

Abell 2151

IC 1170 May 18 2009 31" Mar 29 2006 31"	Her Galaxy L 17mmT4 MB,MS,OVAL,NND,AGC 2151,R=F 17mmT4 VF,PS,PATCH,UB,NND,COMP=6041A,AGC 2151,R=F
IC 1173 Mar 29 2006 31"	Her Galaxy S 17mmT4 DIF,PF,MS,OVAL,UB,NND,AGC 2151,R=F
IC 1178 Mar 29 2006 31"	Her Galaxy S0- pec? 17mmT4 MF,MS,EL-OVAL,FLNUC,INTRACT=IC1181,AGC 2151,R=F
IC 1179 May 19 2009 31" Mar 29 2006 31"	Her Galaxy SB(rs)cd 17mmT4 MF,ML,OVAL,PATCH,UB,NND,L OVAL,COMP=6050,CANNOT SEP,AGC 2151,R=F 17mmT4 DIF,PF,ML,OVAL,PATCH,UB,NND,INTRACT=6050,AGC 2151,APPEAR AS ONE,R=F
IC 1181 Mar 29 2006 31"	Her Galaxy S0- pec? 17mmT4 PF,PS,EL-OVAL,FSNUC,INTRACT=IC1178,AGC 2151,R=F
IC 1182 Mar 29 2006 31"	Her Galaxy SA0+ pec 17mmT4 PF,MS,OVAL,FLNUC,AGC 2151,R=F
IC 1183 Mar 29 2006 31"	Her Galaxy SAB0- 17mmT4 PF,MS,OVAL,FLNUC,AGC 2151,R=F
IC 1185 Mar 29 2006 31"	Her Galaxy SA(rs)ab: 17mmT4 MF,MS,OVAL,BLNUC,BM,SHISB CNTR,AGC 2151,R=F
IC 1186 May 19 2009 31"	Her Galaxy SB(r)b 17mmT4 PF,PL,OVAL,PATCH,UB,NND,AGC 2151,R=F
IC 1188 May 19 2009 31"	Her Galaxy 17mmT4 PF,MS,OVAL,PATCH,VFNUC,AGC 2151,R=F
IC 1192 Mar 16 2010 31"	Her Galaxy Sb sp 17mmT4 VF,PS,PATCH,UB,NND,AGC 2151,R=P
IC 1193 Mar 16 2010 31"	Her Galaxy SAB(s)0+ 17mmT4 VF,PS,OVAL,FLNUC,AGC 2151,R=F
IC 1194 Mar 16 2010 31"	Her Galaxy SA(s)0+ pec 17mmT4 PF,PS,OVAL,BSNUC,AGC 2151,R=F
MAC 1603+1735 May 18 2009 31"	Her Galaxy 17mmT4 EF,VS,PATCH,AV TOOK A WHILE THEN HOLDS BRIEFLY,AGC 2151,R=P
MAC 1603+1745 May 18 2009 31"	Her Galaxy 17mmT4 EF,PS,PATCH,AV COMES AND GOES,B* CLOSE BY,AGC 2151,R=P
MAC 1603+1755 May 18 2009 31"	Her Galaxy 17mmT4 EF,VS,PATCH,AV ONLY A FEW TIMES,AGC 2151,R=P
MAC 1604+1718 May 19 2009 31"	Her Galaxy 17mmT4 EF,VS,PATCH,AV ONLY ONCE,AGC 2151,R=P
MAC 1604+1725 May 18 2009 31"	Her Galaxy 17mmT4 EF,VS,PATCH,AV COMES AND GOES,AGC 2151,R=P

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MAC 1604+1726 May 18 2009 31"	Her	Galaxy 17mmT4 EF,PS,PATCH,TOOK AV LONG TIME THEN HOLDS,AGC 2151,R=P
MAC 1604+1731 May 18 2009 31"	Her	Galaxy 17mmT4 EF,VS,PATCH,AV MAYBE,SUSP,AGC 2151,R=P
MAC 1604+1738 Mar 29 2006 31"	Her	Galaxy 17mmT4 EF,VSPATCH,NND,AV FIRST THEN HOLDS,AGC 2151,R=P
MAC 1604+1741 May 18 2009 31" Mar 29 2006 31"	Her	Galaxy 17mmT4 PF,PS,PATCH,NND,AGC 2151,R=P 17mmT4 EF,VS,PATCH,UB,NND,AGC 2151,R=P
MAC 1604+1744 May 19 2009 31"	Her	Galaxy 17mmT4 EF,VS,PATCH,AV TOOK A WHILE,AGC 2151,R=P
MAC 1604+1745 May 18 2009 31"	Her	Galaxy 17mmT4 EF,VS,PATCH,AV ONCE,AGC 2151,R=P
MAC 1604+1748 May 18 2009 31"	Her	Galaxy 17mmT4 EF,VS,PATCH,AV COMES AND GOES,VF* OFF SIDE,AGC 2151,R=P
MAC 1604+1748A May 18 2009 31"	Her	Galaxy 17mmT4 EF,VS,PATCH,AV TOOK A WHILE,AGC 2151,R=P
MAC 1604+1749 May 18 2009 31"	Her	Galaxy 17mmT4 VF,PS,PATCH,AV,AGC 2151,R=P
MAC 1604+1750 May 18 2009 31"	Her	Galaxy 17mmT4 VF,PS,PATCH,AGC 2151,R=P
MAC 1604+1759 May 18 2009 31"	Her	Galaxy 17mmT4 EF,VS,PATCH,UB,NND,AV,AGC 2151,R=P
MAC 1604+1802 May 18 2009 31"	Her	Galaxy 17mmT4 VF,VS,PATCH,V CLOSE COMP=PGC56973,CAN BARELY SEP,AGC 2151,R=P
MAC 1604+1805 May 18 2009 31"	Her	Galaxy 17mmT4 EF,VS,PATCH,SUSP,AGC 2151,R=P
MAC 1604+1806 May 19 2009 31"	Her	Galaxy 17mmT4 EF,VS,PATCH,AV ONLY ONCE OR TWICE,AGC 2151,R=P
MAC 1604+1807 May 18 2009 31"	Her	Galaxy 17mmT4 EF,VS,PATCH,TOOK A LONG TIME FOR AV,AGC 2151,R=P
MAC 1604+1808 May 18 2009 31"	Her	Galaxy 17mmT4 EF,VS,EL,PATCH,2VF*S OFF EDGE,AGC 2151,R=P
MAC 1604+1811 May 19 2009 31"	Her	Galaxy 17mmT4 EF,VS,PATCH,AV ONLY ONCE OR TWICE,AGC 2151,R=P
MAC 1605+1719 Mar 16 2010 31"	Her	Galaxy 17mmT4 EF,VS,PATCH,TOOK AV A WHILE,COMES AND GOES,AGC 2151,R=P
MAC 1605+1720	Her	Galaxy

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MAC 1605+1720 May 19 2009 31"	Her	Galaxy
	17mmT4	EF,ES,PATCH,AV TOOK A WHILE TO HOLD,AGC 2151,R=P
MAC 1605+1722 May 19 2009 31"	Her	Galaxy
	17mmT4	EF,VS,PATCH,AV TOOK A WHILE,HOLDS ON AND OFF,AGC 2151,R=P
MAC 1605+1735A Mar 29 2006 31"	Her	Galaxy
	17mmT4	EF,VS,PATCH,AV,COMES AND GOES,SUSP,AGC 2151,R=P
MAC 1605+1735B May 19 2009 31"	Her	Galaxy
	17mmT4	EF,ES,PATCH,AV ONLY A FEW TIMES,AGC 2151,R=P
MAC 1605+1736 Mar 29 2006 31"	Her	Galaxy
	17mmT4	VF,VS,PATCH,AGC 2151,R=P
MAC 1605+1738 May 19 2009 31"	Her	Galaxy
	17mmT4	EF,VS,PATCH,AV TOOK A WHILE,COMES AND GOES,AGC 2151,R=P
MAC 1605+1740 May 19 2009 31"	Her	Galaxy
	17mmT4	EF,VS,PATCH,AV TOOK A LONG TIME,COMES AND GOES,HOLDS AT TIMES,AGC 2151,R=P
MAC 1605+1741 May 19 2009 31"	Her	Galaxy
	17mmT4	EF,VS,PATCH,AV TOOK A LONG TIME,COMES AND GOES,HOLDS AT TIMES,AGC 2151,R=P
MAC 1605+1743 May 19 2009 31"	Her	Galaxy
	17mmT4	EF,VS,PATCH,CLOSE TO F*,AGC 2151,R=F
MAC 1605+1744A May 19 2009 31"	Her	Galaxy
	17mmT4	EF,VS,PATCH,AV TOOK A WHILE,AGC 2151,R=P
MAC 1605+1744B May 19 2009 31"	Her	Galaxy
	17mmT4	VF,VS,UB,NND,ON EDGE OF IC1179 AND 6050,CANNOT SEP THE 3,AGC 2151,R=P
MAC 1605+1745 Apr 26 2006 31"	Her	Galaxy
	17mmT4	EF,VS,PATCH,AV,SUSP,JUST OFF TIP OF 6045,ATTACHED,BARELY SUSP WITH AV,PAIRS,R=P
MAC 1605+1747A May 19 2009 31"	Her	Galaxy
	17mmT4	VF,PS,PATCH,UB,NND,AGC 2151,R=P
MAC 1605+1748 May 19 2009 31"	Her	Galaxy
	17mmT4	EF,VS,PATCH,SUSP,AGC 2151,R=P
MAC 1605+1752 May 19 2009 31"	Her	Galaxy
	17mmT4	VF,VS,PATCH,* V CLOSE OR ON EDGE,AGC 2151,R=P
MAC 1605+1756 Mar 29 2006 31"	Her	Galaxy
	17mmT4	EF,ES,PATCH,STELL LIKE OR VF* ON EDGE,AGC 2151,R=P
MAC 1605+1804 May 19 2009 31"	Her	Galaxy
	17mmT4	VF,PS,PATCH,NND,AGC 2151,R=F
MAC 1605+1805 May 19 2009 31"	Her	Galaxy
	17mmT4	VF,VS,PATCH,AGC 2151,R=P

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MAC 1605+1810A	Her	Galaxy	
May 19 2009 31"	17mmT4	EF,VS,PTCH,AV HARD TO HOLD,AGC 2151,R=P	
MAC 1606+1736	Her	Galaxy	
May 19 2009 31"	17mmT4	VF,VS,PATCH,LOC IN BARRON AREA,AGC 2151,R=P	
MAC 1606+1741A	Her	Galaxy	
May 19 2009 31"	17mmT4	EF,ES,PATCH,AV ONLY ONCE,AGC 2151,R=P	
MAC 1606+1741B	Her	Galaxy	
Mar 16 2010 31"	17mmT4	EF,VS,PATCH,UB,NND,AV FIRST THEN HOLDS,AGC 2151,R=P	
MAC 1606+1743	Her	Galaxy	
Mar 16 2010 31"	17mmT4	VF,PS,OVVAL,UB,NND,AGC 2151,R=F	
MAC 1606+1746	Her	Galaxy	
Mar 16 2010 31"	17mmT4	VF,VS,PATCH,UB,NND,AGC 2151,R=P	
MAC 1606+1750	Her	Galaxy	
Mar 16 2010 31"	17mmT4	VF,VS,PATCH,AV FIRST THEN HOLDS,NND,AGC 2151,R=P	
MAC 1606+1802	Her	Galaxy	
May 19 2009 31"	17mmT4	VF,VS,PATCH,NND,AGC 2151,R=P	
MAC 1607+1733	Her	Galaxy	
Mar 16 2010 31"	17mmT4	EF,VS,PATCH,AGC 2151,R=P	
MAC 1607+1749	Her	Galaxy	
Mar 17 2010 31"	17mmT4	EF,PS,PATCH,TOOK AV A WHILE TO FIND THEN HOLDS,AGC 2151,R=P	
NGC 6039	Her	Galaxy SA0+ pec	EDIF,VF,VS,4F*S TGT TO S,NND,CLOSE COMP/6040A
May 18 2009 31"	17mmT4	MB,MS,OVVAL,BSNUC,*NUC,TIGHT CORE,INTRACT=6040,AGC 2151,R=G	
Mar 29 2006 31"	17mmT4	MF,VS,R,UB,NND,COMP=6040A,AGC 2151,R=F	
Feb 27 1982 12.5"	16mm		
NGC 6040	Her	Galaxy SAB(s)c	EDIF,VF,VS,SIMILAR TO 6039,NND,CLOSE COMP 6040B
May 18 2009 31"	17mmT4	MB,ML,EL,NND,INTRACT=6039,AGC 2151,R=G	
Mar 29 2006 31"	17mmT4	MF,MS,EL-EDGE ON,UB,NND,COMP=6040B,AGC 2151,R=F	
Feb 27 1982 12.5"	16mm		
NGC 6041A	Her	Galaxy SB0^	MF,MS,EL,VFSNUC,PATCHY,COMP=IC1170,AGC 2151,R=F
Mar 29 2006 31"	17mmT4		
NGC 6041B	Her	Galaxy SB0-	VF,ES,PATCH,*NUC,ALM *,COMP=IC1170,ON EDGE OF 1C1170,AGC 2151,R=P
May 18 2009 31"	17mmT4	MB,PL,EL,FSNUC,ANOTHER INTRACT GLXY STUCK TO END,AGC 2151,R=G	
Mar 29 2006 31"	17mmT4		
NGC 6042	Her	Galaxy SA0-	MF,PS,R,FLNUC,AGC 2151,R=F
May 18 2009 31"	17mmT4	MB,MS,FSNUC,AGC 2151,R=F	
Mar 29 2006 31"	17mmT4		
NGC 6043A	Her	Galaxy SB0	MF,PS,OVVAL,UB,NND,AGC 2151,R=F
Mar 29 2006 31"	17mmT4		
NGC 6044	Her	Galaxy SA0^	

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NGC 6044	Her	Galaxy SA0[^]	<small>SEE PLATE 1028 P</small>
May 18 2009 31"	17mmT4	MB,MS,R,BLNUC,SHISB CNTR,BM,AGC 2151,R=F	
Mar 29 2006 31"	17mmT4	MF,PS,R,FSNUC,AGC 2151,R=F	
NGC 6045	Her	Galaxy SB(s)c sp	<small>SEE PLATE 1028 C</small>
Apr 26 2006 31"	17mmT4	PF,MS,EDGE ON,UB,NND,PAIRS=NGC'S/MAC,R=F	
Mar 29 2006 31"	17mmT4	MF,MS,EDGE ON,PATCH,UB,NND,AGC 2151,R=F	
NGC 6047	Her	Galaxy E+	<small>SEE PLATE 1028 N</small>
Apr 26 2006 31"	17mmT4	PF,PS,F* ON EDGE,FLNUC,PAIRS=NGC'S/MAC,R=F	
Mar 29 2006 31"	17mmT4	MF,PS,R,FLNUC,* OFF EDGE,SHISB CNTR,AGC 2151,R=F	
NGC 6050	Her	Galaxy SA(s)c	<small>SEE PLATE 1028 C</small>
May 19 2009 31"	17mmT4	MF,ML,OVAL,PATCH,UB,NND,L OVAL,COMP=IC1179,CANNOT SEP,AGC 2151,R=F	
Mar 29 2006 31"	17mmT4	DIF,PF,ML,OVAL,PATCH,UB,NND,INTRACT=IC1179,AGC 2151,APPEAR AS ONE,R=F	
NGC 6054	Her	Galaxy (R')SAB(s)b	<small>SEE PLATE 1028 P</small>
May 19 2009 31"	17mmT4	VF,MS,PATCH,UB,NND,AGC 2151,R=F	
NGC 6055	Her	Galaxy (R)SAB0+	<small>SEE PLATE 1028 C</small>
May 19 2009 31"	17mmT4	MB,MS,R,FLNUC,AGC 2151,R=G	
Mar 29 2006 31"	17mmT4	MF,MS,R,FLNUC,SHISB CNTR,AGC 2151,R=F	
NGC 6056	Her	Galaxy SB(s)0+	<small>SEE PLATE 1028 C</small>
Mar 29 2006 31"	17mmT4	MF,MS,EL-OVAL,FLNUC,AGC 2151,R=F	
NGC 6057	Her	Galaxy E	<small>SEE PLATE 1028 N</small>
May 19 2009 31"	17mmT4	MB,MS,R,FLNUC,AGC 2151,R=G	
Mar 29 2006 31"	17mmT4	MF,MS,R,FLNUC,SHISB CNTR,AGC 2151,R=F	
PGC 56855	Her	Galaxy	
May 18 2009 31"	17mmT4	PF,MS,OVAL,NND,AGC 2151,R=P	
PGC 56858	Her	Galaxy	
May 18 2009 31"	17mmT4	PF,MS,OVAL,NND,AGC 2151,R=P	
PGC 56911	Her	Galaxy	
May 18 2009 31"	17mmT4	VF,PS,PATCH,TOOK A WHILE WITH AV,AGC 2151,R=P	
PGC 56919	Her	Galaxy	
May 18 2009 31"	17mmT4	PF,PS,PATCH,AGC 2151,R=P	
PGC 56922	Her	Galaxy	
May 18 2009 31"	17mmT4	VF,PS,PATCH,NND,AV TOOK A WHILE,AGC 2151,R=P	
PGC 56936	Her	Galaxy	
May 18 2009 31"	17mmT4	VF,PS,PATCH,AGC 2151,R=P	
PGC 56945	Her	Galaxy	
Mar 29 2006 31"	17mmT4	EF,VS,PATCH,AGC 2151,R=P	
PGC 56948	Her	Galaxy SAB(s)c	
May 18 2009 31"	17mmT4	PF,PS,PATCH,NND,AGC 2151,R=P	
PGC 56969	Her	Galaxy	

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PGC 56969 May 19 2009 31"	Her	Galaxy 17mmT4 EF,VS,PATCH,AV ONLY FEW TIMES,AGC 2151,R=P
PGC 56973 May 18 2009 31"	Her	Galaxy 17mmT4 VF,VS,PATCH,V CLOSE COMP=MAC,CAN BARELY SEP,AGC 2151,R=P
PGC 56987 May 18 2009 31"	Her	Galaxy SA(s)c 17mmT4 MF,MS,R,FLNUC,AGC 2151,R=F
PGC 56992 May 19 2009 31"	Her	Galaxy S 17mmT4 VF,MS,OVAL,PATCH,UB,NND,AGC 2151,R=P
PGC 57000 Mar 29 2006 31"	Her	Galaxy 17mmT4 EF,VS,PATCH,AV FIRST THEN HOLDS,AGC 2151,R=P
PGC 57020 May 18 2009 31" Mar 29 2006 31"	Her	Galaxy 17mmT4 MF,MS,PATCH,UB,NND,AGC 2151,R=P 17mmT4 VF,PS,PATCH,UB,NND,AGC 2151,R=P
PGC 57042 Mar 29 2006 31"	Her	Galaxy 17mmT4 EF,VS,PATCH,AV,COMES AND GOES,AGC 2151,R=P
PGC 57043 Mar 29 2006 31"	Her	Galaxy 17mmT4 VF,VS,PATCH,UB,NND,AGC 2151,R=P
PGC 57047 May 19 2009 31"	Her	Galaxy 17mmT4 VF,PS,PTACH,TOOK A WHILE FOR AV TO HOLD,AGC 2151,R=P
PGC 57052 May 19 2009 31"	Her	Galaxy 17mmT4 EF,PS,PTAHC,AV HOLDS AFTER A WHILE,AGC 2151,R=P
PGC 57055 May 19 2009 31"	Her	Galaxy 17mmT4 PF,PS,PATCH,NND,AGC 2151,R=P
PGC 57057 May 19 2009 31"	Her	Galaxy 17mmT4 EF,VS,PATCH,AV ONLY A FEW TIMES,AGC 2151,R=P
PGC 57060 Mar 29 2006 31"	Her	Galaxy SB 17mmT4 PF,PS,EL,PATCH,UB,NND,AGC 2151,R=P
PGC 57061 May 19 2009 31"	Her	Galaxy Sc 17mmT4 EF,VS,PATCH,AV TOOK A LONG TIME,COMES AND GOES,HOLDS AT TIMES,AGC 2151,R=P
PGC 57064 Mar 29 2006 31"	Her	Galaxy 17mmT4 EF,VS,PATCH,AV HOLDS,AGC 2151,R=P
PGC 57070 Mar 29 2006 31"	Her	Galaxy 17mmT4 VF,VS,OVAL,PATCH,UB,NND,AGC 2151,R=P
PGC 57071 May 19 2009 31" Mar 29 2006 31"	Her	Galaxy 17mmT4 MF,PS,R,BSNUC,AGC 2151,R=F 17mmT4 VF,VS,OVAL,UB,NND,AGC 2151,R=F
PGC 57077 May 19 2009 31"	Her	Galaxy 17mmT4 EF,VS,PATCH,AGC 2151,R=P

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PGC 57088 May 19 2009 31"	Her 17mmT4	Galaxy SB(s)a VF,PS,PATCH,FLNUC,AGC 2151,R=F
PGC 57092 May 19 2009 31"	Her 17mmT4	Galaxy MV,VS,PATCH,NND,AGC 2151,R=F
PGC 57097 Mar 29 2006 31"	Her 17mmT4	Galaxy SB(rs)b VF,PS,R,UB,NND,AGC 2151,R=F
PGC 57099 May 19 2009 31"	Her 17mmT4	Galaxy VF,ES,PATCH,AGC 2151,R=P
PGC 57103 May 19 2009 31"	Her 17mmT4	Galaxy VF,PS,PATCH,NND,AGC 2151,R=P
PGC 57106 May 19 2009 31"	Her 17mmT4	Galaxy VF,VS,PATCH,AV USED TO LOCATE,THEN HOLDS,AGC 2151,R=P
PGC 57112 May 19 2009 31"	Her 17mmT4	Galaxy VF,VS,PATCH,AGC 2151,R=P
PGC 57115 May 19 2009 31"	Her 17mmT4	Galaxy EF,VS,PATCH,TAKES A WHILE FOR AV,AGC 2151,R=P
PGC 57119 May 19 2009 31"	Her 17mmT4	Galaxy VF,VS,PATCH,NND,AGC 2151,R=P
PGC 57121 May 19 2009 31"	Her 17mmT4	Galaxy SAB(s)bc PF,PS,PATCH,NND,AGC 2151,R=P
PGC 57123 May 19 2009 31"	Her 17mmT4	Galaxy EF,VF*S CLOSE BY,SUSP,AGC 2151,R=P
PGC 57131 Mar 16 2010 31"	Her 17mmT4	Galaxy SAB(rs)cd VF,VS,PATCH,NND,AGC 2151,R=P
PGC 57133 May 19 2009 31"	Her 17mmT4	Galaxy VF,VS,PATCH,AV HOLDS,AGC 2151,R=P
PGC 57143 Mar 16 2010 31"	Her 17mmT4	Galaxy VF,VS,PATCH,UB,NND,AGC 2151,R=P
PGC 57144 Mar 16 2010 31"	Her 17mmT4	Galaxy VF,VS,PATCH,NND,AGC 2151,R=P
PGC 57160 Mar 16 2010 31"	Her 17mmT4	Galaxy SAB(r)b PF,MS,PATCH,UB,NND,AGC 2151,R=F
PGC 57162 Mar 16 2010 31"	Her 17mmT4	Galaxy E EF,VS,PATCH,AV TOOK A WHILE THEN HOLDS,AGC 2151,R=P
PGC 57184 Mar 16 2010 31"	Her 17mmT4	Galaxy SA(s)b? VF,VS,PATCH,UB,NND,AGC 2151,R=P
PGC 57185 Mar 16 2010 31"	Her 17mmT4	Galaxy VF,VS,PATCH,UB,NND,AGC 2151,R=P

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PGC 57190

Mar 17 2010 31"

Her

Galaxy

17mmT4 EF,VS,PATCH,SUSP,AV ONLY ONCE OR TWICE,LOC GOOD,AGC 2151,R=P

PGC 57198

Mar 17 2010 31"

Her

Galaxy

17mmT4 VF,VS,PATCH,UB,NND,AGC 2151,R=F