

Date: _____

ASTRONOMICAL OBSERVATIONS
MESSIER MARATHON

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M77 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M74 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M33 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M3 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M32 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M110 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M52 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M103 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M76 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M34 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M45 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M79 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M42 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M43 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M78 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M1 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M35 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M37 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

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M36 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M38 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M41 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M93 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M47 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M46 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M50 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M48 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M44 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M67 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M95 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M96 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M105 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M65 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M66 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M81 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M82 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M97 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

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M108 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M109 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M40 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M106 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M94 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M63 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M51 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M101 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M102 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M53 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M64 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M3 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M98 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M99 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M100 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M85 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M84 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M86 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

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M87 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M89 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M90 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M88 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M91 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M58 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M59 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M60 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M49 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M61 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M104 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M68 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M83 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M5 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M13 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M92 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M57 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M56 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

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M29 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M39 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M27 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M71 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M107 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M12 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M10 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M14 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M9 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M4 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M80 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M19 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M62 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M6 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M7 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M11 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M26 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M16 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

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M17 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M18 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M24 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M25 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M23 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M21 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M20 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M8 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M28 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M22 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M69 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M70 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M54 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M55 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M75 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M15 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M2 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M72 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

Date: _____

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M73 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE

M30 _____ mm Diff ___B ___F ___L ___S El EOn Oval R Patch UB ___Nuc NND ___HISB AV Susp PFGE