

## Abell 1656

Observed: No

OBJ	Type	Magnitude	RA (2000.0)	DEC
MAC 1251+2732	Galaxy	16	12 51 35.4	27 32 11
PGC 43583	Galaxy E/S0	15.5	12 51 43.8	27 57 47
MAC 1251+2758	Galaxy	17	12 51 53.5	27 58 43
PGC 43618	Galaxy E?	15.4	12 52 5.4	27 35 48
PGC 43619	Galaxy E/S0	15.5	12 52 9	27 28 39
PGC 43632	Galaxy Spiral	15.5	12 52 16.2	27 32 0
MAC 1252+2709	Galaxy	16.5	12 52 17.2	27 9 31
MAC 1252+2824	Galaxy	16	12 52 18	28 24 30
PGC 43712	Galaxy S?	15.8	12 52 48.8	27 24 7
PGC 43726	Galaxy S?	14.6	12 52 53.6	28 22 17
AGC 1632	Galaxy - 8	17.2	12 53 0	28 48 0
MAC 1253+2702	Galaxy	16	12 53 7.9	27 2 17
PGC 43773	Galaxy S?	14.8	12 53 16.1	27 5 39
MAC 1253+2812	Galaxy	16	12 53 18.6	28 12 43
MAC 1253+2701	Galaxy	16.5	12 53 23.6	27 1 59
MAC 1253+2747	Galaxy	16	12 53 37.9	27 47 2
MAC 1253+2856	Galaxy	16	12 53 49.3	28 56 32
PGC 43840	Galaxy S	15.6	12 53 51.5	28 58 45
PGC 43847	Galaxy S	16	12 53 53.9	28 11 12
MAC 1253+2657	Galaxy	15.5	12 53 54.3	26 57 57
NGC 4787	Galaxy S0/a	15.4	12 54 5.6	27 4 6
NGC 4789A	Galaxy IB(s)m	13.9	12 54 5.6	27 8 56
MAC 1254+2805A	Galaxy	15	12 54 10	28 5 31
PGC 43882	Galaxy		12 54 12.2	27 37 32
NGC 4788	Galaxy S?	15.3	12 54 16	27 18 12
MAC 1254+2804	Galaxy	16	12 54 16.9	28 4 34
NGC 4789	Galaxy SA0:	13.1	12 54 19.2	27 4 3
MAC 1254+2805B	Galaxy	16	12 54 19.8	28 5 26
PGC 43930	Galaxy SB?	15.3	12 54 33	28 22 35
MAC 1254+2737	Galaxy	15.5	12 54 33.5	27 37 58
PGC 43952	Galaxy E	15.6	12 54 36.9	26 56 4
NGC 4793	Galaxy SAB(rs	12.3	12 54 41.1	28 56 15
MAC 1254+2855	Galaxy	16.5	12 54 45.4	28 55 28
PGC 43965	Galaxy		12 54 47.8	27 20 24
PGC 43995	Galaxy E	15.6	12 54 53.7	28 25 0
NGC 4798	Galaxy S0-:	14.2	12 54 55.3	27 24 44
MAC 1254+2818	Galaxy	16	12 54 58	28 18 28
MAC 1255+2747	Galaxy	16	12 55 0.2	27 47 9
MAC 1255+2742	Galaxy	16	12 55 14.1	27 42 32
MAC 1255+2751	Galaxy	15.5	12 55 20.2	27 51 59
PGC 44031	Galaxy	15.7	12 55 22.6	28 28 3
PGC 44043	Galaxy S0?	14.7	12 55 25.1	27 47 52
MAC 1255+2748	Galaxy	16.5	12 55 25.5	27 48 14
MAC 1255+2656	Galaxy	16.5	12 55 26.1	26 56 48
MAC 1255+2736	Galaxy	16	12 55 26.8	27 36 13

## Abell 1656

Observed: No

OBJ	Type	Magnitude	RA (2000.0)	DEC
PGC 44044	Galaxy S	15.4	12 55 27.9	27 39 19
NGC 4807	Galaxy SAB0-	14.5	12 55 29.2	27 31 17
MAC 1255+2732	Galaxy	16	12 55 30.6	27 32 38
MAC 1255+2632	Galaxy	17.5	12 55 33.5	26 32 53
MAC 1255+2756	Galaxy	16	12 55 33.8	27 56 31
MAC 1255+2750	Galaxy	16	12 55 34.1	27 50 29
MAC 1255+2900	Galaxy	16	12 55 35	29 0 3
MAC 1255+2746	Galaxy	15.5	12 55 35.9	27 46 0
IC 3900	Galaxy SB0:	15	12 55 41.4	27 15 2
MAC 1255+2815	Galaxy	16	12 55 47.8	28 15 21
AGC 1641	Galaxy - 7	17.6	12 55 48	28 26 0
MAC 1255+2754A	Galaxy	16	12 55 49.2	27 54 20
MAC 1255+2736A	Galaxy	16.5	12 55 56.4	27 36 32
MAC 1255+2754B	Galaxy	16	12 55 57.7	27 54 18
MAC 1255+2824	Galaxy	17	12 55 58.6	28 24 25
MAC 1256+2757	Galaxy	16	12 56 0	27 57 17
MAC 1256+2802	Galaxy	16	12 56 1.7	28 2 18
PGC 44105	Galaxy	16.2	12 56 6.1	27 40 40
MAC 1256+2738	Galaxy	16	12 56 6.7	27 38 51
MAC 1256+2719	Galaxy	17.5	12 56 7.3	27 19 55
PGC 44109	Galaxy C	16	12 56 9.1	26 19 0
MAC 1256+2842	Galaxy	17	12 56 9.7	28 42 28
MAC 1256+2818	Galaxy	16	12 56 9.8	28 18 38
MAC 1256+2750	Galaxy	15.5	12 56 10.1	27 50 39
MAC 1256+2809	Galaxy	15.5	12 56 11	28 9 46
NGC 4816	Galaxy S0-:	13.8	12 56 12.2	27 44 43
MAC 1256+2730	Galaxy	16	12 56 14.7	27 30 21
MAC 1256+2726	Galaxy	15	12 56 16.8	27 26 45
IC 834	Galaxy S	15.3	12 56 18.6	26 21 32
PGC 44137	Galaxy	15.7	12 56 19.8	27 45 3
MAC 1256+2917	Galaxy	16	12 56 20.4	29 17 59
MAC 1256+2838	Galaxy	16.5	12 56 24.5	28 38 49
MAC 1256+2743	Galaxy	15.5	12 56 26.5	27 43 38
MAC 1256+2749	Galaxy	15	12 56 26.9	27 49 48
NGC 4819	Galaxy (R')SA	14.1	12 56 28	26 59 14
IC 3913	Galaxy S?	15.3	12 56 28.6	27 17 29
NGC 4821	Galaxy E4:	15.5	12 56 29.2	26 57 25
PGC 44151	Galaxy L	14.5	12 56 29.9	27 56 23
MAC 1256+2703	Galaxy	15.5	12 56 32.3	27 3 18
NGC 4824	Galaxy SA0		12 56 34.2	27 32 19
MAC 1256+2741	Galaxy	16	12 56 34.3	27 41 12
MAC 1256+2627	Galaxy	16	12 56 34.8	26 27 17
MAC 1256+2713	Galaxy	15	12 56 34.8	27 13 38
PGC 44159	Galaxy		12 56 35.4	28 16 30
MAC 1256+2742	Galaxy	16.5	12 56 36	27 43 7

## Abell 1656

Observed: No

<b>OBJ</b>	<b>Type</b>	<b>Magnitude</b>	<b>RA (2000.0)</b>		<b>DEC</b>		
MAC 1256+2857	Galaxy	16	12 56	36.1	28 56	49	
MAC 1256+2806	Galaxy	16.5	12 56	38.6	28 6	22	
MAC 1256+2804	Galaxy	16	12 56	39	28 4	52	
MAC 1256+2732	Galaxy	16.5	12 56	42.7	27 32	54	
NGC 4828	Galaxy S?	15.2	12 56	42.9	28 1	13	
NGC 4827	Galaxy S0-	13.9	12 56	43.7	27 10	43	
MAC 1256+2803	Galaxy	15.5	12 56	46	28 3	4	
MAC 1256+2625	Galaxy	17	12 56	46.2	26 25	9	
MAC 1256+2834	Galaxy	17	12 56	47	28 34	37	
MAC 1256+2717	Galaxy	16.5	12 56	47.6	27 17	30	
MAC 1256+2725	Galaxy	15.5	12 56	48	27 25	15	
PGC 44212	Galaxy S	15.7	12 56	49.7	27 5	37	
PGC 44193	Galaxy S?	15.4	12 56	50.6	28 55	46	
PGC 44195	Galaxy S	16	12 56	51	29 22	40	
PGC 44196	Galaxy E	15.2	12 56	51.2	26 53	55	
MAC 1256+2624	Galaxy	16.5	12 56	51.9	26 24	47	
IC 835	Galaxy S?	15.1	12 56	52.6	26 29	14	
MAC 1256+2755	Galaxy	15.5	12 56	53.3	27 55	43	
PGC 44214	Galaxy		12 56	56.1	26 32	31	
MAC 1256+2837	Galaxy	15.5	12 56	56.8	28 37	22	
PGC 44229	Galaxy	15.6	12 57	1.6	29 3	45	
MAC 1257+2722A	Galaxy	16	12 57	1.9	27 22	17	
MAC 1257+2731	Galaxy	16	12 57	4.5	27 31	32	
MAC 1257+2743	Galaxy	16	12 57	4.5	27 43	47	
MAC 1257+2746	Galaxy	15.5	12 57	4.8	27 46	22	
MAC 1257+2858	Galaxy	15.5	12 57	5.3	28 58	52	
PGC 44268	Galaxy S?	15.4	12 57	9.5	27 27	58	
MAC 1257+2724A	Galaxy	15.5	12 57	10.8	27 24	17	
PGC 44263	Galaxy SB?	15.1	12 57	11.4	29 2	41	
MAC 1257+2706	Galaxy	16.5	12 57	12	27 6	10	
MAC 1257+2743A	Galaxy	17	12 57	15.4	27 43	47	
MAC 1257+2826	Galaxy	17.5	12 57	17.8	28 26	18	
MAC 1257+2748	Galaxy	15	12 57	18	27 48	38	
MAC 1257+2744A	Galaxy	17	12 57	18.4	27 44	49	
MAC 1257+2736	Galaxy	15	12 57	19.7	27 36	50	
MAC 1257+2752A	Galaxy	15.5	12 57	21.9	27 52	48	
MAC 1257+2659	Galaxy	17	12 57	23.1	26 59	16	
MAC 1257+2733	Galaxy	17	12 57	23.6	27 32	58	
MAC 1257+2745A	Galaxy	15.5	12 57	23.8	27 45	58	
NGC 4839	Galaxy E+	13	12 57	24.3	27 29	54	
MAC 1257+2830	Galaxy	16.5	12 57	25.3	28 29	46	
PGC 44300	Galaxy	15.9	12 57	25.3	27 24	16	
PGC 44304	Galaxy S0	14.9	12 57	25.9	27 32	45	
MAC 1257+2724B	Galaxy	16.5	12 57	26.2	27 24	15	
MAC 1257+2739	Galaxy	17	12 57	26.2	27 39	32	

## Abell 1656

Observed: No

OBJ	Type	Magnitude	RA (2000.0)	DEC
MAC 1257+2826A	Galaxy	16.5	12 57 27.7	28 26 21
MAC 1257+2810A	Galaxy	15	12 57 28.4	28 10 34
MAC 1257+2851	Galaxy	17.5	12 57 29.6	28 51 37
PGC 44319	Galaxy S	15.4	12 57 30	28 11 16
MAC 1257+2722B	Galaxy	16	12 57 31	27 22 13
IC 837	Galaxy S?	15.6	12 57 31.3	26 30 46
NGC 4841A	Galaxy E+ pec	13.8	12 57 31.9	28 28 36
NGC 4840	Galaxy E1:	14.7	12 57 32.9	27 36 36
NGC 4841B	Galaxy E pec	13.6	12 57 33.9	28 28 55
MAC 1257+2720	Galaxy	17.5	12 57 36	27 20 24
NGC 4842A	Galaxy E0	14.2	12 57 36.1	27 29 33
NGC 4842B	Galaxy E3:	15.4	12 57 36.2	27 29 4
MAC 1257+2805	Galaxy	16	12 57 36.5	28 4 36
MAC 1257+2701	Galaxy	15	12 57 36.6	27 1 52
MAC 1257+2709	Galaxy	16.5	12 57 37.2	27 9 17
MAC 1257+2744	Galaxy	16	12 57 38.4	27 44 56
PGC 44341	Galaxy SAB0-	15.4	12 57 43.1	26 51 9
MAC 1257+2901	Galaxy	16.5	12 57 44.3	29 1 12
MAC 1257+2725	Galaxy	16	12 57 45.9	27 25 44
MAC 1257+2745B	Galaxy	15.5	12 57 46.2	27 45 25
MAC 1257+2808	Galaxy	16	12 57 46.9	28 8 26
MAC 1257+2908	Galaxy	16	12 57 47	29 8 57
PGC 44351	Galaxy	15.7	12 57 47.4	27 49 59
MAC 1257+2743B	Galaxy	16.5	12 57 48.1	27 43 35
PGC 44364	Galaxy E3?	15.5	12 57 48.1	27 52 58
PGC 44367	Galaxy E3?	15.5	12 57 48.7	28 10 49
PGC 44370	Galaxy SABd:	15	12 57 49.7	29 39 16
MAC 1257+2810B	Galaxy	17.5	12 57 50.5	28 10 13
MAC 1257+2752B	Galaxy	15.5	12 57 50.7	27 52 45
MAC 1257+2638	Galaxy	16.5	12 57 51	26 38 25
MAC 1257+2742	Galaxy	16.5	12 57 53.3	27 42 26
MAC 1257+2829	Galaxy	16	12 57 53.9	28 29 58
MAC 1257+2651	Galaxy	18	12 57 54.3	26 51 52
MAC 1257+2737	Galaxy	17.5	12 57 54.4	27 37 40
PGC 44391	Galaxy SBb	17.3	12 57 54.6	27 29 27
PGC 44382	Galaxy		12 57 54.7	27 36 56
MAC 1257+2734	Galaxy	16.1	12 57 56.4	27 34 53
MAC 1257+2702	Galaxy	15.5	12 57 56.7	27 2 14
MAC 1257+2759	Galaxy	16.5	12 57 56.8	27 59 29
PGC 44386	Galaxy S	15.9	12 57 58	28 3 39
MAC 1257+2831	Galaxy	17	12 57 58.2	28 31 16
MAC 1258+2751	Galaxy	17.5	12 58 0.1	27 51 8
PGC 44406	Galaxy SBa	16.8	12 58 1.8	27 29 23
PGC 44394	Galaxy S0/a	15	12 58 2.4	26 51 34
PGC 44393	Galaxy SA(s)a	15.4	12 58 3.2	26 54 57

## Abell 1656

Observed: No

<b>OBJ</b>	<b>Type</b>	<b>Magnitude</b>	<b>RA (2000.0)</b>		<b>DEC</b>	
MAC 1258+2758	Galaxy	16	12 58	3.3	27 58	13
PGC 44390	Galaxy	15.7	12 58	3.7	27 48	52
MAC 1258+2839	Galaxy	17	12 58	4.2	28 39	56
MAC 1258+2622	Galaxy	16	12 58	5.1	26 22	13
MAC 1258+2901	Galaxy	17	12 58	5.7	29 1	2
NGC 4848	Galaxy SBab:	14.4	12 58	5.7	28 14	32
MAC 1258+2822	Galaxy	15.5	12 58	6	28 22	13
MAC 1258+2724	Galaxy	16	12 58	6.3	27 25	8
MAC 1258+2734	Galaxy	16.5	12 58	7.1	27 34	35
MAC 1258+2619	Galaxy	15	12 58	7.8	26 19	36
PGC 44416	Galaxy S?	15.5	12 58	9.2	28 42	30
MAC 1258+2639	Galaxy	15.5	12 58	9.5	26 39	51
NGC 4849	Galaxy S0^:	13.9	12 58	12.9	26 23	46
PGC 44422	Galaxy S?	15.1	12 58	13.5	28 56	49
IC 838	Galaxy SB	16.1	12 58	13.7	26 25	35
MAC 1258+2810	Galaxy	15	12 58	13.8	28 10	56
PGC 44423	Galaxy S?	15.4	12 58	15.1	28 7	32
MAC 1258+2831A	Galaxy	17.5	12 58	15.3	28 31	19
MAC 1258+2708	Galaxy	17.5	12 58	15.8	27 5	13
MAC 1258+2749A	Galaxy	16	12 58	16.6	27 49	37
MAC 1258+2710	Galaxy	15.5	12 58	17	27 10	26
MAC 1258+2743	Galaxy	17	12 58	17.2	27 43	47
PGC 44441	Galaxy		12 58	17.7	27 8	11
MAC 1258+2750	Galaxy	17	12 58	18.2	27 50	54
MAC 1258+2907	Galaxy	16.5	12 58	18.4	29 7	29
PGC 44438	Galaxy S0	15	12 58	18.4	29 7	41
PGC 44437	Galaxy	16.5	12 58	18.8	27 18	38
PGC 44440	Galaxy		12 58	19.3	27 45	42
MAC 1258+2841	Galaxy	16	12 58	19.5	28 41	54
MAC 1258+2725	Galaxy	16	12 58	20.6	27 25	46
MAC 1258+2637	Galaxy	16	12 58	20.7	26 37	45
NGC 4850	Galaxy SA0	15.2	12 58	21.9	27 58	2
NGC 4851	Galaxy SBa	15.2	12 58	21.9	28 8	54
MAC 1258+2753	Galaxy	16.5	12 58	22	27 53	33
MAC 1258+2809	Galaxy	15.5	12 58	22.5	28 9	6
MAC 1258+2712	Galaxy	16.5	12 58	25.3	27 12	0
MAC 1258+2807A	Galaxy	16.5	12 58	25.7	28 7	43
MAC 1258+2936	Galaxy	15.5	12 58	26.9	29 36	44
MAC 1258+2733	Galaxy	16	12 58	28.7	27 33	30
MAC 1258+2831B	Galaxy	17	12 58	28.7	28 31	35
MAC 1258+2818	Galaxy	16	12 58	29.7	28 18	3
MAC 1258+2825	Galaxy	17.5	12 58	30.3	28 25	36
MAC 1258+2851	Galaxy	16.5	12 58	30.4	28 51	30
PGC 44467	Galaxy S0?	14.1	12 58	30.4	28 0	52
MAC 1258+2814	Galaxy	16.5	12 58	31	28 14	1

## Abell 1656

Observed: No

OBJ	Type	Magnitude	RA (2000.0)	DEC
PGC 44469	Galaxy		12 58 31.7	27 40 25
PGC 44466	Galaxy		12 58 32	28 2 58
MAC 1258+2727A	Galaxy	15	12 58 32.2	27 27 21
MAC 1258+2614	Galaxy	15.5	12 58 32.3	26 14 37
MAC 1258+2822A	Galaxy	17	12 58 32.6	28 22 41
PGC 44461	Galaxy	16	12 58 33.1	27 21 51
NGC 4853	Galaxy (R')SA	14.4	12 58 35.2	27 35 46
PGC 44479	Galaxy S0 pec	16.2	12 58 35.4	27 15 52
PGC 44483	Galaxy S	17	12 58 35.9	28 16 18
IC 3943	Galaxy	15.6	12 58 36.4	28 6 49
PGC 44487	Galaxy S	15.3	12 58 36.4	27 6 14
PGC 44486	Galaxy S0 pec	18	12 58 37.3	27 10 35
MAC 1258+2727B	Galaxy	15.5	12 58 37.9	27 27 48
MAC 1258+2732	Galaxy	16	12 58 38.4	27 32 37
MAC 1258+2637A	Galaxy	17	12 58 38.9	26 37 31
MAC 1258+2757	Galaxy	16.5	12 58 39.2	27 57 10
MAC 1258+2645	Galaxy	16.5	12 58 40.1	26 45 32
MAC 1258+2854	Galaxy	16.5	12 58 43.4	28 54 34
MAC 1258+2841A	Galaxy	17	12 58 45.8	28 41 31
NGC 4854	Galaxy SB0	14.9	12 58 47.4	27 40 28
IC 3946	Galaxy SA0 sp	15.1	12 58 48.8	27 48 37
PGC 44511	Galaxy	16.5	12 58 50.8	28 5 2
IC 3947	Galaxy SA0	15.5	12 58 52.1	27 47 5
PGC 44518	Galaxy		12 58 53	27 48 49
MAC 1258+2807	Galaxy	16	12 58 53.5	28 7 32
MAC 1258+2817	Galaxy	17	12 58 53.7	28 17 19
PGC 44519	Galaxy		12 58 54.7	27 47 43
PGC 44522	Galaxy	16.5	12 58 55.3	27 57 52
IC 3949	Galaxy S	15.1	12 58 56	27 49 59
PGC 44523	Galaxy	16.5	12 58 56.3	28 27 48
MAC 1258+2749	Galaxy	16.5	12 58 56.7	27 49 18
PGC 44519	Galaxy SA0	16.4	12 58 57.8	27 47 5
MAC 1258+2735	Galaxy	15	12 58 58.2	27 35 39
PGC 44533	Galaxy	17	12 59 0.1	27 58 0
MAC 1259+2732	Galaxy	16.5	12 59 1.7	27 32 10
PGC 44537	Galaxy SB(s)m	15.2	12 59 1.8	28 13 30
NGC 4859	Galaxy S0/a	14.6	12 59 1.9	26 48 56
NGC 4858	Galaxy SBb	15.7	12 59 2.1	28 6 55
NGC 4860	Galaxy E2:	14.6	12 59 4	28 7 25
PGC 44546	Galaxy		12 59 4	27 57 25
MAC 1259+2657	Galaxy	17	12 59 4.7	26 57 30
PGC 44547	Galaxy		12 59 4.7	27 54 39
PGC 44542	Galaxy		12 59 4.9	28 3 1
PGC 44541	Galaxy SBa	15.1	12 59 5.5	27 38 38
IC 3955	Galaxy SA0	15.4	12 59 6	27 59 47

## Abell 1656

Observed: No

OBJ	Type	Magnitude	RA (2000.0)	DEC
PGC 44560	Galaxy		12 59 6	28 4 13
MAC 1259+2848	Galaxy	16.5	12 59 6.6	28 48 41
MAC 1259+2632	Galaxy	16	12 59 6.9	26 32 53
MAC 1259+2746A	Galaxy	16.5	12 59 7	27 46 20
IC 3957	Galaxy S0?	15.8	12 59 7.5	27 46 3
IC 3960	Galaxy SB0	15.9	12 59 7.9	27 51 17
IC 3959	Galaxy E3	15.3	12 59 8.2	27 47 2
MAC 1259+2843	Galaxy	16	12 59 8.6	28 43 39
MAC 1259+2802	Galaxy	17	12 59 9.7	28 2 25
IC 3960A	Galaxy	17	12 59 9.8	27 52 1
PGC 44562	Galaxy		12 59 10.4	27 37 9
MAC 1259+2800	Galaxy	17	12 59 11.8	28 0 34
NGC 4864	Galaxy E2	14.6	12 59 13.2	27 58 35
IC 3963	Galaxy SA0 sp	15.8	12 59 13.5	27 46 28
PGC 44563	Galaxy SAab?	15	12 59 13.8	27 24 4
PGC 44575	Galaxy E	15.6	12 59 13.9	28 4 34
MAC 1259+2815	Galaxy	16.5	12 59 15.3	28 15 2
NGC 4867	Galaxy E3	15.4	12 59 15.3	27 58 14
MAC 1259+2709	Galaxy	15.5	12 59 16.4	27 9 29
PGC 44576	Galaxy		12 59 16.4	27 59 12
MAC 1259+2706	Galaxy	16	12 59 16.7	27 6 21
MAC 1259+2653	Galaxy	17	12 59 18.5	26 53 23
MAC 1259+2742	Galaxy	16	12 59 18.5	27 42 54
MAC 1259+2730	Galaxy	17	12 59 18.6	27 30 48
MAC 1259+2735	Galaxy	17	12 59 18.8	27 35 35
NGC 4865	Galaxy E6	14.6	12 59 19.9	28 5 3
MAC 1259+2758A	Galaxy	17.5	12 59 20	27 58 25
PGC 44573	Galaxy		12 59 20.2	28 11 52
PGC 44581	Galaxy	15.4	12 59 20.2	27 53 9
PGC 44574	Galaxy		12 59 20.4	28 4 27
MAC 1259+2758B	Galaxy	16	12 59 21.3	27 58 21
MAC 1259+2826	Galaxy	17	12 59 21.3	28 26 30
MAC 1259+2848A	Galaxy	17	12 59 22.4	28 48 14
PGC 44585	Galaxy	16.3	12 59 22.6	27 53 48
NGC 4869	Galaxy E3	14.8	12 59 23.4	27 54 41
PGC 44586	Galaxy C	16.5	12 59 23.4	28 29 18
PGC 44596	Galaxy		12 59 25	27 44 19
MAC 1259+2759A	Galaxy	17	12 59 25.1	27 59 49
PGC 44597	Galaxy	16.7	12 59 25.3	27 58 4
PGC 44595	Galaxy		12 59 25.5	27 56 2
PGC 44598	Galaxy		12 59 25.5	27 58 23
PGC 44593	Galaxy		12 59 25.9	28 11 11
PGC 44592	Galaxy		12 59 26.3	28 17 14
PGC 44594	Galaxy	16.6	12 59 26.4	27 59 53
MAC 1259+2747	Galaxy	16.5	12 59 27.4	27 47 6

## Abell 1656

Observed: No

<b>OBJ</b>	<b>Type</b>	<b>Magnitude</b>	<b>RA (2000.0)</b>		<b>DEC</b>		
PGC 44609	Galaxy		12 59	28.6	28	5	2
PGC 44602	Galaxy	16.5	12 59	28.7	28	2	25
IC 3976	Galaxy E6	15.7	12 59	29.5	27	51	0
NGC 4871	Galaxy SA0	15.2	12 59	30	27	57	21
IC 3973	Galaxy SB0	15.4	12 59	30.8	27	53	2
PGC 44608	Galaxy		12 59	30.9	27	47	29
PGC 44616	Galaxy	15.9	12 59	31.5	28	2	47
MAC 1259+2751A	Galaxy	17.5	12 59	32	27	51	39
PGC 44611	Galaxy	17.4	12 59	32.3	27	43	13
NGC 4873	Galaxy SA0	15.1	12 59	32.8	27	59	0
NGC 4872	Galaxy SB0	15.4	12 59	34.1	27	56	48
MAC 1259+2751B	Galaxy	17	12 59	35.4	27	51	48
PGC 44629	Galaxy S	16	12 59	35.6	28	33	4
NGC 4874	Galaxy E+0	12.6	12 59	35.7	27	57	33
MAC 1259+2828	Galaxy	17.5	12 59	37.2	28	28	47
PGC 44634	Galaxy	16.7	12 59	37.4	28	10	0
MAC 1259+2720	Galaxy	16	12 59	37.5	27	20	8
NGC 4875	Galaxy SA0	15.7	12 59	37.9	27	54	26
MAC 1259+2746B	Galaxy	16.5	12 59	38.1	27	46	34
PGC 44635	Galaxy		12 59	38.1	28	0	3
PGC 44636	Galaxy	14.8	12 59	38.3	27	59	13
PGC 44637	Galaxy		12 59	39.1	27	52	16
IC 3990	Galaxy S?	15.3	12 59	39.3	28	53	41
PGC 44654	Galaxy		12 59	39.6	27	51	16
PGC 44644	Galaxy	14.4	12 59	39.7	27	57	13
IC 3991	Galaxy S	15.5	12 59	39.8	28	55	35
PGC 44643	Galaxy S	15.5	12 59	40	27	34	35
PGC 44662	Galaxy	16	12 59	40.3	27	51	16
PGC 44647	Galaxy S?	15.9	12 59	40.5	28	37	51
PGC 44651	Galaxy		12 59	40.5	27	58	7
MAC 1259+2739	Galaxy	16	12 59	41.3	27	39	35
MAC 1259+2830	Galaxy	17	12 59	41.5	28	30	24
PGC 44649	Galaxy	16.6	12 59	42.3	27	55	28
MAC 1259+2751C	Galaxy	17	12 59	42.5	27	51	31
PGC 44656	Galaxy	15.2	12 59	43.7	27	59	40
PGC 44652	Galaxy		12 59	44.2	27	57	29
NGC 4876	Galaxy E5	15.4	12 59	44.4	27	54	44
PGC 44653	Galaxy		12 59	44.4	27	52	2
MAC 1259+2753	Galaxy	17.5	12 59	44.9	27	53	22
MAC 1259+2657A	Galaxy	16	12 59	45	26	57	15
MAC 1259+2751D	Galaxy	15.5	12 59	46.3	27	51	23
IC 3998	Galaxy SB0	15.6	12 59	46.9	27	58	25
MAC 1259+2759B	Galaxy	18	12 59	47.1	27	59	31
PGC 44667	Galaxy S0/a	15.2	12 59	47.2	27	42	36
AGC 1656	Galaxy - 10	13.5	12 59	48	27	58	0

## Abell 1656

Observed: No

OBJ	Type	Magnitude	RA (2000.0)	DEC
PGC 44666	Galaxy		12 59 50.3	27 55 28
PGC 44676	Galaxy		12 59 51.1	27 49 58
MAC 1259+2804	Galaxy	16.5	12 59 51.6	28 4 25
MAC 1259+2658	Galaxy	16.5	12 59 52.2	26 58 14
MAC 1259+2649	Galaxy	15.5	12 59 54.5	26 49 11
MAC 1259+2747A	Galaxy	16	12 59 55.1	27 47 45
PGC 44679	Galaxy	16.3	12 59 55.1	28 7 41
NGC 4883	Galaxy SB0	15.4	12 59 56	28 2 4
MAC 1259+2744	Galaxy	16.5	12 59 56.3	27 44 46
PGC 44675	Galaxy	16.4	12 59 56.7	27 55 47
MAC 1259+2803	Galaxy	17	12 59 57.8	28 3 53
NGC 4881	Galaxy E+	14.6	12 59 57.8	28 14 47
MAC 1259+2711	Galaxy	15	12 59 58.7	27 11 57
PGC 44692	Galaxy		12 59 59.6	27 56 25
PGC 44693	Galaxy		13 0 1.1	27 56 43
MAC 1300+2657	Galaxy	16.5	13 0 1.3	26 57 21
MAC 1300+2743	Galaxy	17.5	13 0 1.6	27 43 51
PGC 44691	Galaxy		13 0 3	28 14 25
NGC 4892	Galaxy S	14.9	13 0 3.6	26 53 51
MAC 1300+2649	Galaxy	16	13 0 3.7	26 49 13
MAC 1300+2757A	Galaxy	16.5	13 0 3.8	27 57 52
MAC 1300+2836	Galaxy	16	13 0 4.5	28 36 14
NGC 4886	Galaxy E0	13.8	13 0 4.5	27 59 15
PGC 44712	Galaxy		13 0 4.5	26 50 47
MAC 1300+2701	Galaxy	16.5	13 0 4.7	27 1 56
PGC 44707	Galaxy	16.5	13 0 5.5	28 1 25
PGC 44699	Galaxy	15.7	13 0 5.6	27 48 28
MAC 1300+2755	Galaxy	17	13 0 5.9	27 55 34
PGC 44708	Galaxy		13 0 6.1	27 58 41
PGC 44704	Galaxy		13 0 6.3	27 46 32
PGC 44710	Galaxy		13 0 6.3	27 41 6
IC 4011	Galaxy E	16.1	13 0 6.4	28 0 14
MAC 1300+2815	Galaxy	17	13 0 6.4	28 15 2
MAC 1300+2718	Galaxy	15.5	13 0 6.5	27 18 0
MAC 1300+2927	Galaxy	15.5	13 0 6.5	29 27 45
MAC 1300+2746A	Galaxy	16.5	13 0 7.8	27 46 23
IC 4012	Galaxy E	16	13 0 8	28 4 42
NGC 4889	Galaxy E+4	12.5	13 0 8.1	27 58 36
MAC 1300+2809	Galaxy	16	13 0 8.8	28 9 35
NGC 4895A	Galaxy E	16	13 0 9.2	28 10 13
PGC 44716	Galaxy SBa	16	13 0 9.2	27 51 56
PGC 44709	Galaxy		13 0 10.3	27 51 48
MAC 1300+2735	Galaxy	16	13 0 10.6	27 35 41
MAC 1300+2804	Galaxy	17	13 0 11.4	28 3 53
MAC 1300+2746B	Galaxy	16	13 0 12.8	27 46 54

## Abell 1656

Observed: No

<b>OBJ</b>	<b>Type</b>	<b>Magnitude</b>	<b>RA (2000.0)</b>		<b>DEC</b>		
PGC 44723	Galaxy	16.4	13 0	12.9	28 4	31	
MAC 1300+2803	Galaxy	17.5	13 0	13.6	28 3	10	
MAC 1300+2752	Galaxy	17	13 0	13.8	27 52	0	
PGC 44722	Galaxy S0?	15.2	13 0	14.2	28 49	39	
PGC 44725	Galaxy S	15.5	13 0	14.6	27 16	47	
IC 4021	Galaxy E	15.9	13 0	14.8	28 2	28	
NGC 4894	Galaxy SA0	15.1	13 0	16.5	27 58	2	
PGC 44740	Galaxy	16.5	13 0	17.1	28 3	48	
MAC 1300+2747	Galaxy	17	13 0	17.9	27 47	3	
NGC 4895	Galaxy SA0 pe	14.2	13 0	17.9	28 12	8	
PGC 44739	Galaxy S?	16.1	13 0	17.9	27 23	14	
NGC 4898	Galaxy E pec	14.5	13 0	18.1	27 57	20	
MAC 1300+2805	Galaxy	17.5	13 0	18.4	28 5	47	
MAC 1300+2749A	Galaxy	16	13 0	18.7	27 48	55	
PGC 44741	Galaxy	16.7	13 0	19	27 56	13	
MAC 1300+2733A	Galaxy	15.5	13 0	19.1	27 33	13	
MAC 1300+2852	Galaxy	17	13 0	19.3	28 52	41	
MAC 1300+2807	Galaxy	17.5	13 0	19.9	28 7	19	
MAC 1300+2750A	Galaxy	17	13 0	20.3	27 50	35	
MAC 1300+2920	Galaxy	16	13 0	21.1	29 20	12	
MAC 1300+2647	Galaxy	15.5	13 0	21.4	26 47	17	
MAC 1300+2654	Galaxy	16	13 0	21.9	26 54	22	
IC 4026	Galaxy SB0	15.6	13 0	22.1	28 2	48	
MAC 1300+2814	Galaxy	17	13 0	22.3	28 14	48	
MAC 1300+2737	Galaxy	16	13 0	22.4	27 37	22	
PGC 44750	Galaxy		13 0	22.4	28 24	3	
MAC 1300+2702	Galaxy	16.5	13 0	22.5	27 2	8	
MAC 1300+2834	Galaxy	17.5	13 0	22.8	28 34	30	
MAC 1300+2755A	Galaxy	17	13 0	25	27 55	35	
MAC 1300+2733B	Galaxy	16.1	13 0	25.4	27 33	6	
IC 4032	Galaxy C	15.5	13 0	25.9	28 52	2	
MAC 1300+2730	Galaxy	16	13 0	26.9	27 30	55	
PGC 44763	Galaxy	15.4	13 0	28.1	27 57	21	
PGC 44771	Galaxy	15.2	13 0	28.4	27 58	20	
PGC 44760	Galaxy S?	15.1	13 0	29.1	26 40	31	
PGC 44765	Galaxy S	15.5	13 0	29.1	27 30	53	
MAC 1300+2719	Galaxy	17	13 0	29.4	27 19	59	
NGC 4896	Galaxy S0- pe	14.9	13 0	30.8	28 20	46	
MAC 1300+2857	Galaxy	16.5	13 0	31.2	28 57	1	
MAC 1300+2658	Galaxy	16	13 0	32.1	26 58	22	
MAC 1300+2815A	Galaxy	17.5	13 0	32.5	28 15	19	
PGC 44773	Galaxy		13 0	32.7	27 45	57	
MAC 1300+2749B	Galaxy	16.5	13 0	33.5	27 49	25	
PGC 44779	Galaxy S?	15.7	13 0	33.8	27 38	14	
PGC 44784	Galaxy	15.7	13 0	35.6	28 8	46	

## Abell 1656

Observed: No

<b>OBJ</b>	<b>Type</b>	<b>Magnitude</b>	<b>RA (2000.0)</b>		<b>DEC</b>		
PGC 44785	Galaxy S	15.5	13 0	35.6	27	34	25
MAC 1300+2705	Galaxy	16.5	13 0	36.4	27	5	30
IC 4040	Galaxy Sdm:	15.4	13 0	37.9	28	3	26
PGC 44792	Galaxy		13 0	38.6	28	0	51
PGC 44794	Galaxy		13 0	38.8	28	1	2
IC 842	Galaxy S?	14.7	13 0	39.3	29	1	10
NGC 4906	Galaxy E3	15.1	13 0	39.9	27	55	23
PGC 44803	Galaxy S	16	13 0	40.6	28	31	11
IC 4041	Galaxy E6	15.3	13 0	40.9	27	59	47
MAC 1300+2753A	Galaxy	16	13 0	41.4	27	53	39
IC 4042	Galaxy SB0	15.3	13 0	42.8	27	58	16
PGC 44809	Galaxy	16.3	13 0	42.9	27	57	47
PGC 44811	Galaxy		13 0	44	28	24	57
PGC 44805	Galaxy E6	15.2	13 0	44.3	28	20	13
PGC 44815	Galaxy	16.5	13 0	44.6	28	6	1
MAC 1300+2750B	Galaxy	16.5	13 0	45.6	27	50	6
PGC 44821	Galaxy		13 0	47.5	27	55	17
IC 4045	Galaxy E4	15	13 0	48.7	28	5	26
NGC 4907	Galaxy SB(r)b	14.4	13 0	48.8	28	9	29
PGC 44822	Galaxy S0/a	15	13 0	49.9	27	24	20
MAC 1300+2802	Galaxy	16.5	13 0	51.4	28	2	48
MAC 1300+2744	Galaxy	17	13 0	51.5	27	44	34
NGC 4908	Galaxy E5	14.7	13 0	51.6	28	2	33
MAC 1300+2818	Galaxy	16.5	13 0	52	28	18	51
PGC 44848	Galaxy E?	14.8	13 0	52.2	28	21	56
MAC 1300+2753B	Galaxy	17	13 0	53.6	27	53	0
NGC 4911A	Galaxy S0	15.3	13 0	54.3	27	46	58
IC 4051	Galaxy E0	14.2	13 0	54.5	28	0	27
PGC 44835	Galaxy		13 0	54.9	27	50	30
MAC 1300+2753C	Galaxy	17	13 0	56	27	53	52
NGC 4911	Galaxy SAB(r)	13.6	13 0	56.1	27	47	26
PGC 44844	Galaxy S	16	13 0	58.3	27	39	7
PGC 44849	Galaxy	15.6	13 0	59.3	27	53	59
MAC 1300+2747A	Galaxy	18	13 0	59.6	27	47	42
MAC 1301+2701	Galaxy	16.5	13 1	0.9	27	1	28
MAC 1301+2753A	Galaxy	17	13 1	5	27	53	30
PGC 44863	Galaxy		13 1	6.5	28	1	52
MAC 1301+2821	Galaxy	16	13 1	9.1	28	21	33
PGC 44864	Galaxy E	15.7	13 1	9.3	27	49	5
MAC 1301+2928	Galaxy	17	13 1	9.5	29	28	45
PGC 44850	Galaxy SA0	15.7	13 1	10.7	27	48	9
MAC 1301+2714	Galaxy	17	13 1	10.8	27	14	47
MAC 1301+2736A	Galaxy	16	13 1	12.3	27	36	15
MAC 1301+2753B	Galaxy	16.5	13 1	13.6	27	53	1
MAC 1301+2804	Galaxy	17	13 1	13.9	28	4	57

## Abell 1656

Observed: No

OBJ	Type	Magnitude	RA (2000.0)		DEC	
PGC 44878	Galaxy	16.8	13 1	13.9	27 54	50
MAC 1301+2831	Galaxy	17	13 1	15.2	28 31	16
MAC 1301+2740	Galaxy	16	13 1	15.4	27 40	7
MAC 1301+2852	Galaxy	16.5	13 1	16	28 52	18
NGC 4919	Galaxy (R')SA	15.1	13 1	17.6	27 48	32
MAC 1301+2805	Galaxy	17.5	13 1	17.8	28 5	49
MAC 1301+2811A	Galaxy	14.5	13 1	22.9	28 11	43
NGC 4922	Galaxy I0 pec	13.9	13 1	24.2	29 18	29
PGC 44898	Galaxy S?	15.3	13 1	25.1	28 40	38
NGC 4921	Galaxy SB(rs)	13	13 1	26.1	27 53	9
MAC 1301+2826	Galaxy	16	13 1	26.8	28 26	8
PGC 44897	Galaxy		13 1	27.2	27 59	56
MAC 1301+2833	Galaxy	16.5	13 1	31	28 33	26
NGC 4923	Galaxy (R')SA	14.7	13 1	31.8	27 50	50
MAC 1301+2820	Galaxy	17	13 1	32.1	28 20	49
IC 843	Galaxy S0	14.6	13 1	33.6	29 7	49
MAC 1301+2754	Galaxy	17	13 1	34	27 54	39
PGC 44909	Galaxy		13 1	35.4	28 8	47
MAC 1301+2742	Galaxy	16.5	13 1	36.7	27 42	27
MAC 1301+2800	Galaxy	17.5	13 1	37.5	28 0	57
MAC 1301+2814	Galaxy	17	13 1	39.3	28 14	43
MAC 1301+2802	Galaxy	18	13 1	40.3	28 2	0
PGC 44917	Galaxy S	17	13 1	41.8	29 22	52
IC 4088	Galaxy Sab	14.7	13 1	42.9	29 2	38
MAC 1301+2859	Galaxy	16	13 1	44	28 59	58
MAC 1301+2812	Galaxy	16.5	13 1	44.2	28 12	48
MAC 1301+2757	Galaxy	16	13 1	46.2	27 57	27
PGC 44928	Galaxy Sab	15.1	13 1	47	28 5	41
AGC 1661	Galaxy - 9	17.6	13 1	48	29 4	0
MAC 1301+2839	Galaxy	16.5	13 1	48	28 39	35
MAC 1301+2721	Galaxy	17	13 1	48.1	27 21	14
MAC 1301+2736B	Galaxy	15	13 1	48.5	27 36	13
MAC 1301+2810	Galaxy	16.5	13 1	49	28 10	15
PGC 44929	Galaxy Sab	15.1	13 1	50.2	27 53	36
NGC 4926	Galaxy SA0-:	14	13 1	53.7	27 37	27
MAC 1301+2811B	Galaxy	16	13 1	54.2	28 11	36
MAC 1301+2823	Galaxy	17	13 1	56.7	28 23	18
NGC 4927	Galaxy SA0-:	14.7	13 1	57.6	28 0	20
MAC 1301+2731	Galaxy	16.5	13 1	59.6	27 31	53
PGC 44947	Galaxy	15.6	13 2	0.1	27 46	57
MAC 1302+2739	Galaxy	16	13 2	1.2	27 39	9
PGC 44973	Galaxy S?	15.4	13 2	4.2	29 15	12
MAC 1302+2853	Galaxy	16.5	13 2	4.4	28 53	40
MAC 1302+2717A	Galaxy	16	13 2	5.7	27 17	48
MAC 1302+2745	Galaxy	16.5	13 2	6.1	27 45	53

## Abell 1656

Observed: No

OBJ	Type	Magnitude	RA (2000.0)	DEC
NGC 4926A	Galaxy S0 pec	15.2	13 2 8.2	27 38 53
PGC 44975	Galaxy S0?	15.3	13 2 8.7	28 23 13
MAC 1302+2839	Galaxy	16.5	13 2 9.2	28 39 46
MAC 1302+2811	Galaxy	16.5	13 2 10.3	28 11 29
MAC 1302+2827	Galaxy	16.5	13 2 11.3	28 27 22
MAC 1302+2810	Galaxy	17	13 2 11.9	28 10 21
PGC 44976	Galaxy SB	15.6	13 2 12.8	28 12 52
MAC 1302+2806	Galaxy	16	13 2 14.4	28 6 3
MAC 1302+2820	Galaxy	16	13 2 14.4	28 21 8
MAC 1302+2830	Galaxy	17	13 2 14.4	28 30 23
MAC 1302+2857	Galaxy	16.5	13 2 19.4	28 57 9
PGC 45003	Galaxy SAB(s)	15.1	13 2 21.6	28 13 48
PGC 45002	Galaxy	15.7	13 2 21.8	28 15 20
MAC 1302+2711	Galaxy	17	13 2 22.5	27 11 13
MAC 1302+2719	Galaxy	16	13 2 22.8	27 19 43
MAC 1302+2821	Galaxy	16.5	13 2 24.5	28 21 27
MAC 1302+2717B	Galaxy	18.5	13 2 30.4	27 17 33
MAC 1302+2826	Galaxy	16	13 2 32.2	28 26 20
MAC 1302+2717C	Galaxy	16	13 2 32.8	27 17 41
MAC 1302+2756	Galaxy	15.5	13 2 34.8	27 56 56
MAC 1302+2726	Galaxy	16	13 2 35.3	27 26 20
IC 4106	Galaxy S	15.5	13 2 38.4	28 6 51
PGC 45023	Galaxy S0?	15.4	13 2 40.8	28 22 16
PGC 45024	Galaxy		13 2 41.7	28 8 11
NGC 4929	Galaxy E1:	14.4	13 2 44.5	28 2 43
PGC 45037	Galaxy S	16.5	13 2 49.3	29 5 23
PGC 45032	Galaxy E1:	15.3	13 2 52.9	27 51 57
PGC 45045	Galaxy	17.1	13 2 53.1	27 31 1
MAC 1302+2818	Galaxy	16.5	13 2 53.6	28 18 36
IC 4111	Galaxy S	15.8	13 2 56.6	28 4 13
MAC 1302+2822	Galaxy	17.5	13 2 57.5	28 22 32
MAC 1302+2714	Galaxy	16.5	13 2 59.3	27 14 35
NGC 4931	Galaxy S0 sp	14.5	13 3 0.9	28 1 56
MAC 1303+2714	Galaxy	16	13 3 2.5	27 14 57
MAC 1303+2747	Galaxy	15.5	13 3 5.3	27 47 0
PGC 45066	Galaxy S	15.9	13 3 5.8	26 31 51
PGC 45077	Galaxy (R')SB	15.1	13 3 9.7	28 35 0
MAC 1303+2749	Galaxy	17	13 3 10	27 49 10
AGC 1665	Galaxy - 13	17.7	13 3 12	26 40 0
MAC 1303+2810A	Galaxy	16.5	13 3 12.8	28 10 19
MAC 1303+2722	Galaxy	15.5	13 3 13.7	27 22 6
NGC 4934	Galaxy S?	15.2	13 3 16.3	28 1 49
PGC 45083	Galaxy S	15.5	13 3 16.8	27 19 56
MAC 1303+2818	Galaxy	15.5	13 3 21.7	28 18 30
MAC 1303+2800	Galaxy	15.5	13 3 25.5	28 0 49

## Abell 1656

Observed: No

OBJ	Type	Magnitude	RA (2000.0)		DEC		
MAC 1303+2833	Galaxy	16.5	13 3	28.1	28	33	48
PGC 45097	Galaxy S	15.2	13 3	28.8	26	33	1
MAC 1303+2816	Galaxy	16.5	13 3	30	28	16	27
MAC 1303+2806	Galaxy	16	13 3	31.4	28	5	29
MAC 1303+2809	Galaxy	17	13 3	36	28	9	59
MAC 1303+2854	Galaxy	16.5	13 3	42.2	28	54	19
NGC 4943	Galaxy SAB0	15.6	13 3	45.1	28	4	58
NGC 4944	Galaxy S0/a?	13.8	13 3	49.9	28	11	8
MAC 1303+2803	Galaxy	16	13 3	50.5	28	3	15
MAC 1303+2810B	Galaxy	16.5	13 3	50.7	28	10	43
IC 4133	Galaxy E?	15.4	13 3	50.8	27	59	17
MAC 1303+2810C	Galaxy	16.5	13 3	54.1	28	10	55
MAC 1303+2818A	Galaxy	17.5	13 3	54.6	28	18	36
MAC 1303+2811	Galaxy	15.5	13 3	55.1	28	11	13
MAC 1304+2818	Galaxy	16.5	13 4	2.9	28	18	30
MAC 1304+2757	Galaxy	15.5	13 4	8.2	27	57	51
MAC 1304+2901	Galaxy	17	13 4	10.3	29	0	53
PGC 45162	Galaxy SB?	15.3	13 4	10.3	28	14	50
PGC 45160	Galaxy S	16	13 4	11.3	27	29	23
MAC 1304+2811	Galaxy	15.5	13 4	12.9	28	11	36
MAC 1304+2832A	Galaxy	17.5	13 4	13.1	28	32	32
MAC 1304+2832	Galaxy	17.5	13 4	15.9	28	32	42
NGC 4949	Galaxy SB(s)b		13 4	18.2	29	1	44
PGC 45175	Galaxy		13 4	18.5	28	28	5
PGC 45184	Galaxy S?	15.3	13 4	22.9	28	48	37
PGC 45190	Galaxy S?	15.1	13 4	26.6	27	18	18
PGC 45194	Galaxy S?	15.3	13 4	28.2	26	40	18
PGC 45203	Galaxy S	16	13 4	35.9	28	37	38
MAC 1304+2814	Galaxy	15.5	13 4	37	28	14	59
MAC 1304+2913	Galaxy	16.5	13 4	39.2	29	13	28
PGC 45210	Galaxy S	16.5	13 4	39.2	28	37	41
MAC 1304+2815	Galaxy	16.5	13 4	43.4	28	15	2
MAC 1304+2845	Galaxy	17	13 4	45.6	28	45	5
MAC 1304+2839	Galaxy	16.5	13 4	49.3	28	39	39
MAC 1304+2816	Galaxy	17	13 4	49.5	28	16	8
NGC 4952	Galaxy E	13.4	13 4	58.6	29	7	22
MAC 1305+2844	Galaxy	16	13 5	2.5	28	44	20
MAC 1305+2738	Galaxy	16.5	13 5	4.2	27	38	34
MAC 1305+2838	Galaxy	17	13 5	6.6	28	38	28
MAC 1305+2730	Galaxy	16	13 5	8.4	27	30	45
NGC 4957	Galaxy E3	14	13 5	12.6	27	34	12
MAC 1305+2809	Galaxy	16	13 5	12.7	28	9	7
MAC 1305+2735	Galaxy	16.5	13 5	22.3	27	34	23
PGC 45271	Galaxy S	15.6	13 5	25.3	29	17	47
PGC 45289	Galaxy S	16	13 5	33	29	0	40

## Abell 1656

Observed: No

OBJ	Type	Magnitude	RA (2000.0)		DEC	
NGC 4961	Galaxy SB(s)c	14	13 5	47.8	27 44	2
MAC 1305+2805	Galaxy	15	13 5	49	28 6	22
MAC 1305+2747	Galaxy	16.5	13 5	53.1	27 47	44
NGC 4960	Galaxy		13 5	53.3	27 33	4
PGC 45310	Galaxy C	17	13 5	53.7	28 6	44
MAC 1305+2807	Galaxy	16.5	13 5	57	28 7	42
MAC 1305+2901	Galaxy	16	13 5	59	29 1	23
PGC 45328	Galaxy SA(s)d	15.4	13 6	5.5	28 35	34
PGC 45347	Galaxy C	16.5	13 6	8.8	28 27	31
MAC 1306+2803A	Galaxy	16.5	13 6	9.8	28 3	51
MAC 1306+2809	Galaxy	18	13 6	11.1	28 9	19
MAC 1306+2742	Galaxy	15.5	13 6	11.2	27 41	58
PGC 45352	Galaxy S	16.5	13 6	11.9	28 27	51
MAC 1306+2908	Galaxy	17.5	13 6	13.9	29 8	29
NGC 4966	Galaxy S	14	13 6	17.4	29 3	46
MAC 1306+2715	Galaxy	15.5	13 6	18.3	27 15	17
MAC 1306+2803	Galaxy	16	13 6	19.5	28 3	7
MAC 1306+2808	Galaxy	17	13 6	22.8	28 8	25
MAC 1306+2821	Galaxy	17.5	13 6	26.6	28 21	51
PGC 45375	Galaxy	15.7	13 6	35.6	27 10	7
PGC 45386	Galaxy S?	15	13 6	36.3	27 52	24
MAC 1306+2820	Galaxy	15.5	13 6	37.2	28 20	13
PGC 45388	Galaxy S?	15.1	13 6	38.1	28 50	54
MAC 1306+2831	Galaxy	16	13 6	40.1	28 31	1
MAC 1306+2753	Galaxy	16.5	13 6	41.5	27 52	59
NGC 4971	Galaxy S0?	14.4	13 6	54.9	28 32	52
PGC 45442	Galaxy S?	15.7	13 7	13.2	28 2	51
MAC 1307+2815	Galaxy	16.5	13 7	14.2	28 15	28
MAC 1307+2820	Galaxy	17	13 7	15.1	28 20	34
MAC 1307+2817	Galaxy	16	13 7	16.4	28 17	2
PGC 45471	Galaxy S0/a	15.7	13 7	37.8	27 29	55
MAC 1307+2819	Galaxy	16	13 7	38.1	28 19	31
MAC 1307+2730	Galaxy	16	13 7	43.2	27 30	34
MAC 1307+2822	Galaxy	16	13 7	53.7	28 22	57
MAC 1308+2815	Galaxy	16	13 8	2.4	28 15	2
MAC 1308+2749	Galaxy	15.5	13 8	9.2	27 49	37

**Sub Total: 666****Total: 666**