Observations

What wavelength range is the short_range observation covering?

- 13.6-16.3 micron
- 4.9-10.0 micron
- 13.6-25.3 micron

Which observations shows a prominent silicate feature?

- short_range
- full_range
- CO2_only

Which observations do you think will be the fasted to fit?

- short_range
- full_range
- CO2_only

Which molecules are visible in the short wavelength observation? (difficult)

- CO2, HCN, C2H2
- H2O, HCN,C2H2
- CO2, HCN, C2H2, H2O

Input files

Which dust grain sizes are used for all included species?

- 0.1, 2.0, and 5.0 micron
- 0.1, 1.0, 2.0, and 5.0 micron
- 0.1, 1.0, 2.0, 3.0, 4.0 and 5.0 micron

What distance to the object is used during the fitting?

- 100pc
- 120pc
- 140pc

What is the prior temperature range for CO2?

- 200K - 800K

- 10K - 1500K
- 15K - 18K

What is the evidence tolerance of the retrieval?

- 0.5
- 2
- 5

CO_2 Only

How large is the average deviation between model and observation (estimate based on figure)?

- smaller than 0.2%
- between 0.2% and 2%
- larger than 2%

Which dust species is most abundant (ignoring the large error bars)?

- Am Mg-Olivine of size 0.1 micron
- Am Mg-Pyroxene of size 2.0 micron
- Forsterite of size 5 micron

What is the most probable temperature of CO2?

- 200K
- 400K
- 600K

What is the most probable column density of CO2?

- ~10^14.2
- ~10^15.9
- ~10^17.6

What is the most probable noise added to the mock observation?

- ~10^-5
- ~10^-4
- ~10^-3

Does the observation constrain the inner rim temperature?

- Yes
- No

What is radius of the emitting area of CO2?

- between 0.01au and 0.05au
- between 0.1au and 0.5au
- between 1au and 5au

Is there a degeneracy between emitting area and column density of CO2?

- Yes
- No