



Markarian Galaxies

The Goal is to Observe the Markarian Object – NOT Just the Host Galaxy.....20 Observations = Pin Awarded

Markarian No.	Host Galaxy	Coordinates 2000	Host Galaxy Const.	Galaxy Type	Mrk. Mag.	Mrk. Type	Mrk. Ab. Mag.	3K CMB Redshift	CoMoving Rad. Dist. Mlyrs	Urano No. 1
□Mrk. 132	0958+551	10 01 29.6 + 54 54 38	Uma	Quasar	16.0	QSO	-27.0	1.7617	15,447B	45
□Mrk. 171a/b	NGC3690	11 28 32.3 + 58 33 43	Uma	Im Pec	13.1B	HII	-20.8	0.0109	146.1	46
□Mrk. 180	CGCG334-43	11 36 26.4 + 70 09 27	Dra	Compact	15.5	BL Lac	-21.2	0.0455	603.4	25
□Mrk. 205	PGC39975	12 21 44.2 + 75 18 39	Dra	Pec	14.5	Sy 1	-22.2	0.0710	936.1	9
□Mrk. 213	NGC4500	12 31 22.1 + 57 57 53	Uma	SB(s)a	13.1	SB	-20.2	0.0109	145.1	47
□Mrk. 220	MCG9-21-34	12 43 47.9 + 54 53 46	Uma	Pec Comp	14.1	SB	-20.3	0.0170	226.7	48
□Mrk. 231	UGC8058	12 56 14.2 + 56 52 25	Uma	SA(rs)c? Pec	14.4	Sy 1	-22.3	0.0426	567.5	48
□Mrk. 256	NGC5144	13 22 53.7 + 70 30 44	UMi	SSc? pec	13.4	HII	-20.3	0.0107	142.5	26
□Mrk. 266a	NGC5256	13 38 17.8 + 48 16 41	Uma	Com Pair	14.0	Sy 2	-21.4	0.0284	378.3	76
□Mrk. 266b	NGC5256	13 38 17.3 + 48 16 32	Uma	Com Pair	14.0	LINER	-21.4	0.0284	378.3	76
□Mrk. 404	NGC2964	09 42 56.8 + 31 50 45	Leo	SABbc	11.3	HII	-19.4	0.0053	70.8	104
□Mrk. 421	UGC6132	11 04 27.3 + 38 12 32	Uma	E1 or S?	12.8V	BL Lac	-22.6	0.0309	411.0	10
□Mrk. 449	NGC5014	13 11 31.2 + 36 16 56	CVn	Sa Pec	13.3	SB	-17.6	0.0045	60.7	109
□Mrk. 474	NGC5683	14 34 52.4 + 48 39 43	Boo	SB0	15.2	Sy 1	-20.6	0.0366	486.0	77
□Mrk. 501	1652+398	16 53 52.2 + 39 45 37	Her	E2/SO	14.2	BL Lac	-22.3	0.0336	446.8	80
□Mrk 506,	CGC170-020	17 22 39.9 + 30 52 53	Her	Sa	15.1	Sy 1.5	-21.4	0.0429	570.8	11
□Mrk. 538,	NGC7714	23 36 14.1 + 02 09 19	Psc	SB(s)b pec	12.5B	SB	-20.1	0.0081	108.3	259
□Mrk. 665	NGC5421a	14 01 41.4 + 33 49 37	CVn	SBc	14.2	Pair	-21.1	0.0270	358.8	110
□Mrk. 673	IC4395	14 17 21.1 + 26 51 27	Boo	S	14.4	Sy 2	-20.9	0.0372	495.8	152
□Mrk. 679	1421 + 330	14 23 26.1 + 32 52 20	Boo	Compact	16.6	QSO	-27.3	1.9091	16,200B	111
□ Mrk. 691	NGC5996	15 46 58.9 + 17 53 03	Ser	SBd	13.4	SB	-20.3	0.0114	152.0	155
□Mrk. 710	NGC3049	09 54 49.5 + 09 16 16	Leo	SB(rs)ab	13.6	SB	-18.0	0.0060	79.9	189
□Mrk. 739a	NGC3758	11 36 29.4 + 21 35 49	Leo	S ?	15.2	Sy 1 (E)	-20.8	0.0309	411.0	147
□Mrk. 739b	NGC3758	11 36 29.4 + 21 35 46	Leo	S ?	15.2	SB	-20.8	0.0312	411.0	147
□Mrk. 744	NGC3786	11 39 42.5 + 31 54 33	Uma	SAB(rs)a Pec	13.0B	Sy 1.8	-19.5	0.0099	132.1	106
□Mrk 766	NGC4253	12 18 26.5 + 29 48 46	Com	SB(s)a	13.5r	Sy 1	-20.1	0.0139	185.3	107
□Mrk. 781	NGC4779	12 53 50.8 + 09 42 36	Vir	SB(rs)bc	13.2	SB	-19.5	0.0105	140.6	194
□Mrk. 799	NGC5430	14 00 45.7 + 59 19 42	UMa	SB(s)b	13.0	SB	-20.5	0.0102	136.7	49
□Mrk. 809a/b	NGC5591	14 22 34.0 + 13 43 00	Boo	Sdm	14.5	SB	-20.8	0.0264	352.2	197
□Mrk. 874a/b	UGC10279	16 11 45.8 + 60 34 56	Dra	Dbl Sys.	14.5	SB	-19.6	0.0136	182.0	51
□Mrk. 897	UGC11680	21 07 45.8 + 03 52 40	Equ	Com	14.5	SB	-21.2	0.0253	335.9	255
□Mrk. 912	NGC7288	22 28 15.0 – 02 53 04	Aqr	SO/a pec	14.3	SB	-19.7	0.0154	205.5	257
□Mrk. 915	PGC 69307	22 36 46.5 – 12 32 43	Aqr	S?	13.6R	Sy 1	-19.8	0.0230	305.9	302
□Mrk. 1126	NGC7450	23 00 47.8 – 12 55 07	Aqr	SB(r)a	14.0	Sy 1.5	-18.1	0.0095	126.5	303
□Mrk. 1236	PGC28275	09 49 54.1 + 00 36 58	Sex	SABcd	13.5	WR HII	-18.5	0.0075	99.8	233
□Mrk. 1261	UGC5849	10 43 52.6 – 01 17 40	Sex	I?	14.7	HII	-21.2	0.0273	362.0	23
□Mrk. 1291	NGC3660	11 23 32.3 – 08 39 31	Crt	SB(r)bc	13.1	SB	-18.1	0.0135	180.	281
□Mrk. 1325a	NGC4410a	12 26 29.9 + 09 01 07	Vir	Sab pec	13.6	LINER	-21.6	0.0253	335.9	193
□Mrk. 1325b	NGC4410b	12 26 28.2 + 09 01 15	Vir	SO pec	13.6	LINER	-21.6	0.0253	335.9	193
□Mrk. 1330	NGC4593	12 39 39.4 - 05 20 39	Vir	SB(rs)b	11.7	Sy 1	-18.8	0.0101	135.7	284
□Mrk. 1376	NGC5506	14 13 14.9 – 03 12 27	Vir	Sa Pec	12.8	Sy 1.9	-18.5	0.0071	94.3	242
□Mrk. 1379	NGC5534	14 17 40.2 – 07 25 03	Vir	SAB(s) pec	12.8B	SB	-19.6	0.0096	128.5	287
□Mrk. 1392	CGC48-115	15 05 56.5 + 03 42 26	Vir	Sbc	14.3	Sy 1.8	-20.9	0.0368	489.2	243
□Mrk. 1485	NGC5350	13 53 21.6 + 40 21 50	CVn	SB(r)b	12.2	SB	-20.3	0.0084	111.9	76

**Note: We are Observing Galaxies that are Mostly Hundreds of Millions of Light Years Away –
Yet We are Able to Observe Objects Within those Galaxies**

These are the Most Explosively Active Objects in the Entire Universe – L.M.

$H_0 = 73.00 \text{ km/sec/Mpc}$

Redshifts defined by the 3°K Microwave Background Radiation

Distance: Proper Distance = Co-Moving Radial Distance – Present Epoch (Only)

Primary Sources:

MegaStar – Sky Atlas for Windows

NASA/IPAC Extragalactic Database

A Catalog of Markarian Galaxies, Joseph Mazzarella, Vicki Balzano, *Astrophys. Journal, Suppl*, 62:751-819, Dec., 1986

Larry Mitchell

TSP - Advanced Observing, 2015

