

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
 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
 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

ARP Peculiar Galaxies

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

ARP Peculiar Galaxies

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		

ARP Peculiar Galaxies

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
Apr 20 2018 12"	11mmT6			
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 20 2018 12"	11mmT6			
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		

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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

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

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ARP 113

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*
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 20 2018 12"	11mmT6			
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
Apr 20 2018 12"	11mmT6			
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
Apr 20 2018 12"	11mmT6			
May 14 2017 12"	11mmT6	F,PS,EON,FNUC,R=E		
Apr 26 2006 8"	11mmT6	F,PL,EL,OVAL,NND,R=F		

ARP Peculiar Galaxies

ARP 120

NGC 4438 Vir H28-1 Galaxy SA(s)0/a pec: B,CL,VLE,R,SF OF 2
 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

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" 7mmTV 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 - ARGONAVIS
 Mar 13 2004 8" 25mmPL COMPUTER = ARGONAVIS

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" 7mmTV 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" 7mmTV 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.

ARP Peculiar Galaxies

ARP 152

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

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		

ARP Peculiar Galaxies

ARP 168

NGC 221	And	M32	Galaxy cE2	VVB,L,R,PSMBMN
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		
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 - ARGONAVIS		
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 [^] 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		

ARP Peculiar Galaxies

ARP 178

NGC 5614 Boo H420-2 Galaxy SA(r)ab pec PB,S,R,SMBM
 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
 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 IO 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 Peculiar Galaxies

ARP 217

NGC 3310 UMa H60-4 Galaxy SAB(r)bc pec CB,PL,R,VG,VSMBMN
 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 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 20 2018 12" 11mmT6

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 20 2018 12" 11mmT6

ARP Peculiar Galaxies

ARP 244

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 OF2
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 OF2
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		
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
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ARP Peculiar Galaxies

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
 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 Peculiar Galaxies

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		
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
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		
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 - ARGONAVIS		
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		

ARP Peculiar Galaxies

ARP 317

NGC 3628 Leo H8-5 Galaxy Sb pec sp PB,VL,VME102
 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
 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
 Jul 13 2013 18" 5mm TV STEPHAN'S QUINTET
 Aug 06 2010 12" 7mm TV VF,CS,R,NND,AV,R=P
 Oct 06 2004 31" 17mmT4 MB,EL,OVAL,FNUC,R=G
 Oct 12 2012 36" 17mmT4 DIRECT VISION WITH BRIGHT CORE - 1ST VIEW W/36"
 Sep 10 2015 12" 7mm TV VF,VS,R=F

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

ARP Peculiar Galaxies

ARP 322

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
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)
Apr 20 2018 12" 11mmT6
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