# Star Formation & Dust Heating in the FIR Compact Sources of M83

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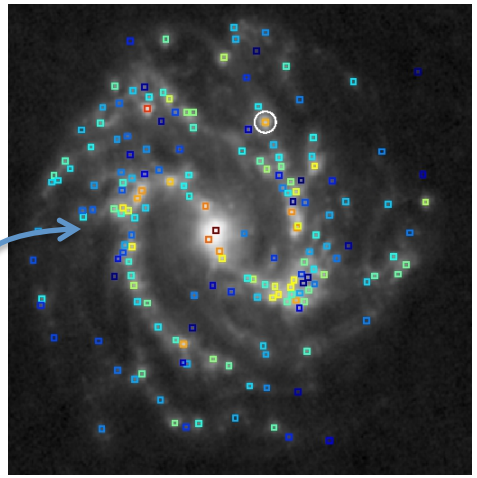
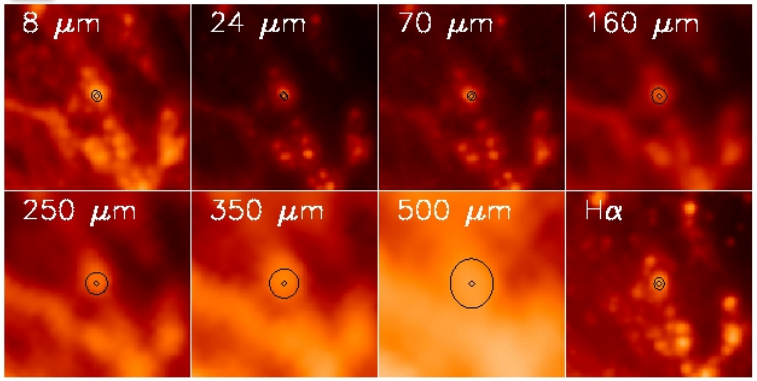
**1** Detect compact sources in far-IR (Herschel)

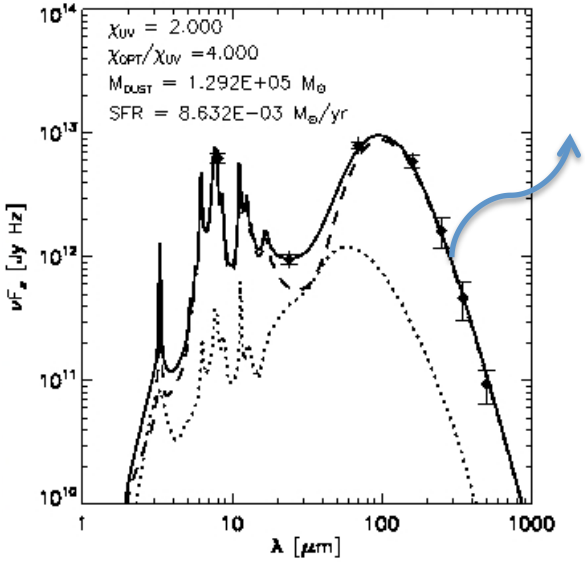
Sizes of R~150 pc



**2** Measure fluxes in Hα, MIR & FIR




**3** Fit SED of IR dust emission for each source




Combination of PDR/HII region and diffuse dust emission

What type of radiation field is heating the compact sources?

How does the star formation rate and efficiency vary among sources?