

ALL ARIZONA MESSIER MARATHON

Name: _____ Astronomy Club: _____
 Address: _____ City, State, Zip: _____

Number of Objects:		Optics:								
Obsvd	M#	R. A.	Decl	CON	TYPE	Mag	Size	Uranol	Comment	
_____	M 77	02 42.7	-00 02	CET	GALXY	10.5	9'X8'	220		
_____	M 74	01 36.6	+15 48	PSC	GALXY	10.5	12'X12'	173		
_____	M 33	01 33.9	+30 40	TRI	GALXY	7	73'X45'	91		
_____	M 31	00 42.8	+41 16	AND	GALXY	3.5	178'X40'	60		
_____	M 32	00 42.8	+40 52	AND	GALXY	8.2	8'X6'	60		
_____	M 110	00 40.4	+41 41	AND	GALXY	8	17'X10'	60		
_____	M 76	01 42.3	+51 34	PER	PLNNB	11	163"X107"	37		
_____	M 34	02 42.0	+42 47	PER	OPNCL	5.2	35.0'	62		
_____	M 45	03 47.0	+24 07	TAU	CL+NB	1.2	100'	132		
_____	M 79	05 24.5	-24 33	LEP	GLOCL	8.4	8.7'	315		
_____	M 42	05 35.3	-05 23	ORI	CL+NB	4	66'X60'	225		
_____	M 43	05 35.5	-05 16	ORI	BRTNB	9	20'X15'	225		
_____	M 78	05 46.8	+00 04	ORI	BRTNB	8	8'X6'	226		
_____	M 41	06 47.0	-20 44	CMA	OPNCL	4.5	38.0'	318		
_____	M 93	07 44.6	-23 52	PUP	OPNCL	6.2	22.0'	319		
_____	M*47	07 36.6	-14 30	PUP	OPNCL	4.4	30.0'	274	NGC 2422	
_____	M 46	07 41.8	-14 49	PUP	OPNCL	6.1	27.0'	274		
_____	M 50	07 03.2	-08 20	MON	OPNCL	5.9	16.0'	273		
_____	M*48	08 13.8	-05 48	HYA	OPNCL	5.8	54.0'	230	NGC 2548	
_____	M 1	05 34.5	+22 01	TAU	PLNNB	8.4	6'X4'	135		
_____	M 35	06 08.9	+24 20	GEM	OPNCL	5.1	28.0'	136		
_____	M 38	05 28.7	+35 50	AUR	OPNCL	6.4	21'	97		
_____	M 36	05 36.1	+34 08	AUR	OPNCL	6	12'	97		
_____	M 37	05 52.4	+32 33	AUR	OPNCL	5.6	24.0'	98		
_____	M 44	08 40.1	+19 59	CNC	OPNCL	3.1	95.0'	141		
_____	M 67	08 50.4	+11 49	CNC	OPNCL	6.9	30.0'	186		
_____	M 65	11 18.9	+13 05	LEO	GALXY	9.6	9.5'X2.3'	191		
_____	M 66	11 20.2	+12 59	LEO	GALXY	8.9	9.0'X4.2'	191		
_____	M 95	10 44.0	+11 42	LEO	GALXY	11.2	8.5'X5.0'	190		
_____	M 96	10 46.8	+11 49	LEO	GALXY	10	7.5'X5.0'	190		
_____	M 105	10 47.8	+12 35	LEO	GALXY	9.6	3.8'X3.8'	190		
_____	M 81	09 55.6	+69 04	UMA	GALXY	8.1	26'X14'	23		
_____	M 82	09 55.8	+69 41	UMA	GALXY	9.2	13'X6'	23		
_____	M 97	11 14.8	+55 01	UMA	PLNNB	11	202"X196"	46		
_____	M 108	11 11.5	+55 40	UMA	GALXY	10.7	8.8'X2.2'	46		
_____	M 109	11 57.6	+53 23	UMA	GALXY	10.7	8.3'X4.6'	47		
_____	M*40	12 21.9	+58 06	UMA	2STAR	9		47	2 stars, Wnc 40	
_____	M 106	12 18.9	+47 19	CVN	GALXY	9.6	22.0'X9.0'	74		
_____	M 94	12 50.9	+41 08	CVN	GALXY	8.7	14.0'X12.0'	75		
_____	M 63	13 15.8	+42 02	CVN	GALXY	9.7	15'X9'	75		
_____	M 51	13 30.0	+47 11	CVN	GALXY	8.8	9'X7.5'	76		
_____	M 101	14 03.3	+54 22	UMA	GALXY	8.7	28'X28'	49		
_____	M*102	15 06.5	+55 45	DRA	GALXY	11.1	6.5'X3.0'	50	NGC 5866	
_____	M 98	12 13.9	+14 55	COM	GALXY	11	9.9'X2.2'	193		
_____	M 99	12 18.9	+14 26	COM	GALXY	10.2	5.0'X4.7'	193		
_____	M 100	12 23.0	+15 50	COM	GALXY	10.6	6.8'X5.8'	193		
_____	M 85	12 25.5	+18 12	COM	GALXY	10.2	7.4'X5.5'	148		
_____	M 84	12 25.1	+12 54	VIR	GALXY	10.8	5.0'X4.0'	193		
_____	M 86	12 26.3	+12 57	VIR	GALXY	10.9	12.0'X9.0'	193		
_____	M 87	12 30.9	+12 24	VIR	GALXY	10.4	7.0'X7.0'	193		
_____	M 89	12 35.7	+12 34	VIR	GALXY	11.1	3.4'X3.4'	194		
_____	M 90	12 36.9	+13 10	VIR	GALXY	11.8	11.4'X4.7'	194		
_____	M 88	12 32.1	+14 26	COM	GALXY	10.6	6.7'X3.0'	193		
_____	M*91	12 35.5	+14 30	COM	GALXY	11.5	5.5'X4.5'	194	NGC 4548	
_____	M 58	12 37.8	+11 50	VIR	GALXY	11.5	6.0'X5.0'	194		

Obsvd	M#	R. A.	Decl	CON	TYPE	Mag	Size	Urano	Comment
_____	M 59	12 42.1	+11 39	VIR	GALXY	11	4.5'X3.5'	194	
_____	M 60	12 43.7	+11 34	VIR	GALXY	10.3	3'X2.5'	194	
_____	M 49	12 29.8	+08 01	VIR	GALXY	10.2	8.0'X7.0'	193	
_____	M 61	12 22.0	+04 29	VIR	GALXY	10.9	6.6'X6.4'	238	
_____	M 104	12 39.9	-11 37	VIR	GALXY	9.3	8.9'X4.1'	284	
_____	M 64	12 56.7	+21 41	COM	GALXY	8.9	10.0'X5.0'	149	
_____	M 53	13 12.9	+18 10	COM	GLOCL	7.7	12.6'	150	
_____	M 5	15 18.6	+02 05	SER	GLOCL	5.75	17.4'	244	
_____	M 68	12 39.5	-26 45	HYA	GLOCL	8.2	12.0'	329	
_____	M 83	13 37.1	-29 52	HYA	GALXY	8.5	11.2'X10.2'	370	
_____	M 3	13 42.2	+28 23	CVN	GLOCL	6.4	16.2'	109	
_____	M 13	16 41.7	+36 28	HER	GLOCL	5.9	16.6'	114	
_____	M 92	17 17.1	+43 08	HER	GLOCL	6.5	11.2'	81	
_____	M 9	17 19.2	-18 31	OPH	GLOCL	7.9	9.3'	337	
_____	M 107	16 32.5	-13 03	OPH	GLOCL	8.1	10.0'	291	
_____	M 12	16 47.2	-01 57	OPH	GLOCL	6.6	14.5'	246	
_____	M 10	16 57.1	-04 06	OPH	GLOCL	6.6	15.1'	247	
_____	M 14	17 37.6	-03 15	OPH	GLOCL	7.6	11.7'	248	
_____	M 4	16 23.6	-26 32	SCO	GLOCL	5.9	26.3'	336	
_____	M 80	16 17.0	-22 59	SCO	GLOCL	7.2	8.9'	335	
_____	M 19	17 02.6	-26 16	OPH	GLOCL	7.2	13.5'	337	
_____	M 62	17 01.2	-30 07	OPH	GLOCL	6.6	14.1'	375	
_____	M 6	17 40.1	-32 13	SCO	OPNCL	4.2	15.0'	376	
_____	M 7	17 53.9	-34 49	SCO	OPNCL	3.3	80.0'	377	
_____	M 27	19 59.6	+22 43	VUL	PLNNB	7.3	480"X340"	162	
_____	M 71	19 53.8	+18 47	SGE	GLOCL	8.3	7.2'	162	
_____	M 11	18 51.1	-06 16	SCT	OPNCL	5.8	14.0'	250	
_____	M 26	18 45.2	-09 24	SCT	OPNCL	8	15.0'	295	
_____	M 16	18 18.8	-13 47	SER	CL+NB	6	25'	294	
_____	M 17	18 20.8	-16 11	SGR	CL+NB	6	45'X35'	294	
_____	M 18	18 19.9	-17 08	SGR	OPNCL	6.9	9.0'	294	
_____	M*24	18 17.0	-18 35	SGR	OPNCL	4	120'X90'	339	sml SGR cloud
_____	M 25	18 31.6	-19 15	SGR	OPNCL	4.6	32.0'	340	
_____	M 23	17 56.8	-19 01	SGR	OPNCL	5.5	27.0'	339	
_____	M 21	18 04.6	-22 30	SGR	OPNCL	5.9	13.0'	339	
_____	M 20	18 02.3	-23 02	SGR	CL+NB	6.3	28.0'	339	
_____	M 8	18 03.1	-24 23	SGR	CL+NB	5	80'X40'	339	
_____	M 28	18 24.5	-24 52	SGR	GLOCL	6.9	11.2'	339	
_____	M 22	18 36.4	-23 54	SGR	GLOCL	5.1	24.0'	378	
_____	M 57	18 53.6	+33 02	LYR	PLNNB	9	86"X62"	117	
_____	M 56	19 16.6	+30 11	LYR	GLOCL	8.3	7.1'	118	
_____	M 29	20 23.9	+38 32	CYG	OPNCL	6.6	7.0'	84	
_____	M 39	21 32.2	+48 26	CYG	OPNCL	4.6	32.0'	86	
_____	M 52	23 24.2	+61 35	CAS	OPNCL	6.9	13.0'	15	
_____	M 103	01 33.2	+60 42	CAS	OPNCL	7.4	6.0'	16	
_____	M 69	18 34.4	-32 21	SGR	GLOCL	7.7	7.1'	378	
_____	M 70	18 43.2	-32 18	SGR	GLOCL	8.1	7.8'	378	
_____	M 54	18 55.1	-30 29	SGR	GLOCL	7.7	9.1'	378	
_____	M 55	19 40.0	-30 58	SGR	GLOCL	7	19.0'	379	
_____	M 75	20 06.1	-21 55	SGR	GLOCL	8	66.0'	343	
_____	M 15	21 30.0	+12 10	PEG	GLOCL	6.35	12.3'	210	
_____	M 2	21 33.5	-00 49	AQR	GLOCL	6.5	12.9'	255	
_____	M 72	20 53.5	-12 32	AQR	GLOCL	9.4	5.9'	299	
_____	M*73	20 59.0	-12 38	AQR	ASTER	8.9	2.8'	299	4 stars
_____	M 30	21 40.4	-23 11	CAP	GLOCL	7.5	11.0'	346	