

## Orion - The Hunter

<b>B</b>	<b>33</b>		<b>Nebula Ir</b>	
	Dec 12 2012	36"	31mmT5	OUTSTANDING OBJECT W/HYDROGEN-BETA FILTER.AND VERY GOOD TRANSPARENCY.
	Dec 28 2008	31"	17mmT4	MB,VL,R=E!!!, HYDROGEN BETA FILTER.
	Dec 19 2006	31"	31mmT5	PB,VL,R=E!!!, H.BETA FILTER
	Nov 21 2006	8"	11mmT6	VF,L,AV,JUST A HINT OF THE HORSEHEAD
	Feb 20 2006	31"	31mmT5	MB,VL,R=E!!!, HYDROGEN BETA FILTER.
	Dec 07 2005	31"	31mmT5	VDARK,LIGHTBACKGROUND, AWESOME!
<b>IC</b>	<b>420</b>			<b>Nebula R</b>
	Feb 20 2006	31"	31mmT5	F,VS,R=F. OIII
<b>IC</b>	<b>424</b>			<b>Nebula R</b>
	Feb 20 2006	31"	31mmT5	VF,VS,R=F, OIII
<b>IC</b>	<b>426</b>			<b>Nebula R</b>
	Feb 20 2006	31"	31mmT5	MB.ML,R=F, OIII
<b>IC</b>	<b>431</b>			<b>Nebula R</b>
	Jan 24 2009	31"	17mmT4	PF,PS, HINT OF NEBULOSITY,R=F
	Nov 21 2006	8"	11mmT6	PF,S,R=F
<b>IC</b>	<b>432</b>			<b>Nebula R</b>
	Jan 24 2009	31"	17mmT4	PF,PS, HINT OF NEBULOSITY,R=F
	Nov 21 2006	8"	11mmT6	F,L,R=F
<b>IC</b>	<b>434</b>			<b>Nebula E</b>
	Nov 21 2006	8"	11mmT6	PF,VL,R=F
<b>IC</b>	<b>435</b>			<b>Nebula R</b>
	Jan 24 2009	31"	17mmT4	PF,PS, HINT OF NEBULOSITY,R=F
<b>J</b>	<b>320</b>			<b>Planetary Neb 2+4</b>
	Dec 28 2008	31"	17mmT4	F,VS,OVAL,R=F, NO CENTRAL STAR
	Dec 15 2004	8"	7.5mmW	VF,R=F
<b>MAC</b>	<b>0447-0208</b>			<b>Galaxy</b>
	Feb 03 2005	31"	11mmT6	MF,MS,EL,FNUC,R=F
<b>MAC</b>	<b>0448-0134</b>			<b>Galaxy</b>
	Feb 03 2005	31"	11mmT6	MF,VS,OVAL,FNUC,R=G
	Feb 03 2005	31"	11mmT6	MF,VS,OVAL,FNUC,R=G
<b>MCG</b>	<b>+1-14-37</b>			<b>Galaxy</b>
	Sep 23 2004	8"	7.5mmW	B,OVAL,FNUC,R=G
<b>NGC</b>	<b>1661</b>			<b>Galaxy SA(s)bc pec:</b>
	Feb 03 2005	31"	11mmT6	VF,MS,EL,OVAL,PATCH,NND,R=F
				<b>VF,VS,BM</b>

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<b>NGC 1662</b> Nov 04 2007 1.9"	12x50	<b>H1-7</b> B,S,STARS 12+,R=F	<b>Open Cluster 9.0 II 3 m</b>	<b>CL OF L\$S SC ST</b>
<b>NGC 1663</b> Apr 09 2008 8"	11mmT6	<b>H7-8</b> PF,PS,R=F	<b>Open Cluster IV 2 p c</b>	<b>CL,LRI,ST L\$S</b>
<b>NGC 1682</b> Dec 04 2004 8"	11mmT6	<b>H527-2</b> VF,R,NND,AV,R=F	<b>Galaxy E/S0</b>	<b>VF,VS,1684F12S,*9S4'</b>
<b>NGC 1683</b> Feb 03 2005 31"	11mmT6		<b>Galaxy Sa</b> DIFF,MB,MS,EL,OVAL,NND,R=G	<b>VF,R</b>
<b>NGC 1684</b> Dec 15 2004 8"	11mmT6	<b>H528-2</b> VF,OVAL,NND,AV,R=F	<b>Galaxy E+ pec:</b>	<b>PF,PS,R,BM,*9SF</b>
Dec 04 2004 8"	11mmT6	VF,OVAL,NND,AV,R=G		
Nov 06 2004 8"	11mmT6	VF,EL,OVAL,NND,AV,R=F		
<b>NGC 1691</b> Feb 03 2005 31"	11mmT6		<b>Galaxy (R)SB(s)0/a:</b> VF,MS,OVAL,NND,R=F	<b>F,S,*11INV</b>
<b>NGC 1729</b> Nov 21 2006 8"	11mmT6	<b>H503-3</b> VF,VS,OVAL,NND,AV,R=F	<b>Galaxy SA(s)c</b>	<b>VF,PL,2B*V NR</b>
<b>NGC 1762</b> Apr 09 2008 8"	11mmT6	<b>H453-3</b> PF,PS,OVAL,NND,USB,R=F	<b>Galaxy SA(rs)c:</b>	<b>VF,VS</b>
<b>NGC 1788</b> Nov 21 2006 8"	11mmT6	<b>H32-5</b> F,S,S,R=F, BRIGHTER THAN SOME.	<b>Nebula R</b>	<b>B,CL,R,BM,***15,*1'F</b>
<b>NGC 1843</b> Nov 21 2006 8"	11mmT6		<b>Galaxy SAB(s)cd:</b> VF,VS,OVAL,NND,AV,R=F	<b>F,S,R,LBM</b>
<b>NGC 1924</b> Nov 21 2006 8"	11mmT6	<b>H447-3</b> VF,VS,OVAL,NND,AV,R=F	<b>Galaxy SB(r)bc</b>	<b>VF,PL,IR,ST NR</b>
<b>NGC 1975</b> Nov 21 2006 8"	11mmT6		<b>Nebula E</b> B,L,R=G, STARS GLOW	<b>B**INV IN NEB</b>
Feb 20 2006 31"	31mmT5	MB,ML,R=G, OIII		
<b>NGC 1976</b> Apr 20 2018 12"	11mmT6		<b>Nebula EN+RN</b>	<b>THETAORI \$GREAT NEB</b>
Jan 25 2018 12"	11mmT6	NICE OBJECT		
Mar 16 2012 18"	17mmAT	2012 M.M.		
Feb 17 2012 18"	17mmAT	FIRST OBJECT WITH 18" F/4.5 ASTROSYSTEMS		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Dec 16 2009 12"	20mmUV			

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<b>NGC 1976</b>	<b>M42</b>	<b>Nebula EN+RN</b>	<b>THETAORI \$GREAT NEB</b>
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009	
Dec 28 2008 31"	17mmT4	VB,VL,R=E, TRAP=6 STARS	
Mar 17 2007 1.9"	12x50	M.M. BETWEEN CLOUDS	
Sep 08 2006 1.9"	12x50	DFF,MB,PL PATCH OF NEB.,R=G	
Apr 17 2006 8"	19mmW	PB,PL,HISB,R=E	
Mar 19 2006 8"	19mmW	PB,PL,R=E	
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Feb 28 2004 8"	25mmPL	COMPTER = ARGO NAVIS	
Dec 26 2003 8"	25mmPL	Q/M COLD	
<b>NGC 1977</b>		<b>H30-5</b>	<b>Open Cluster</b>
Feb 20 2006 31"	31mmT5	B,R=F, STARS LIGHT UP B.N., OIII	<b>42ORIONIS\$NEB</b>
<b>NGC 1980</b>		<b>H31-5</b>	<b>Nebula III 3 m n</b>
Mar 29 2006 8"	19mmW	PB,L,R=F	<b>VF,VVL,44ORIONIS INV</b>
<b>NGC 1981</b>			<b>Open Cluster 10.0 III 3 p n</b>
Nov 04 2007 1.9"	12x50	PB,L,STARS 10+,R=F	<b>CL,VB,LRI,ST L,SC</b>
Apr 17 2006 8"	19mmW	PB,L,R=F, SCATTERED STARS	
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS	
<b>NGC 1982</b>	<b>M43</b>	<b>H1-3</b>	<b>Nebula E</b>
Jan 25 2018 12"	11mmT6	NICE OBJECT	<b>VB,VL,RW/TAIL,MBM*8</b>
Mar 16 2012 18"	17mmAT	2012 M.M.	
Feb 17 2012 18"	17mmT4	SECOND OBJECT	
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010 12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Dec 16 2009 12"	20mmUV		
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009	
Mar 17 2007 1.9"	12x50	M.M. BETWEEN CLOUDS	
Sep 08 2006 1.9"	12x50	DFF,B,LPATCH OF NEB.,R=G	
Mar 19 2006 8"	19mmW	PB,PL,R=E	
Mar 06 2005 8"	11mmT6	VB,VL,VHISB,R=E!!!, OIII FILTER	
Feb 03 2005 31"	11mmT6	480X+,TRAPEZIUM!!!!	
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Dec 26 2003 8"	25mmPL	Q/M COLD	
<b>NGC 1990</b>		<b>H34-5</b>	<b>Nebula E+R</b>
Mar 28 2011 12"	17mmAT	PF,PS,R=F,OIII FILTER, SOME NEBULOSITY?	<b>EL,E,EPSILONORI INVP</b>
<b>NGC 1999</b>		<b>H33-4</b>	<b>Nebula E</b>
Feb 20 2006 31"	31mmT5	MB.ML,R=F, OIII	<b>*10,11INV IN NEB</b>
<b>NGC 2022</b>		<b>H34-4</b>	<b>Planetary Neb 4+2</b>
Dec 28 2008 31"	17mmT4	F,PS,OVAL,R=G, NO CENTRAL STAR	<b>PLN,PB,VS,VLE</b>
Nov 22 2006 8"	11mmT6	PF,S,R=F	

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<b>NGC 2022</b>		<b>H34-4</b>	<b>Planetary Neb 4+2</b>	<b>PLN,PB,VS,VLE</b>
Mar 09 2004 8"	25mmPL	COMPTER = ARGO NAVIS		
<b>NGC 2023</b>		<b>H24-4</b>	<b>Nebula R+E</b>	<b>B*IN M OF L,LE NEB</b>
Jan 24 2009 31"	17mmT4	PF,PS, HINT OF NEBULOSITY,R=F		
Nov 21 2006 8"	11mmT6	PF,S,R=F		
<b>NGC 2024</b>		<b>H28-5</b>	<b>Nebula E</b>	<b>IRR,B,VVL,BLACKSPINC</b>
Nov 22 2006 8"	11mmT6	B,L,R=G,STARSGLOW,IRREGULARSHAPE		
<b>NGC 2045</b>			<b>Non-Existent</b>	<b>*8,9W/ F NEB</b>
Mar 20 2007 8"	11mmT6	SINGLE STAR,R=P		
<b>NGC 2068</b>	<b>M78</b>		<b>Nebula R</b>	<b>B,L,WISP,GMBN,3*INV</b>
Mar 16 2012 18"	17mmAT	2012 M.M.		
Feb 17 2012 18"	17mmT4	OBSERVED WITH 18" ASTROSYSTEMS		
Mar 01 2011 12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010 12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Dec 16 2009 12"	20mmUV			
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		
Mar 17 2007 1.9"	12x50	M.M. BETWEEN CLOUDS		
Oct 29 2006 1.9"	12x50	F,S,R=F		
Mar 19 2006 8"	19mmW	B,L,R=F		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Dec 26 2003 8"	25mmPL	Q/M COLD		
<b>NGC 2071</b>		<b>H36-4</b>	<b>Nebula R</b>	<b>D*10\$14 W/VF,L CHEV</b>
Nov 21 2006 8"	11mmT6	PF,PS,R=F		
<b>NGC 2112</b>		<b>H24-7</b>	<b>Open Cluster 10.0 II 2 m n</b>	<b>CL,PL,LRI,PC,ST S</b>
Nov 21 2006 8"	11mmT6	F,S,LOOSER,R=F		
<b>NGC 2141</b>			<b>Open Cluster 15.0 I 2 r</b>	<b>F,PS,DIF,</b>
Nov 21 2006 8"	11mmT6	F,S,LOOSER,R=F		
<b>NGC 2169</b>		<b>H24-8</b>	<b>Open Cluster 6.9 III 3 m</b>	<b>CL,S,LRI,PMC,**</b>
Nov 04 2007 1.9"	12x50	PF,S,R=F		
Apr 17 2006 8"	19mmW	B,S,R=F		
Nov 06 2004 8"	11mmT6	NICE SHAPE		
<b>NGC 2186</b>		<b>H25-7</b>	<b>Open Cluster 12.0 II 2 m</b>	<b>CL,PL,PRI,PC,ST L\$S</b>
Mar 29 2006 8"	11mmT6	F,S,R=F		
<b>NGC 2194</b>		<b>H5-6</b>	<b>Open Cluster 13.0 II 2 r</b>	<b>CL,L,RI,GVMCM</b>
Mar 29 2006 8"	11mmT6	F,S,R=F		
<b>PGC 16012</b>			<b>Galaxy Sd</b>	

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**PGC 16012** **Galaxy Sd**  
Feb 03 2005 31" 11mmT6 VF,MS,OVAL,NND,AV,R=F

**PGC 16017** **Galaxy Sa**  
Feb 03 2005 31" 11mmT6 MB,MS,EL,EON,FNUC,R=G