

Cepheus - The King

BERK 59		Open Cluster I 3 m n	
Nov 11 2020 36"	17mmT4	(I 3 m),PB,VL,ALM FILLS FOV,BROKEN HALVES,VAR MAG **S,~30**S,(9:33pm),R=F	
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 18 2004 31"	25mm	EB,EL,~50**S,VAR MAG,SVRL FOV'S,LOOSLY 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 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	
LBN 497		Brn 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,BCNTR*,GREENISH,F* ON EDGE,OIII NO HELP,R=E	F,VS,R,VSMBM,*12SP
Jul 09 1983 12.5"	12mm	MB,PS,BNEC,BCNTR *,SHARP EDGES,R	
Aug 13 1982 12.5"	16mm	BG COLOR,MF,PS,R,BCNTR *,(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

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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,VSBM,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,STARS 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 CNTER,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
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 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	*7IN EF,EL,NEBY
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,LOOSLY 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 OBJECT,SAME FOV AS 7142	

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NGC 7133		Brn Nebula R	VF,PL
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 LOOSLY *S,R=G	
NGC 7139		H696-3 Planetary Neb 3b	VF,CS,R,R
Sep 12 2012 36"	17mmT4	MB,ML,R,UB,W/OIII,SOME PATCHY DARK AREAS,OIII HELPS BRING OUT MORE DETAIL,R=G	
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	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	CL,P,VLC
Jul 09 1983 12.5"	24mm	MB,ML,COUPLE OF B*S IN CL WITH FTR *S,~50*S,LOOSE	
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 SIMILAR MAGNITUDE,R=F	
Sep 12 2002 12.5"	32mm	PF,VS,~10*S SIMILAR 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	CL,PC,HAS RUBY*10
Jun 20 2004 31"	17mmT4	VB,VL,LOOSELY SC,VAR MAGNITUDES,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 MAGNITUDES,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	PLN,B,S,R,PGVLBM
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	
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	CL,PL,PRI,LC,*9...13
Jul 09 1983 12.5"	24mm	MB,PL,SAME DEC AS 7261,L TRI SHAPE,LOOSE,SC,~50*S	
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	CL,PRI,CC

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NGC 7419 Sep 04 2002 12.5" 32mm	H43-7 PB,ML,FEW B*S WITH GLOW IN BG	Open Cluster I 2 m	CL,PRI,CC
NGC 7423 Jun 20 2004 31" 17mmT4	H745-3 MF,PL,~50 *S SAME MAGNITUDE,SOME B*S FOREGROUND,R=G	Open Cluster II 2 m	VF,PL,IF,ER
NGC 7429 Sep 18 2004 31" 17mmT4	H745-3 PB,ML,~10*S,LOOSE & SC,VAR MAG,R=F	Open Cluster IV 2 p	CL,P,PC,*9...11
NGC 7510 Jul 09 1983 12.5" 16mm Aug 11 1982 12.5" 24mm	H44-7 MB,MS,ARROW HEAD SHAPE,~40*S,SIMILAR TO M103 MB,VS,B*S RESEMBLE TRI,F*S NW,~30*S,STANDS OUT WELL	Open Cluster II 3 r n	CL,PRI,PC,FAN-SH,B*P
NGC 7538 Sep 18 2004 31" 17mmT4	H706-2 W/OIII,PB,PL,UB,SHISB,2 B*S IN CTR,WISPS OF NEB,SPR SHAPE,GREENISH,R=E	Brt Nebula E	VF,L,2PB*INV
NGC 7708 Sep 18 2004 31" 25mm	H62-8 VB,EL,~50*S,SVRL FOV'S,VAR MAG,SC,R=P	Open Cluster	CL,L,P,LC,*8,10...15
NGC 7762 Jul 09 1983 12.5" 24mm	H55-7 MF,ML,DOESNOT STAND OUT WELL,LOOSE	Open Cluster II 2 m	CL,PRI,PC,*11...15
NGC 7822 Sep 18 2004 31" 25mm	H55-7 EDIF,EF,EL,L B NEB,SOME NEB SUSP,SVRL DEG,LOC B* GRP THEN SCAN,R=P	Brt Nebula R	EEF,EEL
PAL 1 Feb 21 2020 36" 17mmT4 Sep 18 2004 31" 17mmT4	H55-7 (Class ~ XII),VF,VS,OVAL,PATCH,NND,AV FIRST THEN HOLDS,R=P VDIF,EF,MS,PATCH,UB,AV,STAR HOPPED,LOC GOOD,PATCH AREA WITH AV,R=P	Globular	
PGC 12391 Sep 06 2002 12.5" 9mmT6	H55-7 EF,ES,*,LOCATION GOOD	Galaxy Im	
PGC 20028 Dec 28 2008 31" 17mmT4	H55-7 DIF,VF,MS,OVAL,PATCH,NND,PAIR=PGC20066,R=P	Galaxy Double System	
PGC 20066 Dec 28 2008 31" 17mmT4	H55-7 PF,MS,OVAL,VFSNUC,VF* OFF EDGE,PAIR=PGC20028,R=F	Galaxy E?	
PGC 20191 Dec 28 2008 31" 17mmT4	H55-7 PF,MS,EDGE ON,PATCH,NND,R=F	Galaxy S	
PGC 65255 Jul 24 2006 31" 17mmT4	H55-7 MB,ML,EL,PATCH,UB,SHISB,R=G	Galaxy Sbc	
PGC 69376 Sep 12 2012 36" 17mmT4	H55-7 PF,PS,EL,PATCH,UB,NND,CIGAR SHAPE,R=F	Galaxy Sc	

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SH2 155

Brt Nebula

Sep 02 2008 31" 31mmT5 EDIF,EF,EEL,PATCH,SVRL FOV,FEW B PATCHES DET,VF BG GLOW AREAS,R=P