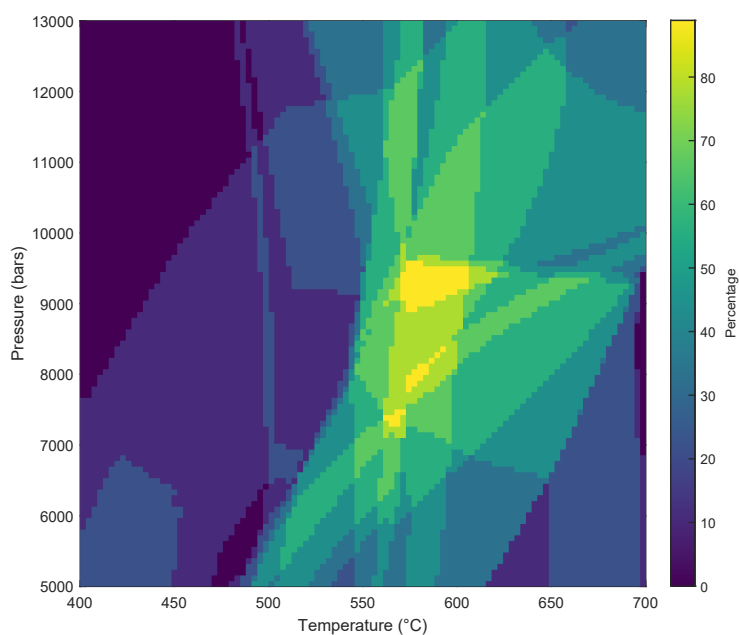




INPUT: raw = 0, sd = 2



L0.fig1: isopleth fields % overlap heatmap

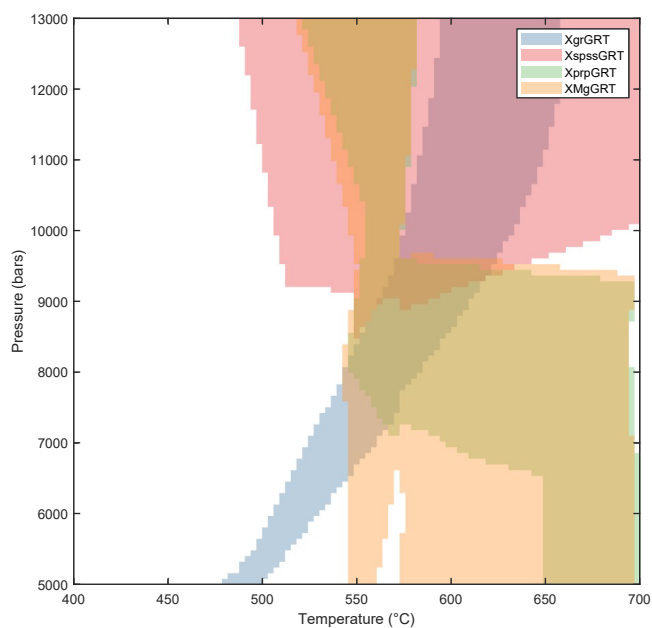
Parameters displayed:

 X_{Gr} , X_{Spss} , X_{Prp} , X_{Mg} in GrtSi, X_{Ti} , X_{Mg} in Bt

Si in Mu

 X_{Ab} in Na-Fsp

Max = 88.9% (8/9 fields)

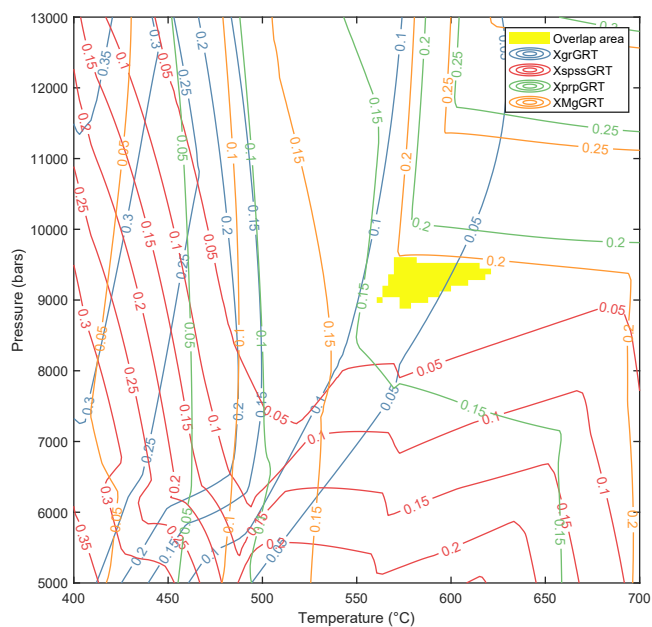


L0.fig2: isopleth fields

INPUT:

sd = 2

Parameters displayed:

 X_{Gr} , X_{Spss} , X_{Prp} , X_{Mg} in Grt

L0.fig3: isopleth contours

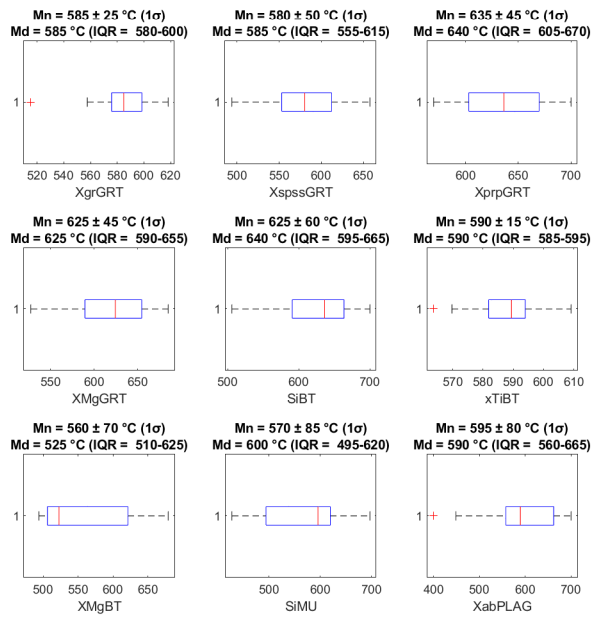
INPUT:

sd = 2

Parameters displayed:

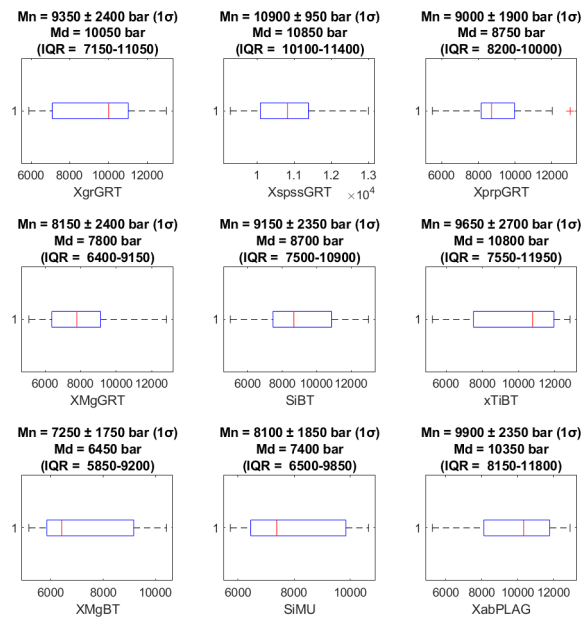
 X_{Gr} , X_{Spss} , X_{Prp} , X_{Mg} in Grt

INPUT: raw = 0, n = 500



L1 fig1: boxplots of parameter temperature uncertainty
data: mean and 1 s.d. OR median and IQ range

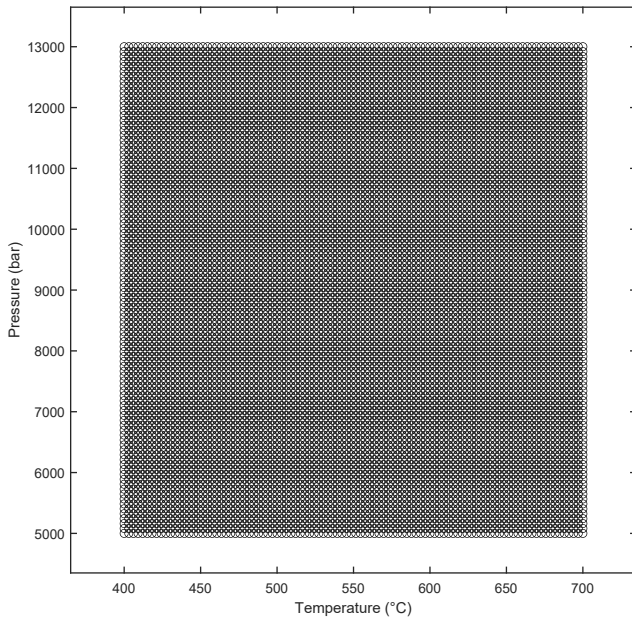
Parameters displayed:
 X_{GrS} , X_{Spss} , X_{Prp} , X_{Mg} in Grt
 Si , X_{Ti} , X_{Mg} in Bt
 Si in Mu
 X_{Ab} in Na-Fsp



L1 fig2: boxplots of parameter pressure uncertainty
data: mean and 1 s.d. OR median and IQ range

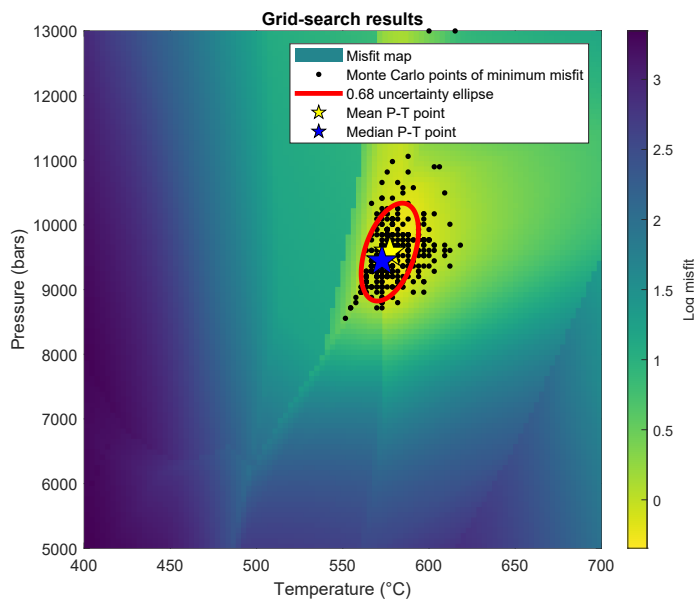
Parameters displayed:
 X_{GrS} , X_{Spss} , X_{Prp} , X_{Mg} in Grt
 Si , X_{Ti} , X_{Mg} in Bt
 Si in Mu
 X_{Ab} in Na-Fsp

INPUT: raw = 0, bootstrap = 1, iterations = 500, confidence_level = 0.68, boxplots = 0, plot_type = 0, T_bins = 10, P_bins = 10



L2_fig1: model grid

100x100 grid (ensure sufficient overlap)

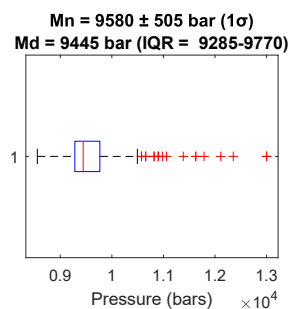
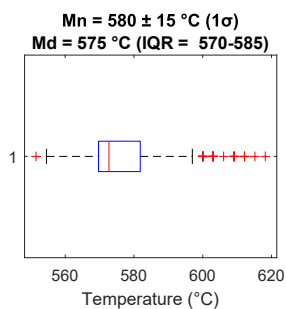


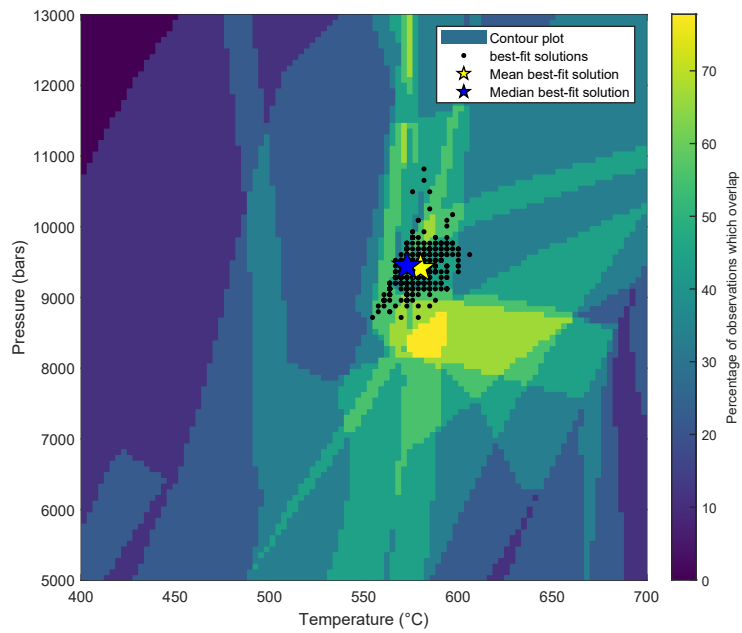
L2_fig2: grid search best-fit solutions

Data: mean \pm 1 s.d. or median and IQ range

Parameters displayed:
 X_{Gr_s} , X_{Sp_s} , X_{Pr_p} , X_{Mg} in Grt
 Si , X_{Ti} , X_{Mg} in Bt
 Si in Mu
 X_{Ab} in Na-Fsp

N.b. best-fit results available for separate processing in
 output_variables/PT_solutions.csv





L2_fig3: best-fit solutions and % overlap heatmap

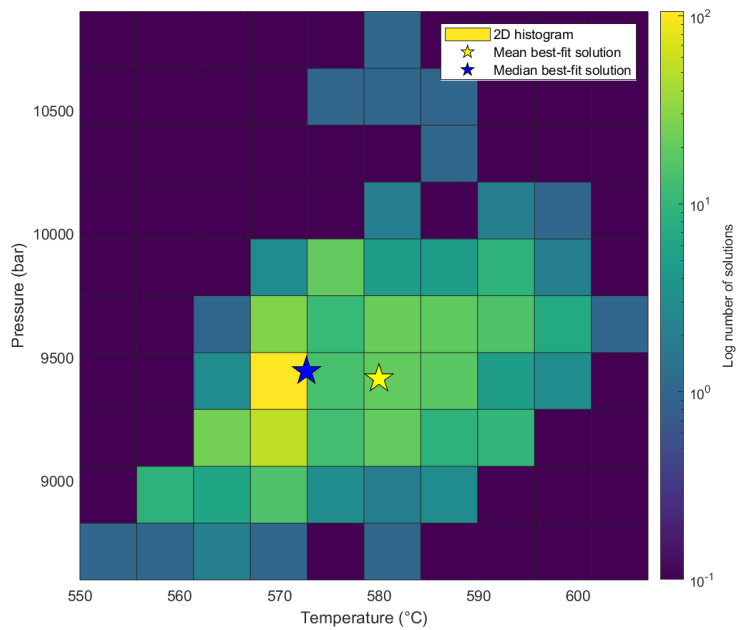
Parameters displayed:

 X_{Grs} , X_{Spss} , X_{Prp} , X_{Mg} in GrtSi, X_{Ti} , X_{Mg} in Bt

Si in Mu

 X_{Ab} in Na-Fsp

Max = 88.9% (8/9 fields)



L2_fig4: 2D histogram of best-fit solutions

Parameters displayed:

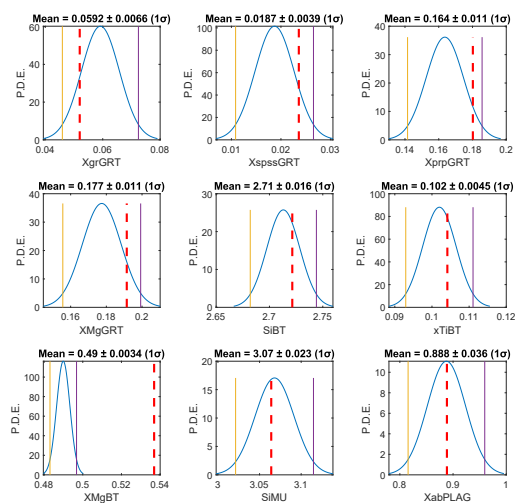
 X_{Grs} , X_{Spss} , X_{Prp} , X_{Mg} in GrtSi, X_{Ti} , X_{Mg} in Bt

Si in Mu

 X_{Ab} in Na-Fsp

L3_residuals

INPUT: raw = 0, T_best = 575, P_best = 9445

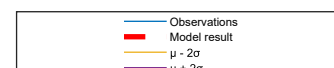


L3_fig1: residuals at given P-T point

Parameters displayed:

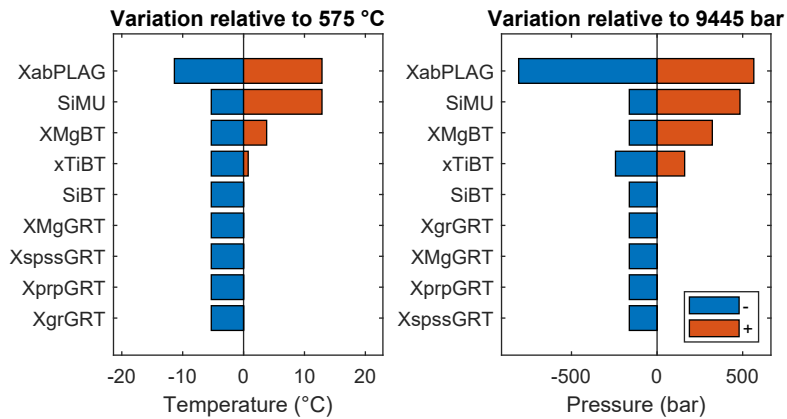
 X_{Grs} , X_{Spss} , X_{Prp} , X_{Mg} in GrtSi, X_{Ti} , X_{Mg} in Bt

Si in Mu

 X_{Ab} in Na-Fsp



INPUT: raw = 0, bootstrap = 1, iterations = 500, T_best = 575, P_best = 9445



L4_fig1: parameter sensitivity

Tornado plot showing sensitivity of best-fit solutions to uncertainty in input parameters

Parameters displayed:

X_{Grs} , X_{Spss} , X_{Prp} , X_{Mg} in Grt

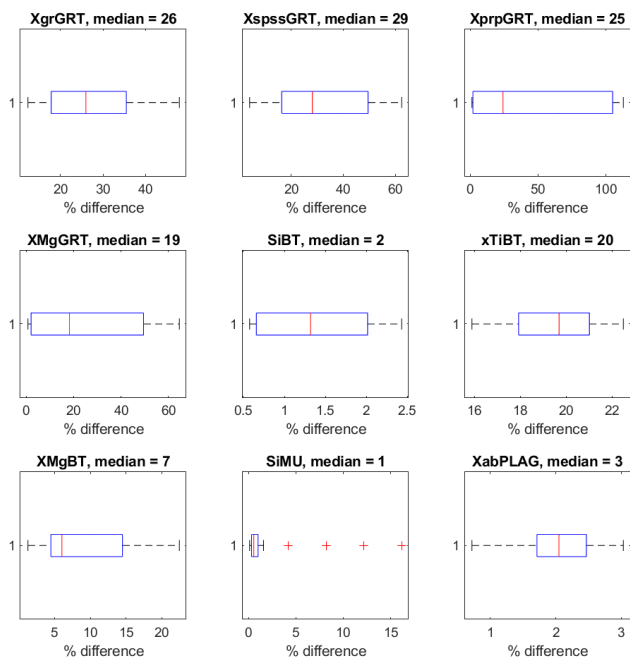
Si , X_{Ti} , X_{Mg} in Bt

Si in Mu

X_{Ab} in Na-Fsp

EXTRA_synthetic_variation

INPUT: threshold = 50, pressure_of_interest = 9000



X_fig1: predicted uncertainty

Parameters included:

X_{Grs} , X_{Spss} , X_{Prp} , X_{Mg} in Grt

Si , X_{Ti} , X_{Mg} in Bt

Si in Mu

X_{Ab} in Na-Fsp

median % difference