NND,R=F	F,S,R
NGC 1275 12"	Per 7mm TV	H603-2 Galaxy Pec PF,PS,R,FNUC,R=F	F,S
NGC 1278 12"	Per 5.5mmN	Galaxy E pec: CF,CS,R,UB,NND,R=F	PB,PS,R,BM
NGC 7053 12"	Peg 7mm TV	Galaxy S? VF,VS,OVAL,UB,NND,R=F,PA=80	PB,S,VLE
NGC 7331 12"	Peg 17mmAT	H53-1 Galaxy SA(s)b F,PS,EON,BNUC,HSB,R=G,PA=10	B,PL,PME163,SMBM

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September 12, 2010 Hidden Hollow - RAS

IC	43	And	Galaxy SABc	
	12"	7mm TV	DIFF,VF,PS,R,NND,R=F	
IC	1590	Cas	Open Cluster 9.0 n	
	12"	11mmT6	PF,PS,R=P,STARS 6+ SOME ASSOCIATED NEBULOSITY	
IC	1747	Cas	Planetary Neb 3b	
	12"	5.5mmN	PF,VVS,R=P,STELLAR	
IC	5258	Peg	Galaxy S0-:	
	12"	5.5mmN	PF,PS,OVAL,MEXT,FNUC,R=F,PA=135	
NGC	76	And	Galaxy S?	VF,S,BM
	12"	7mm TV	CF,CS,OVAL,UB,NND,R=F,PA=95	
NGC	528	And	Galaxy S0	F,PL,R,LBM
	12"	5.5mmN	PF,CS,OVAL,MEXT,FNUC,R=F,PA=90	
NGC	551	And	H560-3 Galaxy SBbc	VF,S,E,VGLBM,*13NR
	12"	5.5mmN	VF,PS,EON,NND,AF,R=P,PA=175	
NGC	1343	Cas	H694-3 Galaxy SAB(s)b: pec	F,VS,IR,GBM,D*V NR
	12"	5.5mmN	CF,CS,OVAL,UB,NND,R=F,PA=110	
NGC	7302	Aqr	H31-4 Galaxy SA(s)0-:	F,PS,R,VSMSN
	12"	5.5mmN	CF,CS,OVAL,MEXT,UB,NND,R=F,PA=165	
NGC	7309	Aqr	H476-2 Galaxy SAB(rs)c	VF,PL,R,GLBM,R
	12"	5.5mmN	VF,PS,R,UB,NND,R=F	
NGC	7383	Peg	Galaxy SB0	VF,VS,R,7385NF
	12"	5.5mmN	VF,CS,R,UB,NND,AV,R=F	
NGC	7407	Peg	Galaxy Sbc	EF,VS
	12"	5.5mmN	VF,PS,OVAL,MEXT,UB,NND,AV,R=P,PA=110	
NGC	7416	Aqr	Galaxy SB(r)b	F,PL,PME,VGBM
	12"	5.5mmN	CF,CS,EON,UB,NND,R=F,PA=170	

Observations Listing by Date

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NGC	21	And		Galaxy SBb	EF,S,LE
	12"	5.5mmN	CF,PS,OVAL,MEXT,UB,NND,R=F,PA=95		
NGC	29	And	H853-2	Galaxy SAB(s)bc:	PB,PL,E0
	12"	5.5mmN	CF,PS,OVAL,PEXT,UB,NND,R=F,PA=45		
NGC	43	And		Galaxy SB0	EF,*12NP 45"
	12"	5.5mmN	PF,PS,R,FNUC,R=F		
NGC	97	And		Galaxy E:	F,VS,R,GBM
	12"	5.5mmN	PF,PS,R,FNUC,R=F		
NGC	233	And	H149-3	Galaxy E?	F,VS,R,LBM
	12"	5.5mmN	PF,PS,R,FNUC,R=F		
NGC	252	And	H609-2	Galaxy (R)SA(r)0+:	PB,S,R,PMBM,R,**P
	12"	5.5mmN	PF,PS,OVAL,FNUC,MSB,R=F,PA=130		
NGC	393	And	H54-1	Galaxy S0-:	F,VS,VLE,GBM,4S*NR
	12"	5.5mmN	PF,PS,OVAL,FNUC,MSB,R=G,PA=75		
NGC	1023	Per	H156-1	Galaxy SB(rs)0-	VB,VL,VME,VVMBM
	12"	17mmAT	B,S,EON,BNUC,R=G,PA=165		
NGC	3057	Dra	H978-3	Galaxy SB(s)dm	EF,PL,VLBM,2S* S
	12"	5.5mmN	VF,CS,OVAL,R,NND,AV,R=P		
NGC	3061	Dra	H903-2	Galaxy (R')SB(rs)c	VF,PL,RESOLVABLE
	12"	5.5mmN	VF,CS,R,NND,AV,R=F		
NGC	7549	Peg		Galaxy SB(s)cd pec	PF,PS,R,*10,11P
	12"	5.5mmN	VF,CS,EON,NND,AV,=P,PA=45		
NGC	7570	Peg	H238-3	Galaxy SBa	EF,ES
	12"	5.5mmN	VF,CS,OVAL,PEXT,NND,AV,R=F,PA=90		
NGC	7620	Peg		Galaxy Scd:	F,S,VLE
	12"	5.5mmN	PF,CS,R,FNUC,R=F		
NGC	7648	Peg	H218-3	Galaxy S0	VF,PS,LE,BM
	12"	5.5mmN	PF,PS,OVAL,MEXT,FNUC,R=F,PA=135		
NGC	7674	Peg		Galaxy SA(r)bc pec	F,CS,GBM,P OF 2
	12"	5.5mmN	CF,CS,R,UB,NND,R=F		
NGC	7677	Peg		Galaxy SAB(r)bc:	EF,VS,STELL
	12"	5.5mmN	PF,CS,OVAL,MEXT,FNUC,R=F,PA=95, 4 STAR AST TO S.W.		
NGC	7711	Peg	H244-2	Galaxy S0	F,S,R,PSBM,STELLAR
	12"	5.5mmN	PF,PS,OVAL,PEXT,FNUC,R=F,PA=170		
NGC	7712	Peg		Galaxy E?	VF
	12"	5.5mmN	CF,VS,OVAL,UB,NND,R=F,PA=10		
NGC	7722	Peg		Galaxy S0/a	PB,PL,R,MBM
	12"	5.5mmN	PF,PS,OVAL,MEXT,FNUC,R=G,PA=40		

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NGC 7775 12"	Peg 5.5mmN	Galaxy Scd: VF,CS,R,UB,NND,R=F	VF,PS,LE,GLBM
NGC 7786 12"	Peg 5.5mmN	Galaxy S? CF,VS,OVAL,UB,NND,R=F,PA=55	PF,PS,LE,VFSTINV,F-2
NGC 7794 12"	Peg 5.5mmN	H466-3 Galaxy S? CF,CS,R,UB,NND,R=F	VF,PS,IR
NGC 7800 12"	Peg 5.5mmN	H10-2 Galaxy Im? CF,PS,OVAL,MEXT,UB,NND,R=F,PA=95	F,PS,E39
NGC 7831 12"	And 5.5mmN	Galaxy Sb: sp CF,PS,EON,UB,NND,R=F,PA=90	EF,VS,ME,VF*VNR
UGC 12914 12"	Peg 5.5mmN	Galaxy PF,PS,OVAL,PEXT,UB,NND,R=F,PA=30,PAIRED W/UGC 12915	
UGC 12915 12"	Peg 5.5mmN	Galaxy CF,CS,OVAL,MET,UB,NND,R=F,PA=20,PAIRED W/UGC 12914	

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IC	1231	Dra	Galaxy Scd:	
	12"	5.5mmN	CF,CS,OVAL,MEXT,UB,NND,R=F,PA=10	
IC	4763	Dra	Galaxy S?	
	12"	5.5mmN	CF,PS,EON,UB,NND,R=F,PA=165	
NGC	6127	Dra	Non-Existent	PF,VS,R
	12"	7mm TV	PF,PS,R,FNUC,R=G	
NGC	6189	Dra	Galaxy Scd:	VF,PS,LE
	12"	7mm TV	VF,CS,OVAL,UB,NND,AV,R=F,PA=65	
NGC	6190	Dra	Galaxy Scd:	VF,PS,R,F*NR
	12"	5.5mmN	CF,CS,R,UB,NND,R=F	
NGC	6211	Dra	Galaxy SB(r)0^ pec:	VF,PS,R,SP OF 2
	12"	7mm TV	PF,PS,OVAL,FNUCC,R=F,PA=95	
NGC	6223	Dra	Galaxy Pec	F,S,R,MBM
	12"	7mm TV	PF,PS,OVAL,FNUC,R=F,PA=140	
NGC	6226	Dra	Galaxy Pec	F,S,TRIW/2*12\$14
	12"	5.5mmN	CF,VS,OVAL,UB,NND,R=F,PA=90	
NGC	6232	Dra	Galaxy (R')SB(s)a	PF,PL,LE
	12"	7mm TV	CF,PS,R,UB,NND,R=F	
NGC	6236	Dra	Galaxy SAB(s)cd	F,PL
	12"	7mm TV	VF,PS,OVAL,UB,NND,AV,R=F,PA=45	
NGC	6247	Dra	Galaxy Pec	F,PS,IF
	12"	5.5mmN	CF,CS,OVAL,MEXT,UB,NND,R=F	
NGC	6306	Dra	Galaxy SB(s)ab pec:	VF,VS,LE
	12"	5.5mmN	VF,VS,OVAL,UB,NND,AV,R=F,PA=10 PAIRED WITH NGC 6307	
NGC	6307	Dra	Galaxy (R')SB(s)0/a p	VF,VS,LE,*13NR N
	12"	5.5mmN	CF,CS,OVAL,MEXT,FNUC,R=F,PA=10 PAIRED WITH NGC 6306	
NGC	6310	Dra	Galaxy Sb: sp	F,PL,LE
	12"	5.5mmN	CF,CS,EON,UB,NND,R=F,PA=110	
NGC	6359	Dra	Galaxy SA0-:	PB,S,R,BMN=*12
	12"	5.5mmN	PF,CS,OVAL,FNUC,R=F,PA=5	
NGC	6361	Dra	Galaxy SAb: sp	VF,PS,ME,NEAR BET 2*
	12"	5.5mmN	CF,CS,EON,UB,NND,R=F,PA=95	
NGC	6381	Dra	Galaxy SA(s)c?	VF,PL,E
	12"	5.5mmN	VF,CS,OVAL,UB,NND,AV,R=P,PA=90	
NGC	6395	Dra	Galaxy Scd:	VF,PL,LE,D*N
	12"	5.5mmN	VF,CS,EON,UB,NND,AV,R=F,PA=75	
NGC	6411	Dra	Galaxy E	VS,GBM
	12"	5.5mmN	PF,PS,OVAL,MEXT,FNUC,NSB,R=G,PA=105	

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NGC 6412	Dra	H41-6	Galaxy SA(s)c	GCL,CL,R,VGBM,RR
12"	5.5mmN		DIFF,PF,PS,OVAL,NND,R=F,PA=170	
NGC 6434	Dra	H741-3	Galaxy SBbc:	VF,VS,R,STELLAR,*8S
12"	5.5mmN		PF,CS,OVAL,PEXT,NND,R=F,PA=160	
NGC 6508	Dra		Galaxy E:	VF,S,3ST NR
12"	5.5mmN		CF,PS,R,UB,NND,R=F	
NGC 6543	Dra	H37-4	Planetary Neb 3a+2	PLN,VB,PS,SBMVSN
12"	5.5mmN		PB,PS,R=G, NO CENTRAL STAR NOTED. OIII NOT MUCH HELP - NO ADDITIONAL STRUCTURE	
NGC 6677	Dra		Galaxy Compact	VF,VS,BET*VNR\$VF D*
12"	5.5mmN		PF,CS,R,UB,NNE,R=F	
NGC 6701	Dra		Galaxy (R')SB(s)a	PB,PS,ME,F*CLOSE F
12"	5.5mmN		PF,PS,OVAL,MEXT,FNUC,MSB,R=G,PA=30	
NGC 6742	Dra	H742-3	Planetary Neb 2c	VF,STELLAR
12"	5.5mmN		CF,CS,R=F. NO CENTRAL STAR NOTED. OIII ADDS NOTHING.	
NGC 6750	Dra		Galaxy Sc	VF,VS,R
12"	5.5mmN		CF,PS,OVAL,MET,UB,NND,R=F,PA=35	
NGC 6757	Dra		Galaxy SB(r)0/a	PF,ME,3F*INV
12"	5.5mmN		DIFF,CF,PS,OVAL,UB,NND,R=F,PA=105	
NGC 6786	Dra		Galaxy SB?	EEF,S,R,2ST NF
12"	5.5mmN		CF,PS,OVAL,UB,NND,R=F,PA=85	
NGC 6789	Dra		Galaxy Im	EEF,PL,R,VDIFFIC
12"	5.5mmN		VF,PS,OVAL,UB,NND,AV,R=F,PA=120	
NGC 6796	Dra		Galaxy Sbc: sp	VF,PS,ME NS
12"	5.5mmN		CF,PS,EON,UB,NND,R=F,PA=45	
NGC 7094	Peg		Planetary Neb 4	*IN EEF NEBY,VDIFFIC
28"	26mm		PF,PS,R,R=F,OII, NO CENTRAL STAR NOTED	
NGC 7293	Aqr		Planetary Neb 4+3	PF,VL,E OR BIN
12"	11mmT6		B,PS,R=G. CENTRAL STAR NOT NOTED. OIII FILTER ADDS DETAIL.	
NGC 7631	Peg		Galaxy SA(r)b:	VF,VS
12"	5.5mmN		CF,PS,EON,UB,NND,R=F,PA=40	
NGC 7634	Peg	H441-2	Galaxy SB0	F,S,F**ATT
12"	5.5mmN		CF,CS,R,UB,NND,R=P,PA=90	
NGC 7753	Peg	H213-2	Galaxy SAB(rs)bc	CF,CL,VLE,VGLBM,R
12"	7mm TV		CF,PS,OVAL,UB,NND,R=F,PA=100	

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August 31, 2010 Hidden Hollow - RAS

IC	289	Cas	Planetary Neb 4+2	
	12"	7mm TV	PF,PS,R=F. NO CENTRAL STAR NOTED.	
NGC	205	And	M110 H18-5 Galaxy E5 pec	VB,VL,ME165,VGVMBM
	12"	17mmAT	NIGHT ENDING EYE CANDY	
NGC	221	And	M32 Galaxy cE2	VVB,L,R,PSMBMN
	12"	17mmAT	NIGHT ENDING EYE CANDY	
NGC	224	And	M31 Galaxy SA(s)b	EEB,EL,VME,ANDROMEDA 17
	12"	22mmAT	NIGHT ENDING EYE CANDY	
NGC	581	Cas	M103 Open Cluster 9.0 II 2 m	CL,PL,B,R,RI,*10..11
	12"	17mmAT	NIGHT ENDING EYE CANDY	
NGC	869	Per	H33-6 Open Cluster 6.6 I 3 r	CL,VVL,VRI,*7...14
	12"	17mmAT	NIGHT ENDING EYE CANDY	
NGC	884	Per	H34-6 Open Cluster 6.4 I 3 r	CL,VL,VRI,RUBY*M
	12"	17mmAT	NIGHT ENDING EYE CANDY	
NGC	2977	Dra	H282-1 Galaxy Sb:	CB,PL,IF,
	12"	7mm TV	VF,VS,OVAL,MEXT,PATCH,NND,R=F. PA=110	
NGC	3194	Dra	H965-3 Galaxy S?	VF,VS
	12"	7mm TV	CF,VS,OVAL,MEXT,UB,NND,AV,R=P. PA=170	
NGC	3562	Dra	H337-2 Galaxy E	PF,PS,LE,GBM,*70"NP
	12"	7mm TV	CF,PS,OVAL,PATCH,NND,AV,R=F. PA=135	
NGC	3682	Dra	H262-1 Galaxy SA(s)0/a:?	CB,S,IR,SPMBMN
	12"	7mm TV	PF,CS,OVAL,MEXT,UB,NND,R=F. PA=75	
NGC	3735	Dra	H287-1 Galaxy SAc: sp	PB,L,ME130,MBM
	12"	7mm TV	CF,PS,EON,UB,NND,R=F. PA=90	
NGC	4108	Dra	Galaxy (R')SAc:	B,S,R,GBM
	12"	7mm TV	VF,CS,OVAL,NND,AV,R=F. PA=90??	
NGC	4128	Dra	H263-1 Galaxy SA0: sp	CB,LE,BM
	12"	7mm TV	PF,PS,EON,FNUC,MSB,R=G. PA=10	
NGC	4133	Dra	H278-1 Galaxy SABb:	PB,CL,R,GMBM
	12"	7mm TV	CF,PS,OVAL,EXT,UB,NND,R=F. PA=70	
NGC	4210	Dra	H850-3 Galaxy SB(r)b	PF,PS,R,VGBM
	12"	7mm TV	VF,PS,R,NND,R=F	
NGC	4221	Dra	Galaxy (R)SB(r)0+	PB,S,R,PSBM
	12"	7mm TV	PF,PS,OVAL,EXT,FNUC,R=F.	
NGC	4256	Dra	H846-2 Galaxy SA(s)b: sp	PB,L,CE38,BMBN
	12"	7mm TV	PF,PS,EON,FNUC,MSB,R=F. PA=170	
NGC	4521	Dra	H849-2 Galaxy S0/a	PB,S,PME,PGBM,*P12S
	12"	7mm TV	CF,PS,EON,UB,NND,R=G. PA=195	

Observations Listing by Date

August 31, 2010 Hidden Hollow - RAS

NGC 4605 12"	UMa 7mm TV	H254-1 DIFF,CF,PS,OVAL,UB,NND,R=F. PA=90	Galaxy SB(s)c pec	B,L,VME118,GLBM
NGC 6079 12"	UMi 7mm TV	H884-3 CF,PS,OVAL,NND,R=F. PA=90	Galaxy E	VF,VS
NGC 6853 12"	Vul 17mmAT	M27 NIGHT ENDING EYE CANDY	Planetary Neb 3+2	VB,VL,BIN,IE,DUMBDEL
NGC 6913 12"	Cyg 17mmAT	M29 NIGHT ENDING EYE CANDY	Open Cluster 9.0 II 3 m n	CL,P,LC,STL\$\$
NGC 6946 12"	Cep 7mm TV	H76-4 DIFF,PF,S,OVAL,MEXT,UB,NND,R=G. PA=180	Galaxy SAB(rs)cd	VF,VL,VG,VSBM,RR
NGC 7078 12"	Peg 17mmAT	M15 NIGHT ENDING EYE CANDY	Globular	GCL,VB,VL,IR,VSMBM
NGC 7089 12"	Aqr 17mmAT	M2 NIGHT ENDING EYE CANDY	Globular	GCL,B,VL,GPMBM,RRR

August 29, 2010 Hidden Hollow - RAS

IC 1297 12"	CrA 7mm TV	Planetary Neb PF,VS,R=F. NO CENTRAL STAR NOTED		
NGC 3329 12"	Dra 7mm TV	H284-1 CF,CS,OVAL,MEXGT,UB,NND,R=F. PA=100.	Non-Existent	PB,S,LE,PSMBM
NGC 3735 12"	Dra 7mm TV	H287-1 CF,PS,EON,UB,NND,R=F. PA=90	Galaxy SAc: sp	PB,L,ME130,MBM
NGC 4128 12"	Dra 7mm TV	H263-1 PF,PS,OVAL,PEXT,FNUC,R=F. PA=10	Galaxy SA0: sp	CB,LE,BM
NGC 6563 12"	Sgr 7mm TV	Planetary Neb 3a PF,PS,R=F. NO CENTRAL STAR NOTED		PLN,F,L,CE,HAZY EDGE
NGC 7094 12"	Peg 7mm TV	Planetary Neb 4 VF,CS,AV,R=F. NO CENTRAL STAR NOTED.		*IN EEF NEBY,VDIFFIC
NGC 7321 12"	Peg 7mm TV	H237-3 VF,CS,OVAL,UB,NND,R=F. PA=75	Galaxy SB(r)b	F,S,IR,VGVLBM

Observations Listing by Date

August 18, 2010 Hidden Hollow - RAS

HENIZ 2-438 12"	Cyg 26mm	Planetary Neb 4 PF,VS,R=F,STELLAR IN APPEARANCE,OIII FILTER	
IC 1318 12"	Cyg 26mm	Nebula E F,PL,R=G,IRREGULAR SHAPE,LARGE,OIII FILTER	
IC 5068 12"	Cyg 26mm	Nebula E PF,PL,R=P,ROUGHLY-RECTANGULAR SHAPE,DIM,OIII FILTER	
NGC 3329 12"	Dra 7mm TV	H284-1 Non-Existent CF,CS,OVAL,MEXT,UB,NND,A=F. PA=100, 2 STARS NEAR W.N.W.	PB,S,LE,PSMBM
NGC 6596 12"	Sgr 11mmT6	H55-8 Open Cluster II 2 m n PF,PS,R=F,LOOSE GROUP,NEBULOSITY NOTED IN MIDDLE	CL,LC
NGC 6724 12"	Aql 11mmT6	Open Cluster 12.0 cluster? PF,CS, R=P, TIGHT GROUP, STARS 6-8	CL
NGC 6775 12"	Aql 11mmT6	Open Cluster cluster? PF,CS,R=P,LOOSE DISTANT GROUP, STARS 8-10	CL,P,LC,ST10...11
NGC 6793 12"	Vul 11mmT6	H81-8 Open Cluster III 2 p PF,PS,R=F, STARS 10-12	CL,P,LC
NGC 6800 12"	Vul 11mmT6	H21-8 Open Cluster 10.0 IV 1 p PF,CS,R=P,STARS 8+?	CL,VL,PRI,VLC,ST10..
NGC 6858 12"	Aql 11mmT6	Open Cluster 10.0 cluster? PF,PS,R=F,LOOSE GROUP, STAR 10-15	CL,CL,E,PRI,ST13...
NGC 6914A 12"	Cyg 11mmT6	Nebula R CF,PS,R=F,FAINT HINT OF NEBULOSITY, OIII FILTER, STARS 5+	
NGC 6914B 12"	Cyg 11mmT6	Nebula R CF,PS,R=P,FAINT HINT OF NEBULOSITY,OIII FILTER STARS 2	
NGC 6950 12"	Del 11mmT6	H23-8 Open Cluster cluster? PF,PS,R=F,LOOSE,STARS 30+	CL,P,VLC
NGC 6974 12"	Cyg 11mmT6	Nebula EN CF,PS,R=P,LONG-NARROW,OIII FILTER	NEB*,NEBY CE PF
NGC 6996 12"	Cyg 11mmT6	Open Cluster 11.0 III 2 m n F,S,R=F,NICE GROUPING, STARS 20+	CL,P,LC

Observations Listing by Date

August 13, 2010 Hidden Hollow - RAS

ABELL 67 31"	Aql 17mmT4	Planetary Neb 2b VF,VS,AV,R=P. NO CENTRAL STAR NOTED.	
IC 1301 31"	Cyg 17mmT4	Galaxy Scd: CF,PS,OVAL,UB,NND,R=F	
IC 1302 31"	Cyg 17mmT4	Galaxy SAB(s)c? PF,CS,OVAL,MEXT,UB,NND,R=F	
IC 1303 31"	Cyg 17mmT4	Galaxy SAc: PF,CS,OVAL,PEXT,UB,NND,R=F	
IC 4867 31"	Cyg 17mmT4	Galaxy S0 PF,PS,OVAL,MEXT,FNUC,R=F	
NGC 6826 31"	Cyg 17mmT4	H73-4 Planetary Neb 3a+2 B,S,R=F, CENTRAL STAR OBSERVED AND NOTED	PLN,B,PL,R,*11M
NGC 6833 31"	Cyg 17mmT4	Planetary Neb 2 CF,VVS,R=F. STELLAR IN APPEARANCE	PLN,STELLAR
NGC 6846 31"	Cyg 17mmT4	Open Cluster 12.8 II 2 F,CS,R=F	EF,VS,3*INV
NGC 6852 31"	Aql 17mmT4	Planetary Neb 4 F,PS,PATCHY,R=F. NO CENTRAL STAR NOTED.	F NEB,AM ST
NGC 6881 31"	Cyg 17mmT4	Planetary Neb 2a+3 PF,VS,R=P. STELLAR IN APPEARANCE - NO CENTRAL STAR!	PLN,STELLAR
NGC 6894 31"	Cyg 17mmT4	H13-4 Planetary Neb 4+2 F,PS,R=F. OVAL PATCH - NO CENTRAL STAR NOTED	RINGNEB,F,S,VVLE
PGC 63211 31"	Cyg 17mmT4	Galaxy S CF,VS,R,UB,NND,R=F	
PGC 63912 31"	Aql 17mmT4	Galaxy SAB(rs)c CF,PS,R,UB,NND,AV,R=P	
PGC 64016 31"	Aql 17mmT4	Galaxy Sb: VF,CS,OVAL,PEXT,NND,AV,R=F	

August 12, 2010 Hidden Hollow - RAS

NGC 4133 12"	Dra 7mm TV	H278-1 Galaxy SABb: VF,VS,OVAL,MEXT,NND,AV,R=P	PB,CL,R,GMBM
NGC 4250 12"	Dra 7mm TV	H264-1 Galaxy SAB(r)0+ CF,PS,OVAL,UB,NND,R=F	PB,S,R,PGBM
NGC 5879 12"	Dra 7mm TV	H757-2 Galaxy SA(rs)bc:? PF,PS,OVAL,MEXT,UB,NND,R=F	CB,S,E,MBMRN,R
NGC 6359 12"	Dra 7mm TV	Galaxy SA0-: PF,PS,R,NND,R=F	PB,S,R,BMN=*12

Observations Listing by Date

August 6, 2010**Hidden Hollow - RAS**

NGC 3183 12"	Dra 7mm TV	H283-1 CF,CS,OVAL,UB,NND,AV,R=F	Non-Existent	F,PL,E,LBM
NGC 3329 12"	Dra 7mm TV	H284-1 VF,VS,OVAL,NND,AV,R=F	Non-Existent	PB,S,LE,PSMBM
NGC 4157 12"	UMa 7mm TV	H208-1 PF,PS,EON,UB,NND,R=F	Galaxy SAB(s)b? sp	PF,CL,VME60,(DOUBLE)
NGC 4250 12"	Dra 7mm TV	H264-1 PF,CS,OVAL,UB,NND,R=F	Galaxy SAB(r)0+	PB,S,R,PGBM
NGC 5678 12"	Dra 7mm TV	H237-1 PF,PS,OVAL,UB,MSB,R=F	Galaxy SAB(rs)b	B,L,LE0,VGMBM
NGC 5879 12"	Dra 7mm TV	H757-2 PF,PS,OVAL,VEXT,FNUC,R=G	Galaxy SA(rs)bc:?	CB,S,E,MBMRN,R
NGC 5894 12"	Dra 7mm TV	H763-2 VF,FS,PEXT,UB,NND,AV,R=F	Galaxy SBdm?	PF,PS,E0
NGC 5905 12"	Dra 7mm TV	H758-2 DIFF,PF,PS,R,UB,NND,R=F	Galaxy SB(r)b	PF,PS,IR
NGC 5908 12"	Dra 7mm TV	H760-2 PF,PS,OVAL,MEXT,UB,NND,R=F	Galaxy SA(s)b: sp	PF,PS,R
NGC 5949 12"	Dra 7mm TV	H906-2 PF,CS,OVAL,UB,NND,R=F	Galaxy SA(r)bc?	F,S,LE45,VGLBM
NGC 5963 12"	Dra 7mm TV	H761-2 PF,CS,OVAL,MEXT,UB,NND,R=F	Galaxy S pec	PF,PS,IF
NGC 5965 12"	Dra 7mm TV	H762-2 CF,CS,EON,UB,NND,R=F	Galaxy Sb	CF,CL,LE
NGC 5987 12"	Dra 7mm TV	H765-2 PF,PS,OVAL,PEXT,FNUC,MSB,R=G	Galaxy Sb	PF,CS
NGC 7317 12"	Peg 7mm TV	H765-2 VF,CS,R,NND,AV,R=F	Galaxy E4	VF,VS
NGC 7318B 12"	Peg 7mm TV	H765-2 VF,CS,R,NND,AV,R=P	Galaxy SB(s)bc pec	EF,ES
NGC 7318A 12"	Peg 7mm TV	H765-2 EF,CS,R,NND,R=P	Galaxy E2 pec	EF,ES
NGC 7319 12"	Peg 7mm TV	H765-2 CF,PS,OVAL,UB,NND,R=F	Galaxy SB(s)bc pec	EF,ES
NGC 7320 12"	Peg 7mm TV	H765-2 CF,PS,OVAL,UB,NND,R=F	Galaxy SA(s)d	F,VS
TER 9 28"	Sgr 26mm	H765-2 PF,PS,SMUDGE	Globular NO STARS RESOLVED	

Observations Listing by Date

July 14, 2010

Hidden Hollow - RAS

NGC	3516	UMa	H336-2	Galaxy (R)SB(s)0⁺:	PB,VS,IR,PSMBM*
	12"	7.5mmW	PF,CS,OVAL,FNUC,R=F		
NGC	3583	UMa	H728-2	Galaxy SB(s)b	PB,PL,R,VGMBM
	12"	7.5mmW	DIFF,CF,PS,OVAL,UB,NND,R=F		
NGC	3622	UMa	H879-2	Galaxy S?	PB,S,R,GBM
	12"	7.5mmW	VF,CS,OVAL,MEXT,UB,NND,AV,R=F		
NGC	3668	UMa	H845-2	Galaxy Sbc	F,PS,IR,GBM,*9NP
	12"	7.5mmW	VF,CS,R,UB,NND,AV,R=F		
NGC	3669	UMa	H829-2	Galaxy SBcd: sp	VF,PL,PME135,ER
	12"	7.5mmW	VF,CS,EON,UB,NND,AV,R=P		
NGC	4291	Dra	H275-1	Galaxy E	PB,VS,R,LBM,3*F
	12"	7.5mmW	PF,CS,OVAL,FNUC,MSB,R=F		
NGC	4319	Dra	H276-1	Galaxy SB(r)ab	PB,PS,VLE,SBM
	12"	7.5mmW	CF,PS,R,UB,LSB,R=F		
NGC	4332	Dra	H847-2	Galaxy SB(s)a	PF,S,VLE,VGBM
	12"	7.5mmW	CF,PS,OVAL,UB,NND,R=F		
NGC	4386	Dra	H277-1	Galaxy SAB0⁺:	PB,CL,LE,PSMBM
	12"	7.5mmW	PF,CS,OVAL,MEXT,FNUC,R=F		
NGC	4391	Dra	H852-3	Galaxy SA0-:	CF,S,R,SBM,***SP
	12"	7.5mmW	CF,VS,R,UB,NND,R=F		
NGC	4441	Dra	H848-2	Galaxy SAB0+ pec	PB,S,IR,BM
	12"	7.5mmW	VF,PS,R,NND,AV,R=P		
NGC	4512	Dra		Galaxy SB(s)dm	PB,S,R,PSBM
	12"	7.5mmW	VF,CS,OVAL,UB,NND,AV,R=P		
NGC	6153	Sco		Planetary Neb 4	PLN,STELLAR
	12"	7.5mmW	PF,CS,R,R=F, NO CENTRAL STAR OBSERVED.		

Observations Listing by Date

July 6, 2010

Hidden Hollow - RAS

IC	4501	Lib	Galaxy SB(s)dm	
	12"	7.5mmW	VF,VS,OVAL,UB,NND,R=F	
NGC	5809	Lib	Galaxy S0/a: sp	VF,S,E,GLBM
	12"	7.5mmW	EF,VS,OVAL,PEXT,UB,NND,AV,R=P	
NGC	5810	Lib	Galaxy SB(rs)b:	EF,VS,LE230,BET 2VF*
	12"	7.5mmW	VF,CS,OVAL,MEXT,UB,NND,R=F	
NGC	5858	Lib	Galaxy E6:	F,S,STELLN,5861SF
	12"	7.5mmW	VF,VS,R,UB,NND,AV,R=F	
NGC	5863	Lib	Galaxy (R')SAB(rs)a	*12IN EFNEB,S,R
	12"	7.5mmW	CF,CS,OVAL,UB,NND,R=F	
NGC	5872	Lib	Galaxy SAB0^:	NO DESCRIPTION
	12"	7.5mmW	PF,CS,OVAL,MEXT,UB,NND,R=F	
NGC	5885	Lib	H116-3 Galaxy SAB(r)c	F,CL,R,VGBM
	12"	7.5mmW	PF,CS,R,UB,NND,R=F	
NGC	5890	Lib	Galaxy SA(r)0+?	VF,VS,E235
	12"	7.5mmW	EF,VS,OVAL,NND,AV,R=F	
NGC	5891	Lib	Galaxy Sbc	VF,PS,LE,GBM,*11F
	12"	7.5mmW	VF,VS,OVAL,NND,AV,R=F	
NGC	5892	Lib	Galaxy SA(s)d	EF,L,GBM
	12"	7.5mmW	VF,VS,OVAL,NND,R=F	
NGC	5898	Lib	H138-3 Galaxy E0	F,S,R,GBM
	12"	7.5mmW	F,CS,OVAL,UB,NND,AV,R=F	
NGC	5915	Lib	Galaxy SB(s)ab pec	B,S,R,GLBM,P OF 2
	12"	7.5mmW	PF,CS,OVAL,MEXT,UB,NND,R=F	
NGC	5959	Lib	Galaxy E+:	VF,PS,VLE,BMN
	12"	7.5mmW	CF,CS,R,UB,NND,R=F	
PGC	52816	Lib	Galaxy (R')SB(r)a	
	12"	7.5mmW	VF,S,R,UB,NND,R=F	

Observations Listing by Date

June 7, 2010

Hidden Hollow - RAS

IC	3568	Cam	Planetary Neb 2+2a	
	12"	7.5mmW	PB,VS,R=F. ALMOST STELLER	
NGC	2805	UMa	H878-3 Galaxy SAB(rs)d	VF,L,R,MBM
	12"	11mmT6	PF,PS,OVAL,MEXT,UB,NND.R=F	
NGC	3511	Crt	H39-5 Galaxy SA(s)c	VF,VL,ME
	12"	11mmT6	CF,PS,EON,UB,NND,R=F	
NGC	4664	Vir	H142-1 Galaxy SB(s)0/a	PB,2S*IN M,(=4665)
	12"	11mmT6	PF,PS,OVAL,UB,NND,R=F	
NGC	5861	Lib	H192-2 Galaxy SAB(rs)c	F,L,E,R
	12"	9mm	DIFF,CF,PS,OVAL,MEXT,NND,AV,R=P	
NGC	5907	Dra	H759-2 Galaxy SA(s)c: sp	CB,VL,VME155,VGPSBMN
	12"	7.5mmW	PF,PL,EON,FNUC,FAINT BULGE,R=G	
PK	318+41.1	Vir	Planetary Neb 3b+3a	
	12"	9mm	CF,PL,PATCHY, NO CENTRAL STAR DETECTED,R=P	

Observations Listing by Date

May 19, 2010		Hidden Hollow - RAS			
NGC 4437 12"	Vir 7.5mmW	H5-4 DIFF,CF,PS,EON,NND,AV,R=F	Galaxy SA(s)cd: sp		F,EE75,*10NF
NGC 5493 12"	Vir 7.5mmW	H46-4 PF,CS,OVAL,MEXT,BNUC,R=G	Galaxy S0 pec sp		PB,VS,R,PSMBM*,*18IN
NGC 5506 12"	Vir 7.5mmW	H687-2 DIFF,CF,PS,EON,NND,R=F	Galaxy Sa pec sp		PB,L,E20,LBM
NGC 5507 12"	Vir 7.5mmW	H49-4 PF,CS,OVAL,MEXT,FNUC,MR=G	Galaxy SAB(r)0^		CF,S,R,STELLAR
NGC 5636 12"	Vir 7.5mmW	H580-2 VF,CS,OVAL,UB,NND,R=F	Galaxy SAB(r)0+		EF,CL,R,NP OF 2
NGC 5638 12"	Vir 7.5mmW	H581-2 PF,PS,R,UB,NND,R=F	Galaxy E1		CB,PL,R,SF OF 2
NGC 5668 12"	Vir 7.5mmW	H574-2 DIFF,CF,PS,R,UB,NND,R=F	Galaxy SA(s)d		F,PS,VLE,*14INV
NGC 5750 12"	Vir 7.5mmW	H183-1 CF,PS,OVAL,UB,NND,R=F	Galaxy SB(r)0/a		PF,PS,VLE,R
NGC 5774 12"	Vir 7.5mmW		Galaxy SAB(rs)d		PF,PL,R,NP OF 2
NGC 5775 12"	Vir 7.5mmW	H554-3 PF,PS,EON,UB,NND,R=F	Galaxy SBc? sp		F,PS,VME148,GVLBM
NGC 5806 12"	Vir 7.5mmW	H539-2 PF,PS,OVAL,MEXT,FNUC,R=F	Galaxy SAB(s)b		CB,CL,E165,SBMN
NGC 5831 12"	Vir 7.5mmW	H540-2 CF,CS,OVAL,MEXT,UB,NND,R=F	Galaxy E3		PB,S,MBM
NGC 5838 12"	Vir 7.5mmW	H542-2 PF,PS,EON,FNUC,MUSB,R=F	Galaxy SA0-		PB,PS
NGC 5839 12"	Vir 7.5mmW	H541-2 CF,VS,R,FNUC,R=F	Galaxy SAB(rs)0^:		PF,PS
NGC 5846 12"	Vir 7.5mmW	H128-1 PF,PS,R,FNUC,R=G	Galaxy E0-1		VB,PL,R,PSBMN,F*INVS
NGC 5850 12"	Vir 7.5mmW	H543-2 DIFF,CF,PS,R,UB,NND,R=F	Galaxy SB(r)b		CF,S,LE,PSBM
NGC 5854 12"	Vir 7.5mmW	H544-2 PF,PS,EON,FNUC,R=F	Galaxy SB(s)0+ sp		PB,S,VLE,LBM,AM ST
NGC 5861 12"	Lib 7.5mmW	H192-2 DIFF,CF,PS,OVAL,UB,NND,AV,R=F	Galaxy SAB(rs)c		F,L,E,R
NGC 5864 12"	Vir 7.5mmW	H585-2 PF,PS,EON,UB,NND,R=F	Galaxy SB(s)0^? sp		PF,CS,ILE,GBM,*14F

Observations Listing by Date

May 19, 2010**Hidden Hollow - RAS**

NGC 6325 **Oph** **Globular** **PF,L,R,RR**
 12" 9mm VF,VS,AV,R=F, FAINT SMUDGE, NO STARTS TO RESOLVE.

May 14, 2010**Hidden Hollow - RAS**

IC 2914 **Leo** **Galaxy S**
 31" 17mmT4 CF,CS,OVAL,MEXT,NND,R=F

NGC 3710 **Leo** **H350-2** **Galaxy E** **F,S,*7,8NF 5'**
 31" 17mmT4 PB,PS,R,BNUC,HSB,R=G

NGC 3713 **Leo** **H367-2** **Galaxy S0-** **F,CS,R,SBMN**
 31" 17mmT4 PB,PS,OVAL,MEXT,BNUC,HSB,R=G

NGC 3716 **Leo** **Galaxy (R)SAB0^?** **VF,VS**
 31" 17mmT4 PF,PS,OVAL,MEXT,UB,FNUC,R=F

NGC 3790 **Leo** **H109-3** **Galaxy S0/a** **CF,VS,PME,SBM,1STOF3**
 31" 17mmT4 PB,CS,OVAL,UB,FNUC,R=G

NGC 3801 **Leo** **H161-2** **Galaxy S0?** **PF,PL,R,BM,R,2ND OF3**
 31" 17mmT4 PB,PL,OVAL,MEXT,BNUC,HSB,R=G

NGC 3802 **Leo** **H30-3** **Galaxy S** **VF,PS,2VB*P,3RD OF3**
 31" 17mmT4 PB,PS,EON,UB,DNUC,R=G

NGC 3803 **Leo** **Galaxy** **VF,S,R**
 31" 17mmT4 EF,VS,R,NND,AV,R=P

NGC 3807 **Leo** **Galaxy** **VF, S, R (VF*?)**
 31" 17mmT4 DIFF,CF,CS,R,UB,NND,R=F

NGC 4002 **Leo** **H344-3** **Galaxy S0?** **VF,VS,R,N OF 2**
 31" 17mmT4 PB,CS,OVAL,MEXT,BNUC,HSB,R=G

NGC 4007 **Leo** **H325-3** **Non-Existent**
 31" 17mmT4 PF,PS,OVAL,MEXT,BNUC,HSB,R=G

NGC 4565 **Com** **H24-5** **Galaxy SA(s)b? sp** **B,EL,EE135,VSBMN=*10**
 31" 17mmT4 VB,VL,EON,BNUC,HSB,DARK DUST LANE BISECST. FILLS EYEPIECE,R=E!!

PGC 35514 **Leo** **Galaxy**
 31" 17mmT4 VF,CS,OVAL,NND,R=F

PGC 35588 **Leo** **Galaxy S0?**
 31" 17mmT4 PB,CS,R,BNUC,HSB,R=G

PGC 35589 **Leo** **Galaxy S**
 31" 17mmT4 PF,PS,OVAL,NND,R=F

PGC 36189 **Leo** **Galaxy S**
 31" 17mmT4 VF,VS,EON,UB,,NND,AV,R=F

Observations Listing by Date

April 14, 2010**Hidden Hollow - RAS**

NGC 2359 16"	CMa 26mm	H21-5 PB,PL,OVAL,UB,NND,R=G	Nebula E	VF,VVL,VIF
NGC 3877 16"	UMa 11mmT6	H201-1 PB,PL,EON,FNUC,R=G	Galaxy SA(s)c:	B,L,ME37
NGC 4618 16"	CVn 11mmT6	H178-1 PF,PS,R,NND,R=F	Galaxy SB(rs)m	B,L,E,MBM,CVDBRANCHN
NGC 4625 16"	CVn 11mmT6	H660-2 PF,PS,R,UB,NND,R=F	Galaxy SAB(rs)m pec	PF,S,R
NGC 4666 16"	Vir 11mmT6	H15-1 PF,PS,EON,FNUC,USB,R=G	Galaxy SABc:	B,VL,ME45,PSBM
NGC 4684 16"	Vir 11mmT6	H181-2 PF,PS,OVAL,VEXT,UB,NND,R=F	Galaxy SB(r)0+	B,PL,PME25

Observations Listing by Date

April 9, 2010

Hidden Hollow - RAS

NGC	2862	Leo		Galaxy S?	F,S,E,BM
	12"	11mmT6	CF,PS,EON,UB,NND,R=F		
NGC	2882	Leo		Galaxy S?	F,PL,E
	12"	11mmT6	CF,PS,OVAL,UB,NND,R=F		
NGC	2894	Leo	H8-3	Galaxy Sa	VF,E,ER,2OR3* INV
	12"	11mmT6	PF,CS,OVAL,UB,NND,R=F		
NGC	2918	Leo	H298-3	Galaxy E	VF,CS,R,SBMN
	12"	11mmT6	PF,PS,OVAL,UB,NND,R=F		
NGC	2919	Leo		Galaxy SAB(r)b:	F,PS
	12"	11mmT6	VF,VS,OVAL,NND,AV,R=P		
NGC	2943	Leo		Galaxy E	F,S,IR,BM,F OF2
	12"	11mmT6	CF,PS,OVAL,UB,NND,R=F		
NGC	3206	UMa	H266-1	Galaxy SB(s)cd	PB,CL,E,VGLBM
	12"	11mmT6	VF,CS,OVAL,PEXT,UB,NND,AV,R=F		
NGC	3319	UMa	H700-3	Galaxy SB(rs)cd	CF,L,IE,MB,S OF M
	12"	11mmT6	DIFF,CF,PS,OVAL,MEXT,NND,AV,R=F		
NGC	3359	UMa	H52-5	Galaxy SB(rs)c	PB,L,E0,GLBM
	12"	11mmT6	PF,PS,OVAL,PEXT,FNUC,R=G		
NGC	3448	UMa	H233-1	Galaxy I0	B,PL,ME67,GBM
	12"	11mmT6	PF,PS,EON,UB,NND,R=F		
NGC	3458	UMa	H268-1	Galaxy SAB0:	VB,VS,R,STELLAR
	12"	11mmT6	PB,CS,R,BNUC,R=G		
NGC	3471	UMa	H972-3	Galaxy Sa	VF,S,R,BM
	12"	11mmT6	PF,CS,OVAL,UB,NND,R=F		
NGC	4207	Vir		Galaxy S?	PF,PS,LE,*14NP
	12"	11mmT6	PF,PS,OVAL,UB,NND,R=F		
NGC	4378	Vir	H123-1	Galaxy (R)SA(s)a	B,S,*8,9SF3'
	12"	11mmT6	PF,PS,R,FNUC,R=F		
NGC	4380	Vir		Galaxy SA(rs)b:?	VF,PL,R,LBM
	12"	11mmT6	PF,PS,OVAL,UB,NND,R=F		
NGC	4387	Vir	H167-2	Galaxy E	PF,VS,R,*13NP90,NP-2
	12"	11mmT6	PF,CS,OVAL,UB,NND,R=F		
NGC	4402	Vir		Galaxy Sb sp	F,L,ME90
	12"	11mmT6	PF,PS,EON,UB,NND,R=F		
NGC	4413	Vir	H169-2	Non-Existent	CF,S,GBM,2ST N,NP
	12"	11mmT6	CF,PS,OVAL,MEXT,UB,NND,R=F		
NGC	4425	Vir	H170-2	Galaxy SB0+: sp	PF,S,R,BM
	12"	11mmT6	PF,PS,OVAL,PEXT,FNUC,R=G		

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NGC 4458 **Vir** **H121-2** **Galaxy E0-1** **PB,S,R,BM,P OF 2**
 12" 11mmT6 PB,PS,R,NND,R=G

NGC 4461 **Vir** **H122-2** **Galaxy SB(s)0+:** **PF,S,R,BM,F OF 2**
 12" 11mmT6 PB,PS,OVAL,PEXT,BNUC,HSB,R=G

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NGC 4203 **Com** **H175-1** **Galaxy SAB0-:** **VB,S,R,PSMBM**
 12" 11mmT6 PB,PS, R,FNUC,R=G

NGC 4389 **CVn** **H749-2** **Galaxy SB(rs)bc pec:** **PB,PL,IE,VGLBM**
 12" 11mmT6 VF,CS,OVAL,NND,AV,R=F

NGC 4395 **CVn** **H29.1-5** **Galaxy SA(s)m:** **EF,VL,NP OF DNEB**
 12" 11mmT6 DIFF,PF,PL,OVAL,UB,NND,R=F

NGC 4618 **CVn** **H178-1** **Galaxy SB(rs)m** **B,L,E,MBM,CVDBRANCHN**
 12" 11mmT6 DIFF,PF,PS,R,NND,R=F

NGC 4625 **CVn** **H660-2** **Galaxy SAB(rs)m pec** **PF,S,R**
 12" 11mmT6 PF,CS,OVAL,NND,AV,R=P

NGC 4861 **CVn** **H30-4** **Galaxy SB(s)m:** **VF,PL,VME30,BET2ST**
 12" 11mmT6 PF,PS,EON,NND,AV,R=F

NGC 5005 **CVn** **H96-1** **Galaxy SAB(rs)bc** **VB,VL,VME66,VSMBN**
 12" 11mmT6 PB,PS,EON,BNUC,R=G

NGC 5033 **CVn** **H97-1** **Galaxy SA(s)c** **VB,PL,E167,SMBMVBN**
 12" 11mmT6 PF,PS,EXT,OVAL,UB,NND,R=F

NGC 5112 **CVn** **H646-2** **Galaxy SB(rs)cd** **F,L,IR,VGLBM**
 12" 11mmT6 DIFF,PF,PS,OVAL,NND,R=P

NGC 5127 **CVn** **H328-2** **Galaxy E pec** **PB,PL,R,GMBM,**P**
 12" 11mmT6 DIFF,PF,PS,OVAL,NND,R=P

NGC 5145 **CVn** **H667-2** **Galaxy S?** **PB,VS,VLE,GLBM**
 12" 11mmT6 PF,CS,OVA,UB,NND,R=F

NGC 5146 **Vir** **H115-3** **Galaxy E/S0** **VF,VS,STELLAR**
 12" 11mmT6 CF,CS,R,UB,NND,R=F

NGC 5173 **CVn** **H672-3** **Galaxy E0:** **F,VS,R,STELLAR**
 12" 11mmT6 VF,VS,OVAL,NND,AV,R=P

NGC 5198 **CVn** **H689-2** **Galaxy E1-2:** **PF,PS,R,MBM**
 12" 11mmT6 PF,CS,R,UB,NND,R=F

PAL 4 **UMa** **Globular**
 12" 11mmT6 VF,VS,AV,R=F,FAINT SMUDGE, 12TH MAG START TO WEST.

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NGC	2507	Cnc	H554-2	Galaxy S0/a pec	PB,PL,IR,VGBM,ER,*S
	12"	11mmT6	VF,VS,OVAL,UB,NND,AV,R=F		
NGC	2513	Cnc	H512-3	Galaxy E	F,S,R,PSMBM,R
	12"	11mmT6	CF,CS,OVAL,UB,NND,R=F		
NGC	2554	Cnc	H303-2	Galaxy S0/a	F,S,R,MBM,R
	12"	11mmT6	PF,PS,OVAL,UB,NND,R=F		
NGC	2565	Cnc		Galaxy (R')SBbc:	F,BIN
	12"	11mmT6	PF,CS,OVAL,NND,R=F		
NGC	2577	Cnc	H259-2	Galaxy S0-:	F,S,IF,R
	12"	28mm	PF,CS,OVAL,UB,NND,R=F		
NGC	2592	Cnc	H315-2	Galaxy E	PF,S,R,VSBM*
	12"	11mmT6	PF,PS,OVAL,UB,NND,R=F		
NGC	2599	Cnc	H234-3	Galaxy SAa	VF,S,STELLAR
	12"	11mmT6	PF,PS,OVAL,R,UB,NND,R=F		
NGC	2604	Cnc	H292-3	Galaxy SB(rs)cd	VF,PL,R,LBM,R,D*NR
	12"	11mmT6	DIFF,,VF,CS,OVAL,NND,R=F		
NGC	2619	Cnc	H319-2	Galaxy Sbc	F,PS,R,BM,R
	12"	11mmT6	CF,PS,OVAL,UB,NND,R=F		
NGC	2657	Cnc		Galaxy SA(rs)d:	VF,VS,IR,F*ATT F
	12"	11mmT6	VF,VS,OVAL,UB,NND,AV,R=P		
NGC	2661	Cnc	H50-3	Galaxy Scd:	EF,CL,R,LBM
	12"	11mmT6	VF,VS,R,NND,AV,R=P		
NGC	2673	Cnc		Galaxy E0 pec	VF,VS,CLOSE F2672
	12"	11mmT6	PF,PS,R,UB,NND,R=F		
NGC	2730	Cnc		Galaxy SBdm:	VF,L,R
	12"	11mmT6	VF,CS,R,UB,NND,AV,R=F		
NGC	2738	Cnc		Galaxy S?	PB,S,IF,D W/2737
	12"	11mmT6	VF,CS,OVAL,EXT,NND,AV,R=P		
NGC	2744	Cnc	H60-3	Galaxy SB(s)ab: pec	VF,S,R,R,D* NR
	12"	11mmT6	VF,VS,R,NND,AV,R=F		
NGC	2777	Cnc		Galaxy Sab?	F,S
	12"	11mmT6	VF,VS,,R,NND,AV,R=P		
NGC	2783	Cnc	H295-3	Galaxy E	VF,VS,R,2PB* SP
	12"	11mmT6	PF,CS,OVAL,UB,FNUC,R=F		
NGC	2789	Cnc		Galaxy S0/a	PF,S,R,GBM
	12"	11mmT6	PF,PS,OVAL,UB,FNUC,R=F		
NGC	2794	Cnc		Galaxy SB?	EF,VS,SP OF 2
	12"	11mmT6	CF,CS,OVAL,UB,NND,R=F		

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NGC 2795 **Cnc** **Galaxy E** **EF,VS,NF OF 2**
 12" 11mmT6 CF,CS,OVAL,NND,R=F

NGC 2804 **Cnc** **Galaxy S0** **VF,S,R**
 12" 11mmT6 VF,CS,OVAL,NND,AV,R=P

NGC 2809 **Cnc** **Galaxy S0** **VF,S,R**
 12" 11mmT6 CF,CS,OVAL,UB,NND,R=F

NGC 3664 **Leo** **Galaxy SB(s)m pec** **PF,BIN**
 12" 11mmT6 VF,VS,OVAL,NND,AV,R=F

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NGC 2415 **Lyn** **H821-2** **Galaxy Im?** **PB,CS,R,VGVLBM,R,**
 12" 11mmT6 CF,CS,OVAL,UB,NND,R=F

NGC 2525 **Pup** **H877-3** **Galaxy SB(s)c** **CF,PL,R,VGVLBM,AM ST**
 12" 11mmT6 CF,PS,OVAL,UB,NND,R=F

NGC 2639 **UMa** **H204-1** **Galaxy (R)SA(r)a:?** **CB,S,E130,PSMBM**
 12" 11mmT6 PB,PS,OVAL,UB,NND,R=F

NGC 2781 **Hya** **H66-1** **Galaxy SAB(r)0+** **B,S,VLE,PSMBM**
 12" 11mmT6 PB,PS,EON,BNUC,R=G

NGC 2784 **Hya** **H59-1** **Galaxy SA(s)0^:** **B,L,ME64,GMBM**
 12" 11mmT6 PB,PS,OVAL,UB,FNUC,R=F

NGC 2855 **Hya** **H132-1** **Galaxy (R)SA(rs)0/a** **PB,PL,R,GMBMN**
 12" 11mmT6 PB,PS,OVAL,UB,FNUC,R=F

NGC 2889 **Hya** **H555-2** **Galaxy SAB(rs)c** **PF,PS,VLE,VGLBM,R**
 12" 11mmT6 PF,CS,R,UB,NND,R=F

NGC 2906 **Leo** **H495-2** **Galaxy Scd:** **F,PS,LE,GBM**
 12" 11mmT6 CF,CS,OVAL,MEXT,UB,NND,R=G

NGC 2911 **Leo** **H40-2** **Galaxy SA(s)0: pec** **F,PL,R,GBM,P OF 2**
 12" 11mmT6 CF,CS,OVAL,UB,NND,R=F

NGC 2939 **Leo** **H4-3** **Galaxy Sbc** **VF,S,VLE,BM,TRI STNF**
 12" 11mmT6 VF,VS,OVAL,NND,AV,R=F

NGC 3053 **Leo** **H600-3** **Galaxy SBa?** **VF,S,VLE,GBM**
 12" 11mmT6 VF,VS,OVAL,NND,AV,R=F

NGC 3598 **Leo** **Galaxy S0-:** **F,VS,STELL,*N**
 12" 11mmT6 CF,PS,OVAL,UB,NND,R=F

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IC	3011	Vir	Non-Existent	
	12"	11mmT6	PF,PS,EON,UB,NND,R=F	
IC	4715	Sgr	Non-Existent	
	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
IC	4725	Sgr	M25	Open Cluster 8.0 I 3 m
	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
M	45	Tau	M45	Open Cluster
	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
NGC	205	And	M110 H18-5	Galaxy E5 pec
	12"	32mmUW	M.M. 2010 MANUAL SETTING CIRCLES	VB,VL,ME165,VGVMBM
NGC	221	And	M32	Galaxy cE2
	12"	32mmUW	M.M. 2010 MANUAL SETTING CIRCLES	VVB,L,R,PSMBMN
NGC	224	And	M31	Galaxy SA(s)b
	12"	32mmUW	M.M. 2010 MANUAL SETTING CIRCLES	EEB,EL,VME,ANDROMEDA 17
NGC	581	Cas	M103	Open Cluster 9.0 II 2 m
	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	CL,PL,B,R,RI,*10..11
NGC	598	Tri	M33 H17-5	Galaxy SA(s)cd
	12"	32mmUW	M.M. 2010 MANUAL SETTING CIRCLES	EB,EL,R,VGBMN 6
NGC	628	Psc	M74	Galaxy SA(s)c
	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	GCL,F,VL,R,VG,PSMBM
NGC	650	Per	M76 H193-1	Planetary Neb 3+6
	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	VB,P OF DNEB
NGC	1039	Per	M34	Open Cluster 9.0 II 3 r
	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	CL,B,VL,LC,SC ST9
NGC	1068	Cet	M77	Galaxy (R)SA(rs)b
	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	VB,PL,IR,SBMRRN
NGC	1904	Lep	M79	Globular
	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	GCL,PL,ERI,EC,RRR
NGC	1912	Aur	M38	Open Cluster 8.0 II 2 r
	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	CL,B,VL,VRI,IF,STL\$\$
NGC	1952	Tau	M1	Nebula E
	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	VB,VL,E135,VGLBM,R
NGC	1960	Aur	M36	Open Cluster 9.0 I 3 r
	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	CL,B,VL,VRI,CL,*9.11
NGC	1976	Ori	M42	Nebula EN+RN
	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	THETAORI \$GREAT NEB
NGC	1982	Ori	M43 H1-3	Nebula E
	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	VB,VL,RW/TAIL,MBM*8

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NGC 2068 12"	Ori 26mm	M78 M.M. 2010 MANUAL SETTING CIRCLES	Nebula R	B,L,WISP,GMBN,3*INV
NGC 2099 12"	Aur 26mm	M37 M.M. 2010 MANUAL SETTING CIRCLES	Open Cluster 11.0 I 2 r	CL,RI,PCM,ST L\$\$
NGC 2168 12"	Gem 26mm	M35 M.M. 2010 MANUAL SETTING CIRCLES	Open Cluster 8.0 III 3 r	CL,VL,CRI,PC,ST9..16
NGC 2287 12"	CMa 26mm	M41 M.M. 2010 MANUAL SETTING CIRCLES	Open Cluster 8.0 I 3 r	CL,VL,B,LC,ST 8...
NGC 2323 12"	Mon 26mm	M50 M.M. 2010 MANUAL SETTING CIRCLES	Open Cluster 9.0 II 3 r	CL,VL,RI,PC,E,
NGC 2422 12"	Pup 26mm	M47 H38-8 M.M. 2010 MANUAL SETTING CIRCLES	Open Cluster 5.0 I 3 m	CL,B,VL,PRI,ST L\$\$
NGC 2437 12"	Pup 26mm	M46 M.M. 2010 MANUAL SETTING CIRCLES	Open Cluster 10.0 II 2 r	CL,VB,VRI,VL,INV PLN
NGC 2447 12"	Pup 26mm	M93 M.M. 2010 MANUAL SETTING CIRCLES	Open Cluster 9.0 I 3 r	CL,L,PRI,LC,ST8...13
NGC 2548 12"	Hya 26mm	M48 H22-6 M.M. 2010 MANUAL SETTING CIRCLES	Open Cluster 8.0 I 3 r	CL,VL,PRI,PMC,*9..13
NGC 2632 12"	Cnc 26mm	M44 M.M. 2010 MANUAL SETTING CIRCLES	Open Cluster 6.0 II 3 m	PRAESEPE CANCRI
NGC 2682 12"	Cnc 26mm	M67 M.M. 2010 MANUAL SETTING CIRCLES	Open Cluster 9.0 II 3 r	CL,VB,VL,ERI,LC,*10.
NGC 2872 12"	Leo 7.5mmW	H57-2 CF,CS,R,NND,R=F	Galaxy E2	PF,PS,R,BM
NGC 2874 12"	Leo 7.5mmW	Non-Existent CF,CS,MEXT,NND,F=F		VF,PL,ME
NGC 3031 12"	UMa 26mm	M81 M.M. 2010 MANUAL SETTING CIRCLES	Galaxy SA(s)ab	EB,EL,E156,GSVMBMBN 2
NGC 3034 12"	UMa 26mm	M82 H79-4 M.M. 2010 MANUAL SETTING CIRCLES	Galaxy I0 sp	VB,VL,VME(RAY)
NGC 3351 12"	Leo 11mmT6	M95 M.M. 2010 MANUAL SETTING CIRCLES	Galaxy SB(r)b	B,L,R,PGMBMN
NGC 3368 12"	Leo 11mmT6	M96 M.M. 2010 MANUAL SETTING CIRCLES	Galaxy SAB(rs)ab	VB,VL,LE,VSVMBM,R
NGC 3379 12"	Leo 11mmT6	M105 H17-1 M.M. 2010 MANUAL SETTING CIRCLES	Galaxy E1	VB,CL,R,PSBM,R
NGC 3556 12"	UMa 26mm	M108 H46-5 M.M. 2010 MANUAL SETTING CIRCLES	Galaxy SB(s)cd sp	CB,VL,VME79,PBM,R

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NGC 3587 12"	UMa 26mm	M97 M.M. 2010 MANUAL SETTING CIRCLES	Planetary Neb 3a	PLN,VB,VL,R,VVG,VSBM
NGC 3623 12"	Leo 11mmT6	M65 M.M. 2010 MANUAL SETTING CIRCLES	Galaxy SAB(rs)a	B,VL,ME165,GBMBN
NGC 3627 12"	Leo 11mmT6	M66 M.M. 2010 MANUAL SETTING CIRCLES	Galaxy SAB(s)b	B,VL,ME150,MBM,2*NP
NGC 3952 12"	Vir 11mmT6	H612-3 PF,PS,EON,UB,NND,R=F	Galaxy IBm: sp	CF,CS,LE90,BM,R
NGC 3992 12"	UMa 26mm	M109 H61-4 M.M. 2010 MANUAL SETTING CIRCLES	Galaxy SB(rs)bc	CB,VL,PME,SBMBRN
NGC 4037 12"	Com 11mmT6	H77-3 VF,PS,OVAL,NND,R=F	Galaxy SB(rs)b:	EF,PL,R,R
NGC 4045 12"	Vir 11mmT6	H276-2 PF,PS,OVAL,MEXT,UB,NND,R=F	Galaxy SBa	PF,L,R,SBM,*SF
NGC 4064 12"	Com 11mmT6	H370-2 PF,CS,OVAL,MEXT,RNUC,R=F	Galaxy SB(s)a: pec	B,E,GBM
NGC 4067 12"	Vir 11mmT6	H37-3 VF,CS,OVAL,UB,NND,AV,R=F	Galaxy SA(s)b:	F,PS,R,GBM
NGC 4079 12"	Vir 11mmT6	H370-2 VF,VS,OVAL,NND,AV,R=F	Galaxy (R')SAB(rs)bc:	F,L,R,*10N1'
NGC 4104 12"	Com 11mmT6	H370-2 CF,CS,OVAL,MEXT,UB,NND,R=F	Galaxy S0	PB,PS,LE,BM
NGC 4158 12"	Com 11mmT6	H405-2 CF,CS,R,UB,NND,R=F	Galaxy SA(r)b:	F,PS,LE,BM,PB*SF
NGC 4162 12"	Com 11mmT6	H353-2 CF,PS,OB,NND,R=F	Galaxy (R)SA(rs)bc	B,L,IE,BM
NGC 4192 12"	Com 11mmT6	M98 M.M. 2010 MANUAL SETTING CIRCLES	Galaxy SAB(s)ab	B,VL,VME152,VSVMBM
NGC 4215 12"	Vir 11mmT6	H135-2 CF,CS,EON,UB,NND,R=F	Galaxy SA(r)0+: sp	B,PS,E,SBM*11
NGC 4240 12"	Vir 11mmT6	H135-2 VF,CS,OVAL,UB,NND,R=F	Galaxy E	PB,S,*12SP1/2'
NGC 4254 12"	Com 11mmT6	M99 M.M. 2010 MANUAL SETTING CIRCLES	Galaxy SA(s)c	B,L,R,GBM,R,3BRSPIRA
NGC 4258 12"	CVn 11mmT6	M106 H43-5 M.M. 2010 MANUAL SETTING CIRCLES	Galaxy Sb	VB,VL,VME0,SBMBN
NGC 4303 12"	Vir 11mmT6	M61 H139-1 M.M. 2010 MANUAL SETTING CIRCLES	Galaxy SAB(rs)bc	VB,VL,VSBM*,BIN

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NGC	4321	Com	M100	Galaxy SAB(s)bc	PF,VL,R,VG,PSBMRN
	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
NGC	4374	Vir	M84	Galaxy E1	VB,PL,R,PSBM,R
	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
NGC	4382	Com	M85	Galaxy SA(s)0+ pec	VB,PL,R,BM,*NP
	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
NGC	4406	Vir	M86	Galaxy E3	VB,L,R,GBMN,R
	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
NGC	4472	Vir	M49	Galaxy E2	VB,L,R,MBM,R
	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
NGC	4486	Vir	M87	Galaxy E+0-1 pec	VB,VL,R,MBM,3RD OF 3
	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
NGC	4501	Com	M88	Galaxy SA(rs)b	B,VL,VME
	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
NGC	4548	Com	M91 H120-2	Galaxy SB(rs)b	B,L,LE,LBM
	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
NGC	4552	Vir	M89	Galaxy E0-1	PB,PS,R,GMBM
	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
NGC	4569	Vir	M90	Galaxy SAB(rs)ab	PL,BMN
	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
NGC	4579	Vir	M58	Galaxy SAB(rs)b	B,L,IR,VMBM,R
	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
NGC	4590	Hya	M68	Globular	GCL,L,ERI,VC,IR,ST12
	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
NGC	4594	Vir	M104 H43-1	Galaxy SA(s)a sp	VB,VL,EE92,VSMBMN
	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
NGC	4621	Vir	M59	Galaxy E5	B,PL,LE,VSVMBM,2*P
	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
NGC	4649	Vir	M60	Galaxy E2	VB,PL,R,FOF DNEB
	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
NGC	4736	CVn	M94	Galaxy (R)SA(r)ab	VB,L,IR,VSVMBMBN,R
	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
NGC	4826	Com	M64	Galaxy (R)SA(rs)ab	VB,VL,VME120,BMSBN
	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
NGC	5024	Com	M53	Globular	GCL,B,VC,IR,VVMBM,
	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
NGC	5055	CVn	M63	Galaxy SA(rs)bc	VB,L,PME120,VSMBMBN
	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		

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NGC	5194	CVn	M51	Galaxy SA(s)bc pec	GREAT SPIRAL NEBULA
	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
NGC	5236	Hya	M83	Galaxy SAB(s)c	VB,VL,E55,ESBMN,SPIR
	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
NGC	5272	CVn	M3	Globular	GCL,EB,VL,VSMBM,*11.
	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
NGC	5457	UMa	M101	Galaxy SAB(rs)cd	PB,VL,IR,G,VSMBMSN 4
	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
NGC	5866	Dra	M102 H215-1	Galaxy SA0+ sp	VB,CL,PME146,GBM
	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
NGC	5904	Ser	M5	Globular	GCL,VB,L,ECM,*11..15
	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
NGC	6093	Sco	M80	Globular	GCL,VB,L,VMBM(VAR*)
	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
NGC	6121	Sco	M4	Globular	CL,8OR10B*LINE,RRR
	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
NGC	6171	Oph	M107 H40-6	Globular	GCL,L,VRI,VMC,R,RRR
	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
NGC	6205	Her	M13	Globular	GCL,EB,VRI,VGECM,*11
	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
NGC	6218	Oph	M12	Globular	GCL,VB,VL,IR,GMBM
	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
NGC	6254	Oph	M10	Globular	GCL,B,VL,R,GVMBM,RRR
	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
NGC	6266	Oph	M62	Globular	GCL,VB,L,GMBM,RRR,
	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
NGC	6273	Oph	M19	Globular	GCL,VB,L,R,VCM,RRR
	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
NGC	6333	Oph	M9	Globular	GCL,B,L,R,ECM,RRR,
	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
NGC	6341	Her	M92	Globular	GCL,VB,VL,ECM,ST S
	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
NGC	6402	Oph	M14	Globular	GCL,B,VL,R,ERI,VGMBM
	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
NGC	6405	Sco	M6	Open Cluster 5.5 II 3 r	CL,L,IR,LC,ST7,10...
	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
NGC	6475	Sco	M7	Open Cluster 7.0 I 3 r	CL,VB,PRI,LC,*7...12
	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		

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NGC 6494 12"	Sgr 26mm	M23 M.M. 2010 MANUAL SETTING CIRCLES	Open Cluster 10.0 II 2 r	CL,B,VL,PRI,LC,*10..
NGC 6514 12"	Sgr 26mm	M20 H41-4 M.M. 2010 MANUAL SETTING CIRCLES	Nebula EN+OC	VB,VL,TRIFID,D*INV
NGC 6523 12"	Sgr 26mm	M8 M.M. 2010 MANUAL SETTING CIRCLES	Nebula E	VB,EL,EIF,W/LCL
NGC 6531 12"	Sgr 26mm	M21 M.M. 2010 MANUAL SETTING CIRCLES	Open Cluster 8.0 I 3 r	CL,PRI,LC,ST9...12
NGC 6611 12"	Sgr 26mm	M16 M.M. 2010 MANUAL SETTING CIRCLES	Open Cluster 11.0 II 3 m n	CL,ATLEAST100* L\$\$
NGC 6613 12"	Sgr 26mm	M18 M.M. 2010 MANUAL SETTING CIRCLES	Open Cluster 8.7 II 3 p n	CL,P,VLC
NGC 6618 12"	Sgr 26mm	M17 M.M. 2010 MANUAL SETTING CIRCLES	Nebula EN+OC	B,EL,EIF,2HOOKED
NGC 6626 12"	Sgr 26mm	M28 M.M. 2010 MANUAL SETTING CIRCLES	Globular	GCL,VB,L,R,GECM,RRR
NGC 6637 12"	Sgr 26mm	M69 M.M. 2010 MANUAL SETTING CIRCLES	Globular	GCL,B,L,R,RRR,*14.16
NGC 6681 12"	Sgr 26mm	M70 M.M. 2010 MANUAL SETTING CIRCLES	Globular	GCL,B,PL,R,GBM,
NGC 6694 12"	Sct 26mm	M26 M.M. 2010 MANUAL SETTING CIRCLES	Open Cluster 11.0 II 3 m	CL,CL,PRI,PC,ST12.15
NGC 6705 12"	Sct 26mm	M11 M.M. 2010 MANUAL SETTING CIRCLES	Open Cluster 11.0 I 2 r	CL,VB,L,IR,RI,*9,
NGC 6720 12"	Lyr 26mm	M57 M.M. 2010 MANUAL SETTING CIRCLES	Planetary Neb 4+3	RINGNEB,B,PL,CE,LYRA
NGC 6779 12"	Lyr 26mm	M56 M.M. 2010 MANUAL SETTING CIRCLES	Globular	GCL,B,L,IR,GVMCM,RRR
NGC 6838 12"	Sge 26mm	M71 M.M. 2010 MANUAL SETTING CIRCLES	Globular	CL,VL,VRI,PMC,*11.16
NGC 6853 12"	Vul 26mm	M27 M.M. 2010 MANUAL SETTING CIRCLES	Planetary Neb 3+2	VB,VL,BIN,IE,DUMBEL
NGC 6864 12"	Sgr 11mmT6	M75 M.M. 2010 MANUAL SETTING CIRCLES	Globular	GCL,B,PL,R,VMBMBN,RR
NGC 6913 12"	Cyg 26mm	M29 M.M. 2010 MANUAL SETTING CIRCLES	Open Cluster 9.0 II 3 m n	CL,P,LC,STL\$\$
NGC 7078 12"	Peg 26mm	M15 M.M. 2010 MANUAL SETTING CIRCLES	Globular	GCL,VB,VL,IR,VSMBM

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NGC 7092 12"	Cyg 26mm	M39 M.M. 2010 MANUAL SETTING CIRCLES	Open Cluster 7.0 III 2 m	CL,VL,VP,VLC,*7...10
NGC 7654 12"	Cas 32mmUW	M52 M.M. 2010 MANUAL SETTING CIRCLES	Open Cluster 11.0 II 2 r	CL,L,RI,MCM,R,*9..13
WINN 4 12"	UMa 11mmT6	M40 M.M. 2010 MANUAL SETTING CIRCLES	Unknown STAR	

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NGC 153 12"	Cet 7.5mmW		Non-Existent PF,PS,OVAL,UB,NND,R=F	PF,PS,R,*NR NF
NGC 171 12"	Cet 7.5mmW	H223-3 VF,PS,R,NND,R=F	Galaxy SB(r)ab	VF,PL,LE,2PB*SF
NGC 205 12"	And 20mmUW	M110 H18-5	Galaxy E5 pec	VB,VL,ME165,VGVMBM
NGC 210 12"	Cet 7.5mmW	H452-2 PF,PS,OVAL,UB,NND,R=F	Galaxy SAB(s)b	B,PS,R,PSBM,R,*11P2'
NGC 221 12"	And 20mmUW	M32	Galaxy cE2	VVB,L,R,PSMBMN
NGC 224 12"	And 20mmUW	M31	Galaxy SA(s)b	EEB,EL,VME,ANDROMEDA 17
NGC 991 12"	Cet 7.5mmW	H434-3 VF,PS,R,UB,NND,AV,R=F	Galaxy SAB(rs)c	VF,CL,IF,VLBM
NGC 1055 12"	Cet 11mmT6	H1-1 PB,L,EON,UB,HSB,R=G	Galaxy SBb: sp	PF,CL,IE80,BM,*11N1'
NGC 1912 12"	Aur 20mmUW	M38	Open Cluster 8.0 II 2 r	CL,B,VL,VRI,IF,STL\$\$
NGC 1952 12"	Tau 20mmUW	M1	Nebula E	VB,VL,E135,VGLBM,R
NGC 1960 12"	Aur 20mmUW	M36	Open Cluster 9.0 I 3 r	CL,B,VL,VRI,CL,*9.11
NGC 1976 12"	Ori 20mmUW	M42	Nebula EN+RN	THETAORI \$GREAT NEB
NGC 1982 12"	Ori 20mmUW	M43 H1-3	Nebula E	VB,VL,RW/TAIL,MBM*8
NGC 2068 12"	Ori 20mmUW	M78	Nebula R	B,L,WISP,GMBN,3*INV
NGC 2099 12"	Aur 20mmUW	M37	Open Cluster 11.0 I 2 r	CL,RI,PCM,ST L\$\$
NGC 2168 12"	Gem 20mmUW	M35	Open Cluster 8.0 III 3 r	CL,VL,CRI,PC,ST9..16

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November 11, 2009 Hidden Hollow - RAS

IC	10	Cas	Galaxy IBm	
	12"	7.5mmW	VF,PS,R,NND,AV,R=F	
IC	2149	Aur	Planetary Neb 3b+2	
	12"	7.5mmW	PB,PS,R=G, NO CENTRAL STAR NOTED	
NGC	40	Cep	H58-4 Planetary Neb 3b+3	F,VS,R,VSMBM,*12SP
	12"	7.5mmW	B,PS,R=G, CENTRAL STAR VISIBLE	
NGC	1207	Per	H578-3 Galaxy SA(rs)b	CF,VS,R,PSB INNPPEND
	12"	7.5mmW	PF,PS,OVAL,MEXT,UB,NND,R=F	
NGC	1233	Per	Galaxy Sb	F,VS,R,DIFF
	12"	7.5mmW	VF,VS,OVAL,VEXT,UB,NND,R=F	
NGC	1235	Per	Non-Existent	VF,S,LE
	12"	7.5mmW	MEGASTAR 5 CALLS IT A TRIPLE STAR - NOTHING ELSE NOTED.	
NGC	1270	Per	Galaxy E:	VF,S,R
	12"	7.5mmW	VF,VS,R,UB,NND,AV,R=F	
NGC	1272	Per	Galaxy E+	F,S,R
	12"	7.5mmW	VF,PS,R,UB,NND,R=F	
NGC	1273	Per	Galaxy SA(r)0^?	VF,VS
	12"	7.5mmW	VF,VS,OVAL,MEXT,UB,NND,AV,R=F	
NGC	1275	Per	H603-2 Galaxy Pec	F,S
	12"	7.5mmW	PF,PS,R,FNUC,R=F	
NGC	1348	Per	H84-8 Open Cluster 8.5 III 2 m	CL,LRI,ST L
	12"	7.5mmW	PF,VS,R=F JUST A FEW STARS	
NGC	1535	Eri	H26-4 Planetary Neb 4+2c	PLN,VB,S,R,PS,VSMBM,R
	12"	7.5mmW	B,PS,R=G, NO CENTRAL STAR NOTED.	

Observations Listing by Date

October 25, 2009 Hidden Hollow - RAS

IC	10	Cas	Galaxy IBm	
	12"	11mmT6	F,PS,OVAL,NND,AV,R=F	
NGC	1050	Per	Galaxy (R')SB(s)a	F,S,*18INV N
	12"	7.5mmW	VF,VS,OVAL,UB,NND,AV,R=F	
NGC	1053	Per	Galaxy S0	VF,VS,LE,3OR4*LINENR
	12"	7.5mmW	VF,S,OVAL,UB,NND,R=F	
NGC	1086	Per	Galaxy Scd:	VF,PS,D* NR
	12"	7.5mmW	VF,S,OVAL,NND,R=F	
NGC	1106	Per	Galaxy SA0+	VF,VS,VF*ATT S
	12"	7.5mmW	F,S,OVAL,UB,NND,R=F	
NGC	1122	Per	H601-2 Galaxy SBb	VF,PS,R,*NR N
	12"	7.5mmW	F,S,OVAL,PATCHY,NND,R=F	
NGC	1160	Per	H199-3 Galaxy Scd:	F,E
	12"	7.5mmW	VF,VS,EL,OVAL,NND,AV,R=F	
NGC	1161	Per	H239-2 Galaxy S0	F,PS,LE,SBM
	12"	7.5mmW	PF,PS,OVAL,FNUC,R=F	
NGC	1167	Per	H178-3 Galaxy SA0-	VF,PL,R,SPMBM
	12"	7.5mmW	VF,PS,R,UB,NND,R=F	
NGC	1169	Per	H620-2 Galaxy SAB(r)b	PF,PS,IF,SBM
	12"	11mmT6	PF,PS,EL,OVAL,UB,NND,R=F	
NGC	1171	Per	Galaxy Scd:	VF,PL,IF
	12"	7.5mmW	F,PS,EON,UB,NND,R=F	
NGC	1175	Per	H607-2 Galaxy SA(r)0+	F,CL,E
	12"	7.5mmW	F,PS,EON,FNUC,R=F	
NGC	1186	Per	H43-4 Galaxy SB	F*W/NEB APPENDAGES
	12"	7.5mmW	VF,PS,EON,NND,AV,R=F	
NGC	1198	Per	Galaxy S0-:	NEB*11
	12"	7.5mmW	F,PS,OVAL,UB,NND,R=F	
NGC	6934	Del	H103-1 Globular	GCL,B,L,R,RRR,*16...
	12"	11mmT6	PB,PS,R=G. RESOLVE OUTER STARTS ONLY	

Observations Listing by Date

October 18, 2009 Hidden Hollow - RAS

NGC 188 12"	Cep 11mmT6	Open Cluster 10.0 I 2 r PF,S, R=F, TIGHT GROUP	CL,VL,R,150-200*
NGC 469 12"	Psc 11mmT6	Galaxy S VF,VS,OVAL,NND,AV,R=F	EF,S,R
NGC 896 12"	Cas 20mmUW	H695-3 Nebula E PF,PS, HINT OF NEBULOSITY	EF,PL,IF
NGC 7056 12"	Peg 11mmT6	Galaxy SBb VF,VS,R,UB,NND,AV,R=F	PF,S,R
NGC 7139 12"	Cep 11mmT6	H696-3 Planetary Neb 3b VF,PS,R=F. NO OTHER DETAIL = FAINT SMUDGE	VF,CS,R,R
NGC 7226 12"	Cep 11mmT6	Open Cluster 10.8 I 2 m PF,PS,,R=F. RESOLVE OUTER STARTS	PB,L,IN CLUSTER
NGC 7261 12"	Cep 11mmT6	Open Cluster 9.6 II 3 m PB,PS,R=G. RESOLVE AROUND 20+ STARS	CL,L,PRI,LC
NGC 7311 12"	Peg 11mmT6	H428-2 Galaxy Sab VF,VS,OVAL,NND,AV	PF,S,R,PSBM,R
NGC 7610 12"	Peg 11mmT6	Galaxy Scd: PF,PS,OVAL,UB,NND,R=F	F,S,DIF
NGC 7612 12"	Peg 11mmT6	Galaxy S0 PF,PS,OVAL,FNUC,R=F	PB,VS,R,BM
NGC 7803 12"	Peg 11mmT6	Galaxy S0/a PF,PS,R,UB,NND,R=F	PF,PS,R,F*NP VNR

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September 13, 2009 Hidden Hollow - RAS

NGC 224 12"	And M31 32mmUW 4TH OBJECT	Galaxy SA(s)b	EEB,EL,VME,ANDROMEDA 17
NGC 6611 12"	Ser M16 32mmUW 6TH OBJECT	Open Cluster 11.0 II 3 m n	CL,ATLEAST100* L\$\$
NGC 6618 12"	Sgr M17 32mmUW 7TH OBJECT	Nebula EN+OC	B,EL,EIF,2HOOKED
NGC 6781 12"	Aql H743-3 32mmUW 8TH OBJECT	Planetary Neb 3+3	PLN,F,L,R,VSMB DISC
NGC 6804 12"	Aql H38-6 32mmUW 9TH OBJECT	Planetary Neb 4+2	CB,S,IR,RRR
NGC 6853 12"	Vul M27 32mmUW 1ST OBJECT WITH 12" SKYWATCHER & MANUAL SETTING CIRCLES	Planetary Neb 3+2	VB,VL,BIN,IE,DUMBBEL
NGC 6981 12"	Aqr M72 32mmUW 2ND OBJECT.	Globular	GCL,PB,PL,R,GMCM,RRR
NGC 7078 12"	Peg M15 32mmUW 5TH OBJECT	Globular	GCL,VB,VL,IR,VSMBM
NGC 7331 12"	Peg H53-1 32mmUW 3RD OBJECT	Galaxy SA(s)b	B,PL,PME163,SMBM

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August 25, 2009**Hidden Hollow - RAS**

NGC 7292 16"	Peg 11mmT6	Galaxy IBm VF,CS,OVAL,NND,AV,R=F	EF,S,OVAL,F*INV
NGC 7303 16"	Peg 11mmT6	Galaxy Sbc CF,CS,R,NND,AV,R=F	VF,S,R,GVLBM
NGC 7332 16"	Peg 11mmT6	H233-2 Galaxy S0 pec sp PB,PS,EON,BNUC,R=G	CB,S,ME156,SMBMN,P-2
NGC 7339 16"	Peg 11mmT6	H234-2 Galaxy SAB(s)bc:? DIFF,PF,PS,EON,NND,R=F	F,PS,ME89,VGLBM,FOF2
NGC 7436 16"	Peg 11mmT6	H243-3 Galaxy E DIFF,CF,PS,R,NND,R=F	F,PS,F*ATT P,GBM
NGC 7449 16"	And 11mmT6	Galaxy E: VF,CS,EON,NND,AV,R=F	VF,S,R,VS*INCENTRE
NGC 7550 16"	Peg 11mmT6	H181-3 Galaxy SA0- CF,CS,R,UB,NND,R=F	CF,S,R
NGC 7660 16"	Peg 11mmT6	Galaxy E VF,VS,OVAL,NND,AV,R=F	F,VS,PSMBM,*10P
NGC 7678 16"	Peg 11mmT6	H226-2 Galaxy SAB(rs)c CF,CS,OVAL,NND,R=F	VF,PL,VLE,LBM,AM4ST
NGC 7814 16"	Peg 11mmT6	H240-2 Galaxy SA(s)ab: sp PF,PS,EON,FNUC,R=F	CB,CL,E,VGBM
NGC 7817 16"	Peg 11mmT6	H227-2 Galaxy SAbc: sp DIFF,CF,PS,EON,NND,R=F	PF,CL,ME45,LBM
NGC 7819 16"	Peg 11mmT6	Galaxy SB(s)b VF,VS,R,NND,AV,R=F	EF,L

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August 16, 2009		Hidden Hollow - RAS		
IC	1288	Lyr	Galaxy SBa	
	31"	17mmT4	CF,CS,OVAL,UB,NND,R=F	
IC	1289	Lyr	Galaxy S	
	31"	17mmT4	CF,S,R,UB,NND,R=F	
IC	1296	Lyr	Galaxy SBbc	
	31"	17mmT4	VF,S,EL,OVAL,NND,AV,R=F	
IC	4772	Lyr	Galaxy C	
	31"	17mmT4	VF,S,OVAL,UB,NND,R=F	
MAC	1828+3344	Lyr	Galaxy	
	31"	17mmT4	PF,CS,R,UB,NND,R=F	
MAC	1828+3413	Lyr	Galaxy	
	31"	17mmT4	VF,VS,OVAL,NND,AV,R=F	
MAC	1830+3403	Lyr	Galaxy	
	31"	17mmT4	VF,VS,OVAL,NND,AV,R=F	
NGC	6606	Lyr	Galaxy S	VF,S,R,GBM,VF*INV
	31"	17mmT4	PF,PS,R,FNUC,HISB,R=G	
NGC	6612	Lyr	Galaxy C	EEF,ES,R,VDIFFIC
	31"	17mmT4	PF,CS,R,FNUC,R=F	
NGC	6640	Lyr	Galaxy Scd:	VF,S,R,VLBM
	16"	17mmT4	PF,PS,OVAL,UB,NND,R=F	
NGC	6646	Lyr	H907-2 Galaxy Sa	F,S,IF
	31"	17mmT4	PF,PS,OVAL,UB,NND,R=G	
NGC	6657	Lyr	Galaxy SB	VF,VS,SBM
	31"	17mmT4	PF,PS,OVAL,UB,FNUC,R=G	
NGC	6662	Lyr	Galaxy SBab?	F*IN VF,VS,LE NEBY
	31"	17mmT4	PF,PS,OVAL,UB,NND,R=F	
NGC	6663	Lyr	Galaxy SAB(r)cd:	EEF,PS,R,VDIFFIC
	31"	17mmT4	CF,PS,R,NND,R=F	
NGC	6665	Lyr	Galaxy Sc	VF,VS
	31"	17mmT4	PF,PS,OVAL,UB,NND,R=F	
NGC	6671	Lyr	Galaxy S	VF,VS,R,MBM
	31"	17mmT4	PF,PS,R,UB,NND,R=F	
NGC	6675	Lyr	Galaxy Sbc	VF,E,45"
	31"	17mmT4	DIFF,PF,PS,OVAL,UB,NND,R=F	
NGC	6685	Lyr	Galaxy S0-:	EEF,VS,R,VDIFFI,SP-2
	31"	17mmT4	PF,PS,OVAL,FNUC,R=G	
NGC	6686	Lyr	Galaxy C	EEF,ES,R,VDIFFI,NF-2
	31"	17mmT4	CF,CS,R,UB,NND,R=F	

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NGC 6688 31"	Lyr 17mmT4	Galaxy SA0+ PF,PS,R,BNUC,HISB,R=G	F,PS,R,BM
NGC 6692 31"	Lyr 17mmT4	Galaxy E/S0 PF,PS,R,UB,NND,R=F	VF,VS,IRRE,SEVVF*INV
NGC 6695 31"	Lyr 17mmT4	Galaxy SBb PF,PS,OVAL,UB,NND,R=F	VF,S,IRRE,NS,VLBM
NGC 6700 31"	Lyr 17mmT4	Galaxy SB(rs)c PF,PS,R,UB,NND,R=F	EF,LE,DIF,IR
NGC 6713 31"	Lyr 17mmT4	Galaxy Pec CF,CS,OVAL,UB,NND,R=F	VF,S,R,BM
NGC 6740 31"	Lyr 17mmT4	Galaxy S CF,CS,R,UB,NND,R=F	EEF,S
NGC 6745 31"	Lyr 17mmT4	Galaxy Sm PF,PS,OVAL,UB,NND,R=F	VF,LE NS
NGC 6791 31"	Lyr 17mmT4	Open Cluster 15.0 I 2 r PB,PL,R=G,TIGHT GROUP	VF
NGC 6792 31"	Lyr 17mmT4	Galaxy SBb PF,PS,EL,OVAL,UB,FNUC,R=G	F,E26,GLBM,*9.5SF
PGC 61919 31"	Lyr 17mmT4	Galaxy S VF,VS,OVAL,UB,AV,R=F	
PGC 61939 31"	Lyr 17mmT4	Galaxy VF,VS,R,NND,R=F	
PGC 61966 31"	Lyr 17mmT4	Galaxy SBa PF,CS,OVAL,UB,NND,R=F	
PGC 61991 31"	Lyr 17mmT4	Galaxy S? PB,PS,R,BNUC,HISB,R=G	
PGC 62080 31"	Lyr 17mmT4	Galaxy SB PF,PS,OVAL,FNUC,R=F	
PGC 62104 31"	Lyr 17mmT4	Galaxy Sd: PF,PS,EON,UB,NND,R=F	
PGC 63101 31"	Lyr 17mmT4	Galaxy SA(s)c CF,CS,R,UB,NND,R=F	

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IC	1301	Cyg	Galaxy Scd:	
	16"	11mmT6	VF,VS,OVAL,NND,AV,R=F	
IC	1302	Cyg	Galaxy SAB(s)c?	
	16"	11mmT6	VF,VS,OVAL,NND,AV,R=F	
IC	1303	Cyg	Galaxy SAc:	
	16"	11mmT6	VF,VS,OVAL,NND,AV,R=F	
IC	4867	Cyg	Galaxy S0	
	16"	11mmT6	PF,PS,OVAL,NND,AV,R=F	
NGC	6654	Dra	Galaxy (R')SB(s)0/a	*12,13INPB,PL NEBY
	16"	11mmT6	PF,PS,EL,OVAL,NND,R=F	
NGC	6667	Dra	Galaxy SABab? pec	VF,PL,LE,VF D* NR
	16"	11mmT6	CF,PS,EON,NND,AV,R=F	
NGC	6690	Dra	Non-Existent	
	16"	11mmT6	PF,PS,EON,UB,NND,R=F	
NGC	6846	Cyg	Open Cluster 12.8 II 2	EF,VS,3*INV
	16"	11mmT6	PF,VS,R=F	
NGC	6869	Dra	Galaxy S0	PB,PS,R
	16"	11mmT6	PF,PS,R,UB,NND,R=F	
NGC	6874	Cyg	H86-8 Non-Existent	CL,P,LC
	16"	11mmT6	PB,PS,, LOOSE GROUP, R=F	
NGC	6881	Cyg	Planetary Neb 2a+3	PLN,STELLAR
	16"	7.5mmW	VF,VS,R=F, NO VISIBLE CENTRAL STAR	
NGC	6894	Cyg	H13-4 Planetary Neb 4+2	RINGNEB,F,S,VVLE
	16"	11mmT6	PF,PS,ROUND, NO VISIBLE CENTRAL STAR,R=F	
NGC	7024	Cyg	H57-8 Non-Existent	CL,P,LC,ST10...
	16"	11mmT6	PF,PS,R=F, SMALL GROUP	
NGC	7102	Peg	Galaxy SB(rs)b?	F,PL,R
	16"	11mmT6	VF,PS,OVAL,NND,AV,R=F	
NGC	7156	Peg	H452-3 Galaxy SAB(rs)cd:	F,PL,R,BM,R
	16"	11mmT6	PF,PS,OVAL,UB,NND,R=F	

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MAC	1644+4005	Her		Galaxy	
	16"	17mmT4	VF,VS,R,NND,AV,R=F		
NGC	4256	Dra	H846-2	Galaxy SA(s)b: sp	PB,L,CE38,BMBN
	16"	11mmT6	PS,EON,NND,R=F		
NGC	6212	Her		Galaxy S?	EF
	16"	17mmT4	PF,PS,OVAL,UB,NND,R=F		
NGC	6239	Her	H727-3	Galaxy SB(s)b pec?	VF,E,BIN,NPSF
	16"	17mmT4	PF,PS,EON,UB,NND,R=F		
NGC	6241	Her	H735-3	Galaxy Sc	EF,PS
	16"	17mmT4	CF,PS,R,UB,NND,R=F		
PGC	58867	Her		Galaxy Sc	
	16"	17mmT4	PF,PS,OVAL,UB,NND,R=F		
PGC	58895	Her		Galaxy	
	16"	17mmT4	PB,CS,R,BNUC,R=G		
PGC	59061	Her		Galaxy Sa	
	16"	17mmT4	CF,PS,R,UB,NND,R=F		
PGC	59062	Her		Galaxy S0 pec:	
	16"	17mmT4	VF,CS,OVAL,NND,AV,R=F		
PGC	59102	Her		Galaxy Sb	
	16"	17mmT4	CF,PS,R,NND,R=F		

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IC	1152	Her		Galaxy E	
	16"	11mmT6	CF,CS,R,UB,NND,R=F		
IC	1153	Her		Galaxy S0	
	16"	11mmT6	CF,CS,R,UB,NND,R=F		
IC	1156	Her		Galaxy E	
	16"	11mmT6	VF,CS,OVAL,NND,AV,R=F		
IC	4615	Her		Non-Existent	
	16"	11mmT6	PF,PS,OVAL,UB,NND,R=F		
NGC	4395	CVn	H29.1-5	Galaxy SA(s)m:	EF,VL,NP OF DNEB
	16"	17mmT4	PF,PL,R,LSB,R=F		
NGC	5490	Boo	H32-3	Galaxy E	CF,CS,R,SBMF**
	16"	11mmT6	PF,PS,OVAL,UB,NND,R=F		
NGC	5520	Boo	H676-3	Galaxy Sb	F,S,LE,STELLAR
	16"	11mmT6	PF,PS,OVAL,UB,NND,R=F		
NGC	5523	Boo	H134-3	Galaxy SA(s)cd:	F,PL,PME90,*10NP
	16"	11mmT6	PF,PS,EON,UB,NND,R=F		
NGC	5582	Boo	H754-2	Galaxy E	PB,PS,R,BMFN,*SP
	16"	11mmT6	PF,PS,EL,OVAL,NND,R=F		
NGC	5602	Boo	H694-2	Galaxy Sa	PF,PS,LE,MBM
	16"	11mmT6	CF,PS,OVAL,NND,R=F		
NGC	5660	Boo	H695-2	Galaxy SAB(rs)c	PB,L,IR,VGBM
	16"	11mmT6	PB,PL,OVAL,FNC,R=F		
NGC	6013	Her		Galaxy SBb	EF,VS,IR,LBM
	16"	11mmT6	VF,CS,EL,OVAL,NND,AV,R=F		
NGC	6043A	Her		Galaxy SB0	
	16"	11mmT6	CF,PS,R,UB,NND,R=F		
NGC	6081	Her		Galaxy S0	VF,S,R,BM
	16"	11mmT6	PF,PS,EON,UB,NND,R=F		
NGC	6186	Her	H730-3	Galaxy (R')SB(s)a	EF,VS,E
	16"	11mmT6	PF,PS,OVAL,UB,NND,R=F		
NGC	6269	Her		Galaxy E	F,S,R
	16"	11mmT6	PF,PL,OVAL,UB,NND,R=F		
NGC	6278	Her	H124-3	Galaxy S0	VF,STELLAR
	16"	11mmT6	PF,PS,EL,OVAL,FNUC,R=F		
NGC	6343	Her		Galaxy C	VF,S,LE,NF OF 2
	16"	11mmT6	PF,PS,R,UB,NND,R=F		
NGC	6347	Her		Galaxy SBb	EF,IR,DIF
	16"	11mmT6	VF,VS,EL,OVAL,NND,AV,R=F		

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NGC 6350 16"	Her 11mmT6	Galaxy S0 CF,CS,R,UB,NND,R=F	PF,PS,GBM
NGC 6364 16"	Her 11mmT6	Galaxy S0 PF,PS,OVAL,FNUC,R=F	PF,VS,R,BM*13
NGC 6372 16"	Her 11mmT6	H137-3 Galaxy Sb? pec CF,PS,OVAL,NND,R=F	VF,PS,IF,SF OF 2
NGC 6389 16"	Her 11mmT6	H901-2 Galaxy Sbc CF,PS,OVAL,UB,NND,R=F	F,S,IF,ER
NGC 6408 16"	Her 11mmT6	Galaxy SB(rs)a CF,PS,R,UB,NND,R=F	F,S,IR,GBM
NGC 6417 16"	Her 11mmT6	Galaxy SB(r)b: VF,VS,R,NND,AV,R=F	PF,S,VLBM
NGC 6427 16"	Her 11mmT6	Galaxy S0-: CF,CS,EON,NND,R=F	VF,VS,STELLAR
NGC 6429 16"	Her 11mmT6	Galaxy SBa CF,PS,EON,NND,R=F	F,S,STELLAR
NGC 6442 16"	Her 11mmT6	Galaxy E PF,PS,OVAL,FNUC,R=F	PF,S,IR,GBM
NGC 6447 16"	Her 11mmT6	Galaxy SB? PF,PS,EL,OVAL,UB,NND,R=F	VF,S,R
NGC 6458 16"	Her 11mmT6	Galaxy S0 VF,CS,EL,OVAL,NND,AV,R=F	EF,VS,STELLAR
NGC 6460 16"	Her 11mmT6	Galaxy Scd: VF,PS,OVAL,NND,AV,R=F	VF,PL,IR
NGC 6468 16"	Her 11mmT6	Non-Existent VF,PS,OVAL,NND,AV,R=F	VF,S,R
NGC 6484 16"	Her 11mmT6	Galaxy Sb: PF,PS,R,FNUC,R=F	EF,VS,R,MBM
NGC 6485 16"	Her 11mmT6	Galaxy Sbc CF,PS,R,UB,NND,R=F	VF,VS,R
NGC 6487 16"	Her 11mmT6	Galaxy E PF,PS,R,UB,,NND,R=F	F,S,R,GBM
NGC 6490 16"	Her 11mmT6	Galaxy S0-? VF,CS,OVAL,NND,AV,R=F	VF,VS,STELLAR
NGC 6495 16"	Her 11mmT6	Galaxy E PF,PS,R,FNUC,R=F	F,S,R
NGC 6500 16"	Her 11mmT6	H957-3 Galaxy SAab: PF,PS,OVAL,FNUC,MSB,R=F	VF,VS,SP OF 2

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NGC 6501 16"	Her 11mmT6	H958-3 PF,PS,OVAL,FNUC,MSB,R=F	Galaxy SA0+:	VF,VS,NF OF 2
NGC 6504 16"	Her 11mmT6	PF,PS,EON,FNUC,MSB,R=F	Galaxy S	F,VME,SBM
NGC 6574 16"	Her 11mmT6	PF,CS,OVAL,FNUC,UB,R=F	Galaxy SAB(rs)bc:	PB,S,R
PAL 10 16"	Sge 11mmT6	VF,PS,AV,R=F	Globular	UNRESOLVED.
PAL 14 16"	Her 11mmT6	CF,PS,R=F	Globular	UNRESOLVED,STAR IN FRONT.
PAL 15 16"	LMi 11mmT6	VF,PS,AV,R=F	Globular	UNRESOLVED.
PGC 56398 16"	Her 11mmT6	CF,CS,R,UB,NND,R=F	Galaxy S0	
PGC 56544 16"	Her 11mmT6	CF,PS,EL,OVAL,NND,R=F	Galaxy S0-:	

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IC	834	Com	Galaxy S
	31"	17mmT4	PF,CS,OVAL,FNUC.MHISB,R=F
IC	835	Com	Galaxy S?
	31"	17mmT4	CF,CL,R,UB,NND,R=F
IC	3900	Com	Galaxy SB0:
	31"	17mmT4	PB,CS,OVAL,UB,NND,R=F
IC	3913	Com	Galaxy S?
	31"	17mmT4	DIFF,CF,VS,OVAL,NND,R=F
MAC	1255+2736A	Com	Galaxy
	31"	17mmT4	DIFF,VF,VS,OVAL,NND,R=F
MAC	1255+2756	Com	Galaxy
	31"	17mmT4	VF,VS,OVAL,NND,AV,R=F
MAC	1255+2815	Com	Galaxy
	31"	17mmT4	VF,VS,OVAL,NND,AV,R=F
MAC	1255+2824	Com	Galaxy
	31"	17mmT4	EF,VS,R,NND,AV,R=P
MAC	1255+2900	Com	Galaxy
	31"	17mmT4	VF,VS,R,NND,AV,R=F
MAC	1256+2725	Com	Galaxy
	31"	17mmT4	PF,PS,OVAL,FNUC,R=F
MAC	1256+2726	Com	Galaxy
	31"	17mmT4	VF,VS,R,NND,R=F
MAC	1256+2730	Com	Galaxy
	31"	17mmT4	VF,VS,R,NND,AV,R=F
MAC	1256+2732	Com	Galaxy
	31"	17mmT4	VF,VS,R,NND,AV,R=F
MAC	1256+2732	Com	Galaxy
	31"	17mmT4	VF,VS,OVAL,NND,AV,R=F
MAC	1256+2738	Com	Galaxy
	31"	17mmT4	PF,VS,NND,UB,R=F
MAC	1256+2741	Com	Galaxy
	31"	17mmT4	VF,VS,OVAL,NND,R=F
MAC	1256+2743	Com	Galaxy
	31"	17mmT4	VF,VS,OVAL,NND,R=F
MAC	1256+2749	Com	Galaxy
	31"	17mmT4	PB,CS,R,FNUC,R=F
MAC	1256+2750	Com	Galaxy
	31"	17mmT4	PB,CS,R,FNUC,R=F

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MAC	1256+2802	Com		Galaxy	
	31"	17mmT4	VF,VS,OVAL,NND,R=F		
MAC	1256+2818	Com		Galaxy	
	31"	17mmT4	VF,VS,R,NND,AV,R=F		
NGC	4565	Com	H24-5	Galaxy SA(s)b? sp	B,EL,EE135,VSBMN=*10
	31"	31mmT5	PB,PL,EON,BNUC,HISB,R=E,	NICE DUST LANE	
NGC	4816	Com	H383-2	Galaxy S0-:	VF,PL
	31"	17mmT4	PB,PS,OVAL,BNUC,MHISB,R=G		
NGC	4824	Com		Galaxy SA0	VF,VS
	31"	17mmT4	PF,CS,R,UB,NND,R=F		
PGC	44105	Com		Galaxy	
	31"	17mmT4	PB,PS,OVAL,BNUC,MHISB,R=G		
PGC	44109	Com		Galaxy C	
	31"	17mmT4	CF,CS,OVAL,NND,AV,R=F		
PGC	44137	Com		Galaxy	
	31"	17mmT4	PF,PS,R,NND,R=F		
PGC	44159	Com		Galaxy	
	31"	17mmT4	VF,VS,R,UB,NND,R=F		

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NGC 3338 16"	Leo 17mmT4	H77-2 PF,PS,EL,OVAL,UB,NND,R=F	Galaxy SA(s)c	F,CL,E,VGBM,*7P10S
NGC 3367 16"	Leo 17mmT4	H78-2 PF,CS,R,UB,NND,R=F	Galaxy SB(rs)c	PB,CL,IR,VGLBM,R,1-3
NGC 3377 16"	Leo 17mmT4	H99-2 PF,PS,OVAL,FNUC,R=F	Galaxy E5-6	VB,CL,LE,SVMBMBN
NGC 4592 16"	Vir 17mmT4	H31-2 CF,PS,EON,UB,NND,R=F	Galaxy SA(s)dm:	F,L,E90,VGBM
NGC 4632 16"	Vir 17mmT4	H14-1 CF,CS,OVAL,NND,R=F	Galaxy SAc	PB,L,E45
NGC 4636 16"	Vir 17mmT4	H38-2 PB,PS,OVAL,FNUC,R=F	Galaxy E	B,L,IR,VGVMBM,R
NGC 4643 16"	Vir 17mmT4	H10-1 PF,PS,OVAL,FNUC,R=F	Galaxy SB(rs)0/a	CB,PS,LE,MBM
NGC 4665 16"	Vir 17mmT4	Non-Existent PF,PS,OVAL,UB,NND,R=F		B,PL,IR,MBM,*10SP
NGC 4666 16"	Vir 17mmT4	H15-1 PB,PS,EON,FNUC,R=G	Galaxy SABc:	B,VL,ME45,PSBM
NGC 5068 16"	Vir 11mmT6	H312-2 PF,PL,R,UB,NND,R=F	Galaxy SAB(rs)cd	F,L,IR,BM
NGC 5529 16"	Boo 11mmT6	H414-3 CF,CS,EON,UB,NND,R=F	Galaxy Sc: sp	CF,PL,VME110,VGVMBM
NGC 5533 16"	Boo 11mmT6	H418-2 PF,PS,EL,OVAL,FNUC,R=F	Galaxy SA(rs)ab	PB,R,VSMBM,20R3*INV
NGC 5590 16"	Boo 11mmT6	H417-3 CF,CS,R,UB,NND,R=F	Galaxy S0	CF,S,R,BM*,SF OF 2
NGC 5614 16"	Boo 11mmT6	H420-2 CF,CS,OVAL,UB,NND,R=F	Galaxy SA(r)ab pec	PB,S,R,SMBM

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NGC 4136 16"	Com 17mmT4	H321-2 PF,PS,R,UB,NND,R=G	Galaxy SAB(r)c	F,VL,VGMBM
NGC 4169 16"	Com 17mmT4	H358-3 PF,PS,OVAL,UB,NND,R=F	Galaxy S0	F,S,1ST OF 4
NGC 4185 16"	Com 17mmT4	H373-2 VF,PS,OVAL,NND,AV,R=F	Galaxy Sbc	CF,L,R,GBM
NGC 4189 16"	Com 17mmT4	H106-2 PF,PS,OVAL,UB,NND,R=F	Galaxy SAB(rs)cd?	F,L,LE,VGLBM,R
NGC 4206 16"	Vir 17mmT4	H165-2 VF,PS,EON,NND,VLOWSB,R=F	Galaxy SA(s)bc:	F,VME
NGC 4212 16"	Com 17mmT4	H108-2 PF,PS,OVAL,UB,NND,LSB,R=F	Galaxy SAc:	B,L,E107,G,SBM,R
NGC 4216 16"	Vir 17mmT4	H35-1 PB,PL,EON,BNUC,HSB,R=G	Galaxy SAB(s)b:	VB,VL,VME17,SBMN
NGC 4237 16"	Com 17mmT4	H11-2 PF,PS,EL,OVAL,UB,NND,R=F	Galaxy SAB(rs)bc	PB,PL,LE,VGBM,R
NGC 4278 16"	Com 17mmT4	H90-1 PB,PS,R,FNUC,HSB,R=G	Galaxy E1-2	VB,PL,R,MBM,R,1STOF3
NGC 4298 16"	Com 17mmT4	H111-2 PF,VS,OVAL,UB,NND,R=F	Galaxy SA(rs)c	F,L,E,VGBM,P OF 2
NGC 4302 16"	Com 17mmT4	H112-2 PF,PS,EON,UB,NND,R=F	Galaxy Sc	L,VME177,F OF 2
NGC 4310 16"	Com 17mmT4	H378-2 VF,VS,OVAL,NND,AV,R=F	Galaxy SB0	F,CL,LE,N OF 2
NGC 4312 16"	Com 17mmT4	H628-2 PB,PS,EON,FNUC,USB,R=G	Galaxy SA(rs)ab: sp	PB,CL,E,GBM
NGC 4336 16"	Com 17mmT4	H406-2 VF,PS,R,UB,NND,R=F	Galaxy SB0/a	VF,PL,IR,(BIN)
NGC 4359 16"	Com 17mmT4	H648-3 VF,VS,EL,OVAL,NND,AV,R=F	Galaxy SB(rs)c? sp	CF,PME90,VLBM
NGC 4379 16"	Com 17mmT4	H87-2 VF,VS,R,NND,AV,R=F	Galaxy S0- pec:	PS,R,PSBMN
NGC 4571 16"	Com 17mmT4	H602-3 PF,PS,R,UB,NND,R=F	Galaxy SA(r)d	VF,L,E,VGBM,*9NF NR
NGC 5012 16"	Com 17mmT4	H85-1 PF,PS,OVAL,UB,NND,R=F	Galaxy SAB(rs)c	PF,CL,E17,BIN,*9F
NGC 5056 16"	Com 17mmT4	H306-3 VF,PS,OVAL,UB,NND,AV,R=F	Galaxy Scd:	CF,CS,R,SP OF 2

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NGC 5480 UMa H692-2 Galaxy SA(s)c: F,PS,VGBM,NP OF 2
16" 17mmT4 PF,PS,R,UB,NND,R=F

NGC 5481 UMa H693-2 Galaxy E+ F,VS,SMBM,STELL,SF-2
16" 17mmT4 PF,PS,R,UB,NND,R=F

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NGC 4138 CVn H196-1 Galaxy SA(r)0+ B,PL,E,VGBM,*NP
16" 17mmT4 PB,PS,OVAL,FNUC,R=F

NGC 4217 CVn H748-2 Galaxy Sb sp PF,L,ME45,**N,P OF 2
16" 17mmT4 VF,VS,OCAL,NND,R=F

NGC 4220 CVn H209-1 Galaxy SA(r)0+ CB,PL,PME134,PSBM
16" 17mmT4 PF,PS,EL,OVAL,FNUC,USB,R=F

NGC 4248 CVn H742-2 Galaxy I0? sp VF,S,PME,PSBM
16" 17mmT4 VF,VS,OVAL,NND,AV,R=F

NGC 4369 CVn H166-1 Galaxy (R)SA(rs)a CB,S,R,MBMN,R
16" 17mmT4 PF,PS,OVAL,USB,R=F

NGC 4914 CVn H645-2 Galaxy E PB,CS,R,SMBM,*17NP
16" 17mmT4 PF,PS,OVAL,FNUC,R=F

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NGC 5128 Cen Galaxy S0 pec VB,VL,VME122,BIFID
31" 17mmT4 DIFF,VL,VF,NND,LSB,R=F

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IC	4715	Sgr		Non-Existent	
	16"	26mm	MESSIER MARATHON - 2009		
M	45	Tau	M45	Open Cluster	
	16"	26mm	MESSIER MARATHON - 2009		
NGC	205	And	M110 H18-5	Galaxy E5 pec	VB,VL,ME165,VGVMBM
	1.9"	12x50	MESSIER MARATHON - 2009		
NGC	221	And	M32	Galaxy cE2	VVB,L,R,PSMBMN
	1.9"	12x50	MESSIER MARATHON - 2009		
NGC	224	And	M31	Galaxy SA(s)b	EEB,EL,VME,ANDROMEDA 17
	1.9"	12x50	MESSIER MARATHON - 2009		
NGC	581	Cas	M103	Open Cluster 9.0 II 2 m	CL,PL,B,R,RI,*10..11
	16"	26mm	MESSIER MARATHON - 2009		
NGC	598	Tri	M33 H17-5	Galaxy SA(s)cd	EB,EL,R,VGBMN 6
	1.9"	12x50	MESSIER MARATHON - 2009		
NGC	650	Per	M76 H193-1	Planetary Neb 3+6	VB,P OF DNEB
	16"	26mm	MESSIER MARATHON - 2009		
NGC	1039	Per	M34	Open Cluster 9.0 II 3 r	CL,B,VL,LC,SC ST9
	16"	26mm	MESSIER MARATHON - 2009		
NGC	1904	Lep	M79	Globular	GCL,PL,ERI,EC,RRR
	16"	26mm	MESSIER MARATHON - 2009		
NGC	1912	Aur	M38	Open Cluster 8.0 II 2 r	CL,B,VL,VRI,IF,STL\$\$
	16"	26mm	MESSIER MARATHON - 2009		
NGC	1952	Tau	M1	Nebula E	VB,VL,E135,VGLBM,R
	16"	26mm	MESSIER MARATHON - 2009		
NGC	1960	Aur	M36	Open Cluster 9.0 I 3 r	CL,B,VL,VRI,CL,*9.11
	16"	26mm	MESSIER MARATHON - 2009		
NGC	1976	Ori	M42	Nebula EN+RN	THETAORI \$GREAT NEB
	16"	26mm	MESSIER MARATHON - 2009		
NGC	1982	Ori	M43 H1-3	Nebula E	VB,VL,RW/TAIL,MBM*8
	16"	26mm	MESSIER MARATHON - 2009		
NGC	2068	Ori	M78	Nebula R	B,L,WISP,GMBN,3*INV
	16"	26mm	MESSIER MARATHON - 2009		
NGC	2099	Aur	M37	Open Cluster 11.0 I 2 r	CL,RI,PCM,ST L\$\$
	16"	26mm	MESSIER MARATHON - 2009		
NGC	2168	Gem	M35	Open Cluster 8.0 III 3 r	CL,VL,CRI,PC,ST9..16
	16"	26mm	MESSIER MARATHON - 2009		
NGC	2287	CMa	M41	Open Cluster 8.0 I 3 r	CL,VL,B,LC,ST 8...
	16"	26mm	MESSIER MARATHON - 2009		

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NGC 2323 16"	Mon 26mm	M50 MESSIER MARATHON - 2009	Open Cluster 9.0 II 3 r	CL,VL,RI,PC,E,
NGC 2422 16"	Pup 26mm	M47 H38-8 MESSIER MARATHON - 2009	Open Cluster 5.0 I 3 m	CL,B,VL,PRI,ST L\$\$
NGC 2437 16"	Pup 26mm	M46 MESSIER MARATHON - 2009	Open Cluster 10.0 II 2 r	CL,VB,VRI,VL,INV PLN
NGC 2447 16"	Pup 26mm	M93 MESSIER MARATHON - 2009	Open Cluster 9.0 I 3 r	CL,L,PRI,LC,ST8...13
NGC 2548 16"	Hya 26mm	M48 H22-6 MESSIER MARATHON - 2009	Open Cluster 8.0 I 3 r	CL,VL,PRI,PMC,*9..13
NGC 2632 16"	Cnc 26mm	M44 MESSIER MARATHON - 2009	Open Cluster 6.0 II 3 m	PRAESEPE CANCRI
NGC 2682 16"	Cnc 26mm	M67 MESSIER MARATHON - 2009	Open Cluster 9.0 II 3 r	CL,VB,VL,ERI,LC,*10.
NGC 3031 16"	UMa 26mm	M81 MESSIER MARATHON - 2009	Galaxy SA(s)ab	EB,EL,E156,GSVMBMBN 2
NGC 3034 16"	UMa 26mm	M82 H79-4 MESSIER MARATHON - 2009	Galaxy I0 sp	VB,VL,VME(RAY)
NGC 3351 16"	Leo 26mm	M95 MESSIER MARATHON - 2009	Galaxy SB(r)b	B,L,R,PGMBMN
NGC 3368 16"	Leo 26mm	M96 MESSIER MARATHON - 2009	Galaxy SAB(rs)ab	VB,VL,LE,VSVMBM,R
NGC 3379 16"	Leo 26mm	M105 H17-1 MESSIER MARATHON - 2009	Galaxy E1	VB,CL,R,PSBM,R
NGC 3556 16"	UMa 26mm	M108 H46-5 MESSIER MARATHON - 2009	Galaxy SB(s)cd sp	CB,VL,VME79,PBM,R
NGC 3587 16"	UMa 26mm	M97 MESSIER MARATHON - 2009	Planetary Neb 3a	PLN,VB,VL,R,VVG,VSBM
NGC 3623 16"	Leo 26mm	M65 MESSIER MARATHON - 2009	Galaxy SAB(rs)a	B,VL,ME165,GBMBN
NGC 3627 16"	Leo 26mm	M66 MESSIER MARATHON - 2009	Galaxy SAB(s)b	B,VL,ME150,MBM,2*NP
NGC 3992 16"	UMa 26mm	M109 H61-4 MESSIER MARATHON - 2009	Galaxy SB(rs)bc	CB,VL,PME,SBMBRN
NGC 4192 16"	Com 26mm	M98 MESSIER MARATHON - 2009	Galaxy SAB(s)ab	B,VL,VME152,VSVMBM
NGC 4254 16"	Com 26mm	M99 MESSIER MARATHON - 2009	Galaxy SA(s)c	B,L,R,GBM,R,3BRSPIRA

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NGC 4258 16"	CVn 26mm	M106 H43-5 MESSIER MARATHON - 2009	Galaxy Sb	VB,VL,VME0,SBMBN
NGC 4303 16"	Vir 26mm	M61 H139-1 MESSIER MARATHON - 2009	Galaxy SAB(rs)bc	VB,VL,VSBM*,BIN
NGC 4321 16"	Com 26mm	M100 MESSIER MARATHON - 2009	Galaxy SAB(s)bc	PF,VL,R,VG,PSBMRN
NGC 4374 16"	Vir 26mm	M84 MESSIER MARATHON - 2009	Galaxy E1	VB,PL,R,PSBM,R
NGC 4382 16"	Com 26mm	M85 MESSIER MARATHON - 2009	Galaxy SA(s)0+ pec	VB,PL,R,BM,*NP
NGC 4406 16"	Vir 26mm	M86 MESSIER MARATHON - 2009	Galaxy E3	VB,L,R,GBMN,R
NGC 4472 16"	Vir 26mm	M49 MESSIER MARATHON - 2009	Galaxy E2	VB,L,R,MBM,R
NGC 4486 16"	Vir 26mm	M87 MESSIER MARATHON - 2009	Galaxy E+0-1 pec	VB,VL,R,MBM,3RD OF 3
NGC 4501 16"	Com 26mm	M88 MESSIER MARATHON - 2009	Galaxy SA(rs)b	B,VL,VME
NGC 4548 16"	Com 26mm	M91 H120-2 MESSIER MARATHON - 2009	Galaxy SB(rs)b	B,L,LE,LBM
NGC 4552 16"	Vir 26mm	M89 MESSIER MARATHON - 2009	Galaxy E0-1	PB,PS,R,GMBM
NGC 4569 16"	Vir 26mm	M90 MESSIER MARATHON - 2009	Galaxy SAB(rs)ab	PL,BMN
NGC 4579 16"	Vir 26mm	M58 MESSIER MARATHON - 2009	Galaxy SAB(rs)b	B,L,IR,VMBM,R
NGC 4590 16"	Hya 26mm	M68 MESSIER MARATHON - 2009	Globular	GCL,L,ERI,VC,IR,ST12
NGC 4594 16"	Vir 26mm	M104 H43-1 MESSIER MARATHON - 2009	Galaxy SA(s)a sp	VB,VL,EE92,VSMBMN
NGC 4621 16"	Vir 26mm	M59 MESSIER MARATHON - 2009	Galaxy E5	B,PL,LE,VSVMBM,2*P
NGC 4649 16"	Vir 26mm	M60 MESSIER MARATHON - 2009	Galaxy E2	VB,PL,R,FOF DNEB
NGC 4736 16"	CVn 26mm	M94 MESSIER MARATHON - 2009	Galaxy (R)SA(r)ab	VB,L,IR,VSVMBMBN,R
NGC 4826 16"	Com 26mm	M64 MESSIER MARATHON - 2009	Galaxy (R)SA(rs)ab	VB,VL,VME120,BMSBN

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Hidden Hollow - RAS

NGC 5024 16"	Com 26mm	M53 MESSIER MARATHON - 2009	Globular	GCL,B,VC,IR,VVMBM,
NGC 5055 16"	CVn 26mm	M63 MESSIER MARATHON - 2009	Galaxy SA(rs)bc	VB,L,PME120,VSMBMBN
NGC 5194 16"	CVn 26mm	M51 MESSIER MARATHON - 2009	Galaxy SA(s)bc pec	GREAT SPIRAL NEBULA
NGC 5236 16"	Hya 26mm	M83 MESSIER MARATHON - 2009	Galaxy SAB(s)c	VB,VL,E55,ESBMN,SPIR
NGC 5272 16"	CVn 26mm	M3 MESSIER MARATHON - 2009	Globular	GCL,EB,VL,VSMBM,*11.
NGC 5457 16"	UMa 26mm	M101 MESSIER MARATHON - 2009	Galaxy SAB(rs)cd	PB,VL,IR,G,VSMBMBSN 4
NGC 5866 16"	Dra 26mm	M102 H215-1 MESSIER MARATHON - 2009	Galaxy SA0+ sp	VB,CL,PME146,GBM
NGC 5904 16"	Ser 26mm	M5 MESSIER MARATHON - 2009	Globular	GCL,VB,L,ECM,*11..15
NGC 6093 16"	Sco 26mm	M80 MESSIER MARATHON - 2009	Globular	GCL,VB,L,VMBM(VAR*)
NGC 6171 16"	Oph 26mm	M107 H40-6 MESSIER MARATHON - 2009	Globular	GCL,L,VRI,VMC,R,RRR
NGC 6205 16"	Her 26mm	M13 MESSIER MARATHON - 2009	Globular	GCL,EB,VRI,VGECM,*11
NGC 6218 16"	Oph 26mm	M12 MESSIER MARATHON - 2009	Globular	GCL,VB,VL,IR,GMBM
NGC 6254 16"	Oph 26mm	M10 MESSIER MARATHON - 2009	Globular	GCL,B,VL,R,GVMBM,RRR
NGC 6266 16"	Oph 26mm	M62 MESSIER MARATHON - 2009	Globular	GCL,VB,L,GMBM,RRR,
NGC 6273 16"	Oph 26mm	M19 MESSIER MARATHON - 2009	Globular	GCL,VB,L,R,VCM,RRR
NGC 6333 16"	Oph 26mm	M9 MESSIER MARATHON - 2009	Globular	GCL,B,L,R,ECM,RRR,
NGC 6341 16"	Her 26mm	M92 MESSIER MARATHON - 2009	Globular	GCL,VB,VL,ECM,ST S
NGC 6402 16"	Oph 26mm	M14 MESSIER MARATHON - 2009	Globular	GCL,B,VL,R,ERI,VGMBM
NGC 6405 16"	Sco 26mm	M6 MESSIER MARATHON - 2009	Open Cluster 5.5 II 3 r	CL,L,IR,LC,ST7,10...

Observations Listing by Date

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NGC 6475 16"	Sco 26mm	M7 MESSIER MARATHON - 2009	Open Cluster 7.0 I 3 r	CL,VB,PRI,LC,*7...12
NGC 6494 16"	Sgr 26mm	M23 MESSIER MARATHON - 2009	Open Cluster 10.0 II 2 r	CL,B,VL,PRI,LC,*10..
NGC 6514 16"	Sgr 26mm	M20 H41-4 MESSIER MARATHON - 2009	Nebula EN+OC	VB,VL,TRIFID,D*INV
NGC 6523 16"	Sgr 26mm	M8 MESSIER MARATHON - 2009	Nebula E	VB,EL,EIF,W/LCL
NGC 6531 16"	Sgr 26mm	M21 MESSIER MARATHON - 2009	Open Cluster 8.0 I 3 r	CL,PRI,LC,ST9...12
NGC 6611 16"	Ser 26mm	M16 MESSIER MARATHON - 2009	Open Cluster 11.0 II 3 m n	CL,ATLEAST100* L\$S
NGC 6618 16"	Sgr 26mm	M17 MESSIER MARATHON - 2009	Nebula EN+OC	B,EL,EIF,2HOOKED
NGC 6626 16"	Sgr 26mm	M28 MESSIER MARATHON - 2009	Globular	GCL,VB,L,R,GECM,RRR
NGC 6656 16"	Sgr 26mm	M22 MESSIER MARATHON - 2009	Globular	GCL,VB,VL,R,VRI,VMC
NGC 6720 16"	Lyr 26mm	M57 MESSIER MARATHON - 2009	Planetary Neb 4+3	RINGNEB,B,PL,CE,LYRA
NGC 6779 16"	Lyr 26mm	M56 MESSIER MARATHON - 2009	Globular	GCL,B,L,IR,GVMCM,RRR
NGC 6838 16"	Sge 26mm	M71 MESSIER MARATHON - 2009	Globular	CL,VL,VRI,PMC,*11.16
NGC 6853 16"	Vul 26mm	M27 MESSIER MARATHON - 2009	Planetary Neb 3+2	VB,VL,BIN,IE,DUMBEL
NGC 6913 16"	Cyg 26mm	M29 MESSIER MARATHON - 2009	Open Cluster 9.0 II 3 m n	CL,P,LC,STL\$S
NGC 7092 16"	Cyg 26mm	M39 MESSIER MARATHON - 2009	Open Cluster 7.0 III 2 m	CL,VL,VP,VLC,*7...10
NGC 7654 16"	Cas 26mm	M52 MESSIER MARATHON - 2009	Open Cluster 11.0 II 2 r	CL,L,RI,MCM,R,*9..13
WINN 4 16"	UMa 26mm	M40 MESSIER MARATHON - 2009	Unknown STAR	

Observations Listing by Date

January 24, 2009 Hidden Hollow - RAS

IC	431	Ori	Nebula R	
	31"	17mmT4	PF,PS, HINT OF NEBULOSITY,R=F	
IC	432	Ori	Nebula R	
	31"	17mmT4	PF,PS, HINT OF NEBULOSITY,R=F	
IC	435	Ori	Nebula R	
	31"	17mmT4	PF,PS, HINT OF NEBULOSITY,R=F	
NGC	2023	Ori	H24-4 Nebula R+E	B*IN M OF L,LE NEB
	31"	17mmT4	PF,PS, HINT OF NEBULOSITY,R=F	

December 28, 2008 Hidden Hollow - RAS

B	33	Ori	Nebula Ir	
	31"	17mmT4	MB,VL,R=E!!!, HYDROGEN BETA FILTER.	
IC	418	Lep	Planetary Neb 4	
	31"	17mmT4	VB,VS,R,R=G, CENTRAL STAR	
J	320	Ori	Planetary Neb 2+4	
	31"	17mmT4	F,VS,OVAL,R=F, NO CENTRAL STAR	
NGC	1360	For	Planetary Neb 3	*8IN B,LNEB,E NS
	31"	17mmT4	PF,PS,EL,R,R=G, CENTRAL STAR, OIII	
NGC	1535	Eri	H26-4 Planetary Neb 4+2c	PLN,VB,S,R,PS,VSBM,R
	31"	17mmT4	VB,PS,R,R=G,BRIGHT CENTRAL STAR!!, OIII	
NGC	1976	Ori	M42 Nebula EN+RN	THETAORI \$GREAT NEB
	31"	17mmT4	VB,VL,R=E, TRAP=6 STARS	
NGC	2022	Ori	H34-4 Planetary Neb 4+2	PLN,PB,VS,VLE
	31"	17mmT4	F,PS,OVAL,R=G, NO CENTRAL STAR	
NGC	2359	CMa	H21-5 Nebula E	VF,VVL,VIF
	31"	31mmT5	PB,PL,R=E!!, BEAUTIFUL	

October 30, 2008 Hidden Hollow - RAS

IC	5381	Peg	Galaxy Sab? sp	
	16"	17mmT4	CF,CS,OVAL,NND,AV,R=F	
NGC	14	Peg	H591-2 Galaxy (R)IB(s)m pec	VF,PS,R,GLBM
	16"	17mmT4	F,VS,R,NND,R=F	
NGC	7814	Peg	H240-2 Galaxy SA(s)ab: sp	CB,CL,E,VGBM
	16"	17mmT4	PF,PS,OVAL,UB,NND,R=F	
PGC	70842	Peg	Galaxy E?	
	31"	17mmT4	MF,MS,R,NND,R=F	

Observations Listing by Date

October 29, 2008 Hidden Hollow - RAS

CR	21	Tri	Open Cluster III3p	
	16"	17mmT4	B,CS,15+ STARS,R=F	
IC	1727	Tri	Galaxy SB(s)m	
	16"	17mmT4	PF,CS,EON,UB,NND,R=F	
NGC	221	And	M32	Galaxy cE2
	16"	20mmUW	LARGE,BRIGHT,R=E	VVB,L,R,PSMBMN
NGC	224	And	M31	Galaxy SA(s)b
	16"	20mmUW	SMALL,BRIGHT,R=E	EEB,EL,VME,ANDROMEDA 17
NGC	598	Tri	M33 H17-5	Galaxy SA(s)cd
	16"	20mmUW	LARGE, DIFFUSE PATCH	EB,EL,R,VGBMN 6
NGC	672	Tri	H157-1	Galaxy SB(s)cd
	16"	17mmT4	PF,PS,EON,FNUC,R=F	F,PL ,ME80
NGC	777	Tri	H223-2	Galaxy E1
	16"	17mmT4	PF,CS,R,FNUC,R=F	PB,PL,R,GLBM
NGC	890	Tri	H225-2	Galaxy SAB(r)0-?
	16"	17mmT4	PF,PS,OVAL,UB,NND,R=F	B,S,R,BM,3F*SP
NGC	925	Tri	H177-3	Galaxy SAB(s)d
	16"	17mmT4	PF,PS,OVAL,NND,LSB,R=F	CF,CL,E,VGBM,2*13NP
NGC	7078	Peg	M15	Globular
	16"	32mmUW	NICE, BRIGHT, CAN'T RESOLVE INDIVIDUAL STARS	GCL,VB,VL,IR,VSMBM
NGC	7089	Aqr	M2	Globular
	16"	32mmUW	SAME,DIMMER, CAN'T RESOLVE INDIVIDUAL STARS	GCL,B,VL,GPMBM,RRR

Observations Listing by Date

October 23, 2008 Hidden Hollow - RAS

MAC	2214+1352	Peg	Galaxy	
	31"	17mmT4	VF,VS,OVAL,NND,AV,R=P	
NGC	7206	Peg	Galaxy S0:	F,S,LE,BM
	31"	17mmT4	CF,CS,OVAL,UB,FNUC,R=F	
NGC	7207	Peg	Galaxy	VF,S
	31"	17mmT4	CF,S,EL,OVAL,UB,NND,R=F	
NGC	7212	Peg	Galaxy S?	EF,VS,LE
	31"	17mmT4	CF,CS,EL,OVAL,FNUC,R=F	
NGC	7224	Peg	Galaxy E	F,S,R
	31"	17mmT4	CF,CS,OVAL,UB,FNUC,R=F	
NGC	7236	Peg	Galaxy SA0-	VF,S,STELLAR
	31"	17mmT4	CF,CS,R,FNUC,R=F	
NGC	7237	Peg	Galaxy SA0-	VF,S,STELLAR
	31"	17mmT4	F,S,R,UB,NND,R=F	
NGC	7244	Peg	Galaxy S?	EF,ES,R,BM
	31"	17mmT4	CF,CS,R,UB,NND,R=F	
NGC	7253A	Peg	Galaxy SB?	VF,PE
	31"	17mmT4	CF,CS,EON,UB,NND,R=F	
NGC	7253B	Peg	Galaxy S?	
	31"	17mmT4	F,CS,EON,NND,R=F	
NGC	7270	Peg	Galaxy S?	VF,S,E
	31"	17mmT4	CF,S,OVAL,FNUC,R=F	
NGC	7271	Peg	Galaxy L	VF,S,VLE
	31"	17mmT4	F,S,R,UB,NND,R=F	
NGC	7272	Peg	Galaxy SBa	VF,S,IR
	31"	17mmT4	CF,CS,OVAL,UB,NND,R=F	
NGC	7275	Peg	Galaxy Sa	EF,S,ME
	31"	17mmT4	CF,CS,EON,FNUC,MSB,R=F	
NGC	7280	Peg	H248-2 Galaxy SAB(r)0+	F,CS,R,GBMS*,3*N,NF
	31"	17mmT4	PF,PS,OVAL,BNUC,MSB,R=G	
NGC	7283	Peg	Galaxy S?	VF,VS,R
	31"	17mmT4	F,S,OVAL,UB,NND,R=F	
NGC	7286	Peg	Galaxy S0/a	VF,S,R,AM ST
	31"	17mmT4	CF,CS,EON,UB,NND,R=F	
NGC	7290	Peg	Galaxy SA(r)bc	PB,S,PME
	31"	17mmT4	PF,CS,OVAL,UB,NND,R=F	
NGC	7291	Peg	Galaxy S0	EF,ES,R,SMBM
	31"	17mmT4	PF,CS,R,FNUC,MSB,R=F	

Observations Listing by Date

October 23, 2008 Hidden Hollow - RAS

NGC 7304 31"	Peg 17mmT4	Non-Existent CF,CS,OVAL,UB,NND,R=F	VF,PS,VLBM,NF7303,()
NGC 7305 31"	Peg 17mmT4	Galaxy E/S0 F,VS,R,NND,R=P	EF,S,R,4F*AROUND
NGC 7312 31"	Peg 17mmT4	Galaxy SB(s)b F,CS,EL,OVAL,UB,R=F	F,S
NGC 7315 31"	Peg 17mmT4	Galaxy S0 CF,CS,R,UB,NND,R=F	VF,ES,R,BM
NGC 7316 31"	Peg 17mmT4	H180-3 Galaxy S DIFF,F,CS,OVAL,UB,NND,R=F	F,S,R,*8SP
NGC 7321 31"	Peg 17mmT4	H237-3 Galaxy SB(r)b DIFF,F,CS,OVAL,UB,NND,R=F	F,S,IR,VGVLBM
NGC 7323 31"	Peg 17mmT4	Galaxy Sb CF,CS,OVAL,UB,NND,R=F	PF,PL,IR
NGC 7324 31"	Peg 17mmT4	Galaxy E F,S,OVAL,NND,R=F	VF,VS,NEB*
NGC 7328 31"	Peg 17mmT4	Galaxy Sab F,CS,EON,NND,R=F	EF,PS,LE90,VGLBM
NGC 7335 31"	Peg 17mmT4	H166-3 Galaxy SA(rs)0+ CF,CS,OVAL,UB,FNUC,R=F	VF,VS
NGC 7336 31"	Peg 17mmT4	Galaxy S VF,S,OVAL,NND,AV,R=F	EF,VS
NGC 7337 31"	Peg 17mmT4	Galaxy SB(rs)b F,CS,OVAL,NND,R=F	EF,S,STELLAR
NGC 7340 31"	Peg 17mmT4	Galaxy E? CF,CS,OVAL,UB,NND,R=F	VF,VS
NGC 7342 31"	Peg 17mmT4	Galaxy SBa F,CS,R,NND,R=F	EF,VS
NGC 7343 31"	Peg 17mmT4	Galaxy (R')SB(s)bc: F,CS,R,NND,R=F	EF,VS,R,LBM,S*INV
PGC 68011 31"	Peg 17mmT4	Galaxy S VF,S,EON,NND,R=F	
PGC 68259 31"	Peg 17mmT4	Galaxy Sa F,S,R,NND,R=F	
PGC 68325 31"	Peg 17mmT4	Galaxy VF,VS,R,NND,AV,R=P	
PGC 68327 31"	Peg 17mmT4	Galaxy SBcd? VF,CS,EON,NND,AV,R=P	

Observations Listing by Date

October 23, 2008 Hidden Hollow - RAS

PGC 68331 31"	Peg 17mmT4	Galaxy F,VS,OVAL,NND,AV,R=F
PGC 68341 31"	Peg 17mmT4	Galaxy Sab F,S,OVAL,UB,NND,R=F
PGC 68343 31"	Peg 17mmT4	Galaxy S VF,S,R,NND,AV,R=P
PGC 68348 31"	Peg 17mmT4	Galaxy Sc VF,VS,OVAL,NND,AV,R=P
PGC 68356 31"	Peg 17mmT4	Galaxy F,VS,R,UB,NND,R=F
PGC 68368 31"	Peg 17mmT4	Galaxy C F,CS,R,NND,R=F
PGC 68393 31"	Peg 17mmT4	Galaxy VF,VS,OVAL,NND,AV,R=F
PGC 68543 31"	Peg 17mmT4	Galaxy SA(s)c VF,S,R,NND,AV,R=F
PGC 68952 31"	Peg 17mmT4	Galaxy C CF,CS,R,UB,NND,R=F
PGC 69095 31"	Peg 17mmT4	Galaxy SBb F,S,OVAL,UB,NND,R=F
PGC 69148 31"	Peg 17mmT4	Galaxy S F,S,OVAL,UB,NND,R=F
PGC 69220 31"	Peg 17mmT4	Galaxy Sd: VF,VS,OVAL,NND,AV,R=F
PGC 69281 31"	Peg 17mmT4	Galaxy Sb CF,CS,EL,OVAL,UB,NND,R=F
PGC 69305 31"	Peg 17mmT4	Galaxy S0 F,S,OVAL,NND,R=F
PGC 69351 31"	Peg 17mmT4	Galaxy S VF,S,OVAL,NND,AV,R=F
PGC 69360 31"	Peg 17mmT4	Galaxy S0 F,S,OVAL,,NND,R=F
PGC 69387 31"	Peg 17mmT4	Galaxy E F,S,OVAL,UB,NND,R=F
PGC 69402 31"	Peg 17mmT4	Galaxy SB?b VF,S,OVAL,NND,AV,R=F
PGC 69434 31"	Peg 17mmT4	Galaxy S? F,S,R,UB,NND,R=F

Observations Listing by Date

October 23, 2008 Hidden Hollow - RAS

PGC	69486	Peg	Galaxy SB0/a
	31"	17mmT4 F,CS,OVAL,UB,NND,R=F	
PGC	69493	Peg	Galaxy S0
	31"	17mmT4 CF,CS,R,UB,NND,R=F	
PGC	69524	Peg	Galaxy S
	31"	17mmT4 CF,CS,EON,NND,AV,R=F	

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September 28, 2008 Hidden Hollow - RAS

IC	1313	Cap	Galaxy (R')SB(r)ab	
	31"	17mmT4	F,S,OVAL,UB,NND,R=F	
IC	1319	Cap	Galaxy Sb	
	31"	17mmT4	VF,S,R,UB,NND,R=F	
IC	1321	Cap	Galaxy (R')SB(r)bc	
	31"	17mmT4	CF,VS,R,NND,R=F	
IC	1324	Cap	Galaxy (R')SA(rs)0/a:	
	31"	17mmT4	F,S,R,UB,NND,R=F	
IC	1328	Cap	Galaxy S	
	31"	17mmT4	EF,ES,OVAL,NND,AV,R=F	
IC	1334	Cap	Galaxy SAa:	F, S
	31"	17mmT4	F,S,EL,OVAL,NND,R=F	
IC	1336	Cap	Galaxy Sa?	
	31"	17mmT4	EF,ES,R,NND,AV,R=P	
IC	1356	Cap	Galaxy S	
	31"	17mmT4	F,VS,R,UB,NND,R=F	
IC	1386	Cap	Galaxy SA0-:	
	31"	17mmT4	CF,CS,OVAL,UB,NND,R=F	
IC	1393	Cap	Galaxy S0	
	31"	17mmT4	VF,VS,OVAL,NND,R=F	
IC	1408	Cap	Galaxy S0	
	31"	17mmT4	PF,VS,EL,OVAL,UB,NND,R=F	
IC	5122	Cap	Galaxy S0:	
	31"	17mmT4	F,S,EON,NND,AV,R=P	
NGC	6897	Cap	Galaxy Sbc	VF,S
	31"	17mmT4	F,S,OVAL,NND,R=F	
NGC	6898	Cap	Galaxy (R')SB(rs)a:	F,S,IR
	31"	17mmT4	CF,S,OVAL,UB,NND,R=F	
NGC	6908	Cap	Galaxy SB(s)bc	EF,VS,LE,6907P
	31"	17mmT4	PF,PS,OVAL,UB,NND,R=F	
NGC	6912	Cap	Galaxy SB(s)c	VF,2*14,15NP,*8F
	31"	17mmT4	VF,S,R,NND,R=F	
NGC	6924	Cap	Galaxy SA(s)0-:	VF,PS,R,SBMN
	31"	17mmT4	PF,ES,OVAL,UB,NND,R=F	
NGC	6931	Cap	Galaxy Sb pec?	EF,PS,E120,GBM
	31"	17mmT4	PF,S,OVAL,UB,NND,R=F	
NGC	6936	Cap	Galaxy SA0- sp:	VF,VS,R,SLBM
	31"	17mmT4	PF,PS,OVAL,UB,NND,R=F	

Observations Listing by Date

September 28, 2008 Hidden Hollow - RAS

NGC	6986	Cap	Galaxy SB0-?	VF,VS,R,GLBMN
	31"	17mmT4	F,S,OVAL,FNUC,R=F	
NGC	7016	Cap	Galaxy E0	VF,ES,R,BMN,1ST OF 3
	31"	17mmT4	F,S,R,NND,R=F	
NGC	7017	Cap	Galaxy S0	EF,VS,R,BMN,2ND OF 3
	31"	17mmT4	CF,S,R,UB,NND,R=F	
NGC	7018	Cap	Galaxy E	VF,VS,VLE,GLBM,3 OF3
	31"	17mmT4	VF,S,OVAL,NND,AV,R=F	
NGC	7019	Cap	Galaxy SB(s)b:	VF,VS,R,SBMN
	31"	17mmT4	VF,VS,R,NND,AV,R=F	
NGC	7030	Cap	Galaxy (R')SB(r)ab pec	VF,VS,IR,BMN
	31"	17mmT4	PF,S,OVAL,UB,NND,R=F	
NGC	7035	Cap	Galaxy SAB(s)0:	EF,S,IR
	31"	17mmT4	VF,VS,OVAL,NND,AV,R=P	
NGC	7035A	Cap	Galaxy L	
	31"	17mmT4	VF,VS,OVAL,NND,AV,R=F	
NGC	7073	Cap	Galaxy Sa/b	VF,VS,IR
	31"	17mmT4	VF,S,R,NND,R=F	
NGC	7103	Cap	Galaxy E+1	VF,VS,R,GBM,1ST OF 2
	31"	17mmT4	CF,CS,R,UB,NND,R=F	
NGC	7104	Cap	Galaxy E0 pec:	VF,VS,IR,GBMN,2NDOF2
	31"	17mmT4	F,S,R,UB,NND,R=F	
NGC	7131	Cap	Galaxy (R')SA(rs)0^?	VF,S,VLE,VGBM
	31"	17mmT4	PF,CS,EL,OVAL,UB,NND,R=F	
PGC	64672	Cap	Galaxy Sc	
	31"	17mmT4	CF,ES,R,NND,AV,R=F	
PGC	64907	Cap	Galaxy IBm pec	
	31"	17mmT4	EF,VS,OVAL,NND,AV,R=F	
PGC	65555	Cap	Galaxy Scd? sp	
	31"	17mmT4	VF,S,OVAL,NND,R=F	

Observations Listing by Date

September 1, 2008 Hidden Hollow - RAS

IC	1298	Aql	Open Cluster	VS CL, 6778 P 3'	
	31"	17mmT4	OPEN CLUSTER?? NOTHING ELSE THERE.		
IC	4997	Sge	Planetary Neb 1		
	31"	17mmT4	PB,ES,R=F. NO CENTRAL STAR		
NGC	6838	Sge	M71	Globular	CL,VL,VRI,PMC,*11.16
	31"	17mmT4	PB,PS,USB,R=G, NICE GLOBULA		
NGC	6842	Vul	Planetary Neb 3b	F,PL,VLE	
	31"	17mmT4	PF,PS,R=P. NO CENTRAL STAR		
NGC	6853	Vul	M27	Planetary Neb 3+2	VB,VL,BIN,IE,DUMBDEL
	31"	17mmT4	VB,CL,R=E. NO CENTRAL STAR		
NGC	6886	Sge	Planetary Neb 2+3	PLN,STELLAR=10M	
	31"	17mmT4	PB,VS,R=F. NO CENTRAL STAR		
NGC	6921	Vul	Galaxy SA(r)0/a:	F,S,E	
	31"	17mmT4	PF,S,R,FNUC,R=F		
NGC	7052	Vul	H145-3	Galaxy E	F,S,VLE,R
	31"	17mmT4	PF,S,EL,OVAL,UB,NND,R=F		
NGC	7080	Vul	Galaxy SB(r)b	VF,S,VLE	
	31"	17mmT4	PF,S,R,FNUC,R=F		
PGC	35977	Leo	Galaxy S?		
	31"	17mmT4	CF,VS,OVAL,NND,R=F		

Observations Listing by Date

August 31, 2008		Hidden Hollow - RAS			
IC	1317	Aql	Galaxy E+?		
	31"	17mmT4	CF,CS,R,UB,NND,R=F		
IC	1327	Aql	Galaxy S0+?		
	31"	17mmT4	VF,VS,R,NND,AV,R=F		
MAC	2033+0659	Del	Galaxy		
	31"	17mmT4	VF,VS,R,NND,R=F		
NGC	6772	Aql	H14-4 Planetary Neb 3b+2	VF,L,R,VVLBM,R	
	31"	17mmT4	VF,VS,R,R=P,NO CENTRAL STAR		
NGC	6778	Aql	Planetary Neb 3+3	S,E,ILL-DEFINED DISC	
	31"	17mmT4	PB,PS,R,R=G, NO CENTRAL STAR		
NGC	6807	Aql	Planetary Neb 2	PLN,STELLAR	
	31"	17mmT4	CF,CS,R,R=P, NO CENTRAL STAR		
NGC	6821	Aql	Galaxy SB(s)d:	F,PL,R	
	31"	17mmT4	CF,CS,OVAL,UB,NND,R=F		
NGC	6865	Aql	Galaxy S0	F,S,E	
	31"	17mmT4	CF,CS,R,UB,NND,R=F		
NGC	6900	Aql	Galaxy Sb	VF,S,R	
	31"	17mmT4	DIFF,PF,PS,OVAL,NND,R=F		
NGC	6901	Aql	Galaxy SB(r)ab	EF	
	31"	17mmT4	CF,CS,OVAL,FNUC,R=G		
NGC	6915	Aql	Galaxy (R')Sab?	PB,S,R	
	31"	17mmT4	PB,PS,EON,UB,NND,R=G		
NGC	6922	Aql	Galaxy SA(rs)c pec:	VF,PL,R	
	31"	17mmT4	VF,CS,OVAL,NND,R=P		
NGC	6926	Aql	H142-3 Galaxy SB(s)bc pec	VF,PL,E176,P OF 2	
	31"	17mmT4	DIFF,CF,S,OVAL,NND,R=F		
NGC	6927	Del	Galaxy S0: sp	EF,LE	
	31"	17mmT4	VF,VS,OVAL,NND,R=F		
NGC	6927A	Del	Galaxy E6:		
	31"	17mmT4	VF,VS,R,NND,AV,R=P		
NGC	6928	Del	Galaxy SB(s)ab	PB,PL,ME	
	31"	17mmT4	PF,PS,EON,FNUC,MSB,R=F		
NGC	6929	Aql	Galaxy SA0+ pec:	VF,VS,SF OF 2	
	31"	17mmT4	PF,CS,R,UB,NND,R=G		
NGC	6930	Del	Galaxy SB(s)ab? sp	F,ME	
	31"	17mmT4	DIFF,PF,PS,OVAL,NND,R=F		
NGC	6934	Del	H103-1 Globular	GCL,B,L,R,RRR,*16...	
	31"	17mmT4	PB,PS,R=G		

Observations Listing by Date

August 31, 2008**Hidden Hollow - RAS**

NGC	6941	Aql	Galaxy SAB(rs)b	EF,LE,LBM
	31"	17mmT4	DIFF,PF,S,OVAL,NND,R=P	
PGC	64553	Aql	Galaxy SB(s)d:	
	31"	17mmT4	VF,VS,OVAL,NND,AV,R=P	
PGC	64812	Aql	Galaxy Sb	
	31"	17mmT4	VF,VS,R,NND,AV,R=P	
PGC	64854	Aql	Galaxy	
	31"	17mmT4	VF,VS,R,NND,R=F	
PGC	64864	Aql	Galaxy SB(rs)0/a:	
	31"	17mmT4	CF,CS,OVAL,NND,R=F	
PGC	64880	Aql	Galaxy E	
	31"	17mmT4	VF,VS,R,NND,R=F	
PGC	64910	Aql	Galaxy (R')SAB(rs)bc p	
	31"	17mmT4	CF,S,OVAL,NND,R=P	
PGC	64976	Del	Galaxy	
	31"	17mmT4	EF,ES,R,NND,AV,R=P	
PGC	64995	Del	Galaxy E	
	31"	17mmT4	VF,VS,R,NND,AV,R=F	
PGC	64999	Del	Galaxy Sc	
	31"	17mmT4	VF,VS,EON,NND,AV,R=F	
PGC	65060	Del	Galaxy Sb	
	31"	17mmT4	PF,CS,OVAL,UB,NND,R=F	
PGC	65099	Del	Galaxy S0	
	31"	17mmT4	CF,S,OVAL,NND,R=F	
PGC	65138	Del	Galaxy E	
	31"	17mmT4	PF,VS,OVAL,UB,NND,R=F	

August 3, 2008**Hidden Hollow - RAS**

NGC	5600	Boo	H177-2 Galaxy Sc pec	PB,PS,GBM
	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F	
NGC	5614	Boo	H420-2 Galaxy SA(r)ab pec	PB,S,R,SMBM
	8"	11mmT6	VF,VS,R,NND,AV,R=F	
NGC	5653	Boo	H330-2 Galaxy (R')SA(rs)b	PF,PS,R,BM
	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F	
NGC	5687	Boo	H808-2 Galaxy S0-?	PF,S,IF,RESOLVA,*10F
	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F	
NGC	5899	Boo	H650-2 Galaxy SAB(rs)c	CB,PL,PME,SMBMN
	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F	

Observations Listing by Date

June 30, 2008**Hidden Hollow - RAS**

NGC 6702 16"	Lyr 17mmT4	PF,PS,R,NND,R=F	Galaxy E:	PF,S,LE
NGC 6703 16"	Lyr 17mmT4	B,PS,OVAL,NND,R=F	Galaxy SA0-	B,S,R,MBM
NGC 6710 16"	Lyr 17mmT4	PF,PS,OVAL,ND,R=F	Galaxy SA0+?	VF,S,R,BM
NGC 6720 16"	Lyr 17mmT4	M57 PB,PL,R,NO CENTRAL STAR,R=G	Planetary Neb 4+3	RINGNEB,B,PL,CE,LYRA
NGC 6765 16"	Lyr 11mmT6	VF,PS,R,NO CENTRAL STAR,R=F	Planetary Neb 5	F,S,E
NGC 6779 16"	Lyr 17mmT4	M56 PB,PL,R=G	Globular	GCL,B,L,IR,GVMCM,RRR

April 26, 2008**Hidden Hollow - RAS**

IC 700 31"	Leo 17mmT4	VF,VS,OVAL,UB,NND,R=F	Galaxy S0?	
IC 2759 31"	Leo 17mmT4	PB,S,OVAL,UB,NND,R=F	Galaxy S?	
NGC 3651 31"	Leo 17mmT4	H335-3 PB,S,OVAL,UB,NND,R=F	Galaxy E	CF,VS,R,BM,NP OF 2
NGC 3653 31"	Leo 17mmT4	H336-3 PB,S,OVAL,NND,MSB,R=F	Galaxy S0?	VF,VS,SF OF 2
NGC 3697 31"	Leo 17mmT4	DIFF,PF,PL,EON,UB,NND,R=G	Galaxy SABb	EF,VS,E90
PGC 34881 31"	Leo 17mmT4	PB,S,R,UB,NND,R=F	Galaxy S0?	
PGC 34901 31"	Leo 17mmT4	VF,VS,R,NND,AV,R=F	Galaxy Star ??	
PGC 34907 31"	Leo 17mmT4	B,VS,R,UB,R=F	Galaxy S?	
PGC 35179 31"	Leo 17mmT4	VF,VS,EL,OVAL,NND,R=F	Galaxy S	
PGC 35183 31"	Leo 17mmT4	VF,VS,EL,,OVAL,NND,R=F	Galaxy SB?	
PGC 35355 31"	Leo 17mmT4	PF,S,OVAL,UB,NND,R=F	Galaxy S?	
PGC 35360 31"	Leo 17mmT4	PF,VS,EL,OVAL,UB,FNUC,R=G	Galaxy S0?	
PGC 35381 31"	Leo 17mmT4	VF,VS,R,NND,	Galaxy S	

Observations Listing by Date

April 9, 2008

Hidden Hollow - RAS

NGC	1663	Ori	H7-8	Open Cluster IV 2 p c	CL,LRI,ST L\$\$
	8"	11mmT6	PF,PS,R=F		
NGC	1762	Ori	H453-3	Galaxy SA(rs)c:	VF,VS
	8"	11mmT6	PF,PS,OVAL,NND,USB,R=F		
NGC	2252	Mon	H50-8	Open Cluster 9.0 III 2 m n	CL,VL,PRI,LC,STS
	8"	11mmT6	PB,L,R=G		
NGC	2274	Gem	H615-2	Galaxy E	F,S,BM
	8"	11mmT6	PF,VS,EON,NND,LSB,AV,R=F		
NGC	2302	Mon	H39-8	Open Cluster 12.0 III 2 m	CL,L,P,LC
	8"	11mmT6	B,S,SPARSE,R=F		
NGC	2331	Gem	H40-8	Open Cluster 9.0 IV 2 m	CL,L,VLC,S CL INV
	8"	11mmT6	F,S,SCATTERED,R=F		
NGC	2346	Mon	H65-4	Planetary Neb 3b+4	*10AFF W/ S,VF,NEB
	8"	11mmT6	PF,PS,NO CENTRAL STAR,R=F		
NGC	3611	Leo	H521-2	Galaxy SA(s)a pec	PF,CS,IR,PSMBM,*NP3'
	8"	11mmT6	PF,PS,OVAL,NND,LSB,R=F		
NGC	4124	Vir	H33-1	Galaxy SA(r)0+	PB,PL,ME118,BM,R
	8"	11mmT6	PF,PS,R,NND,LSB,R=F		
NGC	4224	Vir	H136-2	Galaxy SA(s)a: sp	PB,PS,LE,GBM,R
	8"	11mmT6	PF,PS,EON,NND,LSB,R=F		
NGC	4233	Vir	H496-2	Galaxy S0^	PF,R,VSBMSN
	8"	11mmT6	PF,CS,OVAL,FNUC,LSB,R=F		
NGC	4235	Vir	H17-2	Galaxy SA(s)a sp	PB,PL,PME,BM,P OF 2
	8"	11mmT6	PF,PS,EON,UB,FNUC,R=G		
NGC	4241	Vir	H480-3	Galaxy SA(s)0+:	VF,L,VGBM,*7S
	8"	11mmT6	PF,PS,OVAL,LSB,AV,R=F		
NGC	4260	Vir	H138-2	Galaxy SB(s)a	PB,E,PSBM
	8"	11mmT6	PF,PS,OVAL,UB,NND,R=F		
NGC	4264	Vir	H140-2	Galaxy SB(rs)0+	F,PS,R,GBM
	8"	11mmT6	VF,VS,R,NND,AV,R=F		
NGC	4267	Vir	H166-2	Galaxy SB(s)0-?	PB,VS,R,VSBMBM
	8"	11mmT6	PF,PS,OVAL,FNUC,R=G		
NGC	4270	Vir	H568-2	Galaxy S0	PB,S,R
	8"	11mmT6	PF,PS,EON,FNUC,MSB,R=G		
NGC	4339	Vir	H143-2	Galaxy E0	B,PL,R,BM,3RD OF 3
	8"	11mmT6	PF,PS,R,FNUC,MSB,R=G		
NGC	4343	Vir	H94-3	Galaxy SA(rs)b:	PF,S,E,(D)
	8"	11mmT6	PF,PS,EON,UB,NND,R=F		

Observations Listing by Date

April 9, 2008**Hidden Hollow - RAS**

NGC	4691	Vir	H182-2	Galaxy (R)SB(s)0/a pec	PB,PL,E90,MBM
	8"	11mmT6	PF,PS,R,FNUC,MSB,R=G		
NGC	4880	Vir	H83-3	Galaxy SA(r)0+:	CF,PL,R,VGLBM,R
	8"	11mmT6	VF,CS,R,NND,LSB,AV,R=F		
NGC	4902	Vir	H69-1	Galaxy SB(r)b	PB,PL,IR,ST NR
	8"	11mmT6	VF,CS,R,NND,LSB,AV,R=F		
NGC	4904	Vir	H517-2	Galaxy SB(s)cd	PB,PS,R,BM
	8"	11mmT6	VF,CS,R,NND,AV,R=F		
NGC	4915	Vir	H47-4	Galaxy E0	PB,S,R,BM
	8"	11mmT6	VF,VS,R,NND,AV,R=F		
NGC	4928	Vir	H190-2	Galaxy SA(s)bc pec	F,PS,VLE,GLBM
	8"	11mmT6	VF,PL,OVAL,NND,LSB,R=F		
NGC	4939	Vir	H561-2	Galaxy SA(s)bc	PB,L,R,GMBM
	8"	11mmT6	DIFF,VF,PL,OVAL,NND,LSB,R=F		
NGC	4941	Vir	H40-1	Galaxy (R)SAB(r)ab:	PF,L,E,GBMBN,R
	8"	11mmT6	PF,CS,EL,OVAL,UB,NND,R=F		
NGC	4981	Vir	H189-2	Galaxy SAB(r)bc	B,PL,R,*10SF1'
	8"	11mmT6	PF,CS,R,NND,LSB,R=F		
NGC	4984	Vir	H301-2	Galaxy (R)SAB(rs)0+	B,PL,R,PSMBM
	8"	11mmT6	PB,PS,OVAL,FNUC,MSB,R=G		
NGC	4999	Vir	H537-2	Galaxy SB(r)b	CF,PL,R,LBM,ER
	8"	11mmT6	DIFF,VF,PS,OVAL,NND,AV,R=F		
NGC	5018	Vir	H746-2	Galaxy E3:	CB,S,R,MBMPBN
	8"	11mmT6	PB,PS,OVAL,FNUC,R=G		
NGC	5020	Vir	H129-2	Galaxy SAB(rs)bc	CF,CL,VLE,LBM
	8"	11mmT6	PF,PS,R,FNUC,LSB,R=G		
NGC	5037	Vir	H510-2	Galaxy SA(s)a:	CF,PS,VLE,BM
	8"	11mmT6	VF,VS,EON,NND,AV,R=F		
NGC	5044	Vir	H511-2	Galaxy E0	PB,PL,R,BM
	8"	11mmT6	PF,CS,R,FNUC,MSB,R=G		
NGC	5068	Vir	H312-2	Galaxy SAB(rs)cd	F,L,IR,BM
	8"	11mmT6	DIFF,VF,PL,R,NND,AV,R=F		
NGC	5077	Vir	H193-2	Galaxy E3-4	PB,S,VLE,SBM,2ND OF3
	8"	11mmT6	PF,PS,OVAL,UB,FNUC,R=G		
NGC	5084	Vir	H313-2	Galaxy S0 sp	CB,CS,VLE90,BF
	8"	11mmT6	PF,PL,EON,UB,FNUC,R=G		
NGC	5087	Vir	H724-3	Galaxy SA0:	CF,VS,IF
	8"	11mmT6	PF,PS,OVAL,FNUC,MSB,R=G		

Observations Listing by Date

April 9, 2008**Hidden Hollow - RAS**

NGC	5129	Vir	H653-2	Galaxy E	PB,VS,R,GMBM,**F
	8"	11mmT6	PF,PS,R,NND,AV,R=F		
NGC	5134	Vir	H314-2	Galaxy SA(s)b?	F,PS,LE,VGBM
	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC	5426	Vir	H309-2	Galaxy SA(s)c pec	PF,CL,R,GMBM,SP OF 2
	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC	5813	Vir	H127-1	Galaxy E1-2	B,PS,R,PSMBM
	8"	11mmT6	PF,PS,OVAL,FNUC,MSB,R=G		

Observations Listing by Date

April 7, 2008

Hidden Hollow - RAS

IC	761	Crv	Galaxy S0	
	31"	17mmT4	B,VS,OVAL,UB,NND,R=F	
IC	766	Crv	Galaxy SAB(r)0+? sp	
	31"	17mmT4	B,PS,EON,UB,FNUC,R=G	
MAC	1044+1403	Leo	Galaxy	
	31"	17mmT4	VF,VS,EON,NND,AV,R=F	
MAC	1044+1406	Leo	Galaxy	
	31"	17mmT4	PF,VS,OVAL,NND,R=F	
MAC	1049+1616	Leo	Galaxy	
	31"	17mmT4	PF,PS,OVAL,NND,LSB,R=F	
MAC	1049+1617	Leo	Galaxy	
	31"	17mmT4	VF,VS,R,NND,AV,R=F	
MAC	1207-1408	Crv	Galaxy	
	31"	17mmT4	VF,VS,OVAL,NND,AV,R=F	
NGC	3094	Leo	Galaxy SB(s)a	F,BM,*9 30"SF
	31"	17mmT4	B,S,OVAL,UB,HSB,R=G	
NGC	3107	Leo	H898-2 Galaxy Sbc:	PF,PL,IR,*8NP 112"
	31"	17mmT4	F,S,OVAL,UB,NND,R=F	
NGC	3119	Leo	Non-Existent	VF
	31"	17mmT4	F,PS,OVAL,UB,NND,R=F	
NGC	3352	Leo	Galaxy S0	PB,S,R,BMN
	31"	17mmT4	B,PS,OVAL,FNUC,R=F	
NGC	3357	Leo	Galaxy E+:	F,S,MBM
	31"	17mmT4	B,PS,R,FNUC,HSB,R=G	
NGC	3362	Leo	Galaxy SABc	VF,PS,R,LBM,R
	31"	17mmT4	F,L,OVAL,UB,NND,R=F	
NGC	3363	Leo	Galaxy S?	F,PS,IR,LBM,R
	31"	17mmT4	F,L,OVAL,UB,NND,R=F	
NGC	3391	Leo	Galaxy S?	F,S,R,BET2* NR
	31"	17mmT4	B,PS,OVAL,UB,NND,HSB,R=F	
NGC	3399	Leo	Galaxy S0?	F,VS
	31"	17mmT4	PB,S,R,UB,NND,HSB,R=G	
NGC	3405	Leo	Galaxy S0	F,ES,ALMSTELL,S*NR
	31"	17mmT4	PB,S,R,UB,NND,HSB,R=G	
NGC	3417	Leo	Galaxy	EF,VS,ALM STELL
	31"	17mmT4	VF,S,OVAL,NND,AV,R=F	
NGC	3419	Leo	Galaxy (R)SAB(r)0+	F,VS,R,ALMSTEL,S*VNR
	31"	17mmT4	PB,PS,R,BNUC,HSB,R=G	

Observations Listing by Date

April 7, 2008

Hidden Hollow - RAS

NGC 3419A 31"	Leo 17mmT4	Galaxy SB(s)b: sp PF,PS,EON,UB,NND,R=F	
NGC 3425 31"	Leo 17mmT4	H108-3 Non-Existent PF,PS,R,UB,NND,R=F	EF,ES,R
NGC 3426 31"	Leo 17mmT4	Galaxy S? PB,PS,OVAL,BNUC,HSB,R=G	PF,S,R,D*N
NGC 3427 31"	Leo 17mmT4	Galaxy S0/a B,S,EL,OVAL,FNUC,R=F	NEB,NO DESCR
NGC 3428 31"	Leo 17mmT4	Galaxy SAB(s)b B,L,EON,UB,NND,R=F	VF,S,LE,GLBM
NGC 4027 31"	Crv 17mmT4	H296-2 Galaxy SB(s)dm PB,PS,R,UB,FNUC,MSB,R=G	GCL,PF,PL,R,RR,ST16
NGC 4027A 31"	Crv 17mmT4	Galaxy IB(s)m: VF,VS,R,NND,AV,R=F	
NGC 4035 31"	Crv 17mmT4	H279-3 Galaxy (R')SAB(rs)bc p PF,PS,OVAL,NND,LSB,R=F	EF,PL,*9M NR
NGC 4114 31"	Crv 17mmT4	H533-3 Galaxy (R')SAB(rs)a: F,PS,OVAL,UB,NND,R=F	CF,S,IR,GBM
NGC 4177 31"	Crv 17mmT4	H534-3 Galaxy SA(rs)c pec: DIFF,F,S,OVAL,NND,LSB,R=F	VF,PL,R,VGBM
NGC 4188 31"	Crv 17mmT4	Galaxy Sb F,S,R,NND,LSB,R=F	EF,PS
NGC 4225 31"	Crv 17mmT4	Galaxy S0/a F,PS,R,UB,NND,R=G	F,ES,R,*60"S
NGC 4265 31"	Crv 17mmT4	H535-3 Galaxy Sb F,PS,EL,OVAL,NND,LSB,R=F	VF,PS,R
PGC 29372 31"	Leo 17mmT4	Galaxy Sb VF,VS,R,NND,AV,R=F	
PGC 32418 31"	Leo 17mmT4	Galaxy PF,VS,R,NND,R=F	
PGC 32419 31"	Leo 17mmT4	Galaxy PF,VS,OVAL,NND,AV,R=F	
PGC 32572 31"	Leo 17mmT4	Galaxy DB DIFF,PF,PL,OVAL,NND,LSB,R=F	
PGC 38354 31"	Crv 17mmT4	Galaxy E? B,VS,OVAL,UB,NND,R=F	

Observations Listing by Date

April 2, 2008**Hidden Hollow - RAS**

NGC 2916 8"	Leo 11mmT6	H260-2 PF,PS,OVAL,NND,AV,R=F	Galaxy SA(rs)b?	F,S,VLE
NGC 3379 8"	Leo 11mmT6	M105 H17-1 PB,PLM,R,BNUC,HSB,R=G	Galaxy E1	VB,CL,R,PSBM,R
NGC 3384 8"	Leo 11mmT6	H18-1 PB,PL,OVAL,UB,FNUC,R=G	Galaxy SB(s)0-	VB,L,R,PSMBM,2ND OF3
NGC 3389 8"	Leo 11mmT6	H41-2 PF,PS,OVAL,NND,R=F	Galaxy SA(s)c	F,L,E PF,VGLBM,3RD-3
NGC 3818 8"	Vir 11mmT6	H284-3 B,S,OVAL,FNUC,R=F	Galaxy E5	F,PS,R,PSBM
NGC 4116 8"	Vir 11mmT6	Galaxy SB(rs)dm VF,PS,OVAL,NND,AV,R=F		VF,E,SPOF2,HOOKSHAPE
NGC 4123 8"	Vir 11mmT6	H4-5 VF,L,OVAL,NND,AV,R=F	Galaxy SB(r)c	CF,VL,E90,BMN
NGC 4594 31"	Vir 40mm	M104 H43-1 PB,PL,EON,BNUC,HISB,R=E	Galaxy SA(s)a sp	VB,VL,EE92,VSMBMN

March 28, 2008**Home**

NGC 2527 1.9"	Pup 12x50	H30-8 PB,PL,R=G	Open Cluster II2m	CL,VL,PRI,LC,*10..15
NGC 2539 1.9"	Pup 12x50	H11-7 PB,PL,R=G	Open Cluster 9.0 III 2 m	CL,VL,RI,LC,*11...13
NGC 2571 1.9"	Pup 12x50	H39-6 B,S,R=F	Open Cluster 8.8 II 3 m	CL,VL,CRI,LC,ST9...

Observations Listing by Date

November 13, 2007 Hidden Hollow - RAS

IC	5076	Cyg	Nebula E	
	8"	11mmT6	PF,PS,HINT OF NEBULOSITY,R=F	
NGC	1032	Cet	H5-2	Galaxy S0/a sp
	8"	11mmT6	VF,VS,R,NND,AV,R=F	PB,S,VLE,BM,3*TRAP
NGC	1035	Cet	H284-2	Galaxy SA(s)c?
	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F	PF,L,ME,R,*17ATT SF
NGC	1068	Cet	M77	Galaxy (R)SA(rs)b
	8"	11mmT6	PB,L,OVAL,BNUC,HISB,R=G	VB,PL,IR,SBMRRN
NGC	1073	Cet	H455-3	Galaxy SB(rs)c
	8"	11mmT6	VF,VS,R,NND,AV,R=F	VF,L,LBM,ER
NGC	1184	Cep	H704-2	Galaxy S0/a
	8"	11mmT6	VF,VS,OVAL,NND,R=F	F,PL,ME
NGC	6058	Her	H637-3	Planetary Neb 3+2
	8"	11mmT6	VF,VS,AV,R=F, NO CENTRAL STAR	PF,VS,R,STELLAR
NGC	6548	Her	H555-3	Galaxy SB0
	8"	11mmT6	DIFF,PF,PS,R,NND,R=F	CF,S,LE,R
NGC	6824	Cyg	H878-2	Galaxy SA(s)b:
	8"	11mmT6	CF,CS,R,UB,NND,R=F	PB,IF,BM
NGC	6826	Cyg	H73-4	Planetary Neb 3a+2
	8"	11mmT6	PB,PS,R,R=G, NO CENTRAL STAR	PLN,B,PL,R,*11M
NGC	6991	Cyg	H76-8	Open Cluster 5.7 III 2 n
	8"	11mmT6	PB,PL,R=G,STARS=30+, 3 ROWS?	CL,L,P,VLC
NGC	6997	Cyg	H58-8	Open Cluster III 2 m n
	8"	11mmT6	PF,PS,LOOSE GROUP, R=F	CL,P,LC,ST L
NGC	7023	Cep	H74-4	Nebula R
	8"	19mmW	PF,PS,HINT OF NEBULOSITY,R=F	*7IN EF,EL,NEBY
NGC	7082	Cyg	H52-7	Open Cluster 9.9 IV 2 p
	8"	11mmT6	PF,PS,R=F	CL,L,CRI,LC,ST10..13
NGC	7129	Cep	H75-4	Nebula IV 2 p n
	8"	19mmW	PF,CS,LOOSE CLUSTER, HINT OF NEBULOSITY,R=F	CF,PL,GBM***
NGC	7245	Lac	H29-6	Open Cluster 12.8 II 2 m
	8"	11mmT6	PF,VVS,R=P	CL,C,ST ES
NGC	7419	Cep	H43-7	Open Cluster 10.0 I 2 m
	8"	11mmT6	VF,VS,FAINT SMUDGE,R=F	CL,PRI,CC
NGC	7600	Aqr	H431-2	Galaxy S0- sp
	8"	11mmT6	PF,PS,R,NND,R=F	CF,S,R,PSMBM
NGC	7762	Cep	H55-7	Open Cluster 11.0 II 2 m
	8"	11mmT6	PF,PS,FAINT,R=F	CL,PRI,PC,*11...15

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IC	154	Psc	Galaxy Sb	
	31"	17mmT4	VF,VS,EON,NND,R=F	
IC	156	Psc	Galaxy S?	
	31"	17mmT4	PB,PS,OVAL,BNUC,R=G	
IC	1727	Tri	Galaxy SB(s)m	
	31"	17mmT4	DIFF,PF,CL,OVAL,NND,R=F	
NGC	151	Cet	H478-2 Galaxy SBbc	PF,PL,LE90,VGLBM
	31"	17mmT4	PB,PL,OVAL,FNUC,HSB,R=G	
NGC	198	Psc	H857-2 Galaxy SA(r)c	F,S,VGBM
	31"	17mmT4	PB,PL,R,NND,UB,R=F	
NGC	200	Psc	H858-2 Galaxy SB(s)bc	PB,S,VGBM
	31"	17mmT4	PB,PL,OVAL,UB,NND,R=F	
NGC	206	And	H36-5 Knot in Galaxy	VF,VL,ME0
	31"	17mmT4	DIFF,PF,CL,R=F,IRREGULAR SHAPE.	
NGC	217	Cet	H480-2 Galaxy S0/a: sp	F,S,LE90,GLBM
	31"	17mmT4	PB,PS,EON,FNUC,R=G	
NGC	337	Cet	H433-2 Galaxy SB(s)d	PF,L,E,GLBM,*10F21S
	31"	17mmT4	PB,PL,OVAL,UB,NND,R=G	
NGC	337A	Cet	Galaxy SAB(s)dm	
	31"	17mmT4	DIFF,PF,CL,OVAL,NND,R=F	
NGC	355	Cet	Galaxy SB0^ pec:	EF,VS
	31"	17mmT4	PF,PS,EON,NND,AV,R=F	
NGC	357	Cet	H434-2 Galaxy SB(r)0/a:	F,S,IR,SBM,*14NF20"
	31"	17mmT4	PB,PS,OVAL,BNUC,R=G	
NGC	428	Cet	H622-2 Galaxy SAB(s)m	F,L,R,BM,ER
	31"	17mmT4	PB,PL,OVAL,UB,NND,R=G	
NGC	495	Psc	H156-3 Galaxy (R')SB(s)0/a p:	VF,S,1ST OF3
	31"	17mmT4	PB,S,OVAL,BNUC,R=F	
NGC	496	Psc	H157-3 Galaxy Sbc	VF,VS,2ND OF 3
	31"	17mmT4	PF,PL,OVAL,UB,NND,R=F	
NGC	499	Psc	H158-3 Galaxy S0-	PB,PL,R,3RD OF 3
	31"	17mmT4	PB,PL,OVAL,BNUC,HSB,R=G	
NGC	513	And	H169-3 Galaxy S?	F,S,STELLAR
	31"	17mmT4	PB,PS,OVAL,FNUC,R=F	
NGC	604	Tri	H150-3 Knot in Galaxy	B,VS,R,VVLBM
	31"	17mmT4	VB,PS,COMPACT RECTANGULAR,R=G	
NGC	636	Cet	H283-2 Galaxy E3	PB,VS,R,MBM,R
	31"	17mmT4	PB,PS,OVAL,BNUC,R=G	

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NGC 665 31"	Psc 17mmT4	H588-2 PB,PL,OVAL,BNUC,R=G	Galaxy (R)S0^?	F,S,LE,BM,R
NGC 665 31"	Psc 17mmT4	H588-2 PB,PL,OVAL,BNUC,R=G	Galaxy (R)S0^?	F,S,LE,BM,R
NGC 672 31"	Tri 17mmT4	H157-1 PB,CL,EON,UB,NND,R=G	Galaxy SB(s)cd	F,PL ,ME80
NGC 706 31"	Psc 17mmT4	H596-2 PF,PL,OVAL,UB,NND,R=F	Galaxy Sbc?	F,S,BM,*13N1'
NGC 890 31"	Tri 17mmT4	H225-2 PB,PS,OVAL,BNUC,HSB,R=G	Galaxy SAB(r)0-?	B,S,R,BM,3F*SP
NGC 925 31"	Tri 17mmT4	H177-3 DIFF,B,PL,OVAL,NND,R=F	Galaxy SAB(s)d	CF,CL,E,VGBM,2*13NP
NGC 1060 31"	Tri 17mmT4	H162-3 PB,PL,OVAL,FNUC,R=F	Galaxy S0-:	F,PL,R,LBM,*F46S,3'S
NGC 7814 31"	Peg 17mmT4	H240-2 PB,PL,EL,OVAL,UB,NND,R=G	Galaxy SA(s)ab: sp	CB,CL,E,VGBM
NGC 7832 31"	Psc 17mmT4	H190-3 PB,L,OVA,,NND,R=F	Galaxy E+	VF,VS,R,VGPSMBM,2*SF
PGC 356 31"	Psc 17mmT4		Galaxy Sb	
PGC 6425 31"	Psc 17mmT4		Galaxy S IV-V	

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MEL	25	Tau	Open Cluster	
	1.9"	12x50	VB,VL,SCATTERED,R=G	
NGC	253	Sci	H1-5 Galaxy SAB(s)c	VVB,VVL,VME54,GBM
	1.9"	12x50	PB,PL,EL,OVAL,UB,ND,R=G	
NGC	1582	Per	H70-8 Open Cluster 9.0 IV 2 p	CL,VL,PRI,LC,ST L
	1.9"	12x50	PB,PL,LOOSE,R=F	
NGC	1647	Tau	H8-8 Open Cluster 9.0 II 2 r	CL,VL,ST L,SC
	1.9"	12x50	PB,PL,R=G	
NGC	1662	Ori	H1-7 Open Cluster 9.0 II 3 m	CL OF L\$\$ SC ST
	1.9"	12x50	B,S,STARS 12+,R=F	
NGC	1746	Tau	Open Cluster 8.0 III 2 p	CL,P
	1.9"	12x50	PB,PL,R=F	
NGC	1807	Tau	Open Cluster 9.0 II 2 p	CL,PRI,ST L\$\$
	1.9"	12x50	B,S,PAIR W/NGC 1817,R=F	
NGC	1817	Tau	H4-7 Open Cluster 9.0 IV 2 r	CL,L,RI,LC,ST11...14
	1.9"	12x50	B,S,PAIR W/NGC 1807,R=F	
NGC	1981	Ori	Open Cluster 10.0 III 3 p n	CL,VB,LRI,ST L,SC
	1.9"	12x50	PB,L,STARS 10+,R=F	
NGC	2169	Ori	H24-8 Open Cluster 6.9 III 3 m	CL,S,LRI,PMC,**
	1.9"	12x50	PF,S,R=F	
NGC	2251	Mon	H3-8 Open Cluster 9.1 III 2 m	CL,VL,E,RI,LC
	1.9"	12x50	F,S,R=F	

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CR	39	Per	Open Cluster III3m	
	1.9"	12x50	PB,EL,R=G, MASSIVE CLUSTER	
NGC	6738	Aql	Open Cluster IV 2 p	CL,P,LC
	1.9"	12x50	B,S,LOOSE GROUPD,R=F	
NGC	6755	Aql	H19-7 Open Cluster 11.0 II 2 r	CL,VL,VRI,PC,,*12.14
	1.9"	12x50	B,S,R=F	
NGC	6811	Cyg	Open Cluster 11.0 III 1 r	CL,L,PRI,LC,ST11..14
	1.9"	12x50	F,PS,R=F	
NGC	6871	Cyg	Open Cluster 6.8 II 2 p n	CL,ST L\$\$,D*INV
	1.9"	12x50	B,S,R=F	
NGC	6883	Cyg	Open Cluster IV 2 m n	CL,PRI,**INV
	1.9"	12x50	PB,S,R=F	

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IC	8	Psc		Galaxy Sc	
	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
IC	1495	Aqr		Galaxy Sb	
	8"	11mmT6	PF,PS,OVAL,NND,AV,R=F		
NGC	63	Psc		Galaxy S pec	PF,S,R,SBM
	8"	11mmT6	PF,PS,R,UB,NND,R=F		
NGC	125	Psc	H869-3	Galaxy (R)SA0+ pec:	VF,S,BM,D*SP
	8"	11mmT6	PF,PS,R,NND,R=F		
NGC	128	Psc	H854-2	Galaxy S0 pec sp	PB,PS,LE2,BM
	8"	11mmT6	PB,PS,OVAL,UB,NND,R=F		
NGC	224	And	M31	Galaxy SA(s)b	EEB,EL,VME,ANDROMEDA 17
	8"	19mmW	VB,VL,OVAL,BNUC,VHISB,R=E		
NGC	266	Psc	H153-3	Galaxy SB(rs)ab	PB,PS,LE,PSBM,*8SF4'
	8"	11mmT6	VF,PS,R,NND,AV,R=F		
NGC	288	ScI	H20-6	Globular	GCL,B,L,LE,*12...16
	8"	11mmT6	PB,PL,SMUDGE,RESOLVED NO STARS,R=G		
NGC	315	Psc	H210-2	Galaxy E+:	PB,PL,R,GBM,*9NF3'
	8"	11mmT6	PF,PS,OVAL,NND,R=F		
NGC	410	Psc	H220-2	Galaxy E+:	PB,PL,NF OF 2
	8"	11mmT6	CF,CS,OVAL,NND,R=F		
NGC	467	Psc	H108-1	Galaxy SA(s)0^ pec?	PB,PL,R,GBM
	8"	11mmT6	PF,VS,R,NND,R=F		
NGC	470	Psc	H250-3	Galaxy SA(rs)b	PB,L,IR
	8"	11mmT6	PB,PS,OVAL,NND,R=F		
NGC	474	Psc	H251-3	Galaxy SA(s)0^	PB,S,SMBM,F OF 2
	8"	11mmT6	PF,PL,R,NND,R=F		
NGC	514	Psc	H252-2	Galaxy SAB(rs)c	F,L,LE,VGLBM,**F
	8"	11mmT6	DIF,PF,PS,OVAL,NND,AV,R=F		
NGC	520	Psc	H253-3	Galaxy Pec	F,CL,E137
	8"	11mmT6	PB,PL,EL,OVAL,NND,R=F		
NGC	613	ScI	H281-1	Galaxy SB(rs)bc	VB,VL,VME118,SBM,*NF
	8"	11mmT6	PB,PL,OVAL,FNUC,R=G		
NGC	660	Psc	H253-2	Galaxy SB(s)a pec	PB,PL,E,BM,R
	8"	11mmT6	PF,PL,EL,OVAL,NND,R=F		
NGC	676	Psc	H42-4	Galaxy S0/a: sp	VF,E161,SBM*9
	8"	11mmT6	PF,PS,EON,NND,AV,R=F		
NGC	718	Psc	H270-2	Galaxy SAB(s)a	PB,S,IR,PSMBM
	8"	11mmT6	PF,PS,R,UB,NND,R=F		

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NGC 741 8"	Psc 11mmT6	H271-2 PF,PS,R,UB,NND,R=F	Galaxy E0:	PF,S,R,POF2,POS102
NGC 744 8"	Per 11mmT6	Open Cluster 10.0 PF,PL,TIGHTER GROUP, R=F	III 1 p	CL,PL,PRI,IF,*11..13
NGC 957 8"	Per 11mmT6	Open Cluster 11.0 PF,PS,TIGHTER GROUP, R=F	III 2 m	CL,PL,PRI,*13...15
NGC 1193 8"	Per 11mmT6	H608-2 PF,PS,LOOSE GROUP, R=F	Open Cluster 14.0 I 2 m	F,CL,ER
NGC 1220 8"	Per 11mmT6	Open Cluster 13.0 PF,PS,LOOSE GROUP, R=F	I 1 p	CL,VS,STVF
NGC 7341 8"	Aqr 11mmT6	Galaxy SAB(r)ab: VF,VS,OVAL,NND,AV,R=F		PF,PS,E,LBM
NGC 7359 8"	Aqr 11mmT6	Galaxy S0[^]: sp VF,VS,EL,OVAL,NND,AV,R=F		PF,VS,PME,BMN
NGC 7392 8"	Aqr 11mmT6	H702-2 VF,PS,OVAL,NND,R=F	Galaxy SA(s)bc	PB,PS,LE120,MBM
NGC 7537 8"	Psc 11mmT6	H429-2 PF,PS,EON,NND,R=F	Galaxy SAbc:	VF,CS,R,BM,SP OF 2
NGC 7541 8"	Psc 11mmT6	H430-2 PB,PS,EON,UB,NND,R=F	Galaxy SB(rs)bc: pec	B,L,ME97,MBM,NF OF 2
NGC 7562 8"	Psc 11mmT6	H467-2 PB,PS,OVAL,FNUC,R=F	Galaxy E2-3	CB,PS,IR,PSBM
NGC 7679 8"	Psc 11mmT6	Galaxy SB0 pec: VF,VS,R,NND,AV,R=F		PB,S,R,MBMN,STELL
NGC 7716 8"	Psc 11mmT6	Galaxy SAB(r)b: CF,PS,R,ND,AV,R=F		F,PL,LE,GBM,*10S
NGC 7785 8"	Psc 11mmT6	H468-2 CF,PS,OVAL,UB,NND,R=F	Galaxy E5-6	PB,PS,IR,PSBM,R,*8P

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MAC	2116-0046	Aqr	Galaxy	
	31"	17mmT4	VF,ES,R,NND,AV,R=F	
MAC	2131+0230	Aqr	Galaxy	
	31"	17mmT4	VF,CS,OVAL,NND,AV,R=F	
MAC	2144-0632	Aqr	Galaxy	
	31"	17mmT4	VF,VS,R,NND,AV,R=F	
MAC	2153+0008	Aqr	Galaxy	
	31"	17mmT4	VF,VS,OVAL,NND,R=F	
MAC	2159-1630	Aqr	Galaxy	
	31"	17mmT4	VF,ES,R,NND,AV,R=F	
NGC	6945	Aqr	Galaxy S0-	PF,VS,R,MBM
	31"	17mmT4	PB,PL,OVAL,UB,NND,R=G	
NGC	6959	Aqr	Galaxy (R)S0^ pec:	VF
	31"	17mmT4	PB,PS,EON,UB,FNUC,R=G	
NGC	6961	Aqr	Galaxy E+ pec?	EF,VS
	31"	17mmT4	CF,CS,R,NND,R=F	
NGC	6962	Aqr	H426-2 Galaxy SAB(r)ab	CF,S,R,BM
	31"	17mmT4	CB,CL,OVAL,FNUC,MSB,R=G	
NGC	6963	Aqr	Galaxy S0^:	NEB*13M
	31"	17mmT4	PF,PS,OVAL,NND,R=F	
NGC	6964	Aqr	H427-2 Galaxy E+ pec:	F,VS,R,BM,*14SF1/2'
	31"	17mmT4	CB,CL,OVAL,FNUC,MSB,R=G	
NGC	6967	Aqr	Galaxy SB(rs)0+?	EF,VS,*10F50"
	31"	17mmT4	CB,PL,EL,OVAL,FNUC,MSB,R=G	
NGC	6968	Aqr	Galaxy SA0- pec?	F,S,R,GBM,F*INV
	31"	17mmT4	PB,PS,OVAL,FNUC,MSB,R=G	
NGC	6975	Aqr	Galaxy S?	VF,S,(=6976)
	31"	17mmT4	CF,PL,EON,NND,R=F	
NGC	6976	Aqr	Galaxy SAB(r)bc?	EF,IR
	31"	17mmT4	PF,PL,R,NND,R=F	
NGC	6977	Aqr	Galaxy SB(r)a pec:	VF,S,IR
	31"	17mmT4	PB,PL,OVAL,UB,NND,R=G	
NGC	6978	Aqr	Galaxy Sb	VF
	31"	17mmT4	CB,PL,EON,FNUC,MSB,R=G	
NGC	7001	Aqr	Galaxy SAB(rs)ab:	EF,S,E0
	31"	17mmT4	PF,PL,OVAL,UB,NND,R=F	
NGC	7010	Aqr	Galaxy E+ pec:	EF,PL,R,R
	31"	17mmT4	PB,PL,EL,OVAL,FNUC,R=G	

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NGC 7047 31"	Aqr 17mmT4	Galaxy SAB(r)b: PB,PL,EL,OVAL,UB,FNUC,R=G	EF,VS,BIN PF
NGC 7051 31"	Aqr 17mmT4	Galaxy SB(r)a pec PB,PL,OVAL,FNUC,MSB,R=G	VF,R,GBM,**NR
NGC 7065 31"	Aqr 17mmT4	Galaxy SB(r)ab? CF,PS,R,NND,AV,R=F	VF,SBM,
NGC 7065A 31"	Aqr 17mmT4	Galaxy SAB(r)c pec? PF,PL,R,PATCHY,NND,R=F	
NGC 7066 31"	Peg 17mmT4	Galaxy S? PB,PS,R,BNUC,HISB,R=G	EEF,CLOSE SF OF 3F*
NGC 7069 31"	Aqr 17mmT4	Galaxy SAB(s)0-? PB,PS,OVAL,UB,FNUC,R=G	VF,S,R,STELL
NGC 7077 31"	Aqr 17mmT4	Galaxy S0- pec? PB,PS,OVAL,FNUC,MSB,R=G	F
NGC 7081 31"	Aqr 17mmT4	H859-3 Galaxy Sb pec? PB,PL,R,UB,NND,R=G	F,S,R,MBM,*14S
NGC 7120 31"	Aqr 17mmT4	Galaxy Sb PF,PS,EL,OVAL,UB,NND,R=F	VF,S,VLE
NGC 7121 31"	Aqr 17mmT4	Galaxy SB(r)bc? PB,PS,OVAL,UB,NND,R=F	VF,VS,R,VLBM
NGC 7164 31"	Aqr 17mmT4	Galaxy SAB(rs)0+ pec: CF,PS,OVAL,NND,R=F	EF,R,4VF ST N
NGC 7165 31"	Aqr 17mmT4	H930-3 Galaxy SB(r)ab PB,PS,R,UB,NND,R=F	EF
NGC 7167 31"	Aqr 17mmT4	Galaxy SB(s)c: VF,PL,R,NND,AV,R=F	F,PS,R,VGLBM,*10F
NGC 7170 31"	Aqr 17mmT4	Galaxy SA0-? PB,PS,OVAL,FNUC,MSB,R=G	VF,PS,IR,BMN,D*P36S
NGC 7180 31"	Aqr 17mmT4	H693-3 Galaxy S0^? PB,PS,EL,OVAL,FNUC,MSB,R=G	VF,S,R,LBM,P OF 2
NGC 7181 31"	Aqr 17mmT4	Galaxy S0^ pec: PF,PS,R,UB,NND,R=F	EF,VS,STELLAR
NGC 7182 31"	Aqr 17mmT4	Galaxy SB(rs)0+: PF,PS,OVAL,UB,NND,R=F	EF,VS,STELLAR
NGC 7183 31"	Aqr 17mmT4	H595-2 Galaxy S0+ pec sp PB,PL,EON,UB,FNUC,R=G	VF,PL,E90,LBM
NGC 7184 31"	Aqr 17mmT4	H1-2 Galaxy SB(r)c PB,CL,EON,FNUC,HISB,R=G	PB,PL,ME64,BET3*,ER

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NGC 7185 31"	Aqr 17mmT4	Galaxy SAB(rs)0- pec? PB,PL,OVAL,FNUC,MSB,R=G	VF,PL,IR,VGLBM,F OF2
NGC 7188 31"	Aqr 17mmT4	Galaxy (R')SB(rs)bc PF,PL,EL,OVAL,NND,R=G	EF,PS,E,LBM
NGC 7189 31"	Aqr 17mmT4	Galaxy SB(rs)b pec: PB,PS,OVAL,UB,NND,R=G	F,S,LE
NGC 7198 31"	Aqr 17mmT4	Galaxy S0 pec PB,PS,OVAL,BNUC,HISB,R=G	EF,VS,STELLAR
NGC 7211 31"	Aqr 17mmT4	Galaxy S0 PB,PS,OVAL,BNC,HISB,R=G	EF,S,STELLAR
NGC 7215 31"	Aqr 17mmT4	Galaxy S0^? PF,PS,EL,OVAL,UB,NND,R=F	VF,S,E
NGC 7218 31"	Aqr 17mmT4	H897-2 Galaxy SB(rs)cd PF,PL,OVAL,UB,NND,R=F	PB,LE,R
NGC 7220 31"	Aqr 17mmT4	Galaxy SAB(s)0^: PF,PS,OVAL,NND,R=F	EF,VS,VLE,GBM,*10N3'
NGC 7222 31"	Aqr 17mmT4	Galaxy SB(r)b PF,PL,R,UB,NND,R=F	VF,S
NGC 7260 31"	Aqr 17mmT4	Galaxy PF,PL,OVAL,UB,NND,R=F	EF,PS,IR
NGC 7266 31"	Aqr 17mmT4	Galaxy Sa PB,PS,R,UB,NND,R=F	F,VS,R,ALM STELLAR
NGC 7288 31"	Aqr 17mmT4	Galaxy S0/a pec sp PB,PL,OVAL,FNUC,MSB,R=G	VF,ES,STELLAR
NGC 7344 31"	Aqr 17mmT4	Galaxy (R')SB(r)ab PF,PS,EL,OVAL,UB,NND,R=F	PF,VS,R
NGC 7351 31"	Aqr 17mmT4	Galaxy SAB0^: PB,PS,EL,OVAL,FNUC,MSB,R=G	PF,PS,R,BM,R
NGC 7364 31"	Aqr 17mmT4	H442-2 Galaxy S0/a pec: PB,PS,OVAL,FNUC,MSB,R=G	F,S,R,PSBM
NGC 7391 31"	Aqr 17mmT4	H443-2 Galaxy E: PB,PL,OVAL,FNUC,HISB,R=G	CF,CS,R,SBM*13,*NP
NGC 7393 31"	Aqr 17mmT4	H453-2 Galaxy SB(rs)c pec PF,PS,EON,UB,NND,R=F	VF,PL,LE,VGBM,R
PGC 65444 31"	Aqr 17mmT4	Galaxy SBab PF,PS,EON,UB,NND,R=F	
PGC 66904 31"	Aqr 17mmT4	Galaxy SAB(s)bc pec? CF,PL,R,NND,AV,R=F	

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PGC 67282 Aqr Galaxy Scd: sp
31" 17mmT4 VF,PS,EON,NND,AV,R=F

PGC 68229 Aqr Galaxy S
31" 17mmT4 PF,PS,R,NND,AV,R=F

PGC 68240 Aqr Galaxy
31" 17mmT4 PF,PS,R,NND,R=F

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MAC 2221+3632 Lac Galaxy
31" 17mmT4 VF,ES,R,NND,AV,R=F

MAC 2221+3635 Lac Galaxy
31" 17mmT4 VF,VS,R,NND,AV,R=F

MAC 2223+3611 Lac Galaxy
31" 17mmT4 VF,ES,R,NND,V,R=F

PGC 68482 Lac Galaxy SAB(s)bc
31" 17mmT4 B,FL,EON,UB,NND,MSB,R=G

PGC 68623 Lac Galaxy Sa
31" 17mmT4 PF,PS,OVAL,UB,NND,R=F

PGC 68675 Lac Galaxy S?
31" 17mmT4 VF,PS,OVAL,NND,AV,R=F

PGC 68706 Lac Galaxy
31" 17mmT4 VF,PS,NND,R=F

PGC 68713 Lac Galaxy Sb
31" 17mmT4 PF,PS,OVAL,UB,NND,R=F

PGC 68715 Lac Galaxy S
31" 17mmT4 PF,PS,EON,UB,R=F

PGC 69457 Peg Galaxy Sab
31" 12mmT4 PF,PS,OVAL,UB,NND,R=F,HINT OF HALO?

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September 5, 2007 Hidden Hollow - RAS

IC	59	Cas		Nebula E+R	
	8"	11mmT6	PF,L,R=F		
IC	63	Cas		Nebula E+R	
	8"	11mmT6	PF,PS,R=P		
IC	166	Cas		Open Cluster 17.0 II 1 r	
	8"	11mmT6	B,S,LOOSE GROUPD,R=F		
IC	1283	Sgr		Nebula E+R	
	8"	11mmT6	F,PL,R=F		
IC	1795	Cas		Non-Existent	
	8"	11mmT6	PF,PL,DIM,R=F		
IC	1848	Cas		Open Cluster 7.1 I 3 p n	
	8"	11mmT6	B,L,FEW STARS,R=F		
IC	1871	Cas		Nebula E	
	8"	11mmT6	PF,PS,R=F		
IC	4673	Sgr		Planetary Neb 4	
	8"	11mmT6	VF,VS,NO CENTRAL STAR,R=F		
IC	4732	Sgr		Planetary Neb 1	
	8"	11mmT6	VF,ES,AV,NO CENTRAL STAR,R=F		
IC	5078	Cap		Galaxy SA(s)c:	
	8"	11mmT6	VF,VS,NND,AV,R=F		
NGC	103	Cas		Open Cluster 11.0 II 1 m	CL,PS,PC,*11...18
	8"	11mmT6	F,S,SCATTERED STARS,R=F		
NGC	133	Cas		Open Cluster IV 1 p	CL,PL,*10...,D*INV
	8"	11mmT6	B,S,R=F		
NGC	146	Cas		Open Cluster 11.6 II 2 p	CL,PL,LC,*11-12,D*
	8"	11mmT6	B,S,R=F		
NGC	189	Cas		Open Cluster 11.0 III 1 p	CL,PL,R,*11...15
	8"	11mmT6	F,S,R=F		
NGC	609	Cas		Open Cluster 14.0 II 3 r	CL,S,PRI,*14...
	8"	11mmT6	F,S,SCATTERED STARS,R=F		
NGC	5921	Ser	H148-1	Galaxy SB(r)bc	CB,CL,IR,VSBM*12,AM*
	8"	11mmT6	PF,PL,OVAL,NND,R=F		
NGC	5936	Ser	H130-2	Galaxy SB(rs)b	F,PL,IR,VGBM,R
	8"	11mmT6	PF,VS,R,NND,AV,R=F		
NGC	5962	Ser	H96-2	Galaxy SA(r)c	PF,PL,ILE,GBM
	8"	11mmT6	PF,PS,OVAL,NND,AV,R=F		
NGC	5970	Ser	H76-2	Galaxy SB(r)c	PF,PL,R,RR
	8"	11mmT6	PF,PS,OVAL,NND,AV,R=F		

Observations Listing by Date

September 5, 2007 Hidden Hollow - RAS

NGC	6070	Ser	H553-3	Galaxy SA(s)cd	F,L,PME,VGBM,R
	8"	11mmT6	PF,PS,OVAL,NND,R=F		
NGC	6530	Sgr		Open Cluster 6.0 II 2 m n	CL,B,L,PRI,FM8
	8"	11mmT6	PB,PL,SOME NEBULOSITY,R=F		
NGC	6567	Sgr		Planetary Neb 2a+3	PLN,STELL,11M,IN ACL
	8"	11mmT6	VF,PS,NO CENTRAL STAR,R=F		
NGC	6595	Sgr		Nebula III 3 m n	F,PL,CE,**INV
	8"	11mmT6	B,PS,R=F		
NGC	6604	Ser	H15-8	Open Cluster 7.5 I 3 m n	CL,LRI,LC
	8"	11mmT6	F,S,R=F		
NGC	6644	Sgr		Planetary Neb 2	PLN,STELLAR
	8"	11mmT6	VF,VS,AV,R=F		
NGC	6837	Aql	H18-8	Open Cluster IV 1 p	CL,S,P
	8"	11mmT6	PF,PS,R=F		
NGC	6840	Aql	H19-8	Open Cluster 10.0 cluster?	CL,P,LC
	8"	11mmT6	PF,PS,R=F		
NGC	6843	Aql		Open Cluster 10.0 cluster?	CL,S,P
	8"	11mmT6	PF,PS,R=F		
NGC	7167	Aqr		Galaxy SB(s)c:	F,PS,R,VGLBM,*10F
	8"	11mmT6	PF,VS,R,NND,R=F		
NGC	7247	Aqr		Galaxy SB(s)b:	PF,VS,R,LBM,BD*P13S
	8"	11mmT6	VF,VS,R,AV,R=F		
NGC	7251	Aqr	H933-3	Galaxy (R')SA(rs)a?	F,PS,R,GPMBM
	8"	11mmT6	VF,VS,R,AV,R=F		
NGC	7252	Aqr	H458-3	Galaxy (R)SA(r)0^:	F,S,R,ER
	8"	11mmT6	PF,PS,OVAL,NND,AV,R=F		
NGC	7284	Aqr	H469-2	Galaxy SB(s)0^ pec	CF,CS,LE,R,D*INV
	8"	11mmT6	VF,VS,R,NND,AV,R=F		
NGC	7285	Aqr		Galaxy SB(rs)a pec	NEB*1'DIST FROM7284
	8"	11mmT6	VF,VS,R,NND,AV,R=F		
NGC	7300	Aqr		Galaxy SAB(rs)b:	VF,CS,E,VGLBM
	8"	11mmT6	PF,PS,OVAL,NND,R=F		
NGC	7371	Aqr	H477-2	Galaxy (R)SA(r)0/a:	VF,PL,R,LBM
	8"	11mmT6	PF,VS,R,NND,R=F		
NGC	7492	Aqr	H558-3	Globular	EF,L,BET2D*
	8"	11mmT6	VF,VS,AV,R=F		
NGC	7585	Aqr	H236-2	Galaxy (R')SA(s)0+ pec	PB,PS,IR,GBM
	8"	11mmT6	PF,PS,OVAL,FNUC,R=F		

Observations Listing by Date

August 13, 2007 Hidden Hollow - RAS

NGC 6625 31"	Sct 31mmT5	Open Cluster IV 3 m n PB,L,R=F, SOME NEBULOSITY	CL,LC,LRI,ST11...12
NGC 6631 31"	Sct 31mmT5	Open Cluster II 1 m PB,PS,MORE STARS, CONDENSED,R=F	CL,PL,PRI,ST12...15
NGC 6637 31"	Sgr M69 31mmT5	Globular PB,PS,MORE STARS, CONDENSED,R=E	GCL,B,L,R,RRR,*14.16
NGC 6639 31"	Sct 31mmT5	Open Cluster PB,PS,R=F, SOME NEBULOSITY	CL,IN MILKY WAY
NGC 6649 31"	Sct 31mmT5	Open Cluster 13.2 I 3 m B,PS,R=G,SOME NEBULOSITY,CARBON STR.	CL,P,LC,PS,*9,10,12.
NGC 6664 31"	Sct H12-8 31mmT5	Open Cluster 9.0 III 2 m B,L,R=G	CL,L,PRI,VLC
NGC 6682 31"	Sct 31mmT5	Open Cluster star clou PB,EL,R=G. MASSIVE CLUSTER	CL,L,RI,ST10...18
NGC 6683 31"	Sct 31mmT5	Open Cluster 11.7 II 1 p n B,PS,R=G, SOMEWHAT DENSE	CL,VRI,VLC,IN M WAY
NGC 6704 31"	Sct 31mmT5	Open Cluster 12.0 I 2 m PB,S,R=G	CL,B,60ST13
NGC 6712 31"	Sct H47-1 31mmT5	Globular PB,PS,R=G, RESOLVE OUTER STARS	GCL,PB,VL,IRR,RRR
NGC 6905 31"	Del H16-4 31mmT5	Planetary Neb 3+3 PF,CS,R,R=G, CENTRAL STAR NOT VISIBLE	PLN,B,PS,R,4S*NR
PGC 62522 31"	Lyr 31mmT5	Galaxy S VF,VS,EON,NND,AV,R=F	
PK 21-0.1 31"	Sct 31mmT5	Planetary Neb 2+3 PF,VS,R=F, CENTRAL STAR NOT VISIBLE	

July 23, 2007 Hidden Hollow - RAS

NGC 7127 8"	Cyg 19mmW	Open Cluster IV 1 p PF,CS,R=F,SMUDGE, NO STARS	CL,S,P,LC
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Observations Listing by Date

July 21, 2007

Hidden Hollow - RAS

CR	256 1.9"	Com 12x50	Open Cluster III3r B,VL,PRETTY LOOSE,R=G	
CR	285 1.9"	UMa 12x50	Open Cluster IV1p EB,EL,VERY LOOSE,R=G	
CR	350 1.9"	Oph 12x50	Open Cluster IV1p PB,VL,NICE CLUSTER,R=G	
IC	4592 1.9"	Sco 12x50	Nebula R PF,PL,JUST DETECTED,R=F	
IC	4604 1.9"	Oph 12x50	Nebula R PF,PS,AV,JUST DETECTED,R=F	
NGC	5272 1.9"	CVn 12x50	M3 PB,S,R=G, SAME FOV AS C/2006-VZ13	GCL,EB,VL,VSMBM,*11.
NGC	5897 1.9"	Lib 12x50	H19-6 PF,PS,AV,R=F	GCL,PF,L,VIR,VGBM,
NGC	6356 1.9"	Oph 12x50	H48-1 PF,S,PATCH,R=F	GCL,VB,CL,VGVMBM,RRR
NGC	6366 1.9"	Oph 12x50	Globular PF,PS,AV,R=F	F,L,VLBM
NGC	6469 1.9"	Sgr 12x50	Open Cluster IV 2 m PF,PS,R=F	CL,PRI,IN MILKY WAY
NGC	6712 1.9"	Sct 12x50	H47-1 F,PS,R=F	GCL,PB,VL,IRR,RRR
NGC	7160 1.9"	Cep 12x50	H67-8 PF,PS,AV,R=F	Open Cluster 7.0 I 3 p CL,P,VLC
NGC	7209 1.9"	Lac 12x50	H53-7 PB,PL,R=G	Open Cluster 9.0 III 1 m CL,L,CRI,PC,ST9...12
NGC	7235 1.9"	Cep 12x50	Open Cluster 8.8 II 3 m B,PS,R=F	CL,PC,HAS RUBY*10
NGC	7243 1.9"	Lac 12x50	H75-8 PB,PL,R=G	Open Cluster 8.0 II 2 m CL,L,P,LC,ST VL

Observations Listing by Date

July 16, 2007

Hidden Hollow - RAS

NGC	6028	Her	Galaxy (R)SA0+:	VF,PS,NO NUCL
	31"	17mmT4	PF,PS,OVAL,NND,R=F	
NGC	6032	Her	Galaxy SB(rs)b:	VF,PL,LE,VLBM,NP OF2
	31"	17mmT4	PF,CS,EON,NND,R=F	
NGC	6035	Her	Galaxy SAB(rs)c	VF,PL,LE,SF OF 2
	31"	17mmT4	PF,PS,R,NND,R=F	
NGC	6207	Her	H701-2 Galaxy SA(s)c	PB,PL,E45,VGMBM
	16"	11mmT6	PF,PS,EL.OVAL,FNUC,R=F	
PGC	56685	Her	Galaxy SAB0-	
	31"	17mmT4	PF,PS,OVAL,NND,R=F	

July 13, 2007

Hidden Hollow - RAS

B	326	Aql	Galaxy	
	8"	11mmT6	PB,PL,FAINT GLOW-NO FILTER,R=G	
ESO	456-38	Sgr	Globular	
	8"	7.5mmW	PB,PS,RESOLVE OUTER STARS,R=G	
HP	1	Oph	Globular	
	8"	7.5mmW	VF,VS,R,PATCHY,R=F	
NGC	6440	Sgr	H150-1 Globular	PB,PL,R,BM
	8"	11mmT6	PF,CS,ALMOST RESOLVE STARS,R=G	
NGC	6540	Sgr	H198-2 Globular	PF,S,IE,ER OR CL
	8"	7.5mmW	VF,VS,PATCHY,R=F	
NGC	6735	Aql	Open Cluster 12.0	CL,VL,P,ST12...
	8"	11mmT6	CF,CS,R=F	
PAL	6	Oph	Globular	
	8"	7.5mmW	VF,VS,R,PATCHY,AV,R=F	

Observations Listing by Date

June 20, 2007

Hidden Hollow - RAS

CR	470	Cyg	Galaxy	
	1.9"	12x50	F,S,R=F, HINT-NEBULOSITY, INV. W/IC 5146	
IC	4756	Ser	Open Cluster 8.0 II 3 r	
	1.9"	12x50	F,PL,R=F	
IC	5070	Cyg	Non-Existent	
	1.9"	12x50	PF,VL,R=F, HINT OF NEBULOSITY	
IC	5146	Cyg	Nebula E	
	1.9"	12x50	F,S,R=F, HINT OF NEBULOSITY	
NGC	6605	Ser	Open Cluster asterism	CL,LRI,LC,ST10...12
	1.9"	12x50	PF,PS,R,R=F	
NGC	6820	Vul	Nebula E	F,S,R,BM
	1.9"	12x50	PF,S,R=F, JUST DETECTED	
NGC	6823	Vul	H18-7 Open Cluster 8.8 I 3 m n	CL,CRI,E,ST11...12
	1.9"	12x50	PF,PS, STARS 6+,R=F	
NGC	6960	Cyg	H15-5 Nebula E	PB,CL,EIF,KAPPACYGIN
	1.9"	12x50	PF,PL,R=F, HINT OF NEBULOSITY	
NGC	6979	Cyg	H206-2 Non-Existent	
	1.9"	12x50	PF,PL,R=F, HINT OF NEBULOSITY	
NGC	6992	Cyg	H14-5 Nebula E	EF,EL,EE,EIF,BIFID
	1.9"	12x50	PF,L,R=F, HINT OF NEBULOSITY	
NGC	6995	Cyg	Non-Existent	F,EL,NEB\$ST INGROUPS
	1.9"	12x50	PF,PL, R=F, HINT OF NEBULOSITY	
NGC	7000	Cyg	H37-5 Nebula E	F,EEL,DIF NEBULOSITY
	1.9"	12x50	F,EL,R=G, LITTLE BETTER	

June 14, 2007

Hidden Hollow - RAS

NGC	6000	Sco	Galaxy SB(s)bc:	VF,S,R,SBM
	8"	11mmT6	CF,CS,R,NND,AV,R=F	

June 9, 2007

Hidden Hollow - RAS

IC	3476	Com	Galaxy IB(s)m:	
	8"	11mmT6	PF,PS,R,NND,R=F	
NGC	4032	Com	H404-2 Galaxy Im:	PF,PL,R,GBM,*12NF
	8"	11mmT6	VF,PS,R,NND,AV,R=F	
NGC	4136	Com	H321-2 Galaxy SAB(r)c	F,VL,VGMBM
	8"	11mmT6	PF,PS,R,NND,AV,R=F	
NGC	4152	Com	H83-2 Galaxy SAB(rs)c	PB,PL,R,PGMBM,R
	8"	11mmT6	PF,PS,OVAL,NND,AV,R=F	
PAL	5	Ser	Globular	
	8"	7.5mmW	VF,VS,AV,R=F	

Observations Listing by Date

May 18, 2007

Hidden Hollow - RAS

IC	3446	Vir	Galaxy S?	
	31"	17mmT4	VF,VS,R,NND,AV,R=F	
IC	3481	Vir	Galaxy SAB0-: pec	
	31"	17mmT4	PB,PS,OVAL,UB,NND,R=F	
IC	3481A	Vir	Galaxy E pec:	
	31"	17mmT4	CF,VS,R,NND,AV,R=F	
IC	3483	Vir	Galaxy SAB(s)b pec:	
	31"	17mmT4	PF,PS,OVAL,UB,NND,R=F	
IC	3583	Vir	Galaxy IBm	
	31"	17mmT4	PF,PL,EL,OVAL,NND,R=F	
MAC	1141+1016	Vir	Galaxy	
	31"	17mmT4	VF,VS,R,NND,AV,R=F	
MAC	1252+1001	Vir	Galaxy	
	31"	17mmT4	VF,VS,OVAL,NND,AV,R=F	
MAC	1253+0956	Vir	Galaxy	
	31"	17mmT4	EF,VS,R,NND,AV,R=F	
NGC	3817	Leo	Galaxy SB0/a	F,1ST OF 4
	31"	17mmT4	VF,CS,OVAL,NND,AV,R=F	
NGC	3819	Leo	Galaxy E?	VF,2ND OF 4
	31"	17mmT4	PF,CS,OVAL,NND,R=F	
NGC	3820	Leo	Galaxy S?	EF,VS,3819 S
	31"	17mmT4	VF,VS,R,NND,AV,R=F	
NGC	3822	Vir	H153-2 Galaxy S0?	PF,PS,3RD OF 4
	31"	17mmT4	PF,PS,OVAL,NND,R=F	
NGC	3825	Vir	H154-2 Galaxy SBa	PF,PS,4TH OF 4
	31"	17mmT4	PF,CS,OVAL,NND,R=F	
NGC	3833	Vir	H102-3 Galaxy Sc	EF,PS
	31"	17mmT4	DIFF,PF,PL,OVAL,NND,R=F	
NGC	3848	Vir	H35-3 Galaxy Sc	EF,VS
	31"	17mmT4	PB,PS,OVAL,UB,NND,R=G	
NGC	4569	Vir	M90 Galaxy SAB(rs)ab	PL,BMN
	31"	17mmT4	EB,EL,EL,OVAL,BNUC,HISB,R=E	
NGC	4759B	Vir	Non-Existent	
	31"	17mmT4	CB,PL,R,BNUC,HISB,R=E	
NGC	4761	Vir	Galaxy E+	EF,ES,1'F DNEB4759
	31"	17mmT4	CB,PL,OVAL,BNUC,HISB,R=E	
NGC	4764	Vir	Galaxy S?	EF,ES,SF DNEB 4759
	31"	17mmT4	PB,PS,OVAL,NND,MSB,R=G	

Observations Listing by Date

May 18, 2007**Hidden Hollow - RAS**

NGC 4778 31"	Vir 17mmT4 CB,PL,R,BNUC,HISB,R=E	Galaxy S0+ sp	VF,S,R,VLBM,F OFDNEB
NGC 4809 31"	Vir 17mmT4 CF,PL,EON,NND,R=F	Galaxy Im pec	F,DNEB W/4810
NGC 4810 31"	Vir 17mmT4 PF,PS,OVAL,NND,R=F	Galaxy Im pec	F,DNEB W/4809
NGC 4933A 31"	Vir 17mmT4 CB,PL,OVAL,BNUC,HISB,R=G	Galaxy S0/a pec	
NGC 4933B 31"	Vir 17mmT4 PB,PS,OVAL,FNUC,MSB,R=G	Galaxy E pec	
PGC 36325 31"	Vir 17mmT4 VF,S,R,NND,R=F	Galaxy Pec	
PGC 36723 31"	Vir 17mmT4 PF,PS,OVAL,NND,R=P	Galaxy SAB(rs)b? pec	
PGC 36733 31"	Vir 17mmT4 PB,PS,EL,OVAL,NND,R=F	Galaxy SB(s)b: pec	
PGC 36742 31"	Vir 17mmT4 VF,VS,OVAL,NND,AV,R=F	Galaxy SB(s)c pec	
PGC 43728 31"	Vir 17mmT4 PB,PS,EL,OVAL,FNUC,MSB,R=G	Galaxy Sab	
PGC 43762 31"	Vir 17mmT4 VF,VS,R,NND,AV,R=F	Galaxy	
PGC 43944 31"	Vir 17mmT4 DIFF,CF,PL,EON,UB,NND,R=F	Galaxy S	

Observations Listing by Date

May 14, 2007

Hidden Hollow - RAS

IC	3446	Vir		Galaxy S?	
	31"	17mmT4	PB,PS,EON,FNUC,MSB,R=G		
IC	3470	Vir		Galaxy E?	
	31"	17mmT4	PB,PS,R,UB,NND,R=G		
IC	3499	Vir		Galaxy S0/a	
	31"	17mmT4	PF,PL,EON,UB,NND,R=F		
IC	3510	Vir		Galaxy S?	
	31"	17mmT4	CF,CS,OVAL,NND,AV,R=F		
MAC	1231+0036	Vir		Galaxy	
	31"	17mmT4	CF,VS,OVAL,NND,R=F		
MAC	1231+0353	Vir		Galaxy	
	31"	17mmT4	VF,CS,EON,NND,AV,R=P		
MAC	1234-0727	Vir		Galaxy	
	31"	17mmT4	VF,CS,R,NND,AV,R=F		
MAC	1234-0732	Vir		Galaxy	
	31"	17mmT4	CF,CS,R,UB,NND,R=F		
NGC	4464	Vir	H483-3	Galaxy S?	F,VS,R,PGBM
	31"	17mmT4	PB,PS,R,FNUC,MSB,R=G		
NGC	4465	Vir		Galaxy Sc	VF,VDIF
	31"	17mmT4	PF,PS,R,UB,NND,R=F		
NGC	4467	Vir		Galaxy E2	VF,VS,LE
	31"	17mmT4	PF,CS,R,UB,NND,R=F		
NGC	4472	Vir	M49	Galaxy E2	VB,L,R,MBM,R
	31"	17mmT4	B,CL,OVAL,BNUC,HISB,R=G		
NGC	4487	Vir	H776-2	Galaxy SAB(rs)cd	F,VL,ER
	31"	17mmT4	DIFF,PF,PL,OVAL,NND,R=F		
NGC	4488	Vir	H484-3	Galaxy SB(s)0/a pec:	VF,VS,LE
	31"	17mmT4	PB,PS,OVAL,UB,FNUC,MSB,R=G		
NGC	4491	Vir	H41-3	Galaxy SB(s)a:	F,L,R
	31"	17mmT4	PF,PS,OVAL,UB,NND,R=F		
NGC	4492	Vir	H499-2	Galaxy SA(s)a?	PF,PL,VGLBM,2*NR
	31"	17mmT4	PB,PS,R,FNUC,MSB,R=G		
NGC	4493	Vir		Galaxy E+ pec:	VF,VS,IR
	31"	17mmT4	PF,CL,OVAL,NND,R=F		
NGC	4496A	Vir		Galaxy SB(rs)m	F,CL,BIN OR DNEB
	31"	17mmT4	PF,PS,R,NND,R=F		
NGC	4496B	Vir		Galaxy IB(s)m:	
	31"	17mmT4	DIFF,PF,PL,OVAL,NND,R=F		

Observations Listing by Date

May 14, 2007

Hidden Hollow - RAS

NGC	4497	Vir	H42-3	Galaxy SAB(s)0+:	VF
	31"	17mmT4	PB,PL,OVAL,UB,NND,R=G		
NGC	4503	Vir	H66-2	Galaxy SB0-:	PB,S,R,GBM
	31"	17mmT4	PB,PL,EL,OVAL,BNUC,HISB,R=G		
NGC	4504	Vir	H771-2	Galaxy SA(s)cd	PB,CL,IE,GVLBM,ER
	31"	17mmT4	DIFF,PF,PL,OVAL,NND,R=F		
NGC	4518	Vir		Galaxy SB0_2/3_(r)/a	F,S,R,BM
	31"	17mmT4	PF,PS,OVAL,UB,NND,R=F		
NGC	4519A	Vir		Galaxy dS0?	
	31"	17mmT4	CF,CS,OVAL,NND,R=F		
NGC	4519	Vir	H158-2	Galaxy SB(rs)d	F,PL,R,BM,R
	31"	17mmT4	DIFF,PF,PL,OVAL,NND,R=F		
NGC	4520	Vir	H757-3	Galaxy SA0- pec sp	VF,S,2VS*INV
	31"	17mmT4	PF,PS,OVAL,UB,FNUC,R=F		
NGC	4522	Vir		Galaxy SB(s)cd: sp	EF,PL,LE,VLBM
	31"	17mmT4	PF,PL,EON,UB,NND,R=F		
NGC	4526	Vir	H31-1	Galaxy SAB(s)0^:	VB,VL,ME120,PSMBM
	31"	17mmT4	VB,CL,EON,BNUC,HISB,R=G		
NGC	4528	Vir	H67-2	Galaxy S0^:	PF,CS,R,BM,*9F30S
	31"	17mmT4	PF,PS,OVAL,BNUC,HISB,R=G		
NGC	4531	Vir	H175-2	Galaxy SB0+:	F,PL,R,VGBM
	31"	17mmT4	DIFF,PF,PL,OVAL,NND,R=F		
NGC	4532	Vir	H147-2	Galaxy IBm	PB,PL,PME,VGBM,R
	31"	17mmT4	PB,PL,EON,UB,FNUC,R=G		
NGC	4739	Vir	H515-3	Galaxy E+ pec:	F,PL,LE,PGLBM
	31"	17mmT4	DIFF,PF,PL,R,NND,R=F		
PGC	41410	Vir		Galaxy SAB(s)c:	
	31"	17mmT4	CF,CS,EL,OVAL,NND,R=F		
PGC	41666	Vir		Galaxy	
	31"	17mmT4	PF,CS,EON,UB,NND,R=F		
PGC	41726	Vir		Galaxy E	
	31"	17mmT4	PF,PS,EON,UB,NND,R=F		

Observations Listing by Date

May 13, 2007		Hidden Hollow - RAS			
NGC	2872	Leo	H57-2	Galaxy E2	PF,PS,R,BM
	8"	7.5mmW	VF,VS,R,NND,AV,R=F		
NGC	3370	Leo	H81-2	Galaxy SA(s)c	CB,PL,VLE,GBM,R
	8"	11mmT6	PF,PS,OVAL,NND,AV,R=F		
NGC	3437	Leo	H47-2	Galaxy SAB(rs)c:	PB,PL,LE120,GBM
	8"	11mmT6	VF,CS,EL,OVAL,NND,AV,F		
NGC	3457	Leo		Galaxy S?	2OR3S* AND NEB
	8"	7.5mmW	VF,VS,OVAL,NND,AV,R=F		
NGC	3604	Leo	H626-2	Galaxy	PB,S,LE,MBM
	8"	11mmT6	VF,PS,R,NND,AV,R=F		
NGC	3605	Leo	H27-3	Galaxy E4-5	F,S,R,SP OF 3
	8"	11mmT6	PF,PS,R,NND,R=F		
NGC	3646	Leo	H15-3	Galaxy Ring	CF,CL,LE,GBM,SP OF 2
	8"	11mmT6	CF,PS,OVAL,NND,R=F		
NGC	3666	Leo	H20-1	Galaxy SA(rs)c:	F,E90,*6F34S,5'N
	8"	11mmT6	CF,PS,EON,NND,R=F		
NGC	3681	Leo	H159-2	Galaxy SAB(r)bc	B,PS,R,BM
	8"	11mmT6	CF,CS,R,NND,AV,R=P		
NGC	3684	Leo		Galaxy SA(rs)bc	PB,PL,E,VGBM
	8"	11mmT6	PF,PS,OVAL,NND,R=F		
NGC	3689	Leo	H339-2	Galaxy SAB(rs)c	PB,PL,LE,BM
	8"	11mmT6	F,VS,R,NND,AV,R=F		
NGC	3705	Leo	H13-2	Galaxy SAB(r)ab	PF,PL,R,VSMBM,R
	8"	11mmT6	PF,CS,OVAL,NND,R=F		
NGC	3801	Leo	H161-2	Galaxy S0?	PF,PL,R,BM,R,2ND OF3
	8"	11mmT6	PF,PS,OVAL,NND,R=F		
NGC	3862	Leo	H385-3	Galaxy E	VF,VS,R,*17N
	8"	11mmT6	VF,VS,R,NND,AV,R=F		
NGC	3862	Leo	H385-3	Galaxy E	VF,VS,R,*17N
	8"	11mmT6	CF,CS,EON,NND,R=F		
NGC	4008	Leo	H368-2	Galaxy E5	PB,PS,E,PSBM,*INV N
	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC	5529	Boo	H414-3	Galaxy Sc: sp	CF,PL,VME110,VGVMBM
	8"	11mmT6	VF,PS,EON,NND,AV,R=F		
NGC	5533	Boo	H418-2	Galaxy SA(rs)ab	PB,R,VSMBM,2OR3*INV
	8"	11mmT6	PF,PS,OVAL,NND,R=F		
NGC	5548	Boo	H194-2	Galaxy (R')SA(s)0/a	CF,PS,R,VSVMBM*
	8"	11mmT6	PF,PS,R,NND,R=F		

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IC	732	Leo	Galaxy S0?	
	31"	17mmT4	PF,PS,OVAL,UB,NND,R=F	
IC	2955	Leo	Galaxy	
	31"	17mmT4	PB,PS,OVAL,UB,NND,R=G	
MAC	1145+1952	Leo	Galaxy	
	31"	17mmT4	VF,PS,R,NND,AV,R=F	
MAC	1145+2001	Leo	Galaxy	
	31"	17mmT4	VF,VS,R,NND,AV,R=F	
MAC	1145+2026	Leo	Galaxy	
	31"	17mmT4	PF,PS,OVAL,UB,NND,R=F	
MAC	1146+1944B	Leo	Galaxy	
	31"	17mmT4	CF,CS,R,UB,NND,R=F	
MAC	1146+2026	Leo	Galaxy	
	31"	17mmT4	PF,PS,EON,NND,V,R=F	
MAC	1150+2111	Leo	Galaxy	
	31"	17mmT4	CF,PS,EON,UB,NND,R=F	
MAC	1150+2116	Leo	Galaxy	
	31"	17mmT4	PF,CS,OVAL,UB,NND,R=F	
MAC	1150+2119	Leo	Galaxy	
	31"	17mmT4	VF,VS,R,NND,AV,R=F	
NGC	3857	Leo	Galaxy S0?	VF,VS,MBM
	31"	17mmT4	PB,PL,EL,OVAL,FNUC,MSB,R=G	
NGC	3859	Leo	Galaxy S?	EF,VS,R,LBM,(R)
	31"	17mmT4	PB,PL,EON,UB,NND,R=G	
NGC	3860	Leo	H386-3 Galaxy S?	VF,VS,RESOLVABLE
	31"	17mmT4	PB,PL,OVAL,UB,FNUC,R=G	
NGC	3861	Leo	Galaxy (R')SAB(r)b	F,S,R,BM
	31"	17mmT4	PB,PL,OVAL,FNUC,MSB,R=G	
NGC	3862	Leo	H385-3 Galaxy E	VF,VS,R,*17N
	31"	17mmT4	PB,PL,R,FNUC,HISB,R=G	
NGC	3864	Leo	Galaxy S?	EF,VS,R
	31"	17mmT4	PF,PS,OVAL,NND,AV,R=F	
NGC	3867	Leo	Galaxy S?	F,S,IRRR,MBM,S OF 2
	31"	17mmT4	PB,PL,OVAL,UB,NND,R=G	
NGC	3868	Leo	Galaxy S?	VF,VS,R,MBM,N OF 2
	31"	17mmT4	PB,PS,OVAL,UB,NND,R=F	
NGC	3869	Leo	Galaxy Sa	F,S,IR,PSBM
	31"	17mmT4	PB,PL,EON,FNUC,HISB,R=G	

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NGC 3872 31"	Leo 17mmT4	H104-2 CB,PL,R,BNUC,HISB,R=G	Galaxy E5	B,S,R,SMBM*
NGC 3873 31"	Leo 17mmT4	PB,PL,R,FNUC,MSB,R=G	Galaxy E	VF,PS,LE,3875 SF
NGC 3875 31"	Leo 17mmT4	PB,PL,EON,UB,FNUC,R=G	H387-3 Galaxy S0/a	VF,VS,RESOLVABLE
NGC 3883 31"	Leo 17mmT4	DIFF,PF,CL,OVAL,NND,R=F	H372-3 Galaxy SA(rs)b	VF,CL
NGC 3884 31"	Leo 17mmT4	PB,PL,OVAL,UB,FNUC,MSB,R=G	H388-3 Galaxy SA(r)0/a	CF,S,IR,GBM,R,*7SP6'
NGC 3886 31"	Leo 17mmT4	PB,PS,EON,UB,FNUC,R=G	Galaxy S0-:	F
NGC 3902 31"	Leo 17mmT4	DIFF,PF,PL,OVAL,NND,R=F	H321-3 Galaxy SAB(s)bc:	F,PS,LE,VGLBM
NGC 3910 31"	Leo 17mmT4	PB,PS,OVAL,DNUC,MSB,R=G	Galaxy S0-:	S,R,MBM,*10,11N50"
NGC 3911 31"	Leo 17mmT4	DIFF,PF,PL,OVAL,NND,AV,R=F	H341-3 Galaxy SB?	VF,S,P OF 2
NGC 3919 31"	Leo 17mmT4	PB,PS,R,BNUC,HISB,R=G	Galaxy E	F,S,R
NGC 3920 31"	Leo 17mmT4	PB,PL,R,UB,NND,R=G	Galaxy S?	NEB,F OF 2
NGC 3925 31"	Leo 17mmT4	PF,PS,OVAL,UB,NND,R=F	Galaxy SAB0/a	VF,VS
NGC 3926A 31"	Leo 17mmT4	PB,S,R,UB,NND,R=F	H379-3 Galaxy E/S0	EF,ES,VLE,ER,ST NR
NGC 3926B 31"	Leo 17mmT4	PB,PS,OVAL,UB,NND,R=G	H379-3 Galaxy E/S0	EF,ES,VLE,ER,ST NR
NGC 3929 31"	Leo 17mmT4	PB,PS,OVAL,UB,NND,R=F	Galaxy E?	CL,S,ST F,VC
NGC 3933 31"	Leo 17mmT4	PF,PS,OVAL,UB,NND,R=F	Galaxy S?	PF,LE
NGC 3934 31"	Leo 17mmT4	PF,PS,R,UB,NND,R=F	Galaxy S?	EF,R
NGC 3937 31"	Leo 17mmT4	PB,PL,OVAL,UB,FNUC,MSB,R=G	H389-3 Galaxy S0-:	EF, VS, 3937 F 12S
NGC 3940 31"	Leo 17mmT4	PB,PL,R,FNUC,HISB,R=G	H380-3 Galaxy E	VF,CS,R

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NGC 3943 31"	Leo 17mmT4	Galaxy S? PB,PL,R,UB,NND,R=G	PF,PS,E,*8P24S
NGC 3987 31"	Leo 17mmT4	Galaxy Sb PB,CL,EON,UB,NND,R=G	F,ME
NGC 3993 31"	Leo 17mmT4	Galaxy Sb: sp PB,PL,EON,UB,FNUC,HISB,R=G	VF,PS,E,3* NR
NGC 3997 31"	Leo 17mmT4	Galaxy SBb pec PB,CL,OVAL,UB,FNUC,HISB,R=G	PF,VS,E25,BET 2ST
NGC 3999 31"	Leo 17mmT4	Galaxy S0 DIFF,PF,CS,OVAL,NND,R=F	VF,S
NGC 4000 31"	Leo 17mmT4	Galaxy S? PF,PL,EON,UB,NND,R=F	VF,VS,LE,*8F2',05 SF
NGC 4005 31"	Leo 17mmT4	Galaxy S? PB,PL,OVAL,FNUC,MSB,R=G	PF,VS,MBM,*7NP2'
NGC 4011 31"	Leo 17mmT4	Galaxy S0 DIFF,CF,CS,OVAL,NND,V,R=F	VF,VS,*12NP
PGC 36550 31"	Leo 17mmT4	Galaxy S PF,CS,R,UB,NND,R=F	
PGC 36565 31"	Leo 17mmT4	Galaxy CF,CS,R,UB,NND,R=F	
PGC 36566 31"	Leo 17mmT4	Galaxy CF,CS,R,UB,NND,R=F	
PGC 36575 31"	Leo 17mmT4	Galaxy PF,PS,RL,OVAL,NND,R=F	
PGC 36586 31"	Leo 17mmT4	Galaxy DIFF,PF,PS,EL,OVAL,NND,R=F	
PGC 36589 31"	Leo 17mmT4	Galaxy S? PF,PS,OVAL,UB,NND,R=F	
PGC 36619 31"	Leo 17mmT4	Galaxy E PF,PL,OVAL,UB,NND,R=F	
PGC 36622 31"	Leo 17mmT4	Galaxy VF,PS,R,NND,R=F	
PGC 37018 31"	Leo 17mmT4	Galaxy S R VF,PS,R,NND,AV,R=F	
PGC 37039 31"	Leo 17mmT4	Galaxy PF,VS,OVAL,UB,NND,R=F	
PGC 37040 31"	Leo 17mmT4	Galaxy S CF,CS,OVAL,UB,NND,R=F	

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PGC 37096 **Leo** **Galaxy E**
31" 17mmT4 CF,PS,OVAL,NND,R=F

PGC 37175 **Leo** **Galaxy S?**
31" 17mmT4 PF,PS,R,UB,NND,R=F

PGC 37192 **Leo** **Galaxy S**
31" 17mmT4 PF,PS,EL,OVAL,NND,R=F

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NGC 3351	Leo	M95	Galaxy SB(r)b	B,L,R,PGMBMN
1.9"	12x50	PF,PS,OVAL,NND,R=F		
NGC 3368	Leo	M96	Galaxy SAB(rs)ab	VB,VL,LE,VSVMBM,R
1.9"	12x50	PF,PS,OVAL,NND,R=F		
NGC 3379	Leo	M105 H17-1	Galaxy E1	VB,CL,R,PSBM,R
1.9"	12x50	PF,PS,OVAL,NND,R=F		
NGC 4192	Com	M98	Galaxy SAB(s)ab	B,VL,VME152,VSVMBM
1.9"	12x50	VF,S,OVAL,NND,R=F		
NGC 4254	Com	M99	Galaxy SA(s)c	B,L,R,GBM,R,3BRSPIRA
1.9"	12x50	F,S,OVAL,NND,R=F		
NGC 4303	Vir	M61 H139-1	Galaxy SAB(rs)bc	VB,VL,VSBM*,BIN
1.9"	12x50	PB,PS,OVAL,NND,R=G		
NGC 4374	Vir	M84	Galaxy E1	VB,PL,R,PSBM,R
1.9"	12x50	PF,PS,OVAL,NND,R=F		
NGC 4406	Vir	M86	Galaxy E3	VB,L,R,GBMN,R
1.9"	12x50	PF,PS,OVAL,NND,R=F		
NGC 4472	Vir	M49	Galaxy E2	VB,L,R,MBM,R
1.9"	12x50	PB,PS,OVAL,NND,R=G		
NGC 4548	Com	M91 H120-2	Galaxy SB(rs)b	B,L,LE,LBM
1.9"	12x50	VF,S,OVAL,NND,R=F		
NGC 4569	Vir	M90	Galaxy SAB(rs)ab	PL,BMN
1.9"	12x50	PB,PS,OVAL,NND,R=G		
NGC 4594	Vir	M104 H43-1	Galaxy SA(s)a sp	VB,VL,EE92,VSMBMN
1.9"	12x50	PB,PL,EON,NND,R=G		

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MAC	1018+2742	Leo		Galaxy	
	31"	17mmT4	CF,CS,R,NND,AV,R=F		
MAC	1021+1927	Leo		Galaxy	
	31"	17mmT4	F,S,OVAL,NND,AV,R=F		
MAC	1022+1947	Leo		Galaxy	
	31"	17mmT4	F,CS,OVAL,NND,AV,R=F		
MAC	1023+2001	Leo		Galaxy	
	31"	17mmT4	VF,CS,OVAL,NND,AV,R=F		
NGC	3196	Leo	H348-3	Galaxy	EEF,PS,LE
	31"	17mmT4	PF,PS,OVAL,NND,R=F		
NGC	3204	Leo		Galaxy SAB(r)b	EF,PL,GBM
	31"	17mmT4	F,PS,OVAL,NND,R=F		
NGC	3209	Leo		Galaxy E	F,S,R,HAS A *
	31"	17mmT4	PB,PLMOVAL,BNUC,R=G		
NGC	3213	Leo		Galaxy Sbc:	VF,VS,R,R
	31"	17mmT4	DIFF,CF,PL,OVAL,UB,NND,R=F		
NGC	3216	Leo	H330-3	Galaxy E:	VF,PS,R,BM
	31"	17mmT4	PF,PS,OVAL,FNUC,R=F		
NGC	3221	Leo		Galaxy SB(s)cd: sp	EF,ME,RAY
	31"	17mmT4	DIFF,PF,PL,EON,NND,R=F		
NGC	3222	Leo		Galaxy SB0:	F,LBM,RR,(BIN)
	31"	17mmT4	PB,PL,OVAL,FNUC,R=F		
NGC	3230	Leo		Galaxy S0	PF,PS,SBM*14,*9S19"
	31"	17mmT4	PB,PL,EL,OVAL,FNUC,MSB,R=G		
NGC	3239	Leo	H10-4	Galaxy IB(s)m pec	VF,*9INV NR M
	31"	17mmT4	DIFF,PF,CL,OVAL,NND,R=F		
NGC	3248	Leo	H347-2	Galaxy S0	PB,S,R,PSBM
	31"	17mmT4	PB,PL,EL,OVAL,FNUC,MSB,R=G		
NGC	3253	Leo		Galaxy SAB(rs)bc	VF,PS,R
	31"	17mmT4	DIFF,PF,PL,R,NND,R=F		
NGC	3270	Leo	H331-3	Galaxy SAB(r)b:	CF,VS,E,GLBM
	31"	17mmT4	PB,PL,EON,FNUC,R=G		
NGC	3287	Leo		Galaxy SB(s)d	F,PL,D*P24S,S4'
	31"	17mmT4	DIFF,PF,PL,EL,OVAL,NND,R=F		
NGC	3299	Leo	H54-3	Galaxy SAB(s)dm	EF,CL,R,VGBM,R
	31"	17mmT4	DIFF,CF,PL,OVAL,NND,AV,R=F		
NGC	3300	Leo	H55-3	Galaxy SAB(r)0^:?	CF,CS,R,PMBM,R,AMBST
	31"	17mmT4	CB,PL,OVAL,FNUC,MSB,R=G		

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NGC 3303 31"	Leo 17mmT4	H66-3 PF,PL,OVAL,UB,NND,R=F	Galaxy Pec	VF,VS,VLE,GLBM,R
NGC 3306 31"	Leo 17mmT4		Galaxy SB(s)m?	F,S,R
NGC 3332 31"	Leo 17mmT4	H272-1 DIFF,PF,PL,R,NND,R=F	Galaxy (R)SA0-	VF,S,LE130
NGC 3346 31"	Leo 17mmT4	H7-5 DIFF,PF,PL,R,NND,R=F	Galaxy SB(rs)cd	CF,VL,R,VGVLBM,ER
NGC 3349 31"	Leo 17mmT4		Galaxy Sc	EF,VS
NGC 3356 31"	Leo 17mmT4	H107-3 PB,PL,EL,OVAL,FNUC,MSB,R=G	Galaxy Sbc	VF,PS,R,BM,*9S150"
PGC 30221 31"	Leo 17mmT4		Galaxy Sb	
PGC 30263 31"	Leo 17mmT4		Galaxy S?	
PGC 30265 31"	Leo 17mmT4		Galaxy	
PGC 30326 31"	Leo 17mmT4		Galaxy S	
PGC 30328 31"	Leo 17mmT4		Galaxy Sab	
PGC 30397 31"	Leo 17mmT4		Galaxy	
PGC 30431 31"	Leo 17mmT4		Galaxy	
PGC 30432 31"	Leo 17mmT4		Galaxy L	
PGC 30456 31"	Leo 17mmT4		Galaxy	
PGC 30464 31"	Leo 17mmT4		Galaxy S	
PGC 30573 31"	Leo 17mmT4		Galaxy S	
PGC 30585 31"	Leo 17mmT4		Galaxy SB?	
PGC 31526 31"	Leo 17mmT4		Galaxy Sc	

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IC	663	Leo	Galaxy	
	31"	17mmT4	PF,PS,OVAL,UB,NND,R=F	
IC	664	Leo	Galaxy S0?	
	31"	17mmT4	FB,L,OVAL,UB,NND,R=F	
IC	666	Leo	Galaxy	
	31"	17mmT4	B,PS,OVAL,UB,NND,R=F	
IC	2626	Leo	Galaxy	
	31"	17mmT4	F,PS,EON,NND,R=F	
MAC	1104+0501	Leo	Galaxy	
	31"	17mmT4	VF,VS,R,NND,AV,R=F	
MAC	1109+2157	Leo	Galaxy	
	31"	17mmT4	PF,VS,OVAL,UB,NND,R=F	
MAC	1109+2158	Leo	Galaxy	
	31"	17mmT4	PF,VS,EON,UB,NND,R=F	
MAC	1110+2158	Leo	Galaxy	
	31"	17mmT4	PF,CS,OVAL,UB,NND,R=F	
MAC	1110+2206	Leo	Galaxy	
	31"	17mmT4	VF,VS,OVAL,NND,R=F	
MAC	1110+2208	Leo	Galaxy	
	31"	17mmT4	VF,VS,OVAL,NND,R=F	
MAC	1110+2213	Leo	Galaxy	
	31"	17mmT4	VF,VS,OVAL,NND,AV,R=F	
NGC	3485	Leo	H100-2 Galaxy SB(r)b:	F,L,R,GLBM,R
	31"	17mmT4	B,L,OVAL,UB,FNUC,R=G	
NGC	3487	Leo	Galaxy Sb? sp	EEF,PS,R, V DIFFIC
	31"	17mmT4	B,L,EL,OVAL,UB,NND,RR=F	
NGC	3490	Leo	Galaxy E	VF,S
	31"	17mmT4	CF,PS,R,UB,NND,R=F	
NGC	3491	Leo	H21-3 Galaxy S0-:	EF,CS,R,BMN
	31"	17mmT4	CB,CL,R,BNUC,HISB,R=F	
NGC	3492	Leo	Galaxy S?	PF,S,*9P20S,1'S
	31"	17mmT4	PB,L,OVAL,UB,FNUC,R=G	
NGC	3495	Leo	H498-3 Galaxy Sd:	VF,PL,ME
	31"	17mmT4	B,PL,EON,FNUC,MHISB,R=G	
NGC	3501	Leo	Galaxy Scd:	VF,ME NS,GBM,3'LONG
	31"	17mmT4	B,L,EON,UB,NND,R=G	
NGC	3506	Leo	H22-3 Galaxy Sc:	VF,CS,R,VGVLBM
	31"	17mmT4	PB,L,R,FNUC,MHISB,R=G	

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NGC 3509 31"	Leo 17mmT4	H598-3 B,PL,EL,OVAL,FNUC,MHISB,R=G	Galaxy SA(s)bc pec	EF,S,(LE)
NGC 3522 31"	Leo 17mmT4		Galaxy E	PF,VS,LE
NGC 3524 31"	Leo 17mmT4	H23-3 PB,PL,EON,BNUC,HISB,R=G	Galaxy S0/a	F,S,LE,PSBM,2*NPLINE
NGC 3531 31"	Leo 17mmT4		Non-Existent	E50,*11SPEND,(=3526)
NGC 3534 31"	Leo 17mmT4		Galaxy Sb	VF,*9NP 3'
NGC 3535 31"	Leo 17mmT4	H111-3 PB,CS,OVAL,BNUC,R=G	Galaxy SA(s)a pec:	CF,VS,R,BM,R
NGC 3547 31"	Leo 17mmT4	H42-2 PB,L,UB,NND,R=G	Galaxy Sb:	F,S,LE,VLBM
NGC 3551 31"	Leo 17mmT4		Galaxy	EEF,VS,R,SP OF 2
NGC 3555 31"	Leo 17mmT4		Galaxy E?	VF,R,NF OF 2
NGC 3559 31"	Leo 17mmT4	H79-3 B,PL,OVAL,UB,NND,R=F	Galaxy S pec	EF,PS,LE,R
NGC 3563 31"	Leo 17mmT4		Galaxy SB0:	PF,PL,*8M2'N
NGC 3563A 31"	Leo 17mmT4		Non-Existent	
NGC 4038 31"	Crv 17mmT4	H28.1-4 PB,CL,OVAL,UB,NND,R=G	Galaxy SB(s)m pec	PB,CL,R,VGBM
NGC 4039 31"	Crv 17mmT4	H28.2-4 PB,CL,OVAL,UB,NND,R=G	Galaxy SA(s)m pec	PF,PL
NGC 4594 31"	Vir 17mmT4	M104 H43-1 VB,VL,EON,BNUC,VHISB,R=E!!	Galaxy SA(s)a sp	VB,VL,EE92,VSMBMN
PGC 32948 31"	Leo 17mmT4		Galaxy	
PGC 33147 31"	Leo 17mmT4		Galaxy Sbc	
PGC 33170 31"	Leo 17mmT4		Galaxy	
PGC 33213 31"	Leo 17mmT4		Galaxy	

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PGC	33237	Leo	Galaxy S
	31"	17mmT4 VF,VS,EL,OVAL,NND,AV,R=F	
PGC	33244	Leo	Galaxy SB(s)c:
	31"	17mmT4 CF,PS,EON,NND,R=F	
PGC	33273	Leo	Galaxy
	31"	17mmT4 CF,PS,OVAL,NND,R=F	
PGC	33278	Leo	Galaxy Sab
	31"	17mmT4 CF,PS,OVAL,NND,AV,R=F	
PGC	33282	Leo	Galaxy L
	31"	17mmT4 B,VS,OVAL,FNUC,R=F	
PGC	33396	Leo	Galaxy Dwarf Spiral
	31"	17mmT4 VF,PS,R,NND,AV,R=F	
PGC	33461	Leo	Galaxy SAB(r)b:
	31"	17mmT4 VF,PS,OVAL,NND,AV,R=F	
PGC	33798	Leo	Galaxy E
	31"	17mmT4 PF,PL,OVAL,UB,NND,R=F	
PGC	33816	Leo	Galaxy
	31"	17mmT4 CF,PS,R,NND,AV,R=F	
PGC	33843	Leo	Galaxy
	31"	17mmT4 VF,VS,EL,OVAL,NND,R=F	

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IC	683	Leo		Galaxy D	
	31"	17mmT4	PF,PS,R,UB,NND,R=F		
MAC	1012+1243	Leo		Galaxy	
	31"	17mmT4	PF,PS,R,NND,R=F		
MAC	1013+1702	Leo		Galaxy	
	31"	17mmT4	F,PS,EON,NND,R=F		
MAC	1118+0937	Leo		Galaxy	
	31"	17mmT4	VF,VS,OVAL,NND,AV,R=F		
MAC	1120+0255A	Leo		Galaxy	
	31"	17mmT4	VF,VS,R,NND,R=F		
MAC	1120-0558	Leo		Galaxy	
	31"	17mmT4	VF,VS,EON,NND,AV,R=F		
NGC	3130	Leo		Galaxy S0/a	EF,S,PSBM,*5SF
	31"	17mmT4	PB,L,OVAL,FNUC,R=G		
NGC	3131	Leo		Galaxy SBb:	PB,PS,PME,GBM
	31"	17mmT4	PB,PL,EON,FNUC,R=G		
NGC	3153	Leo	H53-3	Galaxy Scd:	EF,PL,VLE,R,ST INV
	31"	17mmT4	PB,VL,OVAL,NND,R=G		
NGC	3154	Leo		Galaxy Sb	F,S,R,LBM
	31"	17mmT4	PB,L,EL,OVAL,FNUC,MSB,R=G		
NGC	3177	Leo	H25-3	Galaxy SA(rs)b	CF,S,R,PSBM
	31"	17mmT4	VB,PL,OVAL,BNUC,HISB,R=G		
NGC	3185	Leo		Galaxy (R)SB(r)a	PF,PL,GMBM
	31"	17mmT4	PB,L,OVAL,FNUC,MSB,R=G		
NGC	3186	Leo		Galaxy S	PF,VS,GBM,SEVF*NR
	31"	17mmT4	VF,L,R,NND,AV,R=F		
NGC	3187	Leo		Galaxy SB(s)c pec	VF,E
	31"	17mmT4	PB,L,EL,OVAL,NND,R=G		
NGC	3190	Leo	H44-2	Galaxy SA(s)a pec sp	B,PS,E,PSBMN
	31"	17mmT4	VB,PL,EON,BNUC,HISB,R=G		
NGC	3193	Leo	H45-2	Galaxy E2	B,S,VLE,PSLBM,*9NF
	31"	17mmT4	VB,L,R,BNUC,HISB,R=G		
NGC	3623	Leo	M65	Galaxy SAB(rs)a	B,VL,ME165,GBMBN
	31"	32mmUW	VB,VL,EON,BNUC,HISB,R=E		
NGC	3624	Leo		Galaxy SB(r)b	EF
	31"	17mmT4	PF,S,OVAL,NND,R=F		
NGC	3627	Leo	M66	Galaxy SAB(s)b	B,VL,ME150,MBM,2*NP
	31"	32mmUW	VB,PL,EL,OVAL,BNUC,HISB,R=G		

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NGC 3629 31"	Leo 17mmT4	H338-2 F,PL,OVAL,NND,R=F	Galaxy SA(s)cd:	CF,L,R,VGVLBM
NGC 3630 31"	Leo 17mmT4	Galaxy S0 sp VB,PL,EONB,BNUC,HISB,R=G		PB,S,R,SMBMN
NGC 3633 31"	Leo 17mmT4	Galaxy SAa: sp PB,L,EON,UB,NND,R=F		VF,S,R,2ST NR
NGC 3639 31"	Leo 17mmT4	Galaxy S? B,L,OVAL,UB,NND,R=F		PF,S,R,VLBM,15'F2376
NGC 3640 31"	Leo 17mmT4	H33-2 PB,L,R,BNUC,HISB,R=G	Galaxy E3	B,PL,R,PSBM
NGC 3641 31"	Leo 17mmT4	Galaxy E pec PB,S,R,BNUC,HISB,R=G		F,VS,ALMSTEL,3640N2'
NGC 3643 31"	Leo 17mmT4	Galaxy SB(r)0+: sp F,L,OVAL,UB,NND,R=F		EF,VS
NGC 3644 31"	Leo 17mmT4	Galaxy (R')SBa pec: PF,S,EL,OVAL,UB,NND,R=F		VF,VS
PGC 29722 31"	Leo 17mmT4	Galaxy S PB,L,EON,BNUC,HISB,R=G		
PGC 29768 31"	Leo 17mmT4	Galaxy S PF,S,OVAL,NND,R=F		
PGC 30008 31"	Leo 17mmT4	Galaxy S B,PS,R,NND,R=F		
PGC 34591 31"	Leo 17mmT4	Galaxy S0 pec VF,VS,R,NND,AV,R=F		
PGC 34633 31"	Leo 17mmT4	Galaxy VF,VS,OVAL,NND,R=F		

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NGC	1588	Tau	H9-2	Galaxy E pec?	F,VS,R,R,F OF DNEB
	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC	2045	Ori		Non-Existent	*8,9W/ F NEB
	8"	11mmT6	SINGLE STAR,R=P		
NGC	2296	CMa		Nebula E	VF,VS,R
	8"	11mmT6	VF,PS,OVAL,NND,AV,R=F		
NGC	2545	Cnc	H627-2	Galaxy (R)SB(r)ab	F,S,LE45,*8NP4'
	8"	7.5mmW	VF,VS,OVAL,NND,AV,R=F		
NGC	2562	Cnc	H607-3	Galaxy S0/a:	VF,CS,R
	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC	2608	Cnc	H318-2	Galaxy SB(s)b:	F,VLE,MBM,R
	8"	11mmT6	PF,VS,OVAL,NND,AV,R=F		
NGC	2672	Cnc	H48-2	Galaxy E1-2	PB,PL,IR,MBM
	8"	11mmT6	VF,VS,R,NND,AV,R=F		
NGC	2750	Cnc	H291-3	Galaxy SABc	VF,CL,R,BMN,2C *P
	8"	11mmT6	VF,VS,R,NND,AV,R=F		
NGC	2764	Cnc	H236-3	Galaxy S0:	CF,VS,R,ER,BET2PB*
	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC	2905	Leo	H57-1	Knot in Galaxy	VF,CL,R,PSBM,R,NFOF2
	8"	11mmT6	PB,L,OVAL,FNUC,USB,R=G		
NGC	2955	LMi	H541-3	Galaxy (R')SA(r)b	CF,PS,IR,GLBM,R
	8"	11mmT6	VF,VS,OVAL,NND,AV,SUSP,R=P		
NGC	3003	LMi	H26-5	Galaxy Sbc?	CB,L,VME90
	8"	11mmT6	VF,L,EON,NND,AV,R=F		
NGC	3021	LMi	H115-1	Galaxy SA(rs)bc:	PB,PS,VLE,MBM,*10SP
	8"	11mmT6	PF,PS,OVAL,NND,AV,R=F		
NGC	3158	LMi	H639-2	Galaxy E3:	CB,CS,R,PSBM,R
	8"	11mmT6	VF,VS,R,NND,AV,R=F		
NGC	3177	Leo	H25-3	Galaxy SA(rs)b	CF,S,R,PSBM
	8"	11mmT6	PF,VS,R,NND,AV,R=F		
NGC	3222	Leo		Galaxy SB0:	F,LBM,RR,(BIN)
	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC	3254	LMi	H72-1	Galaxy SA(s)bc	CB,L,ME45,PSMBMN
	8"	11mmT6	F,L,EON,NND,R=F		
NGC	3381	LMi	H565-2	Galaxy SB pec	PF,CL,IR,VGLBM,1ST-3
	8"	11mmT6	VF,PS,R,NND,AV,R=F		
NGC	3510	LMi	H365-2	Galaxy SB(s)m sp	F,L,CE,*7NF8'
	8"	11mmT6	PF,L,EON,NND,AV,R=F		

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NGC 3512
8"

LMi H366-2 Galaxy SAB(rs)c
11mmT6 VF,VS,R,NND,AV,R=F

F,PS,R,PGBM,F OF 2

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NGC	3621	Hya	H241-1	Galaxy SA(s)d	CB,VL,E160,AM4*
	8"	11mmT6	PF,PL,OVAL,NND,AV,R=F		
NGC	3953	UMa	H45-5	Galaxy SB(r)bc	CB,L,E0,VSMBLRN
	8"	11mmT6	PB,PL,EL,OVAL,FNUC,MSB,R=G		
NGC	3982	UMa	H62-4	Galaxy SAB(r)b:	B,PL,R,G,SBM,DISC
	8"	11mmT6	PF,L,OVAL,NND,=F		
NGC	3998	UMa	H229-1	Galaxy SA(r)0^?	CB,PS,R,VG,SMBM
	8"	11mmT6	PB,PL,OVAL,FNUC,MSB,R=G		
NGC	4024	Crv	H295-2	Galaxy SAB0-	F,VS,IF,BM
	8"	11mmT6	PF,PS,R,NND,AV,R=F		
NGC	4026	UMa	H223-1	Galaxy S0 sp	VB,CL,ME176,VSVMBMBN
	8"	11mmT6	PB,L,OVAL,FNUC,MSB,R=G		
NGC	4033	Crv	H508-2	Galaxy E6	PB,S,LE,BM
	8"	11mmT6	VF,PS,OVAL,NND,AV,R=F		
NGC	4036	UMa	H253-1	Galaxy S0-	VB,VL,E
	8"	11mmT6	PB,PL,EON,FNUC,MSB,R=G		
NGC	4041	UMa	H252-1	Galaxy SA(rs)bc:	B,CL,R,G,PSVMBMRN
	8"	11mmT6	PF,PL,R,NND,R=F		
NGC	4051	UMa	H56-4	Galaxy SAB(rs)bc	B,VL,E,VGVSMBM*11
	8"	11mmT6	PF,L,R,NND,AV,R=F		
NGC	4085	UMa	H224-1	Galaxy SAB(s)c:?	B,PL,ME78,VSMB
	8"	11mmT6	VF,PS,EL,EON,NND,AV,R=F		
NGC	4088	UMa	H206-1	Galaxy SAB(rs)bc	B,CL,E55,LBM
	8"	11mmT6	PF,L,EON,UB,NND,R=F		
NGC	4094	Crv		Galaxy SAB(rs)cd:	EF,L,PME,VGBM,2*11NR
	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC	4102	UMa	H225-1	Galaxy SAB(s)b?	B,PS,R,BMBN,*12SPVNR
	8"	11mmT6	PF,PS,EL,OVAL,UB,NND,R=F		
NGC	4114	Crv	H533-3	Galaxy (R')SAB(rs)a:	CF,S,IR,GBM
	8"	11mmT6	VF,VS,R,NND,AV,R=F		
NGC	5322	UMa	H256-1	Galaxy E3-4	VB,PL,IR,PSMBM
	8"	11mmT6	PB,L,OVAL,FNUC,HISB,R=G		
NGC	5473	UMa	H231-1	Galaxy SAB(s)0-:	PB,S,R,GBM
	8"	11mmT6	PF,PS,OVAL,UB,NND,R=F		
NGC	5474	UMa	H214-1	Galaxy S(c)	PB,L,BM
	8"	11mmT6	VF,PS,R,NND,AV,R=F		
NGC	5485	UMa	H232-1	Galaxy SA0 pec	CB,R,VGBM,F OF 2
	8"	11mmT6	PF,PS,R,NND,AV,R=F		

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NGC 5631 8"	UMa 11mmT6	H236-1 CF,CS,R,NND,R=F	Galaxy SA(s)0^	B,S,R,PSBMN
NGC 5812 8"	Lib 11mmT6	H71-1 PF,PS,OVAL,NND,R=F	Galaxy E0	CB,S,R,SVMBM
NGC 6196 8"	Her 11mmT6		Galaxy SAB0-: pec	VF,VS,STELLAR
NGC 6207 8"	Her 11mmT6	H701-2 PF,L,OVAL,NND,R=F	Galaxy SA(s)c	PB,PL,E45,VGMBM
NGC 6217 8"	UMi 11mmT6	H280-1 VF,VS,R,NND,AV,R=F	Galaxy (R)SB(rs)bc	B,CL,LE,SLBM
NGC 6239 8"	Her 11mmT6	H727-3 PF,L,OVAL,NND,AV,R=F	Galaxy SB(s)b pec?	VF,E,BIN,NPSF
NGC 6555 8"	Her 7.5mmW	H902-2 VF,VS,OVAL,NND,AV,R=F	Galaxy SAB(rs)c	F,L,R,VGLBM
NGC 6664 8"	Sct 11mmT6	H12-8 B,L,LOOSE GROUP,R=F	Open Cluster 9.0 III 2 m	CL,L,PRI,VLC

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NGC	598	Tri	M33	H17-5	Galaxy SA(s)cd	EB,EL,R,VGBMN	6
	8"	25mmPL	M.M. BETWEEN CLOUDS				
NGC	1912	Aur	M38		Open Cluster 8.0 II 2 r	CL,B,VL,VRI,IF,STL\$\$	
	1.9"	12x50	M.M. BETWEEN CLOUDS				
NGC	1960	Aur	M36		Open Cluster 9.0 I 3 r	CL,B,VL,VRI,CL,*9.11	
	1.9"	12x50	M.M. BETWEEN CLOUDS				
NGC	1976	Ori	M42		Nebula EN+RN	THETAORI \$GREAT NEB	
	1.9"	12x50	M.M. BETWEEN CLOUDS				
NGC	1982	Ori	M43	H1-3	Nebula E	VB,VL,RW/TAIL,MBM*8	
	1.9"	12x50	M.M. BETWEEN CLOUDS				
NGC	2068	Ori	M78		Nebula R	B,L,WISP,GMBN,3*INV	
	1.9"	12x50	M.M. BETWEEN CLOUDS				
NGC	2099	Aur	M37		Open Cluster 11.0 I 2 r	CL,RI,PCM,ST L\$\$	
	1.9"	12x50	M.M. BETWEEN CLOUDS				
NGC	3610	UMa		H270-1	Galaxy E5:	VB,PS,LE90,VSVMBMSN	
	8"	11mmT6	PB,S,R,BNUC,R=G				
NGC	3613	UMa		H271-1	Galaxy E6	VB,CL,ME305,SMBMN	
	8"	11mmT6	F,PS,OVAL,FNUC,R=G				
NGC	3619	UMa		H244-1	Galaxy (R)SA(s)0+:	CB,CL,R,VGMBM	
	8"	11mmT6	F,PS,R,NND,R=F				
NGC	3631	UMa		H226-1	Galaxy SA(s)c	PB,L,R,SVMBMRN	
	8"	11mmT6	B,PL,R,FNUC,R=G				
NGC	3642	UMa		H245-1	Galaxy SA(r)bc:	PB,PL,R,VGBM	
	8"	11mmT6	F,PL,OVAL,NND,R=F				
NGC	3643	Leo			Galaxy SB(r)0+: sp	EF,VS	
	8"	11mmT6	F,PS,OVAL,FNUC,R=F				
NGC	3665	Leo		H219-1	Galaxy SA(s)0^	CB,CL,IR,PGMBM	
	8"	11mmT6	PB,L,OVAL,BNUC,R=G				
NGC	3675	UMa		H194-1	Galaxy SA(s)b	VB,CL,VME0,VSMBMN	
	8"	11mmT6	PB,PL,EL,OVAL,BNUC,R=G				
NGC	3726	UMa		H730-2	Galaxy SAB(r)c	PB,VL,LE0,VSMBM,*11N	
	8"	11mmT6	PF,PL,OVAL,NND,R=F				
NGC	3813	UMa		H94-1	Galaxy SA(rs)b:	CB,PL,PME90,BM	
	8"	11mmT6	CF,CS,OVAL,NND,R=F				
NGC	3877	UMa		H201-1	Galaxy SA(s)c:	B,L,ME37	
	8"	11mmT6	PF,PL,EON,NND,R=F				
NGC	3888	UMa		H785-2	Galaxy SAB(rs)c	PB,S,LE,PGBM	
	8"	11mmT6	PF,PS,UB,NND,R=F				

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NGC 3893 8"	UMa 11mmT6	H738-2 VF,PS,OVAL,NND,AV,R=F	Galaxy SAB(rs)c:	B,PL,R,MBM
NGC 3898 8"	UMa 11mmT6	H228-1 PB,PS,OVALFNUC,R=G	Galaxy SA(s)ab	B,PL,LE,SVMBM
NGC 3938 8"	UMa 11mmT6	H203-1 DIFF,PF,PL,OVAL,NND,R=F	Galaxy SA(s)c	B,VL,R,BMPBN,ER
NGC 3941 8"	UMa 11mmT6	H173-1 PB,CS,OVA,,BNUC,R=G	Galaxy SB(s)0^	VB,PL,R,SMBM*9
NGC 3945 8"	UMa 11mmT6	H251-1 PF,S,OVAL,NND,R=F	Galaxy (R)SB(rs)0+	B,PL,R,GMBM,R,*12SP
NGC 3949 8"	UMa 11mmT6	H202-1 PF,S,OVAL,NND,R=F	Galaxy SA(s)bc:	CB,PL,PME,VGBM

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NGC 2183	Mon		Nebula R	EF,S,LE,*11,12SP
8"	11mmT6	PF,PS,R=F,HINT OF NEBULOSITY		
NGC 2185	Mon	H20-4	Nebula R	*11\$4S*IN VF,L,NEB
8"	11mmT6	PF,PS,R=F,HINT OF NEBULOSITY		
NGC 2232	Mon	H25-8	Open Cluster 5.0 III 2 p	B* 10MON +CL
8"	19mmW	PB,PL,R=F,LOOSE GROUP		
NGC 2264	Mon	H5-8	Open Cluster 5.0 III 3 m n	15MON,CL,**,(NEB)
8"	19mmW	PB,PL,R-G		
NGC 2350	CMi		Galaxy S0/a	EF,ES,IR
8"	11mmT6	PB,S,R=F,RESOLVE 12+ STARS		
NGC 2360	CMA	H12-7	Open Cluster 10.4 I 3 r	CL,VL,RI,PC,ST9...12
8"	19mmW	F,S,R=F,RESOLVE 7+ STARS		
NGC 2421	Pup	H67-7	Open Cluster 11.0 I 2 r	CL,L,CRI,*11...13
8"	19mmW	F,PL,R=F,DIM PATCH		
NGC 2423	Pup	H28-7	Open Cluster 9.0 II 2 m	CL,VL,RI,PC,ST VS
8"	19mmW	F,PL,R=G,DIM PATCH		
NGC 2438	Pup	H39-4	Planetary Neb 4+2	PLN,PB,PS,VLE,R
8"	7.5mmW	VF,VS,R=F, NO CENTRAL STAR		
NGC 2440	Pup	H64-4	Planetary Neb 5+3	PLN,CB,NOT VWELL DEF
8"	7.5mmW	F,PS,R=F,IRREGULAR IN SHAPE		
NGC 2479	Pup	H58-7	Open Cluster III 1 m	CL,PL,PRI,PC,ST S
8"	19mmW	F,S,R=F,LOOSE GROUP		
NGC 2482	Pup	H10-7	Open Cluster 10.0 IV 1 m	CL,L,CRI,VLC
8"	19mmW	B,PL,R=F, LOOSE GROUP		
NGC 2489	Pup	H23-7	Open Cluster 11.0 I 2 m	CL,PL,CRI,PC,*11..13
8"	19mmW	F,S,R=F		
NGC 2509	Pup	H1-8	Open Cluster I 1 r	CL,B,PRI,LC,ST S
8"	19mmW	F,PL,R=F,DIM PATCH		
NGC 2527	Pup	H30-8	Open Cluster II2m	CL,VL,PRI,LC,*10..15
8"	19mmW	F,PL,R=F,PATCHY		
NGC 2539	Pup	H11-7	Open Cluster 9.0 III 2 m	CL,VL,RI,LC,*11...13
8"	19mmW	B,PL,R=G,RESOLVE FAINTER STARS		
NGC 2567	Pup	H64-7	Open Cluster 11.0 II 2 m	CL,PL,PRI,LC,IR,*11.
8"	19mmW	PF,L,R=F		
NGC 2571	Pup	H39-6	Open Cluster 8.8 II 3 m	CL,VL,CRI,LC,ST9...
8"	19mmW	VF,L,R=F		
NGC 2613	Pyx	H266-2	Galaxy SA(s)b	CB,L,VME110
8"	11mmT6	PF,PS,EON,NND,AV,R=F		

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NGC	2627	Pyx	H63-7	Open Cluster 11.0 II 2 r	CL,CL,PRI,PC,*11..13
	8"	11mmT6	PF,S,R=F		
NGC	2683	Lyn	H200-1	Galaxy SA(rs)b	VB,VL,VME39,GMBM
	8"	11mmT6	PB,PL,EON,FNUC,R=G		
NGC	2742	UMa	H249-1	Galaxy SA(s)c:	CB,CL,E90,ER
	8"	11mmT6	PF,PS,OVAL,NND,R=F		
NGC	2782	Lyn	H167-1	Galaxy SAB(rs)a pec	CB,R,MBMBN
	8"	11mmT6	PF,PS,OVAL,NND,AV,R=F		
NGC	2859	LMI	H137-1	Galaxy (R)SB(r)0+	VB,PL,R,SMBM
	8"	11mmT6	PF,S,R,NND,R=F		
NGC	2974	Sex	H61-1	Galaxy E4	B,CS,IR,BM,*9SP43"
	8"	11mmT6	PF,PS,OVAL,NND,R=F		
NGC	3077	UMa	H286-1	Galaxy I0 pec	CB,CL,MBM,R WITH RAY
	8"	11mmT6	PF,L,OVAL,NND,AV,R=F		
NGC	3166	Sex	H3-1	Galaxy SAB(rs)0/a	B,PS,R,PSMBM,2ND OF3
	8"	11mmT6	CB,CL,OVAL,FNUC,MHISB,R=G		
NGC	3169	Sex	H4-1	Galaxy SA(s)a pec	B,PL,VLE,PGMBM,3RD-3
	8"	11mmT6	CB,CL,OVAL,FNUC,R=G		
NGC	3184	UMa	H168-1	Galaxy SBc	PB,VL,R,VGBM
	8"	11mmT6	VF,S,R,NND,AV,R=F		
NGC	3198	UMa	H199-1	Galaxy SB(rs)c	PB,VL,ME45,VGBM
	8"	11mmT6	VF,S,EON,NND,AV,R=F		
NGC	3245	LMI	H86-1	Galaxy SA(r)0^:?	VB,PL,E0, SMBMEN
	8"	11mmT6	PF,PS,OVAL,NND,R=F		
NGC	3277	LMI	H359-2	Galaxy SA(r)ab	CB,CS,R,PGMBM
	8"	11mmT6	VF,VS,R,NND,R=F		
NGC	3294	LMI	H164-1	Galaxy SA(s)c	CB,L,ME135,GLBM
	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC	3310	UMa	H60-4	Galaxy SAB(r)bc pec	CB,PL,R,VG,VSMBMN
	8"	11mmT6	CB,PS,R,FNUC,R=G		
NGC	3344	LMI	H81-1	Galaxy (R)SAB(r)bc	CB,L,GBM,*INV,2ST F
	8"	11mmT6	PF,CL,OVAL,FNUC,R=F		
NGC	3486	LMI	H87-1	Galaxy SAB(r)c	CB,CL,R,GMBM
	8"	11mmT6	VF,CL,R,NND,AV,R=F		
NGC	3610	UMa	H270-1	Galaxy E5:	VB,PS,LE90,VSVMBMSN
	8"	11mmT6	PF,PS,R,NND,R=F		
NGC	3655	Leo	H5-1	Galaxy SA(s)c:	PB,PS,IR,BM,R
	8"	11mmT6	VF,VS,R,NND,AV,R=F		

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NGC 4449 **CVn** **H213-1** **Galaxy IBm** **VB,CL,ME,DORBIFID,*F**
 8" 11mmT6 PB,PL,OVAL,FNUC,MHISB,R=G

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NGC 2287 **CMa** **M41** **Open Cluster 8.0 I 3 r** **CL,VL,B,LC,ST 8...**
 1.9" 12x50 VB,VL,NND,R=G, RESOLVE 12+

NGC 2359 **CMa** **H21-5** **Nebula E** **VF,VVL,VIF**
 8" 19mmW PB,L,NEBULOSITY,R=G,OIII FILTER

NGC 3623 **Leo** **M65** **Galaxy SAB(rs)a** **B,VL,ME165,GBMBN**
 1.9" 12x50 VF,PS,OVAL,NND,AV,R=F

NGC 3627 **Leo** **M66** **Galaxy SAB(s)b** **B,VL,ME150,MBM,2*NP**
 1.9" 12x50 B,PL,OVAL,NND,R=G

NGC 4321 **Com** **M100** **Galaxy SAB(s)bc** **PF,VL,R,VG,PSBMRN**
 1.9" 12x50 F,S,OVAL,NND,R=F

NGC 4382 **Com** **M85** **Galaxy SA(s)0+ pec** **VB,PL,R,BM,*NP**
 1.9" 12x50 VF,PS,OVAL,NND,AV,R=F

NGC 4486 **Vir** **M87** **Galaxy E+0-1 pec** **VB,VL,R,MBM,3RD OF 3**
 1.9" 12x50 PF,S,OVAL,R=F

NGC 4501 **Com** **M88** **Galaxy SA(rs)b** **B,VL,VME**
 1.9" 12x50 PF,S,OVAL,NND,R=F

NGC 4552 **Vir** **M89** **Galaxy E0-1** **PB,PS,R,GMBM**
 1.9" 12x50 B,S,R,NND,R=F

NGC 4579 **Vir** **M58** **Galaxy SAB(rs)b** **B,L,IR,VMBM,R**
 1.9" 12x50 F,S,R,NND,R=F

NGC 4621 **Vir** **M59** **Galaxy E5** **B,PL,LE,VSVMBM,2*P**
 1.9" 12x50 B,PS,OVAL,FNUC,R=G

NGC 4649 **Vir** **M60** **Galaxy E2** **VB,PL,R,FOF DNEB**
 1.9" 12x50 B,PS,R,FNUC,R=G

NGC 4826 **Com** **M64** **Galaxy (R)SA(rs)ab** **VB,VL,VME120,BMSBN**
 1.9" 12x50 B,PL,OVAL,NND,R=G

NGC 5024 **Com** **M53** **Globular** **GCL,B,VC,IR,VVMBM,**
 1.9" 12x50 PB,PL,R=G,COMPRESSED

NGC 5053 **Com** **H7-6** **Globular** **CL,VF,PL,IR,VGBM,*15**
 1.9" 12x50 PB,PL,R=G,COMPRESSED

NGC 5055 **CVn** **M63** **Galaxy SA(rs)bc** **VB,L,PME120,VSMBMBN**
 1.9" 12x50 F,FL,OVAL,NND,R=G

NGC 5272 **CVn** **M3** **Globular** **GCL,EB,VL,VSMBM,*11.**
 1.9" 12x50 F,PS,R=F

Observations Listing by Date

March 8, 2007**Home**

NGC	2232	Mon	H25-8	Open Cluster 5.0	III 2 p	B* 10MON +CL
	1.9"	12x50	FB,S,LOOSE,R=F			
NGC	2244	Mon	H2-7	Open Cluster 7.0	II 3 r n	CL, BEAUTIFUL, STSC
	1.9"	12x50	PB,S,VFAINT NEBULOSITY,R=F			
NGC	2264	Mon	H5-8	Open Cluster 5.0	III 3 m n	15MON,CL,**,(NEB)
	1.9"	12x50	PB,S,R=F			
NGC	2301	Mon	H27-6	Open Cluster 8.0	I 3 r	CL,RI,L,IF,ST L\$\$
	1.9"	12x50	PB,S,COMPRESSED,R=F			
NGC	2323	Mon	M50	Open Cluster 9.0	II 3 r	CL,VL,RI,PC,E,
	1.9"	12x50	B,PL,RICH PATCH, RESOLVE 7+ STARS			
NGC	2632	Cnc	M44	Open Cluster 6.0	II 3 m	PRAESEPE CANCRI
	1.9"	12x50	B,L,RICH CLUSTER,R=G			
NGC	2682	Cnc	M67	Open Cluster 9.0	II 3 r	CL,VB,VL,ERI,LC,*10.
	1.9"	12x50	PB,PL,PATCHY,R=G			
NGC	3031	UMa	M81	Galaxy SA(s)ab		EB,EL,E156,GVMBMBN 2
	1.9"	12x50	FB,L,OVAL,FNUC,R=G			
NGC	3034	UMa	M82 H79-4	Galaxy I0 sp		VB,VL,VME(RAY)
	1.9"	12x50	FB,FS,OVAL,NND,R=F			
NGC	3556	UMa	M108 H46-5	Galaxy SB(s)cd sp		CB,VL,VME79,PBM,R
	1.9"	12x50	F,S,EON,NND,R=F			
NGC	3587	UMa	M97	Planetary Neb 3a		PLN,VB,VL,R,VVG,VSBM
	1.9"	12x50	B,R,R=G. LOOKS STELLAR			
NGC	4736	CVn	M94	Galaxy (R)SA(r)ab		VB,L,IR,VSVMBMBN,R
	1.9"	12x50	PF,S,R,NND,R=F			

January 11, 2007**Home**

NGC	5194	CVn	M51	Galaxy SA(s)bc pec		GREAT SPIRAL NEBULA
	1.9"	12x50	VB,PL,OVAL,BNUC,R=G			

December 28, 2006**Home**

CR	62	Aur		Galaxy IV3p		
	1.9"	12x50	PF,S,PATCHY,UNRESOLVED,R=F			
CR	89	Gem		Galaxy IV2pn		
	1.9"	12x50	LARGE,FEW STARS,R=F			
NGC	1664	Aur	H59-8	Open Cluster 10.0	III 1 p	CL,LRI,LC,PL
	1.9"	12x50	F,S,PATCHY,AV,UNRESOLVED,R=F			
NGC	1778	Aur	H61-8	Open Cluster 10.1	III 2 p	CL,PC,LRI,IF,ST L
	1.9"	12x50	PF,PS,PATCHY,AV,UNRESOLVED,R=F			
NGC	1857	Aur	H33-7	Open Cluster 11.0	I 3 m	CL,PRI,PC,ST7...
	1.9"	12x50	F,S,PATCHY,UNRESOLVED,R=F			
NGC	2168	Gem	M35	Open Cluster 8.0	III 3 r	CL,VL,CRI,PC,ST9..16
	1.9"	12x50	B,L,RESOLVE OUTER STARS,R=G			

Observations Listing by Date

December 20, 2006 Hidden Hollow - RAS

IC	456	CMa	Galaxy SB(rs)0^
	31"	17mmT4	PB,FL,OVAL,FNC,R=G
NGC	2359	CMa	H21-5 Nebula E
	31"	31mmT5	VB,EL,NEBULOSITY!!,R=E!!!!,OIII FILTER
PGC	20383	Cam	Galaxy S?
	31"	17mmT4	PF,PS,OVAL,NND,AV,R=F
PGC	20434	Cam	Galaxy I?
	31"	17mmT4	VF,VS,OVAL,NND,AV,R=F
PGC	20460	Cam	Galaxy Ring
	31"	17mmT4	CB,PS,E,OVAL,FNUC,R=F
PGC	21685	Cam	Galaxy S
	31"	17mmT4	VF,VS,OVAL,NND,AV,R=F
PGC	21693	Cam	Galaxy SB?
	31"	17mmT4	VF,VS,OVAL,NND,AV,R=F
PGC	21896	Cam	Galaxy S0-
	31"	17mmT4	PB:,PS,E,OVAL,FNUC,MHISB,R=G
PGC	21971	Cam	Galaxy SAB(s)c?
	31"	17mmT4	PB,PL,R,BNUC,HISB,R=G
PGC	22010	Cam	Galaxy
	31"	17mmT4	VF,CS,OVAL,NND,AV,R=F
PGC	22044	Cam	Galaxy Sc
	31"	17mmT4	VF,VS,OVAL,NND,AV,R=F
PGC	22050	Cam	Galaxy E?
	31"	17mmT4	PB,PL,E,OVAL,FNUC,R=G
PGC	22067	Cam	Galaxy S?
	31"	17mmT4	PF,PS,OVAL,NND,R=F
PGC	22127	Cam	Galaxy Sa
	31"	17mmT4	PB,PL,EON,BNUC,HISB,R=G

Observations Listing by Date

December 19, 2006 Hidden Hollow - RAS

B	33	Ori	Nebula Ir
	31"	31mmT5	PB,VL,R=E!!!, H.BETA FILTER
HAFF	6	CMa	Open Cluster IV2rn
	31"	17mmT4	PF,PS,R=F,VMCOMPRESSED
IC	221	Tri	Galaxy Sc
	31"	17mmT4	PF,L,OVAL,NND,R=F
IC	226	Tri	Galaxy S?
	31"	17mmT4	CF,PS,OVAL,NND,R=F
IC	227	Tri	Galaxy E
	31"	17mmT4	PB,L,OVAL,FNUC,MHISB,R=G
IC	468	CMa	Nebula E
	31"	31mmT5	NORTHERN PART OF NGC2359 - OIII FILTER!!!
IC	468	CMa	Nebula E
	31"	31mmT5	NORTHERN PART OF NGC2359 - NO FILTER
IC	1784	Tri	Galaxy SA(rs)bc pec:
	31"	17mmT4	DIFF,PF,PL,OVAL,NND,R=F
IC	1785	Tri	Galaxy E
	31"	17mmT4	CF,PS,OVAL,NND,AV,R=F
IC	1789	Tri	Galaxy Sa:
	31"	17mmT4	PB,PL,ME,EON,FNUC,R=G
IC	1792	Tri	Galaxy Compact
	31"	17mmT4	CB,PS,R,BNUC,R=G
IC	1793	Tri	Galaxy Sab
	31"	17mmT4	CF,L,PME,OVAL,FNUC,R=F
IC	1815	Tri	Galaxy SB0
	31"	17mmT4	PB,PL,R,BNUC,HISB,R=E
IC	2163	CMa	Galaxy SB(rs)c pec
	31"	17mmT4	R,PL,OVAL,NND,R=F
IC	2165	CMa	Planetary Neb 3b
	31"	17mmT4	VB,PS,R=G, NO CENTRAL STAR
IC	2171	CMa	Galaxy IB(s)m:
	31"	17mmT4	PF,CS,OVAL,NND,R=F
MAC	0214+3051A	Tri	Galaxy
	31"	17mmT4	VF,VS,OVAL,NND,R=F
MAC	0214+3051B	Tri	Galaxy
	31"	17mmT4	VF,VS,OVAL,NND,R=F
MAC	0215+3041	Tri	Galaxy
	31"	17mmT4	VF,VS,OVAL,NND,AV,R=F

Observations Listing by Date

December 19, 2006 Hidden Hollow - RAS

MAC	0215+3047	Tri	Galaxy	
	31"	17mmT4	VF,PS,OVAL,NND,AV,R=F	
MAC	0216+2837	Tri	Galaxy	
	31"	17mmT4	VF,PS,EON,NND,AV,R=F	
MAC	0217+3220	Tri	Galaxy	
	31"	17mmT4	VF,PS,OVAL,NND,R=F	
MAC	0219+3424	Tri	Galaxy	
	31"	17mmT4	PF,PS,R,NND,AV,R=F	
MAC	0219+3433	Tri	Galaxy	
	31"	17mmT4	VF,PS,OVAL,NND,R=F	
MAC	0219+3437	Tri	Galaxy	
	31"	17mmT4	VF,PS,OVAL,NND,R=F	
MAC	0227+2802	Tri	Galaxy	
	31"	17mmT4	VF,VS,R,NND,AV,R=F	
MAC	0228+3118	Tri	Galaxy	
	31"	17mmT4	VF,PS,R,NND,AV,R=F	
MAC	0234+3247	Tri	Galaxy	
	31"	17mmT4	PF,CS,R,NND,AV,R=F	
MAC	0234+3253	Tri	Galaxy	
	31"	17mmT4	VF,VS,R,NND,AV,R=F	
NGC	860	Tri	Galaxy E	*13IN F NEB
	31"	17mmT4	PB,PS,OVAL,FNUC,R=F	
NGC	861	Tri	Galaxy Sb	VF,S,D*ATT SP
	31"	17mmT4	PB,CS,EON,FNUC,MHISB,R=G	
NGC	865	Tri	Galaxy S?	EF,ES,IR
	31"	17mmT4	PB,PL,PME,EON,UB,NND,R=G	
NGC	931	Tri	Galaxy SAbc	F,PL,IR
	31"	17mmT4	PB,L,EON,FNUC,HISB,R=G	
NGC	968	Tri	Galaxy E	PF,PS,R,BM
	31"	17mmT4	PB,PL,OVAL,BNUC,HISB,R=G	
NGC	969	Tri	Galaxy S0	S,R,PSBM,1ST OF 5
	31"	17mmT4	PB,PL,E,OVAL,BNUC,HISB,R=G	
NGC	970	Tri	Galaxy S	VF,VS,R,2ND OF 5
	31"	17mmT4	PF,PS,OVAL,NND,R=F	
NGC	971	Tri	Galaxy	VF,VS,R,3RD OF 5
	31"	17mmT4	VF,VS,OVAL,NND,AV,R=F	
NGC	973	Tri	Galaxy Sb	EEF,S,ME,PB*NR SP
	31"	17mmT4	PB,CL,EON,BNUC,R=G	

Observations Listing by Date

December 19, 2006 Hidden Hollow - RAS

NGC 974 31"	Tri 17mmT4	Galaxy SAB(rs)b: PB,PL,OVAL,FNUC,HISB,R=G	VF,R,BM,4TH OF 5
NGC 978 31"	Tri 17mmT4	Galaxy S0- VB,CL,OVAL,BNUC,HISB,R=G	PB,R,5TH OF 5
NGC 978B 31"	Tri 17mmT4	Galaxy S0 PB,PL,OVAL,FNUC,R=F	
NGC 987 31"	Tri 17mmT4	H161-3 Galaxy SB0/a PB,CL,OVAL,BNUC,HISB,R=F	F,S,VLE,BM,R,2*14 NP
NGC 2207 31"	CMa 17mmT4	Galaxy SAB(rs)bc pec PB,CL,EON,BNUC,HISB,R=G	PB,PL,ME87,PSLBMRN
NGC 2359 31"	CMa 31mmT5	H21-5 Nebula E PB,EL,PATCH,R=E,HINT-NEBULOSITY,NO FILTER	VF,VVL,VIF
PGC 8608 31"	Tri 17mmT4	Galaxy C PF,PS,OVAL,NND,R=F	
PGC 8613 31"	Tri 17mmT4	Galaxy C CF,CS,OVAL,NND,R=F	
PGC 8763 31"	Tri 17mmT4	Galaxy VF,VS,OVAL,NND,AV,R=F	
PGC 8842 31"	Tri 17mmT4	Galaxy PF,PS,OVAL,NND,AV,R=F	
PGC 8857 31"	Tri 17mmT4	Galaxy C PF,VS,R,FNUC,R=F	
PGC 9789 31"	Tri 17mmT4	Galaxy PF,S,E,OVAL,NND,R=F	
PGC 9820 31"	Tri 17mmT4	Galaxy S VF,VS,OVAL,NND,AV,R=F	

Observations Listing by Date

December 18, 2006 Hidden Hollow - RAS

IC	351	Per	Planetary Neb 2a	
	31"	20mmUW PB,VS,R,R=G		
IC	374	Tau	Galaxy	
	31"	20mmUW PF,S,EON,NND,R=F		
IC	2003	Per	Planetary Neb 2	
	31"	20mmUW B,VS,R,R=G		
MAC	0405+2526	Tau	Galaxy	
	31"	20mmUW VF,VS,EL,OVAL,NND,R=F		
NGC	783	Tri	Galaxy Sc	EF,S,IR,VF ST ATT
	31"	20mmUW B,PLMOVAL,NND,R=F		
NGC	1465	Per	Galaxy S0/a	PF,PS,R,PB*NR P
	31"	20mmUW B,L,EON,NND,R=G		
NGC	1508	Tau	Galaxy Sc	VF,VS,R,BM,R
	31"	20mmUW PF,PS,OVAL,NND,R=F		
NGC	1517	Tau	Galaxy Scd:	VF,VS,R,R,*9,10SF
	31"	20mmUW CF,CS,OVAL,NND,R=F		
NGC	1534	Ret	Galaxy SA(rs)0/a: sp	F,S,R,VS*3/4D SF
	31"	20mmUW F,S,R=P,HINT OF NEBULOSITY.		
NGC	1539	Tau	Galaxy C	VF,VS,GBM
	31"	20mmUW PF,S,R,NND,R=F		
NGC	1615	Tau	Galaxy SA0-:	VF,VS,R,LBM,VS*INV
	31"	20mmUW F,S,OVAL,NND,R=F		
NGC	2360	CMa	H12-7 Open Cluster 10.4 I 3 r	CL,VL,RI,PC,ST9...12
	1.9"	12x50 F,S,R=F,UNCOMPRESSED GROUP		
PGC	13884	Per	Galaxy Sbc	
	31"	20mmUW PF,PS,EON,NND,R=F		
PGC	14034	Per	Galaxy S?	
	31"	20mmUW PF,L,OVA,NND,R=F		
PGC	14152	Per	Galaxy S0	
	31"	20mmUW PF,PS,OVAL,NND,R=F		
PGC	14253	Tau	Galaxy S IV	
	31"	20mmUW VF,PS,R,NND,AV,R=F		
PGC	14276	Per	Galaxy Scd:	
	31"	20mmUW VF,PS,EON,NND,R=F		
PGC	14314	Tau	Galaxy (R)SB(s)a	
	31"	20mmUW F,PS,OVAL,NND,R=F		
PGC	14315	Tau	Galaxy (R')SAB(s)a	
	31"	20mmUW VF,PS,R,NND,AV,R=F		

Observations Listing by Date

November 27, 2006 Home

NGC 1528 **Per** **H61-7** **Open Cluster 10.0 II 2 m** **CL,B,VRI,CC**
 1.9" 12x50 F,PS,COARSE GROUP,R=F

November 26, 2006 Home

CR 256 **Com** **Open Cluster III3r**
 1.9" 12x50 B,PL,LOOSE,R=F

IC 410 **Aur** **Nebula E** **DIF, MANY ST INV**
 1.9" 19mmW NEBULA ASSOCIATED WITH NGC 1893

KEMBL1 **Cam** **Open Cluster**
 1.9" 12x50 BRIGHT-STRING,R=F

NGC 129 **Cas** **H79-8** **Open Cluster 11.0 III 2 m** **CL,VL,PR,LC,*9...13**
 1.9" 12x50 F,L,DIM,RESOVLE 2-3 STARS,R=F

NGC 436 **Cas** **H45-7** **Open Cluster 10.0 I 2 m** **CL,S,IF,PC**
 1.9" 12x50 F,PS,DIM PATCH,R=F

NGC 457 **Cas** **H42-7** **Open Cluster 8.6 II 3 r** **CL,B,L,PRI,*7,8,10**
 1.9" 12x50 F,L,DIM,PATCHY,R=F

NGC 663 **Cas** **H31-6** **Open Cluster 9.0 II 3 r** **CL,B,L,ERI,ST PL**
 1.9" 12x50 F,CS,PATCHY,R=F

NGC 752 **And** **H32-7** **Open Cluster 8.0 II 2 r** **CL,VVL,RI,*L\$SC**
 1.9" 12x50 B,L,LOOSE,RESOLVE 4-5 STARS,R=F

NGC 1502 **Cam** **H47-7** **Open Cluster 7.0 I 3 m** **CL,PRI,CC,IF**
 1.9" 12x50 COMPACT, BRIGHT, R=G

NGC 1893 **Aur** **Open Cluster 9.3 II 3 r n** **CL,L,RI,LC**
 1.9" 12x50 F,S,R=F

NGC 2281 **Aur** **H71-8** **Open Cluster 8.0 I 3 m** **CL,PRI,VLC,ST PL**
 1.9" 12x50 B,S,RESOLVE 4-5+,R=G

NGC 2403 **Cam** **H44-5** **Galaxy Sc** **CB,EL,VME,VGMBMN**
 1.9" 12x50 PF,PS,OVAL,AV,R=F

NGC 7789 **Cas** **H30-6** **Open Cluster 10.0 II 2 r** **CL,VL,VRI,VMC,*11.18**
 1.9" 12x50 F,S,R=F

STOCK23 **Cam** **Open Cluster II 3 P N**
 1.9" 12x50 B,PL,LOOSE,R=F

TER 3 **Sco** **Globular**
 1.9" 12x50 B,PL,LOOSE,RESOLVESTARS,R=G

Observations Listing by Date

November 25, 2006 Hidden Hollow - RAS

IC	443	Gem		Nebula E	
	8"	11mmT6	F,EL,R=F		
IC	2157	Gem		Open Cluster 12.0 II 1 p	
	8"	11mmT6	F,S,LOSE GROUPING,R=F		
IC	2172	Mon		Non-Existent	
	8"	11mmT6	F,S,R-F		
NGC	2236	Mon	H5-7	Open Cluster 12.0 II 2 m	CL,PRI,PC,*10,12..15
	8"	11mmT6	CB,CL,LOOSE,R=F		
NGC	2250	Mon		Open Cluster 8.7 IV 2 p	CL,PRI,LC,IF,*812.14
	8"	11mmT6	B,L,LOOSE,R=F		
NGC	2254	Mon	H22-7	Open Cluster 12.0 I 1 m	CL,S,PC,IF,*11...13
	8"	11mmT6	VF,PS,LOOSE,R=F		
NGC	2259	Mon	H28-6	Open Cluster 14.0 II 1 p n	CL,CRI,EC,IF,ST ES
	8"	11mmT6	CB,S,LOSE,R=F		
NGC	2262	Mon	H37-7	Open Cluster II 1 m	CL,VC,IR,BM,ST ES
	8"	11mmT6	F,PS,R=F		
NGC	2269	Mon	H3-6	Open Cluster 10.0 II 1 p	CL,VMC,NOT RI,ST VS
	8"	11mmT6	F,PS,R=F		
NGC	2282	Mon		Nebula R	*10IN F,R,NEBY
	8"	11mmT6	F,S,R=F,SOMENEKULA		
NGC	2309	Mon	H18-6	Open Cluster 13.0 I 2 m	CL,PL,PRI,MC,ST13
	8"	11mmT6	F,PS,R=F,COMPRESSED		
NGC	2324	Mon	H38-7	Open Cluster 12.0 II 2 r	CL,L,RI,CC,ST12...16
	8"	11mmT6	F,SMALL-COMPRESSED,R=G		
NGC	2331	Gem	H40-8	Open Cluster 9.0 IV 2 m	CL,L,VLC,S CL INV
	8"	11mmT6	F,LOOSE GROUP,R=F		
NGC	2342	Gem		Galaxy S pec	PF,S,LE,VLBM
	8"	11mmT6	VF,S,R,NND,AV,R=F		
NGC	2368	Mon		Open Cluster IV 1 p	CL,S,PRI,ST15
	8"	11mmT6	F,S,LOOSER,R=F		
NGC	2368	Mon		Open Cluster IV 1 p	CL,S,PRI,ST15
	8"	11mmT6	F,S,LOOSER,R=F		

Observations Listing by Date

November 24, 2006 Hidden Hollow - RAS

IC	171	Tri	Galaxy E?	
	31"	20mmUW	B,CS,OVAL,FNUC,R=F	
IC	347	Eri	Galaxy SAB(r)0^:	
	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F	
IC	1718	Tri	Galaxy Compact	
	31"	20mmUW	PF,S,R,NND,R=F	
IC	1727	Tri	Galaxy SB(s)m	
	31"	20mmUW	PF,CL,EON,NND,R=F	
IC	1898	Eri	Galaxy SB(s)c: sp	
	8"	11mmT6	VF,S,EON,NND,AV,R=F	
IC	1953	Eri	Galaxy SB(rs)d	
	8"	11mmT6	VF,S,OVAL,NND,AV,R=F	
MAC	0135+3417	Tri	Galaxy	
	31"	20mmUW	VF,VS,OVAL,NND,R=F	
MAC	0137+3309	Tri	Galaxy	
	31"	20mmUW	VF,VS,R,NND,R=F	
MAC	0147+3523	Tri	Galaxy	
	31"	20mmUW	VF,PS,OVAL,NND,R=F	
NGC	608	Tri	Galaxy S?	VF,PSBM,STELLAR
	31"	20mmUW	B,S,OVAL,NND,R=G	
NGC	614	Tri	H174-3 Galaxy S0?	PF,PSBM,STELLAR
	31"	20mmUW	PB,O,R,FNUC,R=G	
NGC	621	Tri	Galaxy SB0	VF,ES,R,BMN
	31"	20mmUW	PB,L,R,NND,R=F	
NGC	634	Tri	Galaxy Sa	EF,ES,SEVF*INV
	31"	20mmUW	CB,CL,OVAL,FNUC,USB,R=G	
NGC	661	Tri	H610-2 Galaxy E+:	F,S,R,BM,R
	31"	20mmUW	VB,CL,OVAL,BNUC,R=G	
NGC	666	Tri	Galaxy S?	VF*IN EF,ES NEBY
	31"	20mmUW	PB,CL,OVAL,FNUC,R=G	
NGC	669	Tri	Galaxy Sab	PF,PL,ME,GBM
	31"	20mmUW	PB,L,EON,B,FNUC,R=G	
NGC	670	Tri	H611-2 Galaxy SA0	F,S,LE
	31"	20mmUW	PB,CL,EON,FNUC,R=G	
NGC	672	Tri	H157-1 Galaxy SB(s)cd	F,PL,ME80
	31"	20mmUW	B,PL,EON,UB,NND,R=F	
NGC	684	Tri	H612-2 Galaxy Sb sp	F,VLE,*13F100"
	31"	20mmUW	CB,CL,EON,UB,FNUC,R=G	

Observations Listing by Date

November 24, 2006 Hidden Hollow - RAS

NGC 688 31"	Tri 20mmUW PF,PL,OVAL,UB,NND,R=F	Galaxy (R')SAB(rs)b	VF,VS,(RESOLVABLE)
NGC 733 31"	Tri 20mmUW VF,VS,OVAL,NND,AV,R=F	Galaxy	VF,2'P736
NGC 735 31"	Tri 20mmUW PF,PS,OVAL,NND,R=F	H176-3 Galaxy Sb	EEF,STELLAR
NGC 736 31"	Tri 20mmUW CB,CL,OVAL,FNUC,R=G	H221-2 Galaxy E+:	PB,R,BM
NGC 738 31"	Tri 20mmUW CF,CS,OVAL,NND,R=F	Galaxy S0	NEB,75"NF 736
NGC 739 31"	Tri 20mmUW B,CS,VAL,UB,NND,R=F	Galaxy S0?	CF,VS,R,INTRI OF*
NGC 740 31"	Tri 20mmUW B,PL,EON,UB,NND,R=F	H221-2 Galaxy SBb?	F,L,CE
NGC 761 31"	Tri 20mmUW PB,PS,ELOVAL,UB,NND,R=F	Galaxy SBa:	PF,CL,4F* NR
NGC 1779 8"	Eri 11mmT6 PF,PS,OVAL,NND,AV,R=F	H500-3 Galaxy (R')SAB(r)0/a?	PB,S,R,GPMBM
PGC 5873 31"	Tri 20mmUW PF,PS,OVAL,NND,R=F	Galaxy S	
PGC 5883 31"	Tri 20mmUW PF,S,OVAL,NND,R=F	Galaxy	
PGC 5904 31"	Tri 20mmUW PF,L,R,NND,R=F	Galaxy SABdm:	

November 23, 2006 Home

IC 1995 8"	Tau 19mmW F,PS,DIM PATCH,R=F	Non-Existent	
NGC 1554 8"	Tau 19mmW F,PS,DIM PATCH,R=F	Nebula R	VAR,S,R,NN=*13

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IC	468	CMa	Nebula E	
	8"	11mmT6	F,L,IRREGULARSHAPE,R=F	
NGC	1730	Lep	Galaxy SB(r)a	F,PS,LE,BET2F*
	8"	11mmT6	PF,S,OVAL,NND,R=F	
NGC	1738	Lep	Galaxy SB(s)bc pec:	VF,S,E45
	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F	
NGC	1744	Lep	Galaxy SB(s)d	F,VL,VME,VGV LBM
	8"	11mmT6	DIFF,F,PL,OVAL,NND,R=F	
NGC	1784	Lep	Galaxy SB(r)c	PB,PL,VLE,VGBM,AM ST
	8"	11mmT6	PF,L,OVAL,NND,AV,R=F	
NGC	1808	Col	Galaxy (R)SAB(s)a	B,L,E,PSBM
	8"	11mmT6	F,L,OVAL,NND,R=F	
NGC	1832	Lep	H292-2 Galaxy SB(r)bc	PB,IR,MBM,C*N F1'
	8"	11mmT6	VF,PL,OVAL,NND,AV,R=F	
NGC	1888	Lep	H289-2 Galaxy SB(s)c pec	PB,PL,R,R
	8"	11mmT6	PF,S,EL,OVAL,R=F	
NGC	1954	Lep	H590-3 Galaxy SA(rs)bc pec:	VF,S,R,SMBM
	8"	11mmT6	PF,S,OVAL,NND,AV,R=F	
NGC	1979	Lep	H240-3 Galaxy SA0:	VF,VS,STELLAR
	8"	11mmT6	VF,PS,OVAL,NND,AV,R=F	
NGC	2022	Ori	H34-4 Planetary Neb 4+2	PLN,PB,VS,VLE
	8"	11mmT6	PF,S,R=F	
NGC	2024	Ori	H28-5 Nebula E	IRR,B,VVL,BLACKSPINC
	8"	11mmT6	B,L,R=G,STARSGLOW,IRREGULARSHAPE	
NGC	2073	Lep	H241-3 Galaxy SA(rs)0-:	EF,VS,R,GBM
	8"	11mmT6	VF,VS,R,NND,AV,R=F	
NGC	2106	Lep	Galaxy SB(s)0^	VF,S,VLE,GBM
	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F	
NGC	2124	Lep	H225-3 Galaxy SA(s)b?	EEF,PS,E,R
	8"	11mmT6	VF,CS,EON,NND,R=F	
NGC	2139	Lep	H264-2 Galaxy SAB(rs)cd	F,S
	8"	11mmT6	VF,PS,OVAL,NND,R=F	
NGC	2179	Lep	Galaxy SA(s)0/a	F,PS,VME,GLBM
	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F	
NGC	2196	Lep	H265-2 Galaxy (R')SA(s)a	PF,PS,VLE,PMBM,ST NR
	8"	11mmT6	VF,PS,OVAL,NND,AV,R=F	
NGC	2293	CMa	Galaxy SAB(s)0+ pec	PB,R,GBM,DWI92,AM ST
	8"	11mmT6	VF,VS,OVAL,AV,R=G	

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NGC	2452	Pup	Planetary Neb 4+3	PLN,F,S,LE,AM60*
	8"	11mmT6 PF,PS,R=F		

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B	33	Ori	Nebula Ir	
	8"	11mmT6	VF,L,AV,JUST A HINT OF THE HORSEHEAD	
IC	284	Per	Galaxy SAdm	
	8"	11mmT6	VF,S,OVAL,NND,AV,R=F	
IC	410	Aur	Nebula E	DIF, MANY ST INV
	8"	11mmT6	PB,L,IRREGULARSHAPE,R=G	
IC	431	Ori	Nebula R	
	8"	11mmT6	PF,S,R=F	
IC	432	Ori	Nebula R	
	8"	11mmT6	F,L,R=F	
IC	434	Ori	Nebula E	
	8"	11mmT6	PF,VL,R=F	
IC	2120	Aur	Planetary Neb Planetary?	5 18.2 +37 36
	8"	11mmT6	VF,VS,AV,R=F	
NGC	246	Psc	H25-5	Planetary Neb 3b
	8"	11mmT6	F,L,R,R=G	VF,L,4*IN DIF NEB
NGC	247	Cet	H20-5	Galaxy SAB(s)d
	8"	19mmW	F,L,EON,NND,R=F	F,EL,VME172
NGC	253	Scl	H1-5	Galaxy SAB(s)c
	8"	11mmT6	B,PL,EON,NND,R=G	VVB,VVL,VME54,GBM
NGC	488	Psc	H252-3	Galaxy SA(r)b
	8"	11mmT6	B,L,OVAL,FNUC,R=F	PB,L,R,SVMBM,*8F10'
NGC	524	Psc	H151-1	Galaxy SA(rs)0+
	8"	11mmT6	PF,S,R,NND,R=F	VB,PL,MBM,4S*NR
NGC	584	Cet	H100-1	Galaxy E4
	8"	11mmT6	B,PS,OVAL,FNUC,R=G	VB,PL,R,MBM,P OF 2
NGC	596	Cet	H4-2	Galaxy E+ pec:
	8"	11mmT6	F,PS,OVAL,FNUC,R=G	PB,R,BM,R,*6F12'
NGC	600	Cet	H432-3	Galaxy (R')SB(rs)d
	8"	11mmT6	F,S,R,NND,R=F	EEF
NGC	615	Cet	H282-2	Galaxy SA(rs)b
	8"	11mmT6	VF,VS,OVAL,NND,R=F	PB,PL,ILE,GBM,*8NP10
NGC	680	Ari	H229-2	Galaxy E+ pec:
	8"	11mmT6	PF,S,OVAL,NND,R=F	PB,S,IR,MBM,F OF 2
NGC	720	Cet	H105-1	Galaxy E5
	8"	11mmT6	B,PS,OVAL,NND,R=F	CB,PL,LE,PSMBM
NGC	779	Cet	H101-1	Galaxy SAB(r)b
	8"	11mmT6	F,L,EON,NND,R=F	CB,L,ME162,MBM

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NGC	818	And	H604-2	Galaxy SABc:	PB,CL,LE,MBM
	8"	11mmT6	VF,S,OVAL,NND,AV,R=F		
NGC	828	And	H605-2	Galaxy Sa: pec	PB,S,IR,D*F15S
	8"	11mmT6	VF,S,OVAL,NND,AV,R=F		
NGC	841	And		Galaxy (R')SAB(s)ab	PB,VS,MBMN=*13,14
	8"	11mmT6	VF,L,OVAL,NND,AV,R=F		
NGC	877	Ari	H246-2	Galaxy SAB(rs)bc	PF,PL,LE,PGBM,
	8"	11mmT6	PF,L,OVAL,NND,R=F		
NGC	908	Cet	H153-1	Galaxy SA(s)c	CB,VL,E
	8"	11mmT6	PF,L,OVAL,NND,R=F		
NGC	936	Cet	H23-4	Galaxy SB(rs)0+	VB,VL,R,MBMN,P OF 2
	8"	11mmT6	B,LOVAL,NND,R=F		
NGC	941	Cet	H261-3	Galaxy SAB(rs)c	VF,CL,R,F OF 2
	8"	11mmT6	VF,S,OVAL,NND,V,R=F		
NGC	972	Ari	H211-2	Galaxy Sab	PB,CL,LE,GMBM,3*S
	8"	11mmT6	VF,L,OVAL,NND,R=F		
NGC	976	Ari		Galaxy SA(rs)c:	VF,VS,4F * NR
	8"	11mmT6	VF,S,OVAL,NND,AV,R=F		
NGC	1022	Cet	H102-1	Galaxy (R')SB(s)a	CB,PL,R,MBM,*11NF 2'
	8"	11mmT6	PF,L,OVAL,NND,R=F		
NGC	1052	Cet	H63-1	Galaxy E4	B,PL,R,MBM*12
	8"	11mmT6	B,L,R,FNUC,R=G		
NGC	1055	Cet	H1-1	Galaxy SBb: sp	PF,CL,IE80,BM,*11N1'
	8"	11mmT6	PF,S,OVAL,NND,R=F		
NGC	1097	For	H48-5	Galaxy SB(s)b	VB,L,VME151,VBMN
	8"	11mmT6	F,L,OVAL,FNUC,R=F		
NGC	1342	Per	H88-8	Open Cluster 8.0 III 2 m	CL,VL,AB60*
	8"	11mmT6	B,L,LOOSE,30+STARS,R=G		
NGC	1407	Eri	H107-1	Galaxy E0	VB,L,R,SVMBMN
	8"	11mmT6	PF,L,R,NND,R=G		
NGC	1444	Per	H80-8	Open Cluster 6.8 IV 1 p	CL OF AB30*12...14
	8"	11mmT6	F,PS,COMPRESSED,R=F		
NGC	1513	Per	H60-7	Open Cluster 11.0 II 1 m	CL,L,VRI,PC,ST VL
	8"	11mmT6	F,L,COMPRESSED,R=F		
NGC	1528	Per	H61-7	Open Cluster 10.0 II 2 m	CL,B,VRI,CC
	8"	11mmT6	PB,PL,LOOSE GROUP,R=G		
NGC	1535	Eri	H26-4	Planetary Neb 4+2c	PLN,VB,S,R,PS,VSBM,R
	8"	11mmT6	B,PS,R, NO CENTRAL STAR,R=F		

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NGC	1545	Per	H85-8	Open Cluster 9.0 IV 2 p	CL,PRI,LC,ST L
	8"	11mmT6	B,L,VERY LOOSE,R=F		
NGC	1729	Ori	H503-3	Galaxy SA(s)c	VF,PL,2B*V NR
	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC	1788	Ori	H32-5	Nebula R	B,CL,R,BM,***15,*1'F
	8"	11mmT6	F,S,S,R=F, BRIGHTER THAN SOME.		
NGC	1843	Ori		Galaxy SAB(s)cd:	F,S,R,LBM
	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC	1924	Ori	H447-3	Galaxy SB(r)bc	VF,PL,IR,ST NR
	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC	1975	Ori		Nebula E	B**INV IN NEB
	8"	11mmT6	B,L,R=G, STARS GLOW		
NGC	1985	Aur	H865-3	Nebula R	CF,S,R,PSBM
	8"	11mmT6	F,S,R=P		
NGC	2023	Ori	H24-4	Nebula R+E	B*IN M OF L,LE NEB
	8"	11mmT6	PF,S,R=F		
NGC	2071	Ori	H36-4	Nebula R	D*10\$14 W/VF,L CHEV
	8"	11mmT6	PF,PS,R=F		
NGC	2112	Ori	H24-7	Open Cluster 10.0 II 2 m n	CL,PL,LRI,PC,ST S
	8"	11mmT6	F,S,LOOSER,R=F		
NGC	2141	Ori		Open Cluster 15.0 I 2 r	F,PS,DIF,
	8"	11mmT6	F,S,LOOSER,R=F		
NGC	2372	Gem	H317-2	Non-Existent	PB,S,R,BMN,F OF DNEB
	8"	11mmT6	B,S,OVAL,R=F		
NGC	7218	Aqr	H897-2	Galaxy SB(rs)cd	PB,LE,R
	8"	19mmW	PF,PS,OVAL,NND,R=F		
NGC	7662	And	H18-4	Planetary Neb 4+3	PLN ORRING,VB,PS,R
	8"	11mmT6	VB,PS,OVAL, NO CENTRAL STAR,R=G		
NGC	7673	Peg		Galaxy (R')SAc? pec	F,S,R
	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC	7798	Peg	H232-2	Galaxy S	PF,S,R,SBM,*10SP
	8"	11mmT6	VF,PS,OVAL,AV,R=F		

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CR	399	Vul		Open Cluster III3m	
	1.9"	12x50	B,L,NO COMPRESSION,R=G		
NGC	6940	Vul	H8-7	Open Cluster 11.0 III 2 r	CL,VB,VL,VRI,CC,STPL
	1.9"	12x50	F,S,LOOSER,R=F		

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CR	39	Per	Open Cluster III3m	
	8"	19mmW	VL,NO COMPRESSION,R=F	
NGC	129	Cas	H79-8	Open Cluster 11.0 III 2 m
	8"	19mmW	20+, LOOSE, SOME NEB. R=F	CL,VL,PR,LC,*9...13
NGC	457	Cas	H42-7	Open Cluster 8.6 II 3 r
	8"	19mmW	30+,CROSS SHAPED,R=F	CL,B,L,PRI,*7,8,10
NGC	663	Cas	H31-6	Open Cluster 9.0 II 3 r
	8"	19mmW	LOOSE, CLUSTERED SOUTHERN HALF,R=F	CL,B,L,ERI,ST PL
NGC	1647	Tau	H8-8	Open Cluster 9.0 II 2 r
	8"	19mmW	F,L,R=F	CL,VL,ST L,SC
NGC	1807	Tau		Open Cluster 9.0 II 2 p
	8"	19mmW	F.S.COMPRESSED,R=F	CL,PRI,ST L\$\$
NGC	1817	Tau	H4-7	Open Cluster 9.0 IV 2 r
	8"	19mmW	F,PS,R=F	CL,L,RI,LC,ST11...14
NGC	2281	Aur	H71-8	Open Cluster 8.0 I 3 m
	8"	19mmW	F,PS,R=F	CL,PRI,VLC,ST PL
NGC	7160	Cep	H67-8	Open Cluster 7.0 I 3 p
	8"	19mmW	VS, COMPRESSED,R=F	CL,P,VLC
NGC	7209	Lac	H53-7	Open Cluster 9.0 III 1 m
	8"	19mmW	LARGE AND LOOSE,R=F	CL,L,CRI,PC,ST9...12
NGC	7243	Lac	H75-8	Open Cluster 8.0 II 2 m
	8"	19mmW	TIGHTER,HINT OF NEB.,R=F	CL,L,P,LC,ST VL
NGC	7789	Cas	H30-6	Open Cluster 10.0 II 2 r
	8"	19mmW	15+,PF,R=F	CL,VL,VRI,VMC,*11.18
STOCK23		Cam		Open Cluster II 3 P N
	8"	19mmW	6+ BRIGHT, OTHERS DIM, PS,R=F	
TER	3	Sco		Globular
	8"	19mmW	12+,FAINT,R=F	

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IC	239	And		Galaxy SAB(rs)cd	
	8"	19mmW	PF,PS,OVAL,NND,R=F		
M	45	Tau	M45	Open Cluster	
	1.9"	12x50	VB,VL,LOOSE CLUSTER,R,R=G		
MEL	25	Tau		Open Cluster	
	8"	19mmW	B,L,LOOSE,R,R=G		
NGC	221	And	M32	Galaxy cE2	VVB,L,R,PSMBMN
	8"	19mmW	F,VS,OVAL,UB,NND,R=G		
NGC	224	And	M31	Galaxy SA(s)b	EEB,EL,VME,ANDROMEDA 17
	8"	19mmW	VB,VL,OVAL,MBNUC,VHISB,R=E		
NGC	628	Psc	M74	Galaxy SA(s)c	GCL,F,VL,R,VG,PSMBM
	1.9"	12x50	B,CS,OVAL,FNUC,R=G		
NGC	752	And	H32-7	Open Cluster 8.0 II 2 r	CL,VVL,RI,*L\$SC
	8"	19mmW	50+STARS,R,R=G		
NGC	869	Per	H33-6	Open Cluster 6.6 I 3 r	CL,VVL,VRI,*7...14
	8"	19mmW	B,L,LOOSE,R,R=G		
NGC	884	Per	H34-6	Open Cluster 6.4 I 3 r	CL,VL,VRI,RUBY*M
	8"	19mmW	B,L,COMPRESSED,R,R=G		
NGC	956	And		Open Cluster 9.0 IV 2 m	CL,PRI,*9...15
	8"	19mmW	F,S,COARSE,R,R=F		
NGC	1039	Per	M34	Open Cluster 9.0 II 3 r	CL,B,VL,LC,SC ST9
	1.9"	12x50	B,L,R,R=G		
NGC	1068	Cet	M77	Galaxy (R)SA(rs)b	VB,PL,IR,SBMRRN
	1.9"	12x50	PF,PS,OVA,NND,R=F		
NGC	1342	Per	H88-8	Open Cluster 8.0 III 2 m	CL,VL,AB60*
	8"	19mmW	B,COARSE CL, R,R=F		
NGC	1432	Tau		Nebula R	EF,VL,DIF, MAIA
	1.9"	12x50	B,L,R=G		
NGC	1912	Aur	M38	Open Cluster 8.0 II 2 r	CL,B,VL,VRI,IF,STL\$S
	8"	19mmW	B,PL,R,R=G		
NGC	1952	Tau	M1	Nebula E	VB,VL,E135,VGLBM,R
	1.9"	12x50	F,PS,R,R=F		
NGC	1960	Aur	M36	Open Cluster 9.0 I 3 r	CL,B,VL,VRI,CL,*9.11
	8"	19mmW	PB,PL,R,R=G		
NGC	2068	Ori	M78	Nebula R	B,L,WISP,GMBN,3*INV
	1.9"	12x50	F,S,R=F		
NGC	2099	Aur	M37	Open Cluster 11.0 I 2 r	CL,RI,PCM,ST L\$S
	8"	19mmW	CB,CL,R,R=G		

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NGC	6709	Aql	Open Cluster 9.0 IV 2 m	CL,PRI,LC,IF
	8"	19mmW	SMALLER, COMPRESSED,R=G	
NGC	7009	Aqr	H1-4 Planetary Neb 4+6	PLN,VB,S,ELLIPTIC
	8"	19mmW	F,VS,OVAL,R=F	
TER	2	Sco	Globular	
	8"	19mmW	PF,PS,LOOSE,R=F	

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IC	1487	Peg	Galaxy SB?
	31"	17mmT4	PF,PS,OVAL,NND,R=F
MAC	2323+1649	Peg	Galaxy
	31"	17mmT4	EF,ES,OVAL,NND,R=F
MAC	2323+1654	Peg	Galaxy
	31"	17mmT4	VF,CS,OVAL,NND,AV,R=F
MAC	2323+1656	Peg	Galaxy
	31"	17mmT4	CF,CS,OVAL,NND,R=F
MAC	2324+0929A	Peg	Galaxy
	31"	17mmT4	VF,VS,R,AV,R=F
MAC	2324+0931	Peg	Galaxy
	31"	17mmT4	VF,VS,OVAL,NND,R=F
MAC	2324+0932	Peg	Galaxy
	31"	17mmT4	VF,VS,R,NND,AV,R=F
MAC	2324+1357	Peg	Galaxy
	31"	17mmT4	VF,VS,OVAL,NND,AV,R=P
MAC	2324+1357A	Peg	Galaxy
	31"	17mmT4	VF,VS,OVAL,NND,R=F
MAC	2324+1358	Peg	Galaxy
	31"	17mmT4	VF,CS,OVAL,NND,R=F
MAC	2324+1359A	Peg	Galaxy
	31"	17mmT4	VF,CS,OVAL,NND,R=F
MAC	2324+1430C	Peg	Galaxy
	31"	17mmT4	CF,CS,OVAL,NND,R=F
MAC	2324+1437A	Peg	Galaxy
	31"	17mmT4	VF,VS,OVAL,NND,AV,R=F
MAC	2324+1438A	Peg	Galaxy
	31"	17mmT4	VF,CS,OVAL,NND,R=F
MAC	2324+1438B	Peg	Galaxy
	31"	17mmT4	PF,CS,OVAL,NND,R=F
MAC	2324+1439B	Peg	Galaxy
	31"	17mmT4	VF,VS,OVAL,NND,R=F
MAC	2324+1440C	Peg	Galaxy
	31"	17mmT4	VF,VS,R,NND,R=F
MAC	2324+1440B	Peg	Galaxy
	31"	17mmT4	VF,VS,OVAL,NND,R=F
MAC	2324+1647	Peg	Galaxy
	31"	17mmT4	PF,PS,OVAL,FNUC,R=G

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NGC 7644 31"	Peg 17mmT4	Galaxy CF,CS,EON,NND,R=F	VF,PS,LE
NGC 7647 31"	Peg 17mmT4	H473-3 Galaxy E CF,CS,OVAL,NND,R=F	EF,(CL),P A ROWOF ST
NGC 7649 31"	Peg 17mmT4	Galaxy E B,L,OVAL,NND,R=G	VF,PL,R
NGC 7651 31"	Peg 17mmT4	Galaxy cD PF,L,OVAL,NND,R=F	EF,S,R
NGC 7653 31"	Peg 17mmT4	Galaxy Sb PB,L,R,FNUC,MHISB,R=G	VF,PS,R,GBM
PGC 10044 31"	Ari 17mmT4	Galaxy IB(s)m pec PF,PS,OVAL,NND,R=F	
PGC 10046 31"	Ari 17mmT4	Galaxy SB0/a: sp PB,S,EON,FNUC,R=G	
PGC 71299 31"	Peg 17mmT4	Galaxy CF,CS,OVAL,NND,R=F	
PGC 71315 31"	Peg 17mmT4	Galaxy CF,CS,R,NND,AV,R=F	
PGC 71317 31"	Peg 17mmT4	Galaxy VF,VS,OVAL,NND,R=F	
PGC 71319 31"	Peg 17mmT4	Galaxy F,CS,OVAL,NND,R=F	
PGC 71320 31"	Peg 17mmT4	Galaxy VF,CS,OVAL,NND,AV,R=F	
PGC 71322 31"	Peg 17mmT4	Galaxy EF,ES,R,NND,AV,R=F	
PGC 71323 31"	Peg 17mmT4	Galaxy Sc PF,PS,OVAL,NND,R=F	
PGC 71324 31"	Peg 17mmT4	Galaxy CF,PS,OVAL,FNUC,R=F	
PGC 71326 31"	Peg 17mmT4	Galaxy VF,PS,R,NND,AV,R=F	
PGC 71327 31"	Peg 17mmT4	Galaxy E EF,ES,R,AV,R=F	
PGC 71330 31"	Peg 17mmT4	Galaxy VF,CS,OVAL,NND,AV,R=F	
PGC 71331 31"	Peg 17mmT4	Galaxy VF,PS,R,NND,R=F	

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PGC	71332	Peg		Galaxy
	31"	17mmT4	PF,CS,OVAL,NND,R=F	
PGC	71337	Peg		Galaxy
	31"	17mmT4	VF,PS,R,NND,R=F	
PGC	71342	Peg		Galaxy
	31"	17mmT4	CF,PS,R,NND,R=F	
PGC	71355	Peg		Galaxy SB?
	31"	17mmT4	CF,L,OVAL,PATCHY,NND,R=F	
PGC	71359	Peg		Galaxy SBab
	31"	17mmT4	PF,L,OVALNND,R=F	
PGC	71371	Peg		Galaxy L
	31"	17mmT4	PF,PS,OVAL,NND,R=F	
PGC	71374	Peg		Galaxy
	31"	17mmT4	PF,PS,OVAL,NND,R=F	
PGC	71386	Peg		Galaxy S0/a
	31"	17mmT4	PB,PS,EON,FNUC,MHISB,R=G	
PGC	71398	Peg		Galaxy
	31"	17mmT4	PF,L,R,NND,R=F	

October 21, 2006 Hidden Hollow - RAS

MAC	2238+2340	Peg		Galaxy	
	31"	20mmUW	VF,VS,R,NNUC,AV,R=F		
NGC	7006	Del	H52-1	Globular	B,PL,R,GBM
	31"	20mmUW	FB,L,STELLAR, RESOLVE OUTERMOST STARS.		
NGC	7078	Peg	M15	Globular	GCL,VB,VL,IR,VSMBM
	31"	20mmUW	VB,VL,STELLAR,RESOLVABLE, F.L. 2, 20MM		
NGC	7089	Aqr	M2	Globular	GCL,B,VL,GPMBM,RRR
	31"	20mmUW	VB,FL,STELLAR, RESOLVABLE		
NGC	7332	Peg	H233-2	Galaxy S0 pec sp	CB,S,ME156,SMBMN,P-2
	31"	20mmUW	VB,PL,EON,VBNUC,R=G,PAIR W/N7339		
NGC	7339	Peg	H234-2	Galaxy SAB(s)bc:?	F,PS,ME89,VGLBM,FOF2
	31"	20mmUW	PB,PL,EON,NNUC,,R=G,PAIR W/N7332		

Observations Listing by Date

October 15, 2006 Hidden Hollow - RAS

IC	5285	Peg		Galaxy S?	
	31"	19mmW	PB,PL,OVAL,FNUC,R=G		
MAC	2307+2813	Peg		Galaxy	
	31"	19mmW	VF,VS,EL,OVAL,NND,AV,R=F		
MAC	2307+3356	Peg		Galaxy	
	31"	19mmW	VF,VS,OVAL,NND,R=F		
NGC	7439	Peg		Galaxy SB0	LONG PATCH OF F NEBY
	31"	19mmW	VF,PS,R,NND,R=F		
NGC	7442	Peg		Galaxy SAc:	PF,R,BET2*16,*13NF
	31"	19mmW	VF,L,R,NND,R=F		
NGC	7451	Peg		Galaxy SBbc	PF,PL,*10,11SP2'
	31"	19mmW	VF,CS,EON,NND,AV,R=F		
NGC	7457	Peg	H212-2	Galaxy SA(rs)0-?	CB,CL,LE,GMBM,R,2S*N
	31"	19mmW	F,L,OVAL,NND,R=F		
NGC	7461	Peg		Galaxy SB0	VF,VS,ALMSTELLAR
	31"	19mmW	VF,CS,R,NND,AV,R=F		
NGC	7463	Peg	H210-3	Galaxy SABb: pec	VF,S,LE,P OF 2
	31"	19mmW	PF,PL,EON,NND,R=F		
NGC	7464	Peg		Galaxy E1 pec:	VF,VS,E,SF7463
	31"	19mmW	PF,CS,R,NND,R=F		
NGC	7465	Peg	H211-3	Galaxy (R')SB(s)0^:	VF,VS,FOF 2
	31"	19mmW	B,PL,OVAL,FNUC,R=G		
NGC	7466	Peg		Galaxy Sb	EF,ES,BM
	31"	19mmW	B,PL,EON,FNUC,R=G		
NGC	7467	Peg		Galaxy E/S0	EF,VS
	31"	19mmW	VF,CS,R,NND,AV,R=F		
NGC	7468	Peg	H202-3	Galaxy E3: pec	EF,VS
	31"	19mmW	PB,L,EL,OVAL,FNUC,R=G		
NGC	7473	Peg		Galaxy SB0	VF,S,R
	31"	19mmW	PB,CL,EL,OVAL,NND,R=F		
NGC	7474	Peg		Galaxy L	EF,VS
	31"	19mmW	CF,PS,R,NND,AV,R=F		
NGC	7475	Peg		Galaxy Double System	VF,S
	31"	19mmW	CF,PS,OVAL,NND,AV,R=F		
NGC	7485	Peg		Galaxy S0	VF,S,R,BM,*10P
	31"	19mmW	VB,L,OVAL,FNUC,R=G		
NGC	7487	Peg		Galaxy Compact	VF,S,R
	31"	19mmW	VF,VS,R,NND,R=F		

Observations Listing by Date

October 15, 2006 Hidden Hollow - RAS

NGC 7489 31"	Peg 19mmW	PF,L,OVAL,NND,R=F	Galaxy Sd	F,S,R
NGC 7495 31"	Peg 19mmW	VF,PS,R,NND,AV,R=F	Galaxy SAB(s)c	EF,S,LE,*9NF NR
NGC 7500 31"	Peg 19mmW	B,CL,OVAL,NND,R=F	Galaxy S0	EF,VS,R
NGC 7505 31"	Peg 19mmW	CF,CS,EON,NND,R=F	Galaxy	EEF,ES,LE,BET B*\$2F*
NGC 7508 31"	Peg 19mmW	CF,CS,EON,NND,R=F	Galaxy S	EF,BM*,*11NP2'
NGC 7509 31"	Peg 19mmW	PF,S,R,NND,R=F	Galaxy C	VF,S,R,BET2*
NGC 7511 31"	Peg 19mmW	PB,S,OVAL,FNUC,R=G	Galaxy S?	EEF,S,R,SEV*NF,
NGC 7516 31"	Peg 19mmW	PF,PS,OVAL,NND,R=F	Galaxy S0	F,VS,STELLAR
NGC 7519 31"	Peg 19mmW	VF,PS,OVAL,NND,AV,R=F	Galaxy Sb:	VF,PL
PGC 70174 31"	Peg 19mmW	VF,VS,OVAL,NND,AV,R=F	Galaxy S	
PGC 70211 31"	Peg 19mmW	CF,CS,R,NND,AV,R=F	Galaxy SB	
PGC 70254 31"	Peg 19mmW	PF,PS,EON,NND,R=F	Galaxy S0/a	
PGC 70269 31"	Peg 19mmW	PF,PS,R,NND,R=F	Galaxy	
PGC 70275 31"	Peg 19mmW	PF,PS,EL,OVAL,NND,R=F	Galaxy S?	
PGC 70326 31"	Peg 19mmW	VF,VS,OVAL,NND,R=F	Galaxy S0/a	
PGC 70374 31"	Peg 19mmW	VF,CS,OVAL,NND,R=F	Galaxy SB0	
PGC 70403 31"	Peg 19mmW	VF,VS,OVAL,NND,R=F	Galaxy S	
PGC 70404 31"	Peg 19mmW	VF,PS,OVAL,NND,AV,R=F	Galaxy S	
PGC 70445 31"	Peg 19mmW	VF,PS,OVAL,NND,AV,R=F	Galaxy S?	

Observations Listing by Date

October 15, 2006 Hidden Hollow - RAS

PGC 70463 Peg Galaxy Sb-c
31" 19mmW CF,CS,EON,NND,R=F

PGC 70537 Peg Galaxy SBb/Sb
31" 19mmW VF,PS,OVAL,NND,AV,R=F

October 13, 2006 Home

CR 463 Cas Galaxy III2m
1.9" 12x50 B,S,R=F

NGC 869 Per H33-6 Open Cluster 6.6 I 3 r CL,VVL,VRI,*7...14
1.9" 12x50 PB,PL,R=G

NGC 884 Per H34-6 Open Cluster 6.4 I 3 r CL,VL,VRI,RUBY*M
1.9" 12x50 PB,PL,R=G

NGC 6826 Cyg H73-4 Planetary Neb 3a+2 PLN,B,PL,R,*11M
8" 19mmW VF,PS,R=F

NGC 6871 Cyg Open Cluster 6.8 II 2 p n CL,ST L\$\$,D*INV
8" 19mmW B,L,R=F

STOCK2 Cas Open Cluster I 2 m
1.9" 12x50 B,PL,R=F

Observations Listing by Date

October 8, 2006 Home

IC	4665	Oph	Open Cluster 6.0	III 2 m	
	1.9"	12x50	B,PL,R=G, LOOSE GROUPING		
NGC	6520	Sgr	H7-7	Open Cluster 9.0	I 2 r n
	1.9"	12x50	PF,S,R=F		CL,PS,RI,LC,ST9...13
NGC	6633	Oph	H72-8	Open Cluster 8.0	III 2 m
	1.9"	12x50	N.F.:R=G, DENSER GROUP		CL,LC,ST L
NGC	6709	Aql		Open Cluster 9.0	IV 2 m
	1.9"	12x50	PF,PS,R=F, LOOSE GROUP		CL,PRI,LC,IF
NGC	6716	Sgr		Open Cluster 8.3	IV 1 p
	1.9"	12x50	F,S,R=F		CL,PRI,ST9...13
NGC	6720	Lyr	M57	Planetary Neb 4+3	
	1.9"	12x50	PB,S,R=G		RINGNEB,B,PL,CE,LYRA
NGC	6779	Lyr	M56	Globular	
	1.9"	12x50	F,S,R=F		GCL,B,L,IR,GVMCM,RRR
NGC	6819	Cyg		Open Cluster 11.0	I 1 r
	1.9"	12x50	N.S.R=F, TIGHTER GROUP		CL,VL,VRI,*11...15
NGC	6910	Cyg	H56-8	Open Cluster 9.6	I 3 m n
	1.9"	12x50	PF,PS,R=F		CL,PB,PS,P,PC,*20.12
NGC	6934	Del	H103-1	Globular	
	1.9"	12x50	F,S,R=F, SMALL SMUDGE.		GCL,B,L,R,RRR,*16...
NGC	6981	Aqr	M72	Globular	
	1.9"	12x50	VF,S,R=F		GCL,PB,PL,R,GMCM,RRR
NGC	6994	Aqr	M73	Open Cluster 11.1	IV 1 p
	1.9"	12x50	F,S,R=F		CL,EP,VLC,NO NEB
NGC	7063	Cyg		Open Cluster 8.9	III 1 p
	1.9"	12x50	F,S,R=F		CL,P,ST10...

October 2, 2006 Home

NGC	1907	Aur	H39-7	Open Cluster 11.0	I 1 m n
	1.9"	12x50	CB,CS,R=F.		CL,PRI,PC,R,ST9...12
NGC	1912	Aur	M38	Open Cluster 8.0	II 2 r
	1.9"	12x50	PB,S, R=G		CL,B,VL,VRI,IF,STL\$\$
NGC	1960	Aur	M36	Open Cluster 9.0	I 3 r
	1.9"	12x50	PB,S, R=G, SMALLEST OF THREE		CL,B,VL,VRI,CL,*9.11
NGC	2099	Aur	M37	Open Cluster 11.0	I 2 r
	1.9"	12x50	PB,L,R=G, LARGEST OF THREE		CL,RI,PCM,ST L\$\$
NGC	2168	Gem	M35	Open Cluster 8.0	III 3 r
	1.9"	12x50	VB,VL,R=E. VERY NICE CLUSTER.		CL,VL,CRI,PC,ST9..16

Observations Listing by Date

October 1, 2006**Home**

NGC 650 1.9"	Per 12x50	M76 H193-1 PF,PS,R,R=F	Planetary Neb 3+6	VB,P OF DNEB
NGC 869 1.9"	Per 12x50	H33-6 B,L,R=G, TIGHT GROUP	Open Cluster 6.6 I 3 r	CL,VVL,VRI,*7...14
NGC 884 1.9"	Per 12x50	H34-6 PB,PL,R=G, LITTLE LOOSER	Open Cluster 6.4 I 3 r	CL,VL,VRI,RUBY*M

Observations Listing by Date

September 25, 2006		Hidden Hollow - RAS	
IC	1320	Del	Galaxy SB(s)b?
	31"	19mmW	PF,S,OVAL,NND,R=F
IC	1359	Del	Galaxy S?
	31"	19mmW	FB,FS,EON,NND,R=G
IC	1380	Peg	Galaxy
	31"	19mmW	PF,VS,R,NND,R=F
IC	1394	Peg	Galaxy C
	31"	19mmW	F,S,R,NND,R=F
IC	1395	Peg	Galaxy C
	31"	19mmW	PF,PS,OVAL,NND,R=F
IC	1398	Peg	Galaxy Sc
	31"	19mmW	PF,PS,EL,OVAL,NND,R=F
IC	1399	Peg	Galaxy C
	31"	19mmW	PF,PS,R,NND,R=F
IC	1414	Peg	Galaxy CB
	31"	19mmW	F,L,R,NND,R=F
IC	1418	Peg	Galaxy S?
	31"	19mmW	VF,VS,R,NND,AV,R=F
IC	1420	Peg	Galaxy SB?
	31"	19mmW	B,PS,OVAL,NND,R=F
IC	1422	Peg	Galaxy
	31"	19mmW	VF,CS,R,NND,AV,R=F
IC	1423	Peg	Galaxy SBb
	31"	19mmW	CF,PS,OVAL,NND,R=F
IC	1425	Peg	Galaxy
	31"	19mmW	VF,PS,R,NND,R=F
IC	1427	Peg	Galaxy E
	31"	19mmW	PF,PS,OVAL,NND,AV,R=F
IC	1428	Peg	Galaxy
	31"	19mmW	VF,VS,OVAL,NND,AV,R=F
IC	1444	Peg	Galaxy
	31"	19mmW	VF,CS,R,NND,AV,R=F
IC	5080	Del	Galaxy
	31"	19mmW	PF,PS,R,NND,R=F
MAC	2033+0951	Del	Galaxy
	31"	19mmW	VF,VS,R,NND,AV,R=F
MAC	2102+1913	Del	Galaxy
	31"	19mmW	PF,VS,OVAL,NND,AV,R=F

Observations Listing by Date

September 25, 2006		Hidden Hollow - RAS			
MAC	2107+1802	Del		Galaxy	
	31"	19mmW	PF,PS,OVAL,NND,R=F		
NGC	6891	Del		Planetary Neb 2a+2b	PLN,STELLAR=9.5M
	31"	19mmW	PB,L,R,R=G		
NGC	6917	Del		Galaxy S	VF,S,ATT TO A S*
	31"	19mmW	F,L,OVAL,ND,R=F		
NGC	6927	Del		Galaxy S0: sp	EF,LE
	31"	19mmW	PF,S,OVAL,NND,R=F		
NGC	6927A	Del		Galaxy E6:	
	31"	19mmW	VF,S,OVAL,NND,AV,R=F		
NGC	6928	Del		Galaxy SB(s)ab	PB,PL,ME
	31"	19mmW	PB,PL,EON,FNUC,HISB.R=G		
NGC	6930	Del		Galaxy SB(s)ab? sp	F,ME
	31"	19mmW	PF,PS,OVAL,NND,R=F		
NGC	6944	Del		Galaxy S0-:	PF,S,R
	31"	19mmW	PB,,L,OVAL,NND,R=F		
NGC	6944A	Del		Galaxy SB(rs)d pec:	
	31"	19mmW	PF,PS,OVAL,NND,AV,R=F		
NGC	6954	Del		Galaxy SA0+?	F,S,VLE
	31"	19mmW	FB,FL,OVAL,ND,R=G		
NGC	6955	Del		Galaxy SAB(r)bc	EF,PL,R
	31"	19mmW	PF,L,R,NND,AV,R=F		
NGC	6956	Del	H219-3	Galaxy SBb	VF,S,STELL,**ATT
	31"	19mmW	PB,L,OVAL,NND,R=G		
NGC	6957	Del		Galaxy Scd?	VF,S,R
	31"	19mmW	VF,VS,R,NND,AV,R=F		
NGC	6969	Del		Galaxy Sa	F,PL,E
	31"	19mmW	PB,L,EON,NND,R=G		
NGC	6971	Del		Galaxy Sb	VF,S,R
	31"	19mmW	F,L,EL,OVAL,NND,R=F		
NGC	6972	Del		Galaxy S0/a	F,S,R
	31"	19mmW	B,L,EL,OVAL,FNUC,R=G		
NGC	6988	Del		Galaxy	EF,PL,R
	31"	19mmW	PF,PS,R,NND,R=F		
NGC	7003	Del		Galaxy Sbc	VF,VS,LE,*15CLOSE F
	31"	19mmW	F,L,OVAL,PATCHY,NND,R=F		
NGC	7025	Del		Galaxy Sa	VF,VS,R,STELL
	31"	19mmW	PB,L,OVAL,FNUC,PHISB,R=G		

Observations Listing by Date

September 25, 2006 Hidden Hollow - RAS

NGC	7148	Peg		Galaxy C	VF,VS,R
	31"	19mmW	PF,PS,R,NND,R=F		
NGC	7149	Peg		Galaxy E	VF,VS,R
	31"	19mmW	FB,L,EL,OVAL,NND,R=G		
PGC	65281	Del		Galaxy S?	
	31"	19mmW	PF,PS,OVAL,NND,AV,R=F		
PGC	65293	Del		Galaxy SB(r)a	
	31"	19mmW	PF,PS,OVAL,NND,AV,R=F		
PGC	65482	Del		Galaxy	
	31"	19mmW	PF,S,R,NND,R=F		
PGC	65971	Del		Galaxy	
	31"	19mmW	VF,VS,OVAL,NND,R=F		
PGC	66125	Del		Galaxy S R	
	31"	19mmW	VF,PS,R,NND,AV,R=F		
PGC	66139	Del		Galaxy	
	31"	19mmW	PF,PS,OVAL,NND,R=F		
PGC	66170	Del		Galaxy E	
	31"	19mmW	PB,FL,R,FNUC,R=G		
PGC	66176	Del		Galaxy S?	
	31"	19mmW	PB,FL,EL,OVAL,FNUC,MHISB,R=G		
PGC	66178	Del		Galaxy Scd:	
	31"	19mmW	VF,S,EON,NND,AV,R=F		
PGC	66966	Peg		Galaxy E	
	31"	19mmW	PF,VS,OVAL,NND,R=F		
PGC	67153	Peg		Galaxy S?	
	31"	19mmW	VF,VS,EON,NND,AV,R=F		
PGC	67741	Peg		Galaxy C	
	31"	19mmW	VF,VS,OVAL,NND,AV,R=F		
PGC	67762	Peg		Galaxy	
	31"	19mmW	VF,VS,R,NND,AV,R=F		
PGC	68664	Peg		Galaxy SBc	
	31"	19mmW	VF,CS,OVAL,NND,AV,R=F		

September 8, 2006 Home

NGC	1976	Ori	M42	Nebula EN+RN	THETAORI \$GREAT NEB
	1.9"	12x50	DFF,MB,PL PATCH OF NEB.,R=G		
NGC	1982	Ori	M43 H1-3	Nebula E	VB,VL,RW/TAIL,MBM*8
	1.9"	12x50	DFF,B,LPATCH OF NEB.,R=G		

Observations Listing by Date

September 7, 2006 Home

NGC 6205	Her	M13	Globular	GCL,EB,VRI,VGECM,*11
1.9"	12x50	DIFF,MB,L,R=G		
NGC 6341	Her	M92	Globular	GCL,VB,VL,ECM,ST S
1.9"	12x50	DIFF,PF,PS,R=F		

Observations Listing by Date

August 20, 2006		Hidden Hollow - RAS			
NGC	205	And	M110 H18-5	Galaxy E5 pec	VB,VL,ME165,VGVMBM
	1.9"	12x50	B,L,OVAL,UB,NND,R=G		
NGC	221	And	M32	Galaxy cE2	VVB,L,R,PSMBMN
	1.9"	12x50	B,S,OVAL,NND,R=F		
NGC	224	And	M31	Galaxy SA(s)b	EEB,EL,VME,ANDROMEDA 17
	1.9"	12x50	VB,VL,OVAL,BNUC,HISB,R=E!!		
NGC	581	Cas	M103	Open Cluster 9.0 II 2 m	CL,PL,B,R,RI,*10..11
	1.9"	12x50	PB,PL,R=G		
NGC	3031	UMa	M81	Galaxy SA(s)ab	EB,EL,E156,GSVMBMBN 2
	1.9"	12x50	PB,PL,OVAL,FNUC,HISB,R=G		
NGC	3034	UMa	M82 H79-4	Galaxy I0 sp	VB,VL,VME(RAY)
	1.9"	12x50	PB,L,OVAL,FNUC,R=G		
NGC	3556	UMa	M108 H46-5	Galaxy SB(s)cd sp	CB,VL,VME79,PBM,R
	1.9"	12x50	PF,PS,OVAL,NND,R=F		
NGC	3587	UMa	M97	Planetary Neb 3a	PLN,VB,VL,R,VVG,VSBM
	1.9"	12x50	PF,VS,AV,R=F		
NGC	5457	UMa	M101	Galaxy SAB(rs)cd	PB,VL,IR,G,VSMBMBSN 4
	1.9"	12x50	F,S,OVAL,NND,R=F		
NGC	6093	Sco	M80	Globular	GCL,VB,L,VMBM(VAR*)
	1.9"	12x50	PF,S,R=F		
NGC	6171	Oph	M107 H40-6	Globular	GCL,L,VRI,VMC,R,RRR
	1.9"	12x50	VF,PS,AV,R=F		
NGC	6256	Sco		Globular	GCL,VF,VL,IR,VGBM
	8"	7.5mmW	VF,VS,AV,R=F		
NGC	6380	Sco		Globular	EF,PS,LE,*9ATT
	8"	7.5mmW	VF,VS,R=F		
NGC	6507	Sgr	H53-8	Open Cluster 12.0 IV 3 m	CL,PS,LRI,LC
	8"	7.5mmW	PF,PS,R=F,STARS AT SW CORNER		
NGC	6637	Sgr	M69	Globular	GCL,B,L,R,RRR,*14.16
	1.9"	12x50	F,S,R=F		
NGC	6681	Sgr	M70	Globular	GCL,B,PL,R,GBM,
	1.9"	12x50	PF,S,R=F		
NGC	6838	Sge	M71	Globular	CL,VL,VRI,PMC,*11.16
	1.9"	12x50	F,L,R=F		
NGC	6934	Del	H103-1	Globular	GCL,B,L,R,RRR,*16...
	1.9"	12x50	B,L,R=G		
NGC	7078	Peg	M15	Globular	GCL,VB,VL,IR,VSMBM
	1.9"	12x50	B,S,R=F		

Observations Listing by Date

August 20, 2006 Hidden Hollow - RAS

NGC	7654	Cas	M52	Open Cluster 11.0 II 2 r	CL,L,RI,MCM,R,*9..13
	1.9"	12x50	B,L,R=G		
WINN	4	UMa	M40	Unknown STAR	
	1.9"	12x50	2-STARs		

Observations Listing by Date

August 16, 2006 Home

IC	4715	Sgr		Non-Existent	
	1.9"	12x50	B,PL,R=G		
NGC	5904	Ser	M5	Globular	GCL,VB,L,ECM,*11..15
	1.9"	12x50	B,S,R=G		
NGC	6266	Oph	M62	Globular	GCL,VB,L,GMBM,RRR,
	1.9"	12x50	B,S,R=F		
NGC	6273	Oph	M19	Globular	GCL,VB,L,R,VCM,RRR
	1.9"	12x50	F,S,R=F		
NGC	6333	Oph	M9	Globular	GCL,B,L,R,ECM,RRR,
	1.9"	12x50	PF,PS,R=F		
NGC	6366	Oph		Globular	F,L,VLBM
	1.9"	12x50	PF,PS,R=F		
NGC	6402	Oph	M14	Globular	GCL,B,VL,R,ERI,VGMBM
	1.9"	12x50	PF,PS,RF,BRIGHTER THAN 6366		
NGC	6405	Sco	M6	Open Cluster 5.5 II 3 r	CL,L,IR,LC,ST7,10...
	1.9"	12x50	VB,VL,R=G		
NGC	6475	Sco	M7	Open Cluster 7.0 I 3 r	CL,VB,PRI,LC,*7...12
	1.9"	12x50	VB,EL,R=E		
NGC	6494	Sgr	M23	Open Cluster 10.0 II 2 r	CL,B,VL,PRI,LC,*10..
	1.9"	12x50	B,PL,R=G, RESOLVE OUTER STARS		
NGC	6603	Sgr	M24	Open Cluster 14.0 I 2	CL,VRI,VMC,R,M WAY
	1.9"	12x50	B,PL,R=G		
NGC	6611	Ser	M16	Open Cluster 11.0 II 3 m n	CL,ATLEAST100* L\$\$
	1.9"	12x50	PB,PL,R=G		
NGC	6613	Sgr	M18	Open Cluster 8.7 II 3 p n	CL,P,VLC
	1.9"	12x50	B,L,R=F		
NGC	6618	Sgr	M17	Nebula EN+OC	B,EL,EIF,2HOOKED
	1.9"	12x50	PB,PL,R=F		
NGC	6626	Sgr	M28	Globular	GCL,VB,L,R,GECM,RRR
	1.9"	12x50	B,S,R=F		
NGC	6694	Sct	M26	Open Cluster 11.0 II 3 m	CL,CL,PRI,PC,ST12.15
	1.9"	12x50	PB,L,R=G		
NGC	6715	Sgr	M54	Globular	GCL,VB,L,R,G,SMBM,
	1.9"	12x50	PF,PS,R=F		
NGC	6809	Sgr	M55	Globular	GCL,PB,L,R,VRI,VGBM
	1.9"	12x50	PF,L,R=F		
NGC	6864	Sgr	M75	Globular	GCL,B,PL,R,VMBMBN,RR
	1.9"	12x50	PF,S,R=F		

Observations Listing by Date

August 16, 2006 Home

NGC 6913 1.9"	Cyg 12x50	M29 B,S,R=F	Open Cluster 9.0 II 3 m n	CL,P,LC,STL\$\$
NGC 7092 1.9"	Cyg 12x50	M39 B,S,R=F	Open Cluster 7.0 III 2 m	CL,VL,VP,VLC,*7...10
NGC 7099 1.9"	Cap 12x50	M30 PF,S,R=F	Globular	GCL,B,L,LE,GPMBM

August 12, 2006 Home

IC 4725 1.9"	Sgr 12x50	M25 B,L,R=G	Open Cluster 8.0 I 3 m	
NGC 6121 1.9"	Sco 12x50	M4 PF,VL,R,R=G	Globular	CL,8OR1OB*LINE,RRR
NGC 6218 1.9"	Oph 12x50	M12 PF,S,R,R=F	Globular	GCL,VB,VL,IR,GMBM
NGC 6254 1.9"	Oph 12x50	M10 PF,S,R,R=F	Globular	GCL,B,VL,R,GVMBM,RRR
NGC 6494 1.9"	Sgr 12x50	M23 B,L,R=G	Open Cluster 10.0 II 2 r	CL,B,VL,PRI,LC,*10..
NGC 6514 1.9"	Sgr 12x50	M20 H41-4 VB,VL,R=E	Nebula EN+OC	VB,VL,TRIFID,D*INV
NGC 6523 1.9"	Sgr 12x50	M8 VB,VL,EXTENDED,R=E	Nebula E	VB,EL,EIF,W/LCL
NGC 6531 1.9"	Sgr 12x50	M21 B,S,R=F	Open Cluster 8.0 I 3 r	CL,PRI,LC,ST9...12
NGC 6656 1.9"	Sgr 12x50	M22 PB,PL,R,R=F	Globular	GCL,VB,VL,R,VRI,VMC
NGC 6705 1.9"	Sct 12x50	M11 B,L,R=G	Open Cluster 11.0 I 2 r	CL,VB,L,IR,RI,*9,
NGC 6853 1.9"	Vul 12x50	M27 F,S,R,R=F	Planetary Neb 3+2	VB,VL,BIN,IE,DUMBEL

Observations Listing by Date

July 24, 2006

Hidden Hollow - RAS

HENIZ 2-260 8"	FIX 7.5mmW VF,VS,R,AV,R=F	Planetary Neb	
IC 5067 8"	Cyg 25mmPL PF,CL,R=F	Nebula EN	
MERR 2-2 8"	FIX 7.5mmW VF,VS,R,AV,R=F	Planetary Neb 1	
NGC 650 8"	Per M76 H193-1 11mmT6 PF,L,R,R=G	Planetary Neb 3+6	VB,P OF DNEB
NGC 6118 8"	Ser H402-2 11mmT6 VF,PS,OVAL,NND,AV,R=F	Galaxy SA(s)cd	VF,CL,CE45,R
NGC 6482 8"	Her 11mmT6 PF,PS,OVAL,NND,R=F	Galaxy E:	VF,S,R,VSVMBMVS RN
NGC 6888 8"	Cyg H72-4 25mmPL PF,PL,PATCHEY,R=F	Nebula E	F,VL,VME,**ATT
NGC 6914 8"	Cyg 25mmPL PF,PS,PATCHY,R=F	Nebula R	VF,VL,IR,DIF,2*ATT P
NGC 7031 8"	Cyg H74-8 11mmT6 CF,CS,R=F	Open Cluster 11.3 III 2 m	CL OF TRIP ST,LC
NGC 7063 8"	Cyg 11mmT6 CF,S,R=F	Open Cluster 8.9 III 1 p	CL,P,ST10...
NGC 7067 8"	Cyg H50-7 11mmT6 CF,VS,R=F	Open Cluster 11.2 II 1 p	CL,P,(NEB)
NGC 7160 8"	Cep H67-8 11mmT6 PB,S,R=F	Open Cluster 7.0 I 3 p	CL,P,VLC
NGC 7209 8"	Lac H53-7 11mmT6 PB,PS,R=G	Open Cluster 9.0 III 1 m	CL,L,CRI,PC,ST9...12
NGC 7243 8"	Lac H75-8 11mmT6 PB,PL,R=G	Open Cluster 8.0 II 2 m	CL,L,P,LC,ST VL
NGC 7296 8"	Lac H41-7 11mmT6 PF,CS,R=F	Open Cluster 10.0 II 2 p	CL,IR,LC,ST VS
NGC 7380 8"	Cep H77-8 11mmT6 PB,CS,R=F	Open Cluster 10.0 III 2 m n	CL,PL,PRI,LC,*9...13
NGC 7789 8"	Cas H30-6 11mmT6 PB,PL,R=G	Open Cluster 10.0 II 2 r	CL,VL,VRI,VMC,*11.18

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July 23, 2006

Hidden Hollow - RAS

IC	1392	Cyg	Galaxy S0-:	
	8"	7.5mmW	VF,ES,OVAL,NND,AV,R=F	
IC	5117	Cyg	Planetary Neb 2	
	8"	11mmT6	F,VS,R,AV,R=F	
NGC	185	Cas	H707-2 Galaxy E3 pec	PB,VL,IR,VGMBM,R
	8"	11mmT6	VF,PL,OVAL,NND,AV,R=F	
NGC	278	Cas	H159-1 Galaxy SAB(rs)b	CB,PL,R,2*10NR
	8"	11mmT6	PF,CS,R,NND,R=F	
NGC	457	Cas	H42-7 Open Cluster 8.6 II 3 r	CL,B,L,PRI,*7,8,10
	8"	7.5mmW	CB,PL,R=G,EXTENDED GROUP	
NGC	3147	Dra	H79-1 Galaxy SA(rs)bc	VB,L,R,VGVSVMBM
	8"	11mmT6	PF,PS,OVAL,NND,R=F	
NGC	5897	Lib	H19-6 Globular	GCL,PF,L,VIR,VGBM,
	8"	11mmT6	CF,PS,R,R=F	
NGC	5907	Dra	H759-2 Galaxy SA(s)c: sp	CB,VL,VME155,VGPSBMN
	8"	11mmT6	PF,PS,EON,VFNUC,R=F	
NGC	6451	Sco	H13-6 Open Cluster 12.0 I 2 r n	CL,PL,PRI,BIFID,ST12
	8"	11mmT6	PB,PL,R=G,DENSE GROUP	
NGC	6572	Oph	Planetary Neb 2a	PLN,VB,VS,R,LHAZY
	8"	7.5mmW	CB,CS,R,R=G	
NGC	6583	Sgr	H31-7 Open Cluster I 2 m	CL,PRI,PC,CE,ST13...
	8"	11mmT6	CF,S,R=F	
NGC	6802	Vul	H14-6 Open Cluster 14.0 I 1 m	CL,L,VC,E0,ST14...18
	8"	11mmT6	PF,CS,R=F	
NGC	6823	Vul	H18-7 Open Cluster 8.8 I 3 m n	CL,CRI,E,ST11...12
	8"	11mmT6	B,PS,R=F	
NGC	6830	Vul	H9-7 Open Cluster 10.0 II 2 p	CL,L,PRI,PC,*11...12
	8"	11mmT6	B,PS,R=F	
NGC	6834	Cyg	H16-8 Open Cluster 11.0 II 2 m	CL,P,LC,*11...12
	8"	19mmW	PB,PS,R=F,LOOSE GROUP	
NGC	6866	Cyg	H59-7 Open Cluster 10.0 II 2 r	CL,L,VRI,CC
	8"	19mmW	PB,PS,R=F,EXTENDED GROUP	
NGC	6882	Vul	H22-8 Open Cluster	CL,P,LC
	8"	11mmT6	PB,PS,R=F	
NGC	6884	Cyg	Planetary Neb 2b	PLN,STELLAR
	8"	11mmT6	VF,VS,AV,R=F	
NGC	6885	Vul	H20-8 Open Cluster 5.9 III 2 m	CL,VB,VL,RI,LC,*6.11
	8"	11mmT6	PB,PS,R=F	

Observations Listing by Date

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NGC	6910	Cyg	H56-8	Open Cluster 9.6 I 3 m n	CL,PB,PS,P,PC,*20.12
	8"	19mmW	CB,PS,R=F,BRIGHTER,TIGHTER		
NGC	6934	Del	H103-1	Globular	GCL,B,L,R,RRR,*16...
	8"	7.5mmW	PB,CS,R,R=G		
NGC	6940	Vul	H8-7	Open Cluster 11.0 III 2 r	CL,VB,VL,VRI,CC,STPL
	8"	11mmT6	PB,PL,R=G		
NGC	7006	Del	H52-1	Globular	B,PL,R,GBM
	8"	7.5mmW	VF,CS,R,R=F		
NGC	7044	Cyg	H24-6	Open Cluster 15.0 I 1 r	CL,VF,PL,VRI,VC
	8"	19mmW	B,S,R=F		
NGC	7062	Cyg	H51-7	Open Cluster 10.1 II 2 m	CL,PS,PRI,PC,ST13...
	8"	19mmW	PB,PS,R=F		
NGC	7086	Cyg	H32-6	Open Cluster 10.2 II 2 m	CL,CL,VRI,PC,*11..16
	8"	19mmW	PB,PS,R=F		
NGC	7128	Cyg	H40-7	Open Cluster 11.5 I 3 m	CL,S,PRI,HASARUBY*9
	8"	19mmW	PF,CS,R=F,SMUDGE, NO STARS		
NGC	7331	Peg	H53-1	Galaxy SA(s)b	B,PL,PME163,SMBM
	8"	11mmT6	PB,PL,EON,FNUC,R=G		
NGC	7814	Peg	H240-2	Galaxy SA(s)ab: sp	CB,CL,E,VGBM
	8"	11mmT6	CF,CS,OVAL,NND,AV,R=F		

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NGC	6254	Oph	M10	Globular	GCL,B,VL,R,GVMBM,RRR
	8"	19mmW	PB,PL,R=G, OUTER STARS RESOLVED.		
NGC	6624	Sgr	H50-1	Globular	GCL,VB,PL,R,RRR,ST16
	8"	19mmW	PF,PS,R=F		
NGC	6638	Sgr	H51-1	Globular	GCL,B,S,R,RR
	8"	19mmW	CF,PS,R=F		
NGC	6642	Sgr	H205-2	Globular	GCL,PB,PL,IR,GPMBM
	8"	19mmW	F,CS,R=F		
NGC	6645	Sgr	H23-6	Open Cluster 12.0 IV 1 m	CL,PL,VRI,PC,ST11.15
	8"	19mmW	PB,PS,R=G		
NGC	6652	Sgr		Globular	B,S,LE,RRR,ST15
	8"	19mmW	CF,CS,R=F		
NGC	6723	Sgr		Globular	GCL,VL,VLE,VGBM,RRR
	8"	19mmW	CF,PS,R=F		
NGC	6864	Sgr	M75	Globular	GCL,B,PL,R,VMBMBN,RR
	8"	19mmW	PF,PS,R=F		

Observations Listing by Date

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Hidden Hollow - RAS

NGC	5897	Lib	H19-6	Globular	GCL,PF,L,VIR,VGBM,
	8"	19mmW	VF,PS,R=F, DIM, UNRESOLVED.		
NGC	6235	Oph	H584-2	Globular	PB,CL,IR,RRR,*14..16
	8"	19mmW	CF,PS,R-F,LITTLE BRIGHTER, DIM STARS		
NGC	6284	Oph	H11-6	Globular	GCL,B,L,R,CM,ST16...
	8"	19mmW	PF,PS,R=F		
NGC	6287	Oph	H195-2	Globular	GCL,CB,L,R,GPMCM,RRR
	8"	19mmW	CF,PS,R=F, DIM SMUDGE, NO STARS		
NGC	6293	Oph	H12-6	Globular	GCL,VB,L,R,PSBM,ST16
	8"	19mmW	PF,PS,R=F,FAINT STARS		
NGC	6304	Oph	H147-1	Globular	GCL,B,CL,R,LBM,RRR
	8"	19mmW	CF,PS,R=F,TIGHT SMUDGE, NO STARS		
NGC	6316	Oph	H45-1	Globular	GCL,CB,PS,R,GVMBM
	8"	19mmW	F,PS,R=F,LOOSE SMUDGE, NO STARS		
NGC	6342	Oph	H149-1	Globular	CB,PS,LE,ER
	8"	19mmW	VF,PS,R=F, DIM, UNRESOLVED.		
NGC	6355	Oph	H46-1	Globular	CF,L,R,GBM,RRR
	8"	19mmW	EF,S,AV,R=F		
NGC	6356	Oph	H48-1	Globular	GCL,VB,CL,VGVMBM,RRR
	8"	19mmW	PB,PS,R=G, DIM STARS		
NGC	6366	Oph		Globular	F,L,VLBM
	8"	19mmW	EF,PS,AV,R=F		
NGC	6401	Oph	H44-1	Globular	PB,PL,R,*12F INV
	8"	19mmW	EF,CS,R=F,VERY DIM SMUDGE		
NGC	6440	Sgr	H150-1	Globular	PB,PL,R,BM
	8"	19mmW	CF,CS,R=F		
NGC	6441	Sco		Globular	GCL,VB,PL,R,VGMBM,
	8"	19mmW	PB,CS,R=G,TIGHT GROUP, UNRESOLVABLE		
NGC	6522	Sgr	H49-1	Globular	GCL,B,PL,R,GVMBM,RRR
	8"	19mmW	PB,S,R=F		
NGC	6528	Sgr	H200-2	Globular	GCL,PF,CS,R,GBM,RRR
	8"	19mmW	CF,CS,R=G		
NGC	6544	Sgr	H197-2	Globular	CF,PL,IR,R
	8"	19mmW	PF,CS,R=F,SMUDGE, NO STARS		
NGC	6553	Sgr	H12-4	Globular	GCL,F,L,LE,VGLBM,RR
	8"	19mmW	PF,PS,R=F		
NGC	6569	Sgr	H201-2	Globular	GCL,CB,L,R,RRR,*15..
	8"	19mmW	F,CS,R=F		

Observations Listing by Date

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Hidden Hollow - RAS

NGC	6633	Oph	H72-8	Open Cluster 8.0 III 2 m	CL,LC,ST L
	8"	32mmUW	VB,VL,LOOSE CLUSTER		
NGC	6712	Sct	H47-1	Globular	GCL,PB,VL,IRR,RRR
	8"	19mmW	PB,PS,R=G		

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Hidden Hollow - RAS

NGC	5744	Lib		Galaxy (R')SB(rs)d:	EF,VS,(NEB)
	31"	19mmW	PF,CS,R,NND,R=F		
NGC	5745	Lib		Galaxy Sa pec sp	VF,S,E,PSLBM
	31"	19mmW	CF,S,OVA,NND,R=F		
NGC	5756	Lib		Galaxy (R')SB(s)bc p	PB,PL,PME,GPMBM
	31"	19mmW	F,PS,EON,NND,R=F		
NGC	5757	Lib	H690-3	Galaxy (R)SB(r)b	VF,S,IR,LBM
	31"	19mmW	F,PS,OVAL,NND,R=F		
NGC	5761	Lib		Galaxy S0^ pec:	VF,S,R,GLBMN
	31"	19mmW	PF,S,R,NND,R=F		
NGC	5766	Lib		Galaxy SAB(s)bc:	EF,PS,R,GBM
	31"	19mmW	CF,CS,OVAL,NND,R=F		
NGC	5768	Lib	H373-3	Galaxy SA(rs)c:	F,R,BMFN,S*S
	31"	19mmW	F,PS,OVAL,NND,R=F		
NGC	5781	Lib		Galaxy (R')SBb pec sp	F,S,R,BM,*16SP
	31"	19mmW	F,PS,EL,OVAL,NND,R=F		
NGC	5793	Lib		Galaxy Sb: sp	EF,PS,E,BMN
	31"	19mmW	F,PS,EON,NND,R=F		
NGC	5796	Lib		Galaxy E0-1	F,PS*INCENTRE
	31"	19mmW	PB,S,OVAL,FNUC,R=G		

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May 28, 2006

Hidden Hollow - RAS

NGC 3839 31"	Leo 19mmW	Galaxy Sdm: PF,PS,OVAL,NND,R=F	VF,S,R,LBM
NGC 5595 31"	Lib 19mmW	H121-3 Galaxy SAB(rs)c PF,PS,OVA,NND,R=F	F,PL,R,VGBM,P OF 2
NGC 5597 31"	Lib 19mmW	H122-3 Galaxy SAB(s)cd F,S,OVA,NND,R=F	VF,L,VLE,VGLBM,F OF2
NGC 5605 31"	Lib 19mmW	H120-3 Galaxy (R')SAB(rs)c p: CF,PS,OVAL,NND,R=F	VF,PL,R,VGBM
NGC 5663 31"	Lib 19mmW	Galaxy SA0-: CF,CS,R,NND,R=F	EF,VS,R,GLBM
NGC 5664 31"	Lib 19mmW	Galaxy Sa PF,PS,OVAL,NND,R=F	PF,S,E,GBM
NGC 5716 31"	Lib 19mmW	H671-3 Galaxy SB(rs)c? CF,PS,OVAL,NND,R=F	VF,PL,R
NGC 5726 31"	Lib 19mmW	Galaxy S0- pec sp CF,CS,OVAL,NND,R=F	F,S,R,GBM,*10.5NP3'
NGC 5729 31"	Lib 19mmW	H508-3 Galaxy Sb pec: PF,PS,EON,NND,R=F	F,PL,E,R
NGC 5734 31"	Lib 19mmW	Galaxy S0^ pec sp F,CS,OVAL,NND,R=F	VF,S,LE,GLBM
NGC 5741 31"	Lib 19mmW	Galaxy E PF,S,R,NND,R=F	VF,VS,R,SBMN
NGC 5742 31"	Lib 19mmW	Galaxy SB(r)0^? PF,S,EON,NND,R=F	F,PS,PME,GBMN
NGC 5743 31"	Lib 19mmW	Galaxy Sb: CF,CS,OVAL,NND,R=F	F,S,ME,SMBMN
PGC 52612 31"	Lib 19mmW	Galaxy SB(s)d VF,CS,OVAL,NND,AV,R=F	

Observations Listing by Date

May 22, 2006

Hidden Hollow - RAS

IC	982	Boo		Galaxy SA0+	
	31"	19mmW	F,CS,R,NND,R=F		
IC	983	Boo		Galaxy SB(r)bc	
	31"	19mmW	VF,PL,OVAL,PATCHY,NND,R=F		
MAC	1423+4015	Boo		Galaxy	
	31"	19mmW	VF,VS,R,NND,AV,R=F		
NGC	5490C	Boo		Galaxy SB(s)bc	
	31"	19mmW	F,CS,OVAL,NND,R=F		
NGC	5490C	Boo		Galaxy SB(s)bc	
	31"	19mmW	PB,PS,OVAL,FNUC,R=G		
NGC	5497	Boo		Galaxy SB(s)b	EF,S,R,LBM
	31"	19mmW	F,S,OVL,NND,R=F		
NGC	5536	Boo	H731-3	Galaxy SBa	CF,VS,R,SP OF 2
	31"	19mmW	PB,CS,R,NND,R=G		
NGC	5541	Boo	H732-3	Galaxy S?	CF,S,R,GBM,NF OF 2
	31"	19mmW	CB,PL,OVAL,FNUC,R=G		
NGC	5598	Boo	H733-3	Galaxy S0	F,VS,R,BM
	31"	19mmW	PB,PL,OVAL,NND,R=G		
NGC	5603	Boo	H734-3	Galaxy S0	CF,PS,R,GBM
	31"	19mmW	F,PL,R,NND,R=F		
PGC	50693	Boo		Galaxy S0/a	
	31"	19mmW	PB,CS,EON,FNUC,R=F		
PGC	51372	Boo		Galaxy SAcd	
	31"	19mmW	PB,PL,OVAL,FNUC,R=G		
PGC	51417	Boo		Galaxy S0	
	31"	19mmW	PB,CS,OVAL,FNUC,R=F		
PGC	51503	Boo		Galaxy Sd	
	31"	19mmW	F,PL,EON,NND,R=F		

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April 29, 2006**Hidden Hollow - RAS**

NGC 4285 31"	Vir 19mmW	Galaxy Sa VF,S,OVAL,NND,AV,R=F	EF,PS,R
NGC 5661 31"	Vir 19mmW	H892-2 Galaxy SBb: CF,PS,EON,NND,R=F	VF,PS,IE
NGC 5679A 31"	Vir 19mmW	Galaxy Sc VF,VS,OVAL,NND,AV,R=F	
NGC 5679B 31"	Vir 19mmW	Non-Existent VF,VS,OVAL,NND,AV,R=F	
NGC 5701 31"	Vir 19mmW	H575-2 Galaxy (R)SB(rs)0/a CB,S,R,FNUC,MSB,R=F	CB,PS,R,MBM,*11P15S
PGC 51909 31"	Vir 19mmW	Galaxy Sc VF,VS,EON,NND,AV,R=F	
PGC 52199 31"	Vir 19mmW	Galaxy S0 F,VS,R,NND,R=F	

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April 28, 2006**Hidden Hollow - RAS**

IC	2982	Leo	Galaxy L	
	31"	19mmW	PF,PS,OVAL,NND,R=F	
NGC	2988	Leo	Galaxy SBbc	EF,P 2991
	31"	19mmW	CF,CS,R,FNUC,R=F	
NGC	3812	Leo	H320-3 Galaxy E	CF,VS,R,1STOF3,*6SF
	31"	19mmW	CB,PL,R,FNUC,R=G	
NGC	3814	Leo	Galaxy S0	VS,NEBS*,P 3815
	31"	19mmW	VF,PS,EL,OVAL,NND,R=F	
NGC	3815	Leo	H339-3 Galaxy Sab	CF,S,3RD OF 3
	31"	19mmW	CB,PL,OVAL,UB,NND,R=F	
NGC	3816	Leo	Galaxy S0	F,S,BM
	31"	19mmW	CB,CL,EL,OVAL,UB,NND,R=F	
NGC	4004	Leo	H354-3 Galaxy Pec	F,VS,R,*12 NEAR
	31"	19mmW	CF,CS,EON,UB,NND,R=F	
NGC	4570	Vir	H32-1 Galaxy S0 sp	CB,PS,ME0,SBMRN
	31"	19mmW	VB,CL,EON,,BNUC,PHISB,R=G	
NGC	4636	Vir	H38-2 Galaxy E	B,L,IR,VGVMBM,R
	31"	19mmW	VB,VL,OVAL,BNUC,PHISB,R=G	
NGC	4643	Vir	H10-1 Galaxy SB(rs)0/a	CB,PS,LE,MBM
	31"	19mmW	VB,VL,OVAL,BNUC,PHISB,R=G	
NGC	4666	Vir	H15-1 Galaxy SABc:	B,VL,ME45,PSBM
	31"	19mmW	VB,VL,EON,BNUC,VHISB,R=G	
NGC	4697	Vir	H39-1 Galaxy E6	VB,L,LE45,SMBMN
	31"	19mmW	CB,VL,OVAL,VBNUC,VHISB,R=G	
NGC	4699	Vir	H129-1 Galaxy SAB(rs)b	VB,R,VMBMRN,R
	31"	19mmW	CB,CL,OVAL,BNUC,HISB,R=G	
NGC	4753	Vir	H16-1 Galaxy I0	CB,L,VLE,VGLBM
	31"	19mmW	CB,CL,OVAL,BNUC,MSB,R=G	
NGC	4754	Vir	H25-1 Galaxy SB(r)0-:	B,PL,R,PSBM,P OF 2
	31"	19mmW	CB,CL,OVAL,UB,FNUC,MSB,R=G	
NGC	4762	Vir	H75-2 Galaxy SB(r)0^? sp	PB,VME31,3B*S,F OF 2
	31"	19mmW	CB,VL,EON,BNUC,VHISB,R=G	
NGC	4856	Vir	H68-1 Galaxy SB(s)0/a	B,R,PSMBM,*13NP
	31"	19mmW	CB,CL,EL,EON,BNUC,MSB,R=G	
NGC	4866	Vir	H162-1 Galaxy SA(r)0+: sp	B,PL,ME90,SBMN,S*INV
	31"	19mmW	CN.VL,EON,BNUC,MSB,R=G	
NGC	4900	Vir	H143-1 Galaxy SB(rs)c	CB,CE,*10ATT POS135
	31"	19mmW	FB,PL,R,UB,NND,R=F	

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NGC 4958 31"	Vir 19mmW	H130-1 CB,P,EON,BNUC,HISB,R=G	Galaxy SB(r)0? sp	VB,PS,E,BMBN
NGC 4995 31"	Vir 19mmW	H42-1 PB,CL,OVAL,FNUC,MSB,R=F	Galaxy SAB(rs)b	PB,PL,R,VGPMBM,*8NP
NGC 5054 31"	Vir 19mmW	H513-2 CB,PL,OVAL,UB,NND,R=F	Galaxy SA(s)bc	F,PS,IR
NGC 5363 31"	Vir 19mmW	H6-1 PB,S,R,FNUC,MSB,R=G	Galaxy I0?	B,PL,R,PSBM,*8NF
NGC 5364 31"	Vir 19mmW	H534-2 B,CS,R,NND,R=F	Galaxy SA(rs)bc pec	CF,L,R,GBM
NGC 5560 31"	Vir 19mmW	H579-2 B,PL,EON,UB,NND,R=F	Galaxy SB(s)b pec	PF,CL,E,GBM
NGC 5566 31"	Vir 19mmW	H144-1 CB,CL,EON,BNUC,HISB,R=G	Galaxy SB(r)ab	B,PL,R,PSBM,R,*F1.5'
NGC 5574 31"	Vir 19mmW	H145-1 F,CL,OVAL,UB,NND,R=F	Galaxy SB0:-? sp	PF,PS,LE,P OF 2
NGC 5576 31"	Vir 19mmW	H146-1 B,L,OVALBNUC,HISB,R=G	Galaxy E3	B,S,R,VSMBM,F OF 2
NGC 5599 31"	Vir 19mmW	H927-3 F,PS,EON,NND,R=F	Galaxy Sb	F,S,LE
NGC 5618 31"	Vir 19mmW	H763-3 PF,PS,OVAL,NND,R=F	Galaxy SB(rs)c	EF,S
NGC 5619 31"	Vir 19mmW		Galaxy SAB(rs)b	VF,S,R,VGBM
NGC 5634 31"	Vir 19mmW		Globular	GCL,VB,CL,R,GBM,RRR
NGC 5652 31"	Vir 19mmW		Non-Existent	PB,PL,VLE,BM
NGC 5846A 31"	Vir 19mmW		Galaxy cE2-3	
NGC 5846 31"	Vir 19mmW		Galaxy E0-1	VB,PL,R,PSBMN,F*INVS
PGC 30378 31"	Leo 19mmW		Galaxy C	
PGC 51389 31"	Vir 19mmW		Galaxy C	
PGC 51400 31"	Vir 19mmW		Galaxy SB(s)d	

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PGC 51622
31"

Vir Galaxy Sbc
19mmW F,S,R,NND,R=F CLASS O1503

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NGC 2903 8"	Leo 19mmW	H56-1 PB,PL,EL,EON,BNUC,HISB,R=G	Galaxy SAB(rs)bc	CB,VL,E,GMBM,R,SPOF2
NGC 3190 8"	Leo 11mmT6	H44-2 F,PS,EL,OVAL,NND,R=F	Galaxy SA(s)a pec sp	B,PS,E,PSBMN
NGC 3193 8"	Leo 11mmT6	H45-2 PF,PS,R,NND,R=F	Galaxy E2	B,S,VLE,PSLBM,*9NF
NGC 3226 8"	Leo 11mmT6	H28-2 PF,PS,OVAL,NND,R=F	Galaxy E2: pec	PB,CL,R,DW/3227
NGC 3227 8"	Leo 11mmT6	H29-2 F,S,EL,R,NND,R=F	Galaxy SAB(s)a pec	PB,CL,R,DW/3226
NGC 3377 8"	Leo 11mmT6	H99-2 VF,PS,OVAL,NND,AV,R=F	Galaxy E5-6	VB,CL,LE,SVMBMBN
NGC 3384 8"	Leo 11mmT6	H18-1 FB,PS,OVAL,UB,R=G	Galaxy SB(s)0-:	VB,L,R,PSMBM,2ND OF3
NGC 3389 8"	Leo 11mmT6	H41-2 PF,PS,EL,OVAL,NND,R=F	Galaxy SA(s)c	F,L,E PF,VGLBM,3RD-3
NGC 3412 8"	Leo 11mmT6	H27-1 FB,PS,OVAL,FNUC,MSB,R=G	Galaxy SB(s)0^	B,S,LE135,SMBMN
NGC 3489 8"	Leo 11mmT6	H101-2 FB,FS,OVAL,UB,FNUC,R=G	Galaxy SAB(rs)0+	VB,PL,LE80,SMBMN
NGC 3521 8"	Leo 11mmT6	H13-1 PB,PL,OVAL,BNUC,HISB,R=G	Galaxy SAB(rs)bc	CB,CL,ME140,VSMBMN
NGC 3593 8"	Leo 11mmT6	H29-1 F,L,EON,NND,R=F	Galaxy SA(s)0/a:	B,CL,E90,PSMBM
NGC 3607 8"	Leo 11mmT6	H50-2 PB,L,R,BNUC,HISB,R=G	Galaxy SA(s)0^:	VB,L,R,VMBM,2ND OF 3
NGC 3608 8"	Leo 11mmT6	H51-2 B,CL,OVAL,NND,R=F	Galaxy E2	B,PL,R,PSBM,3RD OF 3
NGC 3626 8"	Leo 11mmT6	H52-2 B,PS,OVAL,FNUC,MSB,R=F	Galaxy S0-a	B,S,VLE,SBM
NGC 3628 8"	Leo 11mmT6	H8-5 PF,CL,EON,NND,R=F	Galaxy Sb pec sp	PB,VL,VME102
NGC 3640 8"	Leo 11mmT6	H33-2 PB,L,OVAL,FNUC,MSB,R=G	Galaxy E3	B,PL,R,PSBM
NGC 3686 8"	Leo 11mmT6	H160-2 VF,PS,OVAL,NND,AV,R=F	Galaxy SB(s)bc	PB,L,VLE,VGBM,R
NGC 3810 8"	Leo 11mmT6	H21-1 PF,L,OVAL,UB,NND,R=F	Galaxy SA(rs)c	B,L,VLE

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NGC	3962	Crt	H67-1	Galaxy E1	CB,PL,IR,GMBM,TRI2*
	8"	19mmW	PF,PS,OVAL,NND,R=F		
NGC	4261	Vir	H139-2	Galaxy E2-3	PB,PS,R,GBM
	8"	11mmT6	B,L,OVAL,FNUC,MSB,R=G		
NGC	4293	Com	H5-5	Galaxy (R)SB(s)0/a	F,VL,E,LBM,R
	8"	11mmT6	PB,L,EON,UB,R=F		
NGC	4365	Vir	H30-1	Galaxy E3	CB,PL,VLE,GL,SMBM
	8"	11mmT6	PB,PL,OVAL,FNUC,MSB,R=G		
NGC	4371	Vir	H22-1	Galaxy SB(r)0+	B,PS,R,GBM
	8"	11mmT6	PF,PS,OVAL,NND,R=F		
NGC	4394	Com	H55-2	Galaxy (R)SB(r)b	PB,LE,BM
	8"	11mmT6	PF,PS,R,NND,R=F		
NGC	4429	Vir	H65-2	Galaxy SA(r)0+	B,L,CE,PSBM,*10NF
	8"	11mmT6	F,PS,EL,OVAL,UB,R=F		
NGC	4435	Vir	H28-1	Galaxy SB(s)0^	VB,CL,R,NP OF 2
	8"	11mmT6	B,S,R,FNUC,MSB,R=G		
NGC	4438	Vir	H28-1	Galaxy SA(s)0/a pec:	B,CL,VLE,R,SF OF 2
	8"	11mmT6	F,PL,EL,OVAL,NND,R=F		
NGC	4442	Vir	H156-2	Galaxy SB(s)0^	VB,PL,R,SMBM
	8"	11mmT6	PB,CS,EON,FNUC,R=G		
NGC	4459	Com	H161-1	Galaxy SA(r)0+	PB,PL,IR,BM,R,*8SF2'
	8"	11mmT6	PF,PS,OVAL,NND,R=F		
NGC	4473	Com	H114-2	Galaxy E5	PB
	8"	11mmT6	PB,CS,OVAL,FNUC,R=G		
NGC	4474	Com	H117-2	Galaxy S0 pec:	PF,R,R
	8"	11mmT6	VF,VS,OVAL,NND,R=F		
NGC	4477	Com	H115-2	Galaxy SB(s)0:?	PB,CL
	8"	11mmT6	PB,CS,R,FNUC,R=G		
NGC	4494	Com	H83-1	Galaxy E1-2	VB,PL,R,VSBMNM
	8"	11mmT6	FB,FL,OVAL,FNUC,R=F		
NGC	4526	Vir	H31-1	Galaxy SAB(s)0^:	VB,VL,ME120,PSMBM
	8"	11mmT6	VB,CS,EON,BNUC,R=G		
NGC	4535	Vir	H500-2	Galaxy SAB(s)c	PF,VL,R
	8"	11mmT6	F,VL,OVAL,NND,R=F		
NGC	4546	Vir	H160-1	Galaxy SB(s)0-:	VB,CL,PME78,VSBMNM
	8"	11mmT6	F,L,OVAL,NND,R=F		
NGC	4548	Com	M91 H120-2	Galaxy SB(rs)b	B,L,LE,LBM
	8"	11mmT6	B,L,EON,NND,R=F		

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NGC	5005	CVn	H96-1	Galaxy SAB(rs)bc	VB,VL,VME66,VSBMN
	8"	11mmT6	PB,PL,EON,BNUC,R=G		
NGC	5033	CVn	H97-1	Galaxy SA(s)c	VB,PL,E167,SMBMVBN
	8"	11mmT6	B,L,EON,ND,R=F		
NGC	5195	CVn	H186-1	Galaxy I0 pec	B,PS,LE,VGBM,INV-M51
	8"	11mmT6	PB,L,OVAL,FNUC,MSB,R=G		
NGC	5676	Boo	H189-1	Galaxy SA(rs)bc	B,L,E45,PGBM,R
	8"	11mmT6	F,L,EL,OVAL,NND,R=F		

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IC	601	Leo	Galaxy S?
	31"	19mmW	PF,PS,EON,NND,R=F
IC	602	Leo	Galaxy S:
	31"	19mmW	VB,PL,OVAL,BNUC,HISB,R=G
IC	606	Leo	Non-Existent
	31"	19mmW	PB,PL,OVAL,BNUC,MSB,R=G
IC	607	Leo	Galaxy SB(rs)bc
	31"	19mmW	DIFF,PF,PL,OVAL,NND,R=F
IC	610	Leo	Galaxy Sbc
	31"	19mmW	PB,VL,EON,UB,HISB,R=G
IC	612	Leo	Galaxy S
	31"	19mmW	B,PS,OVAL,UB,R=F
IC	613	Leo	Galaxy E
	31"	19mmW	PB,PL,R,FNUC,R=G
IC	615	Leo	Galaxy S
	31"	19mmW	PB,VL,EON,FNUC,MSB,R=G
IC	616	Leo	Galaxy Scd:
	31"	19mmW	PF,PL,R,NND,R=F
IC	620	Leo	Galaxy
	31"	19mmW	F,PS,OVAL,UB,NND,R=F
IC	635	Leo	Galaxy S?
	31"	19mmW	F,PL,EON,UB,NND,R=F
IC	637	Leo	Galaxy
	31"	19mmW	F,PS,R,NND,R=F
IC	638	Leo	Galaxy SAB(s)bc
	31"	19mmW	PF,PS,OVAL,NND,R=F
IC	639	Leo	Galaxy Sb
	31"	19mmW	PF,PS,CE,UB,NND,R=F
IC	642	Leo	Galaxy E?
	31"	19mmW	PB,PL,R,FNUC,MSB,R=G
IC	643	Leo	Galaxy
	31"	19mmW	B,PL,CE,FNUC,MSB,R=G
IC	648	Leo	Galaxy Sc
	31"	19mmW	F,PL,OVAL,NND,R=F
IC	2551	Leo	Galaxy S?
	31"	19mmW	B,S,OVAL,FNUC,MSB,R=G
IC	2562	Leo	Galaxy S
	31"	19mmW	B,S,OVAL,NND,R=F

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IC	2567	Leo		Galaxy LB	
	31"	19mmW	PF,CS,OVAL,NND,R=F		
IC	2579	Leo		Non-Existent	
	31"	19mmW	PB,PL,EON,BNUC,MSB,R=G		
IC	2583	Leo		Galaxy	
	31"	19mmW	PB,PS,OVAL,BNUC,MSB,R=G		
IC	2590	Leo		Galaxy S0	
	31"	19mmW	PB,PL,R,BNUC,MSB,R=G		
IC	2626	Leo		Galaxy	
	31"	19mmW	PF,PS,EON,NND,R=F		
MAC	1018+0708	Leo		Galaxy	
	31"	19mmW	VF,VS,R,NND,AV,R=F		
MAC	1023+1056	Leo		Galaxy	
	31"	19mmW	VF,VS,R,NND,AV,R=F		
NGC	3279	Leo		Galaxy Sd	F,ME
	31"	19mmW	B,PL,MEON,UB,NND,R=G		
PGC	29413	Leo		Galaxy SABdm:	
	31"	19mmW	PF,PS,OVAL,NND,R=F		
PGC	29488	Leo		Galaxy E3	
	31"	19mmW	PF,PL,OVAL,NND,R=F		
PGC	31075	Leo		Galaxy Sbc	
	31"	19mmW	PB,PL,EON,UB,BNUC,R=G		
April 17, 2006		Home			
NGC	1976	Ori	M42	Nebula EN+RN	THETAORI \$GREAT NEB
	8"	19mmW	PB,PL,HISB,R=E		
NGC	1981	Ori		Open Cluster 10.0 III 3 p n	CL,VB,LRI,ST L,SC
	8"	19mmW	PB,L,R=F, SCATTERED STARS		
NGC	2169	Ori	H24-8	Open Cluster 6.9 III 3 m	CL,S,LRI,PMC,**
	8"	19mmW	B,S,R=F		

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NGC	1980	Ori	H31-5	Nebula III 3 m n	VF,VVL,44ORIONIS INV
	8"	19mmW	PB,L,R=F		
NGC	2186	Ori	H25-7	Open Cluster 12.0 II 2 m	CL,PL,PRI,PC,ST L\$\$
	8"	11mmT6	F,S,R=F		
NGC	2194	Ori	H5-6	Open Cluster 13.0 II 2 r	CL,L,RI,GVMCM
	8"	11mmT6	F,S,R=F		
NGC	2215	Mon	H20-7	Open Cluster 11.0 II 2 m	CL,CL,PRI,PC,ST11.15
	8"	19mmW	F,S,R=F		
NGC	2251	Mon	H3-8	Open Cluster 9.1 III 2 m	CL,VL,E,RI,LC
	8"	19mmW	B,L,R=F		
NGC	2286	Mon	H31-8	Open Cluster 9.0 III 2 m	CL,L,C,AB100*9...15
	8"	19mmW	B,L,R=F		
NGC	2301	Mon	H27-6	Open Cluster 8.0 I 3 r	CL,RI,L,IF,ST L\$\$
	8"	19mmW	PB,L,R=G		
NGC	2311	Mon	H60-8	Open Cluster 12.0 III 2 m	CL,LC,NOT RI
	8"	19mmW	N.S.R=F		
NGC	2335	Mon	H32-8	Open Cluster 10.0 III 2 m n	CL,L,LC
	8"	19mmW	F,PS,R=F		
NGC	2343	Mon	H33-8	Open Cluster 8.0 II 2 p n	CL,CL,P,LC
	8"	19mmW	F,PS,R=F		
NGC	2353	Mon	H34-8	Open Cluster 9.0 III 3 p	CL,L,LC,ONEVB*
	8"	19mmW	SMALLER, BRIGHTER,L,R=G		
NGC	2506	Mon	H37-6	Open Cluster 11.0 I 2 r	CL,PL,VRI,C,*11...20
	8"	19mmW	PF,PS,R=F, NICE GROUP		
NGC	2610	Hya	H35-4	Planetary Neb 4+2	F,S,ATTTO*13,*7NF
	8"	11mmT6	PF,PS,R=F		
NGC	2765	Hya	H520-2	Galaxy S0	VF,PL,E,GBM,ER
	8"	11mmT6	PF,PS,OVAL,NND,AV,R=F		
NGC	2811	Hya	H505-2	Galaxy SB(rs)a	PB,PS,E,PSMBM
	8"	11mmT6	PF,PS,EL,OVAL,NND,AV,R=F		
NGC	2905	Leo	H57-1	Knot in Galaxy	VF,CL,R,PSBM,R,NFOF2
	8"	11mmT6	PB,PL,EON,BNUC,R=G		
NGC	3070	Leo	H59-2	Galaxy E	PB,PS,R,GMBMN,AM3ST
	8"	11mmT6	PF,PS,OVAL,NND,AV,R=F		
NGC	3145	Hya	H518-3	Galaxy SB(rs)bc	F,PL,R,VGSLBM
	8"	11mmT6	B,L,EON,FNUC,R=F		
NGC	3395	LMI	H116-1	Galaxy SAB(rs)cd pec:	CB,PS,ILE,1ST OF 2
	8"	11mmT6	PF,PS,EL,OVAL,NND,R=F		

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NGC	3396	LMi	H117-1	Galaxy IBm pec	PB,PS,ILE,2ND OF 2
	8"	11mmT6	PF,VS,R,NND,R=F		
NGC	3430	LMi	H118-1	Galaxy SAB(rs)c	PB,L,IE,GBM,2ND OF 3
	8"	11mmT6	PF,S,OVAL,NND,R=F		
NGC	3432	LMi	H172-1	Galaxy SB(s)m sp	PB,PL,VME40,**NR SP
	8"	11mmT6	F,L,EON,NND,R=F		
NGC	3504	LMi	H88-1	Galaxy (R)SAB(s)ab	B,L,E,MBMN,RR,P OF 2
	8"	11mmT6	F,S,R,UB,R=F		
NGC	3585	Hya	H269-2	Galaxy E6	B,PL,E,VSMBMN,2B*TRI
	8"	11mmT6	B,L,OVAL,FNUC,R=F		
NGC	3900	Leo	H82-1	Galaxy SA(r)0+	B,PL,VLE0,BMN
	8"	11mmT6	F,L,OVAL,NND,R=F		
NGC	3912	Leo	H342-2	Galaxy SAB(s)b? pec	F,PL,R,PGBM
	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC	4027	Crv	H296-2	Galaxy SB(s)dm	GCL,PF,PL,R,RR,ST16
	8"	11mmT6	PF,PS,R,NND,AV,R=F		
NGC	4143	CVn	H54-4	Galaxy SAB(s)0^	CB,R,VG,VSMBMN
	8"	19mmW	DIFF,F,L,OVAL,NND,R=F		
NGC	4147	Com	H19-1	Globular	GCL,VB,PL,R,GBM,RRR
	8"	11mmT6	F,S,R,NND,R=F CLASS IX		
NGC	4150	Com	H73-1	Galaxy SA(r)0^?	B,S,R,PGBM
	8"	11mmT6	B,L,R,FNUC,R=F		
NGC	4151	CVn	H165-1	Galaxy (R')SAB(rs)ab:	VB,S,R,VSMBMBN,P OF2
	8"	11mmT6	F,S,OVAL,NND,R=F		
NGC	4156	CVn	H642-2	Galaxy SB(rs)b	PF,S,E,VGBM,F OF 2
	8"	11mmT6	F,PS,R,NND,R=F		
NGC	4214	CVn	H95-1	Galaxy IBm	CB,CL,IE,BIN
	8"	11mmT6	F,PS,R,NND,R=F		
NGC	4346	CVn	H210-1	Galaxy S0 sp	VF,S,ME100,VSMBMBN
	8"	11mmT6	F,S,EON,FNUC,R=F		
NGC	4485	CVn	H197-1	Galaxy IB(s)m pec	B,PS,IR,NP OF 2
	8"	11mmT6	PF,PS,R,NND,R=F		
NGC	4490	CVn	H198-1	Galaxy SB(s)d pec	VB,VL,ME130,R,SF OF2
	8"	11mmT6	F,S,OVAL,FNUC,R=F		
NGC	4618	CVn	H178-1	Galaxy SB(rs)m	B,L,E,MBM,CVDBRANCHN
	8"	11mmT6	PF,PS,OVAL,NND,AV,R=F		
NGC	4800	CVn	H211-1	Galaxy SA(rs)b	PB,CS,R,PSBM,*14P
	8"	11mmT6	PF,PS,R,NND,R=F		

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NGC	5273	CVn	H98-1	Galaxy SA(s)0^	CB,PL,R,G,PSMBM
	8"	11mmT6	PF,PS,R,NND,AV,R=F		
NGC	5557	Boo	H99-1	Galaxy E1	CB,S,R,VSBM*
	8"	11mmT6	F,S,R,FNUC,R=F		

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IC	4715	Sgr		Non-Existent	
	8"	19mmW	R=F		
IC	4725	Sgr	M25	Open Cluster 8.0 I 3 m	
	8"	19mmW	S,R=F		
NGC	4590	Hya	M68	Globular	GCL,L,ERI,VC,IR,ST12
	8"	19mmW	F,L,R,R=F, DENSE CLUSTER		
NGC	5236	Hya	M83	Galaxy SAB(s)c	VB,VL,E55,ESBMN,SPIR
	8"	19mmW	DIFF,F,L,OVAL,,NND,R=F		
NGC	5904	Ser	M5	Globular	GCL,VB,L,ECM,*11..15
	8"	19mmW	B,L,R=G,DENSE, RESOLVE OUTER STARS		
NGC	6093	Sco	M80	Globular	GCL,VB,L,VMBM(VAR*)
	8"	19mmW	VB,S,R=G,TIGHT GROUP		
NGC	6121	Sco	M4	Globular	CL,8OR10B*LINE,RRR
	8"	19mmW	B,L,R=G,LOOSELY PACKED		
NGC	6171	Oph	M107 H40-6	Globular	GCL,L,VRI,VMC,R,RRR
	8"	19mmW	F,L,R=F, DENSE		
NGC	6205	Her	M13	Globular	GCL,EB,VRI,VGECM,*11
	8"	19mmW	B,L,R,R=G,DENSE,RESOLVE OUTER STARS		
NGC	6218	Oph	M12	Globular	GCL,VB,VL,IR,GMBM
	8"	19mmW	B,L,R=G,LOOSELY PACKED		
NGC	6254	Oph	M10	Globular	GCL,B,VL,R,GVMBM,RRR
	8"	19mmW	B,L,R=G,LOOSELY PACKED		
NGC	6266	Oph	M62	Globular	GCL,VB,L,GMBM,RRR,
	8"	19mmW	B,S,R=G, TIGHT GROUP		
NGC	6273	Oph	M19	Globular	GCL,VB,L,R,VCM,RRR
	8"	19mmW	B,S,R=G, TIGHT GROUP		
NGC	6333	Oph	M9	Globular	GCL,B,L,R,ECM,RRR,
	8"	19mmW	F,VL,R,R=F,		
NGC	6341	Her	M92	Globular	GCL,VB,VL,ECM,ST S
	8"	19mmW	B,L,R,R=G,DENSE,RESOLVE OUTER STARS		
NGC	6402	Oph	M14	Globular	GCL,B,VL,R,ERI,VGMBM
	8"	19mmW	F,L,R=F,TIGHT SMUDGE		
NGC	6405	Sco	M6	Open Cluster 5.5 II 3 r	CL,L,IR,LC,ST7,10...
	8"	19mmW	F,S,R=F		
NGC	6475	Sco	M7	Open Cluster 7.0 I 3 r	CL,VB,PRI,LC,*7...12
	8"	19mmW	B,L,R=F		
NGC	6494	Sgr	M23	Open Cluster 10.0 II 2 r	CL,B,VL,PRI,LC,*10..
	8"	19mmW	L,R=F		

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NGC	6514	Sgr	M20	H41-4	Nebula EN+OC	VB,VL,TRIFID,D*INV
	8"	19mmW	B,L,FEW STARS,NEBULASITY OK,R=G			
NGC	6523	Sgr	M8		Nebula E	VB,EL,EIF,W/LCL
	8"	19mmW	B,PL,R=G,MORE STARS			
NGC	6531	Sgr	M21		Open Cluster 8.0 I 3 r	CL,PRI,LC,ST9...12
	8"	19mmW	B,S,R=G			
NGC	6603	Sgr	M24		Open Cluster 14.0 I 2	CL,VRI,VMC,R,M WAY
	8"	19mmW	R=F			
NGC	6611	Sgr	M16		Open Cluster 11.0 II 3 m n	CL,ATLEAST100* L\$\$
	8"	19mmW	L,B,R=G			
NGC	6613	Sgr	M18		Open Cluster 8.7 II 3 p n	CL,P,VLC
	8"	19mmW	R=F			
NGC	6618	Sgr	M17		Nebula EN+OC	B,EL,EIF,2HOOKED
	8"	19mmW	L,B,R=G			
NGC	6626	Sgr	M28		Globular	GCL,VB,L,R,GECM,RRR
	8"	19mmW	F,FS,R,R=G, TIGHT GROUP			
NGC	6637	Sgr	M69		Globular	GCL,B,L,R,RRR,*14.16
	8"	19mmW	F,S,R=F,TIGHT GROUP			
NGC	6656	Sgr	M22		Globular	GCL,VB,VL,R,VRI,VMC
	8"	19mmW	B,PL,R=G, RESOLVE OUTER STARS			
NGC	6681	Sgr	M70		Globular	GCL,B,PL,R,GBM,
	8"	19mmW	PF,PS,R=F,TIGHT GROUP			
NGC	6694	Sct	M26		Open Cluster 11.0 II 3 m	CL,CL,PRI,PC,ST12.15
	8"	19mmW	F,S,R=F			
NGC	6705	Sct	M11		Open Cluster 11.0 I 2 r	CL,VB,L,IR,RI,*9,
	8"	19mmW	B,L,R=G			
NGC	6715	Sgr	M54		Globular	GCL,VB,L,R,G,SMBM,
	8"	19mmW	PF,PS,R=F,TIGHT GROUP			
NGC	6720	Lyr	M57		Planetary Neb 4+3	RINGNEB,B,PL,CE,LYRA
	8"	19mmW	B,L,R, R=G			
NGC	6779	Lyr	M56		Globular	GCL,B,L,IR,GVMCM,RRR
	8"	19mmW	F,PS,R,R=F,LOOSELY PACKED			
NGC	6809	Sgr	M55		Globular	GCL,PB,L,R,VRI,VGBM
	8"	19mmW	VF,L,R=F			
NGC	6838	Sge	M71		Globular	CL,VL,VRI,PMC,*11.16
	8"	19mmW	DIFF,F,L,R=F,LOOSELY PACKED			
NGC	6853	Vul	M27		Planetary Neb 3+2	VB,VL,BIN,IE,DUMBEL
	8"	19mmW	B,L,R=G, LONG			

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NGC	6913	Cyg	M29	Open Cluster 9.0 II 3 m n	CL,P,LC,STL\$\$
	8"	19mmW	S,LOOSE,R=F		
NGC	6994	Aqr	M73	Open Cluster 11.1 IV 1 p	CL,EP,VLC,NO NEB
	8"	19mmW	R=P, 4 STARS?		
NGC	7078	Peg	M15	Globular	GCL,VB,VL,IR,VSMBM
	8"	19mmW	B,S,R=G, TIGHT GROUP		
NGC	7089	Aqr	M2	Globular	GCL,B,VL,GPMBM,RRR
	8"	19mmW	B,S,R=G, TIGHT GROUP		
NGC	7092	Cyg	M39	Open Cluster 7.0 III 2 m	CL,VL,VP,VLC,*7...10
	8"	19mmW	S,LOOSE,R=F		

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NGC	1904	Lep	M79	Globular	GCL,PL,ERI,EC,RRR
	8"	19mmW	B,PS,,TIGHT,R=F		
NGC	1952	Tau	M1	Nebula E	VB,VL,E135,VGLBM,R
	8"	19mmW	DIFF,F,L,R=F		
NGC	4192	Com	M98	Galaxy SAB(s)ab	B,VL,VME152,VSVMBM
	8"	19mmW	F,FL,OVAL,NND,UB,R=G		
NGC	4254	Com	M99	Galaxy SA(s)c	B,L,R,GBM,R,3BRSPIRA
	8"	19mmW	F,S,OVAL,NND,R=F		
NGC	4258	CVn	M106 H43-5	Galaxy Sb	VB,VL,VME0,SBMBN
	8"	19mmW	MB,ML,OVAL,FNUC,MSB,,R=F		
NGC	4303	Vir	M61 H139-1	Galaxy SAB(rs)bc	VB,VL,VSBM*,BIN
	8"	19mmW	DIFF,F,L,OVAL,NND,R=F		
NGC	4321	Com	M100	Galaxy SAB(s)bc	PF,VL,R,VG,PSBMRN
	8"	19mmW	F,L,OVAL,NND,R=F		
NGC	4374	Vir	M84	Galaxy E1	VB,PL,R,PSBM,R
	8"	19mmW	B,S,OVAL,NND,R=F		
NGC	4382	Com	M85	Galaxy SA(s)0+ pec	VB,PL,R,BM,*NP
	8"	19mmW	B,L,OVAL,BNUC,R=G		
NGC	4406	Vir	M86	Galaxy E3	VB,L,R,GBMN,R
	8"	19mmW	B,S,R,NND,R=F		
NGC	4472	Vir	M49	Galaxy E2	VB,L,R,MBM,R
	8"	19mmW	B,L,OVAL,BNUC,HISB,R=G		
NGC	4486	Vir	M87	Galaxy E+0-1 pec	VB,VL,R,MBM,3RD OF 3
	8"	19mmW	B,LLARGER,FNUC,R=G		
NGC	4501	Com	M88	Galaxy SA(rs)b	B,VL,VME
	8"	19mmW	B,L,OVAL,FNUC,R=F		
NGC	4548	Com	M91 H120-2	Galaxy SB(rs)b	B,L,LE,LBM
	8"	19mmW	B,L,EON,NND,R=F		
NGC	4552	Vir	M89	Galaxy E0-1	PB,PS,R,GMBM
	8"	19mmW	B,L,R,FNUC,R=G		
NGC	4569	Vir	M90	Galaxy SAB(rs)ab	PL,BMN
	8"	19mmW	F,L,EON,NND,R=F		
NGC	4579	Vir	M58	Galaxy SAB(rs)b	B,L,IR,VMBM,R
	8"	19mmW	F.S.VA;.,NND.R=F		
NGC	4594	Vir	M104 H43-1	Galaxy SA(s)a sp	VB,VL,EE92,VSMBMN
	8"	19mmW	PB,PL,EON,BNUC,HISB,R=G		
NGC	4621	Vir	M59	Galaxy E5	B,PL,LE,VSVMBM,2*P
	8"	19mmW	F,L,OVAL,NND,R=F		

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NGC 4649 8"	Vir 19mmW	M60 F,L,OVAL,NND,R=F	Galaxy E2	VB,PL,R,FOF DNEB
NGC 4736 8"	CVn 19mmW	M94 PB,S,OVAL,BNUC,HISB,R=G	Galaxy (R)SA(r)ab	VB,L,IR,VSVMBMBN,R
NGC 4826 8"	Com 19mmW	M64 PB,PL,EL,OVAL,BNUC,R=G	Galaxy (R)SA(rs)ab	VB,VL,VME120,BMSBN
NGC 5024 8"	Com 19mmW	M53 PB,L,HSB,R=G, DENSE	Globular	GCL,B,VC,IR,VVMBM,
NGC 5055 8"	CVn 19mmW	M63 PB,PL,EON,BNUC,HISB,R=G	Galaxy SA(rs)bc	VB,L,PME120,VSMBMBN
NGC 5194 8"	CVn 19mmW	M51 VB,PL,OVAL,BNUC,R=G	Galaxy SA(s)bc pec	GREAT SPIRAL NEBULA
NGC 5272 8"	CVn 19mmW	M3 PB,PL,R,HSB,R=G	Globular	GCL,EB,VL,VSMBM,*11.
NGC 5457 8"	UMa 19mmW	M101 F,L,OVAL,NND,R=F	Galaxy SAB(rs)cd	PB,VL,IR,G,VSMBMBSN 4
NGC 5866 8"	Dra 19mmW	M102 H215-1 B,S,OVAL,FNUC,MSB,R=F	Galaxy SA0+ sp	VB,CL,PME146,GBM

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M	45	Tau	M45	Open Cluster	
	8"	25mmPL	PB,VL,R=E.	PRETTY NICE	
NGC	205	And	M110 H18-5	Galaxy E5 pec	VB,VL,ME165,VGVMBM
	8"	25mmPL	PB,ML,OVALFNUC,HISB,R=G		
NGC	221	And	M32	Galaxy cE2	VVB,L,R,PSMBMN
	8"	25mmPL	B,S,OVAL,OVAL,R,ND,R=F		
NGC	224	And	M31	Galaxy SA(s)b	EEB,EL,VME,ANDROMEDA 17
	8"	25mmPL	VB,VL,OVAL,BNUC,VHISB,R=E		
NGC	581	Cas	M103	Open Cluster 9.0 II 2 m	CL,PL,B,R,RI,*10..11
	8"	25mmPL	PB,FL,OVAL,R=G.	BRIGHTER STARS	
NGC	598	Tri	M33 H17-5	Galaxy SA(s)cd	EB,EL,R,VGBMN 6
	8"	19mmW	DIFF,L,F,OVAL,NND,R=F		
NGC	650	Per	M76 H193-1	Planetary Neb 3+6	VB,P OF DNEB
	8"	19mmW	PF,L,VLE,R=G		
NGC	1039	Per	M34	Open Cluster 9.0 II 3 r	CL,B,VL,LC,SC ST9
	8"	25mmPL	PB,PL,R=G.	SCATTERED STARS	
NGC	1068	Cet	M77	Galaxy (R)SA(rs)b	VB,PL,IR,SBMRRN
	8"	19mmW	B,FL,OVAL,FNUC,MSB,R=F		
NGC	1432	Tau		Nebula R	EF,VL,DIF, MAIA
	8"	25mmPL	B,VL,IRREGULAR SHAPE,R=G		
NGC	1912	Aur	M38	Open Cluster 8.0 II 2 r	CL,B,VL,VRI,IF,STL\$\$
	8"	25mmPL	B,L,R=G		
NGC	1952	Tau	M1	Nebula E	VB,VL,E135,VGLBM,R
	8"	19mmW	B,L,R=G		
NGC	1960	Aur	M36	Open Cluster 9.0 I 3 r	CL,B,VL,VRI,CL,*9.11
	8"	25mmPL	B,ML,R=G.	BETTER	
NGC	1976	Ori	M42	Nebula EN+RN	THETAORI \$GREAT NEB
	8"	19mmW	PB,PL,R=E		
NGC	1982	Ori	M43 H1-3	Nebula E	VB,VL,RW/TAIL,MBM*8
	8"	19mmW	PB,PL,R=E		
NGC	2068	Ori	M78	Nebula R	B,L,WISP,GMBN,3*INV
	8"	19mmW	B,L,R=F		
NGC	2099	Aur	M37	Open Cluster 11.0 I 2 r	CL,RI,PCM,ST L\$\$
	8"	25mmPL	B,ML,R=E.	TIGHTER GROUP. BEST OF 3	
NGC	2168	Gem	M35	Open Cluster 8.0 III 3 r	CL,VL,CRI,PC,ST9..16
	8"	19mmW	PB,PL,R=G.	LOTS OF STARS	
NGC	2287	CMa	M41	Open Cluster 8.0 I 3 r	CL,VL,B,LC,ST 8...
	8"	25mmPL	B,L,R=G		

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NGC	2323	Mon	M50	Open Cluster 9.0 II 3 r	CL,VL,RI,PC,E,
	8"	25mmPL	B,ML,R=F		
NGC	2422	Pup	M47 H38-8	Open Cluster 5.0 I 3 m	CL,B,VL,PRI,ST L\$\$
	8"	25mmPL	PB,R=G		
NGC	2437	Pup	M46	Open Cluster 10.0 II 2 r	CL,VB,VRI,VL,INV PLN
	8"	25mmPL	B,ML,R=F		
NGC	2447	Pup	M93	Open Cluster 9.0 I 3 r	CL,L,PRI,LC,ST8...13
	8"	25mmPL	B,FS,R=G. SMALL TIGHT GROUP		
NGC	2548	Hya	M48 H22-6	Open Cluster 8.0 I 3 r	CL,VL,PRI,PMC,*9..13
	8"	25mmPL	F,R=F		
NGC	2632	Cnc	M44	Open Cluster 6.0 II 3 m	PRAESEPE CANCRI
	8"	25mmPL	PB,PL,R=G		
NGC	2682	Cnc	M67	Open Cluster 9.0 II 3 r	CL,VB,VL,ERI,LC,*10.
	8"	25mmPL	B,L,R=F		
NGC	3031	UMa	M81	Galaxy SA(s)ab	EB,EL,E156,GSVMBMBN 2
	8"	19mmW	PB,PL,EL,EON,BNUC,R=G		
NGC	3034	UMa	M82 H79-4	Galaxy I0 sp	VB,VL,VME(RAY)
	8"	19mmW	PB,PL,EON,FNUC,R=G		
NGC	3351	Leo	M95	Galaxy SB(r)b	B,L,R,PGMBMN
	8"	19mmW	FB,L,OVAL,RNUC,HISB,R=G		
NGC	3368	Leo	M96	Galaxy SAB(rs)ab	VB,VL,LE,VSVMBM,R
	8"	19mmW	FB,L,OVAL,RNUC,HISB,R=G		
NGC	3379	Leo	M105 H17-1	Galaxy E1	VB,CL,R,PSBM,R
	8"	19mmW	FB,CL,OVAL,BNUC,HISB,R=G		
NGC	3556	UMa	M108 H46-5	Galaxy SB(s)cd sp	CB,VL,VME79,PBM,R
	8"	19mmW	FB,FL,EL,EON,RNUC,R=G		
NGC	3587	UMa	M97	Planetary Neb 3a	PLN,VB,VL,R,VVG,VSBM
	8"	19mmW	PB,L,R,R=G		
NGC	3623	Leo	M65	Galaxy SAB(rs)a	B,VL,ME165,GBMBN
	8"	19mmW	PB,L,EL,OVAL,FNUC,R=G		
NGC	3627	Leo	M66	Galaxy SAB(s)b	B,VL,ME150,MBM,2*NP
	8"	19mmW	PB,PL,EL,OVAL,BNUC,R=G		
NGC	3992	UMa	M109 H61-4	Galaxy SB(rs)bc	CB,VL,PME,SBMBRN
	8"	19mmW	F,FS,OVAL,NND,R=F		
NGC	7654	Cas	M52	Open Cluster 11.0 II 2 r	CL,L,RI,MCM,R,*9..13
	8"	25mmPL	PB,FL,R,R=G		
WINN	4	UMa	M40	Unknown STAR	
	8"	19mmW	R=F		

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NGC	2266 8"	Gem 19mmW	H21-6 MB,S,R=F	Open Cluster 11.0 II 2 m	CL,PS,EC,RI,ST11..15
NGC	2304 8"	Gem 19mmW	H2-6 F,S,R=F	Open Cluster II 1 m	CL,PL,RI,MC,ST VS
NGC	2355 8"	Gem 19mmW	H6-6 B,S,R=F	Open Cluster 13.0 II 2 m	CL,PS,PRI,MC,*15..16
NGC	2395 8"	Gem 19mmW	H11-8 F,S,R=F	Open Cluster 10.0 IV 2 m	CL,PRI,C
NGC	2420 8"	Gem 19mmW	H1-6 ML,PB,R=G	Open Cluster 11.0 I 1 r	CL,CL,RI,C,ST11...18
NGC	2685 8"	UMa 11mmT6		Galaxy (R)SB0+ pec PF,PS,OVAL,NND,R=F	PF,R,F*INCENTRE
NGC	2768 8"	UMa 11mmT6		H250-1 Galaxy E6: MB,ML,OVAL,NND,R=F	CB,CL,LE,PSBMLBN
NGC	2787 8"	UMa 11mmT6		H216-1 Galaxy SB(r)0+ F,PS,R,NND,R=F	B,PL,LE90,MBM,R,*INV
NGC	2841 8"	UMa 11mmT6		H205-1 Galaxy SA(r)b: PB,PL,EON,FNUC,MSB,R=G	VB,L,VME151,VSBMBM*10
NGC	2880 8"	UMa 11mmT6		H260-1 Galaxy SB0- PF,PS,R,NND,R=F	B,CS,R,MBM,AM ST
NGC	2950 8"	UMa 11mmT6		H68-4 Galaxy (R)SB(r)0^ PB,PS,R,FNUC,,R=G	B,PS,R,VGVMBMN
NGC	2976 8"	UMa 11mmT6		H285-1 Galaxy SAc pec DIFF,F,FL,EON,NND,R=F	B,VL,ME152,ST INV
NGC	2985 8"	UMa 11mmT6		H78-1 Galaxy (R')SA(rs)ab PB,FS,OVAL,FNUC,R=G	VB,CL,R,PSMBM,*INV F
NGC	3079 8"	UMa 11mmT6		H47-5 Galaxy SB(s)c sp PF,FL,EON,NND,R=F	VB,L,ME135
NGC	3395 8"	LMI 11mmT6		H116-1 Galaxy SAB(rs)cd pec: VF,VS,R,NND,R=F	CB,PS,ILE,1ST OF 2
NGC	3396 8"	LMI 11mmT6		H117-1 Galaxy IBm pec VF,PS,OVAL,NND,R=F	PB,PS,ILE,2ND OF 2
NGC	3414 8"	LMI 11mmT6		H362-2 Galaxy S0 pec MB,FS,OVAL,FNUC,R=G	B,PL,R,MBM
NGC	4565 31"	Com 31mmT5		H24-5 Galaxy SA(s)b? sp VB,VL,EON,BNUC,HISB,R=G	B,EL,EE135,VSBMN=*10
NGC	7510 8"	Cep 19mmW		H44-7 Open Cluster 10.0 II 3 r n B,S,R=G	CL,PRI,PC,FAN-SH,B*P

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IC	836	Dra	Galaxy S		
	31"	17mmT4	PB,PL,EON,FNUC,HISB,R=G		
MAC	1039+4754	UMa	Galaxy		
	31"	17mmT4	VF,VS,R,NND,AV,R=F		
MAC	1043+4053	UMa	Galaxy		
	31"	17mmT4	VF,VS,R,NND,AV,R=F		
MAC	1120+1340	Leo	Galaxy		
	31"	17mmT4	FB,FL,OVAL,NND,R=G		
MAC	1132+5307	UMa	Galaxy		
	31"	17mmT4	PF,VS,R,NND,R=F		
MAC	1133+5307A	UMa	Galaxy		
	31"	17mmT4	VF,VS,OVAL,NND,AV,RF=F		
MAC	1133+5307B	UMa	Galaxy		
	31"	17mmT4	VF,VS,R,NND,AV,R=F		
MAC	1133+5308	UMa	Galaxy		
	31"	17mmT4	VF,VS,R,NND,AV,R=F		
MAC	1236+7415	Dra	Galaxy		
	31"	17mmT4	VF,VS,R,NND,AV,R=F		
MAC	1237+7417	Dra	Galaxy		
	31"	17mmT4	VF,FS,R,NND,R=F		
NGC	2371	Gem	H316-2 Planetary Neb 3a+2	B,S,R,BMN,P OF DNEB	
	31"	19mmW	FAIRLY LONG, ELONG,MSB,R=G		
NGC	3403	Dra	H335-2 Galaxy SAbc:	PF,L,IE,VGBM	
	31"	17mmT4	MB,FS,OVAL,NND,LSB.R=F		
NGC	3465	Dra	H967-3 Non-Existent	EF,PL,R,VGLBM,**NF	
	31"	17mmT4	MF,FS,R,FNUC,MSB,R=F		
NGC	3523	Dra	H904-2 Galaxy Sbc	F,PL,LBM,	
	31"	17mmT4	DIFF,B,ML,R,NND,R=F		
NGC	3718	UMa	H221-1 Galaxy SB(s)a pec	PB,VL,R,VGLBM	
	31"	17mmT4	VB,VL,OVAL,BNUC,HISB,R=G		
NGC	3729	UMa	H222-1 Galaxy SB(r)a pec	PB,PL,LE0,GBM,*12NR	
	31"	17mmT4	FB,FL,R,BNUC,HISB,R=G		
NGC	3879	Dra	H881-2 Galaxy Sdm:	F,PL,ME105	
	31"	17mmT4	FB,FL,EON,FNUC,MSB,R=G		
NGC	3890	Dra	H940-3 Galaxy S?	VF,S,R,BM	
	31"	17mmT4	FB,FL,R,BNUC,FHISB,R=G		
NGC	3961	Dra	H905-3 Galaxy (R)SB(r)a:	EF,VS	
	31"	17mmT4	FB,FL,OVALM,FNUC,MSB,R=G		

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NGC	4545	Dra	H850-2	Galaxy SB(s)cd:	F,L,IR,VGBM,S*NF
	31"	17mmT4	PB,PL,OVAL,FNUC,PHISB,R=G		
NGC	4572	Dra	H939-3	Galaxy S	EF,S
	31"	17mmT4	PF,FL,EON,NND,R=F		
NGC	4589	Dra	H273-1	Galaxy E2	CB,L,LE,PGMBM
	31"	17mmT4	VB,FL,OVAL,BNUC,HISB,R=G		
NGC	4648	Dra	H274-1	Galaxy E3	PB,CS,R,GBM,**P
	31"	17mmT4	VB,FL,OVAL,BNUC,HISB,R=G		
NGC	4693	Dra	H906-3	Galaxy Sd	VF,PLE
	31"	17mmT4	MB,ML,EON,UB,NND,R=G		
NGC	4749	Dra	H907-3	Galaxy Sb? sp	VF,CL,E135
	31"	17mmT4	MB,ML,EON,UB,NND,R=G		
NGC	4750	Dra	H78-4	Galaxy (R)SA(rs)ab	PB,L,R,VG,VSBM
	31"	17mmT4	VB,VL,R,BNUC,HISB,R=G		
NGC	4857	Dra	H908-3	Galaxy SABb	EF,VS,IR,VLBM
	31"	17mmT4	PB,FL,OVAL,FNUC,MSB,R=G		
PGC	20977	Gem		Galaxy	
	31"	19mmW	PF,PS,EON,NND,R=F		
PGC	20988	Gem		Galaxy Double System	
	31"	19mmW	VF,PS,R,NND,R=F		
PGC	21032	Gem		Galaxy Sb	
	31"	19mmW	VF,VS,OVAL,NND,R=F		
PGC	21064	Gem		Galaxy	
	31"	19mmW	PF,FS,OVA,NND,R=F		
PGC	31697	UMa		Galaxy S?	
	31"	17mmT4	PB,PL,EON,BNUC,HISB,R=G		
PGC	31720	UMa		Galaxy S?	
	31"	17mmT4	PB,PL,EON,BNUC,HISB,R=G		
PGC	31959	UMa		Galaxy SBb	
	31"	17mmT4	PB,PL,EON,BNUC,HISB,R=G		
PGC	31965	UMa		Galaxy S0/a	
	31"	17mmT4	PB,PL,EON,FNUC,MSB,R=G		
PGC	33277	Dra		Galaxy Sab	
	31"	17mmT4	FF,PS,EL,NND,R=F		
PGC	34303	UMa		Galaxy S0	
	31"	17mmT4	PB,PL,R,BNUC,HISB,R=G		
PGC	34733	UMa		Galaxy Sd	
	31"	17mmT4	FB,FL,EOB,FNUC,MSB,R=G		

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PGC	34768	UMa	Galaxy SB(s)ab
	31"	17mmT4 FB,FL,R,FNUC,MSB,R=G	
PGC	35609	UMa	Galaxy SB0 pec:
	31"	17mmT4 FF,PS,OVAL,NND,R=F	
PGC	35615	UMa	Galaxy SA(s)0/a pec:
	31"	17mmT4 PB,FS,R,NND,R=G	
PGC	35618	UMa	Galaxy (R')S0/a pec:
	31"	17mmT4 PB,FS,OVAL,FNUC,MSB,R=G	
PGC	35620	UMa	Galaxy Sa pec sp
	31"	17mmT4 PB,FS,OVA,FNUC,MSB,R=G	
PGC	35631	UMa	Galaxy S?
	31"	17mmT4 PF,PL,EON,NND,R=F	

Observations Listing by Date

February 20, 2006 Hidden Hollow - RAS

B	33	Ori	Nebula Ir	
	31"	31mmT5	MB,VL,R=E!!!, HYDROGEN BETA FILTER.	
IC	420	Ori	Nebula R	
	31"	31mmT5	F,VS,R=F, OIII	
IC	424	Ori	Nebula R	
	31"	31mmT5	VF,VS,R=F, OIII	
IC	426	Ori	Nebula R	
	31"	31mmT5	MB.ML,R=F, OIII	
MAC	0511-1505	Lep	Galaxy	
	31"	17mmT4	VF,VS,OVAL,NND,AV,R=F	
NGC	1821	Lep	Galaxy IB(s)m	VF,VS,LE
	31"	17mmT4	MB,MS,OVAL,FNUC,R=G	
NGC	1975	Ori	Nebula E	B**INV IN NEB
	31"	31mmT5	MB,ML,R=G, OIII	
NGC	1977	Ori	H30-5	Open Cluster
	31"	31mmT5	B,R=F, STARS LIGHT UP B.N., OIII	42ORIONIS\$NEB
NGC	1999	Ori	H33-4	Nebula E
	31"	31mmT5	MB.ML,R=F, OIII	*10,11INV IN NEB
PGC	782	Psc	Galaxy SBa	
	31"	17mmT4	DIFF,B,ML,OVAL,FNUC,R=F	
PGC	15620	Eri	Galaxy (R')SB(rs)0+:	
	31"	17mmT4	MB,ML,R,FNUC,MSB,R=G	
PGC	15624	Eri	Galaxy S?	
	31"	17mmT4	MF,MS,OVAL,NND,R=F	
PGC	15631	Eri	Galaxy (R')SAB(rs)0+:	
	31"	17mmT4	MB,ML,OVAL,FNUC,R=G	
PGC	15636	Eri	Galaxy S	
	31"	17mmT4	MF,MS,OVAL,FNUC,R=F	
PGC	20695	Gem	Galaxy Sa:	
	31"	17mmT4	MF,ML,R,NND,R=F	
PGC	20881	Gem	Galaxy SB?	
	31"	17mmT4	MB,MS,R,FNUC,MSB,R=G	
PGC	21475	Lyn	Galaxy Scd:	
	31"	17mmT4	VF,MS,OVAL,PATCHY,NND,R=F	
PGC	22373	Lyn	Galaxy E	
	31"	17mmT4	MB,ML,OVAL,FNUC,MSB,R=F	
PGC	22376	Lyn	Galaxy S0	
	31"	17mmT4	MB,MS,OVAL,NND,R=F	

Observations Listing by Date

February 20, 2006 Hidden Hollow - RAS

PK 158+17.1 FIX Planetary Neb 3
 31" 17mmT4 DIFF,VS,R=F, OIII FILTER

January 26, 2006 Hidden Hollow - RAS

IC 410	Aur	Nebula E	DIF, MANY ST INV
8"	19mmW	NEBULA ASSOCIATED WITH NGC 1893	
NGC 1081	Eri	Galaxy SB(s)b?	EF,PS,R
8"	11mmT6	VF,VS,EL,EON,NND,AV,R=F	
NGC 1084	Eri	H64-1 Galaxy SA(s)c	VB,PL,E,GPMBM
8"	11mmT6	MB,ML,OVAL,NND,R=F	
NGC 1172	Eri	H502-2 Galaxy E+:	PF,PL,R,PSBM
8"	11mmT6	VF,VS,OVAL,NND,AV,R=F	
NGC 1187	Eri	H245-3 Galaxy SB(r)c	PF,CL,PME,GBM*16,R
8"	11mmT6	MF,MS,OVAL,NND,R=F	
NGC 1199	Eri	H503-2 Galaxy E3:	CB,PS,IR,SMBM
8"	11mmT6	VF,VS,R,NND,AV,R-F	
NGC 1232	Eri	H258-2 Galaxy SAB(rs)c	PB,CL,R,GBM,R
8"	11mmT6	DIFF,VF,ML,R,NND,R=F	
NGC 1241	Eri	H286-2 Galaxy SB(rs)b	F,PL,R,VGLBM,*9N
8"	11mmT6	DIFF,VF,MS,OVAL,NND,R=F	
NGC 1300	Eri	Galaxy SB(rs)bc	CB,VL,VME,PSVMBM
8"	11mmT6	VF,MS,R,NND,AV,R=F	
NGC 1417	Eri	H455-2 Galaxy SAB(rs)b	PF,PL,LE,LBM,*SF
8"	11mmT6	VF,MS,OVAL,NND,R=F	
NGC 1664	Aur	H59-8 Open Cluster 10.0 III 1 p	CL,LRI,LC,PL
8"	19mmW	R=F,NOT TOO BAD	
NGC 1778	Aur	H61-8 Open Cluster 10.1 III 2 p	CL,PC,LRI,IF,ST L
8"	19mmW	R=P FEW STARS	
NGC 1857	Aur	H33-7 Open Cluster 11.0 I 3 m	CL,PRI,PC,ST7...
8"	19mmW	R=P, FEW STARS	
NGC 1883	Aur	H34-7 Open Cluster 14.0 II 1 m	CL,VF,PRI,PC,IF
8"	19mmW	R=F, FAINT TIGHT GROUP	
NGC 1893	Aur	Open Cluster 9.3 II 3 r n	CL,L,RI,LC
8"	19mmW	R=F,DECENT *STARS	
NGC 1907	Aur	H39-7 Open Cluster 11.0 I 1 m n	CL,PRI,PC,R,ST9...12
8"	19mmW	R=G, SMALL, TIGHT, BRIGHT	
NGC 2126	Aur	H68-8 Open Cluster 13.0 III 2 m	CL,NOT RI,*7M NORTH
8"	19mmW	R=F, SMALL, LOOSE , GROUP	
NGC 2192	Aur	H57-7 Open Cluster 14.0 II 2 m	CL,CL,C,IF,ST VS
8"	19mmW	R=F, SMALL, LOOSE , GROUP	

Observations Listing by Date

December 7, 2005 Hidden Hollow - RAS

B	33	Ori	Nebula Ir
	31"	31mmT5	VDARK,LIGHTBACKGROUND, AWESOME!
IC	405	Aur	Nebula E
	8"	11mmT6	DARK DUSTLANE LOW SURFACE BRIGHTNESS
IC	1924	Hor	Galaxy S
	31"	19mmW	MB,ML,OVAL,NND,MSB,R=G

Observations Listing by Date

November 2, 2005 Hidden Hollow - RAS

IC	200	Tri	Galaxy	
	31"	19mmW	PF,ML,R,NND,R=F	
MAC	0007+2733	Peg	Galaxy	
	31"	19mmW	VF,VS,OVAL,NND,R=F	
MAC	0205+3043	Tri	Galaxy	
	31"	19mmW	PF,FL,EL,OVAL,NND,AV,R=F	
MAC	0206+3107	Tri	Galaxy	
	31"	19mmW	VF,VS,EL,NND,AV,R=F	
NGC	1	Peg	Galaxy SA(s)b:	F,S,R,BET*11\$*14 VF,
	31"	19mmW	MB,ML,OVAL,FNUC,MSB,R=G	
NGC	2	Peg	Galaxy Sab	VF,S,S OF1
	31"	19mmW	F,ML,EL,NND,R=F	
NGC	9	Peg	Galaxy Sb: pec	F,R,*9,10 SF
	31"	19mmW	PF,FL,OVAL,NND,R=F	
NGC	15	Peg	Galaxy Sa	VF,VS,R,BM
	31"	19mmW	MB,ML,EL,OVAL,FNUC,MSB,R=G	
NGC	16	Peg	H15-4 Galaxy SAB0- sp	PB,S,R,BM
	31"	19mmW	VB,ML,EON,OVAL,BNUC,HISB,R=G	
NGC	22	Peg	Galaxy Sb	VF,PS,R,LBM,R
	31"	19mmW	MB,ML,R,NND,R=F	
NGC	41	Peg	Galaxy S?	PF,S,LE,GBM
	31"	19mmW	MB,ML,OVAL,FNUC,MSB,R=G	
NGC	42	Peg	Galaxy S0-:	F,VS,STELL
	31"	19mmW	MB,FS,OVAL,NND,R=F	
NGC	52	Peg	H183-3 Galaxy S?	VF,S,E
	31"	19mmW	PF,PL,EON,NND,R=F	
NGC	789	Tri	Galaxy S?	VF,S,LE
	31"	19mmW	MB,PL,R,FNUC,MSB,R=G	
NGC	798	Tri	Galaxy E	EF,VS
	31"	19mmW	MB,ML,EON,FNUC,MSB,R=G	
NGC	805	Tri	Galaxy SB0	EF,ES,R,2*14P
	31"	19mmW	MB,FS,OVAL,FNUC,R=F	
NGC	807	Tri	H151-3 Galaxy E	VF,VS,IR,BET2*N\$SP
	31"	19mmW	PB,FS,R,FNUC,MSB,R=G	
NGC	1070	Cet	H273-2 Galaxy Sb	PF,S,IR,GBM
	31"	19mmW	PB,PL,OVAL,FNUC,MSB,R=G	
NGC	7803	Peg	Galaxy S0/a	PF,PS,R,F*NP VNR
	31"	19mmW	PB,PL,OVAL,FNUC,MSB,R=G	

Observations Listing by Date

November 2, 2005 Hidden Hollow - RAS

NGC	7805	Peg	H855-3	Galaxy SAB0[^]: pec	EF,S,R,SBM,SP OF 2
	31"	19mmW	PB,PL,OVAL,FNUC,MSB,R=G		
NGC	7806	Peg	H856-3	Galaxy SA(rs)bc? pec	EF,S,R,NF OF 2,STELL
	31"	19mmW	PB,PL,EL,OVAL,FNUC,MSB,R=G		
NGC	7810	Peg	H984-3	Galaxy S0	PF,STELL,2*NP INLINE
	31"	19mmW	PBML,OVAL,FNUC,MSB,R=G		
NGC	7819	Peg		Galaxy SB(s)b	EF,L
	31"	19mmW	PF,ML,OVAL,NND,R=F		
PAL	13	Peg		Globular	
	31"	19mmW	PF,PS,PATCHY,R=F, CAN'T RESOLVE STARS		
PGC	108	Peg		Galaxy S?	
	31"	19mmW	MF,PL,OVAL,NND,R=F		
PGC	134	Peg		Galaxy	
	31"	19mmW	PF,PS,R,NND,R=F		
PGC	619	Peg		Galaxy Scd:	
	31"	19mmW	MF,ML,OVAL,NND,R=F		
PGC	847	Peg		Galaxy Sa	
	31"	19mmW	PF,PS,EL,OVAL,R=F		
PGC	878	Peg		Galaxy S?	
	31"	19mmW	B,ML,OVAL,FNUC,R=F		
PGC	911	Peg		Galaxy S	
	31"	19mmW	VF,VS,R,NND,AV,R=F		
PGC	7888	Tri		Galaxy	
	31"	19mmW	B,ML,R,NND,R=F		
PGC	7931	Tri		Galaxy S?	
	31"	19mmW	VF,VS,OVAL,NND,AV,R=F		
PGC	7967	Tri		Galaxy SBbc	
	31"	19mmW	MB,ML,OVAL,FNUC,MSB,R=G		
PGC	8013	Tri		Galaxy S0-:	
	31"	19mmW	PB,FL,OVAL,FNUC,MSB,R=G		
PGC	8019	Tri		Galaxy S?	
	31"	19mmW	FB,FL,EON,FNUC,MSB,R=G		
PGC	8040	Tri		Galaxy SAB0[^]	
	31"	19mmW	FB,ML,OVAL,FNUC,MSB,R=G		

Observations Listing by Date

October 30, 2005 Hidden Hollow - RAS

IC	235	Ari	Galaxy Pec
	31"	17mmT4 MF,MS,R,NND,R=F	
IC	238	Ari	Galaxy S0
	31"	17mmT4 MB,ML,EL,OVAL,RNUC,R=G	
IC	248	Ari	Galaxy Sa:
	31"	17mmT4 MB,ML,OVAL,FNUC,R=G	
IC	1809	Ari	Galaxy (R')SB(s)ab
	31"	17mmT4 MF,MS,OVAL,NND,R=F	
IC	1817	Ari	Galaxy Sm
	31"	17mmT4 VF,VS,R,NND,AV,R=F	
IC	1821	Ari	Galaxy
	31"	17mmT4 VF,VS,OVAL,NND,AV,R=F	
IC	1832	Ari	Galaxy S0
	31"	17mmT4 VF,VS,R,NND,R=F	
IC	1835	Ari	Galaxy
	31"	17mmT4 VF,VS,R,NND,R=F	
IC	1838	Ari	Galaxy S
	31"	17mmT4 VF,ML,OVAL,NND,R=F	
IC	1839	Ari	Galaxy Sb-c
	31"	17mmT4 MF,MS,EL,NND,R=F	
IC	1841	Ari	Galaxy SBb
	31"	17mmT4 MF,MS,OVAL,NND,R=F	
IC	1842	Ari	Galaxy
	31"	17mmT4 MF,MS,EL,NND,R=F	
IC	1847	Ari	Galaxy
	31"	17mmT4 VF,VS,R,NND,AV,R=F	
IC	5312	Peg	Galaxy Sb
	31"	17mmT4 MF,MS,R,NND,R=F	
IC	5314	Peg	Galaxy C
	31"	17mmT4 MF,MS,R,NND,R=F	
IC	5315	Peg	Galaxy E?
	31"	17mmT4 MB,VS,R,FNUC,MSB,R=G	
MAC	0009+3316	And	Galaxy
	31"	17mmT4 VF,VS,R,NND,AV,R=F	
MAC	0048+3157	And	Galaxy
	31"	17mmT4 VF,VS,OVAL,NND,AV,R=F	
MAC	0124+3319	Psc	Galaxy
	31"	17mmT4 MF,VS,OVAL,NND,R=F	

Observations Listing by Date

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MAC	0244+1924	Ari	Galaxy	
	31"	17mmT4	VF,VS,R,NND,R=F	
MAC	0245+1855	Ari	Galaxy	
	31"	17mmT4	VF,VS,OVAL,NND,AV,R=F	
MAC	2320+2712	Peg	Galaxy	
	31"	17mmT4	VF,VS,OVAL,NND,R=F	
MAC	2320+2714	Peg	Galaxy	
	31"	17mmT4	VF,VS,R,NND,AV,R=F	
MAC	2321+0815	Peg	Galaxy	
	31"	17mmT4	F,VS,OVAL,FNUC,R=F	
MAC	2321+2551	Peg	Galaxy	
	31"	17mmT4	VF,VS,R,NND,R=F	
NGC	20	And	Galaxy S0-:	F,*10ATT
	31"	17mmT4	VB,ML,OVAL,FNUC,MSB,R=G	
NGC	262	And	Galaxy SA(s)0/a:	EF,VS,R,V DIFFIC
	31"	17mmT4	MF,ML,R,NND,R=F	
NGC	477	And	H577-3 Galaxy SAB(s)c	VF,PS,VLE,VGLBM
	31"	17mmT4	MF,ML,OVAL,NND,R=F	
NGC	507	Psc	H159-3 Galaxy SA(r)0^	VF,PL,R,BM,S OF 2
	31"	17mmT4	VB,VL,R,FNUC,MSB,R=G	
NGC	508	Psc	H160-3 Galaxy E0:	VF,S,N OF 2
	31"	17mmT4	VB,VL,R,FNUC,MSB,R=G	
NGC	910	And	H571-3 Galaxy E+	VF,PS,STELLAR
	31"	17mmT4	VB,ML,R,FNUC,MSB,R=G	
NGC	911	And	Galaxy E	EF,VS,R,BM
	31"	17mmT4	MB,ML,EL,FNUC,MSB,R=G	
NGC	978A	Tri	Non-Existent	
	31"	17mmT4	MB,ML,EON,OVAL,NND,R=G	
NGC	978B	Tri	Galaxy S0	
	31"	17mmT4	B,LITTLES SMALLER,OVAL,NND,R=F	
NGC	1036	Ari	H475-3 Galaxy Pec?	F,S,R,LBM
	31"	17mmT4	MB,ML,OVAL,NND,R=G	
NGC	7528	Peg	Galaxy	F,S
	31"	17mmT4	MF,MS,OVAL,NND,R=F	
NGC	7553	Peg	Non-Existent	
	31"	17mmT4	VF,VS,OVAL,NND,AV,R=F	
NGC	7595	Peg	Galaxy	F,STELLAR
	31"	17mmT4	MF,MS,OVAL,NND,R=F	

Observations Listing by Date

October 30, 2005 Hidden Hollow - RAS

NGC 7619 31"	Peg 17mmT4	H439-2 VB,ML,R,FNUC,MSB,R=G	Galaxy E	CB,PS,R,PSBM
NGC 7620 31"	Peg 17mmT4	H435-3 MB,ML,R,FNUC,MSB,R=G	Galaxy Scd:	F,S,VLE
NGC 7621 31"	Peg 17mmT4	H440-2 VF,VS,EL,NND,AV,R=F	Galaxy S	EF,VS,STELLAR
NGC 7623 31"	Peg 17mmT4	H435-3 VB,VL,OVAL,FNUC,MSB,R=G	Galaxy SA0^:	F,VS,R,PSBM
NGC 7624 31"	Peg 17mmT4	H440-2 MB,ML,OVAL,NND,MSB,R=G	Galaxy Scd:	VF,LEORIR,DIF,VLBM
NGC 7626 31"	Peg 17mmT4	H440-2 VB,ML,R,FNUC,MSB,R=G	Galaxy E pec:	CB,PS,R,PSBM
NGC 7628 31"	Peg 17mmT4	H440-2 MB,ML,OVAL,FNUC,MSB,R=G	Galaxy E	VF,S,R,BM
NGC 7630 31"	Peg 17mmT4	H440-2 VF,VS,EL,NND,R=F	Galaxy S?	F,S
NGC 7631 31"	Peg 17mmT4	H440-2 MB,ML,EL,NND,R=F	Galaxy SA(r)b:	VF,VS
PGC 3777 31"	Psc 17mmT4	H440-2 VF,VS,OVAL,NND,R=F	Galaxy S	
PGC 4878 31"	And 17mmT4	H440-2 VF,VS,R,NND,AV,R=F	Galaxy Sc	
PGC 9180 31"	And 17mmT4	H440-2 MF,MS,EL,NND,R=F	Galaxy SBa	
PGC 9203 31"	And 17mmT4	H440-2 MB,MS,EL,OVAL,NND,R=F	Galaxy C	
PGC 9764 31"	Ari 17mmT4	H440-2 VF,MS,EL,NND,R=F	Galaxy S	
PGC 68617 31"	Peg 17mmT4	H440-2 MB,ML,EON,FNUC,R=F	Galaxy Sbc	

Observations Listing by Date

October 5, 2005		Hidden Hollow - RAS	
IC	1368 31"	Aqr 17mmT4	Galaxy Sa? sp VF,VS,EL,EON,NND,R=F
IC	1370 31"	Aqr 17mmT4	Galaxy C VF,VS,EL,EON,NND,R=F
IC	1370 31"	Aqr 17mmT4	Galaxy C VF,VS,R,NND,R=F
IC	1373 31"	Aqr 17mmT4	Galaxy VF,VS,OVAL,NND,R=F
IC	1374 31"	Aqr 17mmT4	Galaxy S VF,VVS,OVAL,NND,R=F
IC	1381 31"	Aqr 17mmT4	Galaxy SB EF,VS,R,NND,AV,R=F
IC	1383 31"	Aqr 17mmT4	Galaxy VF,ES,R,NND,R=F
IC	1384 31"	Aqr 17mmT4	Galaxy Irr VF,VS,R,NND,R=F
IC	1385 31"	Aqr 17mmT4	Galaxy SBcd VVF,VS,R,NND,AV,R=F
IC	1387 31"	Aqr 17mmT4	Galaxy F,PS,OVAL,NND,R=F
IC	1387 31"	Aqr 17mmT4	Galaxy VF,ML,OVAL,NND,R=F
IC	1388 31"	Aqr 17mmT4	Galaxy PF,VS,R,FNUC,R=F
IC	1390 31"	Aqr 17mmT4	Galaxy B R PF,PS,R,NND,AV,R=F
IC	1391 31"	Aqr 17mmT4	Galaxy E PF,PS,OVAL,NND,R=F
IC	1401 31"	Aqr 17mmT4	Galaxy SAB(r)bc: MF,ML,EL,NND,MHISB,R=F
IC	1405 31"	Aqr 17mmT4	Galaxy SBab F,ML,OVAL,NND,R=F
IC	1406 31"	Aqr 17mmT4	Galaxy PF,VS,OVAL,NND,R=F
IC	1411 31"	Aqr 17mmT4	Galaxy E PB,ML,OVAL,BNUC,HISB,R=G
IC	1417 31"	Aqr 17mmT4	Galaxy Sb? sp PB,PL,EL,FNUC,R=G

Observations Listing by Date

October 5, 2005

Hidden Hollow - RAS

IC	1421	Aqr	Galaxy	
	31"	17mmT4	PF,PS,R,NND,R=F	
IC	5111	Aqr	Galaxy Sa	
	31"	17mmT4	EF,VS,OVAL,NND,AV,R=F	
MAC	2120-0448	Aqr	Galaxy	
	31"	17mmT4	VF,VVS,R,NND,AV,R=F	
MAC	2142-0646	Aqr	Galaxy	
	31"	17mmT4	VVF,VS,R,NND,AV,R=F	
MAC	2153+0211	Aqr	Galaxy	
	31"	17mmT4	VF,VS,R,NND,AV,R=F	
MAC	2202-0955	Aqr	Galaxy	
	31"	17mmT4	PF,VS,R,NND,R=F	
NGC	7108	Aqr	Galaxy E	VF,S,R,STELL
	31"	17mmT4	F,ML,OVAL,DIFF,FNUC,R=F	
NGC	7171	Aqr	H692-3 Galaxy SB(rs)b	VF,CL,E124,VGBM
	31"	17mmT4	F,PL,EL,OVAL,NND,R=F	
PGC	66590	Aqr	Galaxy SBcd:	
	31"	17mmT4	VF,ML,EL,NND,R=F	
PGC	66940	Aqr	Galaxy S	
	31"	17mmT4	PF,PS,R,NND,AV,R=F	

Observations Listing by Date

September 27, 2005 Hidden Hollow - RAS

IC	1330	Aqr	Galaxy Sc? sp	
	31"	17mmT4	VB,M<EL,EON,FNUC,MSB,R=G	
IC	1331	Aqr	Galaxy (R')SB(r)0/a:	
	31"	17mmT4	MB,ML,EL,EON,FNUC,MSB,R=G	
IC	1341	Aqr	Galaxy S0	
	31"	17mmT4	VF,ML,OVAL,NND,R=F	
IC	1342	Aqr	Galaxy S?	
	31"	17mmT4	VB,VL,OVAL,FNUC,MSB,R=G	
IC	1344	Aqr	Galaxy	
	31"	17mmT4	MB,ML,EL,EON,FNUC,MSB,R=G	
IC	1347	Aqr	Galaxy S0^ pec:	
	31"	17mmT4	MB,ML,R,FNUC,R=G	
IC	1348	Aqr	Galaxy	F, VS, R, BM
	31"	17mmT4	VF,MS,R,NND,R=F	
IC	1350	Aqr	Galaxy S	
	31"	17mmT4	MB,ML,R,FNUC,MSB,R=F	
IC	1357	Aqr	Galaxy (R')SB(s)a:	
	31"	17mmT4	MF,ML,EL,NND,R=F	
IC	5050	Aqr	Galaxy SAB(r)b:	
	31"	17mmT4	MF,VS,OVAL,NND,R=G	
IC	5090	Aqr	Galaxy Sa pec?	
	31"	17mmT4	VB,ML,OVAL,RNUC,R=G	
MAC	2059-1421	Aqr	Galaxy	
	31"	17mmT4	VF,VS,OVAL,NND,AV,R=F	
MAC	2100-1425	Aqr	Galaxy	
	31"	17mmT4	VF,VS,OVAL,FNUC,MSB,R=F	
MAC	2100-1428	Aqr	Galaxy	
	31"	17mmT4	VF,VS,R,NND,AV,R=F	
MAC	2101-1315	Aqr	Galaxy	
	31"	17mmT4	MB,ML,R,FNUC,MSB,R=G	
MAC	2101-1315A	Aqr	Galaxy	
	31"	17mmT4	MB,ML,R,FNUC,MSB,R=G	
MAC	2101-1316	Aqr	Galaxy	
	31"	17mmT4	MB,LS,R,NND,MSB,R=F	
MAC	2103-1124	Aqr	Galaxy	
	31"	17mmT4	VF,VS,OVAL,NND,R=F	
MAC	2104-1122	Aqr	Galaxy	
	31"	17mmT4	VF,VS,OVAL,NND,R=F, 17TH MAG.	

Observations Listing by Date

September 27, 2005 Hidden Hollow - RAS

MAC	2105-1037	Aqr		Galaxy	
	31"	17mmT4	VF,VS,R,NND,AV,R=F		
MAC	2105-1040	Aqr		Galaxy	
	31"	17mmT4	VF,VS,R,NND,AV,R=F		
MAC	2110-0351	Aqr		Galaxy	
	31"	17mmT4	MB,ML,OVAL,FNUC,R=F		
NGC	7009	Aqr	H1-4	Planetary Neb 4+6	PLN,VB,S,ELLIPTIC
	31"	17mmT4	VB,VL,OVAL,HISB,R=G!!		
PEASE 1		Peg		Planetary Neb 1	
	31"	17mmT4	VB,VS,R=F		
PGC	65308	Aqr		Galaxy L	
	31"	17mmT4	VB,ML,OVAL,FNUC,MSB,R=G		
PGC	65331	Aqr		Galaxy SBbc	
	31"	17mmT4	VF,VS,R,NND,AV,R=F		
PGC	65391	Aqr		Galaxy Scd	
	31"	17mmT4	VF,VS,OVAL,NND,R=F		
PGC	65923	Cap		Galaxy SB(rs)0+ pec:	
	31"	17mmT4	MB,ML,OVAL,FNUC,MSB,R=F		
PGC	66242	Aqr		Galaxy SB(rs)bc:	
	31"	17mmT4	VF,VL,OVAL,PATCH,NND,R=F		
PGC	66265	Aqr		Galaxy	
	31"	17mmT4	VS,VF,R,NND,R=F		
PGC	66279	Aqr		Galaxy E	
	31"	17mmT4	MF,ML,R,NND,R=F		

Observations Listing by Date

September 7, 2005 Hidden Hollow - RAS

IC	1396	Cep	Open Cluster II3mn	
	8"	19mmW	**STARS,BRIGHT, NICE DUST LANES,R=G	
NGC	4125	Dra	Galaxy E6 pec	PB,PL,CE,MBM
	8"	11mmT6	MB,ML,OVAL,FNUC,MSB,R=G	
NGC	5985	Dra	H766-2 Galaxy SAB(r)b	PB,CL,IE,R
	8"	11mmT6	MB,ML,EL,OVAL,FNUC,MSB,R=G	
NGC	6015	Dra	H739-3 Galaxy SA(s)cd	VF,PL,R,VGBM
	8"	11mmT6	VF,VS,EL,OVAL,NND,R=F	
NGC	6140	Dra	H740-3 Galaxy SB(s)cd pec	CF,PL,IR
	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F	
NGC	6340	Dra	H767-2 Galaxy SA(s)0/a	CF,PL,R,VGMBM
	8"	11mmT6	MB,ML,R,FNUC,MSB,R=G	
NGC	6643	Dra	Galaxy SA(rs)c	PB,PL,E50,2ST P
	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F	
NGC	7354	Cep	H705-2 Planetary Neb 4+3b	PLN,B,S,R,PGVLBM
	8"	11mmT6	MB,ML,R,MSB,R=G	

Observations Listing by Date

September 4, 2005 Hidden Hollow - RAS

NGC 691	Ari	H617-2	Galaxy SA(rs)bc	F,CL,VGLBM
8"	7.5mmW	VF,VS,OVAL,NND,AV,R=F		
NGC 697	Ari	H179-3	Galaxy SAB(r)c:	F,CL,E,MBM
8"	11mmT6	VF,VS,EL,NND,AV,R=F		
NGC 821	Ari	H152-1	Galaxy E6?	PB,VS,VLE,SVMBM,*NP
8"	11mmT6	MF,MS,OVAL,FNUC,R=G		
NGC 1012	Ari	H152-3	Galaxy S0/a?	F,PS,IR,BM,ST INV
8"	11mmT6	MF,MS,OVARL,NND,R=F		
NGC 1024	Ari	H592-2	Galaxy (R')SA(r)ab	PF,S,LE,BM,*11NF 1'
8"	11mmT6	MF,ML,OVAL,NND,AV,R=F		
NGC 1156	Ari	H619-2	Galaxy IB(s)m	PB,CL,PME0,BET2*
8"	7.5mmW	VF,ML,OVAL,NND,AV,R=F		
NGC 7512	Peg		Galaxy E	F,S,R,VS*IN CENTRE
8"	11mmT6	VF,VS,NND,LSB,R=F		
NGC 7514	Peg		Galaxy S?	EF,PL,IR
8"	11mmT6	VF,VS,NND,AV,R=F		
NGC 7515	Peg	H220-3	Galaxy S?	F,CS,R,VGLBM,R
8"	11mmT6	VF,VS,R,NND,AV,R=F		
NGC 7539	Peg		Galaxy S0	F,S,R,PSBM
8"	7.5mmW	VF,VS,R,NND,AV,R=F		
NGC 7563	Peg	H222-3	Galaxy SBa	PF,CS,R,SBM*16,SFOF2
8"	7.5mmW	VF,OVAL,NND,AV,R=F		
NGC 7653	Peg		Galaxy Sb	VF,PS,R,GBM
8"	7.5mmW	VF,VVS,R,NND,AV,R=F		
NGC 7664	Peg		Galaxy Sc:	VF,*S,2ST11,12P
8"	7.5mmW	VF,VS,OVAL,NND,AV,R=F		
NGC 7678	Peg	H226-2	Galaxy SAB(rs)c	VF,PL,VLE,LBM,AM4ST
8"	7.5mmW	VF,VS,OVAL,NND,R=F		
NGC 7680	Peg	H860-3	Galaxy S0-:	VF,S,R,LBM,R
8"	7.5mmW	VF,VS,R,FNUC,AV,R=F		
NGC 7769	Peg	H230-2	Galaxy (R)SA(rs)b	PF,PS,R,MBM
8"	11mmT6	MF,ML,R,NND,R=G		
NGC 7771	Peg	H231-2	Galaxy SB(s)a	PB,PL,E84,BM,N OF 2
8"	11mmT6	MF,ML,OVAL,NND,R=F		

Observations Listing by Date

September 1, 2005 Hidden Hollow - RAS

NGC 1	Peg	Galaxy SA(s)b:	F,S,R,BET*11\$*14 VF,
8"	7.5mmW	VF,VVS,OVAL,NND,AV,R=F	
NGC 16	Peg	H15-4 Galaxy SAB0- sp	PB,S,R,BM
8"	7.5mmW	VF,VS,OVAL,NND,AV,R=F	
NGC 869	Per	H33-6 Open Cluster 6.6 I 3 r	CL,VVL,VRI,*7...14
8"	7.5mmW	VB,R,R=G. BEAUTY - DOUBLE CLUSTER	
NGC 884	Per	H34-6 Open Cluster 6.4 I 3 r	CL,VL,VRI,RUBY*M
8"	7.5mmW	VB,R,R=G. BEAUTY - DOUBLE CLUSTER	
NGC 4125	Dra	Galaxy E6 pec	PB,PL,CE,MBM
8"	7.5mmW	MB,MS,OVAL,NND,MSB,R=F	
NGC 4236	Dra	H51-5 Galaxy SB(s)dm	VF,EL,ME160,VGBM
8"	7.5mmW	MF,ML,NND,LSB,R=F	
NGC 7490	Peg	Galaxy Sbc	VF,VS,IR,LBM
8"	7.5mmW	VF,VS,R,NND,AV,R=F	
NGC 7625	Peg	H250-2 Galaxy SA(rs)a pec	PB,CS,R,SMBM
8"	7.5mmW	VF,VS,R,NND,AV,R=F	

August 24, 2005 Home

CR 419	Cyg	Open Cluster IV2p	
8"	19mmW	R=F, LOOSE GROUP, SOME NEBULASITY	
CR 421	Cyg	Open Cluster III1pn	
8"	19mmW	R=F, LOOSE GROUP, FEWER STARS	
CR 428	Cyg	Open Cluster IV1pn	
8"	19mmW	R=F, LOOSE GROUP, FEWER STARS	
NGC 7026	Cyg	Planetary Neb 3a	PB,BIN,PLN
8"	11mmT6	MF,MS,PATCHY,AV,R=F	
NGC 7027	Cyg	Planetary Neb 3a	PLN,STELLAR=8.5M
8"	7.5mmW	VB,VS,R,R=F	
NGC 7048	Cyg	Planetary Neb 3b	PF,PL,DIF,IR,VLBM
8"	7.5mmW	VF,ML,PATCHY,AV,R=F	
NGC 7071	Cyg	Non-Existent	CL,S,C,CE
8"	11mmT6	R=P, DISAPPOINTING	
PGC 64548	Cap	Galaxy SA(rs)cd	
8"	7.5mmW	VF,VS,R,NND,R=F	
PK 64+5.1	Cyg	Planetary Neb 4	
8"	7.5mmW	VF,VS,R,AV,R=F	

Observations Listing by Date

August 12, 2005 Hidden Hollow - RAS

HENIZ 2-441 8"	FIX 7.5mmW VF,VS,AV,R=F	Planetary Neb 4	
IC 1805 8"	Cas 19mmW MB,ML,R=G	Open Cluster E	
MINK 1-70 8"	Aql 7.5mmW VF,VS,AV,R=F	Planetary Neb 1	
MINK 1-74 8"	FIX 7.5mmW VF,VS,AV,R=F	Planetary Neb 1	
NGC 6537 8"	Sgr 7.5mmW VF,VS,AV,R=F	Planetary Neb 2a+6	PLN,B,S,STELLAR
NGC 6546 8"	Sgr 7.5mmW MB,MS,R=F	Open Cluster 10.6 II 1 r	CL,VL,VRI
NGC 6835 8"	Sgr 7.5mmW VF,VS,OVAL,NND,R=F	Galaxy SB(s)a? sp	F,PL,ME
NGC 6836 8"	Sgr 7.5mmW VF,VS,R,NND,AV,R=F	Galaxy SABm	VF,PL,R,DIF
NGC 6891 8"	Del 7.5mmW MF,VS,OVAL,R=F	Planetary Neb 2a+2b	PLN,STELLAR=9.5M
NGC 7099 8"	Cap M30 7.5mmW B,L,R=G, RESOLVE OUTER STARS	Globular	GCL,B,L,LE,GPMBM
NGC 7280 8"	Peg H248-2 7.5mmW VF,VS,OVAL,AV,R=F	Galaxy SAB(r)0+	F,CS,R,GBMS*,3*N,NF
NGC 7292 8"	Peg 11mmT6 VF,VS,OVAL,NND,AV,R=F	Galaxy IBm	EF,S,OVAL,F*INV
NGC 7311 8"	Peg H428-2 11mmT6 VF,VS,EL,NND,AV,R=F	Galaxy Sab	PF,S,R,PSBM,R
NGC 7362 8"	Peg 11mmT6 VF,VS,R,NND,AV,R=F	Galaxy E:	VF,S,R,LBM
NGC 7385 8"	Peg H216-3 11mmT6 VF,VS,R,NND,AV,R=F	Galaxy E pec:	CF,S,R,GLBM,*11NP
NGC 7386 8"	Peg H217-3 11mmT6 VS,VS,OVAL,NND,AV,R=F	Galaxy SA0:	CF,S,R,PGBM,F OF 2
NGC 7550 8"	Peg H181-3 11mmT6 VF,VS,R,NND,AV,R=F	Galaxy SA0-	CF,S,R

August 9, 2005 Hidden Hollow - RAS

NGC 6905 8"	Del H16-4 11mmT6 MB,ML,PATCHY,MSB,R=G	Planetary Neb 3+3	PLN,B,PS,R,4S*NR
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Observations Listing by Date

August 2, 2005**Hidden Hollow - RAS**

BOL	119	And	Globular	
	8"	11mmT6	MB,ML,OVAL,MSB,R=G	
IC	1311	Cyg	Open Cluster 17.0 I 1 r n	
	8"	19mmW	NICE CLUSTER, NICER NEBULA	
IC	5070	Cyg	Non-Existent	
	8"	19mmW	L,F,R=F	
NGC	6814	Aql	H744-3 Galaxy SAB(rs)bc	PF,PL,R,BM,R
	8"	11mmT6	VF,MS,R,FNUC,R=F	
NGC	6857	Cyg	H144-3 Nebula HII	F,AM MILKY WAY ST
	8"	19mmW	MB,VL,HISB,R=G	
NGC	6906	Aql	Galaxy SB(rs)bc:	PF,PL,R
	8"	11mmT6	MF,ML,OVAL,NND,R=F	
NGC	6926	Aql	H142-3 Galaxy SB(s)bc pec	VF,PL,E176,P OF 2
	8"	11mmT6	VF,VS,NND,AV,R=F	
NGC	6995	Cyg	Non-Existent	F,EL,NEB\$ST INGROUPS
	8"	19mmW	VB,VL,PATCHY,R=G. NEAT	
NGC	7000	Cyg	H37-5 Nebula E	F,EEL,DIF NEBULOSITY
	8"	19mmW	PRETTY LARGE, PRETTY BRIGHT, PRETTY NEAT	
NGC	7008	Cyg	H192-1 Planetary Neb 3	CB,L,E45,R,**ATT
	8"	19mmW	FB,FL,R=G, BEHIND STAR	

July 31, 2005**Hidden Hollow - RAS**

CR	331	Oph	Open Cluster II 1m	
	8"	11mmT6	MF,FS,OVAL SHAPE, R=F, LOOSE GROUPING	
IC	4634	Oph	Planetary Neb 2a+3	
	8"	7.5mmW	VVF,VS,AV,R=F	
NGC	6325	Oph	Globular	PF,L,R,RR
	8"	7.5mmW	VF,VS,R,LOWSB,AV,R=F	
NGC	6509	Oph	Galaxy Sd	VF,PL,IRRR,LBM
	8"	11mmT6	VF,VS,OVAL,NND,R=F	
NGC	6570	Oph	Galaxy SB(rs)m:	PF,PL,R
	8"	11mmT6	MB,VS,EL,FNUC,MSB,R=F	
NGC	6572	Oph	Planetary Neb 2a	PLN,VB,VS,R,LHAZY
	8"	11mmT6	VB,VS,R,R=F	
PAL	11	Aql	Globular	
	8"	11mmT6	DIFF, VF,ML,R,LOWSB,R=F	
TER	8	Sgr	Globular	
	8"	11mmT6	VF,VS,R,LOWSB,R=F	

Observations Listing by Date

July 9, 2005

Hidden Hollow - RAS

ESO	456-38	Sgr		Globular	
	8"	11mmT6	VF,VS,R=F		
IC	1276	Ser		Globular	
	8"	11mmT6	VF,ML,R=F		
NGC	6302	Sco		Planetary Neb 6	PB,E PF,(SWIFT,TRIP)
	8"	11mmT6	MB,VS,R,R=G		
NGC	6369	Oph	H11-4	Planetary Neb 4+2	RINGNEB,PB,S,R
	8"	11mmT6	MB,MS,R,R=G		
NGC	6426	Oph	H587-2	Globular	VF,CL,E,VLBM
	8"	11mmT6	VF,VS,R=F		
NGC	6445	Sgr	H586-2	Planetary Neb 3b+3	PB,PS,R,GBM,R,*15NP
	8"	11mmT6	MB,ML,MSB,R=G		
NGC	6451	Sco	H13-6	Open Cluster 12.0 I 2 r n	CL,PL,PRI,BIFID,ST12
	8"	11mmT6	R=G. LOOSE GROUP W/MANY STARS		
NGC	6517	Oph	H199-2	Globular	PB,PL,R,RR
	8"	11mmT6	MF,ML,R=F		
NGC	6520	Sgr	H7-7	Open Cluster 9.0 I 2 r n	CL,PS,RI,LC,ST9...13
	8"	11mmT6	VB,R=G. NICE CLUSTER - BRIGHT		
NGC	6535	Ser		Globular	PF,VS,VSNEB*P
	8"	11mmT6	MF,ML,R=G		
NGC	6539	Ser		Globular	NO DESCRIPT
	8"	11mmT6	VF,ML,R=F		
NGC	6540	Sgr	H198-2	Globular	PF,S,IE,ER OR CL
	8"	11mmT6	R=F. LOOSE GROUP, FEWER STARS		
NGC	6543	Dra	H37-4	Planetary Neb 3a+2	PLN,VB,PS,SBMVSN
	8"	11mmT6	VB,VS,OVAL,R=G		
NGC	6568	Sgr	H30-7	Open Cluster IV 1 m	CL,VL,LC
	8"	11mmT6	MB,R=G. NICE, BRIGHT CLUSTER		
NGC	6629	Sgr	H204-2	Planetary Neb 2a	PLNORGCL,PB,EES,R
	8"	11mmT6	VF,VS,AV,R=F		
NGC	6818	Sgr	H51-4	Planetary Neb 4	PLN,B,VS,R
	8"	11mmT6	VB,VS,R,R=G		
NGC	6864	Sgr	M75	Globular	GCL,B,PL,R,VMBMBN,RR
	8"	11mmT6	PB,PL,R=G,TIGHT GROUP		
PAL	8	Sgr		Globular	
	8"	11mmT6	VF,ML,R,R=F		

Observations Listing by Date

July 3, 2005

Hidden Hollow - RAS

ABELL 56 8"	Aql 19mmW	Planetary Neb 4 DIFF,MF,VL,PATCHY,R=G	
CR 350 8"	Oph 19mmW	Open Cluster IV1p VB,ML,R=F, LOOSE GROUPING	
CR 401 8"	Aql 19mmW	Open Cluster IV2m VERY LOOSE GROUP, R=F	
IC 1257 8"	Oph 11mmT6	Globular VF,VS,AV,R=F	
IC 4846 8"	Aql 11mmT6	Planetary Neb 2 VB,VS,R,R=F	
MINK 3-34 8"	FIX 11mmT6	Planetary Neb 2 DIFF,VF,VS,AV,R=F	
NGC 5791 8"	Lib 11mmT6	H691-3 Galaxy E6: VF,VS,EL,NND,AV,R=F	PF,S,R,STELLAR
NGC 5792 8"	Lib 11mmT6	H683-2 Galaxy SB(rs)b VF,VS,EON,NND,R=F	PB,PL,R,MBM,*8,9NP1'
NGC 6139 8"	Sco 11mmT6	Globular VF,VS,R,R=F	B,PL,R,PSBM,RR
NGC 6144 8"	Sco 11mmT6	H10-6 Globular VF,VS,R,AV,R=F	CL,CL,MC,GBM,RRR
NGC 6240 8"	Oph 11mmT6	Galaxy I0: pec VF,VS,OVAL,NND,AV,R=F	VF,PL,LE,DIF
NGC 6309 8"	Oph 11mmT6	Planetary Neb 3b+6 MF,MS,PATCHY,R=F	B,S,BET2*VNR
NGC 6368 8"	Oph 11mmT6	Galaxy Sb VF,VS,EON,NND,AV,R=F	F,S,E
NGC 6384 8"	Oph 11mmT6	Galaxy SAB(r)bc VF,ML,OVAL,NND,AV,R=F	PB,S,VLE
NGC 6453 8"	Sco 11mmT6	Globular VF,VS,R,R=F	CL,IR,PMBM,R
NGC 6480 8"	Sco 11mmT6	Non-Existent VF,VS,R=F	NEBSPART OFMILKY WAY
NGC 6517 8"	Oph 11mmT6	H199-2 Globular VF,VS,AV,R=F	PB,PL,R,RR
NGC 6741 8"	Aql 11mmT6	Planetary Neb 4 VF,ML,PATCH,AV,R=F	PLN,STELLAR
NGC 6749 8"	Aql 11mmT6	Globular VF,VS,AV,R=F	CL,L,LC,ST L\$\$

Observations Listing by Date

July 3, 2005

Hidden Hollow - RAS

NGC	6751	Aql		Planetary Neb 3	PB,S
	8"	11mmT6	MB,ML,R=G		
NGC	6790	Aql		Planetary Neb 2	PLN,B,ES,STELL=9.5M
	8"	11mmT6	VF,VS,AV,R=F		
NGC	6803	Aql		Planetary Neb 2a	PLN,STELLAR
	8"	11mmT6	VF,VS,AV,R=F		
NGC	6804	Aql	H38-6	Planetary Neb 4+2	CB,S,IR,RRR
	8"	11mmT6	VF,ML,AV,R=F		
NGC	6852	Aql		Planetary Neb 4	F NEB,AM ST
	8"	11mmT6	VF,VS,AV,R=F		
PGC	60346	Oph		Galaxy SB(rs)c	
	8"	11mmT6	MB,MS,R,FNUC,R=G		

June 4, 2005

Hidden Hollow - RAS

NGC	6635	Her		Galaxy S0 pec:	VF,S,R
	31"	17mmT4	VF,VS,OVAL,NND,R=F		
PAL	5	Ser		Globular	
	31"	17mmT4	VF,VS,R,AV,R=F		

June 3, 2005

Hidden Hollow - RAS

IC	4593	Her		Planetary Neb 2+2	
	31"	19mmW	VB,VS,R,HISB,R=G		
NGC	5492	Boo	H876-2	Galaxy Sb pec?	PB,VS,E
	31"	11mmT6	MB,ML,EL,EON,NND,R=G		
NGC	5509	Boo		Galaxy E/S0	VF,S,R,STELLAR NUCL
	31"	11mmT6	MB,VS,OVAL,NND,R=F		
NGC	5513	Boo	H877-2	Galaxy S0	PB,PL,IR
	31"	11mmT6	MB,MS,EL,FNUC,MSB,R=G		
NGC	6207	Her	H701-2	Galaxy SA(s)c	PB,PL,E45,VGMBM
	31"	19mmW	VB,ML,OVAL,FNUC,HISB,R=G		
PGC	50828	Boo		Galaxy S	
	31"	11mmT6	VF,MS,OVAL,NND,AV,R=F		

Observations Listing by Date

May 17, 2005

Hidden Hollow - RAS

NGC 4203 31"	Com 11mmT6	H175-1 MB,ML,R,FNUC,MHS,R=G	Galaxy SAB0-:	VB,S,R,PSMBM
NGC 4245 31"	Com 11mmT6	H74-1 MF,VS,R,NND,R=F	Galaxy SB(r)0/a:	CB,PL,VLE,SMBM,R
NGC 4251 31"	Com 11mmT6	H89-1 MB,ML,EL,EON,FNUC,MSB,R=G	Galaxy SB0? sp	VB,S,E,VSVMBMN,*F90S
NGC 4274 31"	Com 11mmT6	H75-1 PF,PS,OVAL,NND,R=F	Galaxy (R)SB(r)ab	VB,VL,E90,MBMN
NGC 4278 31"	Com 11mmT6	H90-1 PB,PL,R,BNUC,R=G	Galaxy E1-2	VB,PL,R,MBM,R,1STOF3
NGC 4314 31"	Com 11mmT6	H76-1 PB,PS,OVAL,FNUC,MSB,R=G	Galaxy SB(rs)a	CB,L,E150,SBM,*NP
NGC 4340 31"	Com 11mmT6	H85-2 MB,PS,OVAL,NND,R=F	Galaxy SB(r)0+	PB,S,R,PSBM
NGC 4350 31"	Com 11mmT6	H86-2 MB,PS,EL,OVAL,FNUC,MSB,R=G	Galaxy SA0 sp	CB,VS,ME,VSBM
NGC 4414 31"	Com 11mmT6	H77-1 PB,PL,OVAL,FNUC,MSB,R=G	Galaxy SA(rs)c?	VB,L,E,G,VSMBM*
NGC 4419 31"	Com 11mmT6	H113-2 MB,ML,EL,EON,FNUC,MSB,R=G	Galaxy SB(s)a sp	B,PME135,SBM
NGC 4421 31"	Com 11mmT6	H89-2 PF,PS,OVAL,NND,AV,R=F	Galaxy SB(s)0/a	PB,PL,PGBM,B*NP
NGC 4448 31"	Com 19mmW	H91-1 VF,PS,EL,NND,R=G	Galaxy SB(r)ab	B,L,E90,SBM
NGC 4450 31"	Com 11mmT6	H56-2 MF,MS,OVAL,NND,R=F	Galaxy SA(s)ab	B,L,R,GVMBM*,R,B*SP
NGC 4725 31"	Com 11mmT6	H611-3 PB,PL,OVAL,FNUC,MSB,R=G	Galaxy SAB(r)ab pec	VB,VL,E,VG,VSVMBMEBN

Observations Listing by Date

May 12, 2005

Hidden Hollow - RAS

IC	858	Com		Galaxy S0?	
	31"	19mmW	MB,ML,OVAL,FNUC,MHISB,R=G		
IC	859	Com		Galaxy	
	31"	19mmW	MB,FS,R,FNUC,R=F		
MAC	1310+1817	Com		Galaxy	
	31"	19mmW	VF,ML,R,NND,AV,R=F		
MAC	1310+1818	Com		Galaxy	
	31"	19mmW	VF,ML,EL,EON,NND,R=F		
MAC	1310+1825	Com		Galaxy	
	31"	19mmW	VF,VS,OVAL,NND,AV,R=F		
MAC	1311+1825	Com		Galaxy	
	31"	12mmT4	VF,VS,OVAL,NND,AV,R=F		
MAC	1314+1700	Com		Galaxy	
	31"	19mmW	MB,ML,OVAL,FNUC,R=G		
MAC	1354+4015	CVn		Galaxy	
	31"	19mmW	MB,VS,R,FNUC,R=F		
MAC	1354+4028	CVn		Galaxy	
	31"	19mmW	VF,VS,OVAL,NND,R=F		
MAC	1355+4002	CVn		Galaxy	
	31"	19mmW	VF,VS,OVAL,NND,AV,R=F		
MAC	1356+3817	CVn		Galaxy	
	31"	19mmW	VF,VS,OVAL,NND,R=F		
MAC	1356+3818A	CVn		Galaxy	
	31"	19mmW	VF,MS,EL,OVAL,NND,R=F		
MAC	1356+3818	CVn		Galaxy	
	31"	19mmW	VF,VS,R,NND,AV,R=F		
MAC	1356+3821	CVn		Galaxy	
	31"	19mmW	MF,MS,OVAL,NND,R=F		
MAC	1356+3825	CVn		Galaxy	
	31"	19mmW	VF,MS,R,NND,AV,R=F		
MAC	1356+3829	CVn		Galaxy	
	31"	19mmW	VF,VS,R,NND,AV,R=F		
NGC	5053	Com	H7-6	Globular	CL,VF,PL,IR,VGBM,*15
	31"	19mmW	FAINT,OVAL,R=F		
NGC	5350	CVn	H713-2	Galaxy SB(r)b	CF,PL,BM,*7P,1ST OF4
	31"	19mmW	VB,ML,OVAL,FNUC,MSB,R=G		
NGC	5353	CVn	H714-2	Galaxy S0 sp	PB,S,R,2ND OF 4
	31"	19mmW	VB,ML,OVAL,BNUC,PHISB,R=G		

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NGC	5354	CVn	H715-2	Galaxy S0 sp	PF,S,R,3RD OF 4
	31"	19mmW	VB,ML,OVAL,BNUC,R=G		
NGC	5355	CVn	H699-3	Galaxy S0?	VF,PS,4TH OF 4
	31"	19mmW	MB,ML,EL,OVAL,FNUC,R=G		
NGC	5358	CVn		Galaxy S0/a	VF,VS,R,2VF*INV
	31"	19mmW	MB,FS,EL,OVALFNUC,R=G		
NGC	5371	CVn	H716-2	Galaxy SBbc	PB,L,R,BMFN
	31"	19mmW	MB,ML,OVAL,BNUC,HISB,R=G		
PGC	45710	Com		Galaxy S?	
	31"	19mmW	MB,MS,EL,EON,NND,R=F		
PGC	49480	CVn		Galaxy SBb	
	31"	19mmW	VF,ML,OVAL,NND,R=F		
PGC	49542	CVn		Galaxy Sdm:	
	31"	19mmW	VB,VS,EL,EON,BNUC,R=G		

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NGC	2681	UMa	H242-1	Galaxy (R')SAB(rs)0/a	VB,VL,VG,VSMBM*10
	8"	11mmT6	MB,FS,R,FNUC,R=F		
NGC	3776	Vir		Galaxy Sb	EF,VS
	31"	11mmT6	VF,S,OVAL,NND,R=F		
NGC	4324	Vir		Galaxy SA(r)0+	PB,RORLE,BM
	8"	11mmT6	VF,VS,EL,OVAL,NND,R=F		
NGC	4326	Vir	H141-2	Galaxy SAB(r)ab:	VF,S,R,BM,1ST OF 3
	8"	11mmT6	MF,VS,R,NND,R=F		
NGC	4330	Vir		Galaxy Scd?	VF,L,ME
	8"	11mmT6	VF,VS,EON,NND,AV,R=F		

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NGC	3031	UMa	M81	Galaxy SA(s)ab	EB,EL,E156,GSVMBMBN 2
	8"	19mmW	VB,VL,OVAL,BNUC,VHISB,R=E!		
NGC	3034	UMa	M82 H79-4	Galaxy I0 sp	VB,VL,VME(RAY)
	8"	19mmW	VB,ML,EL,EON,BNUC,VHISB,R=E!		
NGC	4244	CVn	H41-5	Galaxy SA(s)cd: sp	PB,VL,EE43,VGBM
	8"	19mmW	MB,ML,EL,EON,FNUC,R=G		
NGC	4361	Crv	H65-1	Planetary Neb 3a+2	VB,L,R,VSMBMN,R
	8"	11mmT6	VF,VS,R,AV,R=F		
NGC	4627	CVn	H659-2	Galaxy E4 pec	F,S,R,NP OF 2
	8"	19mmW	MF,VS,OVAL,NND,R=F		
NGC	4631	CVn	H42-5	Galaxy SB(s)d sp	VB,VL,EE70,BMN,*ATTN
	8"	19mmW	MB,ML,EL,EON,FNUC,R=G		
NGC	4656	CVn	H176-1	Galaxy SB(s)m pec	PB,L,VME34,SP OF 2
	8"	11mmT6	VF,ML,EL,EON,NND,R=F		
NGC	4689	Com	H128-2	Galaxy SA(rs)bc	PB,VL,E,VGLBM,R
	8"	11mmT6	MF,ML,R,NND,R=F		
NGC	4845	Vir	H536-2	Galaxy SA(s)ab sp	PF,PL,PME,VGBM,*NF
	8"	11mmT6	MF,MS,EL,EON,FNUC,R=G		
NGC	5248	Boo	H34-1	Galaxy SAB(rs)bc	B,L,E150,PSBMRN
	8"	11mmT6	MB,ML,OVAL,FNUC,R=G		
NGC	5466	Boo	H9-6	Globular	CL,L,VRI,VMC,ST11...
	8"	11mmT6	VF,R,R=F		
NGC	5559	Boo	H347-3	Galaxy SBb	VF,S,VLE,BM
	8"	11mmT6	MB,MS,OVAL,FNUC,R=G		
NGC	5689	Boo	H188-1	Galaxy SB(s)0/a:	CB,PL,E87,PSMBM
	8"	11mmT6	MB,ML,EL,FNUC,R=G		
NGC	5746	Vir	H126-1	Galaxy SAB(rs)b? sp	B,L,VME170,BMBN
	8"	11mmT6	VB,VL,EL,EON,FNUC,R=G		
NGC	5904	Ser	M5	Globular	GCL,VB,L,ECM,*11..15
	8"	11mmT6	VB,VL,R=E!!		
NGC	6218	Oph	M12	Globular	GCL,VB,VL,IR,GMBM
	8"	11mmT6	MB,ML,R=E		

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MAC	1047+1238	Leo	Galaxy		
	31"	17mmT4	MF,MS,EL,OVAL,ND,R=F		
MAC	1047+1246	Leo	Galaxy		
	31"	17mmT4	MF,MS,OVAL,NND,R=F		
NGC	2970	Leo	Galaxy E1:		F,NF OF 3
	31"	17mmT4	MB,OVAL,NND,R=F		
NGC	2981	Leo	Galaxy SAB(rs)bc:		VF
	31"	17mmT4	VF,MS,OVAL,NND,AV,R=F		
NGC	3659	Leo	H53-2 Galaxy SB(s)m?		CF,S,LE,R
	31"	11mmT6	MB,ML,EL,OVAL,NND,MSB,R=G		
NGC	4038	Crv	H28.1-4 Galaxy SB(s)m pec		PB,CL,R,VGBM
	8"	7.5mmW	VF,VS,NND,AV,R=F		
NGC	4039	Crv	H28.2-4 Galaxy SA(s)m pec		PF,PL
	8"	7.5mmW	VF,VS,NND,AV,R=F		
NGC	4111	CVn	H195-1 Galaxy SA(r)0+: sp		VB,PS,ME151
	8"	11mmT6	VB,ML,EON,FNUC,MSB,R=G		
NGC	4147	Com	H19-1 Globular		GCL,VB,PL,R,GBM,RRR
	8"	7.5mmW	R,MSB,R=G		
NGC	4527	Vir	H37-2 Galaxy SAB(s)bc		PB,L,PME69,MBM
	8"	11mmT6	MB,ML,EL,EON,FNUC,R=G		
NGC	4536	Vir	H2-5 Galaxy SAB(rs)bc		B,VL,ME110,SBM,ER
	8"	11mmT6	MB,ML,EL,EON,FNUC,R=G		
NGC	4550	Vir	H36-1 Galaxy SB0^: sp		PB,S,VLE,SP OF 2
	8"	11mmT6	MF,MS,EL,NND,R=G		
NGC	4551	Vir	H37-1 Galaxy E:		PB,S,R,BM,NF OF 2
	8"	11mmT6	VF,MS,OVAL,NND,AV,R=F		
NGC	4559	Com	H92-1 Galaxy SAB(rs)cd		VB,VL,ME150,GBM,3*F
	8"	7.5mmW	MB,ML,EL,FNUC,R=G		
NGC	4565	Com	H24-5 Galaxy SA(s)b? sp		B,EL,EE135,VSBMN=*10
	8"	7.5mmW	MB,ML,EL,EON,FNUC,R=G		
NGC	4660	Vir	H71-2 Galaxy E:		VB,S,VSVMBMN
	8"	11mmT6	MF,VS,OVAL,NND,R=G		
NGC	4698	Vir	H8-1 Galaxy SA(s)ab		CB,PL,IR,BM,R
	8"	11mmT6	MB,ML,EON,FNUC,MSB,R=G		
NGC	4742	Vir	H133-1 Galaxy E4:		PB,VS,VBMN=*11,*10SF
	8"	11mmT6	MF,MS,EL,FNUC,R=F		
NGC	4760	Vir	Galaxy E0?		PB,R
	8"	11mmT6	VF,ML,OVAL,NND,AV,R=F		

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NGC	4781	Vir	H134-1	Galaxy SB(rs)d	CB,VL,ME
	8"	11mmT6	MF,ML,EL,NND,R=F		
NGC	4889	Com	H391-2	Non-Existent	PB,PME,BM,*7N
	8"	7.5mmW	VF,VS,NND,AV,R=F		
NGC	4931	Com		Galaxy S0 sp	F,S
	8"	11mmT6	VB,ML,OVAL,FNUC,MSB,R=G		
NGC	5694	Hya	H196-2	Globular	CB,CS,R,PSBM,R,*9SP
	8"	7.5mmW	VS,VF,R,R=F		
NGC	5982	Dra	H764-2	Galaxy E3	CB,S,R,PSBM,R
	8"	11mmT6	VF,VS,OVAL,NND,R=F		
NGC	5985	Dra	H766-2	Galaxy SAB(r)b	PB,CL,IE,R
	8"	11mmT6	MB,ML,EL,OVAL,FNUC,R=G		
NGC	6543	Dra	H37-4	Planetary Neb 3a+2	PLN,VB,PS,SBMVSN
	8"	11mmT6	VB,VS,R,R=G		
PGC	35103	Leo		Galaxy S	
	31"	11mmT6	MF,MS,EL,OVAL,NND,AV,R=F		

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NGC	2962	Hya	Galaxy (R)SAB(rs)0+	F,VS,VLE,PSBM
	8"	7.5mmW	VF,VS,OVAL,NND,AV,R=F	
NGC	2983	Hya	H289-3 Galaxy SB(rs)0+	F,PS,R,BM,R,STELLAR
	8"	7.5mmW	VF,VS,OVAL,NND,R=F	
NGC	2986	Hya	H311-2 Galaxy E2	PB,PS,IR,MBM
	8"	7.5mmW	VF,VS,OVAL,NND,R=F	
NGC	2992	Hya	H277-3 Galaxy Sa pec	CF,S,R,BM,STEL,P OF2
	8"	7.5mmW	VF,VS,EL,EON,NND,AV,R=F	
NGC	2993	Hya	H278-3 Galaxy Sa pec	CF,S,R,BM,STEL,F OF2
	8"	7.5mmW	VF,VS,OVAL,NND,AV,R=F	
NGC	3052	Hya	H272-3 Galaxy SAB(r)c:	F,PL,R,GLBM,NF OF 2
	8"	7.5mmW	VF,VS,OVAL,NND,AV,R=F	
NGC	3054	Hya	Galaxy SAB(r)b	PB,L,IRR OBLONG
	8"	7.5mmW	DIFF,VF,ML,OVAL,NND,AV,R=F	
NGC	3072	Hya	H273-3 Galaxy S0/a? sp	VF,PS,LE,GLBM
	8"	7.5mmW	VF,VS,OVAL,NND,AV,R=F	
NGC	3078	Hya	H268-2 Galaxy E2-3	PB,S,R,MBM
	8"	7.5mmW	MF,ML,OVAL,FNUC,R=G	
NGC	3091	Hya	H293-2 Galaxy E3:	PB,PS,IR,BM,P OF 2
	8"	11mmT6	MF,MS,OVAL,NND,R=F	
NGC	3109	Hya	Galaxy SB(s)m sp	CF,VL,VME82,LBM
	8"	11mmT6	DIFF,MF,VL,EON,NND,R=F	
NGC	3124	Hya	Galaxy SAB(rs)bc	F,PL,R,LBM,D* S
	8"	11mmT6	DIFF,VF,ML,OVAL,NND,R=F	
NGC	3146	Hya	Galaxy SB(r)b?	EF,S,R,GBM
	8"	7.5mmW	VF,VS,OVAL,NND,AV,R=F	
NGC	3200	Hya	Galaxy SAB(rs)c:	PB,E160,BMN
	8"	7.5mmW	VF,VS,EON,NND,AV,R=F	
NGC	3242	Hya	H27-4 Planetary Neb 4+3b	PLN,VB,LE147,45"D
	8"	7.5mmW	VB,VL,R,R=G	
NGC	4578	Vir	H15-2 Galaxy SA(r)0^:	PF,PS,R,SBMN,*NP
	8"	11mmT6	MF,MS,OVAL,NND,R=G	
NGC	4580	Vir	H124-1 Galaxy SAB(rs)a pec	PB,L,VGBM
	8"	11mmT6	MB,ML,R,NND,R=G	
NGC	4581	Vir	Galaxy E+	F,S,BM,STELL N
	8"	7.5mmW	VF,VS,OVAL,NND,AV,R=F	
NGC	4586	Vir	H125-1 Galaxy SA(s)a: sp	PB,L,E,PSBM
	8"	11mmT6	MF,ML,EL,NND,R=G	

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NGC	4592	Vir	H31-2	Galaxy SA(s)dm:	F,L,E90,VGBM
	8"	11mmT6	MF,ML,EL,EON,NND,AV,R=F		
NGC	4593	Vir	H183-2	Galaxy (R)SB(rs)b	PB,CL,E,SBMN=*
	8"	11mmT6	MF,MS,OVAL,NND,R=F		
NGC	4596	Vir	H24-1	Galaxy SB(r)0+	B,PS,R,GMBM,R,3*F
	8"	11mmT6	MB,ML,OVALFNUC,R=G		
NGC	4597	Vir	H636-2	Galaxy SB(rs)m	F,VL,BM
	8"	7.5mmW	VF,VS,OVAL,NND,AV,R=F		
NGC	4602	Vir	H184-2	Galaxy SAB(rs)bc	F,L,E,VGLBM
	8"	11mmT6	MF,MS,EON,NND,R=F		
NGC	4606	Vir	H43-3	Galaxy SB(s)a:	VF,PS,E,20R3VS*INV
	8"	11mmT6	MF,ML,OVAL,NND,R=F		
NGC	4608	Vir	H69-2	Galaxy SB(r)0^	PB,PL,R,PSBM,R,*NP1'
	8"	11mmT6	MF,MS,OVAL,FNUC,R=G		
NGC	4612	Vir	H148-2	Galaxy (R)SAB0^	PB,S,R,PSMBM
	8"	11mmT6	MB,MS,OVAL,RNUC,R=G		
NGC	4623	Vir	H149-2	Galaxy SB0+: sp	CF,PL,E,PSLBM,R
	8"	11mmT6	MF,MS,OVAL,NND,AV,R=F		
NGC	4630	Vir	H532-2	Galaxy IB(s)m?	CF,S,R,LBM
	8"	7.5mmW	VF,VS,OVAL,NND,AV,R=F		
NGC	4632	Vir	H14-1	Galaxy SAc	PB,L,E45
	8"	7.5mmW	VF,VS,OVAL,NND,R=F		
NGC	4638	Vir	H70-2	Galaxy S0- sp	F,R,GBM
	8"	11mmT6	MB,MS,OVAL,NND,R=G		
NGC	4639	Vir	H125-2	Galaxy SAB(rs)bc	PB,S,E,R,*12SF1'
	8"	11mmT6	MB,ML,OVAL,RNUC,R=G		
NGC	4647	Vir	H44-3	Galaxy SAB(rs)c	PF,PL,LE115,NPOFDNEB
	8"	11mmT6	MB,MS,OVAL,NND,R=G		
NGC	4654	Vir	H126-2	Galaxy SAB(rs)cd	F,VL,PME,(D),3*NR
	8"	11mmT6	VF,ML,NND,R=F		
NGC	4665	Vir		Non-Existent	B,PL,IR,MBM,*10SP
	8"	11mmT6	VB,ML,OVAL,FNUC,R=G		
NGC	4772	Vir	H24-2	Galaxy SA(s)a	PF,PS,R,MBM
	8"	11mmT6	VB,VS,EL,NND,R=F		
NGC	5194	CVn	M51	Galaxy SA(s)bc pec	GREAT SPIRAL NEBULA
	31"	28mm	VB,VL,OVAL,BNUC,R=E!!		
NGC	6205	Her	M13	Globular	GCL,EB,VRI,VGECM,*11
	8"	11mmT6	VB,VL,ROUND,R=E!!!		

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NGC	2595	Cnc	H599-3	Galaxy SAB(rs)c	VF,PL,IF,R,D*SP2'
	8"	11mmT6		VF,VS,OVAL,NND,AV,R=F	
NGC	2648	Cnc	H49-3	Galaxy Sa	F,S,VLE135,PSBM
	8"	11mmT6		VF,VS,EL,NND,AV,R=F	
NGC	3041	Leo	H98-2	Galaxy SAB(rs)c	GCL,F,L,R,VGLBM,RR
	8"	11mmT6		MF,MS,OVAL,NND,AV,R=F	
NGC	3067	Leo	H492-2	Galaxy SAB(s)ab?	PB,PL,E106,GBM,*94'P
	8"	11mmT6		MF,MS,EL,OVAL,NND,R=F	
NGC	3098	Leo		Galaxy S0 sp	PB,S,E85,PSBMN
	8"	11mmT6		VF,MS,EL,EON,NND,R=F	
NGC	3162	Leo	H43-2	Galaxy SAB(rs)bc	PF,CL,R,VGLBM,R,*INV
	8"	11mmT6		DIFF,VF,ML,OVAL,NND,AV,R=F	
NGC	3185	Leo		Galaxy (R)SB(r)a	PF,PL,GMBM
	8"	11mmT6		VF,VS,OVAL,NND,AV,R=F	
NGC	3189	Leo		Knot in Galaxy	VVF,ME,PARALLEL-3190
	8"	11mmT6		VF,EON,BOTTOM OF NGC 3190	
NGC	3190	Leo	H44-2	Galaxy SA(s)a pec sp	B,PS,E,PSBMN
	8"	11mmT6		MF,ML,EL,EON,FNUC,R=G	
NGC	3274	Leo	H358-2	Galaxy SABd?	F,PL,R,GLBM,D* F
	8"	11mmT6		VF,VS,OVAL,NND,AV,R=F	
NGC	3599	Leo	H49-2	Galaxy SA0:	B,PS,R,PGMBM
	8"	11mmT6		VF,VS,OVAL,NND,AV,R=F	
NGC	4417	Vir	H155-2	Galaxy SB0: sp	F,PL,E,LBP
	8"	7.5mmW		VF,ML,EL,EON,NND,AV,R=F	
NGC	4420	Vir	H23-2	Non-Existent	F,PL,LE,R,(=4409)
	8"	7.5mmW		VF,VS,EL,NND,AV,R=F	
NGC	4424	Vir		Galaxy SB(s)a:	F,PL,IR,BM
	8"	7.5mmW		MFN,ML,EL,OVAL,NND,MSB,R=G	
NGC	4443	Vir		Non-Existent	F,S,
	8"	7.5mmW		MFB,ML,EL,OVAL,FNUC,MSB,R=G	
NGC	4469	Vir	H157-2	Galaxy SB(s)0/a? sp	PF,PL,ME,BM,R
	8"	7.5mmW		MF,ML,EL,EON,NND,R=G	
NGC	4478	Vir	H124-2	Galaxy E2	PB,S,R,PSBM,2ND OF 3
	8"	7.5mmW		MB,MS,R,FNUC,MSB,R=G	
NGC	4594	Vir	M104 H43-1	Galaxy SA(s)a sp	VB,VL,EE92,VSMBMN
	8"	7.5mmW		VB,VL,EON,NUC,HISB,R=E!!	

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NGC	3031	UMa	M81	Galaxy SA(s)ab	EB,EL,E156,GSVMBMBN	2
	8"	11mmT6	VB,VL,EON,NUC,HISB,R=E!!			
NGC	3627	Leo	M66	Galaxy SAB(s)b	B,VL,ME150,MBM,2*NP	
	8"	11mmT6	VB,ML,EL,EON,NUC,HISB,R=E			
NGC	3818	Vir	H284-3	Galaxy E5	F,PS,R,PSBM	
	8"	11mmT6	MF,EL,EON,NND,R=F			
NGC	3976	Vir	H132-2	Galaxy SAB(s)b	B,PL,CE30,VSMBMN	
	8"	11mmT6	MF,EL,EON,NND,R=F			
NGC	4030	Vir	H121-1	Galaxy SA(s)bc	CB,L,VLE,PSMBM,BSTNR	
	8"	11mmT6	MB,OVAL,FNUC,MSB,R=G			
NGC	4045	Vir	H276-2	Galaxy SBa	PF,L,R,SBM,*SF	
	8"	11mmT6	VF,OVAL,NND,AV,R=F			
NGC	4073	Vir	H277-2	Galaxy E+	F,PS,R,PGBM,NP OF 2	
	8"	11mmT6	VF,OVAL,NND,AV,R=F			
NGC	4168	Vir	H105-2	Galaxy E2	PB,PL,IF,PSBM,R,*INV	
	8"	11mmT6	MB,OVAL,PATCH,NND,R=G			
NGC	4178	Vir		Galaxy SB(rs)dm	VF,VL,E45,*7F	
	8"	11mmT6	VF,EL,OVAL,AV,R=F			
NGC	4179	Vir	H9-1	Galaxy S0 sp	PB,PS,PME135,BMN	
	8"	11mmT6	MB,EON,OVAL,FNUC,MSB,R=G			
NGC	4206	Vir	H165-2	Galaxy SA(s)bc:	F,VME	
	8"	11mmT6	VF,EON,NND,AV,R=F			
NGC	4216	Vir	H35-1	Galaxy SAB(s)b:	VB,VL,VME17,SBMN	
	8"	11mmT6	VB,EON,FNUC,MSB,R=G			
NGC	4268	Vir		Galaxy SB0/a: sp	PF,S,2ND OF 6 NEB	
	8"	11mmT6	VF,EL,OVAL,NND,AV,R=F			
NGC	4273	Vir	H569-2	Galaxy SB(s)c	PB,L,E,GBM	
	8"	11mmT6	MB,OVAL,FNUC,MSB,R=G			
NGC	4281	Vir	H573-2	Galaxy S0+: sp	B,VL,R,PGBM	
	8"	11mmT6	MB,EL,OVAL,NND,MSB,R=F			
NGC	4294	Vir	H61-2	Galaxy SB(s)cd	F,L,ME135,BIN,P OF 2	
	8"	11mmT6	MF,EL,EON,NND,AV,R=F			
NGC	4299	Vir	H62-2	Galaxy SAB(s)dm:	F,L,LE,VGBM,F OF 2	
	8"	11mmT6	VF,OVAL,NND,AV,R=F			
NGC	4313	Vir	H63-2	Galaxy SA(rs)ab: sp	VF,L,E135,R	
	8"	11mmT6	MF,EL,EON,NND,R=F			
NGC	5272	CVn	M3	Globular	GCL,EB,VL,VSMBM,*11.	
	8"	11mmT6	LARGE, BRIGHT & ROUND!!!			

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March 15, 2005**Hidden Hollow - RAS**

ABELL 31 8"	Cnc 11mmT6		Planetary Neb 3a VF,PATCHY,LARGE,R=F	
NGC 2535 8"	Cnc 11mmT6		Galaxy SA(r)c pec VF,MS,EON,OVAL,NND,AV,R=F	EF,VS,R
NGC 2563 8"	Cnc 11mmT6	H634-2	Galaxy S0^: VF,VS,EON,OVAL,NND,AV,R=F	CF,S,R,BM
NGC 2672 8"	Cnc 11mmT6	H48-2	Galaxy E1-2 MF,ML,OVAL,PATCH,NND,R=F	PB,PL,IR,MBM
NGC 2749 8"	Cnc 11mmT6		Galaxy E3 MB,ML,EL,OVAL,NND,R=G	PF,S,R,BMN=*15
NGC 2775 8"	Cnc 11mmT6	H2-1	Galaxy SA(r)ab MB,ML,OVAL,PATCH,NND,R=G	CB,CL,R,VGVSMBM,R
NGC 3115 8"	Sex 11mmT6	H163-1	Galaxy S0- sp VB,ML,EL,EON, FNUC,MSB,R=G	VB,L,VME46,VGSMBMEN
NGC 3145 8"	Hya 11mmT6	H518-3	Galaxy SB(rs)bc VB,ML,EL,EON,R=G	F,PL,R,VGSLBM
NGC 3423 8"	Sex 11mmT6	H6-4	Galaxy SA(s)cd VF,ROUND,NND,AV,R=F	F,VL,R,VGBM,RR
PGC 28913 8"	Sex 11mmT6		Galaxy IB(s)m MB,VS,OVAL,NND,AV,R=F	

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IC 2118 8"	Eri 25mmPL		Non-Existent MF,VL,LSB,R=G OIII FILTER	
NGC 1982 8"	Ori 11mmT6	M43 H1-3	Nebula E VB,VL,VHISB,R=E!!!, OIII FILTER	VB,VL,RW/TAIL,MBM*8
NGC 2927 8"	Leo 11mmT6		Galaxy SAB(rs)b VF,VS, OVAL,NND,AV,R=F	F,PL,R,LBM
NGC 3301 8"	Leo 11mmT6	H46-2	Galaxy SB0-a MB,MS,EL,FNUC,MSB,R=G	CB,S,LE53,PSBM,R
NGC 3338 8"	Leo 11mmT6	H77-2	Galaxy SA(s)c VF,MS,EL,OVAL,PATCHY,NND,AV,R=G	F,CL,E,VGBM,*7P10S
NGC 3507 8"	Leo 11mmT6	H7-4	Galaxy SB(s)b DIFF,VF,MS,OVAL,NND,AV,R=F	CF,PL,R,SBMS*,*9ATT
NGC 3596 8"	Leo 11mmT6	H102-2	Galaxy SAB(rs)c VF,VS,OVAL,NND,AV,R=F	PF,L,R,GLBM

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IC	2163	CMa		Galaxy SB(rs)c pec	
	8"	11mmT6	VF,VS,EL,NND,AV,R=F		
NGC	2204	CMa	H13-7	Open Cluster 13.0 II 2 r	CL,L,PRI,LC
	8"	11mmT6	DIFFUSED,ML,R,R=G		
NGC	2206	CMa		Galaxy SAB(rs)bc:	F,PS,VLE,PSLBM
	8"	11mmT6	VF,VS,NND,AV,R=F		
NGC	2207	CMa		Galaxy SAB(rs)bc pec	PB,PL,ME87,PSLBMRN
	8"	11mmT6	VF,EL,OVAL,NND,AV,R=F		
NGC	2217	CMa		Galaxy (R)SB(rs)0+	VB,S,R,PSMBM,R
	8"	11mmT6	MF,MS,OVAL,FNUC,R=G		
NGC	2223	CMa		Galaxy SAB(r)b	F,PL,R,VGLBM,2STINV
	8"	11mmT6	MF,ML,OVAL,FNUC,R=G		
NGC	2227	CMa		Galaxy SB(rs)c	EF,R,** 90"P
	8"	11mmT6	MB,MS,OVAL,FNUC,R=G		
NGC	2237	Mon		Nebula E	PB,VVL,DIF,(2238)
	8"	11mmT6	VB,VL,R=G		
NGC	2243	CMa		Open Cluster 11.8 I 2 r	PB,CL,R,VGLBM,4'
	8"	11mmT6	MF,MS,R,R=F, COMPACT		
NGC	2244	Mon	H2-7	Open Cluster 7.0 II 3 r n	CL,BEAUTIFUL,STSC
	8"	11mmT6	VB,VL,R=G		
NGC	2263	CMa		Galaxy (R')SB(r)ab	PF,LE,BET2VS*,PSLBM
	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC	2272	CMa		Galaxy SAB(s)0-	PF,PS,VLE,BM,R
	8"	11mmT6	VF,VS,EL,NND,AV,R=F		
NGC	2280	CMa		Galaxy SA(s)cd	PF,PL,LE,GBM
	8"	11mmT6	DIFFUSE,MF,ML,EL,OVAL,NND,R=G		
NGC	2283	CMa	H271-3	Galaxy SB(s)cd	3OR4S*+NEB
	8"	11mmT6	MB,ML,OVAL,PATCHY,FNUC,R=G		
NGC	2325	CMa		Galaxy E4	PB,PL,LE,GBM
	8"	11mmT6	MF,MS,OVA,PATCHY,NND,R=F		
NGC	2345	CMa		Open Cluster 9.0 II 3 r	CL,PL,PRI,GBM,*10.14
	8"	11mmT6	ML,R=G		
NGC	2362	CMa	H17-7	Open Cluster 8.0 I 3 r	CL,PL,RI,30CMA
	8"	11mmT6	VB,ML,R,R=G		
NGC	2367	CMa	H27-8	Open Cluster 9.4 II 3 m	CL,S,P,LC
	8"	11mmT6	MS,R,R=F, SMALL & TIGHT		
NGC	2374	CMa	H35-8	Open Cluster 10.7 IV 2 p	CL,VL,PRI,LC,ST L
	8"	11mmT6	MB,ML,R=G		

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NGC	2916	Leo	H260-2	Galaxy SA(rs)b?	F,S,VLE
	8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
NGC	2964	Leo	H114-1	Galaxy SAB(r)bc:	B,VL,LE,VGBM,SP OF 3
	8"	11mmT6	MB,ML,EL,OVAL,PATCHY,NND,MSB,R=G		
NGC	2968	Leo	H491-2	Galaxy I0	PB,PL,LE,VGLBM,2ND-3
	8"	11mmT6	DIFF,MF,MS,OVAL,NND,AV,R=F		
NGC	3031	UMa	M81	Galaxy SA(s)ab	EB,EL,E156,GSVMBMBN 2
	8"	11mmT6	MF,ML,OVAL,NND,R=F		
NGC	3032	Leo		Galaxy SAB(r)0^	F,S,SBM*12,BET2B*
	8"	11mmT6	VF,VS,EL,NND,AV,R=F		

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MAC	0447-0208	Ori		Galaxy	
	31"	11mmT6	MF,MS,EL,FNUC,R=F		
MAC	0448-0134	Ori		Galaxy	
	31"	11mmT6	MF,VS,OVAL,FNUC,R=G		
MAC	0448-0134	Ori		Galaxy	
	31"	11mmT6	MF,VS,OVAL,FNUC,R=G		
NGC	1661	Ori		Galaxy SA(s)bc pec:	VF,VS,BM
	31"	11mmT6	VF,MS,EL,OVAL,PATCH,NND,R=F		
NGC	1683	Ori		Galaxy Sa	VF,R
	31"	11mmT6	DIFF,MB,MS,EL,OVAL,NND,R=G		
NGC	1691	Ori		Galaxy (R)SB(s)0/a:	F,S,*11INV
	31"	11mmT6	VF,MS,OVAL,NND,R=F		
NGC	1982	Ori	M43 H1-3	Nebula E	VB,VL,RW/TAIL,MBM*8
	31"	11mmT6	480X+,TRAPEZIUM!!!!		
PGC	16012	Ori		Galaxy Sd	
	31"	11mmT6	VF,MS,OVAL,NND,AV,R=F		
PGC	16017	Ori		Galaxy Sa	
	31"	11mmT6	MB,MS,EL,EON,FNUC,R=G		

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IC	458	Lyn	Galaxy S0-:	
	31"	17mmT4 MB,R,FNUC,MSB,R=G		
IC	459	Lyn	Galaxy C	
	31"	17mmT4 VF,OVAL,NND,AV,R=F		
IC	460	Lyn	Galaxy	
	31"	17mmT4 VF,MS,EL,NND,LSB,R=F		
IC	461	Lyn	Galaxy S	
	31"	17mmT4 MF,OVAL,NND,R=F		
IC	464	Lyn	Galaxy E?	
	31"	17mmT4 MB,S,EON,OVAL,NND,R=G		
IC	465	Lyn	Galaxy S?	
	31"	17mmT4 MB,MS,EL,FNUC,MSB,R=G		
IC	467	Cam	Galaxy SAB(s)c:	
	31"	17mmT4 MB,ML,OVAL,PATCH,NND,R=G		
IC	2174	Cam	Galaxy SBa	
	31"	17mmT4 MF,OVAL,PATCHY,NND,R=G		
IC	2179	Cam	Galaxy E1-2	
	31"	17mmT4 MB,ML,EL,NUC,HISB,R=G		
IC	2184	Cam	Galaxy I?	
	31"	17mmT4 DIFF,MB,MF,PATCH,NND,R=G		
MAC	0710+4956	Lyn	Galaxy	
	31"	17mmT4 VF,MS,R,NND,AV,R=F		
MAC	0711+4949	Lyn	Galaxy	
	31"	17mmT4 MB,S,OVAL,NND,R=G		
MAC	0711+5007	Lyn	Galaxy	
	31"	17mmT4 MF,S,EL,NND,R=F		
NGC	2314	Cam	Galaxy E3	VF,S,R
	31"	17mmT4 MB,ML,EL,FNUC,MSB,R=G		
NGC	2340	Lyn	H736-2 Galaxy E	PF,S,R,GLBM,R
	31"	17mmT4 MB,ML,EL,OVAL,FNUC,MSB,R=G		
NGC	2347	Cam	H746-3 Galaxy (R')SA(r)b:	VF,S,R,LBM
	31"	17mmT4 VB,ML,OVAL,SNUC,HISB,R=G		
NGC	2363	Cam	Galaxy Irr	NEB* OR VFVS,2366SF
	31"	17mmT4 VF,VS,OVAL,NND,R=F		
NGC	2366	Cam	H748-3 Galaxy Irr	VF,PL,MBM,CVEDTAILS
	31"	17mmT4 MF,ML,PATCHY,NUC,R=G		
NGC	2429A	Lyn	Non-Existent	
	31"	17mmT4 MB,EL,EON,FNUC,MSB,R=G		

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NGC	2431	Lyn	H829-3	Galaxy (R')SB(s)a:	EF,VS,R,BM
	31"	17mmT4	MB,EL,OVAL,NND,R=G		
NGC	2441	Cam		Galaxy SAB(r)b:	VF,PS
	31"	17mmT4	MB,ML,OVAL,FNUC,MSB,R=G		
NGC	2446	Lyn		Galaxy Sb	F,AM4*
	31"	17mmT4	MB,OVAL,PATCH,NND,R=G		
NGC	2456	Lyn		Galaxy E	VF,R,VGBM
	31"	17mmT4	MB,S,R,PATCH,NND,R=G		
NGC	2457	Lyn		Galaxy Sbc	F,PL,R,2456SP
	31"	17mmT4	VF,VS,OVAL,PATCH,NND,AV,R=F		
NGC	2458	Lyn		Galaxy	VF,*12CLOSE
	31"	17mmT4	VF,S,OVAL,NND,AV,R=F		
NGC	2462	Lyn		Galaxy	VF,VS,VLBM
	31"	17mmT4	VF,OVAL,NND,AV,R=F		
PGC	20308	Lyn		Galaxy L	
	31"	17mmT4	MF,MS,OVAL,FNUC,R=G		
PGC	20327	Lyn		Galaxy C	
	31"	17mmT4	VF,OVAL,NND,AV,R=F		
PGC	20364	Lyn		Galaxy S0-:	
	31"	17mmT4	MB,ML,EL,FNUC,MSB,R=G		
PGC	21635	Lyn		Galaxy S	
	31"	17mmT4	MF,ML,OVAL,PATCH,NND,R=F		
PGC	21650	Lyn		Galaxy	
	31"	17mmT4	VS,R,NND,R=F		
PGC	22161	Lyn		Galaxy D	
	31"	17mmT4	VF,VS,OVAL,PATCH,NND,AV,R=F		
PGC	22172	Lyn		Galaxy S	
	31"	17mmT4	VF,VS,EL,EON,NND,R=F		
PGC	22175	Lyn		Galaxy S pec	
	31"	17mmT4	MB,ML,EL,OVAL,UB,R=G		

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December 15, 2004 Hidden Hollow - RAS

IC	446	Mon	Nebula bipolar	
	8"	11mmT6	F,PATCH,R-F	
J	320	Ori	Planetary Neb 2+4	
	8"	7.5mmW	VF,R=F	
MEL	25	Tau	Open Cluster	
	8"	11mmT6	BRIGHT SCATTERED STARS	
NGC	1653	Eri	H526-2 Galaxy E+:	F,CS,R,LBM
	8"	11mmT6	MF,R,NND,AV,R=F	
NGC	1667	Eri	Galaxy SBc	PF,PS,R,(R)
	8"	11mmT6	VF,OVAL,NND,AV,R=F	
NGC	1684	Ori	H528-2 Galaxy E+ pec:	PF,PS,R,BM,*9SF
	8"	11mmT6	VF,OVAL,NND,AV,R=F	
NGC	1726	Eri	Galaxy SA(s)0^:	F,R,*13,S
	8"	11mmT6	MF,OVAL,FNUC,R=G	
NGC	1746	Tau	Open Cluster 8.0 III 2 p	CL,P
	8"	11mmT6	R,MSB,R=G	
NGC	1750	Tau	H43-8 Open Cluster OCL	CL,ST L,VCSC
	8"	11mmT6	R,MSB,R=G	
NGC	1807	Tau	Open Cluster 9.0 II 2 p	CL,PRI,ST L\$\$
	8"	11mmT6	SMALL, FEWER STARS R=F	
NGC	1817	Tau	H4-7 Open Cluster 9.0 IV 2 r	CL,L,RI,LC,ST11...14
	8"	11mmT6	SMALL, MANY STARS R=G	
NGC	2129	Gem	H26-8 Open Cluster 10.0 I 3 m	CL,PL,40OR50ST8...15
	8"	11mmT6	R, R=G	
NGC	2339	Gem	H769-2 Galaxy SAB(rs)bc	PB,PL,R,GLBM
	8"	11mmT6	VF,OVAL,NND,AV,R=F	

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December 4, 2004 Hidden Hollow - RAS

NGC	772	Ari	H112-1	Galaxy SA(s)b	B,CL,R,GBM,R
	8"	11mmT6	MB,EL,OVAL,NND,MSB,R=G		
NGC	1514	Tau	H69-4	Planetary Neb 3+2	*9IN NEB3'DIAM
	8"	11mmT6	VB,HISB,R=G		
NGC	1587	Tau	H8-2	Galaxy E pec	F,PS,R,R,P OF D NEB
	8"	11mmT6	VF,OVAL,NND,AV,R=F		
NGC	1589	Tau	H7-2	Galaxy Sab sp	F,PL,LE132,*80"NP
	8"	11mmT6	VF,EL,EON,AV,R=F		
NGC	1647	Tau	H8-8	Open Cluster 9.0 II 2 r	CL,VL,ST L,SC
	8"	11mmT6	R,R=F, SCATTERED STARS		
NGC	1682	Ori	H527-2	Galaxy E/S0	VF,VS,1684F12S,*9S4'
	8"	11mmT6	VF,R,NND,AV,R=F		
NGC	1684	Ori	H528-2	Galaxy E+ pec:	PF,PS,R,BM,*9SF
	8"	11mmT6	VF,OVAL,NND,AV,R=G		
NGC	1700	Eri	H32-4	Galaxy E4	CB,S,MBM*
	8"	11mmT6	MB,EL,FNUC,MSB,R=G		
NGC	1721	Eri		Galaxy (R')SAB(s)0^ p	VF,VS,R
	8"	11mmT6	VF,OVAL,NND,AV,R=F		
NGC	1723	Eri		Galaxy SB(r)a pec	F,BET2*9,10N\$\$,3RD*F
	8"	11mmT6	MB,OVAL,FNUC,MSB,R=G		
NGC	1725	Eri		Galaxy E/S0	EF,VS,R
	8"	11mmT6	VF,OVAL,NND,AV,R=F		
NGC	1728	Eri		Galaxy Sa pec sp	VF,VS,R
	8"	11mmT6	VF,EON,NND,AV,R=F		
NGC	1964	Lep	H21-4	Galaxy SAB(s)b	F,VS,R,VSVMBM,3*INV
	8"	11mmT6	MB,EL,FNUC,MSB,R=G		
NGC	2158	Gem	H17-6	Open Cluster 15.0 II 3 r	CL,PS,MC,VRI,IRRTRI
	8"	11mmT6	OVAL,R=F		
NGC	2371	Gem	H316-2	Planetary Neb 3a+2	B,S,R,BMN,P OF DNEB
	8"	7.5mmW	MF,OVAL,R=G		
NGC	2392	Gem	H45-4	Planetary Neb 3b+3b	B,S,R,*9M,*8NF100"
	8"	7.5mmW	VB,R,HISB,R=E!!!		
NGC	2419	Lyn	H218-1	Globular	PB,PL,LE90,VGBM,*4'F
	8"	7.5mmW	OVAL,R=G		
NGC	2537	Lyn	H55-4	Galaxy SB(s)m pec	GCL,PB,PL,R,RRR,ST20
	8"	7.5mmW	MF,R,NND,AV,R=F		
PGC	20274	Mon		Galaxy IAB(s)m	
	8"	11mmT6	VF,OVAL,NND,AV,R=G		

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NGC 404 31"	And 11mmT6	H224-2 MB,OVAL,FNUC,MSB,R=G,	Galaxy SA(s)0-: SOLO EFFORT	PB,CL,R,GBM,
NGC 529 31"	And 11mmT6		Galaxy S0-: MB,EL,FNUC,MSB,R=G, SOLO EFFORT	PB,VS,SBM,P OF 2
NGC 531 31"	And 11mmT6		Galaxy SB0/a: MB,EL,PATCH,NND,R=G, SOLO EFFORT	F,S,R
NGC 536 31"	And 11mmT6	H171-3 MB,OVAL,FNUC,MSB,R=G,	Galaxy SB(r)b SOLO EFFORT	PB,PL,GBM,F OF 2
NGC 650 31"	Per 11mmT6	M76 H193-1 VB,HISB,R=E,	Planetary Neb 3+6 SOLO EFFORT	VB,P OF DNEB

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IC	284	Per	Galaxy SAdm	
	8"	7.5mmW	VF,EL,OVAL,NND,AV,R=F	
IC	348	Per	Open Cluster 10.0 III 2 p n	
	8"	11mmT6	LOOSE GROUP - NOT MANY STARS	
IC	1727	Tri	Galaxy SB(s)m	
	8"	11mmT6	VF,EL,NND,AV,R=F	
NGC	672	Tri	H157-1 Galaxy SB(s)cd	F,PL,ME80
	8"	11mmT6	VF,EL,NND,AV,R=F	
NGC	736	Tri	H221-2 Galaxy E+:	PB,R,BM
	8"	11mmT6	VF,OVAL,NND,AV,R=F	
NGC	750	Tri	H222-2 Galaxy E pec	CB,PL,R,DW/751,25"
	8"	11mmT6	VF,EL,OVAL,NND,AV,R=F	
NGC	751	Tri	Galaxy E pec	PF,ES,R,BM,DW/750
	8"	11mmT6	VF,OVAL,NND,AV,R=F	
NGC	777	Tri	H223-2 Galaxy E1	PB,PL,R,GLBM
	8"	11mmT6	VF,OVAL,NND,MSB,R=G	
NGC	783	Tri	Galaxy Sc	EF,S,IR,VF ST ATT
	8"	11mmT6	VF,OVAL,NND,AV,R=F	
NGC	784	Tri	Galaxy SBdm: sp	VF,L,E,(DOUBLE)
	8"	11mmT6	VF,ELEON,NND,AV,R=F	
NGC	785	Tri	Galaxy S0-:	EF,ES,VF*ATT
	8"	11mmT6	VF,OVAL,NND,AV,R=F	
NGC	855	Tri	H613-2 Galaxy E	F,S,LE90,BM
	8"	11mmT6	VF,EL,EON,NND,AV,R=F	
NGC	890	Tri	H225-2 Galaxy SAB(r)0-?	B,S,R,BM,3F*SP
	8"	11mmT6	MF,EL,OVAL,NND,MSB,R=G	
NGC	949	Tri	H154-1 Galaxy SA(rs)b:?	CB,L,E,VGBM
	8"	11mmT6	VF,OVAL,NND,MSB,R=G	
NGC	959	Tri	Galaxy Sdm:	EF,PL,LE,LBM
	8"	11mmT6	MF,EL,OVAL,FNUC,MSB,R=G	
NGC	1003	Per	H238-2 Galaxy SA(s)cd	PF,L,E90,MBM,R
	8"	7.5mmW	VF,EL,EON,NND,AV,R=G	
NGC	1058	Per	H633-2 Galaxy SA(rs)c	PF,CL,R,GLBM
	8"	7.5mmW	VF,OVAL,NND,AV,R=F	
NGC	1129	Per	H602-2 Galaxy E	CF,PS,IR,VGLBM, F*SP
	8"	7.5mmW	VF,EL,NND,AV,RF=F	
NGC	1161	Per	H239-2 Galaxy S0	F,PS,LE,SBM
	8"	7.5mmW	MB,EL,EON,FNUC,MSB,R=G	

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NGC	1169	Per	H620-2	Galaxy SAB(r)b	PF,PS,IF,SBM
	8"	7.5mmW	VF,EL,EON,NND,AV,R=F		
NGC	1245	Per	H25-6	Open Cluster 12.0 II 2 r	CL,PL,RI,C,IR,*12.15
	8"	7.5mmW	MANY STARS - FAINT		
NGC	1272	Per		Galaxy E+	F,S,R
	8"	7.5mmW	VF,OVAL,NND,AV,R=F		
NGC	1275	Per	H603-2	Galaxy Pec	F,S
	8"	7.5mmW	VF,EL,NND,AV,R=F		
NGC	7293	Aqr		Planetary Neb 4+3	PF,VL,E OR BIN
	8"	11mmT6	NICE - ALMOST ROUND PATCH! LARGE.		
NGC	7377	Aqr	H598-2	Galaxy SA(s)0+	PB,S,VLE,VGMBM,*12P
	8"	11mmT6	VF,EL,EON,NND,AV,R=F		
NGC	7721	Aqr	H432-2	Galaxy SA(s)c	PF,CL,E12,VGBM
	8"	11mmT6	VF,EL,EON,NND,AV,R=F		

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NGC	1684	Ori	H528-2	Galaxy E+ pec:	PF,PS,R,BM,*9SF
	8"	11mmT6	VF,EL,OVAL,NND,AV,R=F		
NGC	2169	Ori	H24-8	Open Cluster 6.9 III 3 m	CL,S,LRI,PMC,**
	8"	11mmT6	NICE SHAPE		
NGC	2392	Gem	H45-4	Planetary Neb 3b+3b	B,S,R,*9M,*8NF100"
	8"	11mmT6	NOT A BAD PLANETARY		

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NGC	136	Cas	H35-6	Open Cluster 13.0 II 1 p	GCL,VF,S,EC
	8"	11mmT6			
NGC	157	Cet	H3-2	Galaxy SAB(rs)bc	PB,L,E,BET2CB*
	8"	11mmT6	MB,EL,NND,MSB,R=G		
NGC	214	And	H209-2	Galaxy SAB(r)c	PF,PS,GVLBM,R
	8"	11mmT6	VF,EL,NND,AV,R=F		
NGC	529	And		Galaxy S0-:	PB,VS,SBM,P OF 2
	8"	11mmT6	VF,OVAL,NND,AV,R=F		
NGC	536	And	H171-3	Galaxy SB(r)b	PB,PL,GBM,F OF 2
	8"	11mmT6	VF,EL,NND,AV,R=F		
NGC	772	Ari	H112-1	Galaxy SA(s)b	B,CL,R,GBM,R
	8"	11mmT6	MF,EL,OVAL,NND,R=F		
NGC	1027	Cas	H66-8	Open Cluster 9.0 II 3 m n	CL,L,SC ST,ONE10M
	8"	11mmT6			
NGC	1931	Aur	H261-1	Open Cluster I 3 p n	VB,L,R,B***IN M
	8"	7.5mmW	NICE CLUSTER		
NGC	1961	Cam	H747-3	Galaxy SAB(rs)c	CF,PL,IF,MBM,ER,*INV
	8"	11mmT6	VF,EL,OVAL,NND,AV,R=F		
NGC	6946	Cep	H76-4	Galaxy SAB(rs)cd	VF,VL,VG,VSBM,RR
	8"	11mmT6	MB,OVAL,NND,MSB,R=G		
NGC	7142	Cep	H66-7	Open Cluster 11.0 I 2 r	CL,CL,CRI,PC,*11..14
	8"	11mmT6			

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NGC	598	Tri	M33	H17-5	Galaxy SA(s)cd	EB,EL,R,VGBMN	6
	1.9"	12x50	VB,ML,EON,LSB,R=G				
NGC	869	Per	H33-6	Open Cluster 6.6 I 3 r	CL,VVL,VRI,*7...14		
	1.9"	12x50	VERY NICE IN BINOCULARS				
NGC	884	Per	H34-6	Open Cluster 6.4 I 3 r	CL,VL,VRI,RUBY*M		
	1.9"	12x50	VERY NICE IN BINOCULARS				
NGC	6205	Her	M13	Globular	GCL,EB,VRI,VGECM,*11		
	1.9"	12x50	BEST GLOBULAR YET, R=VG				
NGC	6341	Her	M92	Globular	GCL,VB,VL,ECM,ST S		
	1.9"	12x50	R=G				
NGC	7078	Peg	M15	Globular	GCL,VB,VL,IR,VSMBM		
	1.9"	12x50	R=G				
NGC	7089	Aqr	M2	Globular	GCL,B,VL,GPMBM,RRR		
	1.9"	12x50	R=F				

Observations Listing by Date

October 27, 2004 Hidden Hollow - RAS

NGC 205 31"	And 31mmT5	M110 H18-5 VB,ML,OVALL,HISB,R=E, LUNAR ECLIPSE	Galaxy E5 pec	VB,VL,ME165,VGVMBM
NGC 221 31"	And 31mmT5	M32 VB,ML,EL,HISB,R=E, LUNAR ECLIPSE	Galaxy cE2	VVB,L,R,PSMBMN
NGC 224 31"	And 31mmT5	M31 VB,EL,EL,OVAL,HISB,R=E, LUNAR ECLIPSE	Galaxy SA(s)b	EEB,EL,VME,ANDROMEDA 17
NGC 224 1.9"	And 12x50	M31 FIRST MESSIER IN BINOCULARS - VERY NICE	Galaxy SA(s)b	EEB,EL,VME,ANDROMEDA 17
NGC 598 31"	Tri 31mmT5	M33 H17-5 VB,ML,OVAL,HISB,R=E, LUNAR ECLIPSE	Galaxy SA(s)cd	EB,EL,R,VGBMN 6
NGC 891 31"	And 31mmT5	H19-5 VB,ML,EON,HISB,R=E, LUNAR ECLIPSE	Galaxy SA(s)b? sp	B,VL,VME22

Observations Listing by Date

October 17, 2004 Hidden Hollow - RAS

IC	65	And	Galaxy SAB(s)bc	
	8"	7.5mmW	MF,EL,EON,NND,AV,R=G	
NGC	13	And	H866-3 Galaxy (R)Sab:	VF,VS,S ST+NEB
	8"	7.5mmW	MF,EL,EON,NND,AV,R=G	
NGC	80	And	Galaxy SA0-:	F,S,R,PSBM
	8"	7.5mmW	VF,OVAL,NND,AV,R=F	
NGC	83	And	Galaxy E	E,BIN,3B*NR
	8"	7.5mmW	VF,OVAL,NND,AV,R=F	
NGC	108	And	H148-3 Galaxy (R)SB(r)0+	PF,PL,R,PSLBM
	8"	7.5mmW	VF,OVAL,NND,AV,R=F	
NGC	160	And	H476-3 Galaxy (R)SA0+ pec	VF,VS,STELL,*8NP4'
	8"	7.5mmW	VF,EL,OVAL,NND,AV,R=F	
NGC	169	And	Galaxy SA(s)ab: sp	F,PL,D ORBIN,*6NF4'
	8"	7.5mmW	VF,EL,NND,AV,R=F	
NGC	183	And	Galaxy E	PF,VS,R,GBM
	8"	7.5mmW	VF,OVAL,NND,AV,R=F	
NGC	529	And	Galaxy S0-:	PB,VS,SBM,P OF 2
	8"	7.5mmW	MF,OVAL,NND,AV,R=F	
NGC	536	And	H171-3 Galaxy SB(r)b	PB,PL,GBM,F OF 2
	8"	7.5mmW	VF,EL,NND,AV,R=F	
NGC	797	And	H566-3 Galaxy SAB(s)a	VF,S,IR,SBM,*NR
	8"	7.5mmW	VF,OVAL,NND,AV,R=F	
NGC	812	And	Galaxy S pec	EF,PL,E45,BM
	8"	7.5mmW	MF,EL,NND,AV,R=F	
NGC	6030	Her	Galaxy S0^	PF,VS,R,BM
	8"	7.5mmW	VF,OVAL,NND,AV,R=F,VSMALL, 14.5MG	
NGC	6060	Her	Galaxy SAB(rs)c	EF,E,SBM
	8"	7.5mmW	MF,OVAL,FNUC,R=G, 14.3 MAG!	
NGC	6106	Her	H151-2 Galaxy SA(s)c	F,PL,LE,VGBM,R
	8"	7.5mmW	VF,EL,NND,AV,R=F	
NGC	6146	Her	H638-3 Galaxy E?	CF,VS,R,BM
	8"	7.5mmW	VF,EL,NND,AV,R=F	
NGC	6154	Her	H680-3 Galaxy SB(r)a	VF,S,R,LBM,ER
	8"	7.5mmW	VF,EL,OVAL,NND,AV,R=F	
NGC	6155	Her	H690-2 Galaxy S?	F,PS,IF,GBM
	8"	7.5mmW	VF,EON,NND,AV,R=F	
NGC	6166	Her	H875-2 Galaxy E+2 pec	PF,S,VLE,VGMBM
	8"	7.5mmW	VF,OVAL,NND,AV,R=F	

Observations Listing by Date

October 17, 2004 Hidden Hollow - RAS

NGC	6173	Her	H640-3	Galaxy E	CF,VS,R,BM
	8"	7.5mmW	VF,EL,FNUC,AV,R=F		
NGC	6181	Her	H753-2	Galaxy SAB(rs)c	PB,PL,VLE,PGMBM
	8"	7.5mmW	VF,EL,NND,AV,R=F		
NGC	6255	Her	H689-3	Galaxy SBcd:	EF,CL,E90
	8"	7.5mmW	MB,EL,FNUC,R=G		

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NGC	753	And		Galaxy SAB(rs)bc	PB,PL,R,GMBM
	8"	11mmT6	VF, OVAL,NND,AV,R=F		
NGC	956	And		Open Cluster 9.0 IV 2 m	CL,PRI,*9...15
	8"	11mmT6	SMALL OPEN CLUSTER, FEW STARS		
NGC	1023	Per	H156-1	Galaxy SB(rs)0-	VB,VL,VME,VVMBM
	8"	11mmT6	MB,EL,RNUC,R=G		
NGC	1169	Per	H620-2	Galaxy SAB(r)b	PF,PS,IF,SBM
	8"	11mmT6	VF,EL,NND,AV,R=F		
NGC	6939	Cep	H42-6	Open Cluster 11.9 II 1 r	CL,PL,ERI,PCM,*11.16
	8"	11mmT6	MF,R=F, LARGE O.C. LOTS OF STARS		
NGC	6946	Cep	H76-4	Galaxy SAB(rs)cd	VF,VL,VG,VSBM,RR
	8"	11mmT6	MF,OVAL,PATCH,NND,R=F		
NGC	7611	Psc		Galaxy SB0+:	F,S,R,TRIW/2*19N
	8"	7.5mmW	MG,EL,NND,AV,R=F		
NGC	7640	And	H600-2	Galaxy SB(s)c	CF,L,ME164,VLBM,R
	8"	11mmT6	DIFF,EON,NND,LSB,R=F		

Observations Listing by Date

October 6, 2004 Hidden Hollow - RAS

NGC 14 8"	Peg 11mmT6	H591-2 EF,EL,EON,NND,AV,R=F	Galaxy (R)IB(s)m pec	VF,PS,R,GLBM
NGC 40 8"	Cep 7.5mmW	H58-4 MB,R,R=G	Planetary Neb 3b+3	F,VS,R,VSMBM,*12SP
NGC 57 8"	Psc 7.5mmW	H241-2 F,EL,EON,FNUC,R=F	Galaxy E	F,S,R,SBM
NGC 129 8"	Cas 7.5mmW	H79-8 OVAL,R=G	Open Cluster 11.0 III 2 m	CL,VL,PR,LC,*9...13
NGC 193 8"	Psc 11mmT6	H595-3 MF,EL,FNUC,R=F	Galaxy SAB(s)0-:	F,L,P OF2,*15CLOSESP
NGC 194 8"	Psc 11mmT6	H856-2 MF,EL,NND,AV,R=F	Galaxy E	PB,S,R,VGBM
NGC 404 8"	And 7.5mmW	H224-2 VB,EL,OVAL,FNUC,R=G	Galaxy SA(s)0-:	PB,CL,R,GBM,
NGC 559 8"	Cas 7.5mmW	H48-7 HISB,R=F	Open Cluster 9.0 I 1 m	CL,B,PL,PRI
NGC 628 8"	Psc 11mmT6	M74 F,PL,R,NND,R=G	Galaxy SA(s)c	GCL,F,VL,R,VG,PSMBM
NGC 637 8"	Cas 7.5mmW	H49-7 R=F, NOT MANY STARS	Open Cluster 8.0 I 2 m	CL,PS,B\$VF ST
NGC 752 8"	And 7.5mmW	H32-7 EB,R,UB,R=G	Open Cluster 8.0 II 2 r	CL,VVL,RI,*L\$SC
NGC 891 8"	And 11mmT6	H19-5 MB,EL,EON,NND,R=G	Galaxy SA(s)b? sp	B,VL,VME22
NGC 1027 8"	Cas 7.5mmW	H66-8 R=F, SCATTERED STARS	Open Cluster 9.0 II 3 m n	CL,L,SC ST,ONE10M
NGC 1501 8"	Cam 11mmT6	H53-4 MB,OVAL,HISB,R=G	Planetary Neb 3	PLN,PB,PS,VLE,1'DIAM
NGC 1502 8"	Cam 11mmT6	H47-7 OVAL,HISB,R=E	Open Cluster 7.0 I 3 m	CL,PRI,CC,IF
NGC 2403 8"	Cam 11mmT6	H44-5 MB,EL,OVAL,NND,R=G	Galaxy Sc	CB,EL,VME,VGMBMN
NGC 2655 8"	Cam 7.5mmW	H288-1 MB,EL,EON,FNUC,R=G	Galaxy SAB(s)0/a	VB,CL,LE90,GSVMBM
NGC 6781 8"	Aql 11mmT6	H743-3 MB,OVAL,HISB,R=G	Planetary Neb 3+3	PLN,F,L,R,VSBM DISC
NGC 6939 8"	Cep 7.5mmW	H42-6 MF,R=F	Open Cluster 11.9 II 1 r	CL,PL,ERI,PCM,*11.16

Observations Listing by Date

October 6, 2004**Hidden Hollow - RAS**

NGC 6981 8"	Aqr 11mmT6	M72 PB,L,R=G,TIGHT GROUP	Globular	GCL,PB,PL,R,GMCM,RRR
NGC 7042 8"	Peg 7.5mmW	H209-3 VF,OVAL,FNUC,R=G	Galaxy Sb	VF,S,R
NGC 7137 8"	Peg 7.5mmW	H261-2 VF,OVAL,NND,AV,R=F	Galaxy SAB(rs)c	F,PS,R,VGLBM,R
NGC 7317 31"	Peg 17mmT4	Galaxy E4 MB,EL,OVAL,FNUC,R=G		VF,VS
NGC 7318B 31"	Peg 17mmT4	Galaxy SB(s)bc pec MB,EL,OVAL,FNUC,R=G		EF,ES
NGC 7318A 31"	Peg 17mmT4	Galaxy E2 pec MB,EL,OVAL,FNUC,R=G		EF,ES
NGC 7319 31"	Peg 17mmT4	Galaxy SB(s)bc pec MB,EL,OVAL,FNUC,R=G		EF,ES
NGC 7320 31"	Peg 17mmT4	Galaxy SA(s)d MB,EL,OVAL,NND,R=G		F,VS
NGC 7320C 31"	Peg 17mmT4	Galaxy (R)SAB(s)0/a MF,OVAL,NND,AV,R=F		
NGC 7497 8"	Peg 7.5mmW	H203-3 VF,EON,NND,AV,R=F	Galaxy SB(s)d	VF,L,PME45,LBM
NGC 7606 8"	Aqr 11mmT6	H104-1 MB,EL,EON,NND,R=G	Galaxy SA(s)b	PF,CL,PME0
NGC 7686 8"	And 11mmT6	H69-8 EB,OVAL,HISB,R=G	Open Cluster 7.0 III 2 p	CL,P,LC,*7...11
NGC 7723 8"	Aqr 11mmT6	H110-1 MB,OVAL,NND,R=G	Galaxy SB(r)b	CB,CL,E,GMBM,R
NGC 7727 8"	Aqr 11mmT6	H111-1 MB,OVAL,FNUC,R=G	Galaxy SAB(s)a pec	PB,PL,IR,MBM

September 23, 2004 Home

MCG +1-14-37 8"	Ori 7.5mmW	Galaxy B,OVAL,FNUC,R=G		
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Observations Listing by Date

September 19, 2004 Hidden Hollow - RAS

IC	5078	Cap		Galaxy SA(s)c:	
	8"	7.5mmW	VF,NND,AV,R=F		
NGC	436	Cas	H45-7	Open Cluster 10.0 I 2 m	CL,S,IF,PC
	8"	7.5mmW	TYPICAL CLUSTER		
NGC	6903	Cap		Galaxy SAB0- pec:	CL,E,BM*17,*10ATT N
	8"	7.5mmW	B,EL,FNUC,R=G		
NGC	6907	Cap	H141-3	Galaxy SBbc	CF,CL,VLE,VGLBM,3STP
	8"	7.5mmW	VF,PATCH,,NND,AV,R=F		
NGC	7241	Peg		Galaxy SB(s)bc? pec	PF,LE,*10ATT S
	8"	7.5mmW	VF,EL,NND,AV,R=F	MAG.=13.8	
NGC	7457	Peg	H212-2	Galaxy SA(rs)0-?	CB,CL,LE,GMBM,R,2S*N
	8"	7.5mmW	F,EL,UB,NND,R=G		
NGC	7469	Peg	H230-3	Galaxy (R')SAB(rs)a	VF,VS,VSMBM *12
	8"	7.5mmW	B,OVAL,NUC,R=G		
NGC	7479	Peg	H55-1	Galaxy SB(s)c	PB,CL,ME12,BET2ST
	8"	7.5mmW	VF,EL,NND,R=F		
NGC	7497	Peg	H203-3	Galaxy SB(s)d	VF,L,PME45,LBM
	8"	7.5mmW	VF,PATCH,NND,AV,R=F	MAG=13.3	
NGC	7742	Peg	H255-2	Galaxy SA(r)b	CB,CS,GMBM,*12F72"
	8"	7.5mmW	B,EL,OVAL,NND,R=G		
NGC	7743	Peg	H256-2	Galaxy (R)SB(s)0+	PF,S,R,*14SF
	8"	7.5mmW	F,EL,OVAL,NND,R=G		

Observations Listing by Date

September 15, 2004 Hidden Hollow - RAS

NGC	23	Peg	H147-3	Galaxy SB(s)a	3S*+NEB
	8"	7.5mmW	EF,OVAL,PATCH,NND,AV,R=F		
NGC	26	Peg		Galaxy SA(rs)ab	VF,PL,R,2F*N
	8"	7.5mmW	EF,PATCH,NND,AV,R=F, MAG=13.9		
NGC	225	Cas	H78-8	Open Cluster 9.3 III 1 p n	CL,L,LC,*9...10
	8"	11mmT6	LIGHT CLOUDS IN & OUT		
NGC	281	Cas		Nebula E	F,VL,DIF,STRIP*NP
	8"	11mmT6	NEBULA NOT SEEN!		
NGC	381	Cas	H64-8	Open Cluster 10.0 III 1 m	CL,PC
	8"	11mmT6	LIGHT CLOUDS IN & OUT		
NGC	654	Cas	H46-7	Open Cluster 10.0 II 2 r	CL,IF,RI,1*6.7,
	8"	11mmT6	FEWER STARS		
NGC	659	Cas	H65-8	Open Cluster 10.0 I 2 m	CL,LRI,ST B
	8"	11mmT6	SMALLEST OF THREE IN GROUP		
NGC	663	Cas	H31-6	Open Cluster 9.0 II 3 r	CL,B,L,ERI,ST PL
	8"	11mmT6	NICE - LOTS OF STARS		
NGC	4756	Crv	H281-3	Galaxy SAB(s)0^?	VF,PS,RESOLVABLE
	8"	7.5mmW	EF,PATCH,NND,AV,R=F, MAG=13.0		
NGC	7217	Peg	H207-2	Galaxy (R)SA(r)ab	B,PL,GBM,ER
	8"	7.5mmW	F.NND.AV.R=F		
NGC	7320	Peg		Galaxy SA(s)d	F,VS
	8"	7.5mmW	B,EL,FNUC,HISB,R=G		
NGC	7339	Peg	H234-2	Galaxy SAB(s)bc:?	F,PS,ME89,VGLBM,FOF2
	8"	7.5mmW	F,PATCH,NND,AV,R=F		
NGC	7788	Cas		Open Cluster I 2 p	CL,S,PRI,VC,*10,13..
	8"	11mmT6	LIGHT CLOUDS IN & OUT		
NGC	7790	Cas	H56-7	Open Cluster 10.0 II 2 m	CL,PRI,PC
	8"	11mmT6	LIGHT CLOUDS IN & OUT		
NGC	7817	Peg	H227-2	Galaxy SAbc: sp	PF,CL,ME45,LBM
	8"	7.5mmW	EF,OVAL,PATCH,NND,AV,R=F		

Observations Listing by Date

September 12, 2004 Hidden Hollow - RAS

NGC 6207 8"	Her 11mmT6	H701-2 F,S,EL,NND,AV,F	Galaxy SA(s)c	PB,PL,E45,VGMBM
NGC 7339 8"	Peg 11mmT6	H234-2 B,S,EL,OVAL,FNUC,HISB,G	Galaxy SAB(s)bc:?	F,PS,ME89,VGLBM,FOF2
NGC 7448 8"	Peg 11mmT6	H251-2 F,EL,OVAL,NND,AV,F	Galaxy SA(rs)bc	PB,L,E173,VGBM,*F2'
NGC 7720 8"	Peg 11mmT6	H146-3 F,EL,OVAL,NND,AV,F	Galaxy E+ pec: 13.9 (P) MAG.	F,S,LE,BM,AM ST
NGC 7741 8"	Peg 11mmT6	H208-2 B,S,EL,OVAL,FNUC,HISB,G	Galaxy SB(s)cd	CF,CL,IR,D*10,12NP2'
NGC 7768 8"	Peg 11mmT6	Galaxy E F,EL,OVAL,NND,AV,F	14.0 (P) MAG.	VF,S,E,*INV,*P VNR

September 4, 2004 Hidden Hollow - RAS

NGC 6822 8"	Sgr 11mmT6	Galaxy IB(s)m VF,L,OVAL,NND,R=F		VF,L,E,DIF
NGC 6826 8"	Cyg 11mmT6	H73-4 FAINT	Planetary Neb 3a+2	PLN,B,PL,R,*11M

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NGC 6997 8"	Cyg 11mmT6	H58-8 DAMP - SEEING NOT TOO BAD.	Open Cluster III 2 m n	CL,P,LC,ST L
NGC 7160 8"	Cep 11mmT6	H67-8 DAMP - SEEING NOT TOO BAD.	Open Cluster 7.0 I 3 p	CL,P,VLC
NGC 7242 8"	Lac 11mmT6	Galaxy E+: VS,VF		VF,S,LBM,F OF 2
NGC 7662 8"	And 9mm	H18-4 SMALL,FAINT. LOOK @ AGAIN LATER!	Planetary Neb 4+3	PLN ORRING,VB,PS,R

Observations Listing by Date

August 21, 2004 Hidden Hollow - RAS

IC	10	Cas	Galaxy IBm	
	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
IC	2574	UMa	Galaxy SAB(s)m	
	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
NGC	147	Cas	Galaxy E5 pec	VF,VL,IR,GSMBM*11
	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
NGC	185	Cas	H707-2 Galaxy E3 pec	PB,VL,IR,VGMBM,R
	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
NGC	278	Cas	H159-1 Galaxy SAB(rs)b	CB,PL,R,2*10NR
	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
NGC	488	Psc	H252-3 Galaxy SA(r)b	PB,L,R,SVMBM,*8F10'
	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
NGC	524	Psc	H151-1 Galaxy SA(rs)0+	VB,PL,MBM,4S*NR
	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
NGC	722	Ari	Galaxy S?	VF,VS,R,BETA ARI N
	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
NGC	925	Tri	H177-3 Galaxy SAB(s)d	CF,CL,E,VGBM,2*13NP
	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
NGC	2300	Cep	Galaxy SA0^	PB,PL,LE,BM
	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
NGC	6951	Cep	Non-Existent	PB,PL,LE
	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
NGC	7184	Aqr	H1-2 Galaxy SB(r)c	PB,PL,ME64,BET3*,ER
	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
NGC	7332	Peg	H233-2 Galaxy S0 pec sp	CB,S,ME156,SMBMN,P-2
	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
NGC	7380	Cep	H77-8 Open Cluster 10.0 III 2 m n	CL,PL,PRI,LC,*9...13
	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
NGC	7448	Peg	H251-2 Galaxy SA(rs)bc	PB,L,E173,VGBM,*F2'
	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
NGC	7454	Peg	H249-2 Galaxy E4	F,CS,LE,LBM,*11P1'
	8"	11mmT6	****13.6 PHOTO MAGNITUDE****	
NGC	7600	Aqr	H431-2 Galaxy S0- sp	CF,S,R,PSMBM
	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
NGC	7619	Peg	H439-2 Galaxy E	CB,PS,R,PSBM
	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	
NGC	7626	Peg	H440-2 Galaxy E pec:	CB,PS,R,PSBM
	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST	

Observations Listing by Date

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NGC	7635	Cas	H52-4	Nebula E	VF,*8INV L EXCENTRIC
	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST		
NGC	7741	Peg	H208-2	Galaxy SB(s)cd	CF,CL,IR,D*10,12NP2'
	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST		
NGC	7789	Cas	H30-6	Open Cluster 10.0 II 2 r	CL,VL,VRI,VMC,*11.18
	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST		
NGC	7814	Peg	H240-2	Galaxy SA(s)ab: sp	CB,CL,E,VGBM
	8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST		

August 14, 2004 Hidden Hollow - RAS

NGC	5272	CVn	M3	Globular	GCL,EB,VL,VSMBM,*11.
	8"	11mmT6	LARGER THAN I THOUGHT		
NGC	6121	Sco	M4	Globular	CL,8OR10B*LINE,RRR
	8"	11mmT6			
NGC	6205	Her	M13	Globular	GCL,EB,VRI,VGECM,*11
	8"	11mmT6	CAN SEPARATE THE FRONT STARS		
NGC	6266	Oph	M62	Globular	GCL,VB,L,GMBM,RRR,
	8"	11mmT6			
NGC	6341	Her	M92	Globular	GCL,VB,VL,ECM,ST S
	8"	11mmT6			
NGC	6523	Sgr	M8	Nebula E	VB,EL,EIF,W/LCL
	8"	11mmT6			
NGC	6544	Sgr	H197-2	Globular	CF,PL,IR,R
	8"	11mmT6			
NGC	6720	Lyr	M57	Planetary Neb 4+3	RINGNEB,B,PL,CE,LYRA
	8"	11mmT6	F/L W/NEW FOCUSER, NAGLER, DOBSON		
NGC	6853	Vul	M27	Planetary Neb 3+2	VB,VL,BIN,IE,DUMBEL
	8"	11mmT6			

Observations Listing by Date

July 21, 2004

Hidden Hollow - RAS

NGC 6764 8"	Cyg 25mmPL	Galaxy SB(s)bc SHORT NIGHT - CLOUDS ROLLED IN.	PF,PL,ME,SEVVF*INV
NGC 6783 8"	Cyg 25mmPL	Galaxy C SHORT NIGHT - CLOUDS ROLLED IN.	EF,DIFFIC
NGC 6798 8"	Cyg 25mmPL	Galaxy S0 SHORT NIGHT - CLOUDS ROLLED IN.	F,VS,R,*VNR
NGC 6801 8"	Cyg 25mmPL	Galaxy SAcd SHORT NIGHT - CLOUDS ROLLED IN.	EF,PS,R,F*S NR
NGC 6824 8"	Cyg 25mmPL	H878-2 Galaxy SA(s)b: SHORT NIGHT - CLOUDS ROLLED IN.	PB,IF,BM
NGC 6916 8"	Cyg 25mmPL	Galaxy SBbc SHORT NIGHT - CLOUDS ROLLED IN.	EEF,PS,F*NR P,VDIFFI
NGC 7013 8"	Cyg 25mmPL	H203-2 Galaxy SA(r)0/a SHORT NIGHT - CLOUDS ROLLED IN.	PB,CS,R,PSBM,PB*NP
NGC 7116 8"	Cyg 25mmPL	Galaxy S? SHORT NIGHT - CLOUDS ROLLED IN.	VF,PL,ME
NGC 7177 8"	Peg 25mmPL	H247-2 Galaxy SAB(r)b SHORT NIGHT - CLOUDS ROLLED IN.	PB,PS,R,BMN,R,*SP
NGC 7209 8"	Lac 25mmPL	H53-7 Open Cluster 9.0 III 1 m SHORT NIGHT - CLOUDS ROLLED IN.	CL,L,CRI,PC,ST9...12
NGC 7243 8"	Lac 25mmPL	H75-8 Open Cluster 8.0 II 2 m SHORT NIGHT - CLOUDS ROLLED IN.	CL,L,P,LC,ST VL
PGC 63529 8"	Cyg 25mmPL	Galaxy SAB(s)0- SHORT NIGHT - CLOUDS ROLLED IN.	

Observations Listing by Date

July 16, 2004

Hidden Hollow - RAS

NGC 6819 8"	Cyg 25mmPL	Open Cluster 11.0 I 1 r CLEAR - SEEING NOT TOO BAD	CL,VL,VRI,*11...15
NGC 6834 8"	Cyg 25mmPL	H16-8 Open Cluster 11.0 II 2 m CLEAR - SEEING NOT TOO BAD	CL,P,LC,*11...12
NGC 6838 8"	Sge M71 25mmPL	Globular CLEAR - SEEING NOT TOO BAD	CL,VL,VRI,PMC,*11.16
NGC 6866 8"	Cyg 25mmPL	H59-7 Open Cluster 10.0 II 2 r CLEAR - SEEING NOT TOO BAD	CL,L,VRI,CC
NGC 6960 8"	Cyg 25mmPL	H15-5 Nebula E CLEAR - SEEING NOT TOO BAD	PB,CL,EIF,KAPPACYGIN
NGC 6997 8"	Cyg 25mmPL	H58-8 Open Cluster III 2 m n CLEAR - SEEING NOT TOO BAD	CL,P,LC,ST L
NGC 7078 8"	Peg M15 25mmPL	Globular CLEAR - SEEING NOT TOO BAD	GCL,VB,VL,IR,VSMBM
NGC 7217 8"	Peg 25mmPL	H207-2 Galaxy (R)SA(r)ab 10.2 PHOTO MAG. VERY FAINT	B,PL,GBM,ER
NGC 7331 8"	Peg 25mmPL	H53-1 Galaxy SA(s)b 9.5 PHOTO MAG. BRIGHT	B,PL,PME163,SMBM
NGC 7331 31"	Peg 20mmUW	H53-1 Galaxy SA(s)b 9.5 PHOTO MAG. BRIGHTER YET.	B,PL,PME163,SMBM

Observations Listing by Date

July 8, 2004

Hidden Hollow - RAS

NGC 6235 8"	Oph 25mmPL	H584-2 VERY CLEAR NIGHT - LEFT AT 1:00AM	Globular	PB,CL,IR,RRR,*14..16
NGC 6287 8"	Oph 25mmPL	H195-2 VERY CLEAR NIGHT - LEFT AT 1:00AM	Globular	GCL,CB,L,R,GPMCM,RRR
NGC 6366 8"	Oph 25mmPL	H195-2 VERY CLEAR NIGHT - LEFT AT 1:00AM	Globular	F,L,VLBM
NGC 6469 8"	Sgr 25mmPL	Open Cluster IV 2 m VERY CLEAR NIGHT - LEFT AT 1:00AM		CL,PRI,IN MILKY WAY
NGC 6558 8"	Sgr 25mmPL	Open Cluster IV 2 m VERY CLEAR NIGHT - LEFT AT 1:00AM	Globular	GCL,PB,PL,R,GLBM,RRR
NGC 6583 8"	Sgr 25mmPL	H31-7 VERY CLEAR NIGHT - LEFT AT 1:00AM	Open Cluster I 2 m	CL,PRI,PC,CE,ST13...
NGC 6590 8"	Sgr 25mmPL	Open Cluster I 2 m VERY CLEAR NIGHT - LEFT AT 1:00AM	Nebula R	D*CENTRE PF,PL,RNEBY
NGC 6595 8"	Sgr 25mmPL	Open Cluster I 2 m VERY CLEAR NIGHT - LEFT AT 1:00AM	Nebula III 3 m n	F,PL,CE,**INV
NGC 6645 8"	Sgr 25mmPL	H23-6 VERY CLEAR NIGHT - LEFT AT 1:00AM	Open Cluster 12.0 IV 1 m	CL,PL,VRI,PC,ST11.15
NGC 6716 8"	Sgr 25mmPL	Open Cluster 12.0 IV 1 m VERY CLEAR NIGHT - LEFT AT 1:00AM	Open Cluster 8.3 IV 1 p	CL,PRI,ST9...13
NGC 6723 8"	Sgr 25mmPL	Open Cluster 8.3 IV 1 p VERY CLEAR NIGHT - LEFT AT 1:00AM	Globular	GCL,VL,VLE,VGBM,RRR
NGC 6755 8"	Aql 25mmPL	H19-7 DIM - LOOKS LIKE P.N. IN 8	Open Cluster 11.0 II 2 r	CL,VL,VRI,PC,,*12.14
NGC 6756 8"	Aql 25mmPL	H62-7 DIM - LOOKS LIKE P.N. IN 8	Open Cluster 13.0 I 1 m	CL,S,RI,LC,*11...12
NGC 6822 8"	Sgr 25mmPL	Open Cluster 13.0 I 1 m VERY CLEAR NIGHT - LEFT AT 1:00AM	Galaxy IB(s)m	VF,L,E,DIF
NGC 7009 8"	Aqr 25mmPL	H1-4 SMALL IN 8_DOBSON	Planetary Neb 4+6	PLN,VB,S,ELLIPTIC
NGC 7009 31"	Aqr 17mmT4	H1-4 GREAT IN THE BIG ONE!	Planetary Neb 4+6	PLN,VB,S,ELLIPTIC

Observations Listing by Date

June 26, 2004

Hidden Hollow - RAS

CR	470	Cyg	Galaxy	
	8"	25mmPL	INVOLVED W/ IC 5146	
IC	1369	Cyg	Open Cluster 12.1 II 2 m	
	8"	25mmPL	CLOUDS EARLY - GIBBOUS MOON	
IC	4996	Cyg	Open Cluster 8.0 II 3 p n	APPROX 15 STARS
	8"	25mmPL	CLOUDS EARLY - GIBBOUS MOON	
IC	5146	Cyg	Nebula E	
	8"	7.5mmW	INVOLVED WITH CR 470	
NGC	6760	Aql	Globular	2 19 08.6+0057
	8"	25mmPL	CLOUDS EARLY - GIBBOUS MOON	
NGC	6811	Cyg	Open Cluster 11.0 III 1 r	CL,L,PRI,LC,ST11..14
	8"	25mmPL	CLOUDS EARLY - GIBBOUS MOON	
NGC	6871	Cyg	Open Cluster 6.8 II 2 p n	CL,ST L\$\$,D*INV
	8"	25mmPL	CLOUDS EARLY - GIBBOUS MOON	
NGC	6874	Cyg	H86-8 Non-Existent	CL,P,LC
	8"	25mmPL	CLOUDS EARLY - GIBBOUS MOON	
NGC	6883	Cyg	Open Cluster IV 2 m n	CL,PRI,**INV
	8"	25mmPL	CLOUDS EARLY - GIBBOUS MOON	
NGC	6910	Cyg	H56-8 Open Cluster 9.6 I 3 m n	CL,PB,PS,P,PC,*20.12
	8"	25mmPL	CLOUDS EARLY - GIBBOUS MOON	
NGC	6934	Del	H103-1 Globular	GCL,B,L,R,RRR,*16...
	8"	25mmPL	CLOUDS EARLY - GIBBOUS MOON	
NGC	6992	Cyg	H14-5 Nebula E	EF,EL,EE,EIF,BIFID
	8"	25mmPL	CLOUDS EARLY - GIBBOUS MOON	
NGC	7006	Del	H52-1 Globular	B,PL,R,GBM
	8"	25mmPL	CLOUDS EARLY - GIBBOUS MOON	
NGC	7039	Cyg	Open Cluster 11.3 IV 2 m	CL,VL,PRI,E,ST,10...
	8"	25mmPL	CLOUDS EARLY - GIBBOUS MOON	
NGC	7082	Cyg	H52-7 Open Cluster 9.9 IV 2 p	CL,L,CRI,LC,ST10..13
	8"	25mmPL	CLOUDS EARLY - GIBBOUS MOON	
NGC	7209	Lac	H53-7 Open Cluster 9.0 III 1 m	CL,L,CRI,PC,ST9...12
	8"	25mmPL	CLOUDS EARLY - GIBBOUS MOON	

Observations Listing by Date

June 23, 2004

Hidden Hollow - RAS

NGC 5068 8"	Vir 25mmPL	H312-2 QUARTER MOON, LEFT @1:30AM.	Galaxy SAB(rs)cd	F,L,IR,BM
NGC 5634 8"	Vir 25mmPL	H70-1 QUARTER MOON, LEFT @1:30AM.	Globular	GCL,VB,CL,R,GBM,RRR
NGC 5846 8"	Vir 25mmPL	H128-1 QUARTER MOON, LEFT @1:30AM.	Galaxy E0-1	VB,PL,R,PSBMN,F*INVS
NGC 6124 8"	Sco 25mmPL	Open Cluster 9.0 I 3 r QUARTER MOON, LEFT @1:30AM.		CL,B,L,PRI,LCM,*9.11
NGC 6293 8"	Oph 25mmPL	H12-6 QUARTER MOON, LEFT @1:30AM.	Globular	GCL,VB,L,R,PSBM,ST16
NGC 6304 8"	Oph 25mmPL	H147-1 QUARTER MOON, LEFT @1:30AM.	Globular	GCL,B,CL,R,LBM,RRR
NGC 6316 8"	Oph 25mmPL	H45-1 QUARTER MOON, LEFT @1:30AM.	Globular	GCL,CB,PS,R,GVMBM
NGC 6342 8"	Oph 25mmPL	H149-1 QUARTER MOON, LEFT @1:30AM.	Globular	CB,PS,LE,ER
NGC 6355 8"	Oph 25mmPL	H46-1 QUARTER MOON, LEFT @1:30AM.	Globular	CF,L,R,GBM,RRR
NGC 6356 8"	Oph 25mmPL	H48-1 QUARTER MOON, LEFT @1:30AM.	Globular	GCL,VB,CL,VGMBM,RRR
NGC 6441 8"	Sco 25mmPL	Globular QUARTER MOON, LEFT @1:30AM.		GCL,VB,PL,R,VGMBM,
NGC 6633 8"	Oph 25mmPL	H72-8 QUARTER MOON, LEFT @1:30AM.	Open Cluster 8.0 III 2 m	CL,LC,ST L

Observations Listing by Date

June 19, 2004

Hidden Hollow - RAS

NGC	3147	Dra	H79-1	Galaxy SA(rs)bc	VB,L,R,VGVSVMBM
	8"	25mmPL	GOOD NIGHT - MEGASTAR		
NGC	5728	Lib	H184-1	Galaxy SAB(r)a:	PF,PL,PME45,MBM,*10S
	8"	25mmPL	GOOD NIGHT - MEGASTAR		
NGC	5878	Lib	H736-3	Galaxy SA(s)b	PB,PL,PME0,PSMBM
	8"	25mmPL	GOOD NIGHT - MEGASTAR		
NGC	5903	Lib	H139-3	Galaxy E2	CF,S,R,GPMBM
	8"	25mmPL	GOOD NIGHT - MEGASTAR		
NGC	6205	Her	M13	Globular	GCL,EB,VRI,VGECM,*11
	31"	17mmT4	***** AWESOME *****		
NGC	6210	Her		Planetary Neb 2+3b	PLN,VB,VS,R,DISC
	8"	25mmPL	GOOD NIGHT - MEGASTAR		
NGC	6229	Her	H50-4	Globular	GCL,VB,L,R,DISC,R
	8"	25mmPL	GOOD NIGHT - MEGASTAR		
NGC	6401	Oph	H44-1	Globular	PB,PL,R,*12F INV
	8"	25mmPL	GOOD NIGHT - MEGASTAR		
NGC	6405	Sco	M6	Open Cluster 5.5 II 3 r	CL,L,IR,LC,ST7,10...
	8"	25mmPL	GOOD NIGHT - MEGASTAR		
NGC	6440	Sgr	H150-1	Globular	PB,PL,R,BM
	8"	25mmPL	GOOD NIGHT - MEGASTAR		
NGC	6475	Sco	M7	Open Cluster 7.0 I 3 r	CL,VB,PRI,LC,*7...12
	8"	25mmPL	GOOD NIGHT - MEGASTAR		
NGC	6503	Dra		Galaxy SA(s)cd	PF,L,ME,*9F4'
	8"	25mmPL	GOOD NIGHT - MEGASTAR		
NGC	6522	Sgr	H49-1	Globular	GCL,B,PL,R,GVMBM,RRR
	8"	25mmPL	GOOD NIGHT - MEGASTAR		
NGC	6528	Sgr	H200-2	Globular	GCL,PF,CS,R,GBM,RRR
	8"	25mmPL	GOOD NIGHT - MEGASTAR		
NGC	6544	Sgr	H197-2	Globular	CF,PL,IR,R
	8"	25mmPL	GOOD NIGHT - MEGASTAR		
NGC	6553	Sgr	H12-4	Globular	GCL,F,L,LE,VGLBM,RR
	8"	25mmPL	GOOD NIGHT - MEGASTAR		
NGC	6569	Sgr	H201-2	Globular	GCL,CB,L,R,RRR,*15..
	8"	25mmPL	GOOD NIGHT - MEGASTAR		
NGC	6624	Sgr	H50-1	Globular	GCL,VB,PL,R,RRR,ST16
	8"	25mmPL	GOOD NIGHT - MEGASTAR		
NGC	6637	Sgr	M69	Globular	GCL,B,L,R,RRR,*14.16
	8"	25mmPL	GOOD NIGHT - MEGASTAR		

Observations Listing by Date

June 19, 2004

Hidden Hollow - RAS

NGC 6638 8"	Sgr 25mmPL	H51-1 GOOD NIGHT - MEGASTAR	Globular	GCL,B,S,R,RR
NGC 6642 8"	Sgr 25mmPL	H205-2 GOOD NIGHT - MEGASTAR	Globular	GCL,PB,PL,IR,GPMBM
NGC 6643 8"	Dra 25mmPL	Galaxy SA(rs)c GOOD NIGHT - MEGASTAR		PB,PL,E50,2ST P
NGC 6652 8"	Sgr 25mmPL	Globular GOOD NIGHT - MEGASTAR		B,S,LE,RRR,ST15
NGC 6681 8"	Sgr 25mmPL	M70 GOOD NIGHT - MEGASTAR	Globular	GCL,B,PL,R,GBM,
NGC 6709 8"	Aql 25mmPL	Open Cluster 9.0 IV 2 m GOOD NIGHT - MEGASTAR		CL,PRI,LC,IF
NGC 6712 8"	Sct 25mmPL	H47-1 GOOD NIGHT - MEGASTAR	Globular	GCL,PB,VL,IRR,RRR
NGC 6715 8"	Sgr 25mmPL	M54 GOOD NIGHT - MEGASTAR	Globular	GCL,VB,L,R,G,SMBM,
NGC 6717 8"	Sgr 7.5mmW	H143-3 GOOD NIGHT - MEGASTAR	Globular	F,S,RR,CL+NEB
NGC 6738 8"	Aql 25mmPL	Open Cluster IV 2 p GOOD NIGHT - MEGASTAR		CL,P,LC
NGC 6760 8"	Aql 25mmPL	Globular GOOD NIGHT - MEGASTAR		2 19 08.6+0057
NGC 6809 8"	Sgr 25mmPL	M55 GOOD NIGHT - MEGASTAR	Globular	GCL,PB,L,R,VRI,VGBM
NGC 6838 8"	Sge 25mmPL	M71 GOOD NIGHT - MEGASTAR	Globular	CL,VL,VRI,PMC,*11.16
NGC 6864 8"	Sgr 25mmPL	M75 GOOD NIGHT - MEGASTAR	Globular	GCL,B,PL,R,VMBMBN,RR
NGC 6913 8"	Cyg 25mmPL	M29 GOOD NIGHT - MEGASTAR	Open Cluster 9.0 II 3 m n	CL,P,LC,STL\$\$
NGC 6981 8"	Aqr 25mmPL	M72 GOOD NIGHT - MEGASTAR	Globular	GCL,PB,PL,R,GMCM,RRR
NGC 6994 8"	Aqr 25mmPL	M73 GOOD NIGHT - MEGASTAR	Open Cluster 11.1 IV 1 p	CL,EP,VLC,NO NEB
NGC 7089 8"	Aqr 25mmPL	M2 GOOD NIGHT - MEGASTAR	Globular	GCL,B,VL,GPMBM,RRR
NGC 7092 8"	Cyg 25mmPL	M39 GOOD NIGHT - MEGASTAR	Open Cluster 7.0 III 2 m	CL,VL,VP,VLC,*7...10

Observations Listing by Date

June 19, 2004

Hidden Hollow - RAS

NGC 7099 Cap M30 Globular GCL,B,L,LE,GPMBM
8" 25mmPL *** LAST MESSIER OBJECT ***

June 14, 2004

Hidden Hollow - RAS

IC 4715 Sgr Non-Existent
8" 25mmPL SPOTTY CLOUDS - MEGASTAR CONTROL

IC 4725 Sgr M25 Open Cluster 8.0 I 3 m
8" 25mmPL SPOTTY CLOUDS - MEGASTAR CONTROL

NGC 6171 Oph M107 H40-6 Globular GCL,L,VRI,VMC,R,RRR
8" 25mmPL SPOTTY CLOUDS - MEGASTAR CONTROL

NGC 6284 Oph H11-6 Globular GCL,B,L,R,CM,ST16...
8" 25mmPL SPOTTY CLOUDS - MEGASTAR CONTROL

NGC 6333 Oph M9 Globular GCL,B,L,R,ECM,RRR,
8" 25mmPL SPOTTY CLOUDS - MEGASTAR CONTROL

NGC 6402 Oph M14 Globular GCL,B,VL,R,ERI,VGMBM
8" 25mmPL SPOTTY CLOUDS - MEGASTAR CONTROL

NGC 6494 Sgr M23 Open Cluster 10.0 II 2 r CL,B,VL,PRI,LC,*10..
8" 25mmPL SPOTTY CLOUDS - MEGASTAR CONTROL

NGC 6514 Sgr M20 H41-4 Nebula EN+OC VB,VL,TRIFID,D*INV
8" 25mmPL SPOTTY CLOUDS - MEGASTAR CONTROL

NGC 6523 Sgr M8 Nebula E VB,EL,EIF,W/LCL
8" 25mmPL SPOTTY CLOUDS - MEGASTAR CONTROL

NGC 6531 Sgr M21 Open Cluster 8.0 I 3 r CL,PRI,LC,ST9...12
8" 25mmPL SPOTTY CLOUDS - MEGASTAR CONTROL

NGC 6603 Sgr M24 Open Cluster 14.0 I 2 CL,VRI,VMC,R,M WAY
8" 25mmPL SPOTTY CLOUDS - MEGASTAR CONTROL

NGC 6611 Ser M16 Open Cluster 11.0 II 3 m n CL,ATLEAST100* L\$\$
8" 25mmPL SPOTTY CLOUDS - MEGASTAR CONTROL

NGC 6613 Sgr M18 Open Cluster 8.7 II 3 p n CL,P,VLC
8" 25mmPL SPOTTY CLOUDS - MEGASTAR CONTROL

NGC 6618 Sgr M17 Nebula EN+OC B,EL,EIF,2HOOKED
8" 25mmPL SPOTTY CLOUDS - MEGASTAR CONTROL

NGC 6626 Sgr M28 Globular GCL,VB,L,R,GECM,RRR
8" 25mmPL SPOTTY CLOUDS - MEGASTAR CONTROL

NGC 6656 Sgr M22 Globular GCL,VB,VL,R,VRI,VMC
8" 25mmPL SPOTTY CLOUDS - MEGASTAR CONTROL

NGC 6694 Sct M26 Open Cluster 11.0 II 3 m CL,CL,PRI,PC,ST12.15
8" 25mmPL SPOTTY CLOUDS - MEGASTAR CONTROL

NGC 6705 Sct M11 Open Cluster 11.0 I 2 r CL,VB,L,IR,RI,*9,
8" 25mmPL SPOTTY CLOUDS - MEGASTAR CONTROL

Observations Listing by Date

May 24, 2004

Home

NGC 3077
8"

UMa **H286-1** **Galaxy 10 pec**
25mmPL DECENT NIGHT - MEGASTAR CONTROL

CB,CL,MBM,R WITH RAY

Observations Listing by Date

May 22, 2004

Hidden Hollow - RAS

IC	1396	Cep	Open Cluster II3mn	
	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
IC	4665	Oph	Open Cluster 6.0 III 2 m	
	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
NGC	2276	Cep	Galaxy SAB(rs)c	F,60",LBM
	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
NGC	3489	Leo	H101-2 Galaxy SAB(rs)0+	VB,PL,LE80,SMBMN
	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
NGC	4261	Vir	H139-2 Galaxy E2-3	PB,PS,R,GBM
	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
NGC	4267	Vir	H166-2 Galaxy SB(s)0-?	PB,VS,R,VSMBM
	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
NGC	4365	Vir	H30-1 Galaxy E3	CB,PL,VLE,GL,SMBM
	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
NGC	4388	Vir	H168-2 Galaxy SA(s)b: sp	VF,E,SF OF2
	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
NGC	4442	Vir	H156-2 Galaxy SB(s)0^	VB,PL,R,SMBM
	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
NGC	4457	Vir	H35-2 Galaxy (R)SAB(s)0/a	CB,PS,R,SMBMN
	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
NGC	4504	Vir	H771-2 Galaxy SA(s)cd	PB,CL,IE,GVLBM,ER
	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
NGC	4535	Vir	H500-2 Galaxy SAB(s)c	PF,VL,R
	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
NGC	4570	Vir	H32-1 Galaxy S0 sp	CB,PS,ME0,SBMRN
	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
NGC	4636	Vir	H38-2 Galaxy E	B,L,IR,VGVMBM,R
	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
NGC	4643	Vir	H10-1 Galaxy SB(rs)0/a	CB,PS,LE,MBM
	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
NGC	4654	Vir	H126-2 Galaxy SAB(rs)cd	F,VL,PME,(D),3*NR
	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
NGC	4666	Vir	H15-1 Galaxy SABc:	B,VL,ME45,PSBM
	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
NGC	4731	Vir	H41-1 Galaxy SB(s)cd	VF,PL,E
	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
NGC	4753	Vir	H16-1 Galaxy I0	CB,L,VLE,VGLBM
	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	

Observations Listing by Date

May 22, 2004

Hidden Hollow - RAS

NGC	4818	Vir	H549-2	Galaxy SAB(rs)ab pec:	PB,L,PME0,GBM
	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
NGC	4866	Vir	H162-1	Galaxy SA(r)0+: sp	B,PL,ME90,SBMN,S*INV
	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
NGC	4902	Vir	H69-1	Galaxy SB(r)b	PB,PL,IR,ST NR
	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
NGC	4939	Vir	H561-2	Galaxy SA(s)bc	PB,L,R,GMBM
	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
NGC	4958	Vir	H130-1	Galaxy SB(r)0? sp	VB,PS,E,BMBN
	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
NGC	4995	Vir	H42-1	Galaxy SAB(rs)b	PB,PL,R,VGPMBM,*8NP
	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
NGC	5018	Vir	H746-2	Galaxy E3:	CB,S,R,MBMPBN
	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
NGC	5247	Vir	H297-2	Galaxy SA(s)bc	CF,VL,VG,PSMBMLN,
	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
NGC	5363	Vir	H6-1	Galaxy I0?	B,PL,R,PSBM,*8NF
	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
NGC	5364	Vir	H534-2	Galaxy SA(rs)bc pec	CF,L,R,GBM
	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
NGC	5566	Vir	H144-1	Galaxy SB(r)ab	B,PL,R,PSBM,R,*F1.5'
	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
NGC	5660	Boo	H695-2	Galaxy SAB(rs)c	PB,L,IR,VGBM
	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
NGC	5676	Boo	H189-1	Galaxy SA(rs)bc	B,L,E45,PGBM,R
	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
NGC	6093	Sco	M80	Globular	GCL,VB,L,VMBM(VAR*)
	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
NGC	6121	Sco	M4	Globular	CL,8OR10B*LINE,RRR
	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
NGC	6205	Her	M13	Globular	GCL,EB,VRI,VGECM,*11
	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		

Observations Listing by Date

May 16, 2004

Hidden Hollow - RAS

NGC 4123 10"	Vir 28mm	H4-5 CLEAR - MEGASTAR CONTROL	Galaxy SB(r)c	CF,VL,E90,BMN
NGC 4216 10"	Vir 28mm	H35-1 CLEAR - MEGASTAR CONTROL	Galaxy SAB(s)b:	VB,VL,VME17,SBMN
NGC 5897 10"	Lib 28mm	H19-6 CLEAR - MEGASTAR CONTROL	Globular	GCL,PF,L,VIR,VGBM,
NGC 5904 10"	Ser 28mm	M5 CLEAR - MEGASTAR CONTROL	Globular	GCL,VB,L,ECM,*11..15
NGC 6121 10"	Sco 28mm	M4 CLEAR - MEGASTAR CONTROL	Globular	CL,8OR10B*LINE,RRR
NGC 6218 10"	Oph 28mm	M12 CLEAR - MEGASTAR CONTROL	Globular	GCL,VB,VL,IR,GMBM
NGC 6254 10"	Oph 28mm	M10 CLEAR - MEGASTAR CONTROL	Globular	GCL,B,VL,R,GVMBM,RRR
NGC 6266 10"	Oph 28mm	M62 CLEAR - MEGASTAR CONTROL	Globular	GCL,VB,L,GMBM,RRR,
NGC 6273 10"	Oph 28mm	M19 CLEAR - MEGASTAR CONTROL	Globular	GCL,VB,L,R,VCM,RRR

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NGC 2903 8"	Leo 25mmPL	H56-1 L.P. LOUSY-MAG. 9.5 TOPS! MSV5	Galaxy SAB(rs)bc	CB,VL,E,GMBM,R,SPOF2
NGC 3379 8"	Leo 25mmPL	M105 H17-1 L.P. LOUSY-MAG. 9.5 TOPS! MSV5	Galaxy E1	VB,CL,R,PSBM,R
NGC 3384 8"	Leo 25mmPL	H18-1 L.P. LOUSY-MAG. 9.5 TOPS! MSV5	Galaxy SB(s)0-:	VB,L,R,PSMBM,2ND OF3
NGC 3521 8"	Leo 25mmPL	H13-1 L.P. LOUSY-MAG. 9.5 TOPS! MSV5	Galaxy SAB(rs)bc	CB,CL,ME140,VSMBMN
NGC 3607 8"	Leo 25mmPL	H50-2 L.P. LOUSY-MAG. 9.5 TOPS! MSV5	Galaxy SA(s)0^:	VB,L,R,VMBM,2ND OF 3
NGC 3623 8"	Leo 25mmPL	M65 L.P. LOUSY-MAG. 9.5 TOPS! MSV5	Galaxy SAB(rs)a	B,VL,ME165,GBMBN
NGC 3627 8"	Leo 25mmPL	M66 L.P. LOUSY-MAG. 9.5 TOPS! MSV5	Galaxy SAB(s)b	B,VL,ME150,MBM,2*NP
NGC 3628 8"	Leo 25mmPL	H8-5 L.P. LOUSY-MAG. 9.5 TOPS! MSV5	Galaxy Sb pec sp	PB,VL,VME102

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NGC	4449	CVn	H213-1	Galaxy IBm	VB,CL,ME,DORBIFID,*F
	8"	25mmPL	CLEAR - MEGASTAR CONTROL		
NGC	4494	Com	H83-1	Galaxy E1-2	VB,PL,R,VSBMNB
	8"	25mmPL	CLEAR - MEGASTAR CONTROL		
NGC	4526	Vir	H31-1	Galaxy SAB(s)0^:	VB,VL,ME120,PSMBM
	8"	25mmPL	CLEAR - PALM PILOT DIRECTED		
NGC	4546	Vir	H160-1	Galaxy SB(s)0-:	VB,CL,PME78,VSBMNB
	8"	25mmPL	CLEAR - PALM PILOT DIRECTED		
NGC	4699	Vir	H129-1	Galaxy SAB(rs)b	VB,R,VMBMRN,R
	8"	25mmPL	CLEAR - PALM PILOT DIRECTED		
NGC	4856	Vir	H68-1	Galaxy SB(s)0/a	B,R,PSMBM,*13NP
	8"	25mmPL	CLEAR - PALM PILOT DIRECTED		
NGC	5005	CVn	H96-1	Galaxy SAB(rs)bc	VB,VL,VME66,VSBMNB
	8"	25mmPL	CLEAR - MEGASTAR CONTROL		
NGC	5033	CVn	H97-1	Galaxy SA(s)c	VB,PL,E167,SMBMVBN
	8"	25mmPL	CLEAR - MEGASTAR CONTROL		
NGC	5195	CVn	H186-1	Galaxy I0 pec	B,PS,LE,VGBM,INV-M51
	8"	25mmPL	CLEAR - MEGASTAR CONTROL		

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NGC	3031	UMa	M81	Galaxy SA(s)ab	EB,EL,E156,GSVMBMBN	2
	31"	17mmT4	CLEAR NIGHT - MEGASTAR CONTROL			
NGC	3034	UMa	M82 H79-4	Galaxy I0 sp	VB,VL,VME(RAY)	
	31"	17mmT4	CLEAR NIGHT - MEGASTAR CONTROL			
NGC	3166	Sex	H3-1	Galaxy SAB(rs)0/a	B,PS,R,PSMBM,2ND OF3	
	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL			
NGC	3169	Sex	H4-1	Galaxy SA(s)a pec	B,PL,VLE,PGMBM,3RD-3	
	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL			
NGC	3193	Leo	H45-2	Galaxy E2	B,S,VLE,PSLBM,*9NF	
	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL			
NGC	3377	Leo	H99-2	Galaxy E5-6	VB,CL,LE,SVMBMBN	
	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL			
NGC	3384	Leo	H18-1	Galaxy SB(s)0-:	VB,L,R,PSMBM,2ND OF3	
	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL			
NGC	3412	Leo	H27-1	Galaxy SB(s)0^	B,S,LE135,SMBMN	
	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL			
NGC	3575	Leo	Non-Existent		PB,PL,R,*11P	
	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL			
NGC	3593	Leo	H29-1	Galaxy SA(s)0/a:	B,CL,E90,PSMBM	
	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL			
NGC	3628	Leo	H8-5	Galaxy Sb pec sp	PB,VL,VME102	
	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL			
NGC	3640	Leo	H33-2	Galaxy E3	B,PL,R,PSBM	
	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL			
NGC	3810	Leo	H21-1	Galaxy SA(rs)c	B,L,VLE	
	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL			
NGC	4293	Com	H5-5	Galaxy (R)SB(s)0/a	F,VL,E,LBM,R	
	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL			
NGC	4371	Vir	H22-1	Galaxy SB(r)0+	B,PS,R,GBM	
	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL			
NGC	4394	Com	H55-2	Galaxy (R)SB(r)b	PB,LE,BM	
	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL			
NGC	4429	Vir	H65-2	Galaxy SA(r)0+	B,L,CE,PSBM,*10NF	
	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL			
NGC	4435	Vir	H28-1	Galaxy SB(s)0^	VB,CL,R,NP OF 2	
	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL			
NGC	4438	Vir	H28-1	Galaxy SA(s)0/a pec:	B,CL,VLE,R,SF OF 2	
	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL			

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NGC	4459	Com	H161-1	Galaxy SA(r)0+	PB,PL,IR,BM,R,*8SF2'
	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL		
NGC	4473	Com	H114-2	Galaxy E5	PB
	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL		
NGC	4477	Com	H115-2	Galaxy SB(s)0:?	PB,CL
	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL		
NGC	4490	CVn	H198-1	Galaxy SB(s)d pec	VB,VL,ME130,R,SF OF2
	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL		
NGC	4594	Vir	M104 H43-1	Galaxy SA(s)a sp	VB,VL,EE92,VSMBMN
	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL		
NGC	4697	Vir	H39-1	Galaxy E6	VB,L,LE45,SMBMN
	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL		
NGC	4754	Vir	H25-1	Galaxy SB(r)0-:	B,PL,R,PSBM,P OF 2
	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL		
NGC	4762	Vir	H75-2	Galaxy SB(r)0^? sp	PB,VME31,3B*S,F OF 2
	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL		

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NGC	2099	Aur	M37	Open Cluster 11.0 I 2 r	CL,RI,PCM,ST L\$\$
	8"	25mmPL	FULLMOON - **MEGASTAR CONTROL**		
NGC	2168	Gem	M35	Open Cluster 8.0 III 3 r	CL,VL,CRI,PC,ST9..16
	8"	25mmPL	FULLMOON - **MEGASTAR CONTROL**		
NGC	2264	Mon	H5-8	Open Cluster 5.0 III 3 m n	15MON,CL,**,(NEB)
	8"	25mmPL	FULLMOON - **MEGASTAR CONTROL**		
NGC	2281	Aur	H71-8	Open Cluster 8.0 I 3 m	CL,PRI,VLC,ST PL
	8"	25mmPL	FULLMOON - **MEGASTAR CONTROL**		
NGC	2903	Leo	H56-1	Galaxy SAB(rs)bc	CB,VL,E,GMBM,R,SPOF2
	8"	25mmPL	FULLMOON - **MEGASTAR CONTROL**		
NGC	2905	Leo	H57-1	Knot in Galaxy	VF,CL,R,PSBM,R,NFOF2
	8"	25mmPL	FULLMOON - **MEGASTAR CONTROL**		
NGC	3031	UMa	M81	Galaxy SA(s)ab	EB,EL,E156,GSVMBMBN 2
	8"	25mmPL	FULLMOON - **MEGASTAR CONTROL**		
NGC	3034	UMa	M82 H79-4	Galaxy I0 sp	VB,VL,VME(RAY)
	8"	25mmPL	FULLMOON - **MEGASTAR CONTROL**		
NGC	5272	CVn	M3	Globular	GCL,EB,VL,VSMBM,*11.
	8"	25mmPL	FULLMOON - **MEGASTAR CONTROL**		

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NGC 3227 8"	Leo 25mmPL	H29-2 COMPUTER = ARGO NAVIS	Galaxy SAB(s)a pec	PB,CL,R,DW/3226
NGC 3245 8"	LMI 25mmPL	H86-1 COMPUTER = ARGO NAVIS	Galaxy SA(r)0^:?	VB,PL,E0, SMBMEN
NGC 3344 8"	LMI 25mmPL	H81-1 COMPUTER = ARGO NAVIS	Galaxy (R)SAB(r)bc	CB,L,GBM,*INV,2ST F
NGC 3486 8"	LMI 25mmPL	H87-1 COMPUTER = ARGO NAVIS	Galaxy SAB(r)c	CB,CL,R,GMBM

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M	45	Tau	M45	Open Cluster	
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	205	And	M110 H18-5	Galaxy E5 pec	VB,VL,ME165,VGVMBM
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	221	And	M32	Galaxy cE2	VVB,L,R,PSMBMN
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	224	And	M31	Galaxy SA(s)b	EEB,EL,VME,ANDROMEDA 17
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	581	Cas	M103	Open Cluster 9.0 II 2 m	CL,PL,B,R,RI,*10..11
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	598	Tri	M33 H17-5	Galaxy SA(s)cd	EB,EL,R,VGBMN 6
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	628	Psc	M74	Galaxy SA(s)c	GCL,F,VL,R,VG,PSMBM
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	650	Per	M76 H193-1	Planetary Neb 3+6	VB,P OF DNEB
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	1039	Per	M34	Open Cluster 9.0 II 3 r	CL,B,VL,LC,SC ST9
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	1068	Cet	M77	Galaxy (R)SA(rs)b	VB,PL,IR,SBMRRN
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	1432	Tau		Nebula R	EF,VL,DIF, MAIA
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	1904	Lep	M79	Globular	GCL,PL,ERI,EC,RRR
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	1912	Aur	M38	Open Cluster 8.0 II 2 r	CL,B,VL,VRI,IF,STL\$\$
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	1952	Tau	M1	Nebula E	VB,VL,E135,VGLBM,R
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	1960	Aur	M36	Open Cluster 9.0 I 3 r	CL,B,VL,VRI,CL,*9.11
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	1976	Ori	M42	Nebula EN+RN	THETAORI \$GREAT NEB
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	1982	Ori	M43 H1-3	Nebula E	VB,VL,RW/TAIL,MBM*8
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	2068	Ori	M78	Nebula R	B,L,WISP,GMBN,3*INV
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	2099	Aur	M37	Open Cluster 11.0 I 2 r	CL,RI,PCM,ST L\$\$
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		

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NGC	2168	Gem	M35	Open Cluster 8.0 III 3 r	CL,VL,CRI,PC,ST9..16
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	2287	CMa	M41	Open Cluster 8.0 I 3 r	CL,VL,B,LC,ST 8...
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	2323	Mon	M50	Open Cluster 9.0 II 3 r	CL,VL,RI,PC,E,
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	2422	Pup	M47 H38-8	Open Cluster 5.0 I 3 m	CL,B,VL,PRI,ST L\$\$
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	2437	Pup	M46	Open Cluster 10.0 II 2 r	CL,VB,VRI,VL,INV PLN
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	2447	Pup	M93	Open Cluster 9.0 I 3 r	CL,L,PRI,LC,ST8...13
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	2548	Hya	M48 H22-6	Open Cluster 8.0 I 3 r	CL,VL,PRI,PMC,*9..13
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	2632	Cnc	M44	Open Cluster 6.0 II 3 m	PRAESEPE CANCRI
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	2682	Cnc	M67	Open Cluster 9.0 II 3 r	CL,VB,VL,ERI,LC,*10.
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	3031	UMa	M81	Galaxy SA(s)ab	EB,EL,E156,GSVMBMBN 2
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	3034	UMa	M82 H79-4	Galaxy I0 sp	VB,VL,VME(RAY)
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	3351	Leo	M95	Galaxy SB(r)b	B,L,R,PGMBMN
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	3367	Leo	H78-2	Galaxy SB(rs)c	PB,CL,IR,VGLBM,R,1-3
	8"	25mmPL	*12.0 MAG. 2004 MESSIER MAR.*		
NGC	3368	Leo	M96	Galaxy SAB(rs)ab	VB,VL,LE,VSVMBM,R
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	3379	Leo	M105 H17-1	Galaxy E1	VB,CL,R,PSBM,R
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	3556	UMa	M108 H46-5	Galaxy SB(s)cd sp	CB,VL,VME79,PBM,R
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	3587	UMa	M97	Planetary Neb 3a	PLN,VB,VL,R,VVG,VSBM
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	3623	Leo	M65	Galaxy SAB(rs)a	B,VL,ME165,GBMBN
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	3627	Leo	M66	Galaxy SAB(s)b	B,VL,ME150,MBM,2*NP
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		

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NGC 3992 8"	UMa 25mmPL	M109 H61-4 2004 MESSIER MARATHON - ARGO NAVIS	Galaxy SB(rs)bc	CB,VL,PME,SBMBRN
NGC 4192 8"	Com 25mmPL	M98 2004 MESSIER MARATHON - ARGO NAVIS	Galaxy SAB(s)ab	B,VL,VME152,VSVMBM
NGC 4254 8"	Com 25mmPL	M99 2004 MESSIER MARATHON - ARGO NAVIS	Galaxy SA(s)c	B,L,R,GBM,R,3BRSPIRA
NGC 4258 8"	CVn 25mmPL	M106 H43-5 2004 MESSIER MARATHON - ARGO NAVIS	Galaxy Sb	VB,VL,VME0,SBMBN
NGC 4303 8"	Vir 25mmPL	M61 H139-1 2004 MESSIER MARATHON - ARGO NAVIS	Galaxy SAB(rs)bc	VB,VL,VSBM*,BIN
NGC 4321 8"	Com 25mmPL	M100 2004 MESSIER MARATHON - ARGO NAVIS	Galaxy SAB(s)bc	PF,VL,R,VG,PSBMRN
NGC 4374 8"	Vir 25mmPL	M84 2004 MESSIER MARATHON - ARGO NAVIS	Galaxy E1	VB,PL,R,PSBM,R
NGC 4382 8"	Com 25mmPL	M85 2004 MESSIER MARATHON - ARGO NAVIS	Galaxy SA(s)0+ pec	VB,PL,R,BM,*NP
NGC 4406 8"	Vir 25mmPL	M86 2004 MESSIER MARATHON - ARGO NAVIS	Galaxy E3	VB,L,R,GBMN,R
NGC 4472 8"	Vir 25mmPL	M49 2004 MESSIER MARATHON - ARGO NAVIS	Galaxy E2	VB,L,R,MBM,R
NGC 4486 8"	Vir 25mmPL	M87 2004 MESSIER MARATHON - ARGO NAVIS	Galaxy E+0-1 pec	VB,VL,R,MBM,3RD OF 3
NGC 4501 8"	Com 25mmPL	M88 2004 MESSIER MARATHON - ARGO NAVIS	Galaxy SA(rs)b	B,VL,VME
NGC 4548 8"	Com 25mmPL	M91 H120-2 2004 MESSIER MARATHON - ARGO NAVIS	Galaxy SB(rs)b	B,L,LE,LBM
NGC 4552 8"	Vir 25mmPL	M89 2004 MESSIER MARATHON - ARGO NAVIS	Galaxy E0-1	PB,PS,R,GMBM
NGC 4569 8"	Vir 25mmPL	M90 2004 MESSIER MARATHON - ARGO NAVIS	Galaxy SAB(rs)ab	PL,BMN
NGC 4579 8"	Vir 25mmPL	M58 2004 MESSIER MARATHON - ARGO NAVIS	Galaxy SAB(rs)b	B,L,IR,VMBM,R
NGC 4590 8"	Hya 25mmPL	M68 2004 MESSIER MARATHON - ARGO NAVIS	Globular	GCL,L,ERI,VC,IR,ST12
NGC 4594 8"	Vir 25mmPL	M104 H43-1 2004 MESSIER MARATHON - ARGO NAVIS	Galaxy SA(s)a sp	VB,VL,EE92,VSMBMN
NGC 4621 8"	Vir 25mmPL	M59 2004 MESSIER MARATHON - ARGO NAVIS	Galaxy E5	B,PL,LE,VSVMBM,2*P

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NGC	4649	Vir	M60	Galaxy E2	VB,PL,R,FOF DNEB
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	4736	CVn	M94	Galaxy (R)SA(r)ab	VB,L,IR,VSVMBMBN,R
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	4826	Com	M64	Galaxy (R)SA(rs)ab	VB,VL,VME120,BMSBN
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	5024	Com	M53	Globular	GCL,B,VC,IR,VVMBM,
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	5055	CVn	M63	Galaxy SA(rs)bc	VB,L,PME120,VSMBMBN
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	5194	CVn	M51	Galaxy SA(s)bc pec	GREAT SPIRAL NEBULA
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	5236	Hya	M83	Galaxy SAB(s)c	VB,VL,E55,ESBMN,SPIR
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	5272	CVn	M3	Globular	GCL,EB,VL,VSMBM,*11.
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	5457	UMa	M101	Galaxy SAB(rs)cd	PB,VL,IR,G,VSMBMBSN 4
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	5866	Dra	M102 H215-1	Galaxy SA0+ sp	VB,CL,PME146,GBM
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	5904	Ser	M5	Globular	GCL,VB,L,ECM,*11..15
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	6205	Her	M13	Globular	GCL,EB,VRI,VGECEM,*11
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	6341	Her	M92	Globular	GCL,VB,VL,ECM,ST S
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC	7654	Cas	M52	Open Cluster 11.0 II 2 r	CL,L,RI,MCM,R,*9..13
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
WINN	4	UMa	M40	Unknown STAR	
	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		

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NGC	1981	Ori		Open Cluster 10.0 III 3 p n	CL,VB,LRI,ST L,SC
	8"	25mmPL	COMPUTER = ARGONAVIS		
NGC	2237	Mon		Nebula E	PB,VVL,DIF,(2238)
	8"	25mmPL	COMPUTER = ARGONAVIS		
NGC	2244	Mon	H2-7	Open Cluster 7.0 II 3 r n	CL,BEAUTIFUL,STSC
	8"	25mmPL	COMPUTER = ARGONAVIS		
NGC	2252	Mon	H50-8	Open Cluster 9.0 III 2 m n	CL,VL,PRI,LC,STS
	8"	25mmPL	COMPUTER = ARGONAVIS		
NGC	2287	CMa	M41	Open Cluster 8.0 I 3 r	CL,VL,B,LC,ST 8...
	8"	25mmPL	COMPUTER = ARGONAVIS		
NGC	2354	CMa	H16-7	Open Cluster 9.1 III 2 r	CL,CRI,LC
	8"	25mmPL	COMPUTER = ARGONAVIS		
NGC	2360	CMa	H12-7	Open Cluster 10.4 I 3 r	CL,VL,RI,PC,ST9...12
	8"	25mmPL	COMPUTER = ARGONAVIS		
NGC	2383	CMa		Open Cluster 9.8 II 3 m	CL,PS,PMC,ST12
	8"	25mmPL	COMPUTER = ARGONAVIS		
NGC	2384	CMa		Open Cluster 8.6 IV 3 p	CL,LC,BIFID,**
	8"	25mmPL	COMPUTER = ARGONAVIS		
NGC	2905	Leo	H57-1	Knot in Galaxy	VF,CL,R,PSBM,R,NFOF2
	8"	25mmPL	COMPUTER = ARGONAVIS		
NGC	3226	Leo	H28-2	Galaxy E2: pec	PB,CL,R,DW/3227
	8"	25mmPL	COMPUTER = ARGONAVIS		
NGC	3227	Leo	H29-2	Galaxy SAB(s)a pec	PB,CL,R,DW/3226
	8"	25mmPL	COMPUTER = ARGONAVIS		
NGC	3377	Leo	H99-2	Galaxy E5-6	VB,CL,LE,SVMBMBN
	8"	25mmPL	COMPUTER = ARGONAVIS		
NGC	3384	Leo	H18-1	Galaxy SB(s)0-:	VB,L,R,PSMBM,2ND OF3
	8"	25mmPL	COMPUTER = ARGONAVIS		
NGC	3489	Leo	H101-2	Galaxy SAB(rs)0+	VB,PL,LE80,SMBMN
	8"	25mmPL	COMPUTER = ARGONAVIS		
NGC	3521	Leo	H13-1	Galaxy SAB(rs)bc	CB,CL,ME140,VSMBMN
	8"	25mmPL	COMPUTER = ARGONAVIS		
NGC	4192	Com	M98	Galaxy SAB(s)ab	B,VL,VME152,VSMBMN
	8"	25mmPL	COMPUTER = ARGONAVIS		
NGC	4254	Com	M99	Galaxy SA(s)c	B,L,R,GBM,R,3BRSPIRA
	8"	25mmPL	COMPUTER = ARGONAVIS		
NGC	4262	Com	H110-2	Galaxy SB(s)0-?	B,S,R,R
	8"	25mmPL	COMPUTER = ARGONAVIS		

Observations Listing by Date

March 13, 2004

Hidden Hollow - RAS

NGC	4303	Vir	M61	H139-1	Galaxy SAB(rs)bc	VB,VL,VSBM*,BIN
	8"	25mmPL	COMPUTER = ARGONAVIS			
NGC	4321	Com	M100		Galaxy SAB(s)bc	PF,VL,R,VG,PSBMRN
	8"	25mmPL	COMPUTER = ARGONAVIS			
NGC	4374	Vir	M84		Galaxy E1	VB,PL,R,PSBM,R
	8"	25mmPL	COMPUTER = ARGONAVIS			
NGC	4382	Com	M85		Galaxy SA(s)0+ pec	VB,PL,R,BM,*NP
	8"	25mmPL	COMPUTER = ARGONAVIS			
NGC	4394	Com		H55-2	Galaxy (R)SB(r)b	PB,LE,BM
	8"	25mmPL	COMPUTER = ARGONAVIS			
NGC	4406	Vir	M86		Galaxy E3	VB,L,R,GBMN,R
	8"	25mmPL	COMPUTER = ARGONAVIS			
NGC	4435	Vir		H28-1	Galaxy SB(s)0^	VB,CL,R,NP OF 2
	8"	25mmPL	COMPUTER = ARGONAVIS			
NGC	4438	Vir		H28-1	Galaxy SA(s)0/a pec:	B,CL,VLE,R,SF OF 2
	8"	25mmPL	COMPUTER = ARGONAVIS			
NGC	4472	Vir	M49		Galaxy E2	VB,L,R,MBM,R
	8"	25mmPL	COMPUTER = ARGONAVIS			
NGC	4486	Vir	M87		Galaxy E+0-1 pec	VB,VL,R,MBM,3RD OF 3
	8"	25mmPL	COMPUTER = ARGONAVIS			
NGC	4501	Com	M88		Galaxy SA(rs)b	B,VL,VME
	8"	25mmPL	COMPUTER = ARGONAVIS			
NGC	4548	Com	M91	H120-2	Galaxy SB(rs)b	B,L,LE,LBM
	8"	25mmPL	COMPUTER = ARGONAVIS			
NGC	4579	Vir	M58		Galaxy SAB(rs)b	B,L,IR,VMBM,R
	8"	25mmPL	COMPUTER = ARGONAVIS			
NGC	4594	Vir	M104	H43-1	Galaxy SA(s)a sp	VB,VL,EE92,VSMBMN
	8"	25mmPL	COMPUTER = ARGONAVIS			
NGC	4621	Vir	M59		Galaxy E5	B,PL,LE,VSVMBM,2*P
	8"	25mmPL	COMPUTER = ARGONAVIS			
NGC	4647	Vir		H44-3	Galaxy SAB(rs)c	PF,PL,LE115,NPOFDNEB
	8"	25mmPL	COMPUTER = ARGONAVIS			
NGC	4649	Vir	M60		Galaxy E2	VB,PL,R,FOF DNEB
	8"	25mmPL	COMPUTER = ARGONAVIS			
NGC	4826	Com	M64		Galaxy (R)SA(rs)ab	VB,VL,VME120,BMSBN
	8"	25mmPL	COMPUTER = ARGONAVIS			
NGC	5272	CVn	M3		Globular	GCL,EB,VL,VSMBM,*11.
	8"	25mmPL	COMPUTER = ARGONAVIS			

Observations Listing by Date

March 13, 2004		Hidden Hollow - RAS			
NGC	5457	UMa	M101	Galaxy SAB(rs)cd	PB,VL,IR,G,VSMBMSN 4
	8"	25mmPL	COMPTER = ARGO NAVIS		
March 10, 2004		Hidden Hollow - RAS			
NGC	2903	Leo	H56-1	Galaxy SAB(rs)bc	CB,VL,E,GMBM,R,SPOF2
	8"	25mmPL	N/M, NO COMPUTER		
NGC	3607	Leo	H50-2	Galaxy SA(s)0^:	VB,L,R,VMBM,2ND OF 3
	8"	25mmPL	N/M, NO COMPUTER		
NGC	3608	Leo	H51-2	Galaxy E2	B,PL,R,PSBM,3RD OF 3
	8"	25mmPL	N/M, NO COMPUTER		
NGC	3626	Leo	H52-2	Galaxy S0-a	B,S,VLE,SBM
	8"	25mmPL	N/M, NO COMPUTER		
NGC	5457	UMa	M101	Galaxy SAB(rs)cd	PB,VL,IR,G,VSMBMSN 4
	8"	25mmPL	N/M, NO COMPUTER		
March 9, 2004		Home			
NGC	2022	Ori	H34-4	Planetary Neb 4+2	PLN,PB,VS,VLE
	8"	25mmPL	COMPTER = ARGO NAVIS		
NGC	2232	Mon	H25-8	Open Cluster 5.0 III 2 p	B* 10MON +CL
	8"	25mmPL	COMPTER = ARGO NAVIS		
NGC	2264	Mon	H5-8	Open Cluster 5.0 III 3 m n	15MON,CL,**,(NEB)
	8"	25mmPL	COMPTER = ARGO NAVIS		
NGC	2323	Mon	M50	Open Cluster 9.0 II 3 r	CL,VL,RI,PC,E,
	8"	25mmPL	COMPTER = ARGO NAVIS		
NGC	3992	UMa	M109 H61-4	Galaxy SB(rs)bc	CB,VL,PME,SBMBRN
	8"	25mmPL	COMPTER = ARGO NAVIS		
February 28, 2004		Home			
NGC	1432	Tau		Nebula R	EF,VL,DIF, MAIA
	8"	25mmPL	COMPTER = ARGO NAVIS		
NGC	1976	Ori	M42	Nebula EN+RN	THETAORI \$GREAT NEB
	8"	25mmPL	COMPTER = ARGO NAVIS		
NGC	2099	Aur	M37	Open Cluster 11.0 I 2 r	CL,RI,PCM,ST L\$\$
	8"	25mmPL	COMPTER = ARGO NAVIS		
NGC	2632	Cnc	M44	Open Cluster 6.0 II 3 m	PRAESEPE CANCRI
	8"	25mmPL	COMPTER = ARGO NAVIS		
NGC	3031	UMa	M81	Galaxy SA(s)ab	EB,EL,E156,GSVMBMBN 2
	8"	25mmPL	COMPTER = ARGO NAVIS		
NGC	3034	UMa	M82 H79-4	Galaxy I0 sp	VB,VL,VME(RAY)
	8"	25mmPL	COMPTER = ARGO NAVIS		

Observations Listing by Date

February 25, 2004 Hidden Hollow - RAS

NGC 2548 8"	Hya 25mmPL	M48 1ST. QTR.	H22-6	Open Cluster 8.0 I 3 r	CL,VL,PRI,PMC,*9..13
NGC 3351 8"	Leo 25mmPL	M95 1ST. QTR.		Galaxy SB(r)b	B,L,R,PGMBMN
NGC 3368 8"	Leo 25mmPL	M96 1ST. QTR.		Galaxy SAB(rs)ab	VB,VL,LE,VSVMBM,R
NGC 3379 8"	Leo 25mmPL	M105 1ST. QTR.	H17-1	Galaxy E1	VB,CL,R,PSBM,R
NGC 3623 8"	Leo 25mmPL	M65 1ST. QTR.		Galaxy SAB(rs)a	B,VL,ME165,GBMBN
NGC 3627 8"	Leo 25mmPL	M66 1ST. QTR.		Galaxy SAB(s)b	B,VL,ME150,MBM,2*NP

February 16, 2004 Hidden Hollow - RAS

NGC 2682 8"	Cnc 25mmPL	M67 1ST. QTR.		Open Cluster 9.0 II 3 r	CL,VB,VL,ERI,LC,*10.
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December 31, 2003 Home

NGC 457 8"	Cas 25mmPL		H42-7	Open Cluster 8.6 II 3 r	CL,B,L,PRI,*7,8,10
NGC 869 8"	Per 25mmPL		H33-6	Open Cluster 6.6 I 3 r	CL,VVL,VRI,*7...14
NGC 884 8"	Per 25mmPL		H34-6	Open Cluster 6.4 I 3 r	CL,VL,VRI,RUBY*M
NGC 7789 8"	Cas 25mmPL		H30-6	Open Cluster 10.0 II 2 r	CL,VL,VRI,VMC,*11.18
STOCK2 8"	Cas 25mmPL			Open Cluster I 2 m	

Observations Listing by Date

December 30, 2003 Hidden Hollow - RAS

NGC	2287	CMa	M41	Open Cluster 8.0 I 3 r	CL,VL,B,LC,ST 8...
	8"	25mmPL	H/M COLD.		
NGC	2422	Pup	M47 H38-8	Open Cluster 5.0 I 3 m	CL,B,VL,PRI,ST L\$\$
	8"	25mmPL	H/M COLD		
NGC	2437	Pup	M46	Open Cluster 10.0 II 2 r	CL,VB,VRI,VL,INV PLN
	8"	25mmPL	H/M COLD		
NGC	2447	Pup	M93	Open Cluster 9.0 I 3 r	CL,L,PRI,LC,ST8...13
	8"	25mmPL	H/M COLD		
NGC	3031	UMa	M81	Galaxy SA(s)ab	EB,EL,E156,GSVMBMBN 2
	8"	25mmPL	H/M COLD		
NGC	3034	UMa	M82 H79-4	Galaxy I0 sp	VB,VL,VME(RAY)
	8"	25mmPL	H/M COLD		
NGC	4736	CVn	M94	Galaxy (R)SA(r)ab	VB,L,IR,VSVMBMBN,R
	8"	25mmPL	H/M COLD		
NGC	5055	CVn	M63	Galaxy SA(rs)bc	VB,L,PME120,VSMBMBN
	8"	25mmPL	H/M COLD		
NGC	5194	CVn	M51	Galaxy SA(s)bc pec	GREAT SPIRAL NEBULA
	8"	25mmPL	H/M COLD		
WINN	4	UMa	M40	Unknown STAR	
	8"	25mmPL	H/M COLD		

December 28, 2003 Home

NGC	7078	Peg	M15	Globular	GCL,VB,VL,IR,VSMBM
	8"	25mmPL	Q/M COLD		

Observations Listing by Date

December 26, 2003 Hidden Hollow - RAS

M	45 8"	Tau 25mmPL	M45 COMPTER = ARGO NAVIS	Open Cluster	
M	45 8"	Tau 25mmPL	M45 Q/M COLD	Open Cluster	
NGC	205 8"	And 25mmPL	M110 H18-5 Q/M COLD	Galaxy E5 pec	VB,VL,ME165,VGVMBM
NGC	221 8"	And 25mmPL	M32 Q/M COLD	Galaxy cE2	VVB,L,R,PSMBMN
NGC	224 8"	And 25mmPL	M31 Q/M COLD	Galaxy SA(s)b	EEB,EL,VME,ANDROMEDA 17
NGC	581 8"	Cas 25mmPL	M103 Q/M COLD	Open Cluster 9.0 II 2 m	CL,PL,B,R,RI,*10..11
NGC	598 8"	Tri 25mmPL	M33 H17-5 Q/M COLD	Galaxy SA(s)cd	EB,EL,R,VGBMN 6
NGC	650 8"	Per 25mmPL	M76 H193-1 Q/M COLD	Planetary Neb 3+6	VB,P OF DNEB
NGC	1039 8"	Per 25mmPL	M34 Q/M COLD	Open Cluster 9.0 II 3 r	CL,B,VL,LC,SC ST9
NGC	1432 8"	Tau 25mmPL	M79 Q/M COLD	Nebula R	EF,VL,DIF, MAIA
NGC	1904 8"	Lep 25mmPL	M79 Q/M COLD	Globular	GCL,PL,ERI,EC,RRR
NGC	1912 8"	Aur 25mmPL	M38 Q/M COLD	Open Cluster 8.0 II 2 r	CL,B,VL,VRI,IF,STL\$\$
NGC	1952 8"	Tau 25mmPL	M1 Q/M COLD	Nebula E	VB,VL,E135,VGLBM,R
NGC	1960 8"	Aur 25mmPL	M36 Q/M COLD	Open Cluster 9.0 I 3 r	CL,B,VL,VRI,CL,*9.11
NGC	1976 8"	Ori 25mmPL	M42 Q/M COLD	Nebula EN+RN	THETAORI \$GREAT NEB
NGC	1982 8"	Ori 25mmPL	M43 H1-3 Q/M COLD	Nebula E	VB,VL,RW/TAIL,MBM*8
NGC	2068 8"	Ori 25mmPL	M78 Q/M COLD	Nebula R	B,L,WISP,GMBN,3*INV
NGC	2099 8"	Aur 25mmPL	M37 Q/M COLD	Open Cluster 11.0 I 2 r	CL,RI,PCM,ST L\$\$
NGC	2168 8"	Gem 25mmPL	M35 Q/M COLD	Open Cluster 8.0 III 3 r	CL,VL,CRI,PC,ST9..16

Observations Listing by Date

December 26, 2003 Hidden Hollow - RAS

NGC 2632 8"	Cnc 25mmPL	M44 Q/M COLD	Open Cluster 6.0 II 3 m	PRAESEPE CANCRI
NGC 3556 8"	UMa 25mmPL	M108 H46-5 Q/M COLD	Galaxy SB(s)cd sp	CB,VL,VME79,PBM,R
NGC 3587 8"	UMa 25mmPL	M97 Q/M COLD	Planetary Neb 3a	PLN,VB,VL,R,VVG,VSBM
NGC 4258 8"	CVn 25mmPL	M106 H43-5 Q/M COLD	Galaxy Sb	VB,VL,VME0,SBMBN
NGC 6720 8"	Lyr 25mmPL	M57 Q/M COLD	Planetary Neb 4+3	RINGNEB,B,PL,CE,LYRA
NGC 6779 8"	Lyr 25mmPL	M56 Q/M COLD	Globular	GCL,B,L,IR,GVMCM,RRR
NGC 6853 8"	Vul 25mmPL	M27 Q/M COLD	Planetary Neb 3+2	VB,VL,BIN,IE,DUMBEL
NGC 7654 8"	Cas 25mmPL	M52 Q/M COLD	Open Cluster 11.0 II 2 r	CL,L,RI,MCM,R,*9..13

November 8, 2003 Hidden Hollow - RAS

NGC 6205 8"	Her 25mmPL	M13 FIRST OBJECT @ WARREN RUPP OBSV.	Globular	GCL,EB,VRI,VGECM,*11
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October 10, 2003 Home

NGC 6720 8"	Lyr 25mmPL	M57 FIRST LIGHT - FIRST OBJECT	Planetary Neb 4+3	RINGNEB,B,PL,CE,LYRA
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