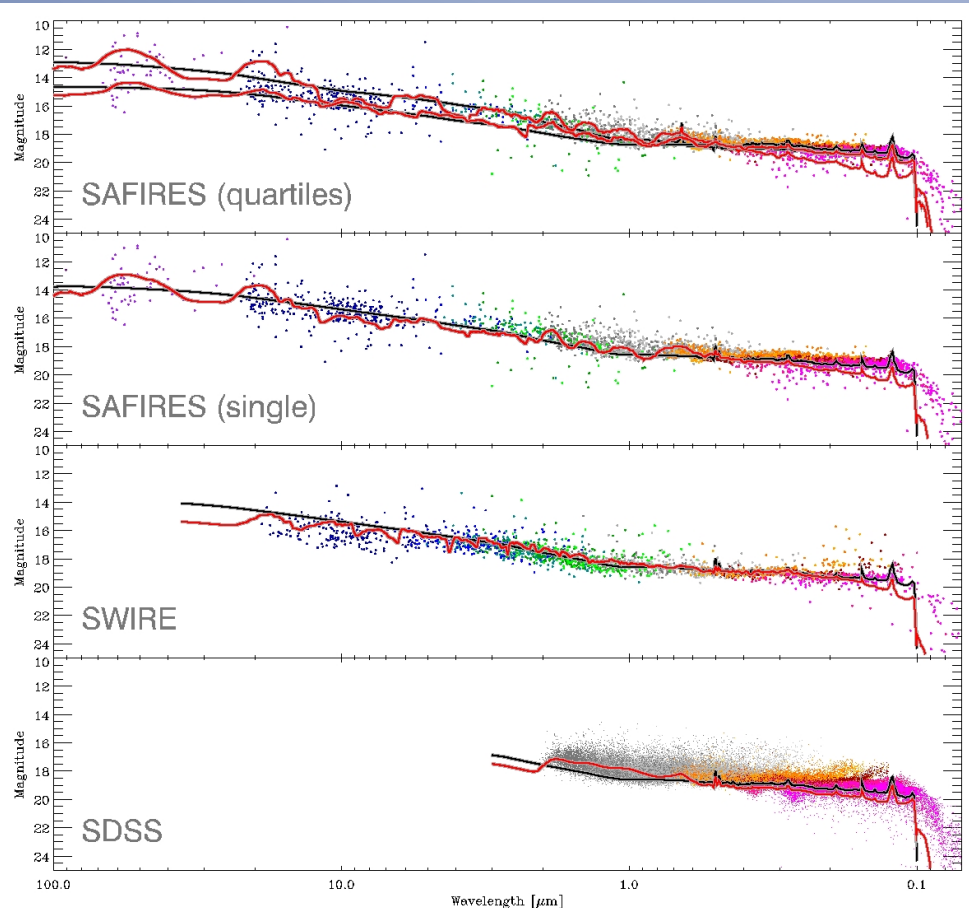


Quasar SEDs from the SAFIRES Archival Survey

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- SAFIRES combines all seven IRAC and MIPS bands into a single Source List, with $\sim 100,000$ sources expected in 70/160 μm
- Even with only a small preliminary set of observations, we found 656 quasars with MIPS data, more than previous data sets used to generate quasar templates
- Input templates were drawn from Polletta et al. (2007), which were generated using only a handful of QSOs
- Template-fitting code was provided by Tamás Budavári, used for his 2001 paper
- 50 iterations are used to adjust the templates (in black) into a more accurate version (in red)
- We are generating a robust set of mid-IR eigenspectra, using a more complete set of 70/160 μm than any previous works

Shown: (top to bottom) SAFIRES using two input templates, SAFIRES using one template, SDSS +2MASS+IRAC+24 μm , and SDSS+2MASS alone