

# Planetary Nebula Observations

<b>ABELL 31</b>	<b>Cnc</b>	<b>PI Neb 3a</b>	<b>PK 219+31.1</b>
Mar 15 2005	8" 11mmT6	VF,PATCHY,LARGE,R=F	
<b>ABELL 36</b>	<b>Vir</b>	<b>PI Neb</b>	<b>PK 318+41.1</b>
Jul 13 2013	18" 11mmT6	VF,VS,R=F. NO CENTRAL STAR NOTED. USED OIII FILTER.	
<b>ABELL 56</b>	<b>Aql</b>	<b>PI Neb 4</b>	<b>PK 37-3.2 PNG 37.9-3.4</b>
Jul 03 2005	8" 19mmW	DIFF,MF,VL,PATCHY,R=G	
<b>ABELL 67</b>	<b>Aql</b>	<b>PI Neb 2b</b>	<b>PK 43-13.1 PNG 43.5-13.4</b>
Aug 13 2010	31" 17mmT4	VF,VS,AV,R=P. NO CENTRAL STAR NOTED.	
<b>HENIZ 2-260</b>	<b>FIX</b>	<b>PI Neb</b>	<b>ESO 588-14 PK 8+6.1 PNG 8.2+6.8</b>
Jul 24 2006	8" 7.5mmW	VF,VS,R,AV,R=F	
<b>HENIZ 2-438</b>	<b>Cyg</b>	<b>PI Neb 4</b>	<b>Henize 2-438 PK 64.7+5.0 PNG 64.7+5.0 Campbell's Hydrogen Star</b>
Aug 18 2010	12" 26mm	PF,VS,R=F,STELLAR IN APPEARANCE,OIII FILTER	
<b>HENIZ 2-441</b>	<b>FIX</b>	<b>PI Neb 4</b>	<b>Merrill 1-1 PK 52-2.2 PNG 52.5-2.9</b>
Aug 12 2005	8" 7.5mmW	VF,VS,AV,R=F	
<b>IC 289</b>	<b>Cas</b>	<b>PI Neb 4+2</b>	<b>Hubble 1 PK 138+2.1 PNG 138.8+2.8</b>
Aug 31 2010	12" 7mm TV	PF,PS,R=F. NO CENTRAL STAR NOTED.	
<b>IC 351</b>	<b>Per</b>	<b>PI Neb 2a</b>	<b>PK 159-15.1 PNG 159.0-15.1</b>
Dec 18 2006	31" 20mmUW	PB,VS,R,R=G	
<b>IC 418</b>	<b>Lep</b>	<b>PI Neb 4</b>	<b>PK 215-24.1 PNG 215.2-24.2</b>
Dec 28 2008	31" 17mmT4	VB,VS,R,R=G, CENTRAL STAR	
<b>IC 1297</b>	<b>CrA</b>	<b>PI Neb</b>	<b>ESO 337-20 Henize 2-431 Sanduleak 2-386</b>
Aug 29 2010	12" 7mm TV	PF,VS,R=F. NO CENTRAL STAR NOTED	
<b>IC 1747</b>	<b>Cas</b>	<b>PI Neb 3b</b>	<b>PK 130+1.1 PNG 130.2+1.3</b>
Oct 31 2010	12" 7mm TV	VF,VS,R=P. STELLAR	
Sep 12 2010	12" 5.5mmN	PF,VVS,R=P,STELLAR	
<b>IC 2003</b>	<b>Per</b>	<b>PI Neb 2</b>	<b>PK 161-14.1 PNG 161.2-14.8</b>
Dec 18 2006	31" 20mmUW	B,VS,R,R=G	
<b>IC 2120</b>	<b>Aur</b>	<b>PI Neb Planet:5 18.2 +37 36</b>	<b>Minkowski 2-3 PK 169-0.1</b>
Nov 21 2006	8" 11mmT6	VF,VS,AV,R=F	
<b>IC 2149</b>	<b>Aur</b>	<b>PI Neb 3b+2</b>	<b>PK 166+10.1 PNG 166.1+10.4</b>
Nov 11 2009	12" 7.5mmW	PB,PS,R=G, NO CENTRAL STAR NOTED	
<b>IC 2165</b>	<b>CMa</b>	<b>PI Neb 3b</b>	<b>PK 221-12.1 PNG 221.3-12.3</b>
Dec 19 2006	31" 17mmT4	VB,PS,R=G, NO CENTRAL STAR	
<b>IC 3568</b>	<b>Cam</b>	<b>PI Neb 2+2a</b>	<b>PK 123+34.1 PNG 123.6+34.5</b>

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<b>IC 3568</b>	<b>Cam</b>	<b>PI Neb 2+2a</b>	<b>PK 123+34.1 PNG 123.6+34.5</b>
Jun 07 2010	12" 7.5mmW	PB,VS,R=F. ALMOST STELLER	
<b>IC 4593</b>	<b>Her</b>	<b>PI Neb 2+2</b>	<b>PK 25+40.1 PNG 25.3+40.8</b>
Jun 03 2005	31" 19mmW	VB,VS,R,HISB,R=G	
<b>IC 4634</b>	<b>Oph</b>	<b>PI Neb 2a+3</b>	<b>ESO 587-1 Henize 2-189 Sanduleak 2-164</b>
Jul 31 2005	8" 7.5mmW	VVF,VS,AV,R=F	
<b>IC 4673</b>	<b>Sgr</b>	<b>PI Neb 4</b>	<b>ESO 521-15 Minkowski 1-36 Henize 2-333</b>
Sep 05 2007	8" 11mmT6	VF,VS,NO CENTRAL STAR,R=F	
<b>IC 4732</b>	<b>Sgr</b>	<b>PI Neb 1</b>	<b>ESO 523-1 Henize 2-410 Sanduleak 2-345</b>
Sep 05 2007	8" 11mmT6	VF,ES,AV,NO CENTRAL STAR,R=F	
<b>IC 4776</b>	<b>Sgr</b>	<b>PI Neb 2a</b>	<b>ESO 396-2 Henize 2-421 Sanduleak 2-363</b>
Aug 24 2012	18" 8.8 ES	PF,PS, R=F, OIII FILTER,	
<b>IC 4846</b>	<b>Aql</b>	<b>PI Neb 2</b>	<b>Sanduleak 2-385 PK 27-9.1 PNG 27.6-9.6</b>
Jul 19 2017	12" 11mmT6	VF,VS, R=F. LP2 FILTER	
Jul 03 2005	8" 11mmT6	VB,VS,R,R=F	
<b>IC 4997</b>	<b>Sge</b>	<b>PI Neb 1</b>	<b>Henize 2-464 PK 58-10.1 PNG 58.3-10.9</b>
Sep 01 2008	31" 17mmT4	PB,ES,R=F. NO CENTRAL STAR	
<b>IC 5117</b>	<b>Cyg</b>	<b>PI Neb 2</b>	<b>PK 89-5.1 PNG 89.8-5.1</b>
Jul 23 2006	8" 11mmT6	F,VS,R,AV,R=F	
<b>IC 5217</b>	<b>Lac</b>	<b>PI Neb 2</b>	<b>PK 100-5.1 PNG 100.6-5.4</b>
Nov 16 2012	18" 11mmT6	VS,VF,R=F	
<b>J 320</b>	<b>Ori</b>	<b>PI Neb 2+4</b>	<b>PK 190-17.1 Jonckheere 320</b>
Dec 28 2008	31" 17mmT4	F,VS,OVAL,R=F, NO CENTRAL STAR	
Dec 15 2004	8" 7.5mmW	VF,R=F	
<b>MERR 2-2</b>	<b>FIX</b>	<b>PI Neb 1</b>	<b>PK 100-8.1 PNG 100.0-8.7 Merrill 2-2</b>
Jul 24 2006	8" 7.5mmW	VF,VS,R,AV,R=F	
<b>MINK 1-70</b>	<b>Aql</b>	<b>PI Neb 1</b>	<b>PK 45-2.1 PNG 45.4-2.7 Minkowski 1-70 Vyssotsky 2-2</b>
Aug 12 2005	8" 7.5mmW	VF,VS,AV,R=F	
<b>MINK 1-74</b>	<b>FIX</b>	<b>PI Neb 1</b>	<b>Minkowski 1-74 Henize 2-445 PK 52-4.1 PNG 52.2-4.0</b>
Aug 12 2005	8" 7.5mmW	VF,VS,AV,R=F	

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<b>MINK 3-34</b>	<b>FIX</b>		<b>PI Neb 2</b>		<b>Minkowski 3-34 Sanduleak 2-390 PK 31-10.1 PNG 31.0-10.8</b>
Jul 03 2005	8"	11mmT6	DIFF,VF,VS,AV,R=F		
<b>NGC 40</b>	<b>Cep</b>	<b>H58-4</b>	<b>PI Neb 3b+3</b>	<b>F,VS,R,VSMBM,*12SP</b>	<b>PK 120+9.1 PNG 120.0+9.8</b>
Oct 05 2016	12"	11mmT6	B,VS,R=G.	OIII HELPS. NOT SURE ABOUT CENTRAL STAR	
Nov 11 2009	12"	7.5mmW	B,PS,R=G,	CENTRAL STAR VISIBLE	
Oct 06 2004	8"	7.5mmW	MB,R,R=G		
<b>NGC 246</b>	<b>Psc</b>	<b>H25-5</b>	<b>PI Neb 3b</b>	<b>VF,L,4*IN DIF NEB</b>	<b>PK 118-74.1 PNG 118.8-74.7</b>
Nov 28 2010	12"	7mm TV	PF,PS,R=F,	IRREGULAR SHAPE, NO CENTRAL STAR, OIII HELPS	
Nov 21 2006	8"	11mmT6	F,L,R,R=G		
<b>NGC 650</b>	<b>Per</b>	<b>M76 H193-1</b>	<b>PI Neb 3+6</b>	<b>VB,P OF DNEB</b>	<b>M 76 Little Dumbbell PK 130-10.1 PNG 130.9-10.5</b>
Mar 16 2012	18"	17mmAT	2012 M.M.		
Mar 01 2011	12"	17mmAT	M.M. 2011 -	MANUAL SETTING CIRCLES	
Mar 08 2010	12"	11mmT6	M.M. 2010	MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON -	2009	
Oct 01 2006	1.9"	12x50	PF,PS,R,R=F		
Jul 24 2006	8"	11mmT6	PF,L,R,R=G		
Mar 19 2006	8"	19mmW	PF,L,VLE,R=G		
Dec 01 2004	31"	11mmT6	VB,HISB,R=E,	SOLO EFFORT	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON -	ARGO NAVIS	
Dec 26 2003	8"	25mmPL	Q/M COLD		
<b>NGC 1360</b>	<b>For</b>		<b>PI Neb 3</b>	<b>*8IN B,LNEB,E NS</b>	<b>ESO 482-7 Minkowski 1-3 PK 220-53.1</b>
Dec 28 2008	31"	17mmT4	PF,PS,EL,R,R=G,	CENTRAL STAR, OIII	
<b>NGC 1501</b>	<b>Cam</b>	<b>H53-4</b>	<b>PI Neb 3</b>	<b>PLN,PB,PS,VLE,1'DIAM</b>	<b>PK 144+6.1 PNG 144.5+6.5</b>
Oct 06 2004	8"	11mmT6	MB,OVAL,HISB,R=G		
<b>NGC 1514</b>	<b>Tau</b>	<b>H69-4</b>	<b>PI Neb 3+2</b>	<b>*9IN NEB3'DIAM</b>	<b>PK 165-15.1 PNG 165.5-15.2</b>
Dec 04 2004	8"	11mmT6	VB,HISB,R=G		
<b>NGC 1535</b>	<b>Eri</b>	<b>H26-4</b>	<b>PI Neb 4+2c</b>	<b>PLN,VB,S,R,PS,VSMB,R</b>	<b>PK 206-40.1 PNG 206.4-40.5</b>
Feb 17 2012	18"	11mmT6	OIII FILTER -	VERY NICE PLANETARY	
Nov 11 2009	12"	7.5mmW	B,PS,R=G,	NO CENTRAL STAR NOTED.	
Dec 28 2008	31"	17mmT4	VB,PS,R,R=G,	BRIGHT CENTRAL STAR!!, OIII	
Nov 21 2006	8"	11mmT6	B,PS,R,	NO CENTRAL STAR,R=F	
<b>NGC 2022</b>	<b>Ori</b>	<b>H34-4</b>	<b>PI Neb 4+2</b>	<b>PLN,PB,VS,VLE</b>	<b>PK 196-10.1 PNG 196.6-10.9</b>
Dec 28 2008	31"	17mmT4	F,PS,OVAL,R=G,	NO CENTRAL STAR	
Nov 22 2006	8"	11mmT6	PF,S,R=F		
Mar 09 2004	8"	25mmPL	COMPTER =	ARGO NAVIS	
<b>NGC 2346</b>	<b>Mon</b>	<b>H65-4</b>	<b>PI Neb 3b+4</b>	<b>*10AFF W/ S,VF,NEB</b>	<b>Minkowski 1-10 Sanduleak 2-5 PK 215+3.1</b>
Feb 17 2012	18"	11mmT6	OIII FILTER -	VERY NICE PLANETARY	
Apr 09 2008	8"	11mmT6	PF,PS,NO	CENTRAL STAR,R=F	

**NGC 2372**

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<b>NGC 2371</b>	<b>Gem</b>	<b>H316-2</b>	<b>PI Neb 3a+2</b>	<b>B,S,R,BMN,P OF DNEB</b>	<b>NGC 2372</b>
Feb 23 2006 31"	19mmW	FAIRLY LONG,	ELONG,MSB,R=G		
Dec 04 2004 8"	7.5mmW	MF,OVAL,R=G			
<b>NGC 2392</b>	<b>Gem</b>	<b>H45-4</b>	<b>PI Neb 3b+3b</b>	<b>B,S,R,*9M,*8NF100"</b>	<b>Eskimo Nebula PGC 21128</b>
May 22 2015 12"	8mm Ds	NO FILTER NEEDED	CENTRAL STAR	VISIBLE	
Dec 04 2004 8"	7.5mmW	VB,R,HISB,R=E!!!			
Nov 06 2004 8"	11mmT6	NOT A BAD PLANETARY			
<b>NGC 2438</b>	<b>Pup</b>	<b>H39-4</b>	<b>PI Neb 4+2</b>	<b>PLN,PB,PS,VLE,R</b>	<b>Sanduleak 2-13 PK 231+4.2 PNG 231.8+4.1</b>
Feb 17 2012 18"	11mmT6	OIII FILTER - VERY NICE	PLANETARY		
Mar 13 2007 8"	7.5mmW	VF,VS,R=F, NO CENTRAL	STAR		
<b>NGC 2440</b>	<b>Pup</b>	<b>H64-4</b>	<b>PI Neb 5+3</b>	<b>PLN,CB,NOT VWELL DEF</b>	<b>ESO 560-9 Sanduleak 2-14 PK 234+2.1</b>
Feb 17 2012 18"	7mm TV	OIII FILTER - VERY NICE	PLANETARY		
Mar 13 2007 8"	7.5mmW	F,PS,R=F,IRREGULAR IN	SHAPE		
<b>NGC 2452</b>	<b>Pup</b>		<b>PI Neb 4+3</b>	<b>PLN,F,S,LE,AM60*</b>	<b>ESO 493-11 RCW 17 Henize 2-4</b>
Nov 22 2006 8"	11mmT6	PF,PS,R=F			
<b>NGC 2610</b>	<b>Hya</b>	<b>H35-4</b>	<b>PI Neb 4+2</b>	<b>F,S,ATTTO*13,*7NF</b>	<b>Sanduleak 2-27 PK 239+13.1 PNG 239.6+13.9</b>
Mar 29 2006 8"	11mmT6	PF,PS,R=F			
<b>NGC 3242</b>	<b>Hya</b>	<b>H27-4</b>	<b>PI Neb 4+3b</b>	<b>PLN,VB,LE147,45"D</b>	<b>Ghost of Jupiter ESO 568-5</b>
May 22 2015 12"	8mm Ds	NO FILTER CENTRAL STAR	NOT VISIBLE		
Apr 08 2005 8"	7.5mmW	VB,VL,R,R=G			
<b>NGC 3587</b>	<b>UMa M97</b>		<b>PI Neb 3a</b>	<b>PLN,VB,VL,R,VVG,VSBM</b>	<b>M 97 Owl Nebula PK 148+57.1 PNG 148.4+57.0</b>
Apr 14 2016 12"	8mm Ds	PRETTY FAINT. NO FILTER	USED.		
Aug 15 2015 12"	11mmT6				
May 23 2015 12"	11mmT6				
Jul 13 2013 18"	7mm TV	MORE EYE CANDY			
May 23 2012 18"	17mmAT	EYE CANDY			
Mar 16 2012 18"	17mmAT	2012 M.M.			
Jul 04 2011 12"	11mmT6	LAST OBJECT OF THE NIGHT.	BACK TO WORK.		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING	CIRCLES		
Mar 08 2010 12"	26mm	M.M. 2010 MANUAL SETTING	CIRCLES		
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009			
Mar 08 2007 1.9"	12x50	B,R,R=G. LOOKS STELLAR			
Aug 20 2006 1.9"	12x50	PF,VS,AV,R=F			
Mar 19 2006 8"	19mmW	PB,L,R,R=G			
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON -	ARGO NAVIS		
Dec 26 2003 8"	25mmPL	Q/M COLD			
<b>NGC 4361</b>	<b>Crv</b>	<b>H65-1</b>	<b>PI Neb 3a+2</b>	<b>VB,L,R,VSMBMN,R</b>	<b>ESO 573-19 PK 294+43.1 PNG 294.1+43.6</b>
May 04 2005 8"	11mmT6	VF,VS,R,AV,R=F			

**PK 64+48.1 PNG 64.6+48.2**

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<b>NGC 6058</b>	<b>Her</b>	<b>H637-3</b>	<b>PI Neb 3+2</b>	<b>PF,VS,R,STELLAR</b>	<b>PK 64+48.1 PNG 64.6+48.2</b>
Nov 13 2007	8"	11mmT6	VF,VS,AV,R=F, NO CENTRAL STAR		
<b>NGC 6153</b>	<b>Sco</b>		<b>PI Neb 4</b>	<b>PLN,STELLAR</b>	<b>ESO 331-6 RCW 112 Henize 2-167</b>
Jul 14 2010	12"	7.5mmW	PF,CS,R,R=F, NO CENTRAL STAR OBSERVED.		
<b>NGC 6210</b>	<b>Her</b>		<b>PI Neb 2+3b</b>	<b>PLN,VB,VS,R,DISC</b>	<b>PK 43+37.1 PNG 43.1+37.7</b>
Jun 17 2016	12"	8mm Ds	TURTLE PLANETARY. NO CENTRAL STAR NOTED		
Sep 19 2014	12"	11mmT6	B,VS,R=F,SITS ATOP 3-STAR TRIANGLE -N.N., HOME - 8/14/14		
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR		
<b>NGC 6302</b>	<b>Sco</b>		<b>PI Neb 6</b>	<b>PB,E PF,(SWIFT,TRIP)</b>	<b>Bug Nebula ESO 392-5 Gum 60 RCW 124 Henize 2-204 PK 349+1.1</b>
Jul 09 2005	8"	11mmT6	MB,VS,R,R=G		
<b>NGC 6309</b>	<b>Oph</b>		<b>PI Neb 3b+6</b>	<b>B,S,BET2*VNR</b>	<b>Box Nebula Henize 2-206 PK 9+14.1 Sanduleak 2-281</b>
Jul 03 2005	8"	11mmT6	MF,MS,PATCHY,R=F		
<b>NGC 6337</b>	<b>Sco</b>		<b>PI Neb 4</b>	<b>RINGNEB,EF,S,AM ST</b>	<b>ESO 333-5 Henize 2-215 Sanduleak 2-191</b>
Jul 31 2011	12"	7mm TV	F,VS,,R=F,SMUDGE WITH TWO FOREGROUND STARS		
<b>NGC 6369</b>	<b>Oph</b>	<b>H11-4</b>	<b>PI Neb 4+2</b>	<b>RINGNEB,PB,S,R</b>	<b>ESO 520-3 Henize 2-232 Sanduleak 2-207</b>
Jul 09 2005	8"	11mmT6	MB,MS,R,R=G		
<b>NGC 6445</b>	<b>Sgr</b>	<b>H586-2</b>	<b>PI Neb 3b+3</b>	<b>PB,PS,R,GBM,R,*15NP</b>	<b>Little Gem ESO 589-9 Henize 2-290</b>
Jul 09 2005	8"	11mmT6	MB,ML,MSB,R=G		
<b>NGC 6537</b>	<b>Sgr</b>		<b>PI Neb 2a+6</b>	<b>PLN,B,S,STELLAR</b>	<b>ESO 590-1 Henize 2-340 Sanduleak 2-294</b>
Aug 12 2005	8"	7.5mmW	VF,VS,AV,R=F		
<b>NGC 6543</b>	<b>Dra</b>	<b>H37-4</b>	<b>PI Neb 3a+2</b>	<b>PLN,VB,PS,SBMVSN</b>	<b>the Cat's Eye Nebula</b>
Oct 21 2012	8"	5mm TV	B,PS,OVAL IN SHAPE,R=F		
Sep 05 2010	12"	5.5mmN	PB,PS,R=G, NO CENTRAL STAR NOTED. OIII NOT MUCH HELP - NO ADDITIONAL STRUCTURE		
Jul 09 2005	8"	11mmT6	VB,VS,OVAL,R=G		
Apr 13 2005	8"	11mmT6	VB,VS,R,R=G		
<b>NGC 6563</b>	<b>Sgr</b>		<b>PI Neb 3a</b>	<b>PLN,F,L,CE,HAZY EDGE</b>	<b>ESO 394-33 Henize 2-361 Sanduleak 2-308</b>
Aug 29 2010	12"	7mm TV	PF,PS,R=F. NO CENTRAL STAR NOTED		
<b>NGC 6567</b>	<b>Sgr</b>		<b>PI Neb 2a+3</b>	<b>PLN,STELL,11M,IN ACL</b>	<b>ESO 590-8 Henize 2-369 Sanduleak 2-314</b>
Sep 05 2007	8"	11mmT6	VF,PS,NO CENTRAL STAR,R=F		
<b>NGC 6572</b>	<b>Oph</b>		<b>PI Neb 2a</b>	<b>PLN,VB,VS,R,LHAZY</b>	<b>PK 34+11.1 PNG 34.6+11.8</b>
Jul 23 2006	8"	7.5mmW	CB,CS,R,R=G		
Jul 31 2005	8"	11mmT6	VB,VS,R,R=F		

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<b>NGC 6629</b>	<b>Sgr</b>	<b>H204-2</b>	<b>PI Neb 2a</b>	<b>PLNORGCL,PB,EES,R</b>	<b>ESO 522-26 Henize 2-399 Sanduleak 2-335</b>
Jul 09 2005	8"	11mmT6	VF,VS,AV,R=F		
<b>NGC 6644</b>	<b>Sgr</b>		<b>PI Neb 2</b>	<b>PLN,STELLAR</b>	<b>ESO 522-23 Henize 2-408 Sanduleak 2-343</b>
Sep 05 2007	8"	11mmT6	VF,VS,AV,R=F		
<b>NGC 6720</b>	<b>Lyr M57</b>		<b>PI Neb 4+3</b>	<b>RINGNEB,B,PL,CE,LYRA</b>	<b>M 57 Ring Nebula PK 63+13.1 PNG 63.1+13.9</b>
Jul 02 2017	12"	17mmT4	SURPRISINGLY NOT TOO BAD		
Jul 05 2016	12"	8mm Et	SUPER		
Jun 17 2016	12"	8mm Ds	SURPRISINGLY NICE IN THE MOONLIGHT		
Aug 21 2015	12"	8mm Ds	LP2 FILTER		
Jul 15 2015	12"	8mm Ds			
May 23 2015	12"	11mmT6	EYE CANDY		
May 18 2014	18"	8mm Ds	EYE CANDY.		
Jul 13 2013	18"	7mm TV	EYE CANDY		
Oct 21 2012	8"	25mmPL	ANOTHER SURPRISE AT HOME,ROUND AND DISTINCT		
May 23 2012	18"	17mmAT	EYE CANDY		
Mar 16 2012	18"	17mmAT	2012 M.M.		
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009		
Jun 30 2008	16"	17mmT4	PB,PL,R,NO CENTRAL STAR,R=G		
Oct 08 2006	1.9"	12x50	PB,S,R=G		
Mar 27 2006	8"	19mmW	B,L,R, R=G		
Aug 14 2004	8"	11mmT6	F/L W/NEW FOCUSER, NAGLER, DOBSON		
Dec 26 2003	8"	25mmPL	Q/M COLD		
Oct 10 2003	8"	25mmPL	FIRST LIGHT - FIRST OBJECT		
<b>NGC 6741</b>	<b>Aql</b>		<b>PI Neb 4</b>	<b>PLN,STELLAR</b>	<b>Sanduleak 2-380 Jonckheere 475 PK 33-2.1</b>
Aug 07 2016	12"	8mm Et	PF,VS,R=F. LP3. PHANTOM STREAK.		
Sep 19 2014	12"	11mmT6	PF,PS,R=F, LP-2, NO CENTRAL STAR, HOME - 9/14/14		
Jul 03 2005	8"	11mmT6	VF,ML,PATCH,AV,R=F		
<b>NGC 6742</b>	<b>Dra</b>	<b>H742-3</b>	<b>PI Neb 2c</b>	<b>VF,STELLAR</b>	<b>ABELL 50 PK 78+18.1 PNG 78.5+18.7</b>
Sep 05 2010	12"	5.5mmN	CF,CS,R=F. NO CENTRAL STAR NOTED. OIII ADDS NOTHING.		
<b>NGC 6751</b>	<b>Aql</b>		<b>PI Neb 3</b>	<b>PB,S</b>	<b>Sanduleak 2-382 PK 29-5.1 PNG 29.2-5.9</b>
Aug 07 2016	12"	8mm Et	PF,PS,R=G. LP3 GLOWING EYE.		
Jul 03 2005	8"	11mmT6	MB,ML,R=G		
<b>NGC 6765</b>	<b>Lyr</b>		<b>PI Neb 5</b>	<b>F,S,E</b>	<b>Minkowski 1-68 PK 62+9.1 PNG 62.4+9.5</b>
Jun 30 2008	16"	11mmT6	VF,PS,R,NO CENTRAL STAR,R=F		
<b>NGC 6772</b>	<b>Aql</b>	<b>H14-4</b>	<b>PI Neb 3b+2</b>	<b>VF,L,R,VVLBM,R</b>	<b>Sanduleak 2-384 PK 33-6.1 PNG 33.1-6.3</b>
Aug 31 2008	31"	17mmT4	VF,VS,R,R=P,NO CENTRAL STAR		

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<b>NGC 6778</b>	<b>Aql</b>		<b>PI Neb 3+3</b>	<b>S,E,ILL-DEFINED DISC</b>	<b>Sanduleak 2-388 PK 34-6.1 PNG 34.5-6.7</b>
Aug 31 2008 31"	17mmT4	PB,PS,R,R=G, NO CENTRAL STAR			
<b>NGC 6781</b>	<b>Aql</b>	<b>H743-3</b>	<b>PI Neb 3+3</b>	<b>PLN,F,L,R,VSBM DISC</b>	<b>PK 41-2.1 PNG 41.8-2.9</b>
Aug 07 2016 12"	8mm Et	PF,PS,R=G., LP3. LITTLE RING.			
Sep 19 2014 12"	11mmT6	F,PL,OVAL,R=G, LP-2, 3 STARS INSIDE, HOME - 9/14/14			
Sep 13 2009 12"	32mmUW	8TH OBJECT			
Oct 06 2004 8"	11mmT6	MB,OVAL,HISB,R=G			
<b>NGC 6790</b>	<b>Aql</b>		<b>PI Neb 2</b>	<b>PLN,B,ES,STELL=9.5M</b>	<b>PK 37-6.1 PNG 37.8-6.3</b>
Aug 07 2016 12"	8mm Et	PF,VS,R=F. LP3. EYE OF THE EAGLE			
Jul 03 2005 8"	11mmT6	VF,VS,AV,R=F			
<b>NGC 6803</b>	<b>Aql</b>		<b>PI Neb 2a</b>	<b>PLN,STELLAR</b>	<b>PK 46-4.1 PNG 46.4-4.1</b>
Jul 25 2017 12"	11mmT6	VF,VS,R=F USED LP2.			
Jul 03 2005 8"	11mmT6	VF,VS,AV,R=F			
<b>NGC 6804</b>	<b>Aql</b>	<b>H38-6</b>	<b>PI Neb 4+2</b>	<b>CB,S,IR,RRR</b>	<b>PK 45-4.1 PNG 45.7-4.5</b>
Jul 25 2017 12"	11mmT6	VF,VS,R=F. USED LP2			
Sep 13 2009 12"	32mmUW	9TH OBJECT			
Jul 03 2005 8"	11mmT6	VF,ML,AV,R=F			
<b>NGC 6807</b>	<b>Aql</b>		<b>PI Neb 2</b>	<b>PLN,STELLAR</b>	<b>PK 42-6.1 PNG 42.9-6.9</b>
Aug 31 2008 31"	17mmT4	CF,CS,R,R=P, NO CENTRAL STAR			
<b>NGC 6818</b>	<b>Sgr</b>	<b>H51-4</b>	<b>PI Neb 4</b>	<b>PLN,B,VS,R</b>	<b>Sanduleak 2-392 PK 25-17.1 PNG 25.8-17.9</b>
Sep 19 2014 12"	11mmT6	B,S,ROUND DOT, HOME - 8/14/14			
Jul 09 2005 8"	11mmT6	VB,VS,R,R=G			
<b>NGC 6826</b>	<b>Cyg</b>	<b>H73-4</b>	<b>PI Neb 3a+2</b>	<b>PLN,B,PL,R,*11M</b>	<b>Blinking Planetary PK 83+12.1 PNG 83.5+12.7</b>
Jul 19 2017 12"	11mmT6	F,PS,R=G. SQM=20.01. 71 DEGREES OUT.			
Aug 13 2010 31"	17mmT4	B,S,R=F, CENTRAL STAR OBSERVED AND NOTED			
Nov 13 2007 8"	11mmT6	PB,PS,R,R=G, NO CENTRAL STAR			
Oct 13 2006 8"	19mmW	VF,PS,R=F			
Sep 04 2004 8"	11mmT6	FAINT			
<b>NGC 6833</b>	<b>Cyg</b>		<b>PI Neb 2</b>	<b>PLN,STELLAR</b>	<b>PK 82+11.1 PNG 82.5+11.3</b>
Aug 13 2010 31"	17mmT4	CF,VVS,R=F. STELLAR IN APPEARANCE			
<b>NGC 6842</b>	<b>Vul</b>		<b>PI Neb 3b</b>	<b>F,PL,VLE</b>	<b>SH2 -95 LBN 19 Henize 2-451</b>
Sep 01 2008 31"	17mmT4	PF,PS,R=P. NO CENTRAL STAR			
<b>NGC 6852</b>	<b>Aql</b>		<b>PI Neb 4</b>	<b>F NEB,AM ST</b>	<b>Kohoutek 1-18 PK 42-14.1 PNG 42.5-14.5</b>
Jul 25 2017 12"	11mmT6	VF,VS,R=F. USED LP2			
Aug 13 2010 31"	17mmT4	F,PS,PATCHY,R=F. NO CENTRAL STAR NOTED.			
Jul 03 2005 8"	11mmT6	VF,VS,AV,R=F			
<b>NGC 6853</b>	<b>Vul M27</b>		<b>PI Neb 3+2</b>	<b>VB,VL,BIN,IE,DUMBBEL</b>	<b>M 27 Dumbbell Nebula Henize 2-452</b>

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<b>NGC 6853</b>	<b>Vul M27</b>	<b>PI Neb 3+2</b>	<b>VB,VL,BIN,IE,DUMBBEL</b>	<b>M 27 Dumbbell Nebula Henize 2-452</b> <b>PK 60-3.1 PNG 60.8-3.6</b>
Sep 02 2016 12"	8mm Et	VERY NICE WITH/WITHOUT OIII.		
Aug 07 2016 12"	8mm Et	BRIGHT,LARGE,R=E. OUTSTANDING EVEN WITHOUT LP3.		
Aug 21 2015 12"	8mm Ds	LP2 FILTER		
Oct 21 2012 8"	11mmT6	B,L,R=G,SURPRISE UNDER THE STREETLIGHTS		
Mar 16 2012 18"	17mmAT	2012 M.M.		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Aug 31 2010 12"	17mmAT	NIGHT ENDING EYE CANDY		
Mar 08 2010 12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Sep 13 2009 12"	32mmUW	1ST OBJECT WITH 12" SKYWATCHER & MANUAL SETTING CIRCLES		
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
Sep 01 2008 31"	17mmT4	VB,CL,R=E. NO CENTRAL STAR		
Aug 12 2006 1.9"	12x50	F,S,R,R=F		
Mar 27 2006 8"	19mmW	B,L,R=G, LONG		
Aug 14 2004 8"	11mmT6			
Dec 26 2003 8"	25mmPL	Q/M COLD		
<b>NGC 6881</b>	<b>Cyg</b>	<b>PI Neb 2a+3</b>	<b>PLN,STELLAR</b>	<b>Henize 2-456 PK 74+2.1 PNG 74.5+2.1</b>
Aug 13 2010 31"	17mmT4	PF,VS,R=P. STELLAR IN APPEARANCE - NO CENTRAL STAR!		
Jul 27 2009 16"	7.5mmW	VF,VS,R=F, NO VISIBLE CENTRAL STAR		
<b>NGC 6884</b>	<b>Cyg</b>	<b>PI Neb 2b</b>	<b>PLN,STELLAR</b>	<b>PK 82+7.1 PNG 82.1+7.0</b>
Jul 23 2006 8"	11mmT6	VF,VS,AV,R=F		
<b>NGC 6886</b>	<b>Sge</b>	<b>PI Neb 2+3</b>	<b>PLN,STELLAR=10M</b>	<b>Henize 2-458 PK 60-7.2 PNG 60.1-7.7</b>
Sep 01 2008 31"	17mmT4	PB,VS,R=F. NO CENTRAL STAR		
<b>NGC 6891</b>	<b>Del</b>	<b>PI Neb 2a+2b</b>	<b>PLN,STELLAR=9.5M</b>	<b>PK 54-12.1 PNG 54.1-12.1</b>
Sep 25 2006 31"	19mmW	PB,L,R,R=G		
Aug 12 2005 8"	7.5mmW	MF,VS,OVAL,R=F		
<b>NGC 6894</b>	<b>Cyg</b>	<b>H13-4</b>	<b>PI Neb 4+2</b>	<b>RINGNEB,F,S,VVLE</b> <b>Henize 2-460 PK 69-2.1 PNG 69.4-2.6</b>
Aug 13 2010 31"	17mmT4	F,PS,R=F. OVAL PATCH - NO CENTRAL STAR NOTED		
Jul 27 2009 16"	11mmT6	PF,PS,ROUND, NO VISIBLE CENTRAL STAR,R=F		
<b>NGC 6905</b>	<b>Del</b>	<b>H16-4</b>	<b>PI Neb 3+3</b>	<b>PLN,B,PS,R,4S*NR</b> <b>Henize 2-466 PK 61-9.1 PNG 61.4-9.5</b>
Jul 25 2017 12"	11mmT6	F,PS,R=G.. USED LP2		
Aug 13 2007 31"	31mmT5	PF,CS,R,R=G, CENTRAL STAR NOT VISIBLE		
Aug 09 2005 8"	11mmT6	MB,ML,PATCHY,MSB,R=G		
<b>NGC 7008</b>	<b>Cyg</b>	<b>H192-1</b>	<b>PI Neb 3</b>	<b>CB,L,E45,R,**ATT</b> <b>PK 93+5.2 PNG 93.4+5.4</b>
Aug 02 2005 8"	19mmW	FB,FL,R=G, BEHIND STAR		
<b>NGC 7009</b>	<b>Aqr</b>	<b>H1-4</b>	<b>PI Neb 4+6</b>	<b>PLN,VB,S,ELLIPTIC</b> <b>Saturn Nebula PK 37.7-34.5</b>
Aug 21 2015 12"	8mm Ds			
Oct 29 2006 8"	19mmW	F,VS,OVAL,R=F		
Sep 27 2005 31"	17mmT4	VB,VL,OVAL,HISB,R=G!!		
Jul 08 2004 31"	17mmT4	GREAT IN THE BIG ONE!		
Jul 08 2004 8"	25mmPL	SMALL IN 8_DOBSON		



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<b>NGC 7026</b> Aug 24 2005 8"	<b>Cyg</b> 11mmT6	<b>PI Neb 3a</b> MF,MS,PATCHY,AV,R=F	<b>PB,BIN,PLN</b>	<b>PK 89+0.1 PNG 89.0+0.3</b>
<b>NGC 7027</b> Aug 24 2005 8"	<b>Cyg</b> 7.5mmW	<b>PI Neb 3a</b> VB,VS,R,R=F	<b>PLN,STELLAR=8.5M</b>	<b>PK 84-3.1 PNG 84.9-3.4</b>
<b>NGC 7048</b> Aug 24 2005 8"	<b>Cyg</b> 7.5mmW	<b>PI Neb 3b</b> VF,ML,PATCHY,AV,R=F	<b>PF,PL,DIF,IR,VLBM</b>	<b>Hubble 9 PK 88-1.1 PNG 88.7-1.6</b>
<b>NGC 7094</b> Sep 05 2010 28" Aug 29 2010 12"	<b>Peg</b> 26mm 7mm TV	<b>PI Neb 4</b> PF,PS,R,R=F,OII, NO CENTRAL STAR NOTED VF,CS,AV,R=F. NO CENTRAL STAR NOTED.	<b>*IN EEF NEBY,VDIFFIC</b>	<b>Kohoutek 1-19 PK 66-28.1 PNG 66.7-28.2</b>
<b>NGC 7139</b> Oct 18 2009 12"	<b>Cep</b> 11mmT6	<b>H696-3</b> VF,PS,R=F. NO OTHER DETAIL = FAINT SMUDGE	<b>PI Neb 3b</b> VF,CS,R,R	<b>PK 104+7.1 PNG 104.1+7.9</b>
<b>NGC 7293</b> Sep 05 2010 12" Nov 09 2004 8"	<b>Aqr</b> 11mmT6 11mmT6	<b>PI Neb 4+3</b> B,PS,R=G. CENTRAL STAR NOT NOTED. OIII FILTER ADDS DETAIL. NICE - ALMOST ROUND PATCH! LARGE.	<b>PF,VL,E OR BIN</b>	<b>Helix Nebula PK 36-57.1 PNG 36.1-57.1</b>
<b>NGC 7354</b> Sep 07 2005 8"	<b>Cep</b> 11mmT6	<b>H705-2</b> MB,ML,R,MSB,R=G	<b>PI Neb 4+3b</b> PLN,B,S,R,PGVLBM	<b>PK 107+2.1 PNG 107.8+2.3</b>
<b>NGC 7662</b> Oct 05 2016 12" Aug 21 2015 12" Aug 24 2012 18" Nov 21 2006 8" Aug 23 2004 8"	<b>And</b> 11mmT6 8mm Ds 5mm TV 11mmT6 9mm	<b>H18-4</b> B,S,OIII,R=G. BLUE STREAK NEBULA PRETTY SMALL USED LP2 FILTER ROUND AND BRIGHT, OIII, BLUE SNOWBALL, R=E! VB,PS,OVAL, NO CENTRAL STAR,R=G SMALL,FAINT. LOOK @ AGAIN LATER!	<b>PI Neb 4+3</b> PLN ORRING,VB,PS,R	<b>Blue Snowball PK 106-17.1</b>
<b>PEASE 1</b> Sep 27 2005 31"	<b>Peg</b> 17mmT4	<b>PI Neb 1</b> VB,VS,R=F		<b>CENTRAL STAR 14.9 MAG</b>
<b>PK 158+17.1 FIX</b> Feb 20 2006 31"	<b>PI Neb 3</b> 17mmT4	<b>PI Neb 3</b> DIFF,VS,R=F, OIII FILTER		<b>PNG 158.9+17.8</b>