

## Virgo - The Virgin

<b>ABELL 36</b>			<b>Planetary Neb</b>
Jul 13 2013	18"	11mmT6	VF,VS,R=F. NO CENTRAL STAR NOTED. USED OIII FILTER.
<b>IC 1042</b>			<b>Galaxy S0?</b>
May 23 2012	18"	8.8 ES	PF,PS,R,UB,NND,R=F
<b>IC 3011</b>			<b>Non-Existent</b>
Mar 08 2010	12"	11mmT6	PF,PS,EON,UB,NND,R=F
<b>IC 3074</b>			<b>Galaxy SB(s)dm: sp</b>
May 30 2014	18"	8mm Ds	VF,PS,EON,UB,NND,R=F,PA=160
<b>IC 3259</b>			<b>Galaxy SAB(s)dm?</b>
Mar 30 2014	18"	7mm TV	VF,VS,OVAL,UB,NND,AV1,R=P
<b>IC 3322A</b>			<b>Galaxy SB(s)cd: sp</b>
May 25 2014	18"	8mm Ds	PF,PS,EON,FNUC,R=F,PA=160
<b>IC 3414</b>			<b>Galaxy SABdm?</b>
May 25 2014	18"	8mm Ds	VF,VS,OVAL,UB,NND,AV1,R=P
<b>IC 3446</b>			<b>Galaxy S?</b>
May 18 2007	31"	17mmT4	VF,VS,R,NND,AV,R=F
May 14 2007	31"	17mmT4	PB,PS,EON,FNUC,MSB,R=G
<b>IC 3470</b>			<b>Galaxy E?</b>
May 14 2007	31"	17mmT4	PB,PS,R,UB,NND,R=G
<b>IC 3481</b>			<b>Galaxy SAB0-: pec</b>
May 18 2007	31"	17mmT4	PB,PS,OVAL,UB,NND,R=F
<b>IC 3481A</b>			<b>Galaxy E pec:</b>
May 18 2007	31"	17mmT4	CF,VS,R,NND,AV,R=F
<b>IC 3483</b>			<b>Galaxy SAB(s)b pec:</b>
May 18 2007	31"	17mmT4	PF,PS,OVAL,UB,NND,R=F
<b>IC 3499</b>			<b>Galaxy S0/a</b>
May 14 2007	31"	17mmT4	PF,PL,EON,UB,NND,R=F
<b>IC 3510</b>			<b>Galaxy S?</b>
May 14 2007	31"	17mmT4	CF,CS,OVAL,NND,AV,R=F
<b>IC 3583</b>			<b>Galaxy IBm</b>
May 18 2007	31"	17mmT4	PF,PL,EL,OVAL,NND,R=F
<b>MAC 1141+1016</b>			<b>Galaxy</b>

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<b>MAC 1141+1016</b>			<b>Galaxy</b>	
May 18 2007 31"	17mmT4	VF,VS,R,NND,AV,R=F		
<b>MAC 1231+0036</b>			<b>Galaxy</b>	
May 14 2007 31"	17mmT4	CF,VS,OVAL,NND,R=F		
<b>MAC 1231+0353</b>			<b>Galaxy</b>	
May 14 2007 31"	17mmT4	VF,CS,EON,NND,AV,R=P		
<b>MAC 1234-0727</b>			<b>Galaxy</b>	
May 14 2007 31"	17mmT4	VF,CS,R,NND,AV,R=F		
<b>MAC 1234-0732</b>			<b>Galaxy</b>	
May 14 2007 31"	17mmT4	CF,CS,R,UB,NND,R=F		
<b>MAC 1252+1001</b>			<b>Galaxy</b>	
May 18 2007 31"	17mmT4	VF,VS,OVAL,NND,AV,R=F		
<b>MAC 1253+0956</b>			<b>Galaxy</b>	
May 18 2007 31"	17mmT4	EF,VS,R,NND,AV,R=F		
<b>NGC 3776</b>			<b>Galaxy Sb</b>	<b>EF,VS</b>
May 10 2005 31"	11mmT6	VF,S,OVAL,NND,R=F		
<b>NGC 3818</b>		<b>H284-3</b>	<b>Galaxy E5</b>	<b>F,PS,R,PSBM</b>
Apr 02 2008 8"	11mmT6	B,S,OVAL,FNUC,R=F		
Apr 04 2005 8"	11mmT6	MF,EL,EON,NND,R=F		
<b>NGC 3822</b>		<b>H153-2</b>	<b>Galaxy S0?</b>	<b>PF,PS,3RD OF 4</b>
May 18 2007 31"	17mmT4	PF,PS,OVAL,NND,R=F		
<b>NGC 3825</b>		<b>H154-2</b>	<b>Galaxy SBa</b>	<b>PF,PS,4TH OF 4</b>
May 18 2007 31"	17mmT4	PF,CS,OVAL,NND,R=F		
<b>NGC 3833</b>		<b>H102-3</b>	<b>Galaxy Sc</b>	<b>EF,PS</b>
May 18 2007 31"	17mmT4	DIFF,PF,PL,OVAL,NND,R=F		
<b>NGC 3848</b>		<b>H35-3</b>	<b>Galaxy Sc</b>	<b>EF,VS</b>
May 18 2007 31"	17mmT4	PB,PS,OVAL,UB,NND,R=G		
<b>NGC 3952</b>		<b>H612-3</b>	<b>Galaxy IBm: sp</b>	<b>CF,CS,LE90,BM,R</b>
Mar 08 2010 12"	11mmT6	PF,PS,EON,UB,NND,R=F		
<b>NGC 3976</b>		<b>H132-2</b>	<b>Galaxy SAB(s)b</b>	<b>B,PL,CE30,VSMBMN</b>
Apr 04 2005 8"	11mmT6	MF,EL,EON,NND,R=F		
<b>NGC 4030</b>		<b>H121-1</b>	<b>Galaxy SA(s)bc</b>	<b>CB,L,VLE,PSMBM,BSTNR</b>

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<b>NGC 4030</b>		<b>H121-1</b>	<b>Galaxy SA(s)bc</b>	<b>CB,L,VLE,PSMBM,BSTNR</b>
Apr 04 2005 8"	11mmT6	MB,OVAL,FNUC,MSB,R=G		
<b>NGC 4045</b>		<b>H276-2</b>	<b>Galaxy SBa</b>	<b>PF,L,R,SBM,*SF</b>
May 30 2016 12"	8mm Ds	VF,VS,OVAL,MEXT,UB,NND,AV2R=F		
Mar 08 2010 12"	11mmT6	PF,PS,OVAL,MEXT,UB,NND,R=F		
Apr 04 2005 8"	11mmT6	VF,OVAL,NND,AV,R=F		
<b>NGC 4067</b>		<b>H37-3</b>	<b>Galaxy SA(s)b:</b>	<b>F,PS,R,GBM</b>
Mar 08 2010 12"	11mmT6	VF,CS,OVAL,UB,NND,AV,R=F		
<b>NGC 4073</b>		<b>H277-2</b>	<b>Galaxy E+</b>	<b>F,PS,R,PGBM,NP OF 2</b>
Apr 04 2005 8"	11mmT6	VF,OVAL,NND,AV,R=F		
<b>NGC 4079</b>			<b>Galaxy (R')SAB(rs)bc:</b>	<b>F,L,R,*10N1'</b>
Mar 08 2010 12"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
<b>NGC 4116</b>			<b>Galaxy SB(rs)dm</b>	<b>VF,E,SPOF2,HOOKSHAPE</b>
Apr 29 2011 12"	7mm TV	DIFF,CF,PS,OVAL,AV,R=F,PA=120		
Apr 02 2008 8"	11mmT6	VF,PS,OVAL,NND,AV,R=F		
<b>NGC 4123</b>		<b>H4-5</b>	<b>Galaxy SB(r)c</b>	<b>CF,VL,E90,BMN</b>
Apr 02 2008 8"	11mmT6	VF,L,OVAL,NND,AV,R=F		
May 16 2004 10"	28mm	CLEAR - MEGASTAR CONTROL		
<b>NGC 4124</b>		<b>H33-1</b>	<b>Galaxy SA(r)0+</b>	<b>PB,PL,ME118,BM,R</b>
Apr 09 2008 8"	11mmT6	PF,PS,R,NND,LSB,R=F		
<b>NGC 4168</b>		<b>H105-2</b>	<b>Galaxy E2</b>	<b>PB,PL,IF,PSBM,R,*INV</b>
Apr 04 2005 8"	11mmT6	MB,OVAL,PATCH,NND,R=G		
<b>NGC 4178</b>			<b>Galaxy SB(rs)dm</b>	<b>VF,VL,E45,*7F</b>
Apr 04 2005 8"	11mmT6	VF,EL,OVAL,AV,R=F		
<b>NGC 4179</b>		<b>H9-1</b>	<b>Galaxy S0 sp</b>	<b>PB,PS,PME135,BMN</b>
Apr 04 2005 8"	11mmT6	MB,EON,OVAL,FNUC,MSB,R=G		
<b>NGC 4197</b>		<b>H134-2</b>	<b>Galaxy Sd</b>	<b>PF,PME,VGBM</b>
May 30 2014 18"	8mm Ds	PF,PS,EON,UB,NND,R=F,PA=30		
<b>NGC 4206</b>		<b>H165-2</b>	<b>Galaxy SA(s)bc:</b>	<b>F,VME</b>
Apr 16 2009 16"	17mmT4	VF,PS,EON,NND,VLOWSB,R=F		
Apr 04 2005 8"	11mmT6	VF,EON,NND,AV,R=F		
<b>NGC 4207</b>			<b>Galaxy S?</b>	<b>PF,PS,LE,*14NP</b>
Apr 09 2010 12"	11mmT6	PF,PS,OVAL,UB,NND,R=F		

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<b>NGC 4215</b>		<b>H135-2</b>	<b>Galaxy SA(r)0+: sp</b>	<b>B,PS,E,SBM*11</b>
Mar 08 2010 12"	11mmT6	CF,CS,EON,UB,NND,R=F		
<b>NGC 4216</b>		<b>H35-1</b>	<b>Galaxy SAB(s)b:</b>	<b>VB,VL,VME17,SBMN</b>
Apr 16 2009 16"	17mmT4	PB,PL,EON,BNUC,HSB,R=G		
Apr 04 2005 8"	11mmT6	VB,EON,FNUC,MSB,R=G		
May 16 2004 10"	28mm	CLEAR - MEGASTAR CONTROL		
<b>NGC 4224</b>		<b>H136-2</b>	<b>Galaxy SA(s)a: sp</b>	<b>PB,PS,LE,GBM,R</b>
Apr 09 2008 8"	11mmT6	PF,PS,EON,NND,LSB,R=F		
<b>NGC 4233</b>		<b>H496-2</b>	<b>Galaxy S0^</b>	<b>PF,R,VSBMSN</b>
Apr 09 2008 8"	11mmT6	PF,CS,OVAL,FNUC,LSB,R=F		
<b>NGC 4235</b>		<b>H17-2</b>	<b>Galaxy SA(s)a sp</b>	<b>PB,PL,PME,BM,P OF 2</b>
Apr 29 2011 12"	5mm TV	PF,PS,EON,FNUC,R=G,PA=45		
Apr 09 2008 8"	11mmT6	PF,PS,EON,UB,FNUC,R=G		
<b>NGC 4240</b>			<b>Galaxy E</b>	<b>PB,S,*12SP1/2'</b>
Mar 08 2010 12"	11mmT6	VF,CS,OVAL,UB,NND,R=F		
<b>NGC 4241</b>		<b>H480-3</b>	<b>Galaxy SA(s)0+:</b>	<b>VF,L,VGBM,*7S</b>
Apr 09 2008 8"	11mmT6	PF,PS,OVAL,LSB,AV,R=F		
<b>NGC 4255</b>			<b>Galaxy SB(r)0^</b>	<b>S,PMBM</b>
May 18 2014 18"	8mm Ds	VF,PS,OVAL,MEXT,UB,NND,AV1,R=F		
<b>NGC 4260</b>		<b>H138-2</b>	<b>Galaxy SB(s)a</b>	<b>PB,E,PSBM</b>
Apr 14 2016 12"	11mmT6	DIFF,PS,,S,R,UB,NND,R=F		
Apr 09 2008 8"	11mmT6	PF,PS,OVAL,UB,NND,R=F		
<b>NGC 4261</b>		<b>H139-2</b>	<b>Galaxy E2-3</b>	<b>PB,PS,R,GBM</b>
Apr 14 2016 12"	11mmT6	PF,PS,R,FNUC,R=F		
Apr 26 2006 8"	11mmT6	B,L,OVAL,FNUC,MSB,R=G		
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
<b>NGC 4264</b>		<b>H140-2</b>	<b>Galaxy SB(rs)0+</b>	<b>F,PS,R,GBM</b>
Apr 09 2008 8"	11mmT6	VF,VS,R,NND,AV,R=F		
<b>NGC 4267</b>		<b>H166-2</b>	<b>Galaxy SB(s)0-?</b>	<b>PB,VS,R,VSMBM</b>
Apr 09 2008 8"	11mmT6	PF,PS,OVAL,FNUC,R=G		
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
<b>NGC 4268</b>			<b>Galaxy SB0/a: sp</b>	<b>PF,S,2ND OF 6 NEB</b>
Apr 04 2005 8"	11mmT6	VF,EL,OVAL,NND,AV,R=F		
<b>NGC 4270</b>		<b>H568-2</b>	<b>Galaxy S0</b>	<b>PB,S,R</b>

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<b>NGC 4270</b>		<b>H568-2</b>	<b>Galaxy S0</b>	<b>PB,S,R</b>
May 14 2017 12"	11mmT6	PF,PS,OVAL,MEXT,NND,R=F		
Apr 14 2016 12"	11mmT6	PF,PS,OVAL,UB,NND,R=G		
Apr 09 2008 8"	11mmT6	PF,PS,EON,FNUC,MSB,R=G		
<b>NGC 4273</b>		<b>H569-2</b>	<b>Galaxy SB(s)c</b>	<b>PB,L,E,GBM</b>
May 14 2017 12"	11mmT6	PF,PS,OVAL,FNUC,R=G		
Apr 04 2005 8"	11mmT6	MB,OVAL,FNUC,MSB,R=G		
<b>NGC 4281</b>		<b>H573-2</b>	<b>Galaxy S0+: sp</b>	<b>B,VL,R,PGBM</b>
May 14 2017 12"	11mmT6	PF,PS,OVAL,FNUC,R=G		
Apr 14 2016 12"	11mmT6	PF,PS,OVAL,MEXT,FNUC,R=F		
Apr 04 2005 8"	11mmT6	MB,EL,OVAL,NND,MSB,R=F		
<b>NGC 4285</b>			<b>Galaxy Sa</b>	<b>EF,PS,R</b>
Apr 29 2006 31"	19mmW	VF,S,OVAL,NND,AV,R=F		
<b>NGC 4294</b>		<b>H61-2</b>	<b>Galaxy SB(s)cd</b>	<b>F,L,ME135,BIN,P OF 2</b>
Apr 04 2005 8"	11mmT6	MF,EL,EON,NND,AV,R=F		
<b>NGC 4299</b>		<b>H62-2</b>	<b>Galaxy SAB(s)dm:</b>	<b>F,L,LE,VGBM,F OF 2</b>
Apr 04 2005 8"	11mmT6	VF,OVAL,NND,AV,R=F		
<b>NGC 4300</b>		<b>H572-2</b>	<b>Galaxy Sa</b>	<b>F,LE,VGBM</b>
May 18 2014 18"	8mm Ds	PF,PS,OVAL,FNUC,R=F		
<b>NGC 4303</b>	<b>M61</b>	<b>H139-1</b>	<b>Galaxy SAB(rs)bc</b>	<b>VB,VL,VSBM*,BIN</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		
May 06 2007 1.9"	12x50	PB,PS,OVAL,NND,R=G		
Mar 26 2006 8"	19mmW	DIFF,F,L,OVAL,NND,R=F		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS		
<b>NGC 4305</b>			<b>Galaxy SA(r)a</b>	<b>VF,R</b>
May 18 2014 18"	8mm Ds	PF,PS,OVAL,UB,NND,R=F, PAIRED W/NGC-4306		
<b>NGC 4306</b>			<b>Galaxy SB(s)0^:</b>	<b>VF,PL,R,4305SP</b>
May 18 2014 18"	8mm Ds	PF,PS,OVAL,UB,NND,R=F,PAIRED W/.NGC-4305		
<b>NGC 4307</b>			<b>Galaxy Sb sp</b>	<b>PF,L,ME,3KNOTS</b>
May 18 2014 18"	8mm Ds	PF,PS,EON,UB,NND,R=F,PA=24		
<b>NGC 4309</b>			<b>Galaxy SAB(r)0+</b>	<b>F,S,*11F12S</b>
May 18 2014 18"	8mm Ds	VF,PS,OVAL,UB,NND,R=F		

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<b>NGC 4313</b> Apr 04 2005 8"	11mmT6	<b>H63-2</b> MF,EL,EON,NND,R=F	<b>Galaxy SA(rs)ab: sp</b>	<b>VF,L,E135,R</b>
<b>NGC 4324</b> May 10 2005 8"	11mmT6	VF,VS,EL,OVAL,NND,R=F	<b>Galaxy SA(r)0+</b>	<b>PB,RORLE,BM</b>
<b>NGC 4326</b> May 10 2005 8"	11mmT6	<b>H141-2</b> MF,VS,R,NND,R=F	<b>Galaxy SAB(r)ab:</b>	<b>VF,S,R,BM,1ST OF 3</b>
<b>NGC 4330</b> May 10 2005 8"	11mmT6	VF,VS,EON,NND,AV,R=F	<b>Galaxy Scd?</b>	<b>VF,L,ME</b>
<b>NGC 4339</b> Apr 09 2008 8"	11mmT6	<b>H143-2</b> PF,PS,R,FNUC,MSB,R=G	<b>Galaxy E0</b>	<b>B,PL,R,BM,3RD OF 3</b>
<b>NGC 4341</b> Mar 30 2014 18"	7mm TV	<b>H95-3</b> PF,PS,EON,UB,NND,R=F	<b>Galaxy SAB(s)0^ sp</b>	<b>EF,VS,R</b>
<b>NGC 4342</b> Mar 30 2014 18"	7mm TV	<b>H96-3</b> PF,PS,OVAL,BNUC,R=F	<b>Galaxy S0- sp</b>	<b>EF,VS,R</b>
<b>NGC 4343</b> Mar 30 2014 18" Apr 09 2008 8"	7mm TV 11mmT6	<b>H94-3</b> PF,PS,OVAL,MEXT,UB,NND,R=F PF,PS,EON,UB,NND,R=F	<b>Galaxy SA(rs)b:</b>	<b>PF,S,E,(D)</b>
<b>NGC 4348</b> Mar 30 2014 18"	7mm TV	<b>H625-2</b> PF,PS,EON,UB,NND,R=F,PA=40	<b>Galaxy SAbc: sp</b>	<b>F,PL,E70,VLBM</b>
<b>NGC 4351</b> Mar 30 2014 18"	7mm TV	DIFF,PF,PS,OVAL,UB,NND,R=F	<b>Galaxy SBab/</b>	<b>F,PL,IR,BM</b>
<b>NGC 4352</b> Mar 30 2014 18"	7mm TV	<b>H64-2</b> PF,PS,OVAL,PEXT,FNUC,R=G	<b>Galaxy SA0: sp</b>	<b>CF,CS,LE</b>
<b>NGC 4356</b> May 25 2014 18"	8mm Ds	<b>H481-3</b> PF,PS,EON,UB,NND,R=F, MAG 13 STAR ON SOUTH EDGE.	<b>Galaxy Scd:</b>	<b>VF</b>
<b>NGC 4365</b> Apr 26 2006 8" May 22 2004 8"	11mmT6 25mmPL	<b>H30-1</b> PB,PL,OVAL,FNUC,MSB,R=G DECENT NIGHT - MEGASTAR CONTROL	<b>Galaxy E3</b>	<b>CB,PL,VLE,GL,SMBM</b>
<b>NGC 4370</b> Mar 30 2014 18"	7mm TV	<b>H144-2</b> PF,PS,OVAL,UB,NND,R=F	<b>Galaxy Sa sp</b>	<b>PF,PS,LE,BM</b>
<b>NGC 4371</b> Apr 26 2006 8" Apr 14 2004 8"	11mmT6 25mmPL	<b>H22-1</b> PF,PS,OVAL,NND,R=F CLEAR NIGHT - MEGASTAR CONTROL	<b>Galaxy SB(r)0+</b>	<b>B,PS,R,GBM</b>

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<b>NGC 4374</b>	<b>M84</b>	<b>Galaxy E1</b>	<b>VB,PL,R,PSBM,R</b>
May 14 2017 12"	11mmT6	F,VS,R,BNUC,R=E	
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	
May 06 2007 1.9"	12x50	PF,PS,OVAL,NND,R=F	
Mar 26 2006 8"	19mmW	B,S,OVAL,NND,R=F	
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS	
<b>NGC 4378</b>		<b>H123-1 Galaxy (R)SA(s)a</b>	<b>B,S,*8,9SF3'</b>
Apr 09 2010 12"	11mmT6	PF,PS,R,FNUC,R=F	
<b>NGC 4380</b>		<b>Galaxy SA(rs)b:?</b>	<b>VF,PL,R,LBM</b>
Apr 09 2010 12"	11mmT6	PF,PS,OVAL,UB,NND,R=F	
<b>NGC 4385</b>		<b>Galaxy SB(rs)0+:</b>	<b>VF,VS,ALM STELL</b>
Mar 30 2014 18"	7mm TV	PF,PS,OVAL,MEXT,UB,NND,R=F	
<b>NGC 4387</b>		<b>H167-2 Galaxy E</b>	<b>PF,VS,R,*13NP90,NP-2</b>
May 14 2017 12"	11mmT6	F,PS,OVAL,FNUC,R=E	
Apr 09 2010 12"	11mmT6	PF,CS,OVAL,UB,NND,R=F	
<b>NGC 4388</b>		<b>H168-2 Galaxy SA(s)b: sp</b>	<b>VF,E,SF OF2</b>
May 14 2017 12"	11mmT6	F,PS,EON,BNUC,R=E	
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
<b>NGC 4402</b>		<b>Galaxy Sb sp</b>	<b>F,L,ME90</b>
Apr 09 2010 12"	11mmT6	PF,PS,EON,UB,NND,R=F	
<b>NGC 4403</b>		<b>H755-3 Galaxy SA(r)ab pec sp</b>	<b>VF,VS,E</b>
Mar 30 2014 18"	7mm TV	PF,PS,OVAL,PEXT,UB,NND,R=F,PAIRED W/NGC-4404	
<b>NGC 4404</b>		<b>H756-3 Galaxy SA(r)0- pec:</b>	<b>VF,VS,E</b>
Mar 30 2014 18"	7mm TV	PF,PS,OVAL,UB,NND,R=F,PAIRED W/NGC-4403	
<b>NGC 4406</b>	<b>M86</b>	<b>Galaxy E3</b>	<b>VB,L,R,GBMN,R</b>
Apr 20 2018 12"	11mmT6		
May 14 2017 12"	11mmT6	F,PS,R,BNUC,R=E	
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	
May 06 2007 1.9"	12x50	PF,PS,OVAL,NND,R=F	
Mar 26 2006 8"	19mmW	B,S,R,NND,R=F	
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS	

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<b>NGC 4410A</b>		<b>Non-Existent</b>	
Mar 30 2014 18"	7mm TV	VF,PS,R,UB,NND,R=F,PAIRED W/NGC-4410B	
<b>NGC 4410B</b>		<b>Non-Existent</b>	
Mar 30 2014 18"	7mm TV	VF,PS,R,UB,NND,R=F,PAIRED W/NGC-4410A	
<b>NGC 4411A</b>		<b>Galaxy SBdm</b>	
Mar 30 2014 18"	7mm TV	VF,PS,OVAL,UB,NND,AV,R=F	
<b>NGC 4411B</b>		<b>Non-Existent</b>	
Mar 30 2014 18"	7mm TV	PF,PS,OVAL,UB,NND,R=F	
<b>NGC 4413</b>		<b>H169-2</b>	<b>Non-Existent</b>
Mar 30 2014 18"	7mm TV	PF,PS,OVAL,UB,ND,R=F	<b>CF,S,GBM,2ST N,NP</b>
Apr 09 2010 12"	11mmT6	CF,PS,OVAL,MEXT,UB,NND,R=F	
<b>NGC 4417</b>		<b>H155-2</b>	<b>Galaxy SB0: sp</b>
Apr 05 2005 8"	7.5mmW	VF,ML,EL,EON,NND,AV,R=F	<b>F,PL,E,LBP</b>
<b>NGC 4420</b>		<b>H23-2</b>	<b>Non-Existent</b>
Mar 30 2014 18"	7mm TV	PF,PS,OBVAL,MEXT,UB,NND,R=F	<b>F,PL,LE,R,(=4409)</b>
Apr 05 2005 8"	7.5mmW	VF,VS,EL,NND,AV,R=F	
<b>NGC 4424</b>		<b>Galaxy SB(s)a:</b>	<b>F,PL,IR,BM</b>
Apr 05 2005 8"	7.5mmW	MFN,ML,EL,OVAL,NND,MSB,R=G	
<b>NGC 4425</b>		<b>H170-2</b>	<b>Galaxy SB0+: sp</b>
Apr 09 2010 12"	11mmT6	PF,PS,OVAL,PEXT,FNUC,R=G	<b>PF,S,R,BM</b>
<b>NGC 4429</b>		<b>H65-2</b>	<b>Galaxy SA(r)0+</b>
Apr 26 2006 8"	11mmT6	F,PS,EL,OVAL,UB,R=F	<b>B,L,CE,PSBM,*10NF</b>
Apr 14 2004 8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
<b>NGC 4435</b>		<b>H28-1</b>	<b>Galaxy SB(s)0^</b>
Apr 20 2018 12"	11mmT6		<b>VB,CL,R,NP OF 2</b>
May 14 2017 12"	11mmT6	F,PS,R,FNUC,R=E	
Apr 26 2006 8"	11mmT6	B,S,R,FNUC,MSB,R=G	
Apr 14 2004 8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS	
<b>NGC 4437</b>		<b>H5-4</b>	<b>Galaxy SA(s)cd: sp</b>
May 19 2010 12"	7.5mmW	DIFF,CF,PS,EON,NND,AV,R=F	<b>F,EE75,*10NF</b>
<b>NGC 4438</b>		<b>H28-1</b>	<b>Galaxy SA(s)0/a pec:</b>
Apr 20 2018 12"	11mmT6		<b>B,CL,VLE,R,SF OF 2</b>
May 14 2017 12"	11mmT6	F,PS,EON,FNUC,R=E	
Apr 26 2006 8"	11mmT6	F,PL,EL,OVAL,NND,R=F	



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<b>NGC 4438</b>		<b>H28-1</b>	<b>Galaxy SA(s)0/a pec:</b>	<b>B,CL,VLE,R,SF OF 2</b>
Apr 14 2004 8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL		
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS		
<b>NGC 4442</b>		<b>H156-2</b>	<b>Galaxy SB(s)0^</b>	<b>VB,PL,R,SMBM</b>
Apr 26 2006 8"	11mmT6	PB,CS,EON,FNUC,R=G		
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
<b>NGC 4443</b>			<b>Non-Existent</b>	<b>F,S,</b>
Apr 05 2005 8"	7.5mmW	MFB,ML,EL,OVAL,FNUC,MSB,R=G		
<b>NGC 4451</b>			<b>Galaxy Sbc:</b>	<b>PB,PS,R,BM,*13S</b>
May 30 2016 12"	8mm Ds	VF,VS,OVAL,NND,AV1,R=F		
<b>NGC 4454</b>		<b>H180-2</b>	<b>Galaxy (R)SB(r)0/a</b>	<b>F,L,R,GBM,ER</b>
May 25 2014 18"	8mm Ds	PF,PS,OVAL,NND,R=F		
<b>NGC 4457</b>		<b>H35-2</b>	<b>Galaxy (R)SAB(s)0/a</b>	<b>CB,PS,R,SMBMN</b>
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
<b>NGC 4458</b>		<b>H121-2</b>	<b>Galaxy E0-1</b>	<b>PB,S,R,BM,P OF 2</b>
Apr 09 2010 12"	11mmT6	PB,PS,R,NND,R=G		
<b>NGC 4461</b>		<b>H122-2</b>	<b>Galaxy SB(s)0+:</b>	<b>PF,S,R,BM,F OF 2</b>
Apr 09 2010 12"	11mmT6	PB,PS,OVAL,PEXT,BNUC,HSB,R=G		
<b>NGC 4464</b>		<b>H483-3</b>	<b>Galaxy S?</b>	<b>F,VS,R,PGBM</b>
May 14 2007 31"	17mmT4	PB,PS,R,FNUC,MSB,R=G		
<b>NGC 4465</b>			<b>Galaxy Sc</b>	<b>VF,VDIF</b>
May 14 2007 31"	17mmT4	PF,PS,R,UB,NND,R=F		
<b>NGC 4467</b>			<b>Galaxy E2</b>	<b>VF,VS,LE</b>
May 14 2007 31"	17mmT4	PF,CS,R,UB,NND,R=F		
<b>NGC 4469</b>		<b>H157-2</b>	<b>Galaxy SB(s)0/a? sp</b>	<b>PF,PL,ME,BM,R</b>
Apr 05 2005 8"	7.5mmW	MF,ML,EL,EON,NND,R=G		
<b>NGC 4470</b>		<b>H18-2</b>	<b>Galaxy Sa?</b>	<b>F,PL,IR,BM</b>
May 25 2014 18"	8mm Ds	PF,PS,OVAL,FNUC,R=G		
<b>NGC 4472</b>	<b>M49</b>		<b>Galaxy E2</b>	<b>VB,L,R,MBM,R</b>
Apr 14 2016 12"	11mmT6	SOME MORE 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"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009		

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<b>NGC 4472</b>	<b>M49</b>	<b>Galaxy E2</b>	<b>VB,L,R,MBM,R</b>
May 14 2007 31"	17mmT4	B,CL,OVAL,BNUC,HISB,R=G	
May 06 2007 1.9"	12x50	PB,PS,OVAL,NND,R=G	
Mar 26 2006 8"	19mmW	B,L,OVAL,BNUC,HISB,R=G	
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS	
<b>NGC 4476</b>		<b>H123-2 Galaxy SA(r)0-:</b>	<b>F,S,R,BM,1ST OF 3</b>
May 25 2014 18"	8mm Ds	PF,VS,OVAL,FNUC,R=G	
<b>NGC 4478</b>		<b>H124-2 Galaxy E2</b>	<b>PB,S,R,PSBM,2ND OF 3</b>
Apr 05 2005 8"	7.5mmW	MB,MS,R,FNUC,MSB,R=G	
<b>NGC 4482</b>		<b>H40-3 Galaxy E</b>	<b>EF,PL</b>
May 25 2014 18"	8mm Ds	PF,PS,OVAL,UB,NND,R=F	
<b>NGC 4484</b>		<b>Galaxy SA(s)c pec:</b>	<b>PF,S,R,GBM</b>
May 25 2014 18"	8mm Ds	VF,PS,R,UB,NND,AV,R=P	
<b>NGC 4486</b>	<b>M87</b>	<b>Galaxy E+0-1 pec</b>	<b>VB,VL,R,MBM,3RD OF 3</b>
Sep 19 2014 12"	17mmAT	PF,L,R=G, HOME - 8/14/14	
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	
Mar 10 2007 1.9"	12x50	PF,S,OVAL,R=F	
Mar 26 2006 8"	19mmW	B,LLARGER,FNUC,R=G	
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS	
<b>NGC 4486A</b>		<b>Galaxy E2</b>	
May 18 2014 18"	8mm Ds	VF,VS,OVAL,UB,NND,R=F	
<b>NGC 4486B</b>		<b>Galaxy cE0</b>	
May 18 2014 18"	8mm Ds	VF,VSM,R,UB,NND,R=F	
<b>NGC 4487</b>		<b>H776-2 Galaxy SAB(rs)cd</b>	<b>F,VL,ER</b>
May 14 2007 31"	17mmT4	DIFF,PF,PL,OVAL,NND,R=F	
<b>NGC 4488</b>		<b>H484-3 Galaxy SB(s)0/a pec:</b>	<b>VF,VS,LE</b>
May 14 2007 31"	17mmT4	PB,PS,OVAL,UB,FNUC,MSB,R=G	
<b>NGC 4491</b>		<b>H41-3 Galaxy SB(s)a:</b>	<b>F,L,R</b>
May 14 2007 31"	17mmT4	PF,PS,OVAL,UB,NND,R=F	
<b>NGC 4492</b>		<b>H499-2 Galaxy SA(s)a?</b>	<b>PF,PL,VGLBM,2*NR</b>
May 14 2007 31"	17mmT4	PB,PS,R,FNUC,MSB,R=G	

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<b>NGC 4493</b>			<b>Galaxy E+ pec:</b>	<b>VF,VS,IR</b>
May 14 2007 31"	17mmT4	PF,CL,OVAL,NND,R=F		
<b>NGC 4496A</b>			<b>Galaxy SB(rs)m</b>	<b>F,CL,BIN OR DNEB</b>
May 14 2007 31"	17mmT4	PF,PS,R,NND,R=F		
<b>NGC 4496B</b>			<b>Galaxy IB(s)m:</b>	
May 14 2007 31"	17mmT4	DIFF,PF,PL,OVAL,NND,R=F		
<b>NGC 4497</b>		<b>H42-3</b>	<b>Galaxy SAB(s)0+:</b>	<b>VF</b>
May 14 2007 31"	17mmT4	PB,PL,OVAL,UB,NND,R=G		
<b>NGC 4503</b>		<b>H66-2</b>	<b>Galaxy SB0-:</b>	<b>PB,S,R,GBM</b>
May 14 2007 31"	17mmT4	PB,PL,EL,OVAL,BNUC,HISB,R=G		
<b>NGC 4504</b>		<b>H771-2</b>	<b>Galaxy SA(s)cd</b>	<b>PB,CL,IE,GVLBM,ER</b>
May 14 2007 31"	17mmT4	DIFF,PF,PL,OVAL,NND,R=F		
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
<b>NGC 4518</b>			<b>Galaxy SB0_2/3_(r)/a</b>	<b>F,S,R,BM</b>
May 14 2007 31"	17mmT4	PF,PS,OVAL,UB,NND,R=F		
<b>NGC 4519</b>		<b>H158-2</b>	<b>Galaxy SB(rs)d</b>	<b>F,PL,R,BM,R</b>
May 14 2007 31"	17mmT4	DIFF,PF,PL,OVAL,NND,R=F		
<b>NGC 4519A</b>			<b>Galaxy dS0?</b>	
May 14 2007 31"	17mmT4	CF,CS,OVAL,NND,R=F		
<b>NGC 4520</b>		<b>H757-3</b>	<b>Galaxy SA0- pec sp</b>	<b>VF,S,2VS*INV</b>
May 14 2007 31"	17mmT4	PF,PS,OVAL,UB,FNUC,R=F		
<b>NGC 4522</b>			<b>Galaxy SB(s)cd: sp</b>	<b>EF,PL,LE,VLBM</b>
May 14 2007 31"	17mmT4	PF,PL,EON,UB,NND,R=F		
<b>NGC 4526</b>		<b>H31-1</b>	<b>Galaxy SAB(s)0^:</b>	<b>VB,VL,ME120,PSMBM</b>
May 14 2007 31"	17mmT4	VB,CL,EON,BNUC,HISB,R=G		
Apr 26 2006 8"	11mmT6	VB,CS,EON,BNUC,R=G		
Apr 16 2004 8"	25mmPL	CLEAR - PALM PILOT DIRECTED		
<b>NGC 4527</b>		<b>H37-2</b>	<b>Galaxy SAB(s)bc</b>	<b>PB,L,PME69,MBM</b>
Apr 13 2005 8"	11mmT6	MB,ML,EL,EON,FNUC,R=G		
<b>NGC 4528</b>		<b>H67-2</b>	<b>Galaxy S0^:</b>	<b>PF,CS,R,BM,*9F30S</b>
May 14 2007 31"	17mmT4	PF,PS,OVAL,BNUC,HISB,R=G		
<b>NGC 4531</b>		<b>H175-2</b>	<b>Galaxy SB0+:</b>	<b>F,PL,R,VGBM</b>
May 14 2007 31"	17mmT4	DIFF,PF,PL,OVAL,NND,R=F		

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<b>NGC 4532</b>		<b>H147-2</b>	<b>Galaxy IBm</b>	<b>PB,PL,PME,VGBM,R</b>
May 14 2007 31"	17mmT4	PB,PL,EON,UB,FNUC,R=G		
<b>NGC 4535</b>		<b>H500-2</b>	<b>Galaxy SAB(s)c</b>	<b>PF,VL,R</b>
Apr 26 2006 8"	11mmT6	F,VL,OVAL,NND,R=F		
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
<b>NGC 4536</b>		<b>H2-5</b>	<b>Galaxy SAB(rs)bc</b>	<b>B,VL,ME110,SBM,ER</b>
Apr 13 2005 8"	11mmT6	MB,ML,EL,EON,FNUC,R=G		
<b>NGC 4546</b>		<b>H160-1</b>	<b>Galaxy SB(s)0-:</b>	<b>VB,CL,PME78,VSMBMN</b>
Apr 26 2006 8"	11mmT6	F,L,OVAL,NND,R=F		
Apr 16 2004 8"	25mmPL	CLEAR - PALM PILOT DIRECTED		
<b>NGC 4550</b>		<b>H36-1</b>	<b>Galaxy SB0^: sp</b>	<b>PB,S,VLE,SP OF 2</b>
Apr 13 2005 8"	11mmT6	MF,MS,EL,NND,R=G		
<b>NGC 4551</b>		<b>H37-1</b>	<b>Galaxy E:</b>	<b>PB,S,R,BM,NF OF 2</b>
Apr 13 2005 8"	11mmT6	VF,MS,OVAL,NND,AV,R=F		
<b>NGC 4552</b>	<b>M89</b>		<b>Galaxy E0-1</b>	<b>PB,PS,R,GMBM</b>
Apr 20 2018 12"	11mmT6			
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		
Mar 10 2007 1.9"	12x50	B,S,R,NND,R=F		
Mar 26 2006 8"	19mmW	B,L,R,FNUC,R=G		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
<b>NGC 4567</b>		<b>H8-4</b>	<b>Galaxy SA(rs)bc</b>	<b>VF,L,NP OF D NEB</b>
Apr 14 2016 12"	11mmT6	PF,PS,OVAL,NND,R=F		
<b>NGC 4568</b>		<b>H9-4</b>	<b>Galaxy SA(rs)bc</b>	<b>VF,L,SF OF D NEB</b>
Apr 14 2016 12"	11mmT6	PF,PS,OVAL,NND,R=F		
<b>NGC 4569</b>	<b>M90</b>		<b>Galaxy SAB(rs)ab</b>	<b>PL,BMN</b>
Mar 16 2012 18"	17mmAT	2012 M.M.		
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		
May 18 2007 31"	17mmT4	EB,EL,EL,OVAL,BNUC,HISB,R=E		
May 06 2007 1.9"	12x50	PB,PS,OVAL,NND,R=G		
Mar 26 2006 8"	19mmW	F,L,EON,NND,R=F		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
<b>NGC 4570</b>		<b>H32-1</b>	<b>Galaxy S0 sp</b>	<b>CB,PS,ME0,SBMRN</b>

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<b>NGC 4570</b>		<b>H32-1</b>	<b>Galaxy S0 sp</b>	<b>CB,PS,ME0,SBMRN</b>
Apr 28 2006 31"	19mmW	VB,CL,EON,,BNUC,PHISB,R=G		
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
<b>NGC 4578</b>		<b>H15-2</b>	<b>Galaxy SA(r)0^:</b>	<b>PF,PS,R,SBMN,*NP</b>
Apr 08 2005 8"	11mmT6	MF,MS,OVAL,NND,R=G		
<b>NGC 4579</b>	<b>M58</b>		<b>Galaxy SAB(rs)b</b>	<b>B,L,IR,VMBM,R</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		
Mar 10 2007 1.9"	12x50	F,S,R,NND,R=F		
Mar 26 2006 8"	19mmW	F.S.VA;,.NND.R=F		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS		
<b>NGC 4580</b>		<b>H124-1</b>	<b>Galaxy SAB(rs)a pec</b>	<b>PB,L,VGBM</b>
Apr 08 2005 8"	11mmT6	MB,ML,R,NND,R=G		
<b>NGC 4581</b>			<b>Galaxy E+</b>	<b>F,S,BM,STELL N</b>
Apr 08 2005 8"	7.5mmW	VF,VS,OVAL,NND,AV,R=F		
<b>NGC 4584</b>			<b>Galaxy SAB(s)a?</b>	<b>VF,S,R</b>
May 18 2014 18"	8mm Ds	PF,PS,OVAL,MEXT,UB,NND,R=F		
<b>NGC 4586</b>		<b>H125-1</b>	<b>Galaxy SA(s)a: sp</b>	<b>PB,L,E,PSBM</b>
Apr 08 2005 8"	11mmT6	MF,ML,EL,NND,R=G		
<b>NGC 4592</b>		<b>H31-2</b>	<b>Galaxy SA(s)dm:</b>	<b>F,L,E90,VGBM</b>
Apr 26 2009 16"	17mmT4	CF,PS,EON,UB,NND,R=F		
Apr 08 2005 8"	11mmT6	MF,ML,EL,EON,NND,AV,R=F		
<b>NGC 4593</b>		<b>H183-2</b>	<b>Galaxy (R)SB(rs)b</b>	<b>PB,CL,E,SBMN=*</b>
Apr 14 2016 12"	11mmT6	PF,S,OVAL,UB,NND,R=F		
Apr 08 2005 8"	11mmT6	MF,MS,OVAL,NND,R=F		
<b>NGC 4594</b>	<b>M104</b>	<b>H43-1</b>	<b>Galaxy SA(s)a sp</b>	<b>VB,VL,EE92,VSMBMN</b>
May 14 2017 12"	11mmT6	VERY NICE.		
Apr 14 2016 12"	8mm Ds	PF,PS,EON,FNUC,R=F,DUST LANE FAINT.		
May 23 2015 12"	11mmT6			
May 22 2015 12"	8mm Ds	ALWAYS GREAT. DUST LANE VISIBLE		
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		
Apr 02 2008 31"	40mm	PB,PL,EON,BNUC,HISB,R=E		

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<b>NGC 4594</b>	<b>M104</b>	<b>H43-1</b>	<b>Galaxy SA(s)a sp</b>	<b>VB,VL,EE92,VSMBMN</b>
May 06 2007 1.9"	12x50	PB,PL,EON,NND,R=G		
Apr 19 2007 31"	17mmT4	VB,VL,EON,BNUC,VHISB,R=E!!		
Mar 26 2006 8"	19mmW	PB,PL,EON,BNUC,HISB,R=G		
Apr 05 2005 8"	7.5mmW	VB,VL,EON,NUC,HISB,R=E!!		
Apr 14 2004 8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS		
<b>NGC 4596</b>		<b>H24-1</b>	<b>Galaxy SB(r)0+</b>	<b>B,PS,R,GMBM,R,3*F</b>
Apr 08 2005 8"	11mmT6	MB,ML,OVALFNUC,R=G		
<b>NGC 4597</b>		<b>H636-2</b>	<b>Galaxy SB(rs)m</b>	<b>F,VL,BM</b>
Apr 08 2005 8"	7.5mmW	VF,VS,OVAL,NND,AV,R=F		
<b>NGC 4598</b>		<b>H105-3</b>	<b>Galaxy SB0</b>	<b>EF,L,R,VLBM</b>
May 18 2014 18"	8mm Ds	VF,PS,OVAL,UB,NND,R=F		
<b>NGC 4599</b>		<b>H509-3</b>	<b>Galaxy SA0/a sp</b>	<b>VF,VS</b>
May 18 2014 18"	8mm Ds	VF,PS,OVAL,UB,NND,R=F		
<b>NGC 4600</b>		<b>H577-2</b>	<b>Galaxy S0</b>	<b>F,S,R,2*8F</b>
May 18 2014 18"	8mm Ds	PF,PS,OVAL,UB,NND,R=F		
<b>NGC 4602</b>		<b>H184-2</b>	<b>Galaxy SAB(rs)bc</b>	<b>F,L,E,VGLBM</b>
Apr 08 2005 8"	11mmT6	MF,MS,EON,NND,R=F		
<b>NGC 4604</b>			<b>Galaxy Im: sp</b>	<b>NO DESCRIPTION</b>
May 18 2014 18"	8mm Ds	VF,VS,OVAL,PEXT,UB,NND,AV,R=F		
<b>NGC 4606</b>		<b>H43-3</b>	<b>Galaxy SB(s)a:</b>	<b>VF,PS,E,20R3VS*INV</b>
Apr 08 2005 8"	11mmT6	MF,ML,OVAL,NND,R=F		
<b>NGC 4607</b>			<b>Galaxy SBb? sp</b>	<b>F,ME,3OR4'F4606</b>
May 18 2014 18"	8mm Ds	PF,S,EON,UB,NND,R=F,PA=179		
<b>NGC 4608</b>		<b>H69-2</b>	<b>Galaxy SB(r)0^</b>	<b>PB,PL,R,PSBM,R,*NP1'</b>
Apr 08 2005 8"	11mmT6	MF,MS,OVAL,FNUC,R=G		
<b>NGC 4612</b>		<b>H148-2</b>	<b>Galaxy (R)SAB0^</b>	<b>PB,S,R,PSMBM</b>
Apr 08 2005 8"	11mmT6	MB,MS,OVAL,RNUC,R=G		
<b>NGC 4621</b>	<b>M59</b>		<b>Galaxy E5</b>	<b>B,PL,LE,VSVMBM,2*P</b>
Apr 20 2018 12"	11mmT6			
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		

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<b>NGC 4621</b>	<b>M59</b>	<b>Galaxy E5</b>	<b>B,PL,LE,VSVMBM,2*P</b>
Mar 20 2009 16"	26mm	MESSIER MARATHON - 2009	
Mar 10 2007 1.9"	12x50	B,PS,OVAL,FNUC,R=G	
Mar 26 2006 8"	19mmW	F,L,OVAL,NND,R=F	
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS	
<b>NGC 4623</b>	<b>H149-2</b>	<b>Galaxy SB0+: sp</b>	<b>CF,PL,E,PSLBM,R</b>
Apr 08 2005 8"	11mmT6	MF,MS,OVAL,NND,AV,R=F	
<b>NGC 4624</b>		<b>Galaxy E0-1</b>	<b>B,E</b>
May 18 2014 18"	8mm Ds	F,S,OVAL,BNUC,R=G	
<b>NGC 4630</b>	<b>H532-2</b>	<b>Galaxy IB(s)m?</b>	<b>CF,S,R,LBM</b>
Apr 08 2005 8"	7.5mmW	VF,VS,OVAL,NND,AV,R=F	
<b>NGC 4632</b>	<b>H14-1</b>	<b>Galaxy SAc</b>	<b>PB,L,E45</b>
Apr 26 2009 16"	17mmT4	CF,CS,OVAL,NND,R=F	
Apr 08 2005 8"	7.5mmW	VF,VS,OVAL,NND,R=F	
<b>NGC 4636</b>	<b>H38-2</b>	<b>Galaxy E</b>	<b>B,L,IR,VGVMBM,R</b>
Apr 26 2009 16"	17mmT4	PB,PS,OVAL,FNUC,R=F	
Apr 28 2006 31"	19mmW	VB,VL,OVAL,BNUC,PHISB,R=G	
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
<b>NGC 4637</b>		<b>Galaxy S0?</b>	<b>DNEB W/4638,()</b>
Apr 14 2016 12"	11mmT6	PF,PS,OVAL,FNUC,R=F	
<b>NGC 4638</b>	<b>H70-2</b>	<b>Galaxy S0- sp</b>	<b>F,R,GBM</b>
Apr 20 2018 12"	11mmT6		
Apr 08 2005 8"	11mmT6	MB,MS,OVAL,NND,R=G	
<b>NGC 4639</b>	<b>H125-2</b>	<b>Galaxy SAB(rs)bc</b>	<b>PB,S,E,R,*12SF1'</b>
Apr 08 2005 8"	11mmT6	MB,ML,OVAL,RNUC,R=G	
<b>NGC 4643</b>	<b>H10-1</b>	<b>Galaxy SB(rs)0/a</b>	<b>CB,PS,LE,MBM</b>
Apr 26 2009 16"	17mmT4	PF,PS,OVAL,FNUC,R=F	
Apr 28 2006 31"	19mmW	VB,VL,OVAL,BNUC,PHISB,R=G	
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
<b>NGC 4647</b>	<b>H44-3</b>	<b>Galaxy SAB(rs)c</b>	<b>PF,PL,LE115,NPOFDNEB</b>
Apr 08 2005 8"	11mmT6	MB,MS,OVAL,NND,R=G	
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS	
<b>NGC 4649</b>	<b>M60</b>	<b>Galaxy E2</b>	<b>VB,PL,R,FOF DNEB</b>
Apr 20 2018 12"	11mmT6		
Apr 14 2016 12"	11mmT6		

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<b>NGC 4649</b>	<b>M60</b>	<b>Galaxy E2</b>	<b>VB,PL,R,FOF DNEB</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	
Mar 10 2007 1.9"	12x50	B,PS,R,FNUC,R=G	
Mar 26 2006 8"	19mmW	F,L,OVAL,NND,R=F	
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 13 2004 8"	25mmPL	COMPUTER = ARGO NAVIS	
<b>NGC 4654</b>		<b>H126-2 Galaxy SAB(rs)cd</b>	<b>F,VL,PME,(D),3*NR</b>
Apr 08 2005 8"	11mmT6	VF,ML,NND,R=F	
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
<b>NGC 4660</b>		<b>H71-2 Galaxy E:</b>	<b>VB,S,VSVMBMN</b>
Apr 13 2005 8"	11mmT6	MF,VS,OVAL,NND,R=G	
<b>NGC 4664</b>		<b>H142-1 Galaxy SB(s)0/a</b>	<b>PB,2S*IN M,(=4665)</b>
Apr 14 2016 12"	11mmT6	PF,PS,R,UB,NND,R=G	
Jun 07 2010 12"	11mmT6	PF,PS,OVAL,UB,NND,R=F	
<b>NGC 4665</b>		<b>Non-Existent</b>	<b>B,PL,IR,MBM,*10SP</b>
Apr 26 2009 16"	17mmT4	PF,PS,OVAL,UB,NND,R=F	
Apr 08 2005 8"	11mmT6	VB,ML,OVAL,FNUC,R=G	
<b>NGC 4666</b>		<b>H15-1 Galaxy SABc:</b>	<b>B,VL,ME45,PSBM</b>
Apr 14 2010 16"	11mmT6	PF,PS,EON,FNUC,USB,R=G	
Apr 26 2009 16"	17mmT4	PB,PS,EON,FNUC,R=G	
Apr 28 2006 31"	19mmW	VB,VL,EON,BNUC,VHISB,R=G	
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
<b>NGC 4667</b>		<b>Non-Existent</b>	<b>B,S,R,PSBM,( )</b>
Apr 20 2018 12"	11mmT6		
<b>NGC 4684</b>		<b>H181-2 Galaxy SB(r)0+</b>	<b>B,PL,PME25</b>
Apr 14 2010 16"	11mmT6	PF,PS,OVAL,VEXT,UB,NND,R=F	
<b>NGC 4691</b>		<b>H182-2 Galaxy (R)SB(s)0/a pec</b>	<b>PB,PL,E90,MBM</b>
Apr 09 2008 8"	11mmT6	PF,PS,R,FNUC,MSB,R=G	
<b>NGC 4697</b>		<b>H39-1 Galaxy E6</b>	<b>VB,L,LE45,SMBMN</b>
Apr 28 2006 31"	19mmW	CB,VL,OVAL,VBNUC,VHISB,R=G	
Apr 14 2004 8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
<b>NGC 4698</b>		<b>H8-1 Galaxy SA(s)ab</b>	<b>CB,PL,IR,BM,R</b>
Apr 13 2005 8"	11mmT6	MB,ML,EON,FNUC,MSB,R=G	



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<b>NGC 4699</b>		<b>H129-1</b>	<b>Galaxy SAB(rs)b</b>	<b>VB,R,VMBMRN,R</b>
Apr 28 2006 31"	19mmW	CB,CL,OVAL,BNUC,HISB,R=G		
Apr 16 2004 8"	25mmPL	CLEAR - PALM PILOT DIRECTED		
<b>NGC 4700</b>		<b>H524-3</b>	<b>Galaxy SB(s)c? sp</b>	<b>F,L,ME40,VLBM,B*P</b>
May 18 2014 18"	8mm Ds	PF,PS,EON,FNUC,R=F,PA=48		
<b>NGC 4701</b>		<b>H578-2</b>	<b>Galaxy SA(s)cd</b>	<b>F,S</b>
May 18 2014 18"	8mm Ds	PF,PS,OVAL,UB,NND,R=F		
<b>NGC 4703</b>		<b>H514-3</b>	<b>Galaxy Sb sp</b>	<b>EF,CS,PME</b>
May 18 2014 18"	8mm Ds	PF,PS,EON,FNUC,R=G,PA=153		
<b>NGC 4705</b>		<b>H610-3</b>	<b>Galaxy SAB(s)bc: sp</b>	<b>CF,PL,LE</b>
May 18 2014 18"	8mm Ds	PF,PS,OVAL,UB,NND,R=F		
<b>NGC 4708</b>		<b>H722-3</b>	<b>Galaxy SA(r)ab pec?</b>	<b>EF,S</b>
May 18 2014 18"	8mm Ds	PF,PS,OVAL,UB,NND,R=F, MEGASTAR SAYS 14.5 MAG.		
<b>NGC 4713</b>		<b>H140-1</b>	<b>Galaxy SAB(rs)d</b>	<b>PB,L,VLE,GLBM</b>
May 18 2014 18"	8mm Ds	PF,PS,OVAL,FNUC,R=F		
<b>NGC 4716</b>			<b>Galaxy S0^ pec?</b>	<b>DNEB,NPBRIGHTER\$SMBM</b>
May 18 2014 18"	8mm Ds	PF,PS,OVAL,UB,NND,R=F, PAIRED W/NGC-4717		
<b>NGC 4717</b>			<b>Galaxy SB(rs)a pec?</b>	<b>DNEB SF ONE FAINTER</b>
May 18 2014 18"	8mm Ds	VF,PS,OVAL,MEXDT,UB,NND,R=F,PAIRED W/NGC-4716		
<b>NGC 4731</b>		<b>H41-1</b>	<b>Galaxy SB(s)cd</b>	<b>VF,PL,E</b>
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
<b>NGC 4739</b>		<b>H515-3</b>	<b>Galaxy E+ pec:</b>	<b>F,PL,LE,PGLBM</b>
May 14 2007 31"	17mmT4	DIFF,PF,PL,R,NND,R=F		
<b>NGC 4742</b>		<b>H133-1</b>	<b>Galaxy E4:</b>	<b>PB,VS,VBMN=*11,*10SF</b>
Apr 13 2005 8"	11mmT6	MF,MS,EL,FNUC,R=F		
<b>NGC 4753</b>		<b>H16-1</b>	<b>Galaxy I0</b>	<b>CB,L,VLE,VGLBM</b>
Apr 28 2006 31"	19mmW	CB,CL,OVAL,BNUC,MSB,R=G		
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
<b>NGC 4754</b>		<b>H25-1</b>	<b>Galaxy SB(r)0-:</b>	<b>B,PL,R,PSBM,P OF 2</b>
Apr 28 2006 31"	19mmW	CB,CL,OVAL,UB,FNUC,MSB,R=G		
Apr 14 2004 8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL		
<b>NGC 4759B</b>			<b>Non-Existent</b>	
May 18 2007 31"	17mmT4	CB,PL,R,BNUC,HISB,R=E		

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<b>NGC 4760</b>		<b>Galaxy E0?</b>	<b>PB,R</b>
Apr 13 2005 8"	11mmT6	VF,ML,OVAL,NND,AV,R=F	
<b>NGC 4761</b>		<b>Galaxy E+</b>	<b>EF,ES,1'F DNEB4759</b>
May 18 2007 31"	17mmT4	CB,PL,OVAL,BNUC,HISB,R=E	
<b>NGC 4762</b>		<b>H75-2 Galaxy SB(r)0^? sp</b>	<b>PB,VME31,3B*S,F OF 2</b>
Apr 28 2006 31"	19mmW	CB,VL,EON,BNUC,VHISB,R=G	
Apr 14 2004 8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
<b>NGC 4764</b>		<b>Galaxy S?</b>	<b>EF,ES,SF DNEB 4759</b>
May 18 2007 31"	17mmT4	PB,PS,OVAL,NND,MSB,R=G	
<b>NGC 4772</b>		<b>H24-2 Galaxy SA(s)a</b>	<b>PF,PS,R,MBM</b>
Apr 08 2005 8"	11mmT6	VB,VS,EL,NND,R=F	
<b>NGC 4775</b>		<b>H186-2 Galaxy SA(s)d</b>	<b>F,CL,R,VGLBM,R</b>
Apr 14 2016 12"	11mmT6	VF,PS,R,UB,NND,R=F	
<b>NGC 4778</b>		<b>Galaxy S0+ sp</b>	<b>VF,S,R,VLBM,F OFDNEB</b>
May 18 2007 31"	17mmT4	CB,PL,R,BNUC,HISB,R=E	
<b>NGC 4781</b>		<b>H134-1 Galaxy SB(rs)d</b>	<b>CB,VL,ME</b>
Apr 13 2005 8"	11mmT6	MF,ML,EL,NND,R=F	
<b>NGC 4809</b>		<b>Galaxy Im pec</b>	<b>F,DNEB W/4810</b>
May 18 2007 31"	17mmT4	CF,PL,EON,NND,R=F	
<b>NGC 4810</b>		<b>Galaxy Im pec</b>	<b>F,DNEB W/4809</b>
May 18 2007 31"	17mmT4	PF,PS,OVAL,NND,R=F	
<b>NGC 4818</b>		<b>H549-2 Galaxy SAB(rs)ab pec:</b>	<b>PB,L,PME0,GBM</b>
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
<b>NGC 4845</b>		<b>H536-2 Galaxy SA(s)ab sp</b>	<b>PF,PL,PME,VGBM,*NF</b>
May 04 2005 8"	11mmT6	MF,MS,EL,EON,FNUC,R=G	
<b>NGC 4856</b>		<b>H68-1 Galaxy SB(s)0/a</b>	<b>B,R,PSMBM,*13NP</b>
Apr 28 2006 31"	19mmW	CB,CL,EL,EON,BNUC,MSB,R=G	
Apr 16 2004 8"	25mmPL	CLEAR - PALM PILOT DIRECTED	
<b>NGC 4866</b>		<b>H162-1 Galaxy SA(r)0+: sp</b>	<b>B,PL,ME90,SBMN,S*INV</b>
Apr 28 2006 31"	19mmW	CN.VL,EON,BNUC,MSB,R=G	
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
<b>NGC 4880</b>		<b>H83-3 Galaxy SA(r)0+:</b>	<b>CF,PL,R,VGLBM,R</b>
Apr 09 2008 8"	11mmT6	VF,CS,R,NND,LSB,AV,R=F	

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<b>NGC 4900</b> Apr 28 2006 31"	19mmW	<b>H143-1</b> FB,PL,R,UB,NND,R=F	<b>Galaxy SB(rs)c</b>	<b>CB,CE,*10ATT POS135</b>
<b>NGC 4902</b> Apr 09 2008 8" May 22 2004 8"	11mmT6 25mmPL	<b>H69-1</b> VF,CS,R,NND,LSB,AV,R=F DECENT NIGHT - MEGASTAR CONTROL	<b>Galaxy SB(r)b</b>	<b>PB,PL,IR,ST NR</b>
<b>NGC 4904</b> Apr 09 2008 8"	11mmT6	<b>H517-2</b> VF,CS,R,NND,AV,R=F	<b>Galaxy SB(s)cd</b>	<b>PB,PS,R,BM</b>
<b>NGC 4915</b> Apr 09 2008 8"	11mmT6	<b>H47-4</b> VF,VS,R,NND,AV,R=F	<b>Galaxy E0</b>	<b>PB,S,R,BM</b>
<b>NGC 4928</b> Apr 09 2008 8"	11mmT6	<b>H190-2</b> VF,PL,OVAL,NND,LSB,R=F	<b>Galaxy SA(s)bc pec</b>	<b>F,PS,VLE,GLBM</b>
<b>NGC 4933A</b> May 18 2007 31"	17mmT4	<b>H190-2</b> CB,PL,OVAL,BNUC,HISB,R=G	<b>Galaxy S0/a pec</b>	
<b>NGC 4933B</b> May 18 2007 31"	17mmT4	<b>H190-2</b> PB,PS,OVAL,FNUC,MSB,R=G	<b>Galaxy E pec</b>	
<b>NGC 4939</b> Apr 09 2008 8" May 22 2004 8"	11mmT6 25mmPL	<b>H561-2</b> DIFF,VF,PL,OVAL,NND,LSB,R=F DECENT NIGHT - MEGASTAR CONTROL	<b>Galaxy SA(s)bc</b>	<b>PB,L,R,GMBM</b>
<b>NGC 4941</b> Apr 09 2008 8"	11mmT6	<b>H40-1</b> PF,CS,EL,OVAL,UB,NND,R=F	<b>Galaxy (R)SAB(r)ab:</b>	<b>PF,L,E,GBMBN,R</b>
<b>NGC 4958</b> Apr 28 2006 31" May 22 2004 8"	19mmW 25mmPL	<b>H130-1</b> CB,P,EON,BNUC,HISB,R=G DECENT NIGHT - MEGASTAR CONTROL	<b>Galaxy SB(r)0? sp</b>	<b>VB,PS,E,BMBN</b>
<b>NGC 4981</b> Apr 09 2008 8"	11mmT6	<b>H189-2</b> PF,CS,R,NND,LSB,R=F	<b>Galaxy SAB(r)bc</b>	<b>B,PL,R,*10SF1'</b>
<b>NGC 4984</b> Apr 09 2008 8"	11mmT6	<b>H301-2</b> PB,PS,OVAL,FNUC,MSB,R=G	<b>Galaxy (R)SAB(rs)0+</b>	<b>B,PL,R,PSMBM</b>
<b>NGC 4995</b> Apr 28 2006 31" May 22 2004 8"	19mmW 25mmPL	<b>H42-1</b> PB,CL,OVAL,FNUC,MSB,R=F DECENT NIGHT - MEGASTAR CONTROL	<b>Galaxy SAB(rs)b</b>	<b>PB,PL,R,VGPMBM,*8NP</b>
<b>NGC 4999</b> Apr 09 2008 8"	11mmT6	<b>H537-2</b> DIFF,VF,PS,OVAL,NND,AV,R=F	<b>Galaxy SB(r)b</b>	<b>CF,PL,R,LBM,ER</b>
<b>NGC 5018</b>		<b>H746-2</b>	<b>Galaxy E3:</b>	<b>CB,S,R,MBMPBN</b>

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<b>NGC 5018</b>		<b>H746-2</b>	<b>Galaxy E3:</b>	<b>CB,S,R,MBMPBN</b>
Apr 09 2008 8"	11mmT6	PB,PS,OVAL,FNUC,R=G		
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
<b>NGC 5020</b>		<b>H129-2</b>	<b>Galaxy SAB(rs)bc</b>	<b>CF,CL,VLE,LBM</b>
Apr 09 2008 8"	11mmT6	PF,PS,R,FNUC,LSB,R=G		
<b>NGC 5022</b>			<b>Galaxy SBb pec sp</b>	<b>VF,PL,E30,GBM,F5018</b>
May 30 2014 18"	8mm Ds	PF,PS,EON,UB,NND,R=F,PA=21		
<b>NGC 5037</b>		<b>H510-2</b>	<b>Galaxy SA(s)a:</b>	<b>CF,PS,VLE,BM</b>
Apr 09 2008 8"	11mmT6	VF,VS,EON,NND,AV,R=F		
<b>NGC 5044</b>		<b>H511-2</b>	<b>Galaxy E0</b>	<b>PB,PL,R,BM</b>
Apr 09 2008 8"	11mmT6	PF,CS,R,FNUC,MSB,R=G		
<b>NGC 5054</b>		<b>H513-2</b>	<b>Galaxy SA(s)bc</b>	<b>F,PS,IR</b>
Apr 28 2006 31"	19mmW	CB,PL,OVAL,UB,NND,R=F		
<b>NGC 5068</b>		<b>H312-2</b>	<b>Galaxy SAB(rs)cd</b>	<b>F,L,IR,BM</b>
Apr 26 2009 16"	11mmT6	PF,PL,R,UB,NND,R=F		
Apr 09 2008 8"	11mmT6	DIFF,VF,PL,R,NND,AV,R=F		
Jun 23 2004 8"	25mmPL	QUARTER MOON, LEFT @1:30AM.		
<b>NGC 5077</b>		<b>H193-2</b>	<b>Galaxy E3-4</b>	<b>PB,S,VLE,SBM,2ND OF3</b>
Apr 09 2008 8"	11mmT6	PF,PS,OVAL,UB,FNUC,R=G		
<b>NGC 5084</b>		<b>H313-2</b>	<b>Galaxy S0 sp</b>	<b>CB,CS,VLE90,BF</b>
Apr 09 2008 8"	11mmT6	PF,PL,EON,UB,FNUC,R=G		
<b>NGC 5087</b>		<b>H724-3</b>	<b>Galaxy SA0:</b>	<b>CF,VS,IF</b>
Apr 09 2008 8"	11mmT6	PF,PS,OVAL,FNUC,MSB,R=G		
<b>NGC 5129</b>		<b>H653-2</b>	<b>Galaxy E</b>	<b>PB,VS,R,GMBM,**F</b>
Apr 09 2008 8"	11mmT6	PF,PS,R,NND,AV,R=F		
<b>NGC 5134</b>		<b>H314-2</b>	<b>Galaxy SA(s)b?</b>	<b>F,PS,LE,VGBM</b>
Apr 09 2008 8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
<b>NGC 5146</b>		<b>H115-3</b>	<b>Galaxy E/S0</b>	<b>VF,VS,STELLAR</b>
Apr 06 2010 12"	11mmT6	CF,CS,R,UB,NND,R=F		
<b>NGC 5221</b>		<b>H86-3</b>	<b>Galaxy Sb:</b>	<b>VF,S,VLE,1ST OF 3</b>
May 23 2012 18"	8.8 ES	PF,PS,EON,FNUC,MSB,R=F,PA=120		
<b>NGC 5222</b>		<b>H85-3</b>	<b>Galaxy E</b>	<b>CF,S,R,BM,2ND OF 3</b>
May 23 2012 18"	8.8 ES	VF,CS,OVAL,MEXT,UB,,NND,AV2,R=F,PA=50		

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<b>NGC 5230</b>		<b>H87-3</b>	<b>Galaxy SA(s)c</b>	<b>F,L,E,VGBM,3RD OF 3</b>
May 23 2012 18"	8.8 ES	PF,PS,R,UB,NND,R=F		
<b>NGC 5247</b>		<b>H297-2</b>	<b>Galaxy SA(s)bc</b>	<b>CF,VL,VG,PSMBMLN,</b>
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
<b>NGC 5257</b>		<b>H895-2</b>	<b>Galaxy SAB(s)b pec</b>	<b>VF,S,R,BM,P OF DNEB</b>
May 23 2012 18"	8.8 ES	PF,CS,OVAL,MEXT,FNUC,R=G,PA=135, PAIRED WITH NGC-5258, NO INTERATION VISIBLE		
<b>NGC 5258</b>		<b>H896-2</b>	<b>Galaxy SA(s)b: pec</b>	<b>F,S,IR,F OF DNEB</b>
May 23 2012 18"	8.8 ES	PF,PS,OVAL,MEXT,FNUC,R=G,PA=45, PAIRED W/NGC-5257, NO INTERATION VISIBLE		
<b>NGC 5363</b>		<b>H6-1</b>	<b>Galaxy I0?</b>	<b>B,PL,R,PSBM,*8NF</b>
Apr 14 2016 12"	11mmT6	PF,PS,OVAL,UB,NND,R=F		
Apr 28 2006 31"	19mmW	PB,S,R,FNUC,MSB,R=G		
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
<b>NGC 5364</b>		<b>H534-2</b>	<b>Galaxy SA(rs)bc pec</b>	<b>CF,L,R,GBM</b>
Apr 28 2006 31"	19mmW	B,CS,R,NND,R=F		
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
<b>NGC 5426</b>		<b>H309-2</b>	<b>Galaxy SA(s)c pec</b>	<b>PF,CL,R,GMBM,SP OF 2</b>
May 30 2016 12"	8mm Ds	VF,VS,OVAL,NND,R=F. PAIRED W/NGC-5427		
May 23 2012 18"	8.8 ES	PB,PS,OVAL,FNUC,MSB,R=G,PA=5, PAIRED WITH NGC-5427		
Apr 09 2008 8"	11mmT6	VF,VS,OVAL,NND,AV,R=F		
<b>NGC 5427</b>		<b>H310-2</b>	<b>Galaxy SA(s)c pec</b>	<b>PF,CL,R,NF OF 2</b>
May 30 2016 12"	8mm Ds	VF,VS,OVAL,NND,R=F. PAIRED W/NGC-5426		
May 23 2012 18"	8.8 ES	PF,PL,OVAL,MEXT,FNUC,R=G, PA=90, PAIRED WITH NGC-5426		
<b>NGC 5493</b>		<b>H46-4</b>	<b>Galaxy S0 pec sp</b>	<b>PB,VS,R,PSMBM*,*18IN</b>
May 19 2010 12"	7.5mmW	PF,CS,OVAL,MEXT,BNUC,R=G		
<b>NGC 5506</b>		<b>H687-2</b>	<b>Galaxy Sa pec sp</b>	<b>PB,L,E20,LBM</b>
May 19 2010 12"	7.5mmW	DIFF,CF,PS,EON,NND,R=F		
<b>NGC 5507</b>		<b>H49-4</b>	<b>Galaxy SAB(r)0^</b>	<b>CF,S,R,STELLAR</b>
May 19 2010 12"	7.5mmW	PF,CS,OVAL,MEXT,FNUC,MR=G		
<b>NGC 5534</b>			<b>Galaxy (R')SAB(s)ab p:</b>	<b>PF,ST INV,*12NP</b>
May 18 2014 18"	8mm Ds	PF,PS,OVAL,FNUC,R=F		
<b>NGC 5549</b>		<b>H552-3</b>	<b>Galaxy S0</b>	<b>VF,VS,R</b>
May 18 2014 18"	8mm Ds	PF,PS,OVAL,MET,FNUC,R=F		
<b>NGC 5560</b>		<b>H579-2</b>	<b>Galaxy SB(s)b pec</b>	<b>PF,CL,E,GBM</b>
May 30 2016 12"	8mm Ds	PF,PS,VEXT,NND,R=G		

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<b>NGC 5560</b>		<b>H579-2</b>	<b>Galaxy SB(s)b pec</b>	<b>PF,CL,E,GBM</b>
May 23 2012 18"	8.8 ES	PB,PS,EON,FNUC,HSB,R=F,PA=150		
Apr 28 2006 31"	19mmW	B,PL,EON,UB,NND,R=F		
<b>NGC 5566</b>		<b>H144-1</b>	<b>Galaxy SB(r)ab</b>	<b>B,PL,R,PSBM,R,*F1.5'</b>
May 30 2016 12"	8mm Ds	PF,PS,PEXT,FNUC,R=G		
May 23 2012 18"	8.8 ES	PB,PS,OVAL,PEXT,BNUC,R=G, PAIRED WITH NGC-5569		
Apr 28 2006 31"	19mmW	CB,CL,EON,BNUC,HISB,R=G		
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
<b>NGC 5569</b>			<b>Galaxy SAB(rs)cd:</b>	<b>EF,PL,R</b>
May 30 2016 12"	8mm Ds	VF,VS,R,NND,R=F		
May 23 2012 18"	8.8 ES	PF,PS,OVAL,MEXT,UB,NND,AV1,R=F, PAIRED WITH NGC-5566		
<b>NGC 5574</b>		<b>H145-1</b>	<b>Galaxy SB0:-? sp</b>	<b>PF,PS,LE,P OF 2</b>
May 30 2016 12"	7mm TV	PF,PS,OVAL,NND,R=F		
Apr 28 2006 31"	19mmW	F,CL,OVAL,UB,NND,R=F		
<b>NGC 5576</b>		<b>H146-1</b>	<b>Galaxy E3</b>	<b>B,S,R,VSMBM,F OF 2</b>
May 30 2016 12"	7mm TV	F,PS,OVAL,MEXT,FNUC,R=F		
Apr 28 2006 31"	19mmW	B,L,OVALBNUC,HISB,R=G		
<b>NGC 5577</b>			<b>Galaxy SA(rs)bc:</b>	<b>PF,PL,VME53</b>
May 30 2016 12"	8mm Ds	VF,PS,EON,UB,NND,AV1,R=F		
<b>NGC 5599</b>		<b>H927-3</b>	<b>Galaxy Sb</b>	<b>F,S,LE</b>
Apr 28 2006 31"	19mmW	F,PS,EON,NND,R=F		
<b>NGC 5618</b>		<b>H763-3</b>	<b>Galaxy SB(rs)c</b>	<b>EF,S</b>
Apr 28 2006 31"	19mmW	PF,PS,OVAL,NND,R=F		
<b>NGC 5619</b>			<b>Galaxy SAB(rs)b</b>	<b>VF,S,R,VGBM</b>
Apr 28 2006 31"	19mmW	PF,PS,EL,OVAL,FNUC,R=F		
<b>NGC 5634</b>		<b>H70-1</b>	<b>Globular</b>	<b>GCL,VB,CL,R,GBM,RRR</b>
May 30 2016 12"	8mm Et	F,S,R=F		
Apr 14 2016 12"	11mmT6	SURPRISE IN VIRGO.		
Apr 28 2006 31"	19mmW	PB,CL,R,R=G, CAN'T RESOLVE STARTS. VIII		
Jun 23 2004 8"	25mmPL	QUARTER MOON, LEFT @1:30AM.		
<b>NGC 5636</b>		<b>H580-2</b>	<b>Galaxy SAB(r)0+</b>	<b>EF,CL,R,NP OF 2</b>
May 19 2010 12"	7.5mmW	VF,CS,OVAL,UB,NND,R=F		
<b>NGC 5638</b>		<b>H581-2</b>	<b>Galaxy E1</b>	<b>CB,PL,R,SF OF 2</b>
May 19 2010 12"	7.5mmW	PF,PS,R,UB,NND,R=F		
<b>NGC 5652</b>		<b>H891-2</b>	<b>Non-Existent</b>	<b>PB,PL,VLE,BM</b>

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<b>NGC 5652</b>		<b>H891-2</b>	<b>Non-Existent</b>	<b>PB,PL,VLE,BM</b>
Apr 28 2006 31"	19mmW	F,S,OVAL,UB,NND,R=F		
<b>NGC 5661</b>		<b>H892-2</b>	<b>Galaxy SBb:</b>	<b>VF,PS,IE</b>
Apr 29 2006 31"	19mmW	CF,PS,EON,NND,R=F		
<b>NGC 5668</b>		<b>H574-2</b>	<b>Galaxy SA(s)d</b>	<b>F,PS,VLE,*14INV</b>
May 19 2010 12"	7.5mmW	DIFF,CF,PS,R,UB,NND,R=F		
<b>NGC 5679A</b>			<b>Galaxy Sc</b>	
May 23 2012 18"	8.8 ES	PF,PS,OVAL,MEXT,UB,NND,R=F, PA=45		
Apr 29 2006 31"	19mmW	VF,VS,OVAL,NND,AV,R=F		
<b>NGC 5679B</b>			<b>Non-Existent</b>	
May 23 2012 18"	8.8 ES	PF,PS,OVAL,MEXT,UB,NND,R=F, PA=145		
Apr 29 2006 31"	19mmW	VF,VS,OVAL,NND,AV,R=F		
<b>NGC 5701</b>		<b>H575-2</b>	<b>Galaxy (R)SB(rs)0/a</b>	<b>CB,PS,R,MBM,*11P15S</b>
May 30 2016 12"	8mm Ds	PF,PS,R,UB,NND,R=F		
Apr 29 2006 31"	19mmW	CB,S,R,FNUC,MSB,R=F		
<b>NGC 5718</b>		<b>H550-3</b>	<b>Galaxy S0-:</b>	<b>VF,S,R,VGLBM,*8,9NF</b>
May 23 2012 18"	8.8 ES	CF,PS,OVAL,MEXT,UB,NND,AV2,R=F		
Apr 18 2012 18"	11mmT6	PB,PS,EON,FNUC,HSB,R=G, PA=60		
<b>NGC 5746</b>		<b>H126-1</b>	<b>Galaxy SAB(rs)b? sp</b>	<b>B,L,VME170,BMBN</b>
May 04 2005 8"	11mmT6	VB,VL,EL,EON,FNUC,R=G		
<b>NGC 5750</b>		<b>H183-1</b>	<b>Galaxy SB(r)0/a</b>	<b>PF,PS,VLE,R</b>
May 19 2010 12"	7.5mmW	CF,PS,OVAL,UB,NND,R=F		
<b>NGC 5774</b>			<b>Galaxy SAB(rs)d</b>	<b>PF,PL,R,NP OF 2</b>
May 19 2010 12"	7.5mmW	DIFF,CF,PS,R,UB,NND,R=F		
<b>NGC 5775</b>		<b>H554-3</b>	<b>Galaxy SBc? sp</b>	<b>F,PS,VME148,GVLBM</b>
May 19 2010 12"	7.5mmW	PF,PS,EON,UB,NND,R=F		
<b>NGC 5806</b>		<b>H539-2</b>	<b>Galaxy SAB(s)b</b>	<b>CB,CL,E165,SBMN</b>
May 19 2010 12"	7.5mmW	PF,PS,OVAL,MEXT,FNUC,R=F		
<b>NGC 5813</b>		<b>H127-1</b>	<b>Galaxy E1-2</b>	<b>B,PS,R,PSMBM</b>
Apr 09 2008 8"	11mmT6	PF,PS,OVAL,FNUC,MSB,R=G		
<b>NGC 5831</b>		<b>H540-2</b>	<b>Galaxy E3</b>	<b>PB,S,MBM</b>
May 19 2010 12"	7.5mmW	CF,CS,OVAL,MEXT,UB,NND,R=F		
<b>NGC 5838</b>		<b>H542-2</b>	<b>Galaxy SA0-</b>	<b>PB,PS</b>

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<b>NGC 5838</b>		<b>H542-2</b>	<b>Galaxy SA0-</b>	<b>PB,PS</b>
May 19 2010 12"	7.5mmW	PF,PS,EON,FNUC,MUSB,R=F		
<b>NGC 5839</b>		<b>H541-2</b>	<b>Galaxy SAB(rs)0^:</b>	<b>PF,PS</b>
May 19 2010 12"	7.5mmW	CF,VS,R,FNUC,R=F		
<b>NGC 5846</b>		<b>H128-1</b>	<b>Galaxy E0-1</b>	<b>VB,PL,R,PSBMN,F*INVS</b>
May 19 2010 12"	7.5mmW	PF,PS,R,FNUC,R=G		
Apr 28 2006 31"	19mmW	CB,CL,R,FNUC,R=G		
Jun 23 2004 8"	25mmPL	QUARTER MOON, LEFT @1:30AM.		
<b>NGC 5846A</b>			<b>Galaxy cE2-3</b>	
Apr 28 2006 31"	19mmW	PF,PS,OVAL,NND,R=F		
<b>NGC 5850</b>		<b>H543-2</b>	<b>Galaxy SB(r)b</b>	<b>CF,S,LE,PSBM</b>
May 19 2010 12"	7.5mmW	DIFF,CF,PS,R,UB,NND,R=F		
<b>NGC 5854</b>		<b>H544-2</b>	<b>Galaxy SB(s)0+ sp</b>	<b>PB,S,VLE,LBM,AM ST</b>
May 19 2010 12"	7.5mmW	PF,PS,EON,FNUC,R=F		
<b>NGC 5864</b>		<b>H585-2</b>	<b>Galaxy SB(s)0^? sp</b>	<b>PF,CS,ILE,GBM,*14F</b>
May 19 2010 12"	7.5mmW	PF,PS,EON,UB,NND,R=F		
<b>PGC 36325</b>			<b>Galaxy Pec</b>	
May 18 2007 31"	17mmT4	VF,S,R,NND,R=F		
<b>PGC 36723</b>			<b>Galaxy SAB(rs)b? pec</b>	
May 18 2007 31"	17mmT4	PF,PS,OVAL,NND,R=P		
<b>PGC 36733</b>			<b>Galaxy SB(s)b: pec</b>	
May 18 2007 31"	17mmT4	PB,PS,EL,OVAL,NND,R=F		
<b>PGC 36742</b>			<b>Galaxy SB(s)c pec</b>	
May 18 2007 31"	17mmT4	VF,VS,OVAL,NND,AV,R=F		
<b>PGC 40602</b>			<b>Galaxy S?</b>	
Mar 30 2014 18"	7mm TV	VF,VS,R,UB,NND,R=F		
<b>PGC 41410</b>			<b>Galaxy SAB(s)c:</b>	
May 14 2007 31"	17mmT4	CF,CS,EL,OVAL,NND,R=F		
<b>PGC 41666</b>			<b>Galaxy</b>	
May 14 2007 31"	17mmT4	PF,CS,EON,UB,NND,R=F		
<b>PGC 41726</b>			<b>Galaxy E</b>	
May 14 2007 31"	17mmT4	PF,PS,EON,UB,NND,R=F		



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<b>PGC 43728</b>			<b>Galaxy Sab</b>
May 18 2007 31"	17mmT4	PB,PS,EL,OVAL,FNUC,MSB,R=G	
<b>PGC 43762</b>			<b>Galaxy</b>
May 18 2007 31"	17mmT4	VF,VS,R,NND,AV,R=F	
<b>PGC 43944</b>			<b>Galaxy S</b>
May 18 2007 31"	17mmT4	DIFF,CF,PL,EON,UB,NND,R=F	
<b>PGC 44358</b>			<b>Galaxy Sd: sp</b>
May 30 2014 18"	8mm Ds	PF,PS,EON,UB,NND,R=F,PA=100	
<b>PGC 45084</b>			<b>Galaxy IB(s)m sp</b>
May 30 2014 18"	8mm Ds	PF,PS,EON,UB,NND,R=F,PA=110	
<b>PGC 51389</b>			<b>Galaxy C</b>
Apr 28 2006 31"	19mmW	VF,VS,R,NND,R=F	
<b>PGC 51400</b>			<b>Galaxy SB(s)d</b>
Apr 28 2006 31"	19mmW	CF,CS,OVAL,NND,R=F	
<b>PGC 51622</b>			<b>Galaxy Sbc</b>
Apr 28 2006 31"	19mmW	F,S,R,NND,R=F CLASS O1503	
<b>PGC 51909</b>			<b>Galaxy Sc</b>
Apr 29 2006 31"	19mmW	VF,VS,EON,NND,AV,R=F	
<b>PGC 52199</b>			<b>Galaxy S0</b>
Apr 29 2006 31"	19mmW	F,VS,R,NND,R=F	
<b>PK 318+41.1</b>			<b>Planetary Neb 3b+3a</b>
Jun 07 2010 12"	9mm	CF,PL,PATCHY, NO CENTRAL STAR DETECTED,R=P	