

# ARP Peculiar Galaxies

## ARP 5

NGC 3664      Leo                              Galaxy SB(s)m pec              PF,BIN  
 Mar 17 2010 12"    11mmT6    VF,VS,OVAL,NND,AV,R=F

## ARP 6

NGC 2537      Lyn                      H55-4      Galaxy SB(s)m pec              GCL,PB,PL,R,RRR,ST20  
 Dec 04 2004 8"    7.5mmW    MF,R,NND,AV,R=F

## ARP 9

NGC 2523      Cam                              Galaxy SB(r)bc              PB,PL,LE,LBM,\*NR  
 Oct 12 2012 18"    7mm TV    DIFF,PF,S,OVAL,UB,NND,R=F

## ARP 12

NGC 2608      Cnc                      H318-2      Galaxy SB(s)b:              F,VLE,MBM,R  
 Mar 20 2007 8"    11mmT6    PF,VS,OVAL,NND,AV,R=F

## ARP 13

NGC 7448      Peg                      H251-2      Galaxy SA(rs)bc              PB,L,E173,VGBM,\*F2'  
 Sep 24 2016 12"    8mm Et    F,S,OVAL,FNUC,R=G  
 Sep 10 2015 12"    8mm Ds    F,PS,OVAL,MEXT,UB,NND,R=F  
 Oct 26 2014 18"    8mm Ds    PF,PS,OVAL,MEXT,UB,NND,R=G  
 Sep 12 2004 8"    11mmT6    F,EL,OVAL,NND,AV,F  
 Aug 21 2004 8"    11mmT6    CLEAR SKIES - H.H. LITE. 1ST REAL TEST

## ARP 15

NGC 7393      Aqr                      H453-2      Galaxy SB(rs)c pec              VF,PL,LE,VGBM,R  
 Sep 13 2007 31"    17mmT4    PF,PS,EON,UB,NND,R=F

## ARP 16

NGC 3627      Leo      M66                      Galaxy SAB(s)b              B,VL,ME150,MBM,2\*NP  
 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 15 2007 31"    32mmUW    VB,PL,EL,OVAL,BNUC,HISB,R=G  
 Mar 10 2007 1.9"    12x50      B,PL,OVAL,NND,R=G  
 Mar 19 2006 8"    19mmW    PB,PL,EL,OVAL,BNUC,R=G  
 Apr 04 2005 8"    11mmT6    VB,ML,EL,EON,NUC,HISB,R=E  
 May 12 2004 8"    25mmPL    L.P. LOUSY-MAG. 9.5 TOPS! MSV5  
 Mar 19 2004 8"    25mmPL    2004 MESSIER MARATHON - ARGO NAVIS  
 Feb 25 2004 8"    25mmPL    1ST. QTR.

## ARP 17

PGC 21685      Cam                              Galaxy S  
 Dec 20 2006 31"    17mmT4    VF,VS,OVAL,NND,AV,R=F  
 PGC 21693      Cam                              Galaxy SB?  
 Dec 20 2006 31"    17mmT4    VF,VS,OVAL,NND,AV,R=F

## ARP 18

NGC 4088      UMa                      H206-1      Galaxy SAB(rs)bc              B,CL,E55,LBM  
 Mar 18 2007 8"    11mmT6    PF,L,EON,UB,NND,R=F

## ARP 22

NGC 4027      Crv                      H296-2      Galaxy SB(s)dm              GCL,PF,PL,R,RR,ST16  
 Apr 07 2008 31"    17mmT4    PB,PS,R,UB,FNUC,MSB,R=G  
 Mar 29 2006 8"    11mmT6    PF,PS,R,NND,AV,R=F  
 NGC 4027A      Crv                              Galaxy IB(s)m:

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## ARP 22

NGC 4027A Crv Galaxy IB(s)m:  
Apr 07 2008 31" 17mmT4 VF,VS,R,NND,AV,R=F

## ARP 23

NGC 4618 CVn H178-1 Galaxy SB(rs)m B,L,E,MBM,CVDBRANCHN  
Apr 14 2010 16" 11mmT6 PF,PS,R,NND,R=F  
Apr 06 2010 12" 11mmT6 DIFF,PF,PS,R,NND,R=F  
Mar 29 2006 8" 11mmT6 PF,PS,OVAL,NND,AV,R=F  
NGC 4625 CVn H660-2 Galaxy SAB(rs)m pec PF,S,R  
Apr 14 2010 16" 11mmT6 PF,PS,R,UB,NND,R=F  
Apr 06 2010 12" 11mmT6 PF,CS,OVAL,NND,AV,R=P

## ARP 24

NGC 3445 UMa H267-1 Galaxy SAB(s)m CB,PL,IR,VGLBM,\*NF2'  
May 30 2014 18" 8mm Ds PFL,PS,R,UB,NND,R=F

## ARP 25

NGC 2276 Cep Galaxy SAB(rs)c F,60",LBM  
May 22 2004 8" 25mmPL DECENT NIGHT - MEGASTAR CONTROL

## ARP 26

NGC 5457 UMa M101 Galaxy SAB(rs)cd PB,VL,IR,G,VSMBMSN 4  
Jul 15 2015 12" 17mmT4  
Sep 19 2014 12" 17mmAT 5-DAYS AFTER NEW - SIGHTSEEING, HOME - 8/15/14  
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  
Aug 20 2006 1.9" 12x50 F,S,OVAL,NND,R=F  
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  
Mar 10 2004 8" 25mmPL N/M, NO COMPUTER  
NGC 5474 UMa H214-1 Galaxy S(c) PB,L,BM  
Mar 18 2007 8" 11mmT6 VF,PS,R,NND,AV,R=F

## ARP 27

NGC 3631 UMa H226-1 Galaxy SA(s)c PB,L,R,SVMBMRN  
Mar 17 2007 8" 11mmT6 B,PL,R,FNUC,R=G

## ARP 28

NGC 7678 Peg H226-2 Galaxy SAB(rs)c VF,PL,VLE,LBM,AM4ST  
Aug 25 2009 16" 11mmT6 CF,CS,OVAL,NND,R=F  
Sep 04 2005 8" 7.5mmW VF,VS,OVAL,NND,R=F

## ARP 29

NGC 6946 Cep H76-4 Galaxy SAB(rs)cd VF,VL,VG,VSBM,RR  
Aug 31 2010 12" 7mm TV DIFF,PF,S,OVAL,MEXT,UB,NND,R=G. PA=180  
Nov 03 2004 8" 11mmT6 MB,OVAL,NND,MSB,R=G  
Oct 10 2004 8" 11mmT6 MF,OVAL,PATCH,NND,R=F

## ARP 37

NGC 1068 Cet M77 Galaxy (R)SA(rs)b VB,PL,IR,SBMRRN  
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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## ARP 37

NGC 1068	Cet	M77	Galaxy (R)SA(rs)b	VB,PL,IR,SBMRRN
Nov 13 2007 8"	11mmT6	PB,L,OVAL,BNUC,HISB,R=G		
Oct 29 2006 1.9"	12x50	PF,PS,OVA,NND,R=F		
Mar 19 2006 8"	19mmW	B,FL,OVAL,FNUC,MSB,R=F		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		

## ARP 38

NGC 6412	Dra	H41-6	Galaxy SA(s)c	GCL,CL,R,VGBM,RR
Sep 05 2010 12"	5.5mmN	DIFF,PF,PS,OVAL,NND,R=F,PA=170		

## ARP 41

NGC 1232	Eri	H258-2	Galaxy SAB(rs)c	PB,CL,R,GBM,R
Jan 26 2006 8"	11mmT6	DIFF,VF,ML,R,NND,R=F		

## ARP 43

IC 607	Leo		Galaxy SB(rs)bc	
Apr 19 2006 31"	19mmW	DIFF,PF,PL,OVAL,NND,R=F		

## ARP 65

NGC 91	And		Galaxy S	VF,VS,*13SP
Nov 08 2010 12"	5.5mmN	VF,CS,EON,UB,NND,AV3,R=F		
NGC 93	And		Galaxy S?	VF,VS
Nov 08 2010 12"	5.5mmN	VF,CS,OVAL,UB,NND,AV2,R=F		

## ARP 72

NGC 5996	Ser	H97-2	Galaxy S?	PF,CS,R,R,BET 2D*
May 30 2011 12"	7mm TV	PF,PS,OVAL,UB,NND,R=P		

## ARP 76

IC 3583	Vir		Galaxy IBm	
May 18 2007 31"	17mmT4	PF,PL,EL,OVAL,NND,R=F		
NGC 4569	Vir	M90	Galaxy SAB(rs)ab	PL,BMN
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		

## ARP 77

NGC 1097	For	H48-5	Galaxy SB(s)b	VB,L,VME151,VBMN
Nov 21 2006 8"	11mmT6	F,L,OVAL,FNUC,R=F		

## ARP 78

NGC 772	Ari	H112-1	Galaxy SA(s)b	B,CL,R,GBM,R
Dec 04 2004 8"	11mmT6	MB,EL,OVAL,NND,MSB,R=G		
Nov 03 2004 8"	11mmT6	MF,EL,OVAL,NND,R=F		

## ARP 79

NGC 5490C	Boo		Galaxy SB(s)bc	
May 22 2006 31"	19mmW	F,CS,OVAL,NND,R=F		
May 22 2006 31"	19mmW	PB,PS,OVAL,FNUC,R=G		

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## ARP 80

NGC 2633	Cam	Galaxy SB(s)b	F,S,LE
Mar 08 2013 18"	7mm TV	PF,VS,OVAL,MEXT,UB,NND,R=F	
Nov 16 2012 18"	7mm TV	PF,PS,OVAL,UB,AV,R=F	

## ARP 81

NGC 6621	Dra	Galaxy Sb: pec	PF,PS,R,LBM,S OF 2
Aug 24 2012 18"	7mm TV	VF,VS,EON,UB,NND,AV1,R=F	

## ARP 82

NGC 2535	Cnc	Galaxy SA(r)c pec	EF,VS,R
Mar 15 2005 8"	11mmT6	VF,MS,EON,OVAL,NND,AV.R=F	

## ARP 85

NGC 5194	CVn	M51	Galaxy SA(s)bc pec	GREAT SPIRAL NEBULA
May 14 2017 12"	11mmT6	B,S,R,BNUC,R=E.	SOME STRUCTURE NOTED IN ARMS	
Apr 14 2016 12"	8mm Ds	R,S,R,FNUC,R=G,FAINT	STRUCTURE NOTED	
Aug 21 2015 12"	11mmT6	MOON WAS 7 DAYS OLD.	NOT THE BEST FOR GALAXIES.	
Jul 15 2015 12"	17mmT4	JUST CRUSIN'		
May 23 2015 12"	8mm Ds	CAN JUST SEE SPIRAL STRUCTURE		
Sep 19 2014 12"	17mmAT	5-DAYS AFTER NEW - SIGHTSEEING,	HOME - 8/15/14	
May 30 2014 36"	17mmT4	GREAT VIEW. SPIRAL STRUCTURE	NOTED.	
May 30 2014 18"	8mm Ds	MORE DETAIL THAN THE 36".	M51 AT ZENITH.	
Jul 13 2013 18"	7mm TV	MORE EYE CANDY - WHIRLPOOL	GALAXY	
Mar 16 2012 18"	17mmAT	2012 M.M.		
Jul 04 2011 12"	7mm TV	SUPERNOVE SEEN, REMARKABLE	ARM STRUCTURE, R=GREAT	
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		
Jan 11 2007 1.9"	12x50	VB,PL,OVAL,BNUC,R=G		
Mar 26 2006 8"	19mmW	VB,PL,OVAL,BNUC,R=G		
Apr 08 2005 31"	28mm	VB,VL,OVAL,BNUC,R=E!!		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON -	ARGO NAVIS	
Dec 30 2003 8"	25mmPL	H/M COLD		

NGC 5195	CVn	H186-1	Galaxy I0 pec	B,PS,LE,VGBM,INV-M51
Apr 14 2016 12"	8mm Ds	F,PS,R,UB,NND,R=F,COULD	NOT SEE LINK TO M51	
Aug 21 2015 12"	17mmT4			
May 23 2015 12"	8mm Ds	COMPANION TO M51		
May 30 2014 36"	17mmT4	GREAT VIEW.		
May 30 2014 18"	8mm Ds	MORE DETAIL THAN THE 36".	AT ZENITH	
Jul 13 2013 18"	7mm TV	MORE EYE CANDY - MAYTAG	GALAXY	
Apr 26 2006 8"	11mmT6	PB,L,OVAL,FNUC,MSB,R=G		
Apr 16 2004 8"	25mmPL	CLEAR - MEGASTAR CONTROL		

## ARP 86

NGC 7752	Peg	Galaxy I0:	F,S,LE,P 7753
Nov 03 2013 36"	17mmT4	CF,CS,OVAL,MEXT,FNUC,R=F	

NGC 7753	Peg	H213-2	Galaxy SAB(rs)bc	CF,CL,VLE,VGLBM,R
Sep 05 2010 12"	7mm TV	CF,PS,OVAL,UB,NND,R=F,PA=100		

## ARP 89

NGC 2648	Cnc	H49-3	Galaxy Sa	F,S,VLE135,PSBM
Apr 05 2005 8"	11mmT6	VF,VS,EL,NND,AV,R=F		

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## ARP 91

NGC 5953	Ser	H178-2	Galaxy SAa: pec	PB,CS,P OF D NEB
May 30 2011 12"	7mm TV	PF,PS,R,UB,NND,R=F		
NGC 5954	Ser	H179-2	Galaxy SAB(rs)cd: pec	PB,CS,F OF D NEB
May 30 2011 12"	7mm TV	PF,CS,OVAL,PEXT,UB,NND,R=F		

## ARP 93

NGC 7284	Aqr	H469-2	Galaxy SB(s)0^ pec	CF,CS,LE,R,D*INV
Sep 05 2007 8"	11mmT6	VF,VS,R,NND,AV,R=F		
NGC 7285	Aqr		Galaxy SB(rs)a pec	NEB*1'DIST FROM7284
Sep 05 2007 8"	11mmT6	VF,VS,R,NND,AV,R=F		

## ARP 94

NGC 3226	Leo	H28-2	Galaxy E2: pec	PB,CL,R,DW/3227
Apr 26 2006 8"	11mmT6	PF,PS,OVAL,NND,R=F		
Mar 13 2004 8"	25mmPL	COMPUTER = ARGONAVIS		
NGC 3227	Leo	H29-2	Galaxy SAB(s)a pec	PB,CL,R,DW/3226
Apr 26 2006 8"	11mmT6	F,S,EL,R,NND,R=F		
Mar 23 2004 8"	25mmPL	COMPUTER = ARGONAVIS		
Mar 13 2004 8"	25mmPL	COMPUTER = ARGONAVIS		

## ARP 99

NGC 7547	Peg		Galaxy (R')SAB(s)0/a p	VF,S,IR
Sep 10 2015 12"	7mm TV	VF,VS,R,UB,NND,AV,R=F		
Dec 13 2012 18"	7mm TV	PF,PS,OVAL,UB,NND,R=F		
NGC 7549	Peg		Galaxy SB(s)cd pec	PF,PS,R,*10,11P
Sep 10 2015 12"	7mm TV	PF,PS,OVAL,PEXT,UB,NND,R=F		
Sep 09 2010 12"	5.5mmN	VF,CS,EON,NND,AV,=P,PA=45		
NGC 7550	Peg	H181-3	Galaxy SA0-	CF,S,R
Sep 10 2015 12"	7mm TV	PF,PS,R,UB,NND,R=F		
Aug 25 2009 16"	11mmT6	CF,CS,R,UB,NND,R=F		
Aug 12 2005 8"	11mmT6	VF,VS,R,NND,AV,R=F		

## ARP 103

PGC 59061	Her		Galaxy Sa	
Jul 16 2009 16"	17mmT4	CF,PS,R,UB,NND,R=F		
PGC 59062	Her		Galaxy S0 pec:	
Jul 16 2009 16"	17mmT4	VF,CS,OVAL,NND,AV,R=F		

## ARP 112

NGC 7805	Peg	H855-3	Galaxy SAB0^: pec	EF,S,R,SBM,SP OF 2
Nov 02 2005 31"	19mmW	PB,PL,OVAL,FNUC,MSB,R=G		
NGC 7806	Peg	H856-3	Galaxy SA(rs)bc? pec	EF,S,R,NF OF 2,STELL
Nov 02 2005 31"	19mmW	PB,PL,EL,OVAL,FNUC,MSB,R=G		

## ARP 113

NGC 67	And		Galaxy E:	EF,VS,R
Oct 12 2012 18"	7mm TV	VF,VS,R,UB,NND,R=F		
NGC 68	And	H16-5	Galaxy SA0-	EF,L,3OR4*+NEB
Oct 12 2012 18"	7mm TV	VF,VS,R,UB,NND,AV2,R=P		
Aug 24 2012 18"	5mm TV	VF,PS,R,UB,NND,R=F		
NGC 69	And		Galaxy SB(s)0-	EF,VS,R,
Oct 12 2012 18"	7mm TV	VF,VS,R,UB,NND,R=F		
NGC 70	And		Galaxy SA(rs)c	EF,VS,R,BET2F*

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## ARP 113

NGC 70	And		Galaxy SA(rs)c	EF,VS,R,BET2F*
Oct 12 2012 18"	7mm TV	VF,S,OVAL,UB,NND,R=F		
Aug 24 2012 18"	5mm TV	VF,PS,OVAL,UB,NND,AV,R=F		
NGC 71	And		Galaxy SA0- pec:	EF,VS,R
Oct 12 2012 18"	7mm TV	VF,PS,OVAL,UB,NND,R=F		
Aug 24 2012 18"	5mm TV	PF,PS,OVAL,UB,NND,R=F		
NGC 72	And		Galaxy SB(rs)ab	EF,VS,R
Oct 12 2012 18"	7mm TV	PF,PS,R,UB,NND,R=P		

## ARP 114

NGC 2276	Cep		Galaxy SAB(rs)c	F,60",LBM
May 22 2004 8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
NGC 2300	Cep		Galaxy SA0^	PB,PL,LE,BM
Aug 21 2004 8"	11mmT6	CLEAR SKIES - H.H. LITE. 1ST REAL TEST		

## ARP 116

NGC 4647	Vir	H44-3	Galaxy SAB(rs)c	PF,PL,LE115,NPOFDNEB
Apr 08 2005 8"	11mmT6	MB,MS,OVAL,NND,R=G		
Mar 13 2004 8"	25mmPL	COMPUTER = ARGONAVIS		
NGC 4649	Vir	M60	Galaxy E2	VB,PL,R,FOF DNEB
Apr 14 2016 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		
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 - ARGONAVIS		
Mar 13 2004 8"	25mmPL	COMPUTER = ARGONAVIS		

## ARP 117

IC 982	Boo		Galaxy SA0+	
May 22 2006 31"	19mmW	F,CS,R,NND,R=F		
IC 983	Boo		Galaxy SB(r)bc	
Sep 19 2014 12"	17mmAT	5-DAYS AFTER NEW - SIGHTSEEING, HOME - 8/15/14		
May 22 2006 31"	19mmW	VF,PL,OVAL,PATCHY,NND,R=F		

## ARP 120

NGC 4435	Vir	H28-1	Galaxy SB(s)0^	VB,CL,R,NP OF 2
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 = ARGONAVIS		
NGC 4438	Vir	H28-1	Galaxy SA(s)0/a pec:	B,CL,VLE,R,SF OF 2
May 14 2017 12"	11mmT6	F,PS,EON,FNUC,R=E		
Apr 26 2006 8"	11mmT6	F,PL,EL,OVAL,NND,R=F		
Apr 14 2004 8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL		
Mar 13 2004 8"	25mmPL	COMPUTER = ARGONAVIS		

## ARP 123

NGC 1888	Lep	H289-2	Galaxy SB(s)c pec	PB,PL,R,R
Nov 22 2006 8"	11mmT6	PF,S,EL,OVAL,R=F		

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## ARP 124

NGC 6361 Dra Galaxy SAb: sp VF,PS,ME,NEAR BET 2\*  
 Sep 05 2010 12" 5.5mmN CF,CS,EON,UB,NND,R=F,PA=95

## ARP 127

NGC 191 Cet H479-2 Galaxy SAB(rs)c: pec PB,PL,IE0,  
 Nov 28 2010 12" 7mm TV CF,CS,R,UB,NND,R=F

## ARP 134

NGC 4472 Vir M49 Galaxy E2 VB,L,R,MBM,R  
 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  
 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

## ARP 135

NGC 1023 Per H156-1 Galaxy SB(rs)0- VB,VL,VME,VVMBM  
 Sep 09 2010 12" 17mmAT B,S,EON,BNUC,R=G,PA=165  
 Oct 10 2004 8" 11mmT6 MB,EL,RNUC,R=G

## ARP 140

NGC 274 Cet H429-3 Galaxy SAB(r)0- pec PB,PS,SMBM,NP OF2  
 Nov 28 2010 12" 7mm TV PF,PS,R,FNUC,R=F,PAIRED W/NGC-275  
 NGC 275 Cet Galaxy SB(rs)cd pec VF,S,R,SF OF 2  
 Nov 28 2010 12" 7mm TV PF,PS,OVAL,UB,NND,R=F,PAIRED W/NGC-274

## ARP 141

PGC 20460 Cam Galaxy Ring  
 Dec 20 2006 31" 17mmT4 CB,PS,E,OVAL,FNUC,R=F

## ARP 150

MAC 2319+0930 Peg Galaxy  
 Nov 03 2013 36" 17mmT4 VF,VS,OVAL,UB,NND,AV,R=F  
 NGC 7609 Peg Galaxy Pec VF,VS,GBM  
 Nov 03 2013 36" 17mmT4 CF,PS,OVAL,UB,NND,R=F  
 PGC 71080 Peg Galaxy S?  
 Nov 03 2013 36" 17mmT4 PF,PS,OVAL,UB,NND,R=F

## ARP 152

NGC 4486 Vir M87 Galaxy E+0-1 pec VB,VL,R,MBM,3RD OF 3  
 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

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## ARP 153

NGC 5128 Cen Galaxy S0 pec VB,VL,VME122,BIFID  
 Mar 21 2009 31" 17mmT4 DIFF,VL,VF,NND,LSB,R=F

## ARP 155

NGC 3656 UMa H782-2 Galaxy (R')I0: pec PB,S,R,VGBM,\*12P  
 May 30 2014 18" 8mm Ds PF,PS,R,UB,NND,R=F

## ARP 157

NGC 520 Psc H253-3 Galaxy Pec F,CL,E137  
 Oct 09 2007 8" 11mmT6 PB,PL,EL,OVAL,NND,R=F

## ARP 158

NGC 523 And H170-3 Galaxy Pec DNEB,VF,VS,DIST30"  
 Nov 08 2010 12" 5.5mmN CF,CS,EON,UB,NND,AV1,R=F

## ARP 161

PGC 36325 Vir Galaxy Pec  
 May 18 2007 31" 17mmT4 VF,S,R,NND,R=F

## ARP 162

NGC 3414 LMi H362-2 Galaxy S0 pec B,PL,R,MBM  
 May 15 2017 12" 7mm TV PF,PS,OVAL,MEXT,FNUC,R=G  
 Mar 04 2006 8" 11mmT6 MB,FS,OVAL,FNUC,R=G

## ARP 166

NGC 750 Tri H222-2 Galaxy E pec CB,PL,R,DW/751,25"  
 Nov 09 2004 8" 11mmT6 VF,EL,OVAL,NND,AV,R=F  
 NGC 751 Tri Galaxy E pec PF,ES,R,BM,DW/750  
 Nov 09 2004 8" 11mmT6 VF,OVAL,NND,AV,R=F

## ARP 167

NGC 2672 Cnc H48-2 Galaxy E1-2 PB,PL,IR,MBM  
 Mar 20 2007 8" 11mmT6 VF,VS,R,NND,AV,R=F  
 Mar 15 2005 8" 11mmT6 MF,ML,OVAL,PATCH,NND,R=F  
 NGC 2673 Cnc Galaxy E0 pec VF,VS,CLOSE F2672  
 Mar 17 2010 12" 11mmT6 PF,PS,R,UB,NND,R=F

## ARP 168

NGC 221 And M32 Galaxy cE2 VVB,L,R,PSMBMN  
 Jan 25 2018 12" 11mmT6 NICE OBJECT  
 Sep 02 2016 12" 35mm A SUPER  
 Dec 05 2015 12" 17mmT4  
 Aug 21 2015 12" 35mm A  
 Oct 26 2014 12" 22mmAT EYE CANDY  
 Jul 13 2013 18" 35mm A MORE EYE CANDY  
 Oct 21 2012 8" 11mmT6 PB,LOOKED PRETTY GOOD  
 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" 32mmUW M.M. 2010 MANUAL SETTING CIRCLES  
 Dec 16 2009 12" 20mmUW  
 Mar 20 2009 1.9" 12x50 MESSIER MARATHON - 2009  
 Oct 29 2008 16" 20mmUW LARGE,BRIGHT,R=E  
 Oct 29 2006 8" 19mmW F,VS,OVAL,UB,NND,R=G  
 Aug 20 2006 1.9" 12x50 B,S,OVAL,NND,R=F



# ARP Peculiar Galaxies

## ARP 168

NGC 221	And	M32	Galaxy cE2	VVB,L,R,PSMBMN
Mar 19 2006 8"	25mmPL	B,S,OVAL,OVAL,R,ND,R=F		
Oct 27 2004 31"	31mmT5	VB,ML,EL,HISB,R=E,	LUNAR ECLIPSE	
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON -	ARGO NAVIS	
Dec 26 2003 8"	25mmPL	Q/M COLD		

## ARP 169

NGC 7236	Peg		Galaxy SA0-	VF,S,STELLAR
Oct 23 2008 31"	17mmT4	CF,CS,R,FNUC,R=F		
NGC 7237	Peg		Galaxy SA0-	VF,S,STELLAR
Oct 23 2008 31"	17mmT4	F,S,R,UB,NND,R=F		

## ARP 170

NGC 7578A	Peg		Galaxy S0 <sup>^</sup> pec	VF,AM VS ST
Nov 03 2013 36"	17mmT4	PF,PS,OVAL,UB,NND,R=F,	PAIRED W/NGC-7578B	
NGC 7578B	Peg		Galaxy E1:	
Nov 03 2013 36"	17mmT4	PF,PS,R,UB,NND,R=F,	PAIRED W/NGC-7578A	

## ARP 171

IC 1042	Vir		Galaxy S0?	
May 23 2012 18"	8.8 ES	PF,PS,R,UB,NND,R=F		
NGC 5718	Vir	H550-3	Galaxy S0-:	VF,S,R,VGLBM,*8,9NF
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	

## ARP 175

IC 3481	Vir		Galaxy SAB0-: pec	
May 18 2007 31"	17mmT4	PB,PS,OVAL,UB,NND,R=F		
IC 3481A	Vir		Galaxy E pec:	
May 18 2007 31"	17mmT4	CF,VS,R,NND,AV,R=F		
IC 3483	Vir		Galaxy SAB(s)b pec:	
May 18 2007 31"	17mmT4	PF,PS,OVAL,UB,NND,R=F		

## ARP 176

NGC 4933A	Vir		Galaxy S0/a pec	
May 18 2007 31"	17mmT4	CB,PL,OVAL,BNUC,HISB,R=G		
NGC 4933B	Vir		Galaxy E pec	
May 18 2007 31"	17mmT4	PB,PS,OVAL,FNUC,MSB,R=G		

## ARP 178

NGC 5613	Boo		Galaxy (R)SAB(r)0+	EF,PS,DIF,2'N OF5614
Jun 05 2011 31"	17mmT4	CF,CS,OVAL,MEXT,UB,NND,R=F		
NGC 5614	Boo	H420-2	Galaxy SA(r)ab pec	PB,S,R,SMBM
Jun 05 2011 31"	17mmT4	PF,PS,R,BNUC,R=G		
Apr 26 2009 16"	11mmT6	CF,CS,OVAL,UB,NND,R=F		
Aug 03 2008 8"	11mmT6	VF,VS,R,NND,AV,R=F		

## ARP 181

NGC 3212	Dra	H980-3	Galaxy SB?	VF,S,2ND OF 3
Jul 13 2013 18"	7mm TV	VF,PS,OVAL,MEXT,UB,NND,R=F,	PAIRED W/NGC-3215	
NGC 3215	Dra	H981-3	Galaxy S?	VF,S,3RD OF 3
Jul 13 2013 18"	7mm TV	VF,PS,PEXT,UB,NND,R=F,	PAIRED W/NGC-3212	

## ARP 182

NGC 7674	Peg		Galaxy SA(r)bc pec	F,CS,GBM,P OF 2
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# ARP Peculiar Galaxies

## ARP 182

NGC 7674 Peg Galaxy SA(r)bc pec F,CS,GBM,P OF 2  
 Sep 09 2010 12" 5.5mmN CF,CS,R,UB,NND,R=F

## ARP 184

NGC 1961 Cam H747-3 Galaxy SAB(rs)c CF,PL,IF,MBM,ER,\*INV  
 Nov 03 2004 8" 11mmT6 VF,EL,OVAL,NND,AV,R=F

## ARP 185

NGC 6217 UMi H280-1 Galaxy (R)SB(rs)bc B,CL,LE,SLBM  
 Sep 02 2016 12" 8mm Et PF,PS,OVAL,FNUC,R=F. SQM-20.08  
 Mar 18 2007 8" 11mmT6 VF,VS,R,NND,AV,R=F

## ARP 192

NGC 3303 Leo H66-3 Galaxy Pec VF,VS,VLE,GLBM,R  
 Apr 21 2007 31" 17mmT4 PF,PL,OVAL,UB,NND,R=F

## ARP 205

NGC 3448 UMa H233-1 Galaxy I0 B,PL,ME67,GBM  
 Apr 09 2010 12" 11mmT6 PF,PS,EON,UB,NND,R=F

## ARP 206

NGC 3432 LMi H172-1 Galaxy SB(s)m sp PB,PL,VME40,\*\*NR SP  
 May 15 2017 12" 7mm TV PF,PS,EON,UB,NND,R=G  
 Mar 29 2006 8" 11mmT6 F,L,EON,NND,R=F

## ARP 210

NGC 1569 Cam H768-2 Galaxy IBm PB,S,LE,BNM,\*9.5N1'  
 Oct 12 2012 18" 7mm TV PF,PS,OVAL,PEXT,FNUC,R=G,DISTURBED NE CORNER,PA=45

## ARP 212

NGC 7625 Peg H250-2 Galaxy SA(rs)a pec PB,CS,R,SMBM  
 Sep 01 2005 8" 7.5mmW VF,VS,R,NND,AV,R=F

## ARP 213

IC 356 Cam Galaxy SA(s)ab pec  
 Oct 12 2012 18" 7mm TV F,L,OVAL,BNUC,R=G, SPIRAL ARM NORTH

## ARP 214

NGC 3718 UMa H221-1 Galaxy SB(s)a pec PB,VL,R,VGLBM  
 May 23 2012 18" 8.8 ES F,S,OVAL,MEXT,UB,NND,R=F  
 Feb 23 2006 31" 17mmT4 VB,VL,OVAL,BNUC,HISB,R=G

## ARP 215

NGC 2782 Lyn H167-1 Galaxy SAB(rs)a pec CB,R,MBMBN  
 Mar 13 2007 8" 11mmT6 PF,PS,OVAL,NND,AV,R=F

## ARP 216

NGC 7679 Psc Galaxy SB0 pec: PB,S,R,MBMN,STELL  
 Oct 09 2007 8" 11mmT6 VF,VS,R,NND,AV,R=F

## ARP 217

NGC 3310 UMa H60-4 Galaxy SAB(r)bc pec CB,PL,R,VG,VSMBMBN  
 Mar 13 2007 8" 11mmT6 CB,PS,R,FNUC,R=G

## ARP 222

NGC 7727 Aqr H111-1 Galaxy SAB(s)a pec PB,PL,IR,MBM  
 Oct 06 2004 8" 11mmT6 MB,OVAL,FNUC,R=G

## ARP 223

NGC 7585 Aqr H236-2 Galaxy (R')SA(s)0+ pec PB,PS,IR,GBM  
 Sep 05 2007 8" 11mmT6 PF,PS,OVAL,FNUC,R=F

# ARP Peculiar Galaxies

## ARP 225

NGC 2655 Cam H288-1 Galaxy SAB(s)0/a VB,CL,LE90,GSVMBM  
 Oct 06 2004 8" 7.5mmW MB,EL,EON,FNUC,R=G

## ARP 226

NGC 7252 Aqr H458-3 Galaxy (R)SA(r)0^: F,S,R,ER  
 Sep 05 2007 8" 11mmT6 PF,PS,OVAL,NND,AV,R=F

## ARP 227

NGC 470 Psc H250-3 Galaxy SA(rs)b PB,L,IR  
 Oct 09 2007 8" 11mmT6 PB,PS,OVAL,NND,R=F  
 NGC 474 Psc H251-3 Galaxy SA(s)0^ PB,S,SMBM,F OF 2  
 Oct 09 2007 8" 11mmT6 PF,PL,R,NND,R=F

## ARP 229

NGC 507 Psc H159-3 Galaxy SA(r)0^ VF,PL,R,BM,S OF 2  
 Oct 30 2005 31" 17mmT4 VB,VL,R,FNUC,MSB,R=G  
 NGC 508 Psc H160-3 Galaxy E0: VF,S,N OF 2  
 Oct 30 2005 31" 17mmT4 VB,VL,R,FNUC,MSB,R=G

## ARP 232

NGC 2911 Leo H40-2 Galaxy SA(s)0: pec F,PL,R,GBM,P OF 2  
 Mar 16 2010 12" 11mmT6 CF,CS,OVAL,UB,NND,R=F

## ARP 234

NGC 3738 UMa H783-2 Galaxy Im PB,PL,BM  
 Jun 22 2012 18" 8.8 ES B,PS,OVAL,MEXT,UB,NND,R=F

## ARP 235

NGC 14 Peg H591-2 Galaxy (R)IB(s)m pec VF,PS,R,GLBM  
 Oct 30 2008 16" 17mmT4 F,VS,R,NND,R=F  
 Oct 06 2004 8" 11mmT6 EF,EL,EON,NND,AV,R=F

## ARP 240

NGC 5257 Vir H895-2 Galaxy SAB(s)b pec VF,S,R,BM,P OF DNEB  
 May 23 2012 18" 8.8 ES PF,CS,OVAL,MEXT,FNUC,R=G,PA=135, PAIRED WITH NGC-5258, NO INTERATION VISIBLE  
 NGC 5258 Vir H896-2 Galaxy SA(s)b: pec F,S,IR,F OF DNEB  
 May 23 2012 18" 8.8 ES PF,PS,OVAL,MEXT,FNUC,R=G,PA=45, PAIRED W/NGC-5257, NO INTERATION VISIBLE

## ARP 244

NGC 4038 Crv H28.1-4 Galaxy SB(s)m pec PB,CL,R,VGBM  
 Apr 14 2016 12" 8mm Ds PF,PS,UB,NND, NOT MUCH TO SEE IN MOON AND LOW HORIZON  
 Apr 19 2007 31" 17mmT4 PB,CL,OVAL,UB,NND,R=G  
 Apr 13 2005 8" 7.5mmW VF,VS,NND,AV,R=F  
 NGC 4039 Crv H28.2-4 Galaxy SA(s)m pec PF,PL  
 Apr 14 2016 12" 8mm Ds PF,PS,UB,NND, NOT MUCH TO SEE IN MOON AND LOW HORIZON  
 Apr 19 2007 31" 17mmT4 PB,CL,OVAL,UB,NND,R=G  
 Apr 13 2005 8" 7.5mmW VF,VS,NND,AV,R=F

## ARP 245

NGC 2992 Hya H277-3 Galaxy Sa pec CF,S,R,BM,STEL,P OF 2  
 Apr 08 2005 8" 7.5mmW VF,VS,EL,EON,NND,AV,R=F  
 NGC 2993 Hya H278-3 Galaxy Sa pec CF,S,R,BM,STEL,F OF 2  
 Apr 08 2005 8" 7.5mmW VF,VS,OVAL,NND,AV,R=F

## ARP 248

PGC 36723 Vir Galaxy SAB(rs)b? pec  
 May 18 2007 31" 17mmT4 PF,PS,OVAL,NND,R=P

# ARP Peculiar Galaxies

## ARP 248

PGC 36733 Vir Galaxy SB(s)b: pec  
 May 18 2007 31" 17mmT4 PB,PS,EL,OVAL,NND,R=F  
 PGC 36742 Vir Galaxy SB(s)c pec  
 May 18 2007 31" 17mmT4 VF,VS,OVAL,NND,AV,R=F

## ARP 249

PGC 25 Peg Galaxy Double System  
 Sep 19 2014 18" 8mm Ds VF,VS,OVAL,MEXT,NND,R=F, WRO - 9/13/14

## ARP 258

PGC 10044 Ari Galaxy IB(s)m pec  
 Oct 25 2006 31" 17mmT4 PF,PS,OVAL,NND,R=F  
 PGC 10046 Ari Galaxy SB0/a: sp  
 Oct 25 2006 31" 17mmT4 PB,S,EON,FNUC,R=G

## ARP 263

NGC 3239 Leo H10-4 Galaxy IB(s)m pec VF,\*9INV NR M  
 Apr 21 2007 31" 17mmT4 DIFF,PF,CL,OVAL,NND,R=F

## ARP 266

NGC 4861 CVn H30-4 Galaxy SB(s)m: VF,PL,VME30,BET2ST  
 Apr 06 2010 12" 11mmT6 PF,PS,EON,NND,AV,R=F

## ARP 269

NGC 4485 CVn H197-1 Galaxy IB(s)m pec B,PS,IR,NP OF 2  
 Mar 29 2006 8" 11mmT6 PF,PS,R,NND,R=F  
 NGC 4490 CVn H198-1 Galaxy SB(s)d pec VB,VL,ME130,R,SF OF2  
 Mar 29 2006 8" 11mmT6 F,S,OVAL,FNUC,R=F  
 Apr 14 2004 8" 25mmPL CLEAR NIGHT - MEGASTAR CONTROL

## ARP 270

NGC 3395 LMi H116-1 Galaxy SAB(rs)cd pec: CB,PS,ILE,1ST OF 2  
 May 15 2017 12" 7mm TV VF,PS,OVAL,MEXT,UB,NND,R=G. PAIRED W/NGC3396  
 Mar 29 2006 8" 11mmT6 PF,PS,EL,OVAL,NND,R=F  
 Mar 04 2006 8" 11mmT6 VF,VS,R,NND,R=F  
 NGC 3396 LMi H117-1 Galaxy IBm pec PB,PS,ILE,2ND OF 2  
 May 15 2017 12" 7mm TV VF, PS,OVAL,MEXTG,UB,NND,R=F. PAIRED W/NGC3395  
 Mar 29 2006 8" 11mmT6 PF,VS,R,NND,R=F  
 Mar 04 2006 8" 11mmT6 VF,PS,OVAL,NND,R=F

## ARP 271

NGC 5426 Vir H309-2 Galaxy SA(s)c pec PF,CL,R,GMBM,SP OF 2  
 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  
 NGC 5427 Vir H310-2 Galaxy SA(s)c pec PF,CL,R,NF OF 2  
 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

## ARP 274

NGC 5679A Vir Galaxy Sc  
 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

## ARP 277

NGC 4809 Vir Galaxy Im pec F,DNEB W/4810

# ARP Peculiar Galaxies

## ARP 277

NGC 4809	Vir		Galaxy Im pec	F,DNEB W/4810
May 18 2007 31"	17mmT4	CF,PL,EON,NND,R=F		
NGC 4810	Vir		Galaxy Im pec	F,DNEB W/4809
May 18 2007 31"	17mmT4	PF,PS,OVAL,NND,R=F		

## ARP 278

NGC 7253A	Peg		Galaxy SB?	VF,PE
Oct 23 2008 31"	17mmT4	CF,CS,EON,UB,NND,R=F		
NGC 7253B	Peg		Galaxy S?	
Oct 23 2008 31"	17mmT4	F,CS,EON,NND,R=F		

## ARP 281

NGC 4627	CVn	H659-2	Galaxy E4 pec	F,S,R,NP OF 2
May 04 2005 8"	19mmW	MF,VS,OVAL,NND,R=F		
NGC 4631	CVn	H42-5	Galaxy SB(s)d sp	VB,VL,EE70,BMN,*ATTN
May 04 2005 8"	19mmW	MB,ML,EL,EON,FNUC,R=G		

## ARP 282

NGC 169	And		Galaxy SA(s)ab: sp	F,PL,D ORBIN,*6NF4'
Oct 17 2004 8"	7.5mmW	VF,EL,NND,AV,R=F		

## ARP 286

NGC 5560	Vir	H579-2	Galaxy SB(s)b pec	PF,CL,E,GBM
May 30 2016 12"	8mm Ds	PF,PS,VEXT,NND,R=G		
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		
NGC 5566	Vir	H144-1	Galaxy SB(r)ab	B,PL,R,PSBM,R,*F1.5'
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		
NGC 5569	Vir		Galaxy SAB(rs)cd:	EF,PL,R
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		

## ARP 288

NGC 5221	Vir	H86-3	Galaxy Sb:	VF,S,VLE,1ST OF 3
May 23 2012 18"	8.8 ES	PF,PS,EON,FNUC,MSB,R=F,PA=120		
NGC 5222	Vir	H85-3	Galaxy E	CF,S,R,BM,2ND OF 3
May 23 2012 18"	8.8 ES	VF,CS,OVAL,MEXT,UB,,NND,AV2,R=F,PA=50		

## ARP 297

NGC 5753	Boo		Galaxy	F,BM,NP5754
Jun 05 2011 31"	17mmT4	PF,PS,R,FNUC,HSB,R=G		
NGC 5754	Boo	H687-3	Galaxy SB(rs)b	CF,CS,R,BM
Jun 05 2011 31"	17mmT4	PF,S,R,FNUC,HSB,R=G		

## ARP 298

NGC 7469	Peg	H230-3	Galaxy (R')SAB(rs)a	VF,VS,VSMBM *12
Oct 05 2016 12"	8mm Et	PF,PS,OVAL,UB,NND,R=F		
Sep 19 2004 8"	7.5mmW	B,OVAL,NUC,R=G		

## ARP 299

IC 694	UMa		Galaxy SBm? pec	
Jun 22 2012 18"	8.8 ES	PF,PS,R,UB,NND,R=F,PAIRED W/NGC-3690		

# ARP Peculiar Galaxies

## ARP 299

NGC 3690 UMa H247-1 Galaxy IBm pec PB,PS,VLE80,PGBM  
 Jun 22 2012 18" 8.8 ES PF,PS,OVAL,UB,NND,R=F,PAIRED W/IC-694

## ARP 304

NGC 1241 Eri H286-2 Galaxy SB(rs)b F,PL,R,VGLBM,\*9N  
 Jan 26 2006 8" 11mmT6 DIFF,VF,MS,OVAL,NND,R=F

## ARP 307

NGC 2872 Leo H57-2 Galaxy E2 PF,PS,R,BM  
 Mar 08 2010 12" 7.5mmW CF,CS,R,NND,R=F  
 May 13 2007 8" 7.5mmW VF,VS,R,NND,AV,R=F

## ARP 316

NGC 3187 Leo Galaxy SB(s)c pec VF,E  
 Apr 15 2007 31" 17mmT4 PB,L,EL,OVAL,NND,R=G  
 NGC 3190 Leo H44-2 Galaxy SA(s)a pec sp B,PS,E,PSBMN  
 Apr 15 2007 31" 17mmT4 VB,PL,EON,BNUC,HISB,R=G  
 Apr 26 2006 8" 11mmT6 F,PS,EL,OVAL,NND,R=F  
 Apr 05 2005 8" 11mmT6 MF,ML,EL,EON,FNUC,R=G  
 NGC 3193 Leo H45-2 Galaxy E2 B,S,VLE,PSLBM,\*9NF  
 Apr 15 2007 31" 17mmT4 VB,L,R,BNUC,HISB,R=G  
 Apr 26 2006 8" 11mmT6 PF,PS,R,NND,R=F  
 Apr 14 2004 8" 25mmPL CLEAR NIGHT - MEGASTAR CONTROL

## ARP 317

NGC 3623 Leo M65 Galaxy SAB(rs)a B,VL,ME165,GBMBN  
 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 15 2007 31" 32mmUW VB,VL,EON,BNUC,HISB,R=E  
 Mar 10 2007 1.9" 12x50 VF,PS,OVAL,NND,AV,R=F  
 Mar 19 2006 8" 19mmW PB,L,EL,OVAL,FNUC,R=G  
 May 12 2004 8" 25mmPL L.P. LOUSY-MAG. 9.5 TOPS! MSV5  
 Mar 19 2004 8" 25mmPL 2004 MESSIER MARATHON - ARGO NAVIS  
 Feb 25 2004 8" 25mmPL 1ST. QTR.  
 NGC 3628 Leo H8-5 Galaxy Sb pec sp PB,VL,VME102  
 Apr 26 2006 8" 11mmT6 PF,CL,EON,NND,R=F  
 May 12 2004 8" 25mmPL L.P. LOUSY-MAG. 9.5 TOPS! MSV5  
 Apr 14 2004 8" 25mmPL CLEAR NIGHT - MEGASTAR CONTROL

## ARP 319

NGC 7317 Peg Galaxy E4 VF,VS  
 Sep 02 2016 12" 5.5mmN VF,CS,R,NND,AV,R=P  
 Sep 10 2015 12" 7mm TV 1ST OBJECT AT WRO WITH 12AD, VF,VS,R=F  
 Jul 13 2013 18" 5mm TV STEPHAN'S QUINTET  
 Oct 12 2012 36" 17mmT4 DIRECT VISION WITH BRIGHT CORE - 1ST VIEW W/36"  
 Oct 10 2012 36" 17mmT4 STEPHEN'S QUINTET - GALAXY 1. BRIGHT NUCLEUS  
 Aug 06 2010 12" 7mm TV VF,CS,R,NND,AV,R=F  
 Oct 06 2004 31" 17mmT4 MB,EL,OVAL,FNUC,R=G  
 NGC 7318A Peg Galaxy E2 pec EF,ES  
 Sep 02 2016 12" 5.5mmN EF,CS,R,NND,R=F

# ARP Peculiar Galaxies

## ARP 319

NGC 7318A	Peg		Galaxy E2 pec	EF,ES
Sep 10 2015 12"	7mm TV	VF,VS,R=F		
Jul 13 2013 18"	5mm TV	STEPHAN'S QUINTET		
Oct 12 2012 36"	17mmT4	DIRECT VISION WITH BRIGHT CORE - 1ST VIEW W/36"		
Aug 06 2010 12"	7mm TV	EF,CS,R,NND,R=P		
Oct 06 2004 31"	17mmT4	MB,EL,OVAL,FNUC,R=G		

NGC 7318B	Peg		Galaxy SB(s)bc pec	EF,ES
Sep 02 2016 12"	5.5mmN	VF,CS,OVAL,NND,AV,R=F		
Sep 10 2015 12"	7mm TV	VF,VS,R=F		
Oct 12 2012 36"	17mmT4	DIRECT VISION WITH BRIGHT CORE - 1ST VIEW W/36"		
Oct 06 2004 31"	17mmT4	MB,EL,OVAL,FNUC,R=G		
Aug 06 2010 12"	7mm TV	VF,CS,R,NND,AV,R=P		
Jul 13 2013 18"	5mm TV	STEPHAN'S QUINTET		

NGC 7319	Peg		Galaxy SB(s)bc pec	EF,ES
Sep 02 2016 12"	5.5mmN	CF,PS,OVAL,UB,NND,R=F		
Sep 10 2015 12"	7mm TV	VF,VS,R=F		
Jul 13 2013 18"	5mm TV	STEPHAN'S QUINTET		
Oct 12 2012 36"	17mmT4	DIRECT VISION WITH BRIGHT CORE - 1ST VIEW W/36"		
Aug 06 2010 12"	7mm TV	CF,PS,OVAL,UB,NND,R=F		
Oct 06 2004 31"	17mmT4	MB,EL,OVAL,FNUC,R=G		

NGC 7320	Peg		Galaxy SA(s)d	F,VS
Sep 02 2016 12"	5.5mmN	CF,PS,OVAL,UB,NND,R=F		
Sep 10 2015 12"	7mm TV	VF,VS,R=F		
Jul 13 2013 18"	5mm TV	STEPHAN'S QUINTET		
Oct 12 2012 36"	17mmT4	DIRECT VISION WITH BRIGHT CORE - 1ST VIEW W/36"		
Aug 06 2010 12"	7mm TV	CF,PS,OVAL,UB,NND,R=F		
Oct 06 2004 31"	17mmT4	MB,EL,OVAL,NND,R=G		
Sep 15 2004 8"	7.5mmW	B,EL,FNUC,HISB,R=G		

## ARP 322

PGC 35609	UMa		Galaxy SB0 pec:	
Feb 23 2006 31"	17mmT4	FF,PS,OVAL,NND,R=F		
PGC 35615	UMa		Galaxy SA(s)0/a pec:	
Feb 23 2006 31"	17mmT4	PB,FS,R,NND,R=G		
PGC 35618	UMa		Galaxy (R')S0/a pec:	
Feb 23 2006 31"	17mmT4	PB,FS,OVAL,FNUC,MSB,R=G		
PGC 35620	UMa		Galaxy Sa pec sp	
Feb 23 2006 31"	17mmT4	PB,FS,OVA,FNUC,MSB,R=G		
PGC 35631	UMa		Galaxy S?	
Feb 23 2006 31"	17mmT4	PF,PL,EON,NND,R=F		

## ARP 333

NGC 1024	Ari	H592-2	Galaxy (R')SA(r)ab	PF,S,LE,BM,*11NF 1'
Sep 04 2005 8"	11mmT6	MF,ML,OVAL,NND,AV,R=F		

## ARP 335

NGC 3509	Leo	H598-3	Galaxy SA(s)bc pec	EF,S,(LE)
Apr 19 2007 31"	17mmT4	B,PL,EL,OVAL,FNUC,MHISB,R=G		

## ARP 336

NGC 2685	UMa		Galaxy (R)SB0+ pec	PF,R,F*INCENTRE
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# ARP Peculiar Galaxies

## ARP 336

NGC 2685	UMa		Galaxy (R)SB0+ pec	PF,R,F*INCENTRE
Mar 04 2006 8"	11mmT6	PF,PS,OVAL,NND,R=F		

## ARP 337

NGC 3034	UMa	M82 H79-4	Galaxy I0 sp	VB,VL,VME(RAY)
Jul 25 2017 12"	11mmT6	NOT BAD		
May 14 2017 12"	11mmT6	EXCELLENT		
Jul 01 2016 12"	8mm Et	EYE CANDY		
Apr 14 2016 12"	8mm Ds	F,S,PEXT,NND,R=G,BRIGHT KNOT ON ONE END.		
Sep 19 2014 12"	17mmAT	5-DAYS AFTER NEW - SIGHTSEEING, HOME - 8/15/14		
Mar 30 2014 28"	17mmAT	SUPER NOVA IN M-82. NEAT TO SEE. M-82 LOOKED GREAT WITH THE DUST LANES		
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 08 2007 1.9"	12x50	FB,FS,OVAL,NND,R=F		
Aug 20 2006 1.9"	12x50	PB,L,OVAL,FNUC,R=G		
Mar 19 2006 8"	19mmW	PB,PL,EON,FNUC,R=G		
May 04 2005 8"	19mmW	VB,ML,EL,EON,BNUC,VHISB,R=E!		
Apr 14 2004 31"	17mmT4	CLEAR NIGHT - MEGASTAR CONTROL		
Apr 05 2004 8"	25mmPL	FULLMOON - **MEGASTAR CONTROL**		
Mar 19 2004 8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Feb 28 2004 8"	25mmPL	COMPTER = ARGO NAVIS		
Dec 30 2003 8"	25mmPL	H/M COLD		