

## Astronomical League Planetary Nebula Observing Club

<b>1</b>	<b>NGC 40</b>	<b>Cep</b>	<b>H58-4</b>	<b>Planetary Neb 3b+3</b>	<b>F,VS,R,VSMBM,*12SP</b>
	Sep 02 2008 31"	17mmT4	PB,ML,OVAL,LAYERS OF RINGS DET,BRT C*,GREENISH,F* ON EDGE,OIII NO HELP,R=E		
	Jul 09 1983 12.5"	12mm	MB,PS,BNEC,BRT CENTRAL *,SHARP EDGES,R		
	Aug 13 1982 12.5"	16mm	BG COLOR,MF,PS,R,BRT CENTRAL *,(10TH MAG),SIM TO BLINKING PL,F*W SIDE		
	Aug 13 1982 12.5"	7mm	ELONGATION STARTING TO SHOW UP		
<b>2</b>	<b>NGC 246</b>	<b>Psc</b>	<b>H25-5</b>	<b>Planetary Neb 3b</b>	<b>VF,L,4*IN DIF NEB</b>
	Sep 02 2008 31"	17mmT4	VF,ML,OVAL,OIII HELPS GRTLY,TRANSLUCENT BUBLE,C*13MAG,BRT RINGS IN EDGE,R=G		
	Sep 27 1981 12.5"	16mm	DIF,BLUE GREEN,MB,BL,SOURROUNDS 4 *S, 1 * S,PATCHY OVALNESS		
	Oct 31 1980 12.5"	24mm			
	Oct 29 1980 8"	24mm			
	Sep 18 1980 12.5"	24mm	3*S IN NEB,ONE MOST LIKELY CENTRAL *		
<b>3</b>	<b>NGC 650</b>	<b>Per</b>	<b>M76 H193-1</b>	<b>Planetary Neb 3+6</b>	<b>VB,P OF DNEB</b>
	Sep 02 2008 31"	17mmT4	VB,VL,BRT HOUR GLASS CENTRAL REGION,FT WHISPS OF NEB SIDES,OIII NO HELP,F* EDGE OF HOUR GLASS,NO C* DET,R=E		
	Mar 19 2004 12.5"	12mmT4	W/OIII. VB,PL,HOUR GLASS SHAPE,BAR,TWO HALVES,MESSIER MARATHON 2004,R=E		
	Dec 06 2002 12.5"	9mmT6	PB,PL,2 LOBES EASILY DETECTED,MHISB,BRT REGION IN ONE LOBE. M76		
	Mar 02 1984 10"	20mm	SAME		
	Aug 25 1982 12.5"	16mm	HOUR GLASS SHAPE,WHIPHS OF NEB AROUND TIPS,SAME AS BEFORE		
	Oct 03 1981 12.5"	24mm	BLUE GREEN,MB,PS,S PART BRTER,HISB,2 PARTS DET,DARK PATCH		
	Mar 27 1981 12.5"	24mm	MESSIER MARATHON 1981		
	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 11 1980 12.5"	24mm			
<b>4</b>	<b>IC 1747</b>	<b>Cas</b>	<b>Planetary Neb 3b</b>		
	Sep 18 2004 31"	17mmT4	PB,MS,W/OIII,R,DARK CENTER SUSP,BRT R BLUEISH BALL,R=E		
<b>5</b>	<b>ABELL 4</b>	<b>Per</b>	<b>Planetary Neb</b>		
	Feb 05 2005 31"	17mmT4	DIF,VF,MS,R,OIII,GREENISH,SOME PATCHY AREAS DET,PAIR=PGC10427,R=G		
<b>6</b>	<b>IC 289</b>	<b>Cas</b>	<b>Planetary Neb 4+2</b>		
	Sep 18 2004 31"	17mmT4	MF,ML,R,UB,W/OIII,GREENISH,DARK PATCH IN CENTER SUSP,NO CENTRAL *,R=E		
<b>7</b>	<b>NGC 1360</b>	<b>For</b>	<b>Planetary Neb 3</b>		<b>*8IN B,LNEB,E NS</b>
	Dec 28 2008 31"	17mmT4	PF,PL.EL.C*11M,OIII HELPS A LOT,ONE HALF BRTER THAN OTHER,SOMEWHAT HISB,R=G		
<b>8</b>	<b>IC 351</b>	<b>Per</b>	<b>Planetary Neb 2a</b>		
	Dec 20 2003 31"	17mmT4	PB,MS,R,VHISB,BRT BLUE,NO CENTRAL *,R=G		
<b>9</b>	<b>IC 2003</b>	<b>Per</b>	<b>Planetary Neb 2</b>		
	Feb 05 2005 31"	17mmT4	OIII,PB,VS,R,BRT BLUE,BRT AREA ON ONE SIDE,PAIR=MAC,R=E		
<b>10</b>	<b>NGC 1501</b>	<b>Cam</b>	<b>H53-4</b>	<b>Planetary Neb 3</b>	<b>PLN,PB,PS,VLE,1'DIAM</b>
	Oct 03 1981 12.5"	12mm	VERY R,UB,F CENTRAL * 14TH MAG DET,GREEN,DIF,MF,MS		
<b>11</b>	<b>NGC 1514</b>	<b>Tau</b>	<b>H69-4</b>	<b>Planetary Neb 3+2</b>	<b>*9IN NEB3'DIAM</b>
	Dec 25 1984 12.5"	16mm	PB,ML,BRT CENTRAL *,LOC BETWEEN 2B**S.LARGE BALL OF NEBULA,R,MOD HISB		
<b>12</b>	<b>NGC 1535</b>	<b>Eri</b>	<b>H26-4</b>	<b>Planetary Neb 4+2c</b>	<b>PLN,VB,S,R,PS,VSMB,R</b>

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- 12 NGC 1535 Eri H26-4 Planetary Neb 4+2c PLN,VB,S,R,PS,VSBM,R**  
 Dec 28 2008 31" 17mmT4 VB,ML,R,C\*12M,OIII BRT INNER RING,R HALO,HISB MIDDLE, OIII HELPS SOMEWHAT,R=E  
 Oct 30 1981 12.5" 12mm BLUE,MB,PL,BRT MIDDLE,12MAG CENTRAL \*  
 Oct 31 1980 12.5" 24mm SIM IN COLOR TO SATURN NEBULA,FIND 1537 FIRST,GREAT!!!
- 14 J 320 Ori Planetary Neb 2+4**  
 Dec 28 2008 31" 17mmT4 PF,VS,NO C\*,VS UB BALL,BLUEISH,OIII DOESN'T HELP MUCH,R=G  
 Oct 04 2005 31" 17mmT4 VB,PS,R,W/OIII,BRT BLUE,SOME FAINT NEB DET OUTSIDE R BALL,R=G
- 15 IC 418 Lep Planetary Neb 4**  
 Dec 28 2008 31" 17mmT4 VB,PS,R,BRT C\*10M,GRANDULAR NEB,C\* GETS LOST IN NEB WITH AV,OIII HELPS LITTLE,R=G  
 Oct 31 1980 12.5" 9mm BRT BLUE,NICE!!!
- 16 NGC 2022 Ori H34-4 Planetary Neb 4+2 PLN,PB,VS,VLE**  
 Dec 28 2008 31" 17mmT4 MB,ML,R,PATCH,VF C\* WITH AV,EDGES FRAILED,OIII DOESN'T HELP MUCH,R=G  
 Dec 30 1983 12.5" 12mm MF,PS,NO CENTRAL \* DET,R,UB,LINE OF F\*S OFF TO BOTH SIDES  
 Oct 31 1980 12.5" 24mm LOOKS LIKE PALE GREY \*  
 Sep 10 1980 12.5" 24mm  
 Sep 10 1980 12.5" 32mm EASILY DET,NICE
- 17 IC 2149 Aur Planetary Neb 3b+2**  
 Dec 28 2008 31" 17mmT4 PB,MS,OVAL,BRT C\*,HISB,BRT BLUE,W/OIII,NO C\*,NEB ELONG,R=G  
 Feb 17 2004 31" 17mmT4 DIF,PB,MS,ELONG,OVAL,MHISB,OIII,NO CENTRAL \*,UB CENTER,FAINT THIN HALO,R=E
- 18 IC 2165 CMa Planetary Neb 3b**  
 Dec 28 2008 31" 17mmT4 MB,PS,R,UB,BRT BLUEISH BALL, NO C\*,OIII DOESN'T HELP MUCH,R=G  
 Dec 19 2006 31" 17mmT4 VB,PS,R,BRT BLUE BALL,NO CENTRAL \*,W/OIII NEB IS BRIGHTER,R=G
- 19 J 900 Gem 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 DIF,PB,MS,BRT BLUE,\* CLOSE BY,CENTRAL BRIGHTNESS DET,R=G  
 Feb 17 2004 31" 17mmT4 PB,MS,R,HISB,FAINT HALO AROUND OBJECT DET,OIII,R=E
- 20 MINK 1-7 Gem 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
- 21 NGC 2346 Mon H65-4 Planetary Neb 3b+4 \*10AFF W/ S,VF,NEB**  
 Dec 28 2008 31" 17mmT4 VB,PL,R,HISB,BRT C\*11,BRT GREENISH,MORE NEB WITH AV,OIII DOESN'T HELP MUCH,R=E  
 Oct 05 2002 12.5" 9mmT6 PB,PS,BNUC,VBM,CENTRAL \* APPROX 8 MAG,R,HISB,BLUE GREEN CENTRAL REGION
- 22 NGC 2371 Gem H316-2 Planetary Neb 3a+2 B,S,R,BMN,P OF DNEB**  
 Dec 28 2008 31" 17mmT4 PB,PL,C\*15,2 HALVES,LOBS BOTH SIDES,SHISB,HOUR GLASS SH,OIII HELPS V LITTLE,R=E  
 Feb 21 1984 12.5" 12mm SAME  
 Feb 21 1984 12.5" 12mm SAME,SOUTH PART BRT THAN N,CENTRAL \* DET,VF,VS  
 Oct 23 1982 12.5" 12mm MF,MS,2 PARTS EASILY DET,W SIDE BRT,BOTH MOD HISB,NSS  
 Oct 23 1982 12.5" 12mm SEE 2371  
 Dec 03 1980 12.5" 24mm  
 Oct 31 1980 12.5" 16mm DOUBLE NEBULA,2 NEB ON TOP OF EACH OTHER,NICE!!
- 23 ABELL 21 Gem 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

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<b>23</b>	<b>ABELL 21</b>	<b>Gem</b>		<b>Planetary Neb</b>	
	Jan 24 2004 31"	24mmTP	DIF,PF,VL,UB,WITH OIII,PATCHY AREAS IN 2 HALVES CENTERED AROUND *,R=G		
<b>24</b>	<b>NGC 2392</b>	<b>Gem</b>	<b>H45-4</b>	<b>Planetary Neb 3b+3b</b>	<b>B,S,R,*9M,*8NF100"</b>
	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!!		
<b>25</b>	<b>NGC 2438</b>	<b>Pup</b>	<b>H39-4</b>	<b>Planetary Neb 4+2</b>	<b>PLN,PB,PS,VLE,R</b>
	Dec 28 2008 31"	17mmT4	VB,ML,R,2*S INSIDE CENT RING,INNER AREA DKER,MOD HISB INNER RING,OIII HELPS,R=E		
	Mar 19 2004 12.5"	12mmT4	W/OIII. PLANETARY IN M46,RING SHAPE,CENTRAL DARKNESS,DONUT APPEARANCE,R=E		
	Mar 27 1982 12.5"	12mm	MF,PS,24MM-NO CENTRAL * DET,R,UB,12MM-CENTRAL * DET,UB,R,SOME DARK PATCHES SUSP		
	Dec 03 1980 12.5"	24mm	PLANETARY IN M46,GREAT!!		
<b>26</b>	<b>NGC 2440</b>	<b>Pup</b>	<b>H64-4</b>	<b>Planetary Neb 5+3</b>	<b>PLN,CB,NOT VWELL DEF</b>
	Dec 28 2008 31"	17mmT4	VB,PL,EL,NO C*,IRR,2 HALVES/LOBS,HISB MIDDLE,F OUT SHELL,OIII HELP DETAIL,R=E		
	Dec 03 1980 12.5"	24mm	SIM TO SATURN NEBULA,BRT BLUE,SLIGHT DIF NEB AROUND OBJECT		
<b>27</b>	<b>NGC 2452</b>	<b>Pup</b>		<b>Planetary Neb 4+3</b>	<b>PLN,F,S,LE,AM60*</b>
	Dec 28 2008 31"	17mmT4	MB,MS,OVAL,DARK AREA IN NEB DET,NO C*,OIII DOESN'T HELP MUCH,GREENISH COLOR,R=G		
	Nov 22 2006 12.5"	12mmT4	MF,VS,R,PAIR=2453,S BLUEISH BALL,OIII HELPS SOMEWHAT,R=G		
	Dec 03 1980 12.5"	24mm	NOT MUCH SURFACE BRT,PAIL GREY,OVAL,PATCH,BESIDE CLUSTER - 2453		
<b>28</b>	<b>JNER 1</b>	<b>Lyn</b>		<b>Planetary Neb 4</b>	
	Mar 06 2010 31"	17mmT4	MF,VL,PATCH,2 AREAS OF PATCHY NEB DET,C*VF,SEVERAL VF*S IN CENTER REGION,OIII HELPS ALOT,MUCH MORE NEB,2 BRT HALVES,F NEB IN AREA,R=F		
	Apr 03 2005 31"	17mmT4	W/OIII,DIF,VF,PL,OVAL,R,PATCH,NO CENTRAL *,LARGE AREA OF NEB DET,R=G		
<b>29</b>	<b>NGC 2610</b>	<b>Hya</b>	<b>H35-4</b>	<b>Planetary Neb 4+2</b>	<b>F,S,ATTTO*13,*7NF</b>
	Dec 28 2008 31"	17mmT4	PB,ML,OVAL,UB,B* IN FOV,* IN EDGE,VF C*15,OIII DOESN'T HELP MUCH,R=G		
	Nov 22 2006 12.5"	12mmT4	MF,PS,R,F* ON EDGE OF NEB,OIII HELPS OUT SLIGHTLY,R=F		
	Mar 29 2006 31"	17mmT4	DIF,MB,ML,R,UB,* IN EDGE,W/OIII,PATCHY,DARK AREAS,OVAL WITH BRT EDGES,R=G		
<b>30</b>	<b>MINK 3-6</b>	<b>Pyx</b>		<b>Planetary Neb 2a</b>	
	Dec 28 2008 31"	17mmT4	MB,PS,OVAL-R,UB,NO C*,BRT BLUEISH BALL,OIII HELPS LITTLE,MORE BLUE,R=G		
<b>31</b>	<b>NGC 2818</b>	<b>Pyx</b>		<b>Planetary Neb PN</b>	<b>PLN,PB,PL,R,VGLBM</b>
	Dec 28 2008 31"	17mmT4	MB,MS,UB,NO C*,NEB INSIDE CLUSTER CR 206,W/OIII,NEB HAS PATCHY AREAS,R=G		
<b>32</b>	<b>NGC 3132</b>	<b>Vel</b>		<b>Planetary Neb 4+2</b>	<b>PLN,VB,VL,LE*9M</b>
	Dec 28 2008 31"	17mmT4	VB,PL,OVAL,BRT C*,DARK INNER RING,BRT BLUEISH GREEN,8 DEG ABOVE H,OIII HELPS,R=E		
<b>33</b>	<b>NGC 3242</b>	<b>Hya</b>	<b>H27-4</b>	<b>Planetary Neb 4+3b</b>	<b>PLN,VB,LE147,45"D</b>
	Dec 28 2008 31"	17mmT4	VB,PL,R,HISB,C*13,OUT SHELL,BRTER INNER RING W/TAP SIDES,BRT BLUEISH,OIII HL,R=E		
	Feb 12 1983 12.5"	16mm	MB,PS,R,BLUE FUZZY EDGES,UB,NO CENTRAL *		
	Dec 03 1980 12.5"	24mm	GHOST OF JUPITER,PAIL GREENISH COLOR,GREAT!!		
<b>34</b>	<b>NGC 3587</b>	<b>UMa M97</b>		<b>Planetary Neb 3a</b>	<b>PLN,VB,VL,R,VVG,VSBM</b>

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<b>34</b>	<b>NGC 3587</b>	<b>UMa M97</b>	<b>Planetary Neb 3a</b>	<b>PLN,VB,VL,R,VVG,VSBM</b>	
Mar 16 2009	31"	17mmT4	EB,EL,C* DET APPROX 15TH MAG,DARK PATCHES,BROKEN EDGES,GREYISH GREEN,R=E		
Mar 16 2009	31"	17mmT4	EB,EL,W/OIII,LOOSE C*,DOESNOT HELP MUCH,LITTLE MORE DARK PATCHES DET,R=E		
Feb 04 2005	31"	17mmT4	OIII,VB,EL,OVAL,HISB,2 DARK PATCHES,CENTRAL *,BEST TO DATE,PATCHY AREAS,DET,R=E		
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004		
Dec 26 2003	31"	17mmT4	PB,VL,MOD HISB,CENTRAL *,DARK PATCHES,EDGES FRAILED,ANOTHER F* OFF CENTER,R=E		
Mar 15 1985	12.5"	12mm	VERY R,DARK PATCHES DET,BG COLOR,BEST VIEW EVER!!!		
Mar 15 1985	12.5"	16mm	SAME,EB,VL		
Mar 02 1984	10"	20mm	MB,ML,R,B* OFF ONE SIDE,UB WITH SOME DARK AREAS		
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981		
Oct 31 1980	12.5"	24mm			
Sep 18 1980	12.5"	24mm			
Sep 10 1980	12.5"	24mm			
May 07 1980	5"	9mm			
Apr 18 1980	6"	24mm			
Apr 16 1980	6"	24mm	IN SAME FOV WITH M108		
<b>35</b>	<b>NGC 4361</b>	<b>Crv</b>	<b>H65-1</b>	<b>Planetary Neb 3a+2</b>	<b>VB,L,R,VSMBMN,R</b>
Mar 16 2009	31"	17mmT4	VB,EL,BRT C*,SQUARE SHAPE NEB,GREENISH,W/OIII,NEB MORE PRONOUNCED,HELPS A LITTLE,NEB MORE SQUARE LIKE,R=E		
May 03 1981	12.5"	16mm	BLUE GREEN,PB,PL,CENTRAL * APPROX 11MAG DET		
<b>36</b>	<b>IC 3568</b>	<b>Cam</b>	<b>Planetary Neb 2+2a</b>		
Mar 17 2009	31"	17mmT4	VF,ML,R,F* OFF SIDE,BRT BLUEISH,GMB,BRT CENT REG,OUTTER SHELL GRANDULAR,W/OIII,DOESNOT HELP MUCH,R=E		
Feb 04 2005	31"	17mmT4	PB,ML,R,BNUC,BRT BLUE,BM,HALO AROUND CENTRAL NUC,F* OFF ONE EDGE,R=E		
<b>37</b>	<b>ABELL 35</b>	<b>Hya</b>	<b>Planetary Neb 3a</b>		
Mar 20 2009	31"	17mmT4	C* APPROX 9TH MAG,W AND W/O OIII CANNOT DETECT ANY NEB,R=P		
Mar 17 2009	31"	17mmT4	LOC GOOD,SCAN WITH AND WITHOUT OIII,ON MERIDIAN,GOOD SKIES,NO NEB DET,R=P		
<b>38</b>	<b>ABELL 36</b>	<b>Vir</b>	<b>Planetary Neb</b>		
Mar 20 2009	31"	17mmT4	EF,PL,C* 10TH MAG,F NEB DET AROUND C *,NO NEB OUTTER SHELL,OIII DOESNOT HELP,R=P		
Mar 17 2009	31"	17mmT4	BRT BLUEISH FUZZY BALL,NO OUTTER SHELL OF NEB DET,OIII DOESN'T HELP,R=F		
<b>39</b>	<b>NGC 5873</b>	<b>Lup</b>	<b>Planetary Neb 2</b>	<b>PLN,STELLAR=9.5MAG</b>	
Mar 20 2009	31"	12mmT4	MB,VS,R,V SM BLUEISH BALL,NO C*,VF* OFF ONE SIDE,OIII HELP LITTLE,R=G		
<b>40</b>	<b>NGC 6026</b>	<b>Lup</b>	<b>Planetary Neb 4</b>	<b>F,S,R,GPMBM,TRI* NP</b>	
Mar 20 2009	31"	17mmT4	MF,MS,R,B CENT REGION,C* 13TH MAG,W/OIII,C* VERY DIM,MORE NEB DET,R BALL,R=F		
<b>41</b>	<b>NGC 6058</b>	<b>Her</b>	<b>H637-3</b>	<b>Planetary Neb 3+2</b>	<b>PF,VS,R,STELLAR</b>
Mar 20 2009	31"	17mmT4	MF,MS,R,B C* 12TH MAG,GRANULAR NEB,OIII KNOCKS OUT C*,DOESNOT HELP MUCH,R=F		
Sep 06 2002	12.5"	16mm	PB,ML,R,DIF HALO,BM		
Sep 06 2002	12.5"	9mmT6	BM,MOD HISB,CENTRAL *		
<b>42</b>	<b>IC 4593</b>	<b>Her</b>	<b>Planetary Neb 2+2</b>		
Apr 16 2009	31"	17mmT4	VB,MS,R,C* 10TH,BRT BLUEISH GREEN BALL,BRT CENT REGION,GRANDULAR NEB AROUND C*,OIII KNOCKS OUT C*,DOESNOT HELP MUCH,R=E		
<b>43</b>	<b>NGC 6072</b>	<b>Sco</b>	<b>Planetary Neb 3a</b>	<b>PF,R,VGVIBM,R</b>	
May 17 2009	31"	17mmT4	PB,PL,NO C*,R,UB,FRAILED EDGES,OIII HELPS NEB A LITTLE,R=G		
<b>44</b>	<b>NGC 6153</b>	<b>Sco</b>	<b>Planetary Neb 4</b>	<b>PLN,STELLAR</b>	

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<b>44</b>	<b>NGC 6153</b>	<b>Sco</b>		<b>Planetary Neb 4</b>	<b>PLN,STELLAR</b>
	May 17 2009 31"	17mmT4	VB,ML,R,UB,HISB,NO C*,BRT BLUEISH GREEN,OIII HELPS,R=E		
<b>45</b>	<b>NGC 6210</b>	<b>Her</b>		<b>Planetary Neb 2+3b</b>	<b>PLN,VB,VS,R,DISC</b>
	May 17 2009 31"	17mmT4	VB,ML,C* APP 12TH MAG,INNER REGION GRANULAR,F WHISPS OF NEB BEYOND BALL,BRT B-G,BRT INNER REGION AROUND C*,OIII SHOWS MORE FAINT NEB AROUND BALL,R=E		
	Jul 14 1980 12.5"	24mm			
	Jul 12 1980 12.5"	24mm			
	Jul 11 1980 12.5"	24mm			
	Jul 05 1980 12.5"	24mm			
	Jun 17 1980 12.5"	9mm	FIRST SIGHTING,BRT BLUE WITH 9MM AND NEBULA FILTER		
<b>46</b>	<b>IC 4634</b>	<b>Oph</b>		<b>Planetary Neb 2a+3</b>	
	May 17 2009 31"	17mmT4	PB,PS,BRT BLUEISH BALL,NO C*,MEB ELONG W/TAPPERED ENDS,OIII DOES NOT HELP,R=G		
	Jun 19 2004 31"	17mmT4	VF,PS,R,UB,WITH OIII,BRT BLUE,TAPPERED ENDS,NO CENTRAL *,R=E		
<b>47</b>	<b>MINK 2-9</b>	<b>Oph</b>		<b>Planetary Neb ?+6</b>	
	May 17 2009 31"	12mmT4	MB,PS,ELONG,VSMALL CENT REGION OR C* APPROX 12TH MAG,NEB ELONG (BAR) FROM C*,LOOKS LIKE EDGE ON GAL W/VERY SNUC,OIII DOES NOT HELP,R=F		
<b>48</b>	<b>NGC 6302</b>	<b>Sco</b>		<b>Planetary Neb 6</b>	<b>PB,E PF,(SWIFT,TRIP)</b>
	May 18 2009 31"	17mmT4	VB,VL,ELONG,BRT BLUE-GREEN,IRR IN SHAPE,HISB,BRT CENTRAL REGION AROUND C*,BM,NO C* JUST BRT REGION,TAPPERED ENDS,ONE SIDE THINNER AND THICKER THAN OTHER,OIII HELPS,NEB GRANULAR BROKEN IN PARTS,NEB S-SHAPE,R=E		
	May 28 2008 31"	17mmT4	VB,VL,ELONG,HISB,B CENTRAL * REGION,PATCHY AREAS OF NEB DET,BRT AREAS,W/OIII,MORE DETAIL IN NEB,BRT GREEN,EXCELLENT,R=E		
<b>49</b>	<b>NGC 6309</b>	<b>Oph</b>		<b>Planetary Neb 3b+6</b>	<b>B,S,BET2*VNR</b>
	May 18 2009 31"	17mmT4	VB,ML,BRT BLUEISH,HISB,F* ON END,VF* OFF SIDE TOUCHING,NO C*,BOX LIKE NUC REGION,FAINT NEB EXTENDED OFF SIDES,RECTANGLE SHAPE,OIII DOESNOT HELP MUCH,R=E		
	Jul 21 1984 12.5"	12mm	VF,ES,DOUBLE * TO W,F* JUST N SIDE,BRT BAR N-S DET,NSS,MHISB		
	Jun 04 1981 12.5"	16mm	WITH 2X BARLOW,BLUE,BESIDE F*,NO CENTRAL * DET		
<b>50</b>	<b>NGC 6337</b>	<b>Sco</b>		<b>Planetary Neb 4</b>	<b>RINGNEB,EF,S,AM ST</b>
	May 18 2009 31"	17mmT4	MB,ML,TRANSLUCENT BALL WITH C* OFF CENTERED,APPROX 14TH MAG,PATCHES OF NEB IN BALL DET,OUTTER RING BRTER,OIII HELPS,LIKE M57,KNOCKS OUT C*,R=G		
<b>51</b>	<b>NGC 6369</b>	<b>Oph</b>	<b>H11-4</b>	<b>Planetary Neb 4+2</b>	<b>RINGNEB,PB,S,R</b>
	May 18 2009 31"	17mmT4	MB,ML,R,RESEMBLES M57,C* APPROX 15TH MAG,RING WITH FT NEB INSIDE,SOMEWHAT BRIGHTER AROUND C*,OIII DOESNOT HELP MUCH,NEB SLIGHTLY BRIGHTER,R=E		
	Jun 04 1981 12.5"	24mm	GREEN,MF,MS,NO CENTRAL * DET		
	Jun 18 1980 12.5"	9mm	GOOD,LOC BESIDE F*,DISK DET		
<b>52</b>	<b>NGC 6445</b>	<b>Sgr</b>	<b>H586-2</b>	<b>Planetary Neb 3b+3</b>	<b>PB,PS,R,GBM,R,*15NP</b>
	May 18 2009 31"	17mmT4	VB,PL,HISB,LOOKS LIKE A BIG MAC SANDWITCH,2 HAMBURGER BUNS,NO C*,SEPERATED IN 2 HALVES,BOX-SQUARE SHAPE,OIII, OUTTER SIDES OF NEB BRTER,R=E		
	Sep 20 1984 12.5"	12mm	DIF,MF,PS,F* NW EDGE,B* TO W,PATCHY		
	Aug 13 1982 12.5"	16mm	PF,VS,BLUE GREEN,F* ON NW EDGE,OVAL-PATCHY,SBM,PAIR/6440		
<b>53</b>	<b>IC 4670</b>	<b>Sgr</b>		<b>Planetary Neb PN</b>	
	Aug 15 2009 31"	17mmT4	MB,VS,R,C* 15TH,GRYISH,OIII,NEB BRTER,NOT MUCH NEB AROUND C*,R=F		
<b>54</b>	<b>NGC 6543</b>	<b>Dra</b>	<b>H37-4</b>	<b>Planetary Neb 3a+2</b>	<b>PLN,VB,PS,SBMVSN</b>
	May 19 2009 31"	17mmT4	VB,VL,BRT GREENISH,C* 10TH MAG,BRT INNER CORE,GRANULAR BALL,VF WHISPS OF NEB AROUND BALL,OIII BRINGS OUT OUTTER HALO ONLY,PAIR=IC4677,R=E		
	Mar 26 2006 31"	17mmT4	VF,PL,BRT BLUE,CENTRAL *,DETAIL IN NEB,DARK INNER RING,PAIR=IC4677,R=E		
	Jun 23 2003 12.5"	9mmT6	VB,ML,ELONG,OVAL,VERY HISB,BRT NUC,SLIGHTLY ELONG,FAINT HALO AROUND GAL,R=E		

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<b>54</b>	<b>NGC</b>	<b>6543</b>	<b>Dra</b>	<b>H37-4</b>	<b>Planetary Neb 3a+2</b>	<b>PLN,VB,PS,SBMVSN</b>
Jul 22 1981	12.5"	16mm			BLUEISH IN COLOR,PB,MS,NO CENTRAL * DET	
Jul 14 1980	12.5"	24mm				
Jul 11 1980	12.5"	24mm				
Jun 20 1980	12.5"	24mm				
<b>55</b>	<b>NGC</b>	<b>6537</b>	<b>Sgr</b>		<b>Planetary Neb 2a+6</b>	<b>PLN,B,S,STELLAR</b>
May 19 2009	31"	12mmT4			PB,PS,UB,NO C*,BLUEISH GREEN,SMALL BALL,OIII DOESNOT HELP,R=G	
<b>56</b>	<b>NGC</b>	<b>6565</b>	<b>Sgr</b>		<b>Planetary Neb 4</b>	<b>PLN,STELLAR</b>
May 19 2009	31"	12mmT4			PB,VS,UB,NO C*,GREENISH-BLUE BALL,OIII DOESNOT HELP MUCH,R=G	
Sep 21 1984	12.5"	12mm			VF,VS,3F*S TO N IN A LINE,BLUEISH COLOR,R,UB	
<b>57</b>	<b>NGC</b>	<b>6563</b>	<b>Sgr</b>		<b>Planetary Neb 3a</b>	<b>PLN,F,L,CE,HAZY EDGE</b>
May 19 2009	31"	17mmT4			PB,PL,UB,NO C*,GREENISH,PARTS AROUND EDGE NOT WELL DEFINED,OIII MORE NEB,R=E	
Sep 21 1984	12.5"	12mm			VDIF,VF,VS,VF* OFF TO W,PATCHY-R,UB	
<b>58</b>	<b>NGC</b>	<b>6572</b>	<b>Oph</b>		<b>Planetary Neb 2a</b>	<b>PLN,VB,VS,R,LHAZY</b>
May 19 2009	31"	17mmT4			VB,ML,BRT BG (TORQUOISE),UNIQUE COLOR,BM,OIII LG HALO NEB AROUND BALL,R=E	
Jun 27 2003	12.5"	9mmT6			EB,PL,BRT BLUE,FAINT HALO AROUND CENTRAL REG,OUTTER SHELL DET OIII FILTER,R=E	
Sep 21 1984	12.5"	12mm			PB,PS,BRT R BALL,CENTRAL * NOT DET,UB,HISB	
Jun 04 1981	12.5"	24mm			BLUE,MB,PS	
Jun 18 1980	12.5"	24mm			LOOKS LIKE BRT * AT TIP OF TRI	
Jun 18 1980	12.5"	24mm			WITH BARLOW,LOOKS LIKE B* AT TIP OF TRI	
Jun 18 1980	12.5"	9mm			VERY BRT BLUE WITH BARLOW AND 9MM,SHAPE EASILY DET	
Jun 18 1980	12.5"	9mm			WITH BARLOW SHAPE EASILY DET	
<b>59</b>	<b>NGC</b>	<b>6567</b>	<b>Sgr</b>		<b>Planetary Neb 2a+3</b>	<b>PLN,STELL,11M,IN ACL</b>
May 19 2009	31"	12mmT4			MB,VS,UB,VF* OFF TO SIDE,RICH * FOV,VF C* SUSP,OIII DNOT HELP,BLUEISH SBALL,R=F	
Sep 21 1984	12.5"	12mm			DIF,MF,MS,R,BRT BLUE,ALMOST STELL	
<b>60</b>	<b>NGC</b>	<b>6578</b>	<b>Sgr</b>		<b>Planetary Neb 2a</b>	<b>PLN,STELLAR=13MAG</b>
May 19 2009	31"	12mmT4			PB,MS,,VF* OR PIECE OF NEB OFF ONE SIDE,VF C* APP 15TH SUSP,GBM,OIII DNH,R=G	
Sep 12 2007	31"	17mmT4			W/OIII,PB,MS,R,BRT MIDDLE,BLUEISH BALL,HISB MIDDLE,* OFF SIDE,FT HALO AROUND,R=G	
<b>61</b>	<b>NGC</b>	<b>6620</b>	<b>Sgr</b>		<b>Planetary Neb 2b</b>	<b>PLN,STELLAR</b>
May 19 2009	31"	12mmT4			MB,VS,SOME BRTING MIDDLE DET,NO C*,GREENISH,OIII HELPS BRTEN NEB,R=F	
Sep 05 2007	31"	17mmT4			MB,VS,GREENISH BALL,SMBM,OIII DOESN'T HELP MUCH,R=F	
<b>62</b>	<b>NGC</b>	<b>6629</b>	<b>Sgr</b>	<b>H204-2</b>	<b>Planetary Neb 2a</b>	<b>PLNORGCL,PB,EES,R</b>
May 19 2009	31"	12mmT4			MB,PS,R,C* APPROX 13TH MAG,BLUEISH-GREEN,BRT TOWARDS MIDDLE,OIII DNH,R=G	
Aug 13 1982	12.5"	7mm			MF,VS,BETWEEN 2*S IN FIELD OF VIEW,HARD TO LOC,R,BLUE GREEN COLOR	
<b>63</b>	<b>NGC</b>	<b>6644</b>	<b>Sgr</b>		<b>Planetary Neb 2</b>	<b>PLN,STELLAR</b>
May 19 2009	31"	12mmT4			MB,VS,R,UB,BLUEISH,NO C*,OIII BRIGHTENS NEB,R=G	
Sep 05 2007	31"	17mmT4			W/OIII,PB,MS,R,BRT BLUE BALL,STANDS OUT WELL,W/O OIII,SOME FNEB AROUND CREG,R=G	
<b>64</b>	<b>IC</b>	<b>4732</b>	<b>Sgr</b>		<b>Planetary Neb 1</b>	
May 19 2009	31"	12mmT4			MF,ES,R,HARD TO DET FROM FOV *S,NO C*,OIII DOES NOT HELP,BLUEISH BALL,R=P	
Sep 12 2007	31"	17mmT4			PF,PS,R,VERY SM BRT CENTER WITH F NEB AROUND CENTRAL *,OIII DOESNOT HELP,R=F	
<b>65</b>	<b>IC</b>	<b>4776</b>	<b>Sgr</b>		<b>Planetary Neb 2a</b>	
Aug 15 2009	31"	17mmT4			MB,VS,R,UB,NO C*,BRT BLUEISH BALL,OIII,STANDS OUT OF FOV,BKGROUND *S FADE,R=F	

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<b>65</b>	<b>IC</b>	<b>4776</b>	<b>Sgr</b>	<b>Planetary Neb 2a</b>	
	Sep 12 2007	31"	12mmT4	W/OIII,EB,ML,VERY BRT BLUEISH BALL,SOME FAINT NEB AROUND NEC DET.R=G	
	Sep 12 2007	31"	17mmT4	W/OIII,VB,PS,UB,BRT BLUEISH BALL,R=G	
<b>66</b>	<b>NGC</b>	<b>6720</b>	<b>Lyr M57</b>	<b>Planetary Neb 4+3</b>	<b>RINGNEB,B,PL,CE,LYRA</b>
	Aug 23 2009	31"	12mmT4	VB,VL,OVAL,HISB,BRT THICK SIDES,FT NEB INSIDE.C*15TH MAG,EXT NEB ONE SIDE,OIII HELPS LITTLE,KNOCKS OUT C*,R=E	
	Mar 22 2004	12.5"	12mmT4	MESSIER MARATHON 2004	
	Sep 23 2003	31"	17mmT4	EB,EL,FIRST LIGHT WITH 17MM,CENTRAL * DET,BEST OBSERVATION TODATE.OBLONG RING	
	Sep 01 2002	31"	9mmT6	CENTRAL * SEEN. FAINT DETAIL IN NEB,BEST VIEW TO DATE	
	Sep 20 1981	12.5"	24mm		
	Jun 04 1981	12.5"	9mm	WITH BARROW,CENTRAL * COMES AND GOES WITH AVERTED VISION,2B*S INSIDE RING	
	Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981	
	Sep 10 1980	12.5"	24mm		
	Sep 07 1980	12.5"	24mm		
	Sep 03 1980	12.5"	24mm		
	Aug 19 1980	12.5"	24mm		
	Jul 15 1980	12.5"	24mm		
	Jul 12 1980	12.5"	24mm		
	Jul 11 1980	12.5"	24mm		
	Jul 05 1980	12.5"	24mm		
	Jun 20 1980	12.5"	24mm		
	Jun 18 1980	12.5"	24mm		
	Jun 17 1980	12.5"	24mm		
	Jun 10 1980	6"	24mm		
	May 07 1980	5"	9mm		
	Apr 18 1980	6"	24mm		
	Apr 16 1980	6"	24mm		
<b>67</b>	<b>IC</b>	<b>1295</b>	<b>Sct</b>	<b>Planetary Neb 3b+2</b>	
	Aug 23 2009	31"	12mmT4	MF,PL,OVAL,PATCHY,NO C*,SEVERAL F*S IN NEB,SOME CLOSE TO CENTER,OIII HELPS,DARK INNER HOLE,BREAK IN EDGES,PAIR=SAND2-374,R=F	
	Sep 05 2007	31"	17mmT4	W/OIII,MB,ML,OVAL,PATHC,SHISB,PARCHY AREAS,FEW F*S IN NEB,R=E	
<b>68</b>	<b>NGC</b>	<b>6742</b>	<b>Dra H742-3</b>	<b>Planetary Neb 2c</b>	<b>VF,STELLAR</b>
	Aug 23 2009	31"	12mmT4	MF,MS,R,UB,GREENISH-GREY,NO C*,VF* IN EDGE OF NEB,OIII HELP A LITTLE,UB,R=G	
	Mar 26 2006	31"	17mmT4	MB,ML,OVAL,MHISB,2F*S IN NEB,PALE GREENISH,DARK AREA SUSP/WOIII,NEB BRTER,R=E	
<b>69</b>	<b>SH2</b>	<b>71</b>	<b>Aql</b>	<b>Planetary Neb 3b+3</b>	
	Sep 02 2008	31"	17mmT4	MF,ML,FLD * CLOSE TO C* 13TH MAG,WHISPS OF NEB,IRR,OIII HELPS LITTLE,C* DET,R=F	
<b>70</b>	<b>NGC</b>	<b>6741</b>	<b>Aql</b>	<b>Planetary Neb 4</b>	<b>PLN,STELLAR</b>
	Sep 02 2008	31"	17mmT4	VF,PS,R,OIII HELPS,NEB BRTER,BETTER,BRT BLUE,SLIGHT HINT OF ELONG,RINGS,R=G	
	Aug 31 1984	12.5"	12mm	MB,ES,1/3 WAY BETWEEN 2F*S,VF GLOW DET WITH AVERTED VISION	
	Jul 10 1981	12.5"	12mm	JUST S OF 11MAG *,BLUE GREEN COLOR,VB,ES	
<b>71</b>	<b>NGC</b>	<b>6751</b>	<b>Aql</b>	<b>Planetary Neb 3</b>	<b>PB,S</b>
	Sep 02 2008	31"	17mmT4	MB,PL,R,BRT GR,C* 15TH MAG,OIII DOESNOT HELP MUCH,PATCHY AREAS IN NEB,R=E	
	Jul 10 1981	12.5"	12mm	R,BLUE GREEN,MF,VS	
<b>72</b>	<b>NGC</b>	<b>6765</b>	<b>Lyr</b>	<b>Planetary Neb 5</b>	<b>F,S,E</b>
	Sep 02 2008	31"	17mmT4	MF,MS,ELONG,OIII HELPS,HISB IN CENT REG,BROKEN HALVES 1 SM & FAINTER,C* BM,R=G	

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<b>72</b>	<b>NGC</b>	<b>6765</b>	<b>Lyr</b>	<b>Planetary Neb 5</b>	<b>F,S,E</b>
Sep 19 2004	31"	17mmT4	PB,ML,ELONG,HSIB,W/OIII,COMET LIKE,PATCHY,2 HALVES ONE BRT THAN OTHER,R=E		
<b>73</b>	<b>IC</b>	<b>4846</b>	<b>Aql</b>	<b>Planetary Neb 2</b>	
Sep 02 2008	31"	17mmT4	MF,VS,R,NO C*,OIII MAKES NEB STAND OUT,BRT BLUE,VERY SMALL,R=G		
May 16 2004	31"	17mmT4	PB,VS,R,WITH OIII,BRT BLUE, ROUND DISK,HISB,R=G		
<b>74</b>	<b>IC</b>	<b>1297</b>	<b>CrA</b>	<b>Planetary Neb</b>	
Sep 02 2008	31"	17mmT4	MF,PS,OVAL,R,OIII HELPS LITTLE,GREENISH,NO C*,10 DEG ABOVE HORZ AT MERIDIAN,R=F		
<b>75</b>	<b>NGC</b>	<b>6778</b>	<b>Aql</b>	<b>Planetary Neb 3+3</b>	<b>S,E,ILL-DEFINED DISC</b>
Sep 02 2008	31"	17mmT4	PB,MS,OVAL,R,GREENISH,OIII HELPS LITTLE,NO C*,BRTER AREAS DET,MORE OVAL,R=G		
May 16 2004	31"	17mmT4	MB,MS,R,WITH OIII,PATCHY AREA DET,MOD HISB,SOFT BLUE,R=E		
Jul 10 1981	12.5"	12mm	BLUE,MF,MS		
<b>76</b>	<b>NGC</b>	<b>6781</b>	<b>Aql</b>	<b>H743-3 Planetary Neb 3+3</b>	<b>PLN,F,L,R,VSBM DISC</b>
Sep 02 2008	31"	17mmT4	MB,VL,OVAL,NO C*,ONE SIDE BROKEN,OIII HELPS SOMEWHAT,LG CENT DK AREA BK SIDE,R=E		
Aug 31 1984	12.5"	12mm	MF,PL,R,PATCHY,RESEMBLES HELIX NEB		
Jul 10 1981	12.5"	12mm	VL,DIF,R,DARK PATCHES SEEN IN CENTRAL AREA,GRAYISH COLOR DIF NEB		
<b>77</b>	<b>NGC</b>	<b>6790</b>	<b>Aql</b>	<b>Planetary Neb 2</b>	<b>PLN,B,ES,STELL=9.5M</b>
Sep 02 2008	31"	17mmT4	PB,VS,R,GREENISH BRT BALL,OIII HELPS,NO C*,BRT BLUEISH,VF HALO AROUND BALL,R=G		
Jul 10 1981	12.5"	12mm	ES,JUST E OF 12MAG *,DIF OUTER HALO JUST VISIBLE		
<b>78</b>	<b>MINK</b>	<b>1-70</b>	<b>Aql</b>	<b>Planetary Neb 1</b>	
Sep 02 2008	31"	17mmT4	MF,ES,R,OIII HELPS LITTLE,BLUEISH SM BALL,NO C*,HARD TO DET FROM FOV *S,R=F		
<b>79</b>	<b>NGC</b>	<b>6803</b>	<b>Aql</b>	<b>Planetary Neb 2a</b>	<b>PLN,STELLAR</b>
Sep 02 2008	31"	17mmT4	MB,ES,R,GREENISH SM BALL,OIII HELPS LITTLE,BLUEISH,VERY SMALL BRT BALL,R=F		
Jul 10 1981	12.5"	12mm	GREENISH,CENTRAL * DET,F* ON W EDGE OF NEB		
<b>80</b>	<b>NGC</b>	<b>6804</b>	<b>Aql</b>	<b>H38-6 Planetary Neb 4+2</b>	<b>CB,S,IR,RRR</b>
Sep 02 2008	31"	17mmT4	MB,BL,OVAL,GREENISH,SEVERALF*S IN NEB,C* 15TH MAG,OIII DOESNOT HELP MUCH,R=G		
Aug 31 1984	12.5"	12mm	PF,MS,BNUC,R-OVAL,SBM,F* TOWARDS OUTER EDGE,PATCHY		
Jul 10 1981	12.5"	12mm	GREEN,DIF,PF,MS,CENTRAL * APPROX 14MAG		
<b>81</b>	<b>NGC</b>	<b>6807</b>	<b>Aql</b>	<b>Planetary Neb 2</b>	<b>PLN,STELLAR</b>
Sep 02 2008	31"	17mmT4	MB,ES,R,OIII HELPS DET FROM FOV *S,BLUEISH,NO C*,VERY SMALL AND ROUND,R=F		
Jun 25 2003	12.5"	5mmT6	BLUEISH,VERY FAINT HALO AROUND *,STELLAR		
Jun 25 2003	12.5"	9mmT6	MB,ES,R=F		
<b>82</b>	<b>HENIZ</b>	<b>2-438</b>	<b>Cyg</b>	<b>Planetary Neb 4</b>	
Sep 02 2008	31"	12mmT4	VB,VS,R,INNER CORE RING REDDISH,C* 12TH MAG,FT NEB AROUND C*,OIII NO HELP,R=F		
Sep 02 2008	31"	17mmT4	VB,VS,R,INNER CORE RING REDDISH,C* 12TH MAG,FT NEB AROUND C*,OIII NO HELP,R=F		
<b>83</b>	<b>NGC</b>	<b>6818</b>	<b>Sgr</b>	<b>H51-4 Planetary Neb 4</b>	<b>PLN,B,VS,R</b>
Sep 02 2008	31"	17mmT4	VB,ML,R,OIII HELPS MUCH,BRT BLUEISH GREEN,CENTRAL REGION DARK,NO C* DET,R=E		
Jul 30 2002	12.5"	16mm	MB,ML,BRT BLUE GREEN,VERY ROUND		
Sep 20 1984	12.5"	12mm	PB,PS,F* JUST TO W,UB,R		
Sep 20 1981	12.5"	24mm			
Jul 15 1980	12.5"	24mm			
Jun 18 1980	12.5"	24mm			

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<b>83</b>	<b>NGC</b>	<b>6818</b>	<b>Sgr</b>	<b>H51-4</b>	<b>Planetary Neb 4</b>	<b>PLN,B,VS,R</b>
Jun 17 1980	12.5"	9mm		GREAT,LOOKS LIKE 6210		
<b>84</b>	<b>NGC</b>	<b>6826</b>	<b>Cyg</b>	<b>H73-4</b>	<b>Planetary Neb 3a+2</b>	<b>PLN,B,PL,R,*11M</b>
Sep 02 2008	31"	17mmT4		VB,VL,R,GREENISH TECTURE BRT BALL,C* VERY BRT 10TH MAG,OIII NOT MUCH HELP,R=E		
Jul 24 1981	12.5"	16mm		GREENISH,BLINKING PLANTARY,CENT * EASILY BLINKS WHEN LOOKING AT CENTER		
Jul 24 1981	12.5"	7mm		CENTRAL * NO LONGER BLINKS		
Jun 20 1980	12.5"	9mm		BRT CENTRAL * EASILY SEEN		
Jun 17 1980	12.5"	16mm		GREAT,GREENISH BLUE COLOR,USE BARLOW AND 16MM		
<b>85</b>	<b>NGC</b>	<b>6833</b>	<b>Cyg</b>		<b>Planetary Neb 2</b>	<b>PLN,STELLAR</b>
Sep 02 2008	31"	17mmT4		MB,ES,R,GREENISH-BLUEISH,OIII NOT MUCH HELP,NO C*,BM,BARELY DET IN FOV,R=P		
Sep 11 2004	31"	17mmT4		VB,PS,R,HISB,W/OIII,BRT BLUE BALL,FAINT OUTER HALO DET,R=G		
<b>86</b>	<b>NGC</b>	<b>6853</b>	<b>Vul M27</b>		<b>Planetary Neb 3+2</b>	<b>VB,VL,BIN,IE,DUMBBEL</b>
Jul 05 2008	31"	17mmT4		VB,EL,W/OIII,MORE DETAIL,ONE SIDE MORE NEB THAN OTHER,BULGE,FINE DETAILS,C*,R=E		
Mar 22 2004	12.5"	12mmT4		MESSIER MARATHON 2004		
Aug 20 2003	31"	25mm		EB,EL,EXTREMELY HISB,ABOUT DOZEN *S INSIDE NEB,DETAILED AND PATCHY,R=E		
Jun 27 2003	12.5"	9mmT6		EB,EL,OIII FILTER ABSOLUTLY UNBELIEVABLE.DETAIL IN NEBULOSITY.BEST TO DATE,R=E		
Sep 19 1984	12.5"	12mm		VB,VL,HOUR GLASS SHAPE VERY EASILY DET,FAINT OUTER LOB DET BOTH SIDES		
Sep 20 1981	12.5"	24mm				
Jul 30 1981	12.5"	12mm		BLUE GREEN,*S SEEN IN NEB,VB,EL,CENTRAL * DET		
Mar 27 1981	12.5"	24mm		MESSIER MARATHON 1981		
Sep 10 1980	12.5"	24mm				
Sep 07 1980	12.5"	24mm				
Jul 15 1980	12.5"	24mm				
Jul 11 1980	12.5"	24mm				
Jul 05 1980	12.5"	24mm				
Jun 20 1980	12.5"	24mm				
Jun 17 1980	12.5"	24mm				
Jun 10 1980	6"	24mm				
<b>87</b>	<b>NGC</b>	<b>6884</b>	<b>Cyg</b>		<b>Planetary Neb 2b</b>	<b>PLN,STELLAR</b>
Sep 02 2008	31"	17mmT4		MB,PS,R,UB,OIII HELPS,BLUEISH BALL,NO C*,EASILY DET IN FOV,R=F		
Jul 24 1981	12.5"	12mm		NOT SURE OF FIND,IN VOID BARREN * FIELD,DIF NEB SUSP		
<b>88</b>	<b>NGC</b>	<b>6879</b>	<b>Sge</b>		<b>Planetary Neb 2a</b>	<b>PLN,STELLAR=10M</b>
Aug 15 2009	31"	17mmT4		MB,VS,R,UB,NO C*,BRT BLUEISH,RICH FOV,OIII,DOESNOT HELP MUCH,VF NEB AR NUC,R=F		
Aug 20 2003	31"	25mm		EF,VS,R,UB,AV,SUSP,LOC GOOD,R=P		
Aug 20 2003	31"	9mmT6		VDIF,VF,MS,PATCH,UB,ABLE TO DETECT WITH 9MM,R=F		
<b>89</b>	<b>NGC</b>	<b>6881</b>	<b>Cyg</b>		<b>Planetary Neb 2a+3</b>	<b>PLN,STELLAR</b>
Aug 15 2009	31"	17mmT4		MF,VS,R,GREENISH,SMALL NUC WITH THIN FAINT OUTER NEB,OIII,DOESNOT HELP MUCH,R=F		
Sep 18 2004	31"	17mmT4		W/OIII,VF,VS,R,FIND FIRST WITH 25MM & * HOPPING,BLUEISH,VF HALO DET,R=F		
<b>90</b>	<b>NGC</b>	<b>6886</b>	<b>Sge</b>		<b>Planetary Neb 2+3</b>	<b>PLN,STELLAR=10M</b>
Aug 15 2009	31"	17mmT4		PB,PS,R,UB,BRT BLUEISH,RICH FOV,OIII DOESNOT HELP MUCH,R=G		
Aug 20 2003	31"	25mm		MB,PS,R,BRT BLUE ROUND BALL,R=E		
Aug 20 2003	31"	9mmT6		VP,PL,BRT BLUE,RING OF NEB,BOTH SIDES TAPPERED,SLIGHTLY BM,CENTRAL * SUSP,R=E		
<b>91</b>	<b>NGC</b>	<b>6891</b>	<b>Del</b>		<b>Planetary Neb 2a+2b</b>	<b>PLN,STELLAR=9.5M</b>

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<b>91</b>	<b>NGC 6891</b>	<b>Del</b>		<b>Planetary Neb 2a+2b</b>	<b>PLN,STELLAR=9.5M</b>
	Aug 15 2009	31"	17mmT4	VB,ML,R,BNUC,C* 13TH,GMBM,BLUEISH,NEB AR C*,OIII,NEB BRTER,NO C*,BLUEISH,R=E	
	Jul 08 1983	12.5"	12mm	MB,VS,BNUC,BLUEISH,VERY R,BM,APPEARS AS A *,NEB COMES OUT WITH AVERTED VISION	
	Jul 30 1981	12.5"	12mm	R,GMBM,SMALL,GREENISH BLUE	
<b>92</b>	<b>NGC 6894</b>	<b>Cyg</b>	<b>H13-4</b>	<b>Planetary Neb 4+2</b>	<b>RINGNEB,F,S,VVLE</b>
	Aug 15 2009	31"	17mmT4	MB,ML,OVVAL,NO C*,VF* IN EDGE OF RING,MINI M57,OIII,MORE NEB,EDGES FRAILED,R=E	
	Sep 04 2002	12.5"	9mmT6	MF,PS,UB,OVVAL,CENTRAL REGION DARK PATCH,ONE SIDE SLIGHTLY BRIGHTER	
<b>93</b>	<b>IC 4997</b>	<b>Sge</b>		<b>Planetary Neb 1</b>	
	Jul 05 2008	31"	12mmT4	PB,PS,R,CENTRAL REGION BRT,W/OIII,HELPS MUCH,BM,FHALO DET AROUND MIDDLE,R=G	
	Sep 10 2004	31"	17mmT4	VB,MS,BNUC,HISB,W/OIII,BRIGHT BLUE,BRT CENTRAL DISC WITH FAINT HALO,ALMOST *,R=G	
<b>94</b>	<b>NGC 6905</b>	<b>Del</b>	<b>H16-4</b>	<b>Planetary Neb 3+3</b>	<b>PLN,B,PS,R,4S*NR</b>
	Aug 15 2009	31"	17mmT4	PB,ML,OVVAL,C* 14TH,PATCHY AREAS,GREENISH,ONE SIDE BRTER THAN OTHER,OIII,HELPS, MORE PATCHY AREAS,ENDS BROKEN,R=E	
	Jul 08 1983	12.5"	12mm	MF,PS,R,TRI OF *S AROUND OBJECT,OUTER EDGES FAINTER THAN MIDDLE	
	Jul 30 1981	12.5"	12mm	BLUEISH GREEN COLOR,R,EDGES WELL DEF,CENTRAL * VERY FAINT,UB	
<b>95</b>	<b>NGC 7008</b>	<b>Cyg</b>	<b>H192-1</b>	<b>Planetary Neb 3</b>	<b>CB,L,E45,R,**ATT</b>
	Aug 15 2009	31"	17mmT4	MB,PL,PATCH,C* 13TH,2 HALVES,BROKEN,ANOTHER 13TH * IN NEB,BLOBS BOTH ENDS,OIII,HELPS,MORE NEB,BRT BLOBS BOTH ENDS,C* STILL VISIBLE,R=E	
	Aug 11 1982	12.5"	16mm	MF,PL,BG COLOR,NW PART BRT,PATCHY-R,CENTRAL 14* DET,LOC E OF A FEW *S	
<b>96</b>	<b>NGC 7009</b>	<b>Aqr</b>	<b>H1-4</b>	<b>Planetary Neb 4+6</b>	<b>PLN,VB,S,ELLIPTIC</b>
	Aug 15 2009	31"	17mmT4	VB,VL,HISB,BRT BLUEISH,RING DET,FT NEB AR CENTRALBALL,NO C*,OIII,DOESNOT HELP THAT MUCH BUT RING IS EASIER TO DETECT,R=E	
	Sep 27 2005	31"	17mmT4	VF,VL,ELONG,R,HISB,THICK INNER RING,BRT BLUE,CENTRAL *,RINGS DET,R=E	
	Sep 27 2005	31"	17mmT4	WITH O/III, EB,VL,ELONG,R,MORE NEB DET BOTH SIDES OF RING,BETTER W/O,R=E	
	Sep 01 2002	31"	9mmT6	BRT BLUE,RING SEEN,DETAIL IN NEB DETECTED,BEST VIEW TO DATE	
	Aug 31 1984	12.5"	12mm	VB,MS,R BRT BLUEISH NEB,SLIGHTLY ELONG,UB	
	Jul 10 1981	12.5"	16mm	SATURN NEB,RING EASILY SEEN,BRT BLUE,MB,MS	
	Oct 31 1980	12.5"	24mm		
	Sep 10 1980	12.5"	24mm		
	Jul 17 1980	12.5"	24mm		
	Jun 18 1980	12.5"	9mm	DISK SHOWN WELL	
<b>97</b>	<b>NGC 7026</b>	<b>Cyg</b>		<b>Planetary Neb 3a</b>	<b>PB,BIN,PLN</b>
	Aug 23 2009	31"	12mmT4	MF,MS,HISB,SQ SHAPE,2 BARS BOTH SIDES OF CENT REG,NO C *,NEB EXTENDS BEYOND BARS BOTH SIDES,F* OFF ONE SIDE,OIII HELPS LITTLE,R=E	
	Jul 24 1981	12.5"	12mm	DIF THROUGHOUT,9-10* W APPROX 20 SEC,UB,ELONG IN SHAPE	
<b>98</b>	<b>NGC 7027</b>	<b>Cyg</b>		<b>Planetary Neb 3a</b>	<b>PLN,STELLAR=8.5M</b>
	Aug 23 2009	31"	12mmT4	VB,ML,HISB,BRT GREENISH BLUE,13TH MAG * IN NEB OFF CENTER,BRT NEB AROUND *,NO C*,IRR IN SHAPE,BROKEN PARTS,F NEB DET AROUND BROKEN PARTS,OIII,HELP LITTLE,BLENDS BROKEN PARTS INTO ONE,R=E	
	Jun 06 1981	12.5"	16mm	BLUE GREENISH,MB,PL	
<b>99</b>	<b>SH1 89</b>	<b>Cyg</b>		<b>Planetary Neb 3a</b>	
	Sep 02 2008	31"	17mmT4	EDIF,EF,MS,OVVAL,UB,STAR HOP,BARELY VIS W/AV,OIII HELPS GREATLY,NEB DET,NO C*,R=P	
<b>100</b>	<b>NGC 7048</b>	<b>Cyg</b>		<b>Planetary Neb 3b</b>	<b>PF,PL,DIF,IR,VLBM</b>
	Aug 23 2009	31"	12mmT4	MF,ML,OVVAL,UB,3F*S IN NEB ONE SIDE,NO C*,OIII,NOT UB,PATCHY,DARK AREAS,R=G	
	Jun 06 1981	12.5"	16mm	GREENISH,DIF,MF,PL	

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<b>101 PEASE 1</b>	<b>Peg</b>	<b>Planetary Neb 1</b>	
Jul 05 2008 31"	17mmT4	MF,ES,R,W/OIII,HELPS NEB LITTLE BY KNOCKING OUT *'S,ALMOST DEAD CENTER,NO C*,R=P	
Sep 23 2003 31"	9mmT6	VF,ES,NEBULA FILTER,R,STANDS OUT,VERY CLOSE TO CENTER OF CLUSTER,R=F	
Sep 20 2003 31"	25mm	EDIF,EF,VS,PLANTARY IN M15,BLUIISH GREY BALL OFF CENTER OF CLUSTER,R=G	
<b>102 IC 5117</b>	<b>Cyg</b>	<b>Planetary Neb 2</b>	
Sep 02 2008 31"	17mmT4	MB,VS,R,UB,BLUEISH BALL,CLOSE TO *,OIII HELPS LTTL,F NEB DET ARND BALL,NO C*,R=F	
Sep 18 2004 31"	17mmT4	MB,VS,R,HISB,W/OIII,* CLOSE BY,BRT BLUE,VERY SMALL DISC,FNEB DET WITH AV,R=F	
<b>103 HU 1-2</b>	<b>Cyg</b>	<b>Planetary Neb 2</b>	
Sep 02 2008 31"	17mmT4	MB,MS,HOUR GLS SHAPE,FT NEB ARND,BLUEISH,NO C*,OIII HELPS LTTL,MORE NEB DET,R=F	
<b>104 NGC 7094</b>	<b>Peg</b>	<b>Planetary Neb 4</b>	<b>*IN EEF NEBY,VDIFFIC</b>
Sep 02 2008 31"	17mmT4	VF,ML,R,NEB BARELY DET,C* 12MAG,OIII HELPS MUCH,C* W/RND NEB,DK CENT AREA,R=F	
Sep 20 2003 31"	25mm	PF,VL,R,BRT CENTRAL *.AREAS OF PATCHES IN NEB.R=G	
<b>105 IC 5217</b>	<b>Lac</b>	<b>Planetary Neb 2</b>	
Sep 02 2008 31"	17mmT4	MB,VS,R,UB,BRT BLUE BALL,NO C*,OIII HELPS LTL,FT HALO NEB DET ARND BALL,R=F	
Sep 18 2004 31"	17mmT4	MB,PS,R,HISB,W/OIII,BRT BLUEISH BALL W/F HALO DET,CENTRAL * SUSP,BM,R=G	
<b>106 NGC 7293</b>	<b>Aqr</b>	<b>Planetary Neb 4+3</b>	<b>PF,VL,E OR BIN</b>
Sep 02 2008 31"	31mmT5	DIF,PF,EEL,FILLS 17MM,OIII HELPS GREATLY,SEVERAL F*'S CENT REGION,C* 13MAG,LARGE DARK AREA AROUND CENTER,FINE DETAIL OUTER EDGES,BEST TODATE,R=E	
Jul 10 1981 12.5"	24mm	EL,MF,DIF GAS CLOUD WITH *'S WITHIN ITS BOUNDARIES,HELIX NEB	
Oct 31 1980 12.5"	24mm		
Sep 18 1980 12.5"	24mm		
Sep 10 1980 12.5"	24mm	HELIX NEB,WITH NEBULA FILTER EXCELLENT!!!	
<b>107 NGC 7354</b>	<b>Cep</b>	<b>H705-2 Planetary Neb 4+3b</b>	<b>PLN,B,S,R,PGVLBM</b>
Sep 02 2008 31"	17mmT4	PB,ML,R,UB,GREENISH,NO C*,SOFT,OIII DOESNOT HELP MUCH,R=E	
Jul 09 1983 12.5"	12mm	VF,PS,2F*'S ON EDGE,VERY R,SOFT UB GLOW	
<b>108 NGC 7662</b>	<b>And</b>	<b>H18-4 Planetary Neb 4+3</b>	<b>PLN ORRING,VB,PS,R</b>
Sep 02 2008 31"	17mmT4	VB,ML,OVAL,R,BRT GREENISH,BRT INNER RING NOT SYM,BRT GREENISH EDGES IN SPOTS,C* 14TH MAG,R=E	
Aug 31 1984 12.5"	12mm	MB,VS,VERY R,UNIFORM BLUEISH COLOR,* CLOSE BY	
Sep 23 1981 12.5"	16mm	BRT BLUEISH GREEN,UB,R WITH FUZZY EDGES,NO CENTRAL *,MB,PS,15* SW	
Jul 15 1980 12.5"	24mm		
<b>109 JONES 1</b>	<b>Peg</b>	<b>Planetary Neb 3b</b>	
Sep 02 2008 31"	17mmT4	DIF,VF,VL,PATCH,OIII HELPS MUCH,2 CRESENT HALVES,SEVERAL VF*'S IN CENTRAL REG,C* 16TH MAG,BROKEN IN HALF,R=F	
<b>110 ABELL 82</b>	<b>Cas</b>	<b>Planetary Neb</b>	
Sep 02 2008 31"	17mmT4	DIF,EF,ML,OVAL,C* 15MAG,OTHER F*'S IN NEB CLOSE TO CENTER,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,LG BALL/PATCH,R=F	

Total: 109