
 * Messier Marathon Observer's Form *

This file presents the Messier objects in the order of the Marathon Search Sequence given by Don Machholz in his "Messier Marathon Observer's Guide", suited so that you can fill in your observations easily.

Messier Marathon Search Sequence
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Compiled online by Hartmut Frommert, using work of Don Machholz.
 Depending on geographic location, it may be impossible to find them all, and may be better to slightly modify this list. In case of doubt consult Don Machholz's book. This list should be good for northern latitudes 20 to 40.

My Messier Marathon
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Date: 3. 14 2021 ^{UTC} Observer: DAVE VALKO
 Location: DUNLO, PA Lat: +40.29 Long: 78.72° Time Zone: ES/DT
 Instruments used: ORION 12" SKYQUEST XX12i DOB., BUSHNELL 10x50 BINOCULARS
 Seeing Quality: FAIR TO FAIRLY GOOD. FAIRLY STABLE. SOME WESTERN HORIZON HAZE AT THE START, OTHERWISE CLEAR.
 General Comments: MOON LESS THAN 1 DAY OLD (NEW 1021 UTC 3/13). 39° START, 32° END. A BIT OF A BREEZE AT TIMES. M55, M75, M72, M73 OBSTRUCTED DURING MORNING TWILIGHT. M30 WOULD NOT BE AVAILABLE.

The Object List:
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No.	M#	NGC#	Con	Type	Your#	UTC Time	Occular	Comments
1.	M77	1068	Cet	G S	<u>1</u>	<u>00:19</u>	<u>25mm</u>	<u>FAINT BUT VISIBLE. A ROUND GLOW.</u>
2.	M74	628	Psc	G S	<u>3</u>	<u>00:47</u>	<u>15mm</u>	<u>A VERY FAINT GLOW. SEEN BY ROCKING THE TELESCOPE BACK AND FORTH QUICKLY.</u>
3.	M33	598	Tri	G S	<u>2</u>	<u>00:36</u>	<u>25mm</u>	<u>A LARGE VERY FAINT GLOW, BARELY VISIBLE. NGC 604 INSIDE SEEN FIRST.</u>
4.	M31	224	And	G S	<u>4</u>	<u>00:48</u>	<u>15mm</u>	<u>VERY BRIGHT AND VERY LARGE. EXTENDS BEYOND EYEPiece FOV.</u>
5.	M32	221	And	G E	<u>5</u>	<u>00:50</u>	<u>9mm</u>	<u>LOOKS MUCH LIKE A SMALL GLOBULAR CLUSTER. M31 COMPANION.</u>
6.	M110	205	And	G E	<u>6</u>	<u>00:52</u>	<u>25mm</u>	<u>OVAL AND NOT TOO FAINT. ANOTHER COMPANION TO M31.</u>
7.	M52	7654	Cas	OC1	<u>7</u>	<u>00:57</u>	<u>15mm</u>	<u>SOMEWHAT TRIANGULAR SHAPED. A PAIR OF BRIGHTER STARS ON THE EDGE.</u>
8.	M103	581	Cas	OC1	<u>8</u>	<u>01:02</u>	<u>15mm</u>	<u>ANOTHER TRIANGULAR SHAPED CLUSTER. RED STAR OFF-CENTER. HD 9311 ON THE CORNER.</u>
9.	M76	650	Per	Pl	<u>9</u>	<u>01:05</u>	<u>9mm</u>	<u>FUZZY RECTANGLE. ROUNDED SIDES NOT SEEN.</u>
10.	M34	1039	Per	OC1	<u>10</u>	<u>01:08</u>	<u>25mm</u>	<u>A HOOKED "X" SHAPED. AT LEAST 4 PAIRS OF STARS.</u>

11.	M45	- Tau OCl	<u>11</u>	<u>01:10</u>	<u>25mm</u>	LARGE!! DIPPER SHAPED. MANY BRIGHT STARS. BEST IN 10X50 FINDER.
12.	M79	1904 Lep Gl	<u>12</u>	<u>01:12</u>	<u>9mm</u>	OUTER STARS BARELY RESOLVED. IN LINE WITH A BRIGHTER STAR ON EACH SIDE.
13.	M42	1976 ori DN	<u>13</u>	<u>01:13</u>	<u>9mm</u>	MAGNIFICENT!! WISPS AND STREAMERS EVERYWHERE. BRIGHT "TRAPEZIUM" EMBEDDED.
14.	M43	1982 Ori DN	<u>14</u>	<u>01:18</u>	<u>9mm</u>	BRIGHT NAUTILUS SHAPED NEBULA, NEXT TO M42, AND SURROUNDING STAR HD37061.
15.	M78	2068 Ori DN	<u>15</u>	<u>01:21</u>	<u>9mm</u>	NEBULA WITH 2 FOREGROUND STARS OVERTOP. ONE EDGE SHARP, REST FEATHERED.
16.	M1	1952 Tau SNR	<u>16</u>	<u>01:24</u>	<u>9mm</u>	BRIGHT. SOMEWHAT TRIANGULAR SHAPED. FAIRLY LARGE. MANY FIELD STARS.
17.	M35	2168 Gem OCl	<u>17</u>	<u>01:26</u>	<u>25mm</u>	VERY LARGE. MANY STARS!! A BRIGHTER ORANGE STAR AT THE END OF A LINE OF 11 STARS.
18.	M37	2099 Aur OCl	<u>18</u>	<u>01:30</u>	<u>25mm</u>	SHAPED SOMEWHAT LIKE A FOOTPRINT. BRIGHTER RED STAR HD39183 AT CENTER.
19.	M36	1960 Aur OCl	<u>19</u>	<u>01:35</u>	<u>25mm</u>	NICE. APPEARS LIKE A QUARTERBACK POINTING OUT A RECEIVER AND ABOUT TO PASS.
20.	M38	1922 Aur OCl	<u>20</u>	<u>01:37</u>	<u>25mm</u>	SHAPED LIKE A "+" SIGN WITH 2 ADJACENT DROOPING SIDES. RED CENTRAL STAR WITH CIRCULAR VOID AROUND IT.
21.	M41	2287 CMa OCl	<u>21</u>	<u>01:40</u>	<u>25mm</u>	WIDELY SCATTERED. FILLS THE 25mm FOV. 12 CANIS MAJORIS JUST OUTSIDE THE FOV.
22.	M93	2447 Pup OCl	<u>27</u>	<u>02:07</u>	<u>9mm</u>	SOMEWHAT SMALL AND TIGHT WITH SEESAW ASTERISM AND 2 BRIGHTER STARS ON ONE SIDE.
23.	M47	2422 Pup OCl	<u>22</u>	<u>01:46</u>	<u>25mm</u>	BRIGHT STAR HD60855, AND A BENT LINE OF 3 STARS (CENTER STAR FAINTER) ARE PROMINENT.
24.	M46	2437 Pup OCl	<u>24</u>	<u>01:56</u>	<u>25mm</u>	GIL AND HEAVILY POPULATED WITH FAINTER STARS. PN NGC 2438 VISIBLE IN IT AS WELL.
25.	M50	2323 Mon OCl	<u>23</u>	<u>01:52</u>	<u>25mm</u>	STARS FORM A SEAGULL WITH DROOPING WINGS. BRIGHT RED STAR HD52938. AND BOSCELES TRIANGLE.
26.	M48	2548 Hya OCl	<u>38</u>	<u>02:50</u>	<u>25mm</u>	LARGE. FILLS 25mm FOV. ZIG-ZAG LINE OF 6 STARS AT CENTER.
27.	M44	2632 Cnc OCl	<u>25</u>	<u>01:58</u>	<u>25mm</u>	"BEEHIVE". LARGE!! HOUSE ASTERISM AT CENTER WITH TRIANGLE AT THE PEAK OF ROOF.
28.	M67	2682 Cnc OCl	<u>26</u>	<u>02:01</u>	<u>25mm</u>	SOMEWHAT FORMS A FAT "C", AND A CLOW OF FAINTER STARS. CREAM-COLORED HD75700 OUTSIDE.
29.	M95	3351 Leo G S	<u>29</u>	<u>02:18</u>	<u>9mm</u>	ROUND. FAIRLY BRIGHT CENTER. CENTRAL BAR APPEARED VISIBLE. CROOKED CROSS ASTERISM NEXT TO IT.
30.	M96	3368 Leo G S	<u>28</u>	<u>02:14</u>	<u>9mm</u>	OVAL. PRETTY BRIGHT AND DISTINCT CENTER. STAR JUST BELOW ONE SIDE.
31.	M105	3379 Leo G E	<u>30</u>	<u>02:24</u>	<u>9mm</u>	FAIRLY LARGE AND SLIGHTLY OVAL. VERY BRIGHT CENTER. ONE OF A TRIO.
32.	M65	3623 Leo G S	<u>31</u>	<u>02:29</u>	<u>9mm</u>	LARGE AND FAIRLY NARROW. FAIRLY BRIGHT SMALL NEARLY DISTINCT NUCLEUS. STAR IN EDGE.
33.	M66	3627 Leo G S	<u>32</u>	<u>02:30</u>	<u>9mm</u>	OVAL. FAIRLY BRIGHT. LINE OF 4 STARS TRAIL AWAY FROM IT. LADDER ASTERISM NEARBY.
34.	M81	3031 UMa G S	<u>33</u>	<u>02:34</u>	<u>25mm</u>	VERY LARGE, VERY BRIGHT OVAL SPIRAL. 2 BRIGHTER STARS ADJACENT. NGC 3077 VISIBLE NEARBY.
35.	M82	3034 UMa G Ir	<u>34</u>	<u>02:36</u>	<u>25mm</u>	CLEAR SHAPED. NARROW. PRETTY BRIGHT. 1 STAR JUST BELOW THE ONE END.
36.	M97	3587 UMa Pl	<u>35</u>	<u>02:40</u>	<u>9mm WITH UHC</u>	"OWL NEBULA". FAIRLY LARGE. "EYES" JUST VISIBLE WITH AVERTED VISION.
37.	M108	3556 UMa G S	<u>36</u>	<u>02:43</u>	<u>9mm</u>	NARROW. DISTINCT SMALL STELLAR NUCLEUS OFF CENTER. SPIRAL BUT LOOKS IRREGULAR.
38.	M109 and/or M109B	3992 UMa G S 3953 UMa G S	<u>37</u>	<u>02:47</u>	<u>9mm</u>	OVAL. SLIGHTLY BRIGHTER CENTER. 1 FAINTER STAR ON SPIRAL ARM. NOT FAR FROM "PHECOA".
39.	M40	- UMa 2St	<u>39</u>	<u>02:56</u>	<u>9mm</u>	WNC-4. PAIR OF STARS; FORMS A TRIANGLE WITH 70 URSAE MAJORIS AND NGC 4290.

40.	M106	4258	CVn	G S	<u>40</u>	<u>03:11</u>	<u>9mm</u>	SOMEWHAT FAINT. NARROW OVAL. A GRADUAL BRIGHTENING TO A SLIGHTLY BRIGHTER CENTER. A FAINT STAR ALMOST UNDER CENTER.
41.	M94	4736	CVn	G S	<u>41</u>	<u>03:15</u>	<u>9mm</u>	VERY BRIGHT, VERY LARGE. HAS A BRIGHT NEARLY DISTINCT NUCLEUS.
42.	M63	5055	CVn	G S	<u>42</u>	<u>03:20</u>	<u>9mm</u>	LARGE OVAL. GRADUAL BRIGHTENING TO SUDDENLY BRIGHTER NONDISTINCT NUCLEUS. BRIGHT STAR ON END.
43.	M51	5194	CVn	G S	<u>43</u>	<u>03:22</u>	<u>9mm</u>	FACE ON SPINAL. LARGE. FAIRLY LARGE NONDISTINCT NUCLEUS. INTERACTING WITH NGC 5195.
44.	M101	5457	UMa	G S	<u>44</u>	<u>03:26</u>	<u>25mm</u> <u>9mm</u>	LARGE, ALMOST ROUND. BRIGHTER SMALL NUCLEUS NOT QUITE DISTINCT. 2 STARS IN SPIRAL ARMS.
45.	M102	5866	Dra	GS0	<u>45</u>	<u>03:30</u>	<u>9mm</u>	FAIRLY BRIGHT, SMALL. LENS SHAPED. BRIGHTEN NUCLEUS. FORM EQUILATERAL TRIANGLE WITH 2 STARS.
46.	M53	5024	Com	Gl	<u>46</u>	<u>03:34</u>	<u>9mm</u>	NICE. OUTER EDGE ALMOST RESOLVED. PAIR OF BRIGHTER STARS OFF TO THE SIDE.
47.	M64	4826	Com	G S	<u>47</u>	<u>03:37</u>	<u>9mm</u>	"THE BLACK EYE GALAXY". OVAL. DARK LANE VISIBLE IMMEDIATELY.
48.	M3	5272	CVn	Gl	<u>48</u>	<u>03:39</u>	<u>9mm</u>	BIG AND BRIGHT. EASILY RESOLVED. NICE. 3 BRIGHTER STARS IN THE FOV.
49.	M98	4192	Com	G S	<u>49</u>	<u>03:44</u>	<u>9mm</u>	NOT OVERLY BRIGHT. NARROW LENS SHAPED. MODERATELY BRIGHTER NONDISTINCT NUCLEUS.
50.	M99	4254	Com	G S	<u>50</u>	<u>03:49</u>	<u>9mm</u>	FACE-ON, ROUND. FAIRLY LARGE. BRIGHT STAR HD07170 IN THE FOV. NGC 4262 NOT FAR OFF.
51.	M100	4321	Com	G S	<u>51</u>	<u>03:55</u>	<u>9mm</u>	NEARLY ROUND. CONSIDERABLY BRIGHTER NEARLY DISTINCT NUCLEUS. FORMS FLATTENED TRIANGLE WITH 2 STARS.
52.	M85	4382	Com	GS0	<u>52</u>	<u>03:59</u>	<u>9mm</u>	OVAL. 10TH MAG. FOREGROUND STAR ON IT. PAIRED WITH NGC 4394.
53.	M84	4374	Vir	GS0	<u>53</u>	<u>04:03</u>	<u>9mm</u>	ROUND AND BRIGHT. BRIGHT NONDISTINCT CENTER. PAIRED WITH M86.
54.	M86	4406	Vir	GS0	<u>54</u>	<u>04:04</u>	<u>9mm</u>	OVAL TO ROUND. BRIGHTER CENTER THAN M84 CENTER. "THE EYES GALAXIES"
55.	M87	4486	Vir	G E	<u>55</u>	<u>04:15</u>	<u>25mm</u>	BIG AND BRIGHT. ROUND. BRIGHTER CENTER. BRIGHTER STAR HD108915 NEXT TO IT.
56.	M89	4552	Vir	G E	<u>56</u>	<u>04:18</u>	<u>9mm</u>	ROUND AND SMALL WITH BRIGHT CENTER. 2 BRIGHTER STARS ON EACH SIDE FORMING A LINE.
57.	M90	4569	Vir	G S	<u>57</u>	<u>04:24</u>	<u>9mm</u>	OVAL, MODERATELY BRIGHT. QUITE DISTINCT STELLAR NUCLEUS.
58.	M88	4501	Com	G S	<u>58</u>	<u>04:29</u>	<u>9mm</u>	OVAL. SLIGHTLY BRIGHTER SMALL NEARLY DISTINCT NUCLEUS. STAR ON EDGE, AND 3 LITTLE FLUTTER OUT.
59.	M91	4548	Com	G S	<u>59</u>	<u>04:32</u>	<u>9mm</u>	FAIRLY LARGE. HINT OF CENTRAL BAR. BRIGHTER/OVAL CENTRAL REGION, BUT ROUND OVERALL.
60.	M58	4579	Vir	G S	<u>60</u>	<u>04:36</u>	<u>9mm</u>	ROUND. FAIRLY BRIGHT NONDISTINCT NUCLEUS. BRIGHT STAR HD109771 IN FOV.
61.	M59	4621	Vir	G E	<u>61</u>	<u>04:39</u>	<u>9mm</u>	OVAL. BRIGHT SMALL NEARLY DISTINCT NUCLEUS. BRIGHT STAR HIP61944 IN PAIR ON EDGE.
62.	M60	4649	Vir	G E	<u>62</u>	<u>04:43</u>	<u>9mm</u>	OVAL, CLOSE TO ROUND. SMALL BRIGHT NEARLY DISTINCT NUCLEUS. APPEARS INTERACTING WITH NGC 4447.
63.	M49	4472	Vir	G E	<u>63</u>	<u>04:46</u>	<u>9mm</u>	FAIRLY LARGE. ROUND. VERY BRIGHT CENTER. STAR ON IT, JUST OFF THE CENTER.
64.	M61	4303	Vir	G S	<u>64</u>	<u>04:53</u>	<u>9mm</u>	LARGE, ROUND, RATHER FAINT. SMALL NEAR STELLAR NUCLEUS. ASTEROID VIBICIA IN 25mm FOV.
65.	M104	4594	Vir	G S	<u>65</u>	<u>04:56</u>	<u>9mm</u>	"SOMBRENO GALAXY". NEARLY EDGE-ON. DARK LANE VISIBLE. OVAL, BRIGHT NUCLEUS. NICE.
66.	M68	4590	Hya	Gl	<u>76</u>	<u>07:10</u>	<u>25mm</u>	A TAD BIGGER THAN M80. NOT RESOLVED. 6 STARS FORM ADDING ARCS NEARBY. BEHIND TREE FOR LONG TIME.
67.	M83	5236	Hya	G S	<u>66</u>	<u>05:00</u>	<u>9mm</u>	ROUND, FACE-ON. CENTER FAIRLY BRIGHT, OUTER PART NOT VISIBLE. MANY STARS AROUND IT.
68.	M5	5904	Ser	Gl	<u>67</u>	<u>05:04</u>	<u>9mm</u>	BEAUTIFUL. RESOLVED TO THE CORE. SOMEWHAT LOW ALTITUDE IN THE EAST.

69.	M13	6205 Her Gl	<u>68</u>	<u>05:06</u>	<u>9mm</u>	MAGNIFICENT! LARGE AND BRIGHT. QUITE RESOLVABLE. NICE. DOESN'T GET ENOUGH CREDIT AS IT'S OVERSHADOWED BY M13.
70.	M92	6341 Her Gl	<u>69</u>	<u>05:53</u>	<u>9mm</u>	BRIGHT AND OVAL. NICE. FINALLY GOT ABOVE THE HOUSE.
71.	M57	6720 Lyr Pl	<u>77</u>	<u>07:17</u>	<u>15mm</u>	NOT VERY BIG OR BRIGHT. 10TH MAG. STAR ON EDGE AND 4 OR 5 RESOLVED. MANY FIELD STARS.
72.	M56	6779 Lyr Gl	<u>79</u>	<u>07:37</u>	<u>9mm</u>	LITTLE. FEW STARS. A RECTANGLE WITH STARS DIAGONALLY OFF 2 ADJACENT LONG SIDE CORNERS.
73.	M29	6913 Cyg OC1	<u>90</u>	<u>08:55</u>	<u>25mm</u>	VERY LARGE. NOT MANY STARS. 30-35. SPREAD OUT. TRIANGULAR SHAPED.
74.	M39	7092 Cyg OC1	<u>103</u>	<u>09:52</u>	<u>10x50 Bin.</u>	"THE DUMBBELL NEBULA". LARGE. BRIGHT. COULD JUST MAKE OUT NEBULOSITY BRIDGING THE PEAKS.
75.	M27	6853 Vul Pl	<u>87</u>	<u>08:37</u>	<u>9mm</u>	NOT TOO BRIGHT. ABOUT HALF DOZEN STARS IN AND ON THE EDGE RESOLVED. SITS IN A TRIANGLE OF STARS.
76.	M71	6838 Sge Gl	<u>86</u>	<u>08:34</u>	<u>9mm</u>	NOT VERY BRIGHT. LOW ALTITUDE. IN MIDDLE OF A CROSS ASTERISM OF STARS.
77.	M107	6171 Oph Gl	<u>70</u>	<u>06:29</u>	<u>15mm</u>	RESOLVED. 1 BRIGHT STAR ON EDGE. 2 LINES OF 3 STARS EACH FORMING SQUARE AND RECTANGLE
78.	M12	6218 Oph Gl	<u>71</u>	<u>06:37</u>	<u>15mm</u>	FAIRLY LARGE. APPEARED TO HAVE A TAIL. HAS A LINE OF 5 OFF THE EDGE. RESOLVED.
79.	M10	6254 Oph Gl	<u>72</u>	<u>06:40</u>	<u>15mm</u>	FAIRLY BIG. VERY POOR BEING OVER NEIGHBORS STREETLIGHT AND PORCH LIGHT. PAIR OF STARS OFF FOV.
80.	M14	6402 Oph Gl	<u>75</u>	<u>07:06</u>	<u>9mm</u>	NOT VERY BRIGHT. FAIR SIZE. IN TOP OF TREES. TRIANGLE WITH A PAIR OF STARS IN FOV.
81.	M9	6333 Oph Gl	<u>81</u>	<u>07:48</u>	<u>9mm</u>	BIG. MANY STARS. DIFFICULT TO RESOLVE DUE TO LOW 9° ALTITUDE. LINE OF STARS ACROSS THE CENTER.
82.	M4	6121 Sco Gl	<u>73</u>	<u>06:57</u>	<u>9mm</u>	NOT BIG. NOT RESOLVED DUE TO LOW ALTITUDE.
83.	M80	6093 Sco Gl	<u>74</u>	<u>07:01</u>	<u>9mm</u>	TWO 8TH MAG. STARS, 1 ONE EITHER SIDE.
84.	M19	6273 Oph Gl	<u>78</u>	<u>07:27</u>	<u>9mm</u>	FAIRLY BRIGHT FOR 8° ALTITUDE. OUTER EDGE JUST RESOLVED. "W" ASTERISM NEXT TO IT, SOUTH.
85.	M62	6266 Oph Gl	<u>80</u>	<u>07:42</u>	<u>25mm</u>	FAIRLY BRIGHT AND MODERATELY LARGE. UNRESOLVED. 7° ALTITUDE. IN WIND TURBINE BLADES.
86.	M6	6405 Sco OC1	<u>84</u>	<u>08:16</u>	<u>25mm</u>	BUTTERFLY SHAPE. FAIRLY LARGE. LOW 5° ALTITUDE RISING THROUGH WIND TURBINE RADIO TOWER.
87.	M7	6475 Sco OC1	<u>89</u>	<u>08:51</u>	<u>25mm</u>	VERY LARGE WITH MANY BRIGHT STARS FORMING A HAPHAZARD "H". LOW ALTITUDE. "PTOLEMY'S CLUSTER".
88.	M11	6705 Sct OC1	<u>83</u>	<u>08:08</u>	<u>9mm</u>	"THE WIND DUCK CLUSTER". "M" SHAPE PLAINLY VISIBLE. MANY STARS. BRIGHT RED STAR STANDOUT.
89.	M26	6694 Sct OC1	<u>88</u>	<u>08:47</u>	<u>9mm</u>	SMALL. CROOKED CROSS ASTERISM OF BRIGHTER STARS INSIDE. NOT VERY IMPRESSIVE.
90.	M16	6611 Ser OC1	<u>82</u>	<u>07:59</u>	<u>9mm</u>	"THE EAGLE NEBULA". CLUSTER IS EASY BUT ONLY A BIT OF NEBULOSITY DUE TO LOW ALTITUDE.
91.	M17	6618 Sgr DN	<u>85</u>	<u>08:22</u>	<u>25mm</u>	"THE OMEGA NEB." LOOKS LIKE A CHECK MARK. NICE. MANY MANY FIELD STARS.
92.	M18	6613 Sgr OC1	<u>91</u>	<u>09:02</u>	<u>9mm</u>	NOT MANY STARS. BRIGHTER STARS FORM A PROMINENT ARROW ASTERISM.
93.	M24	>6603 Sgr OC1	<u>92</u>	<u>09:09</u>	<u>9mm</u>	FOCUSED IN ON NGC 6603. VERY SMALL CLUSTER INSIDE M24 PROPER. FAINT GLOW.
94.	M25	I4725 Sgr OC1	<u>93</u>	<u>09:13</u>	<u>25mm</u>	LARGE. SPREAD OUT. NOT THAT MANY STARS. CREAM COLORED STAR USAGITARI AT CENTER.
95.	M23	6494 Sgr OC1	<u>94</u>	<u>09:16</u>	<u>25mm</u>	QUITE A FEW STARS. CIRCLE OF STARS AT CENTER WITH ARC OF STARS TAILING AWAY. HR6679 ON EDGE.
96.	M21	6531 Sgr OC1	<u>95</u>	<u>09:21</u>	<u>25mm</u>	NOT MANY STARS. 2 TRIANGLES OF STARS PROMINENT IN THE CENTER.
97.	M20	6514 Sgr DN	<u>96</u>	<u>09:23</u>	<u>25mm</u>	"THE TRIFID NEBULA". APPEARED CIRCULAR WITH 3 DARK LANES. BRIGHT STAR(S) AT CENTER.

98.	M8	6523 Sgr DN	<u>97</u>	<u>09:25</u>	<u>25mm</u>	BRIGHT AND LARGE. DARK LANE SEPARATES STAR 9 SAGITTARI WITH BRIGHTEST PORTION OF NEBULOSITY AND THE ASSOCIATED OPEN CLUSTER.
99.	M28	6626 Sgr Gl	<u>98</u>	<u>09:27</u>	<u>9mm</u>	FAIRLY BRIGHT. MODERATELY LARGE. 9TH MAG. STAR ON EDGE OF FOV. NOT RESOLVED.
100.	M22	6656 Sgr Gl	<u>99</u>	<u>09:31</u>	<u>9mm</u>	BIG. HAS 2 "LEGS" OF STARS TRAILING AWAY. ONE OF THE FINEST !!
101.	M69	6637 Sgr Gl	<u>100</u>	<u>09:33</u>	<u>9mm</u>	NOT VERY LARGE. NOT VERY BRIGHT. NOT IMPRESSIVE. BUT A LOW 8° ALTITUDE.
102.	M70	6681 Sgr Gl	<u>101</u>	<u>09:36</u>	<u>9mm</u>	SMALL AND DIM. 1 BRIGHTER STAR ON EDGE OF FOV. A PAIR AND LINE OF 4 STARS OUTSIDE FOV. 6° ALTITUDE.
103.	M54	6715 Sgr Gl	<u>102</u>	<u>09:39</u>	<u>9mm</u>	SMALL BRIGHT CORE WITH FAINT OUTER HALO. UNIQUE. FORMS A FLATTENED TRIANGLE WITH 2 STARS.
104.	M55	6809 Sgr Gl	_____	_____:	_____	_____
105.	M75	6864 Sgr Gl	_____	_____:	_____	_____
106.	M15	7078 Peg Gl	<u>104</u>	<u>10:03</u>	<u>9mm</u>	NICE. PRETTY LARGE. SMOOTH BRIGHTENING TO A BRIGHT CORE. BARELY RESOLVED.
107.	M2	7089 Aqr Gl	<u>105</u>	<u>10:20</u>	<u>25mm</u> <u>9mm</u>	LOW ALTITUDE SO NOT SEEN WELL. NOT RESOLVED. SEEN IN A VERY SMALL OPEN AREA.
108.	M72	6981 Aqr Gl	_____	_____:	_____	_____
109.	M73	6994 Aqr 4St	_____	_____:	_____	_____
110.	M30	7099 Cap Gl	_____	_____:	_____	_____

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 * Score: 105 of 110 !! *
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Key:

No. : Don Machholz' sequence number
 M# : Messier number
 NGC# : NGC (or IC) number
 Con : Constellation (abbreviated)
 Type : Object Type (see below)
 Your# : Your actual sequence number
 Time : Your observing time (in your time zone)
 Comments: Any important observing circumstances/results etc.

Types:

OCl=Open Cluster, Gl=Globular Cluster, Pl=Planetary Nebula,
 DN=Diffuse Nebula, G S=Spiral Galaxy, G E=Elliptical Galaxy,
 GIr=Irregular Galaxy, GS0=Lenticular (S0) Galaxy, SNR=SNR,
 2St=Binary Star, 4St=4 Star System