

Cassiopeia - The Queen

ABELL 82		Planetary Neb
Sep 02 2008 31"	17mmT4	DIF,EF,ML,OVAL,CNTR*15MAG,OTHER F*S IN NEB CLOSE TO CNTR,OIII HELPS DET NEB,R=P
Sep 19 2004 31"	17mmT4	VDIF,W/OIII,VF,ML,OVAL,PATCH,B* IN CTR,3F*S IN NEB ONE SIDE,L BALL/PATCH,R=F
BERK 2		Open Cluster I 1 m
Nov 11 2020 36"	17mmT4	(I 1 p),MB,ML,FEW B*,F GLOW,*S SMWHT SAME MAG,~30*S,(9:57pm),R=PF
BERK 58		Open Cluster IV 2 p
Nov 11 2020 36"	17mmT4	(II 2 p),PB,ML,~20*S,LOOSELY SC,V LTL CL,VAR MAG *S,(9:20pm),R=P
CR 15		Open Cluster II 2 p
Nov 13 2020 36"	17mmT4	(II 2 p),VB,ML,NICE FOV,F* IN LINE IN CNTR,LOOSELY SC,~15*S,LTL CONC,(10:02pm),R=F
CR 26		Open Cluster II 3 m n
Nov 13 2020 36"	55mm	(II 3 m n),EB,EL,*S VAR MAG,SAME SIZE AS FOV,SC,HINT OF NEB,W/OIII,NEB EASILY DET,MOSTLY CNTR OF CL,(10:30pm),R=FG
CR 34		Open Cluster I 3 p
Nov 13 2020 36"	55mm	(I 3 p),EB,ML,~15*S,B* IN CNTR WITH FTR *S CL SUR* VAR MAG,SC,SIM TO FOV *S,IN EDGE OF LBN 667,(11:59pm),R=P
CR 36		Open Cluster III 2 m
Nov 13 2020 36"	55mm	(III 2 p),EB,EL,~15-20*S,NICE IN FOV,SC,*S VAR MAG,(12:10am),R=PF
CR 463		Open Cluster III 2 m
Nov 13 2020 36"	55mm	(III 2 r),EEB,EEL,FILLS FOV,LOOSELY SCATT,MANY *S VAR MAG,(10:15pm),R=F
IC 10		Galaxy IBm
Sep 11 2004 31"	17mmT4	VF,MS,OVAL,PATCH,UB,SVRL *S IN GLXY,R=P
IC 59		Brn Nebula E+R
Sep 07 2023 12.5"	17mmT4	(Lb 3),DIF,VF,ML,LOC GOOD,KEEP B* OUT OF FOV,R PATCH OF VF NEB DET,F GLOW IN SMWHT BARREN * FIELD,OIII NO GOOD,(12:50am),R=F
Sep 18 2004 31"	17mmT4	VDIF,VF,VL,SVRL FOV'S,SCAN AREA,VF NEB DET IN PATCHES,OIII NO GOOD,R=P
IC 63		Brn Nebula E+R
Sep 22 2022 12.5"	9mmT6	(Lb 2),PF,ML,W/OIII,DOES NOT HELP,PATCHY AREAS,BKN,EDGES NOT WELL DEF,FTR NEB DET W/AV,(1:44am),R=F
Sep 18 2004 31"	17mmT4	VDIF,PF,ML,EL,L,EL PATCH OF NEB,SHISB,B NEB,R=G
IC 166		Open Cluster II 1 r
Sep 18 2004 31"	17mmT4	PF,ML,SVRL B*S WITH MANY F*S IN BG,~50-100*S,S CL,R=F
IC 289		Planetary Neb 4+2
Oct 07 2010 31"	12mmT4	MB,ML,CNTR* JUST BARELY VISIBLE,~17 MAG,NEB PATCHY,R=G
Oct 07 2010 31"	17mmT4	MB,SM,R,UB,NO CNTR*,OIII HELPS LTL,NEB PATCHY NOT R,R=G
Sep 18 2004 31"	17mmT4	MF,ML,R,UB,W/OIII,GREENISH,DARK PATCH IN CNTR SUSP,NO CNTR *,R=E
IC 1590		Open Cluster n

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IC	1590		Open Cluster n	
	Sep 18 2004 31"	17mmT4	MB,ML,-8*S VAR MAG,CNTR *S FORM A TRI WITH NEB,PAIR=281,R=F	
IC	1747		Planetary Neb 3b	
	Oct 07 2010 31"	12mmT4	PB,MS,R,DARK HOLE IN CNTR,SLT BTR ONE SIDE,OIII DOESNOT HELP MUCH,NO CNTR*,R=G	
	Oct 07 2010 31"	17mmT4	MB,VS,R,B BLUE,CNTR RGN DARK,HOLE,NO CNTR*,OIII HELPS SMWHT ONE SIDE BTR THAN OTHER,R=G	
	Sep 18 2004 31"	17mmT4	PB,MS,W/OIII,R,DARK CNTR SUSP,BR BLUEISH BALL,R=E	
IC	1805		Brn Nebula E	
	Nov 13 2020 36"	31mmT5	(Lb 3),DIF,MF,EEL,W/OIII,AWESOME,ESP ON CR 26,SCAN TO ALL OUTER PARTS,PATCHES,RIFS,WISPS,BEST PART E&S OF CR 26,GOOD CONT BET DARK SKY & NEB,(10:46pm),R=G	
	Nov 13 2020 36"	55mm	(Lb 3),DIF,MF,EEL,SVRL FOV'S,PATCHY,CR 26 WITHIN BOUNDARY,SOME NEB W/O FILTER,W/OIII,PATCHY AREAS,(10:36pm),R=FG	
	Sep 18 2004 31"	17mmT4	PB,PL,-20*S,VAR MAG,CL,HINT OF NEB IN AREA,R=F	
IC	1848		Open Cluster I 3 p n	
	Nov 13 2020 36"	55mm	(I 3 p n),EB,VL,IN HEART OF LBN 667,2 B*S IN CNTR WITH NEB SUR *S,W/OIII,NEB IN AREA DET,(11:24pm),R=F	
	Sep 18 2004 31"	17mmT4	PB,VL,FEW B*S,2B*S IN CNTR,V LTL CL DET,SC,R=P	
IC	1871		Brn Nebula E	
	Sep 18 2004 31"	17mmT4	VDIF,VF,ML,AREA OF NEB DET,SCAN FOV EITHER DIRECTION,SUSP,R=P	
KING	12		Open Cluster II 1 p	
	Sep 22 2022 12.5"	9mmT6	(II 2 p),MB,ML,CL EL CONC DET,FEW B*S,MANY FTR *S,`25*S,RICH FOV,LOOKS LIKE ** IN CNTR,(11:13pm),R=FG	
KING	13		Open Cluster II 2 m	
	Nov 11 2020 36"	17mmT4	(II 2 p),PB,VL,WIDELY SC,*S VAR MAG,-30*S,MOSTLY F,-14 MAG,(9:36pm),R=PF	
KING	14		Open Cluster III 1 p	
	Nov 11 2020 36"	17mmT4	(III 1 p),PB,ML,LTL CL,* SIM MAG,FEW B*S,(10:06pm),R=FG	
KING	16		Open Cluster I 2 m	
	Nov 11 2020 36"	17mmT4	(I 2 p),MB,MS,LOOSELY SC,SMWHT CL,* VAR MAG,-20*S,(10:21pm),R=F	
KING	21		Open Cluster I 2 p	
	Sep 22 2022 12.5"	9mmT6	(II 2 p).MF,MS,3 B*S CLOSE IN,FEW FTR *S CL OFF BOTH EDGES OF BTR *S,-20 *S,CL DET,FICH FOV,(10:57pm),R=PF	
LBN	667		Brn Nebula E	
	Nov 13 2020 36"	31mmT5	W/OIII,BEST DETAIL	
	Nov 13 2020 36"	55mm	(Lb 2),DIF MG,EEEL,W/OIII,5-7 FOV'S,IC 1848 AT ONE END,CR 34 THE OTHER,BOTH OC AND LBN EASILY DET,SCAN OUTER EDGES WELL DEF,PATCHES,DARK AREAS,BSECTIONS,GOOD CONTRAST W OF CR 34,(11:30pm),R=G	
NGC	103		Open Cluster II 1 m	CL,PS,PC,*11...18
	Sep 18 2004 31"	17mmT4	MF,ML,-20*S,SLT CL,VAR MAG,R=F	

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NGC 110		Open Cluster IV 1 p	CL,PR,LC,*9...12
Sep 18 2004 31"	17mmT4	VB,EL,MANY *S SVRL FOV,SC,VAR MAG,R=P	
NGC 129		H79-8	Open Cluster III 2 m
Sep 28 2013 36"	17mmT4	VF,EL,~40*S,LOOSELY SC,LTL CL,FILLS FOV,R=F	CL,VL,PR,LC,*9...13
Aug 13 1982 12.5"	24mm	MB,BL,SC,BLENDS WITH FIELD *S	
NGC 133		Open Cluster IV 1 p	CL,PL,*10...,D*INV
Sep 18 2004 31"	17mmT4	PB,ML,5-7*S LOOSELY SC,SLT CL,R=P	
NGC 136		H35-6	Open Cluster II 1 p
Sep 28 2013 36"	17mmT4	MB,ML,~20*S SIM MAG,GOOD CL,FEW BTR,*S, GOOD FOV,R=G	GCL,VF,S,EC
Aug 13 1982 12.5"	16mm	MF,VS,R,*S RSLV,20*S,F PATCH IN 24MM	
NGC 146		Open Cluster II 2 p	CL,PL,LC,*11-12,D*
Sep 18 2004 31"	17mmT4	PB,ML,~15*S,LOOSELY SC,SLT CL,R=F	
NGC 147		Galaxy E5 pec	VF,VL,IR,GSMBM*11
Sep 28 2013 36"	17mmT4	MF,EL-OVAL,VSNUC,DIF F HALO ACROSS FOV,MANY F*S IN HALO,B*S IN NUC AREA,R=FG	
Jul 31 1981 12.5"	24mm	EL,VDIF,UB,DWARF SATELLITE TO M31	
Jul 15 1980 12.5"	24mm	EF,VS,THIN	
NGC 185		H707-2	Galaxy E3 pec
Sep 28 2013 36"	17mmT4	PB,PL,OVAL,UB,MHISB,SVRL VF* IN GLXY AREA,R=G	PB,VL,IR,VGMBM,R
Jul 31 1981 12.5"	24mm	DIF,SETLLAR NUC,DIF HALO,R TO OVAL IN SHAPE	
Sep 18 1980 12.5"	24mm		
Aug 22 1980 12.5"	24mm		
Aug 19 1980 12.5"	24mm		
Jul 17 1980 12.5"	24mm		
Jul 15 1980 12.5"	24mm	DIF,EF,PL,AV	
NGC 189		Open Cluster III 1 p	CL,PL,R,*11...15
Sep 18 2004 31"	17mmT4	PB,ML,~12*S,CL,SC,SIM MAG,R=F	
NGC 225		H78-8	Open Cluster III 1 p n
Nov 11 2020 36"	55mm	(II 1 p),EB,EL,BARELY FITS FOV,* SIM MAG,~20*S,(10:10pm),R=F	CL,L,LC,*9...10
Sep 28 2013 36"	17mmT4	PB,EL,~15*S,LOOSELY SC,SIM MAG,DOESNOT STAND OUT WELL,R=PF	
Aug 13 1982 12.5"	24mm	MB,PL,18-21 *S,SPREADS OUT WELL,*S ~SAME MAG	
NGC 278		H159-1	Galaxy SAB(rs)b
Sep 28 2013 36"	17mmT4	VB,VL,R,BSNUC,SBM,MHISB,SOME GRAN SUR NUC,NICE FOV,R=GE	CB,PL,R,2*10NR
Jul 31 1981 12.5"	12mm	GMBM,DIF HALO SEEN,SMWHT OVAL,HISB	
Sep 18 1980 12.5"	20mm	GREAT	
Aug 22 1980 12.5"	24mm		
Aug 19 1980 12.5"	24mm		
Jul 24 1980 12.5"	24mm		
Jul 17 1980 12.5"	24mm		

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NGC 278		H159-1	Galaxy SAB(rs)b	CB,PL,R,2*10NR
Jul 15 1980	12.5"	24mm	GREAT!!!	
Jun 18 1980	12.5"	24mm		
NGC 281			Brn Nebula E	F,VL,DIF,STRIP*NP
Sep 22 2022	12.5"	9mmT6	(Lb 1),DIF,PF,ML,L AREA BKN NEB SUR IC 1590,NEB FADES INTO SPACE,OIII NO GOOD,PAIR=IC 1590,(2:04am),R=F	
Sep 18 2004	31"	17mmT4	DIF,MF,ML,NEB DET SUR TRI OF *S,PAIR=IC1590,R=G	
NGC 366			Open Cluster II 3 m	CL,S
Sep 18 2004	31"	17mmT4	PB,ML,~20*S VAR MAG,V SHAPE,M CL,R=F	
NGC 381			H64-8	Open Cluster III 1 m
Sep 28 2013	36"	17mmT4	VB,BL,~30*S,LOOSELY SC,FILLS FOV,R=F	CL,PC
Jul 31 1981	12.5"	24mm	BLENDS IN WITH FIELD OF *S OF ~SAME MAG	
Sep 03 1980	12.5"	24mm		
NGC 433			Open Cluster III 2 p	CL,S,LC
Sep 18 2004	31"	17mmT4	MB,ML,~10*S,ONE B* IN CNTR,M CL,SC,SIM MAG,R=F	
NGC 436			H45-7	Open Cluster I 2 m
Aug 13 1982	12.5"	24mm	MF,MS,20-30 *S,LOOSE,SC	CL,S,IF,PC
NGC 457			H42-7	Open Cluster II 3 r
Jul 31 1981	12.5"	16mm	B*S,FEW *S ~20,L SC THROT EYEPIECE	CL,B,L,PRI,*7,8,10
Jul 17 1980	12.5"	24mm		
NGC 559			H48-7	Open Cluster I 1 m
Jul 31 1981	12.5"	24mm	FEW B*S, MOSTLY FTR *S ~10...11 MAG,~50*S IN ALL	CL,B,PL,PRI
NGC 581	M103		Open Cluster II 2 m	CL,PL,B,R,RI,*10..11
Nov 11 2020	36"	31mmT5	(II 2 m),EB,VL,NICE FOV,B CARBON (RED) * IN CL,SMWHT CL,*S VAR MAG,(10:37pm),R=G	
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004	
Jul 31 1981	12.5"	24mm	PB,ML,*S 7...10 MAG,TRIANGLE SHAPE	
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981	
Sep 18 1980	12.5"	24mm		
Sep 03 1980	12.5"	24mm		
Jul 17 1980	12.5"	24mm		
NGC 609			Open Cluster 14.0 II 3 r	CL,S,PRI,*14...
Sep 18 2004	31"	17mmT4	MF,ML,~50*S,CL,SIM MAG,NICE IN 17MM,R=G	
NGC 637			H49-7	Open Cluster I 2 m
Jul 31 1981	12.5"	24mm	S IN SWHT BARREN * FIELD,FEW F*S SEEN	CL,PS,B\$VF ST
NGC 654			H46-7	Open Cluster II 2 r
Jul 31 1981	12.5"	24mm	SM,LTL DIFF SEEN IN CL,FEW *S	CL,IF,RI,1*6.7,

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NGC 657		Open Cluster	CL,PRI,ST12
Sep 18 2004 31"	17mmT4	MB,ML,LOOSE,SC,~50*S,NO CL DET,R=P	
NGC 659		H65-8	Open Cluster I 2 m
Aug 13 1982 12.5"	24mm	MF,MS,SC,APPEARS TO BE BKN IN CNTER,CLOSE TO 663	CL,LRI,ST B
NGC 663		H31-6	Open Cluster II 3 r
Jul 31 1981 12.5"	16mm	PL,CL BKN IN HALF,DARK PATCH THROUGH CL	CL,B,L,ERI,ST PL
NGC 743		Open Cluster IV 1 p	CL,NOTRI,D*
Sep 18 2004 31"	17mmT4	PB,PL,~15*S,LOOSELY SC,CL,SIM MAG,R=F	
NGC 886		Open Cluster IV 2 p	CL,L,LC,SC,ST9...13
Sep 18 2004 31"	17mmT4	PB,PL,~30*S LOOSELY SC,VAR MAG,R=P	
NGC 896		H695-3	Brn Nebula E
Nov 13 2020 36"	31mmT5	(Lb 2),DIF,VB,EEL,W/OIII,AWESOME,PATCHY AREAS STAND OUT IN FOV,2-3 FOV'S,DK AREAS THROUGH OUT,(10:55pm),R=GE	EF,PL,IF
Sep 06 2002 12.5"	9mmT6	PF,EL,B NEB,F HINT OF B AREA COMPARED TO BG,LOC GOOD	
NGC 1027		H66-8	Open Cluster II 3 m n
Aug 13 1982 12.5"	24mm	VB,VL,B* IN CL,15*S	CL,L,SC ST,ONE10M
NGC 1343		H694-3	Galaxy SAB(s)b: pec
Jan 30 2003 12.5"	9mmT6	MB,PL,R,FNUC,S HISB,F* OFF TO ONE SIDE,FACE ON,R=G	F,VS,IR,GBM,D*V NR
NGC 7635		H52-4	Brn Nebula E
Sep 07 2023 12.5"	17mmT4	(Lb 1),DIF,MF,PL,NICE IN FOV,PATCHY AREAS,BKN,SOME AREAS BTR THAN OTHERS,EL SHAPE,W/OIII EDGES HARD TO DEF,(12:21am),R=G	VF,*8INV L EXCENTRIC
Jul 31 1981 12.5"	16mm	VDIF,IRR IN SHAPE,NEB SUR B*,BUBBLE NEB	
NGC 7654	M52	Open Cluster II 2 r	CL,L,RI,MCM,R,*9..13
Mar 19 2004 12.5"	12mmT4	MESSIER MARATHON 2004	
Jul 31 1981 12.5"	24mm	PB,VL,7-8*,UB,R,B* N SIDE OF M52	
Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981	
Jul 17 1980 12.5"	24mm		
Jun 20 1980 12.5"	24mm		
NGC 7788		Open Cluster I 2 p	CL,S,PRI,VC,*10,13..
Sep 19 2004 31"	17mmT4	PB,PL,FEW B*S WITH ~20*S FTR *S,CL,NICE IN 17MM,R=F	
NGC 7789		H30-6	Open Cluster II 2 r
Jul 31 1981 12.5"	24mm	~50-100*S,A LOT OF F*S ASSOC WITH CL	CL,VL,VRI,VMC,*11.18
Jun 20 1980 12.5"	24mm		
NGC 7790		H56-7	Open Cluster II 2 m
Jul 31 1981 12.5"	24mm	FEW *S,SC IN FIELD *S	CL,PRI,PC

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PGC 11282

Galaxy S?

Jan 29 2014 36" 17mmT4 EF,PS,EDGE ON,LOC GOOD, AV ON NUC AREA ONLY,NO ARMS,SUSP,R=P

SH2 163

Brt Nebula E

Sep 07 2023 12.5" 17mmT4 (Lb 4),DIF,EF,VS,LOC GOOD,W/AV V LTL NEB SUSP,(12:30am),R=P