

## Cassiopeia - The Queen

<b>ABELL 82</b>		<b>Planetary Neb</b>	<b>IC 1454</b>
Sep 19 2004 31"	17mmT4	VDIF,W/OIII,VF,ML,OVAL,PATCH,B* IN CTR,3F*S IN NEB ONE SIDE,LG BALL/PATCH,R=F	
<b>IC 10</b>		<b>Galaxy IBm</b>	
Sep 11 2004 31"	17mmT4	VF,MS,OVAL,PATCH,UB,SEVERAL *S IN GAL,R=P	
<b>IC 59</b>		<b>Nebula EN</b>	<b>LBN 620</b>
Sep 18 2004 31"	17mmT4	VDIF,VF,VL,SEVERAL FOV'S,SCAN AREA,VF NEB DET IN PATCHES,OIII NO GOOD,R=P	
<b>IC 63</b>		<b>Nebula EN</b>	<b>LBN 623</b>
Sep 18 2004 31"	17mmT4	VDIF,PF,ML,ELONG,LARGE ELONG PATCH OF NEB,SHISB,BRIGHT NEBULA,R=G	
<b>IC 166</b>		<b>Open Cluster III1r</b>	
Sep 18 2004 31"	17mmT4	PF,ML,SEVERAL B*S WITH MANY F*S IN BACKGROUND,APPROX 50-100*S,S CLUSTERED,R=F	
<b>IC 289</b>		<b>Planetary Neb PN</b>	<b>PK 138+2.1</b>
Sep 18 2004 31"	17mmT4	MF,ML,R,UB,W/OIII,GREENISH,DARK PATCH IN CENTER SUSP,NO CENTRAL *,R=E	
<b>IC 1590</b>		<b>Open Cluster OCL+</b>	
Sep 18 2004 31"	17mmT4	MB,ML,APPROX 8*S VARIOUS MAG,CENTRAL *S FORM A TRI WITH NEB,PAIR=281,R=F	
<b>IC 1747</b>		<b>Planetary Neb PN</b>	<b>PK 130+1.1</b>
Sep 18 2004 31"	17mmT4	PB,MS,W/OIII,R,DARK CENTER SUSP,BRT R BLUEISH BALL,R=E	
<b>IC 1805</b>		<b>Open Cluster III3p</b>	
Sep 18 2004 31"	17mmT4	PB,PL,APPROX 20*S,VARIOUS MAG,CLUSTERED,HINT OF NEB IN AREA,R=F	
<b>IC 1848</b>		<b>Open Cluster IV3p</b>	
Sep 18 2004 31"	17mmT4	PB,VL,FEW BRT *S,2B*S IN CENTER,VERY LITTLE CLUSTERING DET,SCATTERED,R=P	
<b>IC 1871</b>		<b>Nebula EN</b>	
Sep 18 2004 31"	17mmT4	VDIF,VF,ML,AREA OF NEB DET,SCAN FOV EITHER DIRECTION,SUSP,R=P	
<b>NGC 103</b>		<b>Open Cluster II2p</b>	<b>CL,PS,PC,*11...18</b>
Sep 18 2004 31"	17mmT4	MF,ML,APPROX 20*S,SLIGHTLY CLUSTERED,VAR MAG,R=F	
<b>NGC 110</b>		<b>Open Cluster IV1p</b>	<b>CL,PR,LC,*9...12</b>
Sep 18 2004 31"	17mmT4	VB,EL,MANY *S SEVERAL FOV,SCATTERED,VARIOUS MAG,R=P	
<b>NGC 129</b>		<b>H79-8</b>	<b>Open Cluster IV2p</b>
Aug 13 1982 12.5"	24mm	MB,BL,SCATTERED,BLENDS WITH FIELD *S	<b>CL,VL,PR,LC,*9...13</b>
<b>NGC 133</b>		<b>Open Cluster IV1p</b>	<b>CL,PL,*10...,D*INV</b>
Sep 18 2004 31"	17mmT4	PB,ML,5-7*S LOOSLY SCATTERED,SLIGHTLY CLUSTERED,R=P	
<b>NGC 136</b>		<b>H35-6</b>	<b>Open Cluster II2p</b>
Aug 13 1982 12.5"	16mm	MF,VS,R,STARS RESOLVED,20*S,FAINT PATCH IN 24MM	<b>GCL,VF,S,EC</b>

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<b>NGC 146</b>			<b>Open Cluster IV3p</b>	<b>CL,PL,LC,*11-12,D*</b>	
Sep 18 2004	31"	17mmT4	PB,ML,APPROX 15"S,LOOSLY SCATTERED,SLIGHTLY CLUSTERED,R=F		
<b>NGC 147</b>			<b>Galaxy E5/P</b>	<b>VF,VL,IR,GSM BM*11</b>	
Jul 31 1981	12.5"	24mm	ELONGATED,VDIF,UB,DWARF SATELLITE TO M31		
Jul 15 1980	12.5"	24mm	EF,VS,THIN		
<b>NGC 185</b>			<b>H707-2 Galaxy E3</b>	<b>PB,VL,IR,VGMBM,R</b>	
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,AVERTED VISION		
<b>NGC 189</b>			<b>Open Cluster III2p</b>	<b>CL,PL,R,*11...15</b>	
Sep 18 2004	31"	17mmT4	PB,ML,APPROX 12"S,CLUSTERED,SCATTERED,SIMULAR MAG,R=F		
<b>NGC 225</b>			<b>H78-8 Open Cluster III1p</b>	<b>CL,L,LC,*9...10</b>	
Aug 13 1982	12.5"	24mm	MB,PL,18-21 *S,SPREADS OUT WELL,*S APPROX SAME MAGNITUDE		
<b>NGC 278</b>			<b>H159-1 Galaxy SBb</b>	<b>CB,PL,R,2*10NR</b>	
Jul 31 1981	12.5"	12mm	GMBM,DIF HALO SEEN,SOMEWHAT 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			
Jul 15 1980	12.5"	24mm	GREAT!!!		
Jun 18 1980	12.5"	24mm			
<b>NGC 281</b>			<b>Nebula EN</b>	<b>F,VL,DIF,STRIP*NP</b>	<b>IC 11</b>
Sep 18 2004	31"	17mmT4	DIF,MF,ML,NEB DET AROUND TRI OF *S,PAIR=IC1590,R=G		
<b>NGC 366</b>			<b>Open Cluster II3p</b>	<b>CL,S</b>	
Sep 18 2004	31"	17mmT4	PB,ML,APPROX 20"S VARIOUS MAG,V SHAPE,MOD CLUSTERED,R=F		
<b>NGC 381</b>			<b>H64-8 Open Cluster III2p</b>	<b>CL,PC</b>	
Jul 31 1981	12.5"	24mm	BLENDS IN WITH FIELD OF *S OF APPROX SAME MAG		
Sep 03 1980	12.5"	24mm			
<b>NGC 433</b>			<b>Open Cluster III2p</b>	<b>CL,S,LC</b>	
Sep 18 2004	31"	17mmT4	MB,ML,APPROX 10"S,ONE B* IN MIDDLE,MOD CLUSTERED,SCATTERED,SIM MAG,R=F		
<b>NGC 436</b>			<b>H45-7 Open Cluster I3m</b>	<b>CL,S,IF,PC</b>	
Aug 13 1982	12.5"	24mm	MF,MS,20-30 *S,LOOSE,SCATTERED		

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<b>NGC 457</b>		<b>H42-7</b>	<b>Open Cluster I3r</b>	<b>CL,B,L,PRI,*7,8,10</b>	
Jul 31 1981	12.5" 16mm	B*S,FEW	*S APPROX 20.LARGE	SCATTERED	THROUGHOUT EYEPIECE
Jul 17 1980	12.5" 24mm				
<b>NGC 559</b>		<b>H48-7</b>	<b>Open Cluster II2m</b>	<b>CL,B,PL,PRI</b>	
Jul 31 1981	12.5" 24mm	FEW B*S,	MOSTLY FAINTER	*S APPROX 10-11	MAG,APPROX 50*S IN ALL
<b>NGC 581</b>	<b>M103</b>		<b>Open Cluster III2p</b>	<b>CL,PL,B,R,RI,*10..11</b>	<b>M 103</b>
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				
<b>NGC 609</b>			<b>Open Cluster II3r</b>	<b>CL,S,PRI,*14...</b>	
Sep 18 2004	31" 17mmT4	MF,ML,	APPROX 50*S,	CLUSTERED,	SIM MAG,NICE IN 17MM,R=G
<b>NGC 637</b>		<b>H49-7</b>	<b>Open Cluster I3p</b>	<b>CL,PS,B\$VF ST</b>	
Jul 31 1981	12.5" 24mm	SMALL	IN SOMEWHAT	BARREN *	FIELD,FEW F*S SEEN
<b>NGC 654</b>		<b>H46-7</b>	<b>Open Cluster II3m</b>	<b>CL,IF,RI,1*6.7,</b>	
Jul 31 1981	12.5" 24mm	SMALL,	LITTLE	DIFFUSENESS	SEEN IN CLUSTER,FEW *S
<b>NGC 657</b>			<b>Open Cluster OCL</b>	<b>CL,PRI,ST12</b>	
Sep 18 2004	31" 17mmT4	MB,ML,	LOOSE,	SCATTERED,	APPROX 50*S,NO CLUSTERING DET,R=P
<b>NGC 659</b>		<b>H65-8</b>	<b>Open Cluster III1p</b>	<b>CL,LRI,ST B</b>	
Aug 13 1982	12.5" 24mm	MF,MS,	SCATTERED,	APPEARS	TO BE BROKEN IN CENTER,CLOSE TO 663
<b>NGC 663</b>		<b>H31-6</b>	<b>Open Cluster III2m</b>	<b>CL,B,L,ERI,ST PL</b>	
Jul 31 1981	12.5" 16mm	PL,	CLUSTER	BROKEN	IN HALF,DARK PATCH THROUGH CLUSTER
<b>NGC 743</b>			<b>Open Cluster II1p</b>	<b>CL,NOTRI,D*</b>	
Sep 18 2004	31" 17mmT4	PB,PL,	APPROX 15*S,	LOOSLY	SCATTERED,CLUSTERED,SIM MAG,R=F
<b>NGC 886</b>			<b>Open Cluster OCL</b>	<b>CL,L,LC,SC,ST9...13</b>	
Sep 18 2004	31" 17mmT4	PB,PL,	APPROX 30*S	LOOSLY	SCATTERED,VARIOUS MAG,R=P
<b>NGC 896</b>		<b>H695-3</b>	<b>Nebula EN</b>	<b>EF,PL,IF</b>	
Sep 06 2002	12.5" 9mmT6	PF,EL,	BRT	NEBULA,	FAINT HINT OF BRIGHT AREA COMPARED TO BACKGROUND,LOCATION GOOD
<b>NGC 1027</b>		<b>H66-8</b>	<b>Open Cluster III2p</b>	<b>CL,L,SC ST,ONE10M</b>	
Aug 13 1982	12.5" 24mm	VB,VL,	BRT *	IN	CLUSTER,15*S
<b>NGC 1343</b>		<b>H694-3</b>	<b>Galaxy SBb/P</b>	<b>F,VS,IR,GBM,D*V NR</b>	
Jan 30 2003	12.5" 9mmT6	MB,PL,	R,FNUC,S	HISB,F*	OFF TO ONE SIDE,FACE ON,R=G

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<b>NGC 7635</b>		<b>H52-4</b>	<b>Nebula EN</b>	<b>VF,*8INV L EXCENTRIC</b>	<b>Bubble Nebula</b>
Jul 31 1981	12.5"	16mm	VDIF,IRR IN SHAPE,NEB AROUND B*,BUBBLE NEBULA		
<b>NGC 7654</b>	<b>M52</b>		<b>Open Cluster I2r</b>	<b>CL,L,RI,MCM,R,*9..13</b>	<b>M 52</b>
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			
<b>NGC 7788</b>			<b>Open Cluster I2p</b>	<b>CL,S,PRI,VC,*10,13..</b>	
Sep 19 2004	31"	17mmT4	PB,PL,FEW B*S WITH APPROX 20*S FAINTER *S,CLUSTERED,NICE IN 17MM,R=F		
<b>NGC 7789</b>			<b>H30-6</b>	<b>Open Cluster II1r</b>	<b>CL,VL,VRI,VMC,*11.18</b>
Jul 31 1981	12.5"	24mm	APPROX 50-100*S,A LOT OF F*S ASSOC WITH CLUSTER		
Jun 20 1980	12.5"	24mm			
<b>NGC 7790</b>			<b>H56-7</b>	<b>Open Cluster III2p</b>	<b>CL,PRI,PC</b>
Jul 31 1981	12.5"	24mm	FEW *S,SCATTERED IN FIELD *S		