

Gemini - The Twins

ABELL 21		Planetary Neb
Dec 28 2008 31"	17mmT4	VDIF,PF,VL,L DIF AREA OF NEB,PATCHY IN AREAS,OIII HELPS SOMEWHAT,NEB BRTER,R=F
Jan 24 2004 31"	24mmTP	DIF,PF,VL,UB,WITH OIII,PATCHY AREAS IN 2 HALVES CENTERED AROUND *,R=G
IC 443		Nebula E
Jan 24 2004 31"	24mmTP	DIF,PF,VL,PATCH,UB,PATCHY AREA DET,SNR,R=F
IC 444		Nebula R
Jan 24 2004 31"	24mmTP	DIF,VF,EL,UB,SEVERAL FOV'S,SOME PATCH AREAS DET,R=P
IC 454		Galaxy SBab
Jan 20 2004 31"	17mmT4	MF,PL,ELONG TO EDGE ON,UB,NND,SEVERAL F*S IN EDGE,R=F
IC 474		Galaxy S
Jan 20 2004 31"	17mmT4	MF,MS,ELONG,SMALL BNUC,MOD HISB MIDDLE,R=G
IC 475		Galaxy S?
Jan 20 2004 31"	17mmT4	MF,MS,ELONG,LARGE FNUC,R=G
IC 476		Galaxy SB
Dec 06 2002 12.5"	9mmT6	EDIF,EF,VS,AVERTED VISION,CLOSE COMP=2449
IC 477		Galaxy L
Jan 20 2004 31"	17mmT4	PF,MS,OVAL,SMALL FNUC,VERY SMALL NUC,BM,R=F
IC 478		Galaxy
Jan 20 2004 31"	17mmT4	DIF,MF,MS,OVAL,PATCH,UB,NND,B* IN FOV,R=F
IC 479		Galaxy SBc
Jan 20 2004 31"	17mmT4	DIF,MF,MS,R,NND,ONE SIDE APPEARS BRTER THAN THE OTHER,R=F
IC 480		Galaxy Sbc
Jan 20 2004 31"	17mmT4	MF,ML,EDGE ON,UB,NND,CENTRAL BULGE,R=G
IC 481		Galaxy S
Jan 20 2004 31"	17mmT4	MF,MS,EDGE ON,NND,SOMEWHAT CENTRAL BULGE,R=F
IC 482		Galaxy S
Jan 20 2004 31"	17mmT4	MF,MS,OVAL,PATCH,SMALL FNUC,R=F
IC 484		Galaxy S
Jan 20 2004 31"	17mmT4	MF,MS,ELONG,SMALL FNUC,SBM,PAIRS=IC486,PGC22435,IC485,R=F
IC 485		Galaxy Sa:
Jan 20 2004 31"	17mmT4	MF,PS,ELONG,SMALL FNUC,PAIRS=IC486,IC484,PGC22435,R=F
IC 486		Galaxy SBa

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IC 486		Galaxy SBa
Jan 20 2004 31"	17mmT4	MF,ML,OVAL,LARGE BNUC,MHISB,PAIRS=IC484,IC485,PGC22435,R=G
IC 2156		Open Cluster cluster?
Feb 15 2004 31"	17mmT4	VB,PL,SMALLER OF THE TWO,APPROX 20"S MOSTLY SAME MAG,BOTH NICE IN 17MM,R=F
IC 2157		Open Cluster 12.0 II 1 p
Feb 15 2004 31"	17mmT4	VB,VL,APPROX 30"S VARIOUS MAGNITUDES,CLOSE PAIR=IC2156,NICE IN 17MM,R=F
Jan 24 2004 31"	17mmT4	PB,PL,APPROX 20"S,2 PARTS, WELL PLACED IN 17MM,R=F
IC 2176		Galaxy S
Jan 20 2004 31"	17mmT4	PF,MS,OVAL,SMALL FNUC,SOMEWHAT MHISB IN MIDDLE,PAIR=IC2178,R=F
IC 2178		Galaxy
Jan 20 2004 31"	17mmT4	MF,MS,UB,NND,PAIR=IC2176,R=F
IC 2180		Galaxy Sab
Jan 20 2004 31"	17mmT4	MF,ML,OVAL,LARGE FNUC,SBM,R=F
IC 2181		Galaxy Sab
Jan 20 2004 31"	17mmT4	MF,MS,OVAL,LARGE FNUC,R=F
IC 2185		Galaxy S?
Jan 20 2004 31"	17mmT4	MF,PS.PATCH,UB,NND,R=F
IC 2186		Galaxy S
Jan 20 2004 31"	17mmT4	MF,MS,SMALL BNUC,SHISB,PAIR=IC2187,R=F
IC 2187		Galaxy
Jan 20 2004 31"	17mmT4	MF,MS,SMALL BNUC,SHISB,B* ON EDGE,PAIR=IC2186,R=F
IC 2191		Galaxy L
Dec 06 2002 12.5"	9mmT6	VDIF,VF,MS,PATCH,SLIGHTLY ELONG,UB
IC 2193		Galaxy Sb
Jan 20 2004 31"	17mmT4	MF,ML,OVAL,LARGE BNUC,HISB,R=G
Jan 20 2004 31"	17mmT4	MF,ML,OVAL,LARGE FNUC,SHISB MIDDLE,R=G
Nov 24 2003 31"	17mmT4	MB,ML,ELONG,SMALL FNUC,SOFT NUC,MOD HISB MIDDLE
IC 2194		Galaxy Sb
Nov 24 2003 31"	17mmT4	MB,MS,R,SMALL BNUC,GBM,HISB MIDDLE,R=G
IC 2196		Galaxy E
Jan 24 2004 31"	17mmT4	PB,ML,R,LARGE BNUC,MOD HISB MIDDLE,R=G
Nov 24 2003 31"	17mmT4	PB,PL,R,SMALL BNUC,SLIGHTLY BM,HISB MIDDLE,R=G
IC 2197		Galaxy S

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IC	2197		Galaxy S
Jan 24 2004	31"	17mmT4	PF,PS,PATCH,NND,LOC IN GROUPING OF 4 *S,R=P
IC	2198		Galaxy
Jan 20 2004	31"	17mmT4	PB,ML,R,LARGE BNUC,HISB,GMBM,R=G
IC	2199		Galaxy SB?
Jan 20 2004	31"	17mmT4	PB,VL,PATCH,UB,NND,SHISB,R=G
IC	2201		Galaxy Sa
Nov 24 2003	31"	17mmT4	DIF,MF,PS,ELONG,UB,NND,F* ON EDGE,R=F
IC	2203		Galaxy SBcd
Jan 20 2004	31"	17mmT4	DIF,MF,PL,OVAL,PATCH,UB,NND,R=F
IC	2204		Galaxy (R)SB(r)ab
Jan 20 2004	31"	17mmT4	MF,PL,OVAL,PATCH,SMALL BNUC,SHISB MIDDLE,R=G
IC	2205		Galaxy
Dec 06 2002	12.5"	9mmT6	EDIF,VF,PS,OVAL PATCH,UB,FOV WITH 2449
IC	2207		Galaxy Scd:
Nov 17 2012	36"	17mmT4	VF,MS,EDGE ON,FNUC,VF* BOTH TIPS,CENTRAL BULGE,R=F
Jan 20 2004	31"	17mmT4	MF,PL,EDGE ON,NND,F* IN CENTRAL REGION,CENTRAL BULGE,R=F
IC	2211		Galaxy Sa
Jan 20 2004	31"	17mmT4	MF,ML,ELONG,LARGE BNUC,MOD HISB MIDDLE,R=G
IC	2212		Galaxy S
Jan 20 2004	31"	17mmT4	DIF,MF,MS,OVAL,PATCH,LARGE FNUC,R=F
IC	2213		Galaxy S
Jan 20 2004	31"	17mmT4	MF,MS,OVAL,R,SMALL FNUC,VF* IN EDGE,FARMS DET,R=G
IC	2215		Open Cluster
Jan 24 2004	31"	17mmT4	MF,MS,APPROX 8*S IN A LINE.CLOSE TO NGC2498,R=P
J	900		Planetary Neb 3b+2
Dec 28 2008	31"	17mmT4	PB,VS,R,UB,NO C*,VS BRT BLUE BALL,* CLOSE,OIII MAKE NEB BRTER,R=G
Feb 17 2004	31"	17mmT4	PB,MS,R,HISB,FAINT HALO AROUND OBJECT DET,OIII,R=E
Feb 17 2004	31"	17mmT4	DIF,PB,MS,BRT BLUE,* CLOSE BY,CENTRAL BRIGHTNESS DET,R=G
MAC	0708+3241		Galaxy
Jan 20 2004	31"	17mmT4	EDIF,EF,PS,PATCH,UB,NND,AV,R=P
MAC	0714+1856		Galaxy
Jan 20 2004	31"	17mmT4	MF,MS,PATCH,SOMEWHAT BM,R=F

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MAC 0722+3227**Galaxy**

Jan 20 2004 31" 17mmT4 VF,VS,PATCH,NND,ALMOST STELLAR,R=P

MAC 0724+3243**Galaxy**

Jan 20 2004 31" 17mmT4 VDIF,EF,VS,PATCH,NND,CLOSE TO *,PAIR=PGC20938,AV,R=P

MAC 0729+1952**Galaxy**

Jan 29 2014 36" 17mmT4 PF,PS,OVAL,LARGE FNUC,PAIR=MAC,R=PF

MAC 0729+1953**Galaxy**

Jan 29 2014 36" 17mmT4 PF,PS,OVAL,LFNUC,PAIR=MAC,R=PF

MAC 0748+2853**Galaxy**

Mar 17 2007 31" 17mmT4 VF,VS,PATCH,UB,NND,PAIRS=PGC21870/MAC'S,R=P

MAC 0748+2854**Galaxy**

Mar 17 2007 31" 17mmT4 VF,VS,PATCH,UB,NND,PAIRS=PGC21870/MAC'S,R=P

MAC 0749+2857**Galaxy**

Mar 17 2007 31" 17mmT4 VF,PS,PATCH,UB,NND,PAIRS=PGC21870/MAC'S,R=P

MINK 1-7**Planetary Neb 2**

Dec 28 2008 31" 17mmT4 MB,VS,R,UB,BRT BLUEISH,NO C*,OIII DOESN'T HELP MUCH,R=G

Feb 17 2004 31" 17mmT4 DIF,VF,MS,R,BRT BLUE,R NUC,NO CENTRAL *,FT NEB AROUND CENTRAL REGION,OIII,R=G

NGC 2129**H26-8****Open Cluster 10.0 I 3 m****CL,PL,40OR50ST8...15**

Oct 30 1981 12.5" 16mm MB,ML,2B**S IN CLUSTER SURR BY 10-15**S

NGC 2158**H17-6****Open Cluster 15.0 II 3 r****CL,PS,MC,VRI,IRRTRI**

Oct 30 1981 12.5" 12mm RESOLVED,DOZEN OR SO B**S IN FRONT OF FAINT HALO OF **S

Mar 27 1981 12.5" 24mm

Sep 10 1980 12.5" 24mm

NGC 2168**M35****Open Cluster 8.0 III 3 r****CL,VL,CRI,PC,ST9..16**

Mar 08 2013 36" 17mmT4 MESSIER MARATHON 2013

Mar 19 2004 12.5" 12mmT4 MESSIER MARATHON 2004

Mar 02 1984 10" 20mm SAME

Mar 27 1982 12.5" 24mm VB,EL,BRT IN FINDER,HUNDRES OF **S APPROX SAME MAG

Oct 30 1981 12.5" 24mm VB,VL,WELL DISPERSED

Mar 27 1981 12.5" 24mm MESSIER MARATHON 1981

Dec 03 1980 12.5" 24mm

Oct 31 1980 12.5" 24mm

Sep 10 1980 12.5" 24mm

NGC 2224**H35-7****Open Cluster cluster?****CL,PC(WITH NEB)**

Dec 06 2002 12.5" 24mm VB,VL,APPROX 20**S,LOOSE SCATTERED,NOT WELL PLACED

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NGC 2234 Dec 06 2002 12.5" 24mm	H9-8 VB,VL,NOT WELL PLACED,APPROX 50 *S VARIOUS MAGNITUDES	Open Cluster 11.0 cluster?	CL,EL,PRI,LC,ST L\$S
NGC 2266 Feb 21 1984 12.5" 16mm Oct 30 1981 12.5" 12mm	H21-6 SAME,APPROX 50-100*S,FORMS SOMEWHAT A TRI,MB,ML PB,ML,30*S,1BRT * E SIDE	Open Cluster 11.0 II 2 m	CL,PS,EC,RI,ST11..15
NGC 2274 Oct 05 2002 12.5" 9mmT6	H615-2 PB,PL,BNUC,R-OVAL,LARGE NUC,MOD HISB,PAIR/2275	Galaxy E	F,S,BM
NGC 2275 Oct 05 2002 12.5" 9mmT6	H614-2 PB,VL,PATCH,MOD HISB,NND,PAIR/2274	Galaxy S?	EF,VS
NGC 2288 Nov 17 2012 36" 17mmT4 Dec 06 2002 12.5" 9mmT6	MF,MS,UB,NND,OTHERS,EXCELLENT FOV,R=F EDIF,EF,ES,COMES AND GOES WITH AVERTED VISION,CLUSTER OF 6 GAL	Galaxy	CF,S,R,
NGC 2289 Nov 17 2012 36" 17mmT4 Dec 06 2002 12.5" 9mmT6	MB,ML,LBNUC,HISB MIDDLE,HALO,OTHERS,EXCELLENT FOV,R=G VDIF,VF,MS,PATCH,OVAL,UB,CLUSTER OF 6 GAL	H898-3 Galaxy S0	EF,VS
NGC 2290 Nov 17 2012 36" 17mmT4 Dec 06 2002 12.5" 9mmT6	MB,ML,LBNUC,HISB MIDDLE,HALO,OTHERS,EXCELLENT FOV,R=G VDIF,VF,MS,FNUC,SBM,OVAL,CLUSTER OF 6 GAL	H897-3 Galaxy (R)SAa:	F,S,GBM
NGC 2291 Nov 17 2012 36" 17mmT4 Dec 06 2002 12.5" 9mmT6	MB,ML,SFNUC,SOMEWHAT HISB,OTHERS,EXCELLENT FOV,R=G EDIF,EF,ES,SUSPECT ONLY,LOCATION GOOD,CLUSTER OF 6 GAL	Galaxy SA0^:	EF,VS
NGC 2294 Nov 17 2012 36" 17mmT4 Dec 06 2002 12.5" 9mmT6	MB,ML,UB,NND,MHISB,OTHERS,EXCELLENT FOV,R=F DIF,PF,PS,PATCH,UB,OVAL,CLUSTER OF 6 GAL	Galaxy E6?	EEF
NGC 2304 Feb 21 1984 12.5" 16mm Oct 30 1981 12.5" 16mm Oct 31 1980 12.5" 24mm	SAME MF,ML,WEDGE SHAPE,F*S SAME MAG,APPROX 50*S VERY COMPACT,LOOKS LIKE A GAL,MANY F*S GIVES APPEAR OF NEB	H2-6 Open Cluster II 1 m	CL,PL,RI,MC,ST VS
NGC 2331 Oct 05 2002 12.5" 32mm	VF,EL,LOOSE OPEN CLUSTER,APPROX 20*S,SAME MAG	H40-8 Open Cluster 9.0 IV 2 m	CL,L,VLC,S CL INV
NGC 2333 Dec 06 2002 12.5" 9mmT6	PF,MS,MOD HISB,OVAL-PATCH,SBM	H899-3 Galaxy Sa	VF,S,R,BM
NGC 2339 Feb 21 1984 12.5" 16mm Oct 30 1981 12.5" 12mm	SAME DIF,PF,ML,14* IN GAL E SIDE,MOD HISB,NND	H769-2 Galaxy SAB(rs)bc	PB,PL,R,GLBM

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NGC 2339 Oct 31 1980 12.5" 24mm	H769-2 AMONG FIELD OF RICH *S,UB	Galaxy SAB(rs)bc	PB,PL,R,GLBM
NGC 2341 Oct 30 1981 12.5" 12mm		Galaxy Pec	VF,VS
	VF,PS,F* NW SIDE,MOD HISB,OVAL-PATCHY,NND,PAIR/2342		
NGC 2342 Oct 30 1981 12.5" 12mm		Galaxy S pec	PF,S,LE,VLBM
	VDIF,PF,MS,PATCHY,UB,NND,PAIR/2341		
NGC 2355 Feb 21 1984 12.5" 16mm Oct 16 1982 12.5" 24mm Oct 30 1981 12.5" 24mm	H6-6 SAME MF,ML,B* N 1 OBJECT DIA,FEW B*S WITH 50 FAINTER *S,SCATTERED B* SURR BY SEVERAL F*S,DIF HALO OF FAINTER *S IN BACKGROUND	Open Cluster 13.0 II 2 m	CL,PS,PRI,MC,*15..16
NGC 2357 Nov 17 2012 36" 17mmT4 Jan 08 2003 12.5" 9mmT6 Oct 30 1981 12.5" 12mm		Galaxy Scd:	EF,L,ME,BM,FST INV
	MB,VL,EDGE ON,UB,NND,SLIVER,TAPPERED ENDS,PA~120,R=G VDIF,PF,ML,EDGE ON,UB,NND,POPS IN AND OUT WITH AVERTED VISION VDIF,PF,MS,EDGE ON,B* OFF N SIDE,NNS,UB		
NGC 2365 Oct 30 1981 12.5" 12mm		Galaxy SABa	VF,PS,R,PSBM
	DIF,PF,MS,F* IN GAL W SIDE,SBM,HISB,NEC DET		
NGC 2370 Oct 30 1981 12.5" 12mm		Galaxy SB?	EF,VS,E
	F* E SIDE,VDIF,VF,ES,ELONG,NNS		
NGC 2371 Dec 28 2008 31" 17mmT4 Feb 21 1984 12.5" 12mm Feb 21 1984 12.5" 12mm Oct 23 1982 12.5" 12mm Oct 23 1982 12.5" 12mm Dec 03 1980 12.5" 24mm Dec 03 1980 12.5" 24mm Oct 31 1980 12.5" 16mm Oct 31 1980 12.5" 16mm	H316-2 PB,PL,C*15,2 HALVES,LOBS BOTH SIDES,SHISB,HOUR GLASS SH,OIII HELPS V LITTLE,R=E SAME SAME,SOUTH PART BRT THAN N,CENTRAL * DET,VF,VS SEE 2371 MF,MS,2 PARTS EASILY DET,W SIDE BRT,BOTH MOD HISB,NSS DOUBLE NEBULA,2 NEB ON TOP OF EACH OTHER,NICE!! DOUBLE NEBULA,2 NEB ON TOP OF EACH OTHER,NICE!!	Planetary Neb 3a+2	B,S,R,BMN,P OF DNEB
NGC 2373 Dec 06 2002 12.5" 9mmT6 Oct 30 1981 12.5" 12mm		Galaxy S?	EF,VS
	DIF,VF,PS,VERY CLOSE TO F*,PATCH,UB,PAIR/2379/2375 SUSP IN SMALL TRI OF *S???,BRIGHT IN MIDDLE?		
NGC 2375 Nov 17 2012 36" 17mmT4 Dec 06 2002 12.5" 9mmT6		Galaxy SB(s)b	EF,VS,2379F17S
	PF,PS,OVAL,UB,NND,PAIR=2378,R=F NO FIND,LOCATION GOOD,PAIR/2373/2379		
NGC 2376 Dec 06 2002 12.5" 9mmT6		Galaxy Sbc	EF,VS
	DIF,PF,VS,OVAL PATCH,UB		

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NGC 2378		Galaxy SA0:	2VF CLOSE ST INEFNEB
Nov 17 2012 36"	17mmT4	MF,PS,R,LBNUC,PAIR=2375,R=F	
Dec 06 2002 12.5"	9mmT6	DIF,PF,MS,OVAL,PATCH,UB,NND,PAIR/2375/2373	
NGC 2385		H703-3 Galaxy Sb	VF,VS,R,BM
Dec 06 2002 12.5"	9mmT6	EDIF,EF,ES,COMES AND GOES WITH AVERTED VISION	
NGC 2388		H900-3 Galaxy S?	VF,S,R,BM
Dec 06 2002 12.5"	9mmT6	DIF,PF,MS,PATCH,UB,OVAL,PAIR/2389	
NGC 2389		H901-3 Galaxy SAB(rs)c	VF,S,R,PSBM
Dec 06 2002 12.5"	9mmT6	DIF,PF,MS,PATCH,SBM,OVAL,PAIR/2388	
NGC 2392		H45-4 Planetary Neb 3b+3b	B,S,R,*9M,*8NF100"
Nov 22 2006 12.5"	12mmT4	EB,VL,BRT CENTRAL * GOES AWAY WITH AV,BRT BLUE BALL,PATCHY AREAS DET OUTER,R=E	
Dec 04 2004 31"	17mmT4	VB,VL,WITH OIII,CENTRAL * EASY,RINGS AROUND CENTRAL *,DARK RINGS BETWEEN,OUTTER NEBULA LOOKS MATTED,BRIGHT BLUE,BEST EVER SEEN TO DATE,R=E	
Feb 21 1984 12.5"	12mm	MB,PS,ESKIMO NUBULA,CENTRAL * EASILY DET,PATCHED IN NEB DET,FORMS TRI W2*S	
Oct 23 1982 12.5"	12mm	CENTRAL * DET,SOME DARK AREAS IN GAS DET	
Oct 16 1982 12.5"	12mm	BLUE,MF,VS,R,UB,NO CENTRAL *	
Oct 31 1980 12.5"	24mm	ESKIMO NEBULA,NON STELL,GREAT!!	
NGC 2393		Galaxy Sc	EF,PS,LE,DIF,(R)
Dec 06 2002 12.5"	9mmT6	EDIF,EF,PS,COMES AND GOES WITH AVERTED VISION,PATCH	
NGC 2395		H11-8 Open Cluster 10.0 IV 2 m	CL,PRI,C
Feb 21 1984 12.5"	24mm	SAME	
Oct 30 1981 12.5"	24mm	MB,PL,SOME B*S WITH FAINTER *S	
NGC 2398		Galaxy Sb	VF,ES,BM,(R)
Dec 06 2002 12.5"	9mmT6	DIF,PF,PS,FNUC,OVAL,SBM,PATCH,SMOD HISB	
NGC 2405		Galaxy S	VF,S,IR
Dec 06 2002 12.5"	9mmT6	EDIF,EF,MS,COMES AND GOES WITH AVERTED VISION,PATCH	
NGC 2406		Galaxy E/S0	EF,ES,(VSN)
Dec 06 2002 12.5"	9mmT6	DIF,VF,PS,PATCH,OVAL,UB,PAIR/2407	
NGC 2407		Galaxy S0-	EF,ES,(VSN)
Dec 06 2002 12.5"	9mmT6	DIF,VF,VS,ELONG,PATCH,UB,PAIR/2406	
NGC 2410		Galaxy SBb?	EF,VS,SEVVF*INV
Nov 24 2003 31"	17mmT4	MF,ML,EDGE ON,SMALL FNUC,CENTRAL BULGE,DUST SUSP,SOFT NUC,R=G	
Dec 06 2002 12.5"	9mmT6	MB,PL,EDGE ON,SBM,SHISB,TAPERED ENDS	
NGC 2411		Galaxy E?	*14 SLIGHTLY NEBS
Dec 06 2002 12.5"	9mmT6	MB,MS,OVAL,SBM,MOD HISB	

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NGC 2418		Galaxy E	VF,ES,BM
Dec 06 2002 12.5" 9mmT6	PB,ML,BNUC,MBM,OVAL-ROUND,MOD HISB		
NGC 2420		H1-6	Open Cluster 11.0 I 1 r
Feb 21 1984 12.5" 16mm	SAME,APPROX 50-100"S,MB,ML		CL,CL,RI,C,ST11...18
Oct 30 1981 12.5" 16mm	MB,ML,WELL DISPERSED IN 16MM		
NGC 2435		H616-2	Galaxy Sa
Dec 06 2002 12.5" 9mmT6	PB,ML,ELONG,BNUC,MBM,MOD HISB CENTER,STELLER NUC SUSP,DUST SUSP		F,S,LBM
NGC 2449		Galaxy Sab	EF,ES,R,BM,R
Dec 06 2002 12.5" 9mmT6	DIF,MF,PL,FACE ON,OVAL,SBM,CLOSE COMP=IC 476,FOV WITH IC 2205,2450		
NGC 2450		Galaxy Sbc	EF,VS,S*INV
Dec 06 2002 12.5" 9mmT6	EDIF,EF,ES,AVERTED VISION,VF* ON EDGE,PATCH,LOCATION GOOD,FOV WITH 2449		
NGC 2454		Galaxy S	VF,ES,R,BM
Dec 06 2002 12.5" 9mmT6	DIF,PF,MS,OVAL,PATCH,UB		
NGC 2480		Galaxy SB?	VF,E NPSF,CLOSENP81
Dec 06 2002 12.5" 9mmT6	DIF,MF,ML,OVAL,PATCH,UB,NND,CLOSR PAIR/2481		
NGC 2481		H302-2	Galaxy S?
Dec 06 2002 12.5" 9mmT6	MF,PL,ELONG,BM,MOD HISB,CLOSE PAIR/2480		F,S,LE,BM,ER
NGC 2486		Galaxy Sa	VF,S,PSBM
Dec 06 2002 12.5" 9mmT6	VDIF,PF,PS,OVAL PATCH,UB,PAIR/2487		
NGC 2487		Galaxy SBb	VF,S,GBM
Dec 06 2002 12.5" 9mmT6	VDIF,VF,PL,OVAL,R,UB,STELL NUC SUSP,PAIR/2486		
NGC 2490		Galaxy C	VF,S,R,*13 1'F,POF 2
Dec 06 2002 12.5" 9mmT6	EDIF,EF,ES,AVERTED VISION ONLY,SUSP,PAIR/2492		
NGC 2492		Galaxy S0-:	VF,S,R,BM,F OF 2
Dec 06 2002 12.5" 9mmT6	PF,ML,FNUC,OVAL,SBM,MOD HISB,PAIR/2490		
NGC 2498		Galaxy SBa:	VF,VS,R,BMN
Dec 06 2002 12.5" 9mmT6	MB,ML,BNUC,R,MBM,SOME SPR STRUCT SUSP		
PGC 19586		Galaxy SBcd:	
Oct 05 2002 12.5" 9mmT6	EEF,ES,COMES AND GOES WITH AVERTED VISION		
PGC 20239		Galaxy Sd	
Jan 20 2004 31" 17mmT4	EDIF,EF,PS,UB,NND,AV,R=P		
PGC 20559		Galaxy S?	

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PGC 20559		Galaxy S?
Nov 17 2012 36"	17mmT4	MF,PL,EDGE ON,UB,NND,SLIGHTLY TAPPERED,PA~80,OTHERS PRESENT,R=G
PGC 20562		Galaxy Scd:
Nov 17 2012 36"	17mmT4	MF,ML,EDGE ON,UB,NND,SLIVER,TAPPERED ENDS,* OFF NUC,PA~160,R=FG
PGC 20585		Galaxy S?
Nov 17 2012 36"	17mmT4	PF,MS,EDGE ON,UB,NND,MOD TAPPERED,PA~70,OTHERS PRESENT,R=F
PGC 20586		Galaxy S
Nov 17 2012 36"	17mmT4	VF,PS,EDGE ON,UB,NND,* CLOSE TO NUC,F* OFF EDGE,TAPPERED ENDS,PA~90,OTHERS PRESENT,R=P
PGC 20695		Galaxy Sa:
Feb 20 2006 31"	17mmT4	PF,PS,OVAL,SMALL FNUC,VF* OUTER EDGE,KEEP WASAT OUT OF FOV,R=F
PGC 20881		Galaxy SB?
Feb 20 2006 31"	17mmT4	MB,PS,OVAL,LARGE FNUC,MOD HISB,* IN EDGE OF GAL,GMBM,R=G
PGC 20924		Galaxy S
Jan 20 2004 31"	17mmT4	MF,PS,OVAL,R,UB,SOMEWHAT HISB,PAIR=PGC20929,R=F
PGC 20929		Galaxy
Jan 20 2004 31"	17mmT4	DIF,V,VS,PATCH,UB,NND,PAIR=PGC20924,R=P
PGC 20938		Galaxy S?
Jan 20 2004 31"	17mmT4	DIF,PF,ML,OVAL,R,PATCH,UB,NND,PAIR=MAC,R=F
PGC 21047		Galaxy SB
Jan 29 2014 36"	17mmT4	MF,MS,OVAL,UB,SOMEWHAT HISB,R=F
PGC 21100		Galaxy Scd:
Jan 29 2014 36"	17mmT4	MF,MS,PATCH,NND,MOD HISB,R=F
PGC 21128		Galaxy Sb
Jan 29 2014 36"	17mmT4	MF,MS,OVAL,LARGE FNUC,SOMEWHAT HISB, F* OFF EDGE,R=F
PGC 21136		Galaxy Sdm:
Nov 17 2012 36"	17mmT4	VF,MS,EDGE ON,UB,NND,VF* OFF TIP,THICKER IN MIDDLE,PA~100,R=PF
PGC 21200		Galaxy S?
Nov 24 2003 31"	17mmT4	DIF,VF,MS,OVAL,SBM,R=F
PGC 21226		Galaxy
Nov 24 2003 31"	17mmT4	PF,PS,OVAL,PATCH,FNUC,SBM,R=F
PGC 21278		Galaxy S

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PGC 21278		Galaxy S
Nov 24 2003 31"	17mmT4	DIF,PF,MS,OVAL,PATCH,UB,NND,F* OFF TO ONE SIDE,R=F
PGC 21324		Galaxy S?
Nov 24 2003 31"	17mmT4	VDIF,VF,MS,ELONG,PACH,UB,NND,SEVERAL VF*S OFF TO SIDE,R=P
PGC 21390		Galaxy
Nov 24 2003 31"	17mmT4	VDIF,VF,VS,PATCH,UB,NND,R=P
PGC 21673		Galaxy S pec
Feb 21 2006 31"	17mmT4	PB,PL,OVAL,SMALL BNUC,F* OFF NUC SIDE,ARMS,PATCHY AREAS DET,MOD HISB MIDDLE,R=G
PGC 21678		Galaxy L
Feb 21 2006 31"	17mmT4	PF,PS,ELONG,SMALL FNUC,PAIR=PGC21673,R=F
PGC 21870		Galaxy L
Mar 17 2007 31"	17mmT4	MF,ML,OVAL,R,LARGE FNUC,PAIRS=MAC'S,R=F
PGC 21881		Galaxy S
Mar 17 2007 31"	17mmT4	MF,ML,OVAL,R,PATCH,UB,NND,PAIR=PGC21885,R=F
PGC 21885		Galaxy S
Mar 17 2007 31"	17mmT4	MF,MS,ELONG,SMALL FNUC,PAIR=PGC21881,R=F
PGC 21900		Galaxy S
Mar 17 2007 31"	17mmT4	MB,ML,OVAL,LARGE FNUC,SOMEWHAT HISB,CLOSE TO F*,R=F
PGC 22401		Galaxy
Jan 20 2004 31"	17mmT4	PF,ML,EDGE ON,PATCH,UB,NND,R=F
PGC 22435		Galaxy
Jan 20 2004 31"	17mmT4	VDIF,VF,VS,PATCH,NND,PAIRS=IC486,IC484,IC485,R=P