

Cepheus - The King

- BERK 59** **Open Cluster I 3 m n**
Nov 11 2020 36" 17mmT4 (I 3 m),PB,VL,ALM FILLS FOV,BKN HALVES,VAR MAG *S,~30*S,(9:33pm),R=F
- BERK 94** **Open Cluster II 3 p n**
Aug 30 2022 12.5" 9mmT6 (II 3 p n),MB,MS,~15*S VAR MAG,TRI SHAPE,SC,SOME F NEB DET IN CL,(12:30am),R=FG
- CED 214** **Brn Nebula E+R**
Sep 07 2023 12.5" 17mmT4 (Lb 2),DIF,MF,EEL,SVRL FOV'S,RICH * FIELD,NEB PATCHES,BKN DET WHILE SCANNING AREA,SOFT AREAS WITH NO EDGE DET,OIII NO GOOD,(12:41am),R=G
- CR 427** **Open Cluster IV 1 p n**
Sep 12 2012 36" 17mmT4 VF,MS,~10*S SIM MAG,OUTER EDGE OF NGC 7023,R=P
- IC 455** **Galaxy S0**
Sep 06 2002 12.5" 9mmT6 VDIF,VF,VS,OVAL PATCH,UB,PAIR/2276/2300
- IC 469** **Galaxy SAB(rs)ab:**
Sep 06 2002 12.5" 9mmT6 DIF,PF,PS,OVAL PATCH,UB,LOC INSIDE OF A BOX OF *S
- IC 1396** **Open Cluster IV 3 m n**
Sep 07 2023 12.5" 17mmT4 (Lb 2),DIF,VB,ML,V RICH * FIELD,CR 439 VL ~100 *S FILLS FOV,3 MULTI-COLOR *S CLOSE IN CNTR WITH PATCHY GRAN NEB DET,DARK RGN W OF CNTR DET,PATCHY NEB ARND DARK RGN,OIII NO GOOD,HBeta SUSP,(11:11pm),R=G
Jun 24 2022 36" 31mmT5 (IV 3 m n),EB,EEL,SVRL FOV'S,V RICH FOV,NICE TRI OF *S IN CNTR,AREA'S OF NEB DET,i*S VAR MAG,CANNOT DET CL,(3:27am),R=P
Sep 18 2004 31" 25mm EB,EL,~50*S,VAR MAG,SVRL FOV'S,LOOSELY SCATTERD,2 D*S IN CNTR,R=P
- IC 1454** **Planetary Neb 4**
Sep 12 2012 36" 17mmT4 MF,MS,R,PATCH,UB,2F*S ON EDGE,NO CNTR *,W/OIII,R NEB WITH DARK INNER CIRCLE,R=G
Jun 20 2004 31" 17mmT4 W/OIII,PB,PL,R,UB,VR,SHARP EDGES,DARK CNTR,2F*S ON OUTER EDGE,R=G
- IC 1470** **Brn Nebula E**
Sep 07 2023 12.5" 12mmT4 (Lb 2),DIF,MB,VS,LOOKS LIKE A S COMET,B N SIDE BALL,F S SIDE TAIL,AV REVEALS MORE NEB,(12:00am),R=G
Sep 18 2004 31" 17mmT4 DIF,W/OIII,PB,ML,BNUC,SHISB,COMET LIKE,GMBM,B* IN BEB,BLUE-GREENISH,R=G
- IC 1502** **Galaxy S0+**
Oct 12 2012 36" 17mmT4 MF,MS,EL,BLNUC,HISB CNTR,R=FG
Jun 24 2003 12.5" 9mmT6 MF,PS,PATCH,*NUC,SHISB,2F*S ON EDGE OF GLXY,SMWHT BM,*NUC SUSP,R=F
- KING 10** **Open Cluster II 1 m**
Aug 30 2022 12.5" 9mmT6 (II 1 m),PF,MS,~20-30*S SIM MAG,CL BUT NOT MUCH CONC,BTR *S SC BOTH SIDES,RICH * FOV,(1:27am),R=F
- KING 18** **Open Cluster II 2 p**
Aug 30 2022 12.5" 9mmT6 (II 2 p),MF,MS,~10-15*S,SMWHT VAR MAG,CL DET,SC,RICH * FOV,(1:00am),R=F
- KING 19** **Open Cluster III 2 p**
Sep 22 2022 12.5" 9mmT6 (III 2 p),MB,ML,FEW B *S MORE FTR *S,CL BUT NOT CONC,EASILY DET,~20*S,(10:37pn),R=F

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LBN 497		Brт Nebula	
Sep 12 2012 36"	17mmT4	PB,ML,3-5 SC B* EACH WITH NEB SUR **S,SOME PATCH NEB AREAS,INSIDE N7133,R=G	
MINK 2-51		Planetary Neb 2+3	
Jun 20 2004 31"	17mmT4	PF,MS,R,WITH OIII,VF* IN CNTR,R=G	
NGC 40		H58-4	Planetary Neb 3b+3
Sep 02 2008 31"	17mmT4	PB,ML,OVAL,LAYERS OF RINGS DET,B CNTR*,GREENISH,F* ON EDGE,OIII NO HELP,R=E	F,VS,R,VSMBM,*12SP
Jul 09 1983 12.5"	12mm	MB,PS,BNEC,B CNTR *,SHARP EDGES,R	
Aug 13 1982 12.5"	16mm	BG COLOR,MF,PS,R,B CNTR *,(10TH MAG),SIM TO BLINKING PL,F*W SIDE	
Aug 13 1982 12.5"	7mm	EL STARTING TO SHOW UP	
NGC 188		Open Cluster I 2 r	CL,VL,R,150-200*
Nov 11 2020 36"	31mmT5	(II 1 r),VB,EL,>100 **S, SIM MAG,WELL PLACED IN FOV,CL,(10:31pm),R=FG	
Jul 09 1983 12.5"	24mm	MF,PL,~50**S SC,F BG GLOW OF MANY **S	
NGC 1184		H704-2	Galaxy S0/a
Jan 30 2003 12.5"	9mmT6	MB,PL,EDGE ON,FNUC,SBM,CNTR BULGE,R=G	F,PL,ME
Sep 06 2002 12.5"	9mmT6	MB,ML,EL,SMWHT EDGE ON,HISB CNTR,GMBM,CNTR BULGE	
NGC 1544		Galaxy S?	VF,VS
Jan 30 2003 12.5"	9mmT6	PF,MS,OVAL,PATCH,FNUC,2F**S BOTH SIDES,F*IN GLXY,SNUC,SBM,R=F	
NGC 2276		Galaxy SAB(rs)c	F,60",LBM
Sep 06 2002 12.5"	9mmT6	DIF,PF,VL,OVAL,UB,NND,CLOSE TO B*,PAIR/2300/IC455	
NGC 2300		Galaxy SA0^	PB,PL,LE,BM
Sep 06 2002 12.5"	9mmT6	VB,PL,R,MHISB,BM,PAIR/2276/IC455	
NGC 6939		H42-6	Open Cluster II 1 r
Jul 09 1983 12.5"	24mm	MB,PL,~100**S,SMWHT V SHAPED,CL HAS DEFINITE EDGE,PAIR/6946	CL,PL,ERI,PCM,*11.16
Jun 06 1981 12.5"	16mm	PF,PL	
Aug 19 1980 12.5"	32mm	LOC THIS FIRST BEFORE 6946	
NGC 6946		H76-4	Galaxy SAB(rs)cd
Sep 12 2012 36"	17mmT4	PB,VL,BSNUC,SPR ARMS,KNOTS IN ARMS DET,H2 RGN DET,R=E	VF,VL,VG,VSMBM,RR
Jun 22 2003 12.5"	9mmT6	VB,EL,R,NND,SHISB,AREAS OF PATCHES DET,SVRL **S IN GLXY,R=E	
Jul 09 1983 12.5"	24mm	MF,VL,OVAL,3B**S TO ONE SIDE,SVRL F**S IN GLXY,SPR STR SUSP,PAIR/6939	
Aug 14 1982 12.5"	16mm	EDIF,MF,PL,PATCHY,OVAL,NND,**S IN GLXY,SEE CARD FOR DRAWING	
Jun 06 1981 12.5"	16mm	DIF,VL,MB,SOME SPR STR DET,FACE ON,SEVEAL **S IN GLXY,RESEMBLES M33	
Aug 19 1980 12.5"	32mm	VF,COULD NOT FIND IN 24MM	
NGC 6949		Galaxy S?	EF,PS,IR
Sep 12 2012 36"	17mmT4	MF,MS,OVAL,SNUC,SHISB CNTR,SLT BM,* OR **S IN CNTR,R=F	
Jun 22 2003 12.5"	9mmT6	VDIF,VF,ML,OVAL,PATCH,UB,NND,AV,LOC IN RICH * FOV,R=P	
NGC 6952		Galaxy SAB(rs)bc	PB,OVAL,DIF,*15NR F

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NGC 6952		Galaxy SAB(rs)bc	PB,OVAL,DIF,*15NR F
Sep 12 2012 36"	17mmT4	MB,MS,OVAL,BSNUC,F HALO SUR NUC,SOME SPR STR,HISB CNTR,3 VF*S IN ARMS,R=G	
Jun 22 2003 12.5"	9mmT6	MB,PL,OVAL,BNUC,SHISB,SBM,AREAS OF B RGN SUR NUC,R=G	
Jul 06 2002 12.5"	16mm	VDIF,VF,MS,PATCH,OVAL,F* ONE SIDE	
Jul 09 1983 12.5"	16mm	EDIF,VF,MS,OVAL,SBM,* TO W SIDE	
Aug 14 1982 12.5"	16mm	BAR MAYBE SUSP	
Aug 14 1982 12.5"	24mm	DIF,MF,MS,BNUC,R,F* OFF E SIDE	
Jun 06 1981 12.5"	16mm	DIF,MF,ML,DNUC,F HALO,14* IN OR SUR GLXY	
NGC 7023		H74-4	Brn Nebula R
Sep 07 2023 12.5"	12mmT4	(Lb 1),DIF,VB,ML,B* IN CNTR,GRAN NED DET,NICE FOV,NEB BKN EDGES,OIII NO GOOD,(10:44pm),R=E	*7IN EF,EL,NEBY
Sep 12 2012 36"	17mmT4	PB,VL,3*S WITH NEB,FINE DETAIL IN WISP OF NEB,GREENISH,OIII NO HELP,PATCHES,DRK AREAS,PAIR=CR 427,R=G	
Jul 09 1983 12.5"	12mm	DIF,MB,MS,GAS SUR B*,SOME DETAIL IN GAS DET	
NGC 7076		H936-3	Planetary Neb 3b
Jun 20 2004 31"	17mmT4	W/OIII,PF,ML,R,ONE SIDE BTR THAN OTHER,R=F	VF,ER
NGC 7129		H75-4	Open Cluster IV 2 p n
Sep 12 2012 36"	17mmT4	MB,ML,15*S LTL CL,VAR MAG,SC,PAIR=7133,R=P	CF,PL,GBM***
Jun 20 2004 31"	17mmT4	PB,PL,LOOSELY SC,~10 *S,PAIR=7133,R=F	
Aug 11 1982 12.5"	24mm	MF,PS,R-OVAL,4*S ON OUTSIDE EDGE,1F* IN CNTR OF OBJ,SAME FOV AS 7142	
NGC 7133		Brn Nebula R	VF,PL
Sep 07 2023 12.5"	17mmT4	(Lb 1),DIF,PB,MS,3 B *S 1 FTR IN CNTR OF BOX LIKE NEB,PATCHY,BKN,OIII NO GOOD,2 NGC OC'S ASSOC WITH LBN 424 NOT MUCH OF AN OC,(111:22pm),R=G	
Sep 12 2012 36"	17mmT4	PB,ML,3-5 SC B* EACH WITH NEB SUR *S,SOME PATCH NEB AREAS,PAIR=7129,R=G	
Jun 20 2004 31"	17mmT4	MB,PL,L B NEB,AREA OF NEB,CL OF LOOSELY *S,R=G	
NGC 7139		H696-3	Planetary Neb 3b
Sep 12 2012 36"	17mmT4	MB,ML,R,UB,W/OIII,SOME PATCHY DARK AREAS,OIII HELPS BRING OUT MORE DETAIL,R=G	VF,CS,R,R
Aug 25 1982 12.5"	24mm	VDIF,VF,ML,R,BARELY VISIBLE IN 24MM,F* IN S PART OF NEB,UB	
NGC 7142		H66-7	Open Cluster I 2 r
Jun 24 2022 36"	31mmT5	(I 2 r),VB,VL,NICE IN FOV,F* CL BUT EVENLY DIST,SVRL BTR *S SC,(3:38am),R=F	CL,CL,CRI,PC,*11..14
Jul 09 1983 12.5"	24mm	MB,ML,LOOSE-SC,~40*S SAME MAG	
Aug 11 1982 12.5"	24mm	MF,VL 3OR 4 B*S WITH HUNDREDS OF F*S SC,PAIR/7129	
NGC 7160		H67-8	Open Cluster I 3 p
Jul 09 1983 12.5"	24mm	MB,ML,COUPLE OF B*S IN CL WITH FTR *S,~50*S,LOOSE	CL,P,VLC
Aug 11 1982 12.5"	24mm	VB,MS,2B*S IN CNTR,20-30 *S,DOES NOT STAND OUT WELL IN FOV	
NGC 7226		Open Cluster I 2 m	PB,L,IN CLUSTER
Sep 12 2002 12.5"	32mm	PB,ML,~20*S SAME MAG,STANDS OUT WELL	
NGC 7234		Open Cluster cluster?	CL,S,P,LC
Jun 20 2004 31"	17mmT4	MF,PS,~7 *S SIM MAG,R=F	

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NGC 7234		Open Cluster cluster?	CL,S,P,LC
Sep 12 2002 12.5"	32mm	PF,VS,~10*S SIM MAG,F GLOW PRESENT	
Sep 18 1982 12.5"	16mm	DIF,VF,PS,R,SBM,CLOSE PAIR/7235	
NGC 7235		H63-8	Open Cluster II 3 m
Jun 24 2022 36"	17mmT4	(II 3 m),VB,ML,NICE FIT IN FOV,*S VAR MAG,CL DET,SMWHT CONC,(3:51am),R=FG	CL,PC,HAS RUBY*10
Jun 20 2004 31"	17mmT4	VB,VL,LOOSELY SC,VAR MAG,WELL PLACED IN 17MM,R=G	
NGC 7261		Open Cluster II 3 m	CL,L,PRI,LC
Jul 09 1983 12.5"	24mm	MB,PL,LOOSE SC,~30*S	
NGC 7281		Open Cluster IV 2 p	CL,L,PRI,LC,*10...16
Jun 20 2004 31"	17mmT4	PB,ML,~20 *S,VAR MAG,LOOSELY SC,R=F	
NGC 7352		Open Cluster cluster?	CL,VL,PRI,VLC
Jun 20 2004 31"	17mmT4	PB,ML,~10 *S SC,R=P	
NGC 7354		H705-2	Planetary Neb 4+3b
Sep 12 2012 36"	17mmT4	PB,ML,R,UB,MHISB,BLUEISH GREEN,NO CNTR*,OIII DARKENS NEB AND BRINGS OUT MORE DET,PATCHY,DARK AREAS,R=E	PLN,B,S,R,PGVLBM
Sep 02 2008 31"	17mmT4	PB,ML,R,UB,GREENISH,NO CNTR* TOO F,OIII DOESNOT HELP MUCH,R=E	
Jul 09 1983 12.5"	12mm	VF,PS,2F*S ON EDGE,VR,SOFT UB GLOW	
NGC 7380		H77-8	Open Cluster III 2 m n
Jul 09 1983 12.5"	24mm	MB,PL,SAME DEC AS 7261,L TRI SHAPE,LOOSE,SC,~50*S	CL,PL,PRI,LC,*9...13
Aug 11 1982 12.5"	24mm	MB,PL,50-70*;S,F GLOW BET *S,TRI SHAPE CL,GRT > 10 ARC MIN	
NGC 7419		H43-7	Open Cluster I 2 m
Sep 04 2002 12.5"	32mm	PB,ML,FEW B*S WITH GLOW IN BG	CL,PRI,CC
NGC 7423		H745-3	Open Cluster II 2 m
Aug 30 2022 12.5"	9mmT6	(II 2 m),PF,MS,SOME BTR *S WITH MANY FTR *S,CL,SMSHT CONC,RICH * FOV,(1:14am),R=PF	VF,PL,IF,ER
Jun 20 2004 31"	17mmT4	MF,PL,~50 *S SAME MAG,SOME B*S FOREGR,R=G	
NGC 7429		Open Cluster IV 2 p	CL,P,PC,*9...11
Sep 18 2004 31"	17mmT4	PB,ML,~10*S,LOOSE & SC,VAR MAG,R=F	
NGC 7510		H44-7	Open Cluster II 3 r n
Sep 22 2022 12.5"	9mmT6	(II 3 r n),VB,PL,B & F *S VAR MAG,NICE IN FOV,~40-50*S,F NEB DET,V SHAPE,BTR *S CONC IN A LINE,(10:25pm),R=G	CL,PRI,PC,FAN-SH,B*P
Jul 09 1983 12.5"	16mm	MB,MS,ARROW HEAD SHAPE,~40*S,SIM TO M103	
Aug 11 1982 12.5"	24mm	MB,VS,B*S RESEMBLE TRI,F*S NW,~30*S,STANDS OUT WELL	
NGC 7538		H706-2	Brn Nebula E
Sep 07 2023 12.5"	17mmT4	(Lb 1),DIF,MB,ML,2 F*S IN BALL OF NEB,PATCHY,EDGES BKN,W/OIII NEB APPEARS LGR AND MORE GRAN,(12:11am),R=GE	VF,L,2PB*INV
Sep 18 2004 31"	17mmT4	W/OIII,PB,PL,UB,SHISB,2 B*S IN CTR,WISPS OF NEB,SPR SHAPE,GREENISH,R=E	

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NGC 7708		H62-8	Open Cluster	CL,L,P,LC,*8,10...15
Sep 18 2004 31"	25mm	VB,EL,~50"S,SVRL FOV'S,VAR MAG,SC,R=P		
NGC 7762		H55-7	Open Cluster II 2 m	CL,PRI,PC,*11...15
Jul 09 1983 12.5"	24mm	MF,ML,DOESNOT STAND OUT WELL,LOOSE		
NGC 7822			Brn Nebula R	EEF,EEL
Sep 18 2004 31"	25mm	EDIF,EF,EL,L B NEB,SOME NEB SUSP,SVRL DEG,LOC B* GRP THEN SCAN,R=P		
PAL 1			Globular	
Feb 21 2020 36"	17mmT4	(Class ~ XII),VF,VS,OVAL,PATCH,NND,AV FIRST THEN HOLDS,R=P		
Sep 18 2004 31"	17mmT4	VDIF,EF,MS,PATCH,UB,AV,* HOPPED,LOC GOOD,PATCH AREA WITH AV,R=P		
PGC 12391			Galaxy Im	
Sep 06 2002 12.5"	9mmT6	EF,ES,*,LOC GOOD		
PGC 20028			Galaxy Double System	
Dec 28 2008 31"	17mmT4	DIF,VF,MS,OVAL,PATCH,NND,PAIR=PGC20066,R=P		
PGC 20066			Galaxy E?	
Dec 28 2008 31"	17mmT4	PF,MS,OVAL,VFSNUC,VF* OFF EDGE,PAIR=PGC20028,R=F		
PGC 20191			Galaxy S	
Dec 28 2008 31"	17mmT4	PF,MS,EDGE ON,PATCH,NND,R=F		
PGC 65255			Galaxy Sbc	
Jul 24 2006 31"	17mmT4	MB,ML,EL,PATCH,UB,SHISB,R=G		
PGC 69376			Galaxy Sc	
Sep 12 2012 36"	17mmT4	PF,PS,EL,PATCH,UB,NND,CIGAR SHAPE,R=F		
SH2 132			Brn Nebula E	
Sep 07 2023 12.5"	31mmT5	(Lb 2),DIF,MF,EEL,V RICH FOV,F NEB DET WITH PATCHES OF DARK AREAS,SOME B PATCHES DET BY SCANNING FOV,W/OIII HELP ALOT,L PATCH OF NEB EASILY DET,SVRL FOV'S,(11:35pm),R=G		
SH2 155			Brn Nebula	
Sep 07 2023 12.5"	17mmT4	(Lb 2),DIF,MF,PL,FITS NICE IN FOB,NEB DET IN PATCHES ARND/BET 2"S OF 4*LS IN AN ARCH,OIII NO GOOD,(11:48pm),R=FG		
Sep 02 2008 31"	31mmT5	EDIF,EF,EEL,PATCH,SVRL FOV,FEW B PATCHES DET,VF BG GLOW AREAS,R=P		