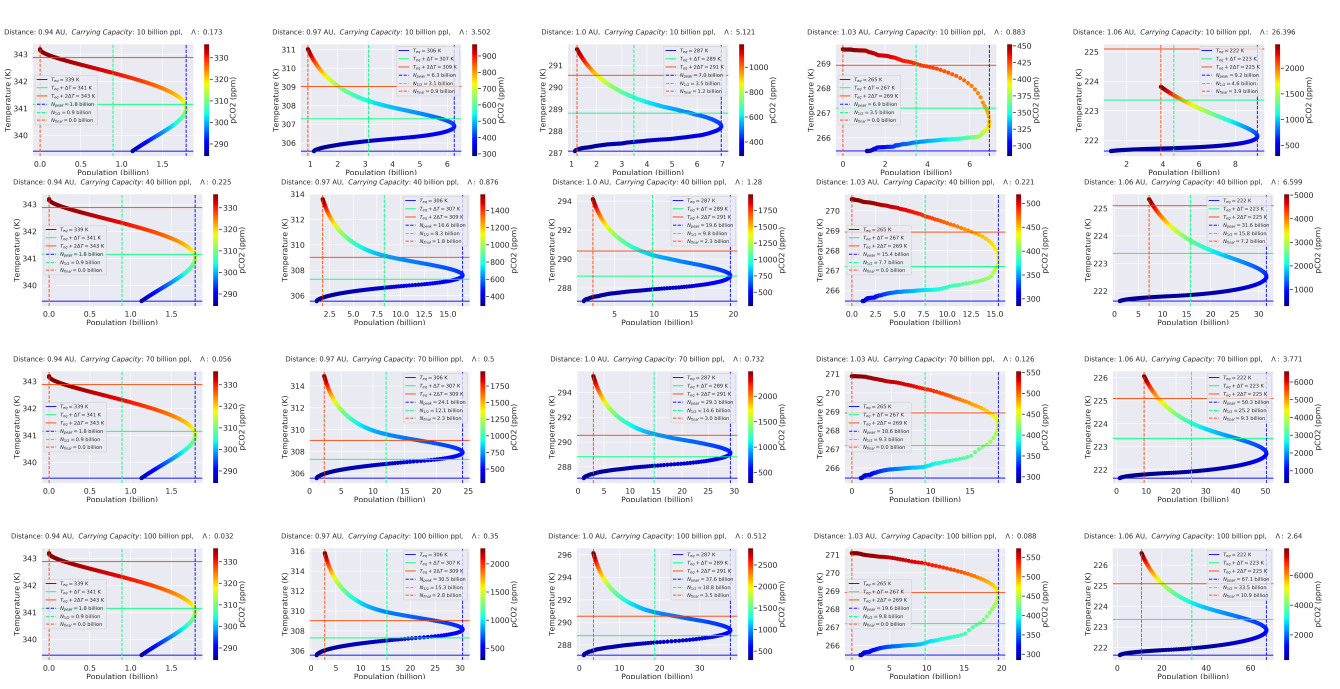
Distance: 0.94 AU, Carrying Capacity: 10 billion ppl, Λ: 0.173
T_{eq} = 339 K
T_{eq} + δT = 341 K
T_{eq} + 2δT = 343 K
N_{pop} = 1.8 billion
N_{CO_2} = 0.9 billion
N_{CH_4} = 0.0 billion
Distance: 0.97 AU, Carrying Capacity: 10 billion ppl, Λ: 3.502
T_{eq} = 306 K
T_{eq} + δT = 307 K
T_{eq} + 2δT = 309 K
N_{pop} = 6.3 billion
N_{CO_2} = 3.1 billion
N_{CH_4} = 0.9 billion
Distance: 1.0 AU, Carrying Capacity: 10 billion ppl, Λ: 5.121
T_{eq} = 287 K
T_{eq} + δT = 289 K
T_{eq} + 2δT = 290 K
N_{pop} = 7.0 billion
N_{CO_2} = 3.5 billion
N_{CH_4} = 1.2 billion
Distance: 1.03 AU, Carrying Capacity: 10 billion ppl, Λ: 0.883
T_{eq} = 265 K
T_{eq} + δT = 267 K
T_{eq} + 2δT = 269 K
N_{pop} = 6.9 billion
N_{CO_2} = 3.5 billion
N_{CH_4} = 0.0 billion
Distance: 1.06 AU, Carrying Capacity: 10 billion ppl, Λ: 26.396
T_{eq} = 222 K
T_{eq} + δT = 223 K
T_{eq} + 2δT = 225 K
N_{pop} = 9.2 billion
N_{CO_2} = 4.6 billion
N_{CH_4} = 3.9 billion
Distance: 0.94 AU, Carrying Capacity: 40 billion ppl, Λ: 0.225
T_{eq} = 339 K
T_{eq} + δT = 341 K
T_{eq} + 2δT = 343 K
N_{pop} = 1.8 billion
N_{CO_2} = 0.9 billion
N_{CH_4} = 0.0 billion
Distance: 0.97 AU, Carrying Capacity: 40 billion ppl, Λ: 0.876
T_{eq} = 306 K
T_{eq} + δT = 307 K
T_{eq} + 2δT = 309 K
N_{pop} = 16.6 billion
N_{CO_2} = 8.2 billion
N_{CH_4} = 1.8 billion
Distance: 1.0 AU, Carrying Capacity: 40 billion ppl, Λ: 1.28
T_{eq} = 287 K
T_{eq} + δT = 289 K
T_{eq} + 2δT = 291 K
N_{pop} = 19.6 billion
N_{CO_2} = 9.8 billion
N_{CH_4} = 2.3 billion
Distance: 1.03 AU, Carrying Capacity: 40 billion ppl, Λ: 0.221
T_{eq} = 265 K
T_{eq} + δT = 267 K
T_{eq} + 2δT = 269 K
N_{pop} = 15.4 billion
N_{CO_2} = 7.7 billion
N_{CH_4} = 0.0 billion
Distance: 1.06 AU, Carrying Capacity: 40 billion ppl, Λ: 6.599
T_{eq} = 222 K
T_{eq} + δT = 223 K
T_{eq} + 2δT = 225 K
N_{pop} = 15.8 billion
N_{CO_2} = 7.2 billion
Distance: 0.94 AU, Carrying Capacity: 70 billion ppl, Λ: 0.056
T_{eq} = 339 K
T_{eq} + δT = 341 K
T_{eq} + 2δT = 343 K
N_{pop} = 1.8 billion
N_{CO_2} = 0.9 billion
N_{CH_4} = 0.0 billion
Distance: 0.97 AU, Carrying Capacity: 70 billion ppl, Λ: 0.5
T_{eq} = 306 K
T_{eq} + δT = 307 K
T_{eq} + 2δT = 309 K
N_{pop} = 24.1 billion
N_{CO_2} = 12.1 billion
N_{CH_4} = 2.3 billion
Distance: 1.0 AU, Carrying Capacity: 70 billion ppl, Λ: 0.732
T_{eq} = 287 K
T_{eq} + δT = 289 K
T_{eq} + 2δT = 291 K
N_{pop} = 29.3 billion
N_{CO_2} = 14.6 billion
N_{CH_4} = 3.0 billion
Distance: 1.03 AU, Carrying Capacity: 70 billion ppl, Λ: 0.126
T_{eq} = 265 K
T_{eq} + δT = 267 K
T_{eq} + 2δT = 269 K
N_{pop} = 18.6 billion
N_{CO_2} = 9.3 billion
N_{CH_4} = 0.0 billion
Distance: 1.06 AU, Carrying Capacity: 70 billion ppl, Λ: 3.771
T_{eq} = 222 K
T_{eq} + δT = 223 K
T_{eq} + 2δT = 225 K
N_{pop} = 50.3 billion
N_{CO_2} = 25.2 billion
N_{CH_4} = 9.3 billion
Distance: 0.94 AU, Carrying Capacity: 100 billion ppl, Λ: 0.032
T_{eq} = 339 K
T_{eq} + δT = 341 K
T_{eq} + 2δT = 343 K
N_{pop} = 1.8 billion
N_{CO_2} = 0.9 billion
N_{CH_4} = 0.0 billion
Distance: 0.97 AU, Carrying Capacity: 100 billion ppl, Λ: 0.35
T_{eq} = 306 K
T_{eq} + δT = 307 K
T_{eq} + 2δT = 309 K
N_{pop} = 30.5 billion
N_{CO_2} = 15.3 billion
N_{CH_4} = 2.8 billion
Distance: 1.0 AU, Carrying Capacity: 100 billion ppl, Λ: 0.512
T_{eq} = 287 K
T_{eq} + δT = 289 K
T_{eq} + 2δT = 291 K
N_{pop} = 37.6 billion
N_{CO_2} = 18.8 billion
N_{CH_4} = 3.5 billion
Distance: 1.03 AU, Carrying Capacity: 100 billion ppl, Λ: 0.088
T_{eq} = 265 K
T_{eq} + δT = 267 K
T_{eq} + 2δT = 269 K
N_{pop} = 19.6 billion
N_{CO_2} = 9.8 billion
N_{CH_4} = 0.0 billion
Distance: 1.06 AU, Carrying Capacity: 100 billion ppl, Λ: 2.64
T_{eq} = 222 K
T_{eq} + δT = 223 K
T_{eq} + 2δT = 225 K
N_{pop} = 67.1 billion
N_{CO_2} = 33.5 billion
N_{CH_4} = 10.9 billion
Temperature (K)
Population (billion)
pCO2 (ppm)