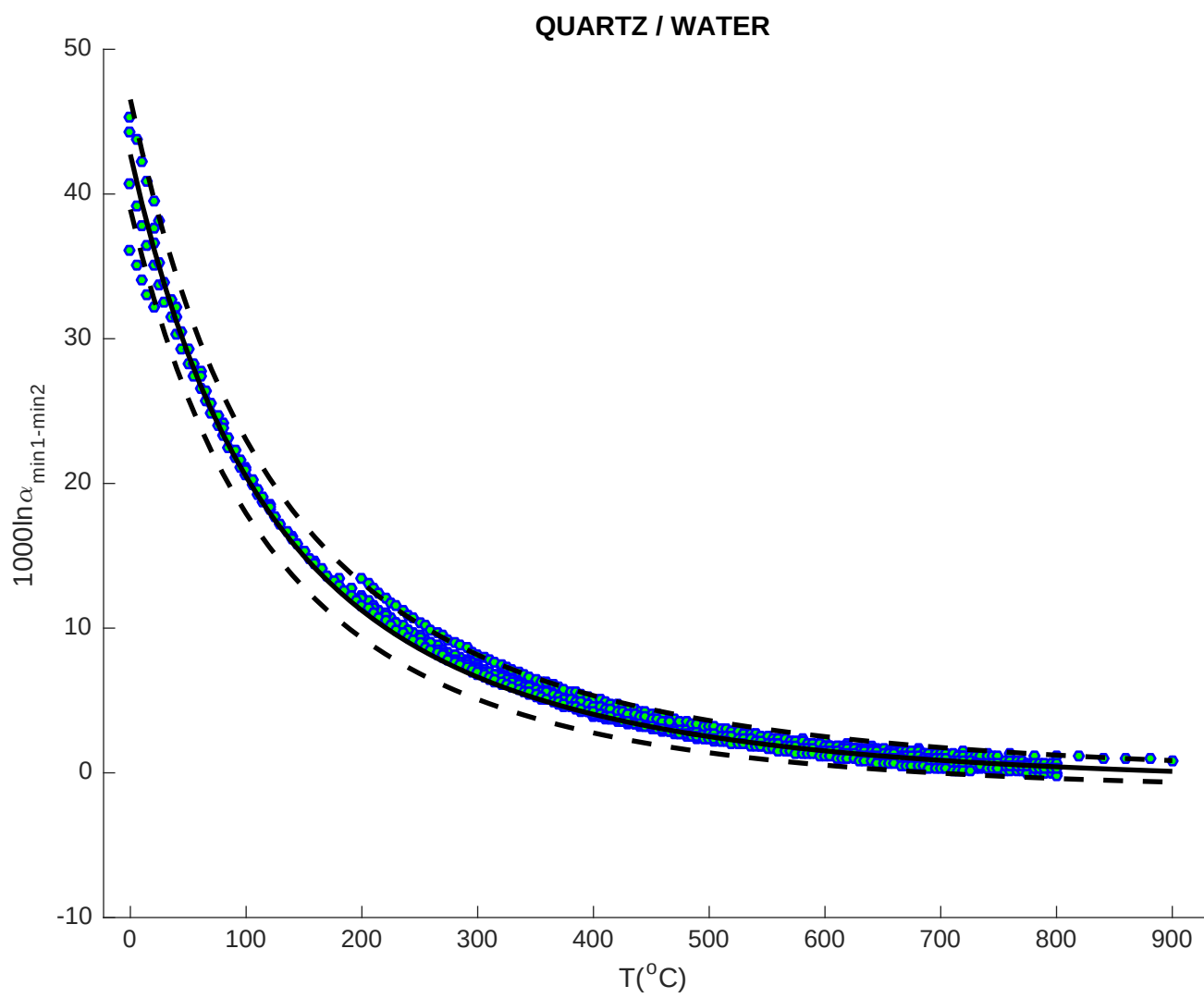


SUPPLEMENTARY DATA 3

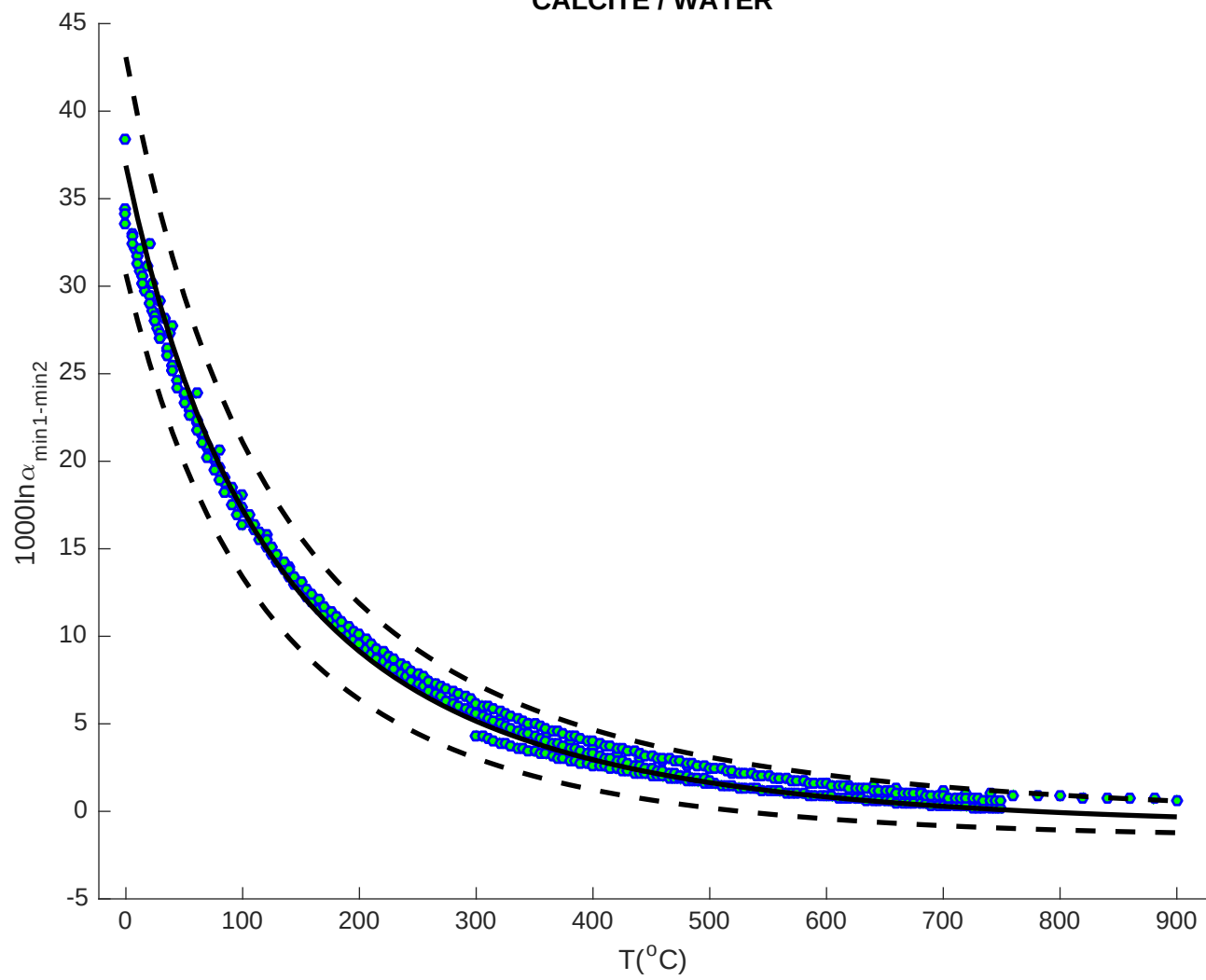
PLOTS OF MODEL RESULTS AND DETAILED REPORT

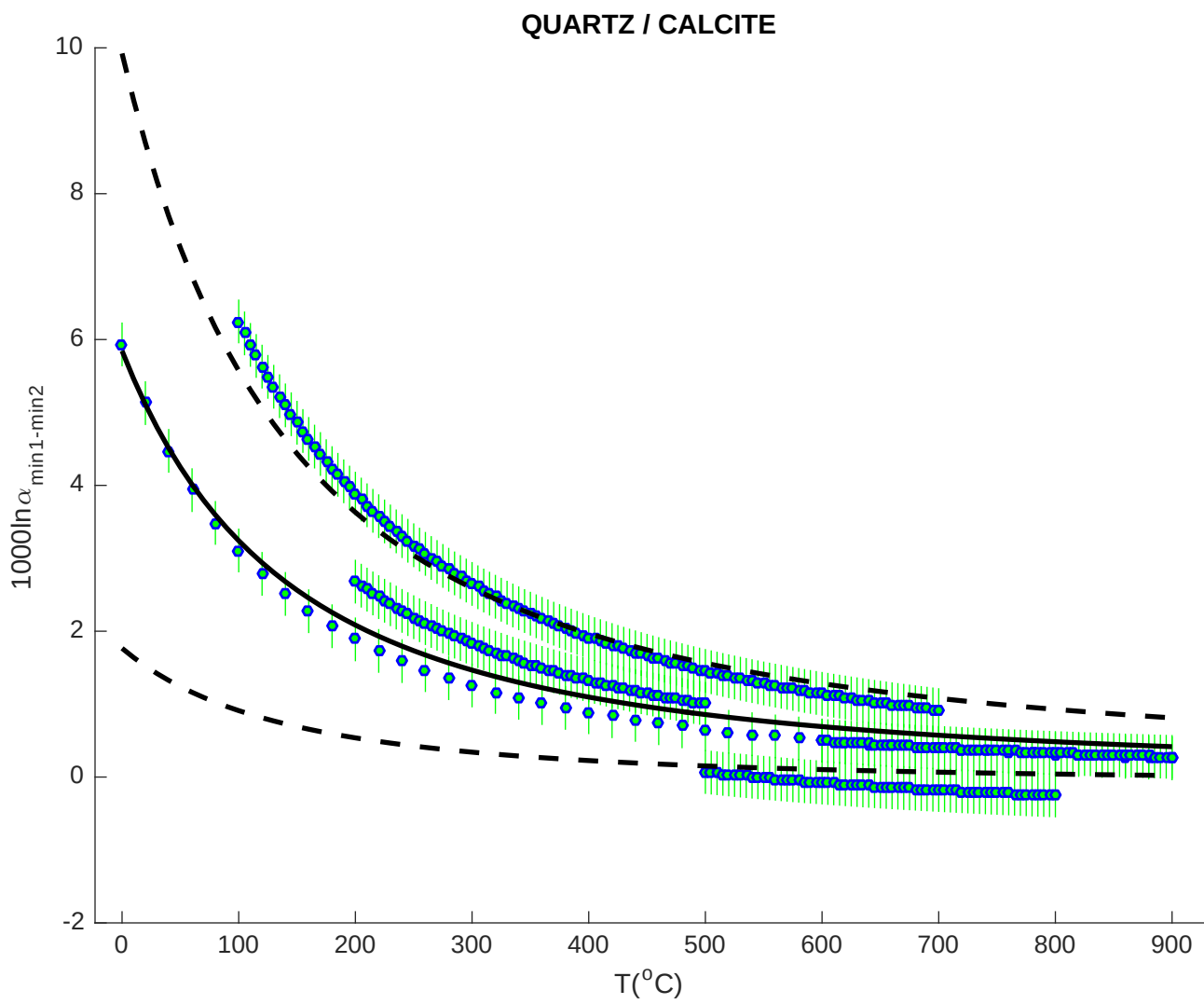
Pages 2 – 401. Optimized fractionation curves (black continuous lines) for temperature (°C) vs. $1000\ln\alpha_{\text{ph1-ph2}}$. The dots represent the secondary data and the vertical bars the arbitrary uncertainty of 0.3 ‰ (2σ) assigned to each secondary data point (see text for details). Black dotted lines define the uncertainty envelope (at 95 % confidence) of the optimised curves calculated as explained in the text.

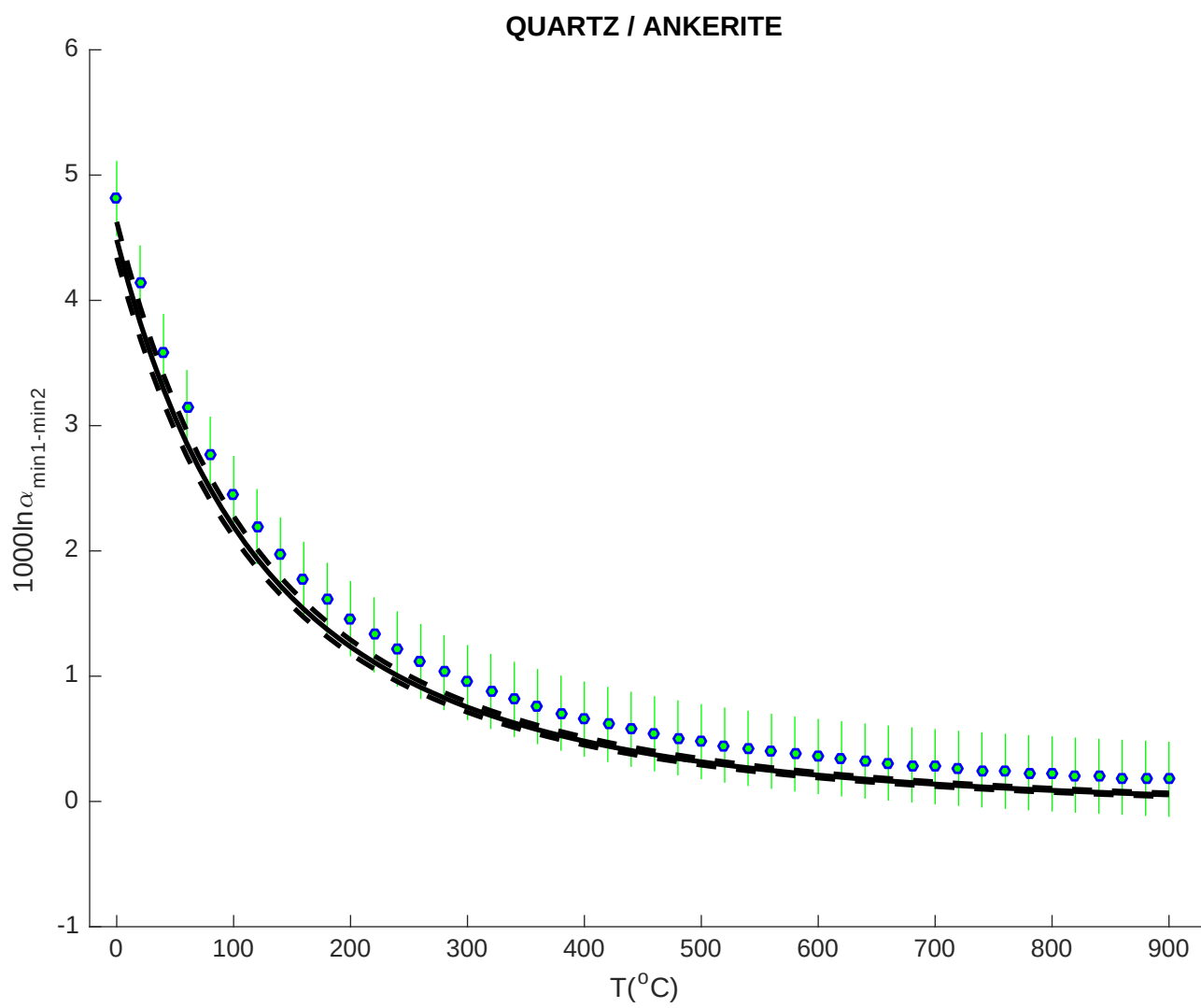
Pages 402- 522. Detailed report on the calculation. For each phase/phase couple all the primary data used for the optimization are listed and include information about the type of primary data (TH = theoretical calculation, EX = experimental calibration, NT = natural calibration, MX = mixed data), the temperature range (in °C), the number of secondary data points obtained after the discretization, the percentage of secondary data that are within the uncertainty envelope and a an additional comment (FIT WITHIN UNCERTAINTY = 95 % or more of the secondary data are within uncertainty, PARTIAL FIT = between 50 % and 95 % of the secondary data are within uncertainty, BAD FIT = less than 50 % of the secondary data are within uncertainty, OUT = no secondary data within uncertainty).

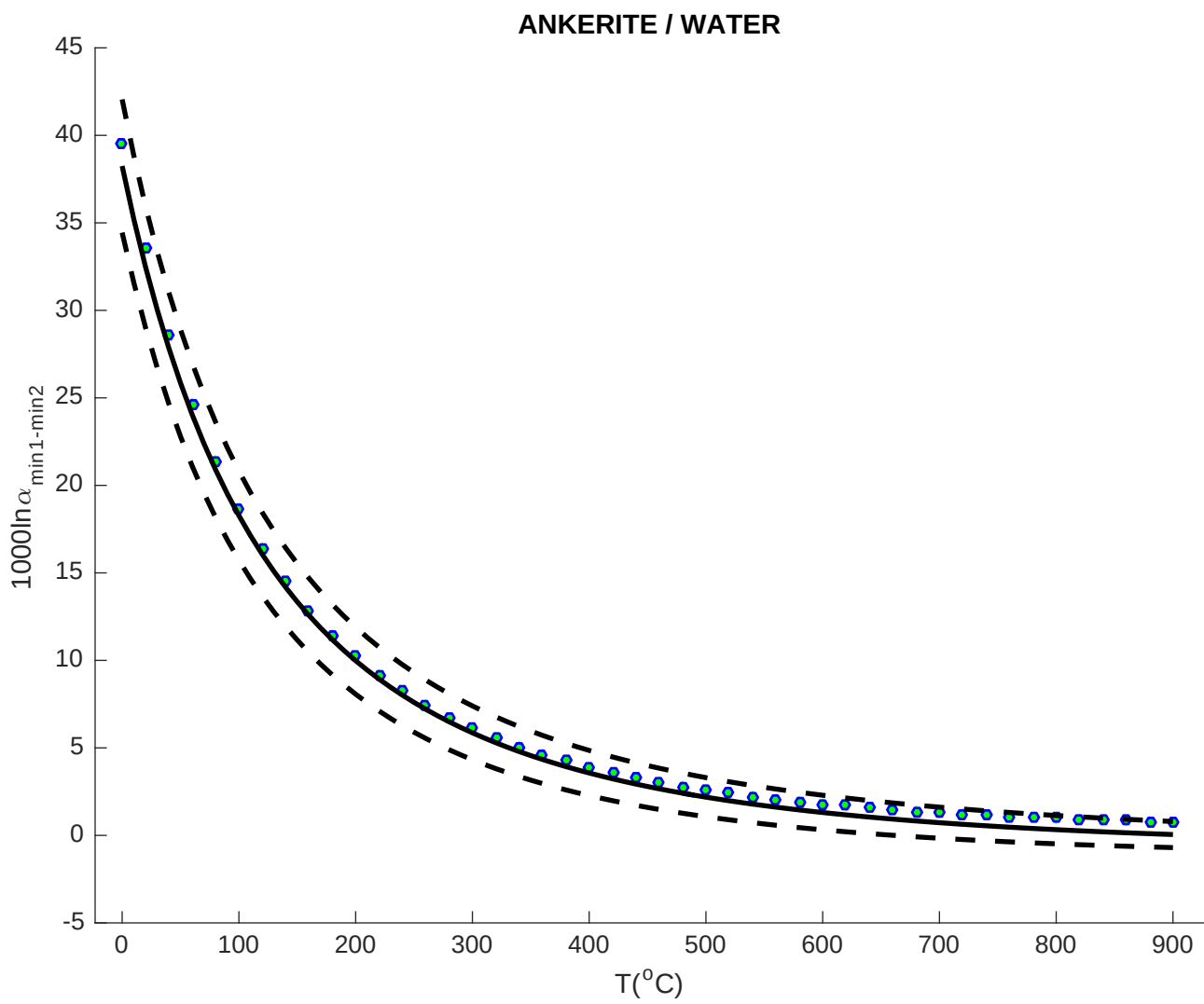


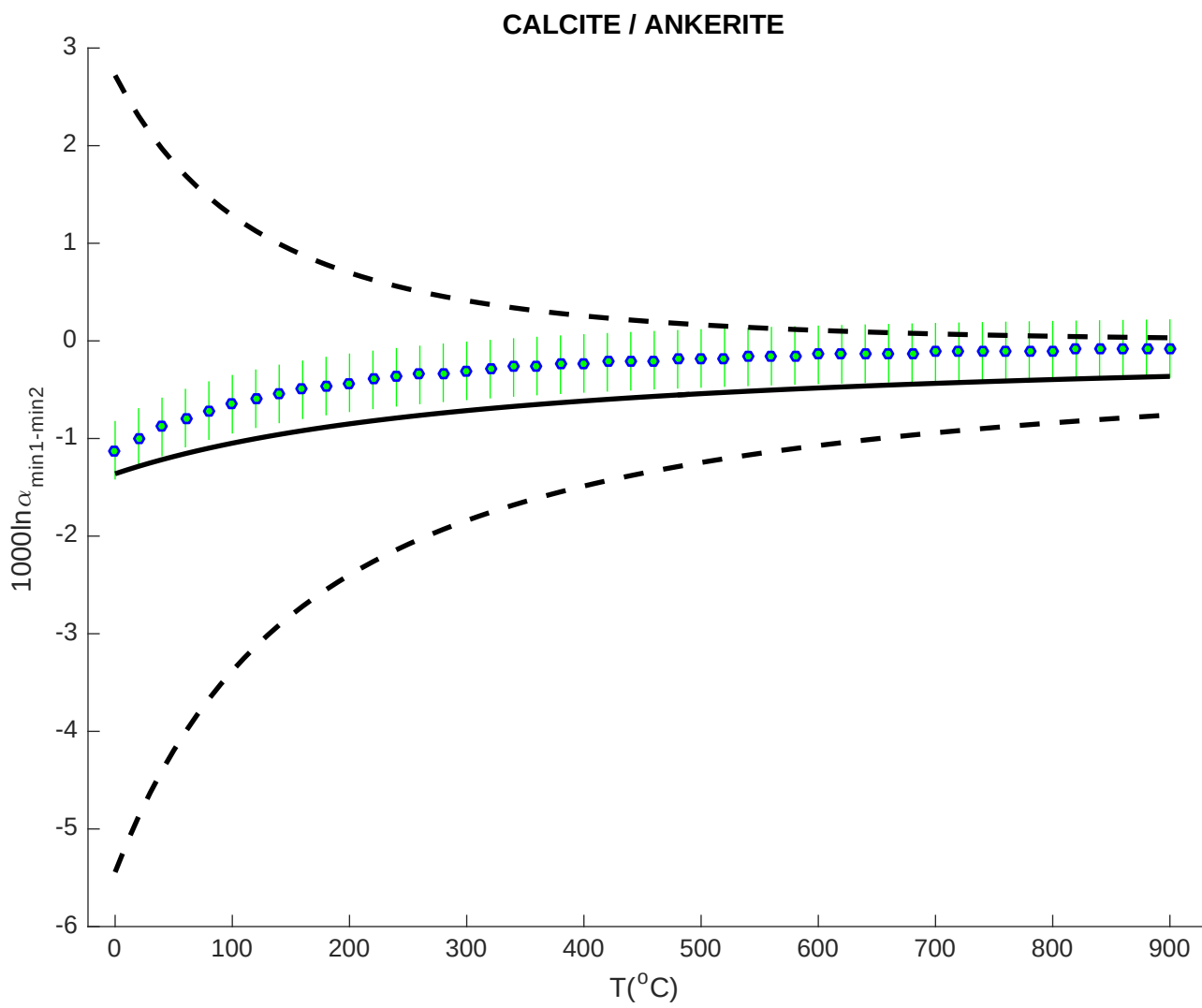
CALCITE / WATER

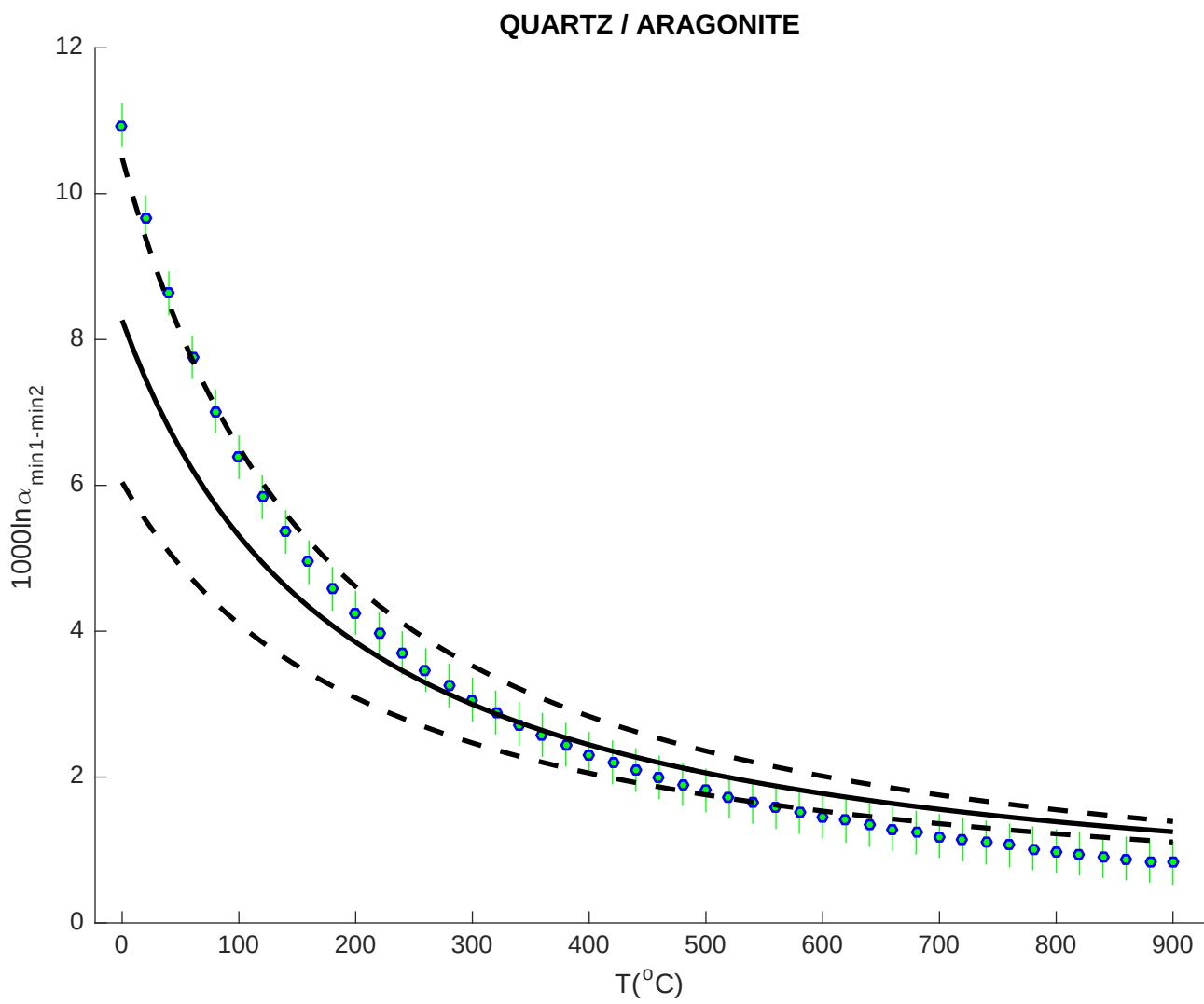


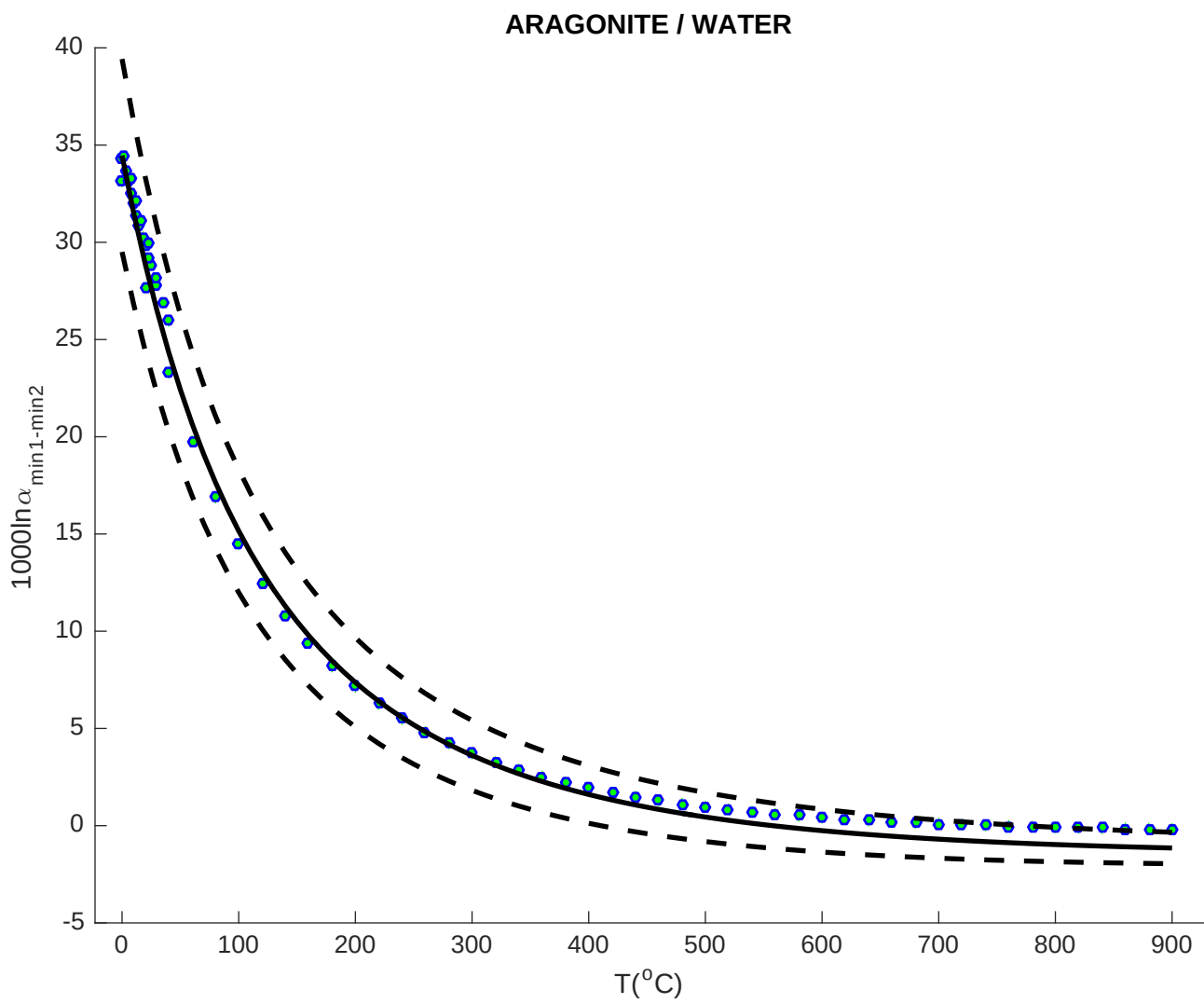


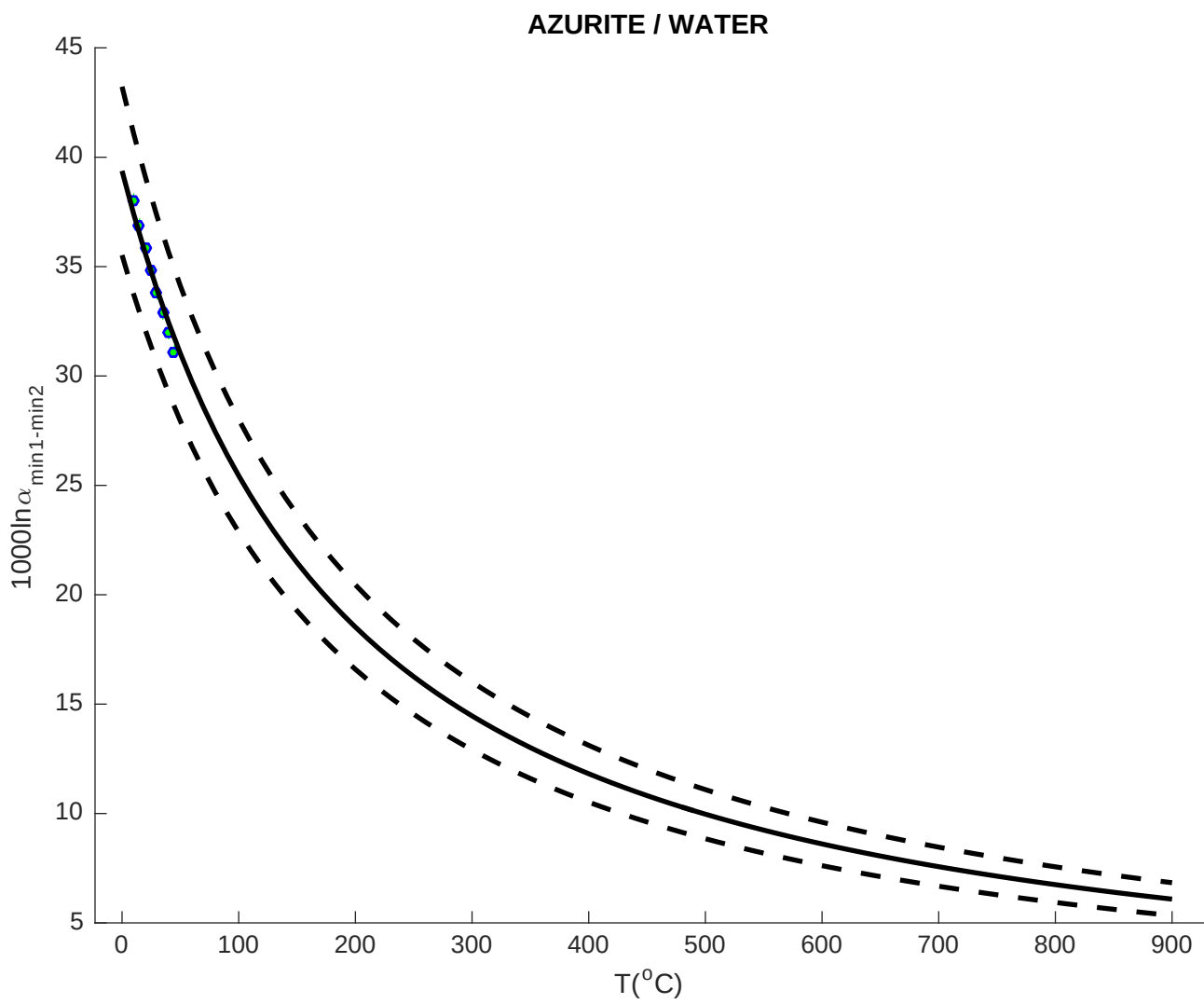


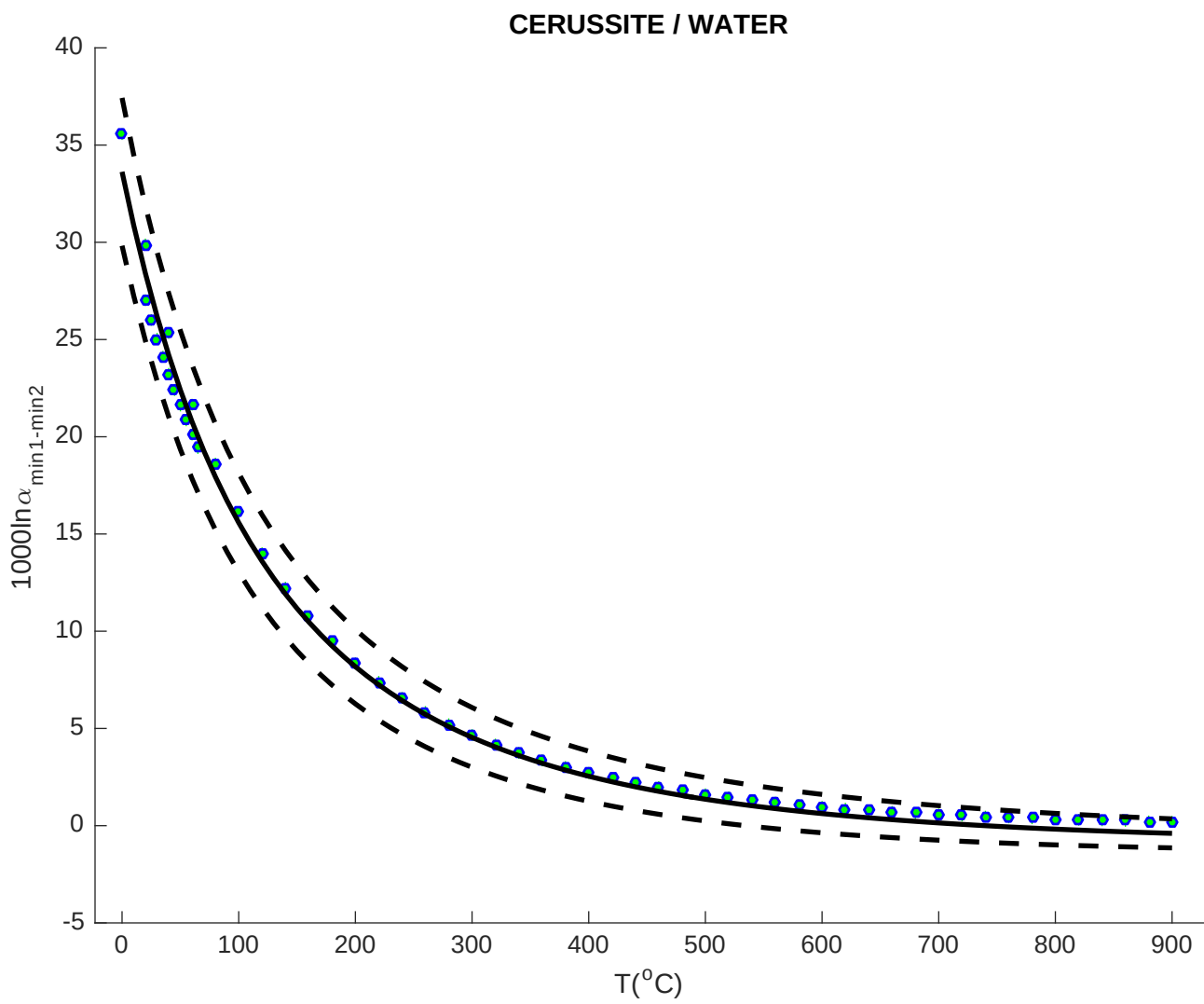




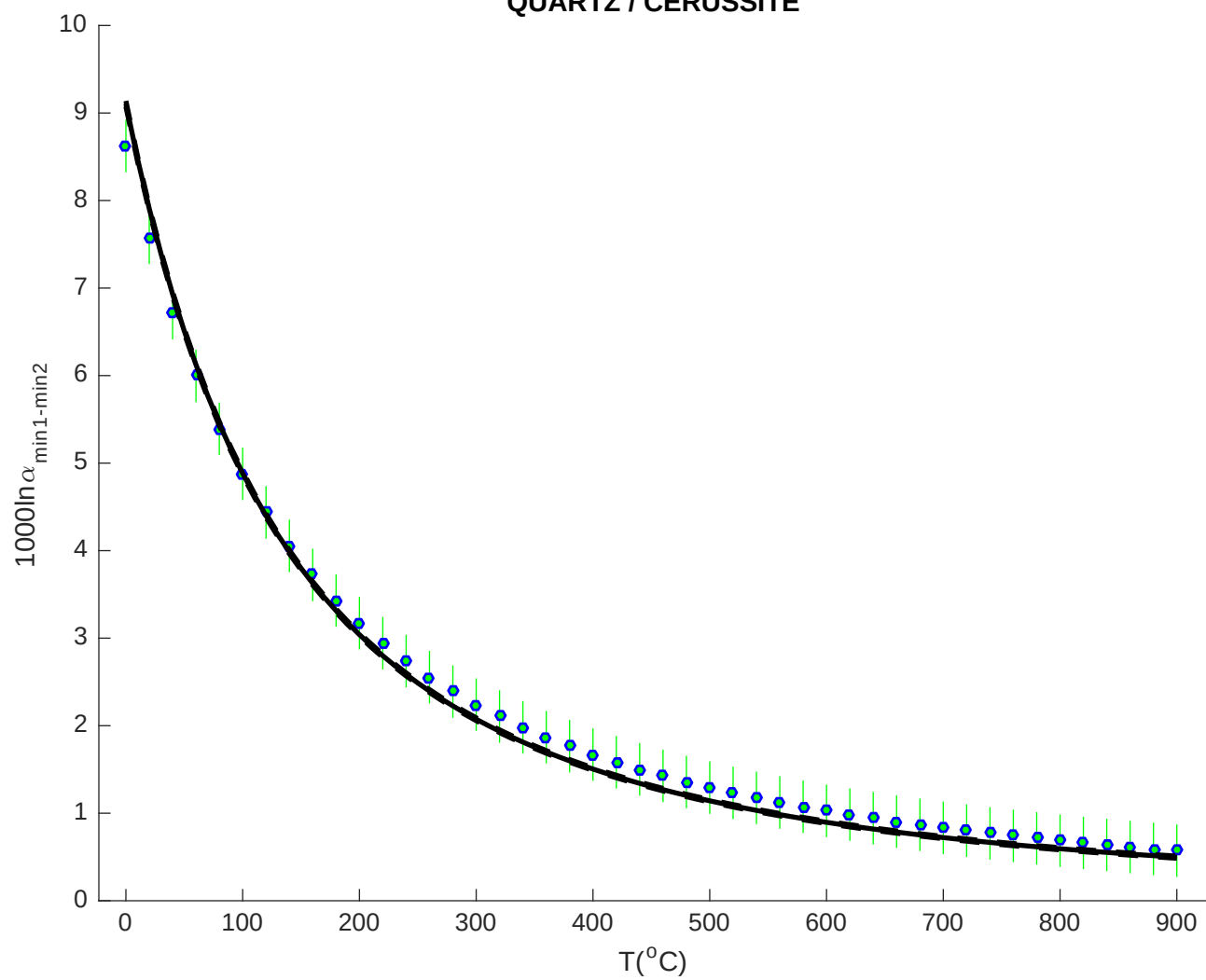


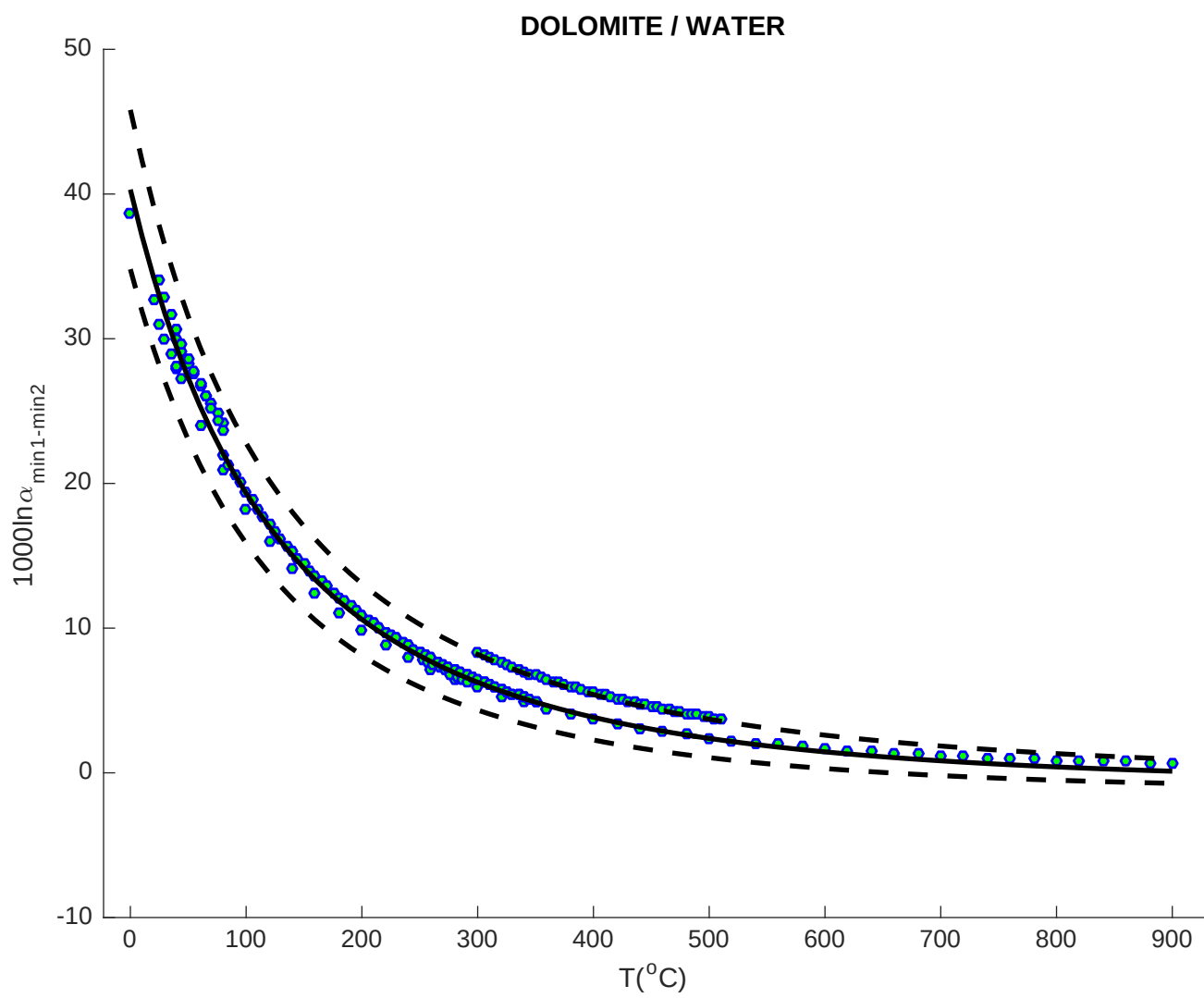


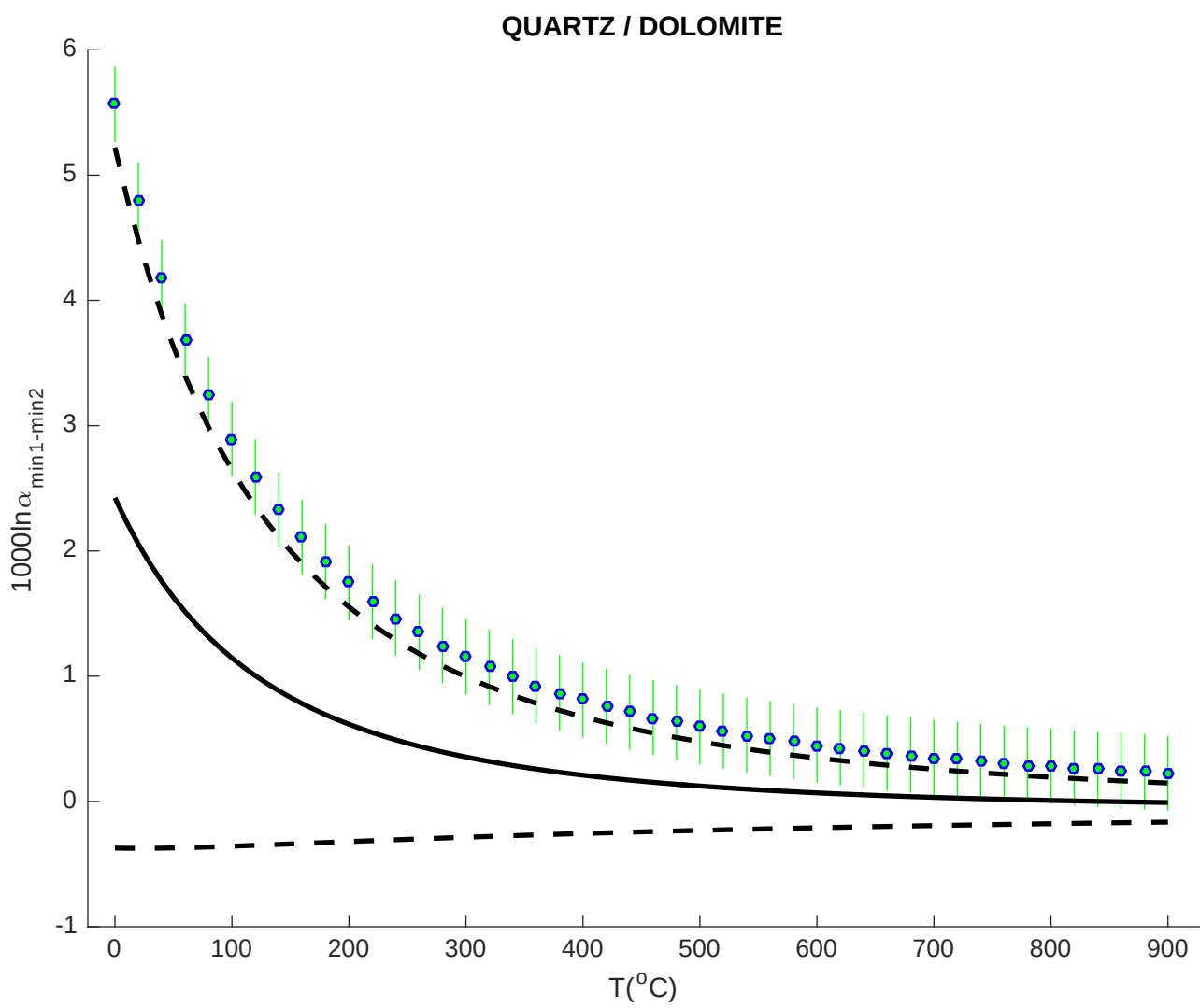


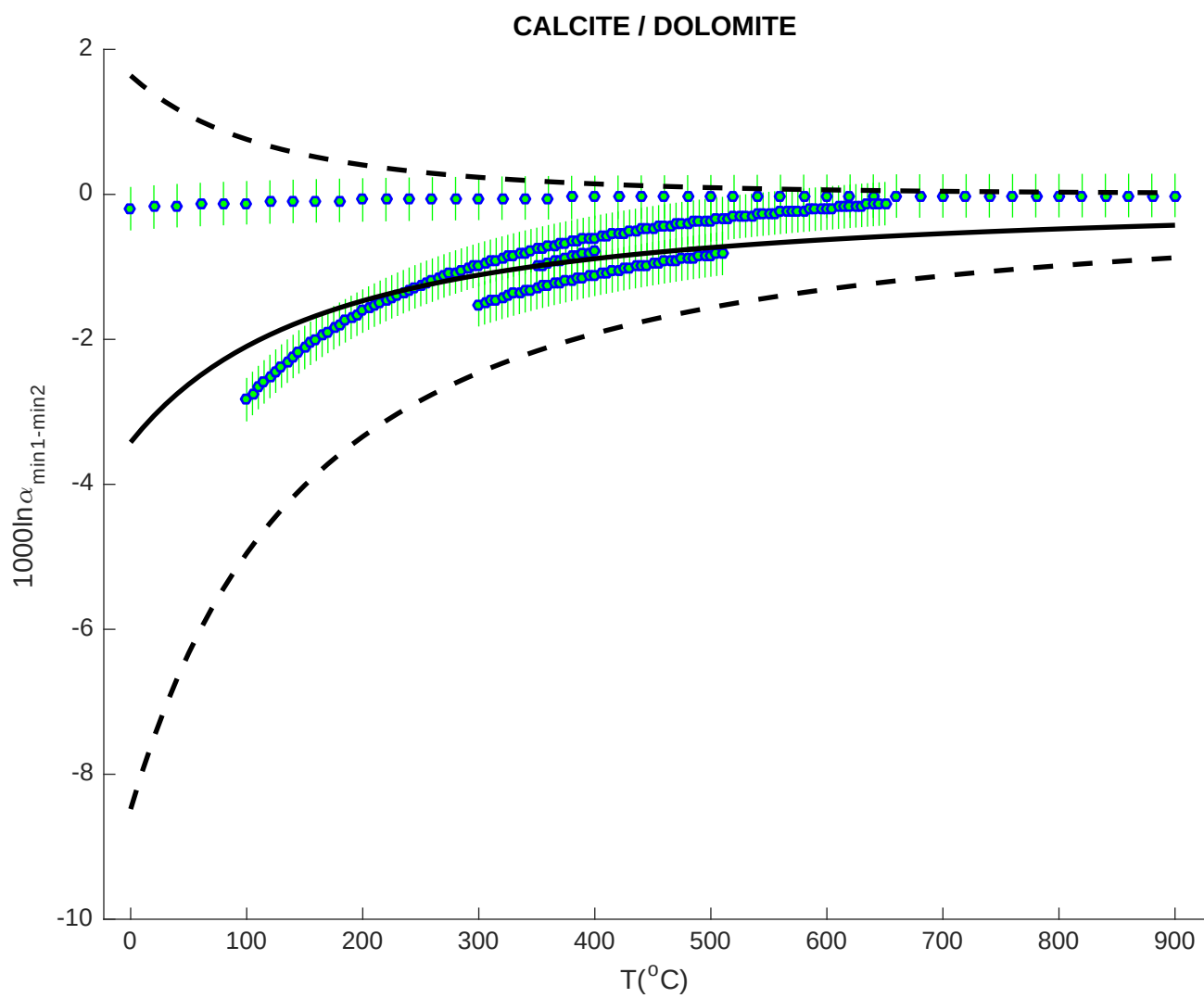


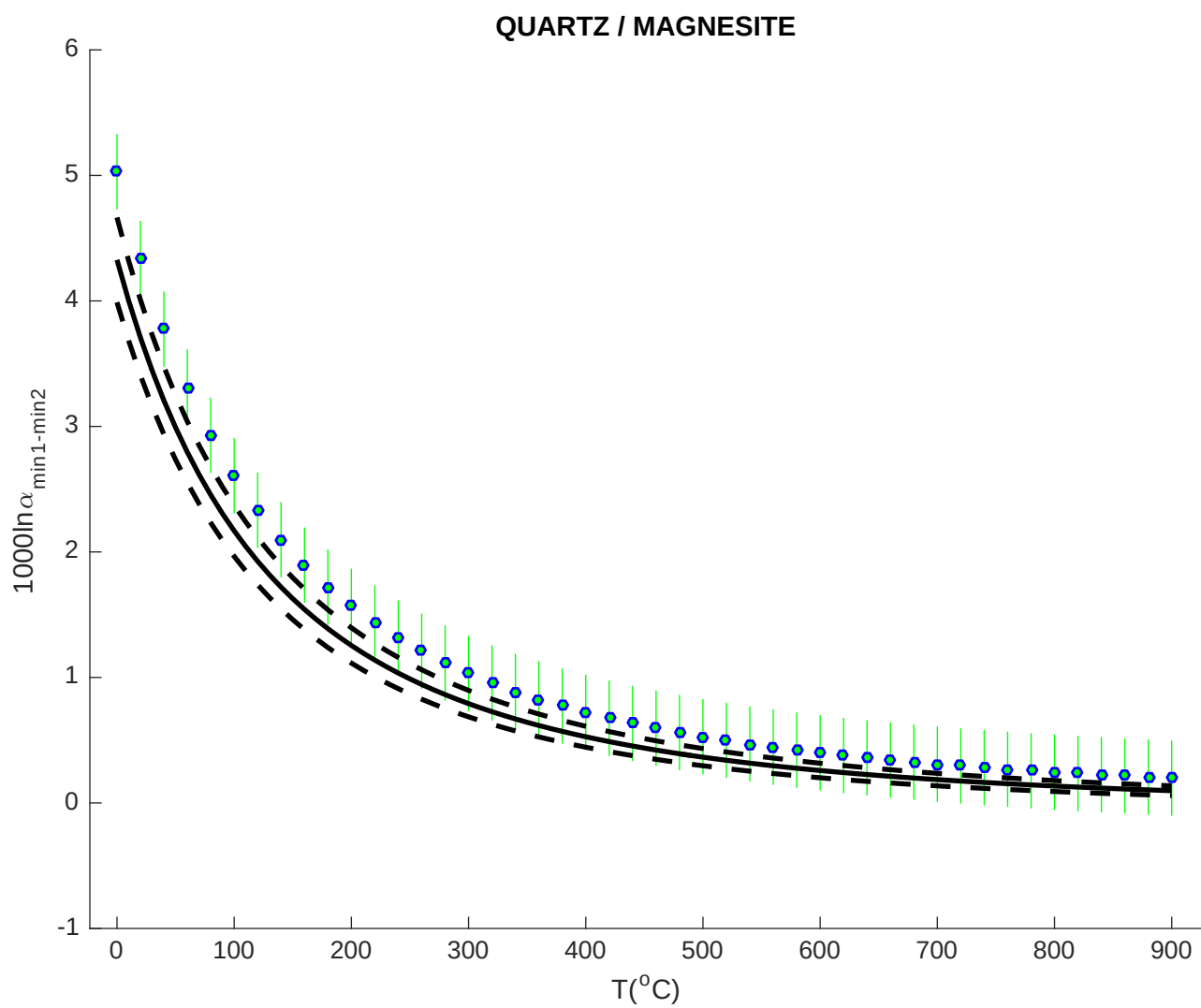
QUARTZ / CERUSSITE

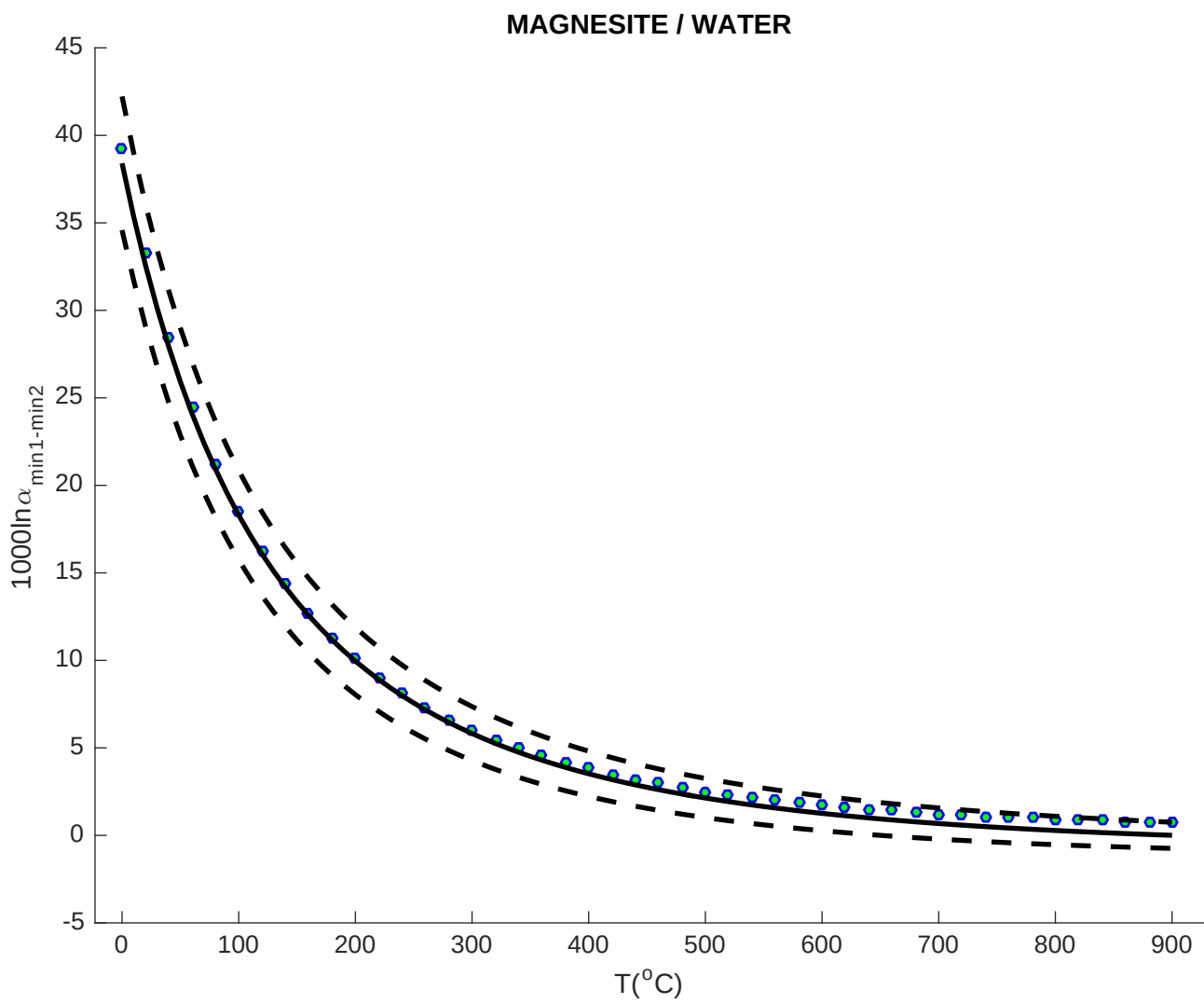


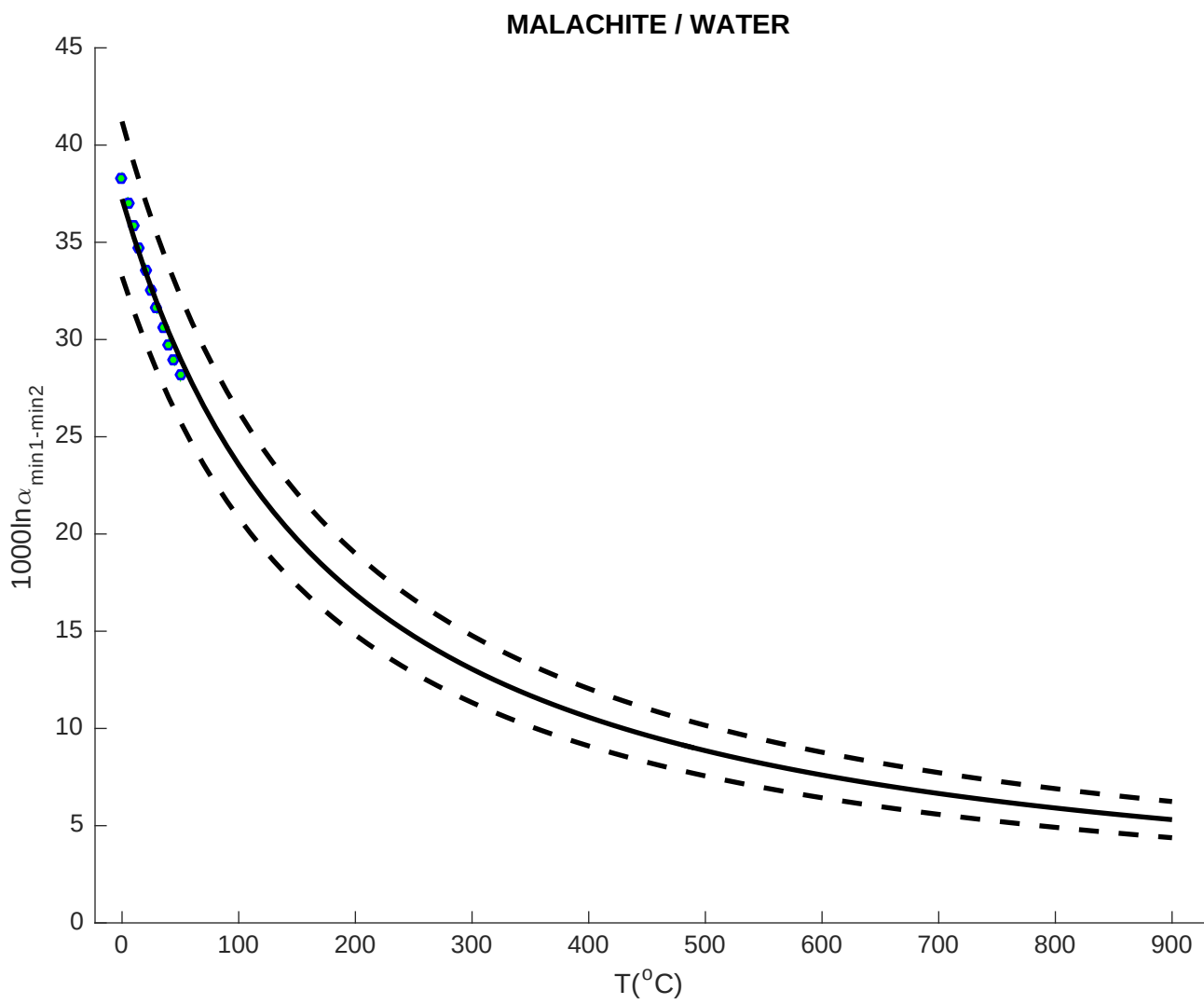


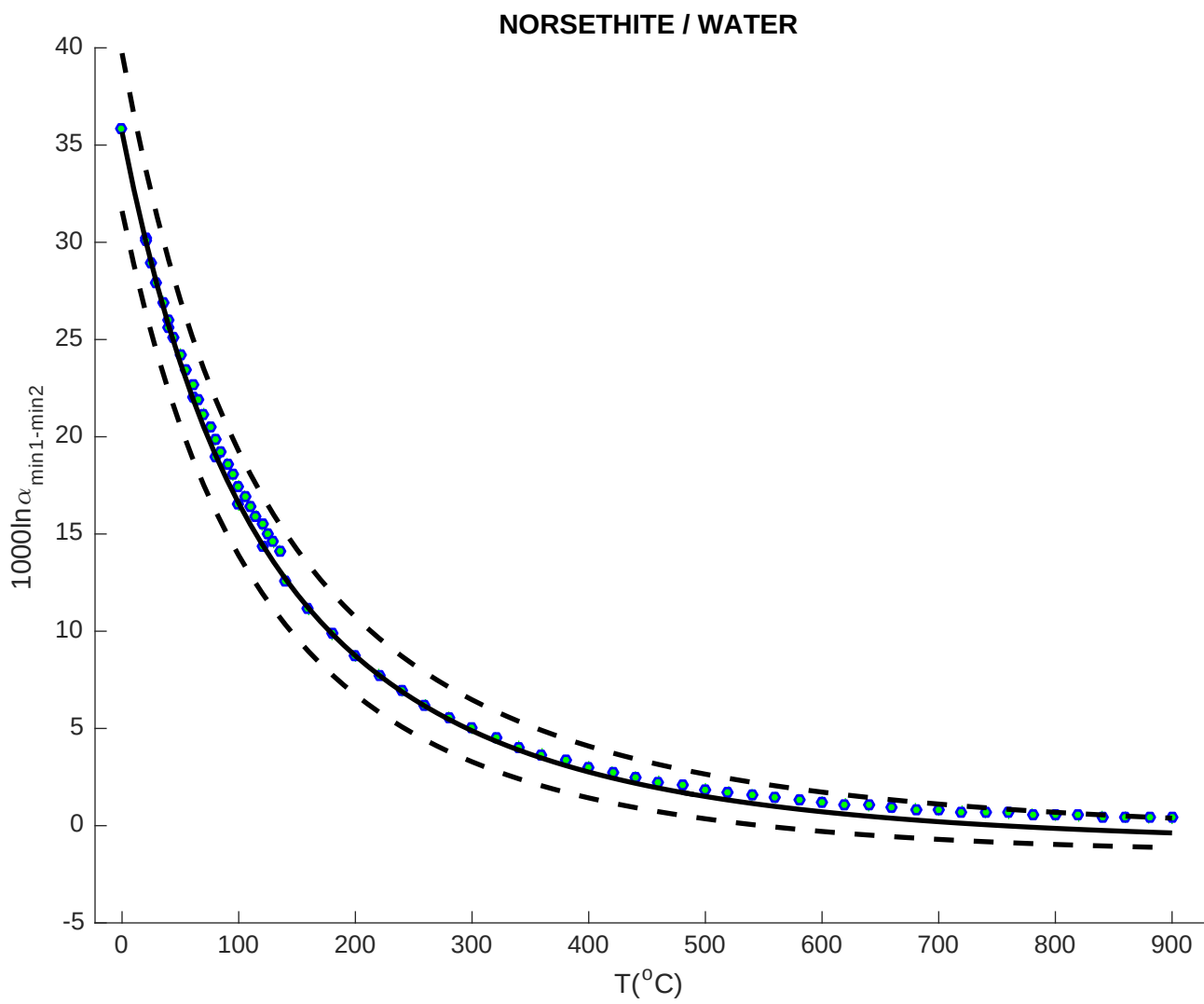




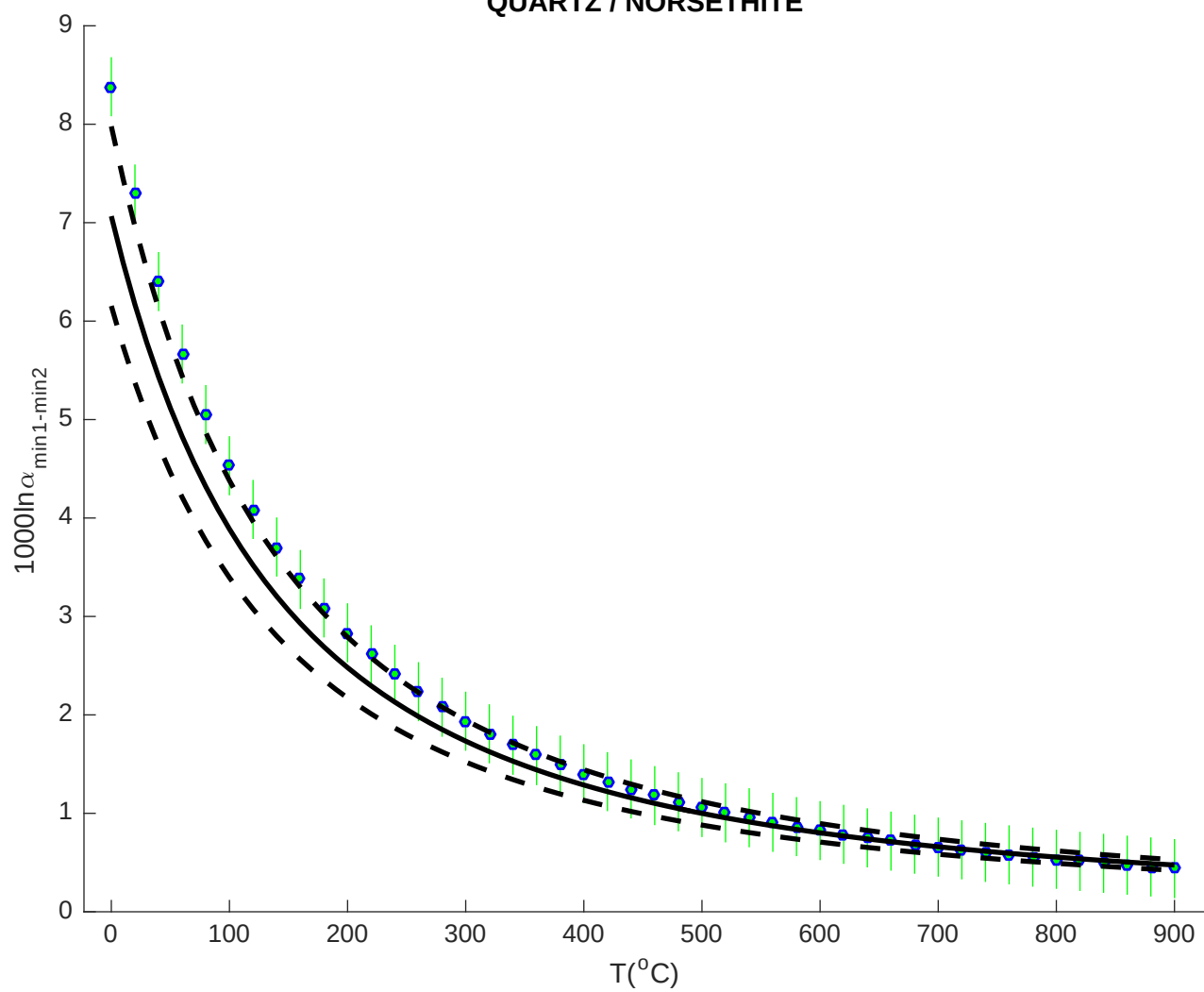


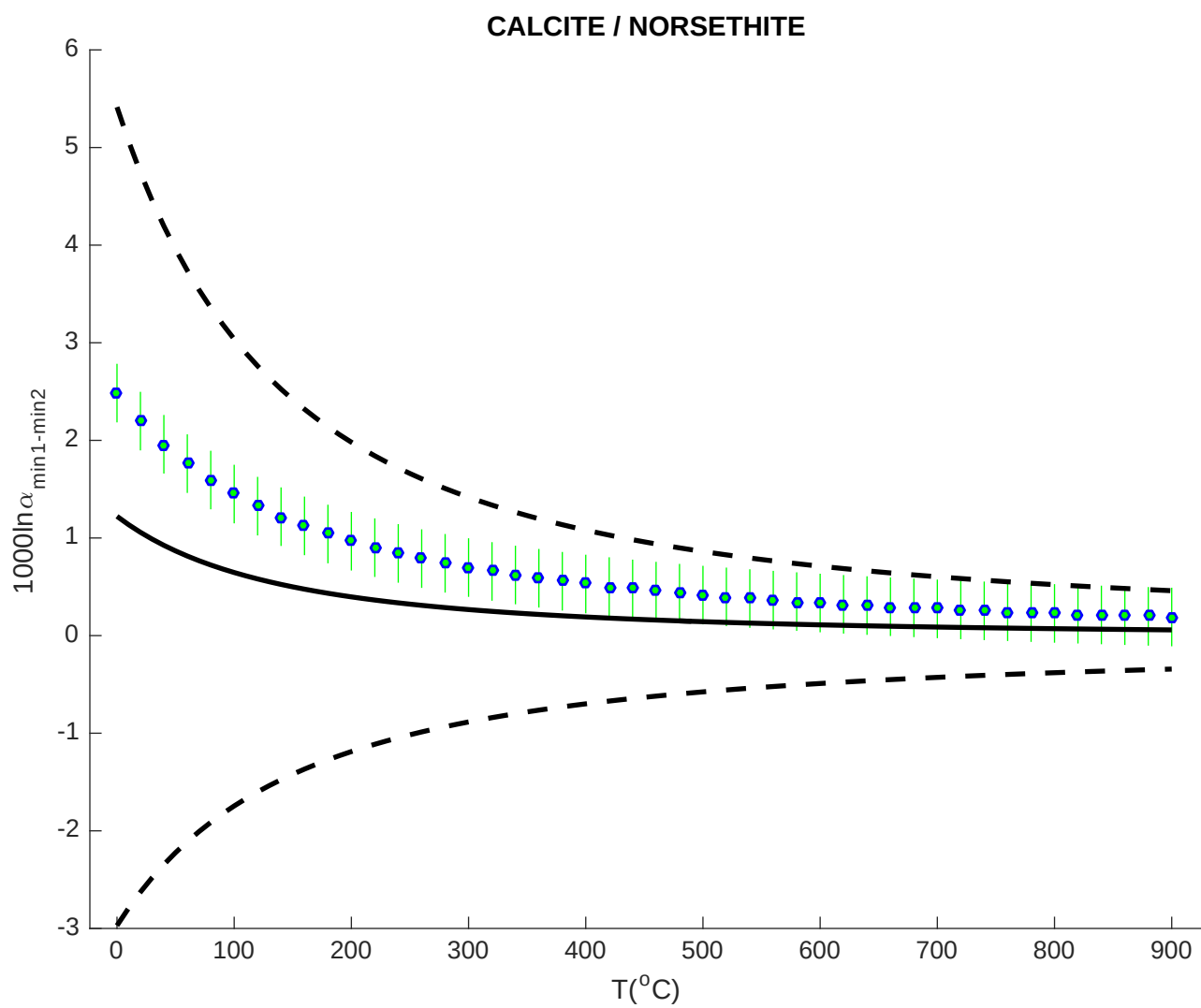


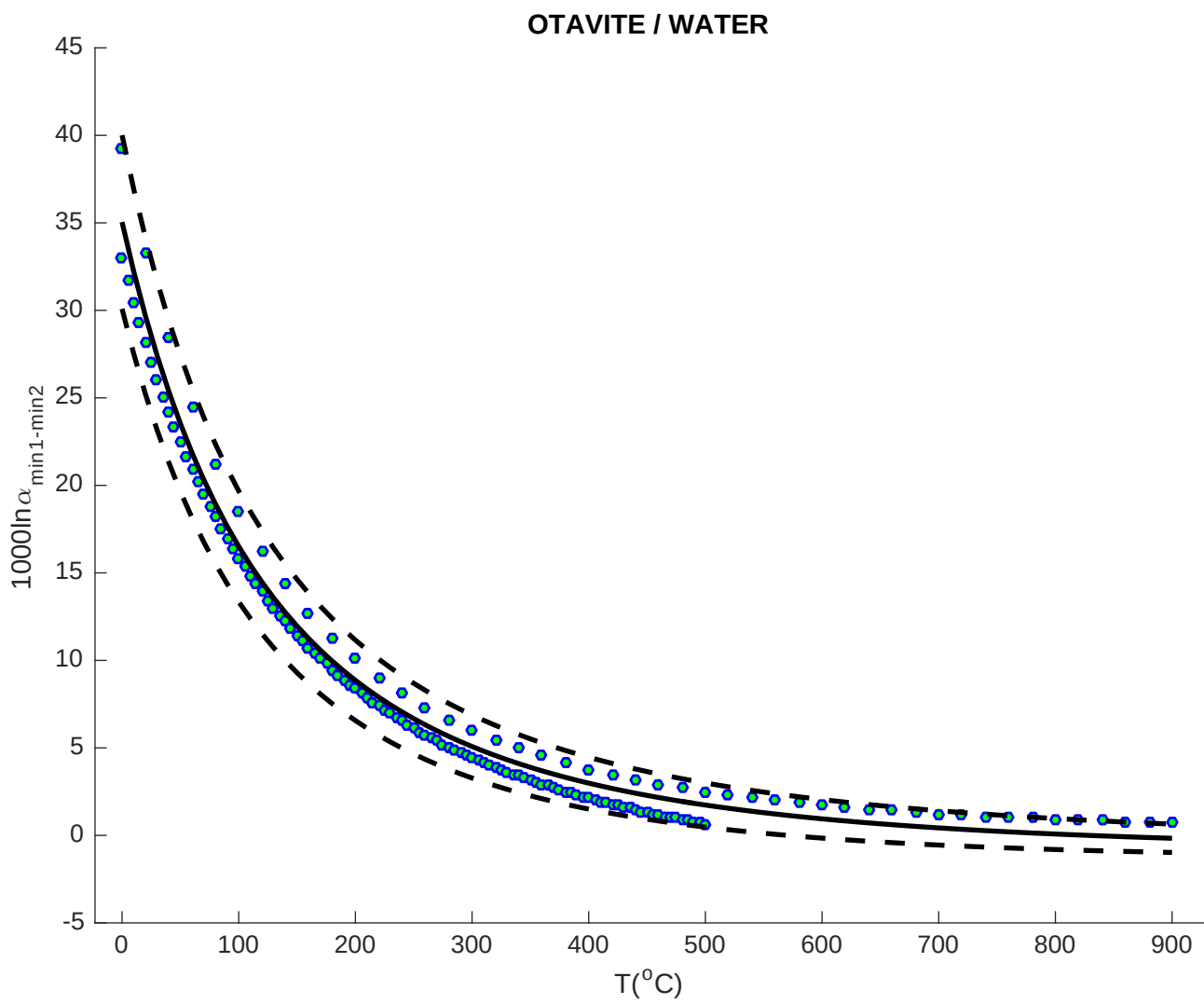


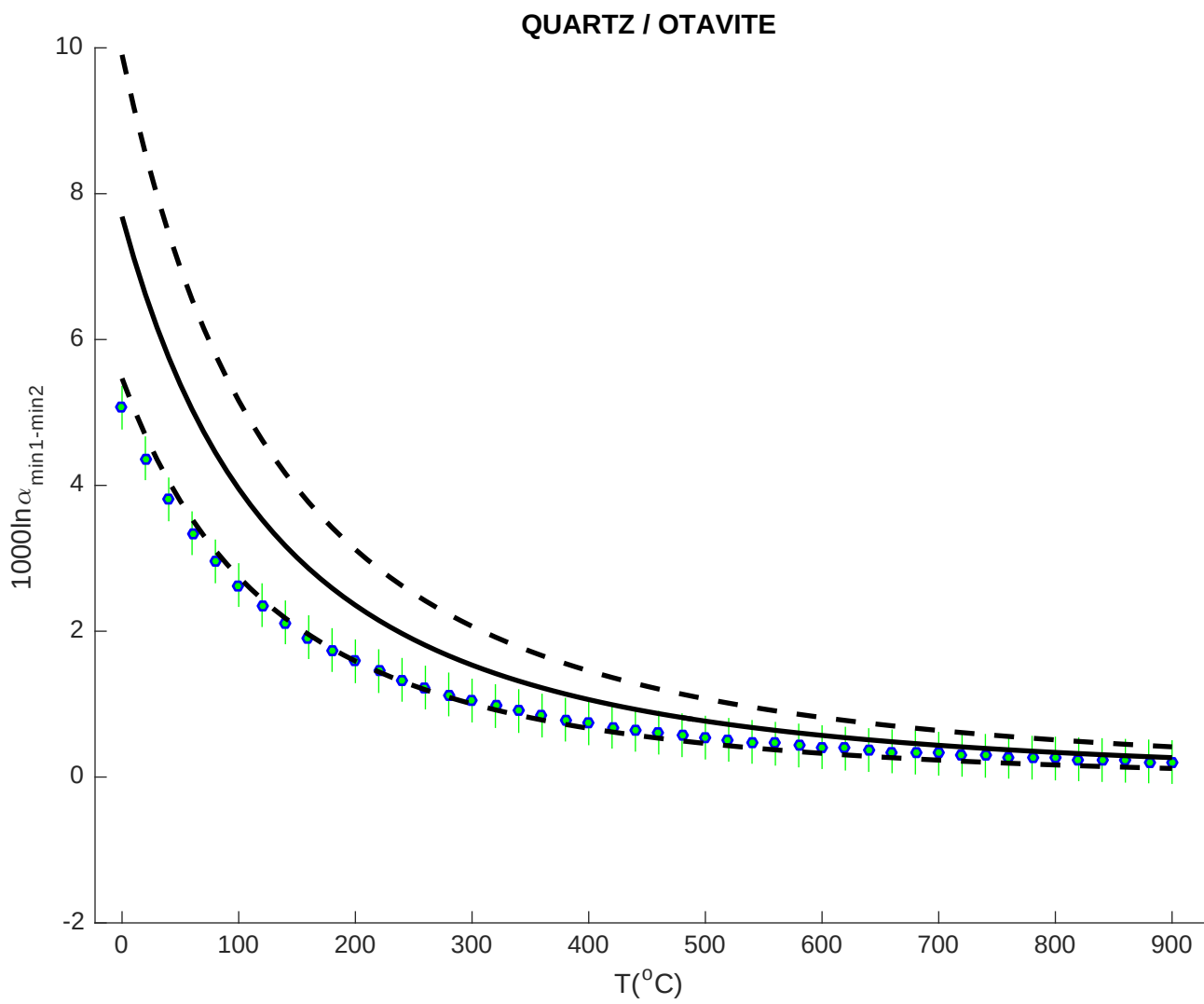


QUARTZ / NORSETHITE

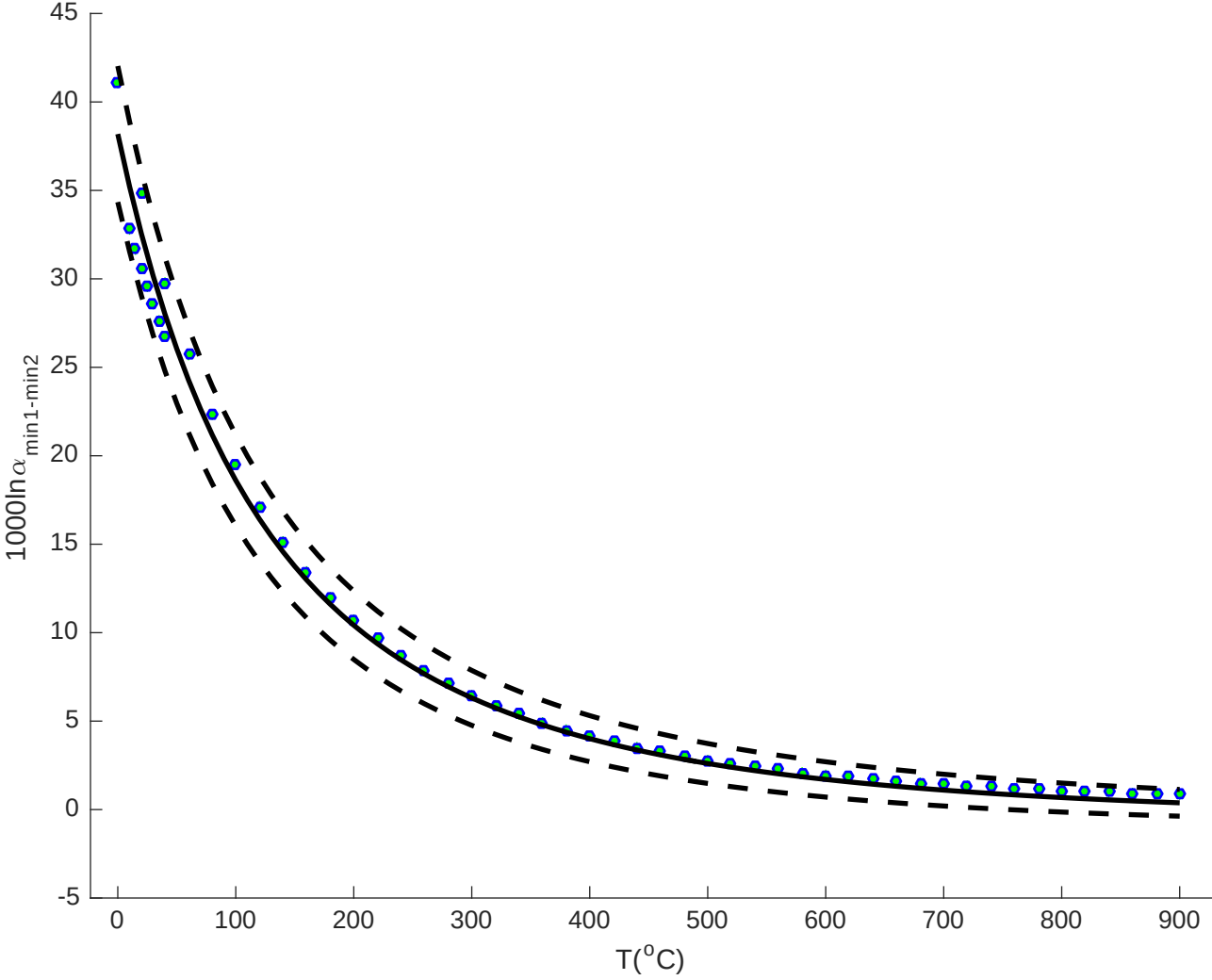


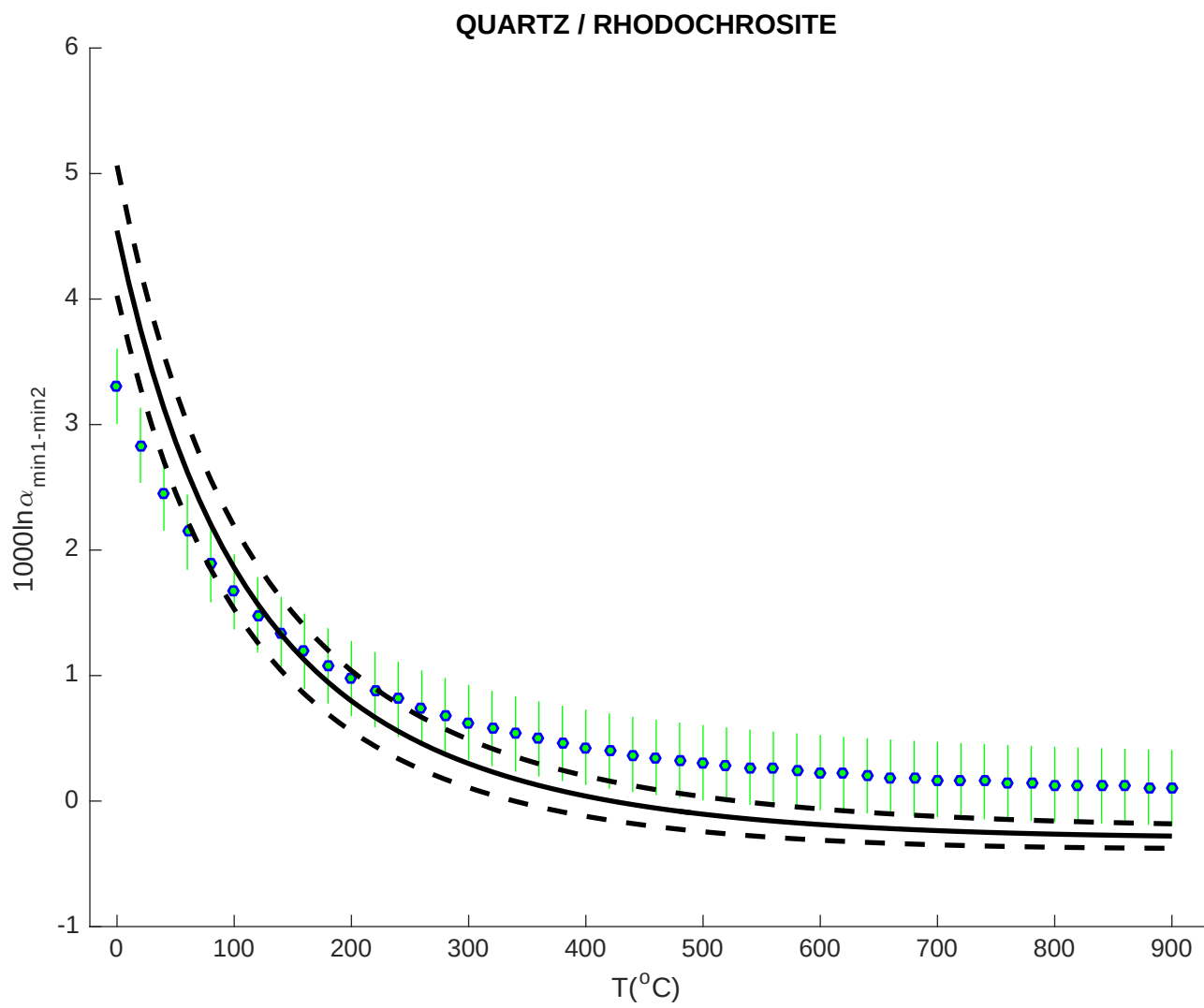


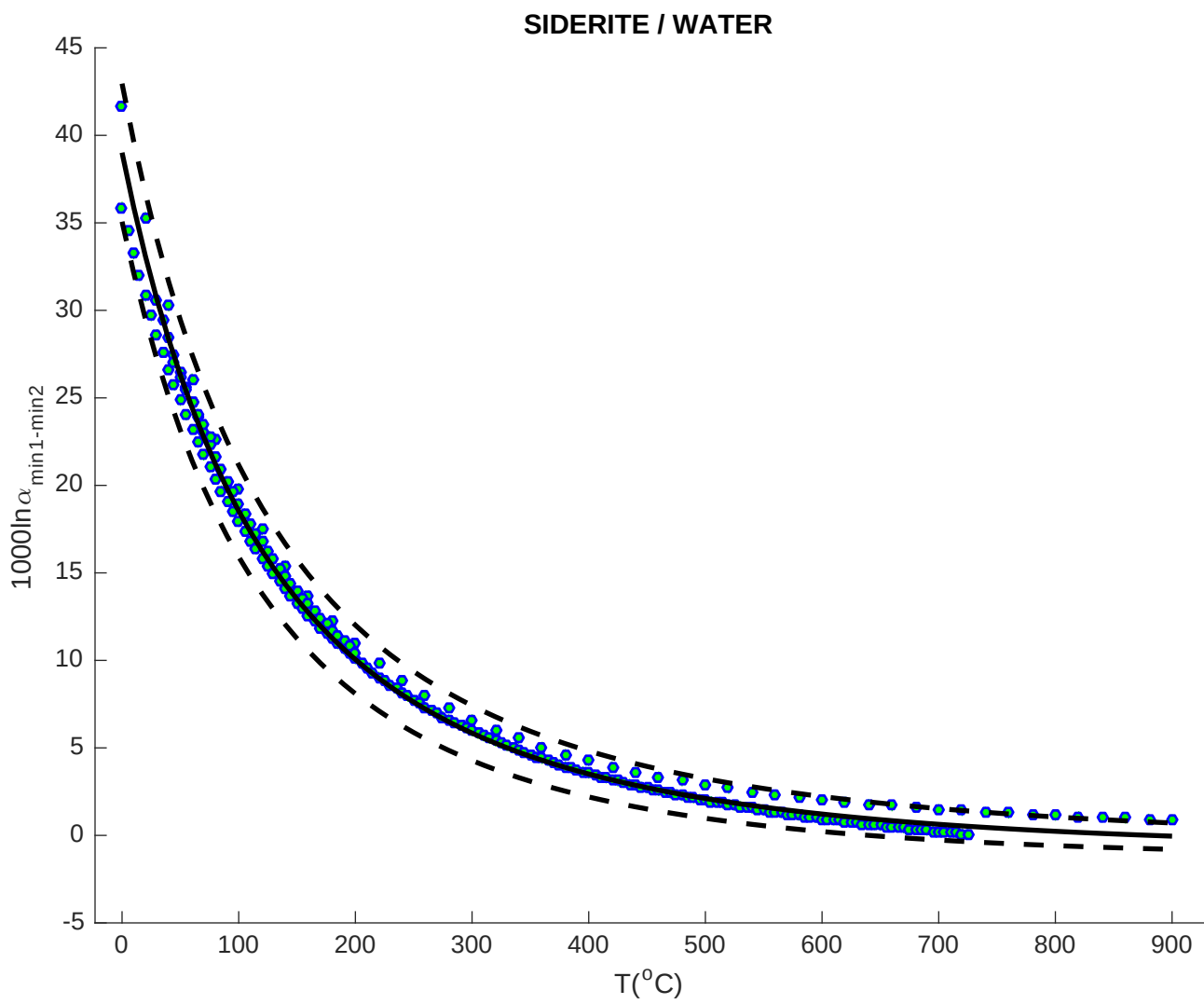




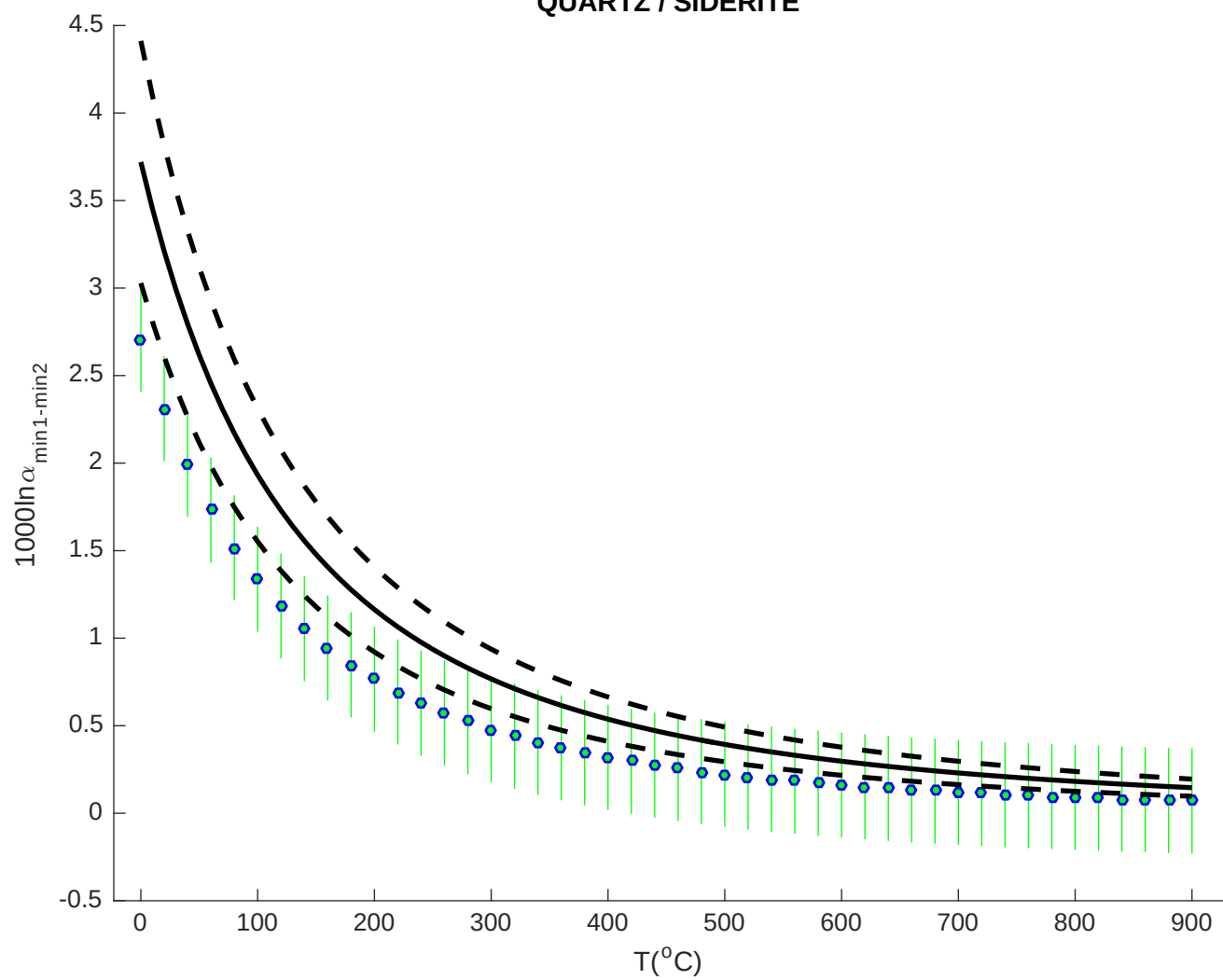
RHODOCHROSITE / WATER

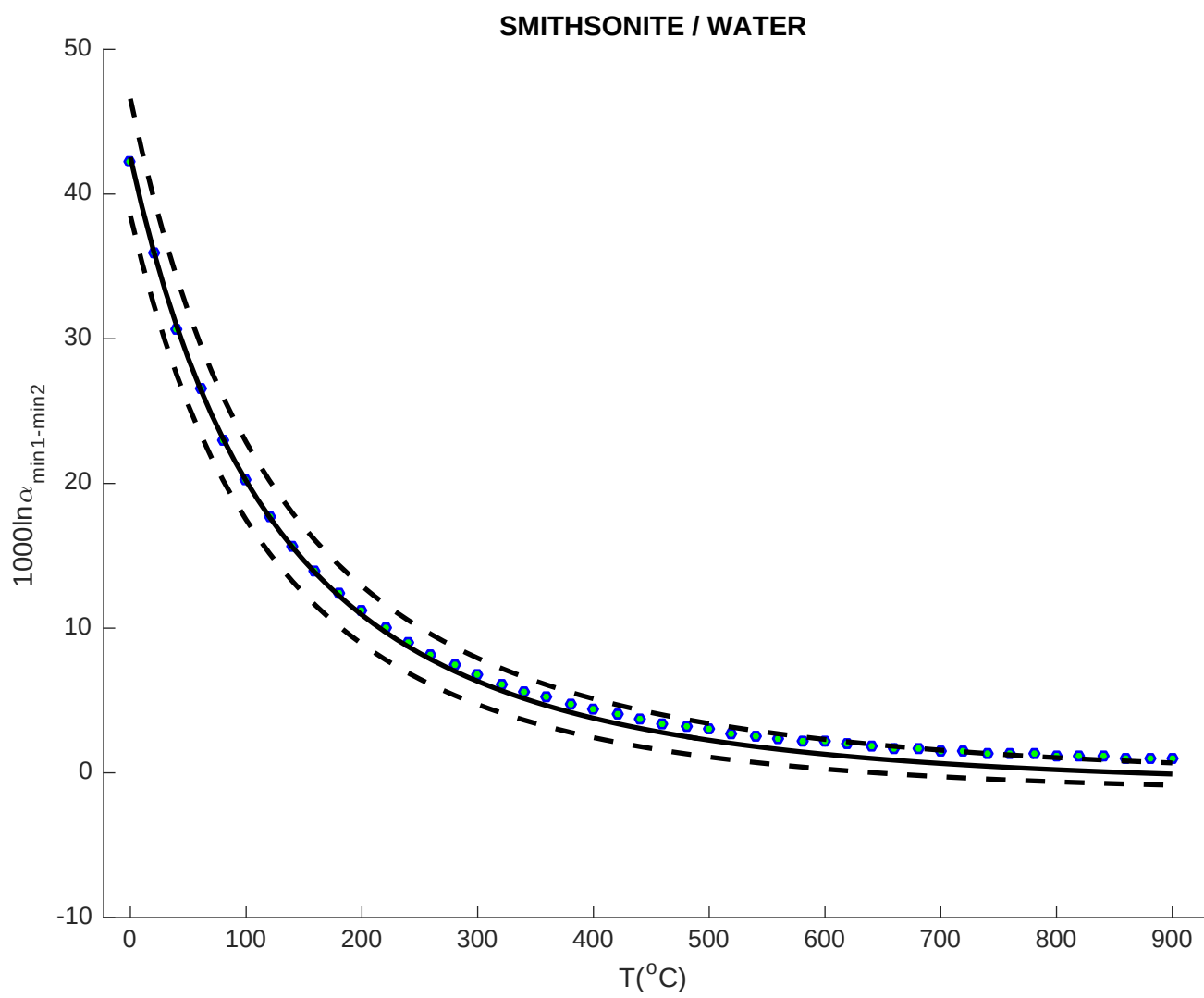




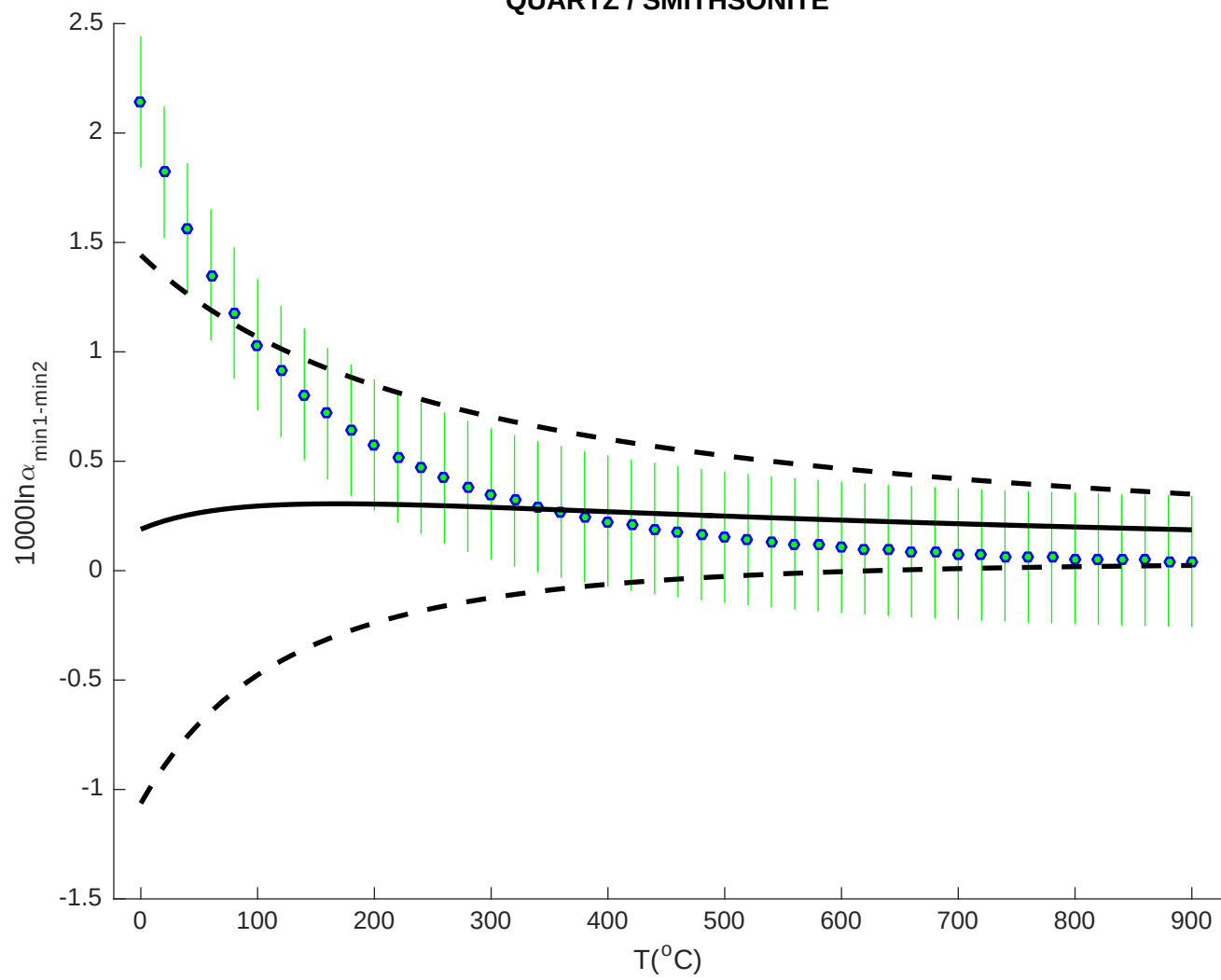


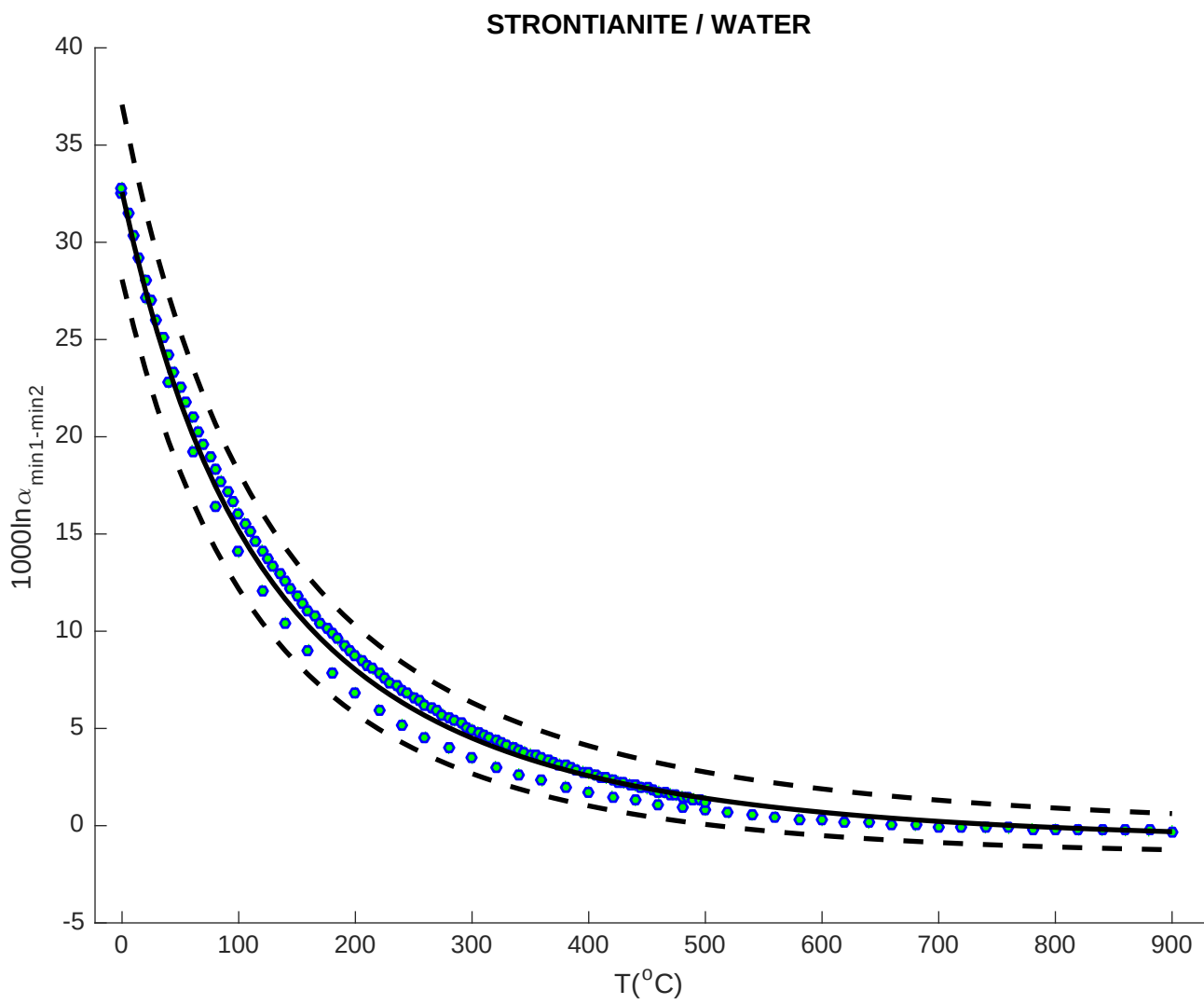
QUARTZ / SIDERITE

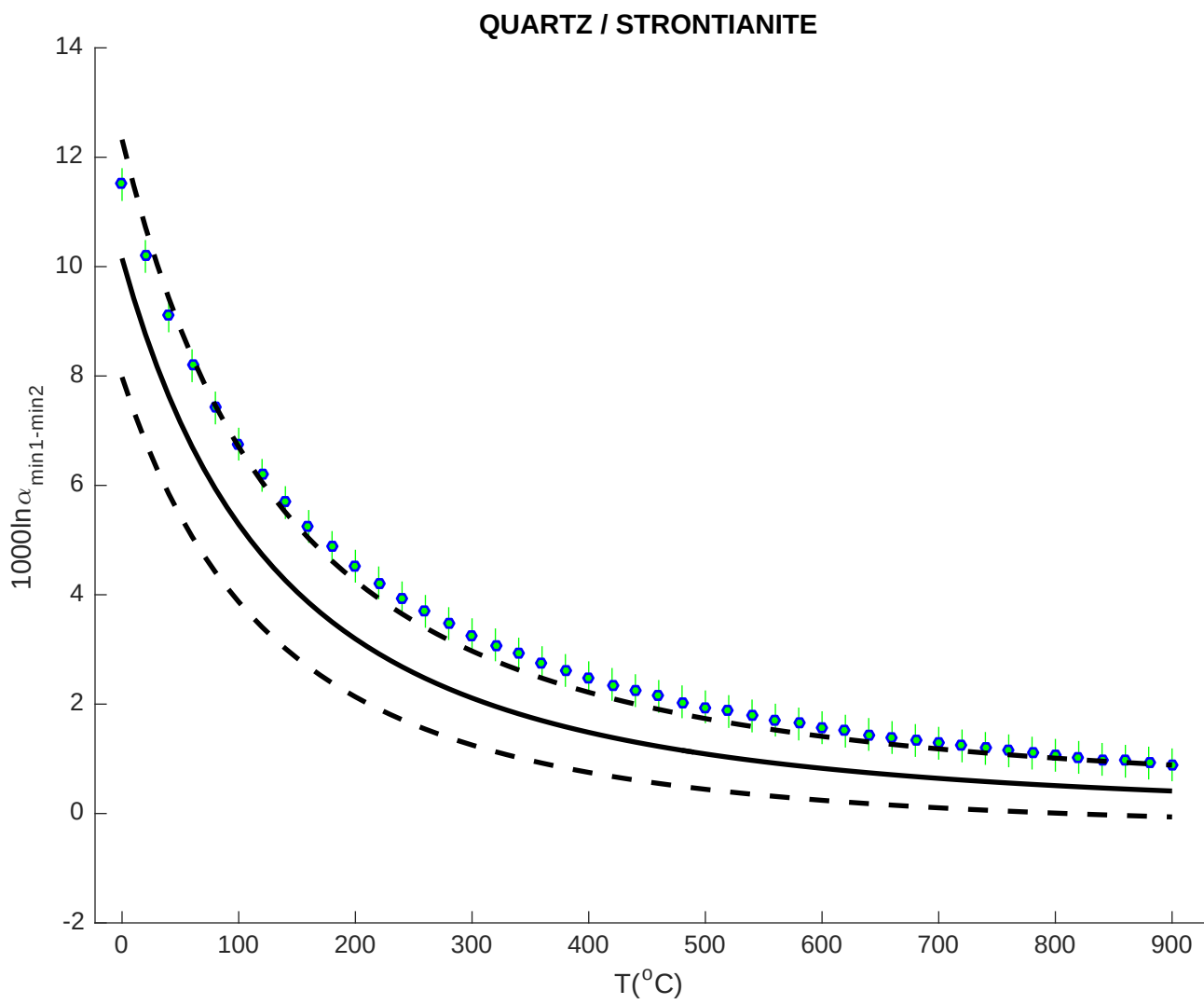


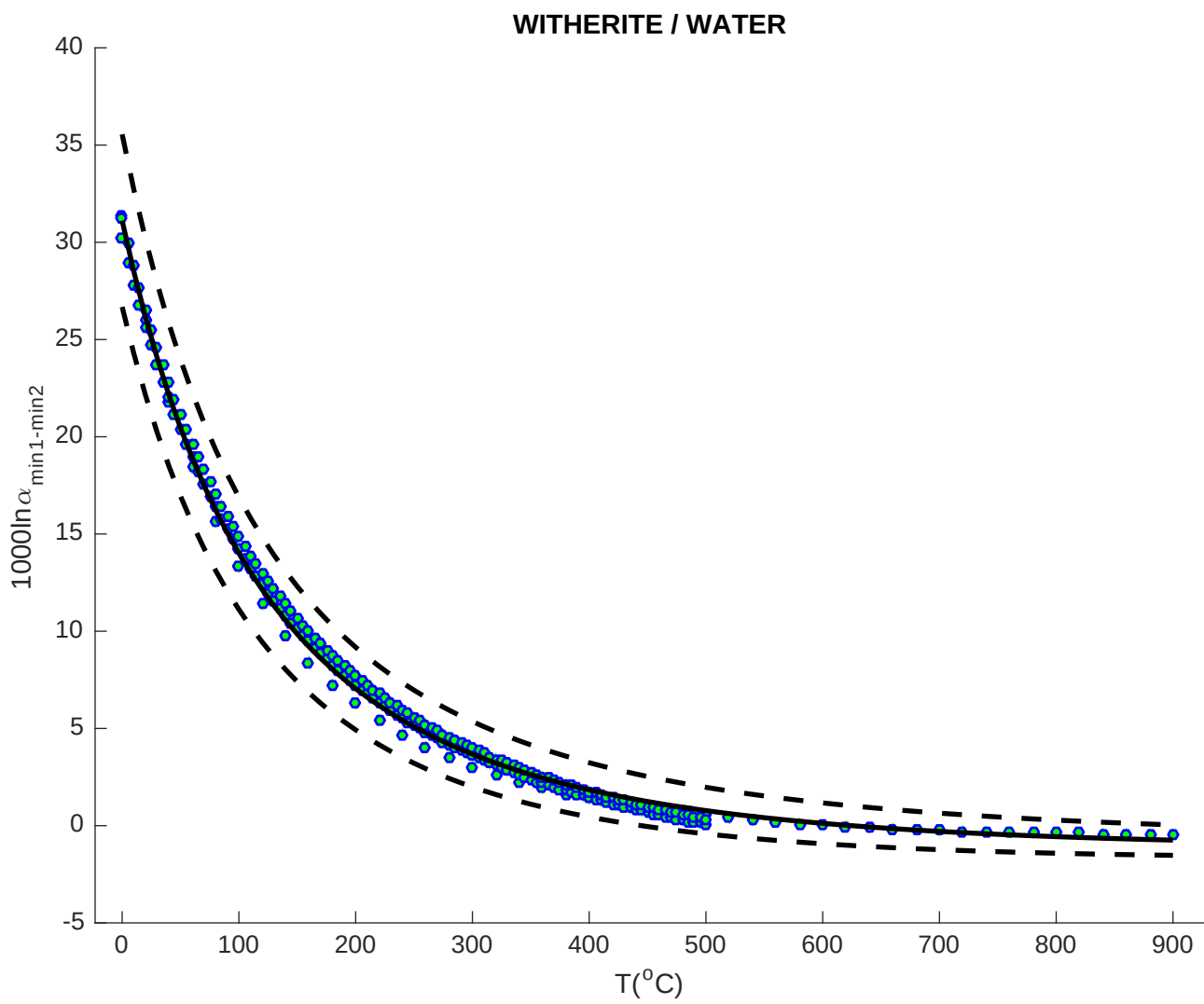


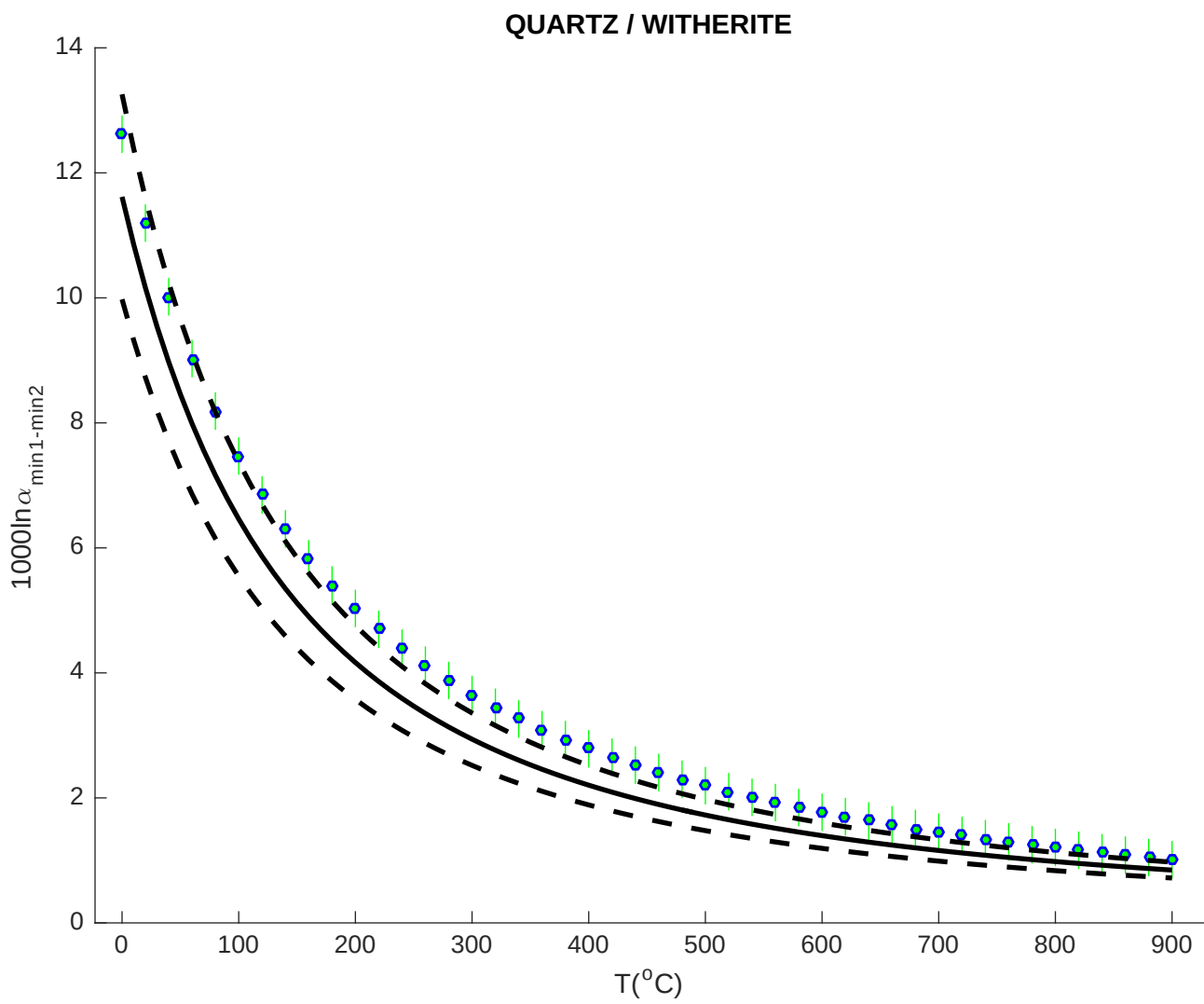
QUARTZ / SMITHSONITE



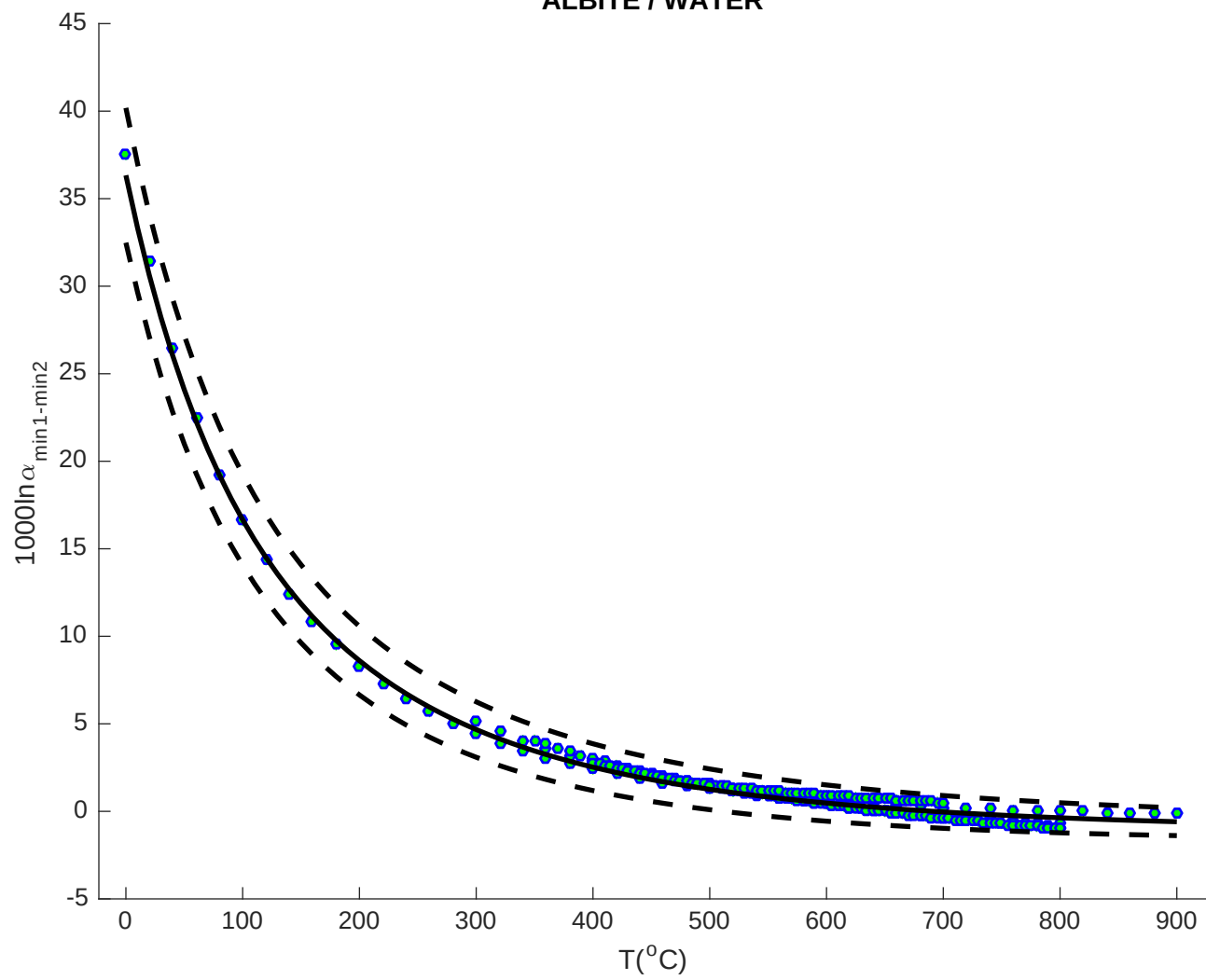


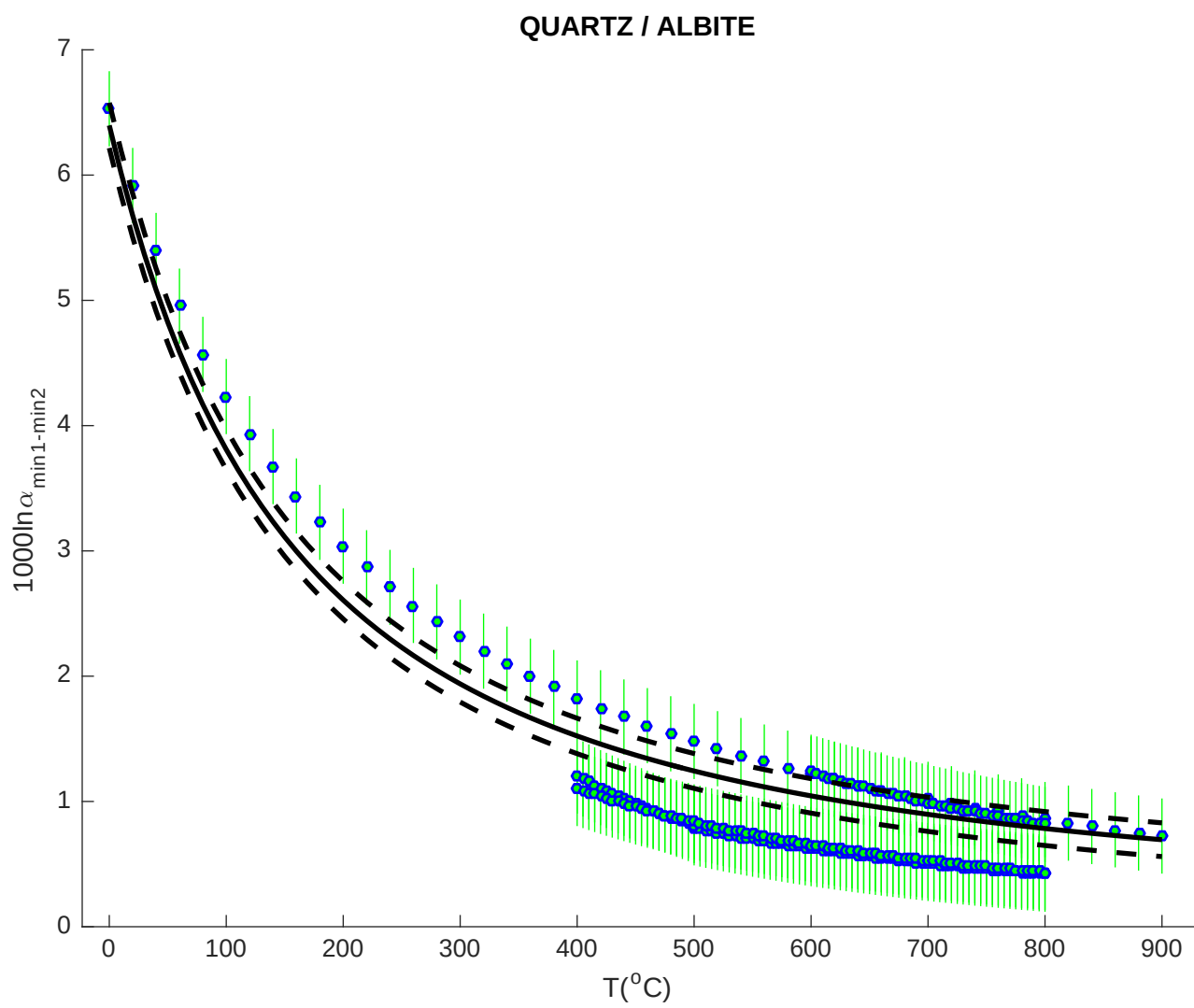


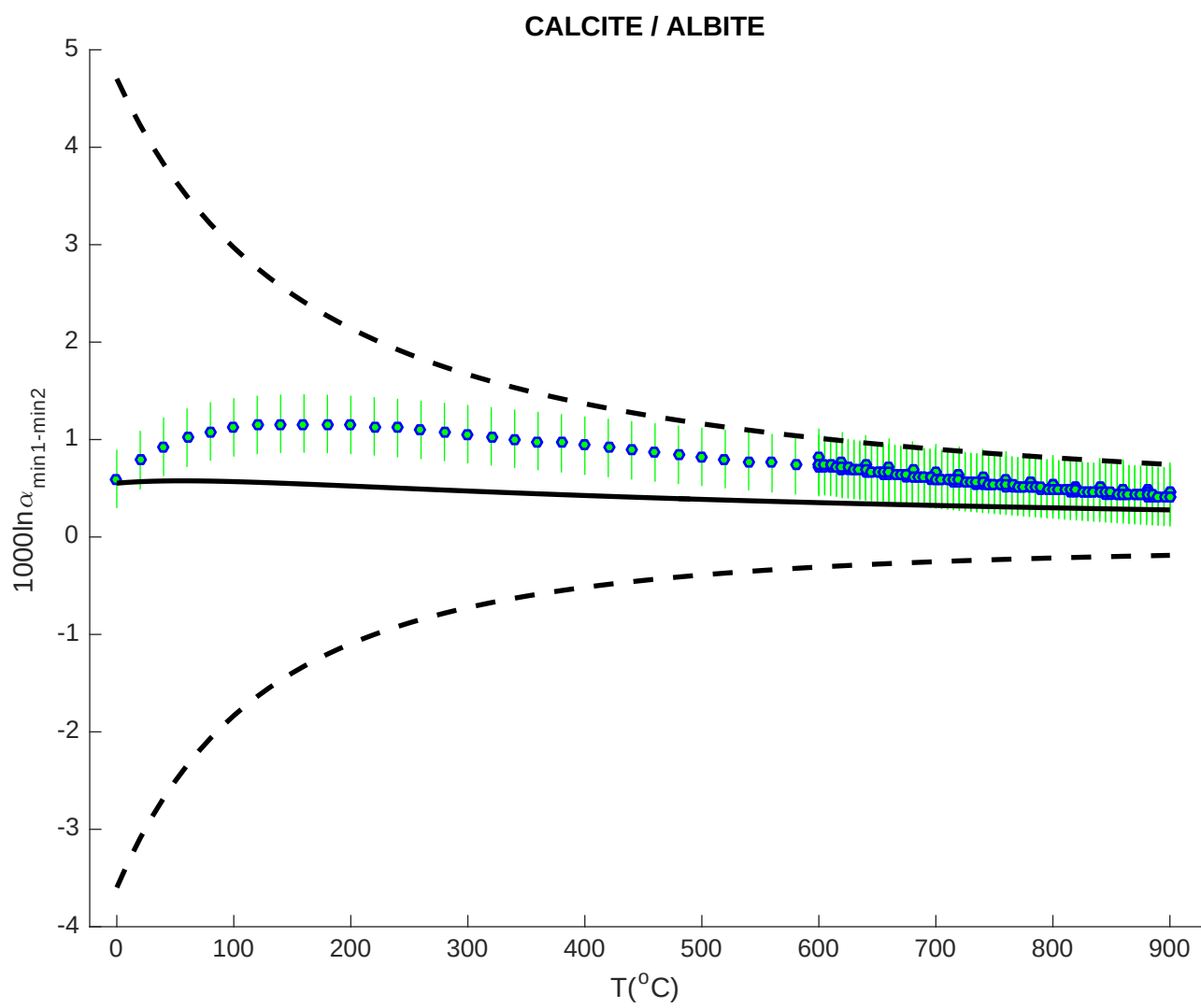


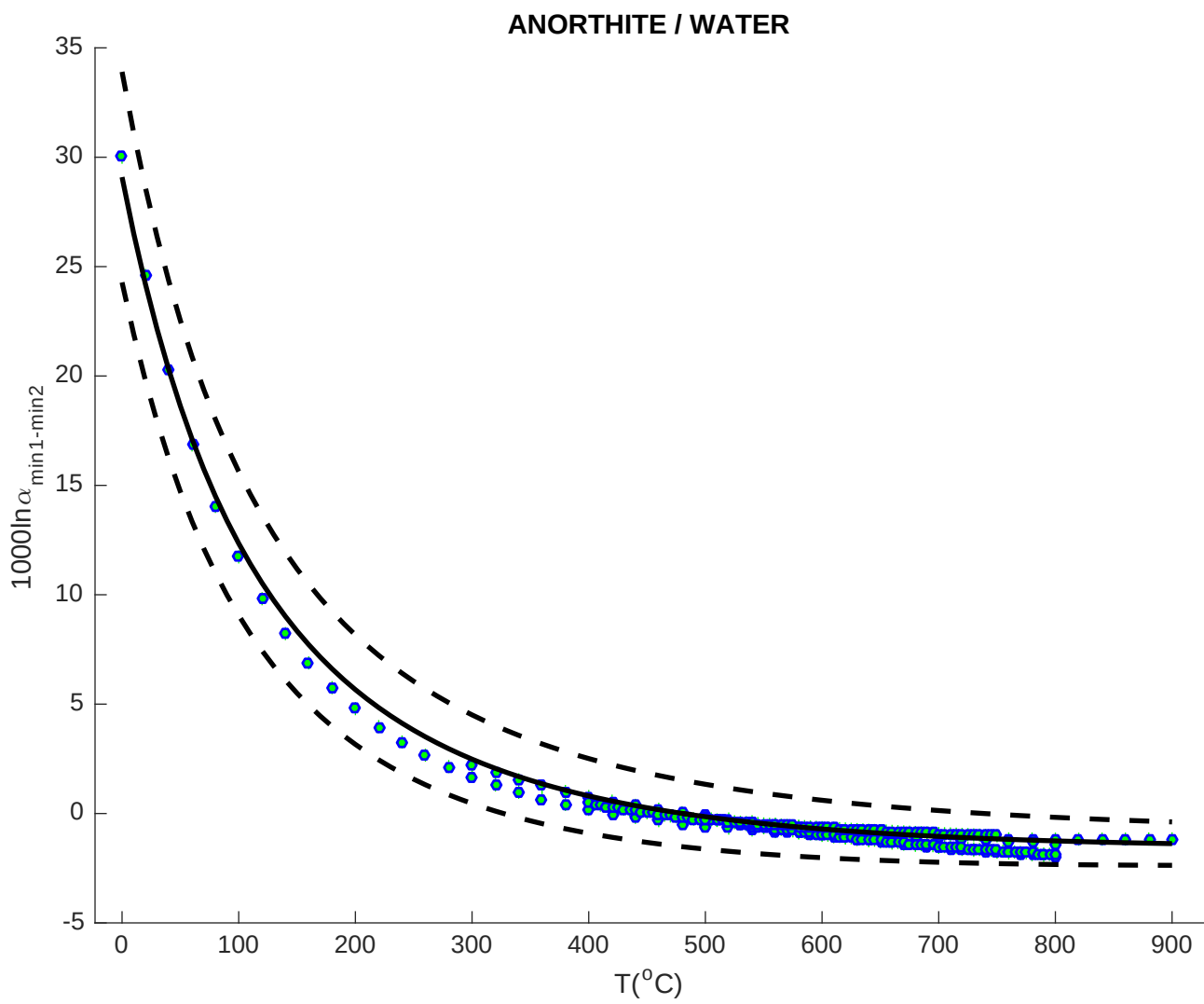


ALBITE / WATER

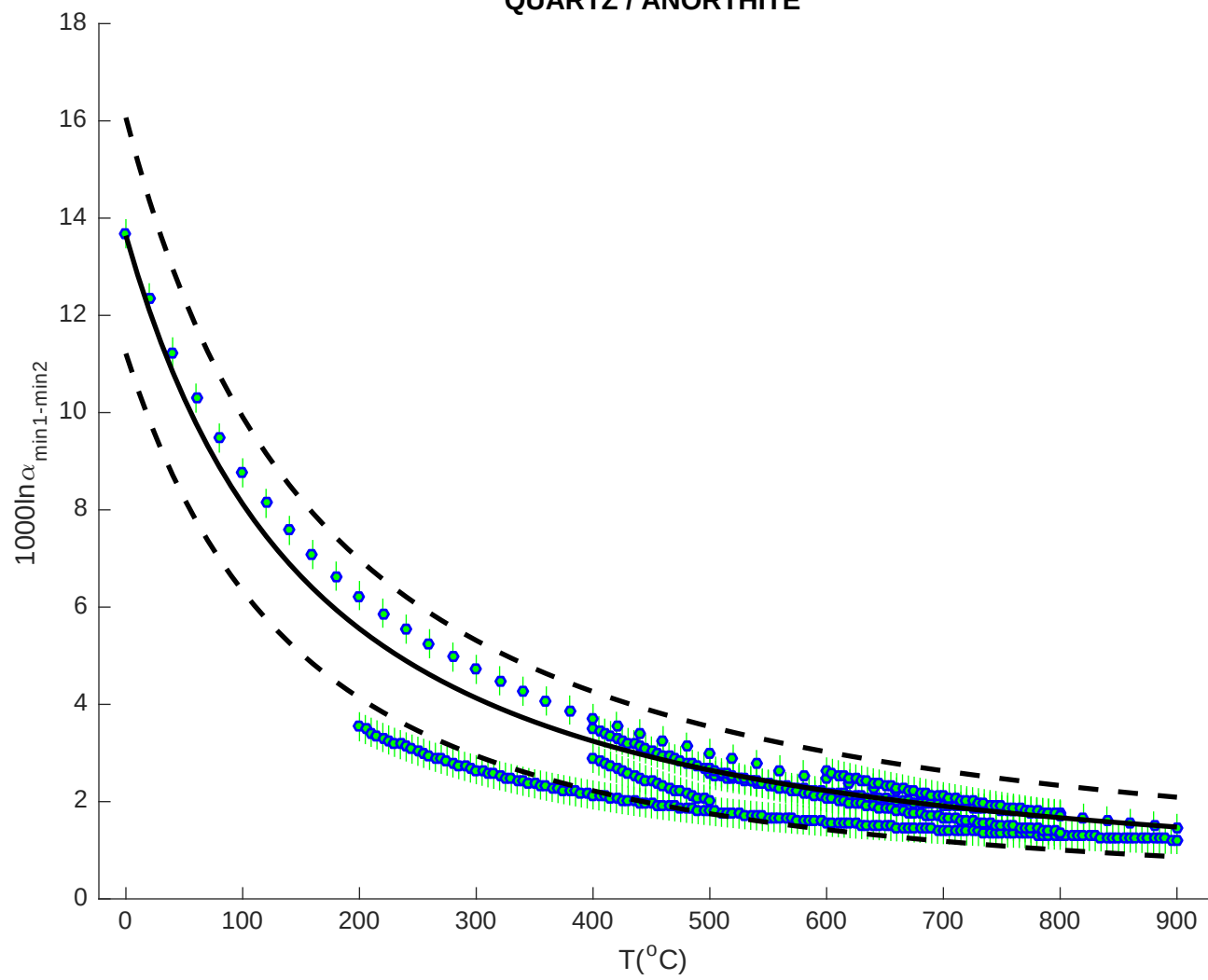


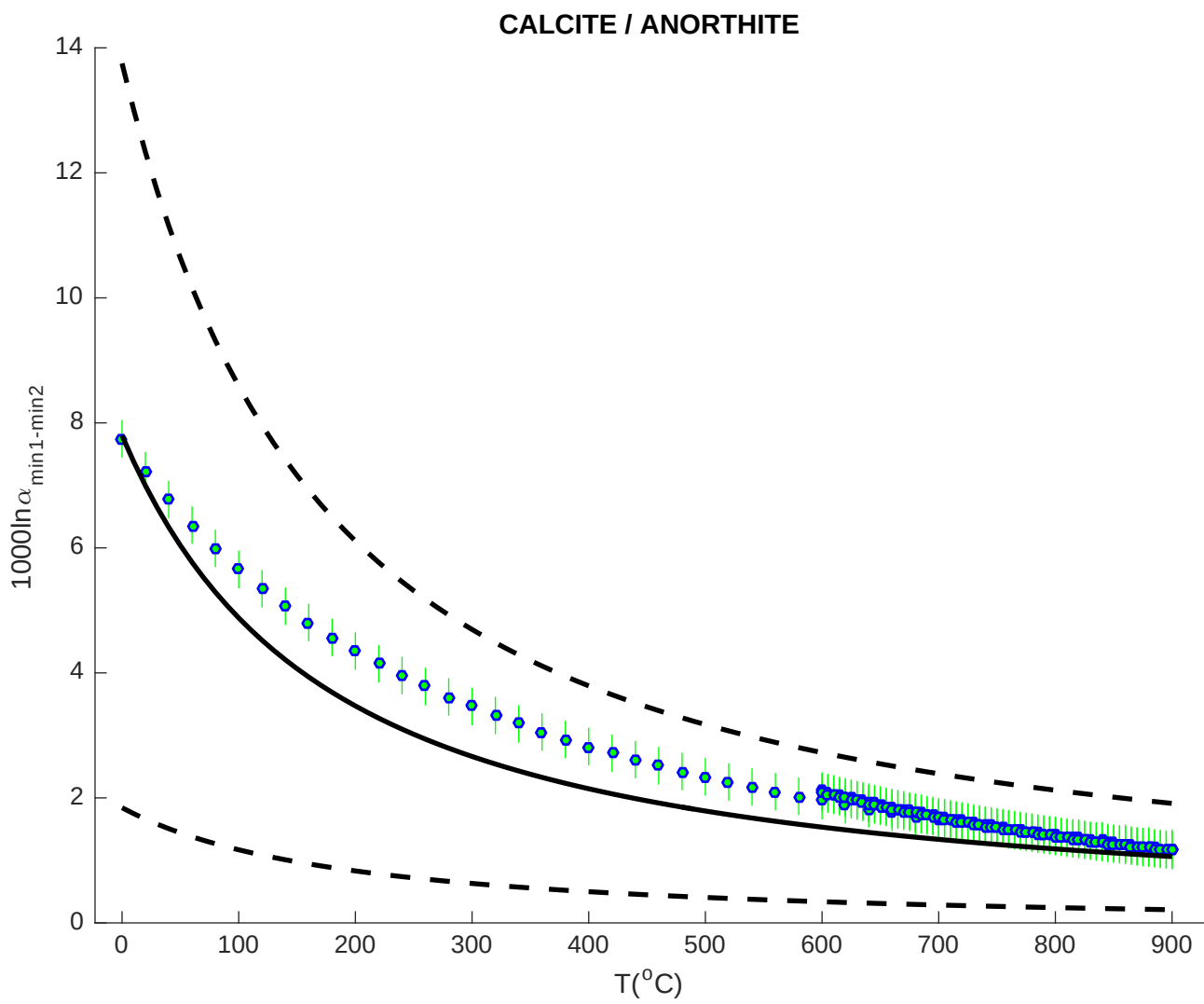


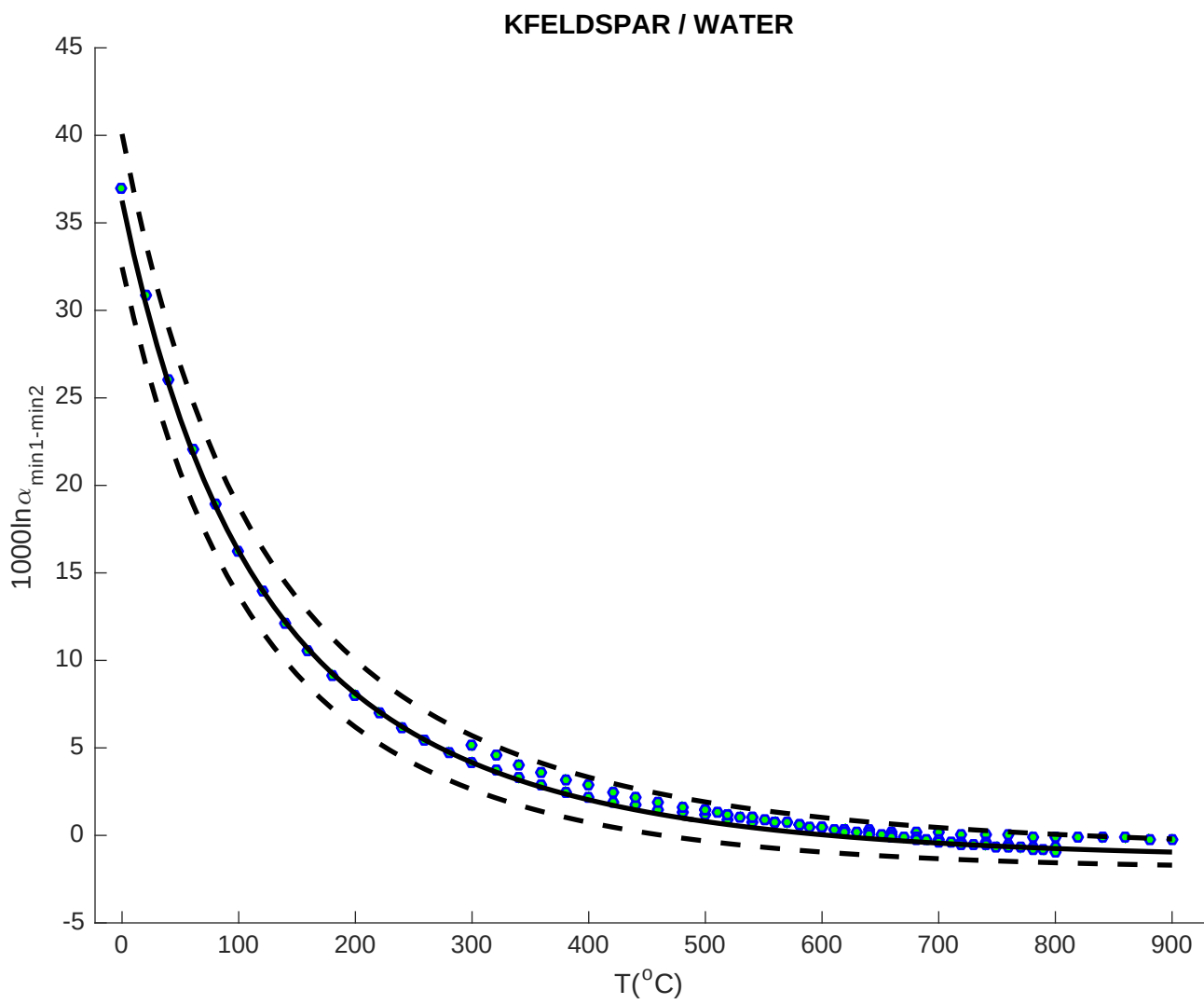




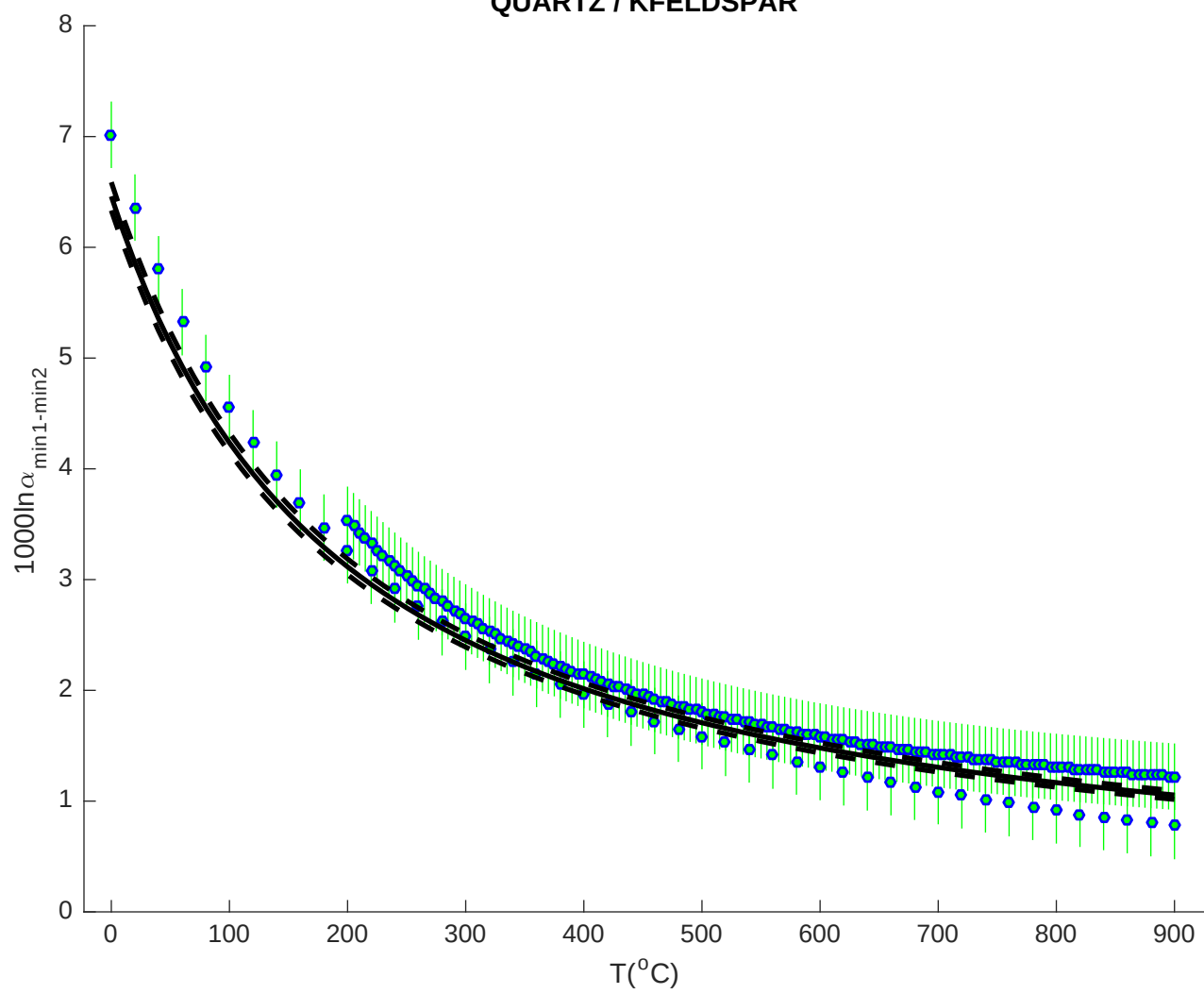
QUARTZ / ANORTHITE

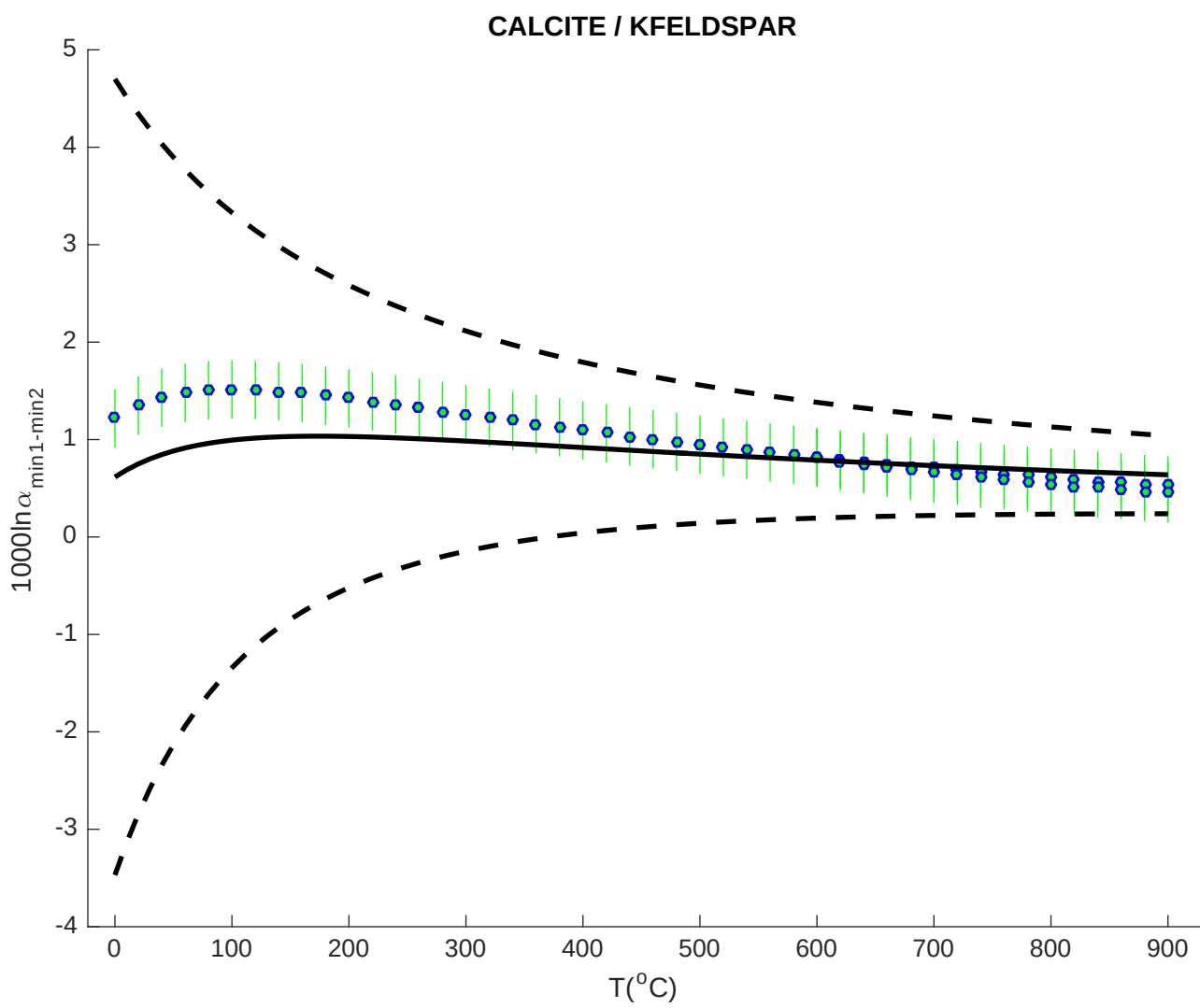


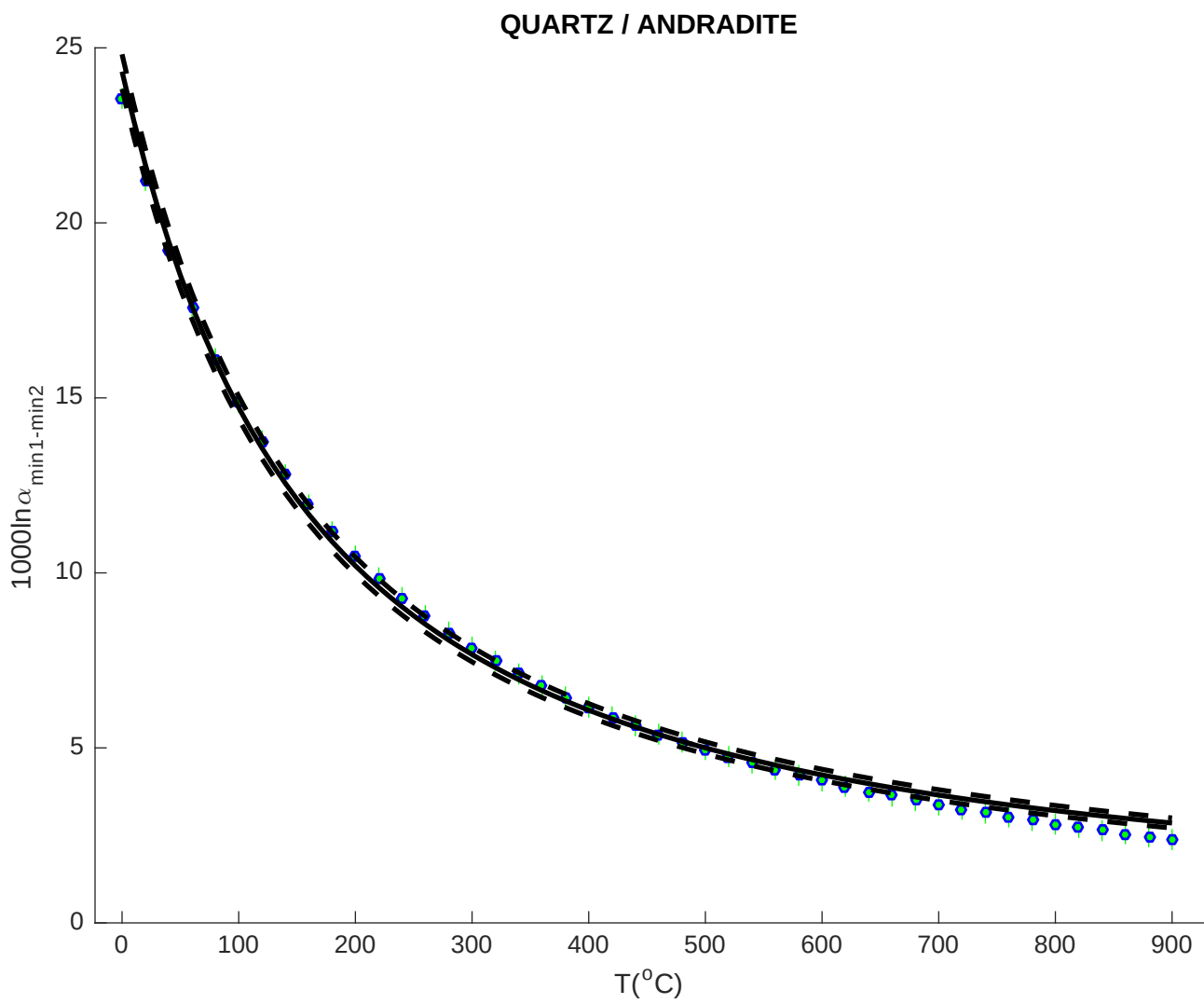


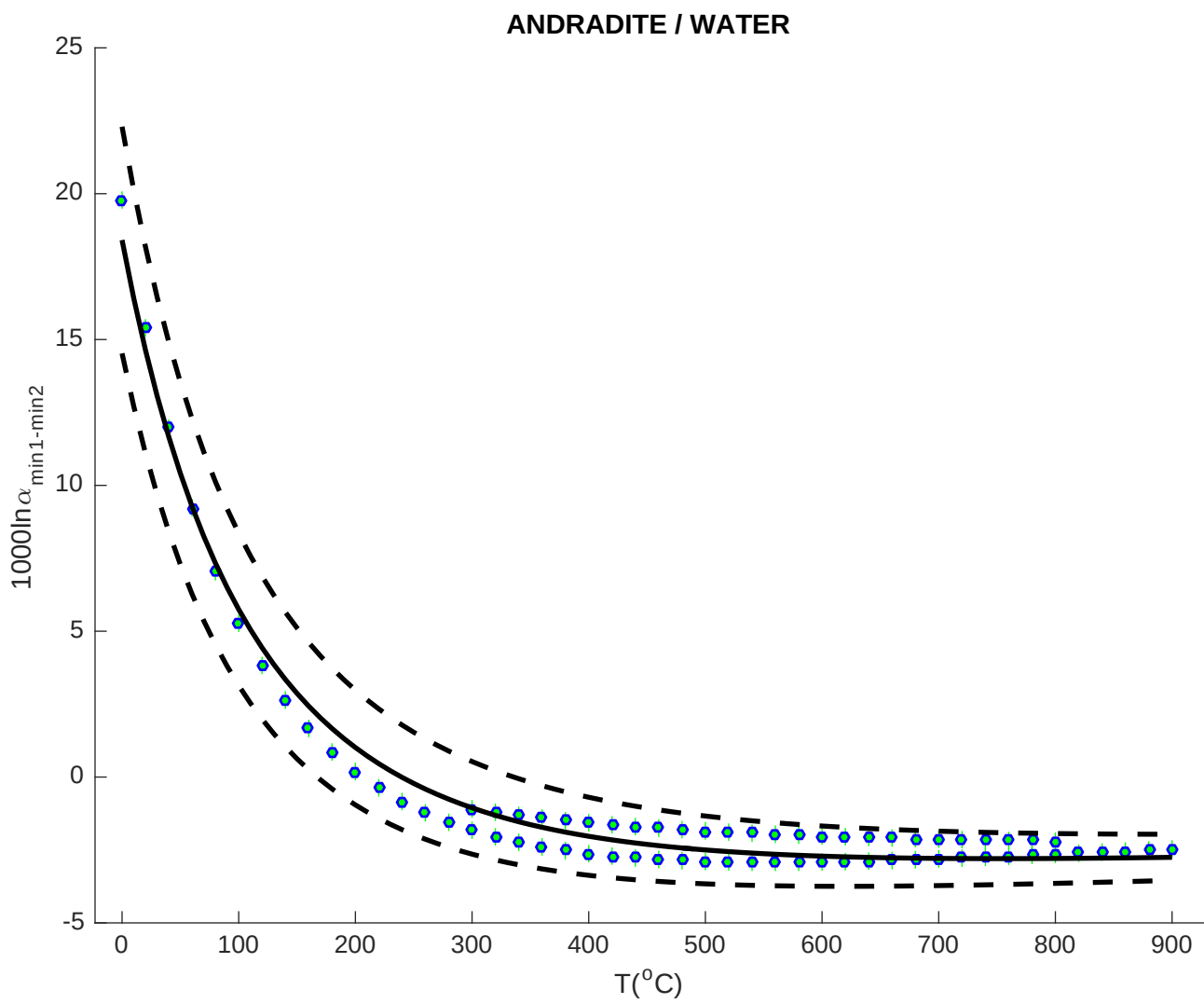


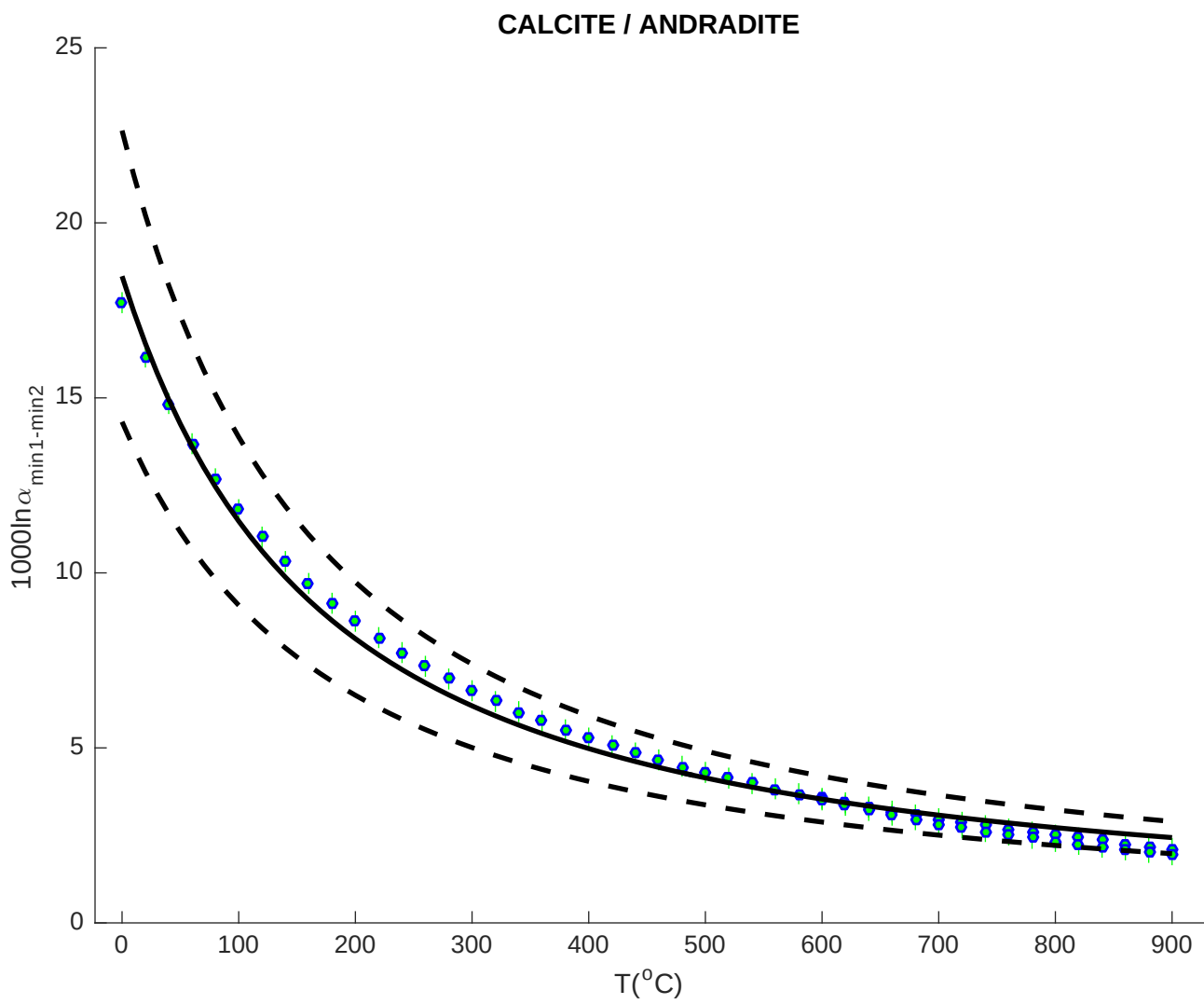
QUARTZ / KFELDSPAR

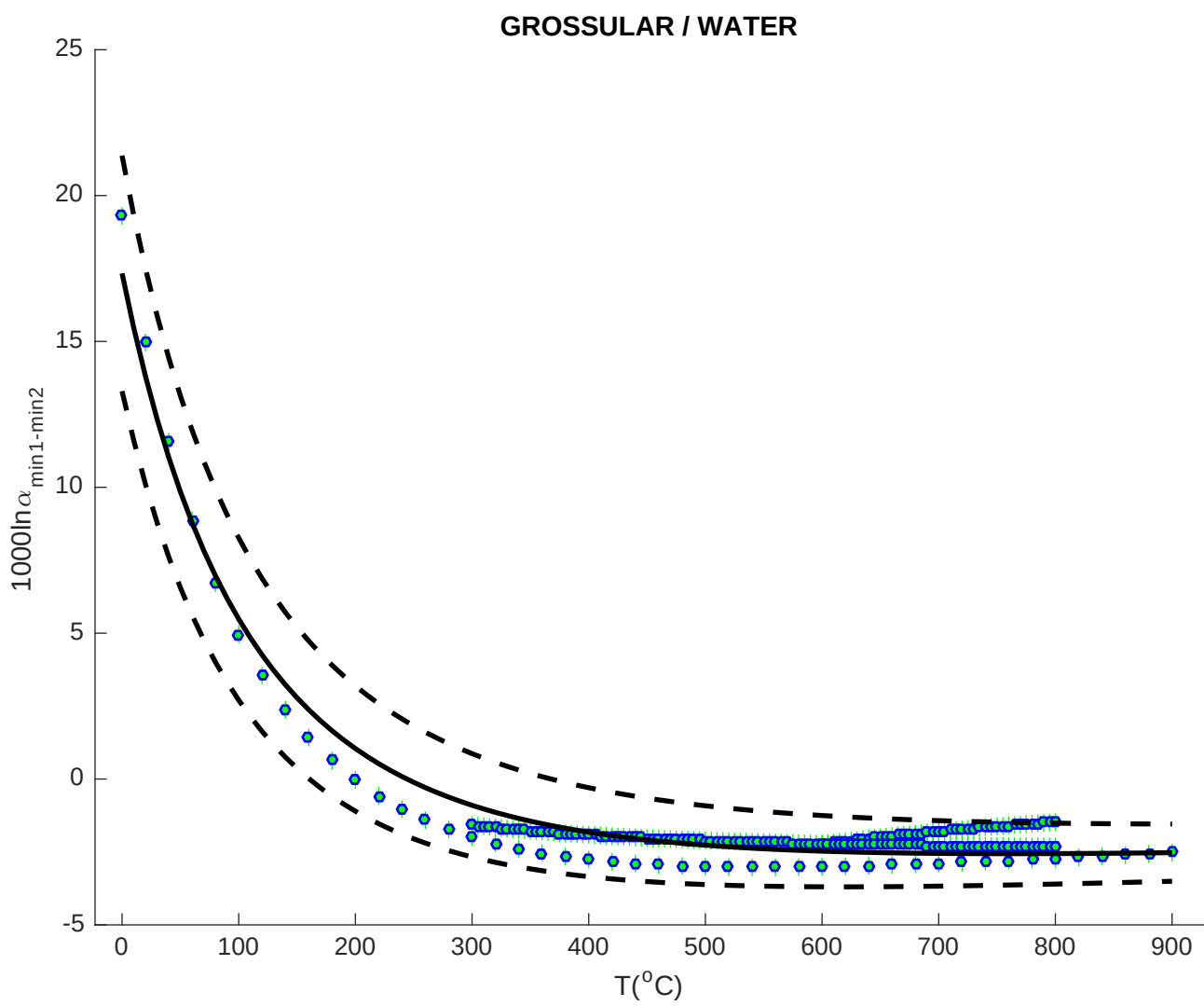


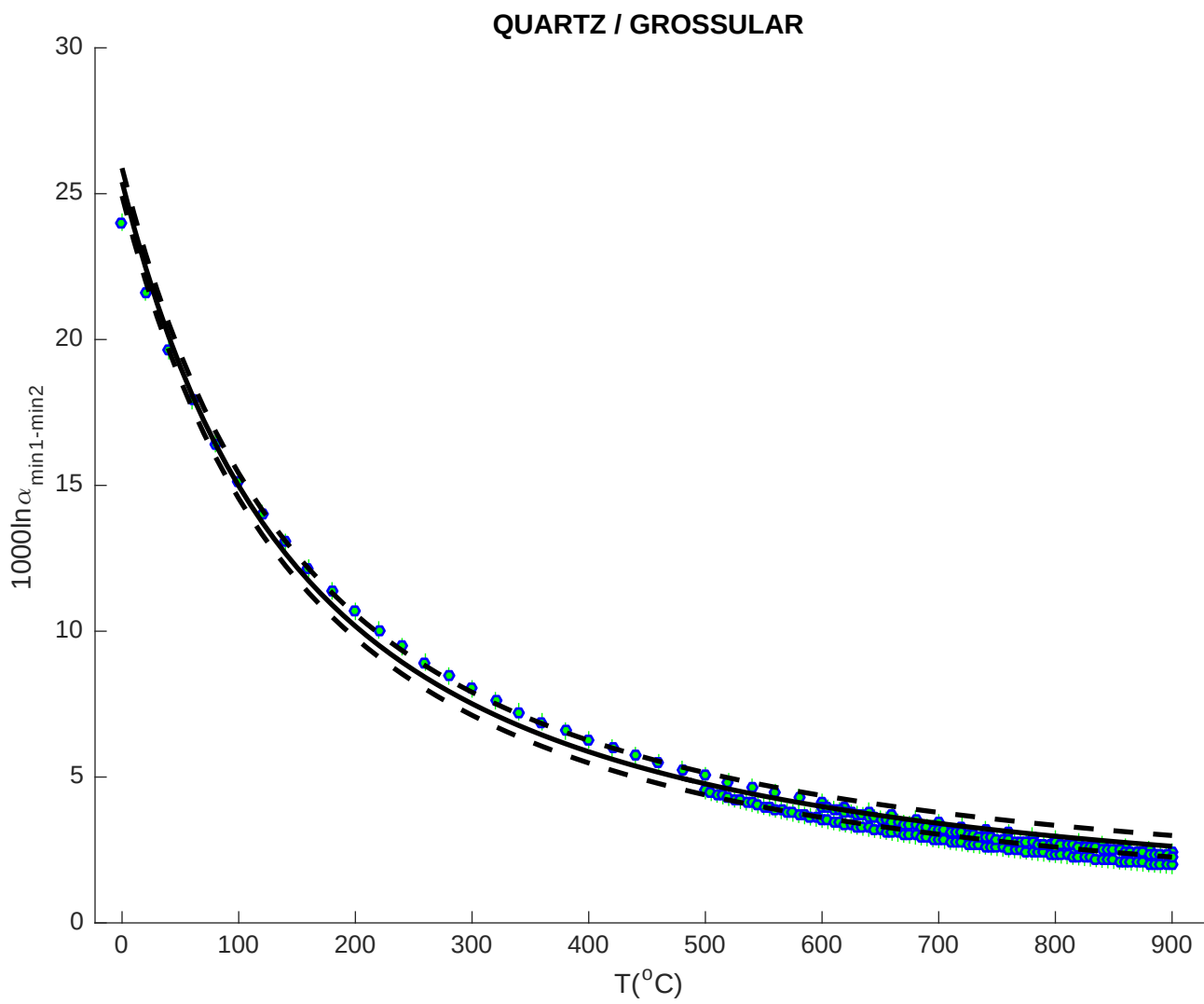


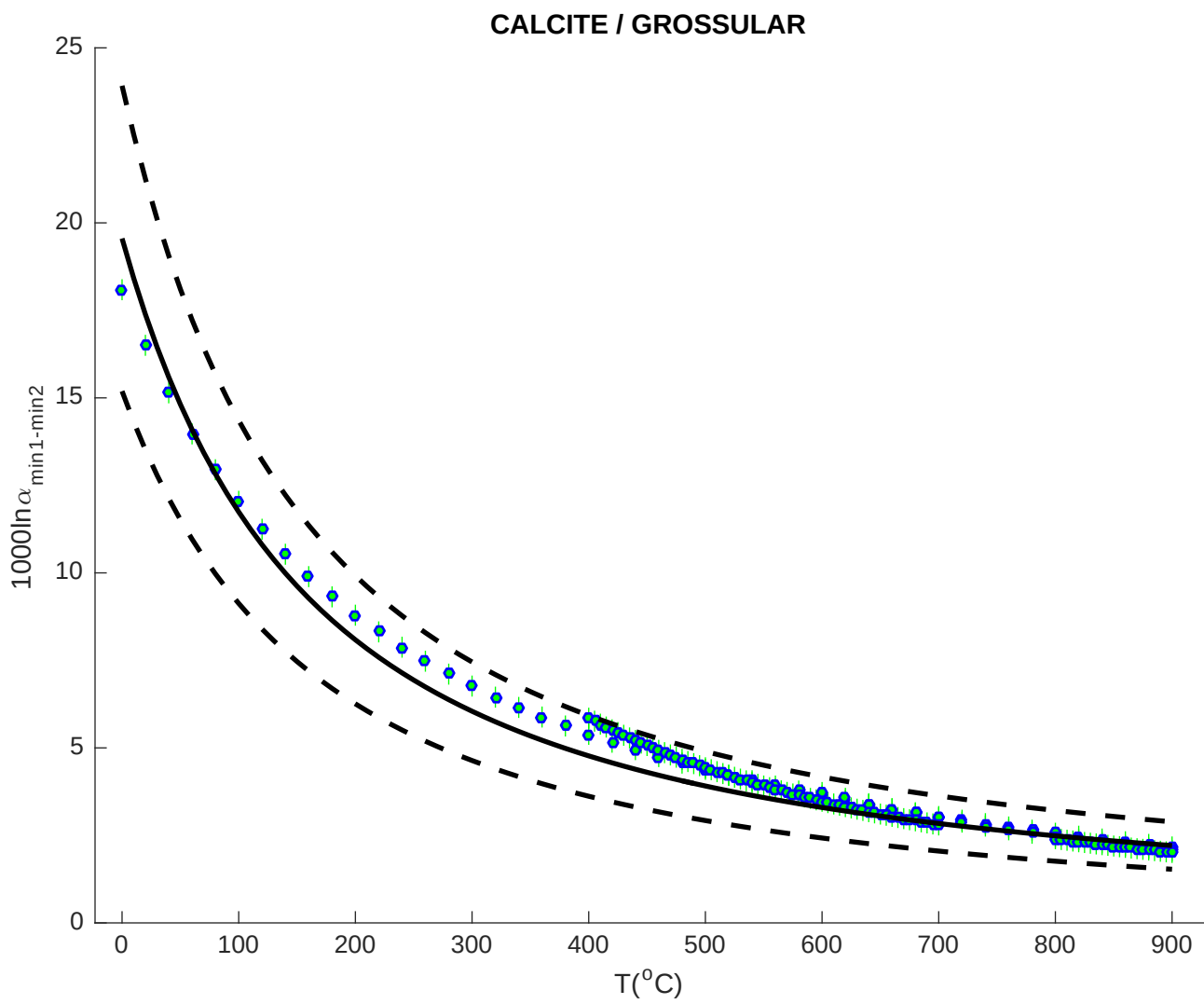


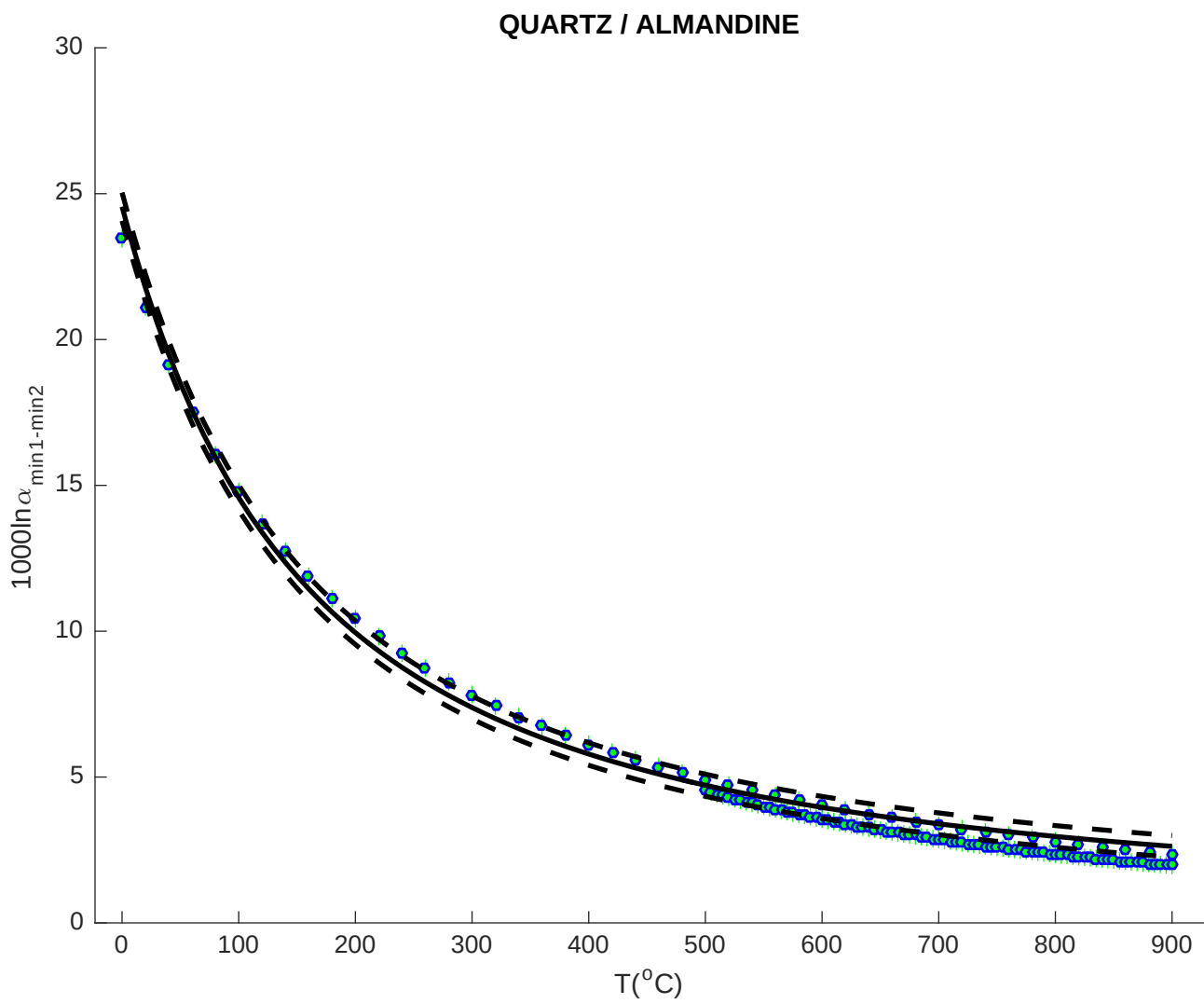


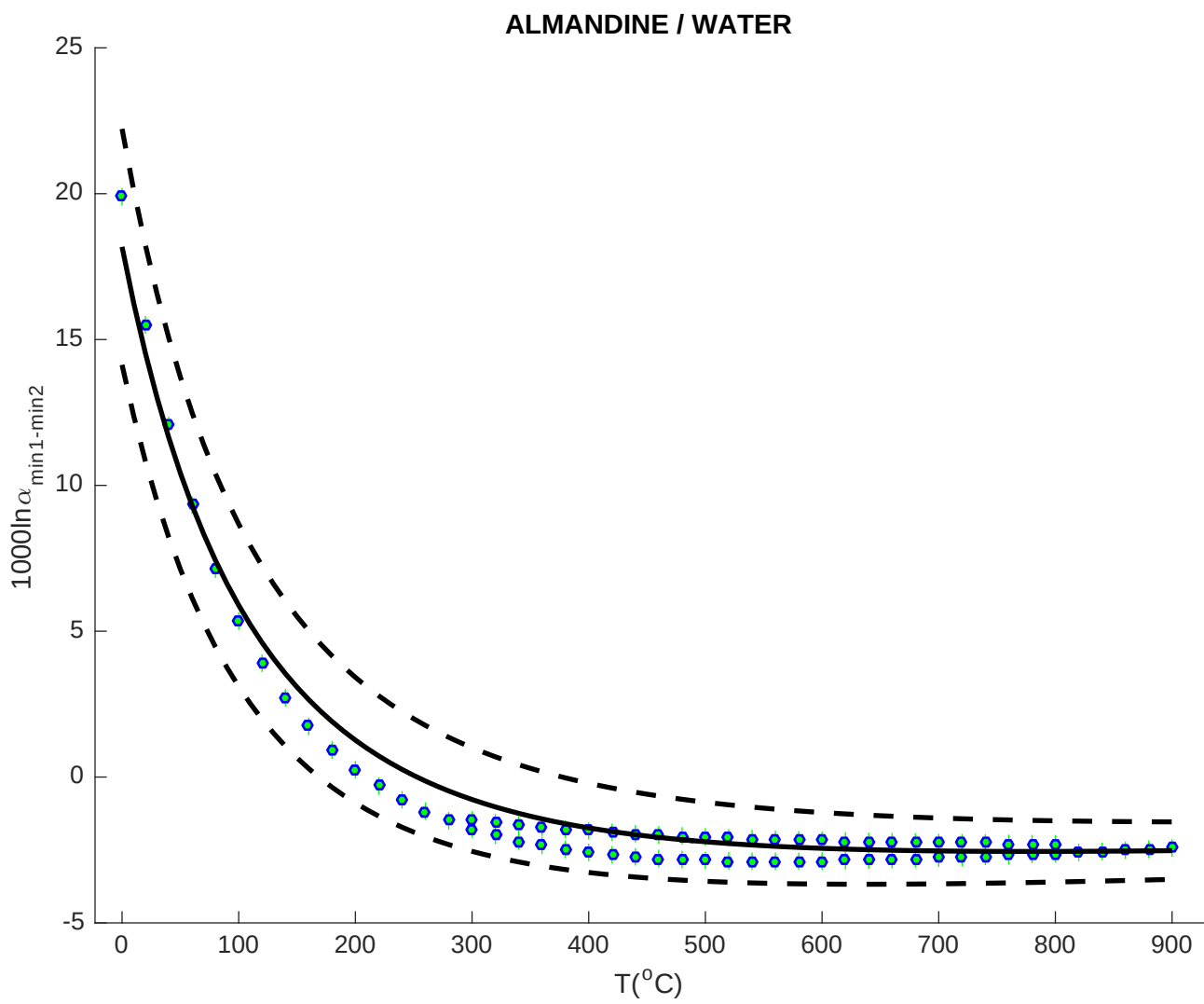


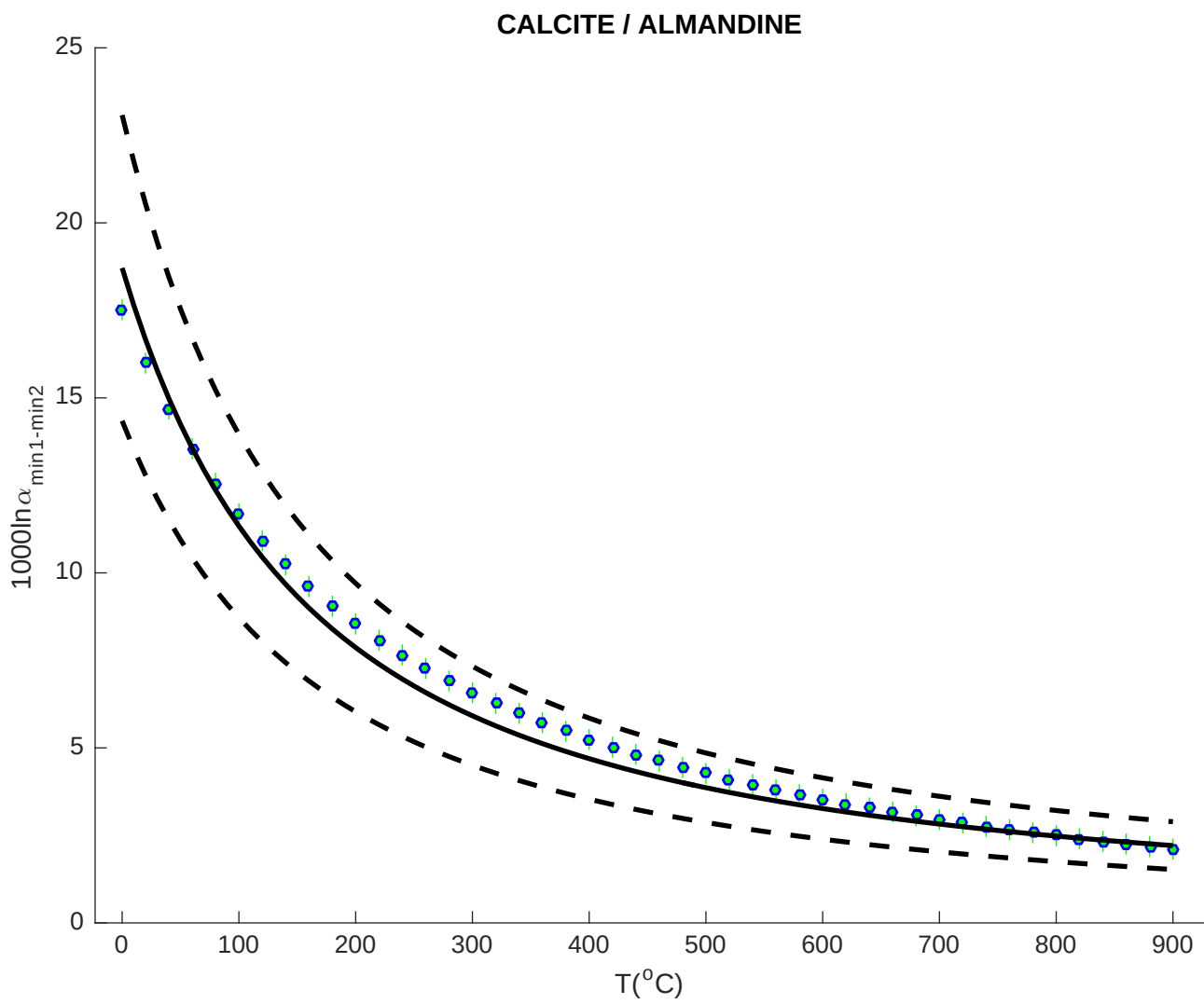


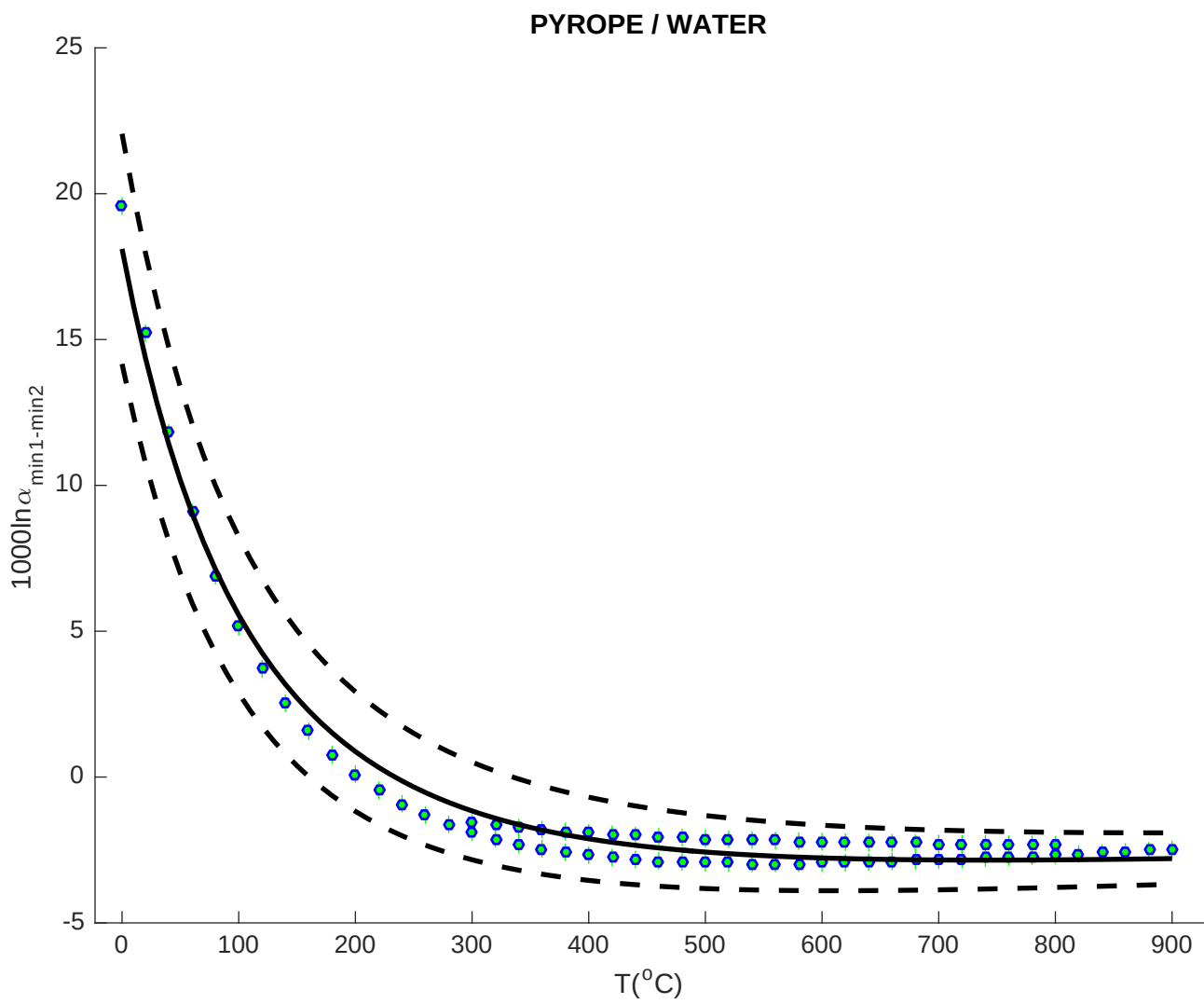


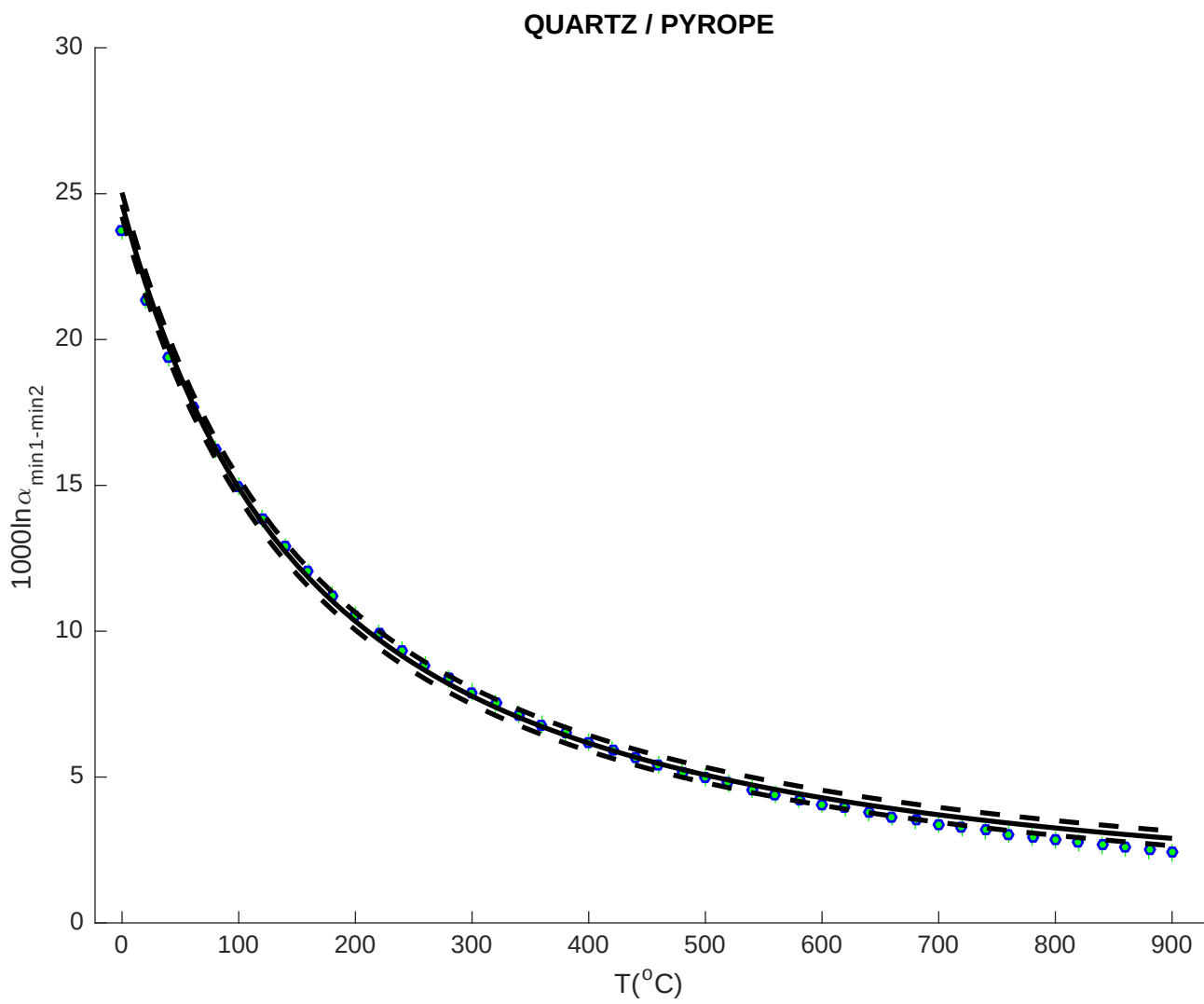


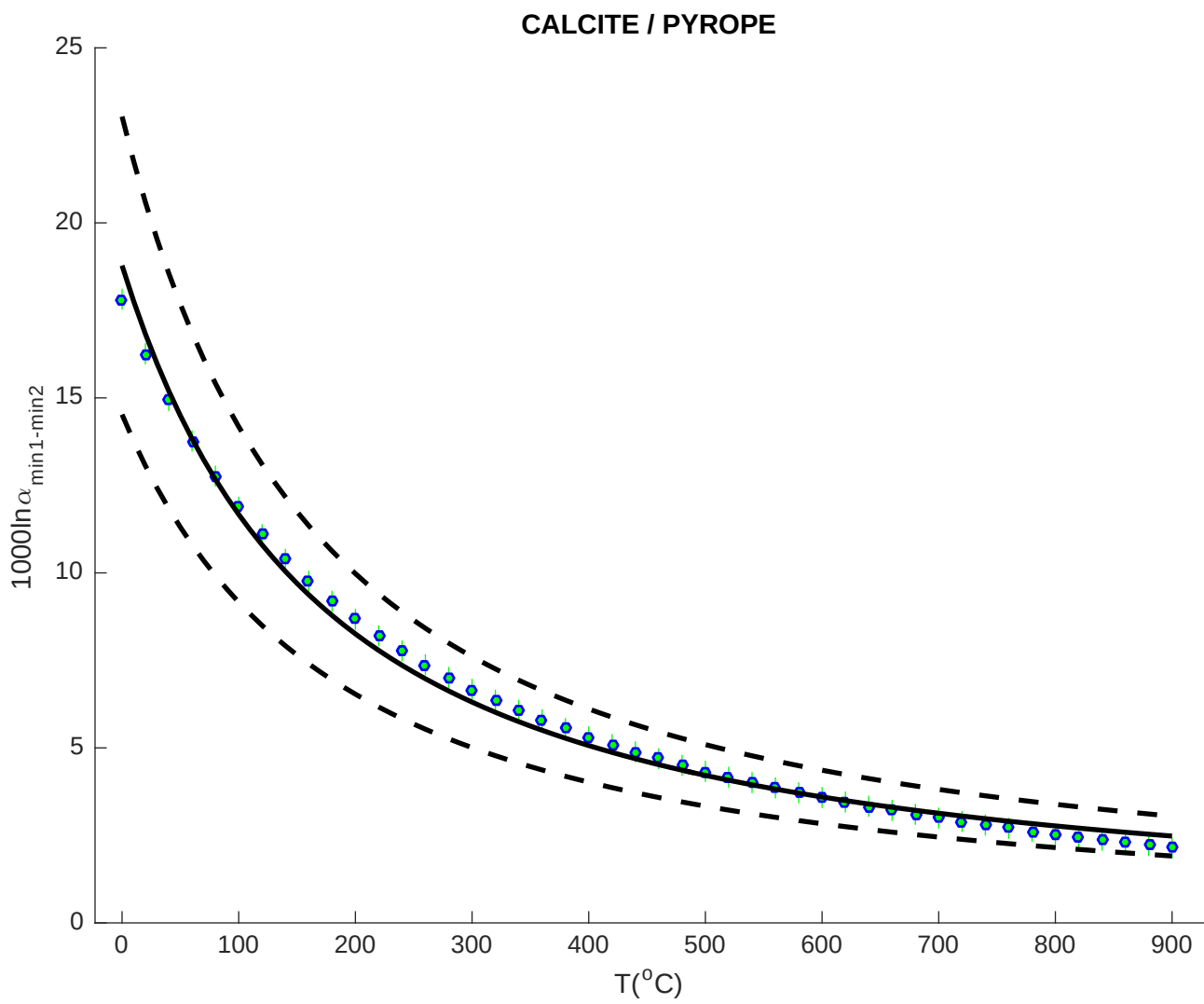




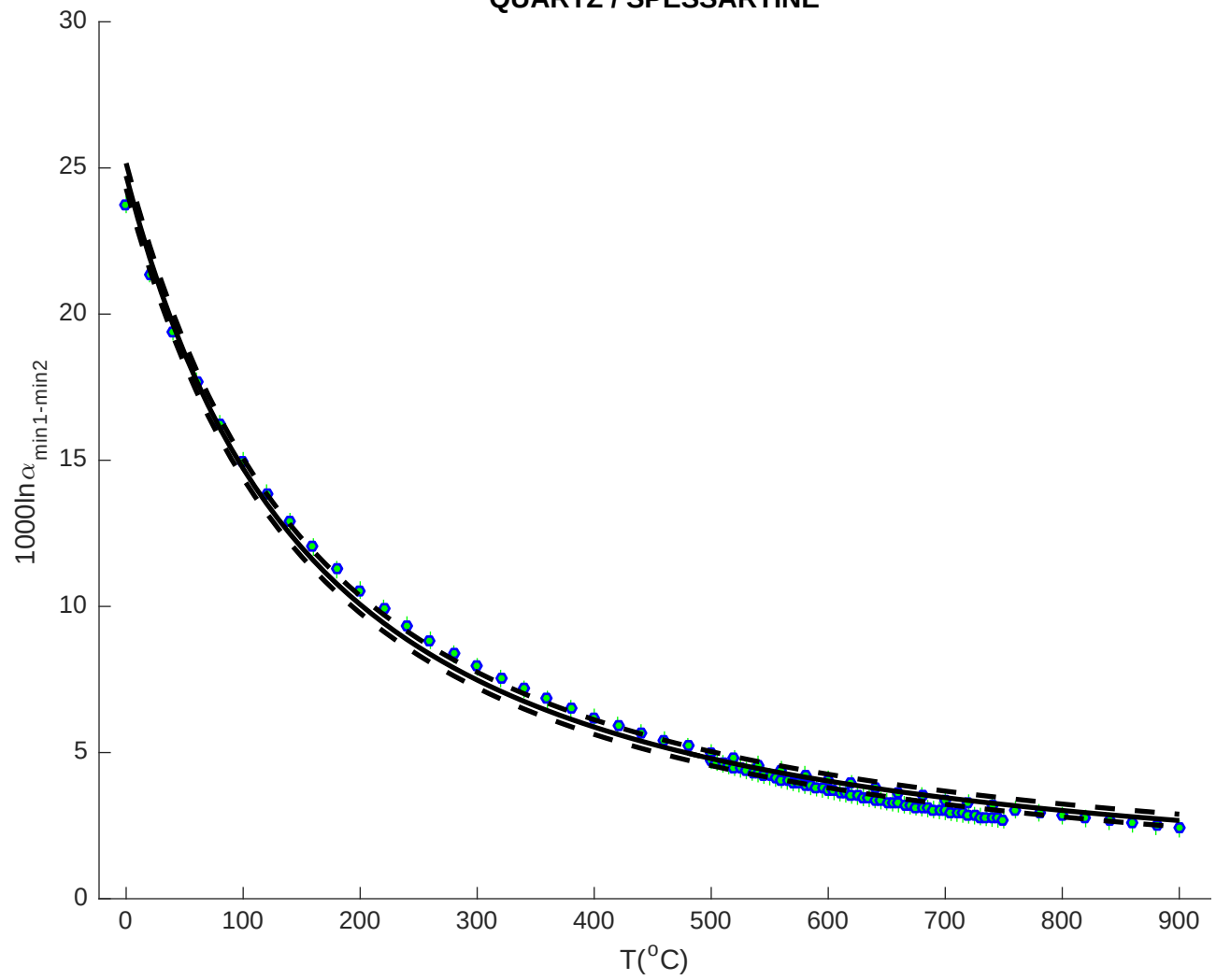


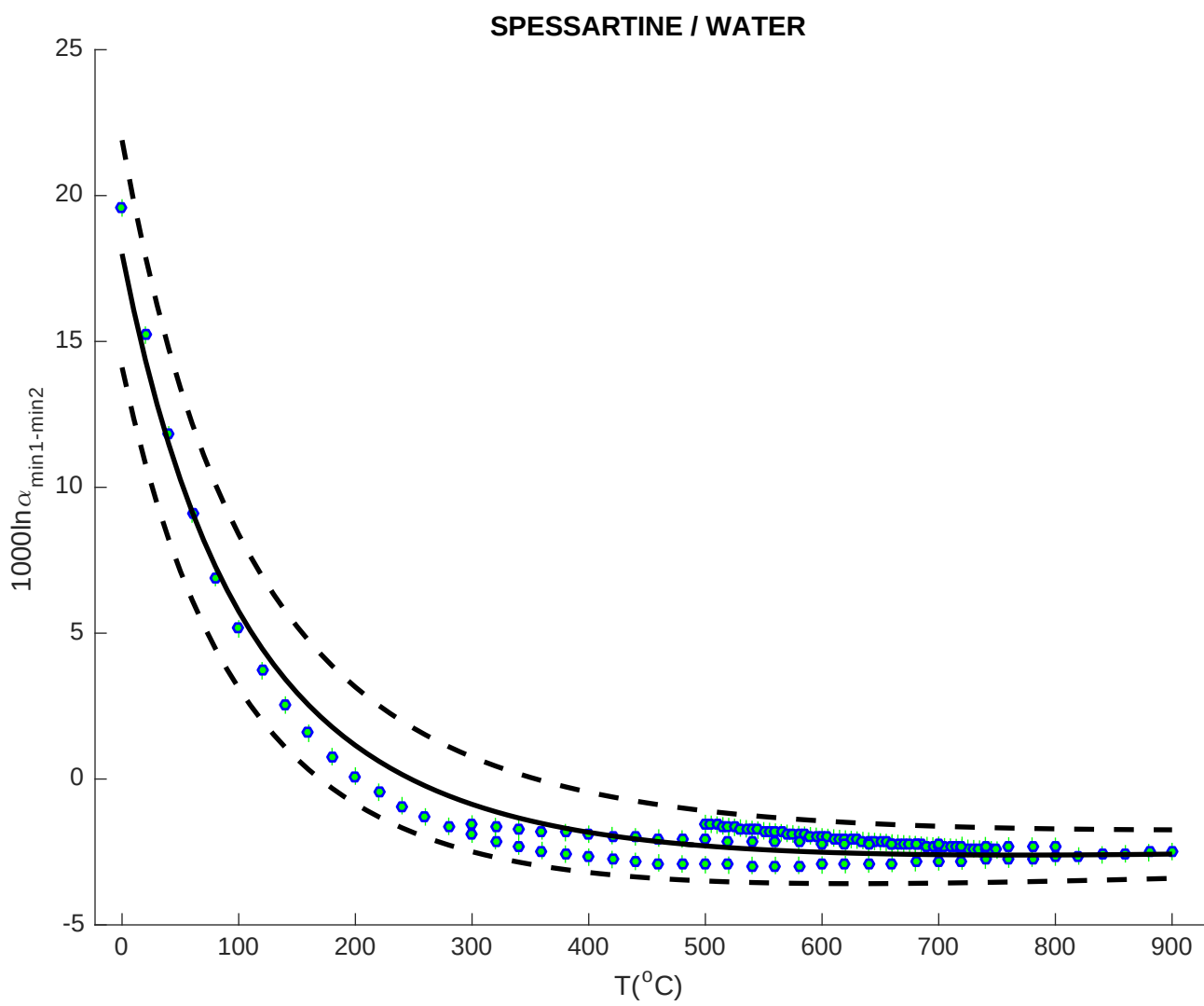


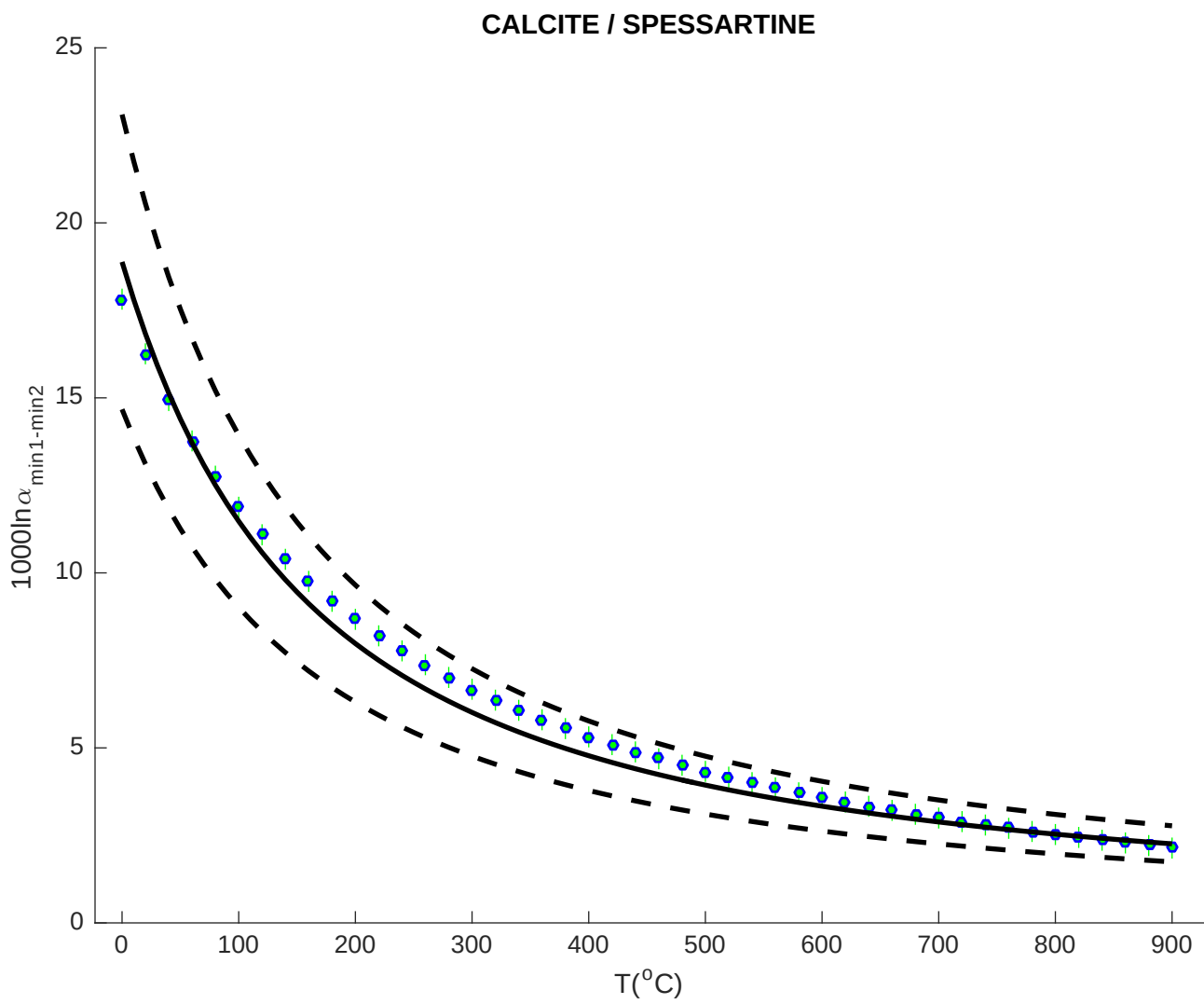


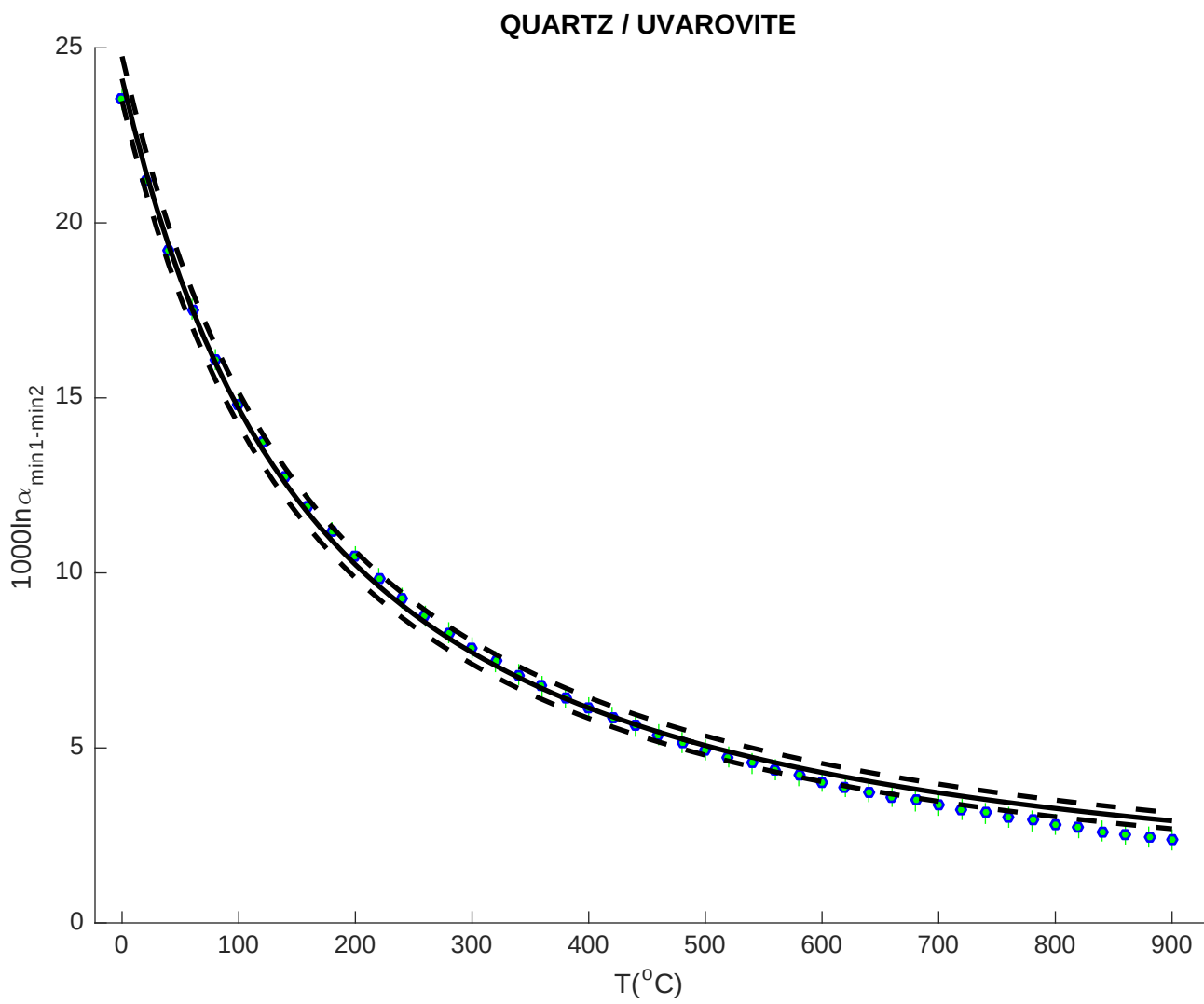


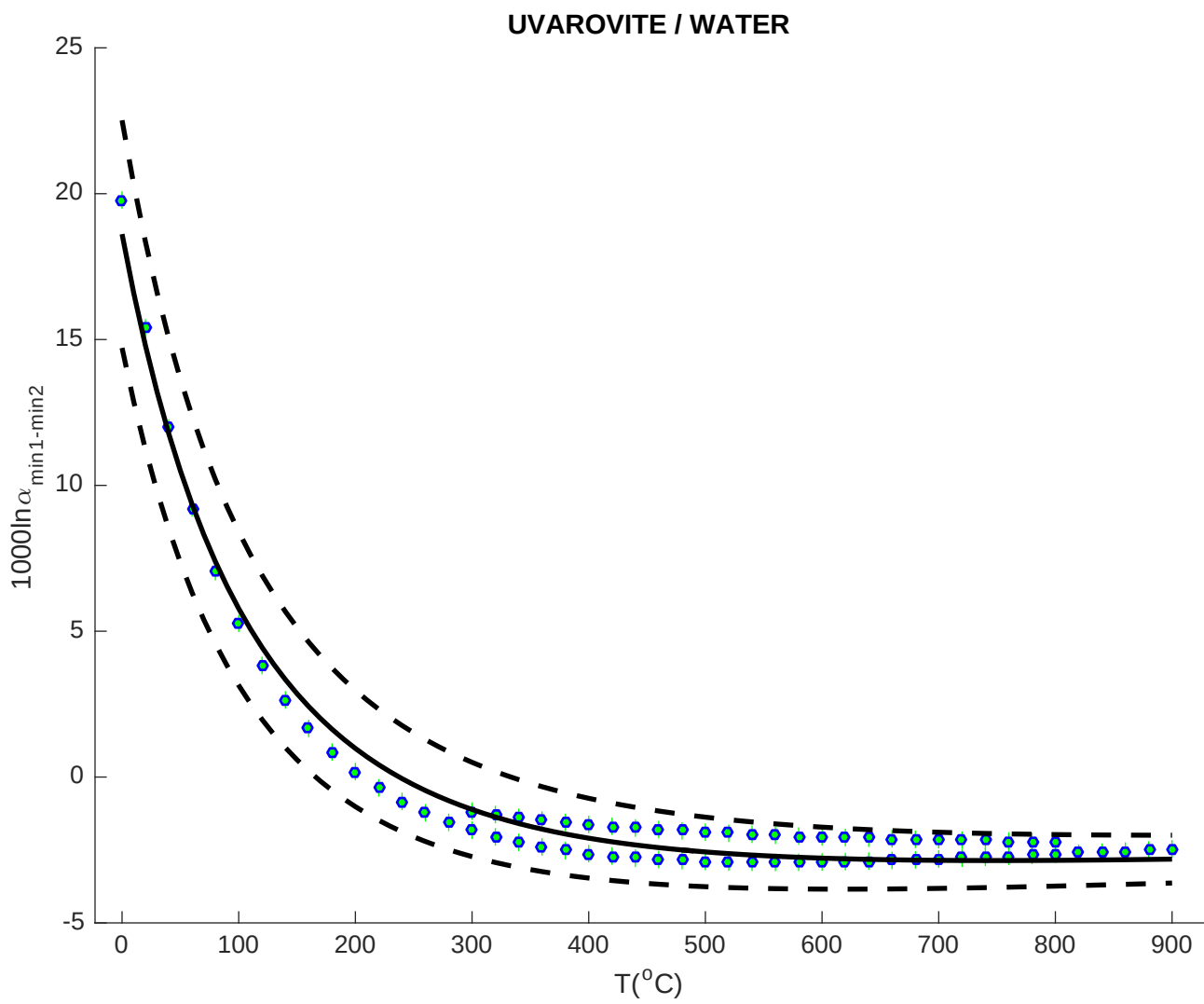
QUARTZ / SPESSARTINE

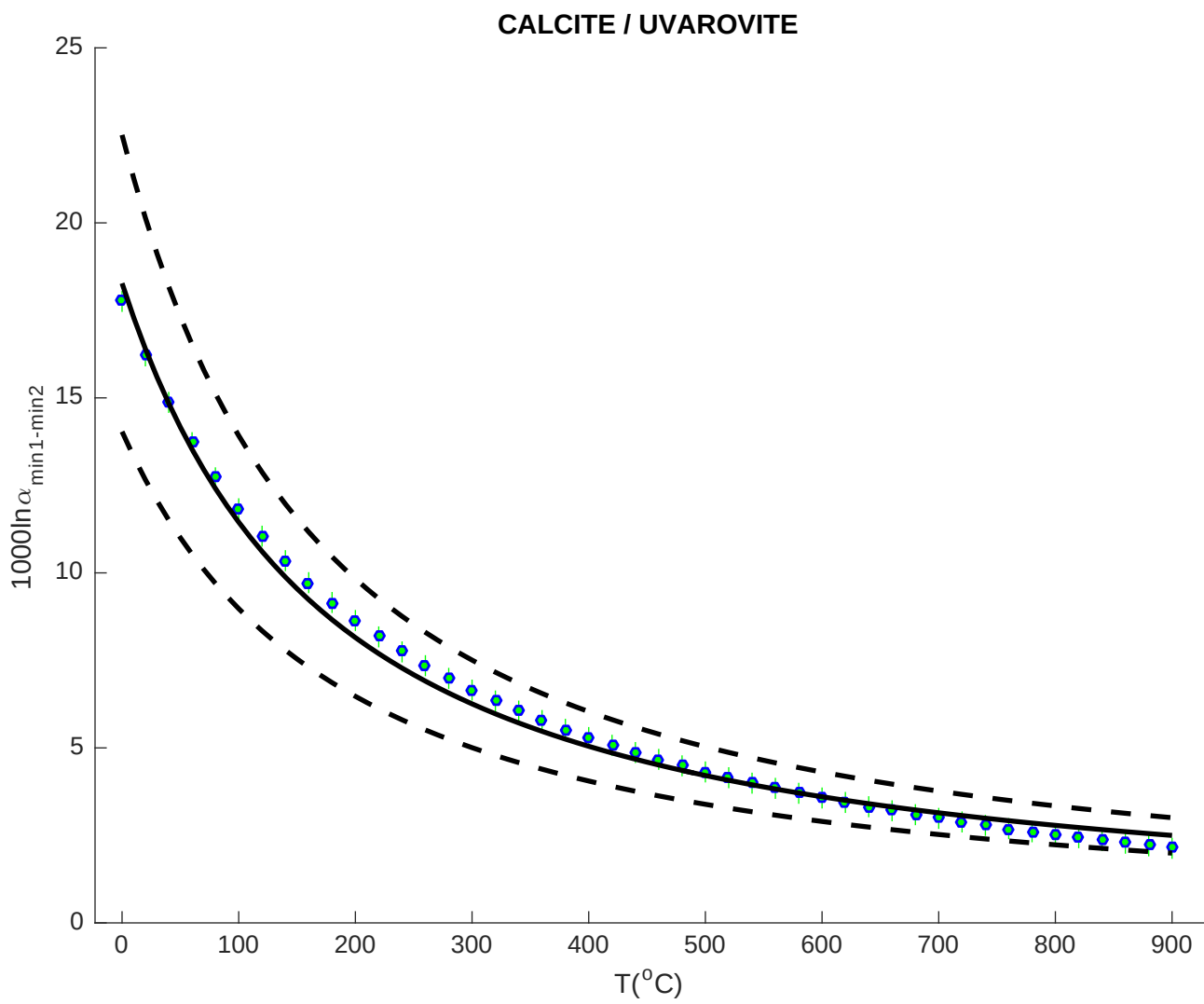


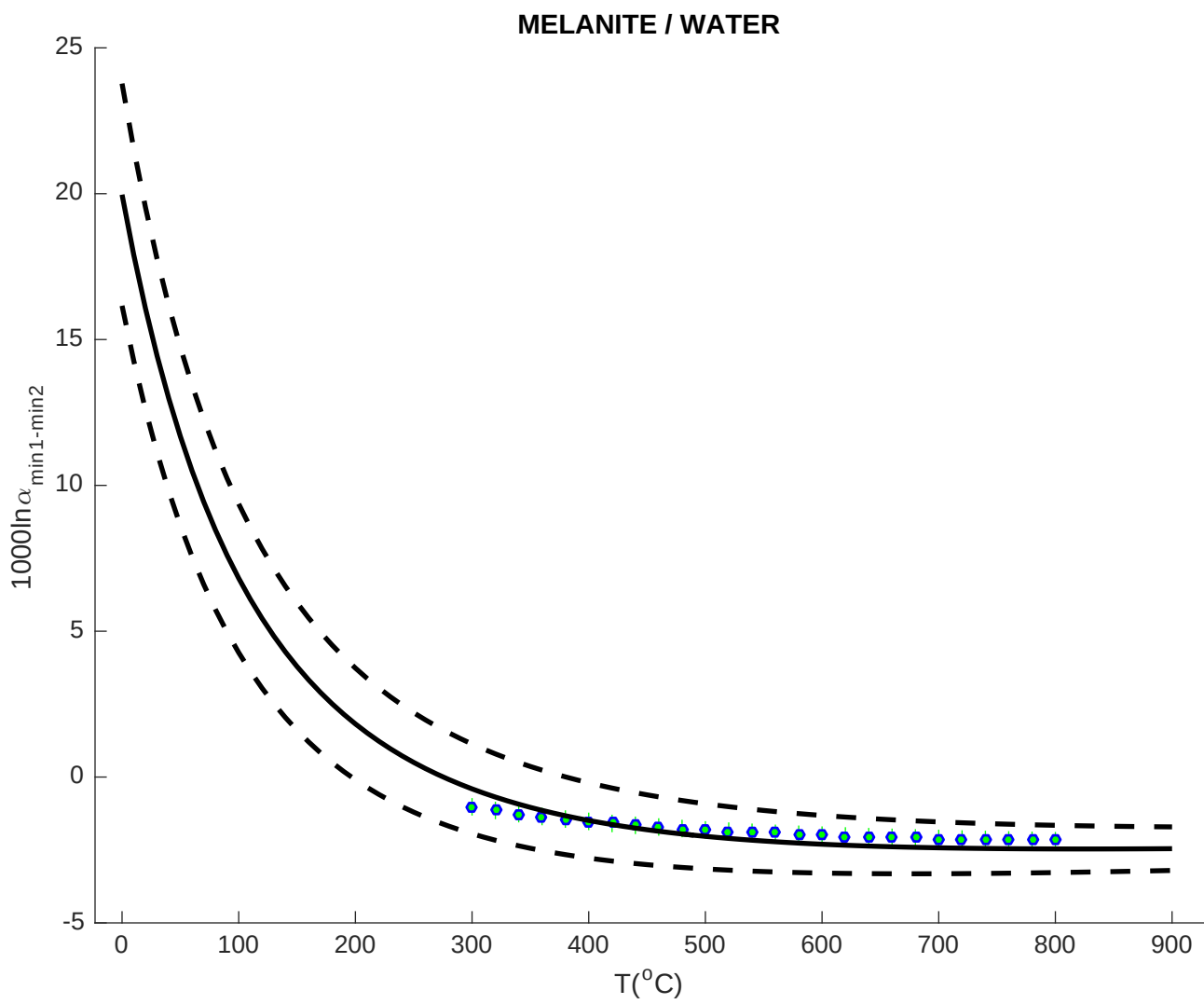


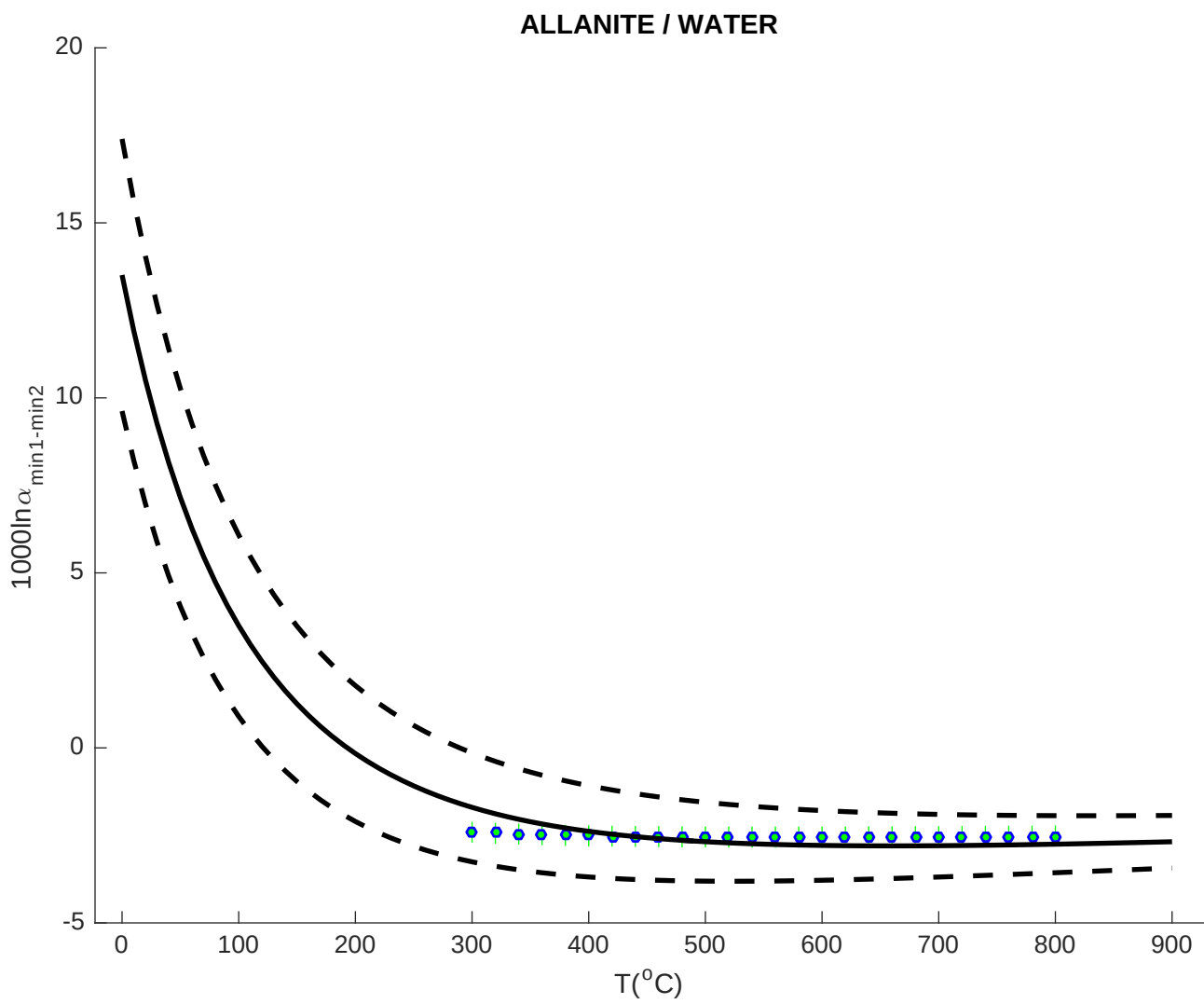


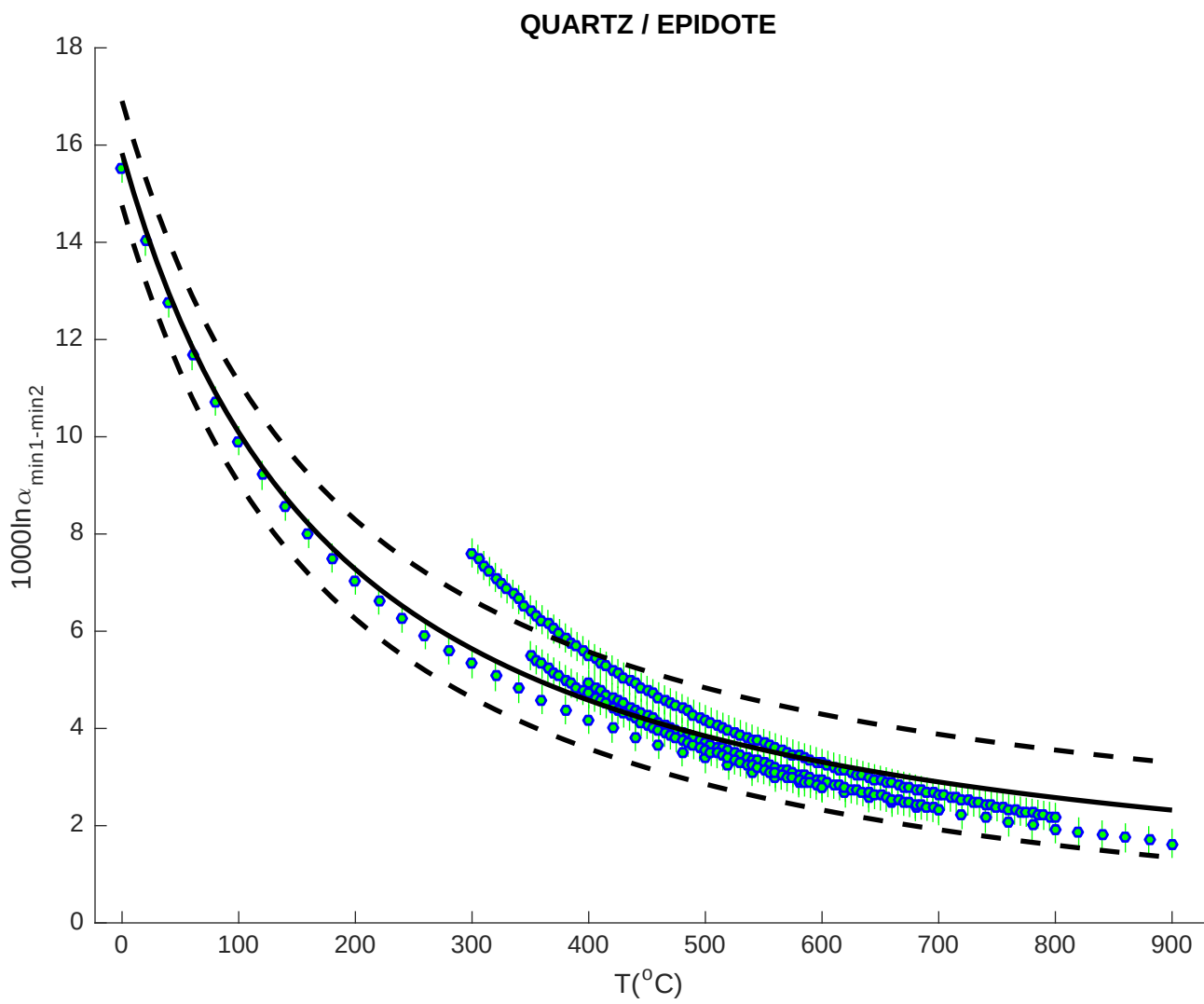


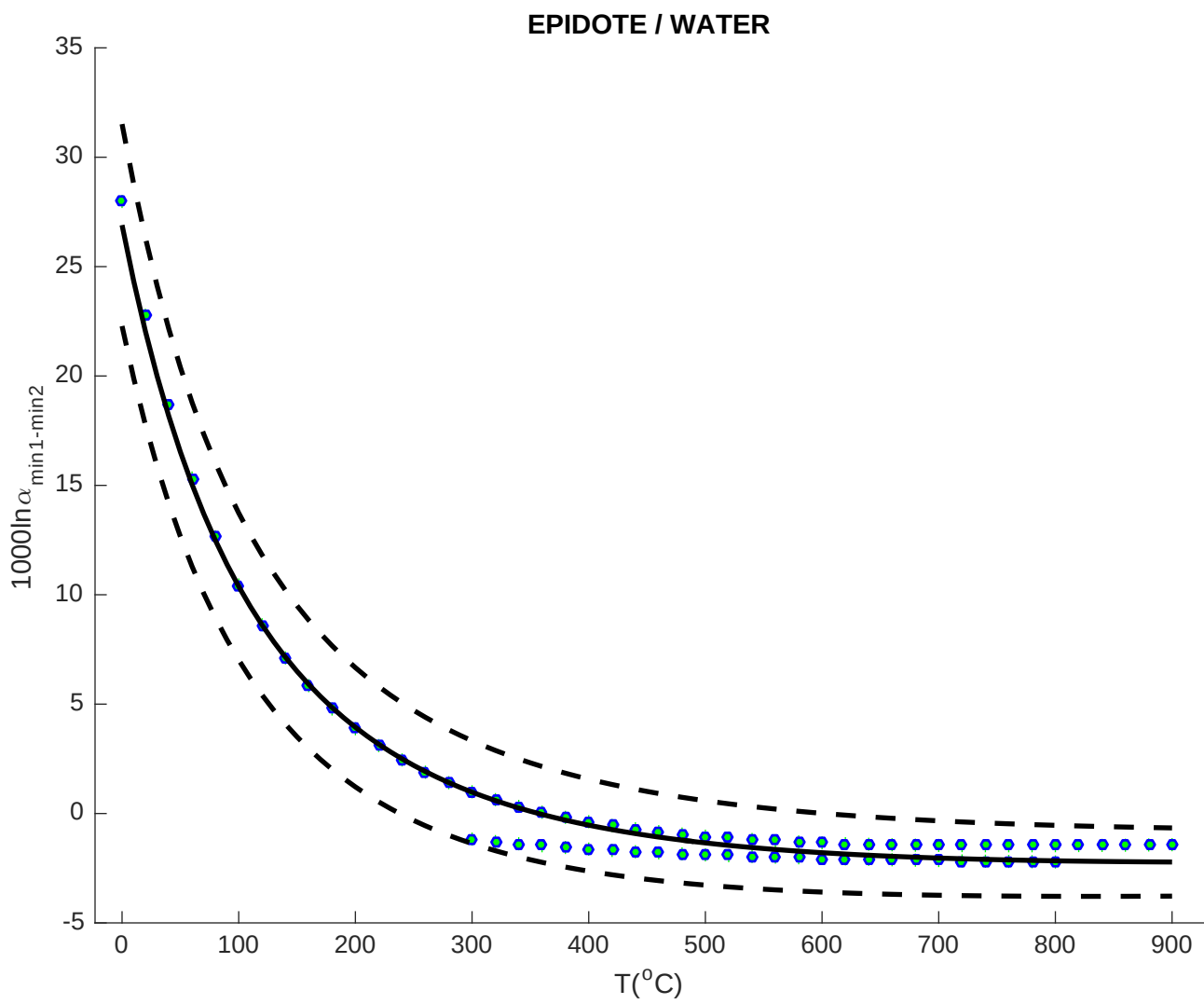


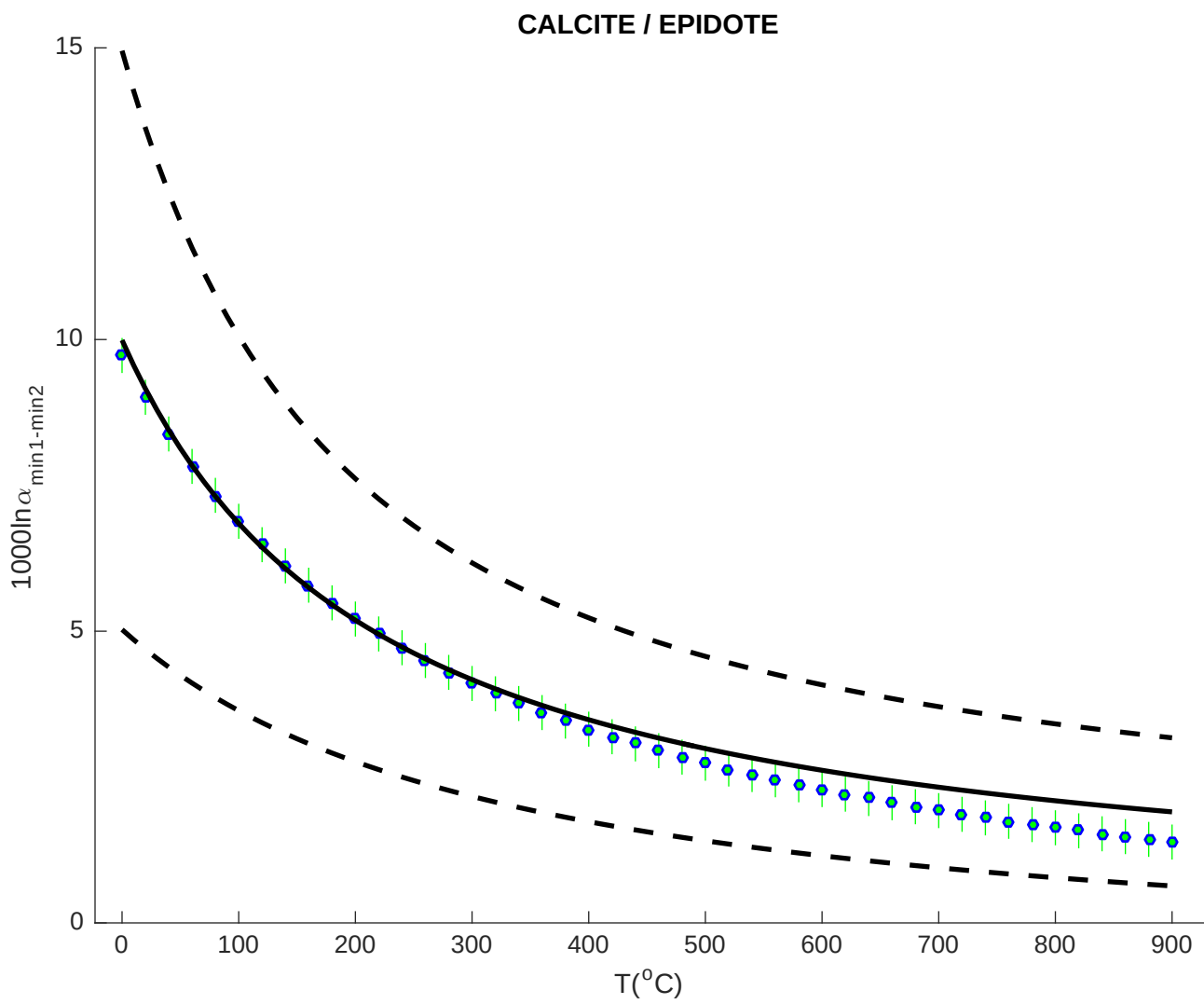


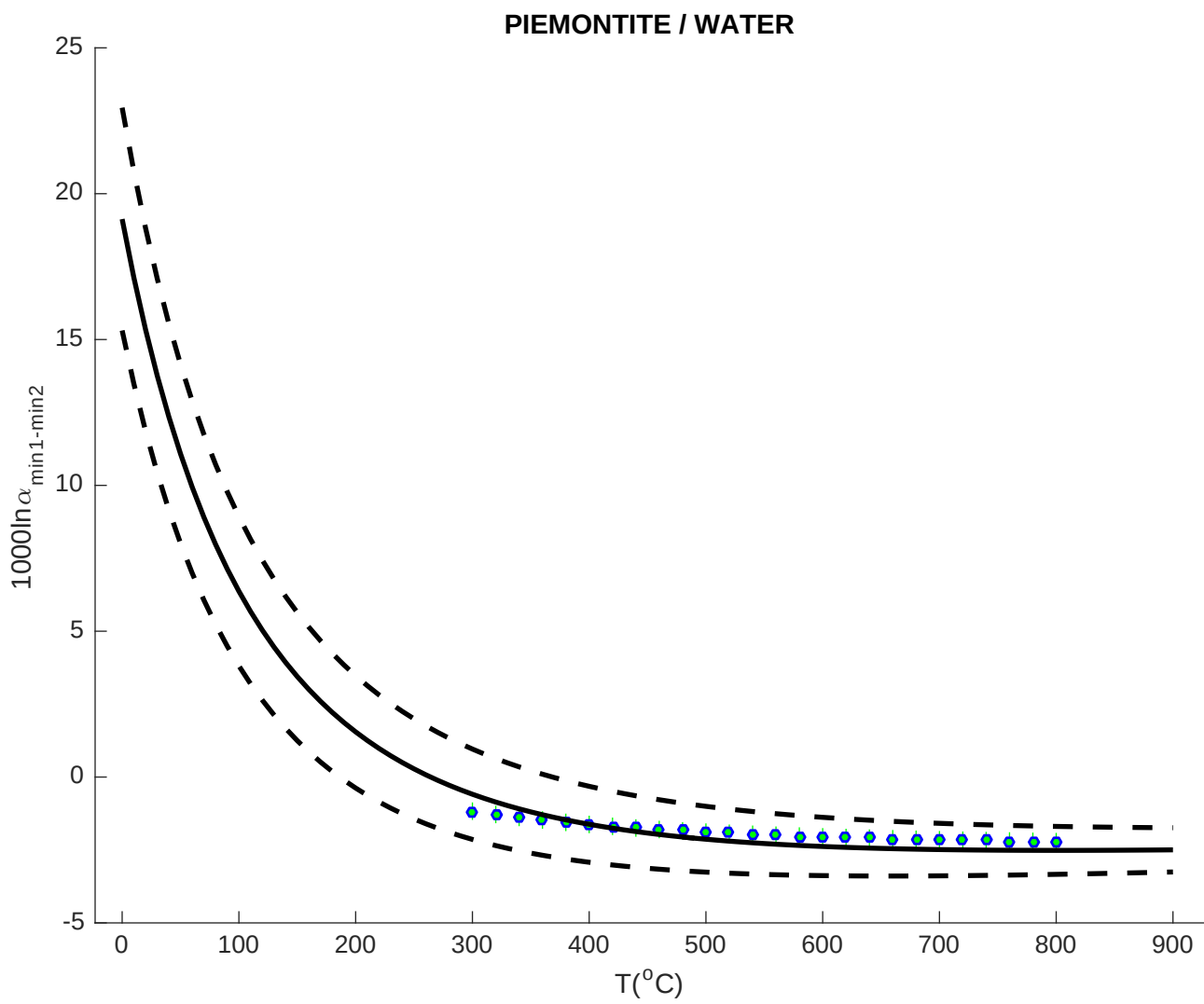




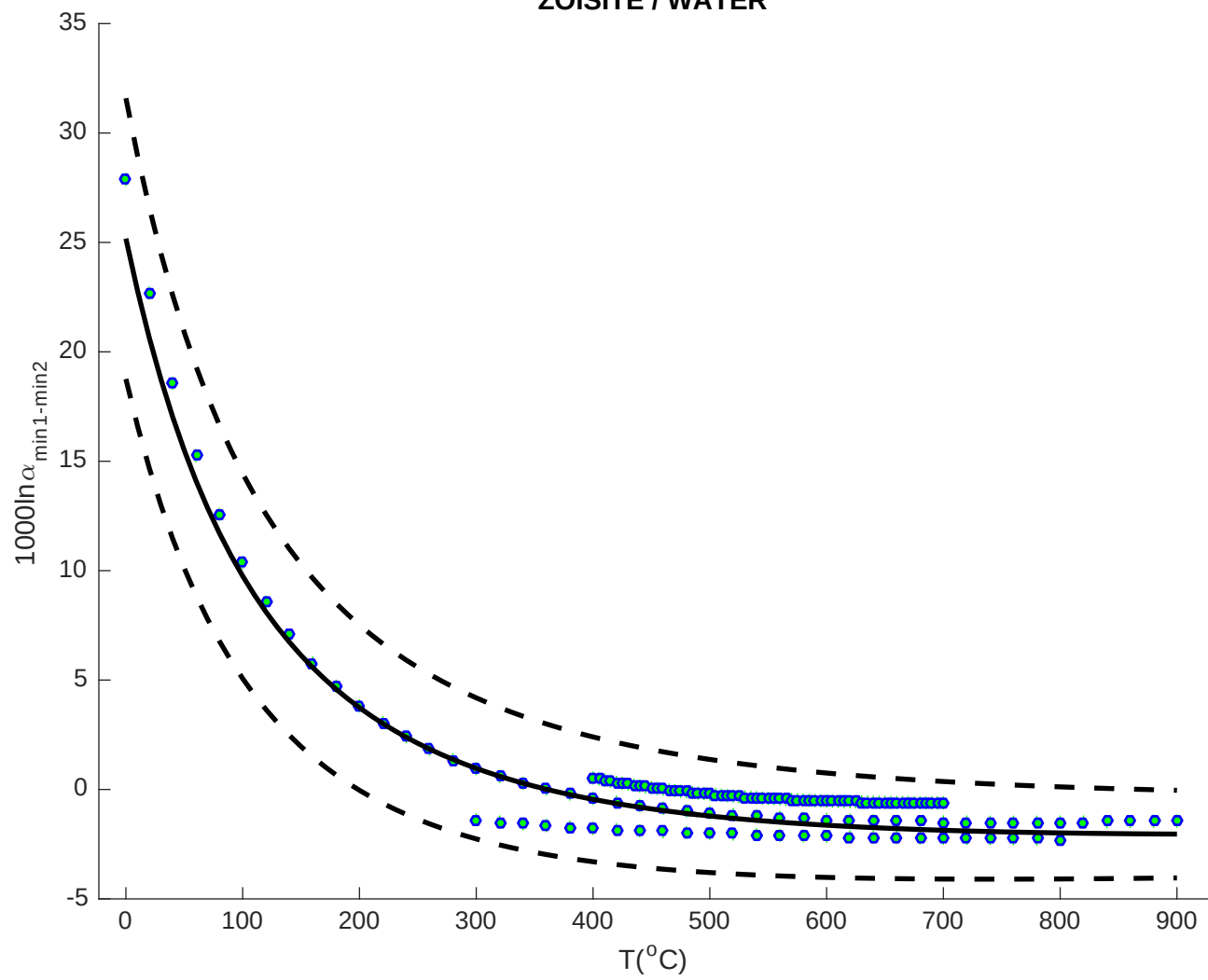


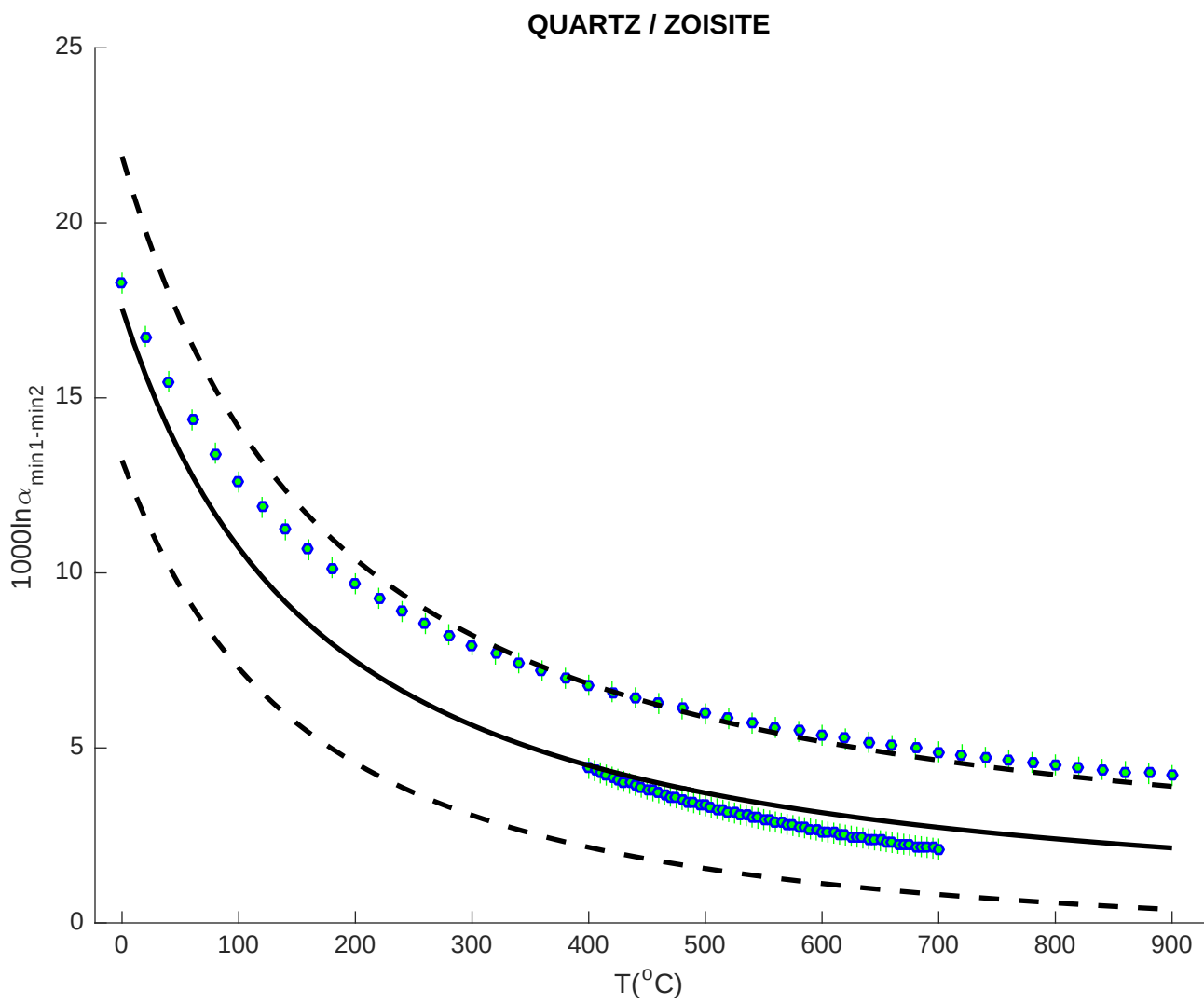


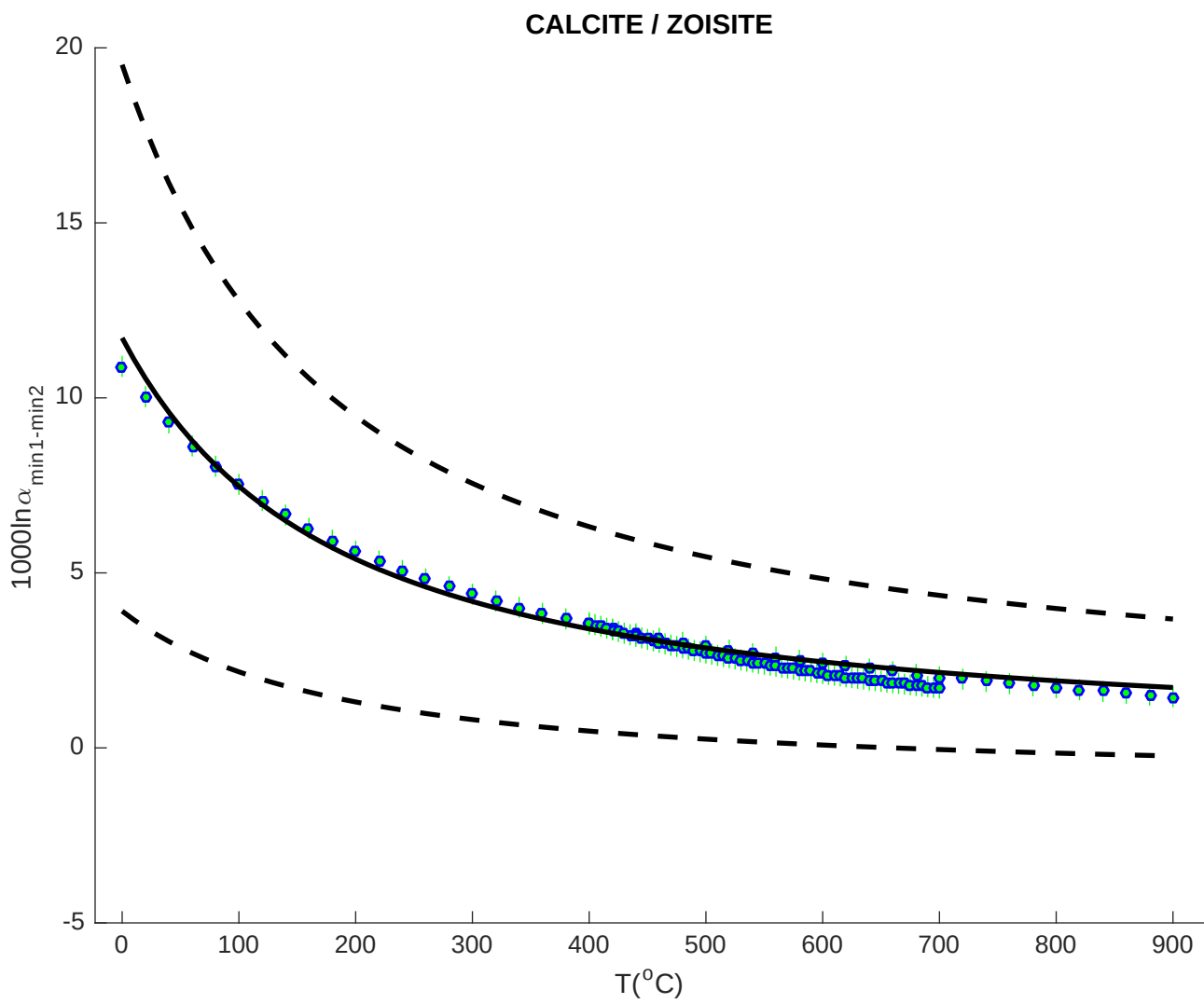




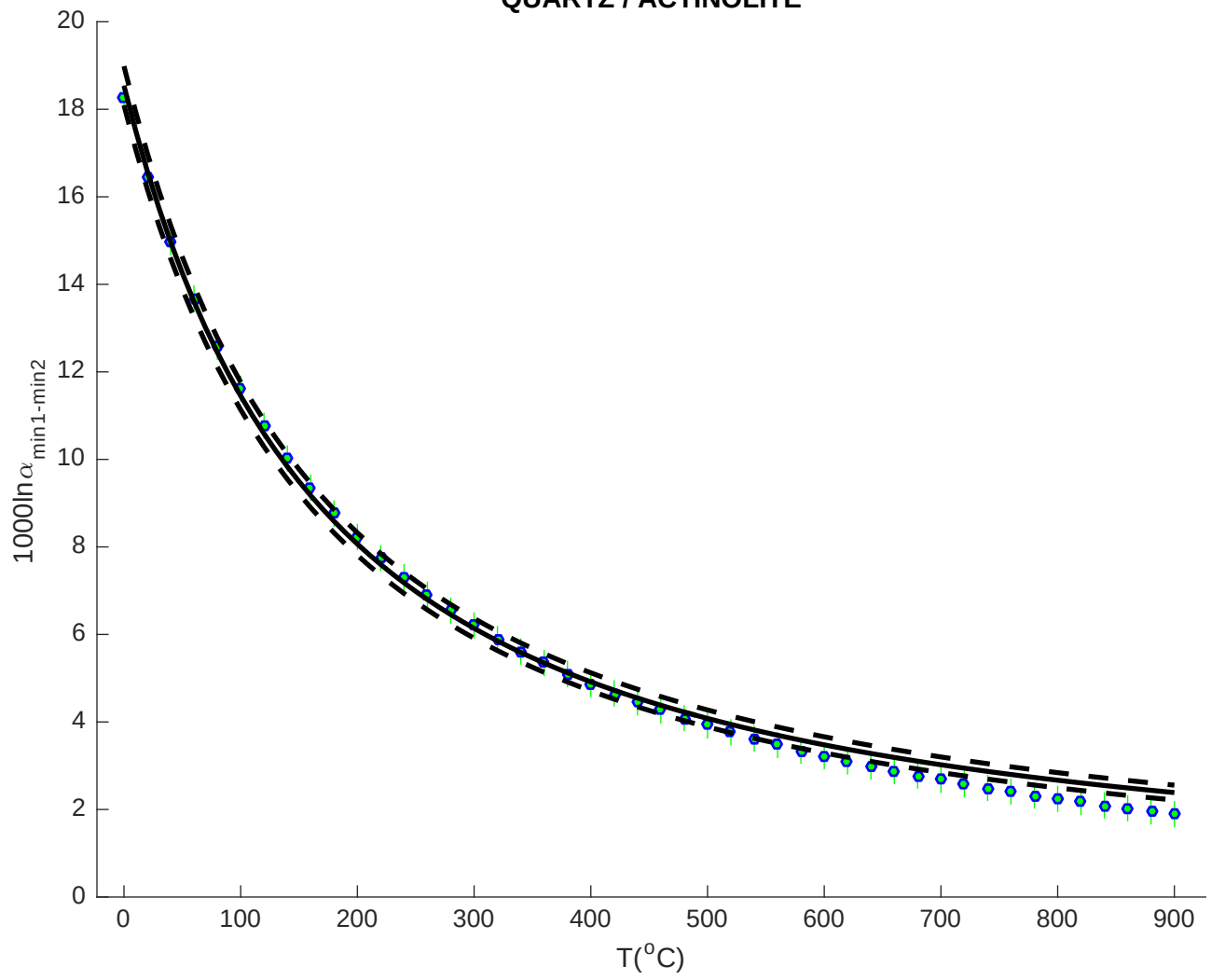
ZOISITE / WATER

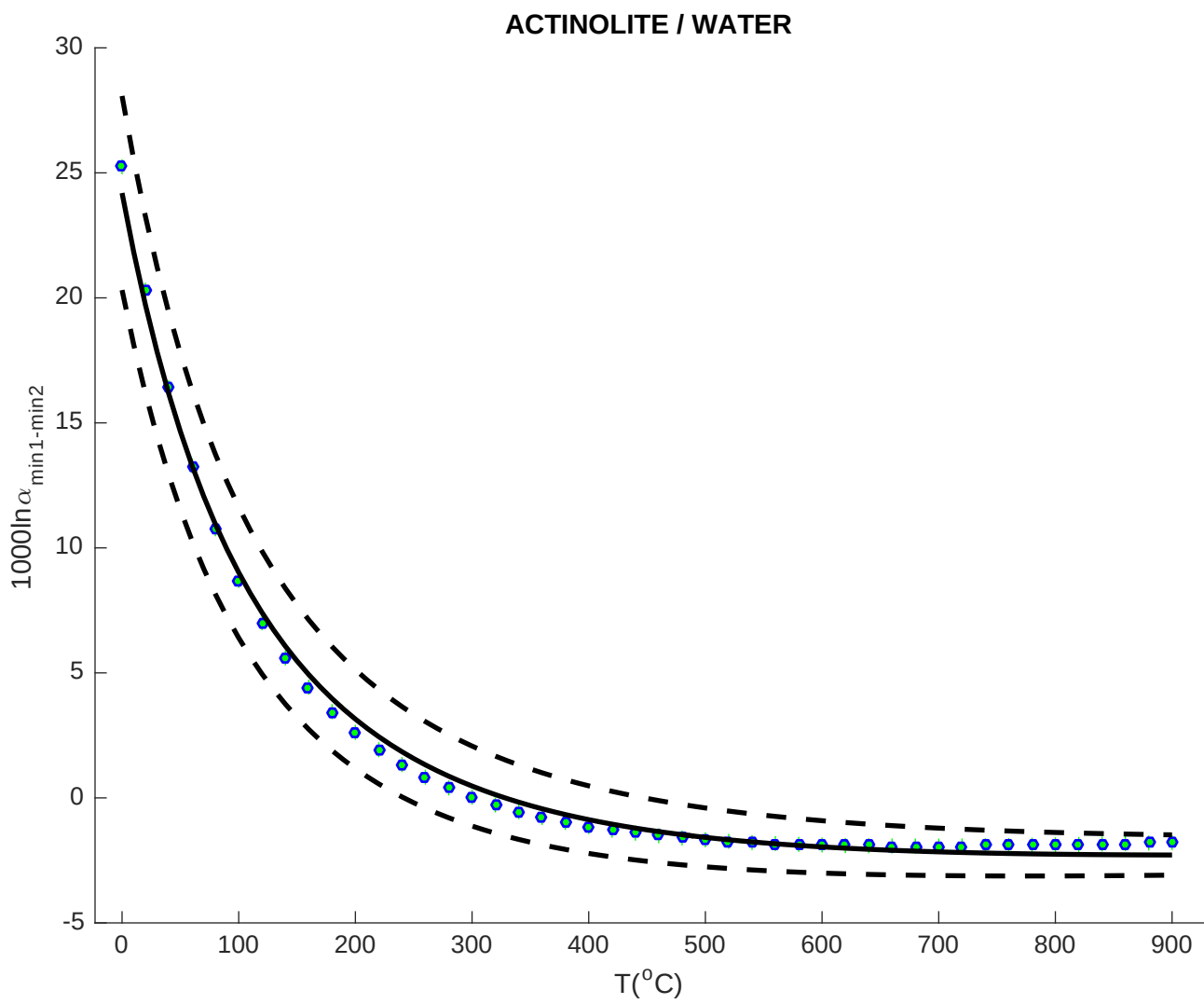




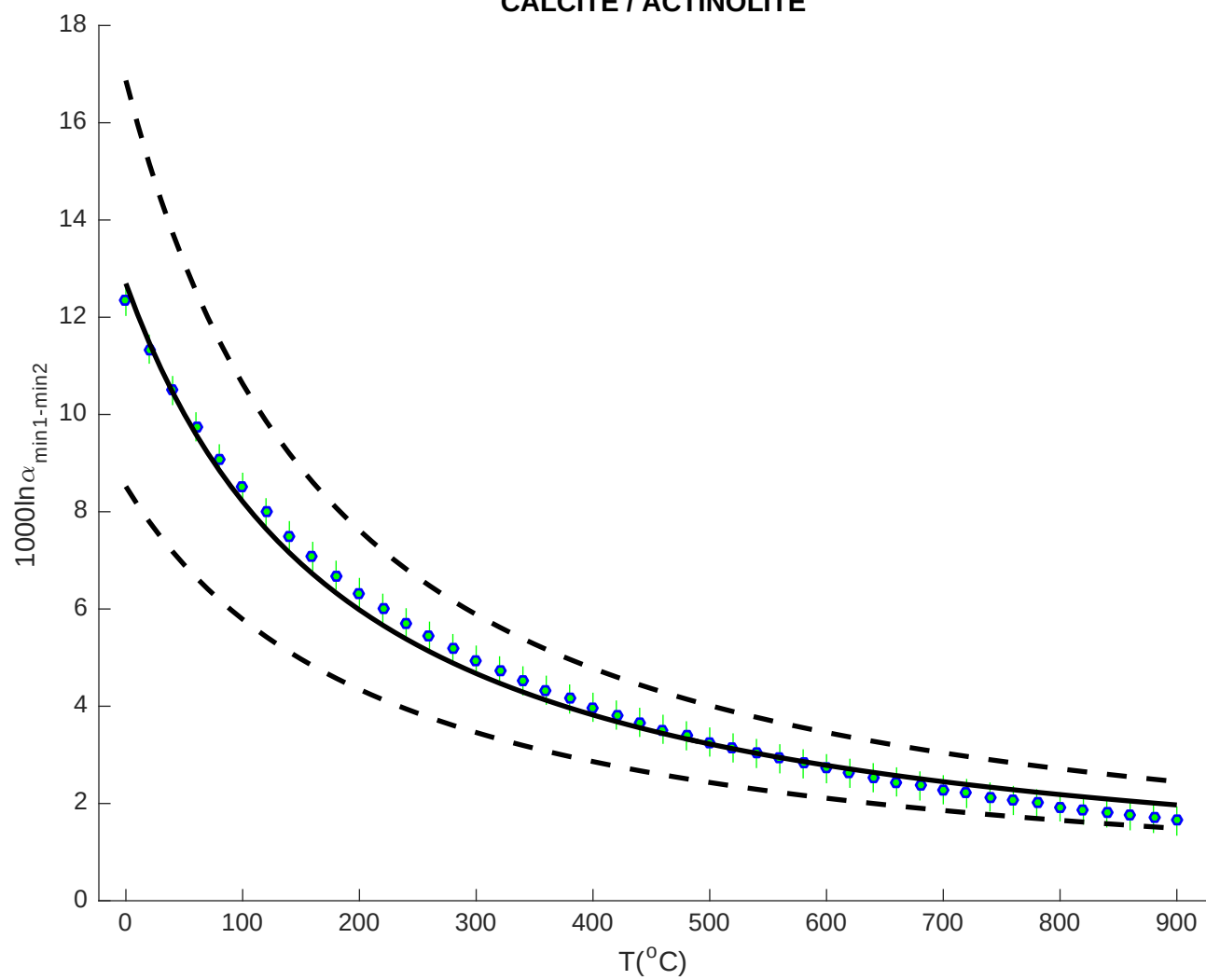


QUARTZ / ACTINOLITE

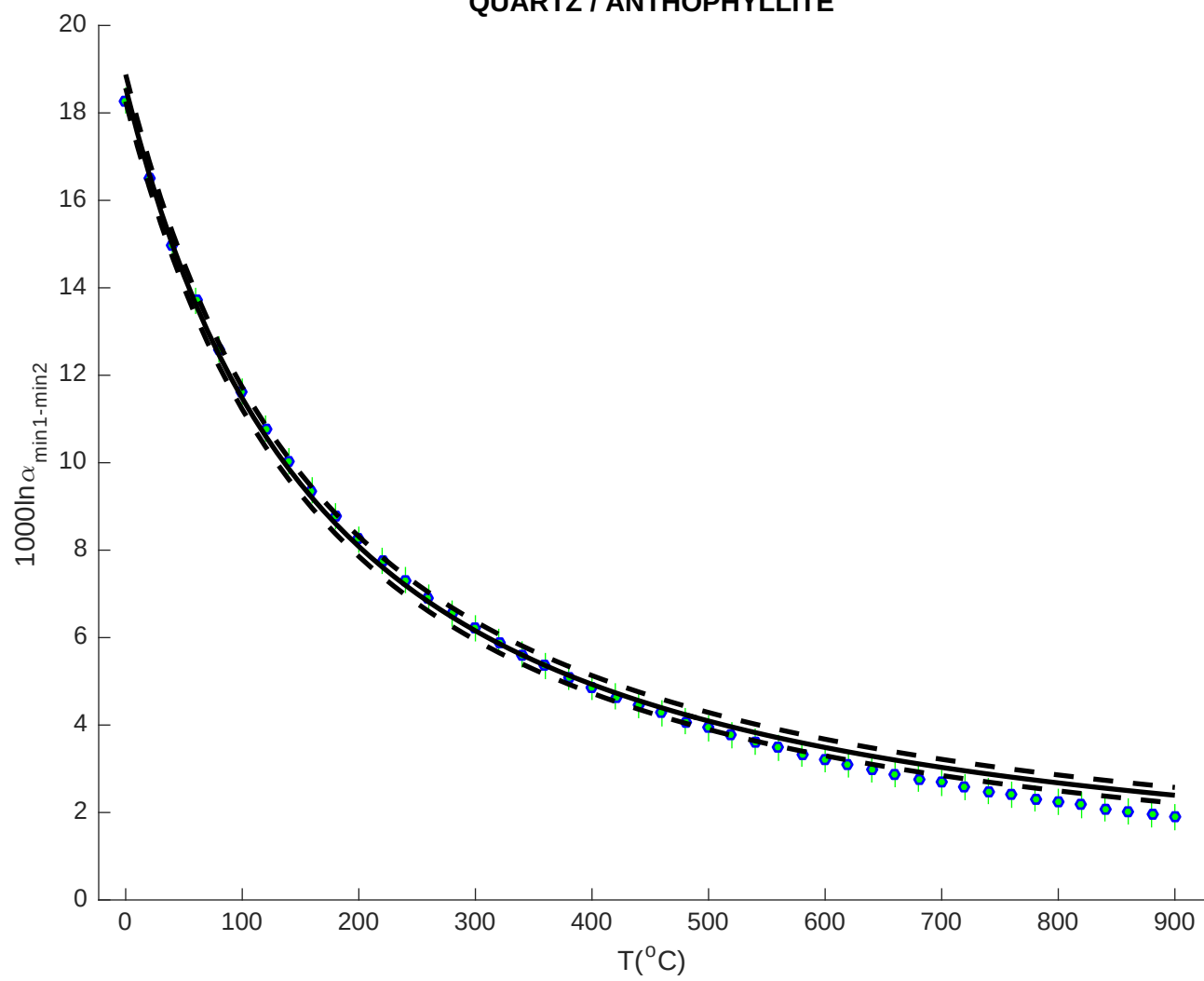




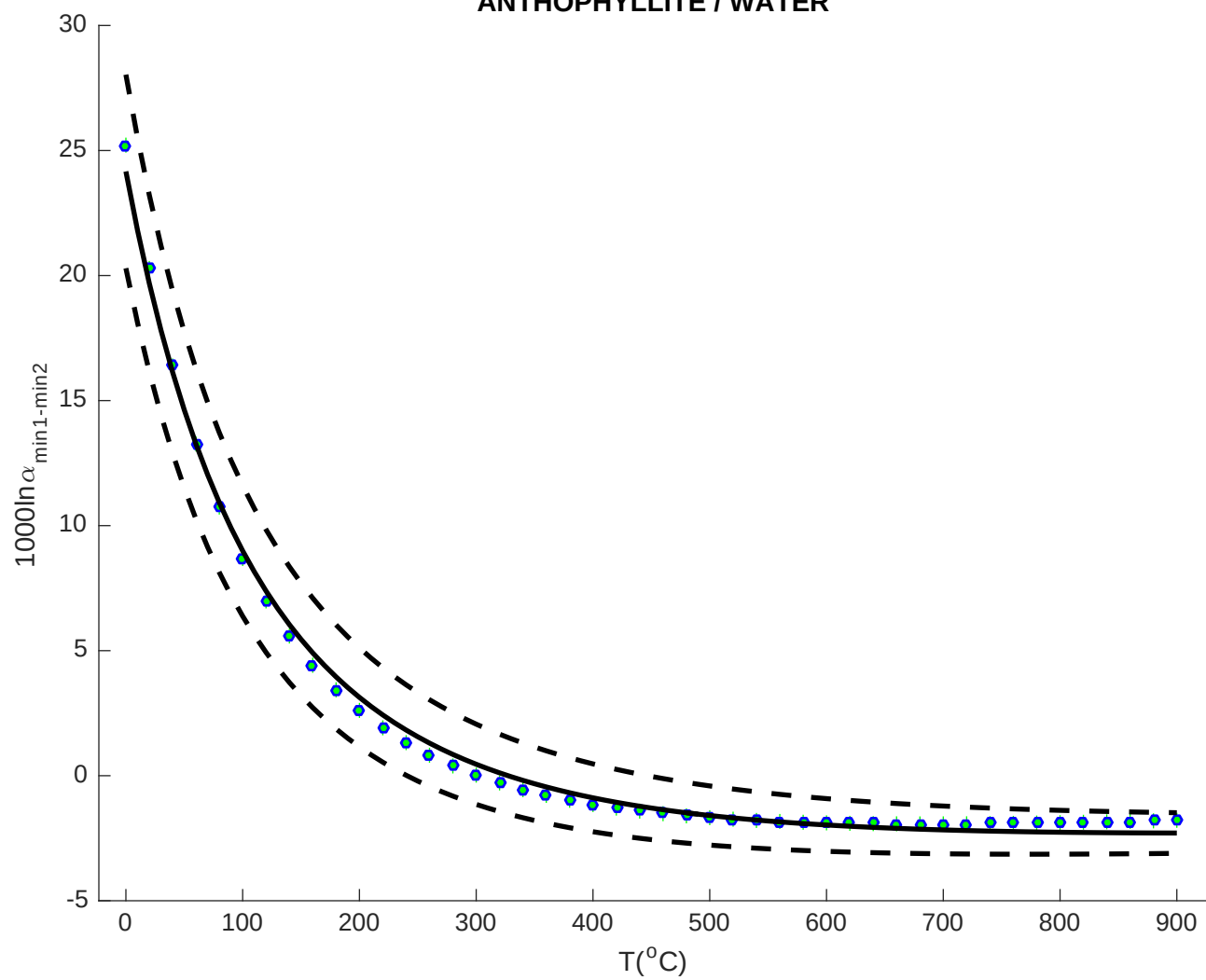
CALCITE / ACTINOLITE



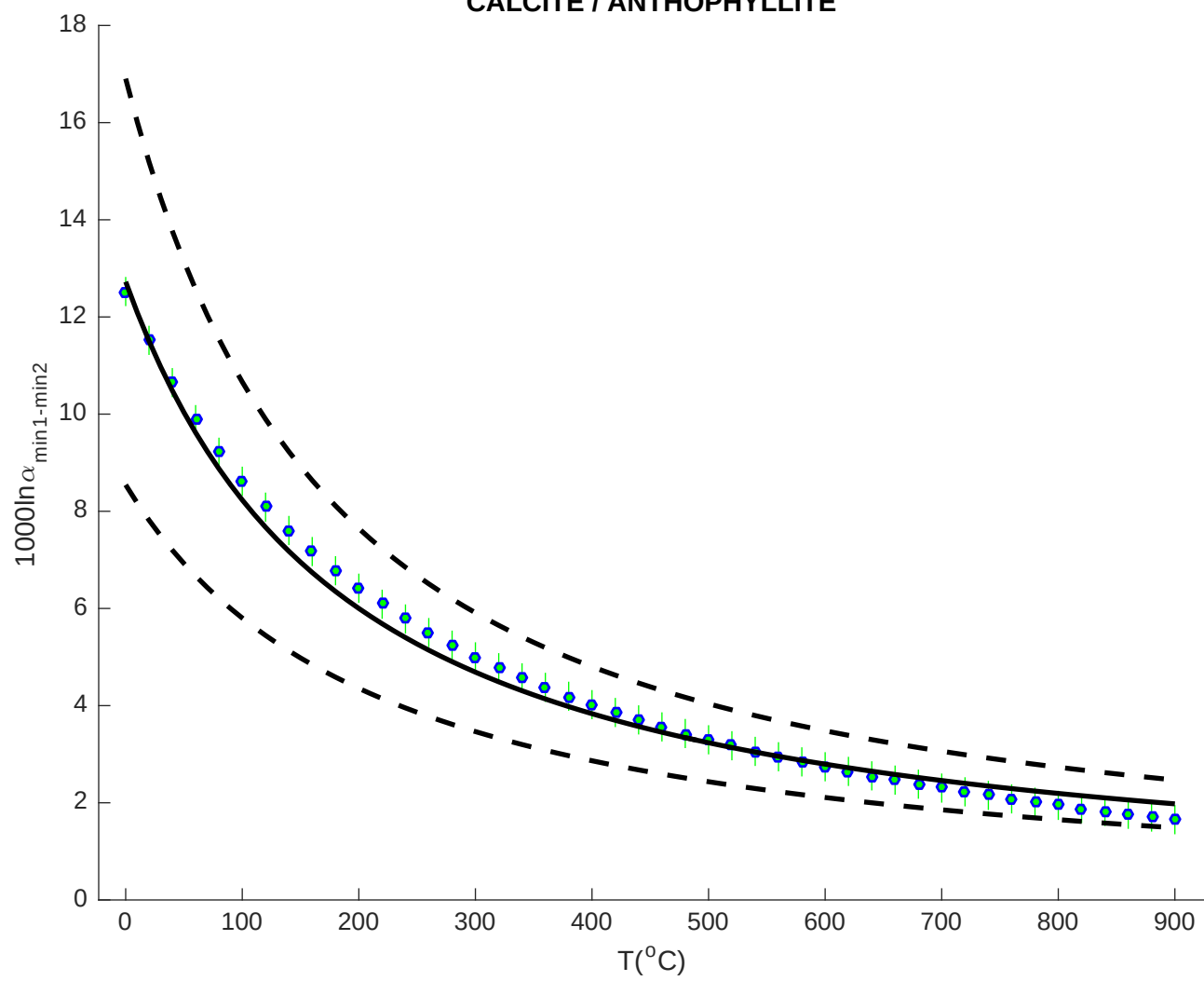
QUARTZ / ANTHOPHYLLITE



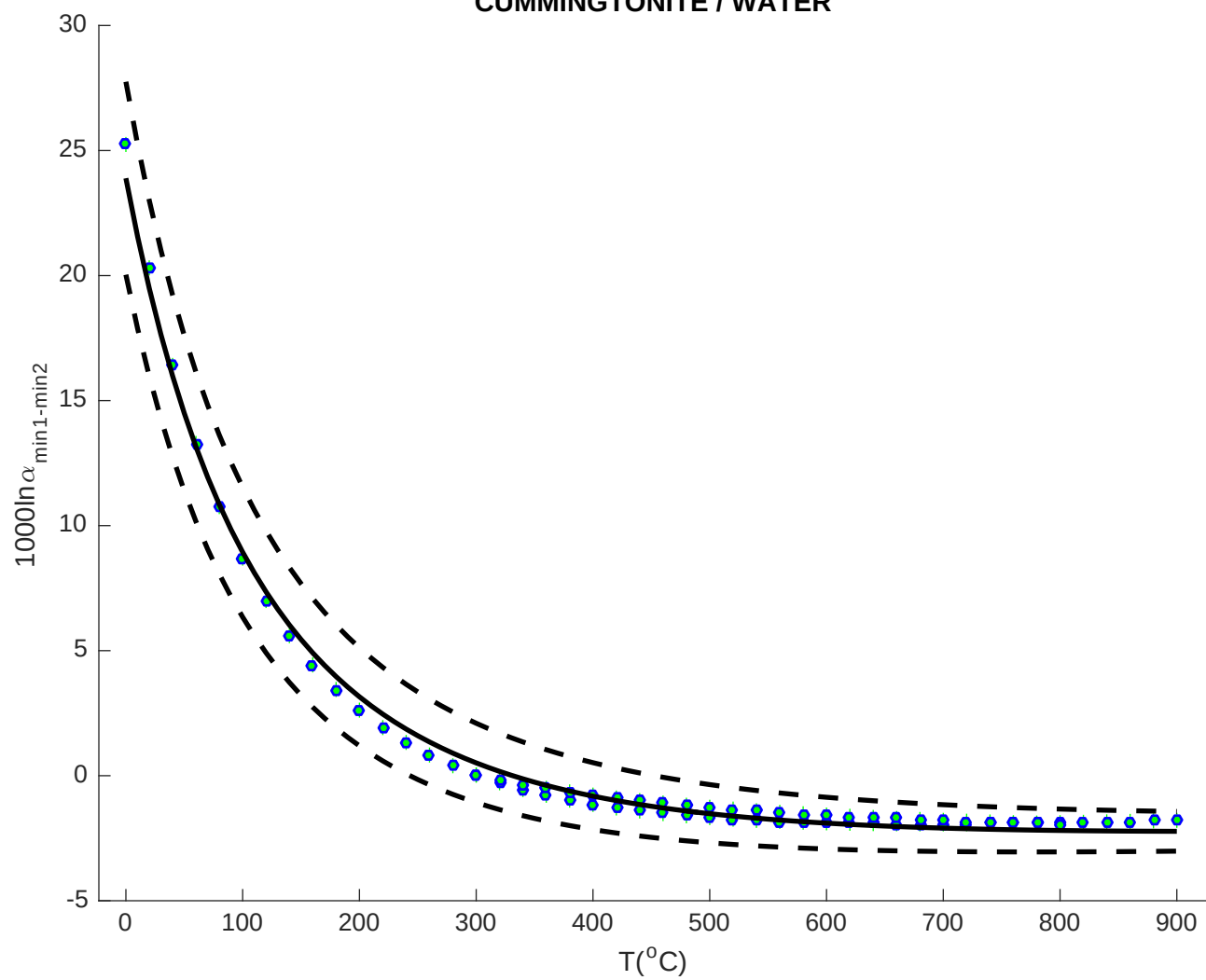
ANTHOPHYLLITE / WATER



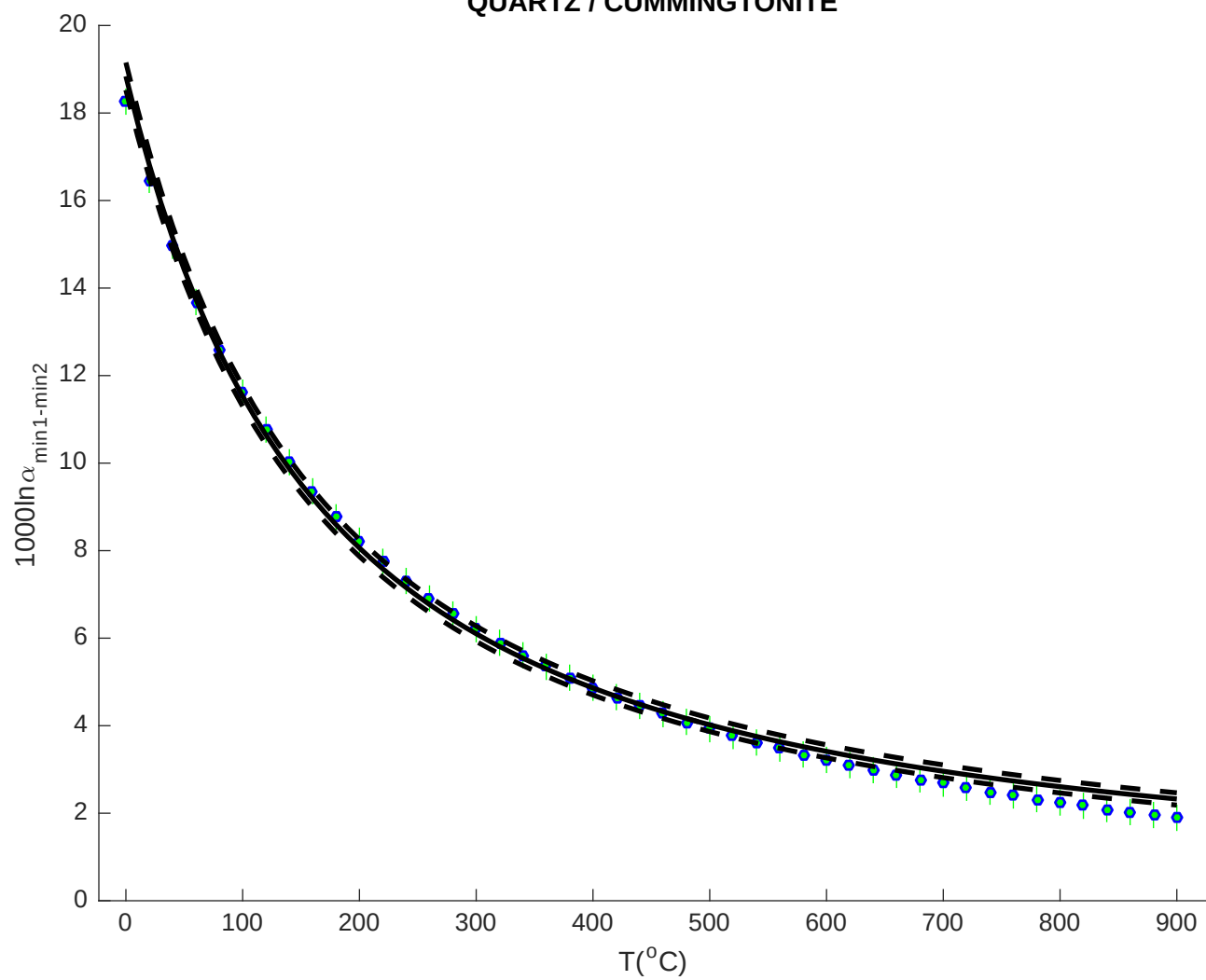
CALCITE / ANTHOPHYLLITE



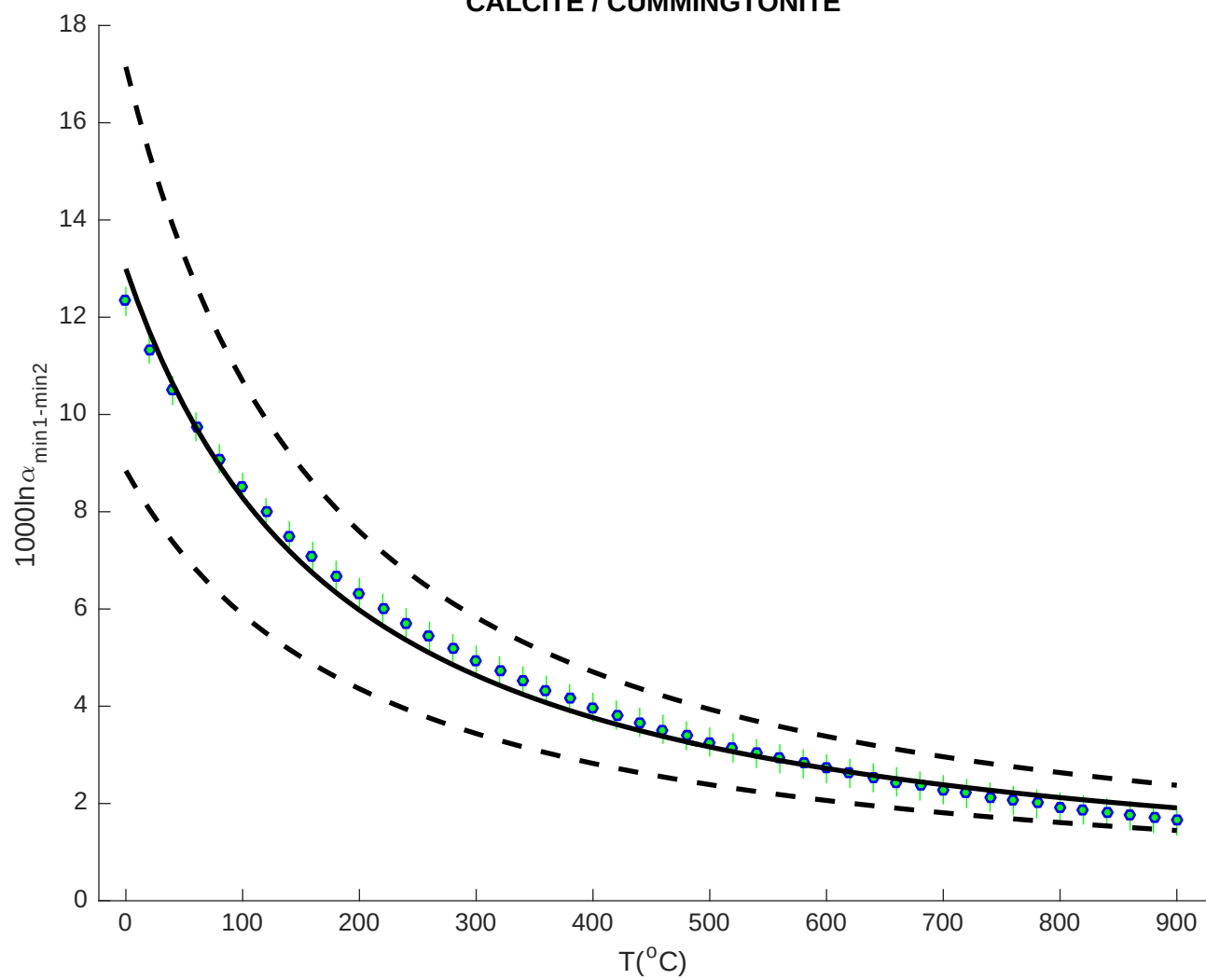
CUMMINGTONITE / WATER

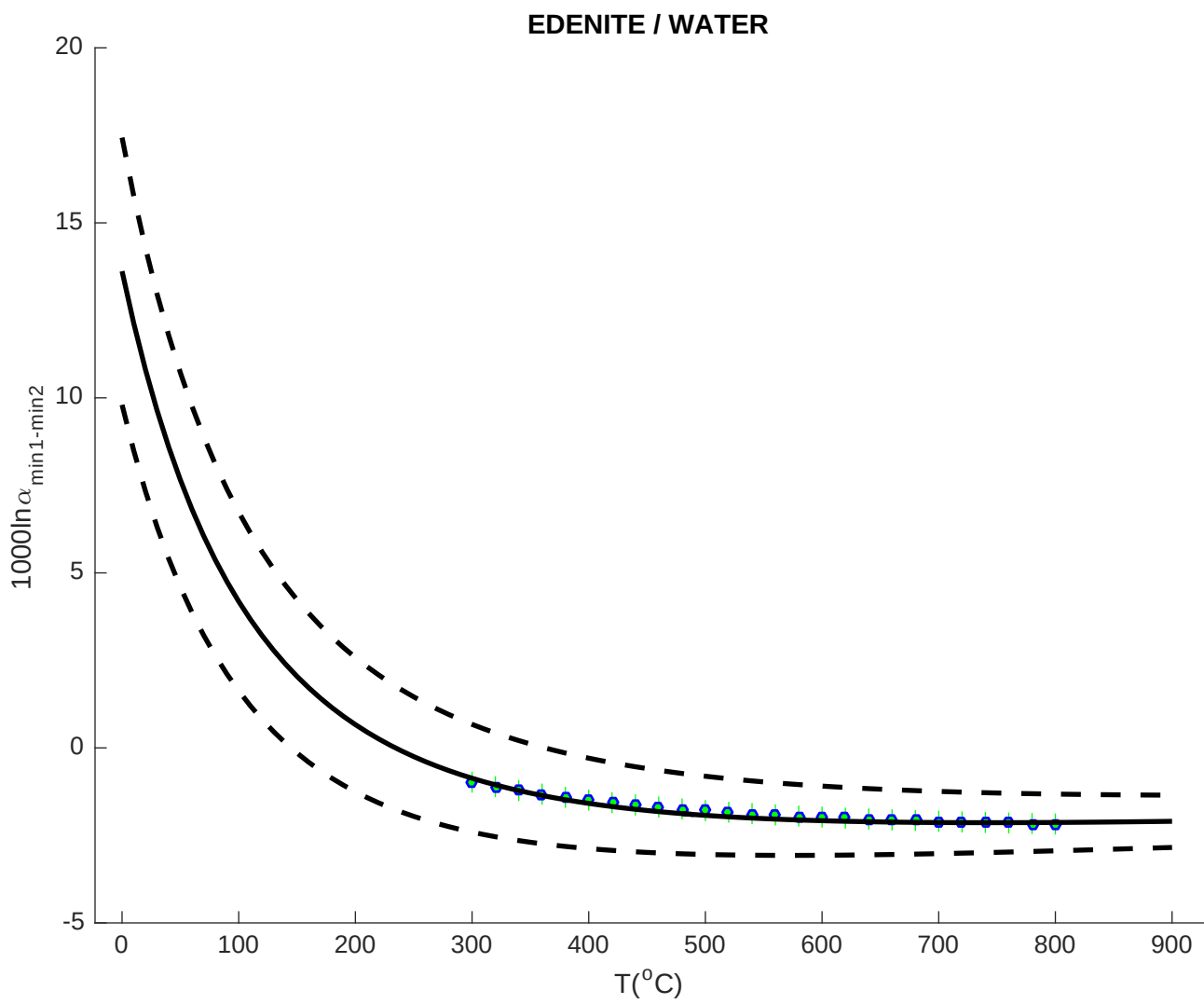


QUARTZ / CUMMINGTONITE

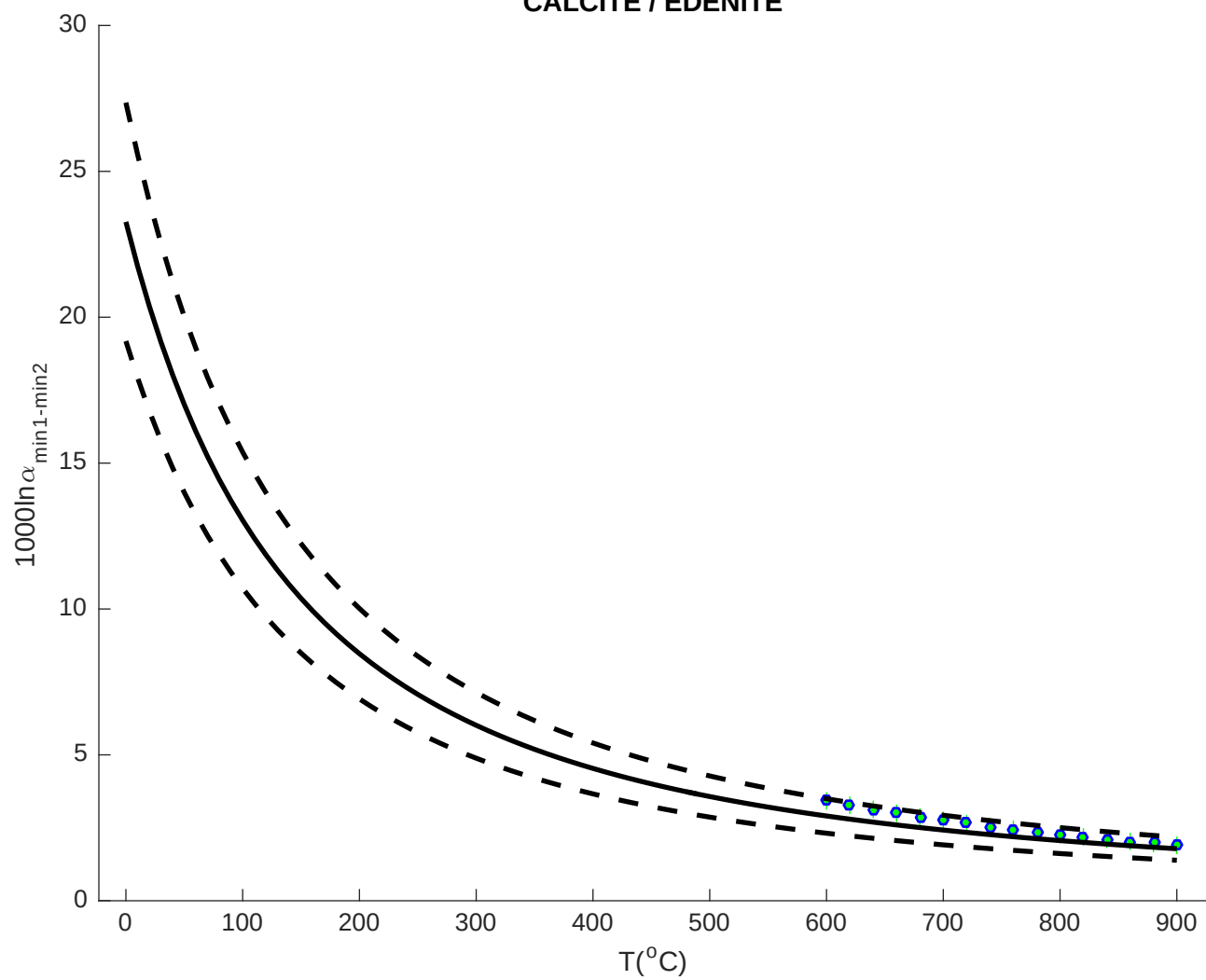


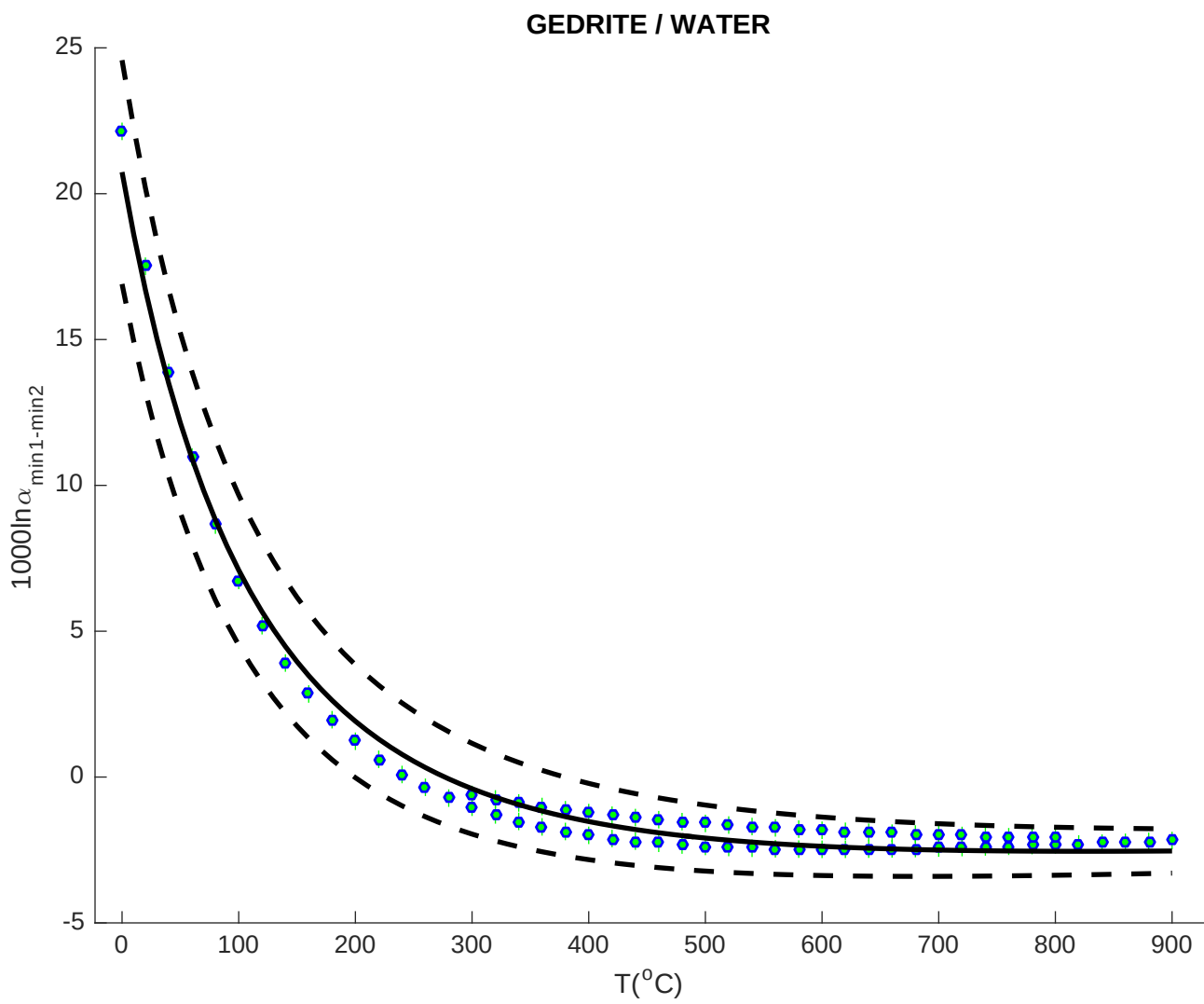
CALCITE / CUMMINGTONITE

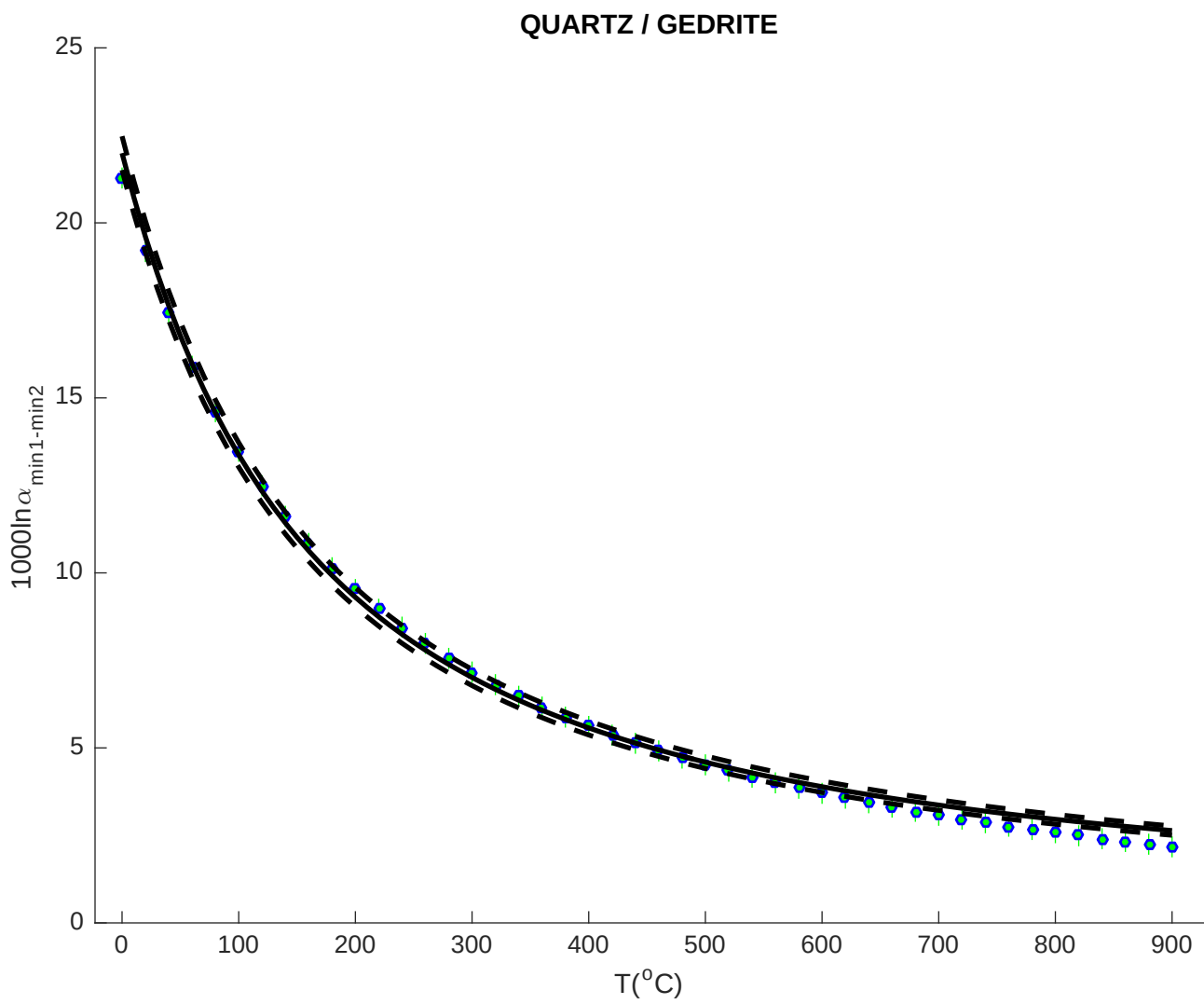


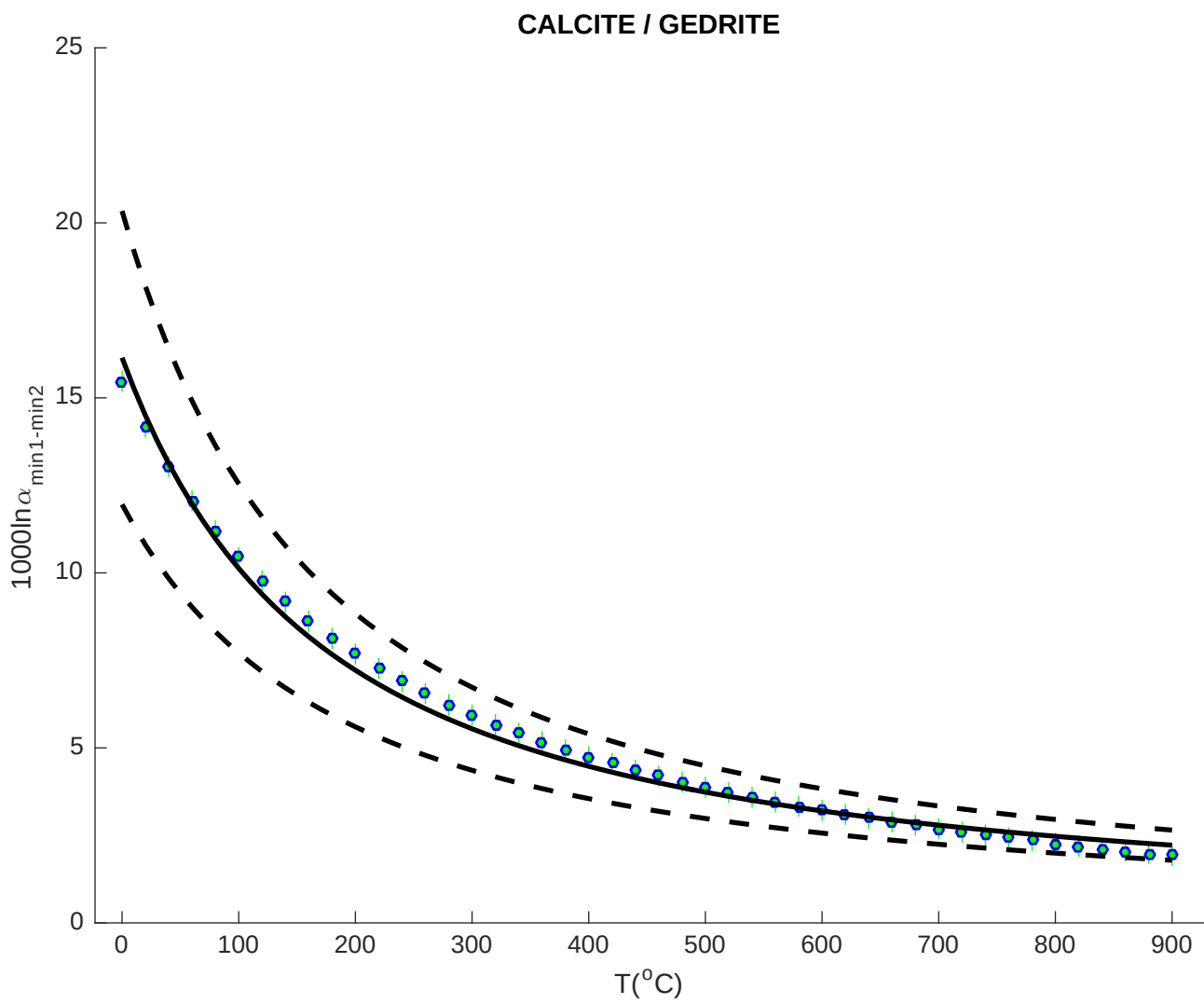


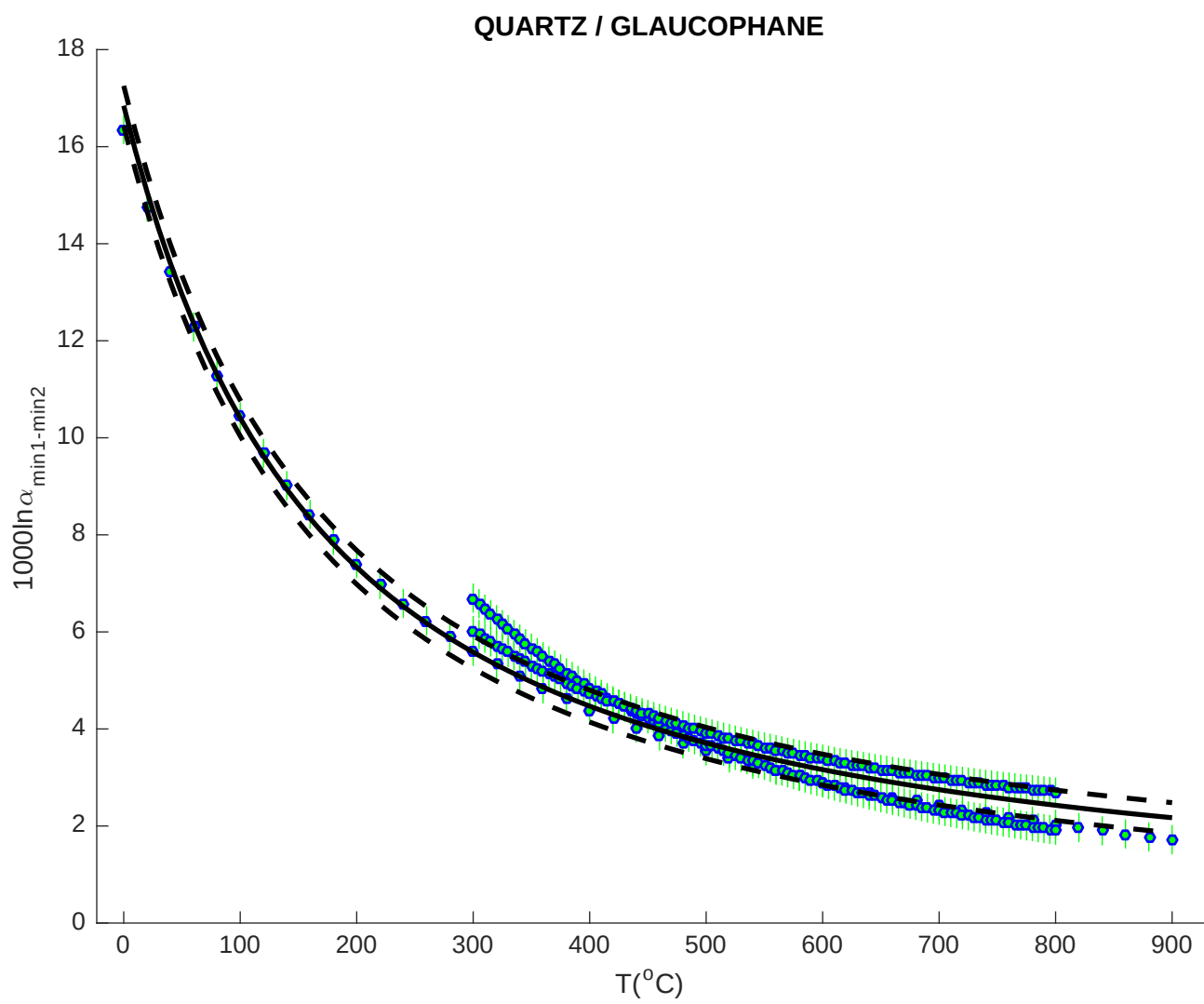
CALCITE / EDENITE

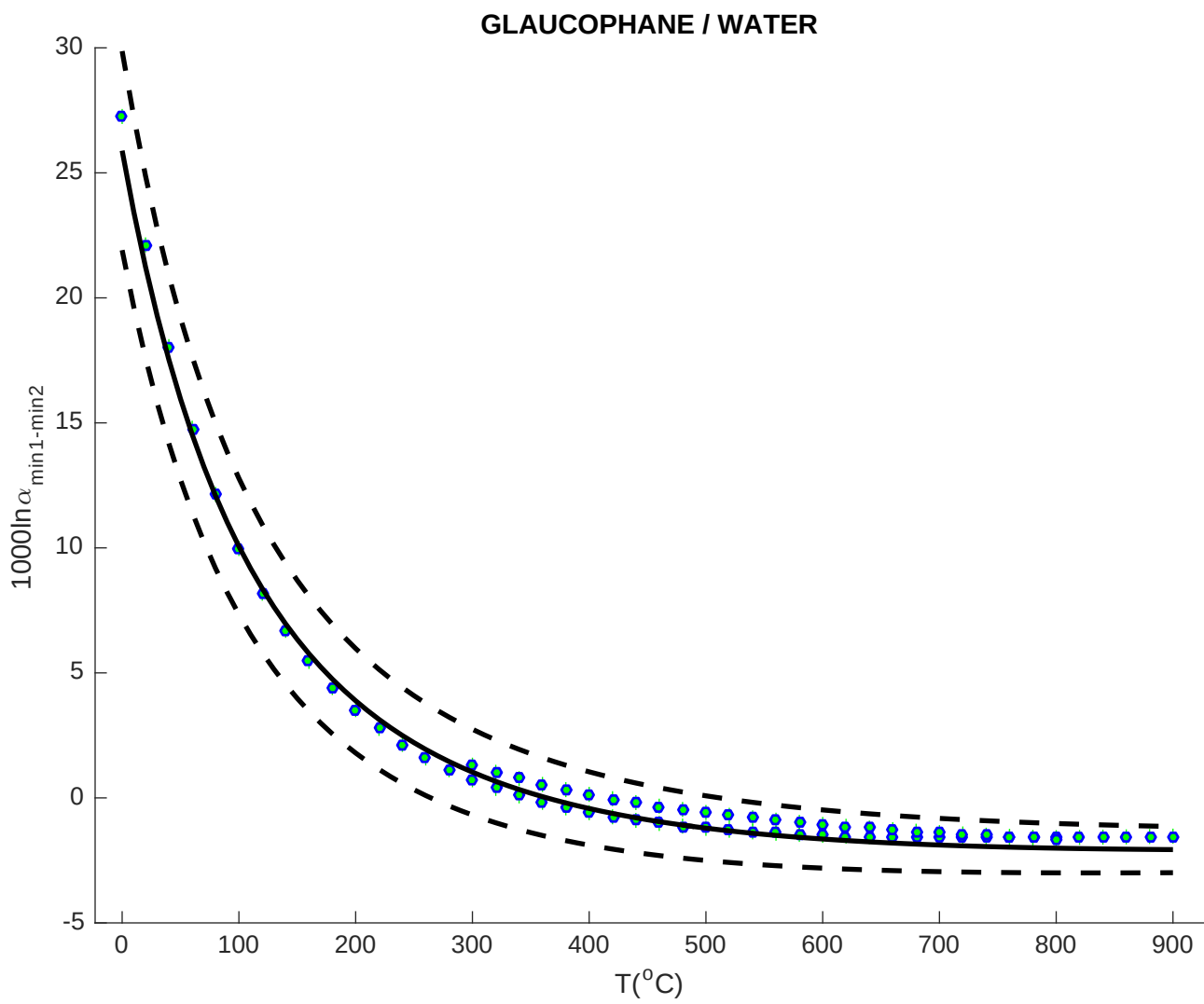




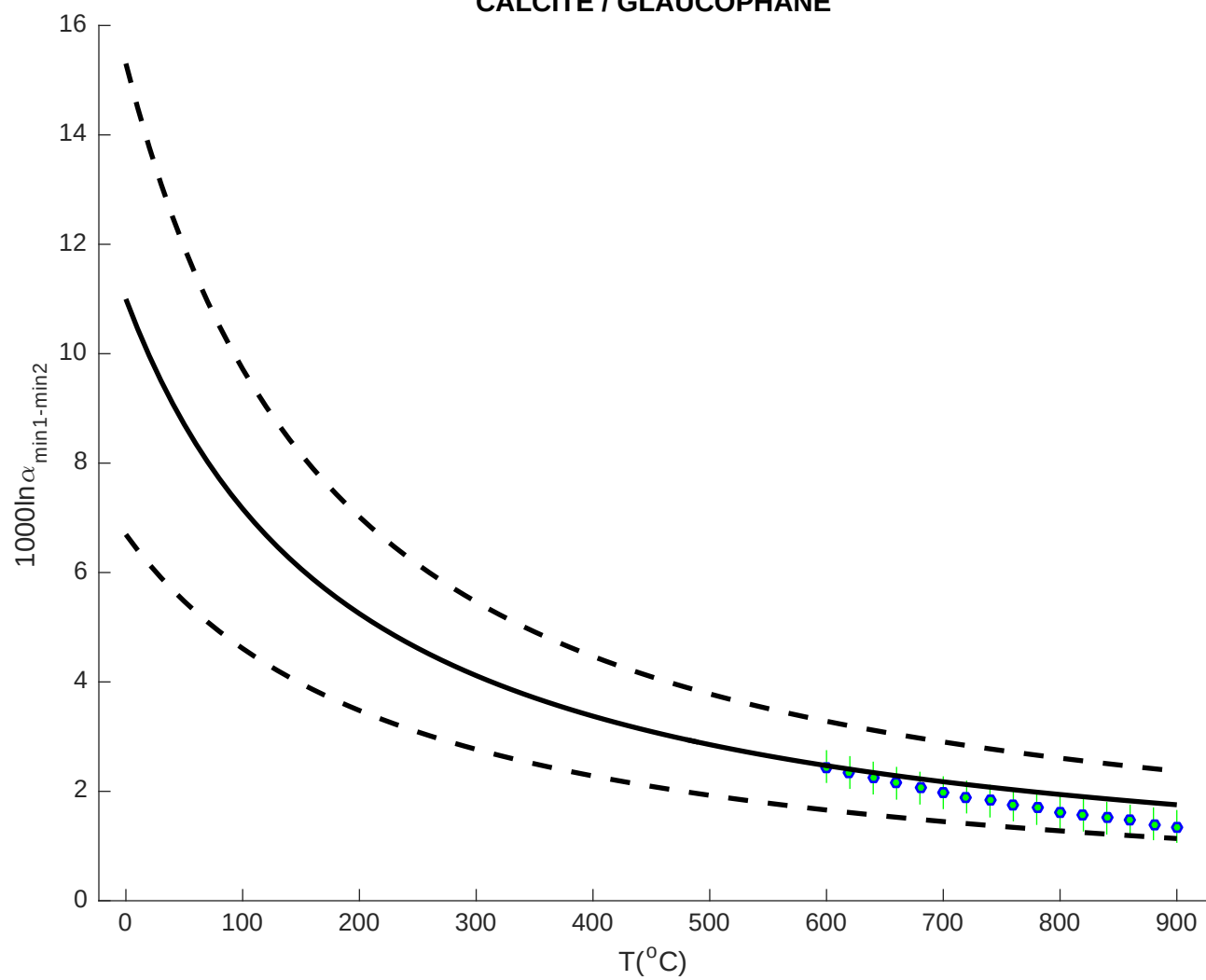


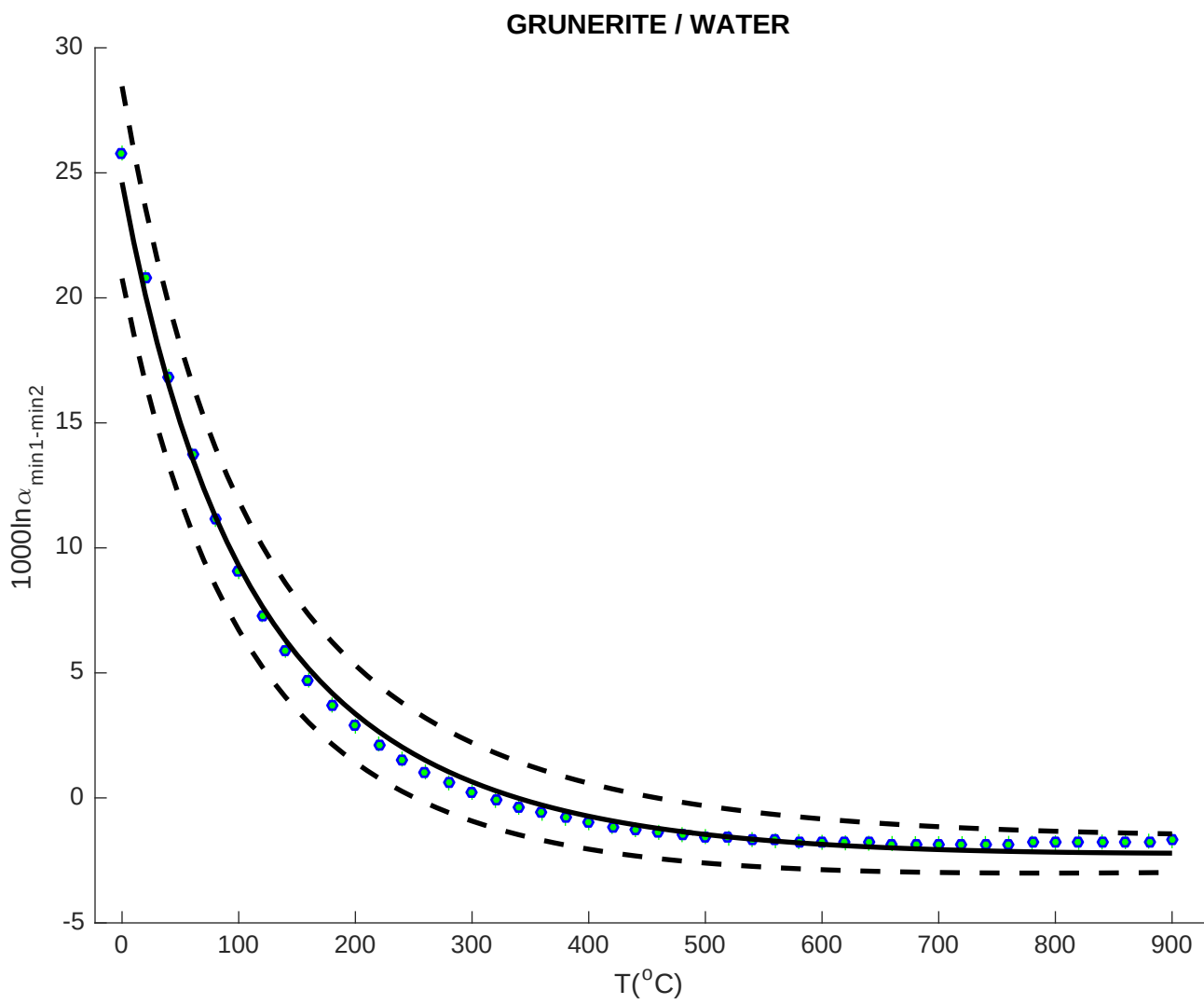


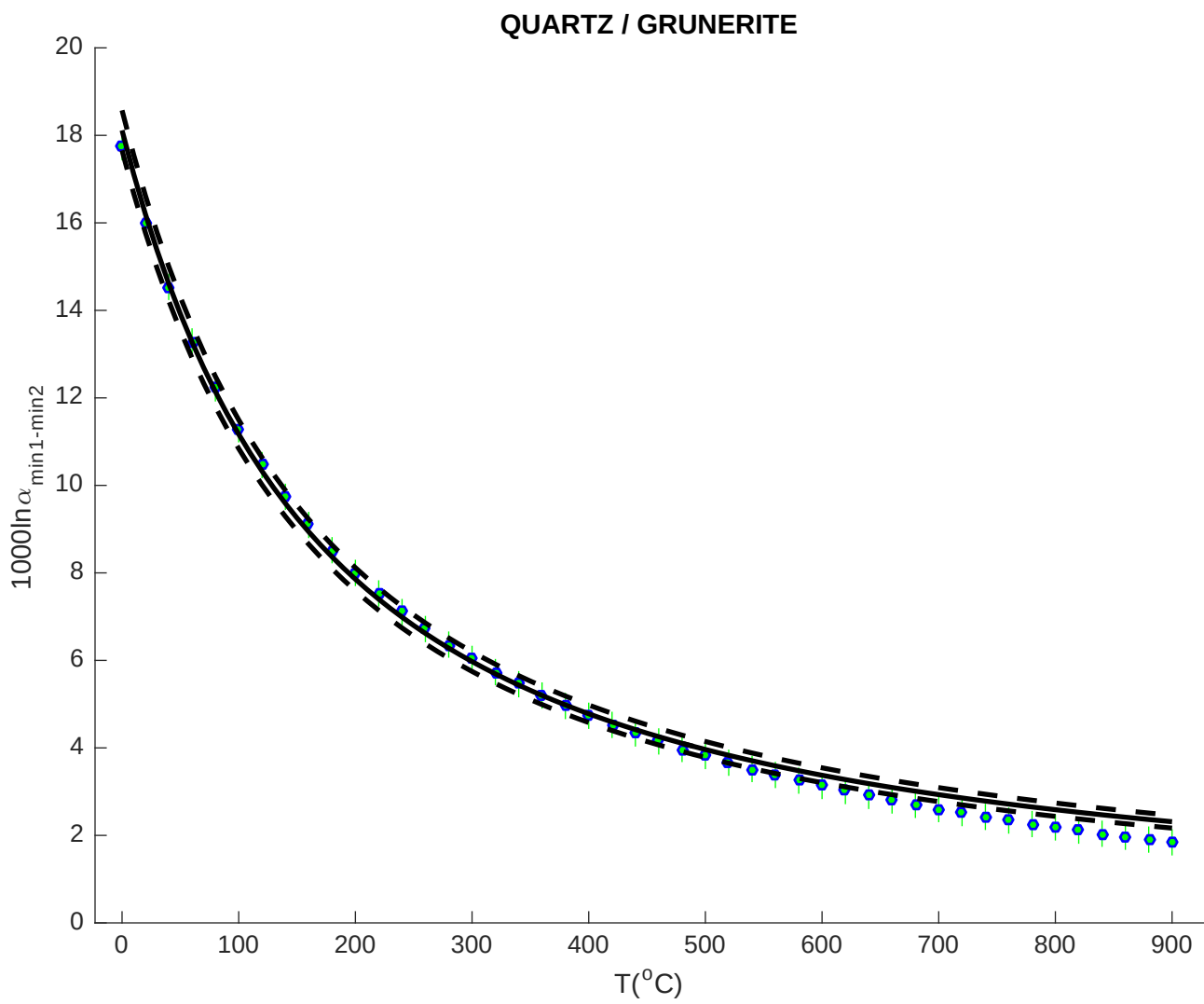




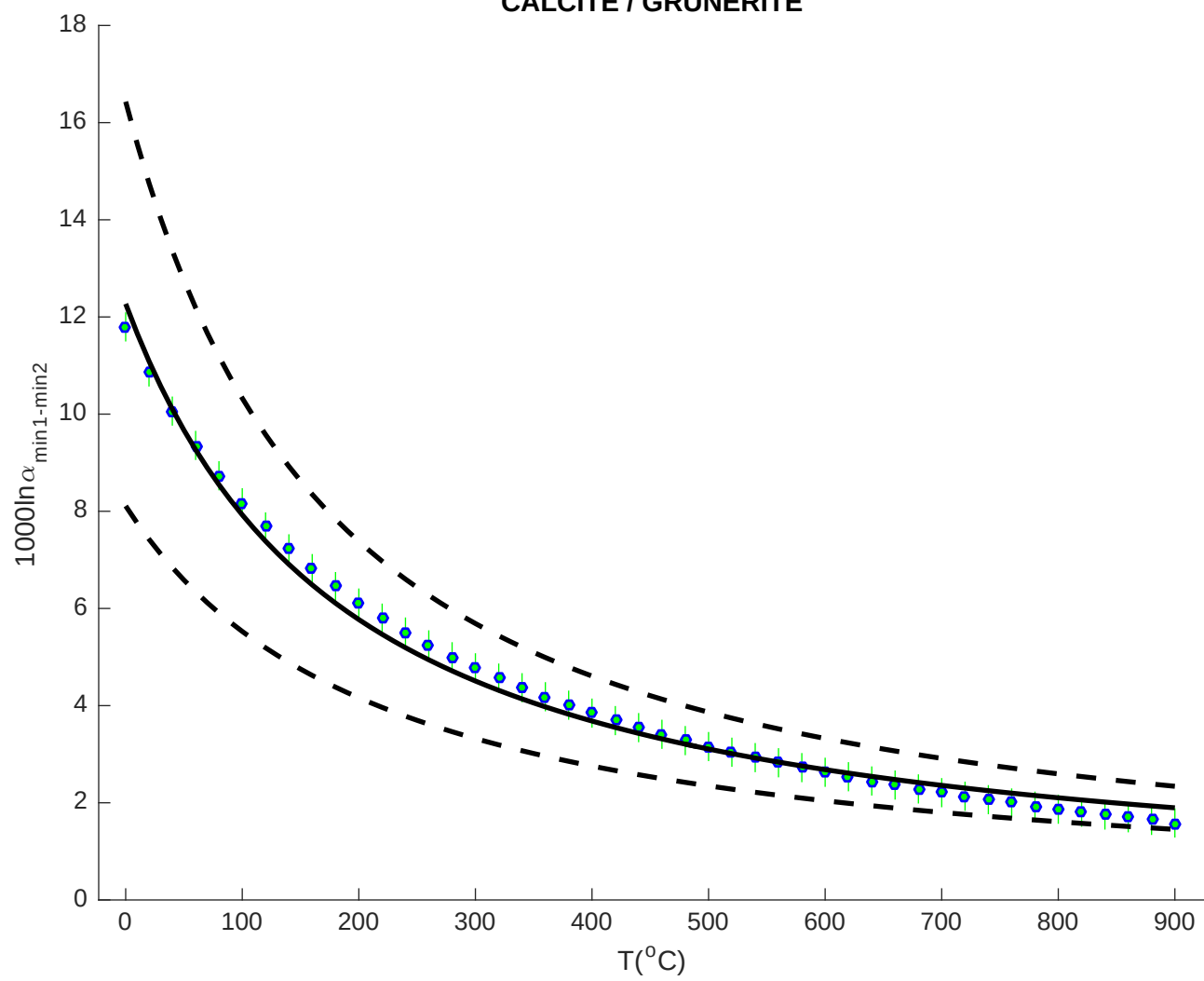
CALCITE / GLAUCOPHANE



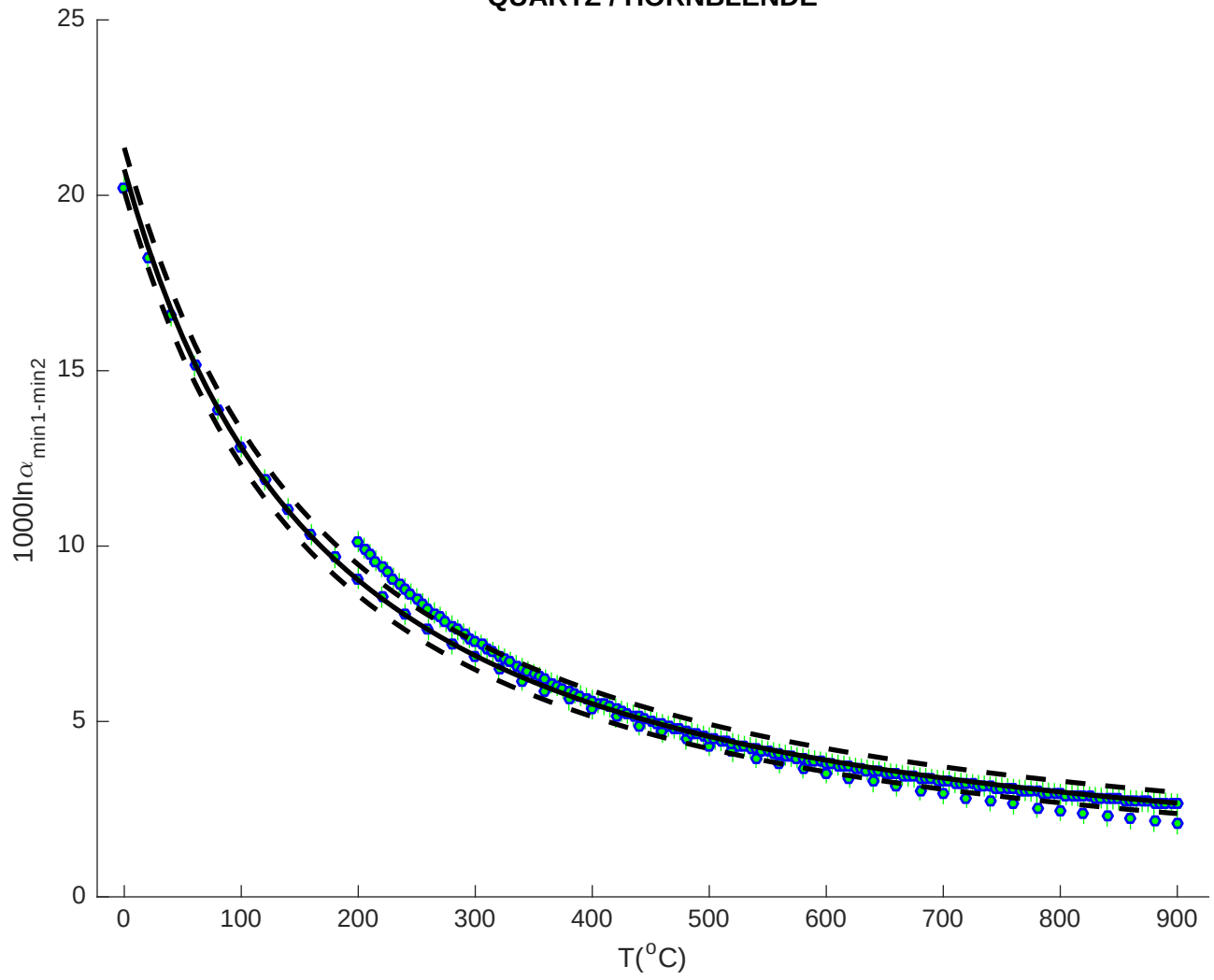


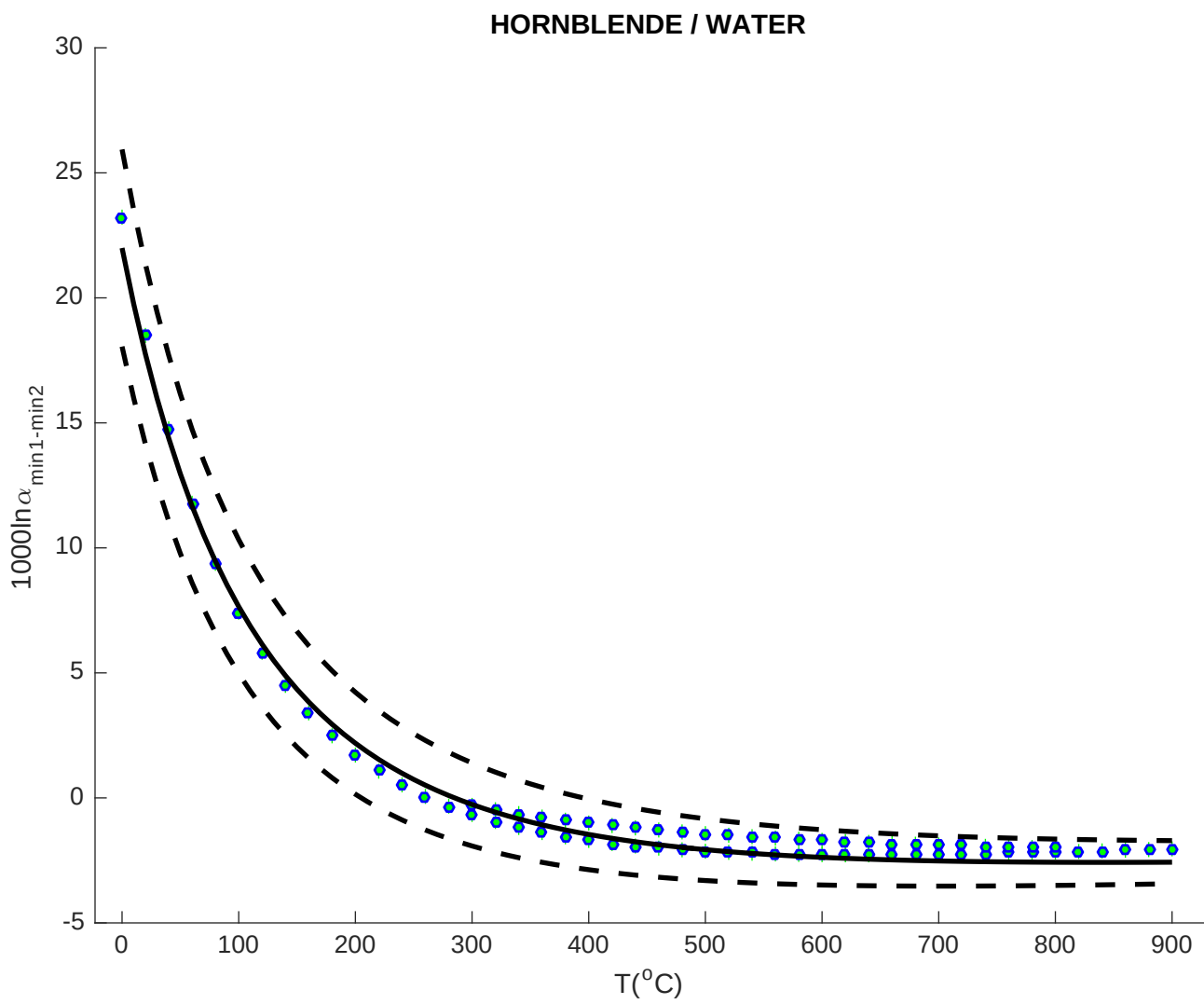


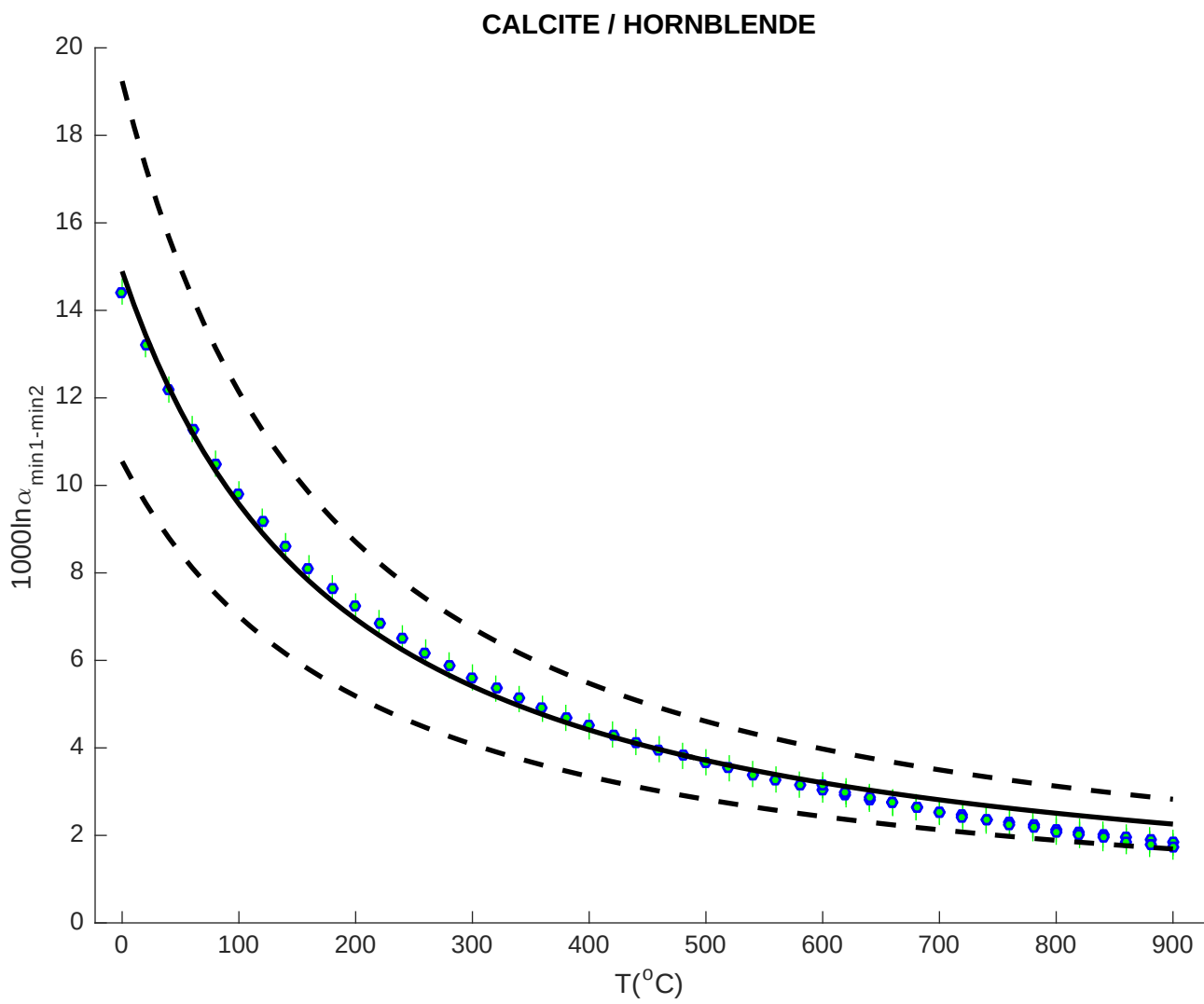
CALCITE / GRUNERITE

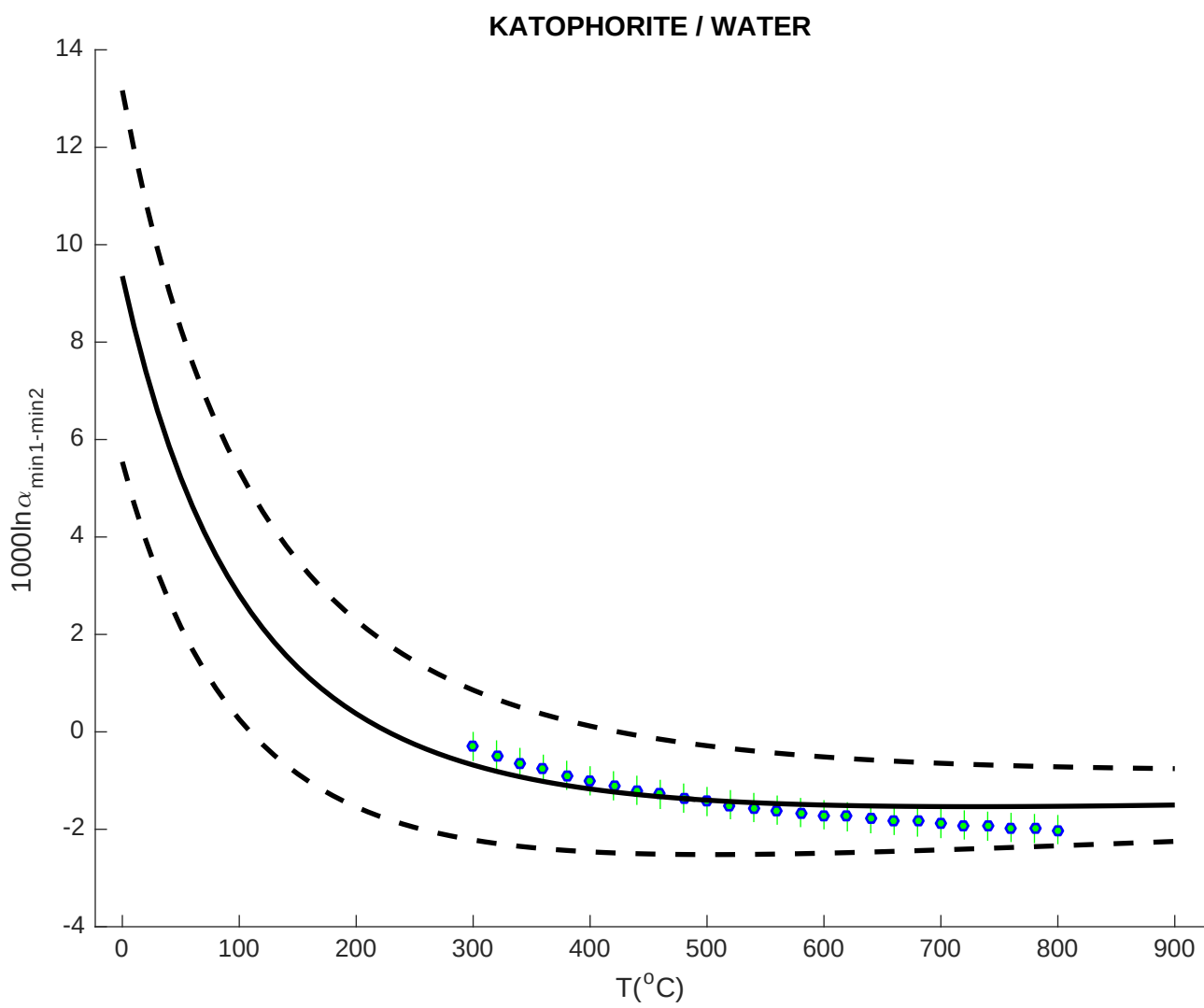


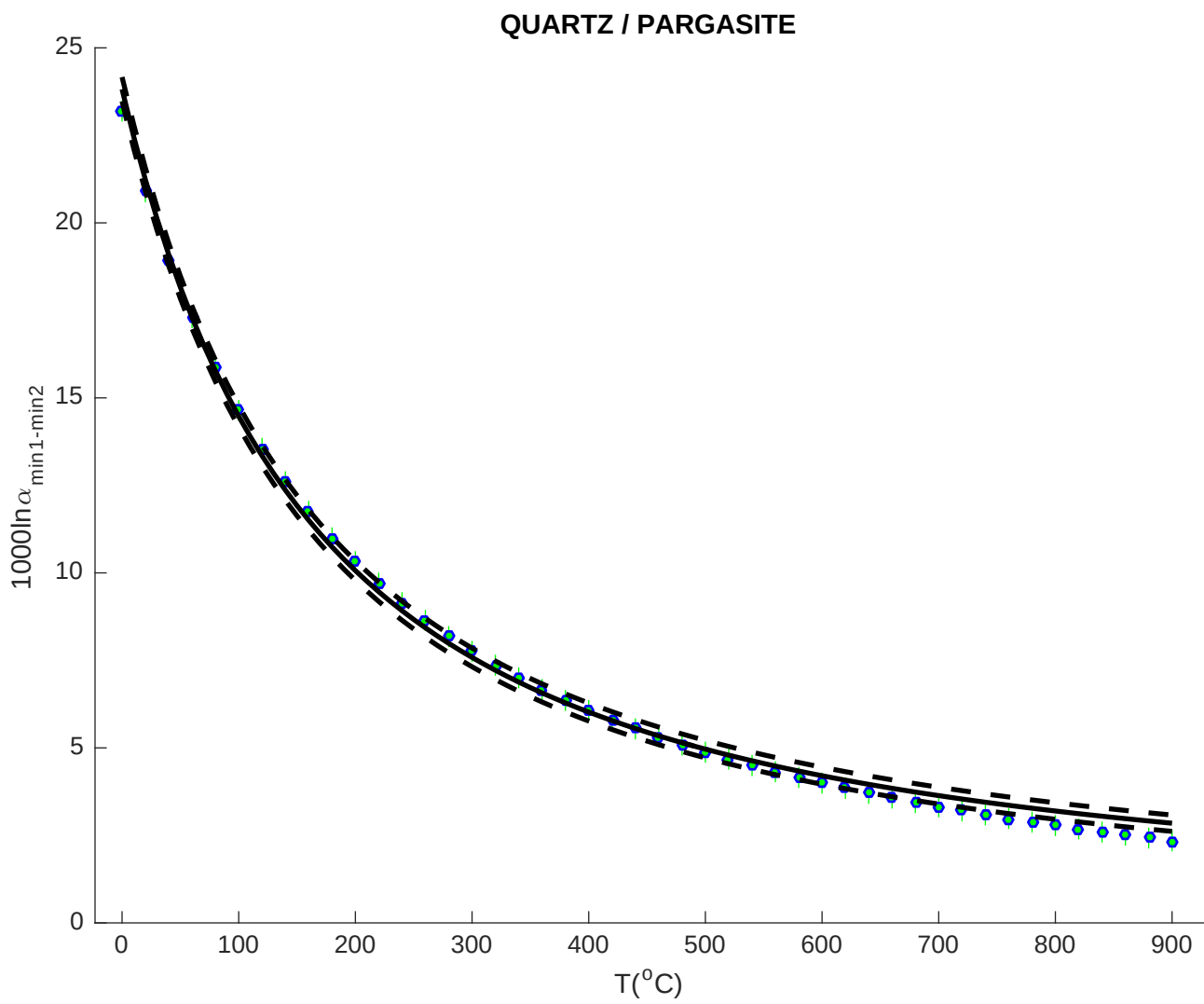
QUARTZ / HORNBLENDE

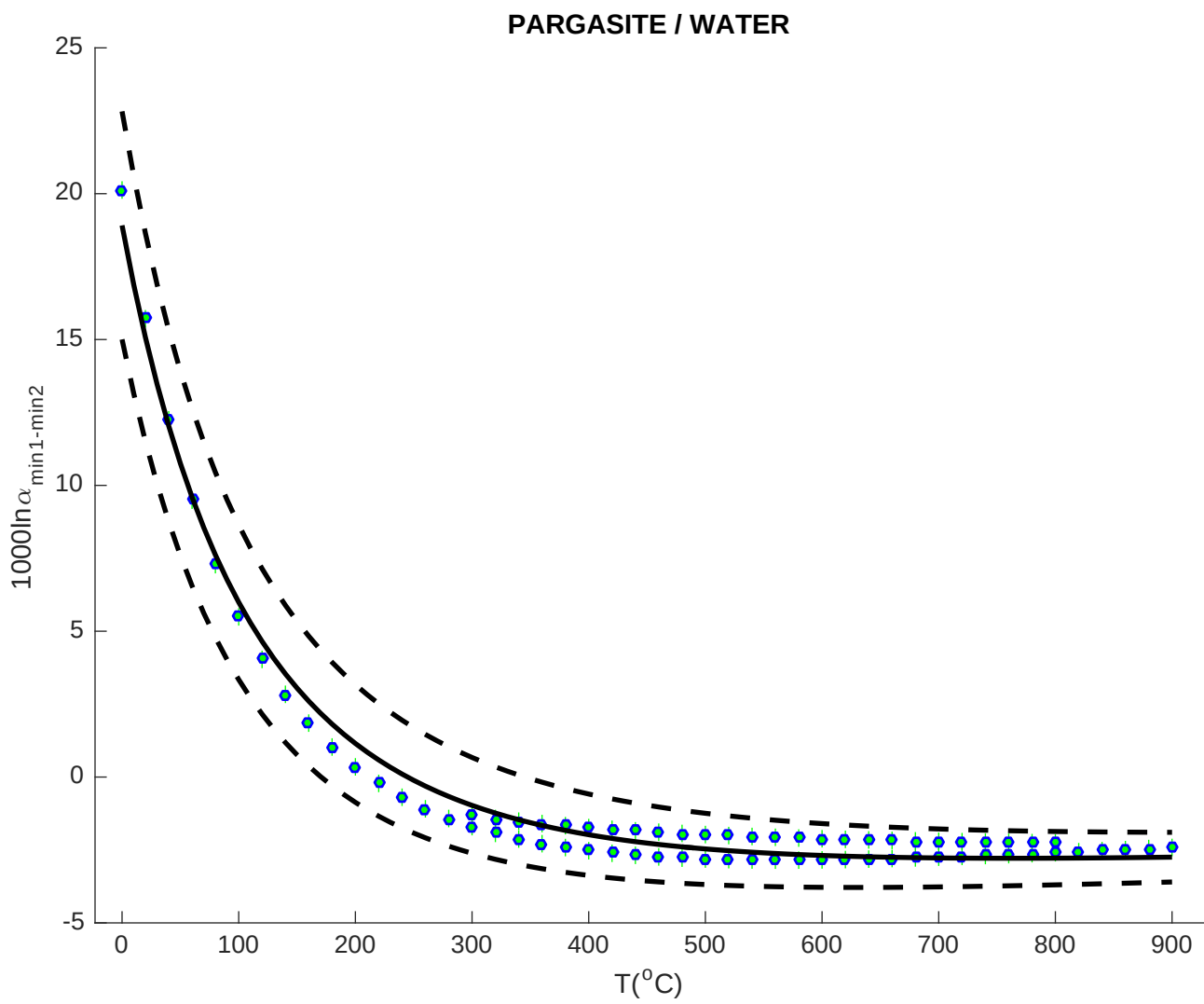


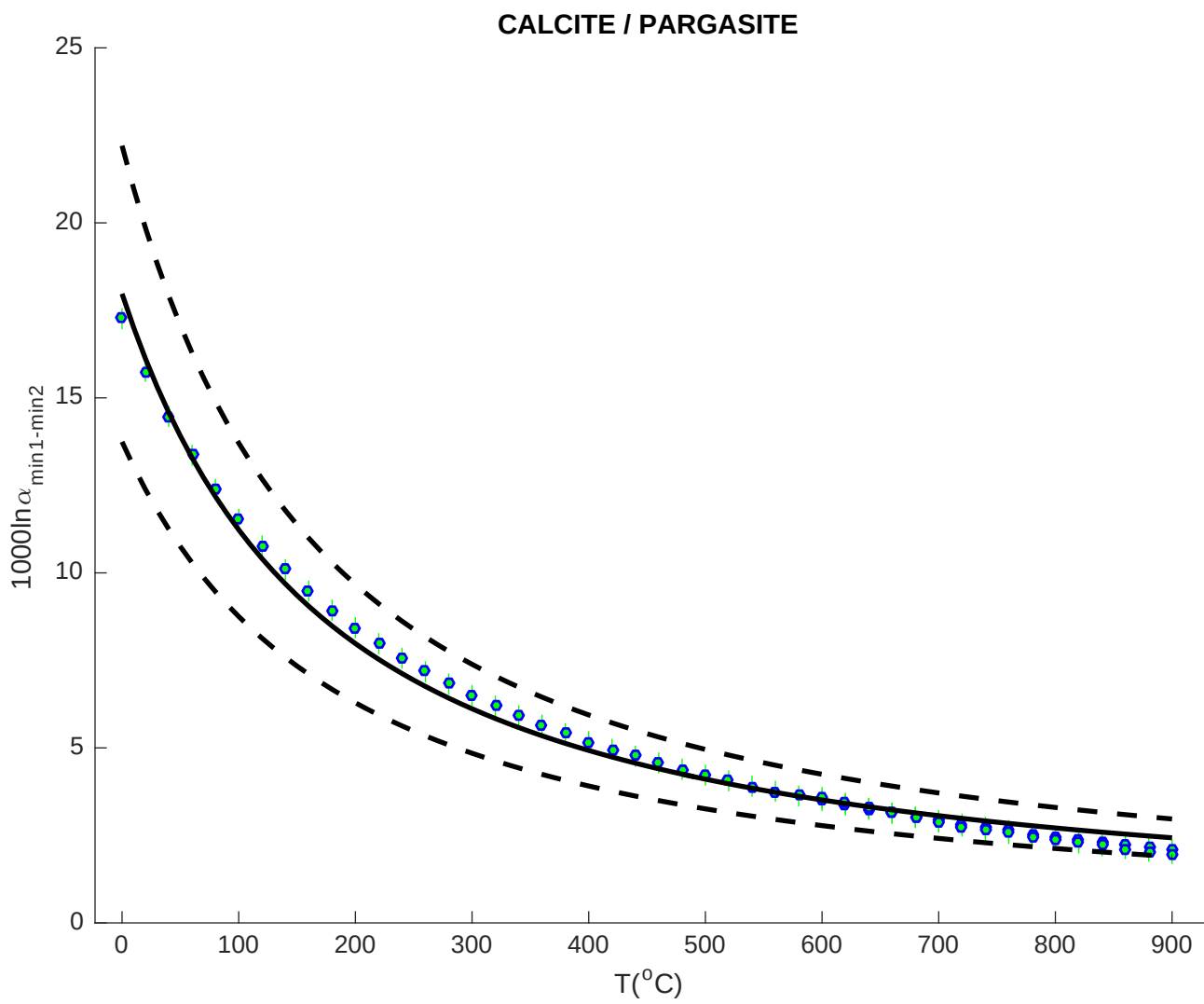




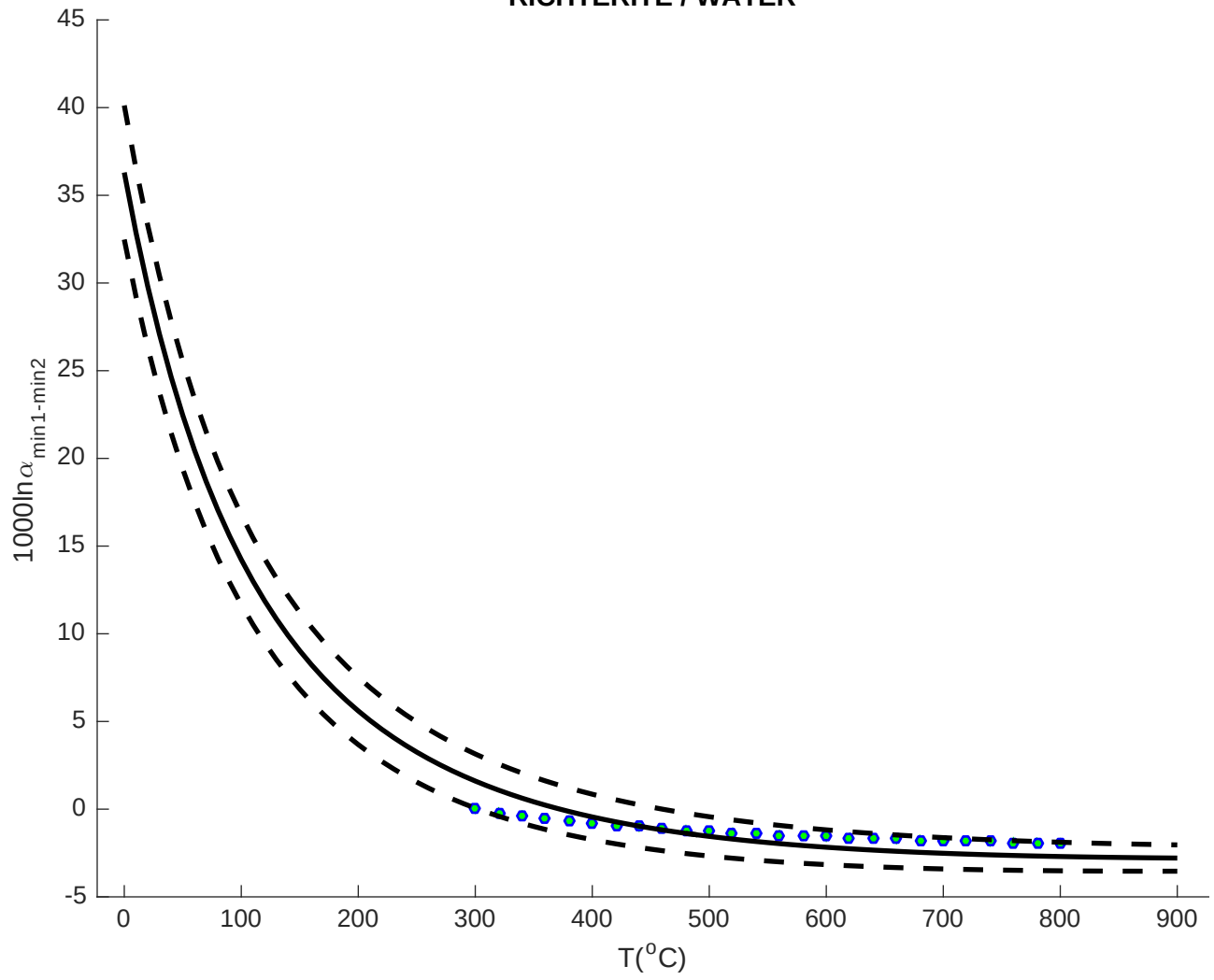


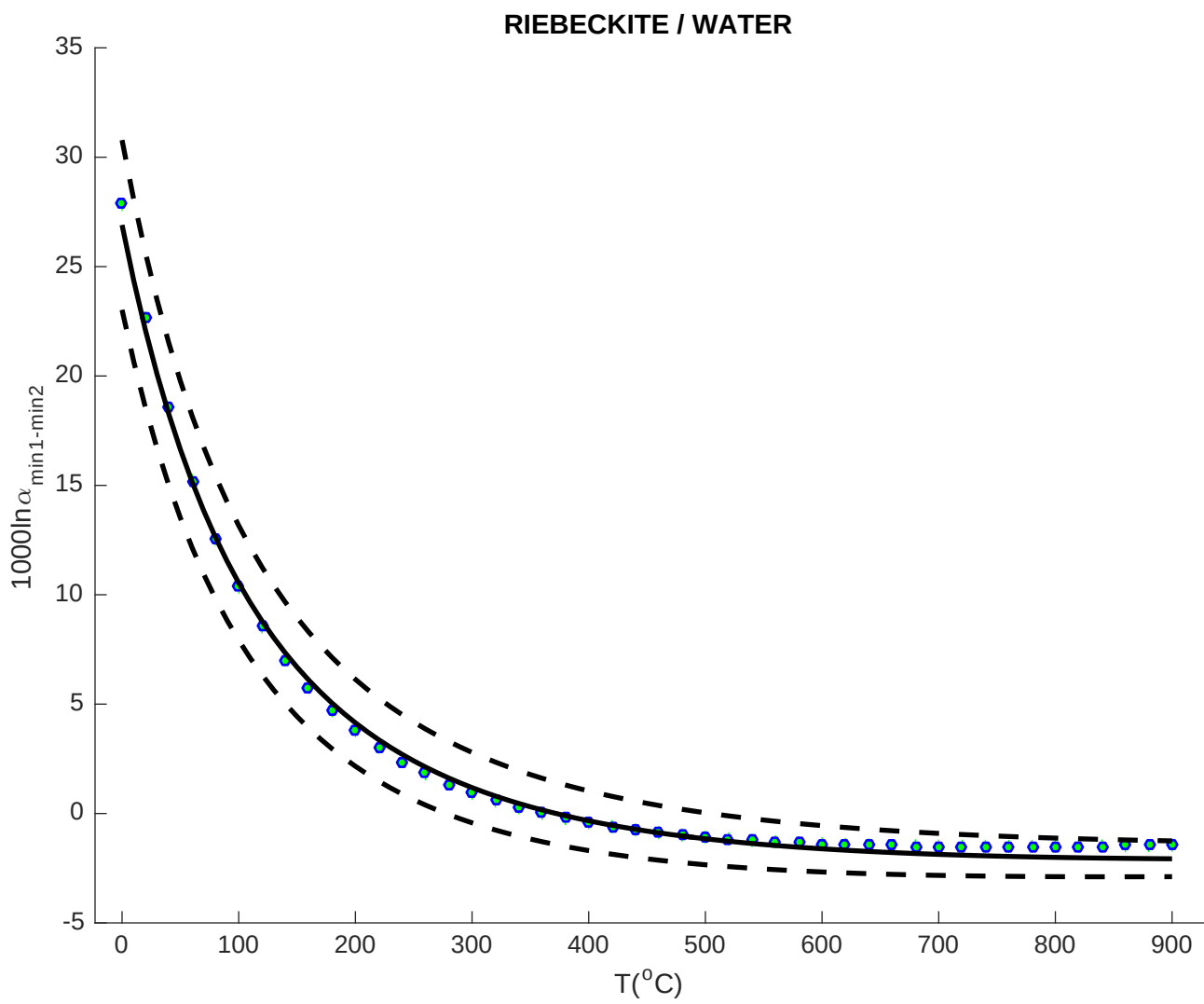




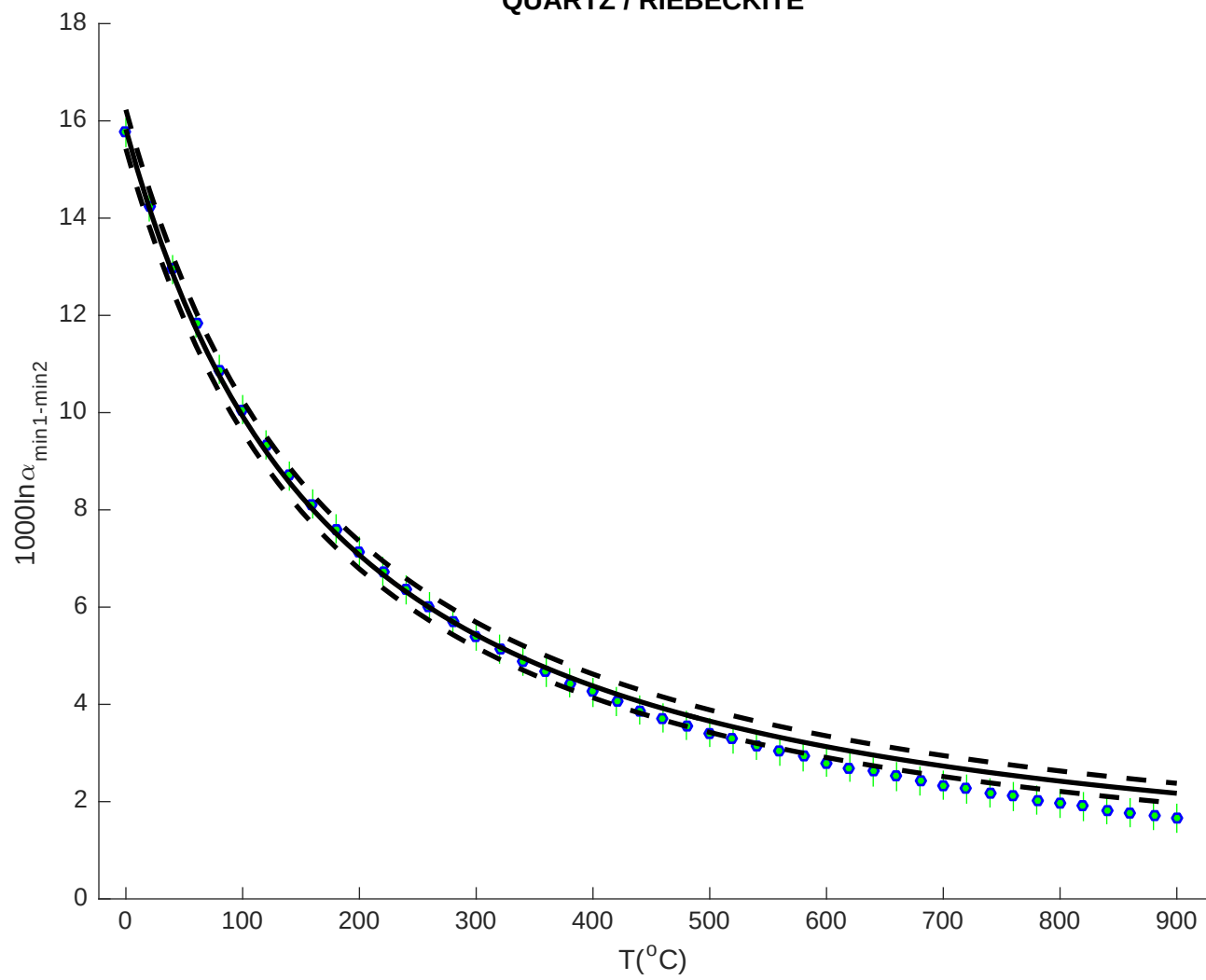


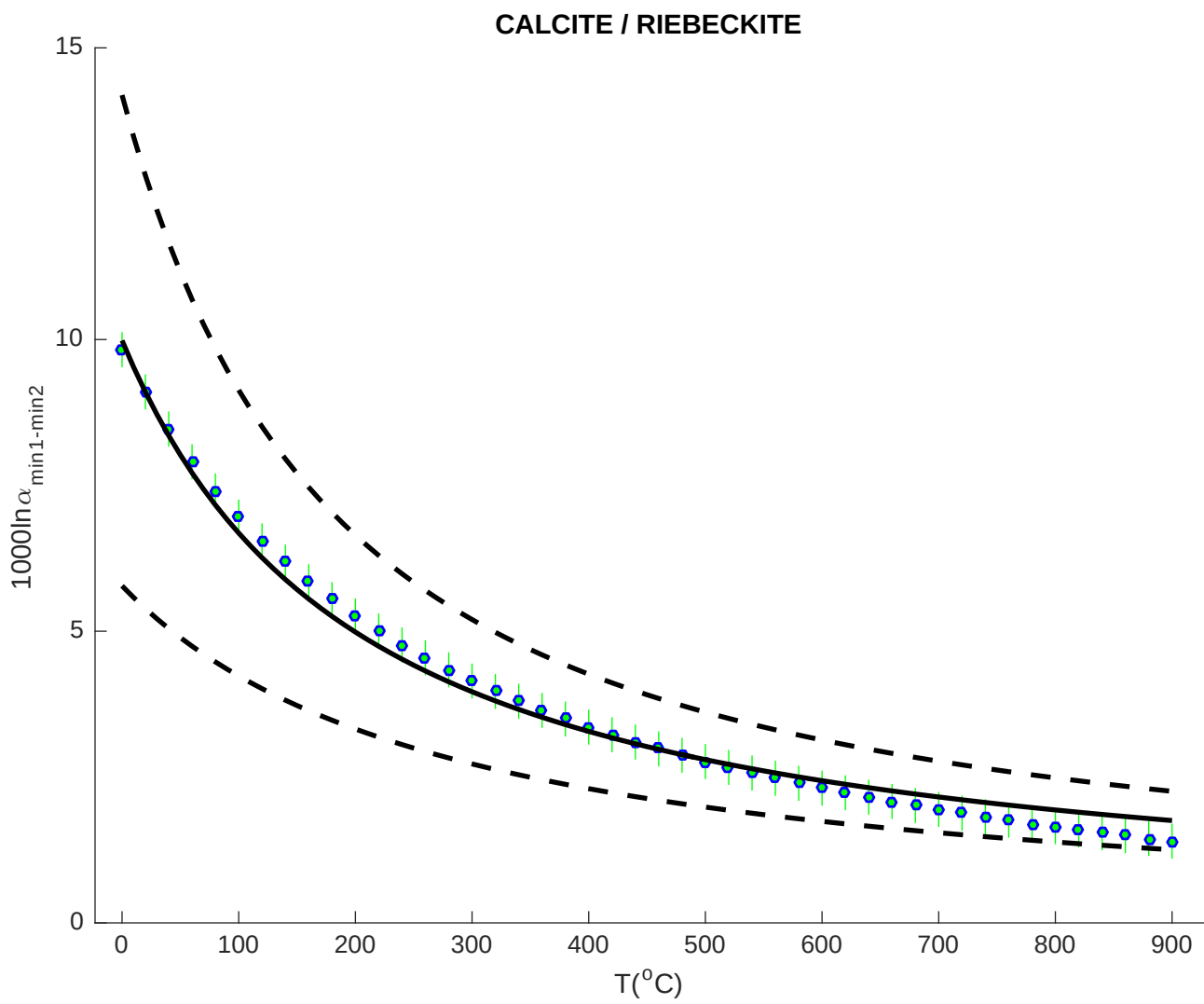
RICHTERITE / WATER

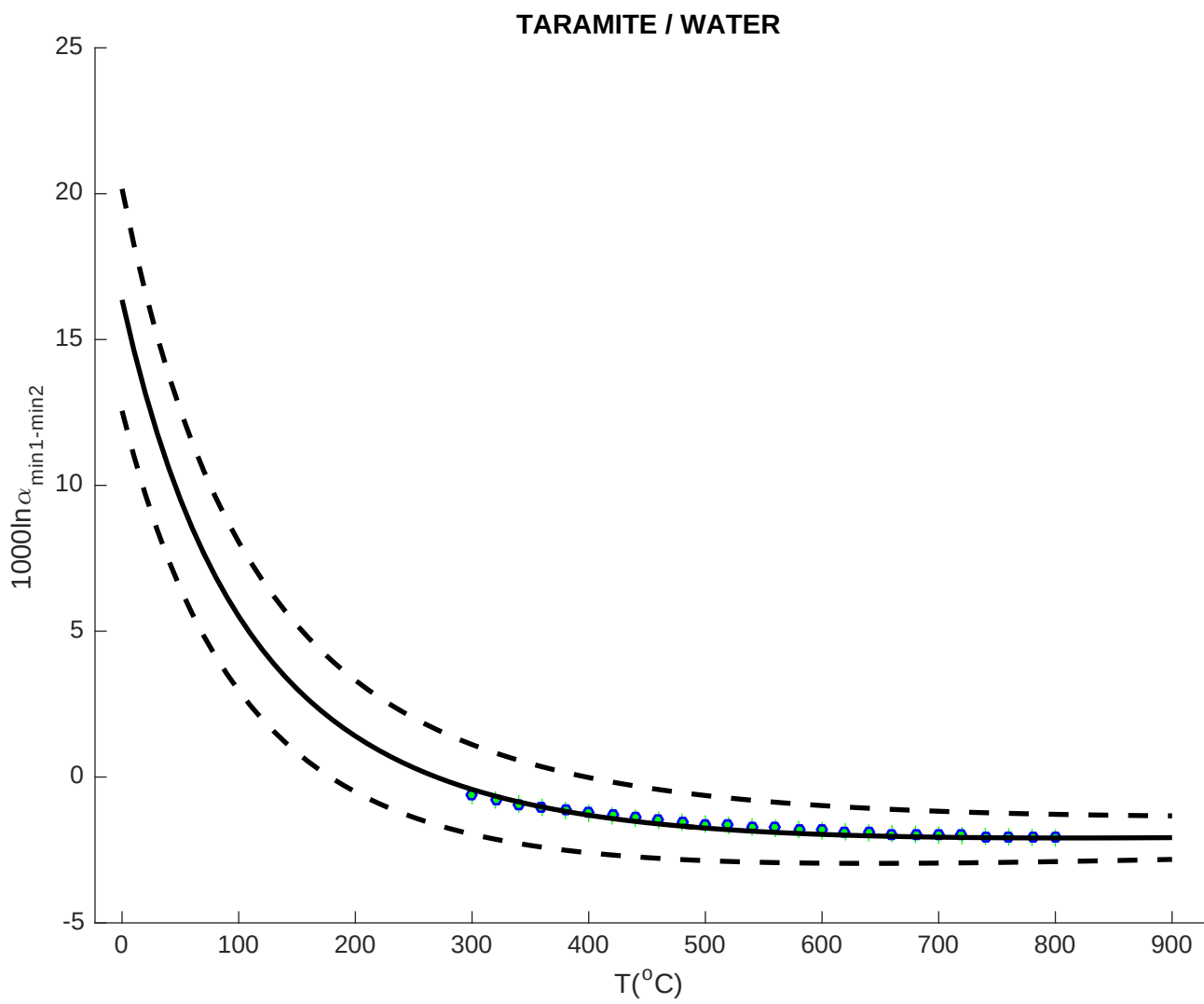


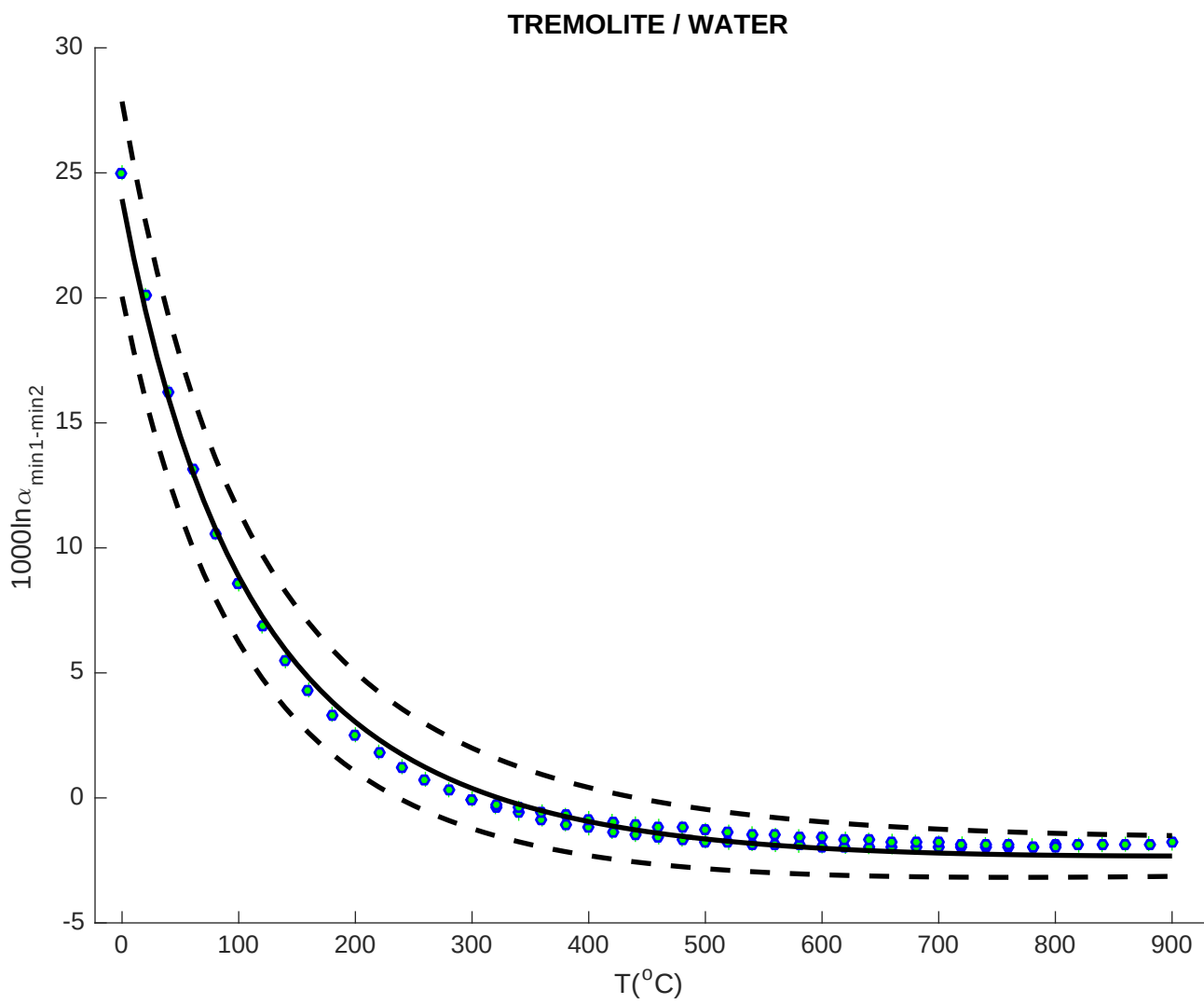


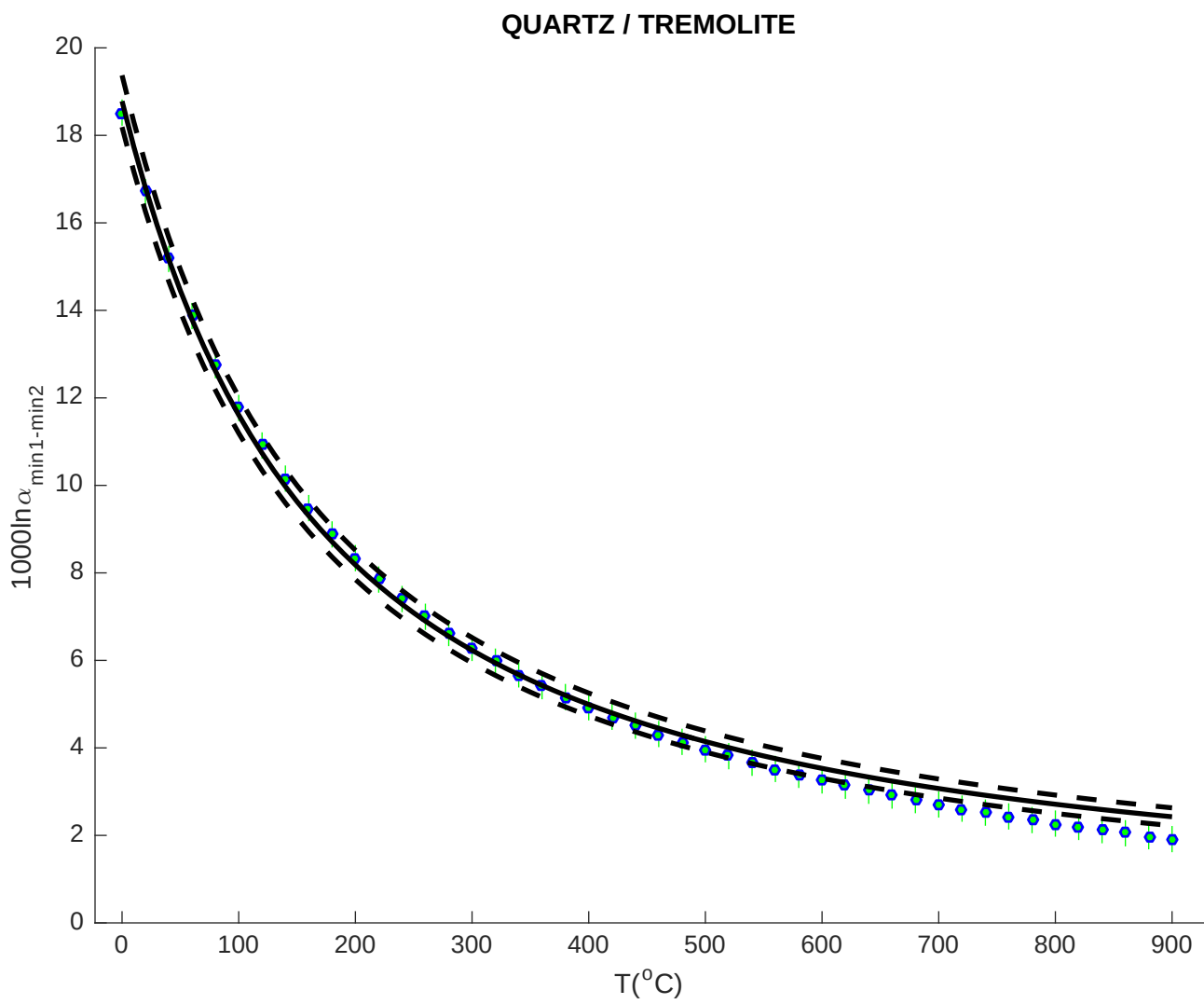
QUARTZ / RIEBECKITE

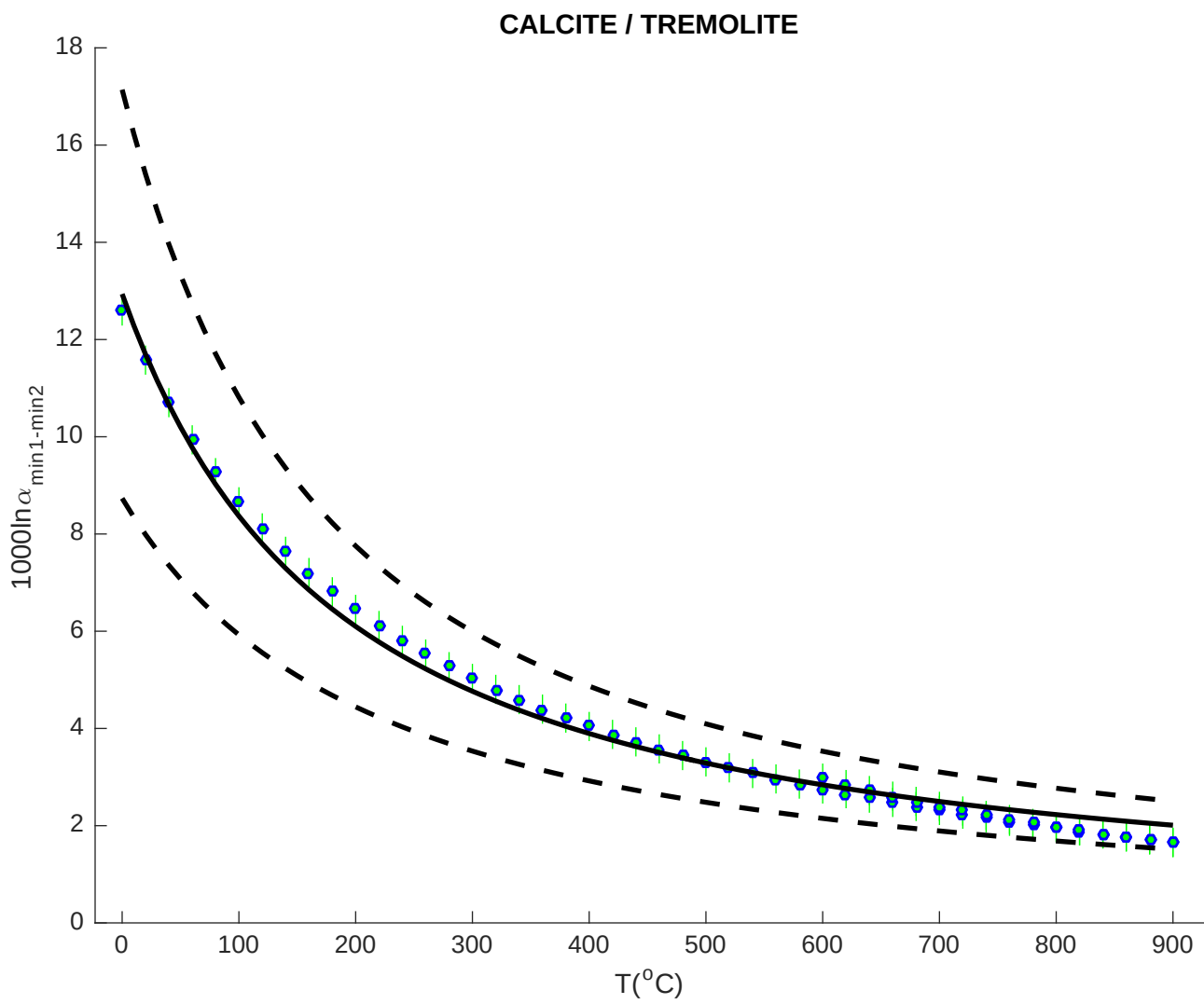


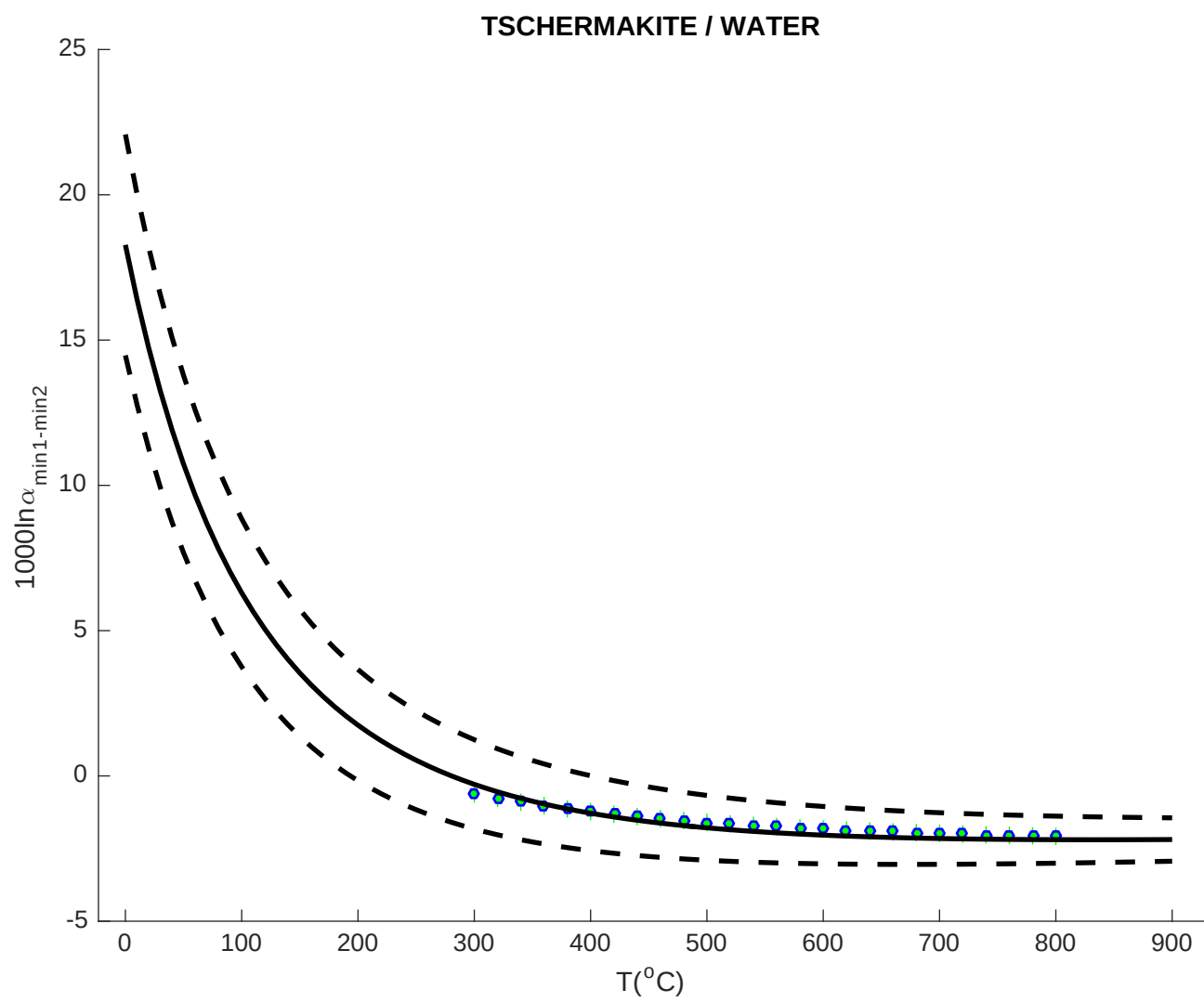




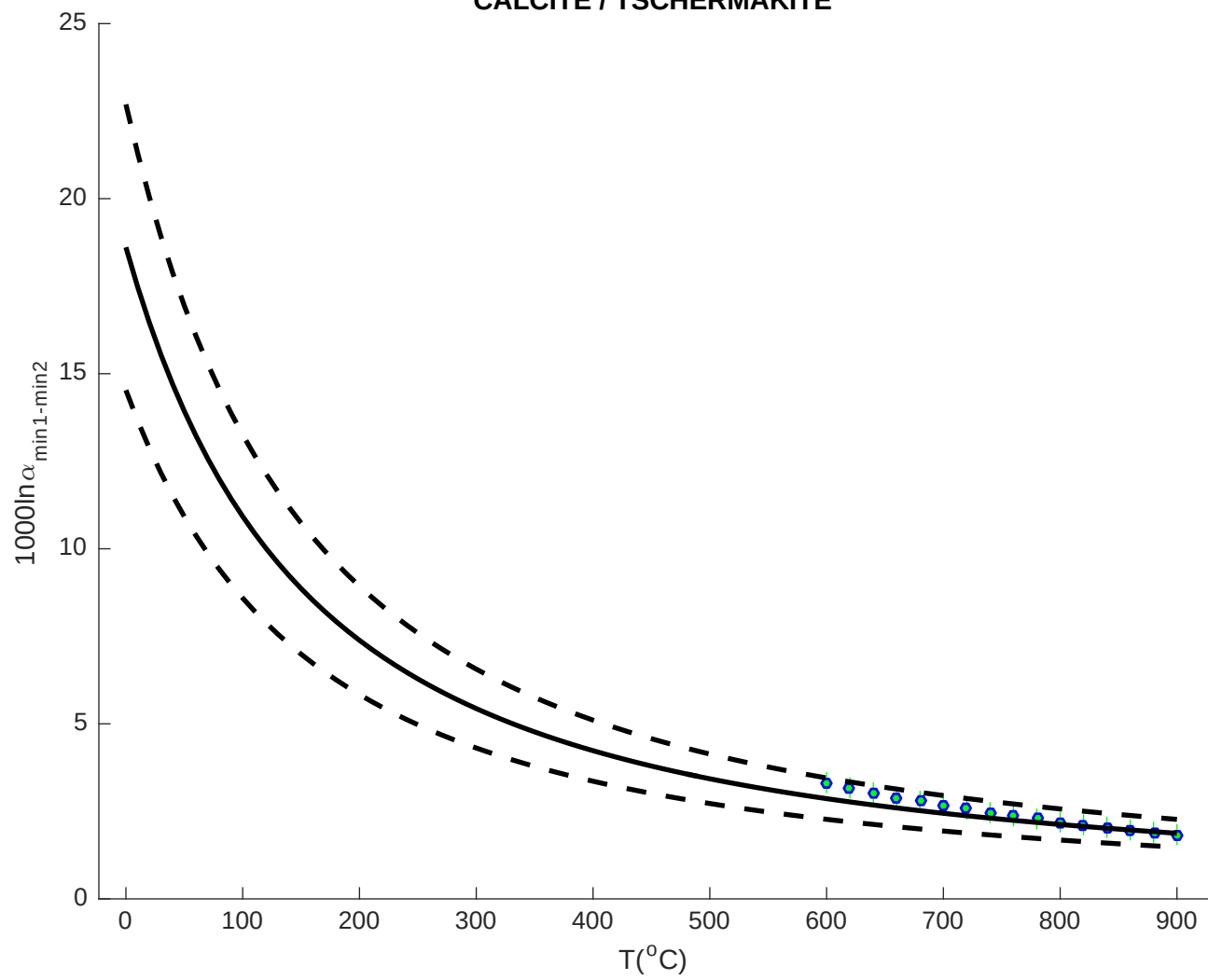




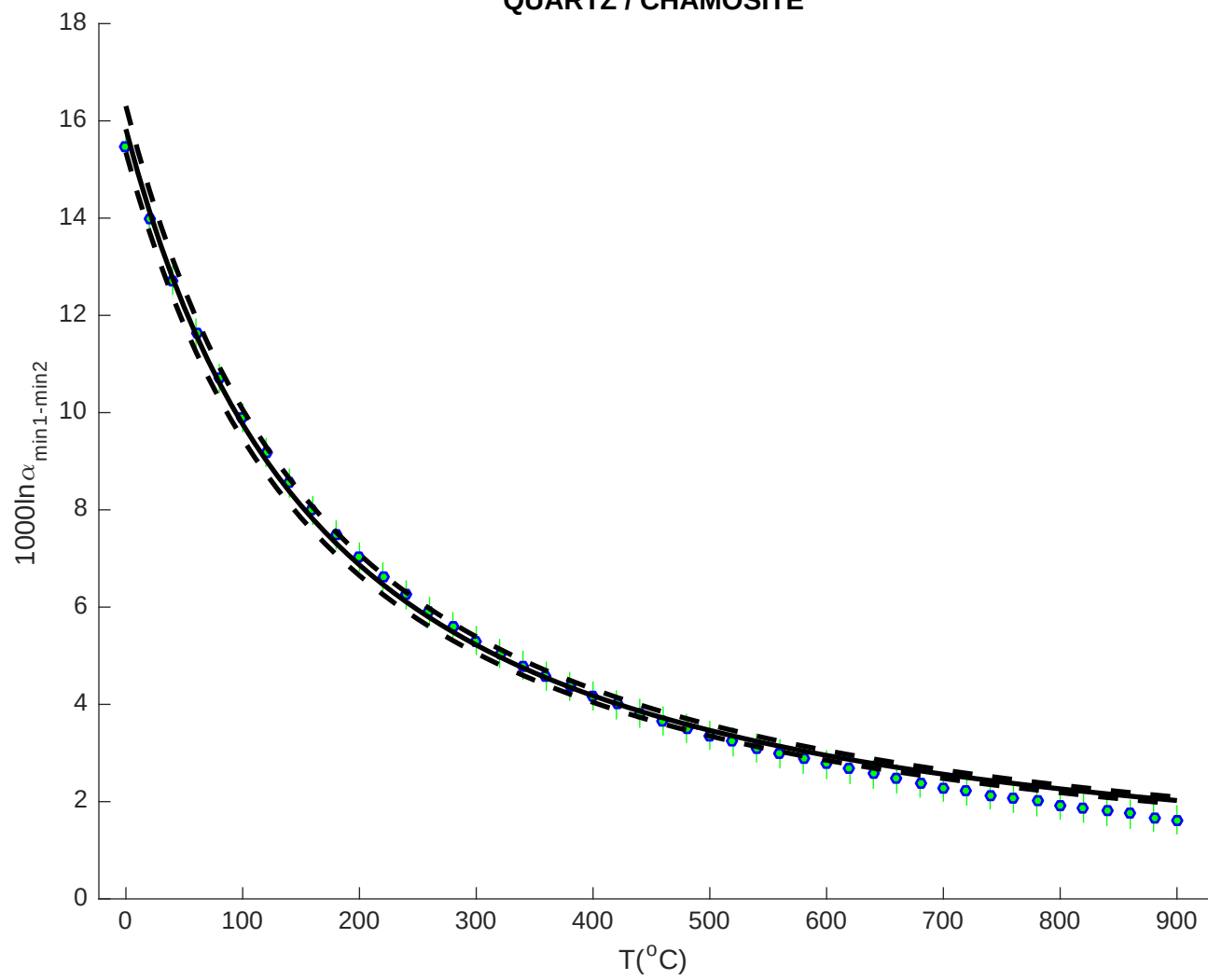


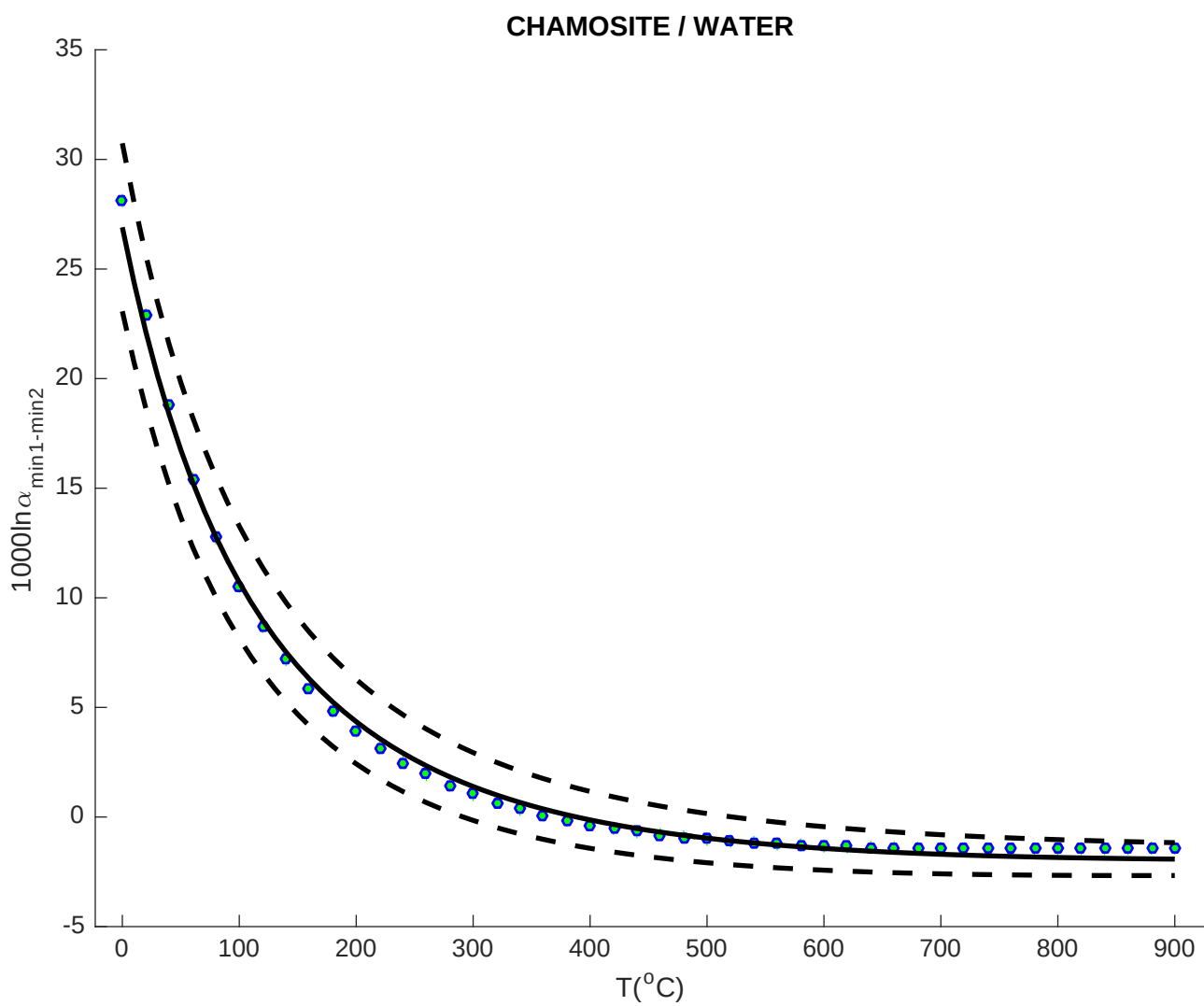


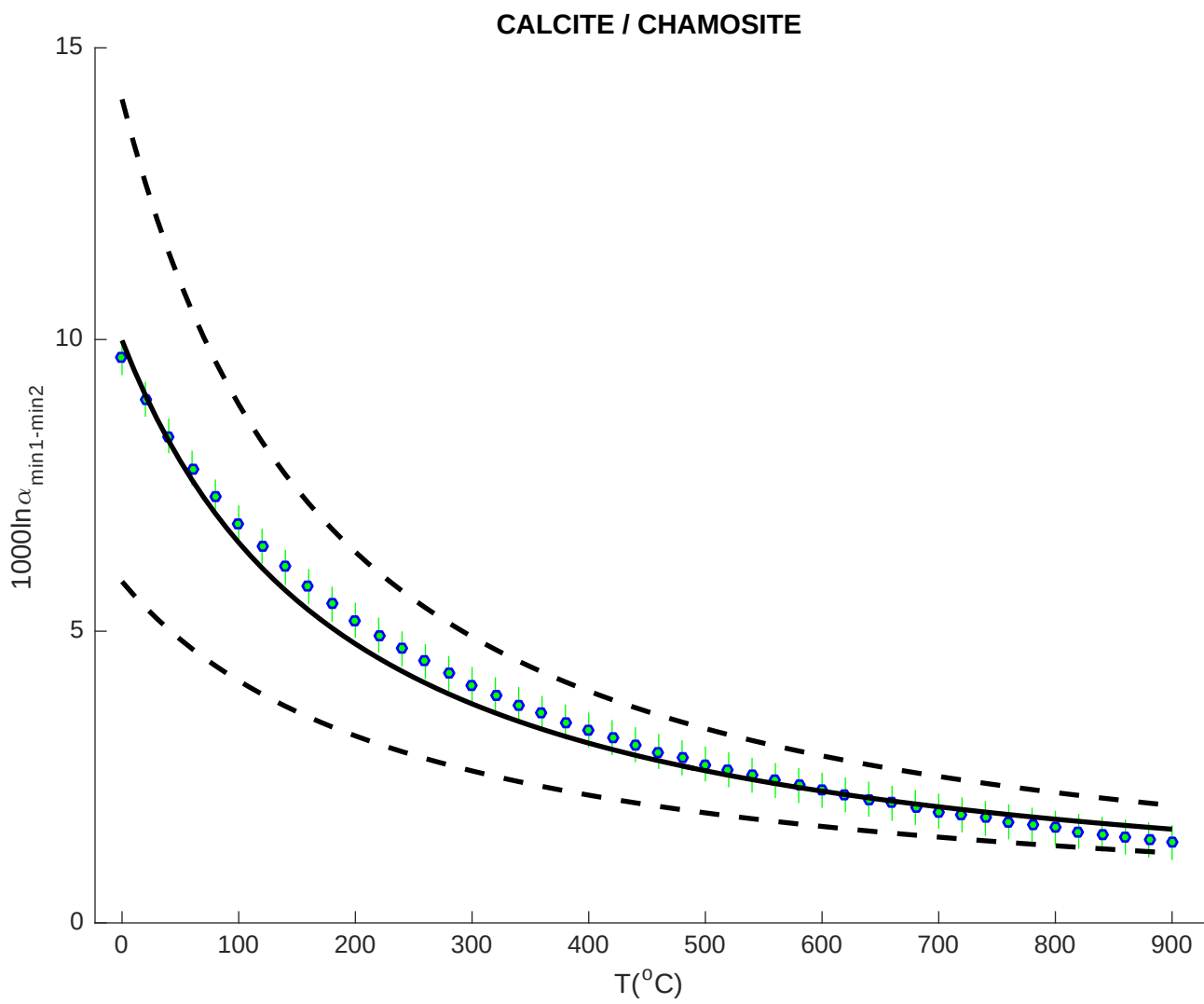
CALCITE / TSCHERMAKITE

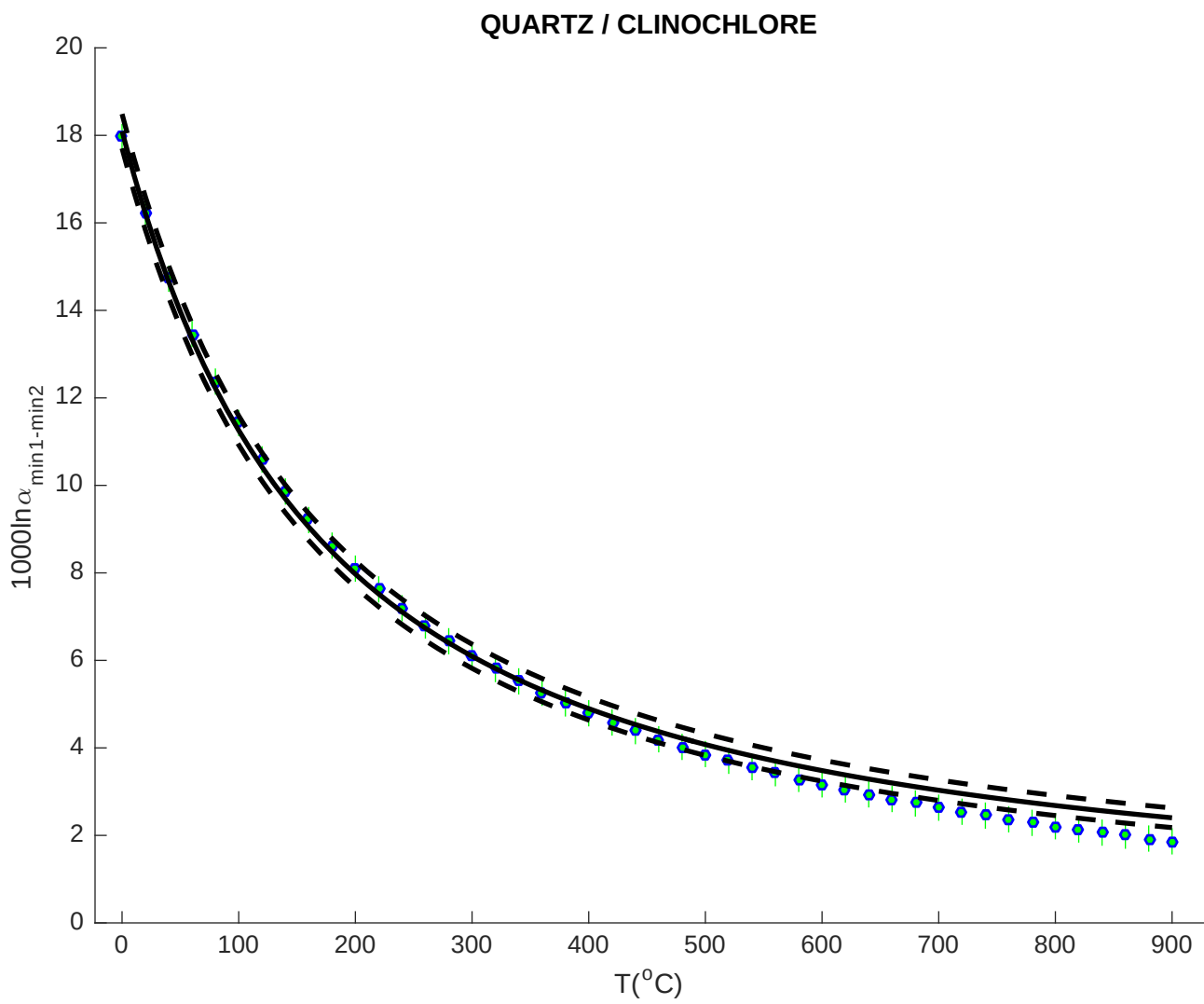


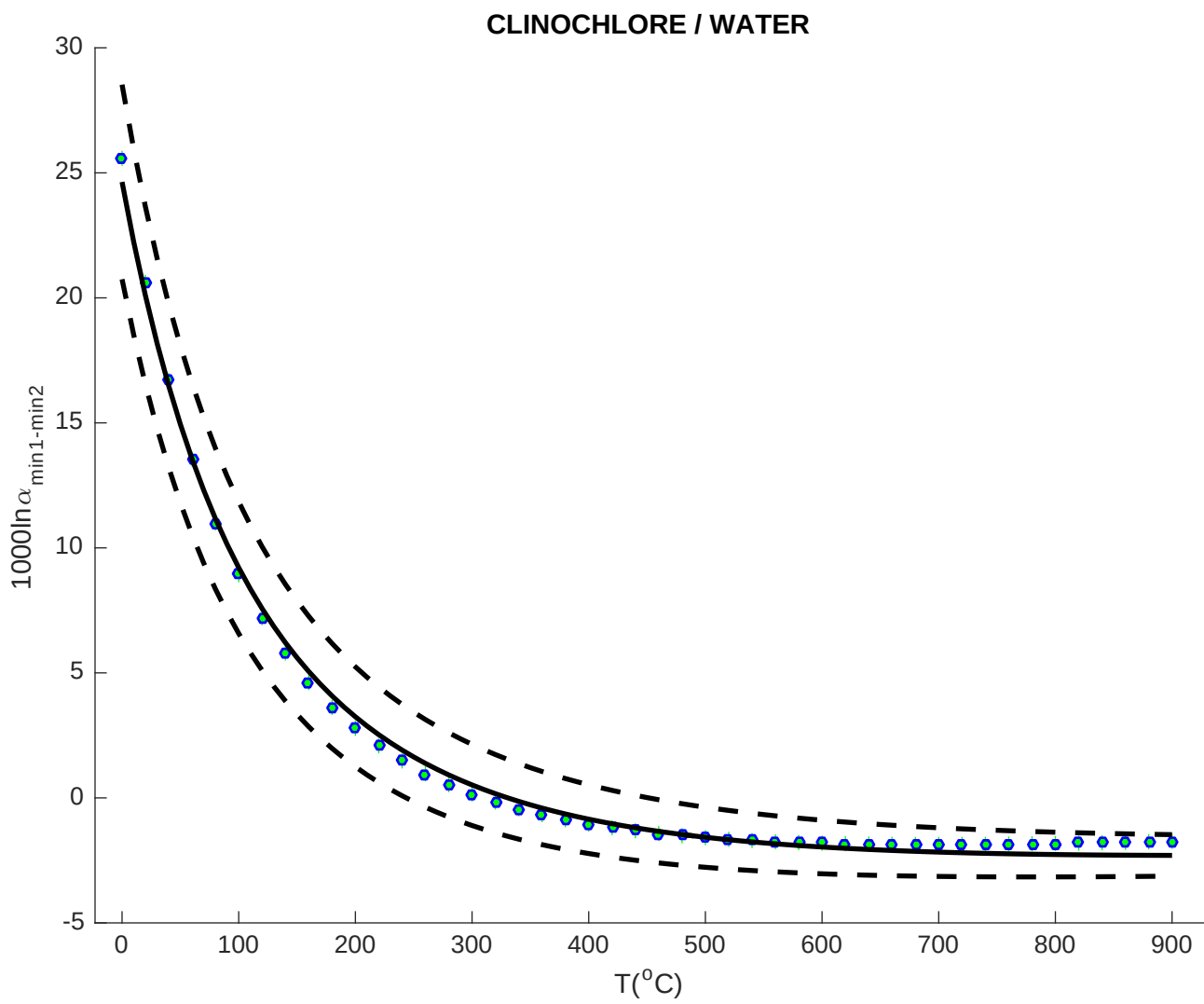
QUARTZ / CHAMOSITE

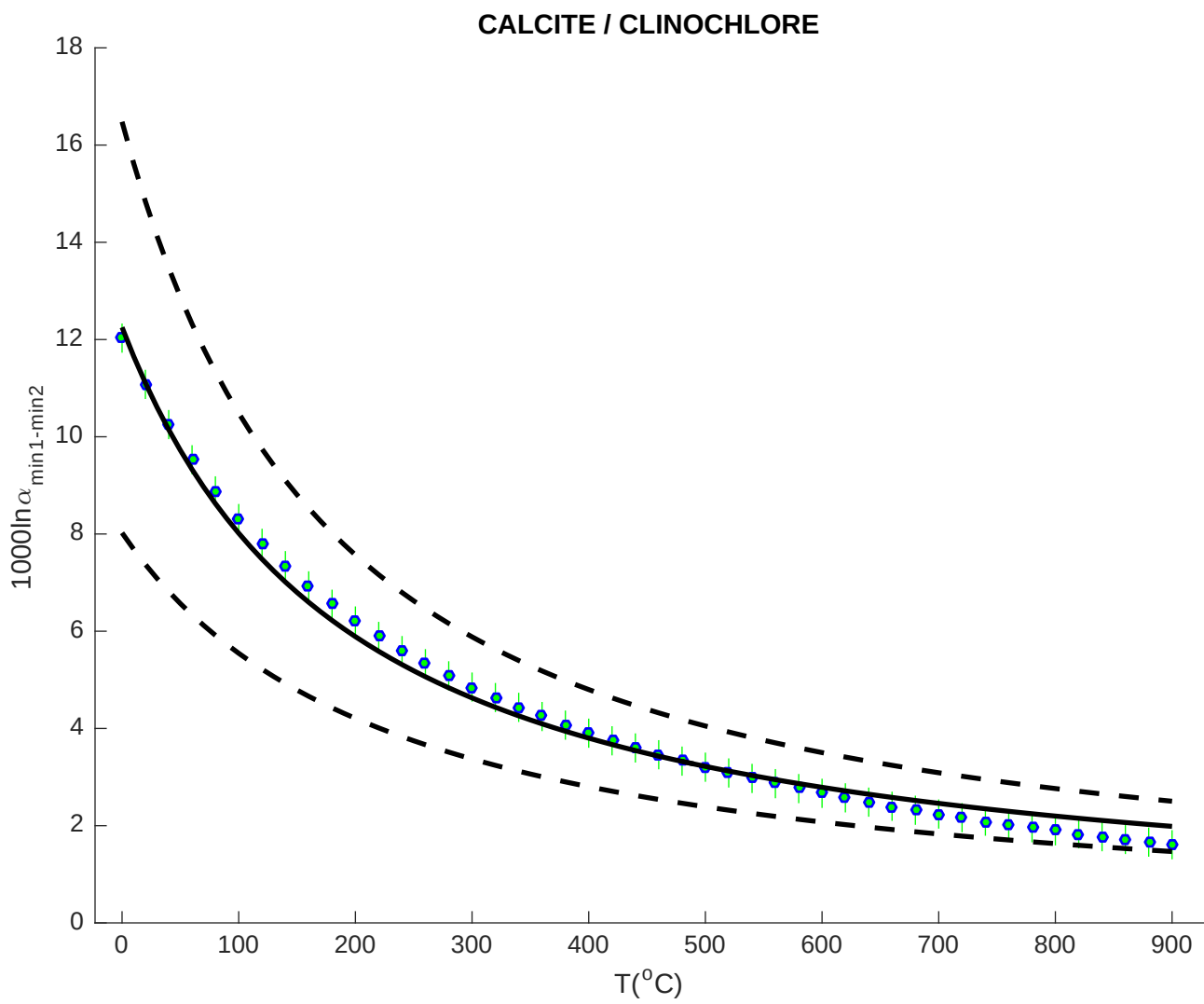


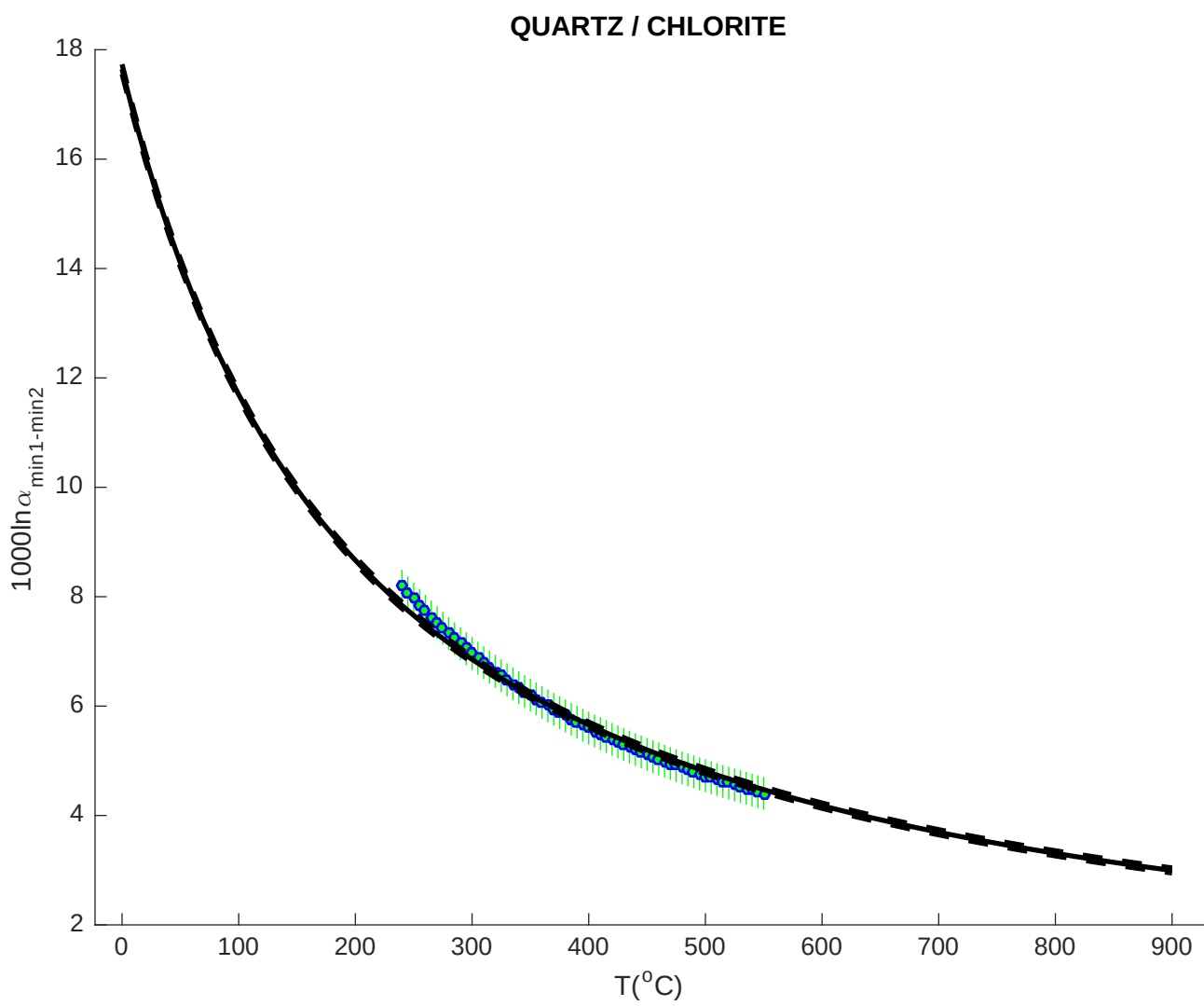


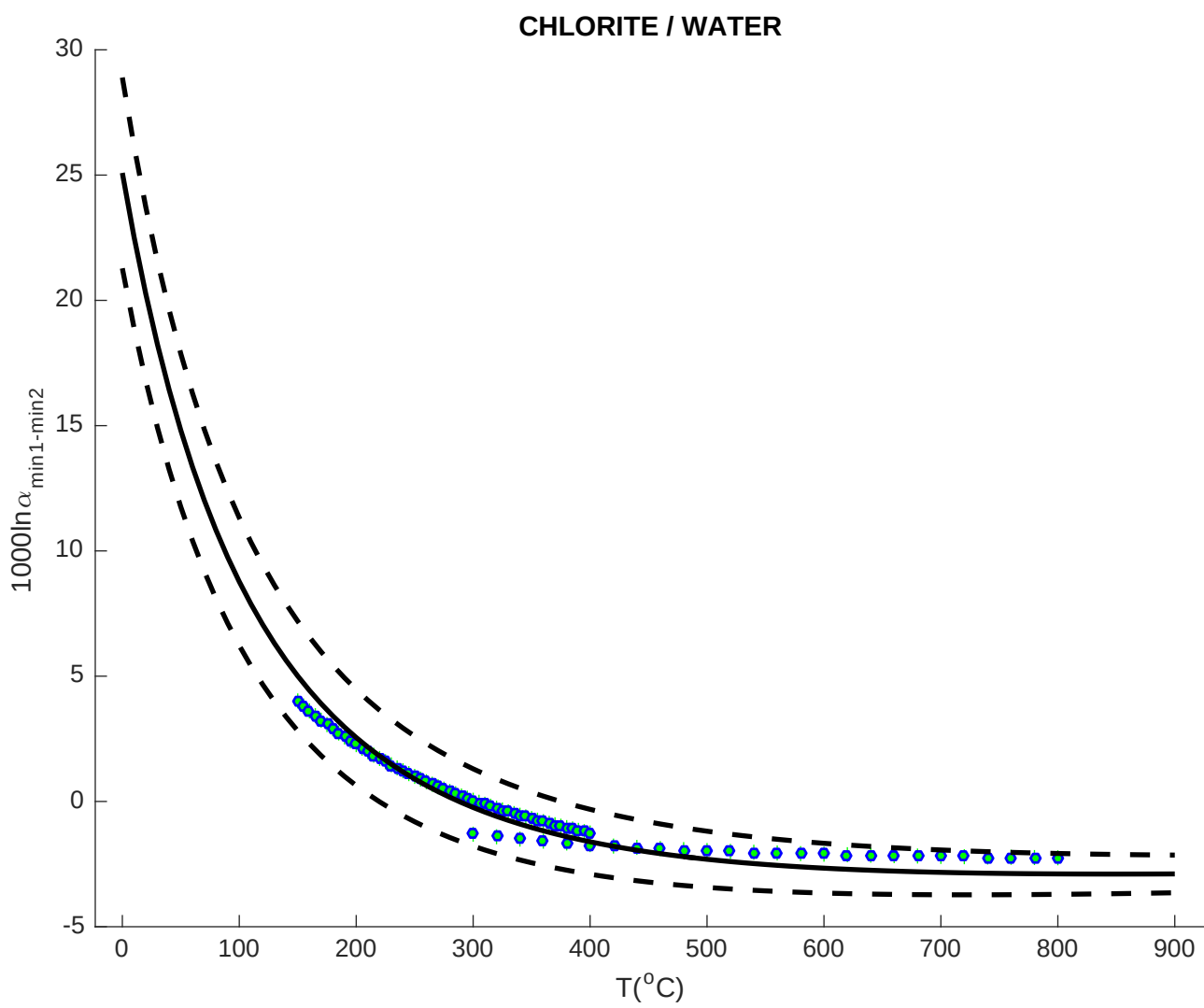


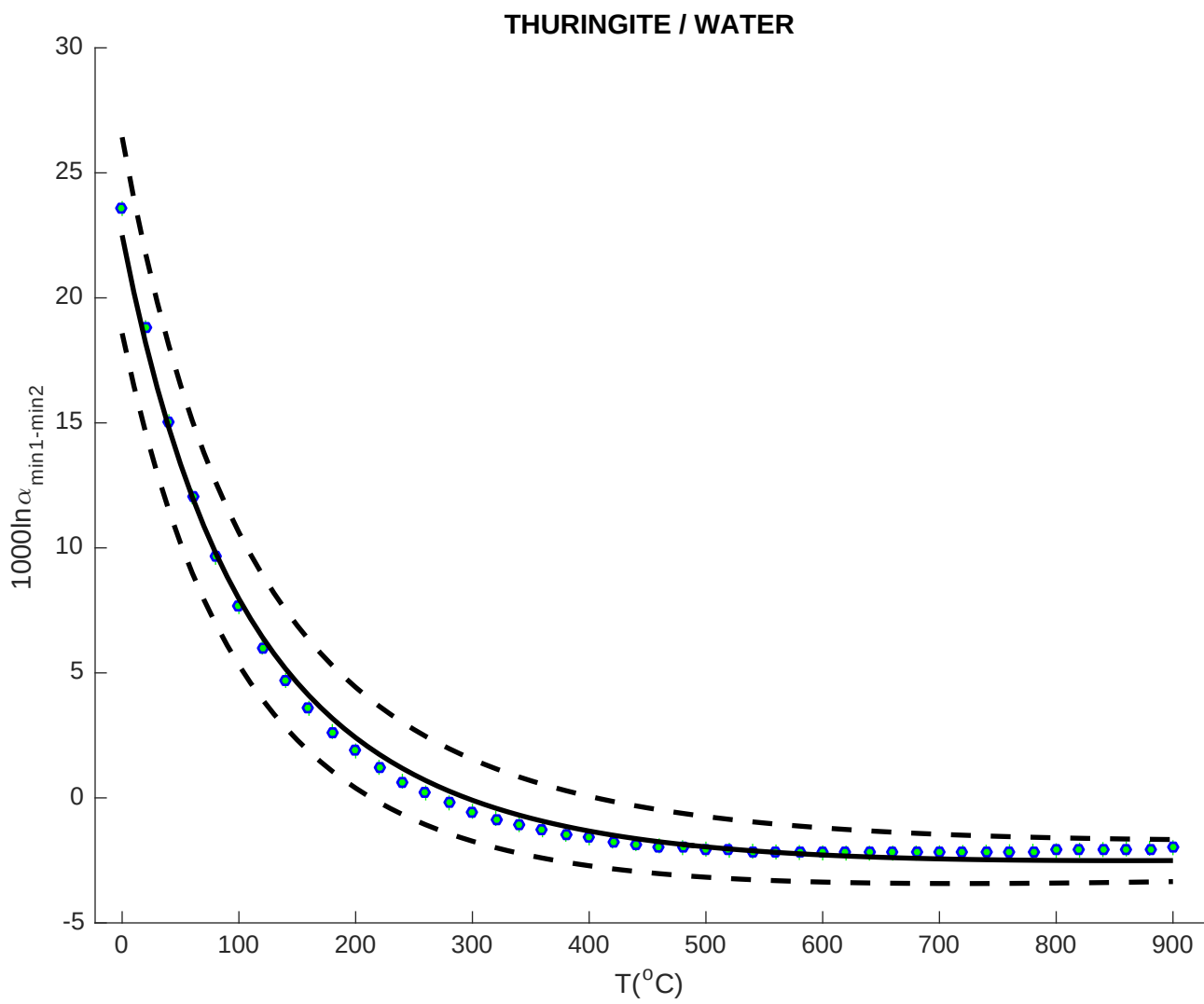


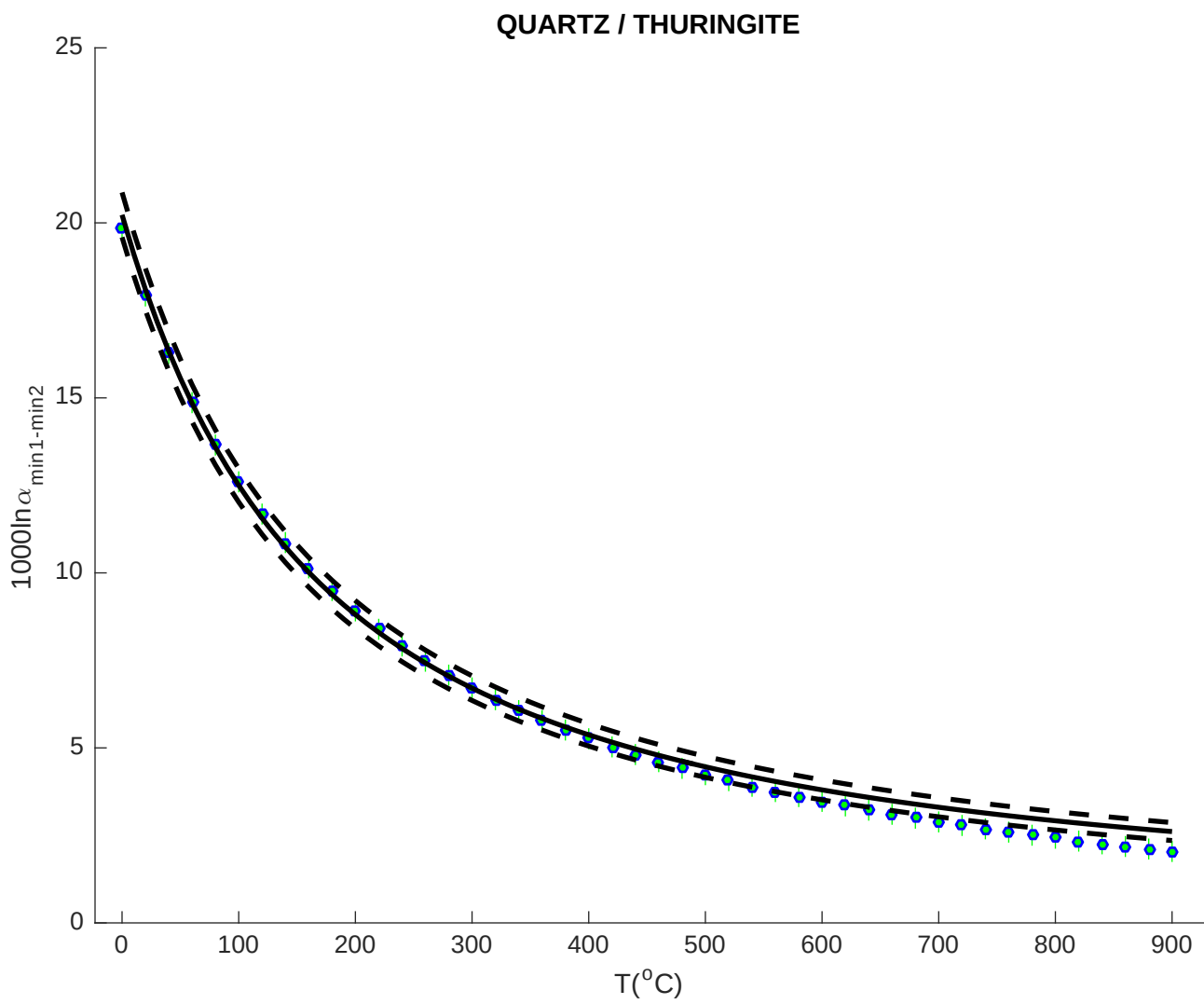


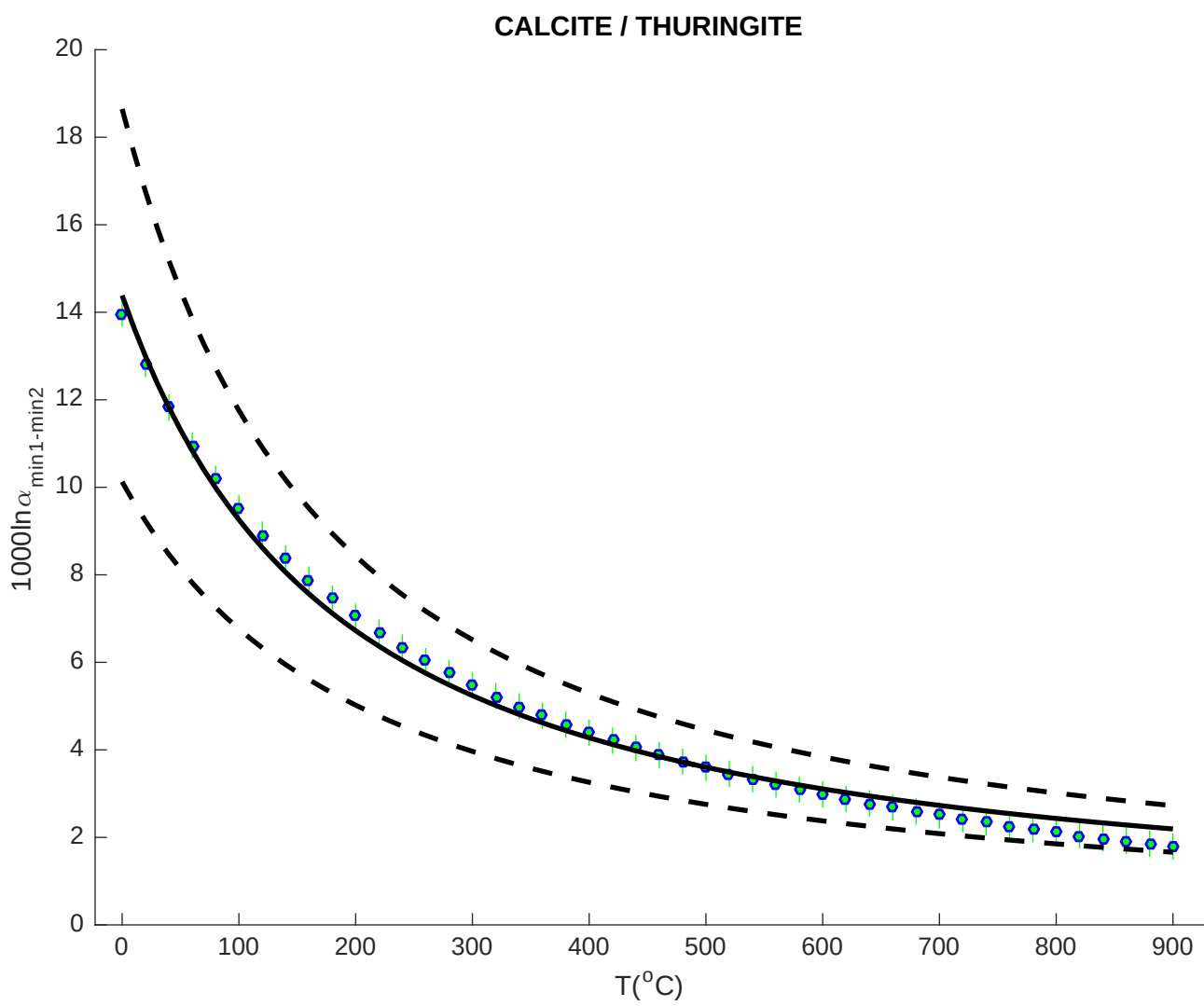


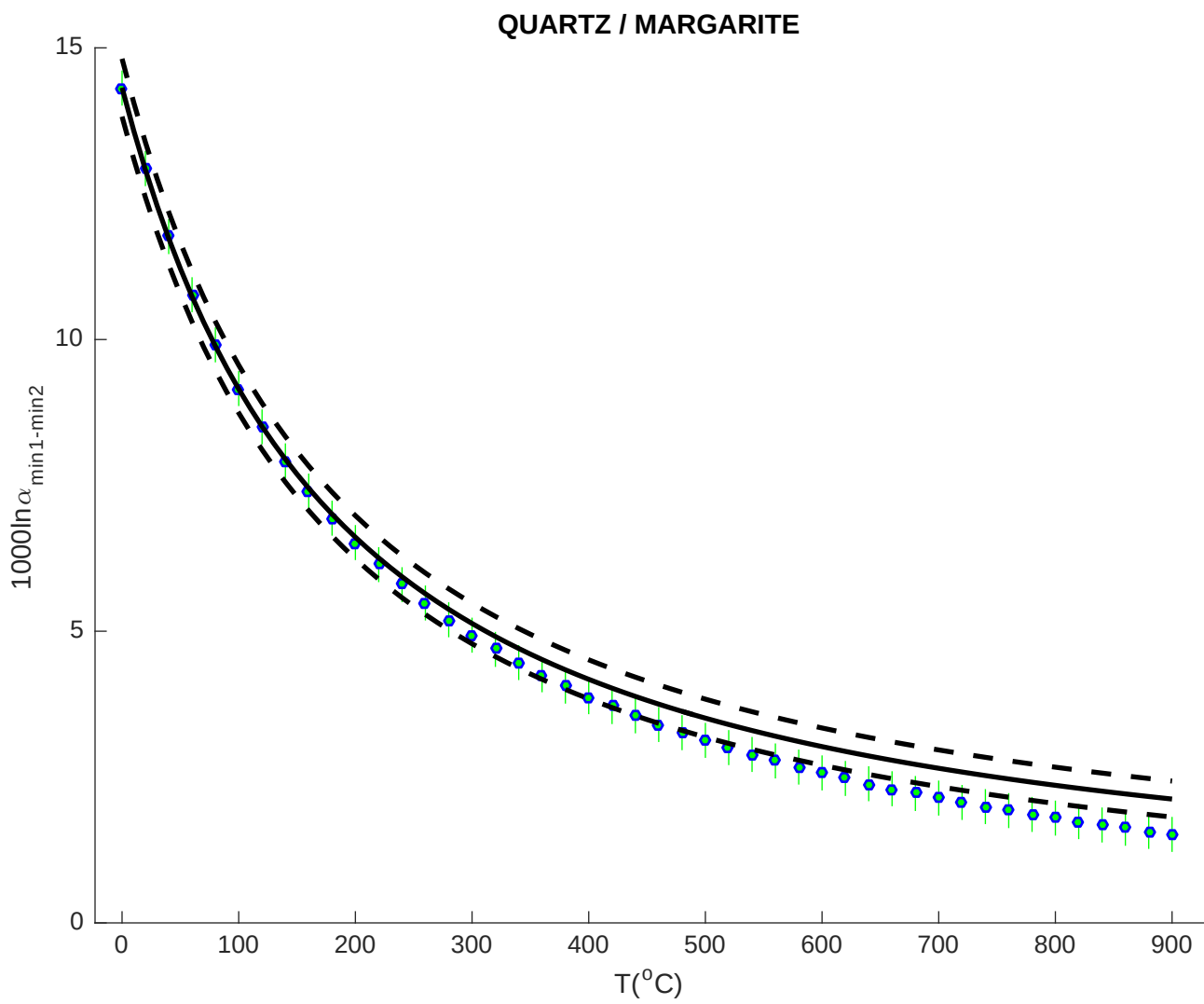


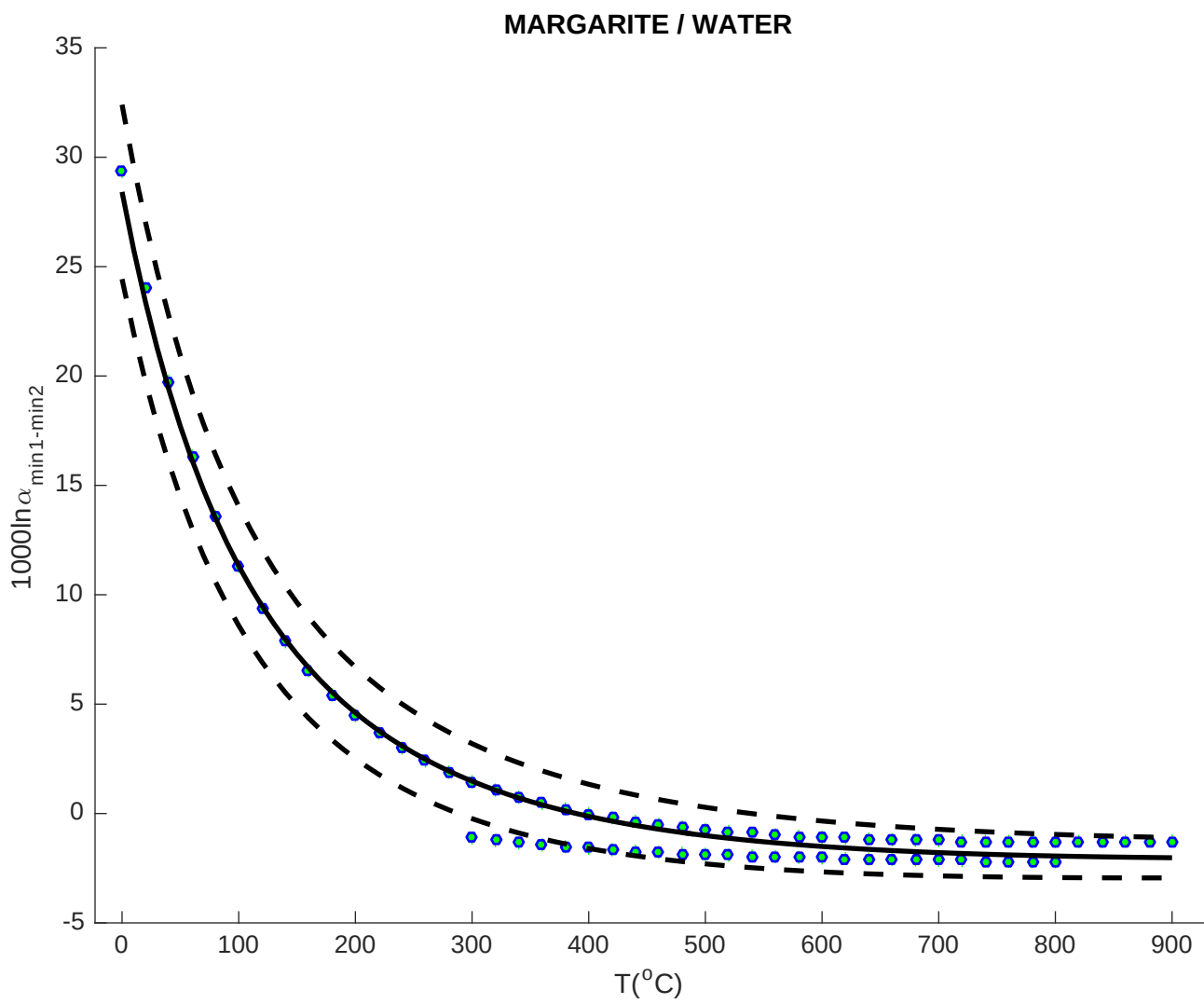


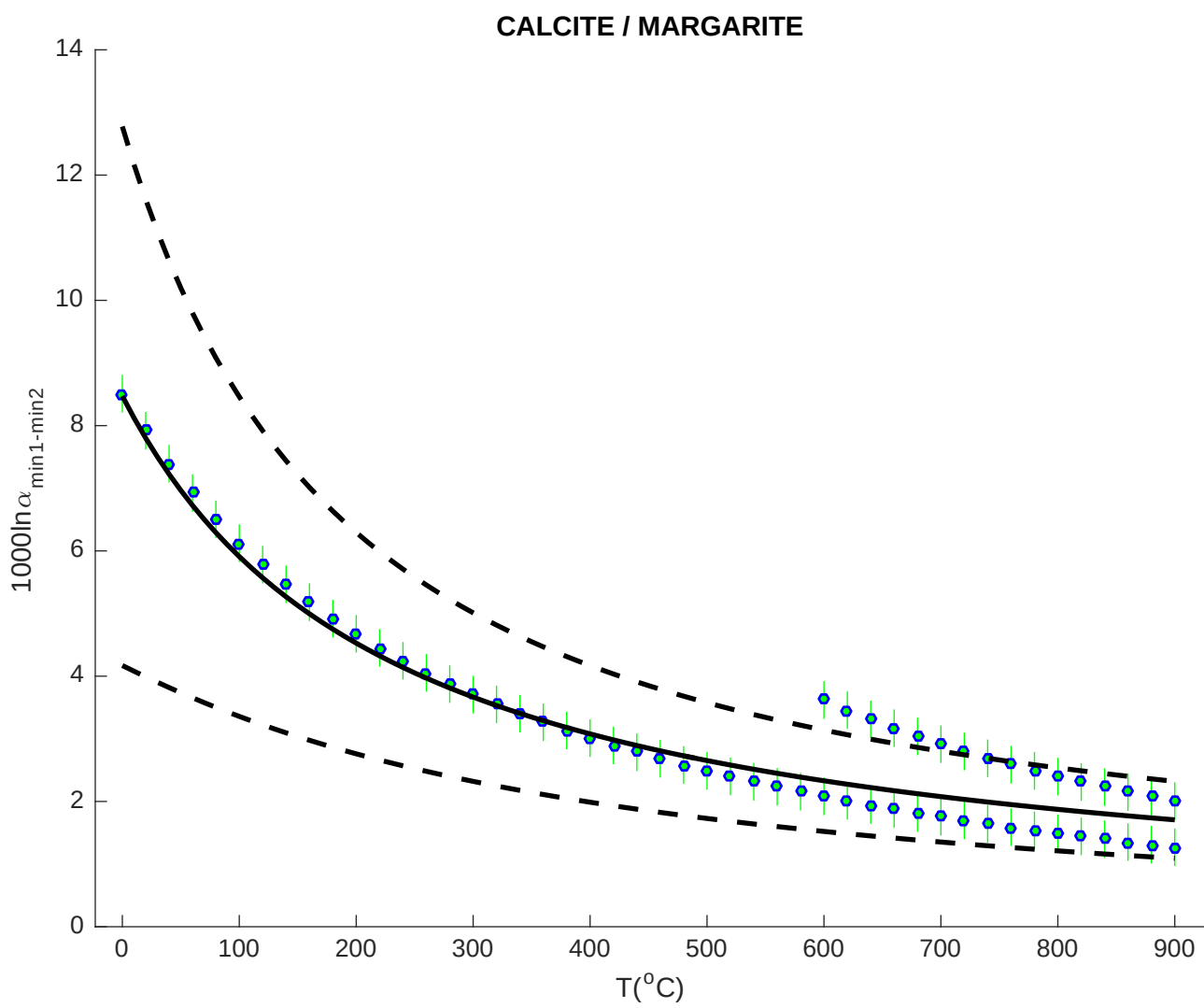


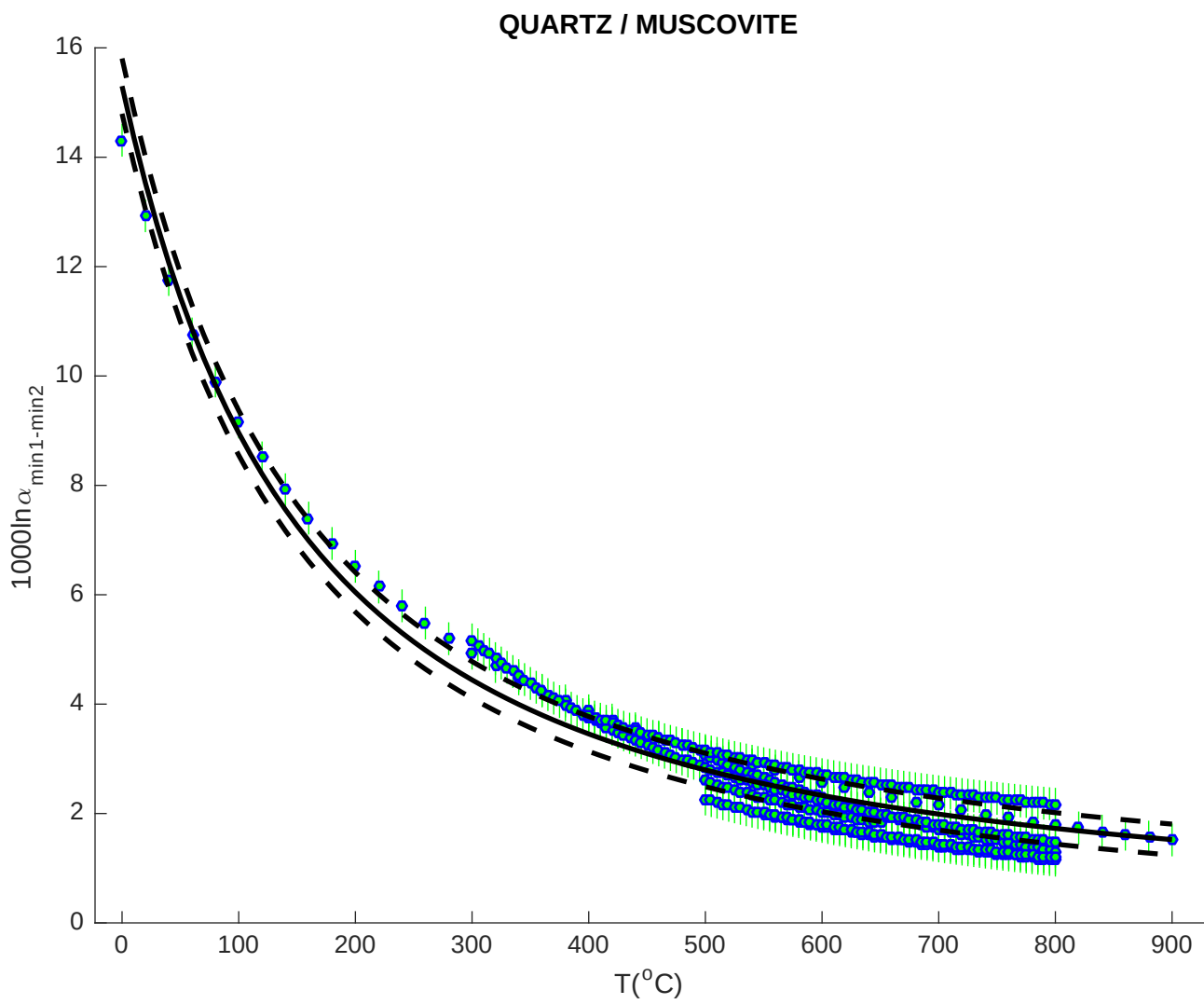


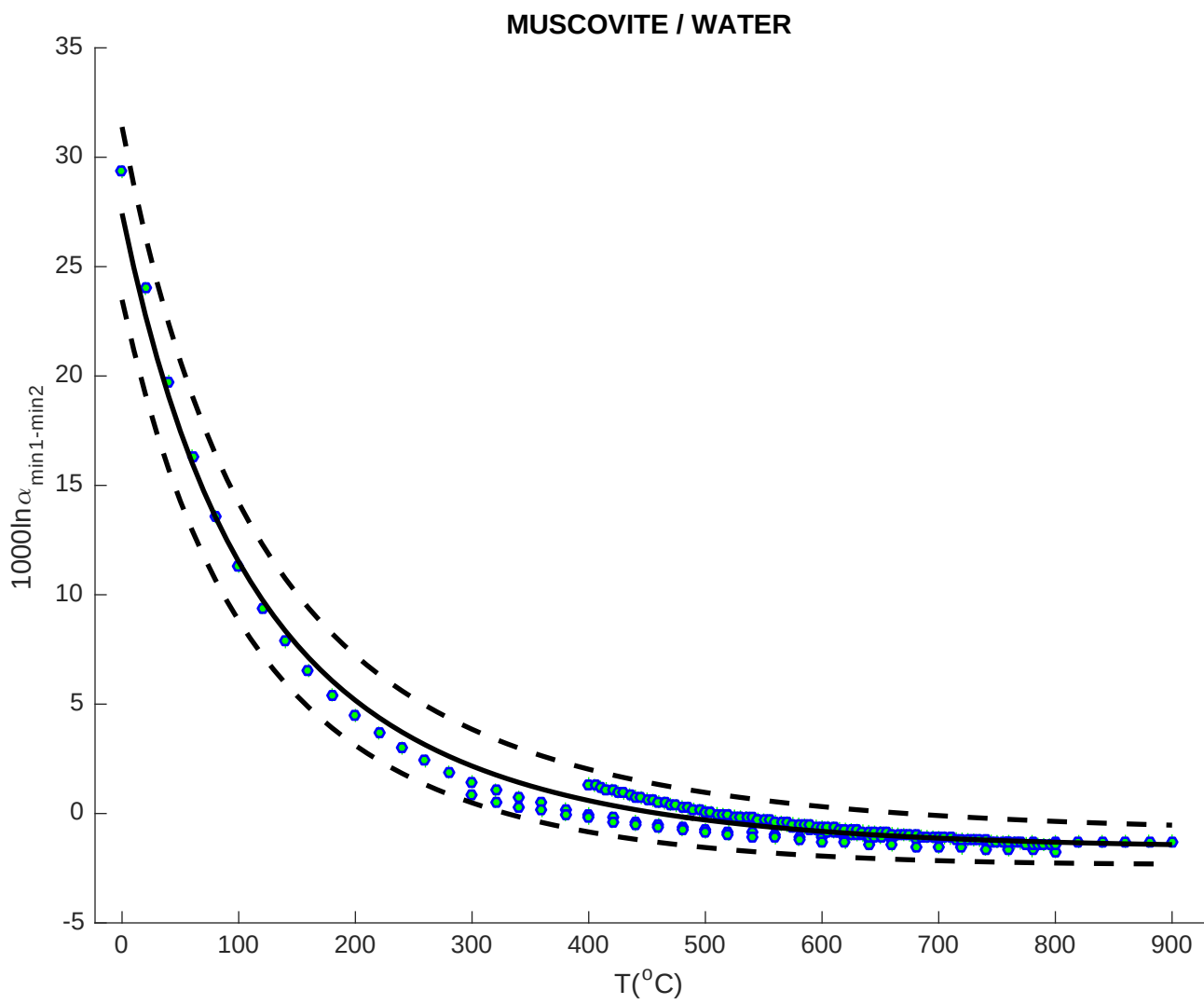


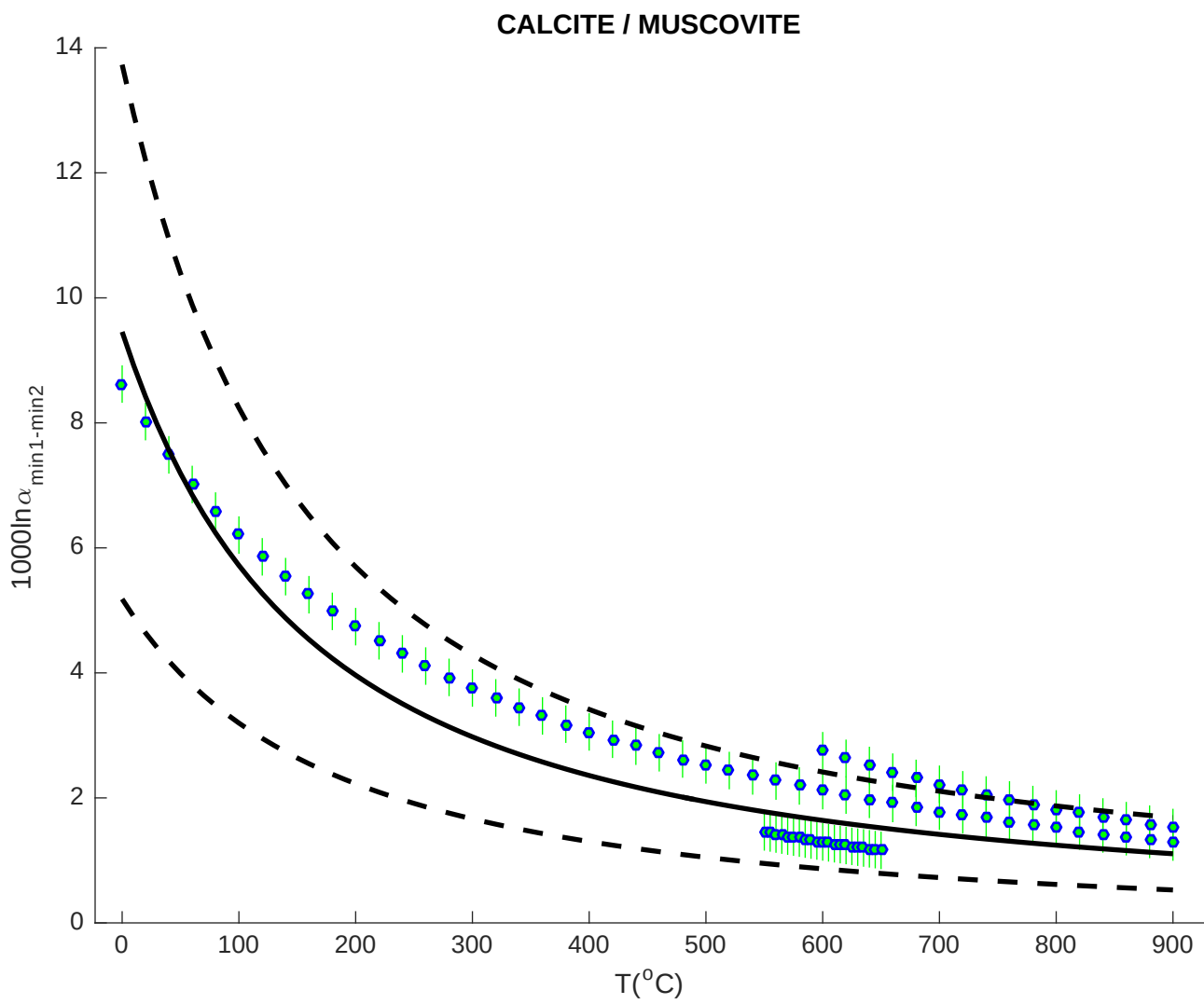


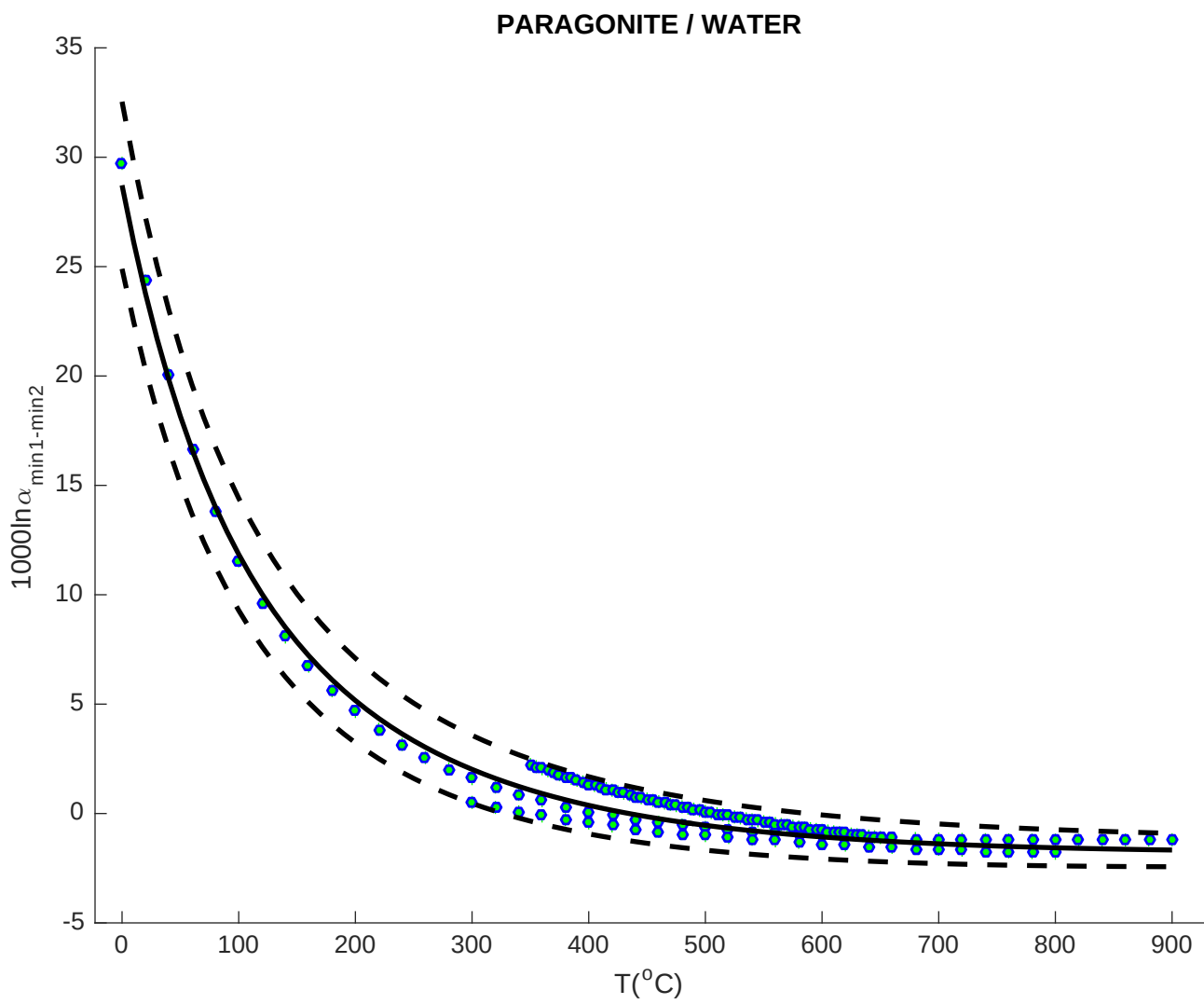


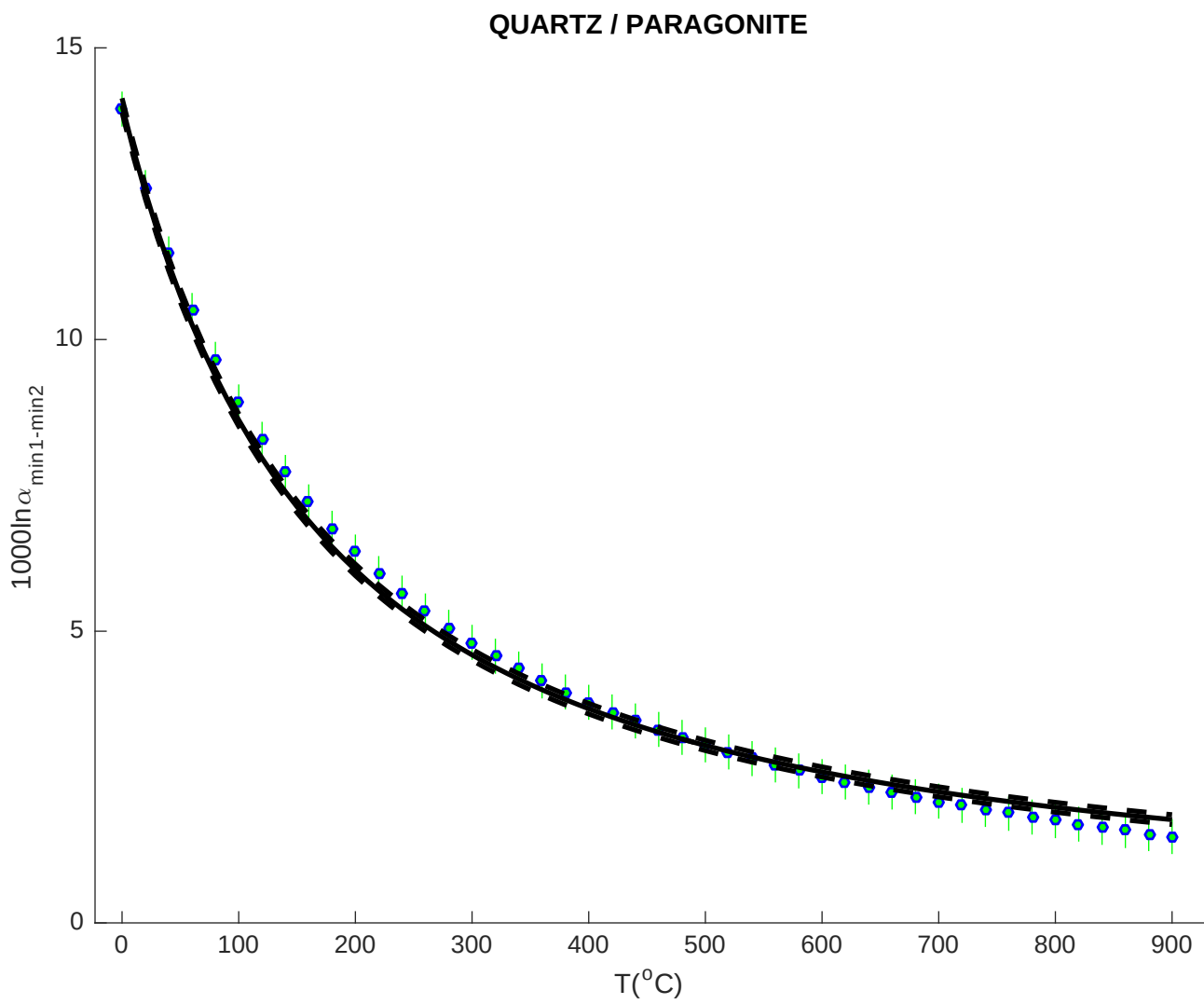




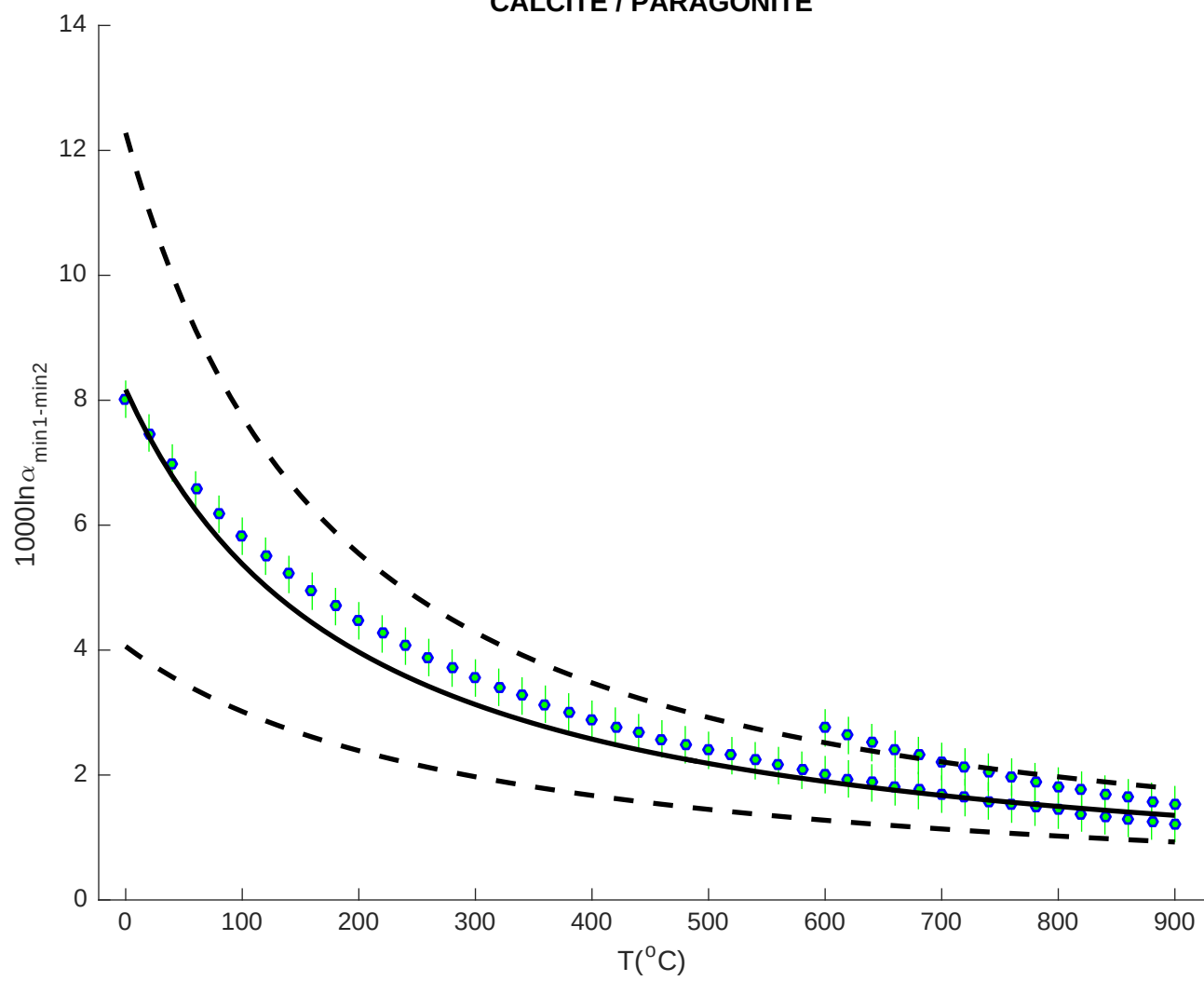


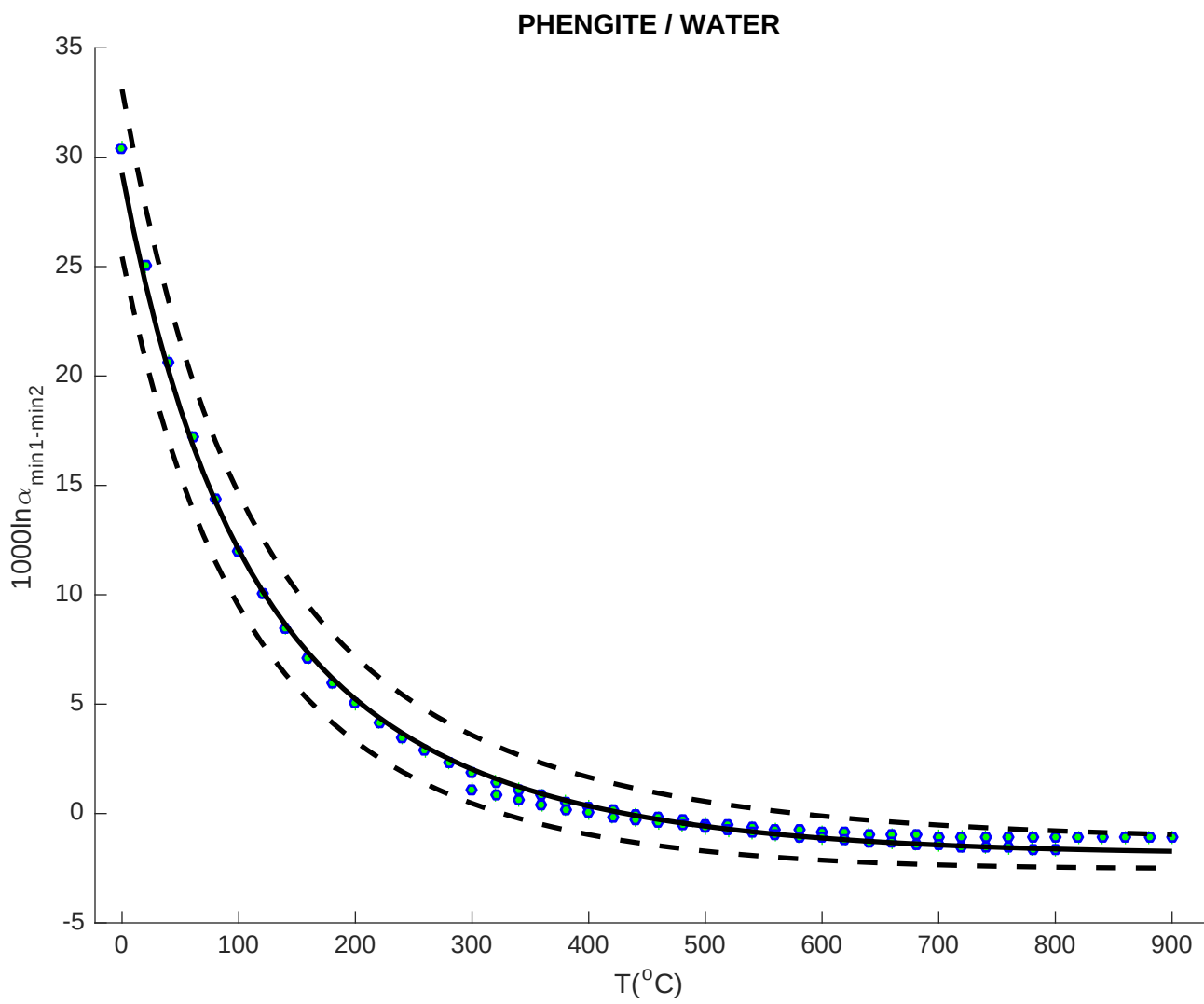


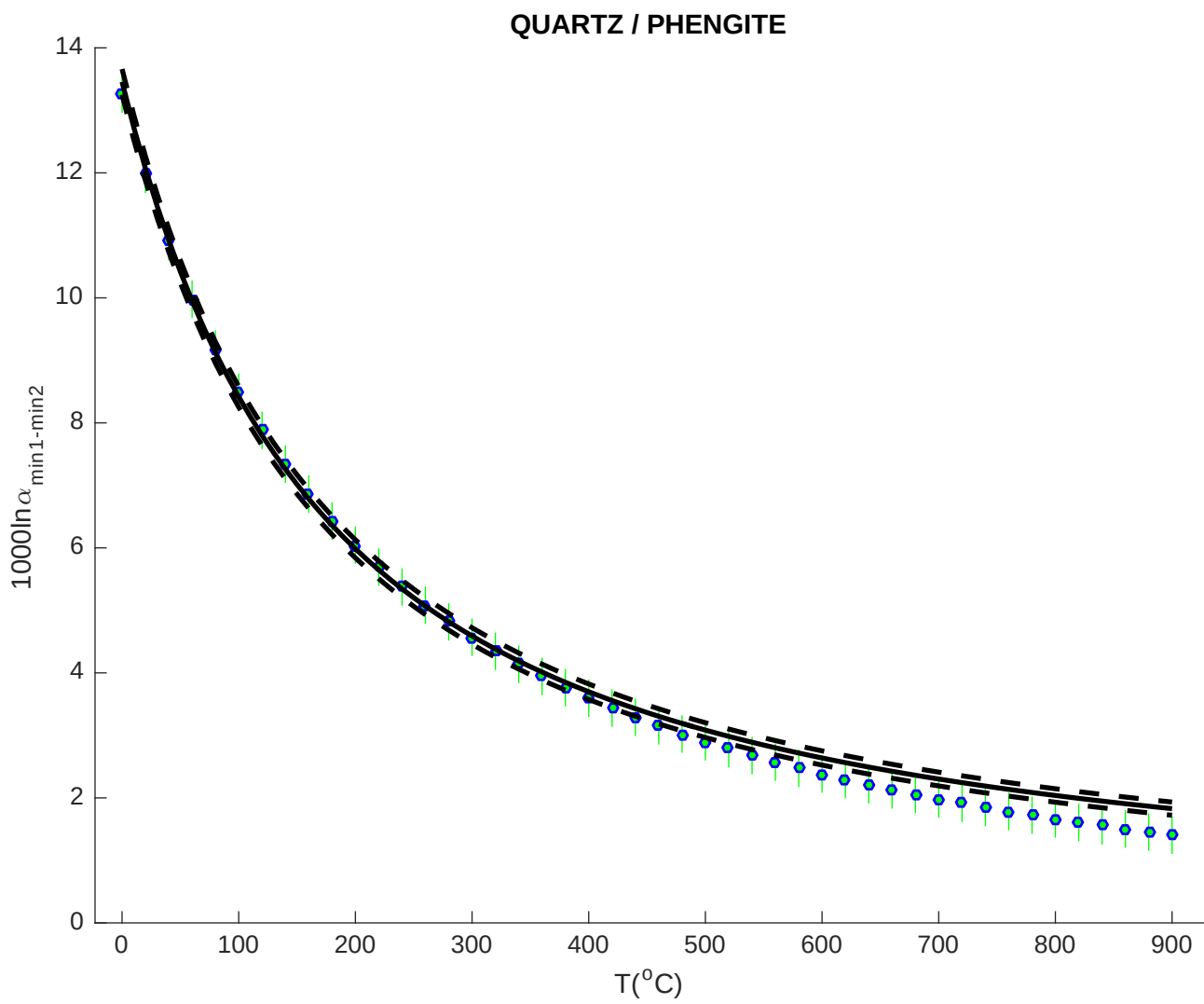


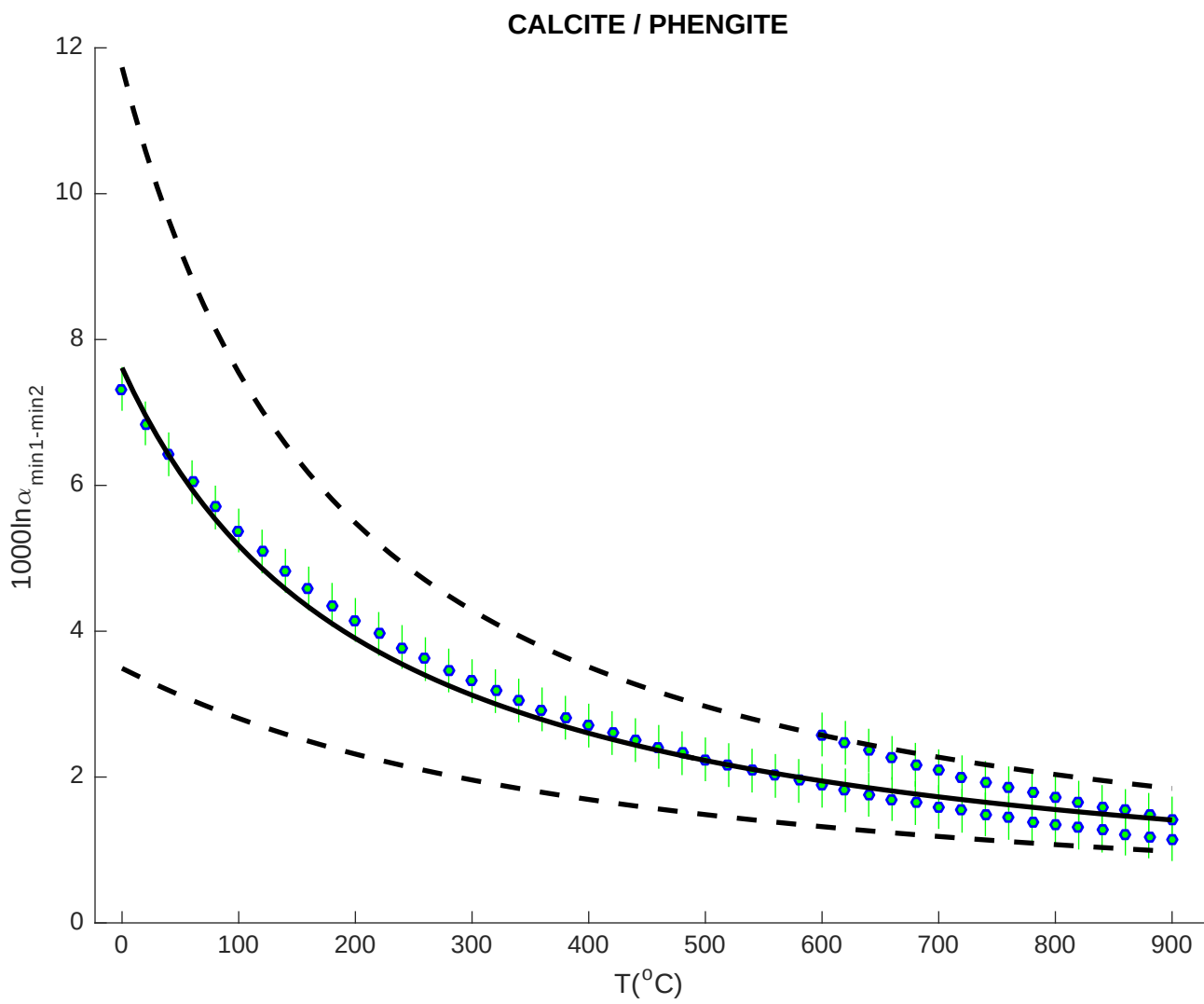


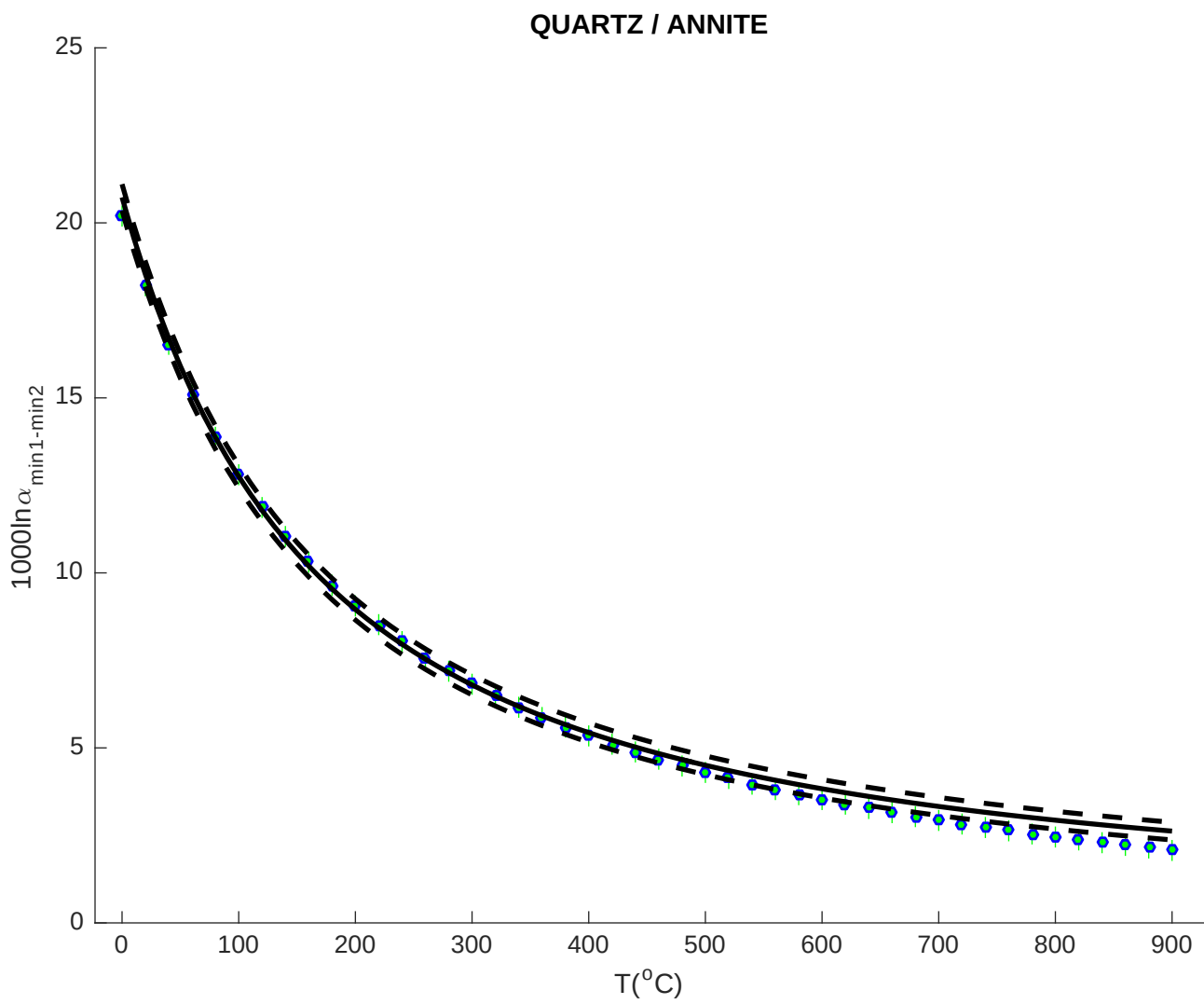
CALCITE / PARAGONITE

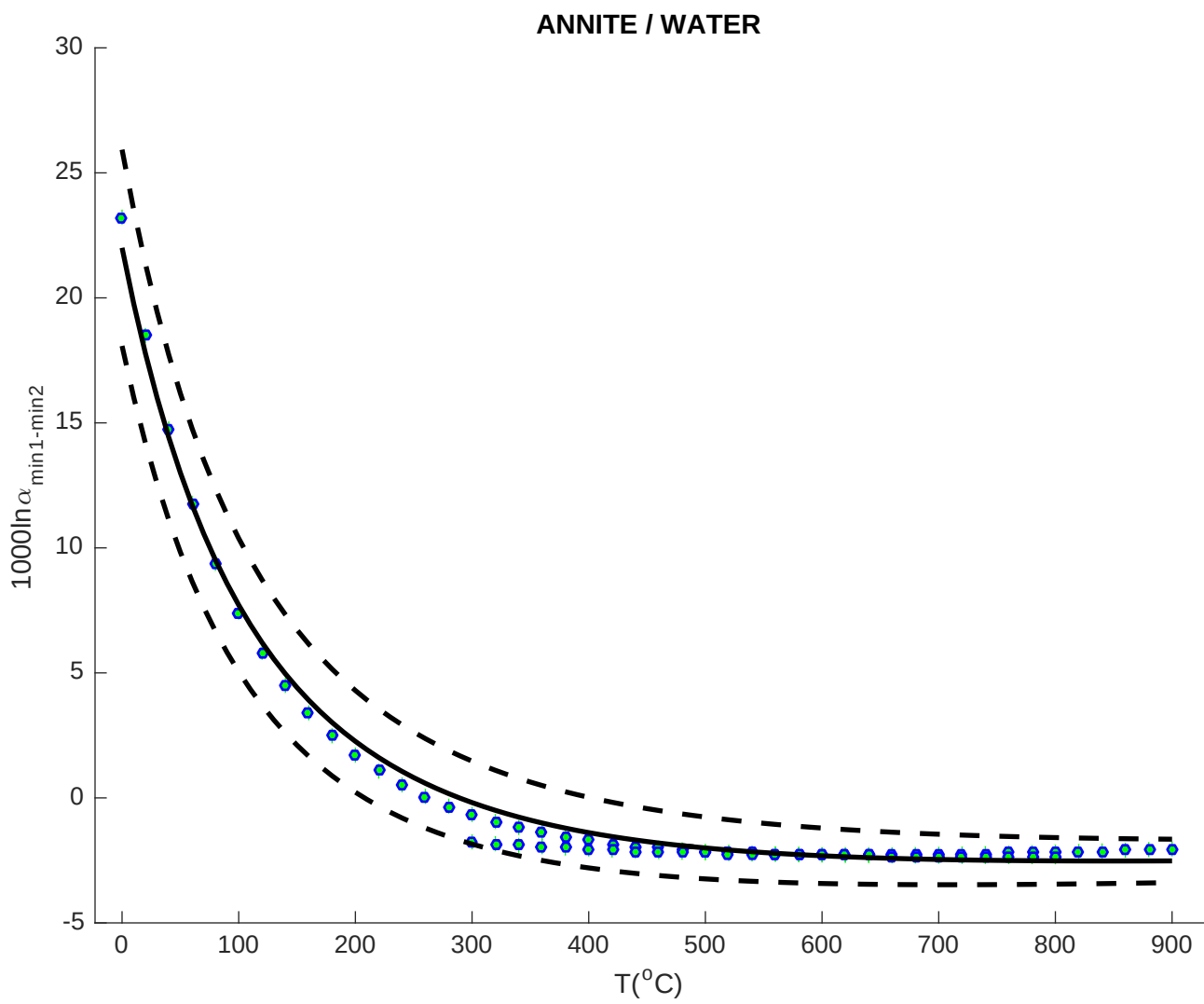


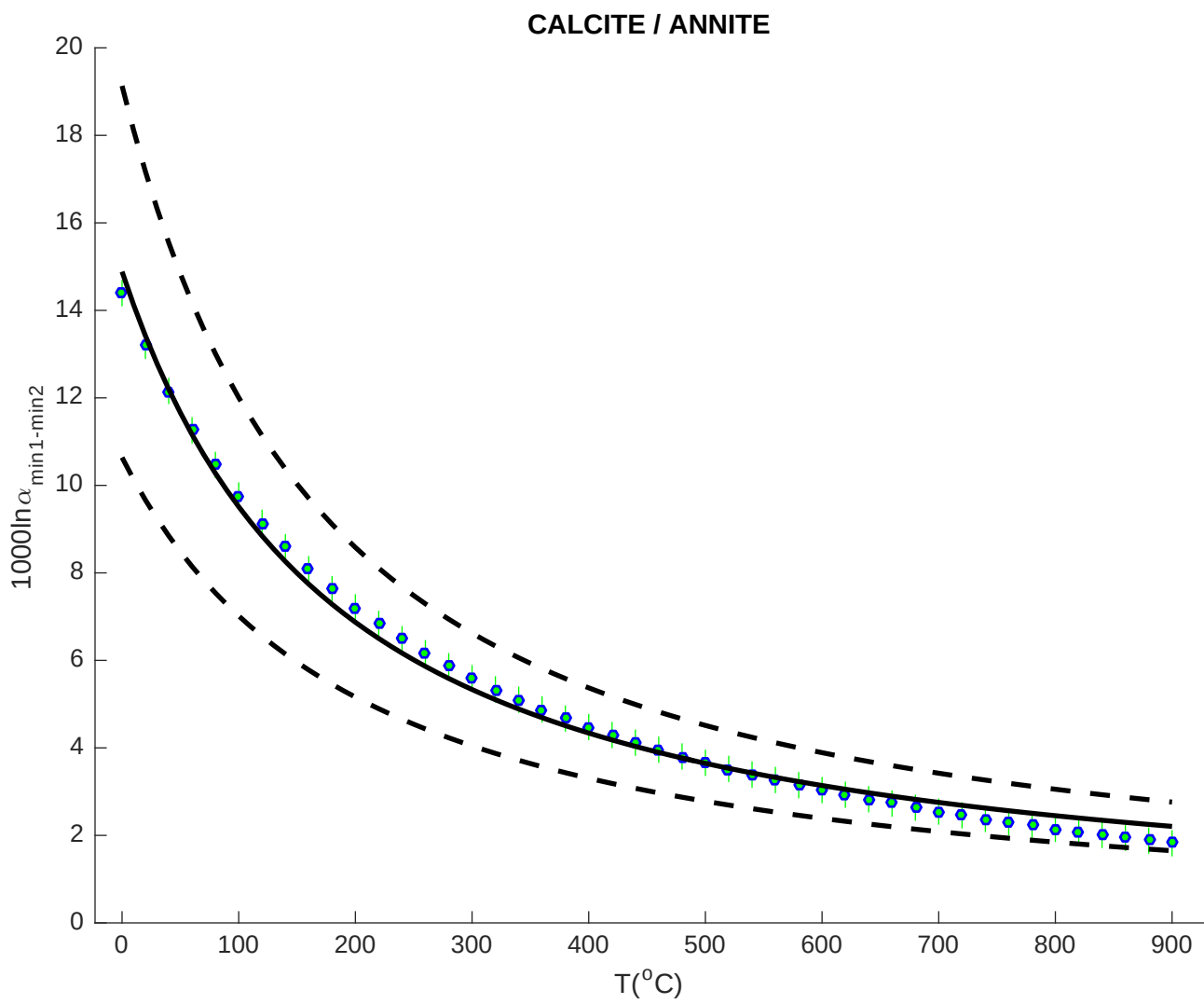


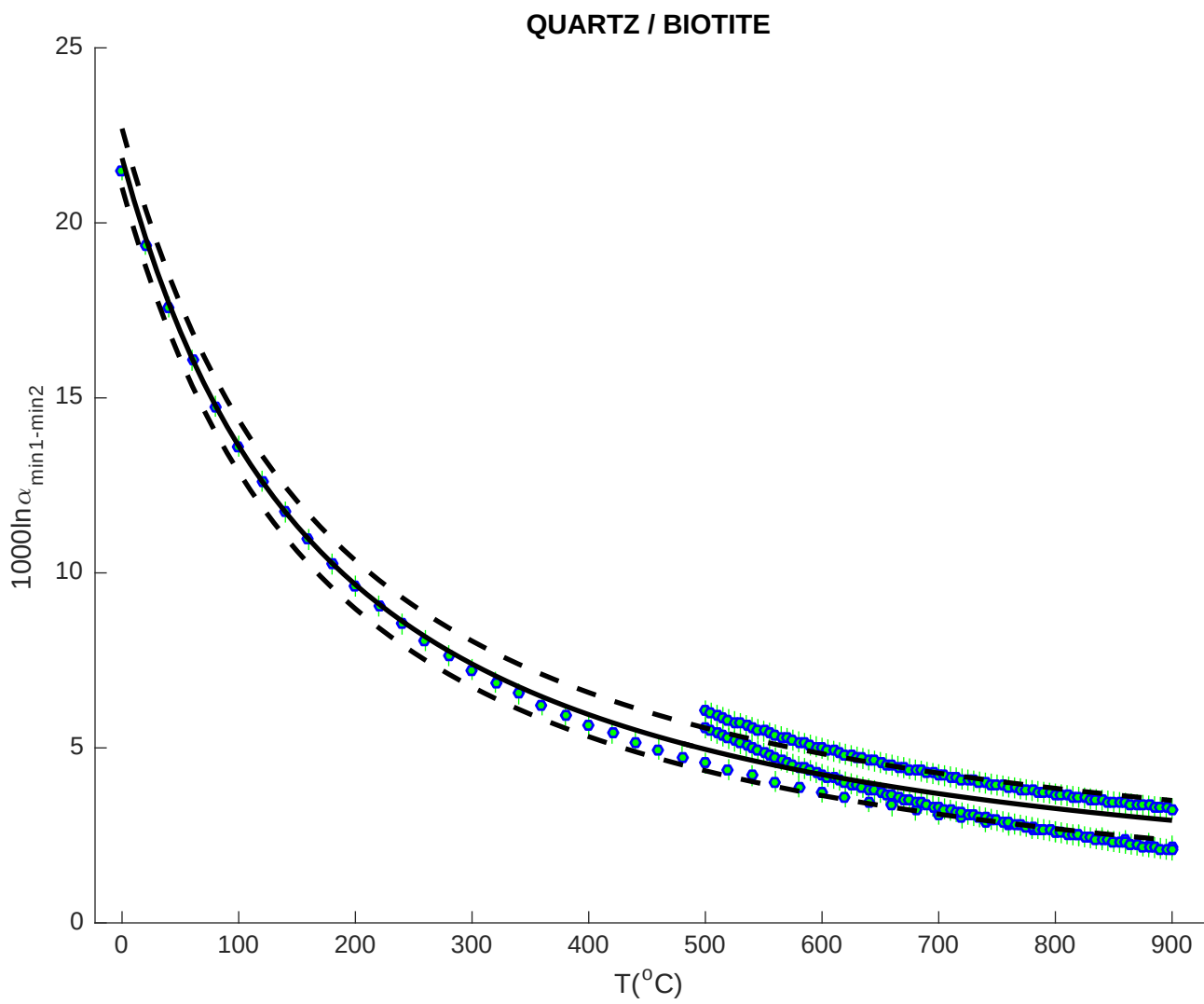


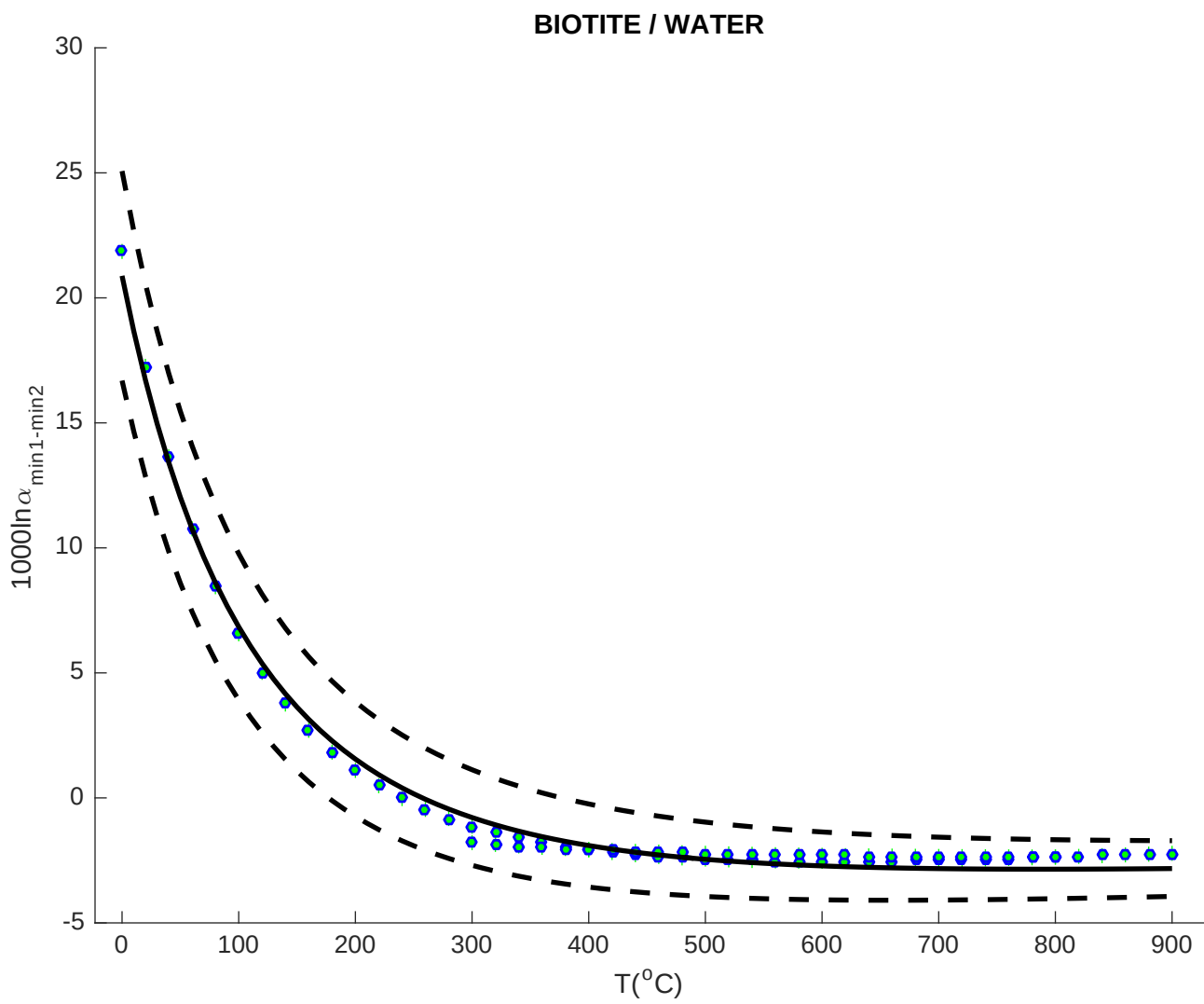


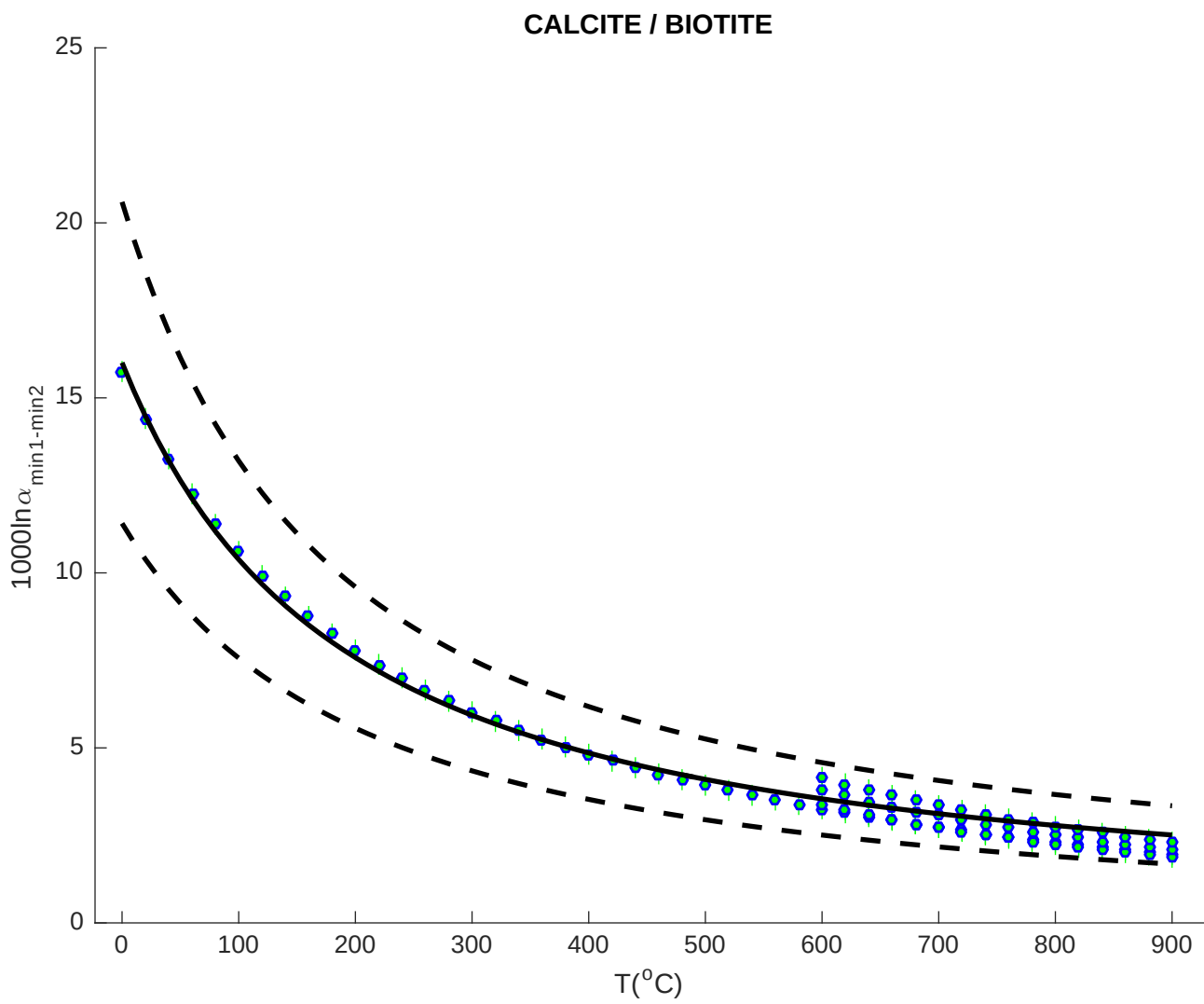


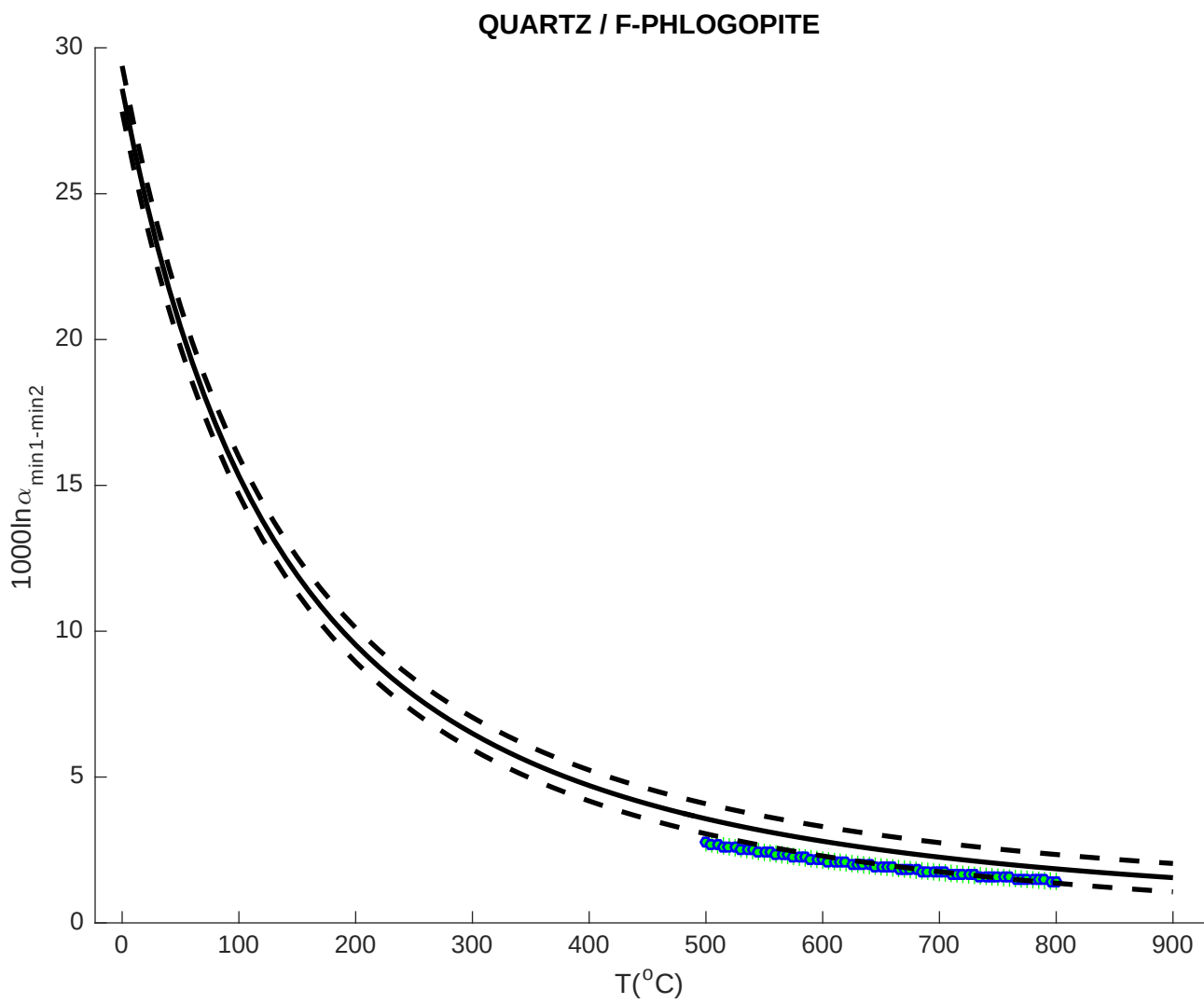




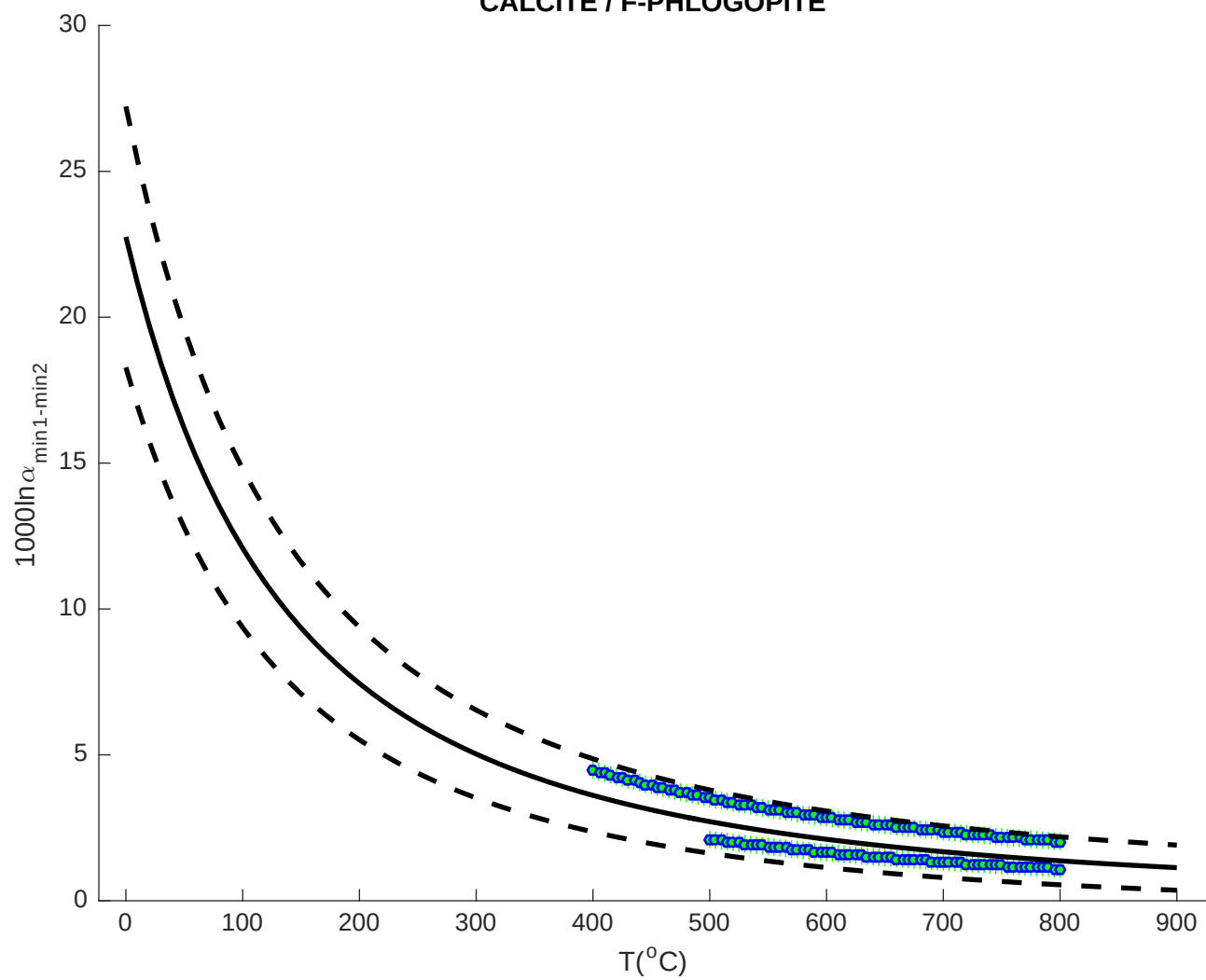


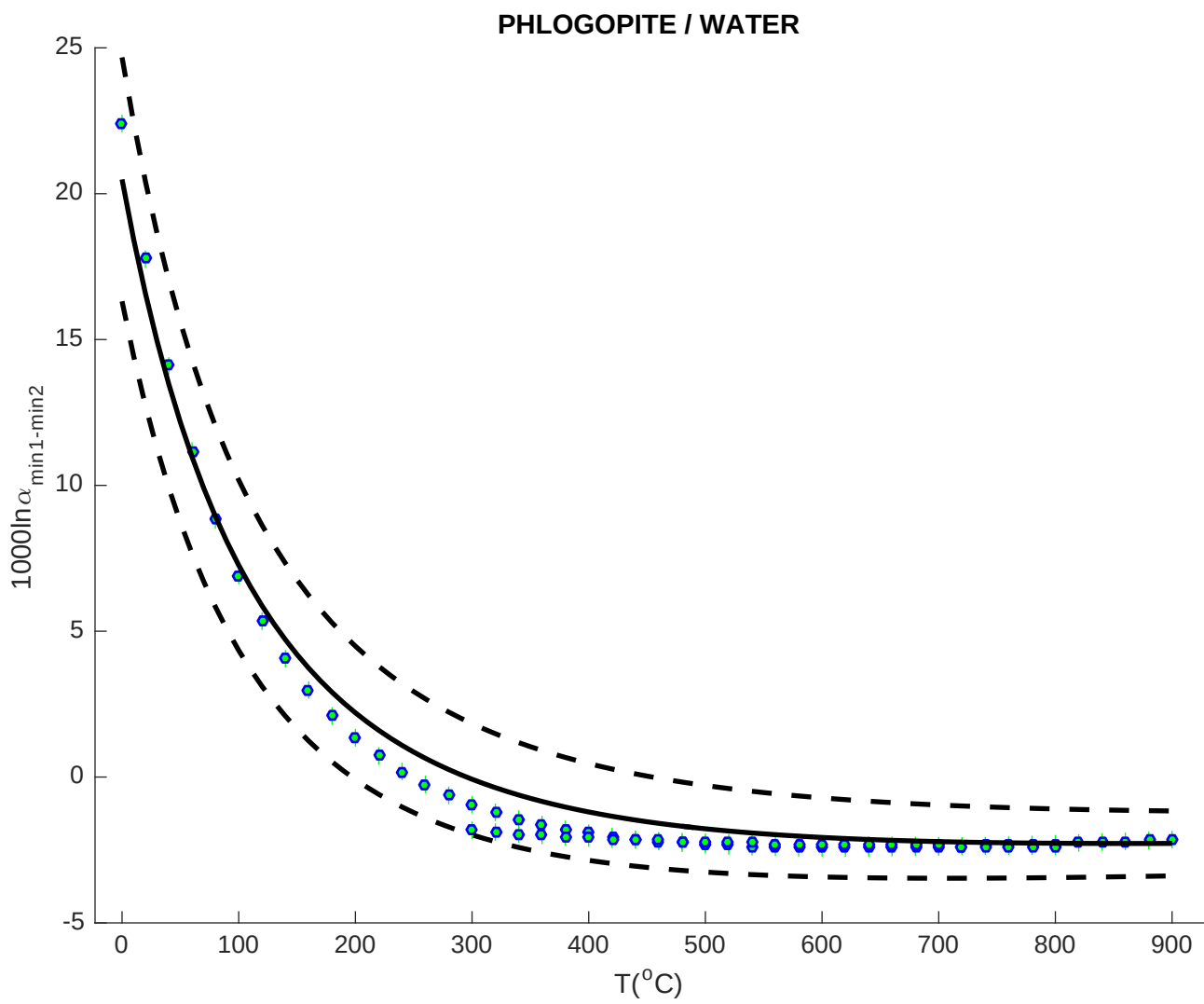


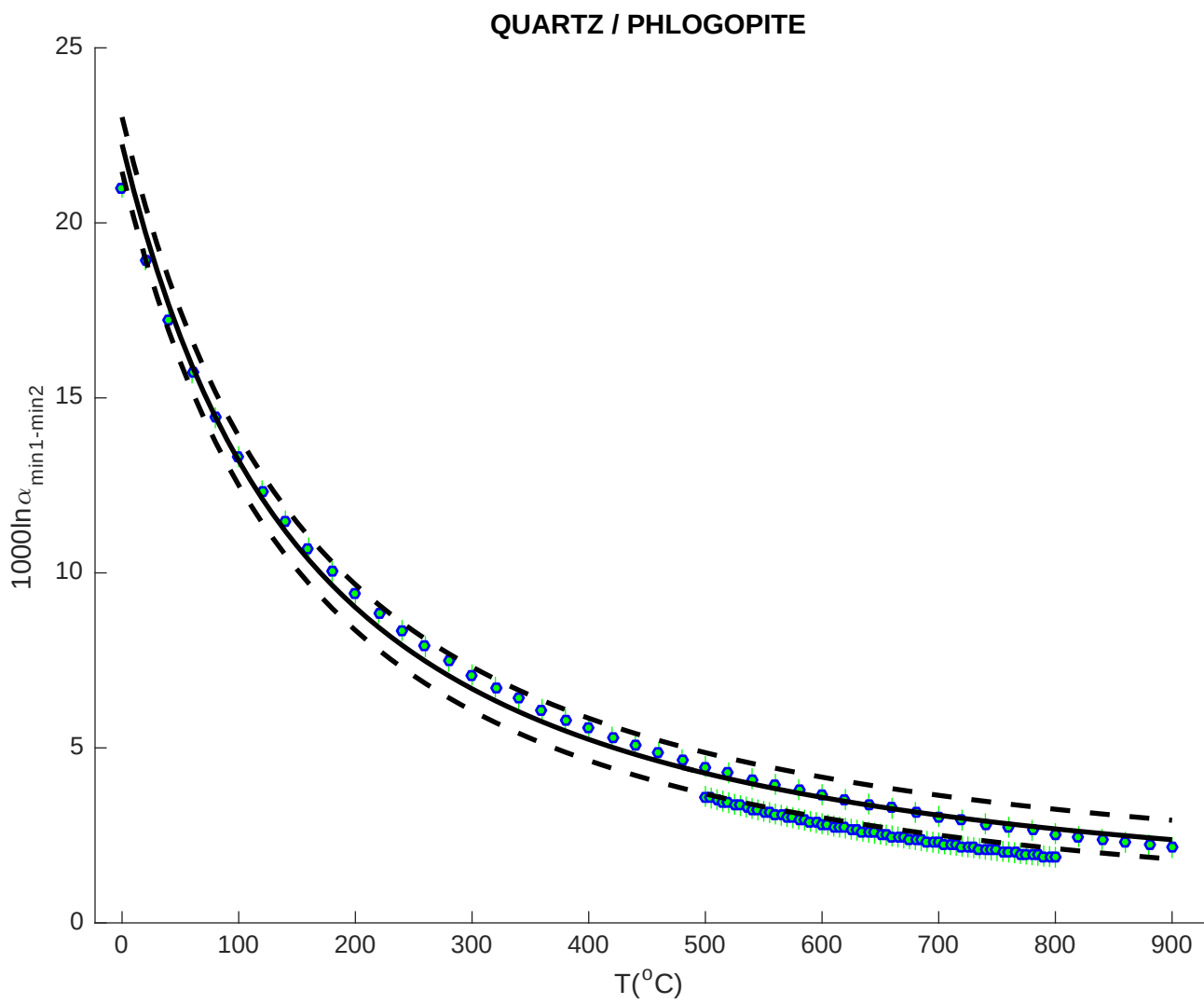




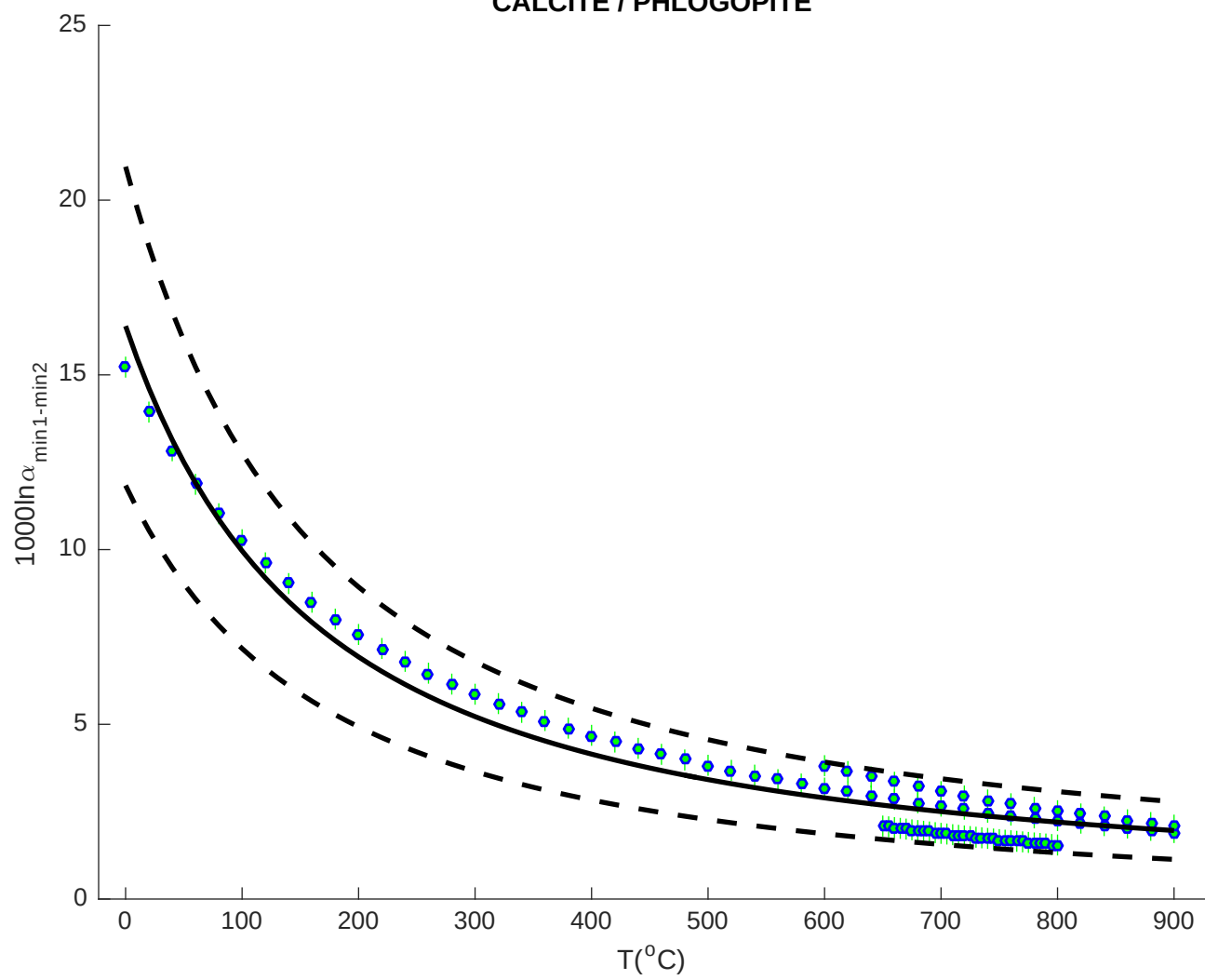
CALCITE / F-PHLOGOPITE



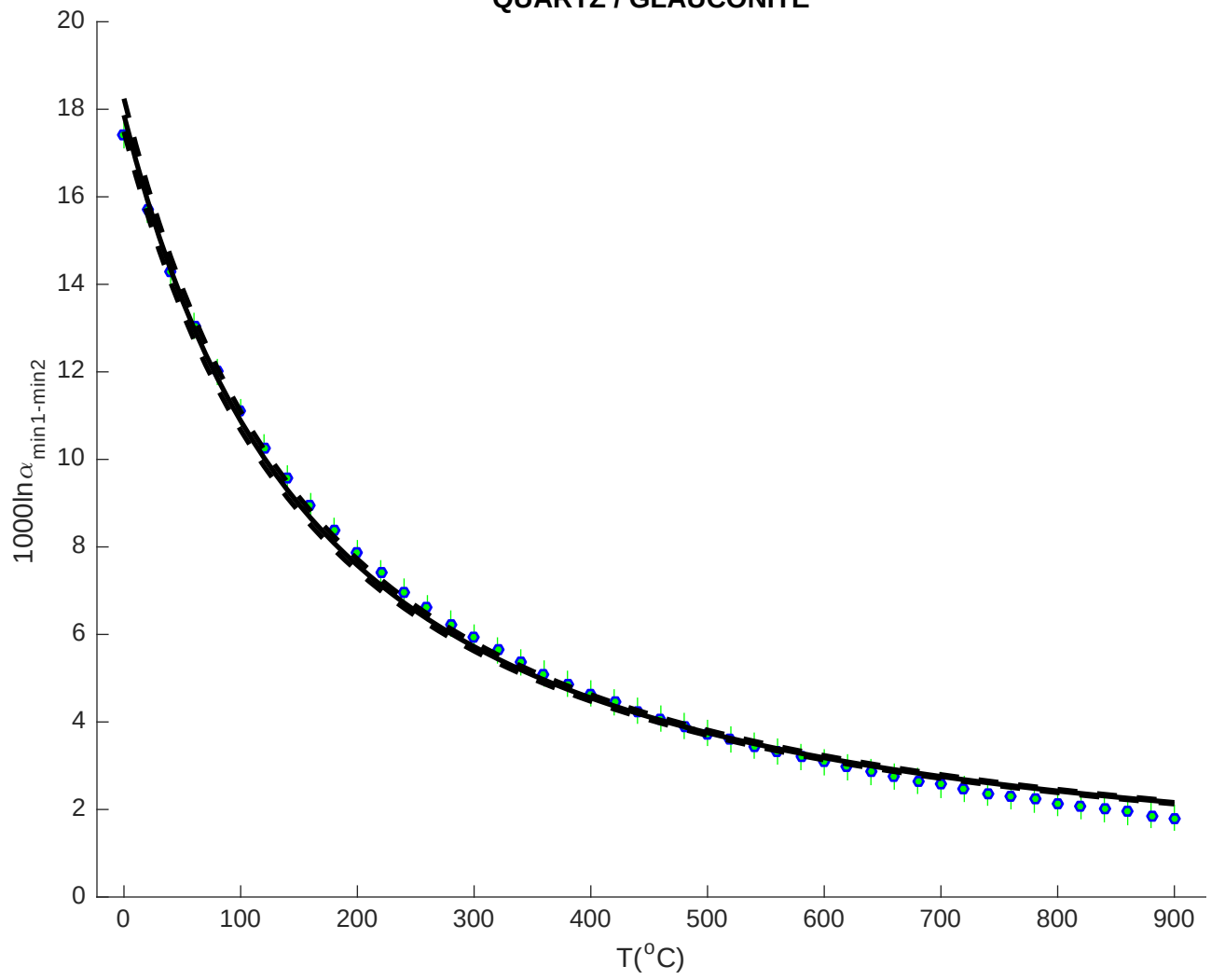


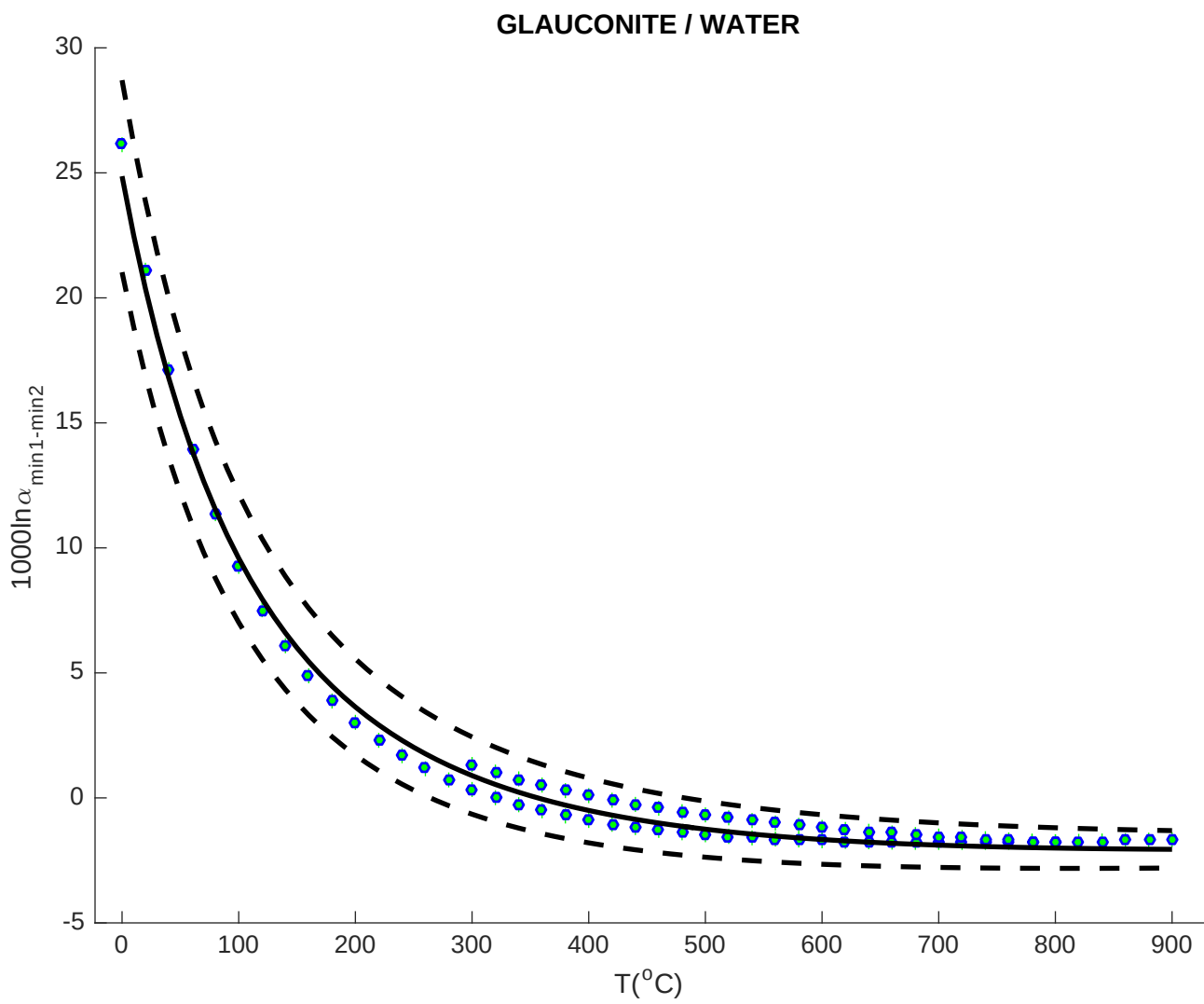


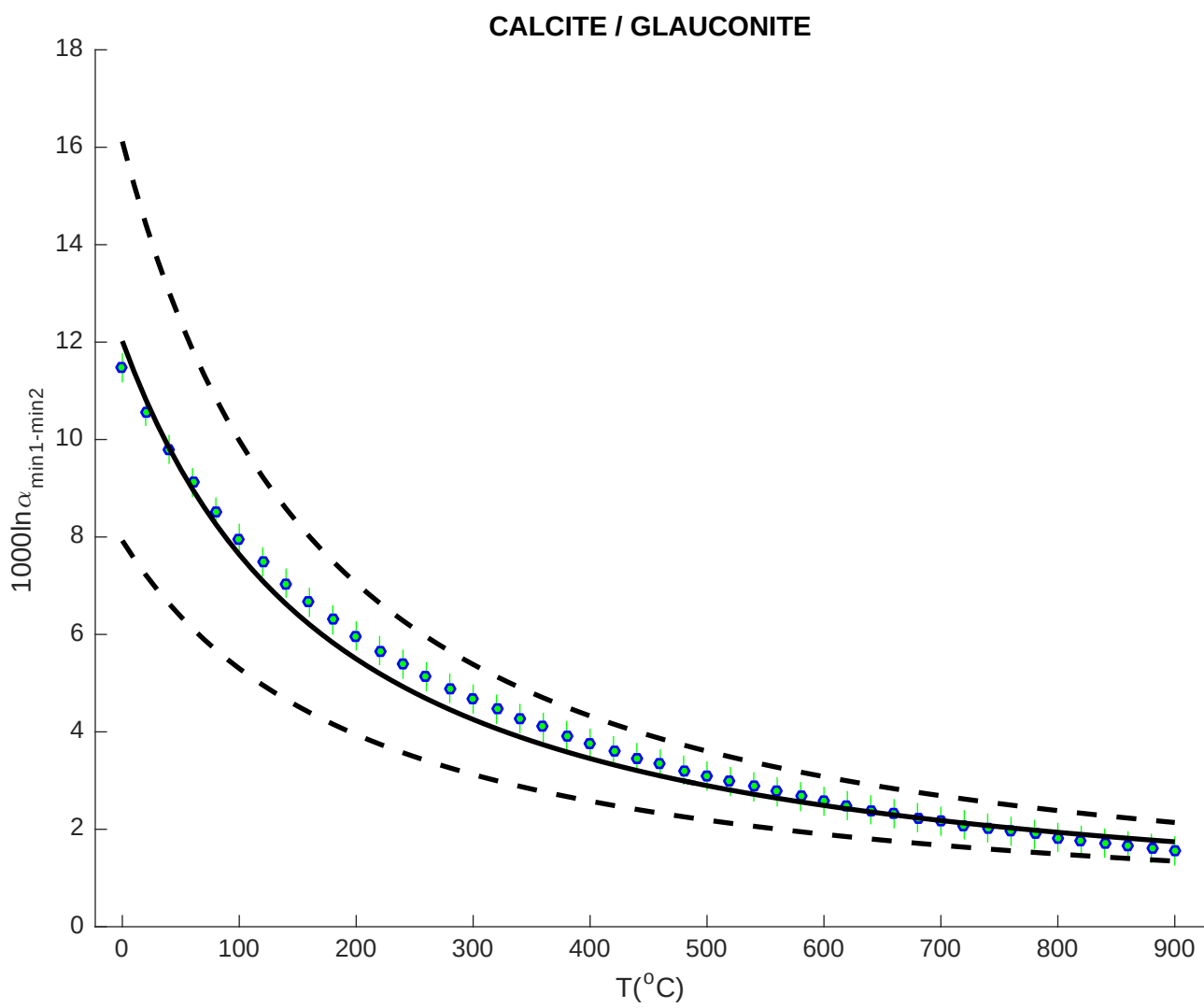
CALCITE / PHLOGOPITE

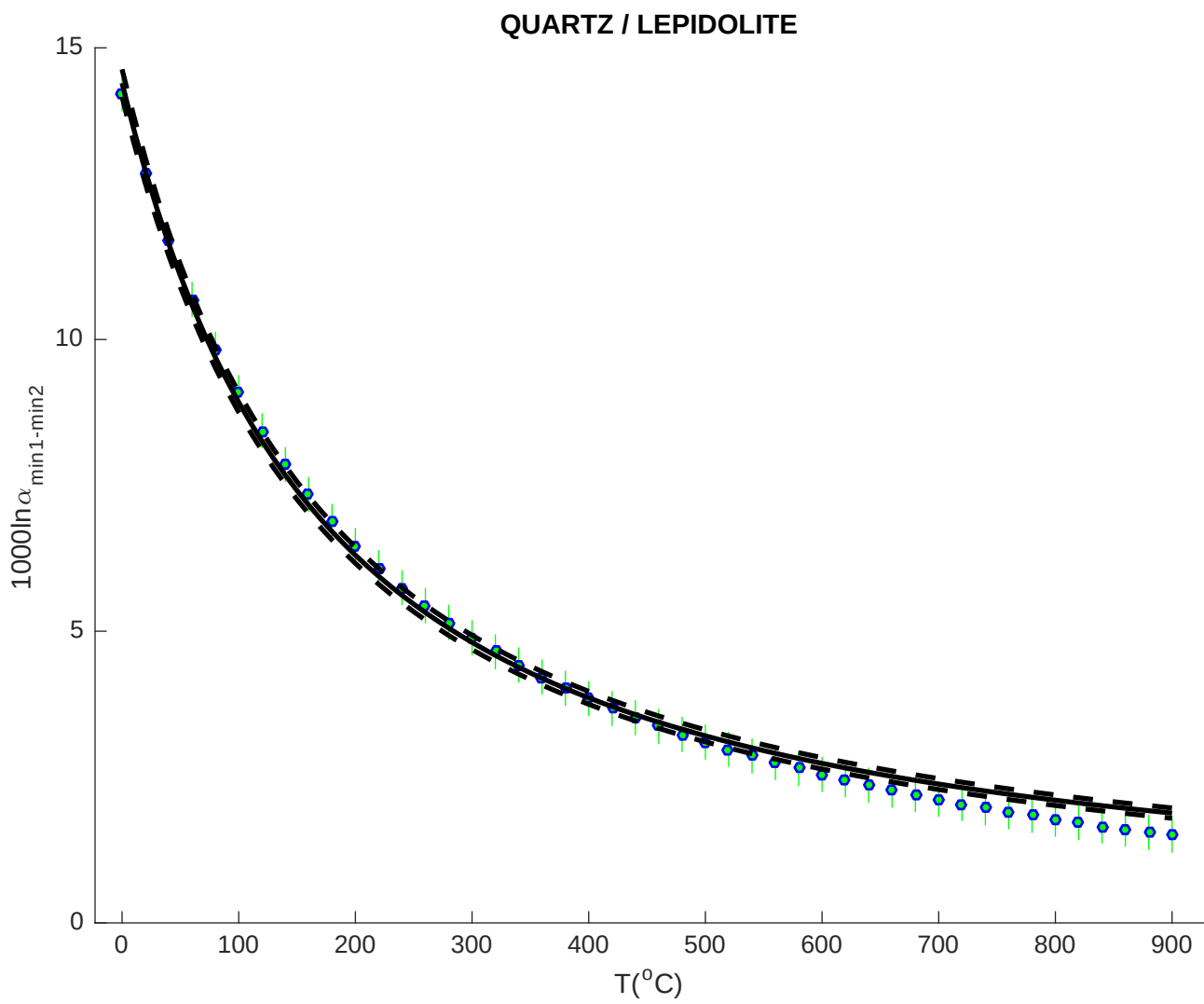


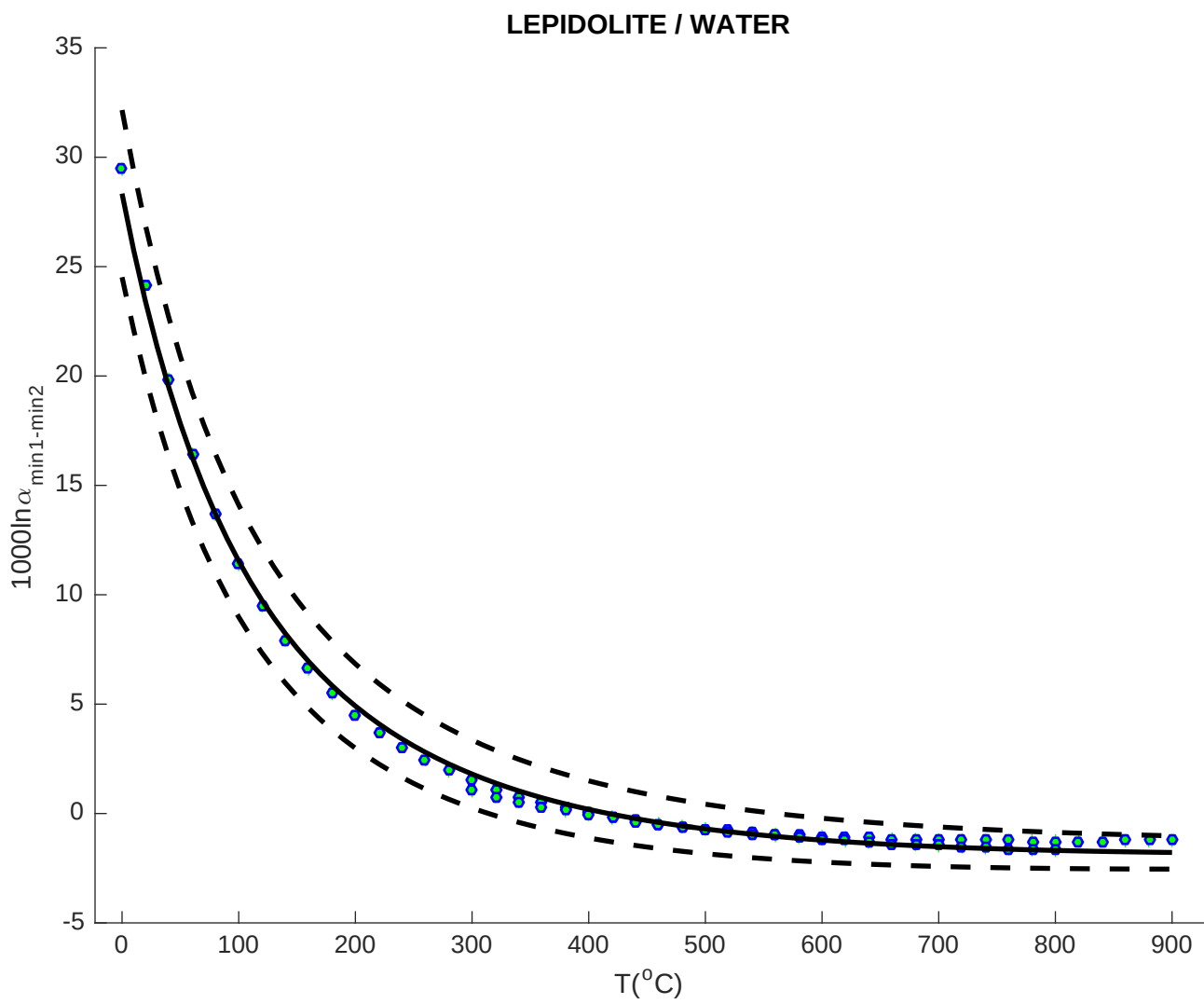
QUARTZ / GLAUCONITE



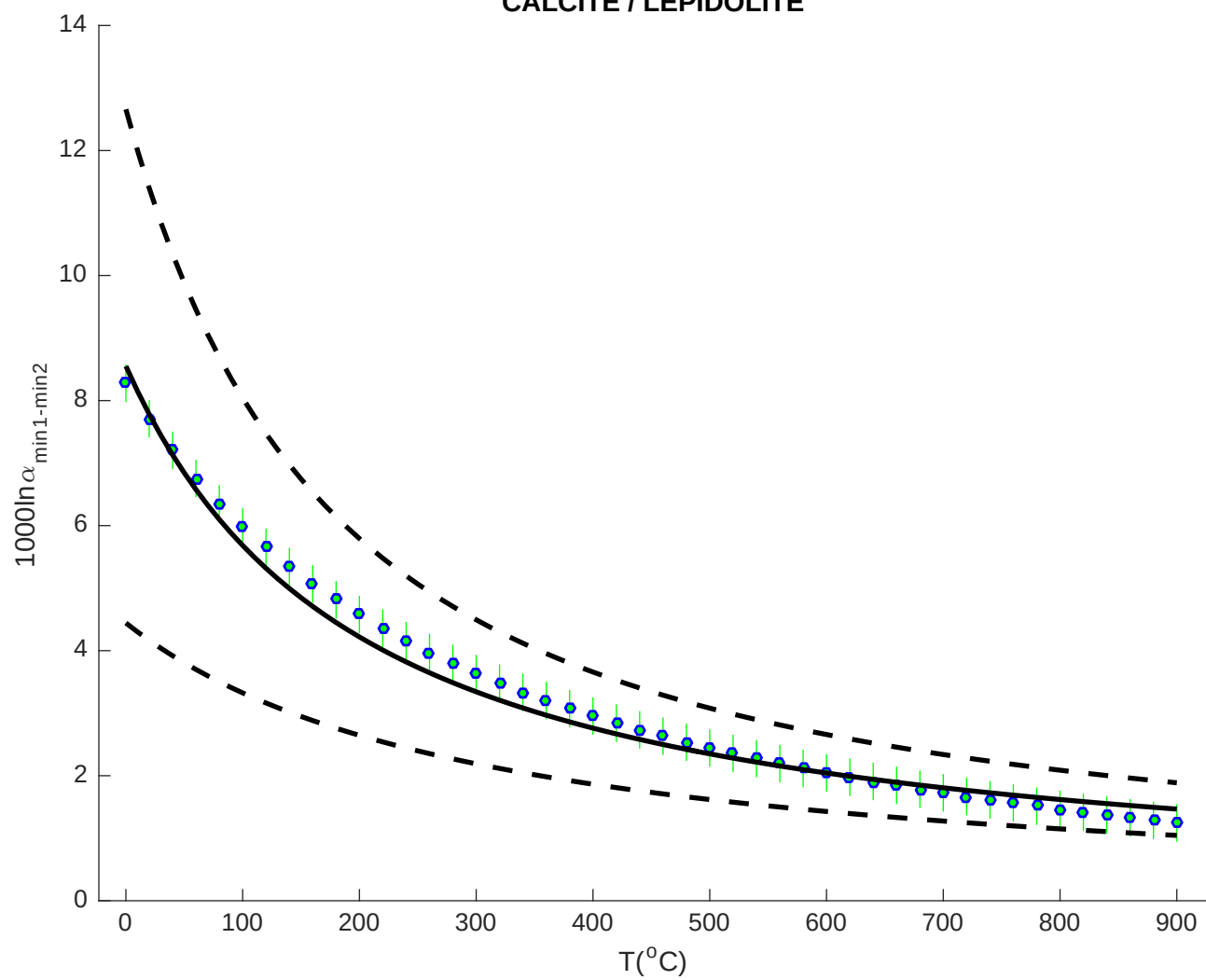


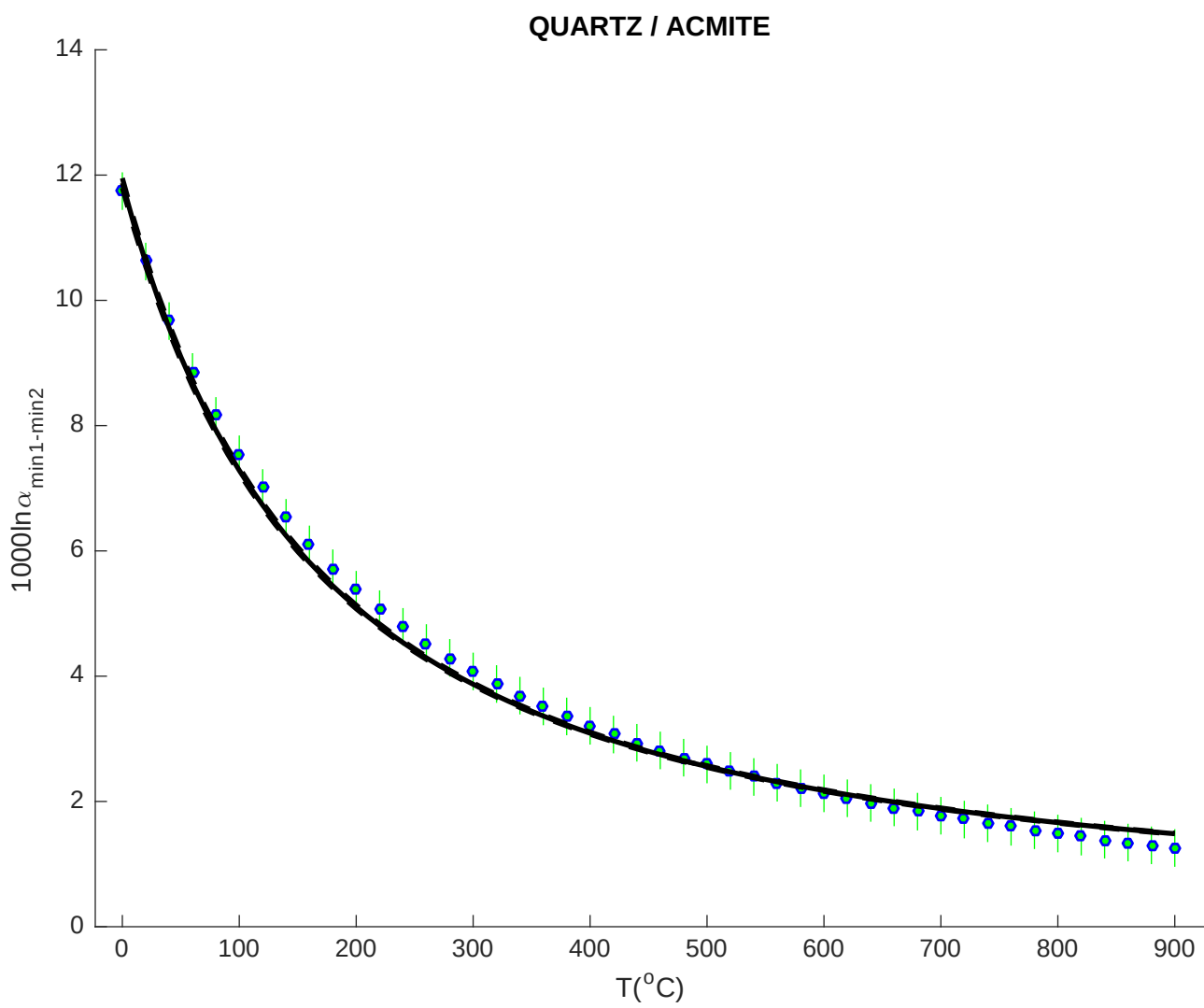


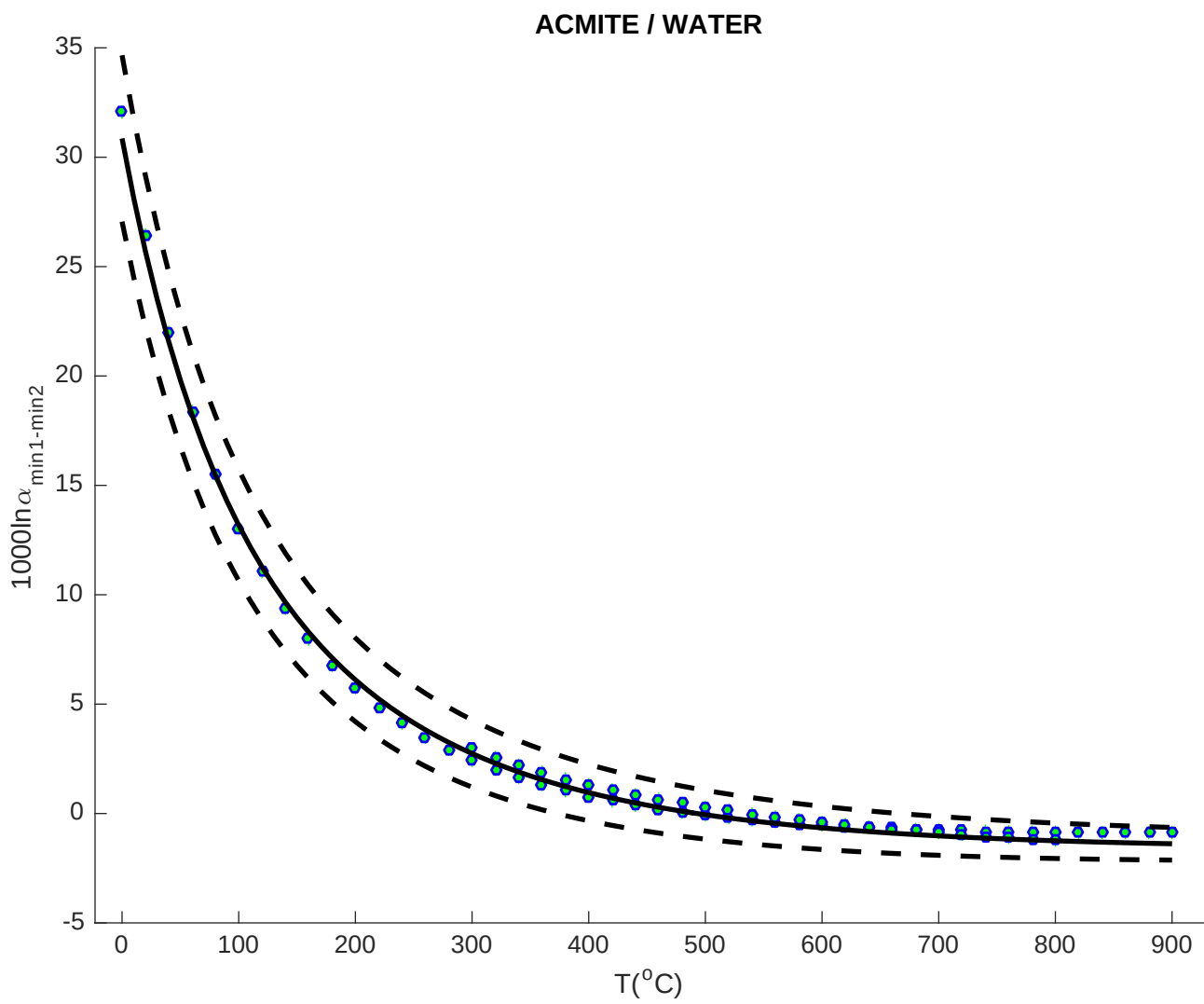


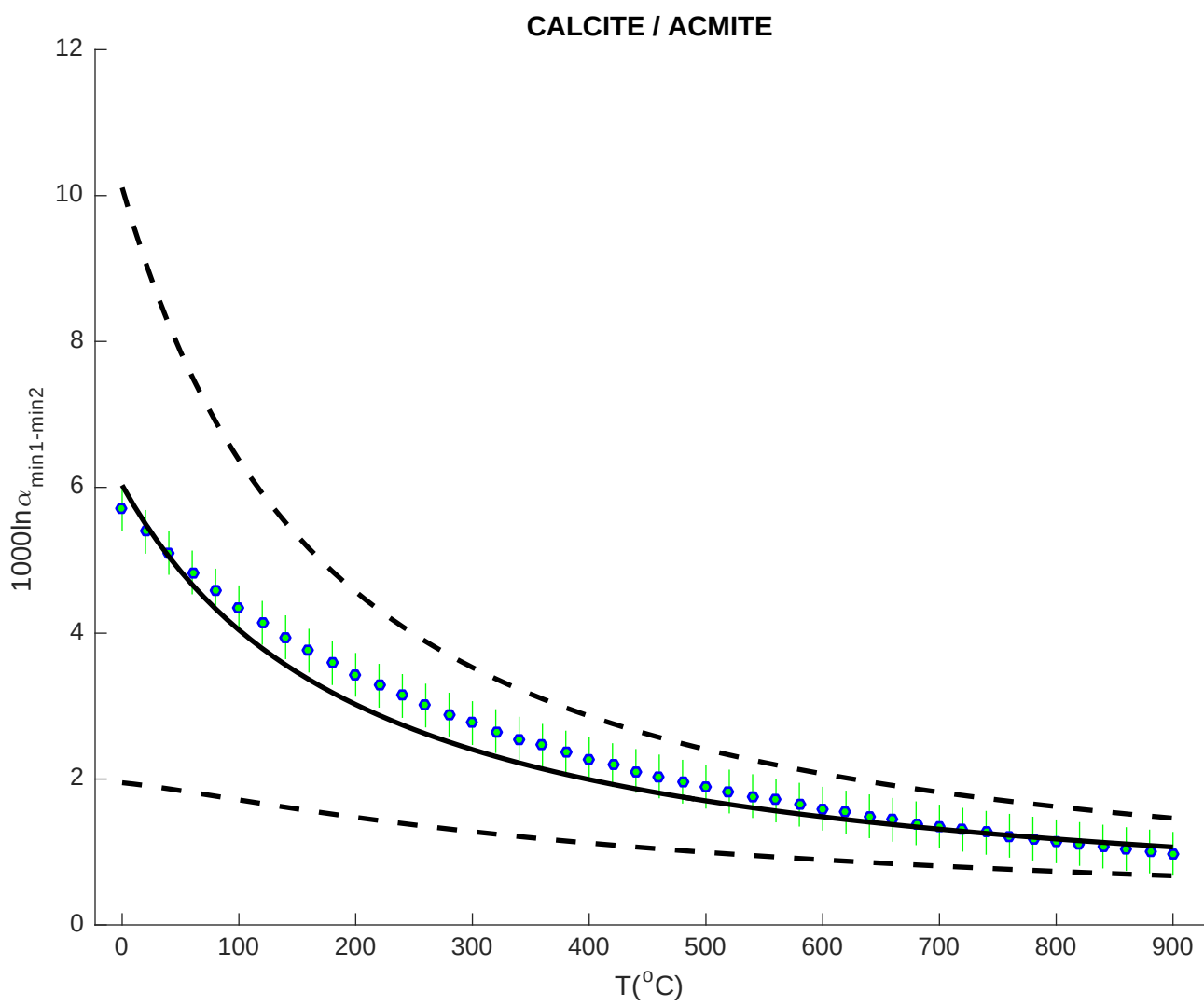


CALCITE / LEPIDOLITE

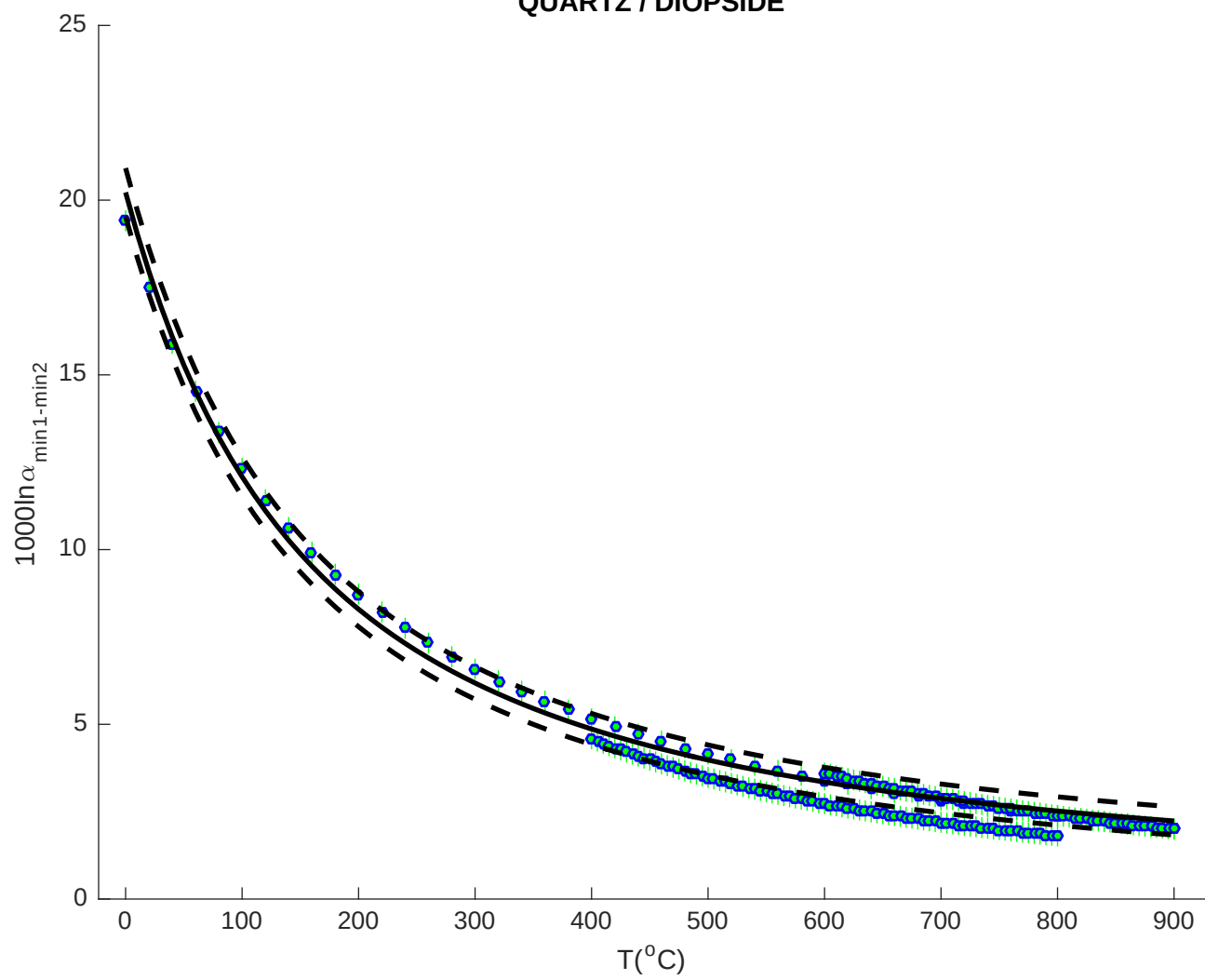


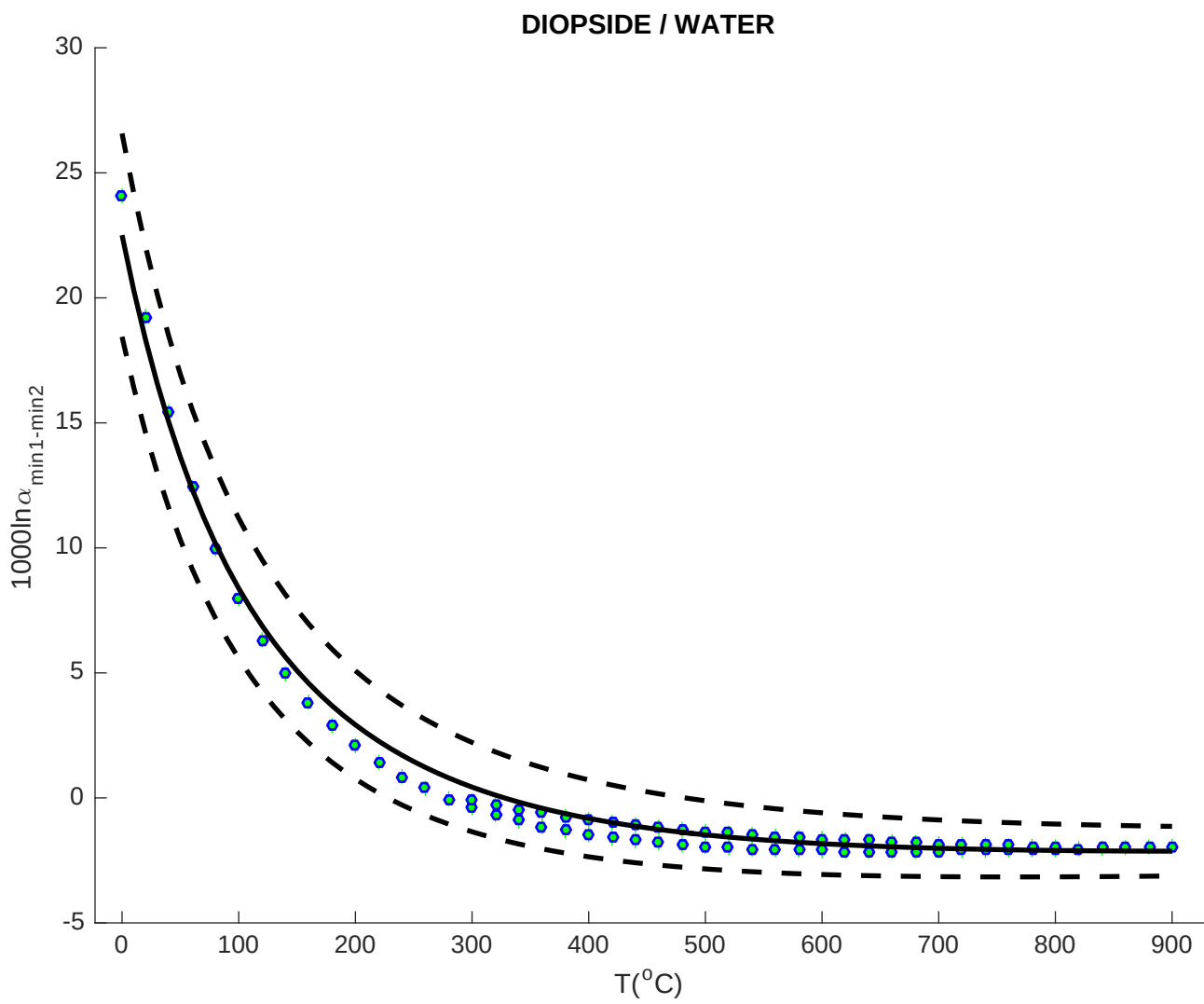


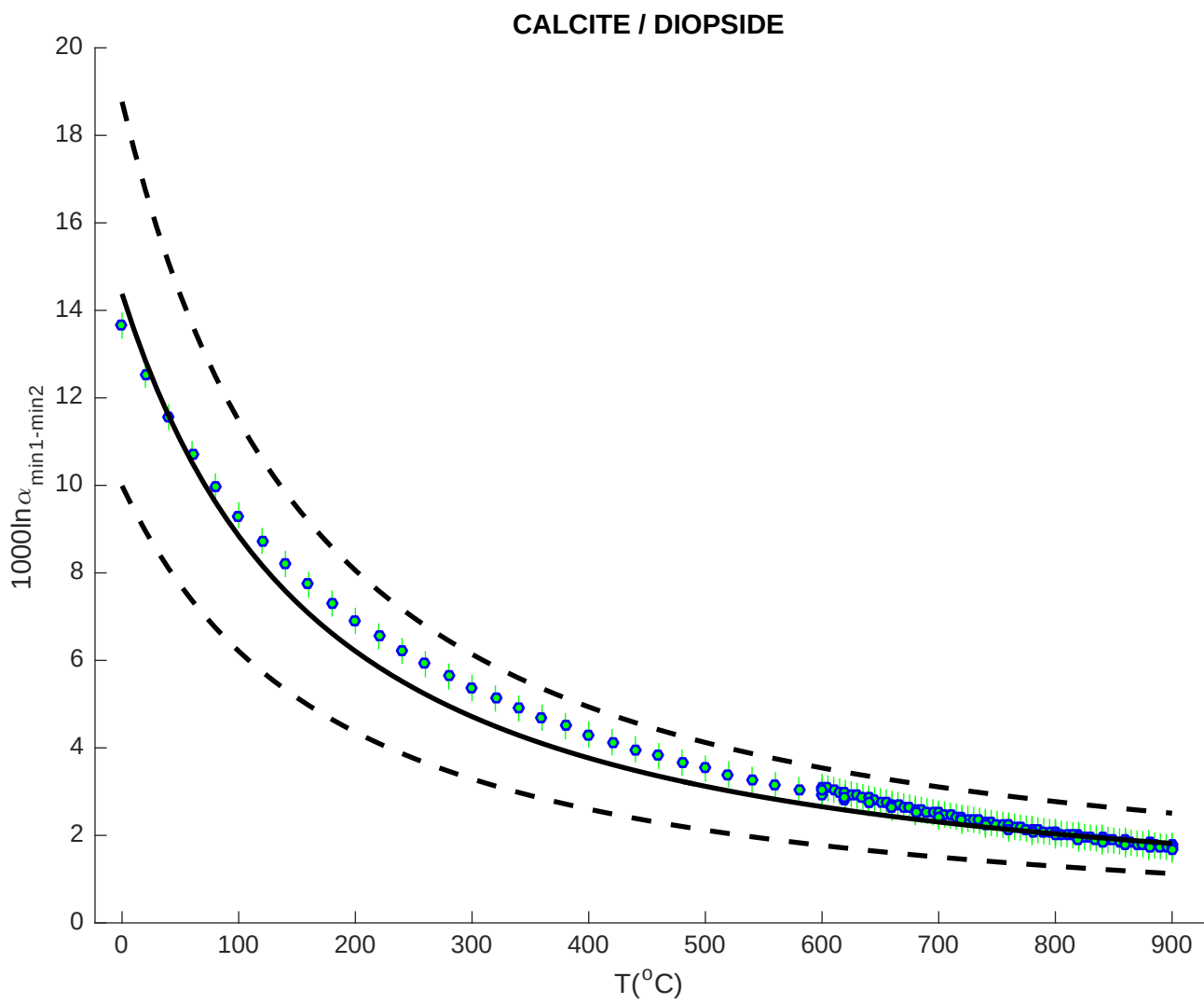


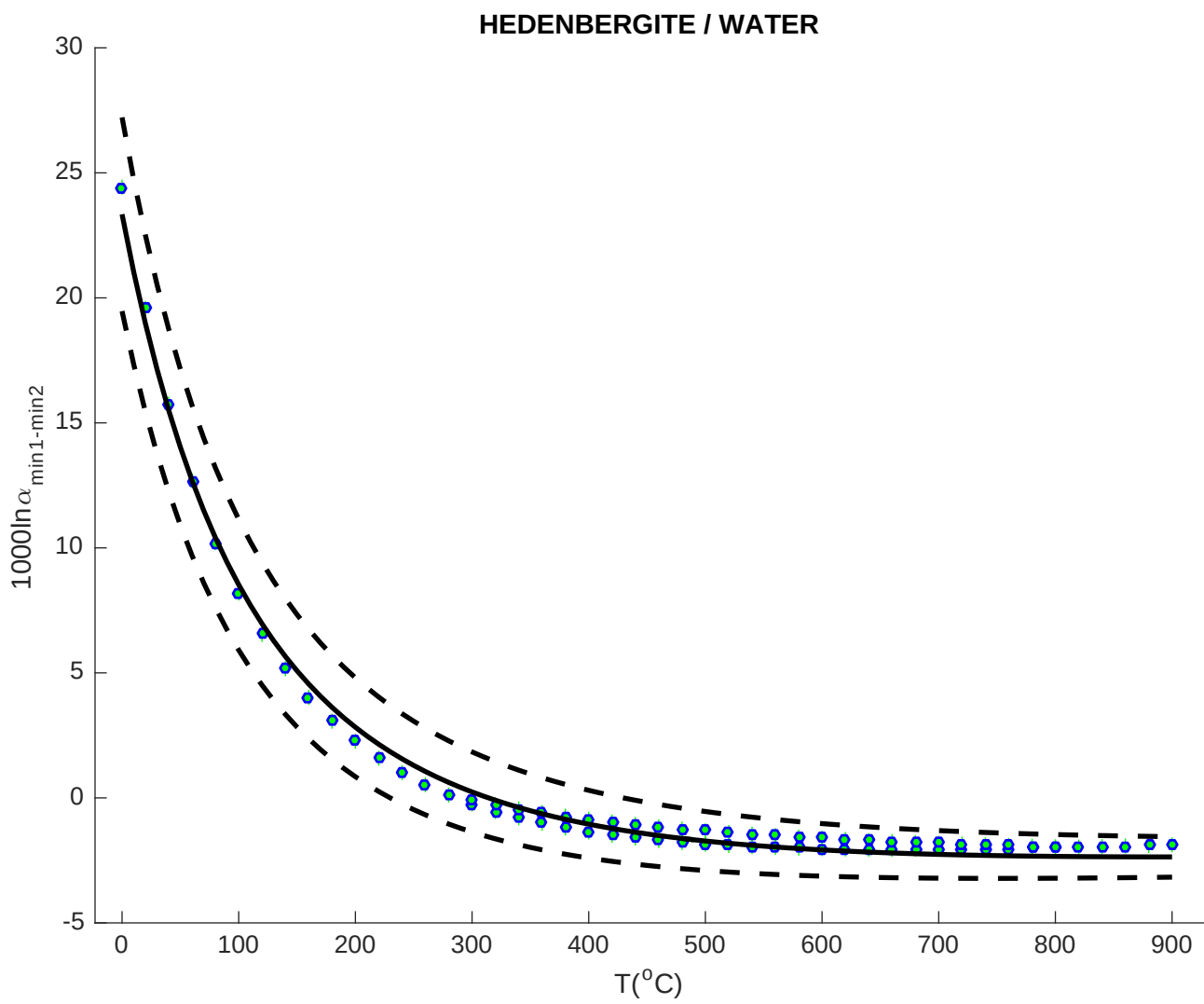


QUARTZ / DIOPSIDE

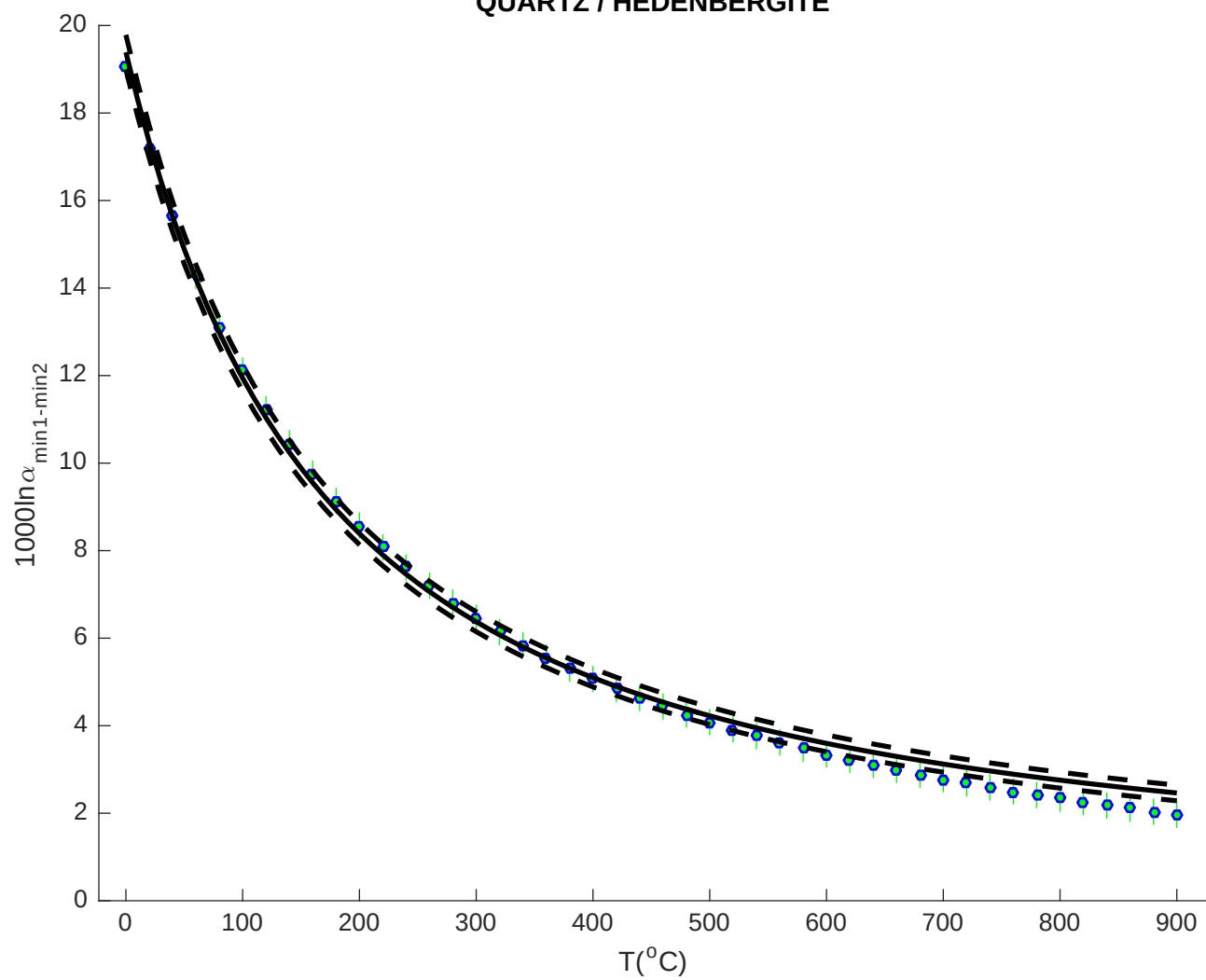




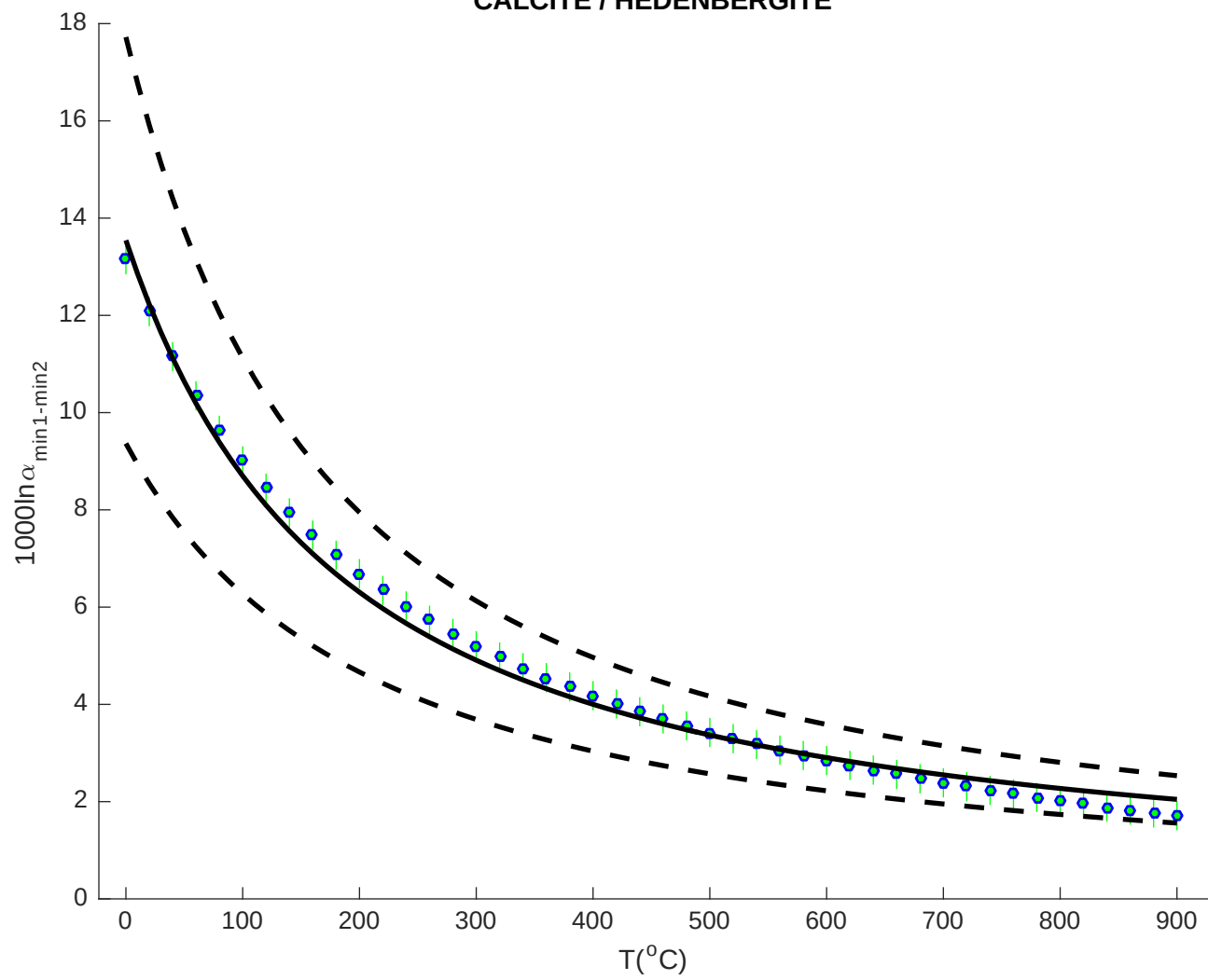


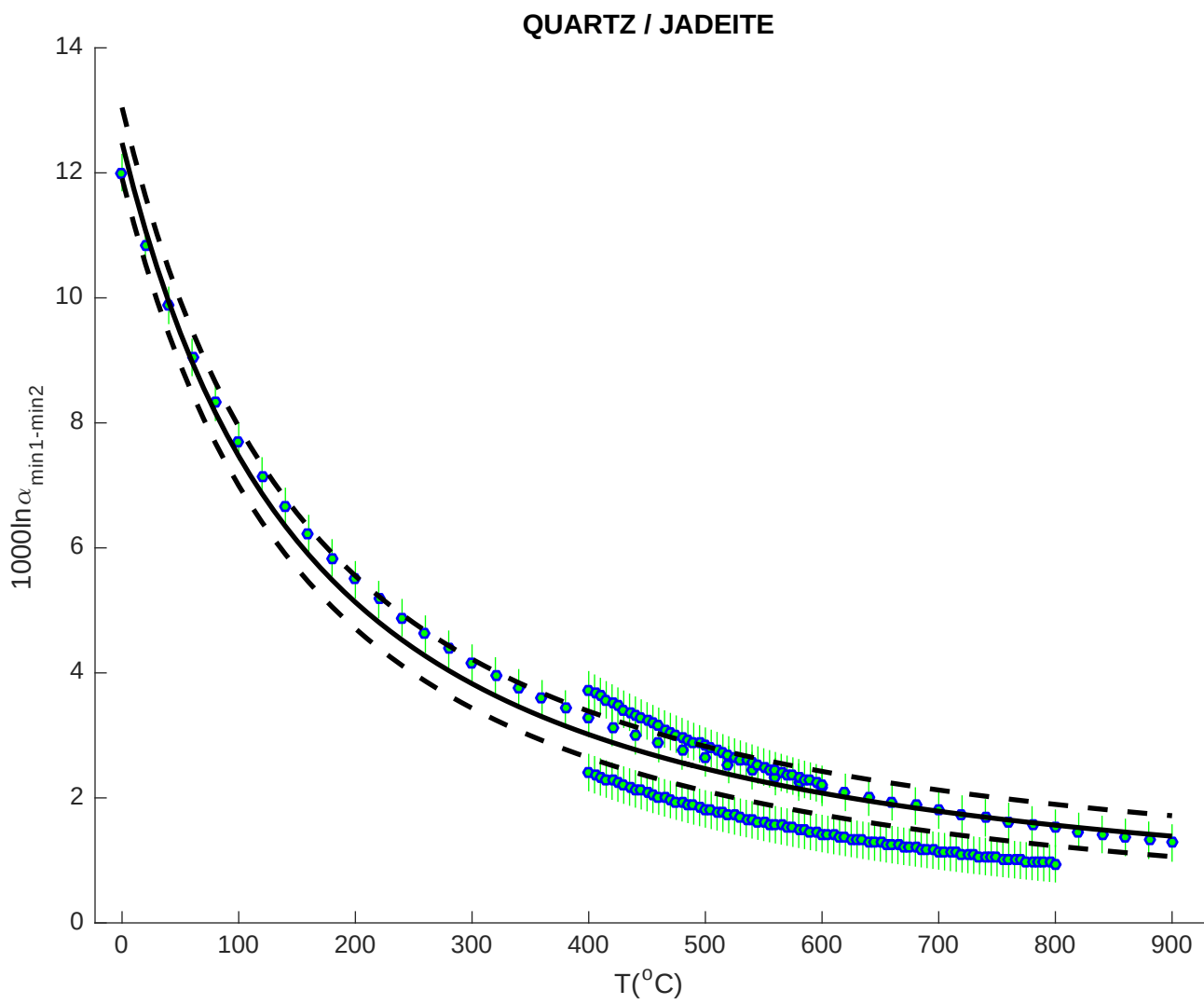


QUARTZ / HEDENBERGITE

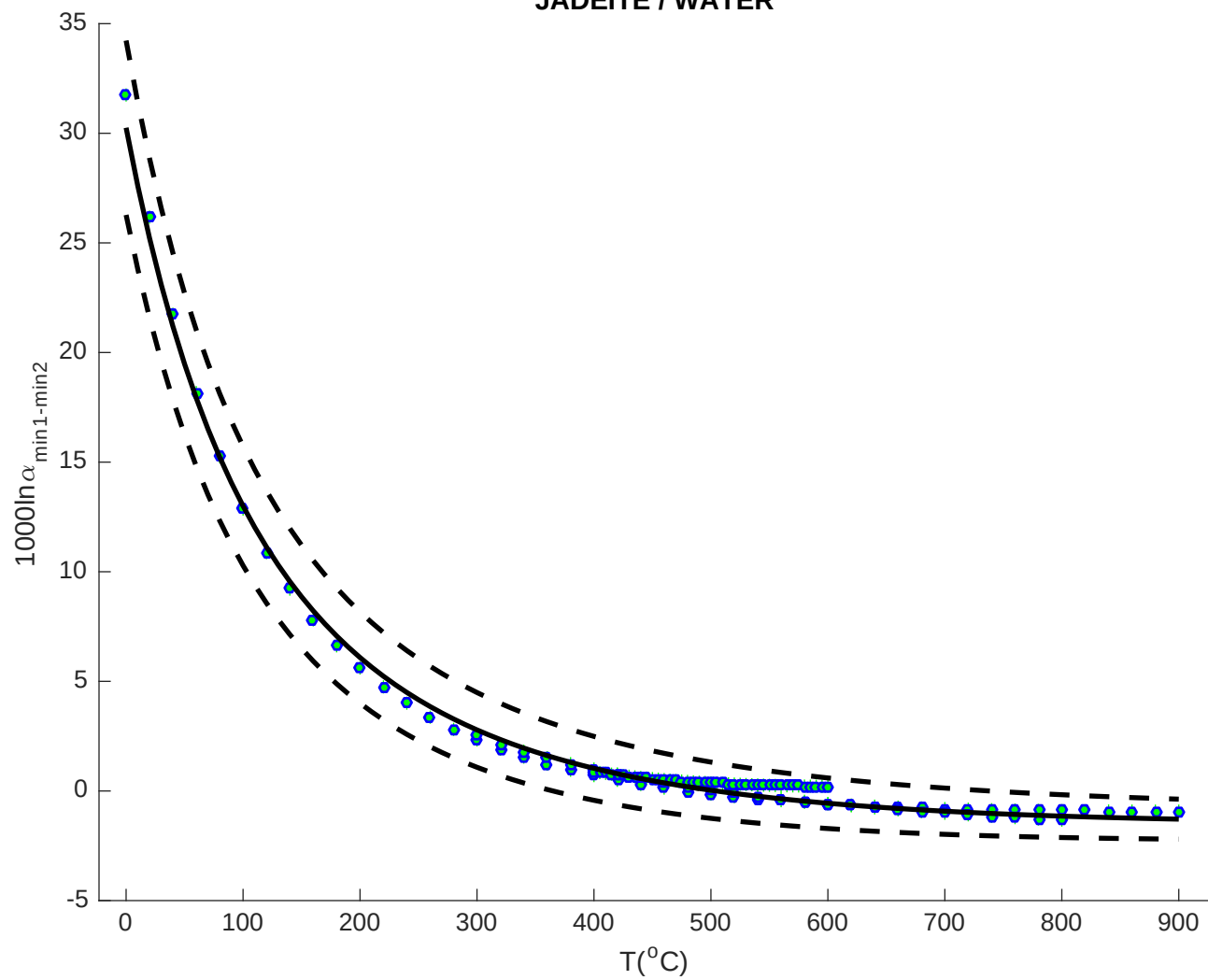


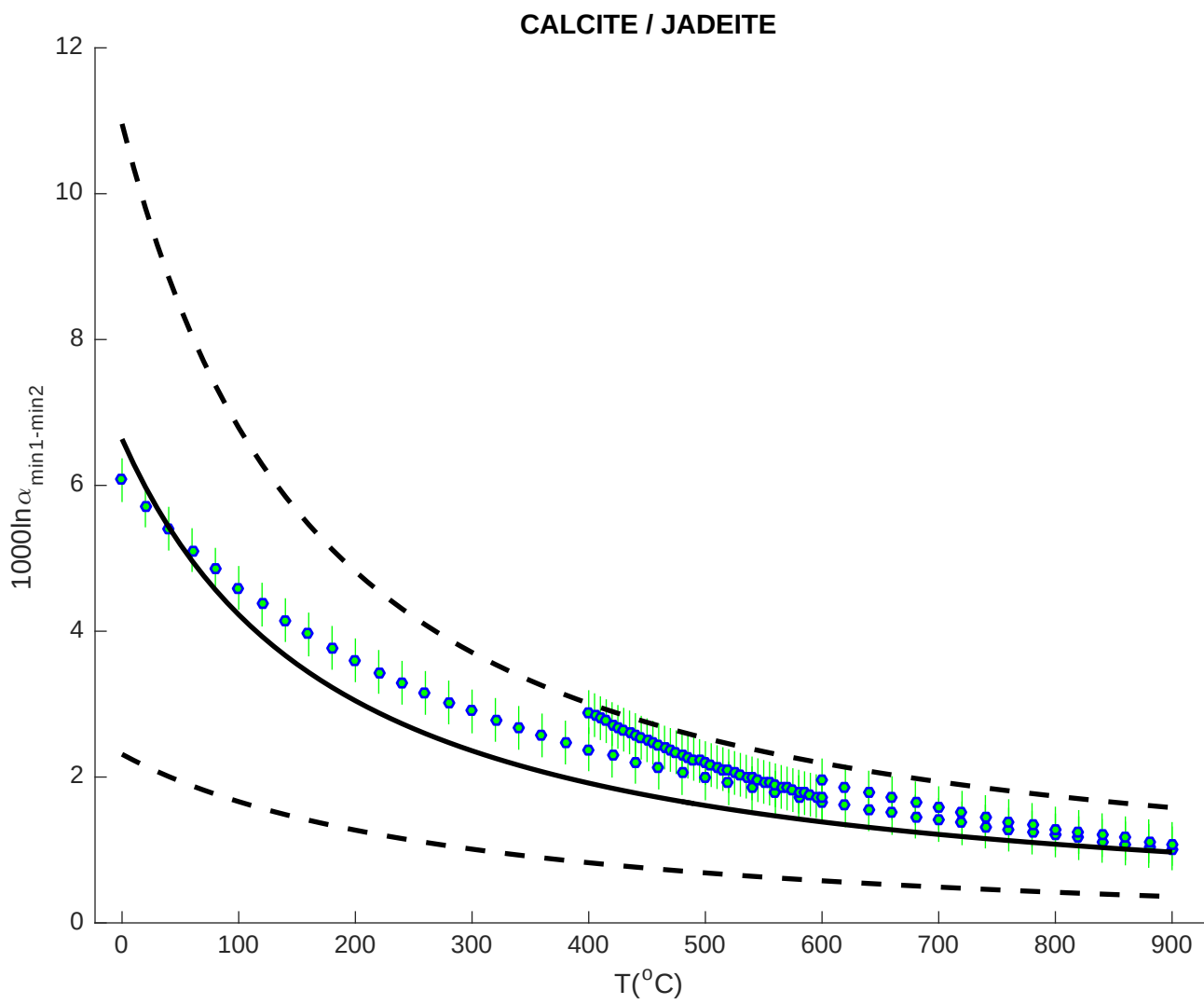
CALCITE / HEDENBERGITE

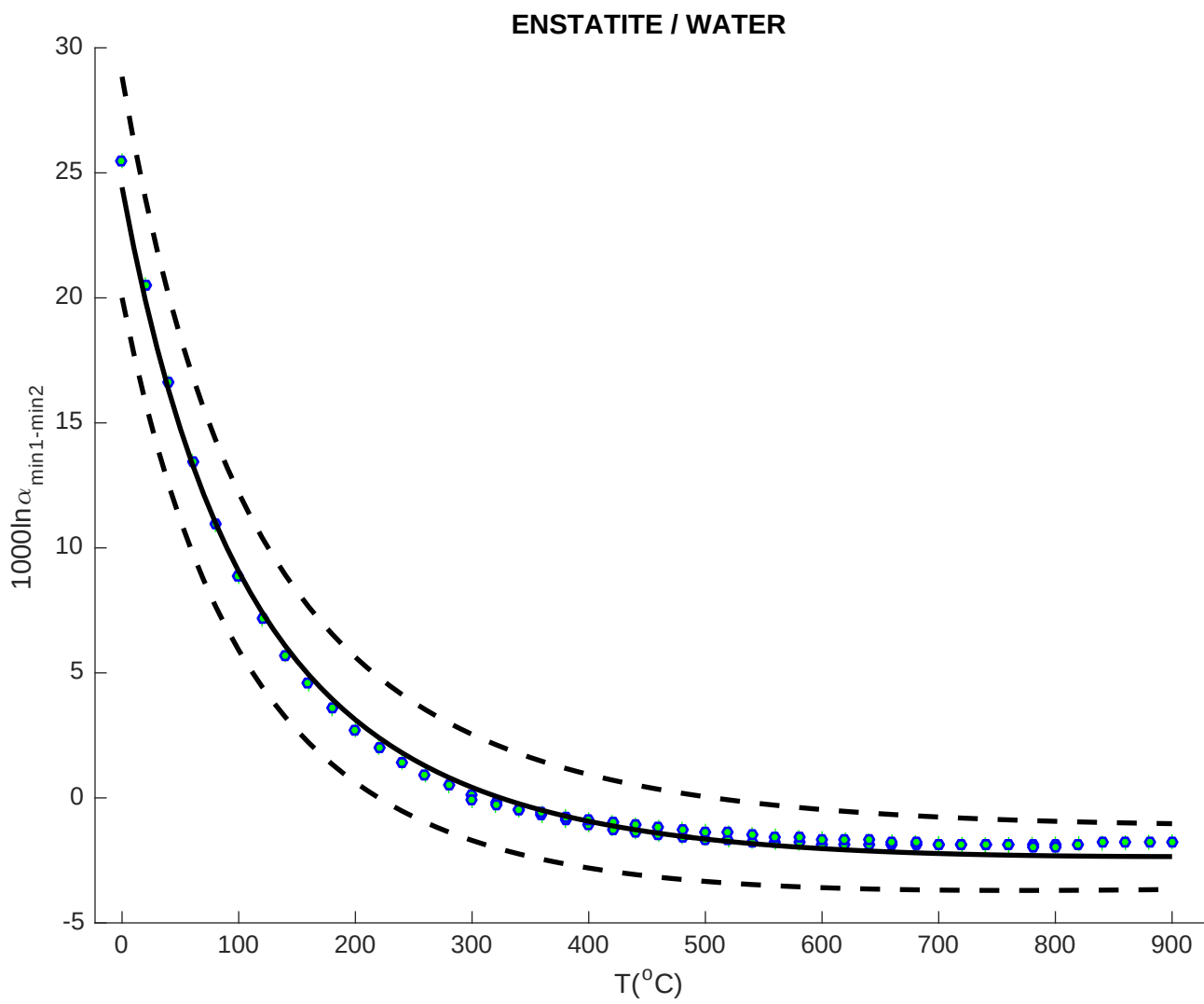


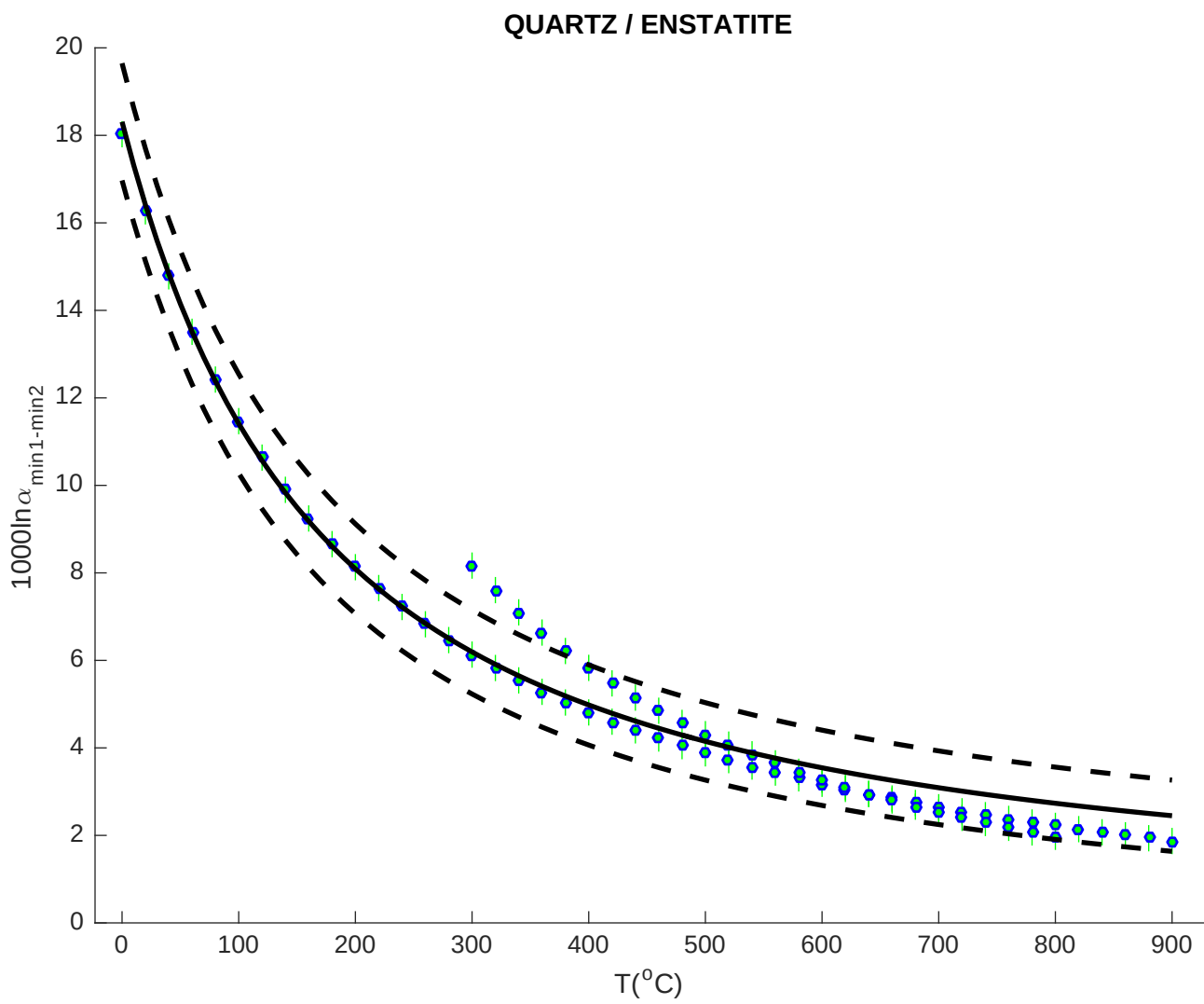


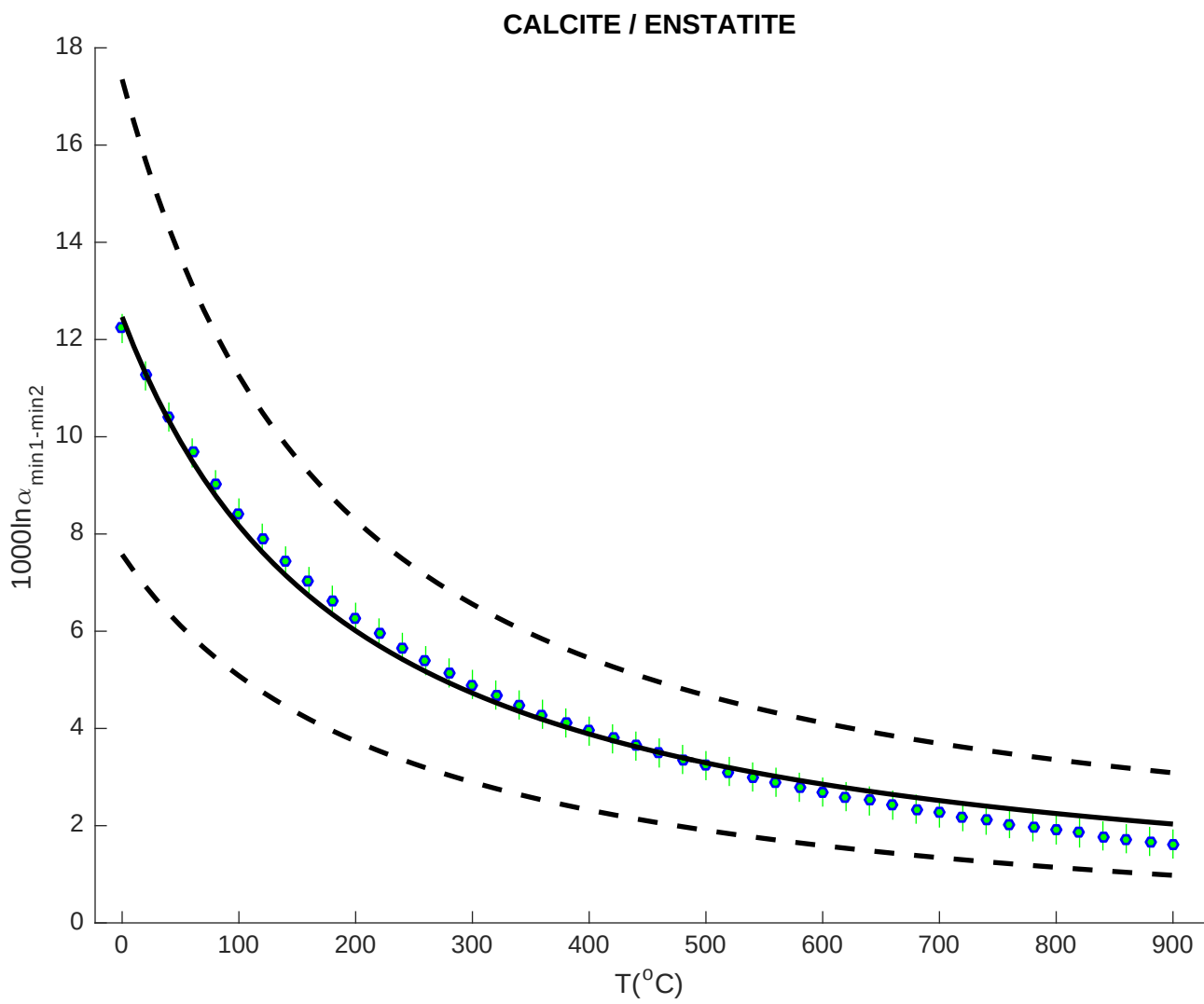
JADEITE / WATER

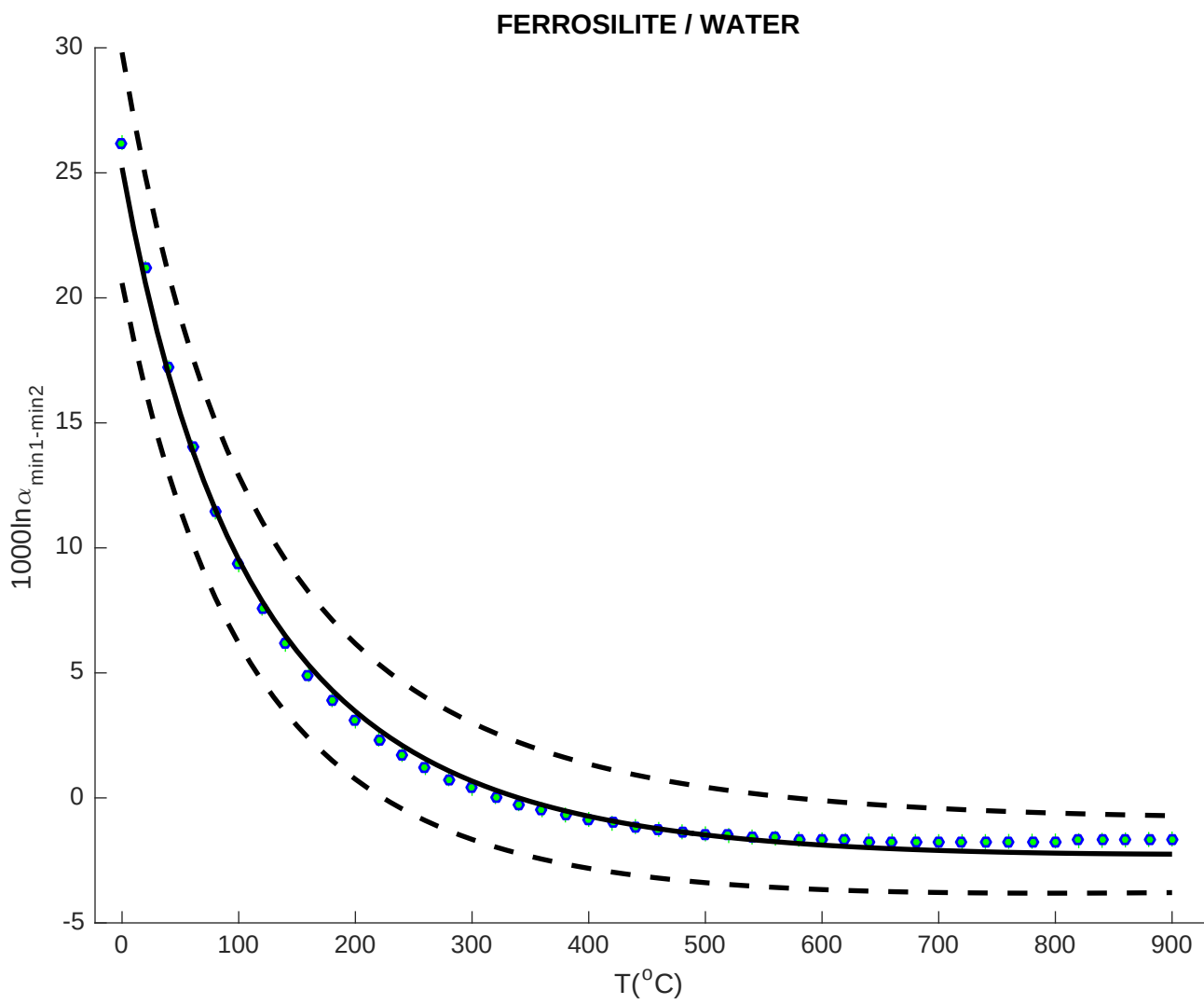


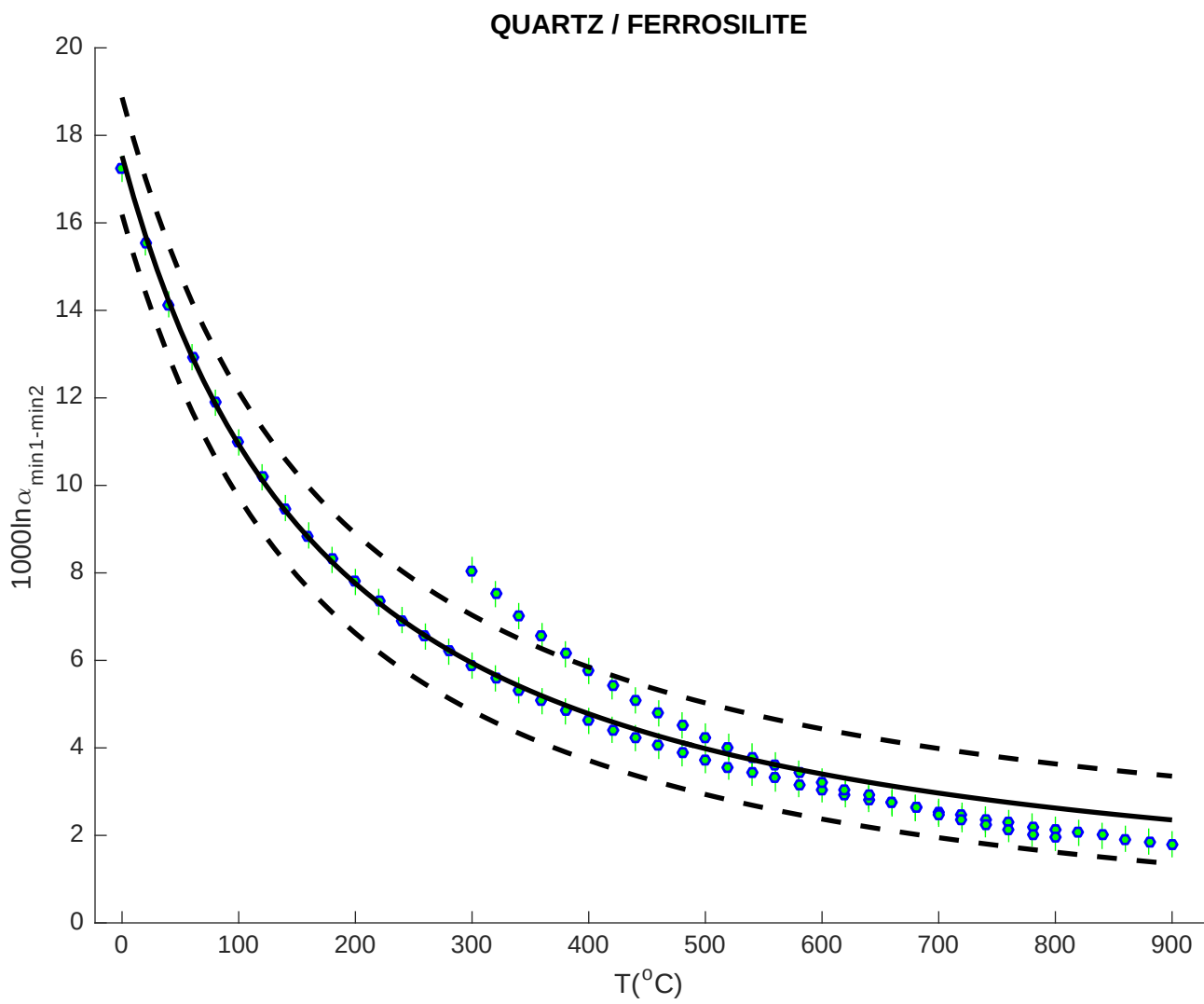


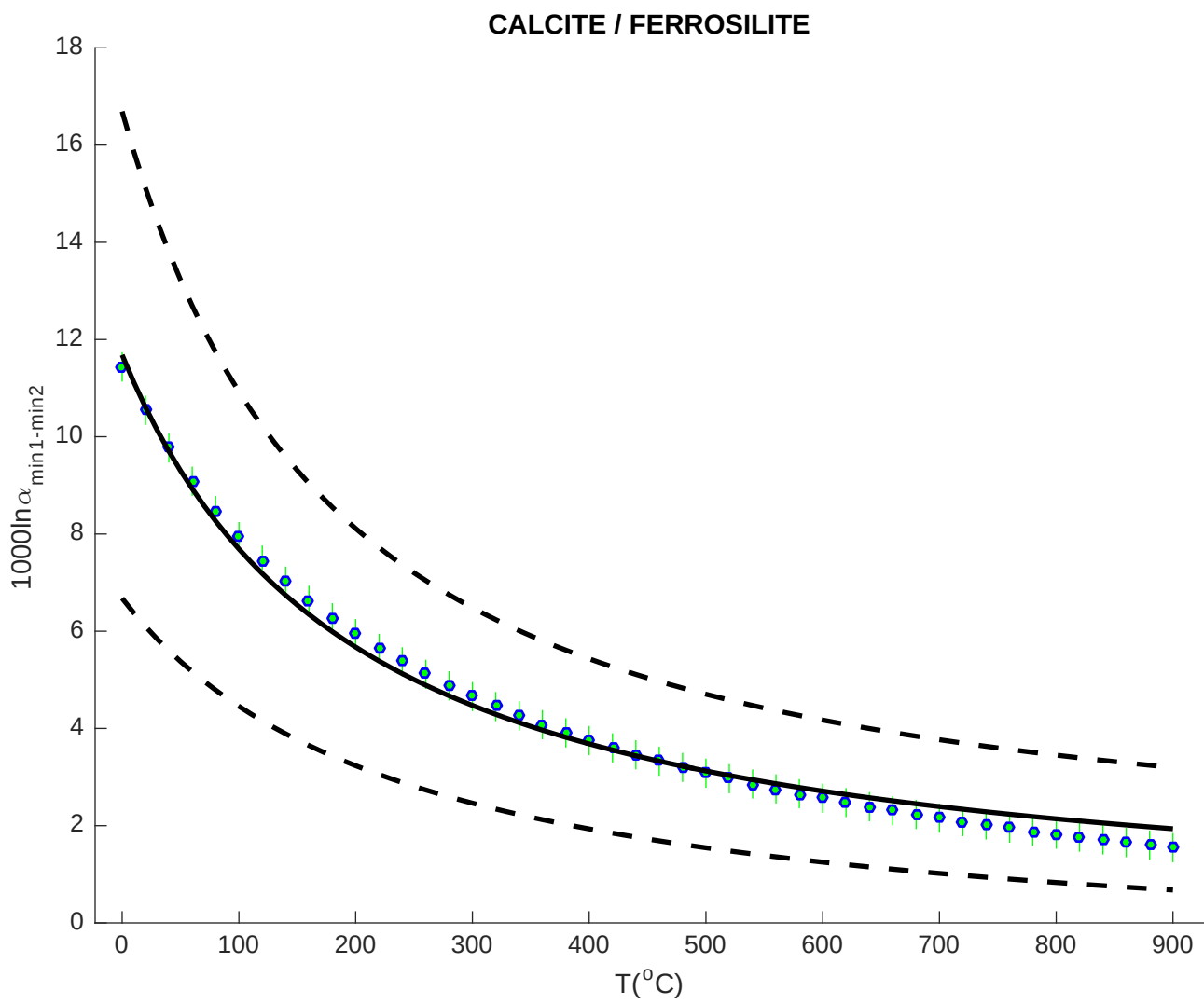


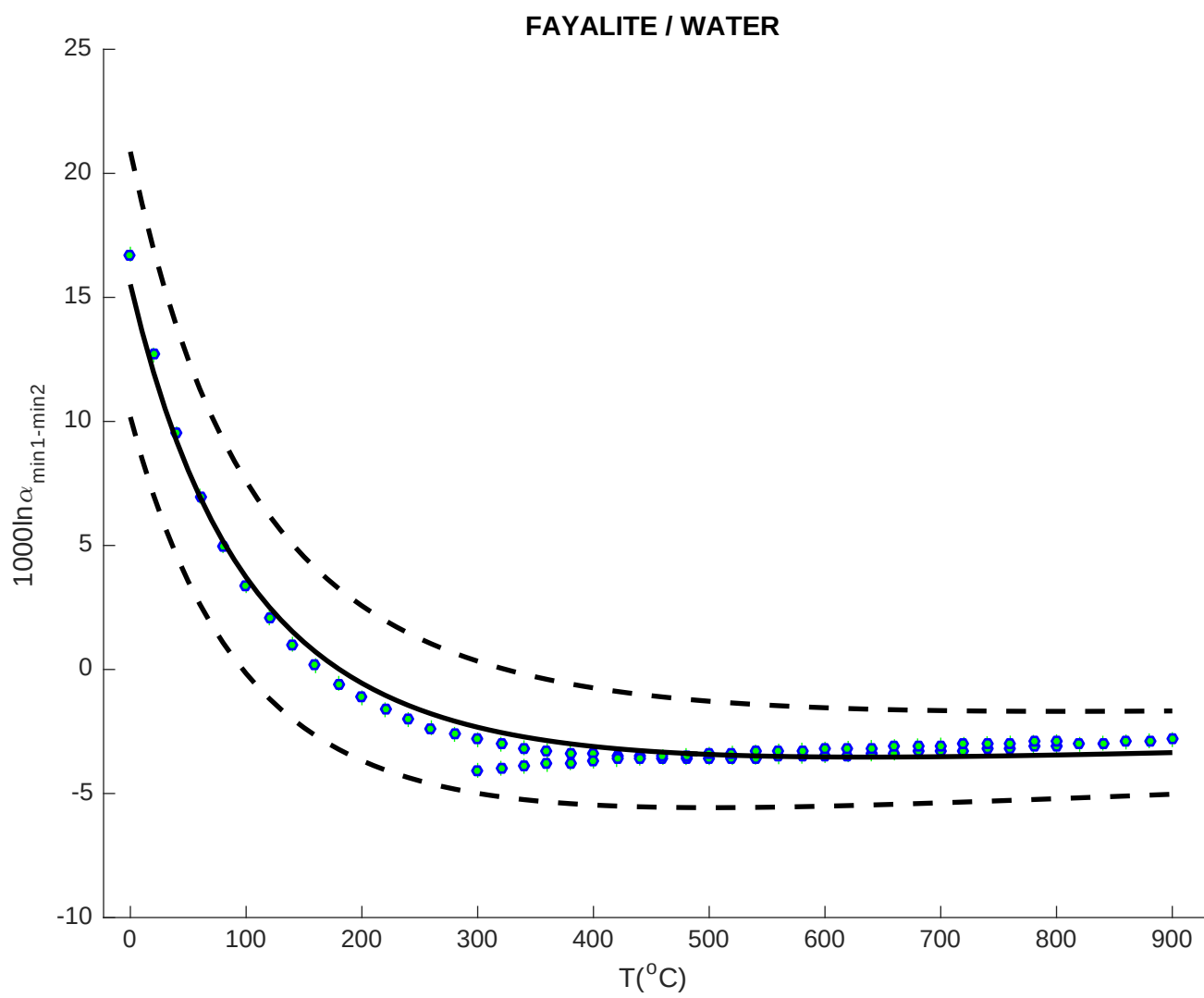


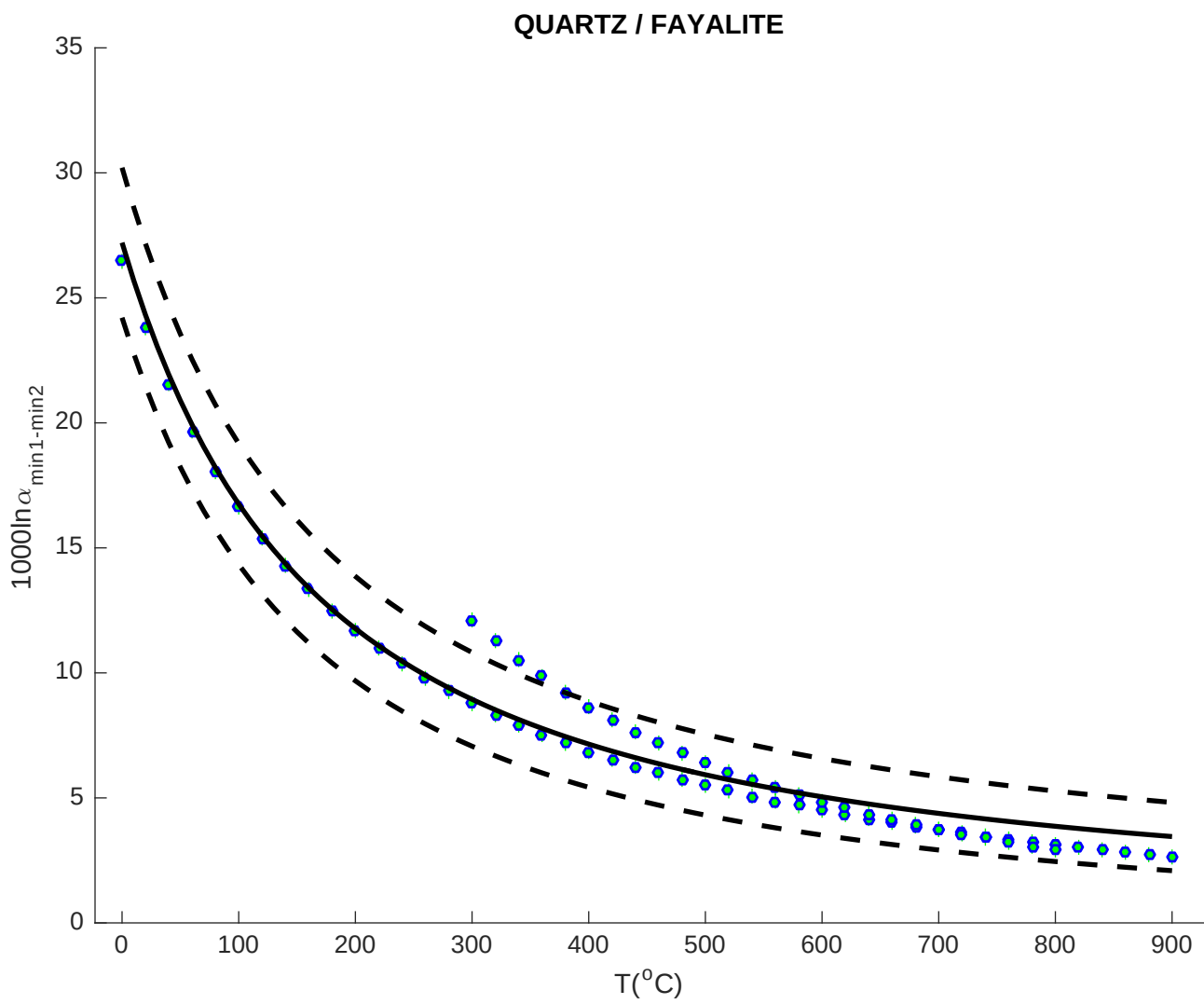


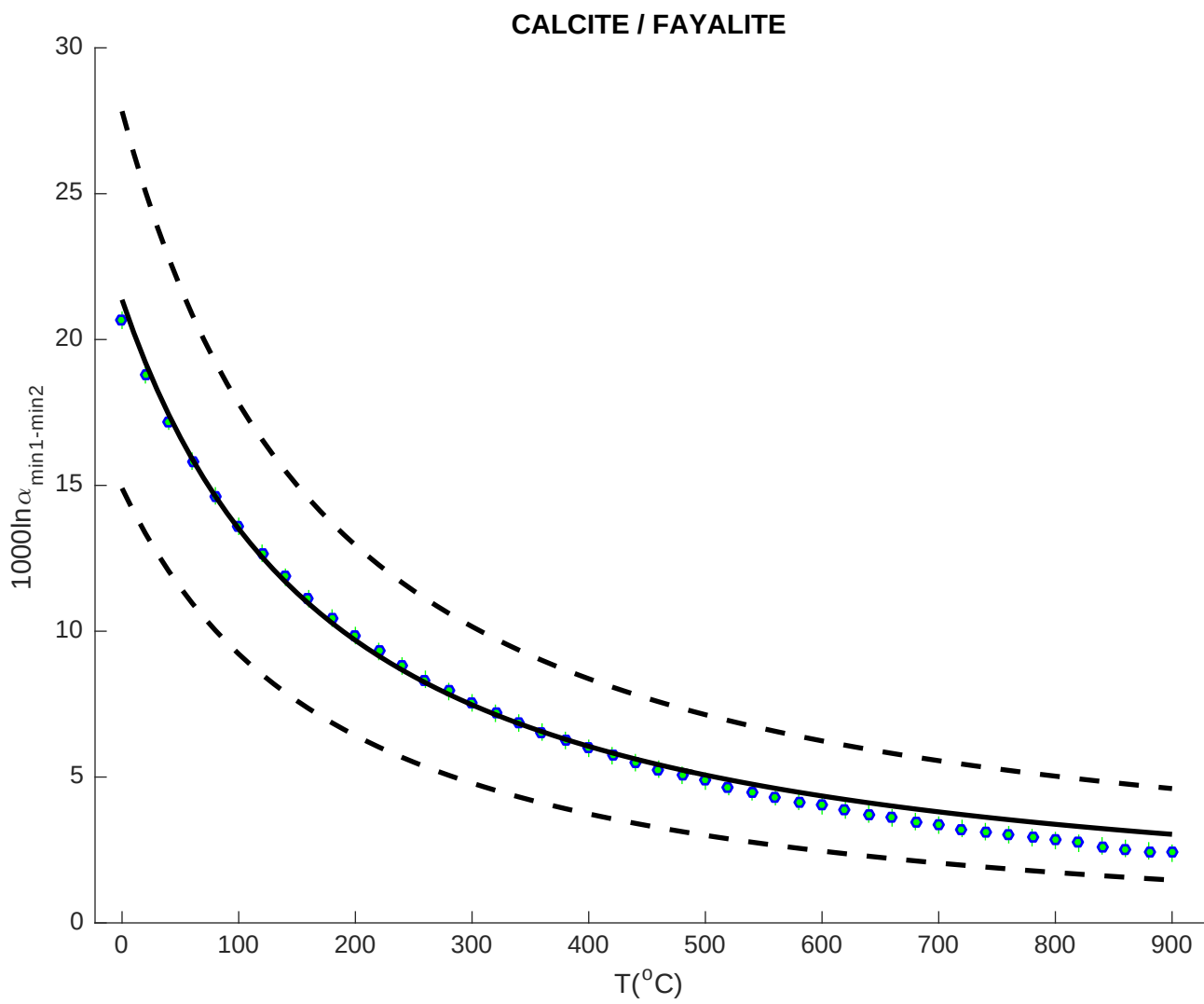


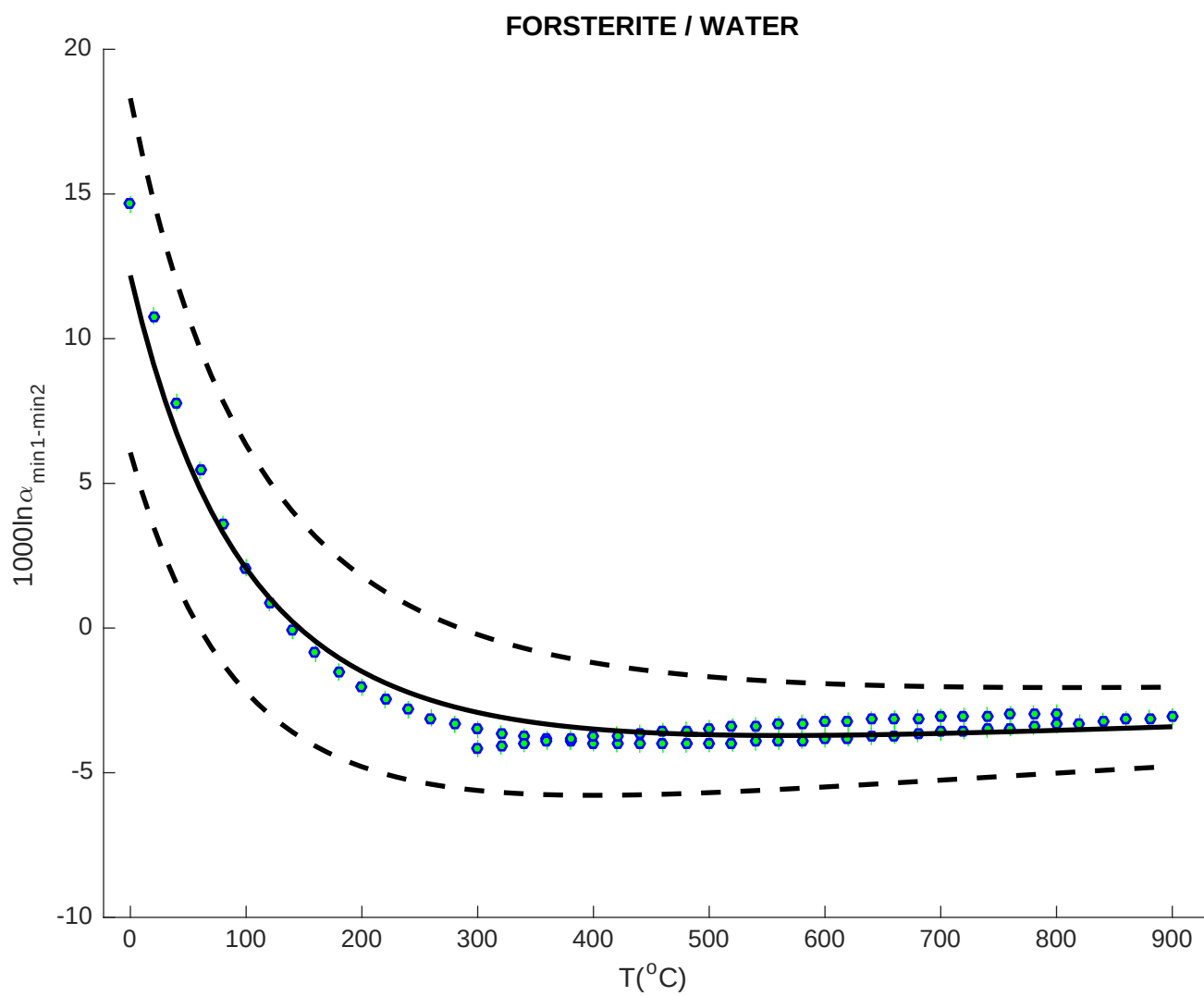


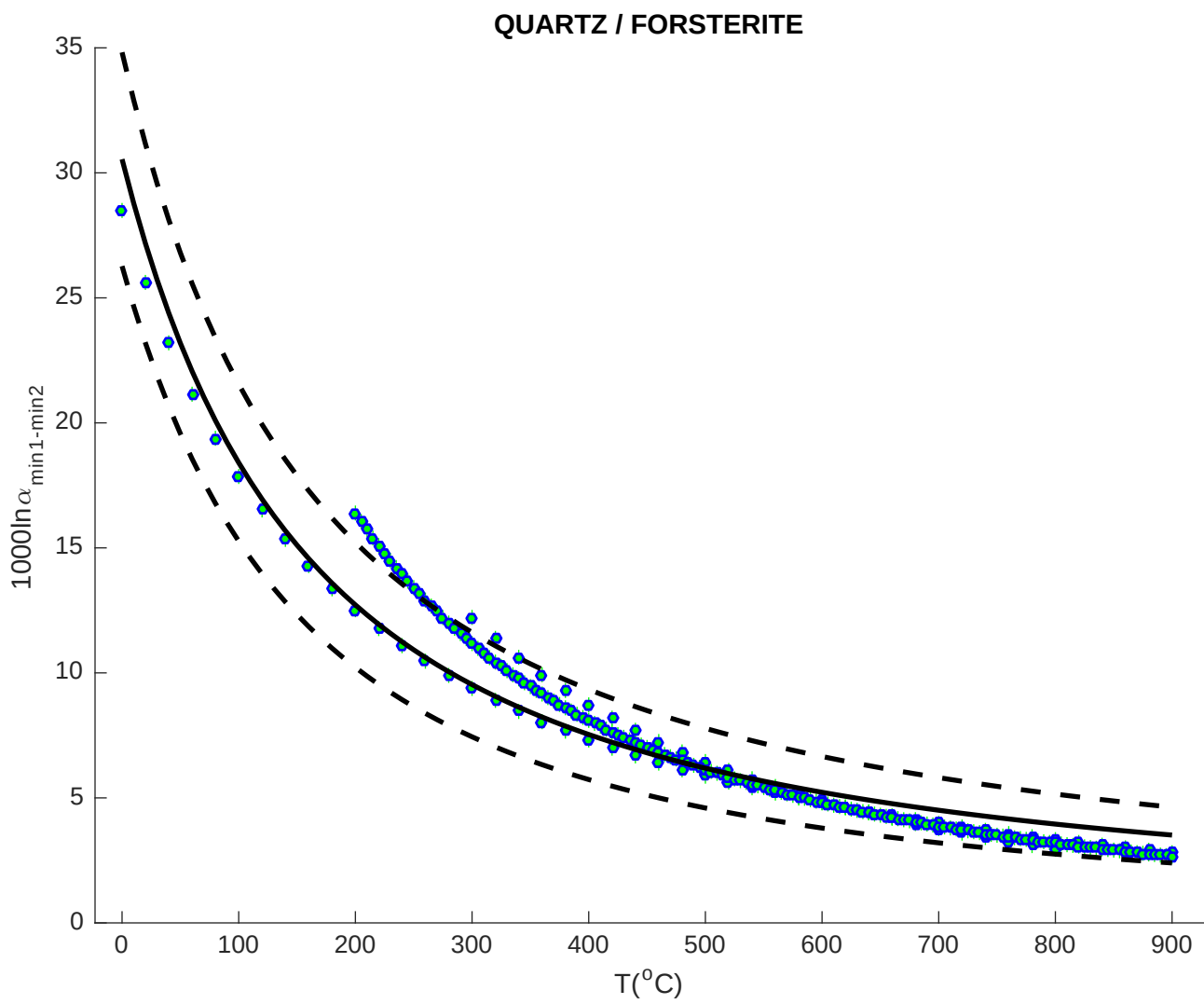


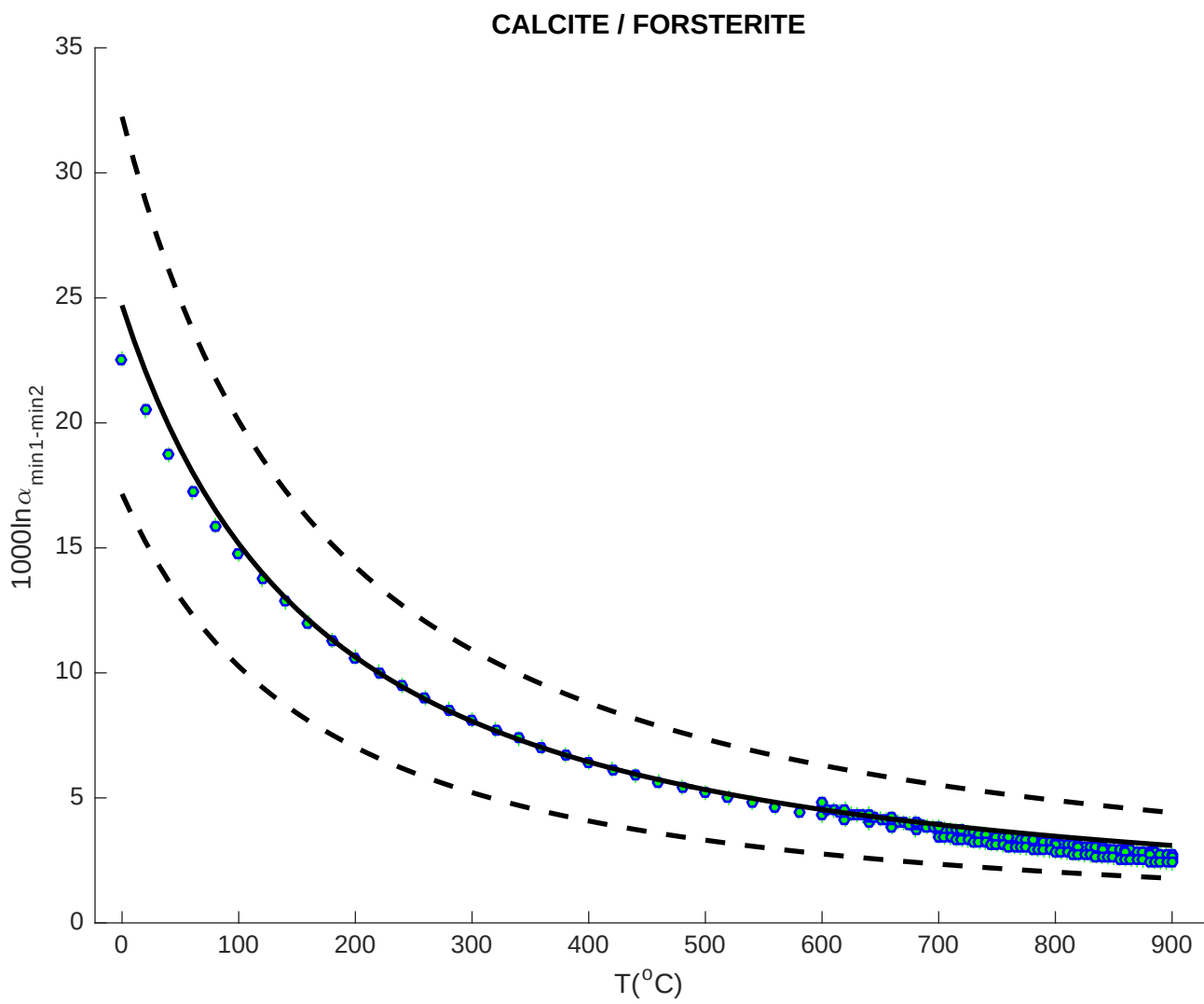


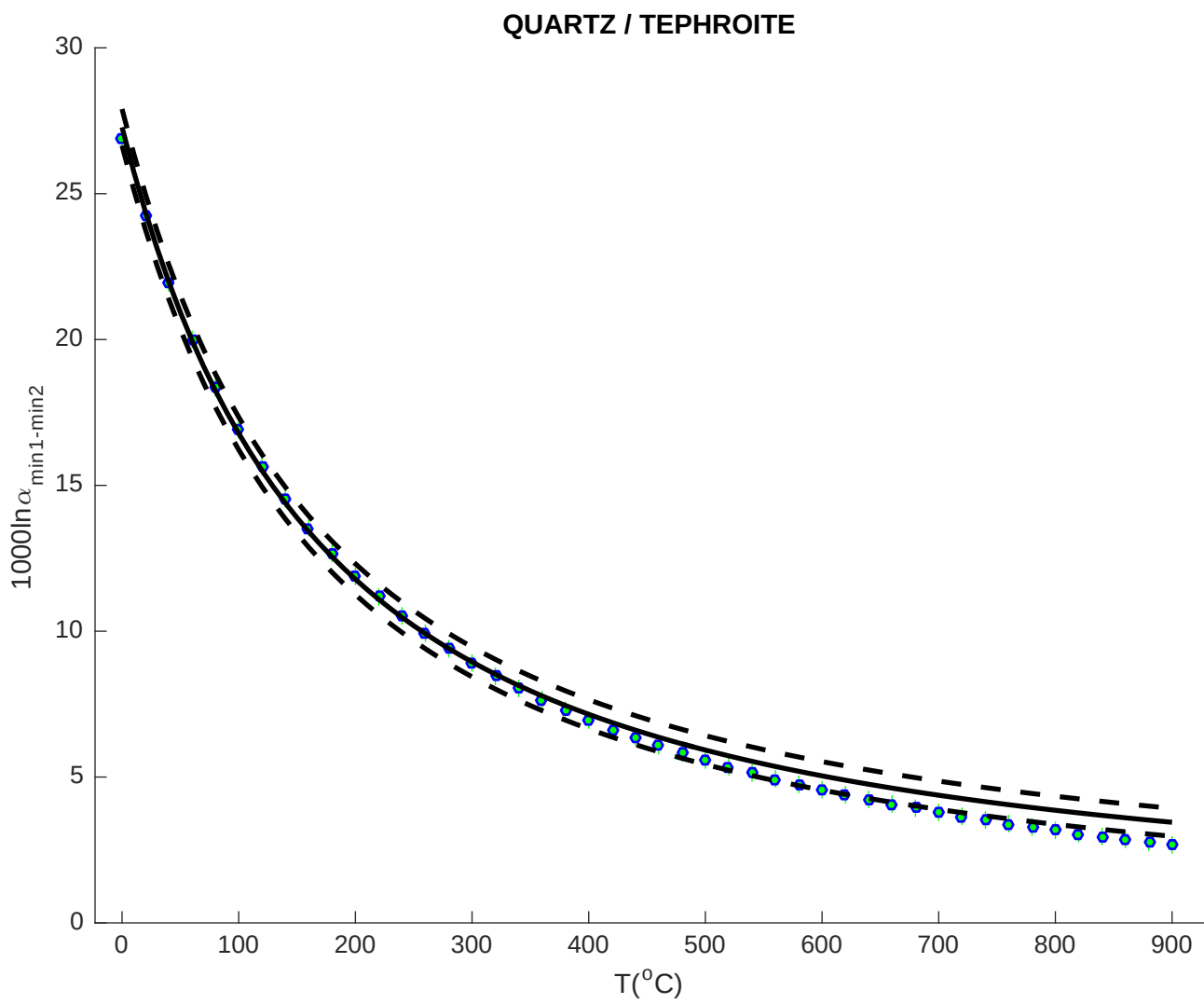


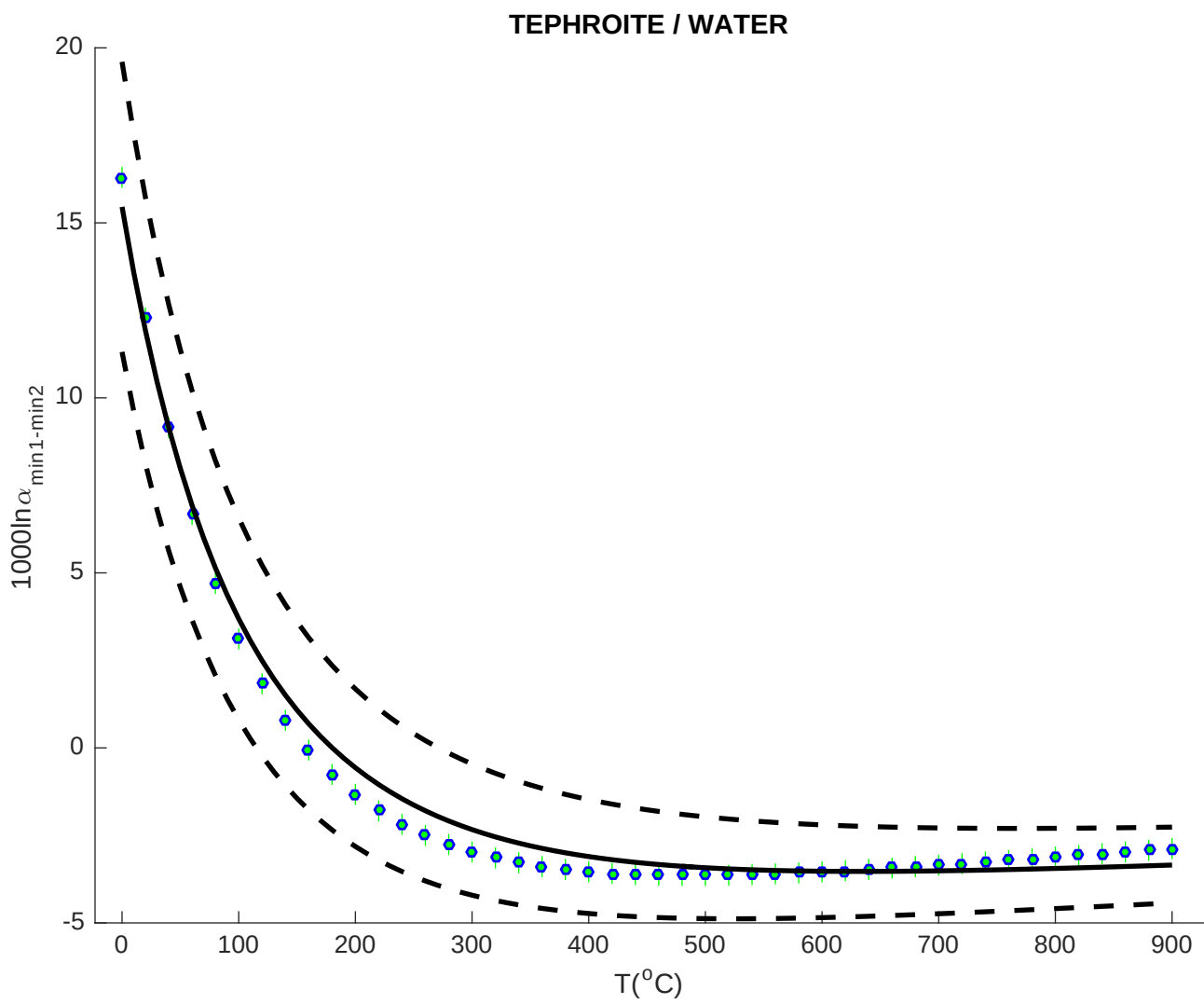


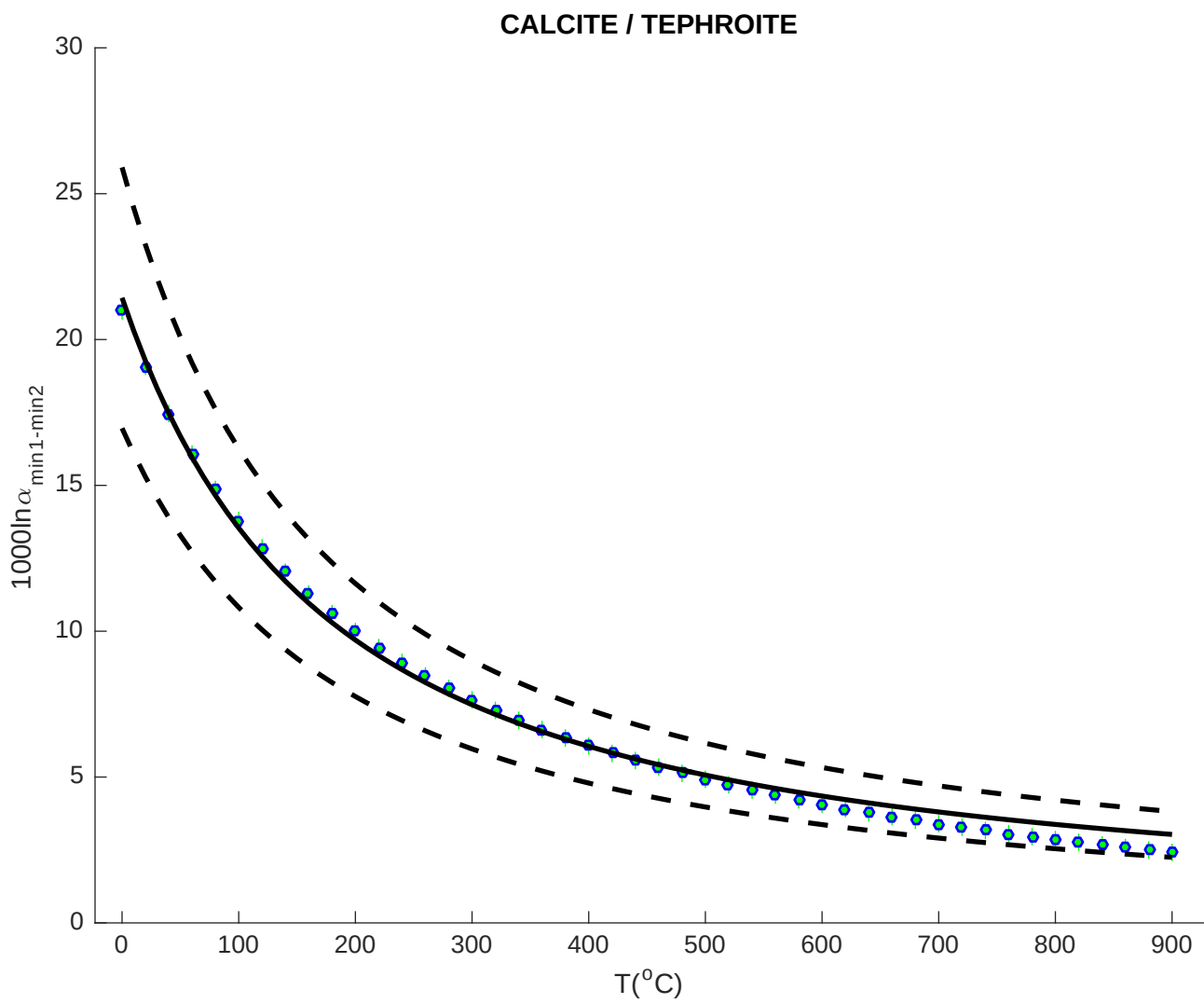


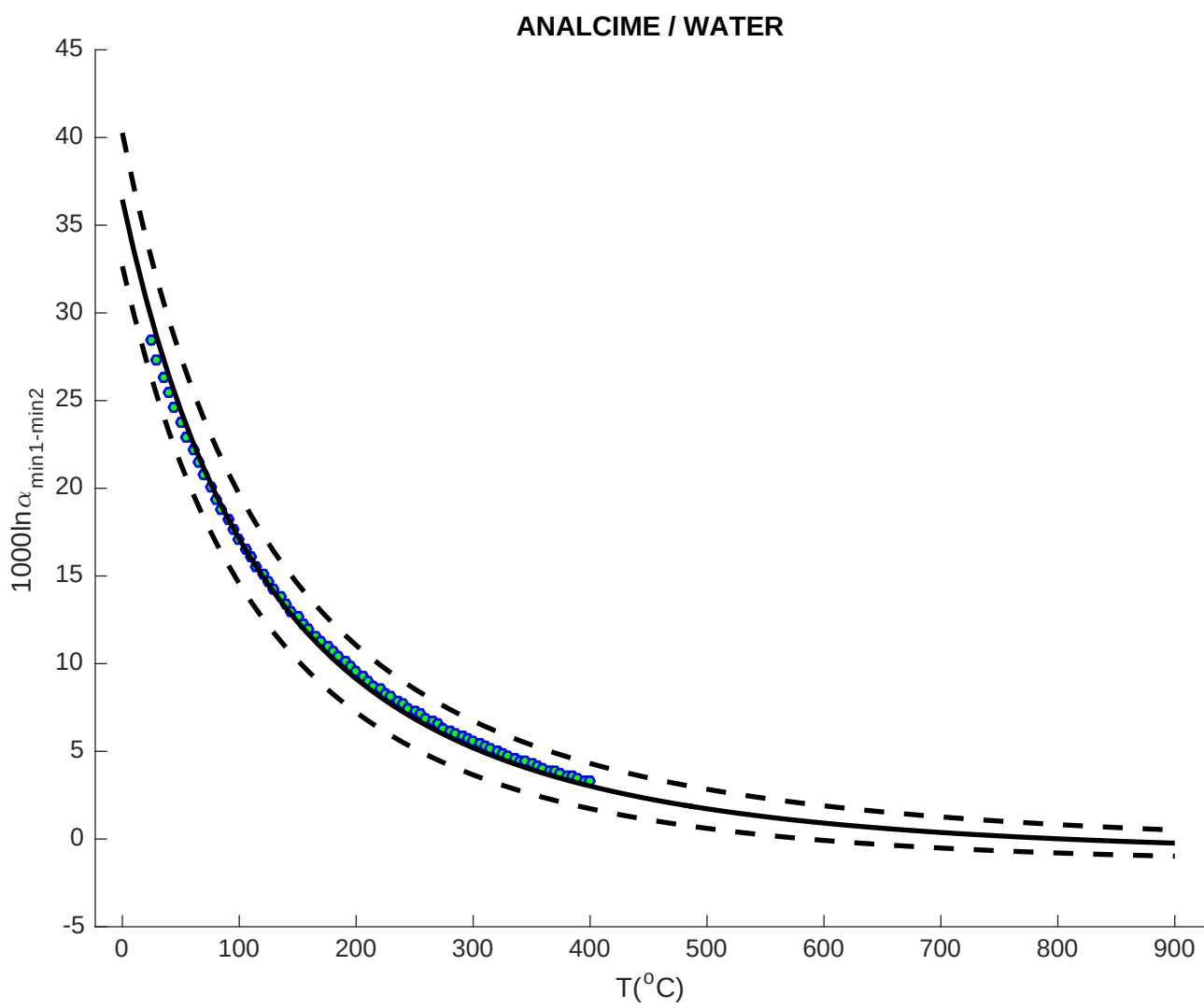


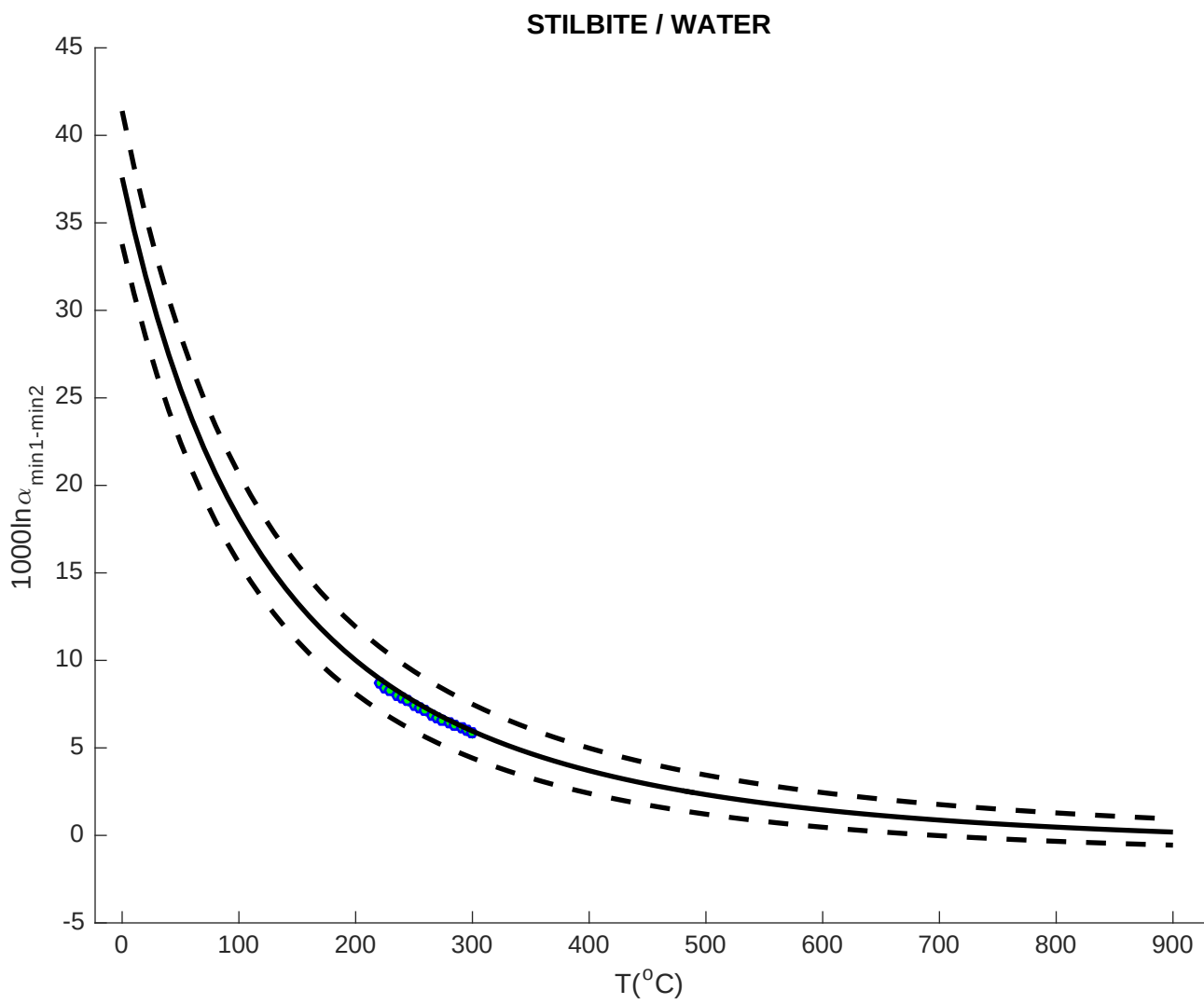


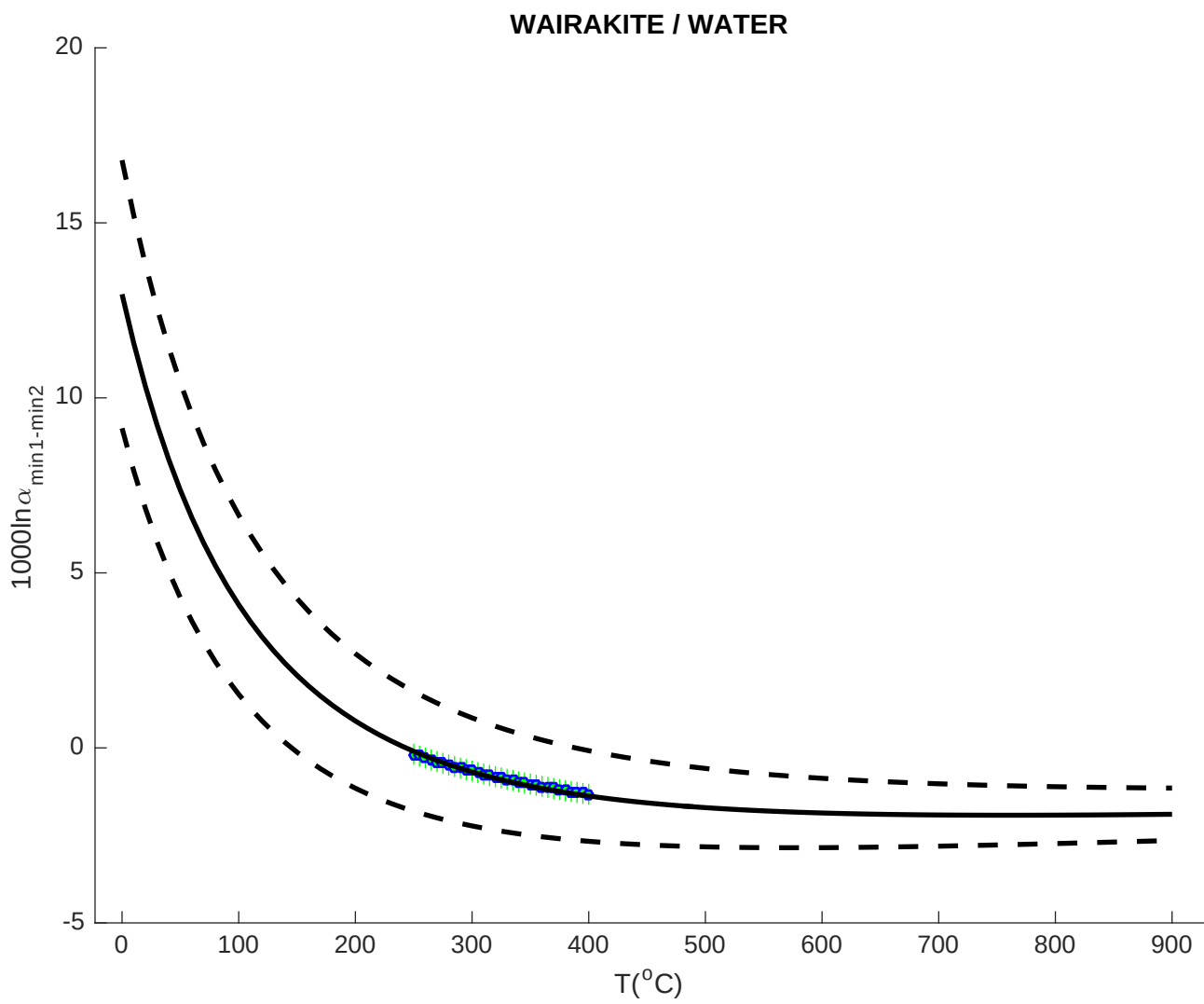


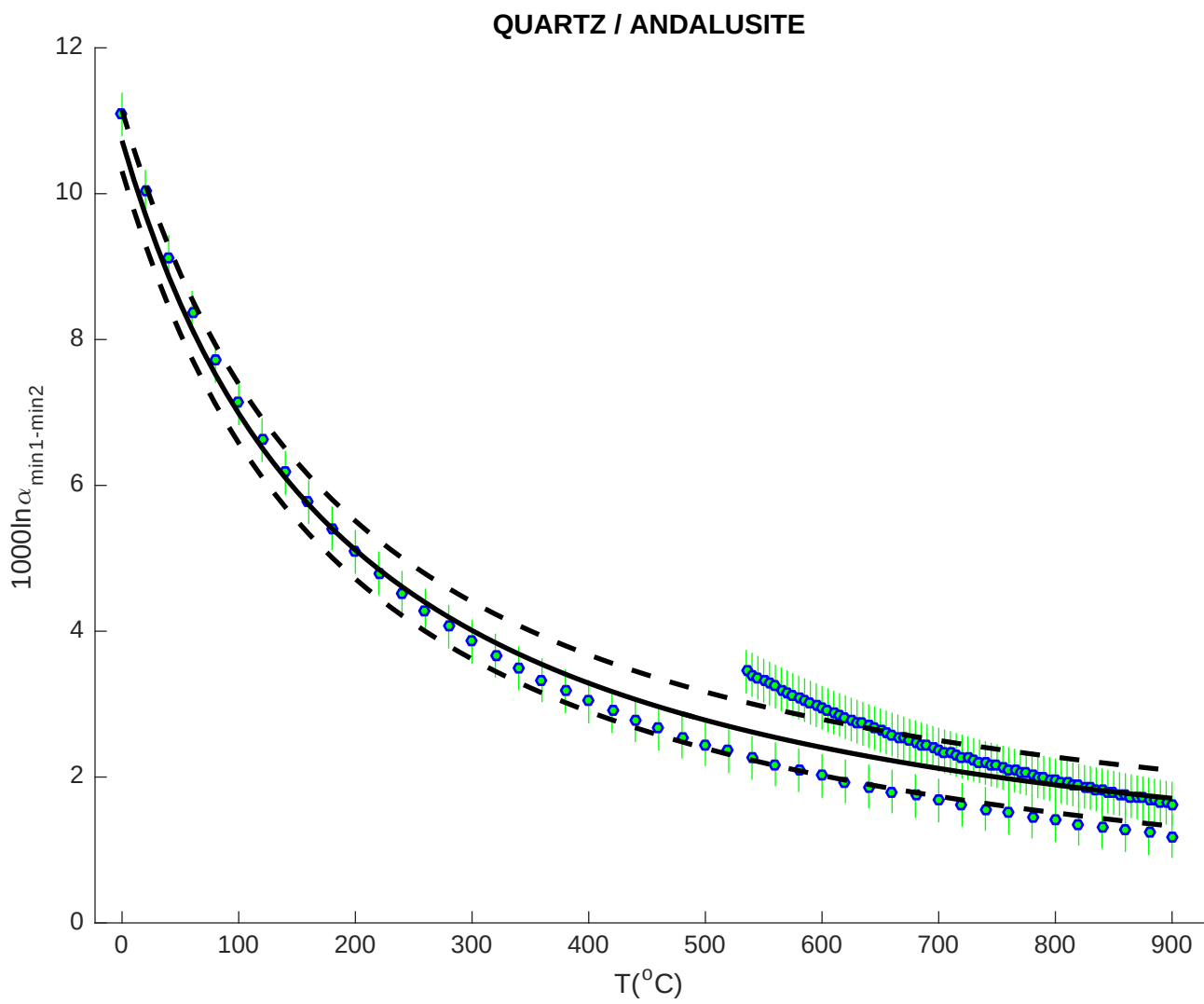




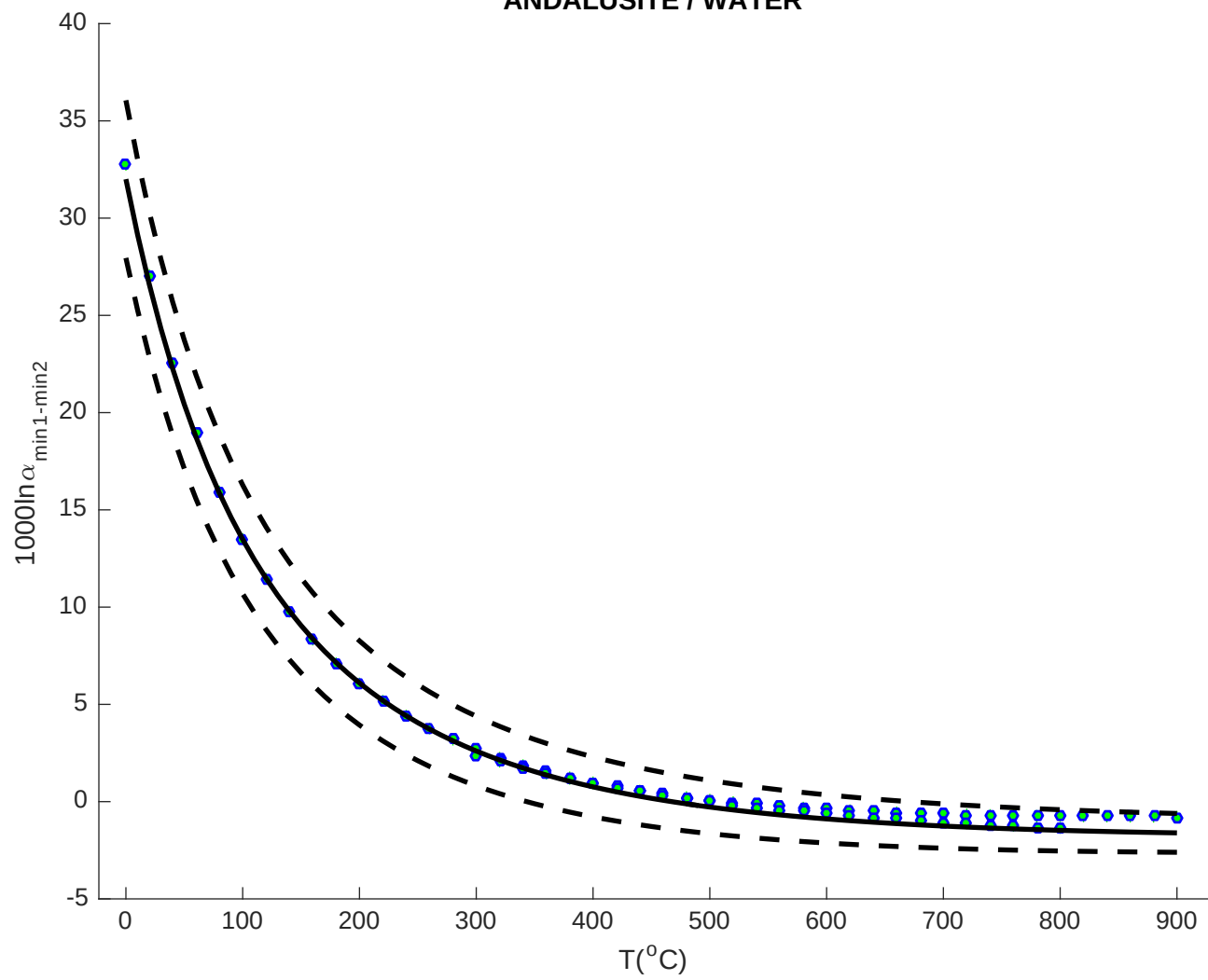


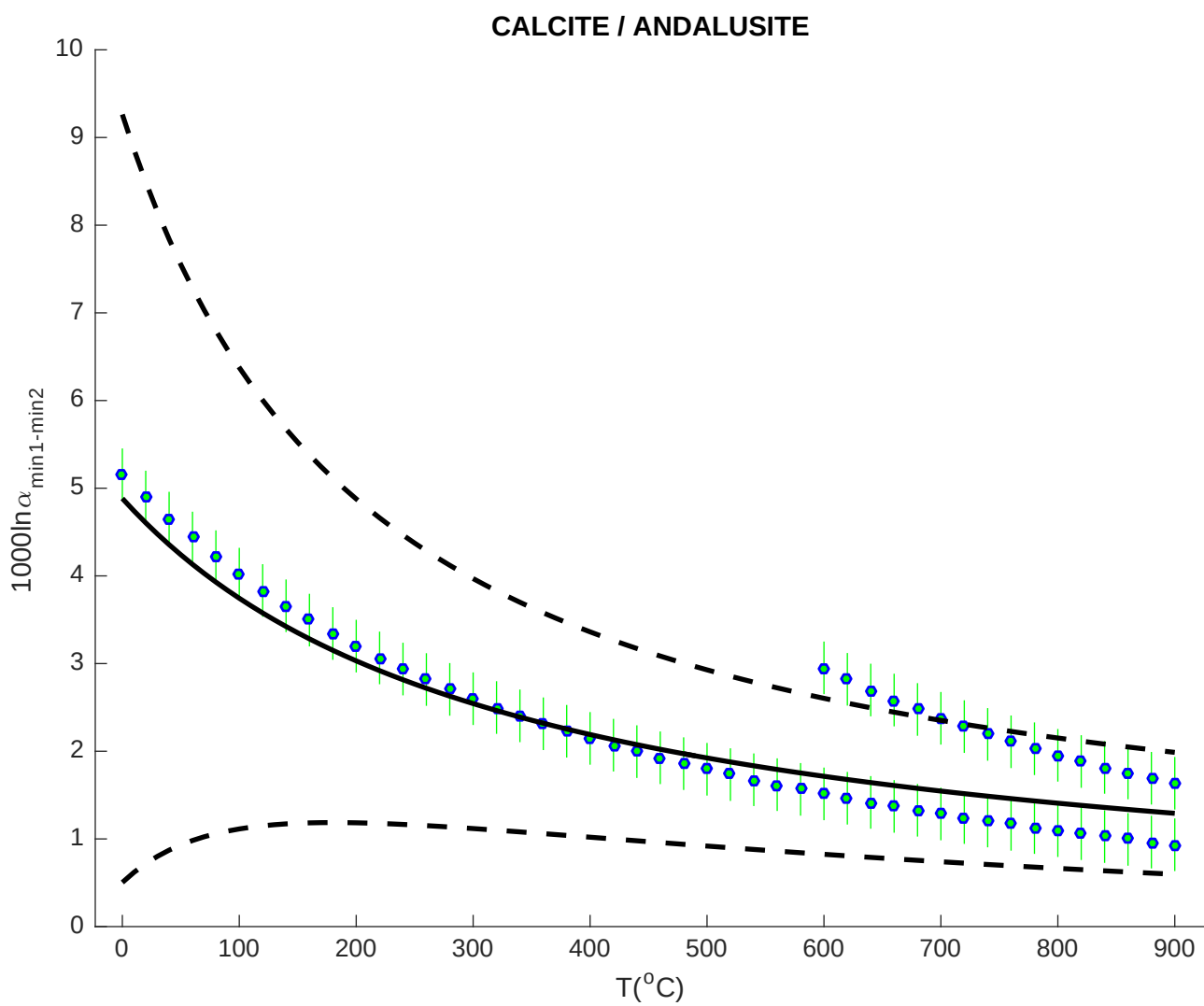


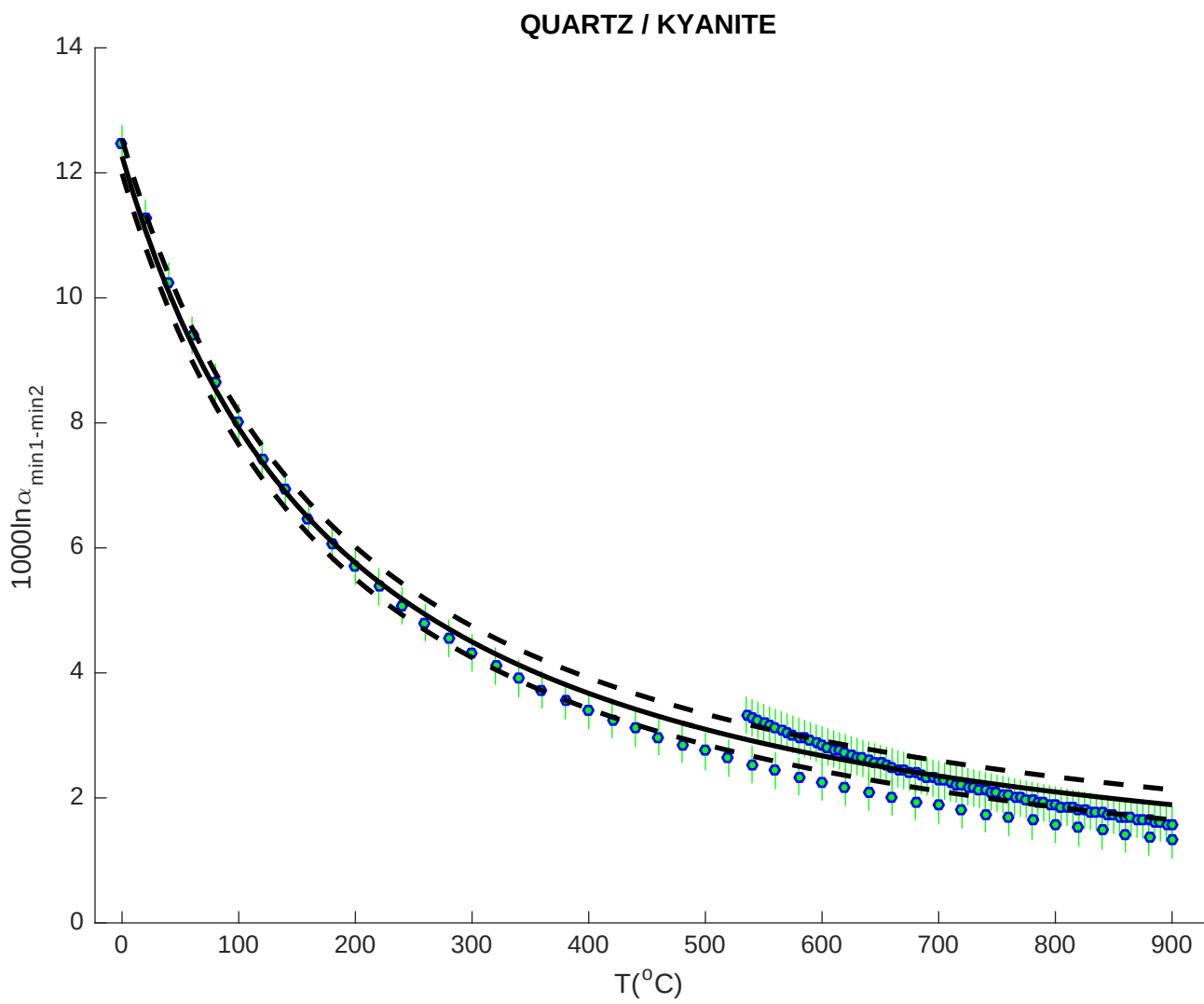


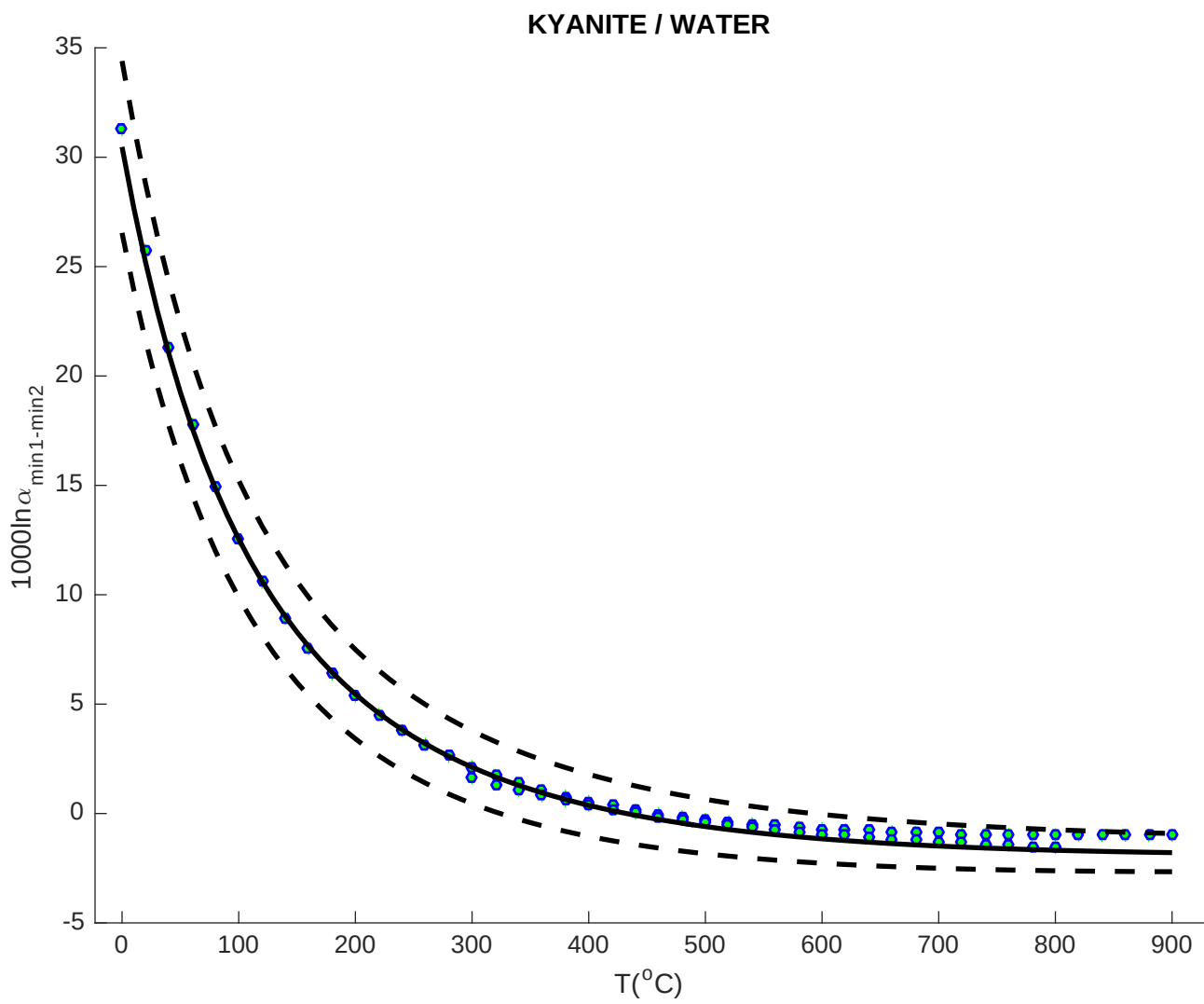


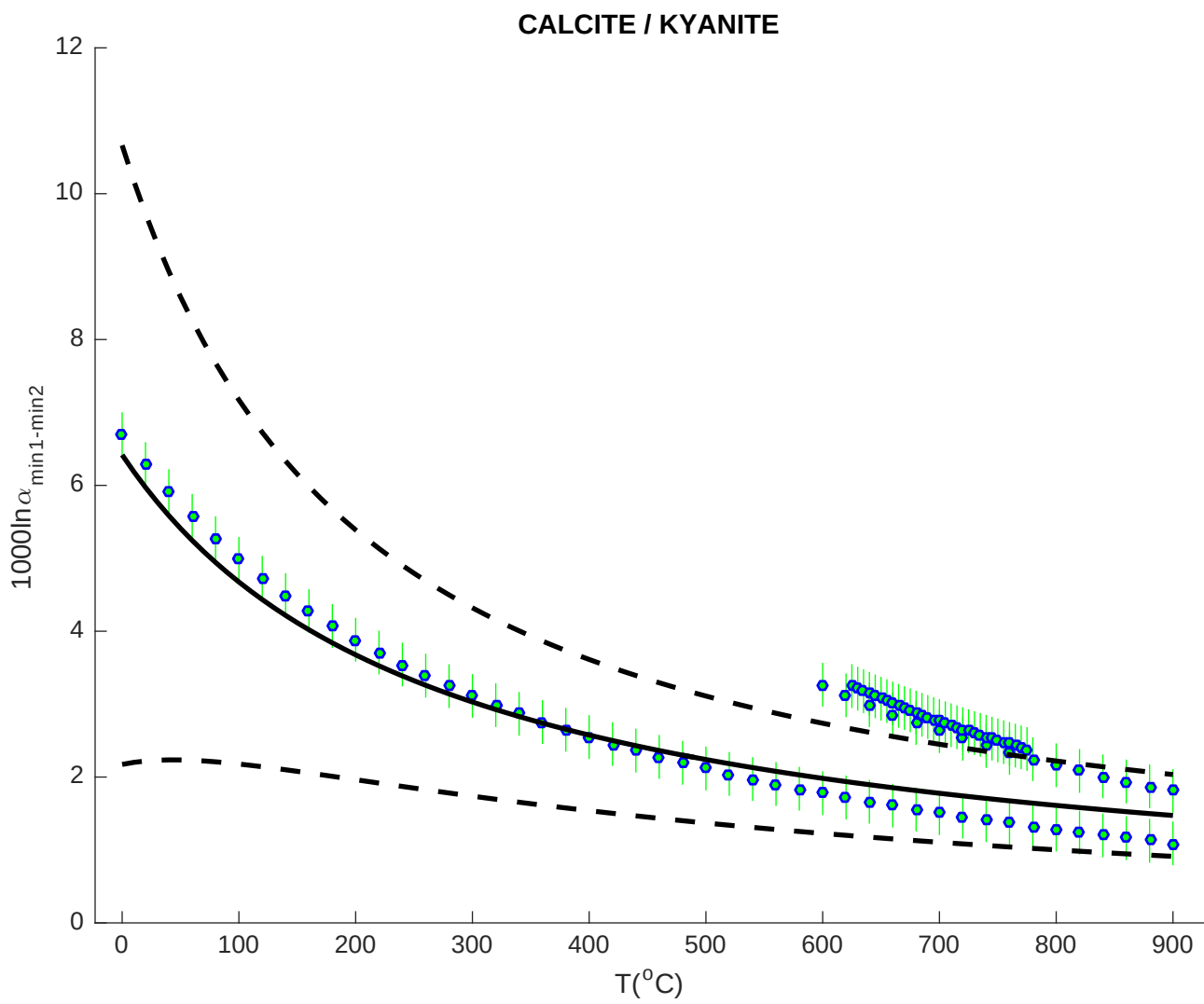
ANDALUSITE / WATER



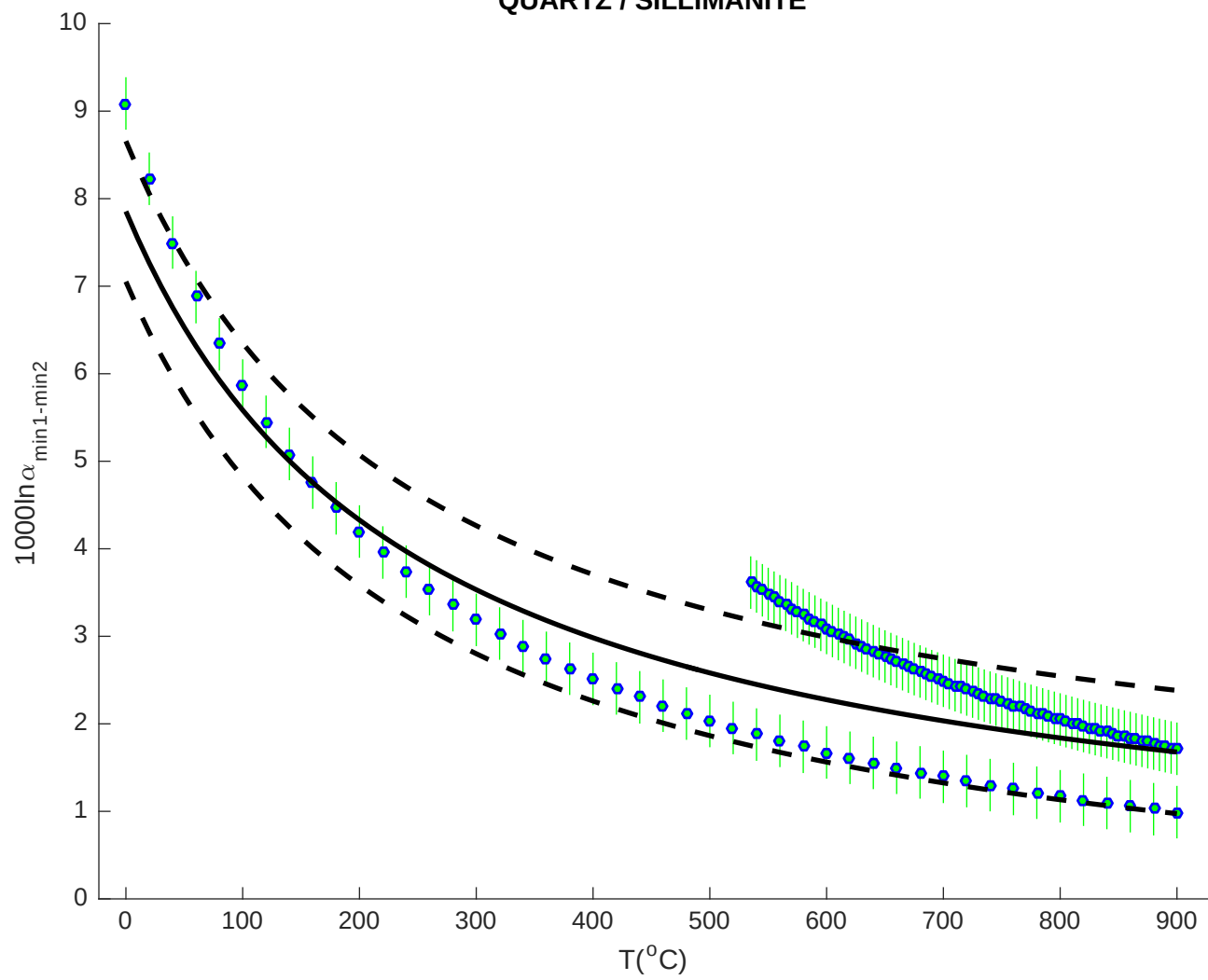


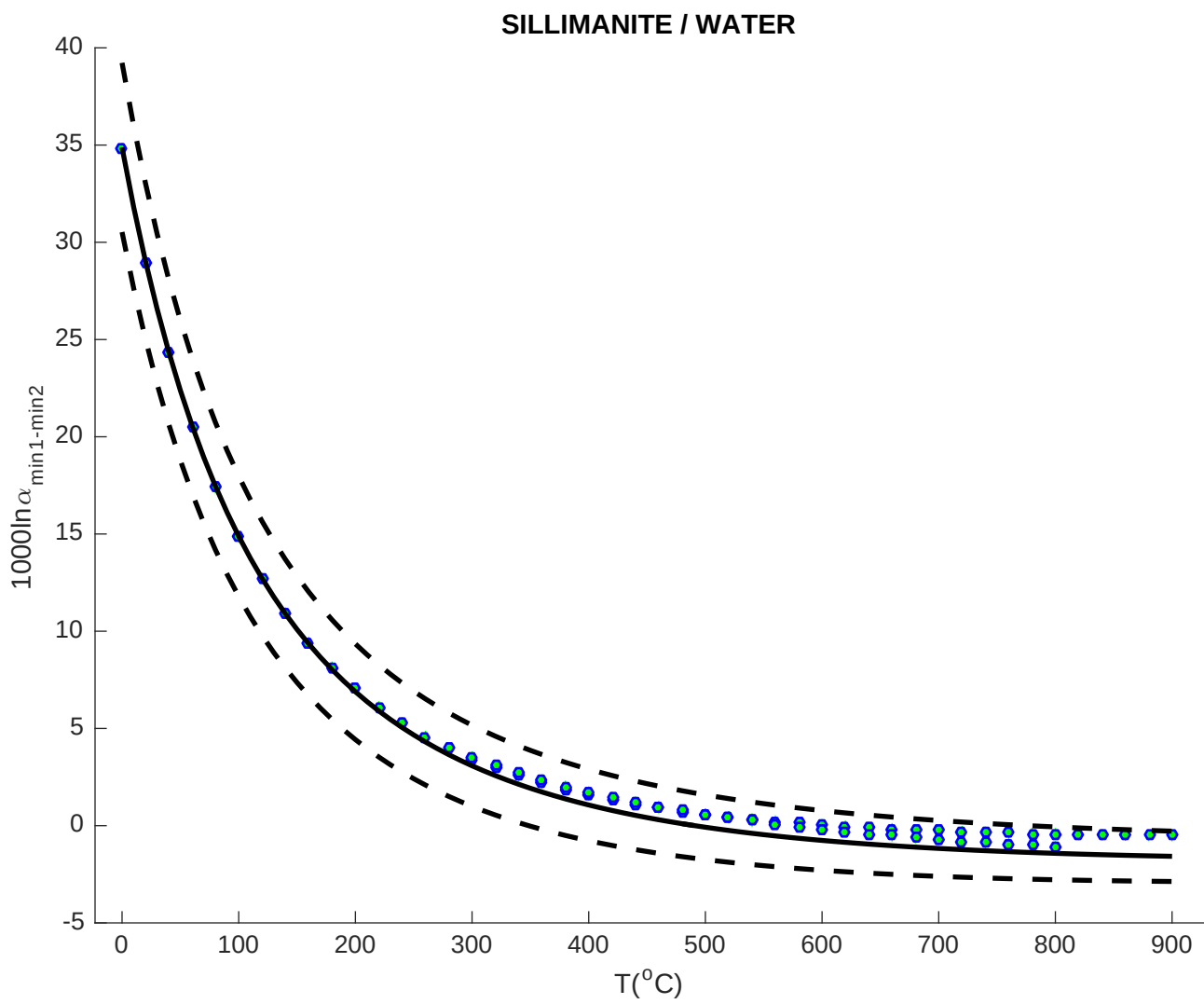


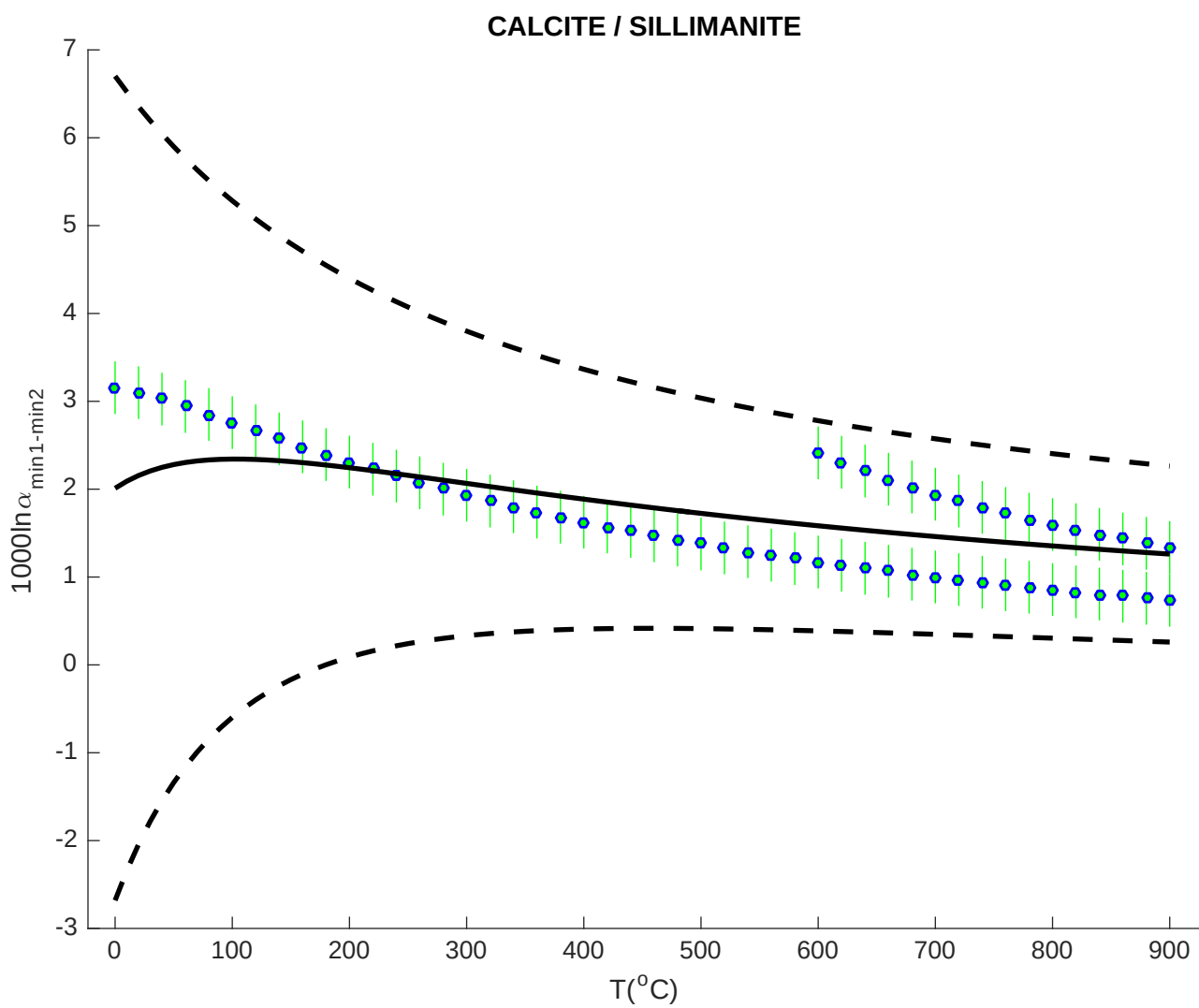


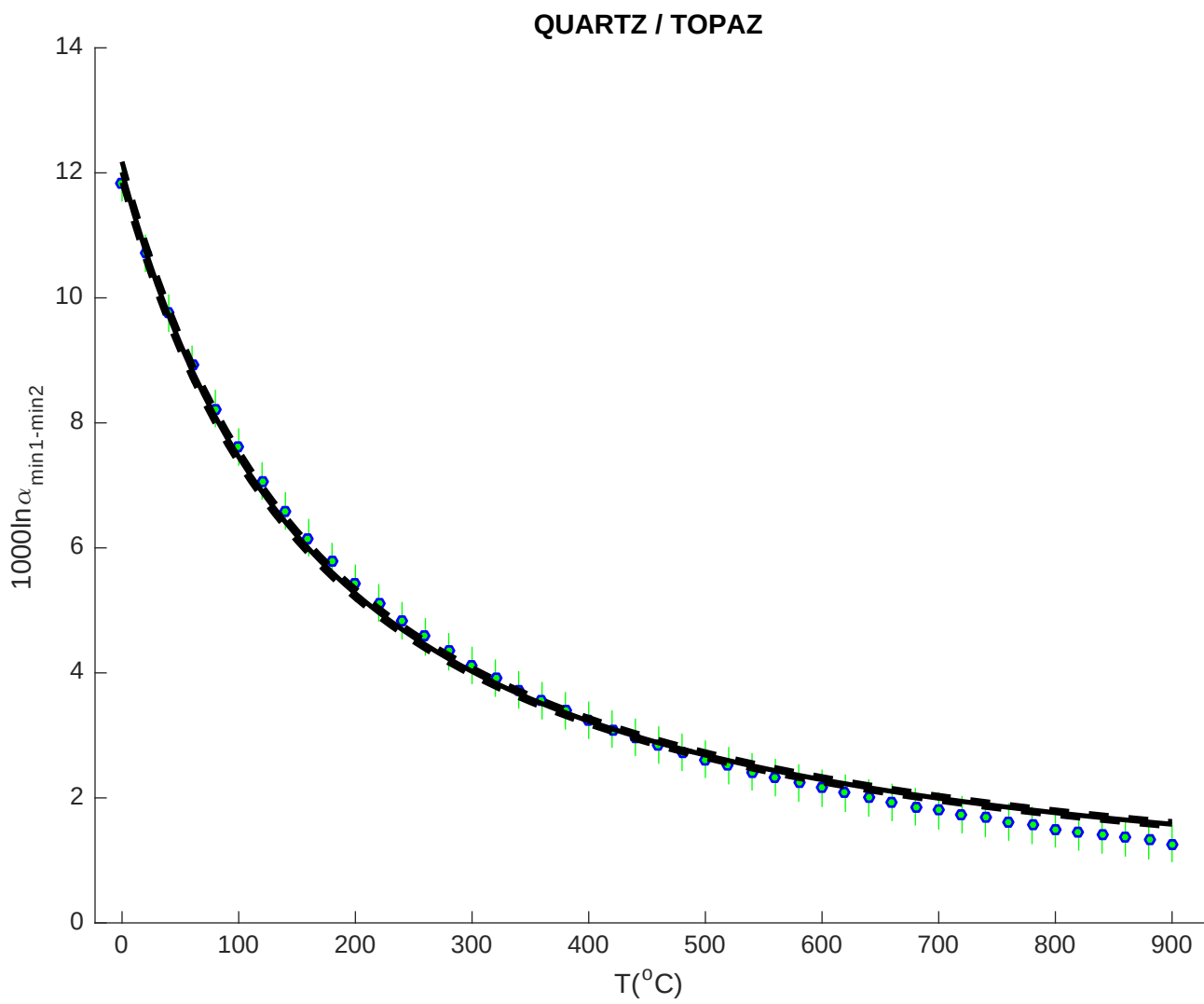


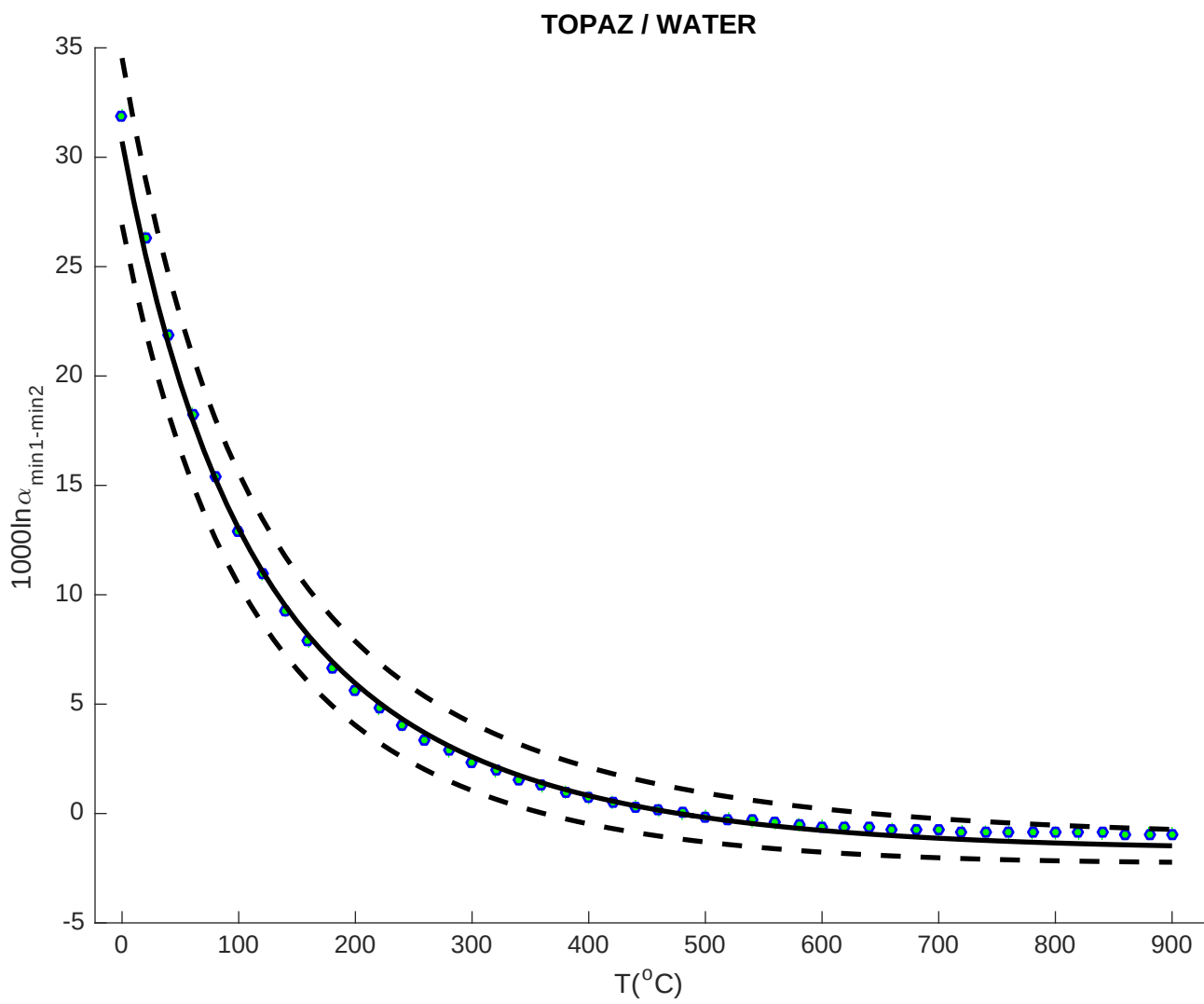
QUARTZ / SILLIMANITE

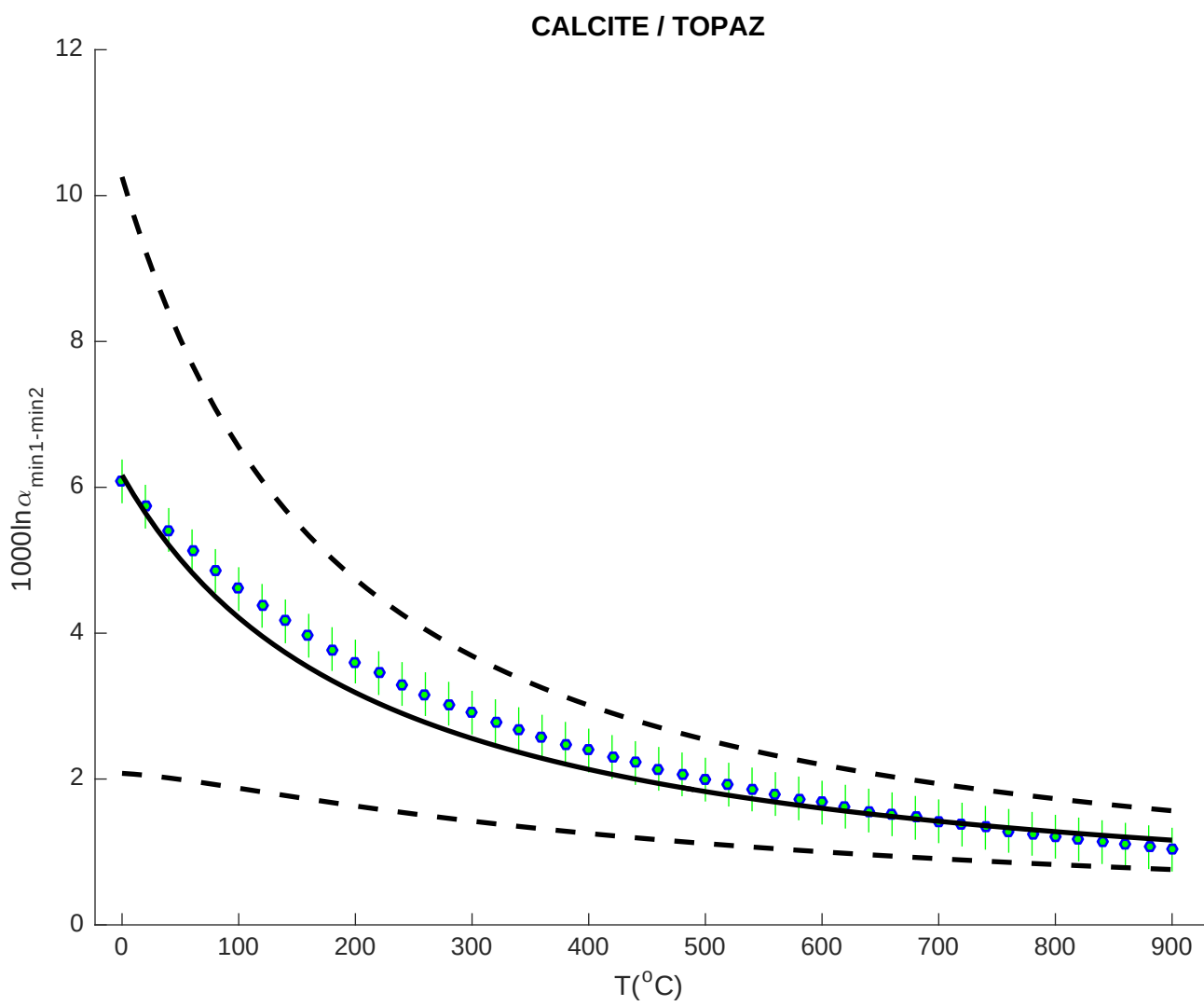




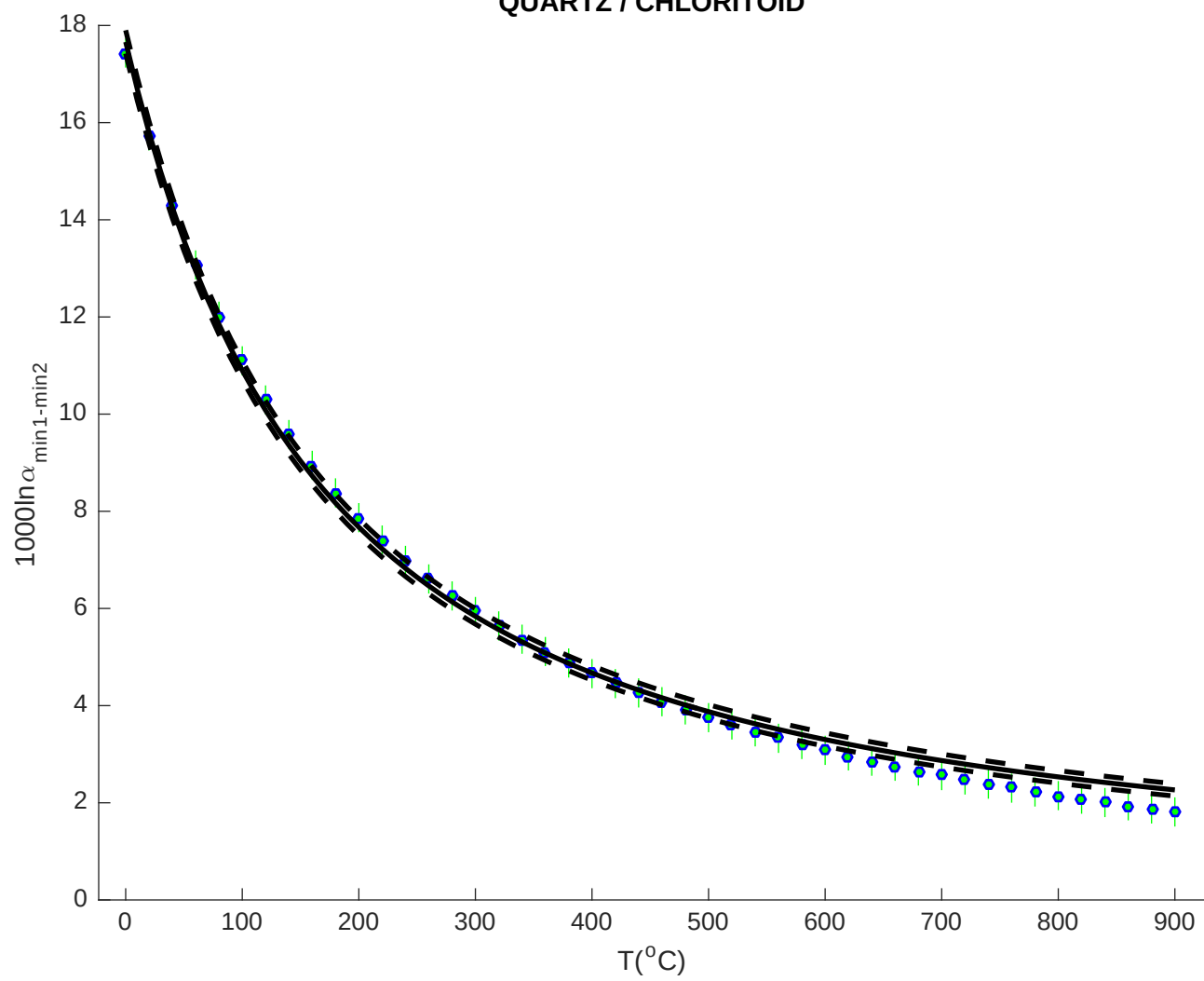


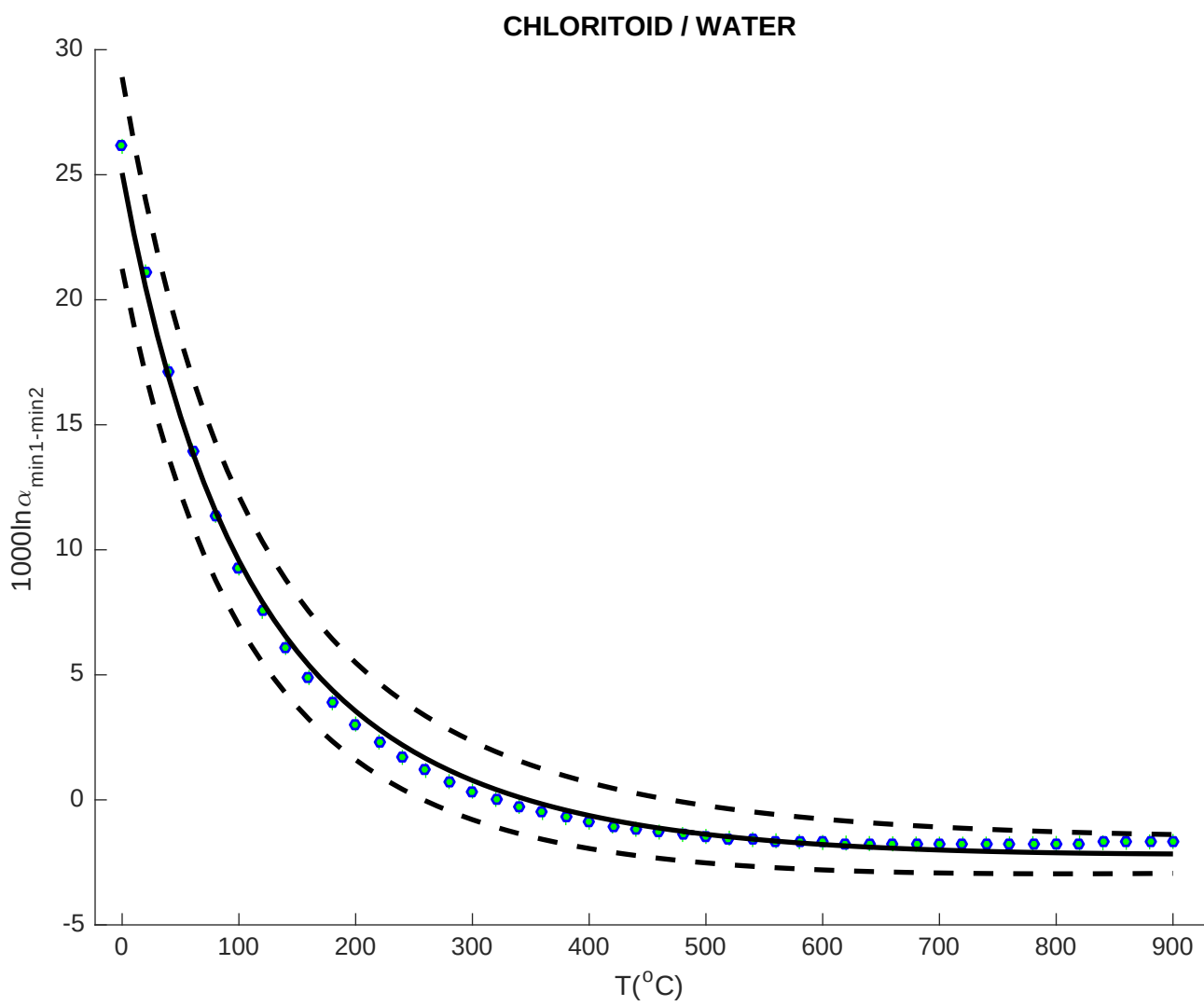


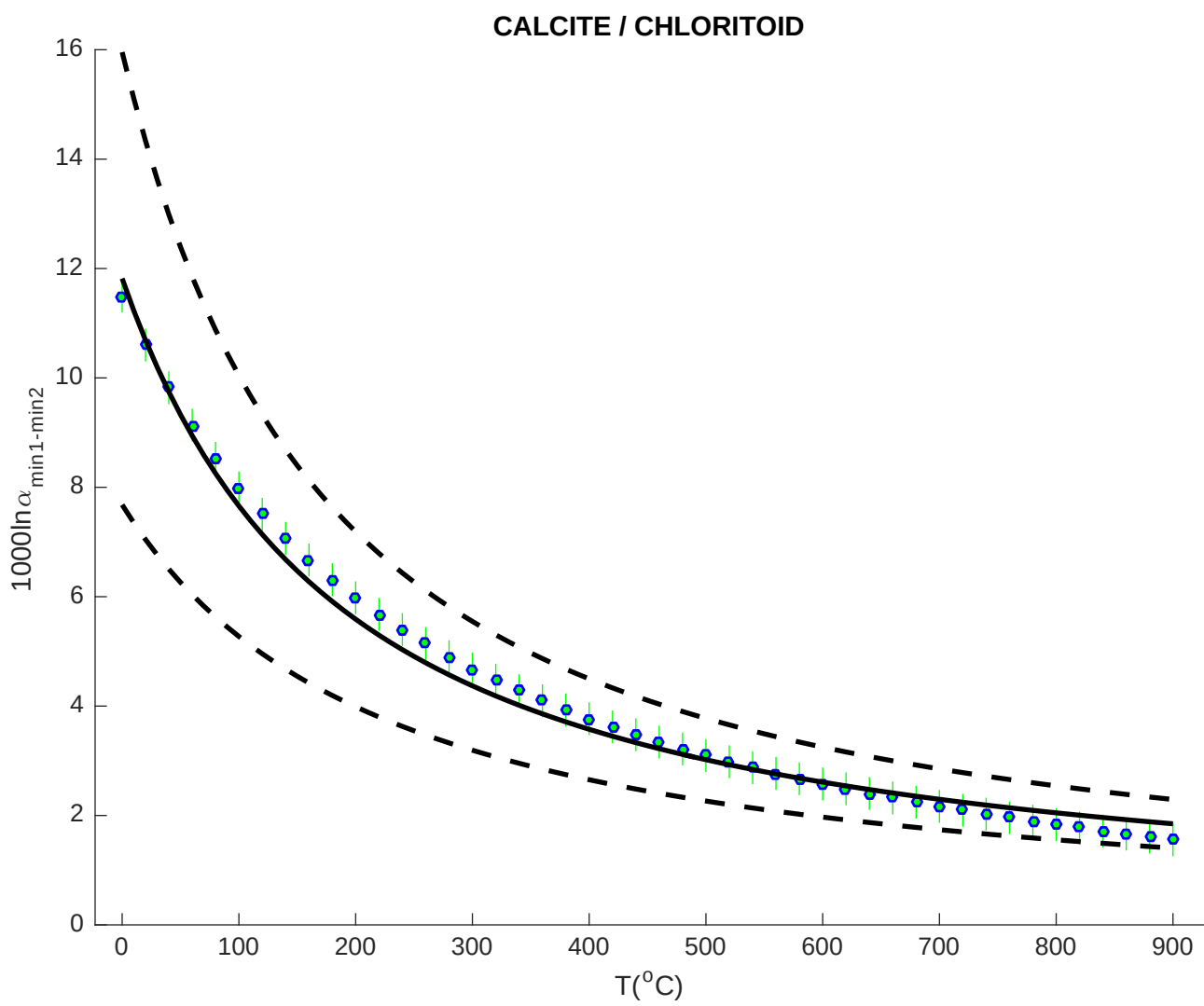


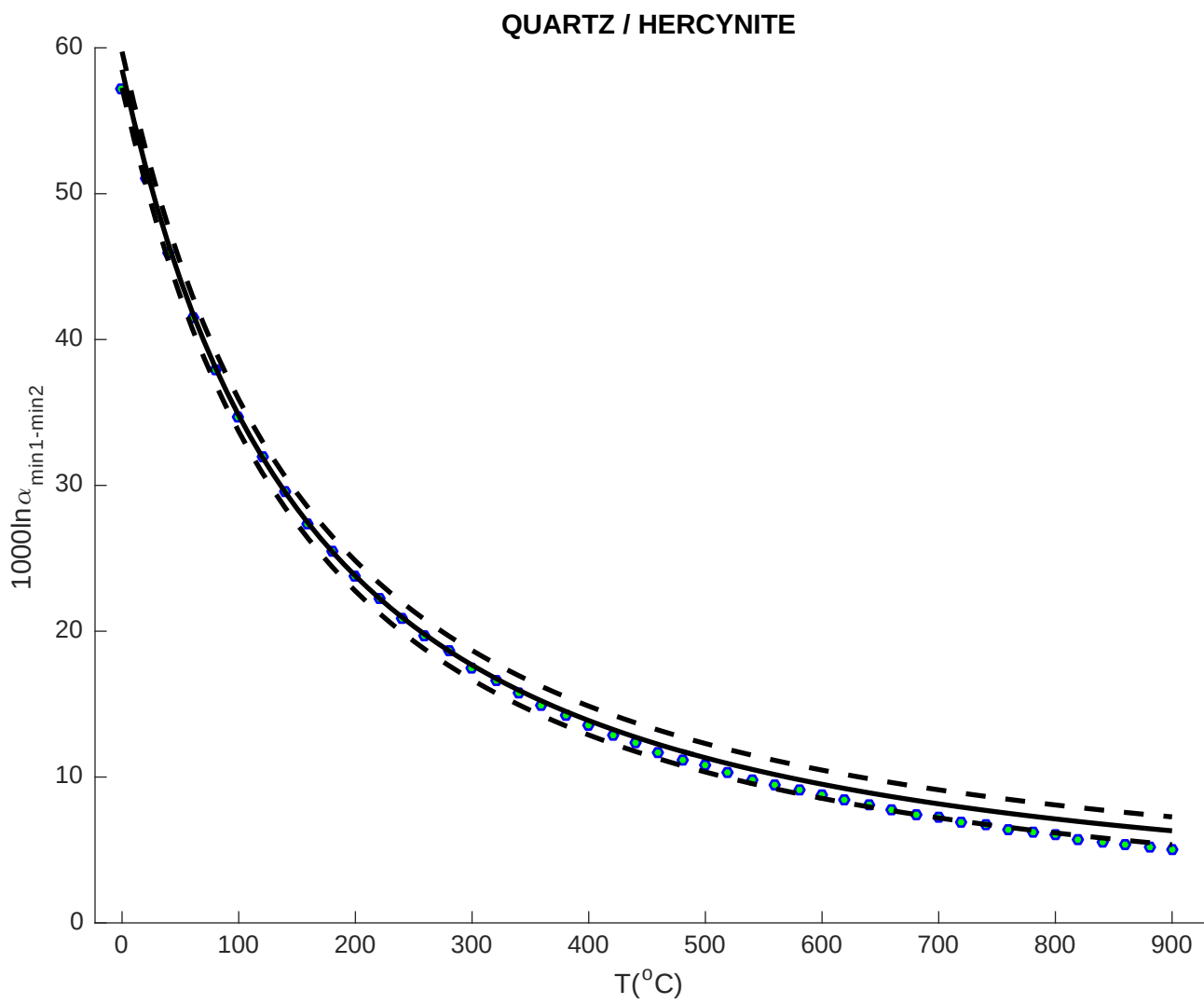


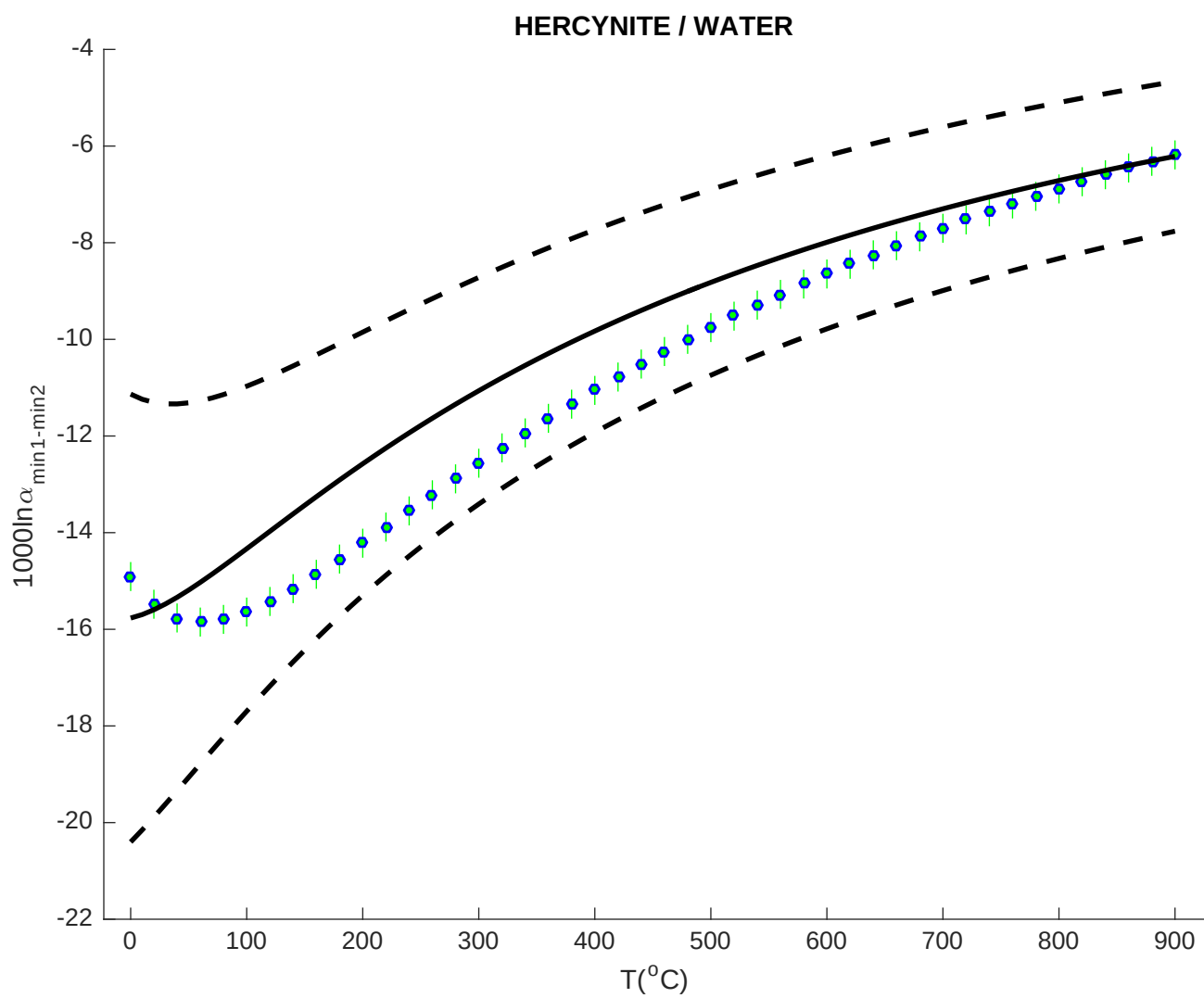
QUARTZ / CHLORITOID

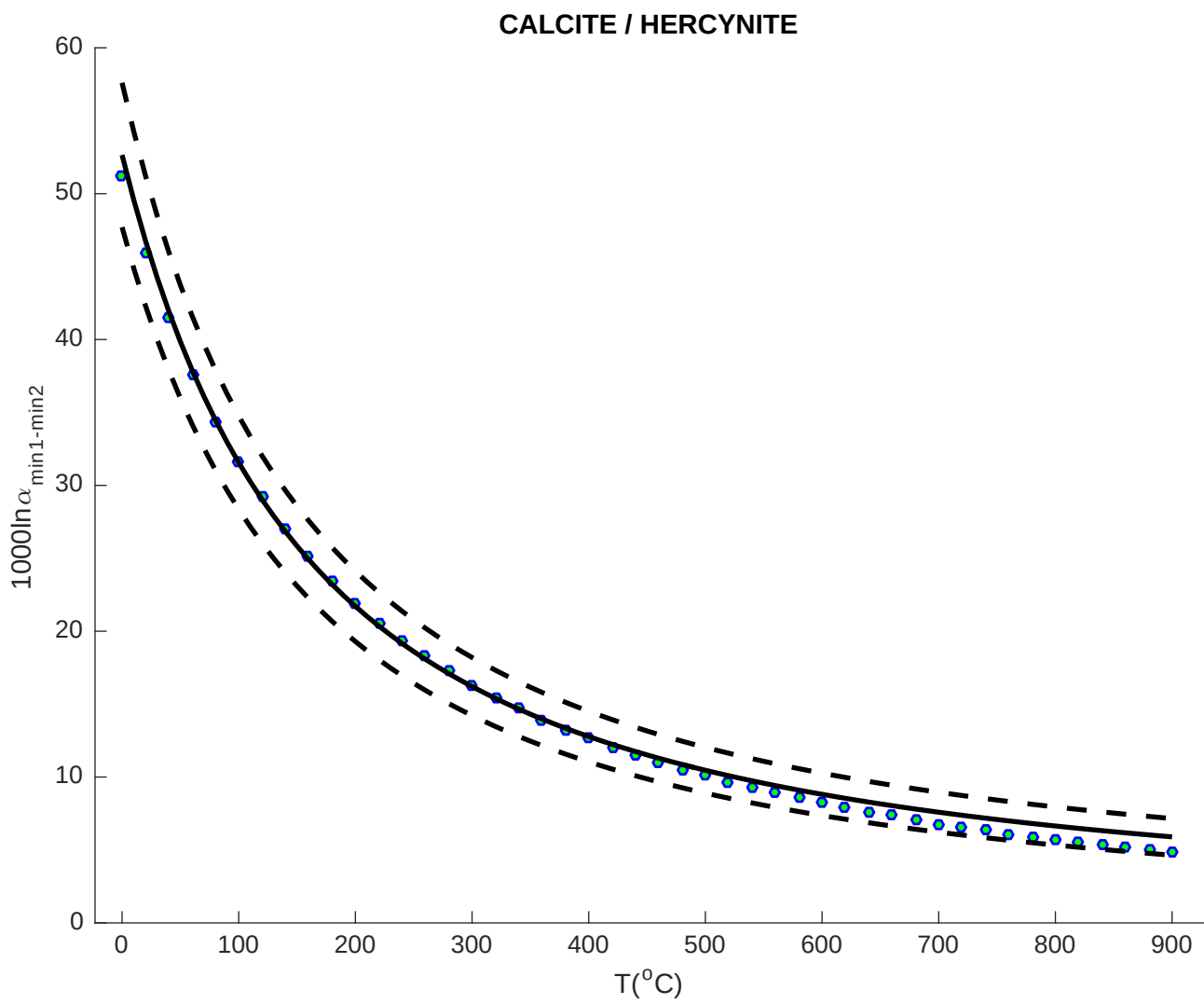


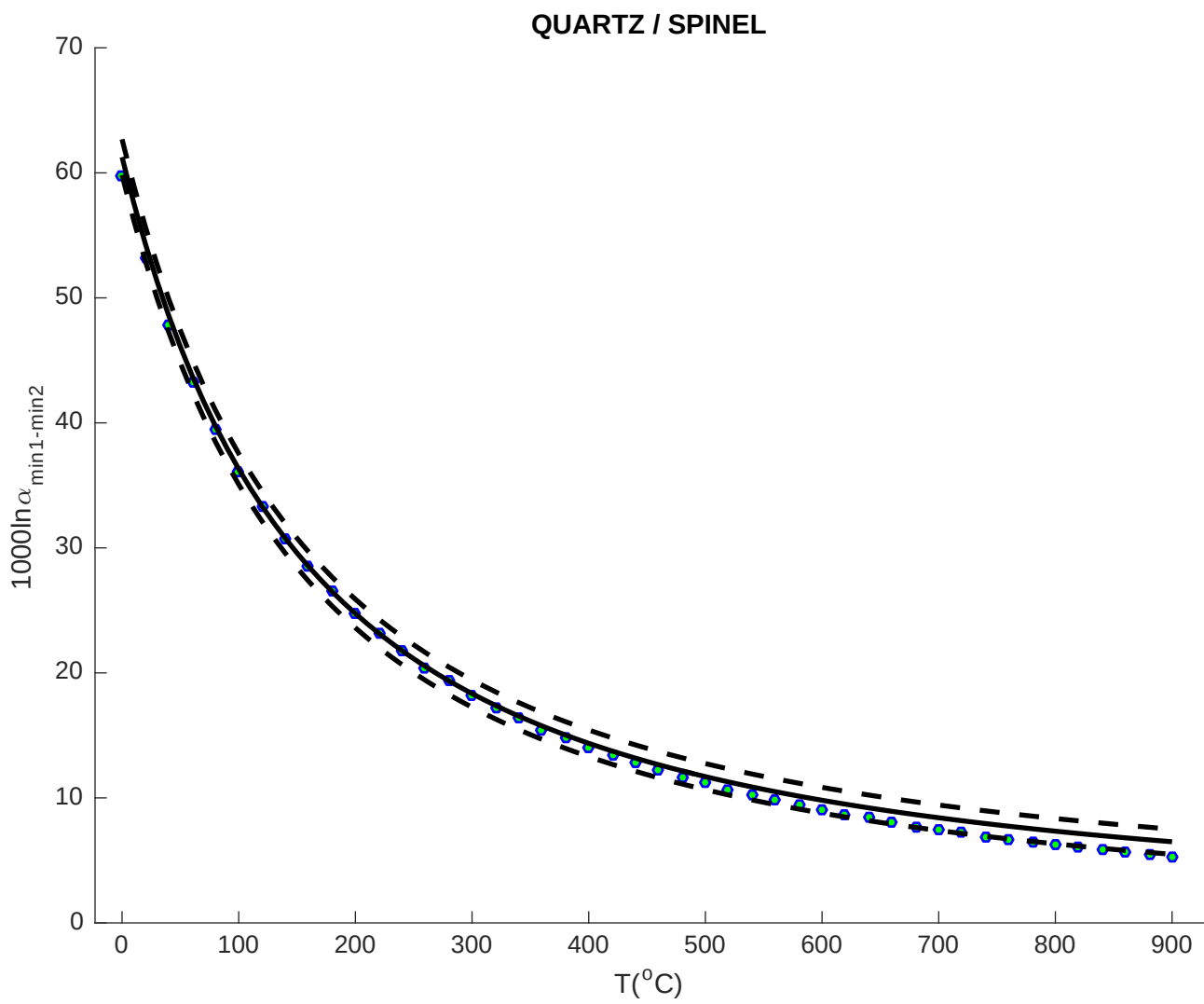


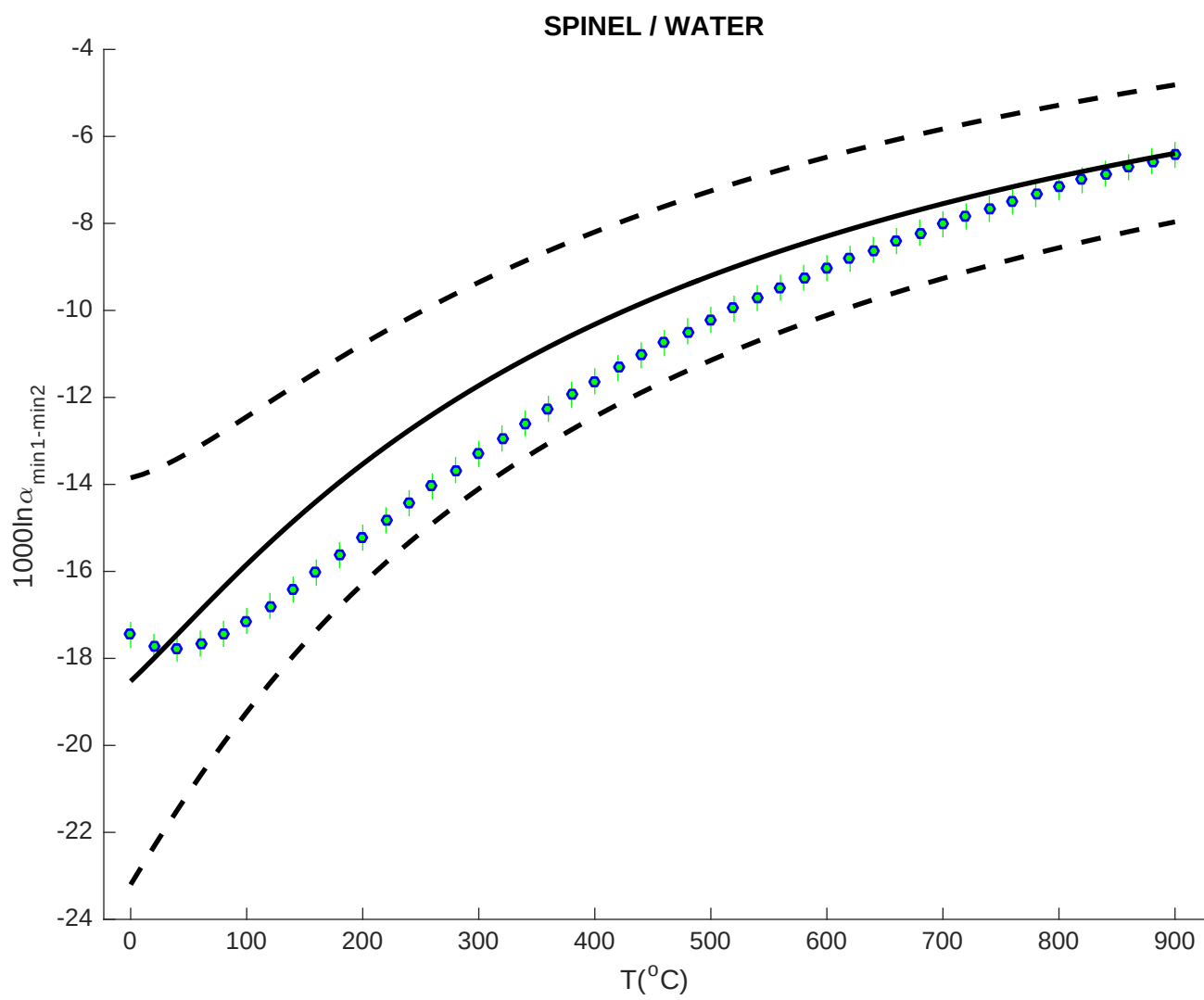


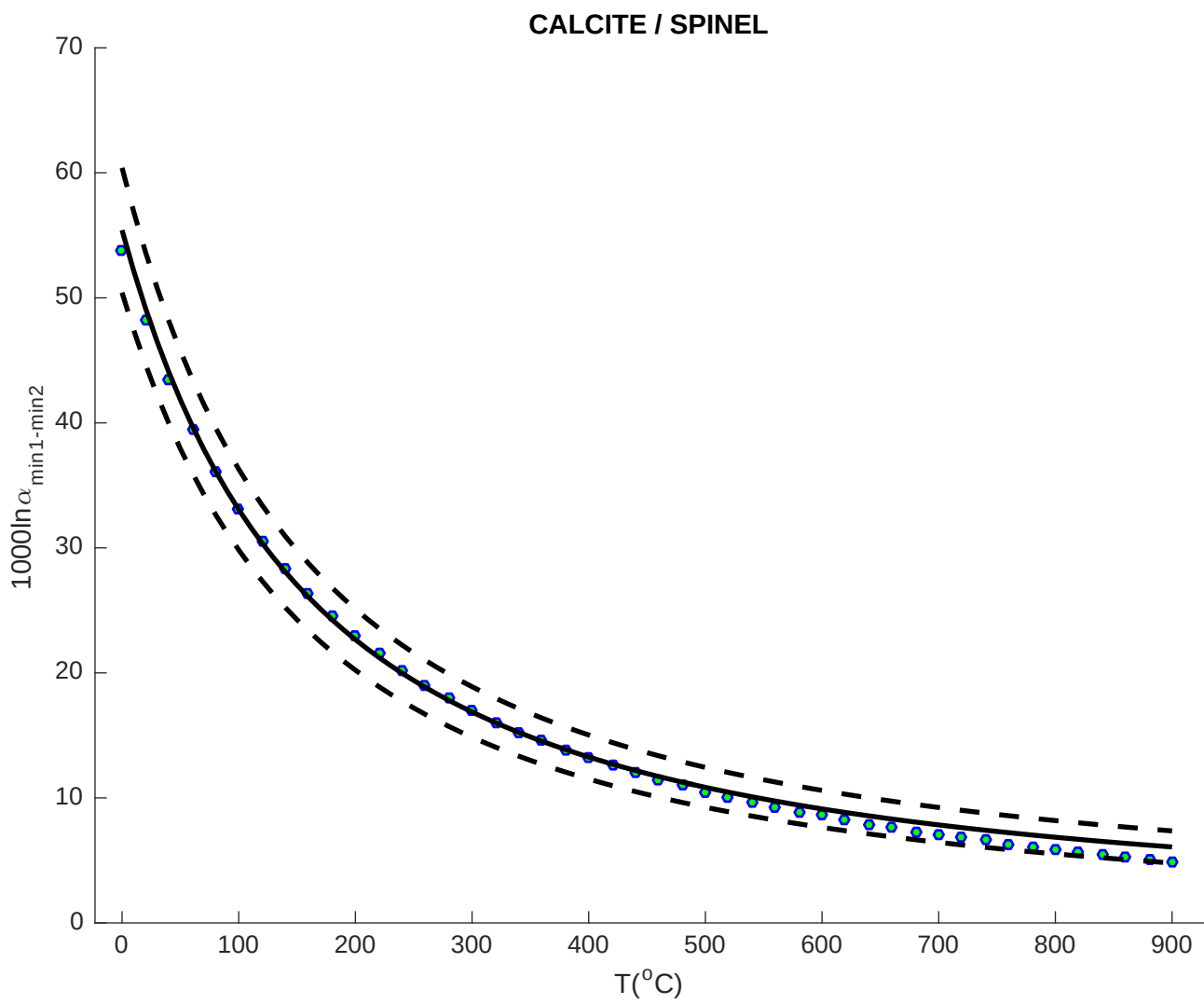


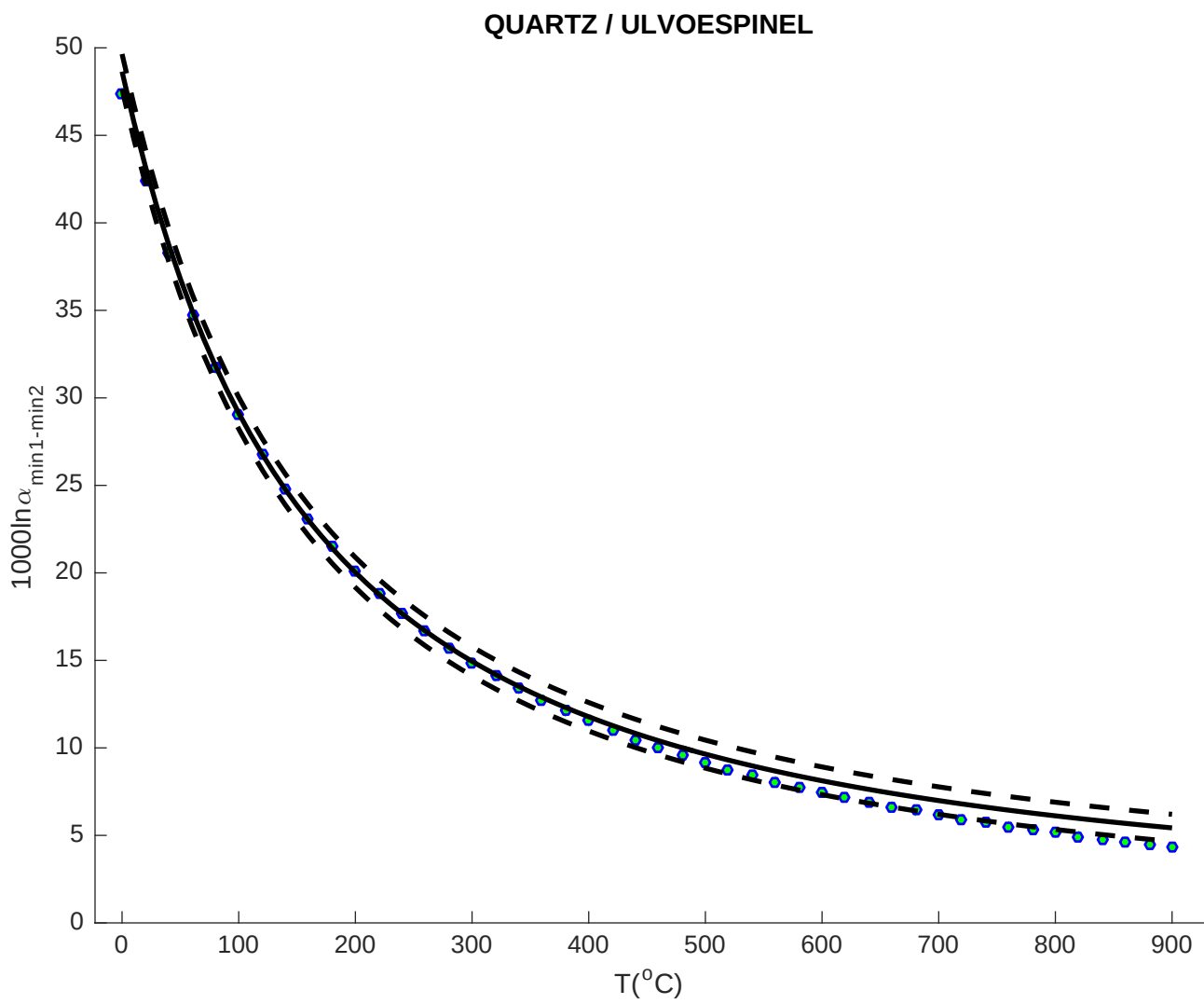


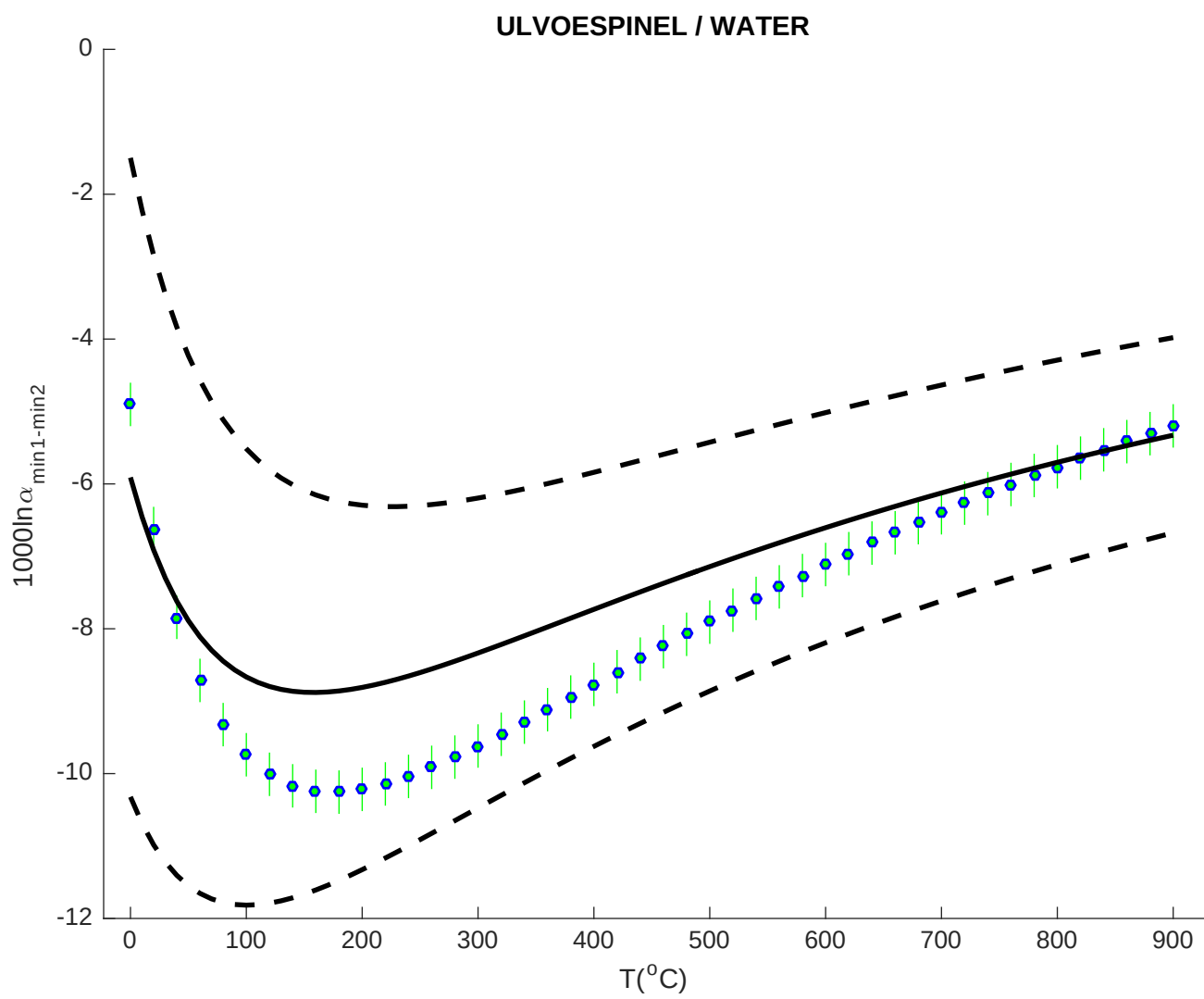


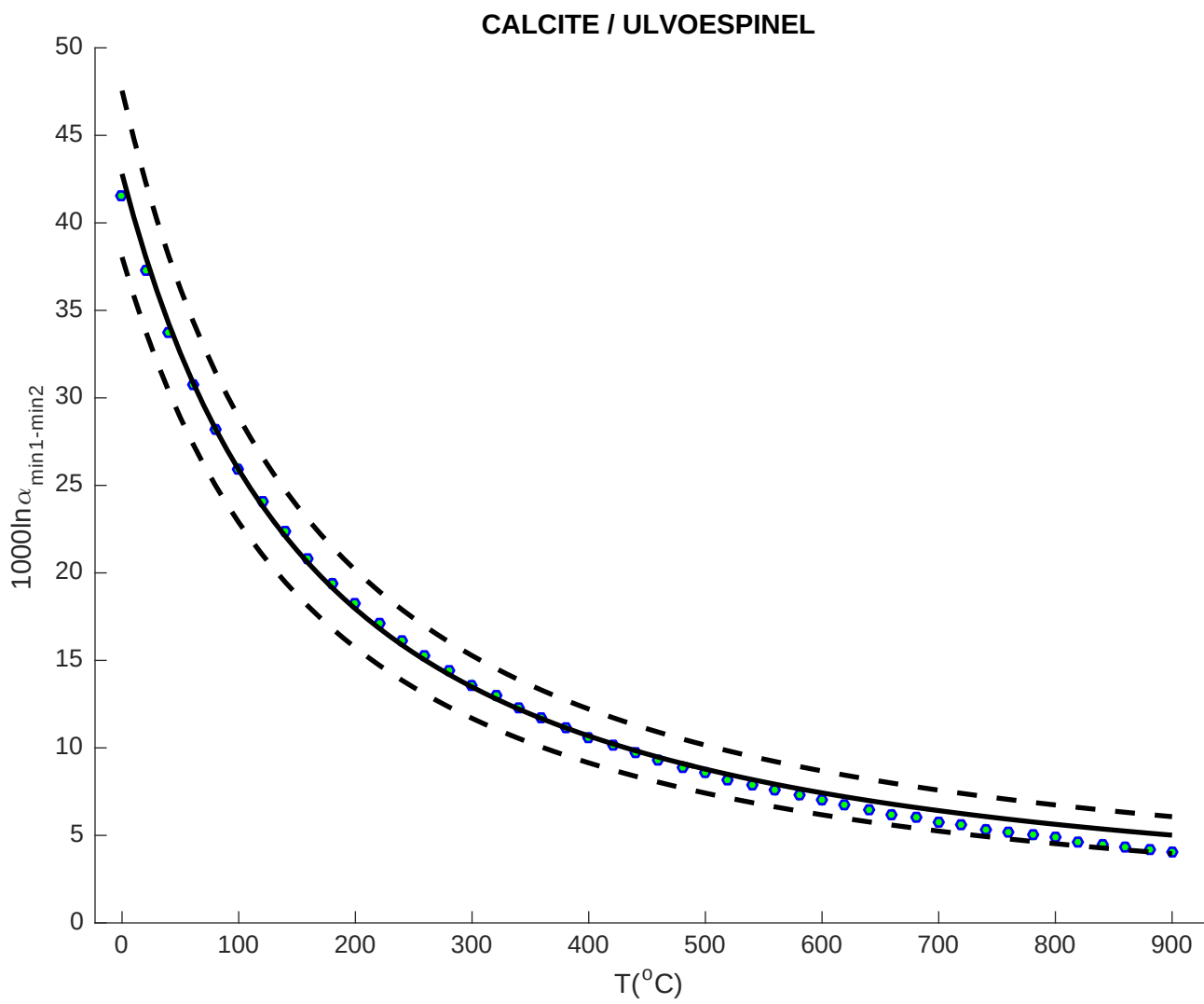


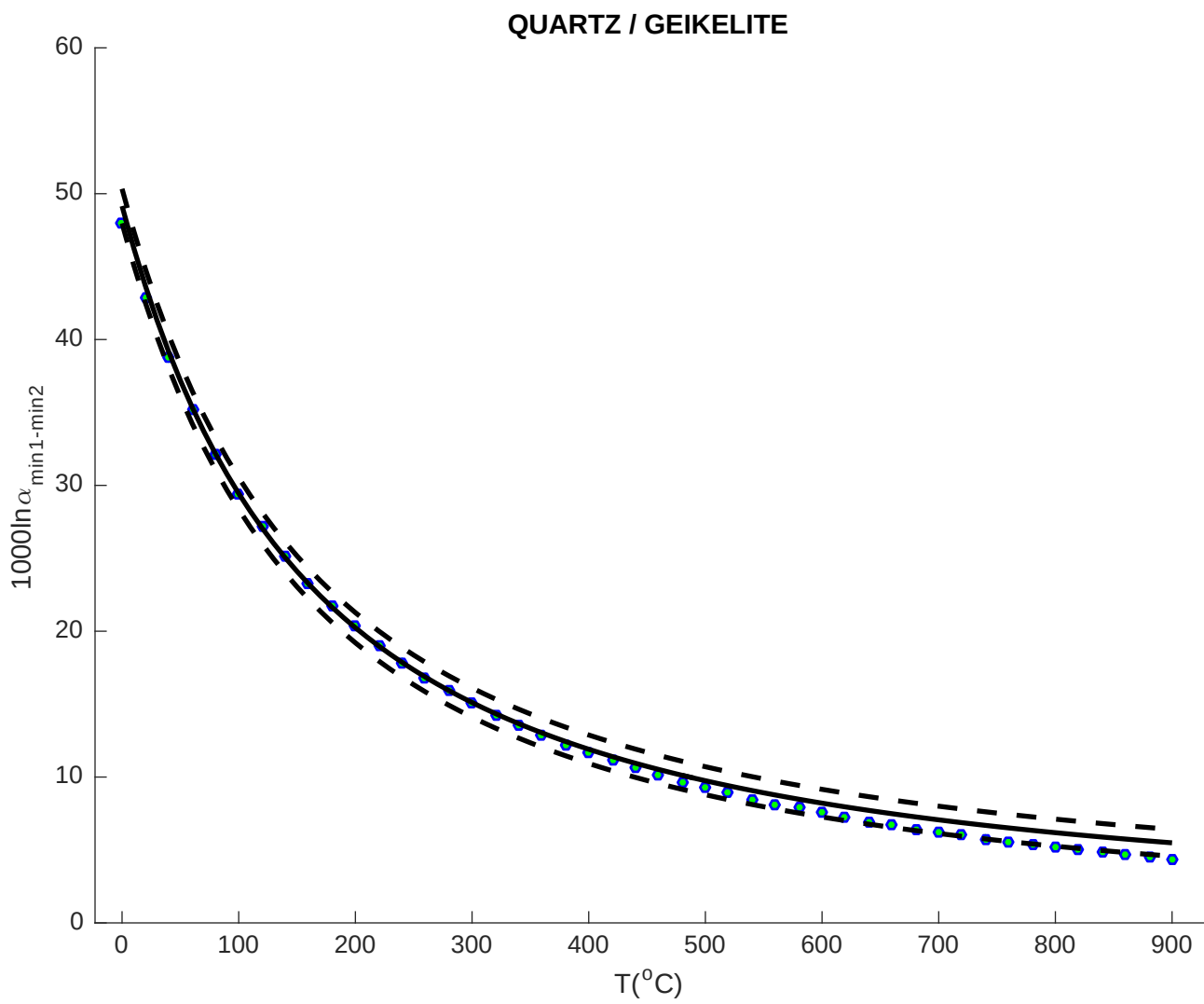


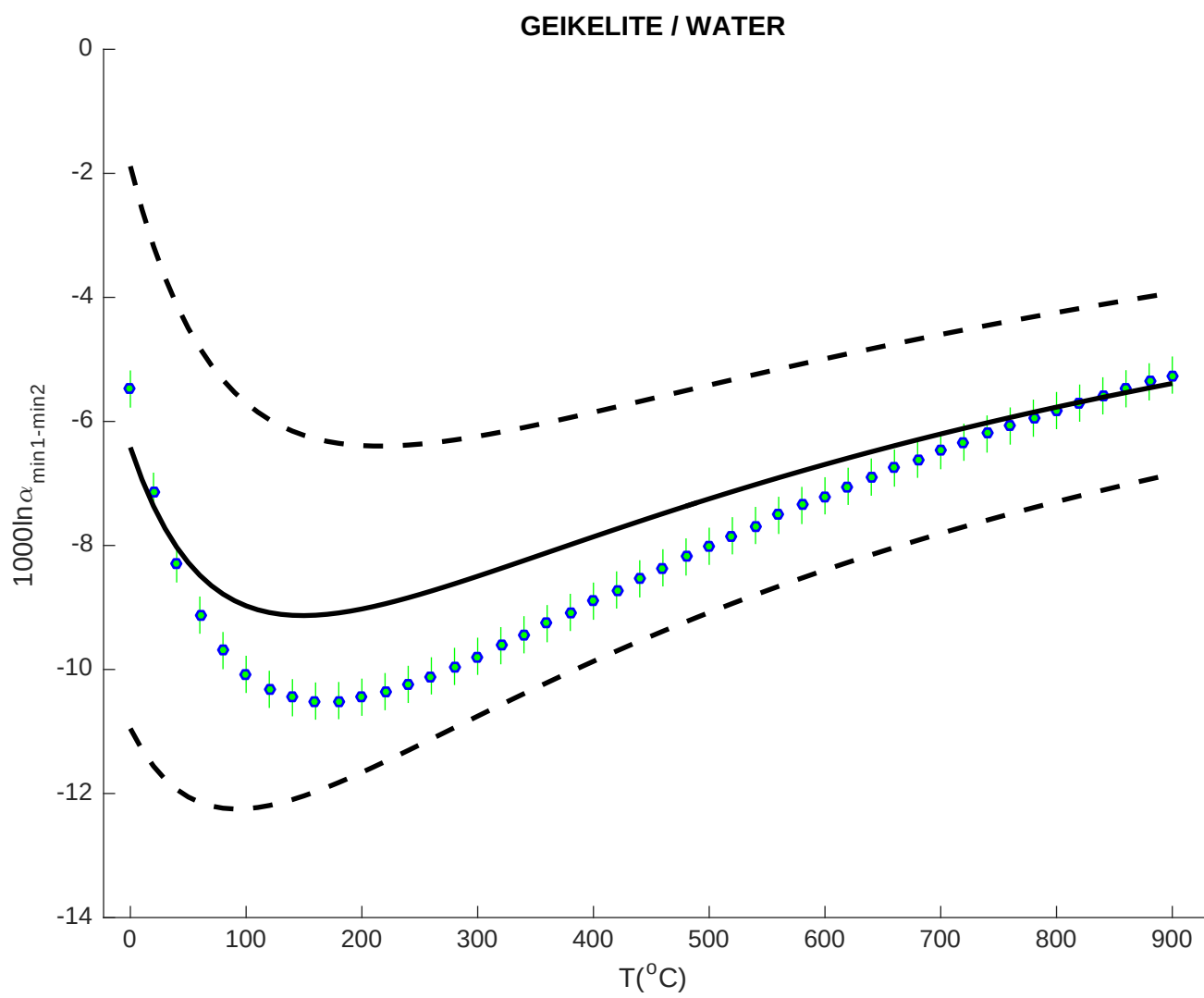


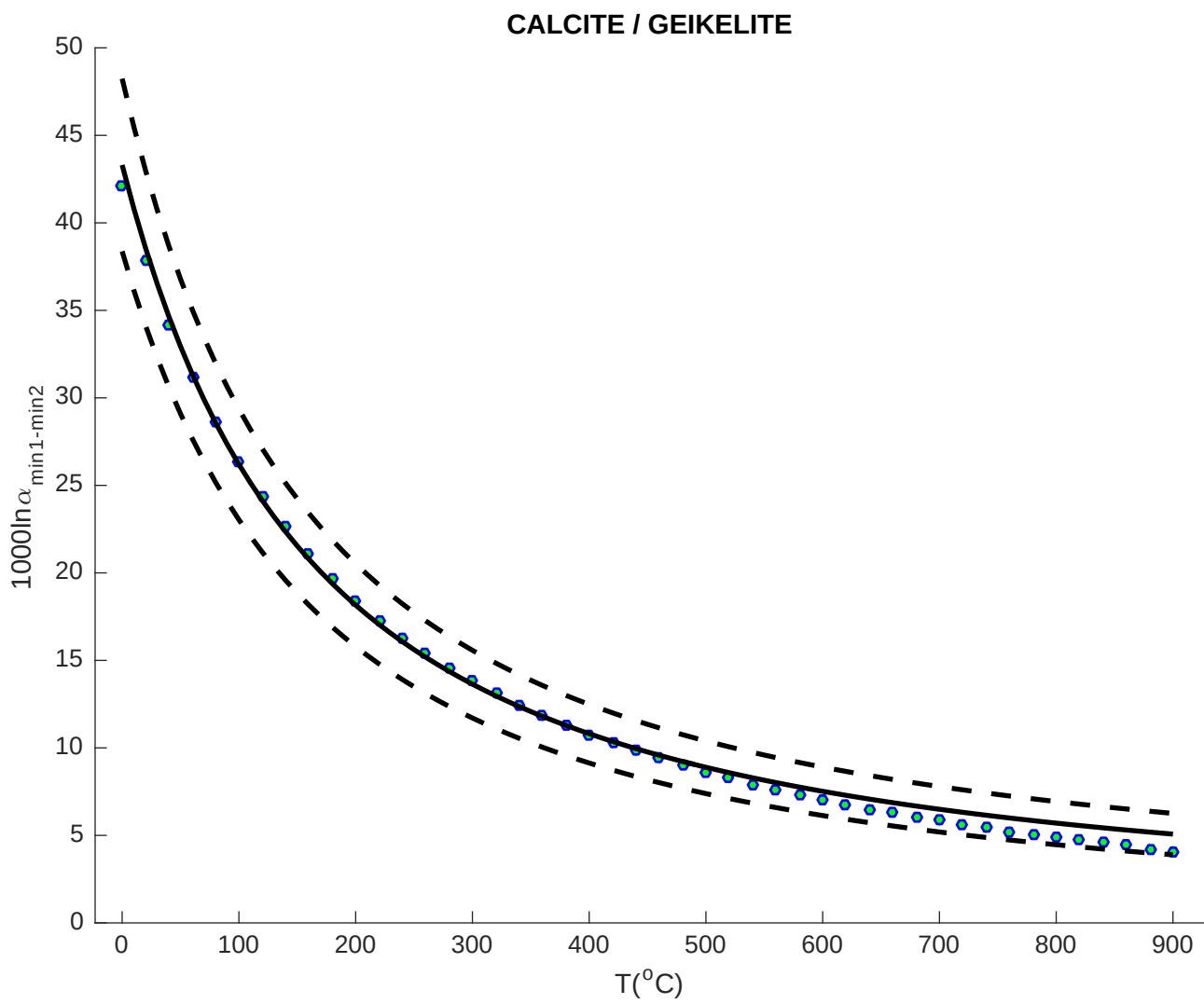




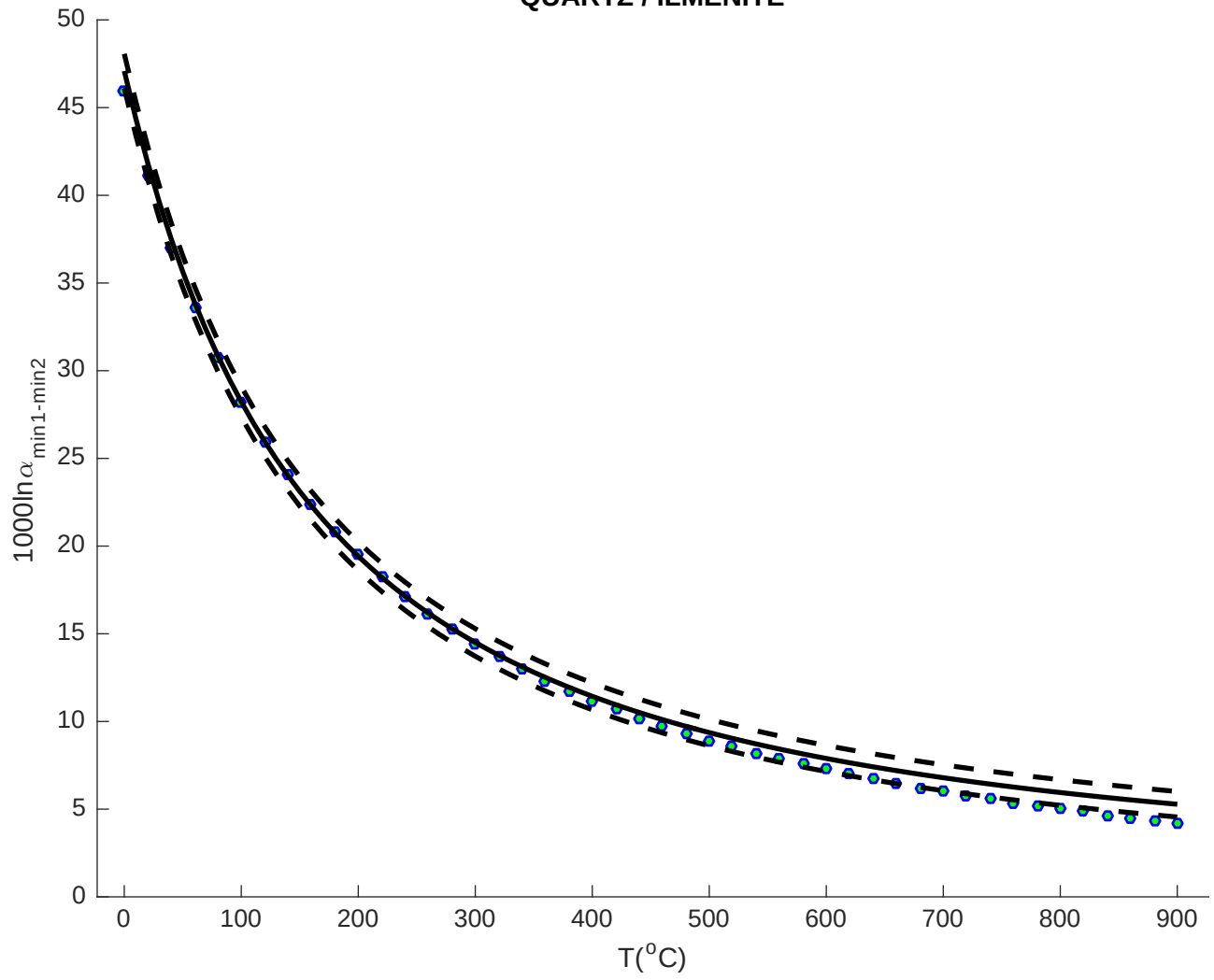


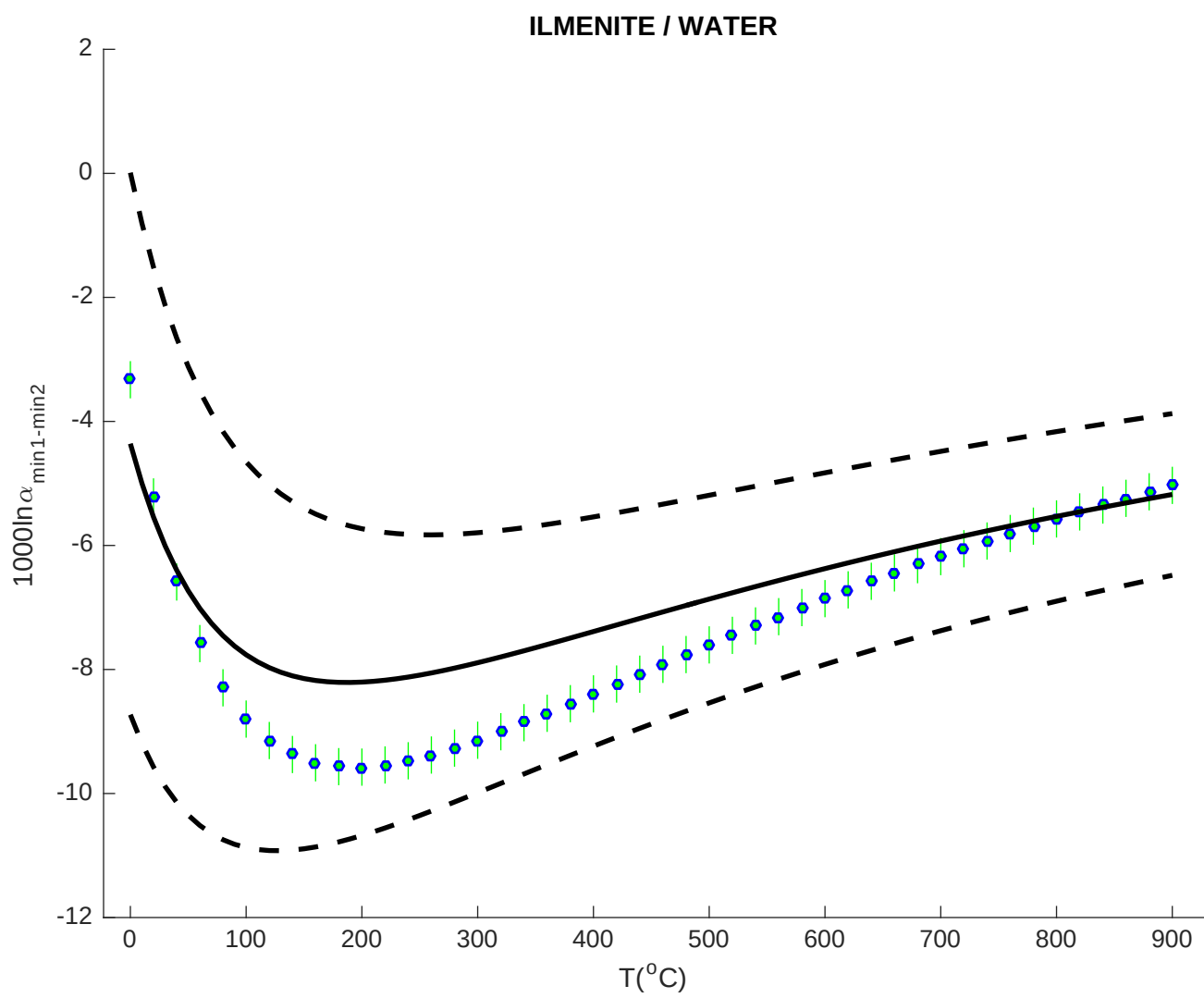




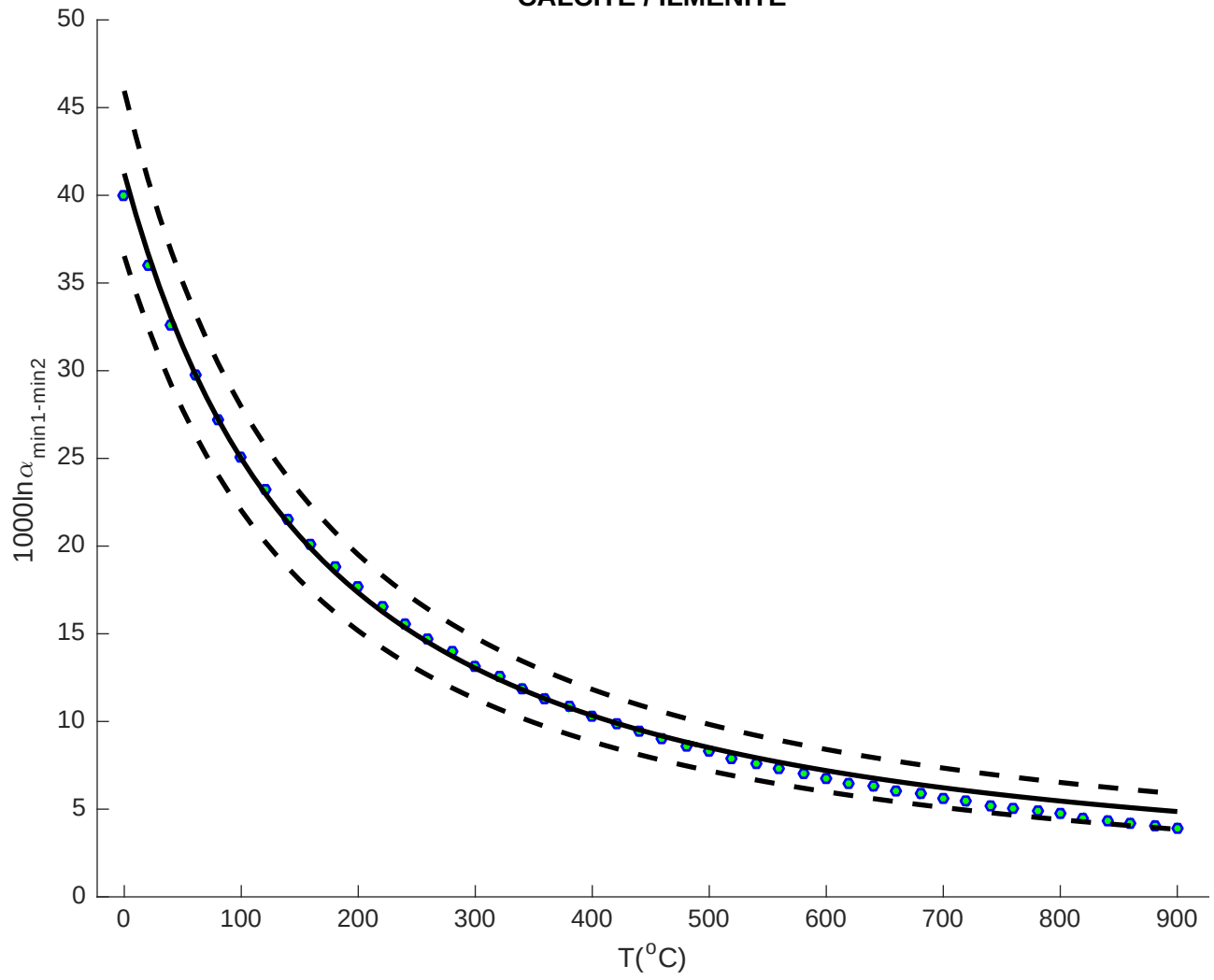


QUARTZ / ILMENITE

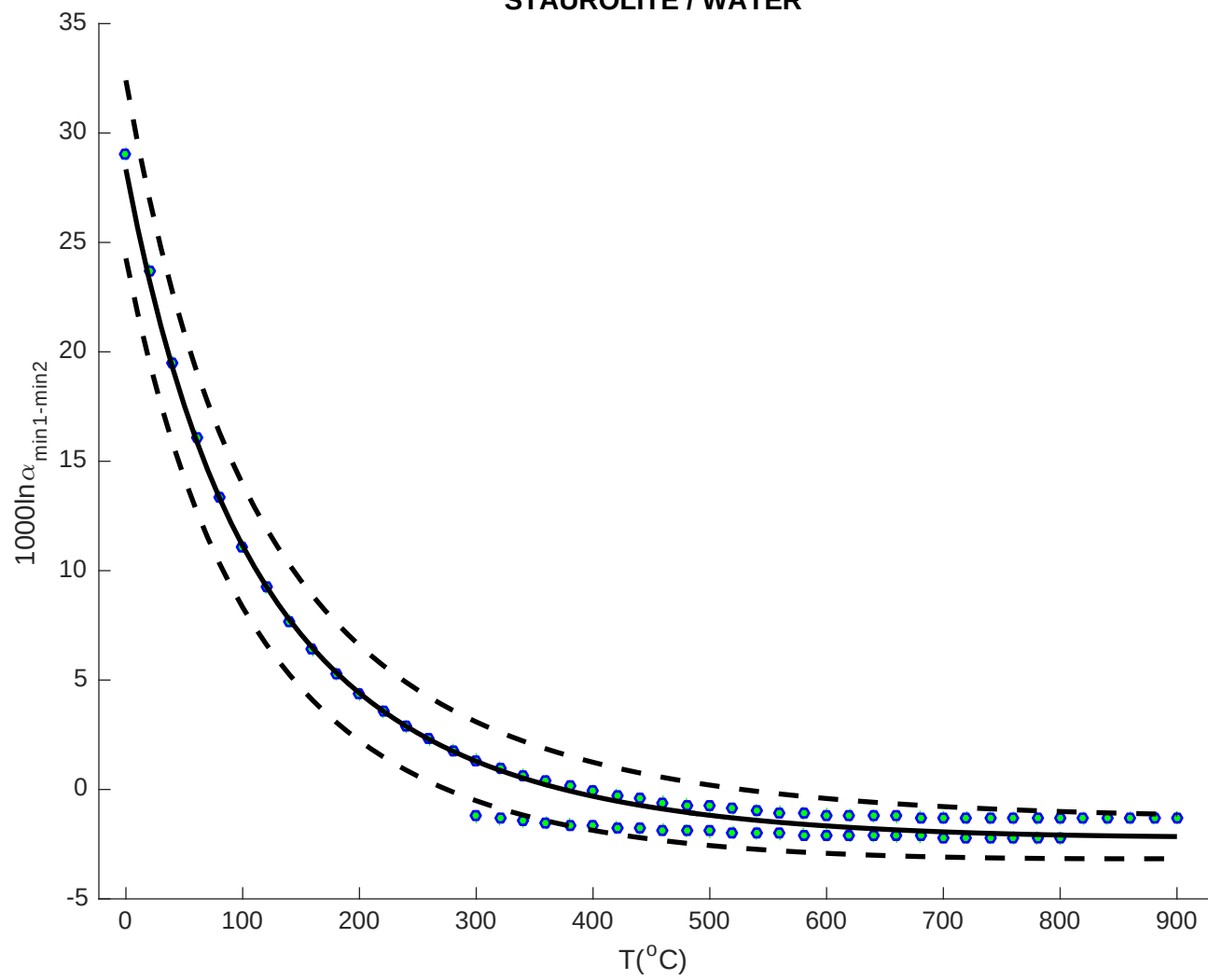


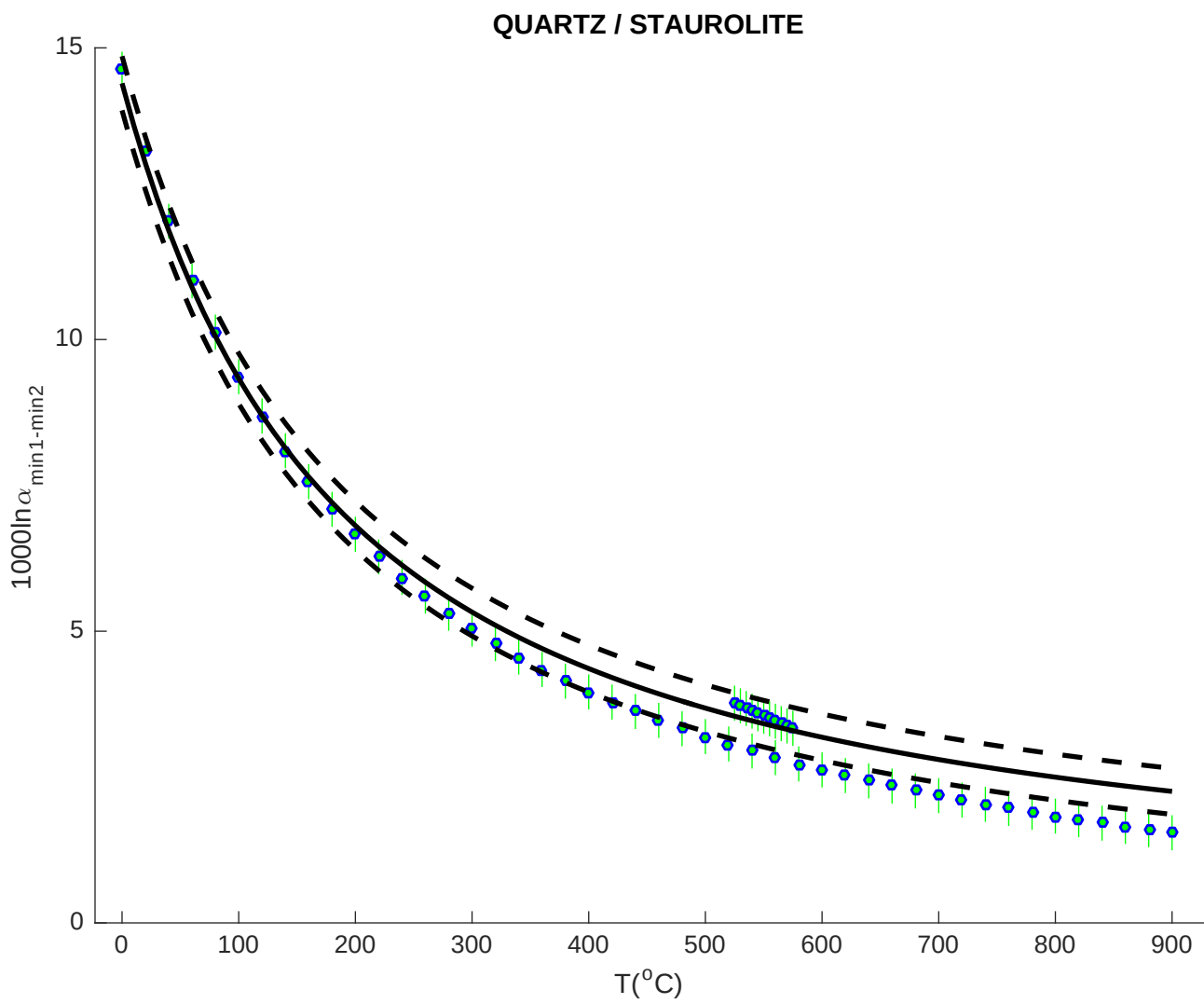


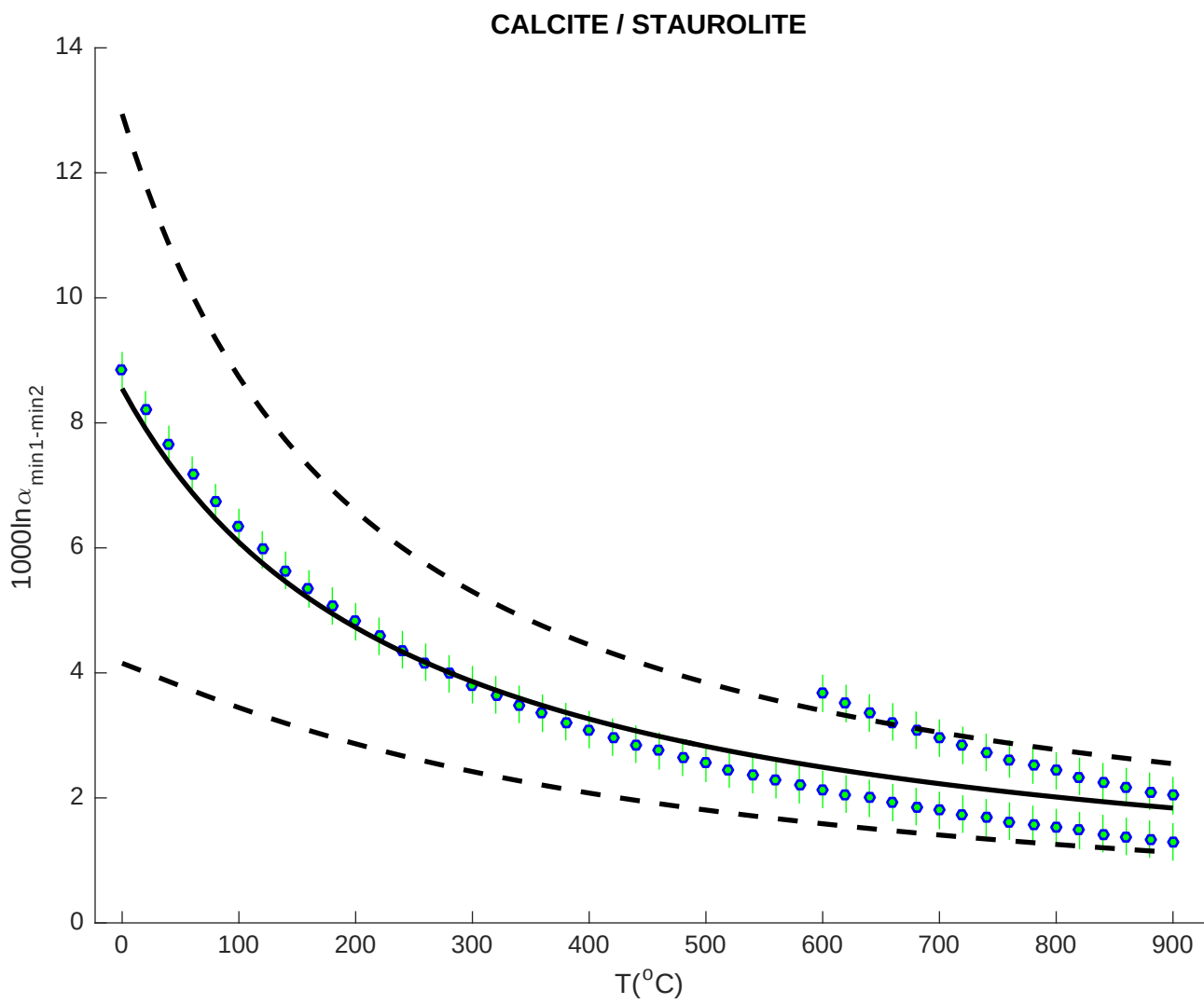
CALCITE / ILMENITE

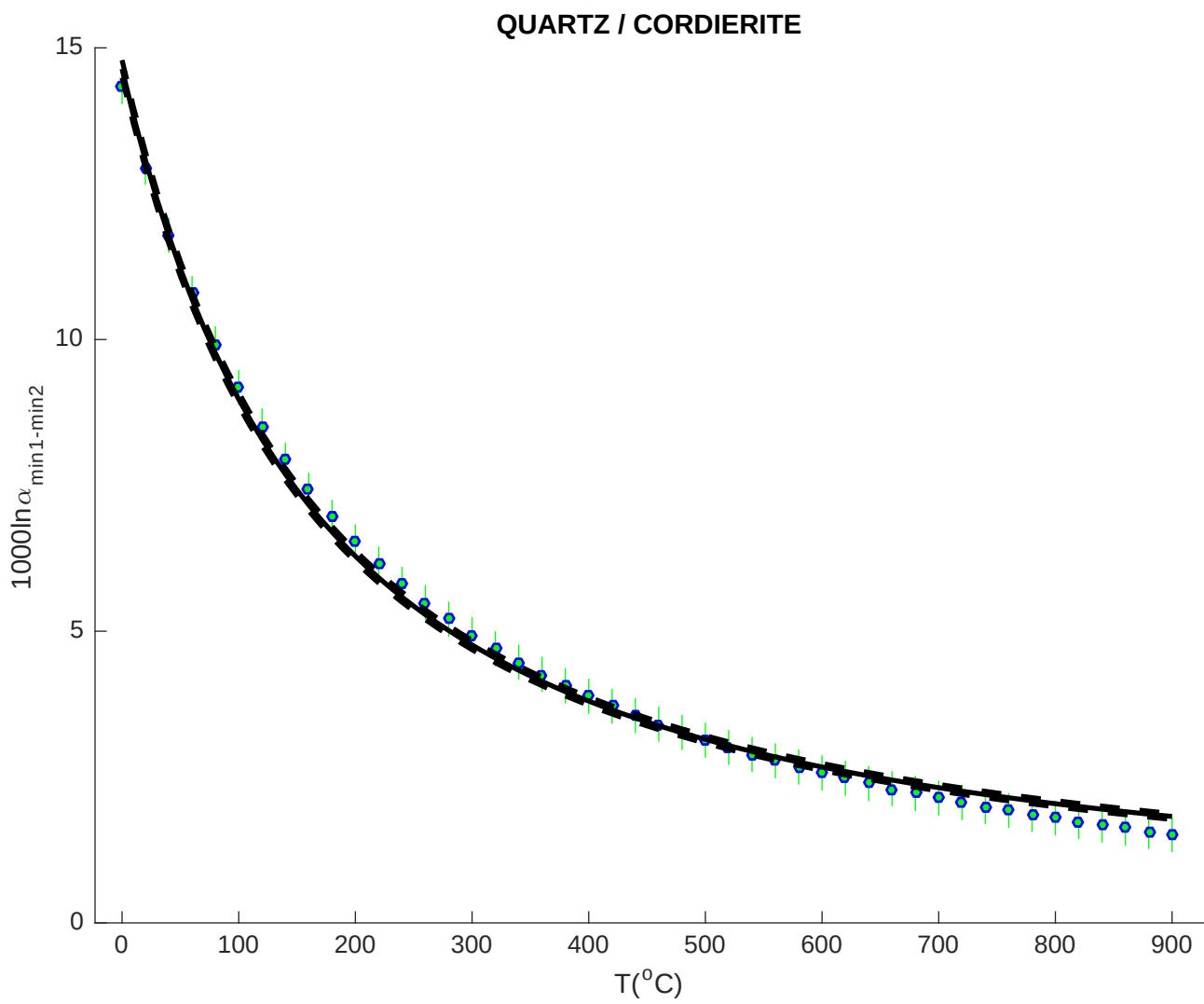


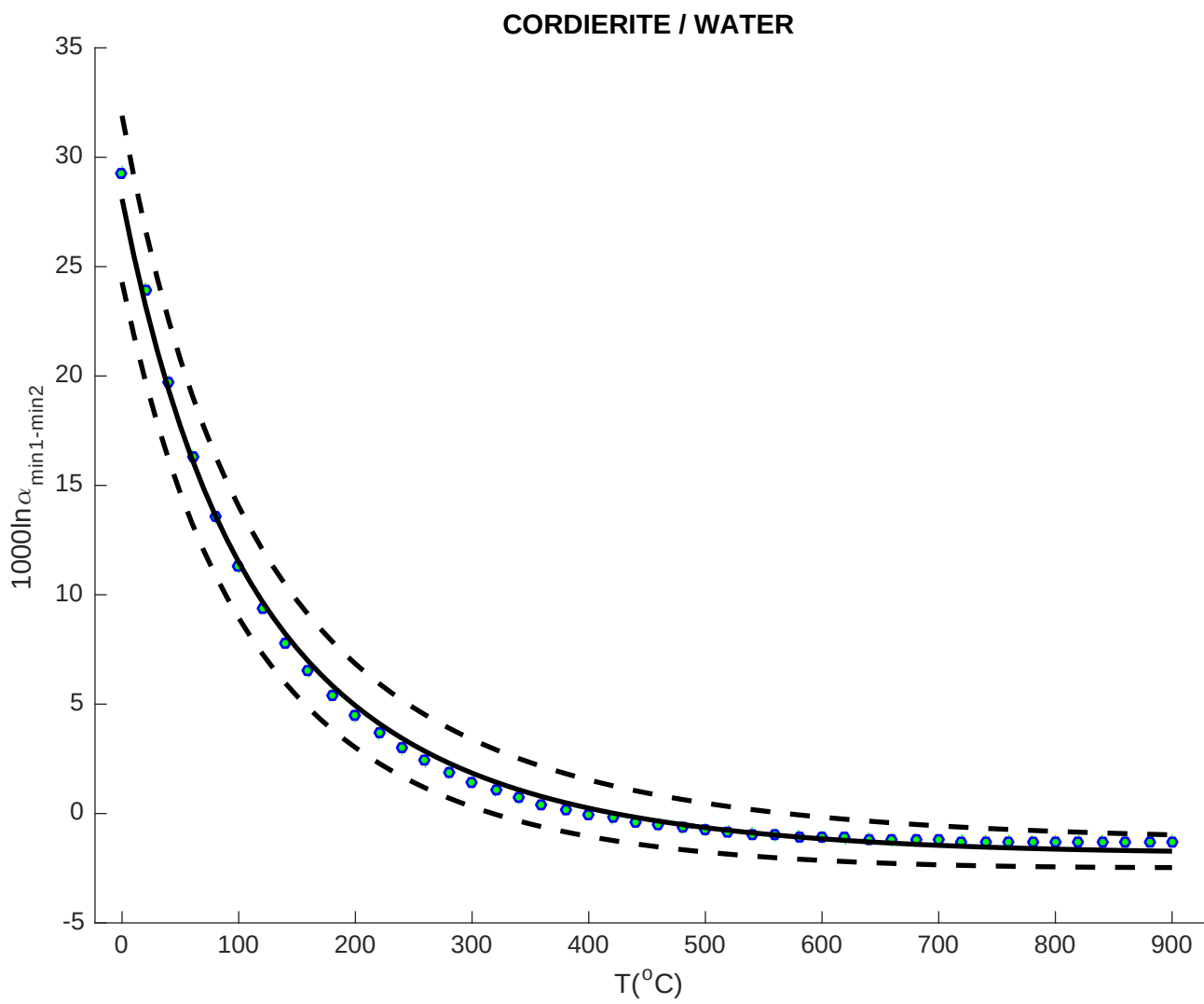
STAUROLITE / WATER



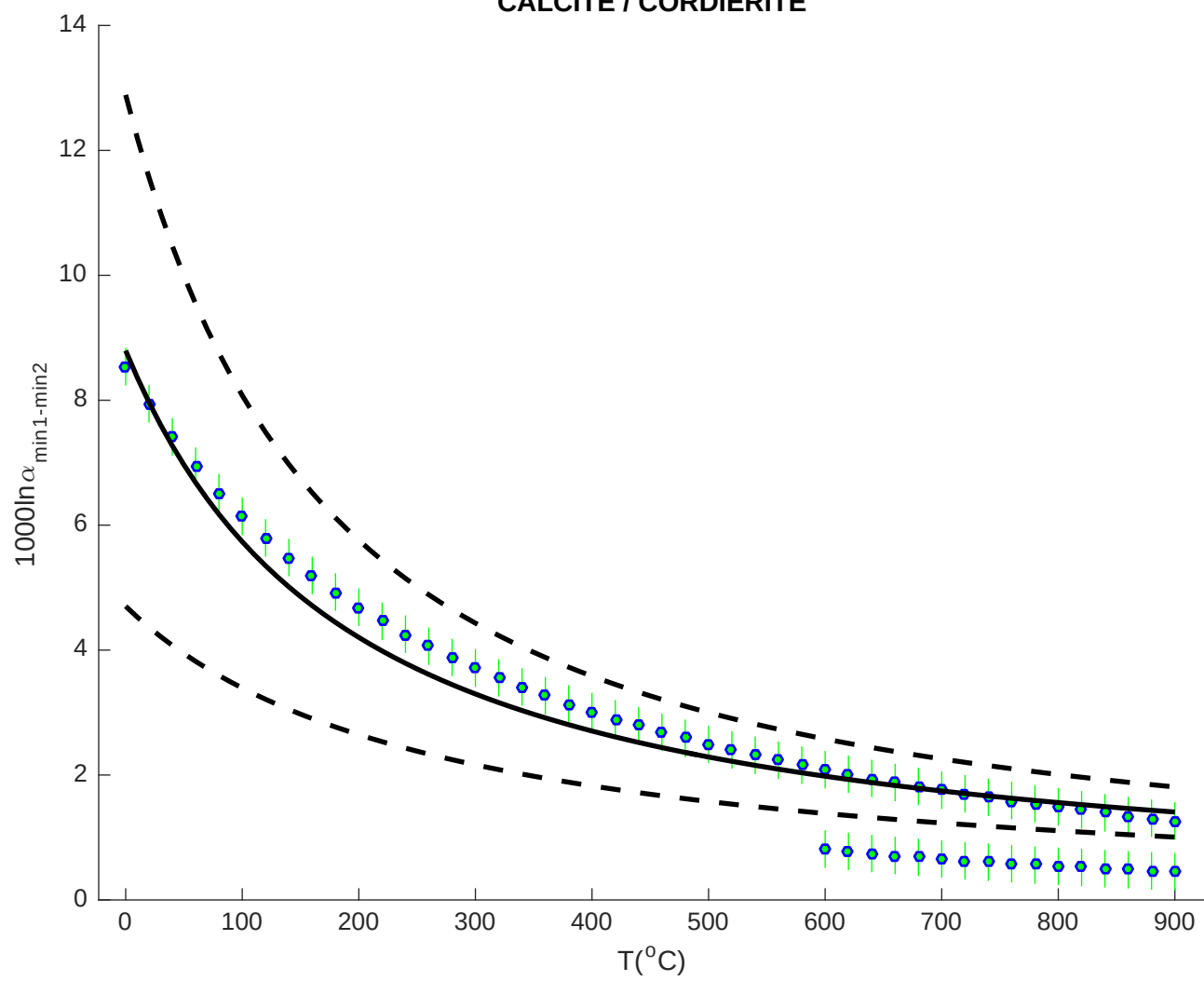


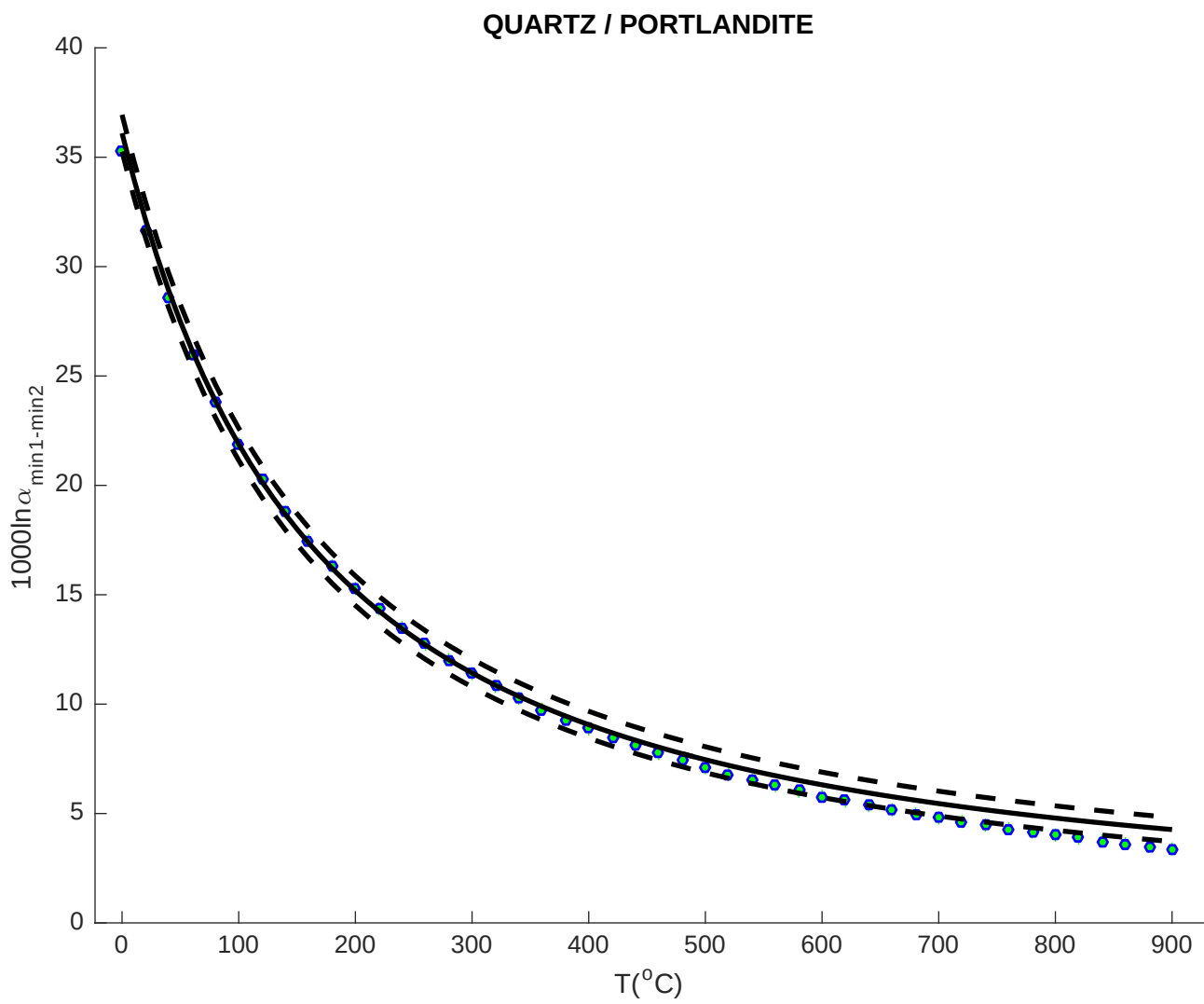


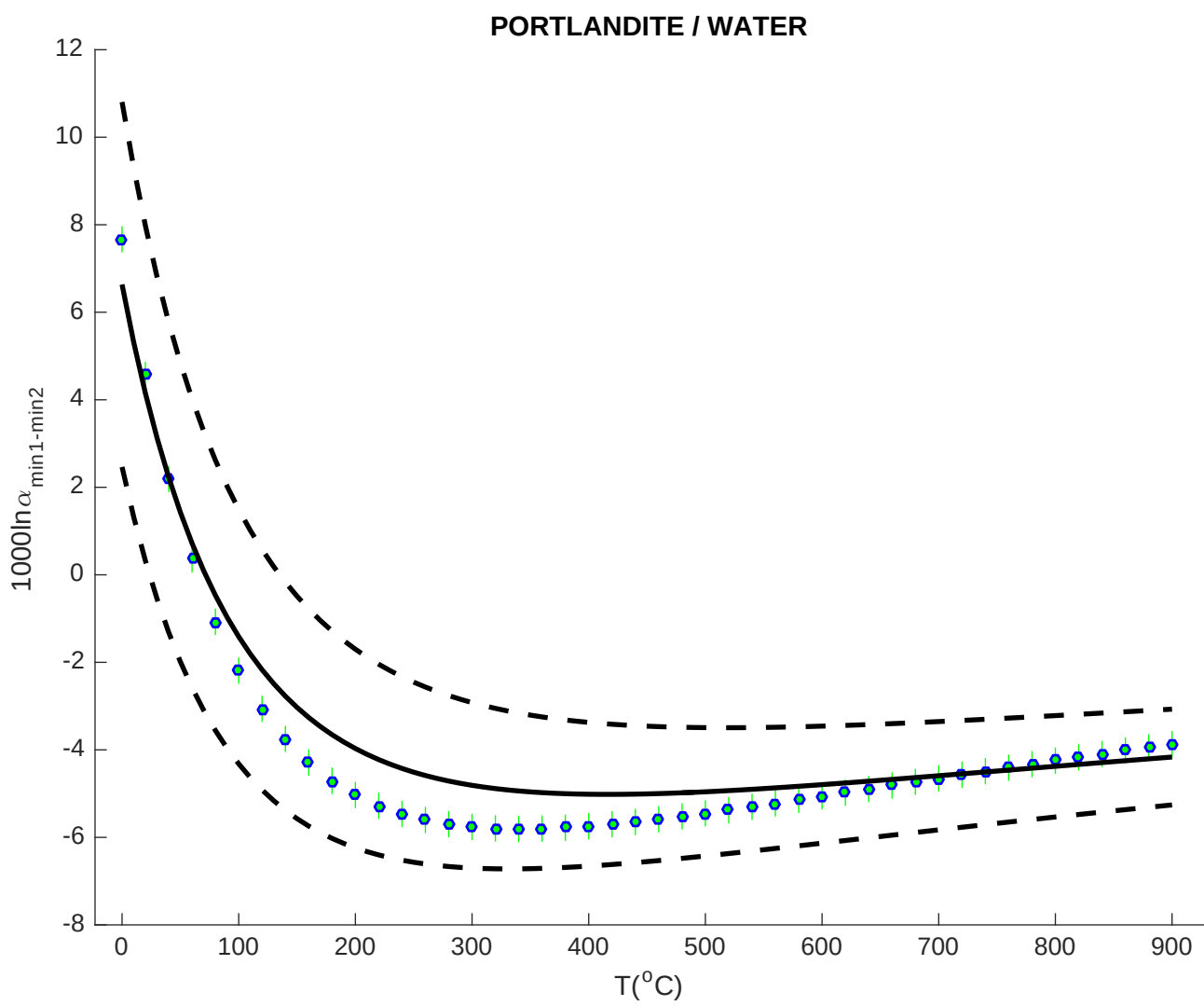


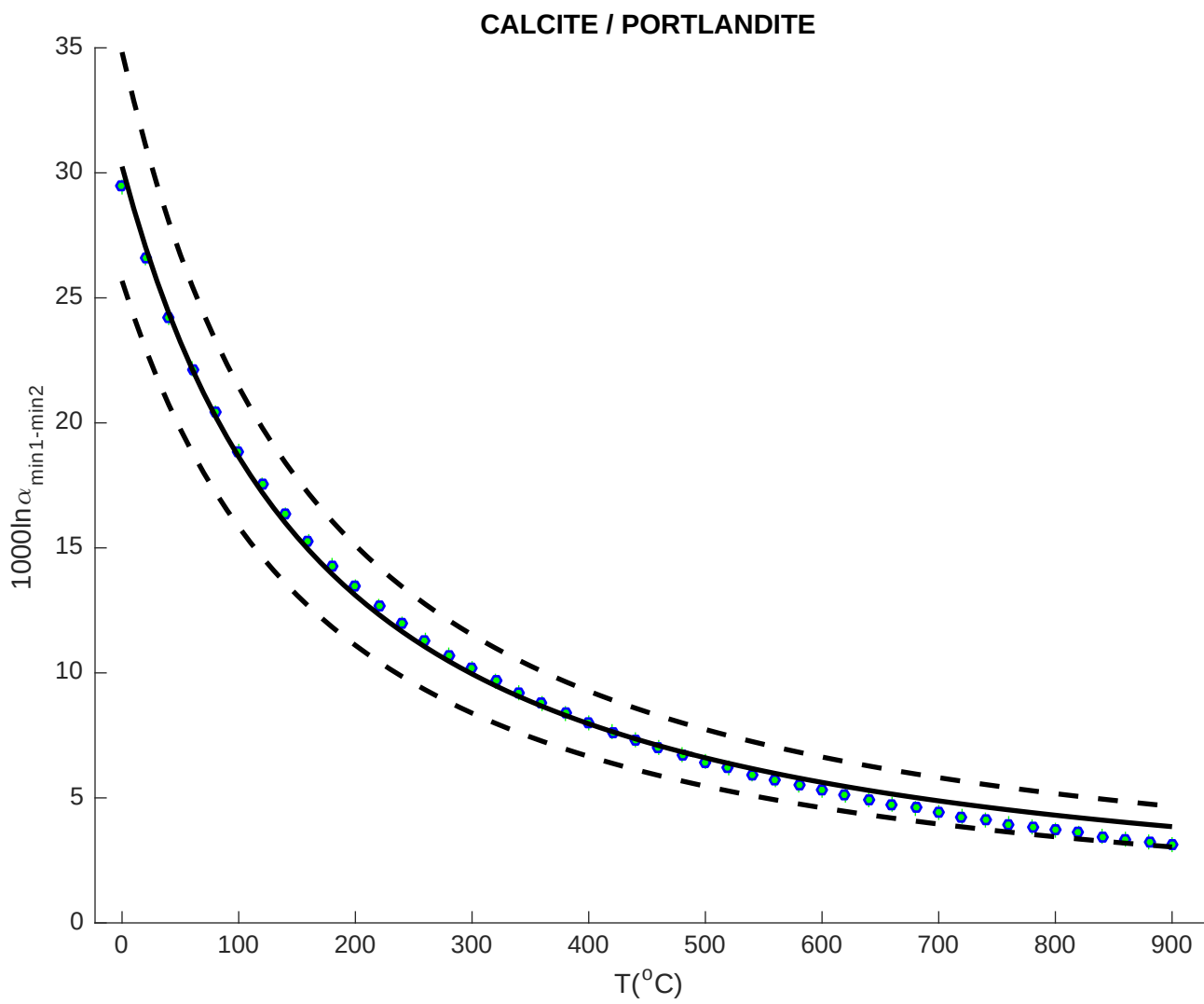


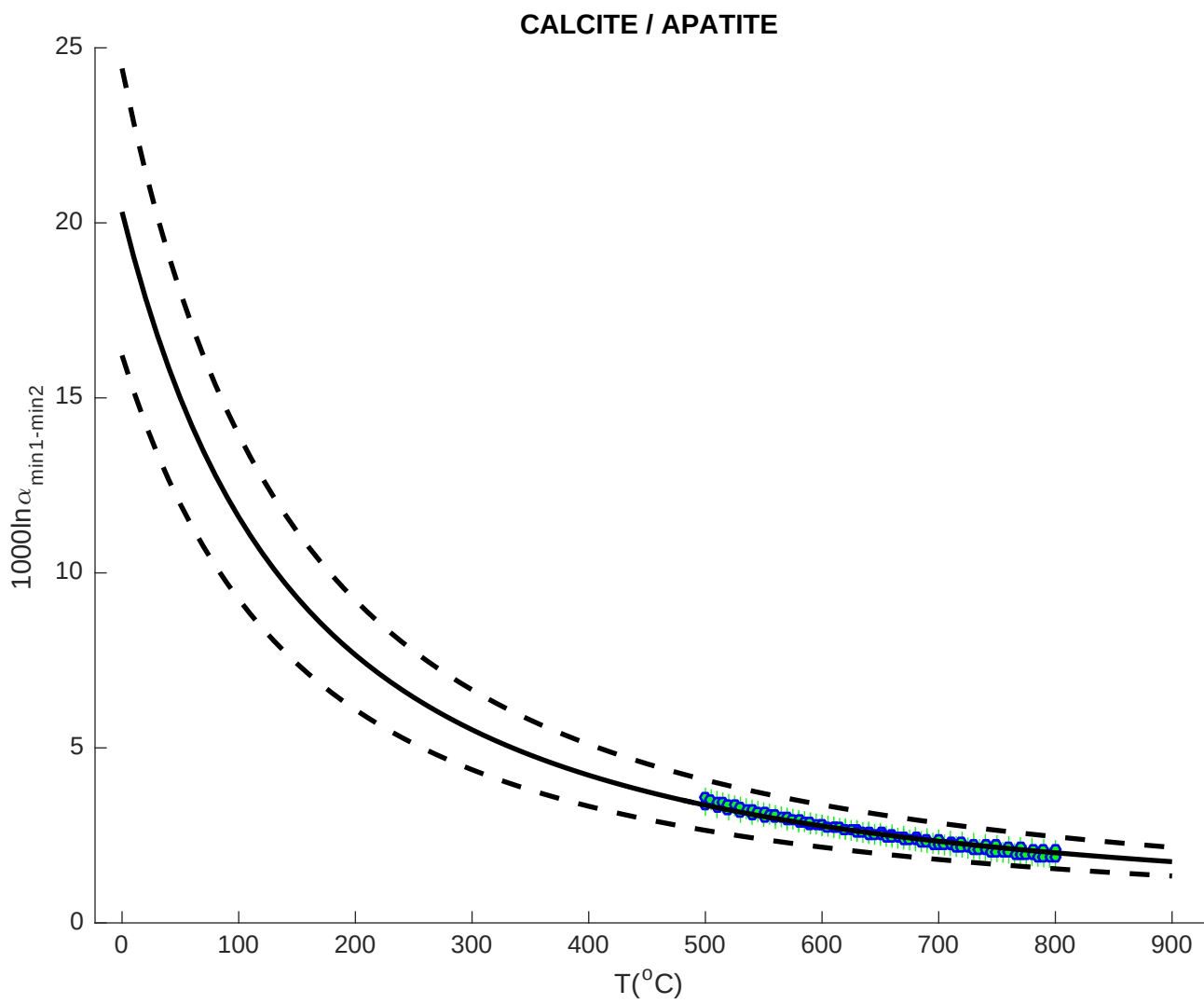
CALCITE / CORDIERITE



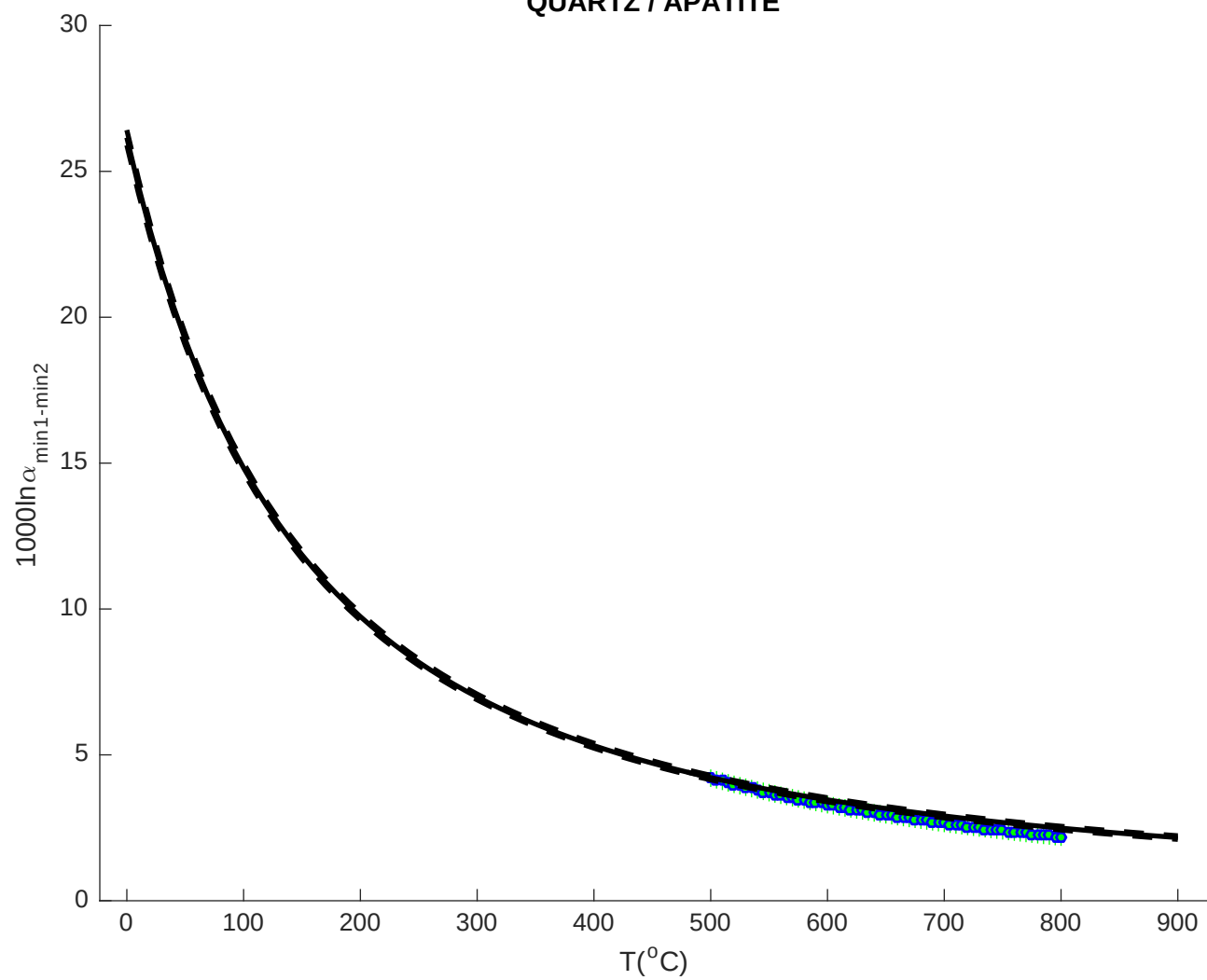


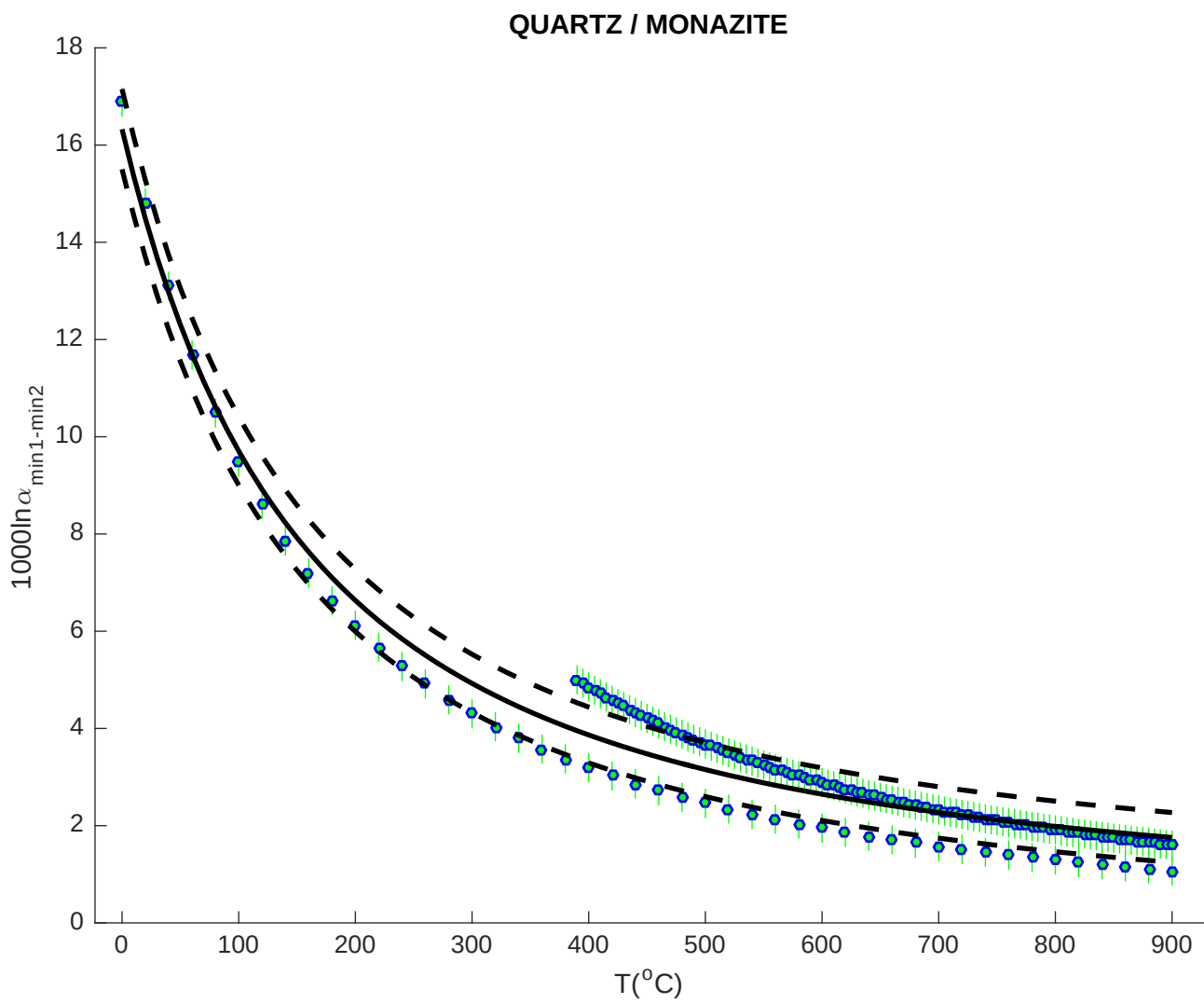


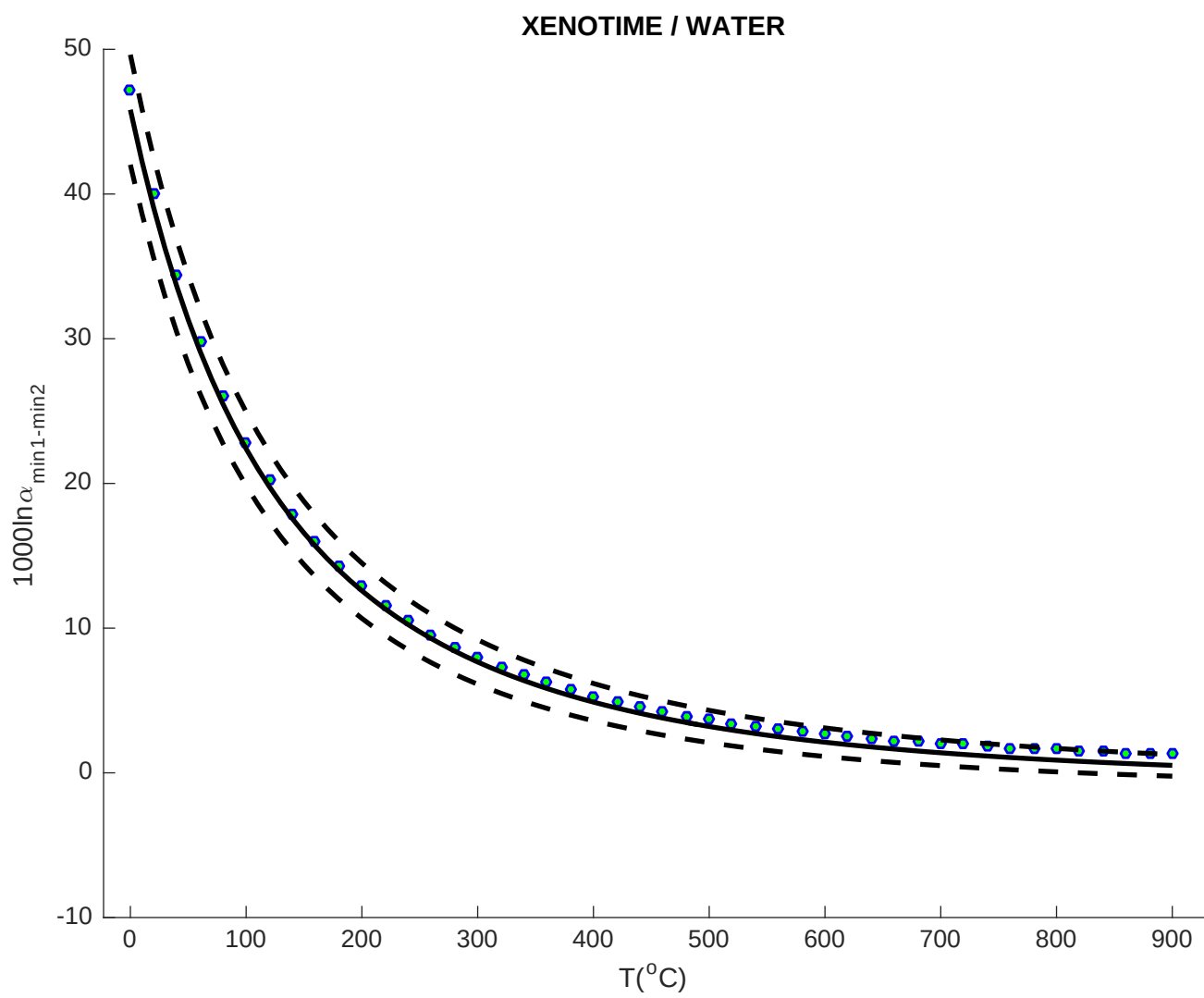


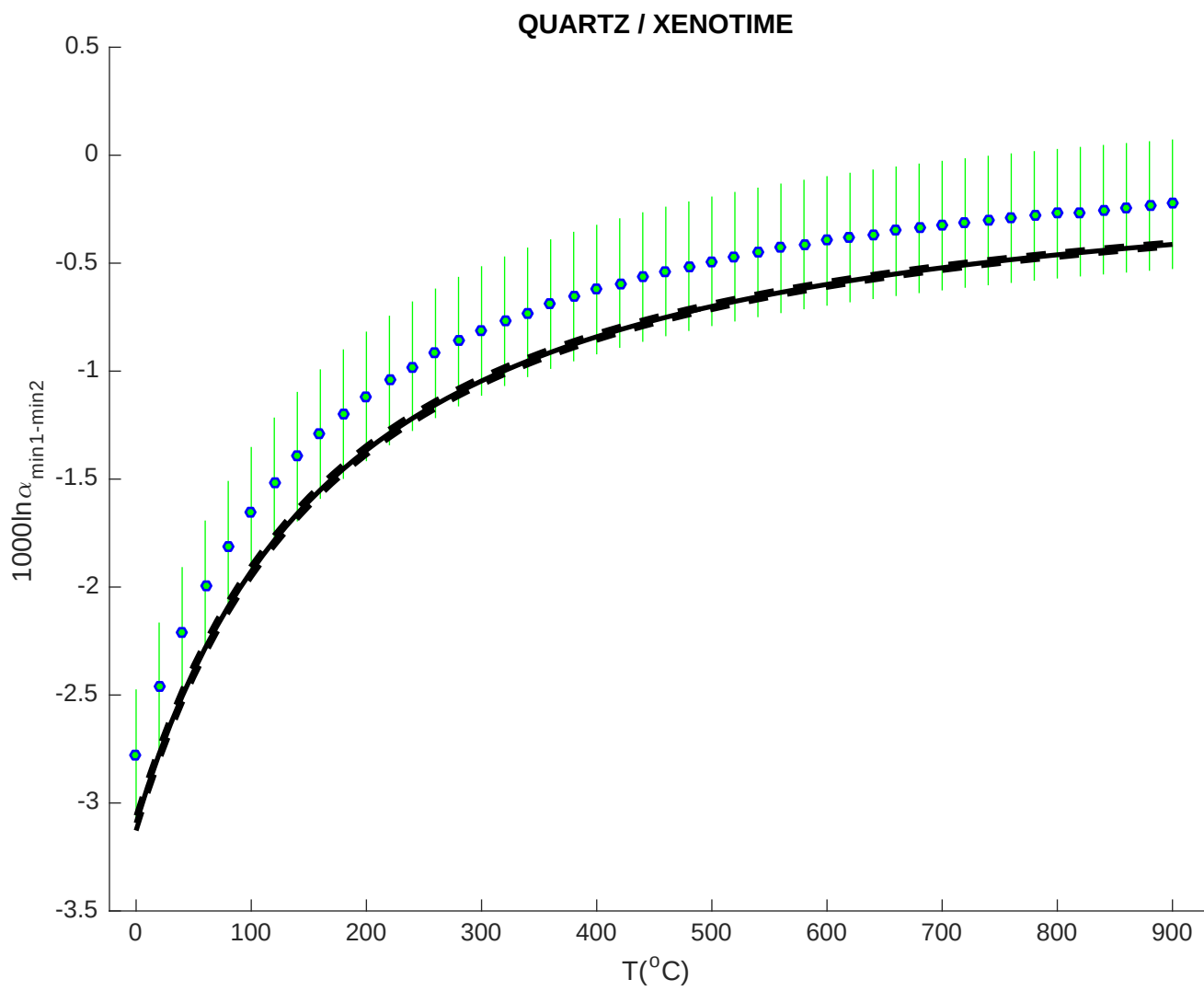


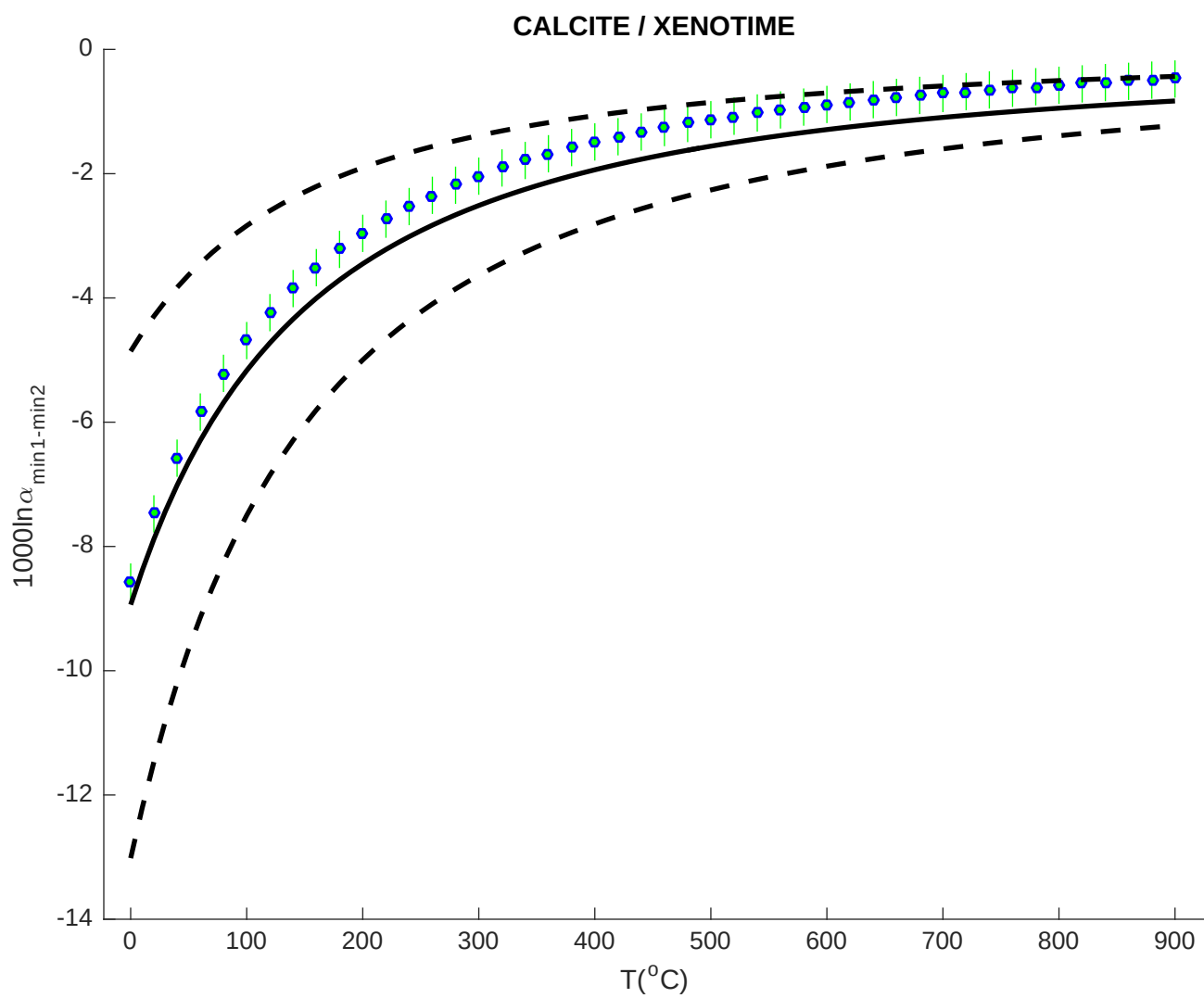
QUARTZ / APATITE

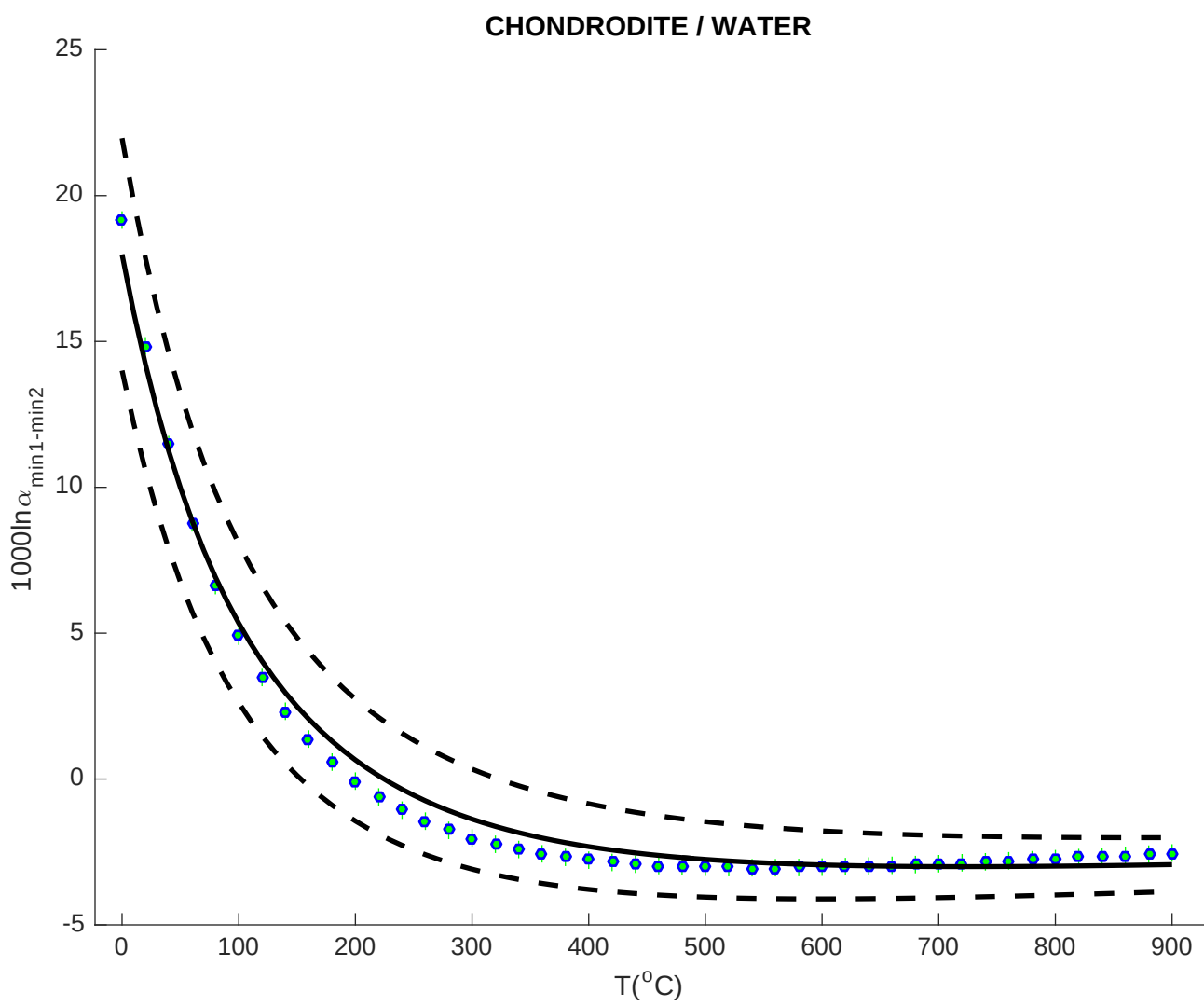


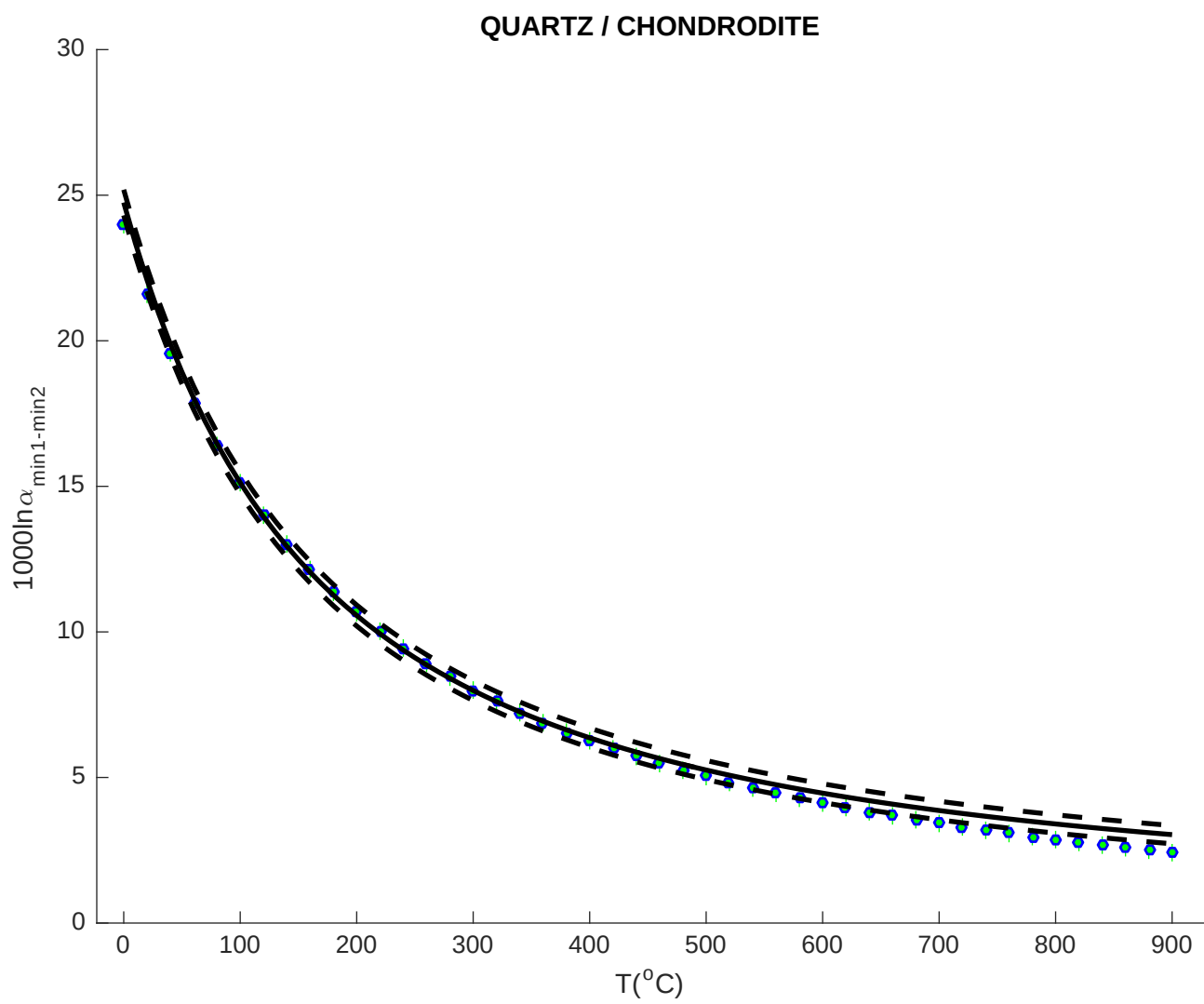


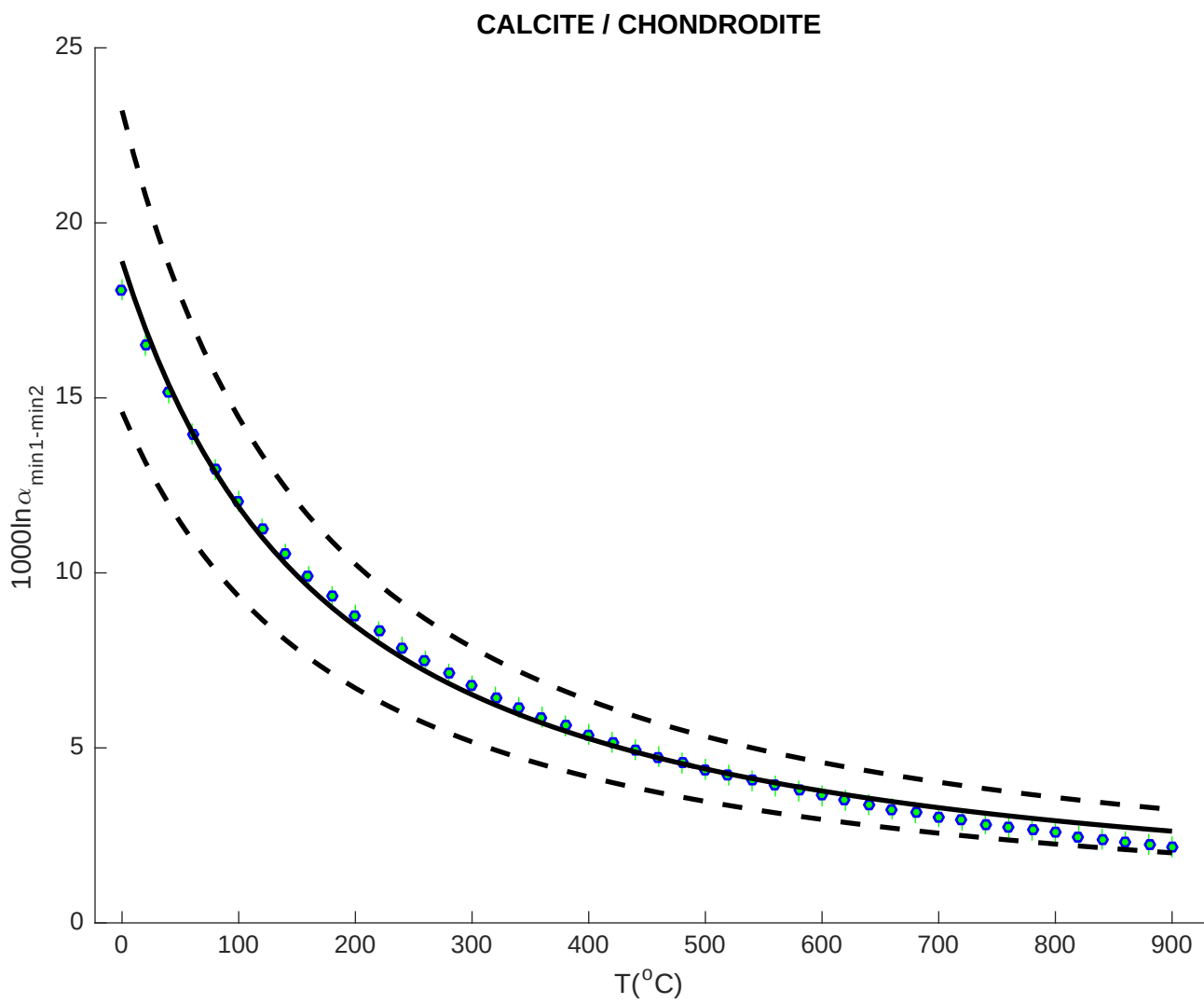


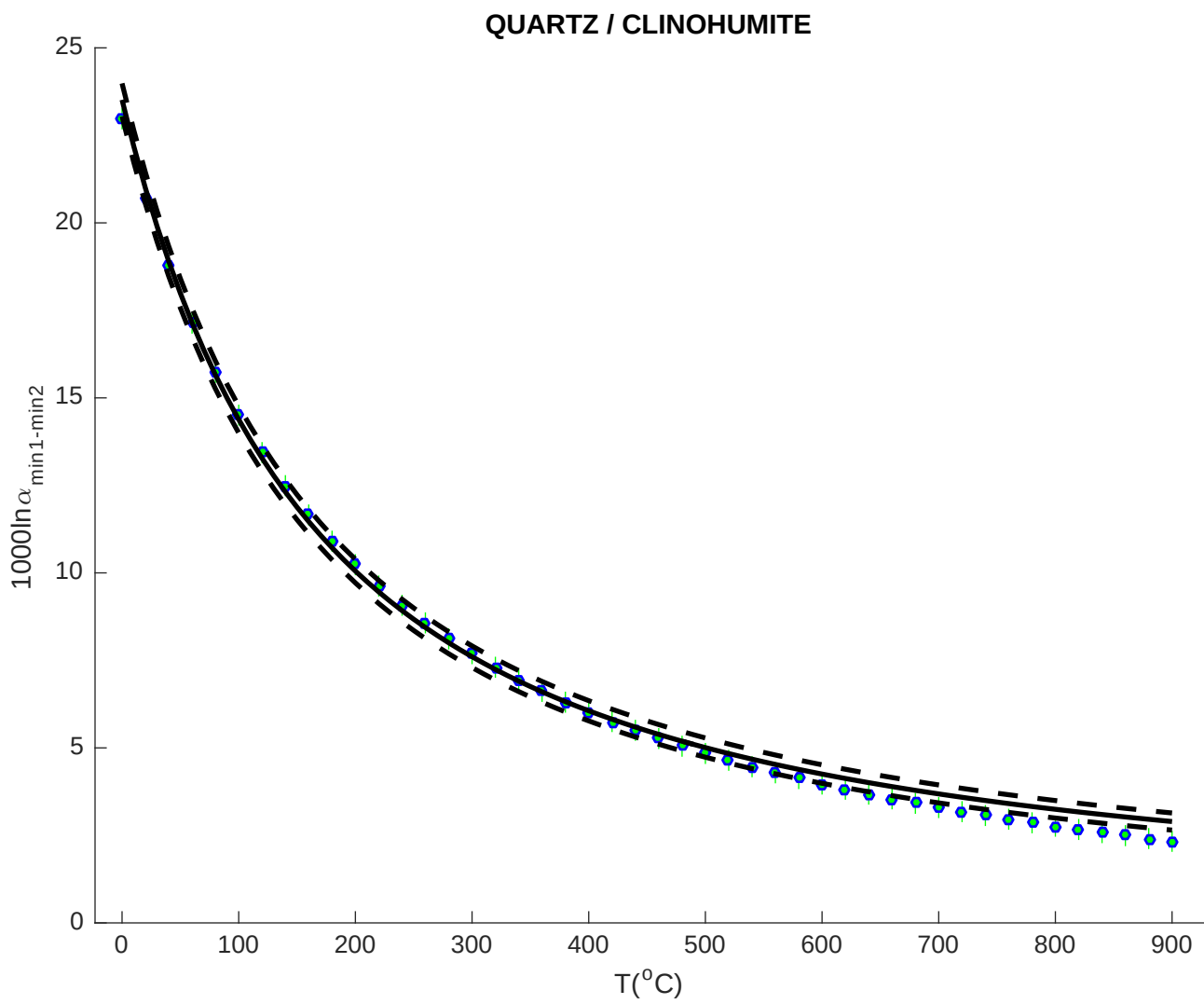


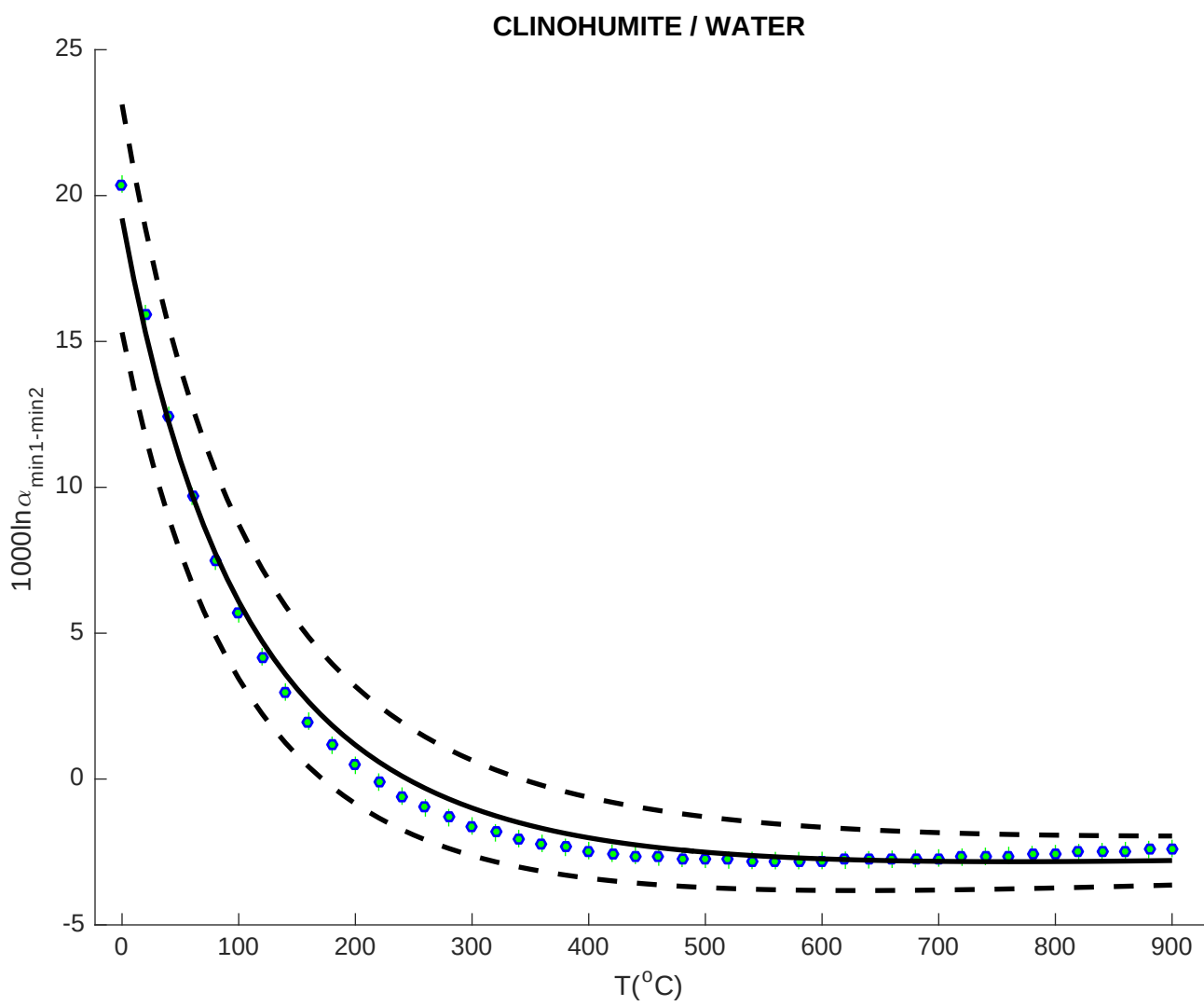




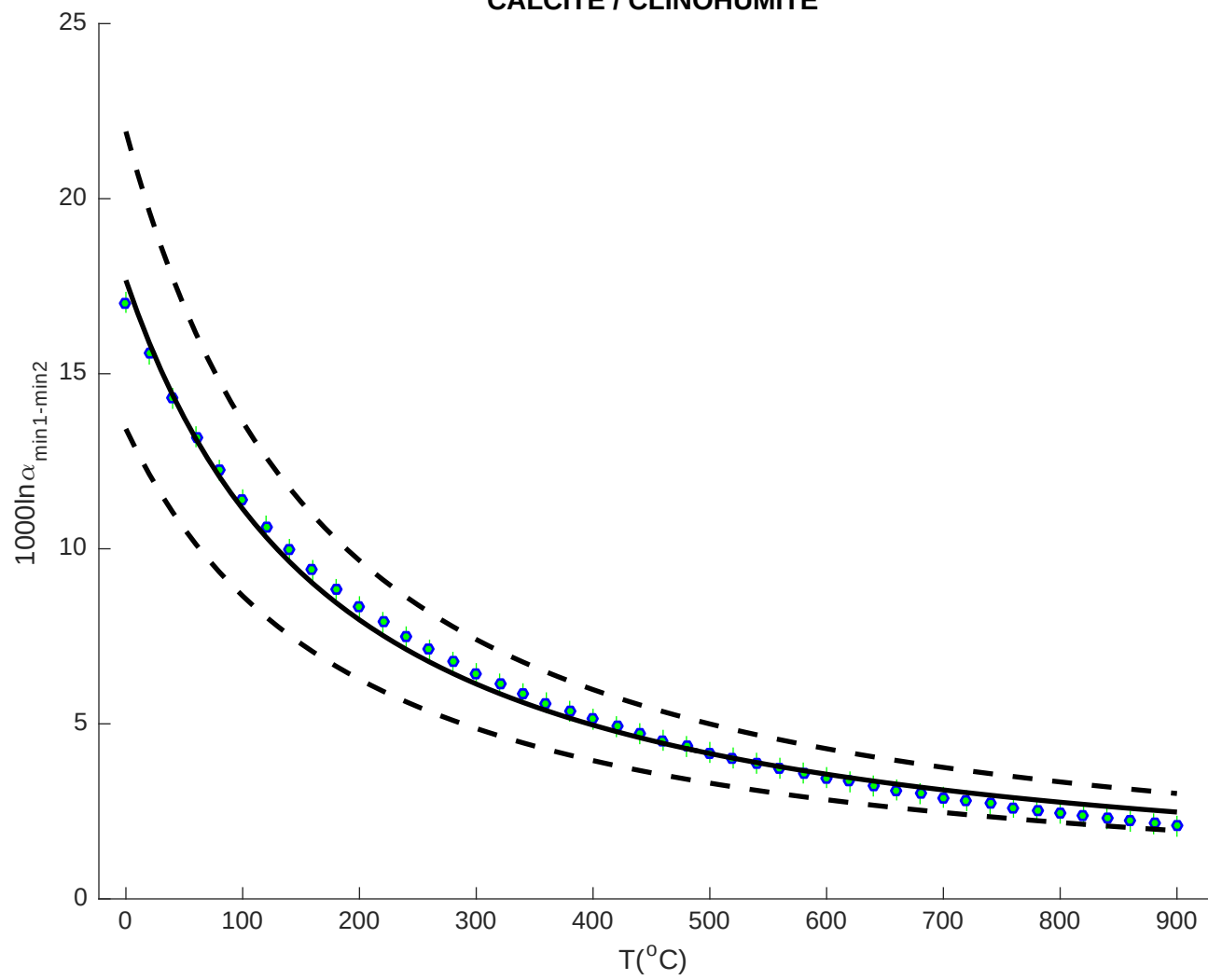


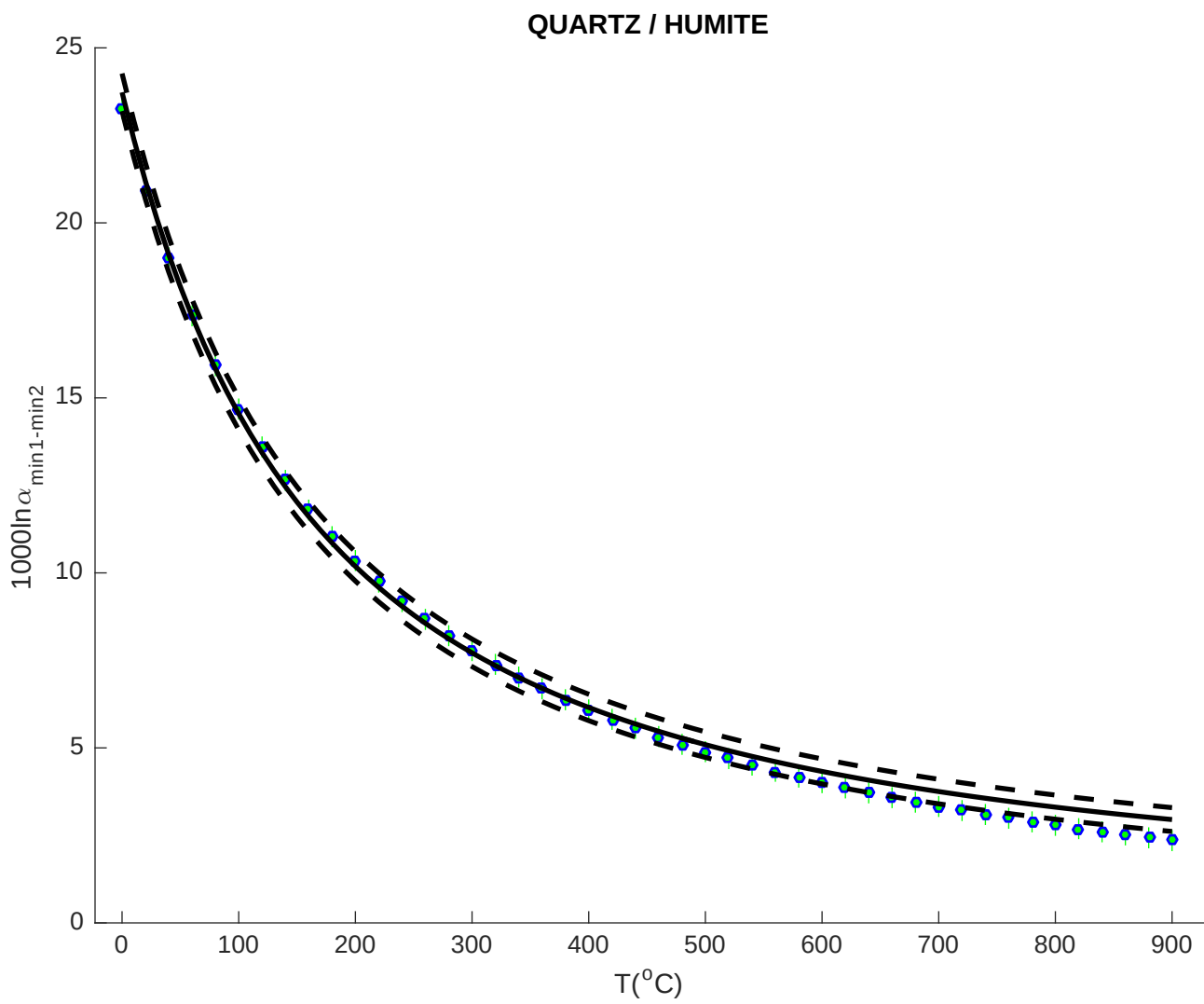


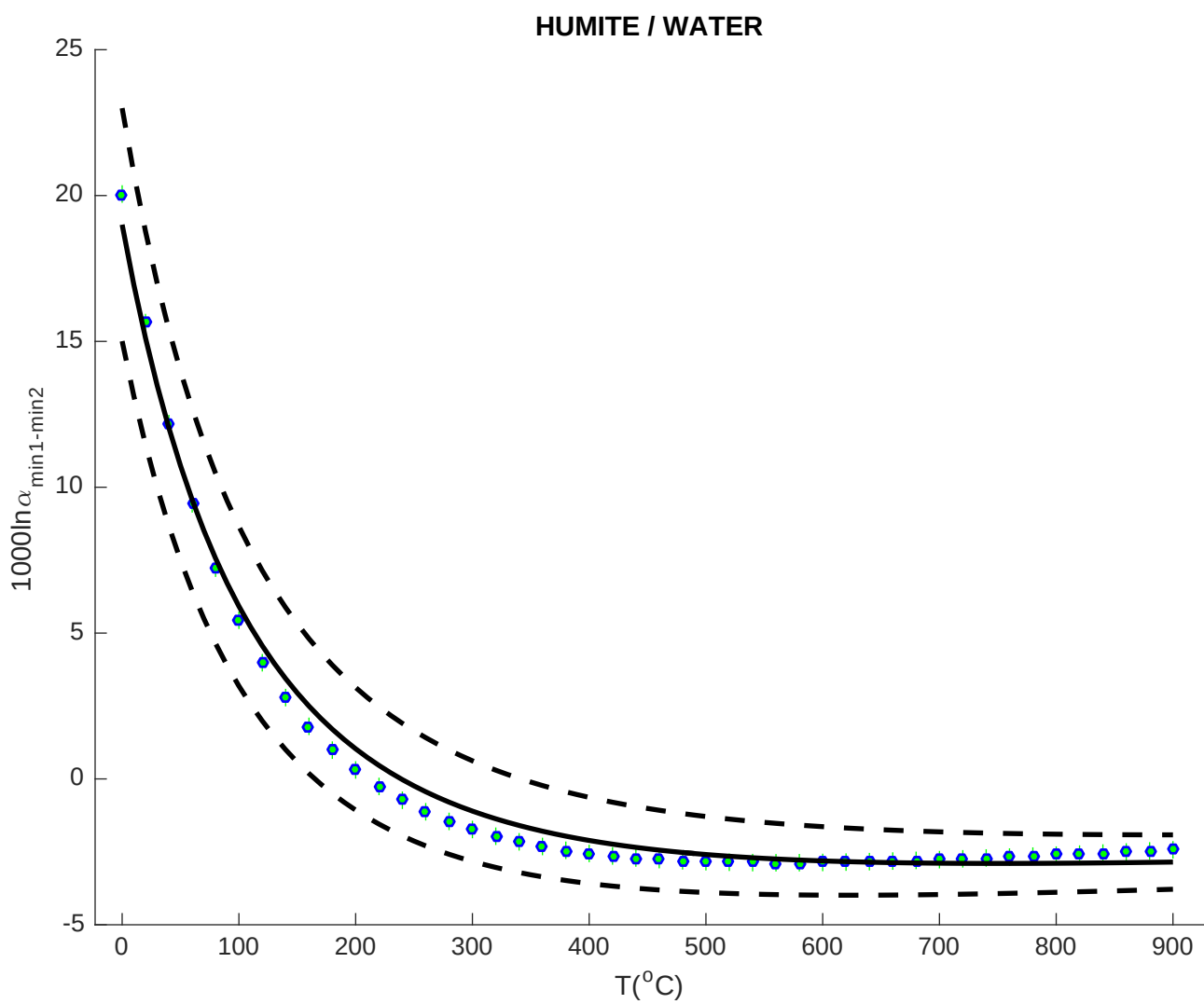


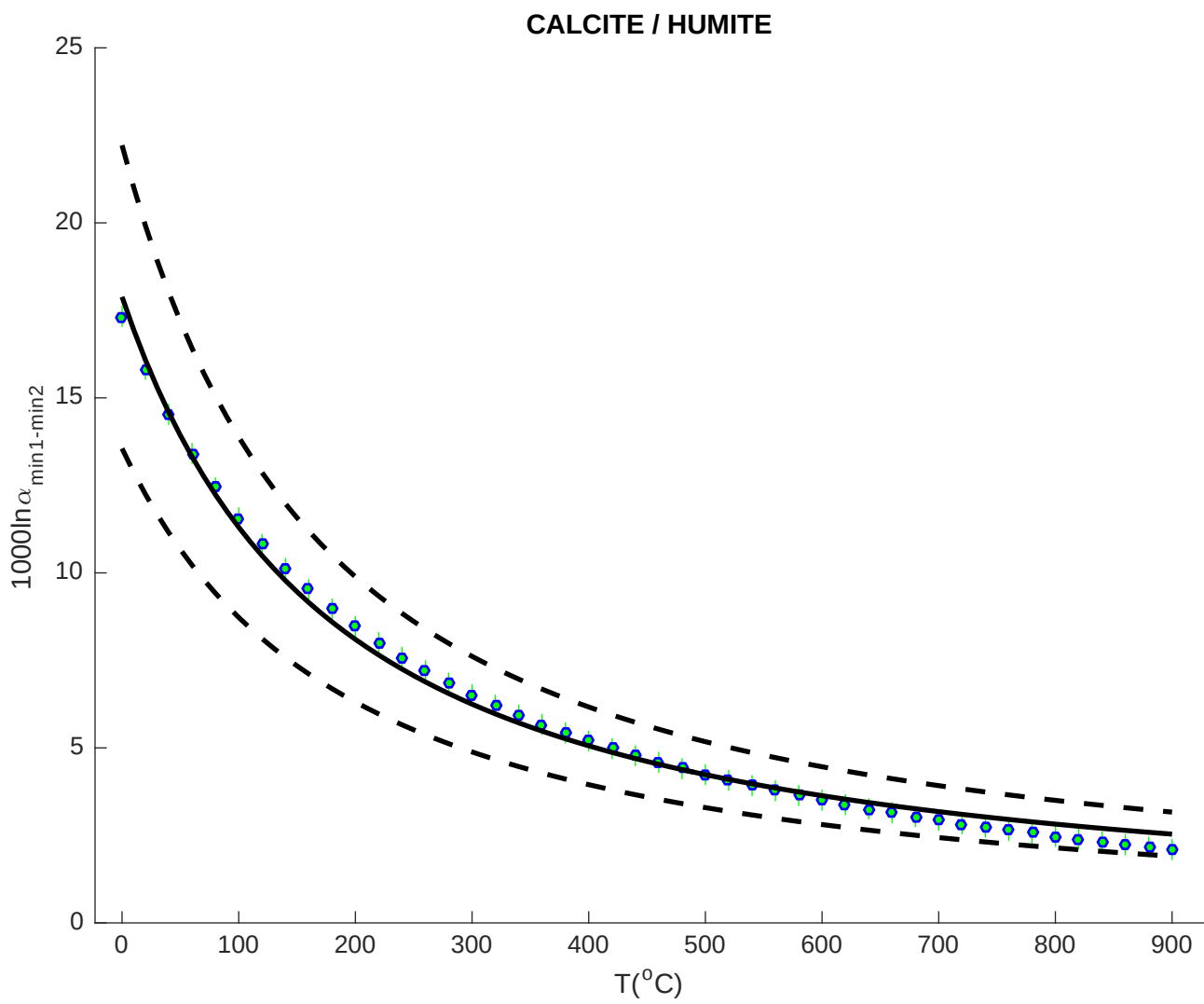


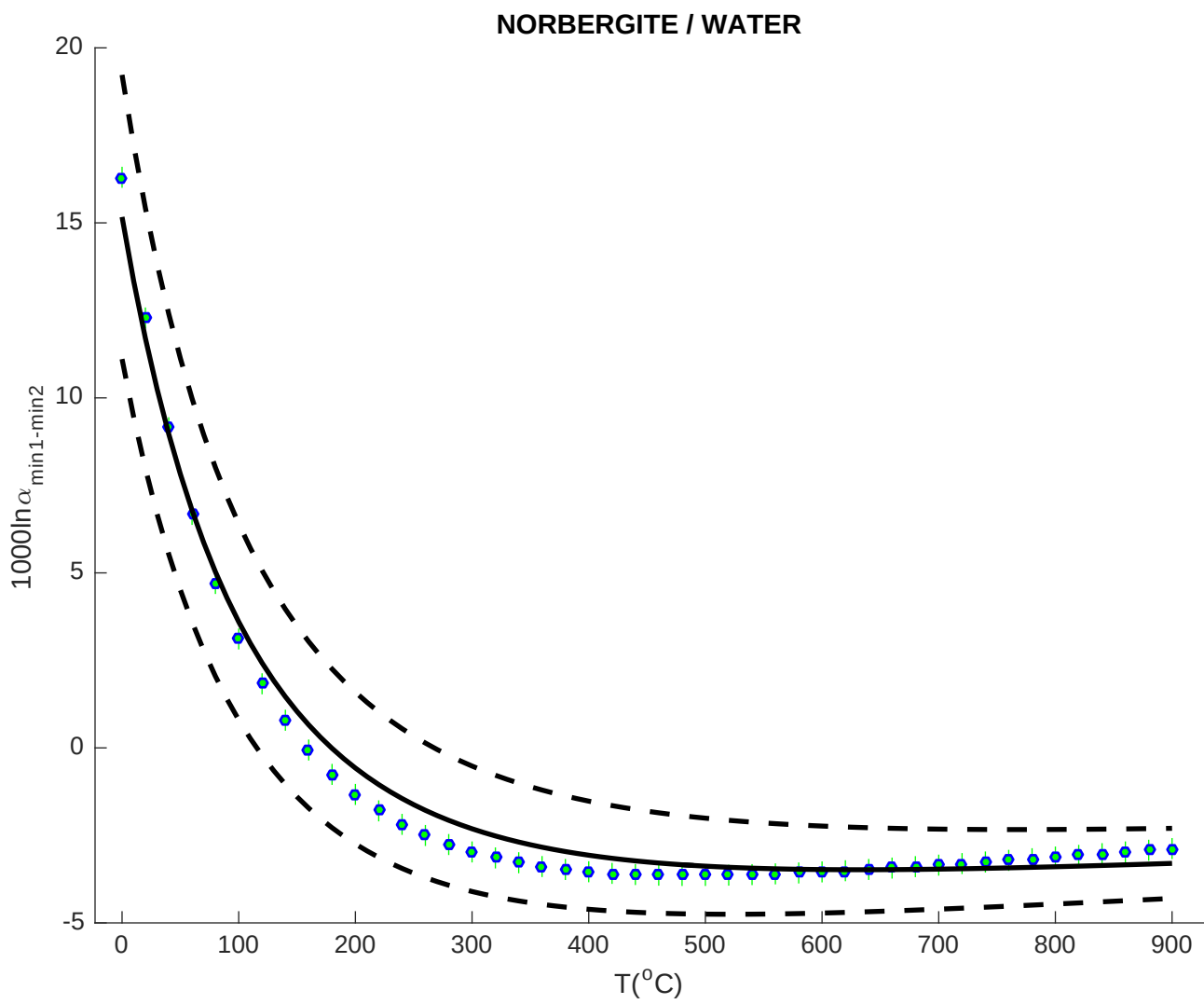
CALCITE / CLINOHUMITE

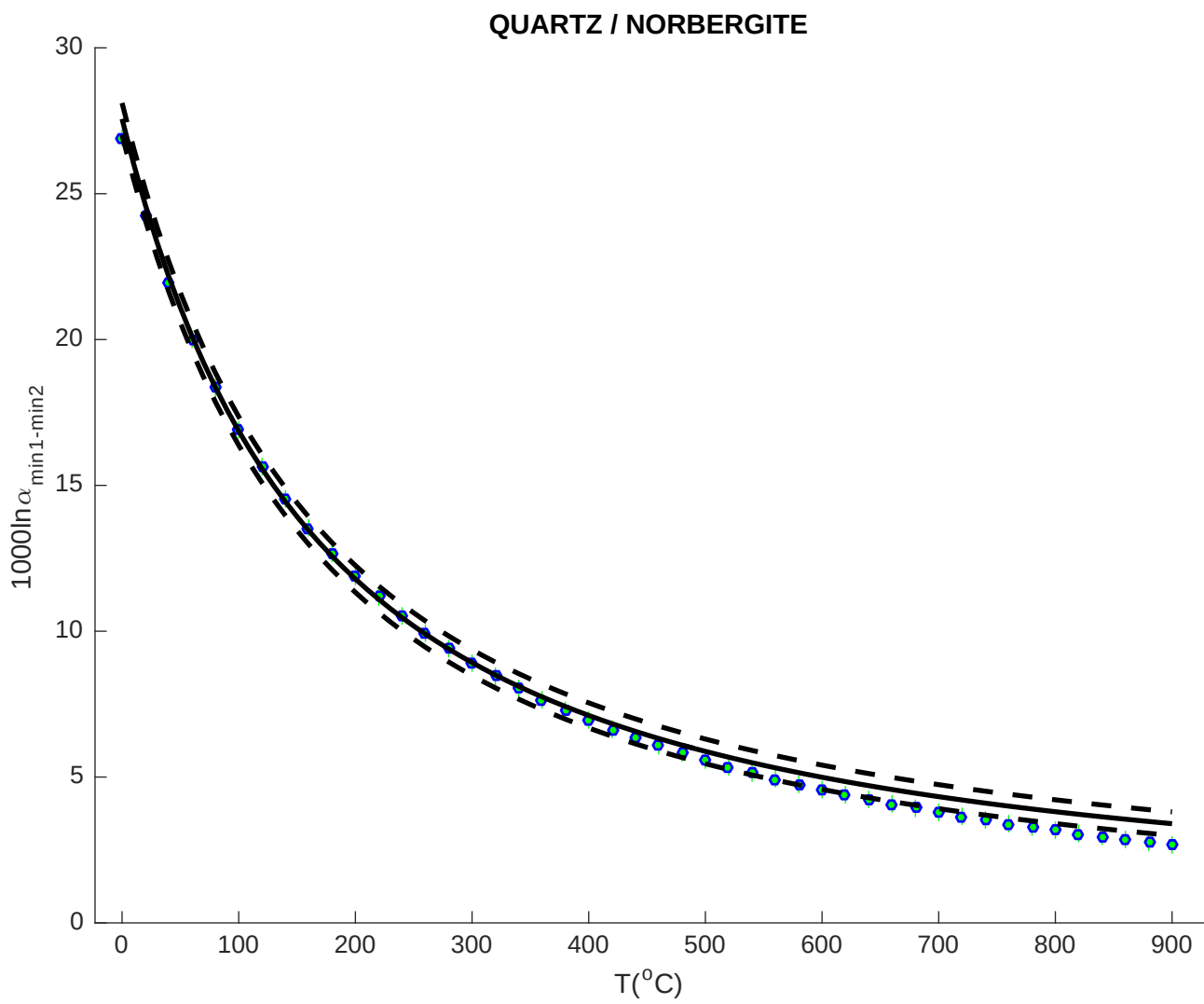




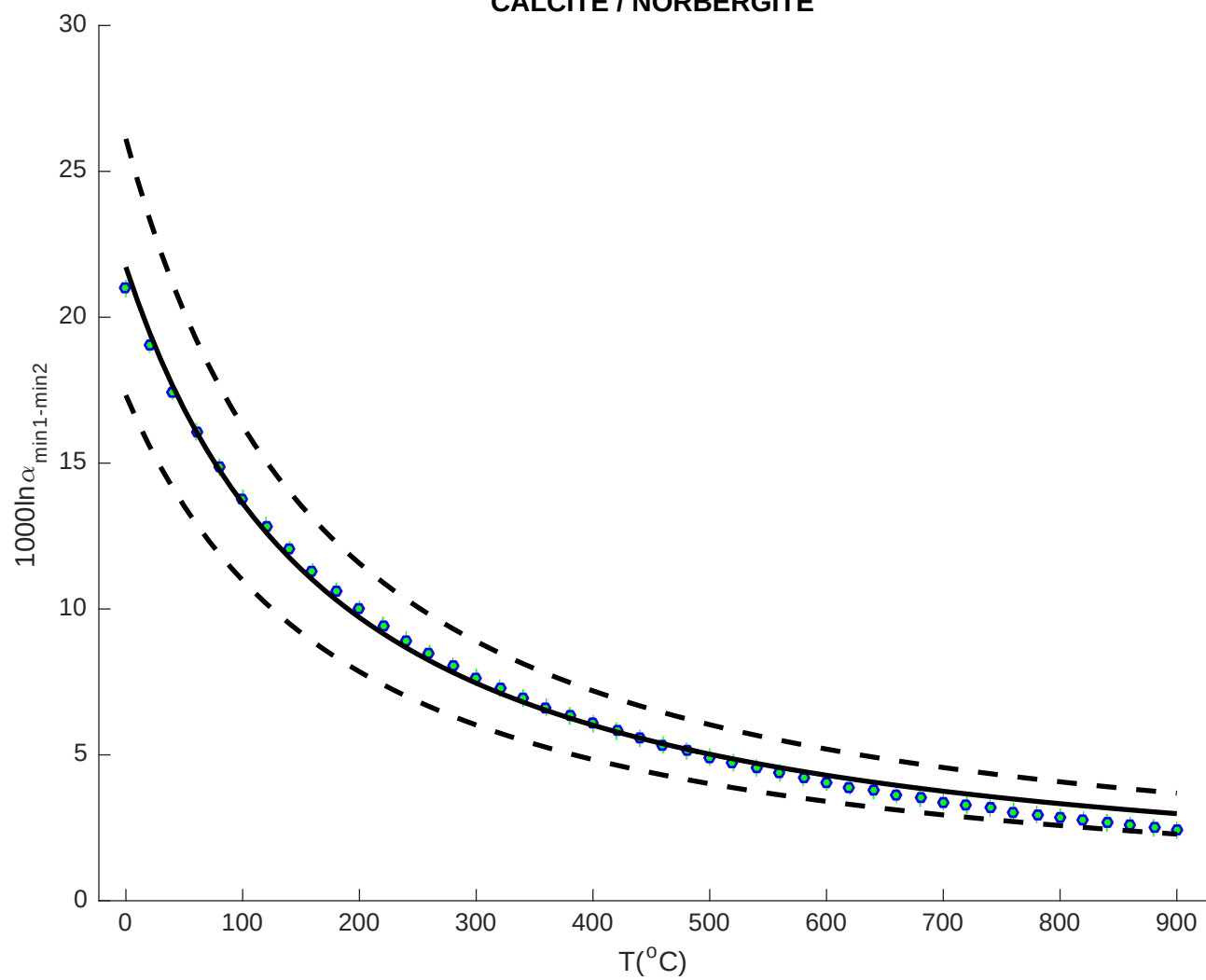


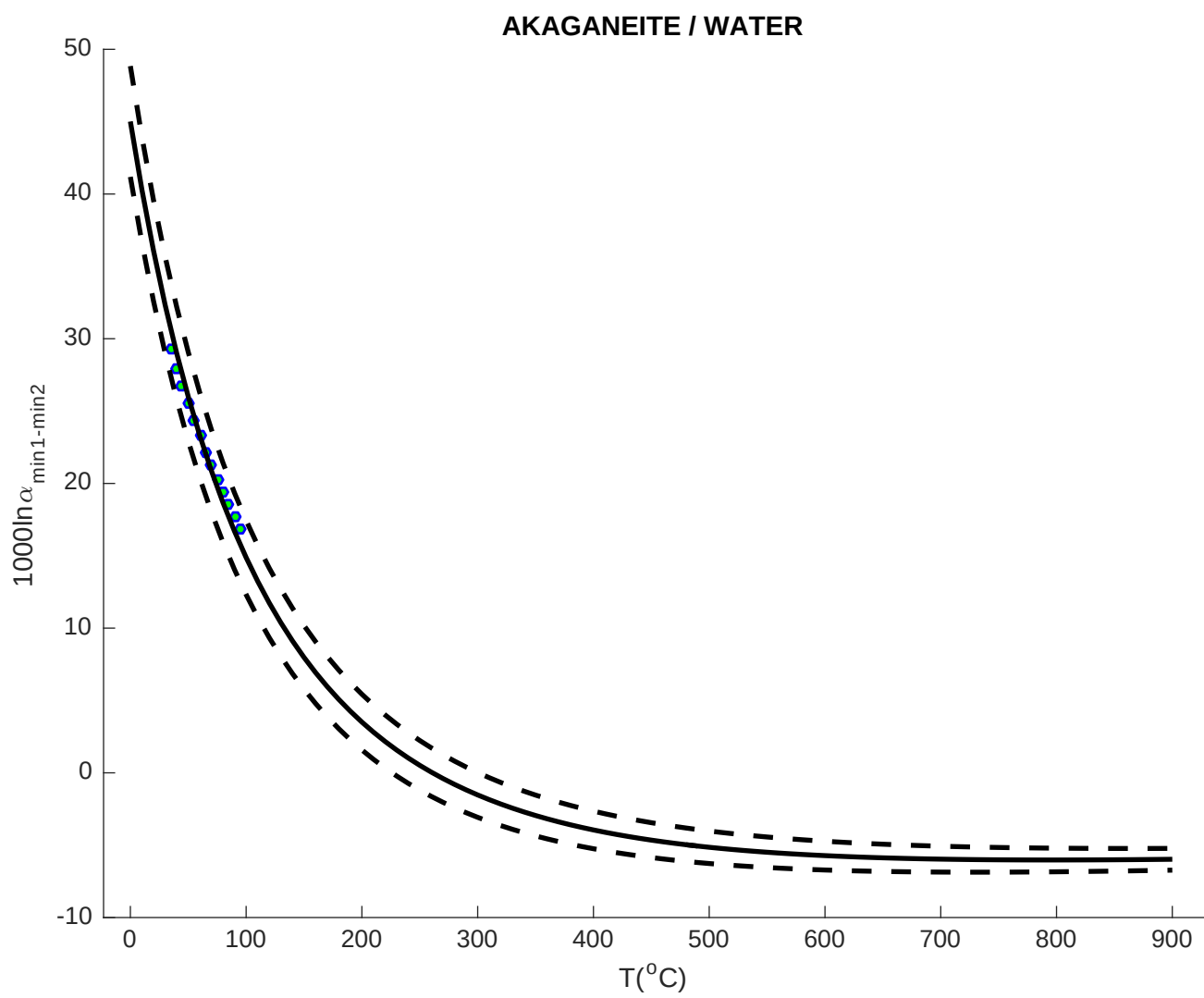


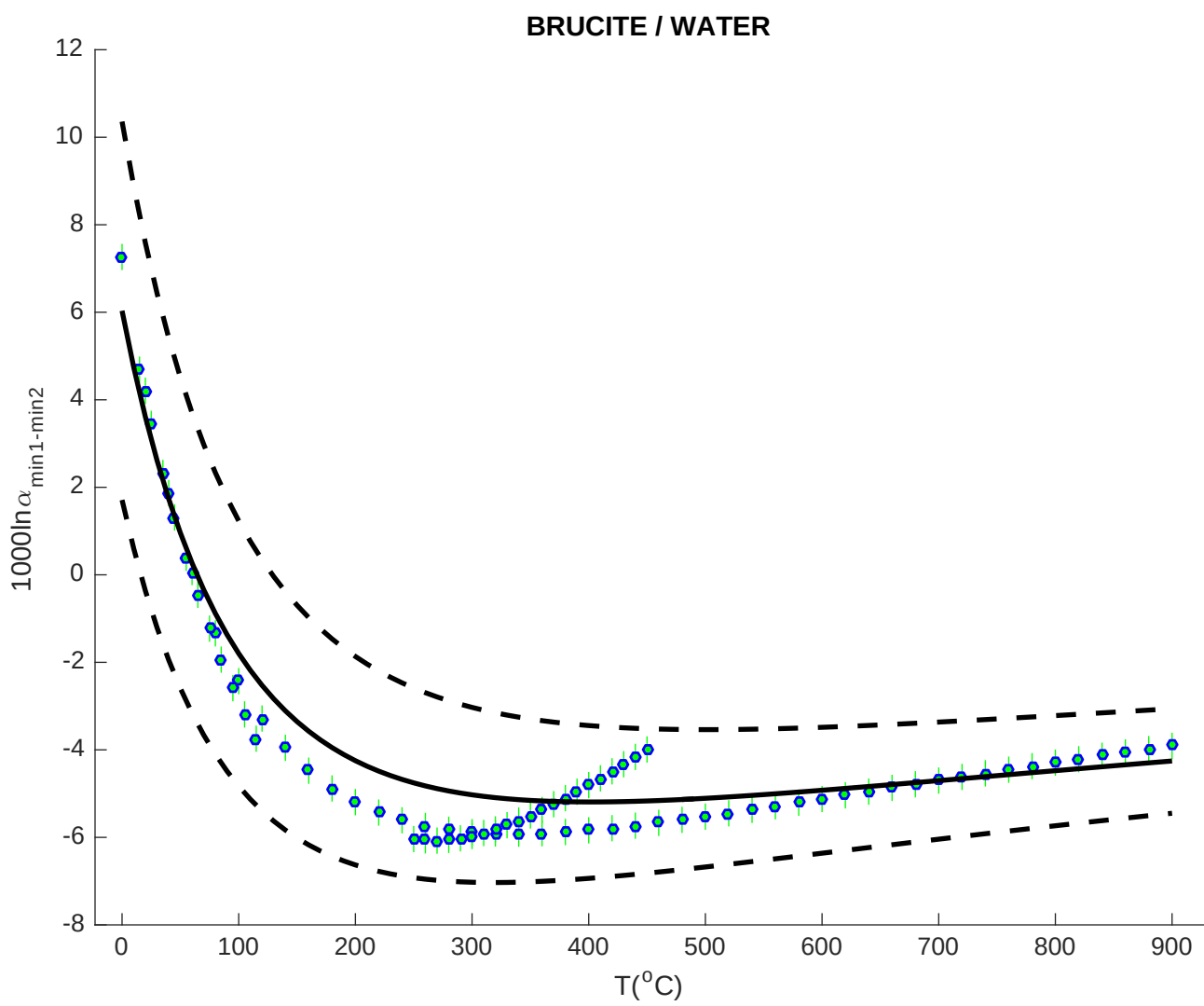


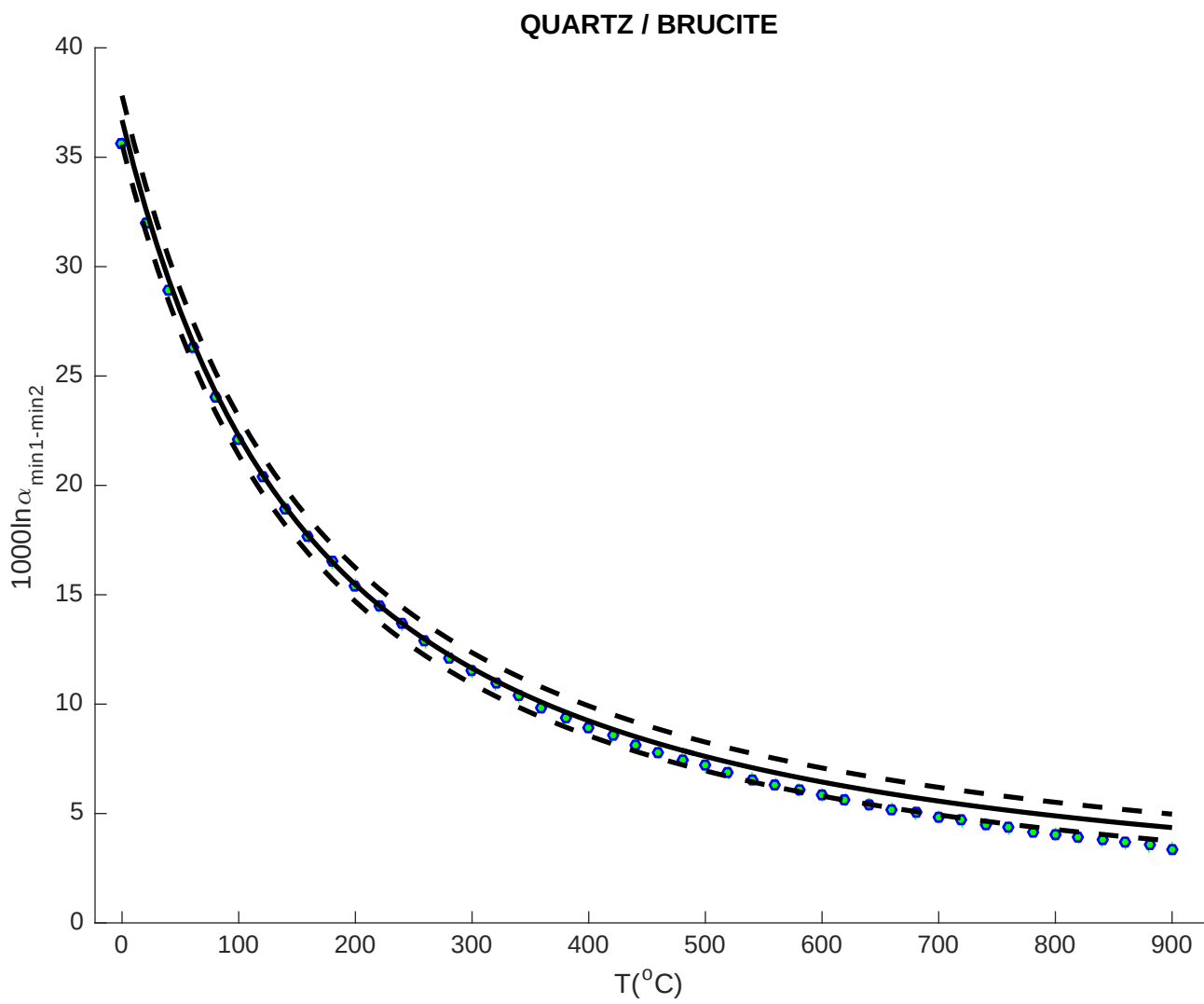


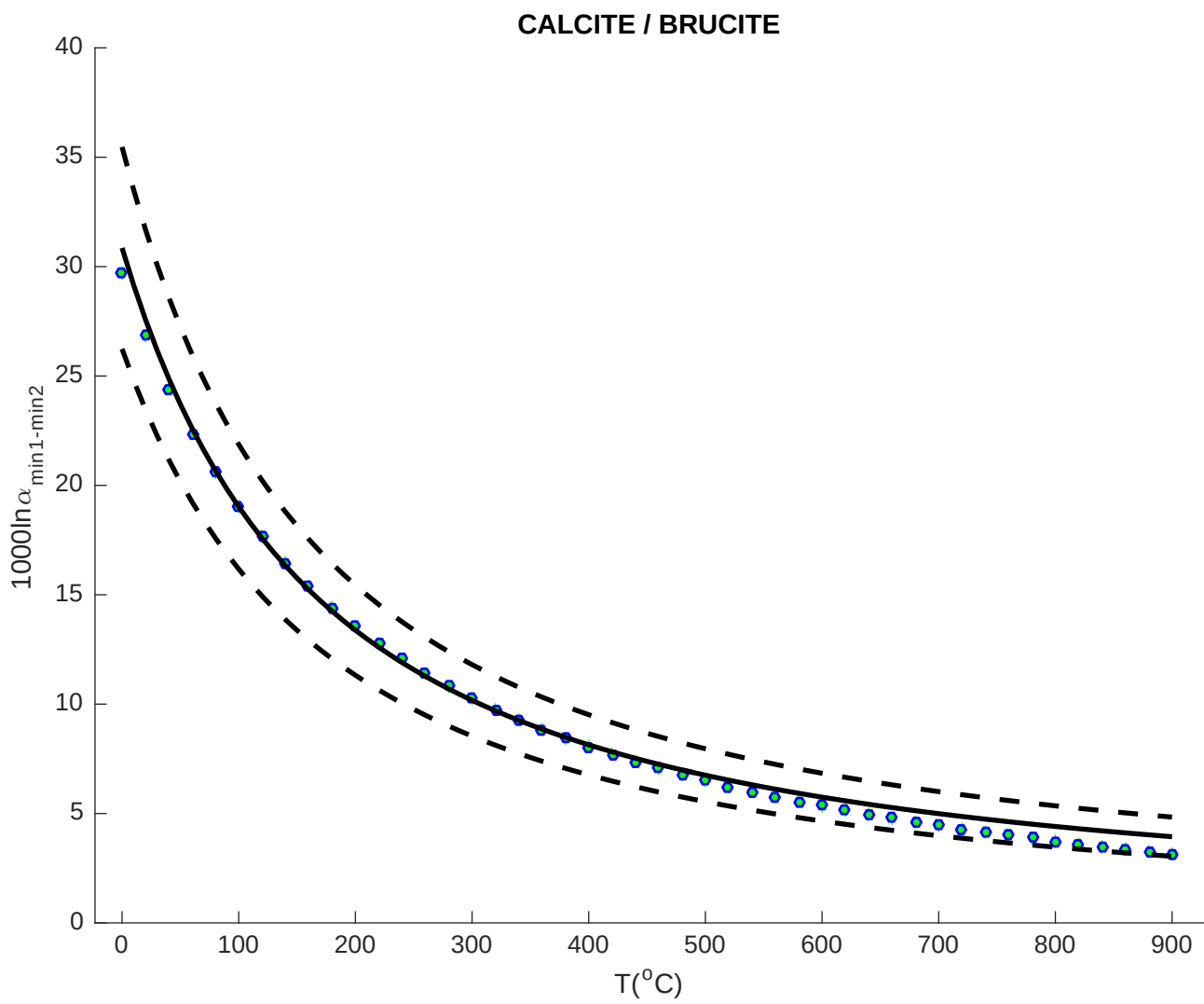
CALCITE / NORBERGITE

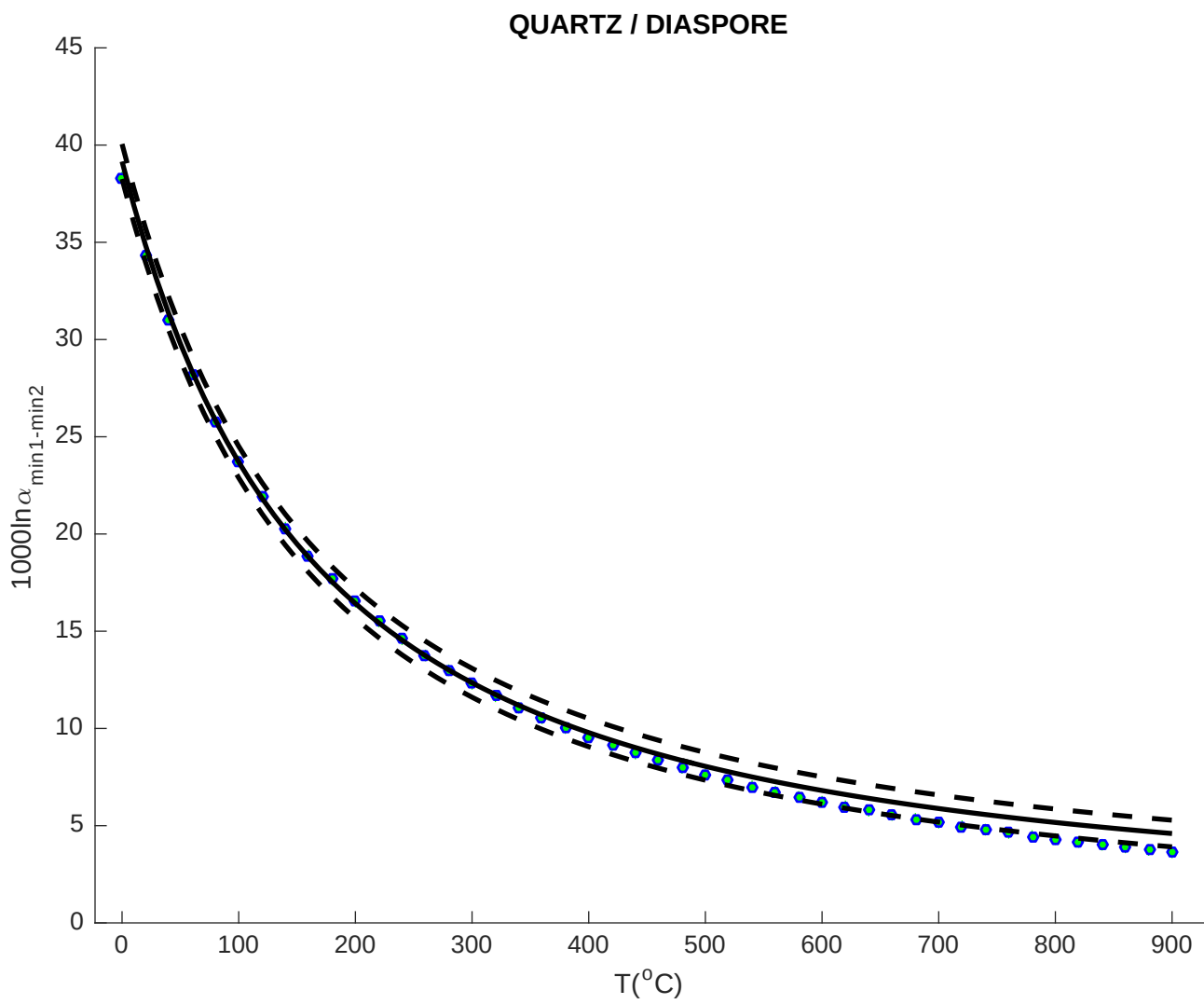


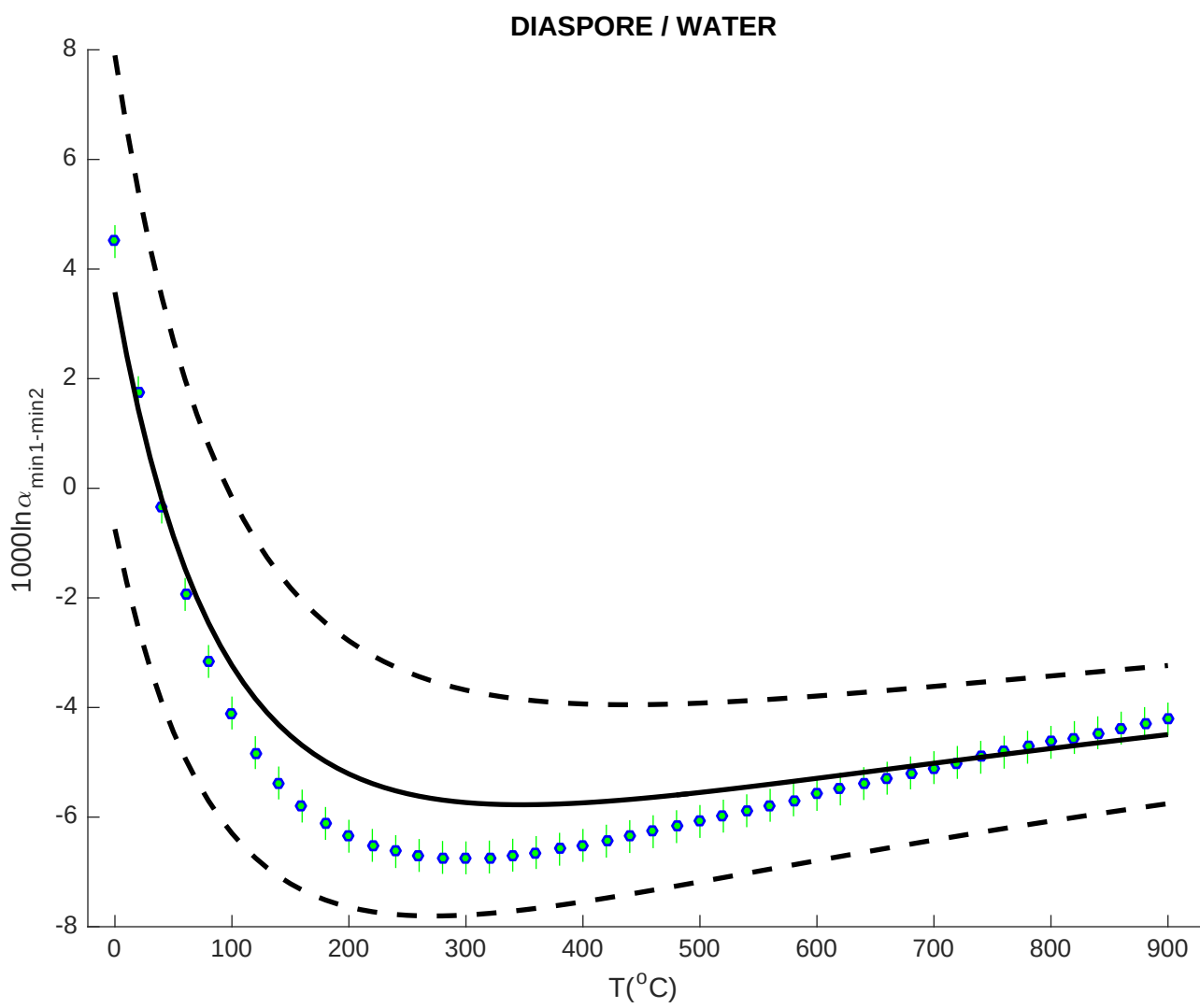


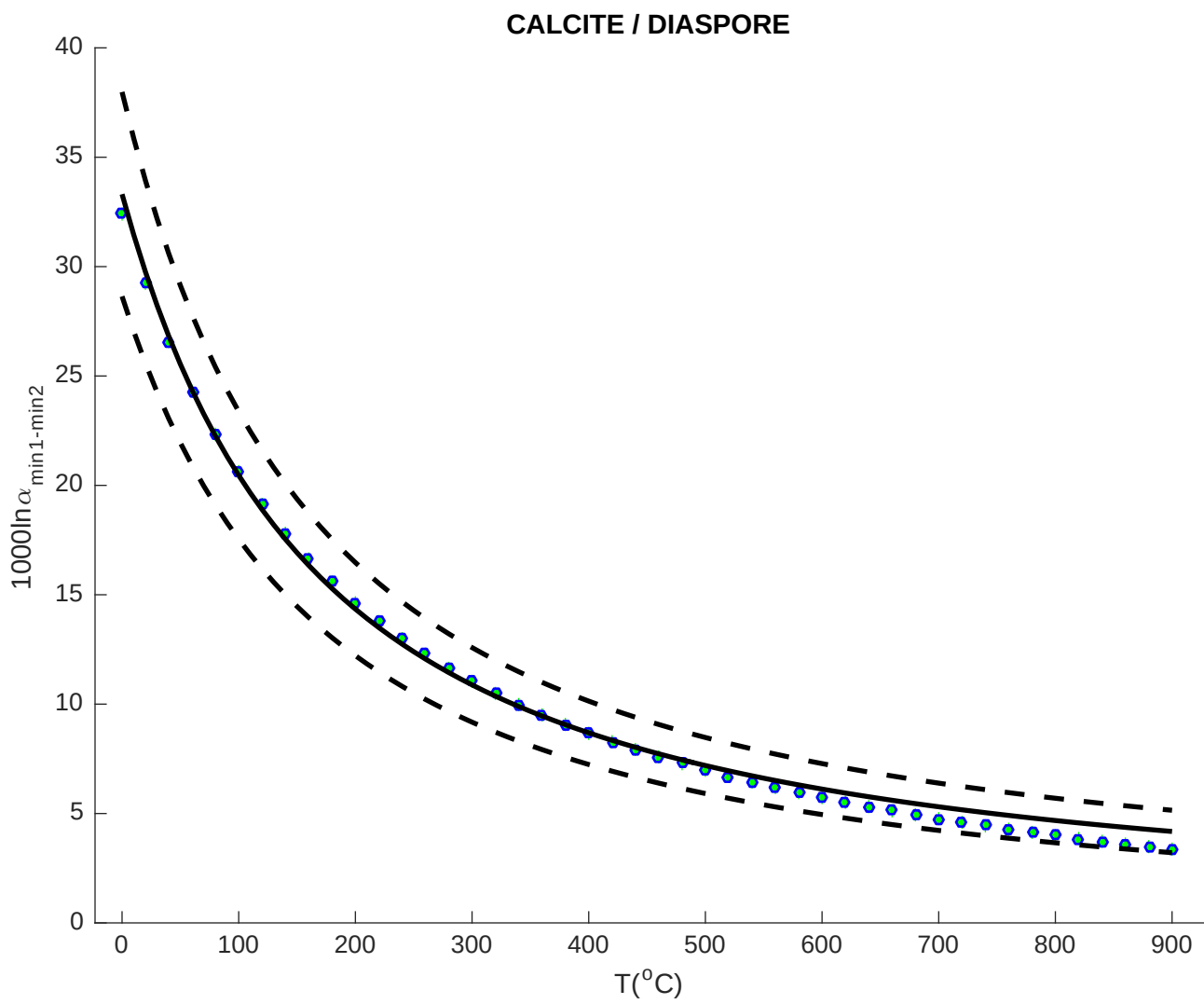


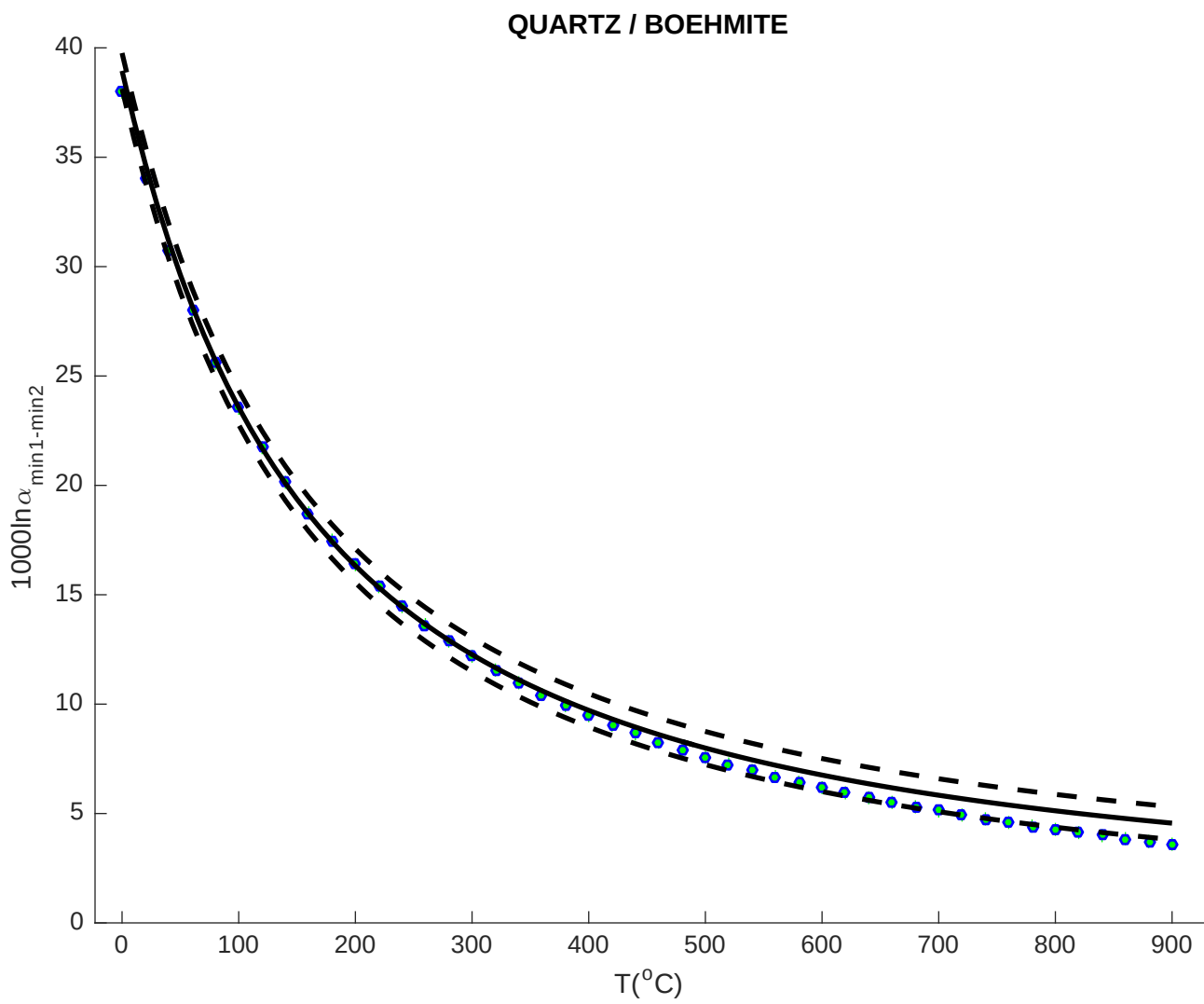


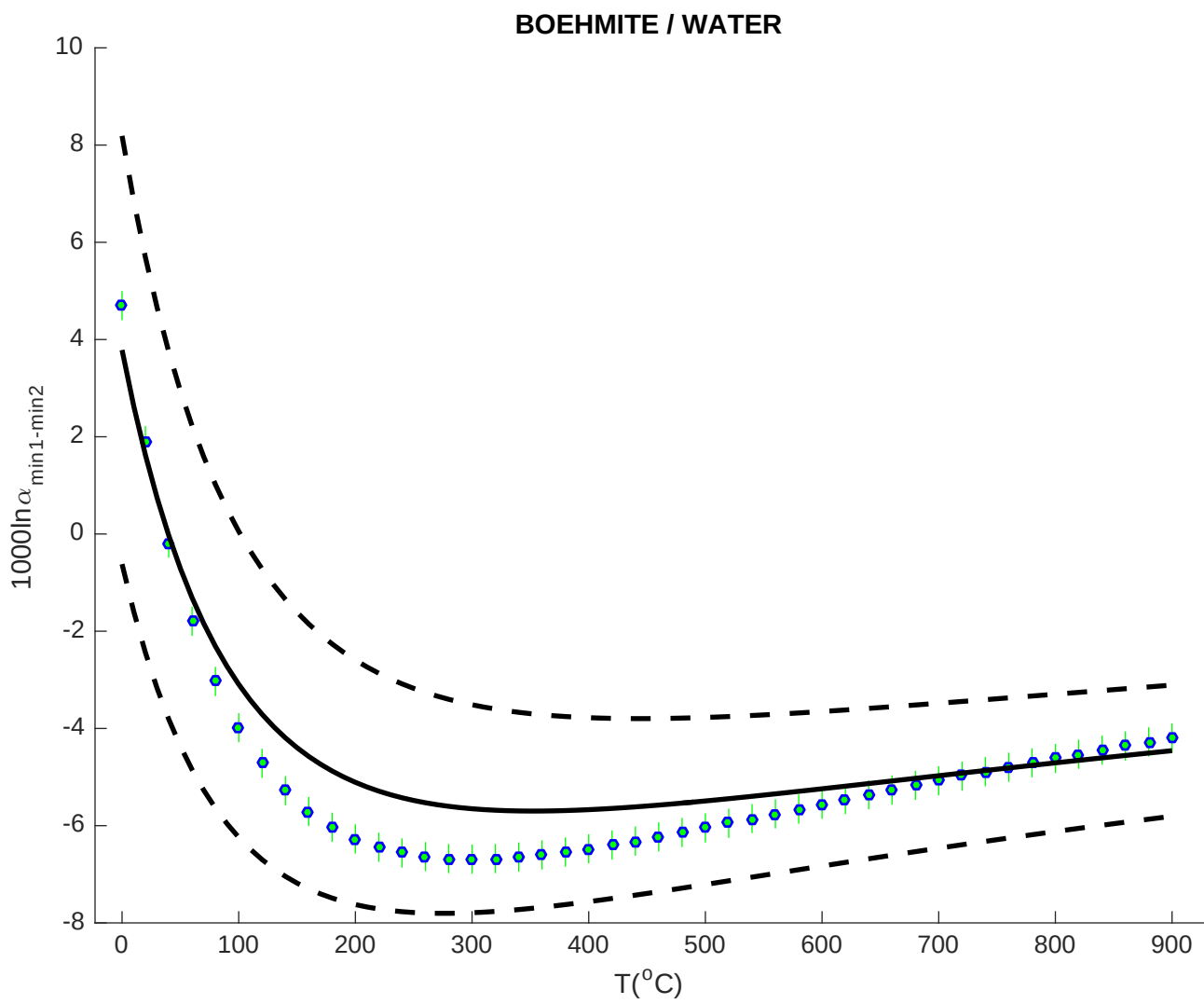


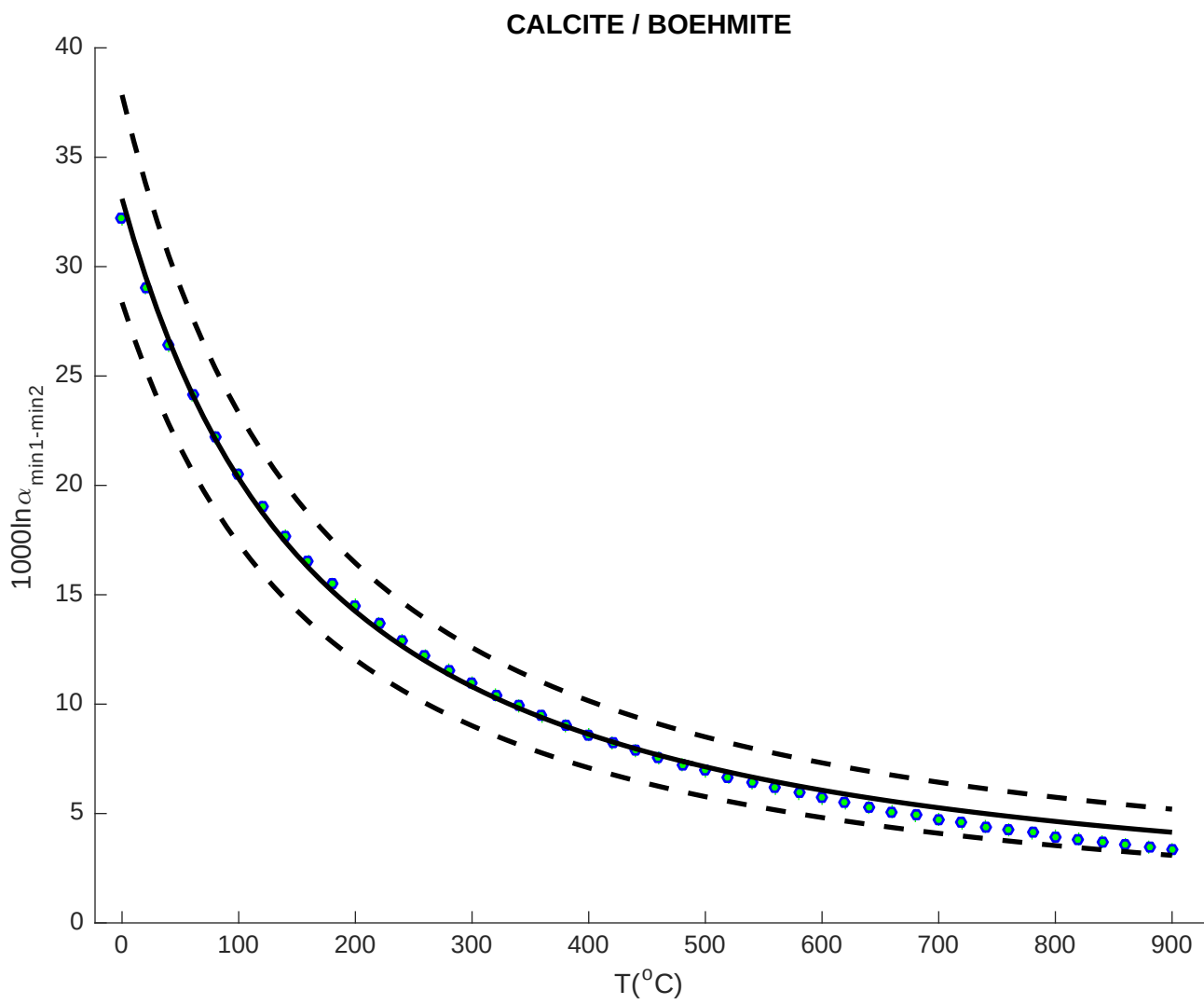


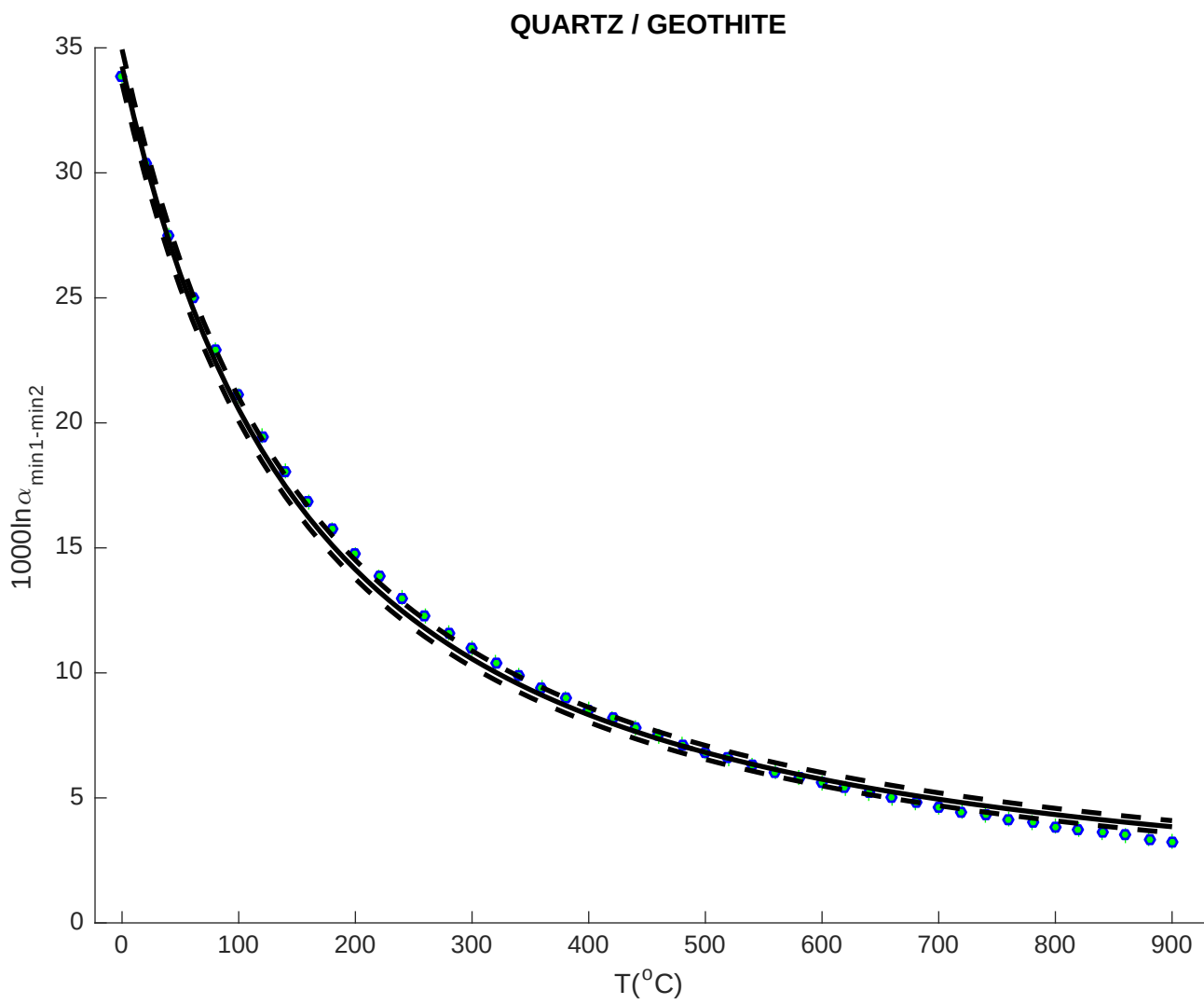


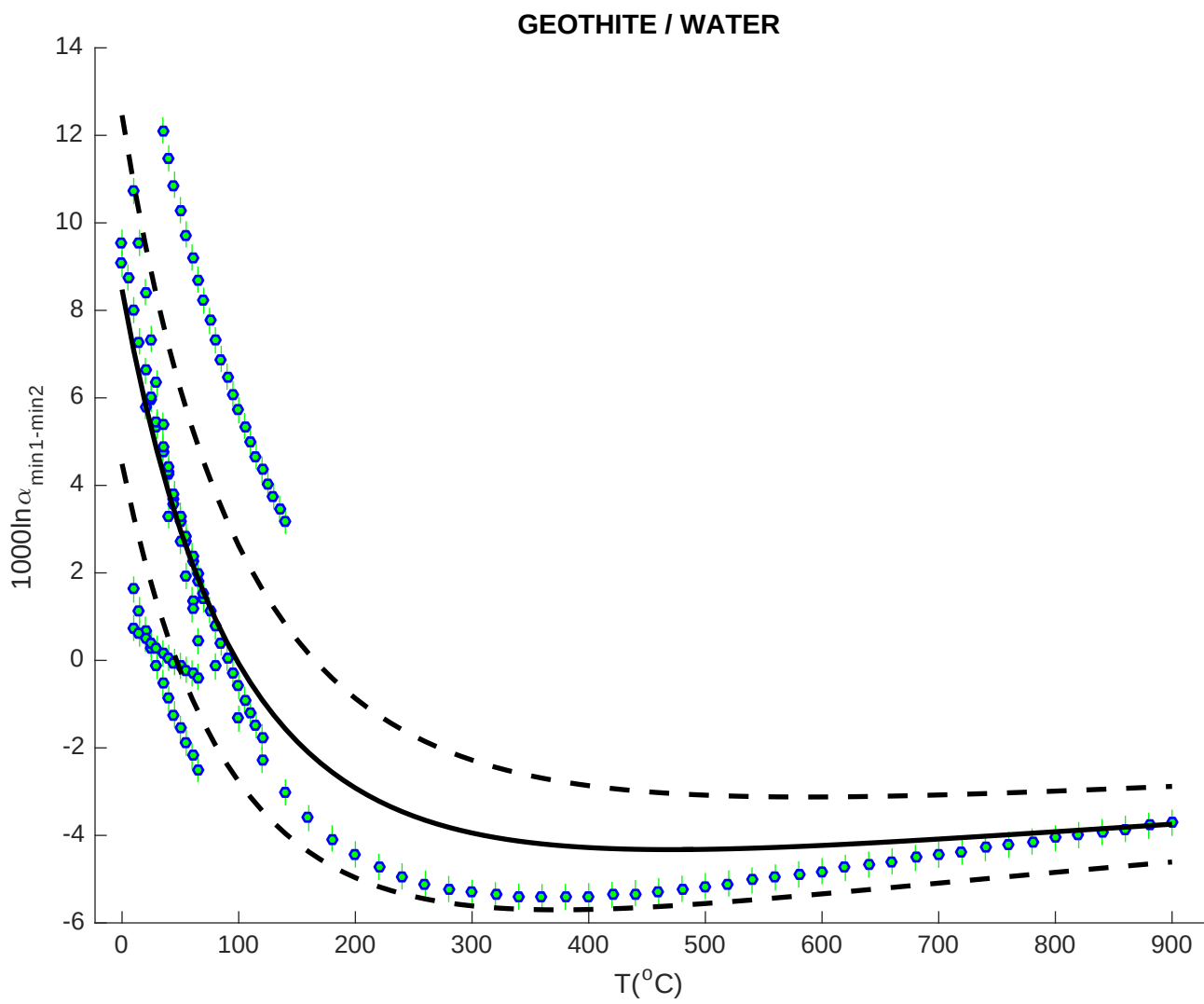




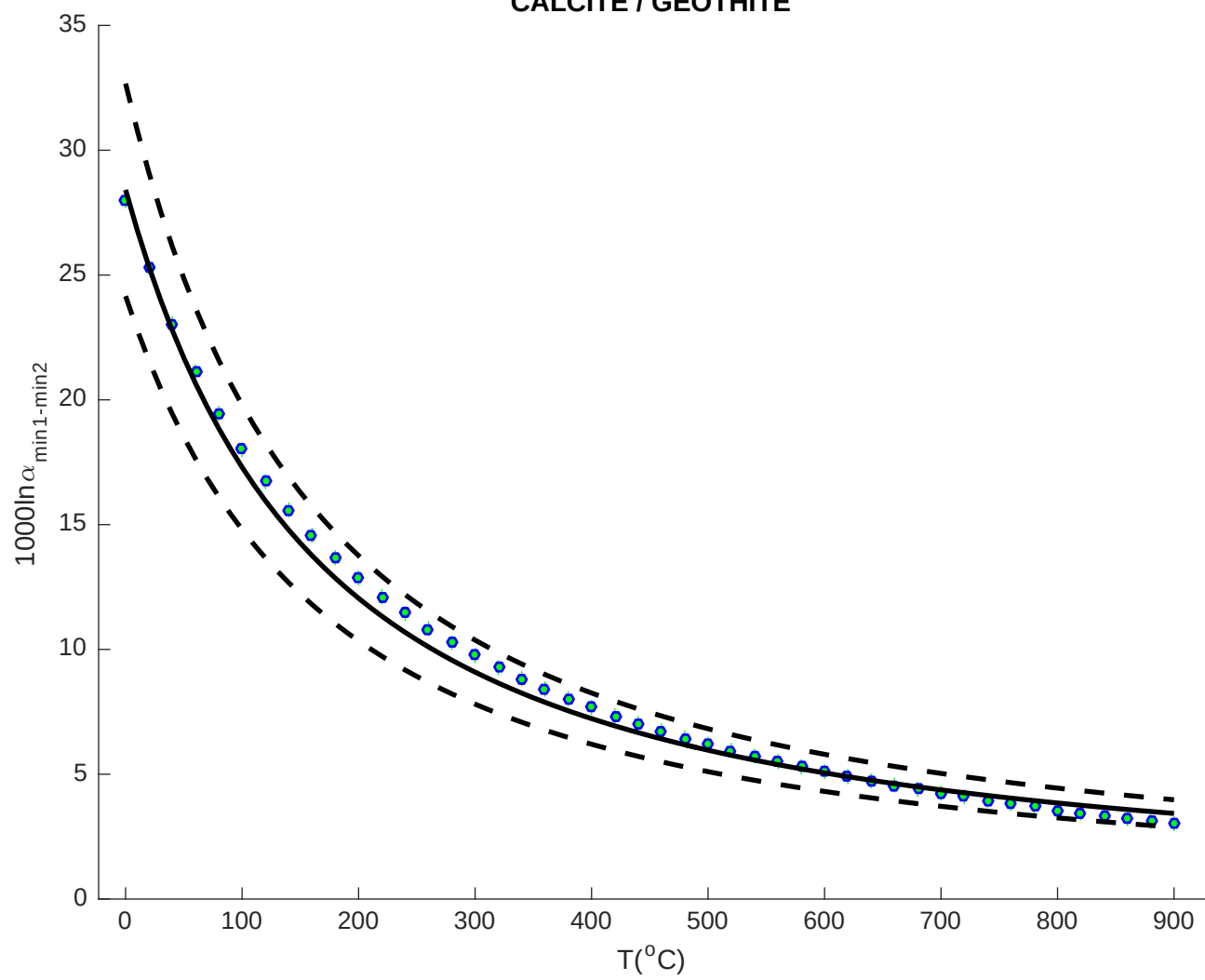




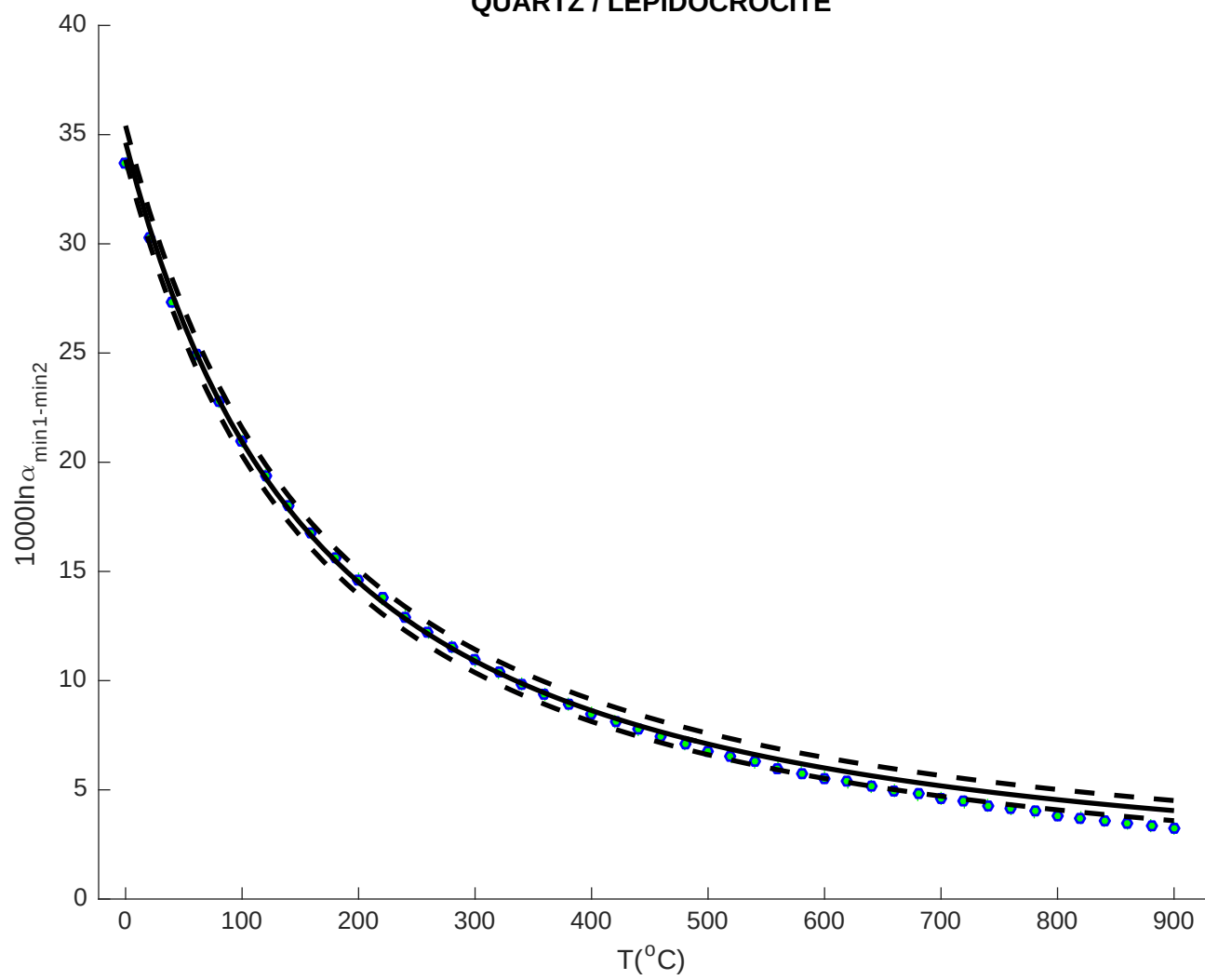


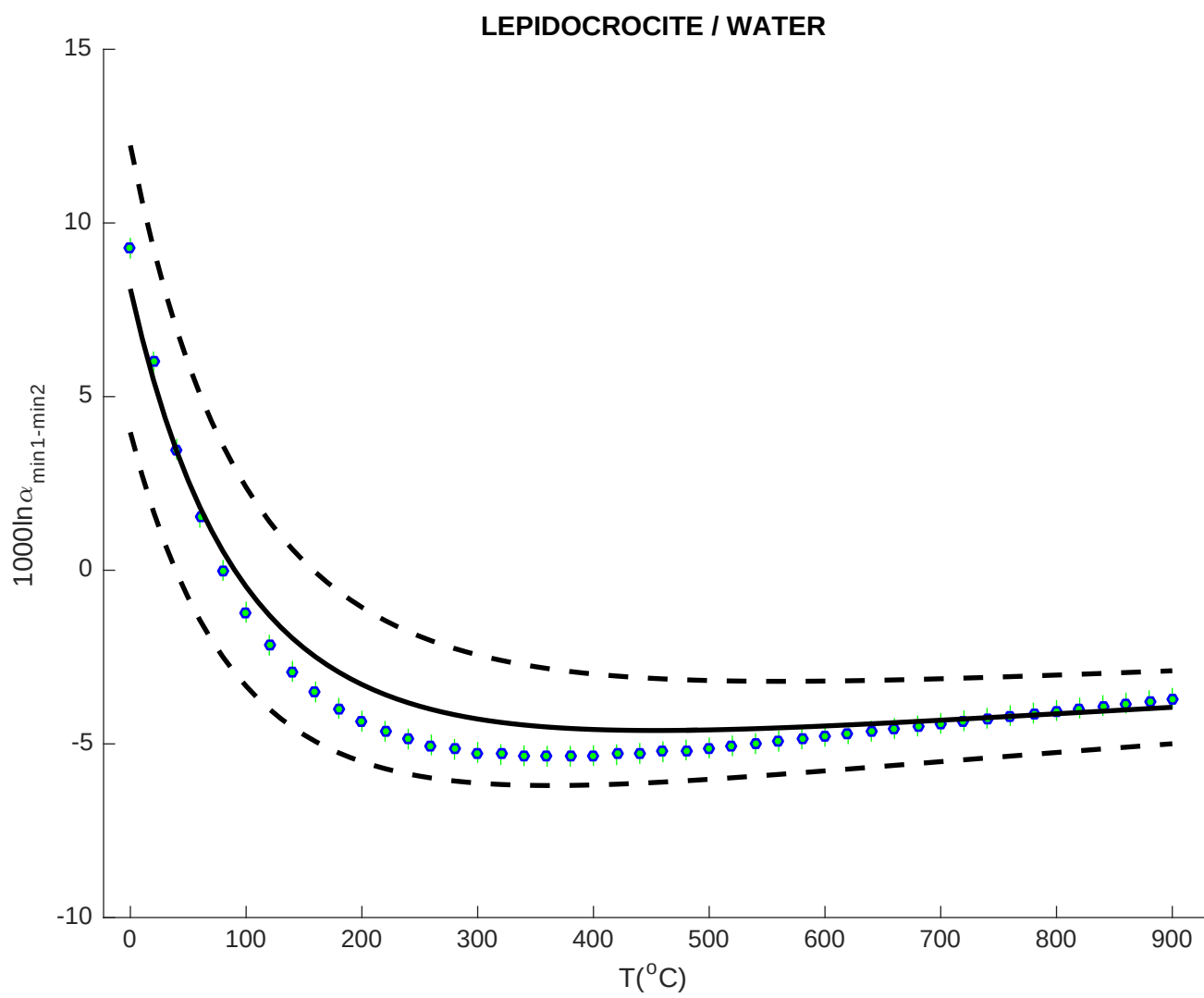


CALCITE / GEOTHITE

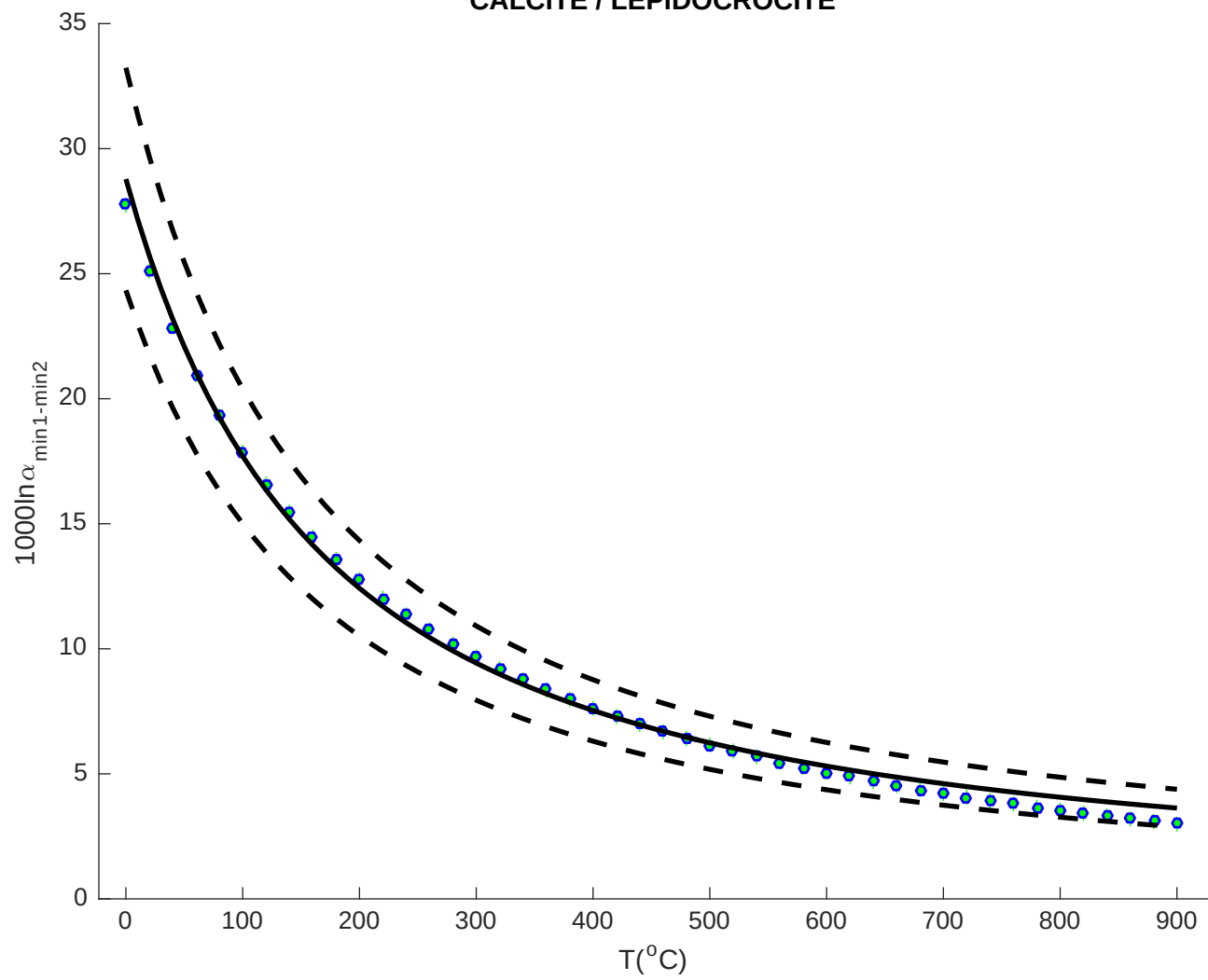


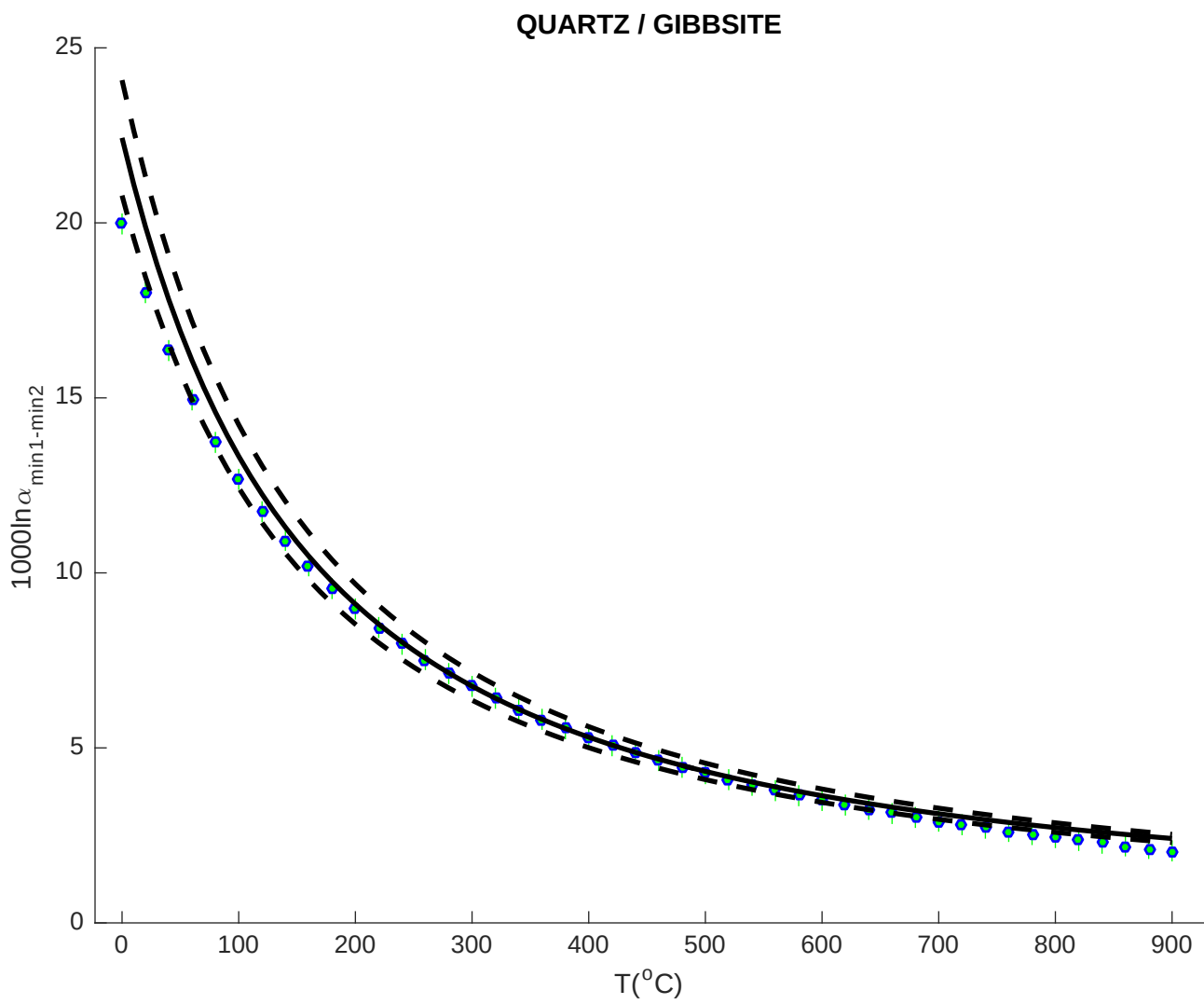
QUARTZ / LEPIDOCROCITE

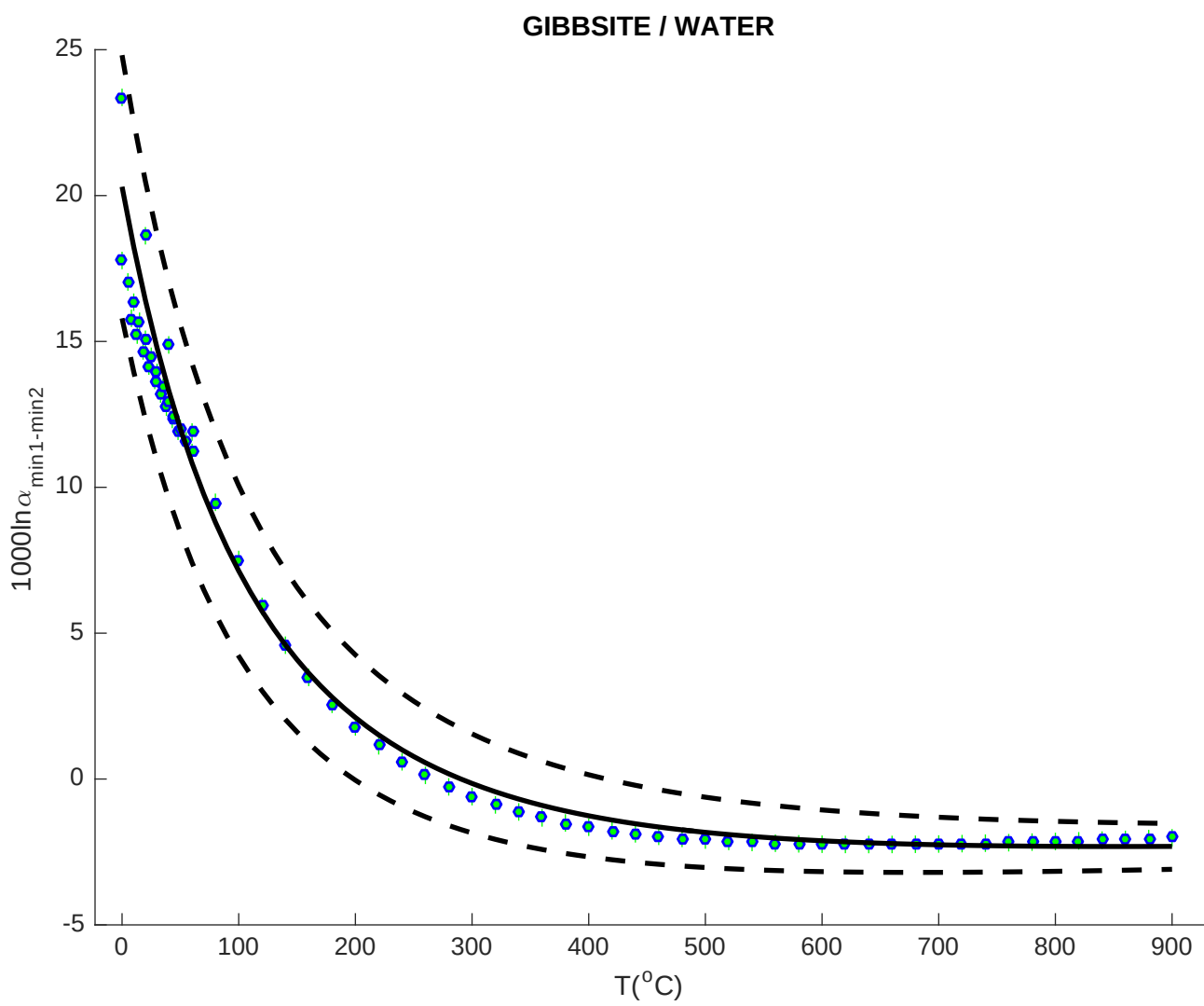




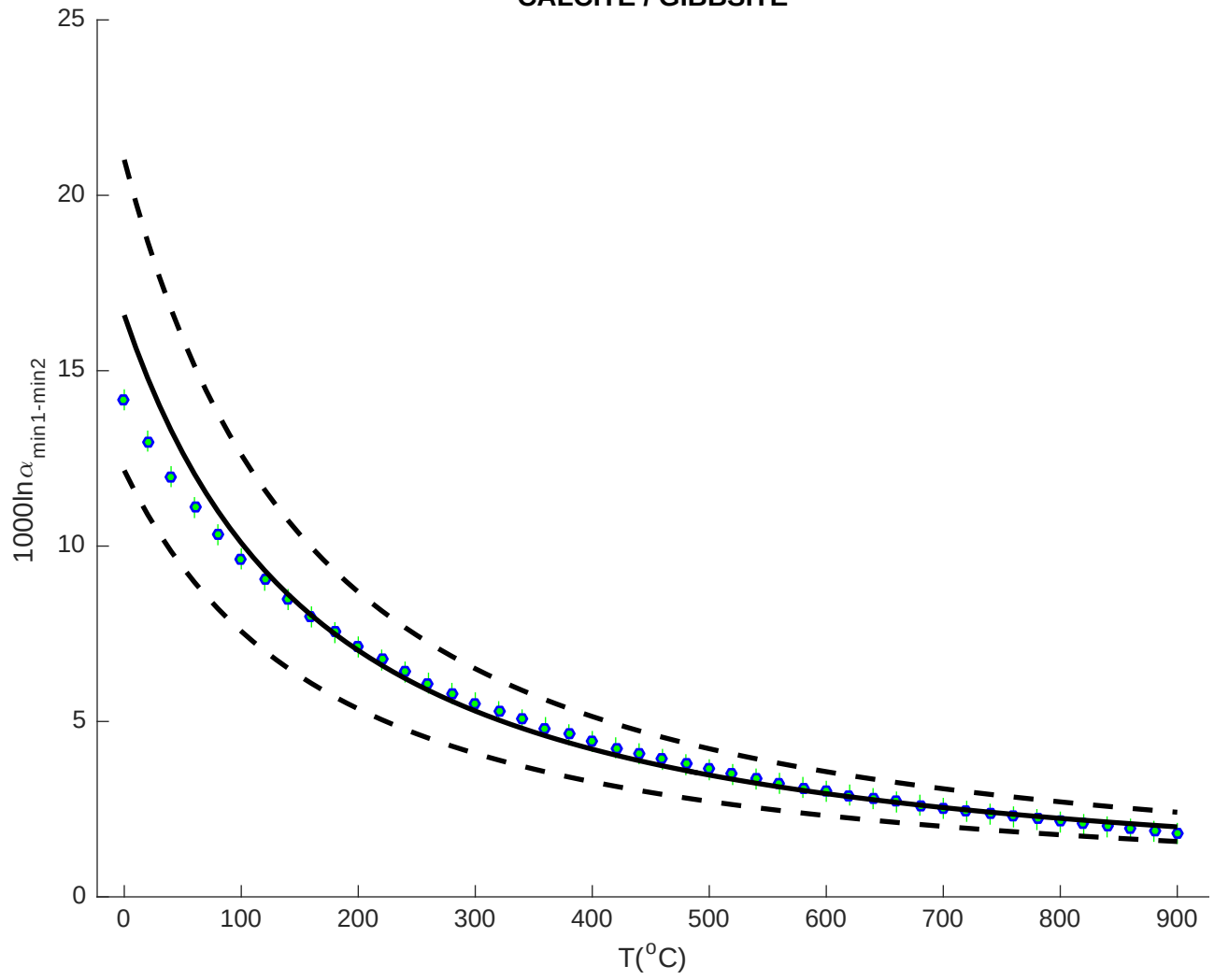
CALCITE / LEPIDOCROCITE

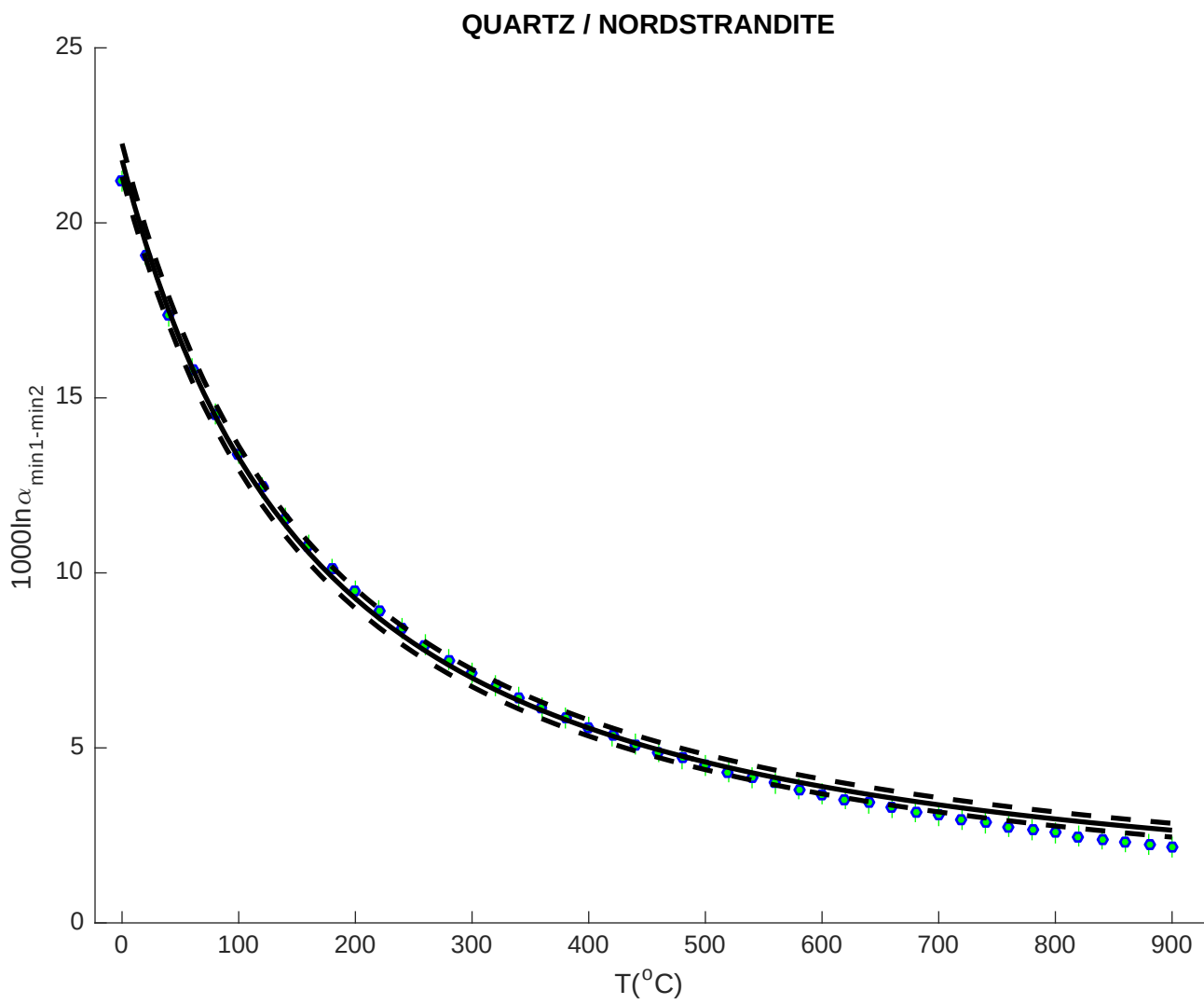


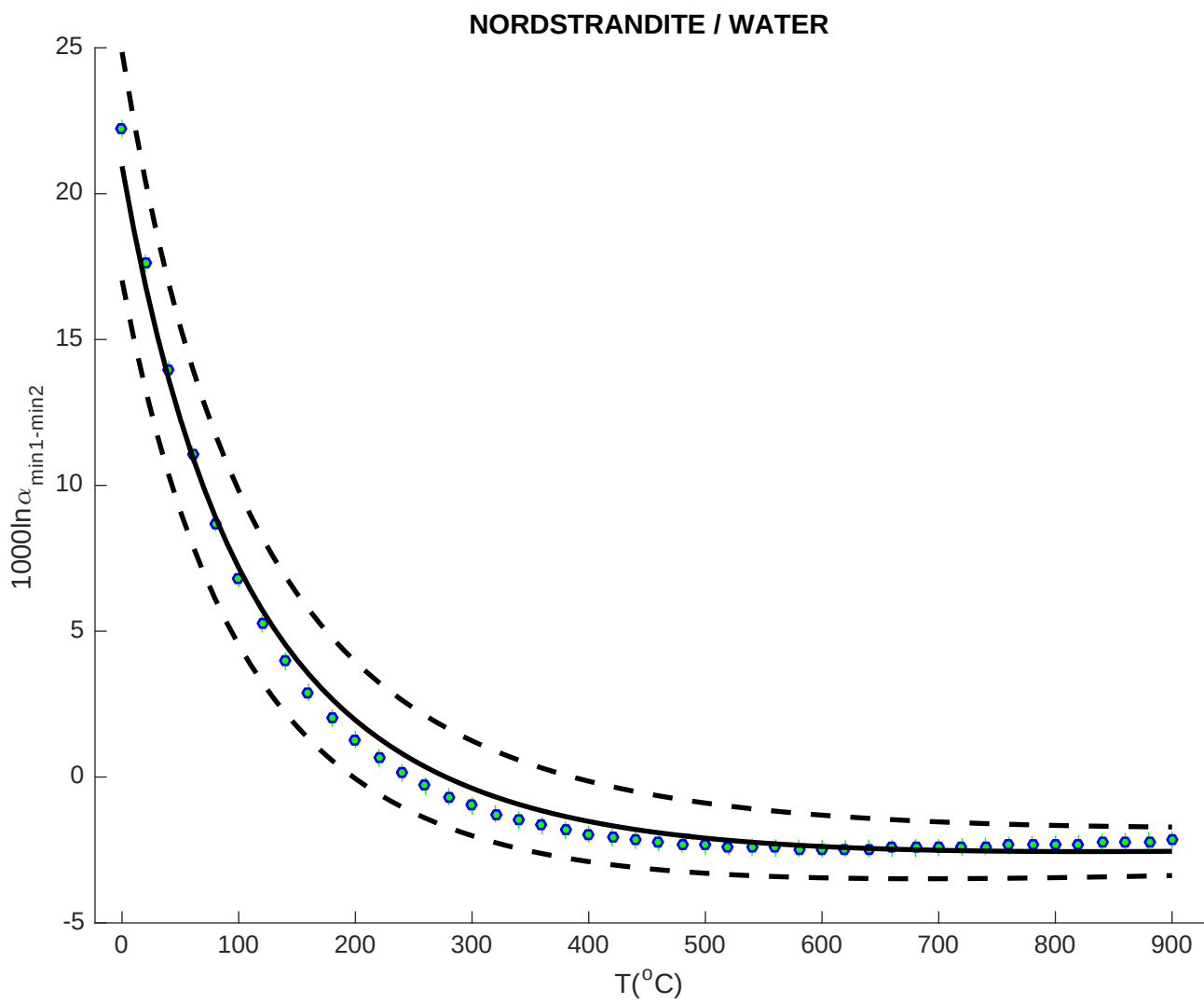




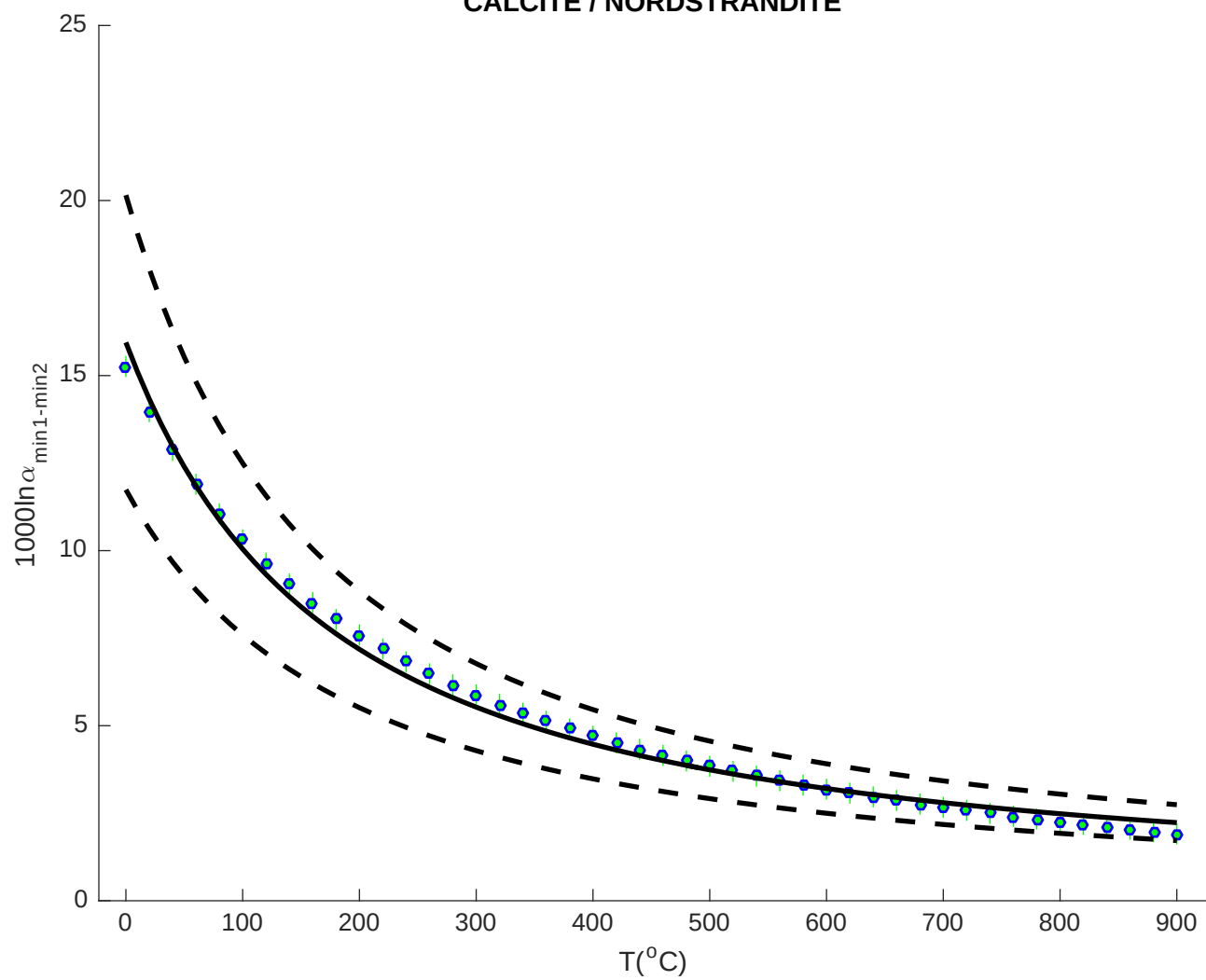
CALCITE / GIBBSITE

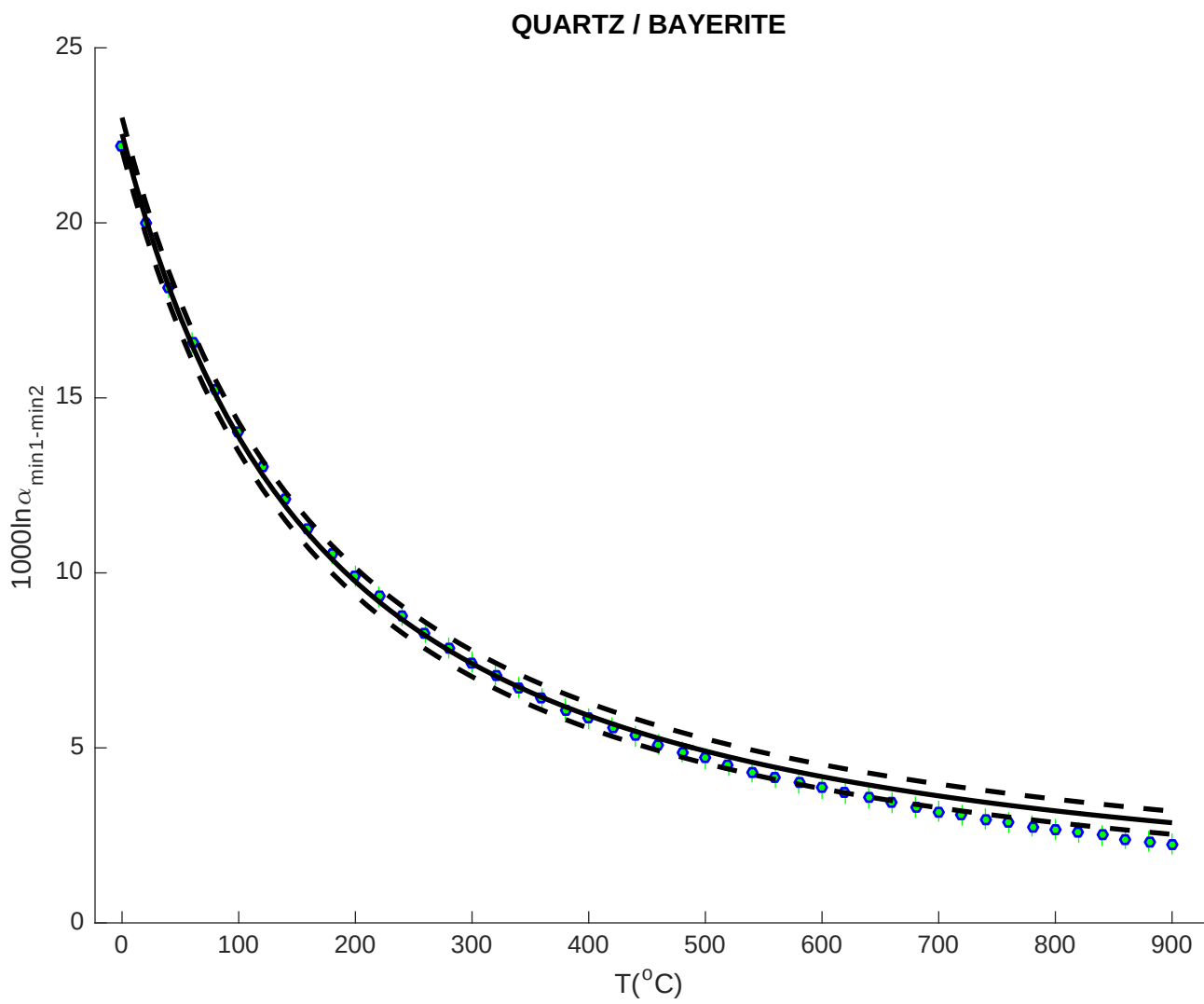


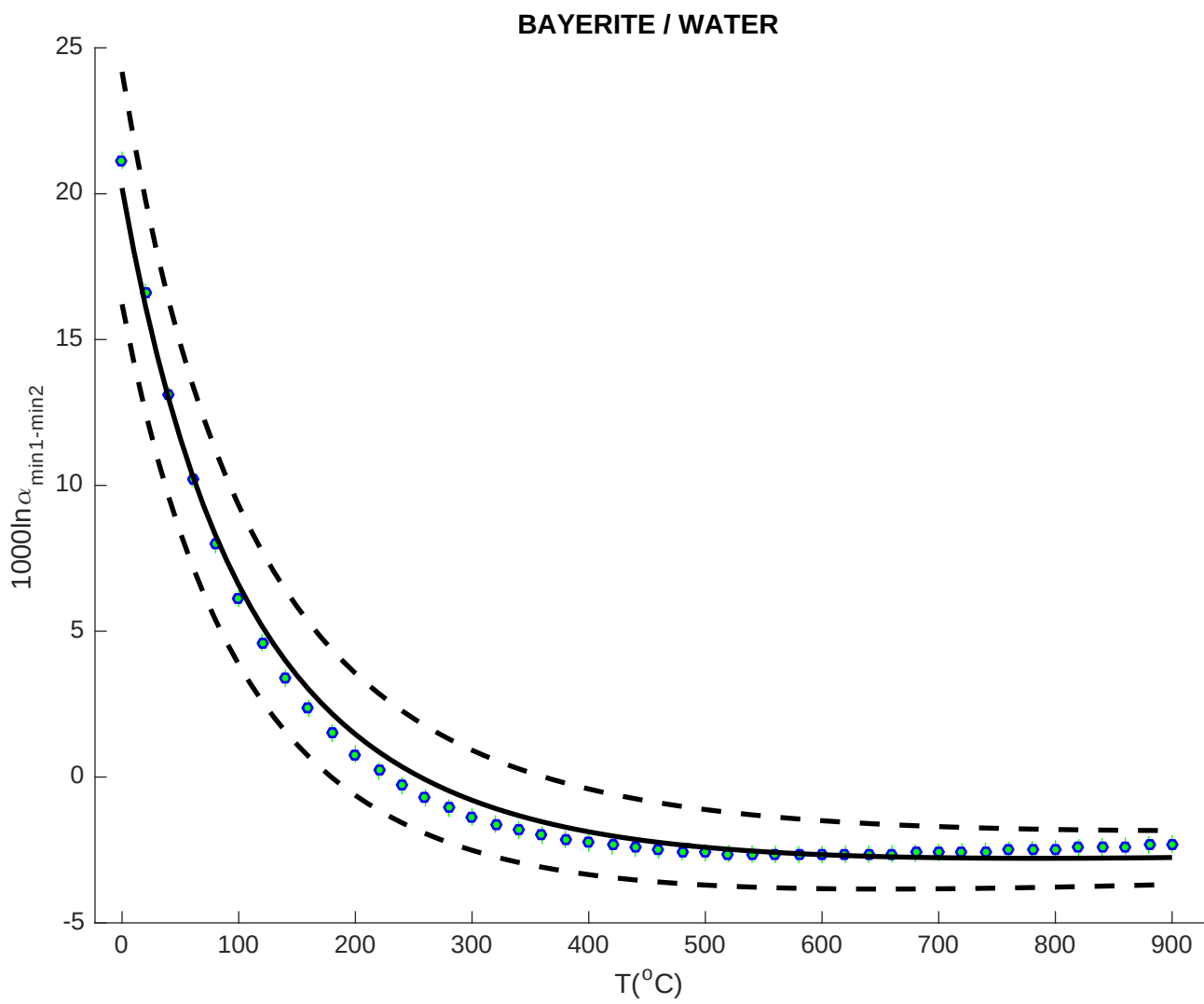




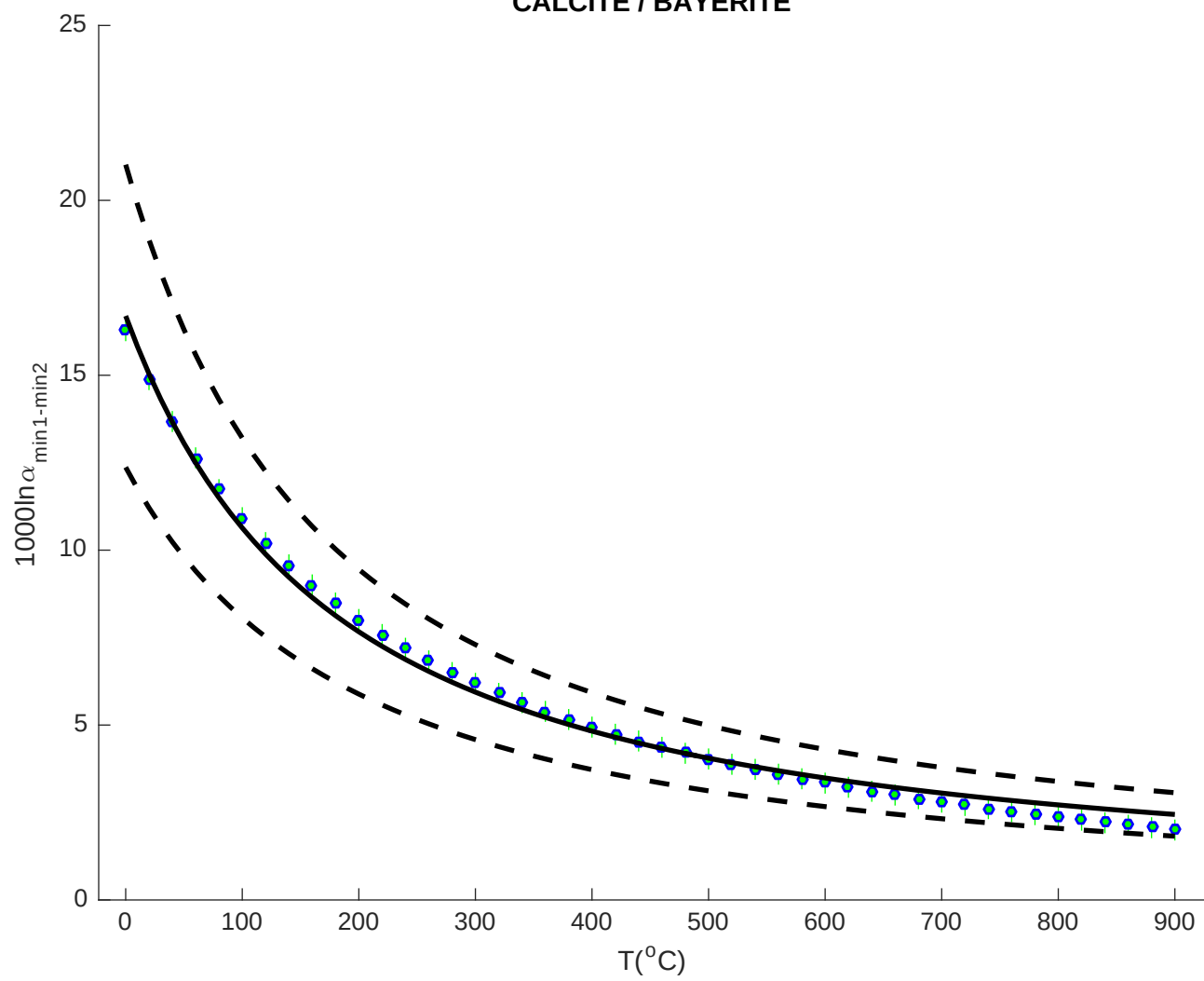
CALCITE / NORDSTRANDITE

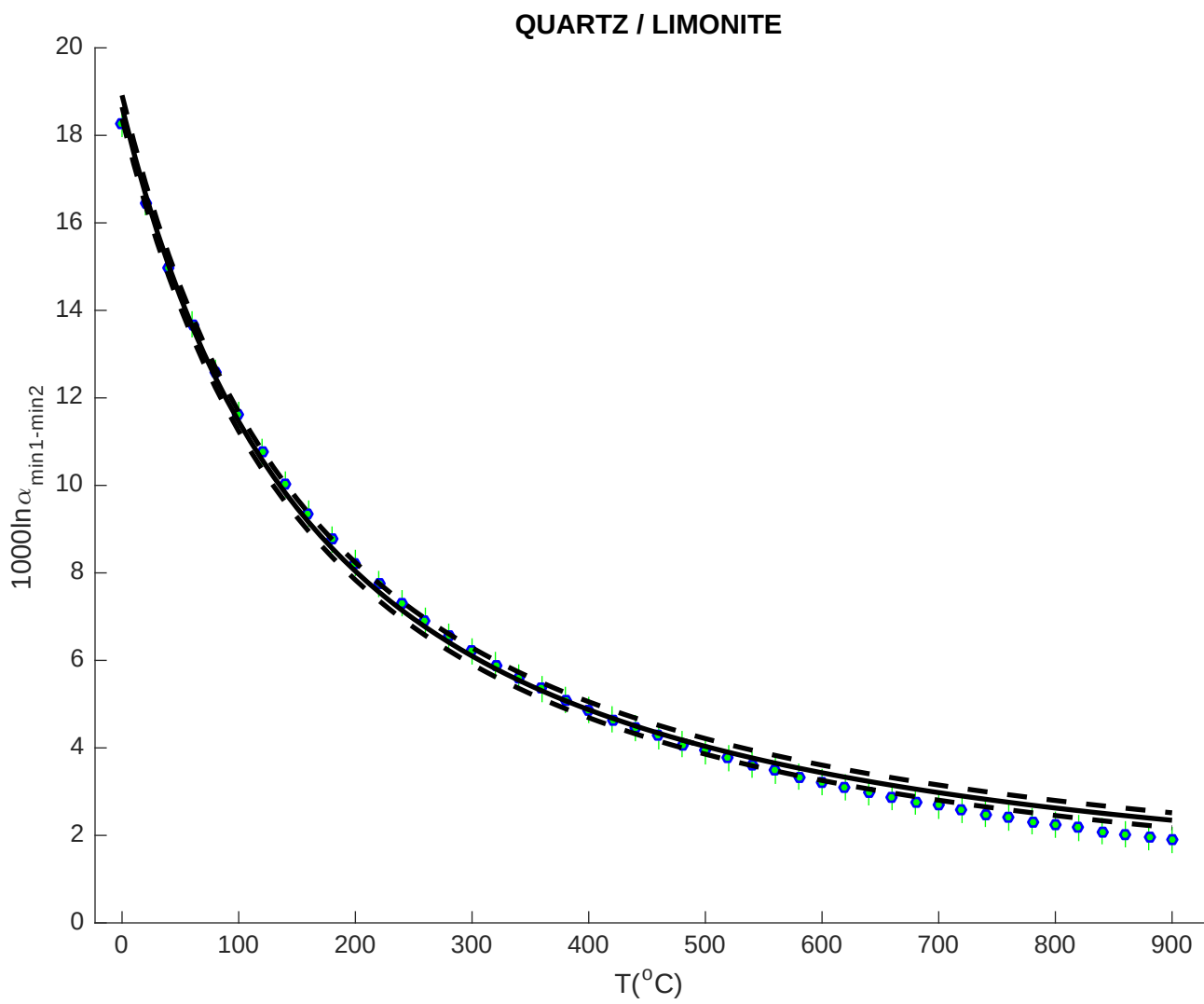


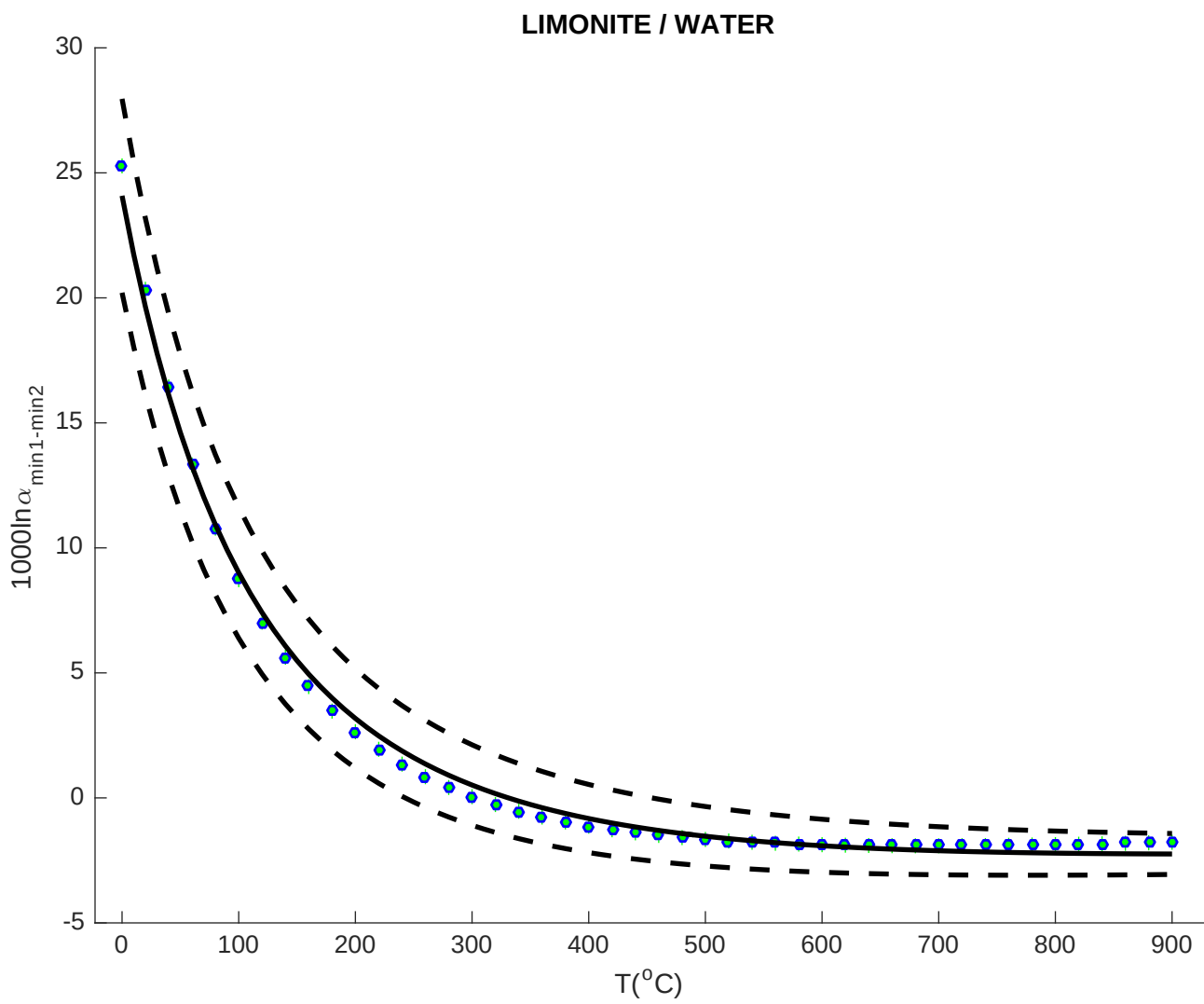


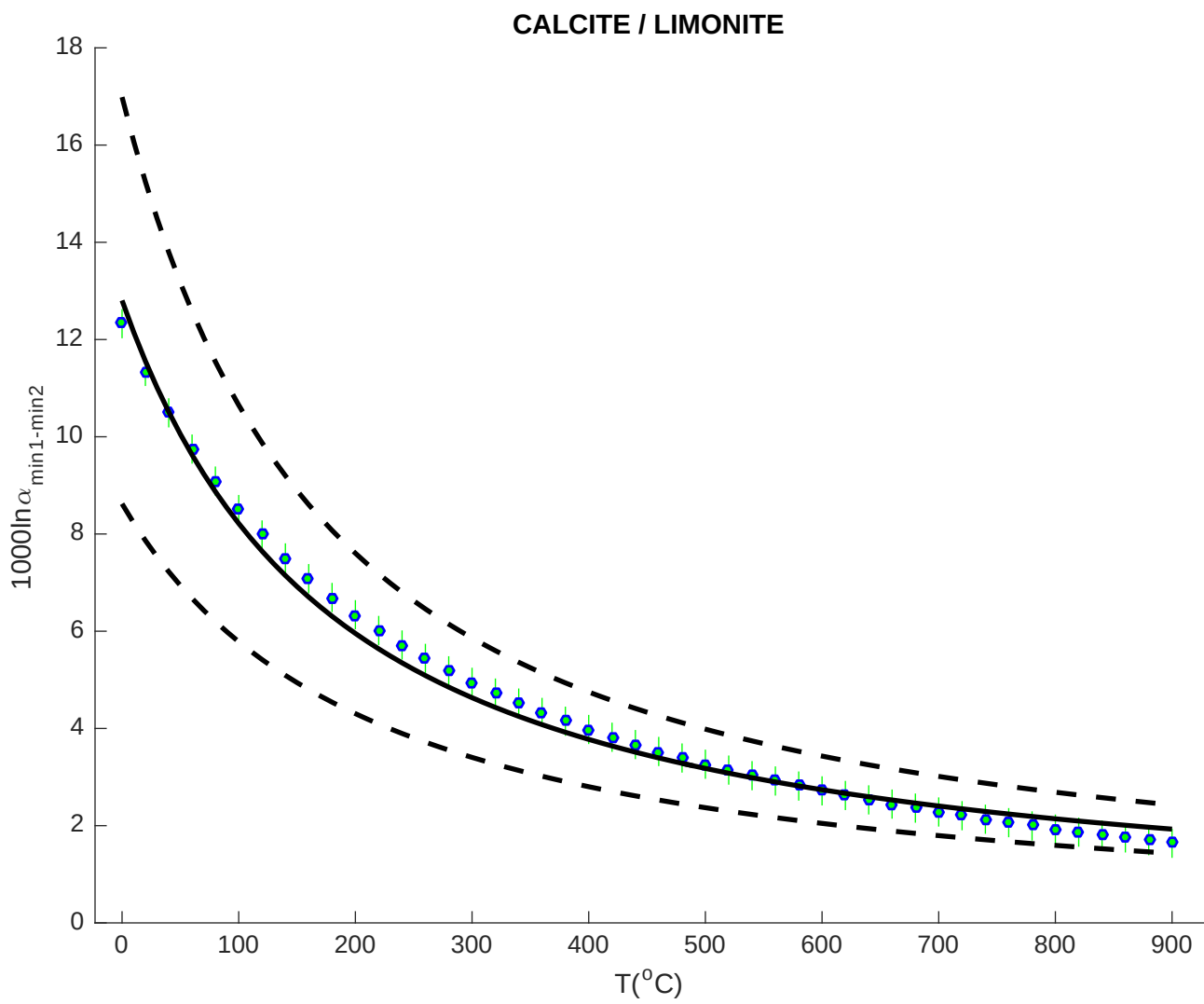


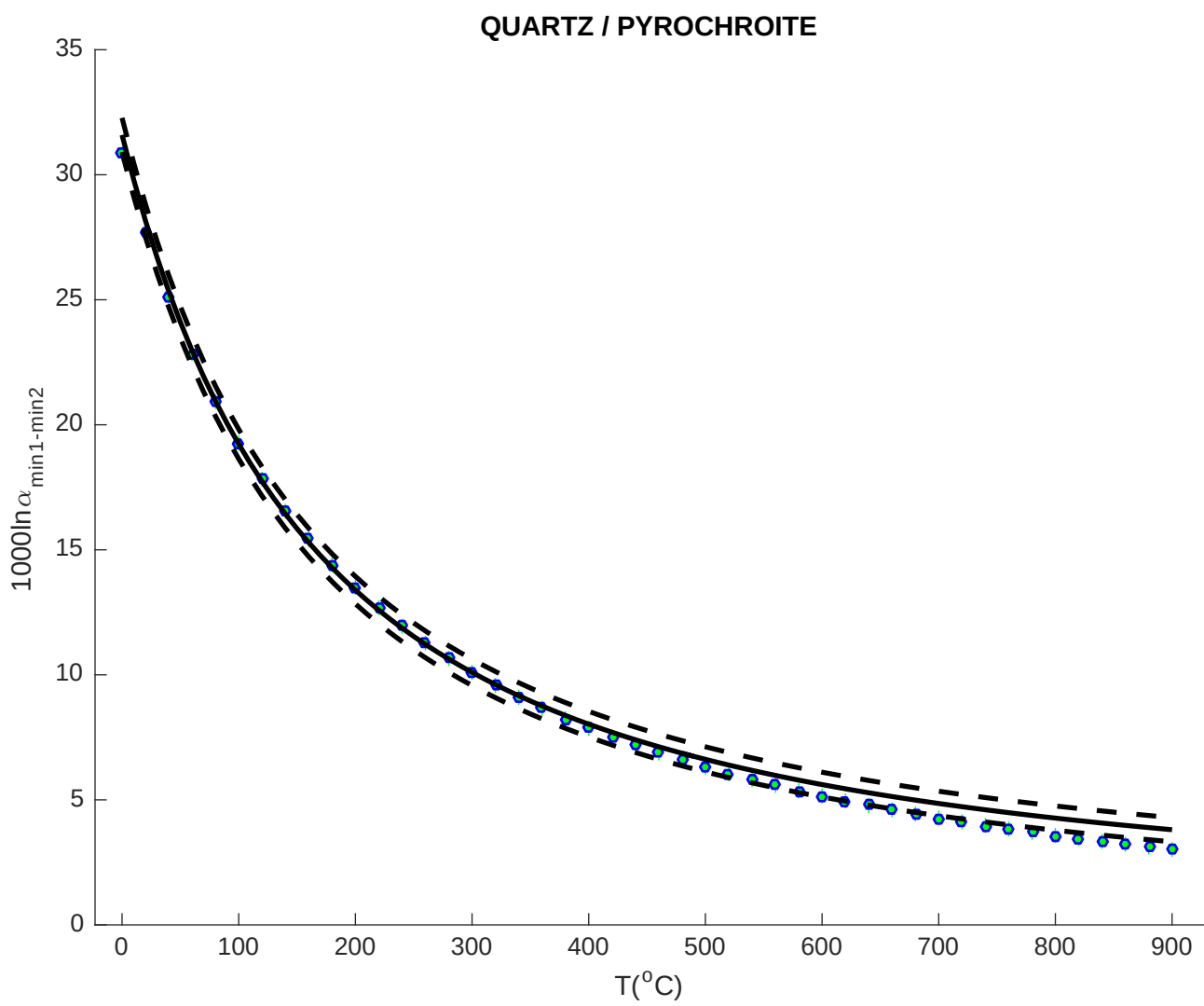
CALCITE / BAYERITE

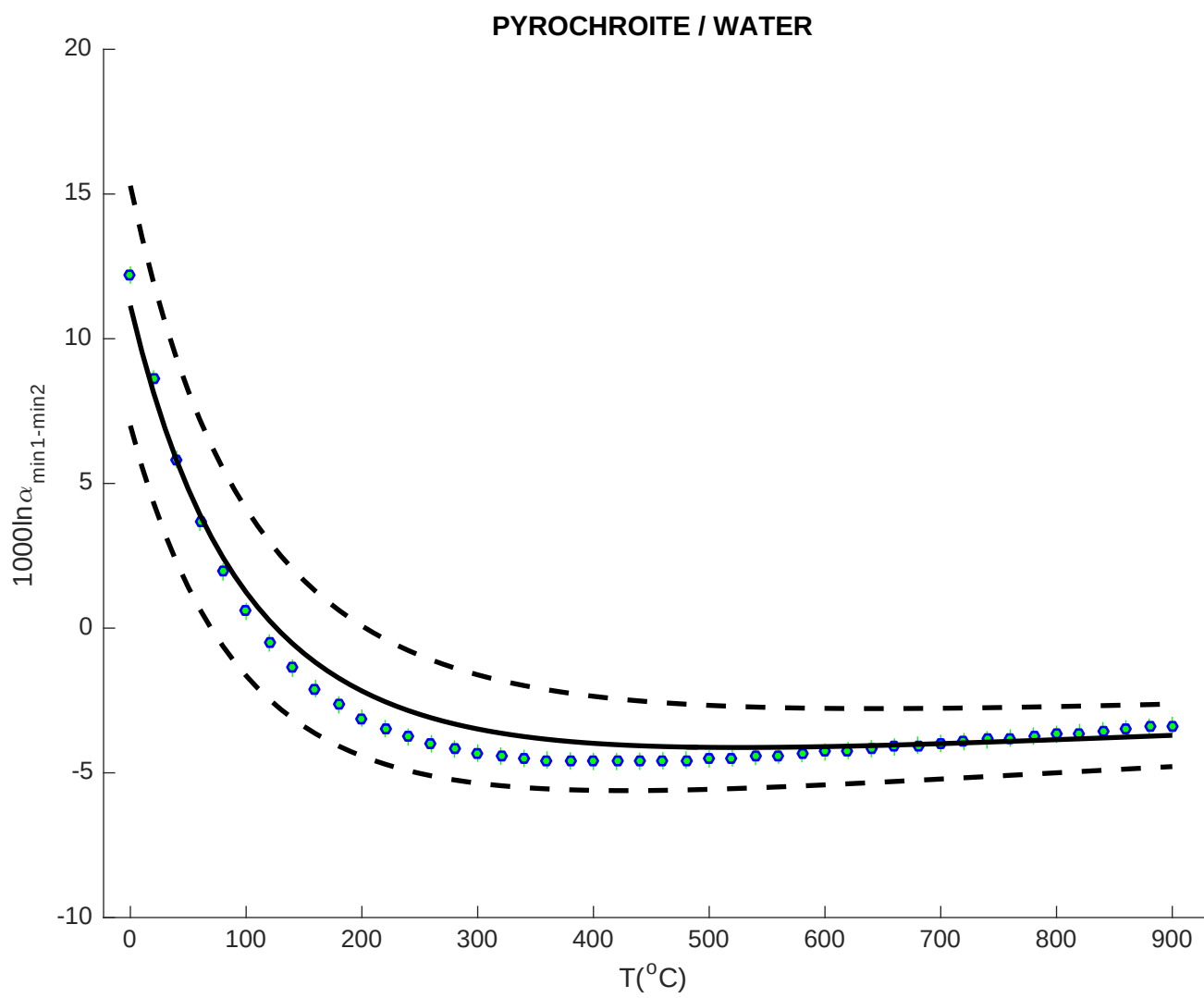


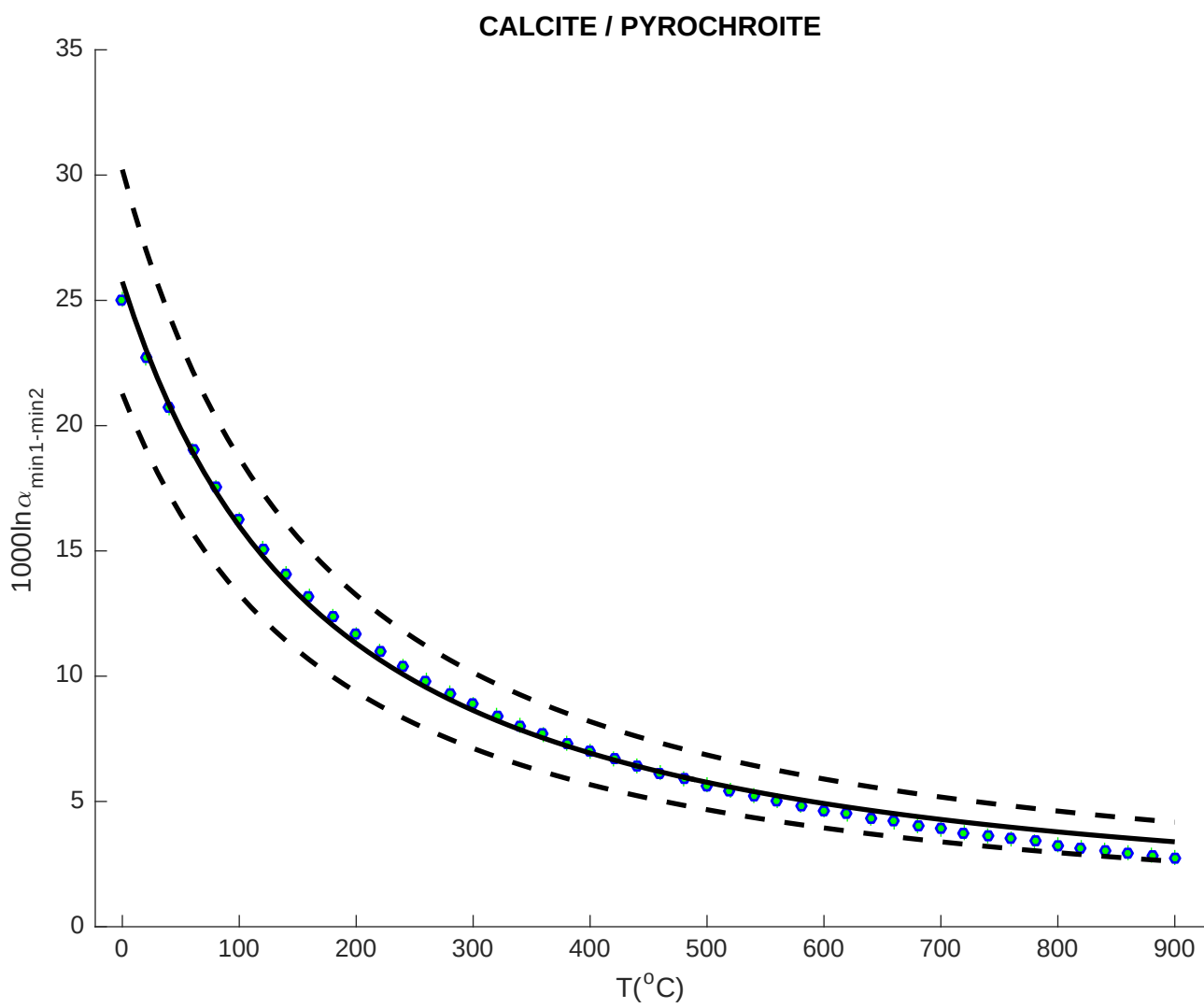


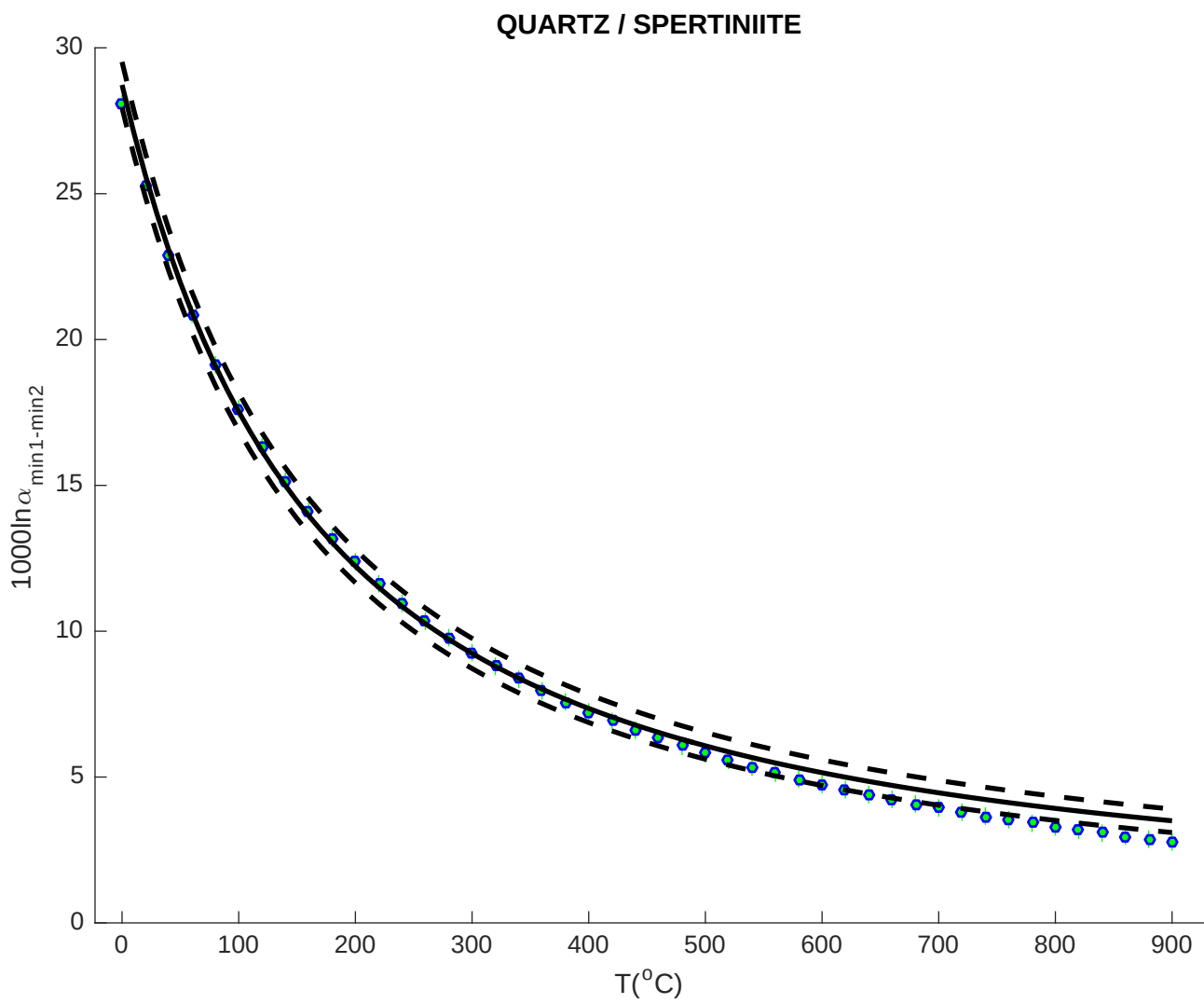


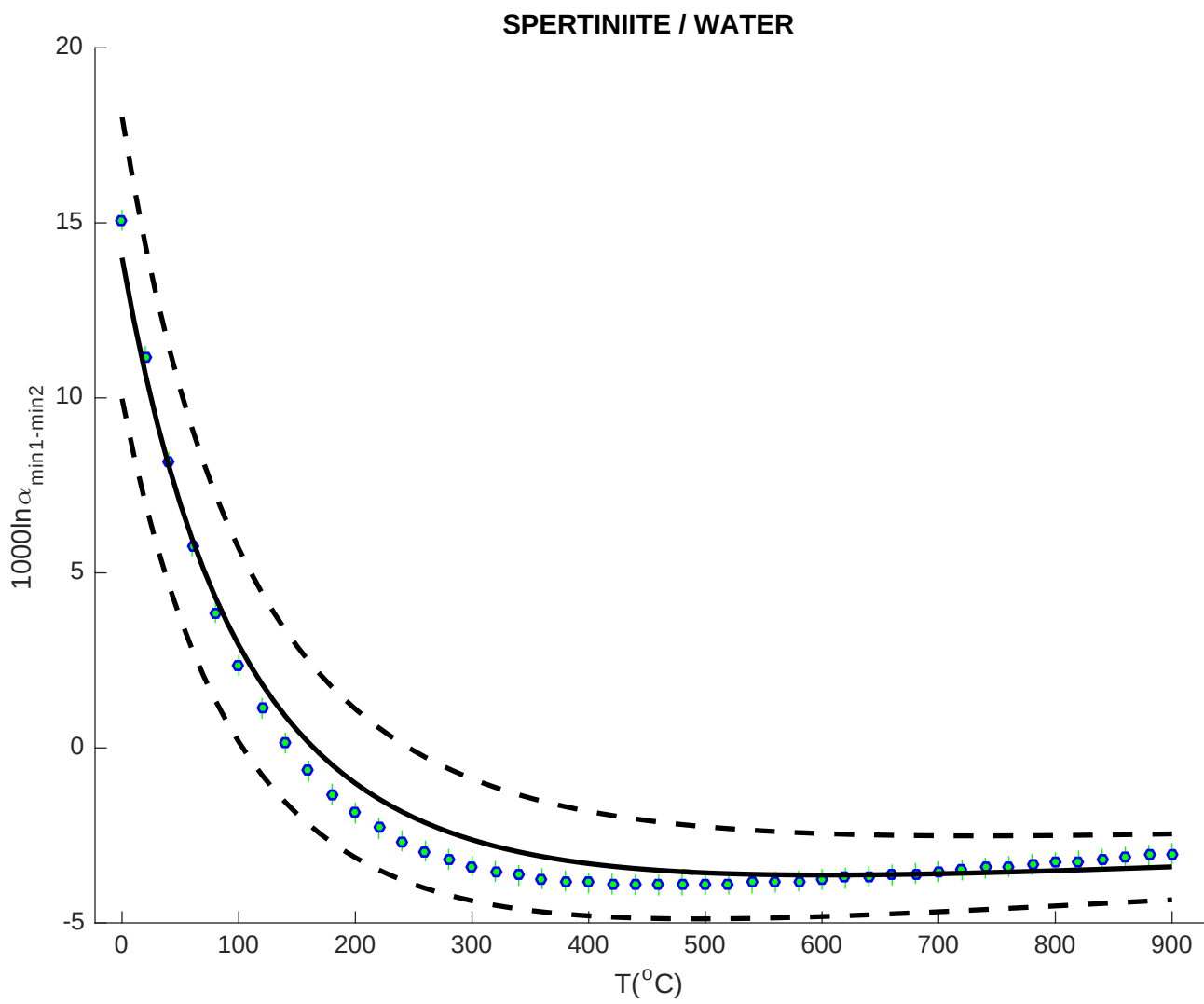




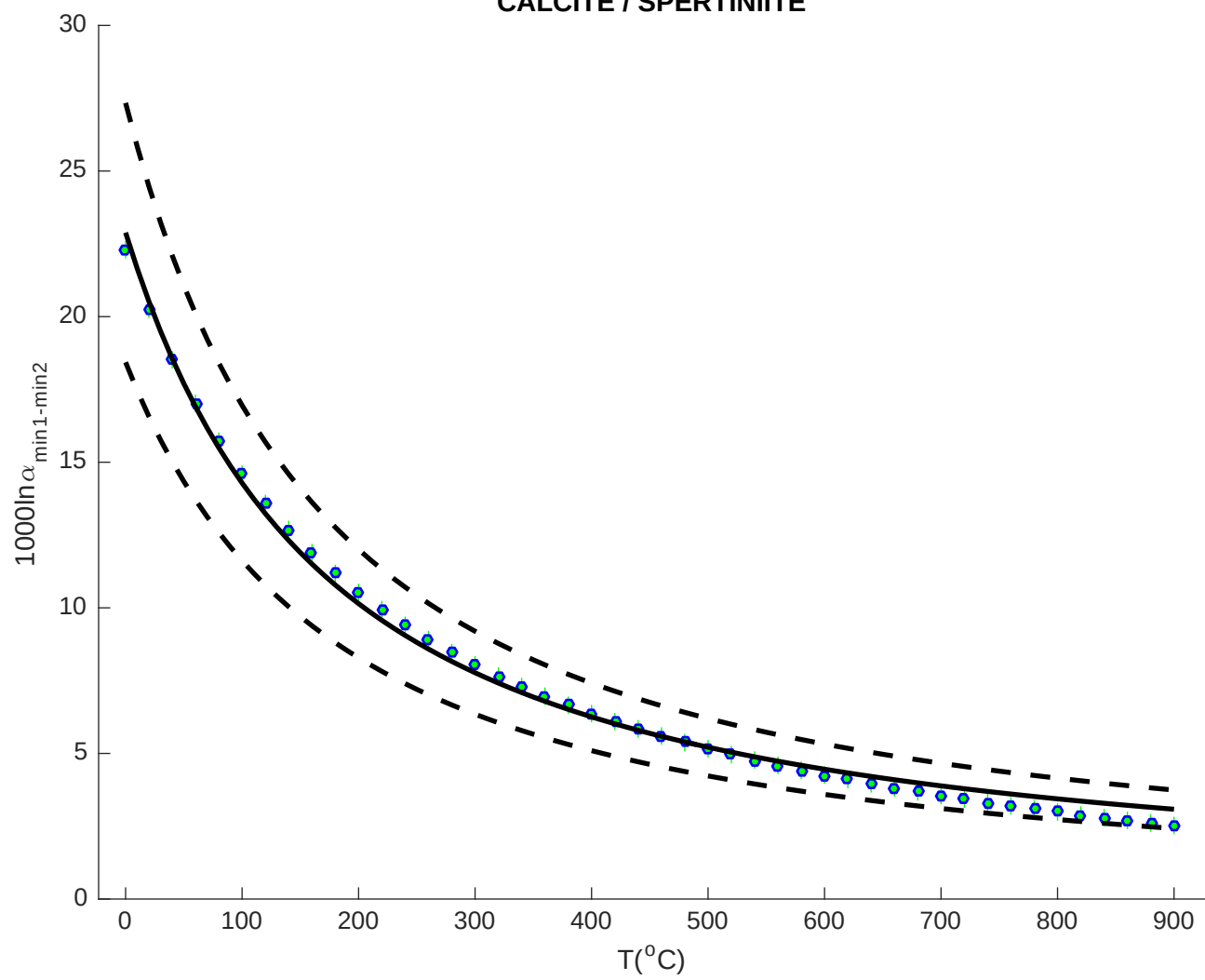


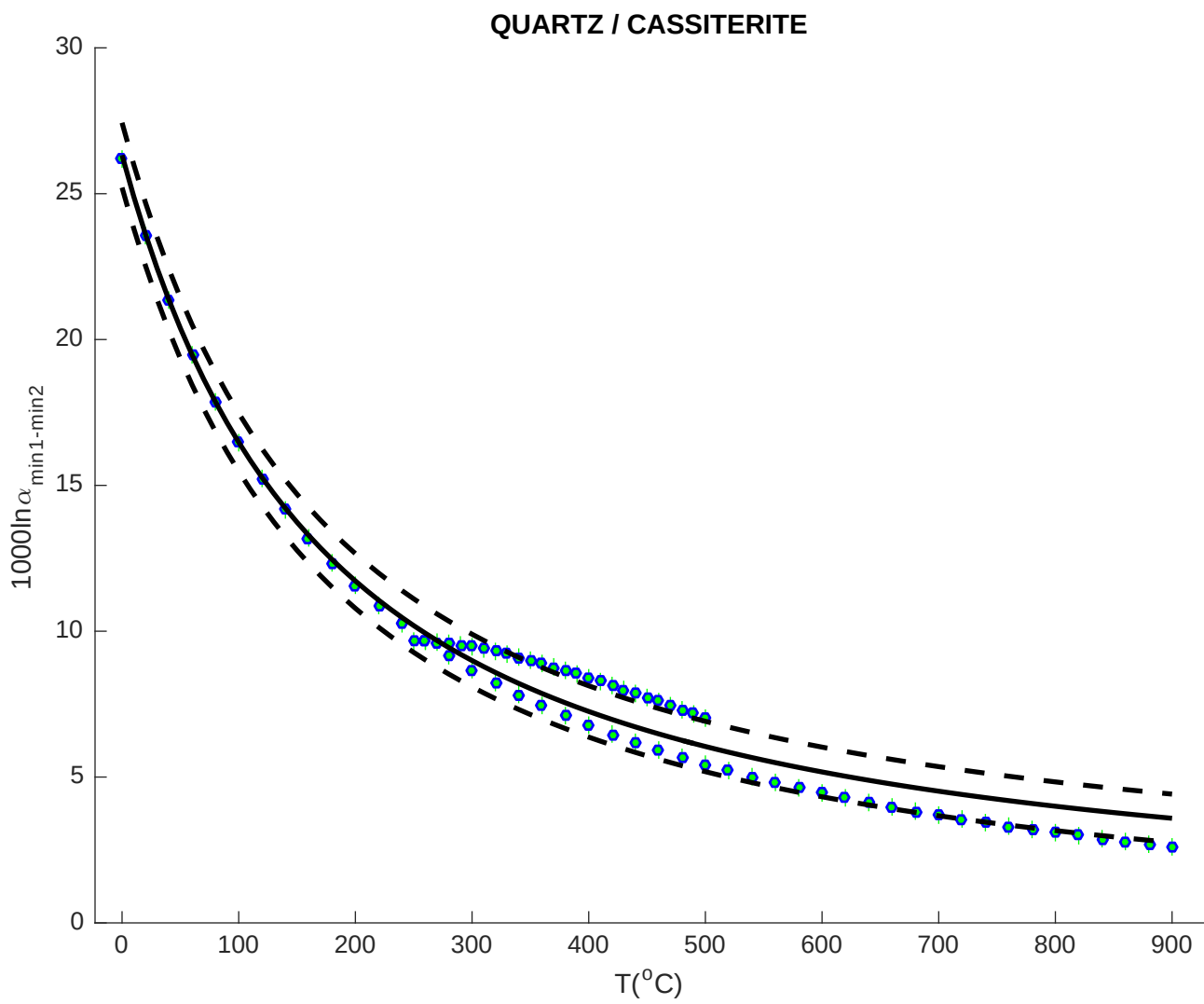


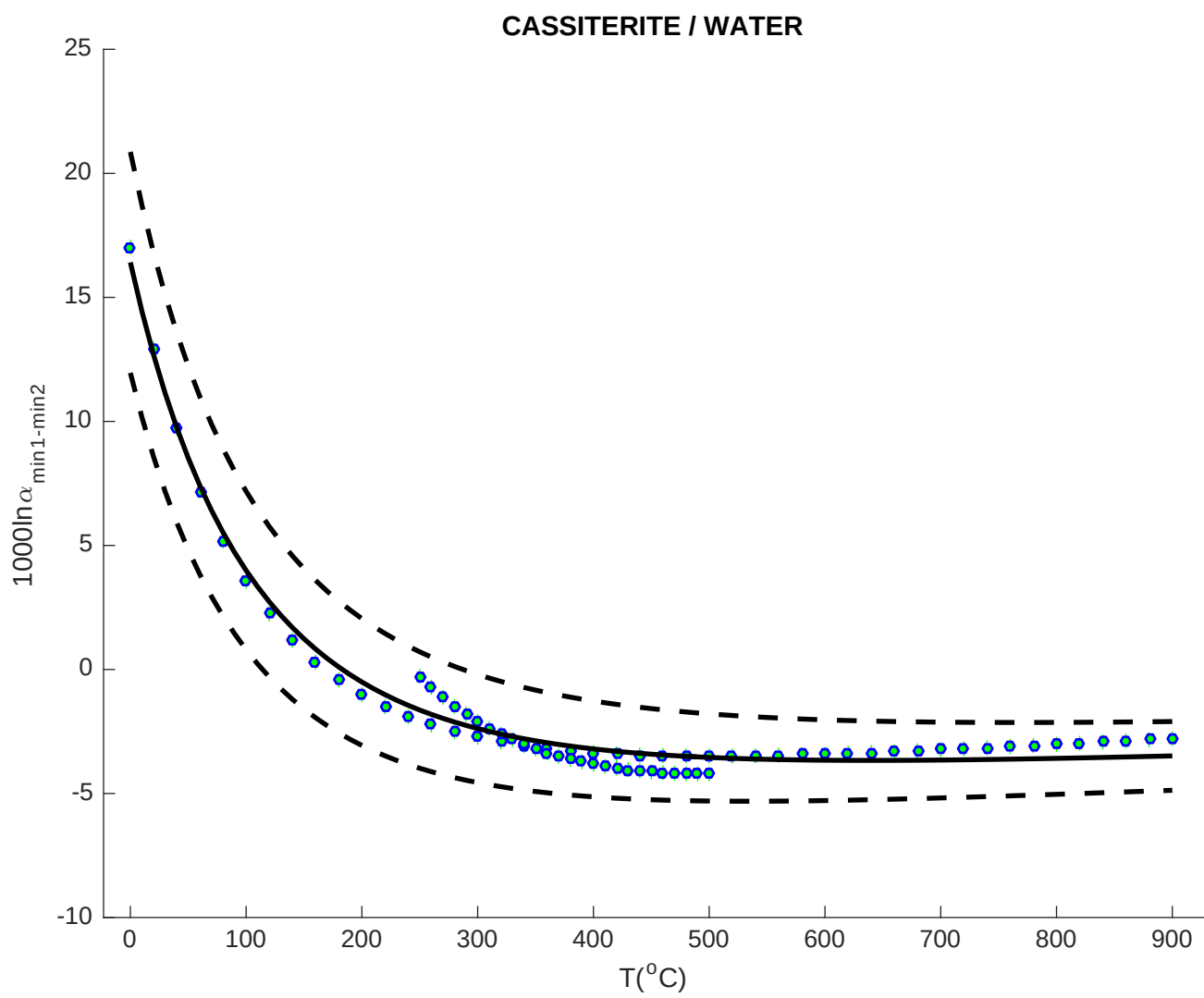




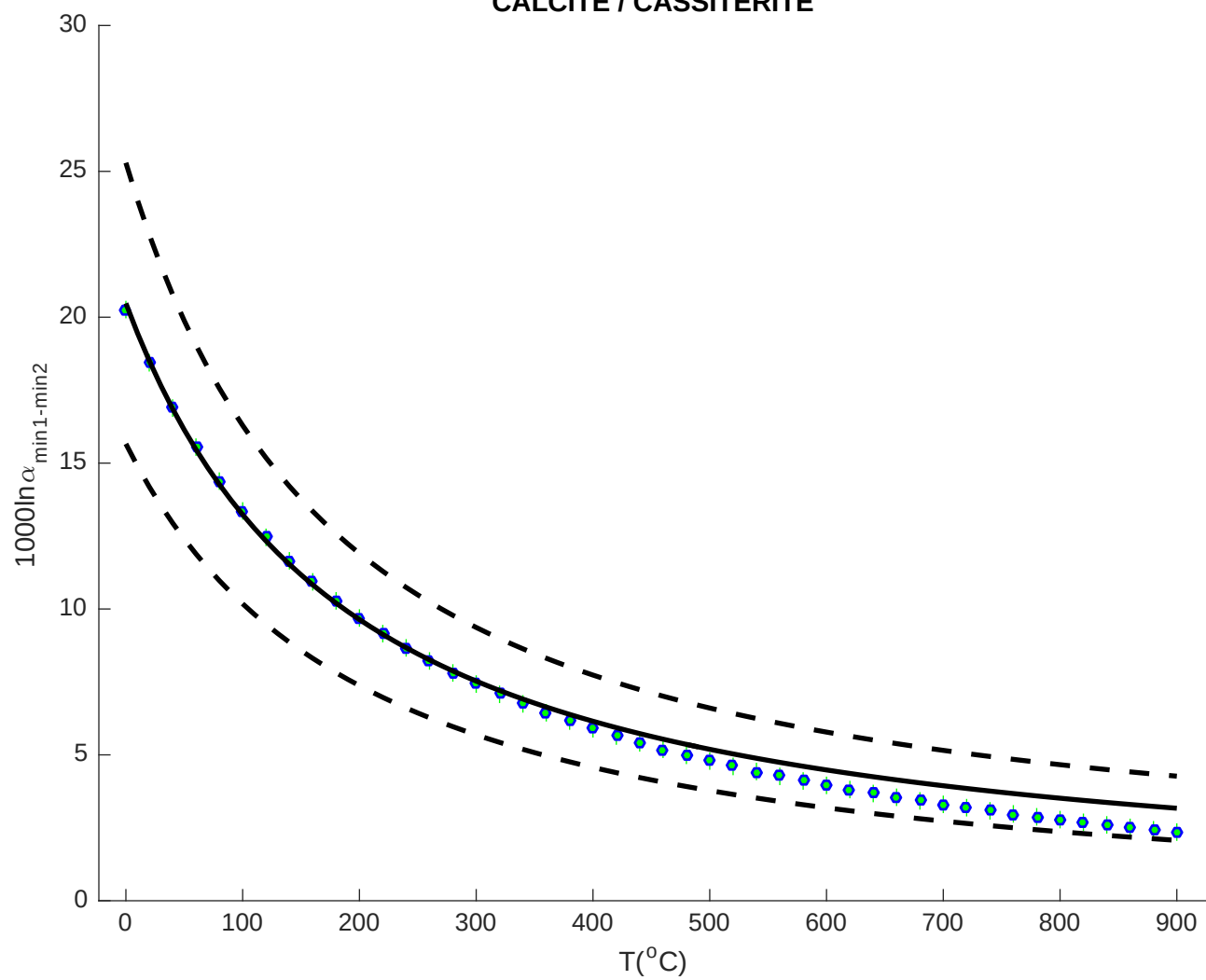
CALCITE / SPERTINIITE

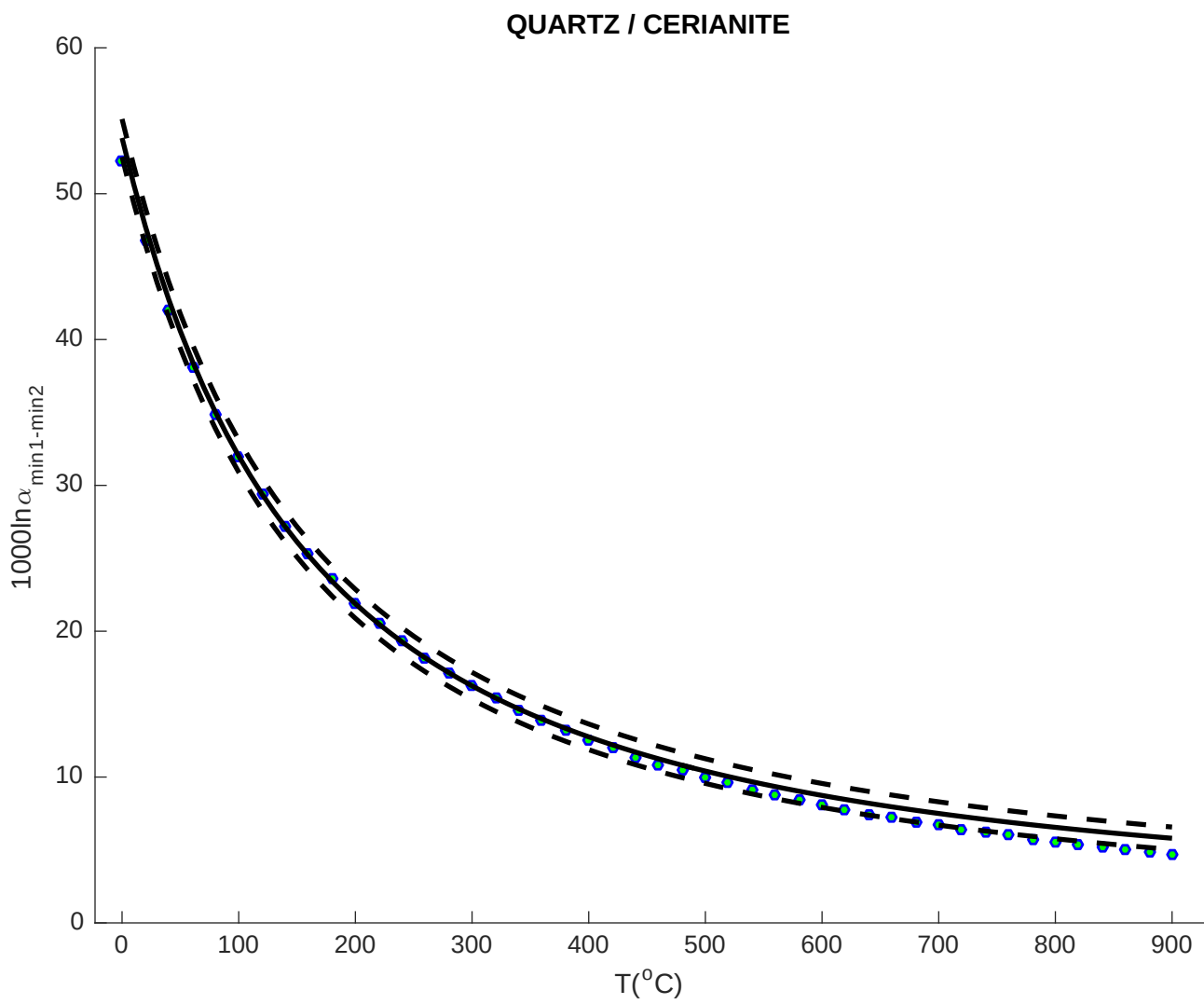


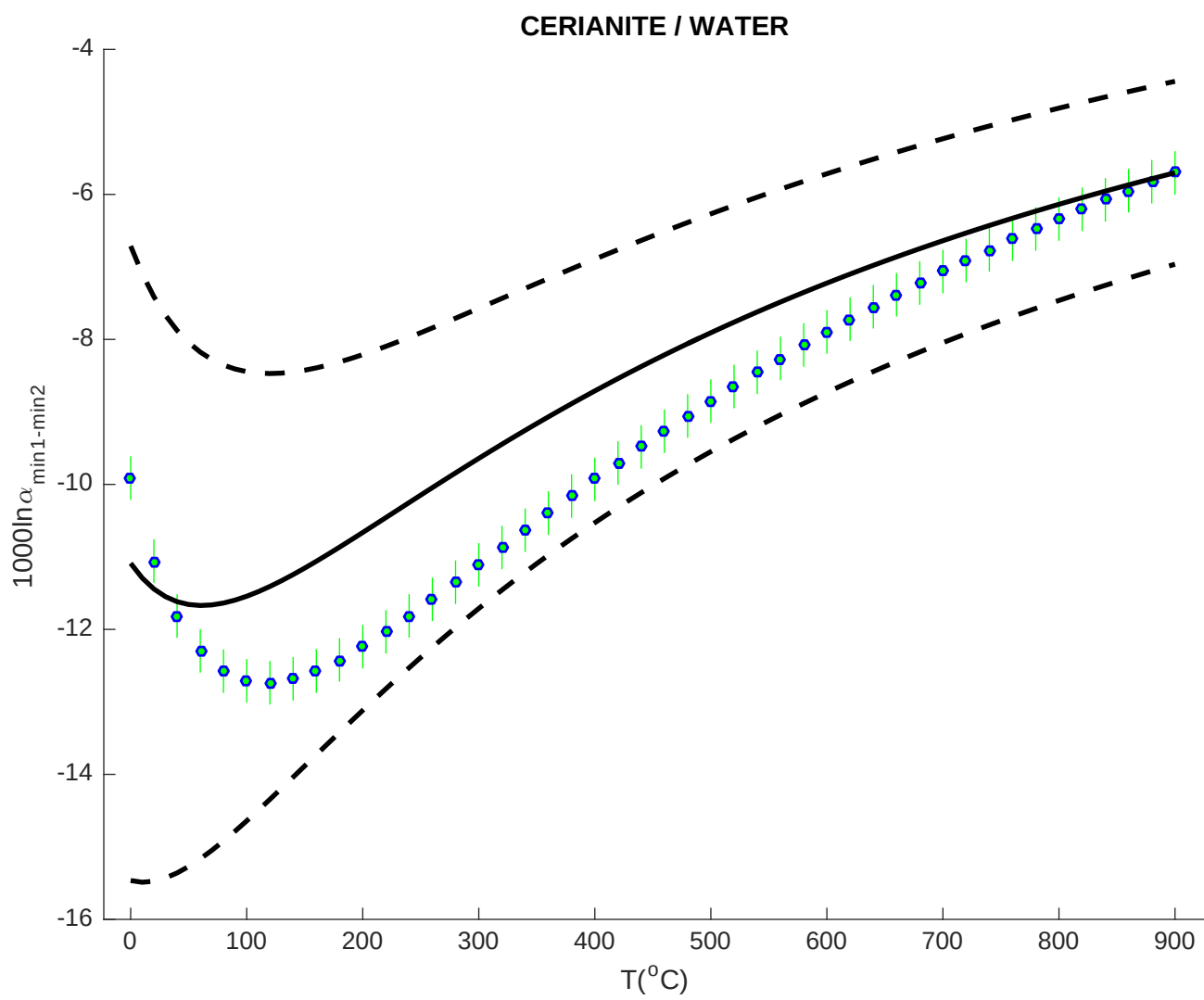




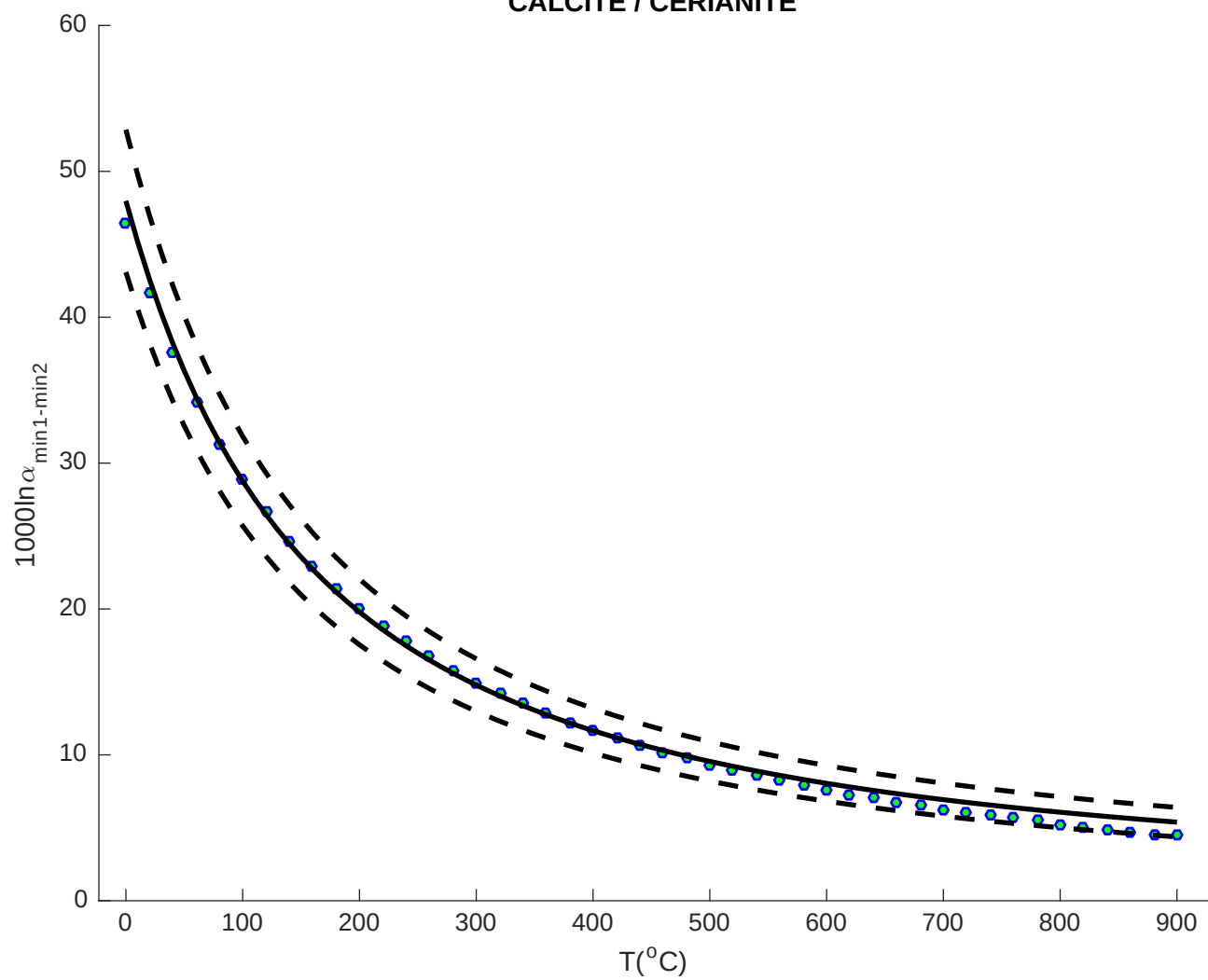
CALCITE / CASSITERITE

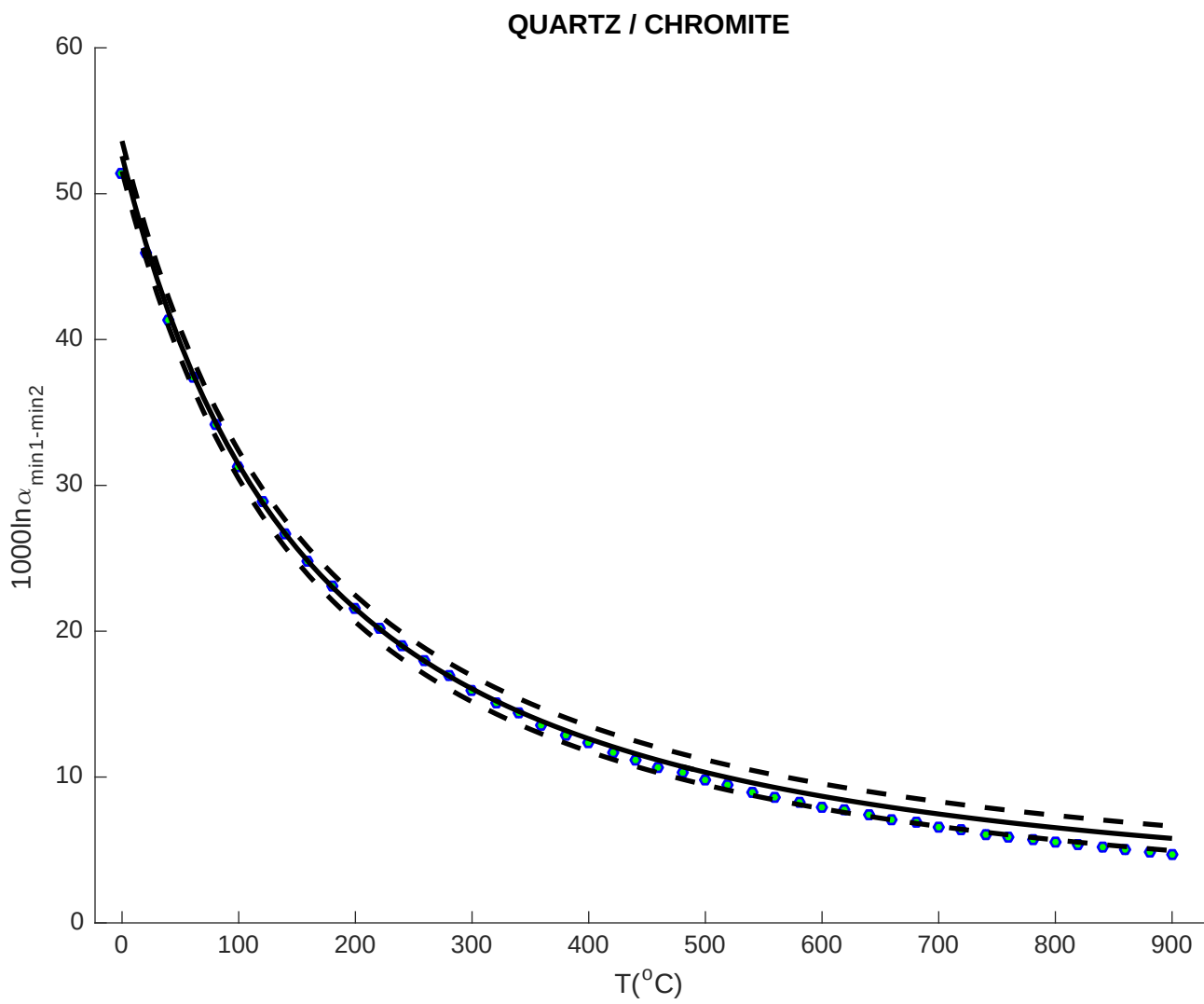


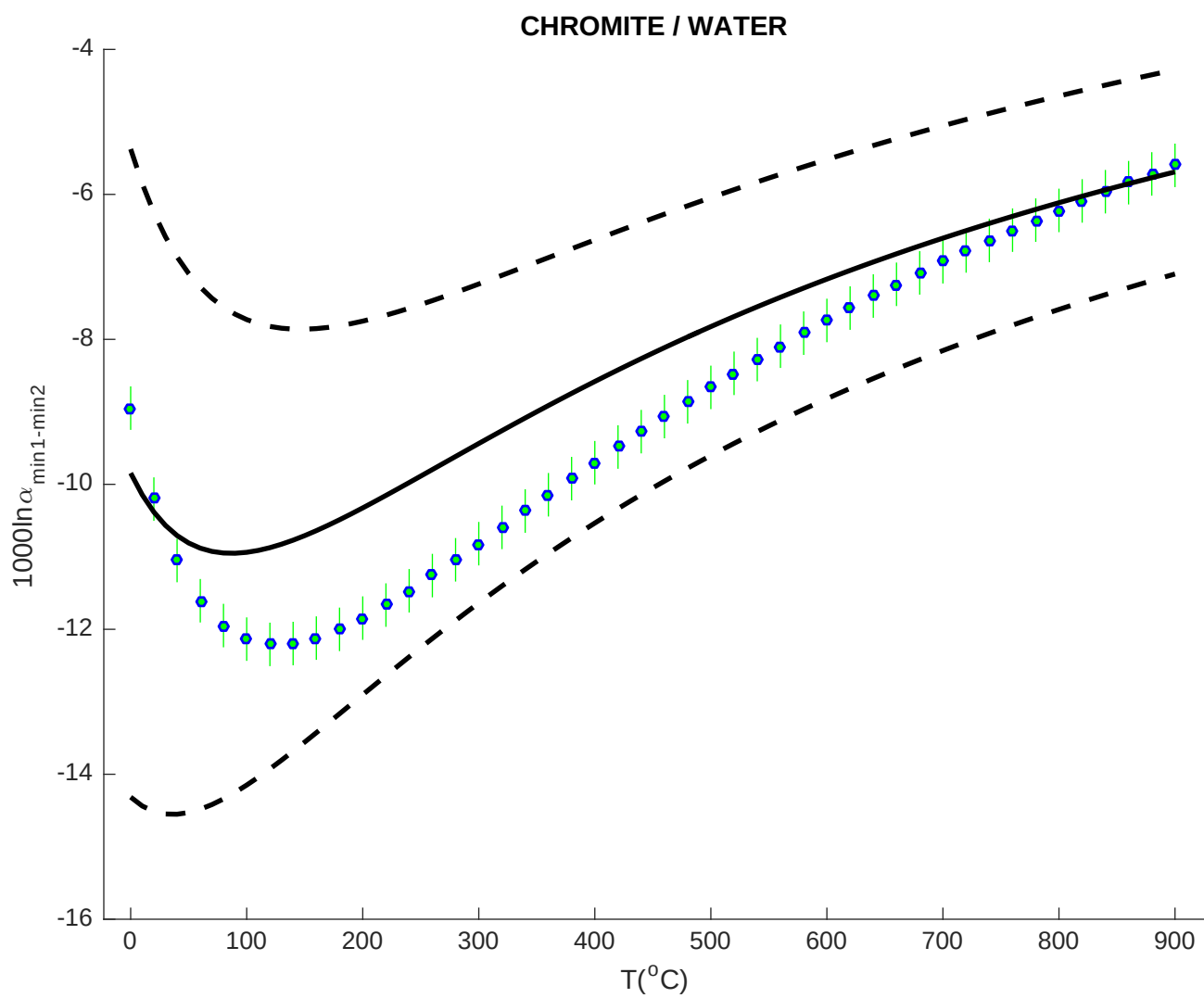




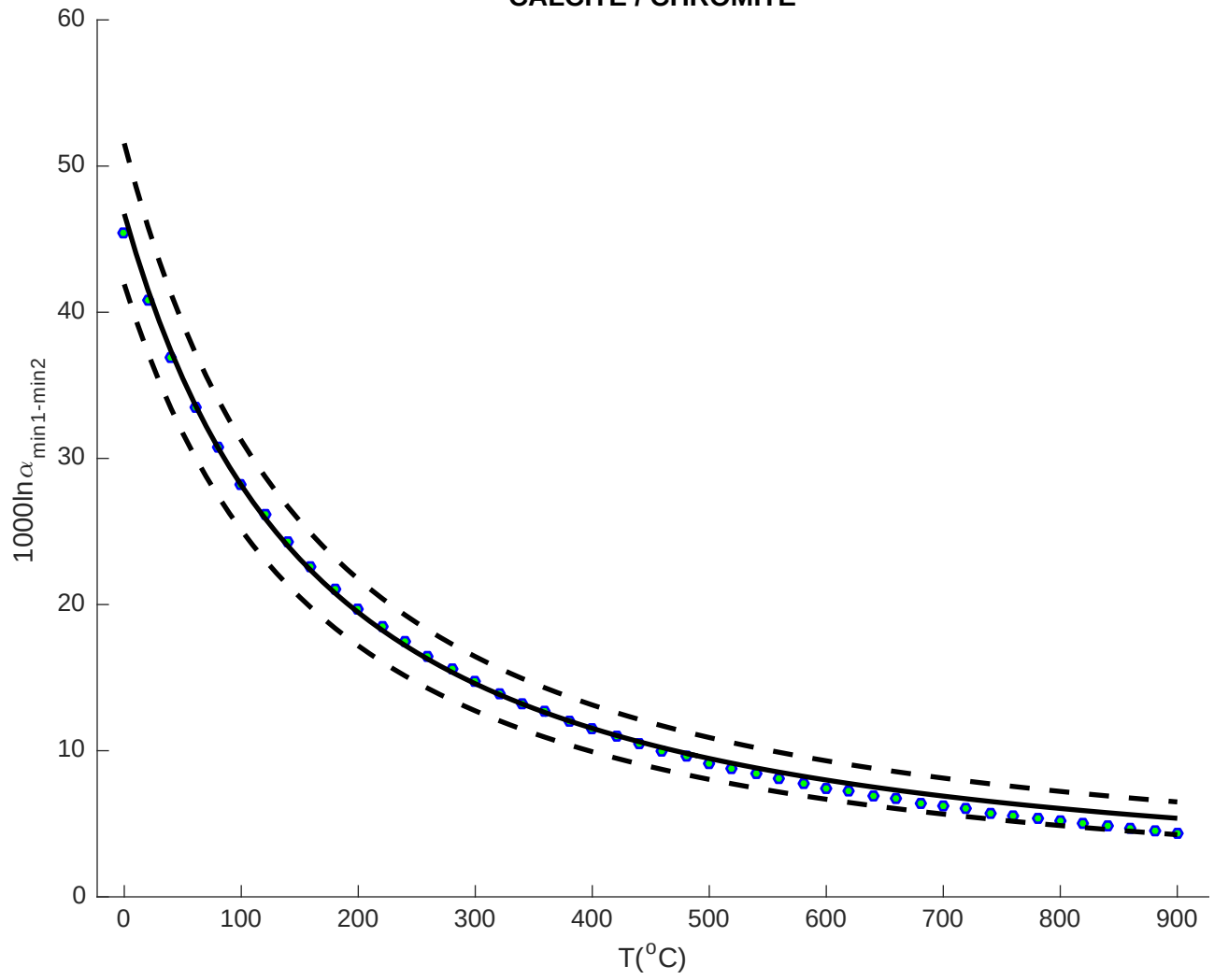
CALCITE / CERIANITE



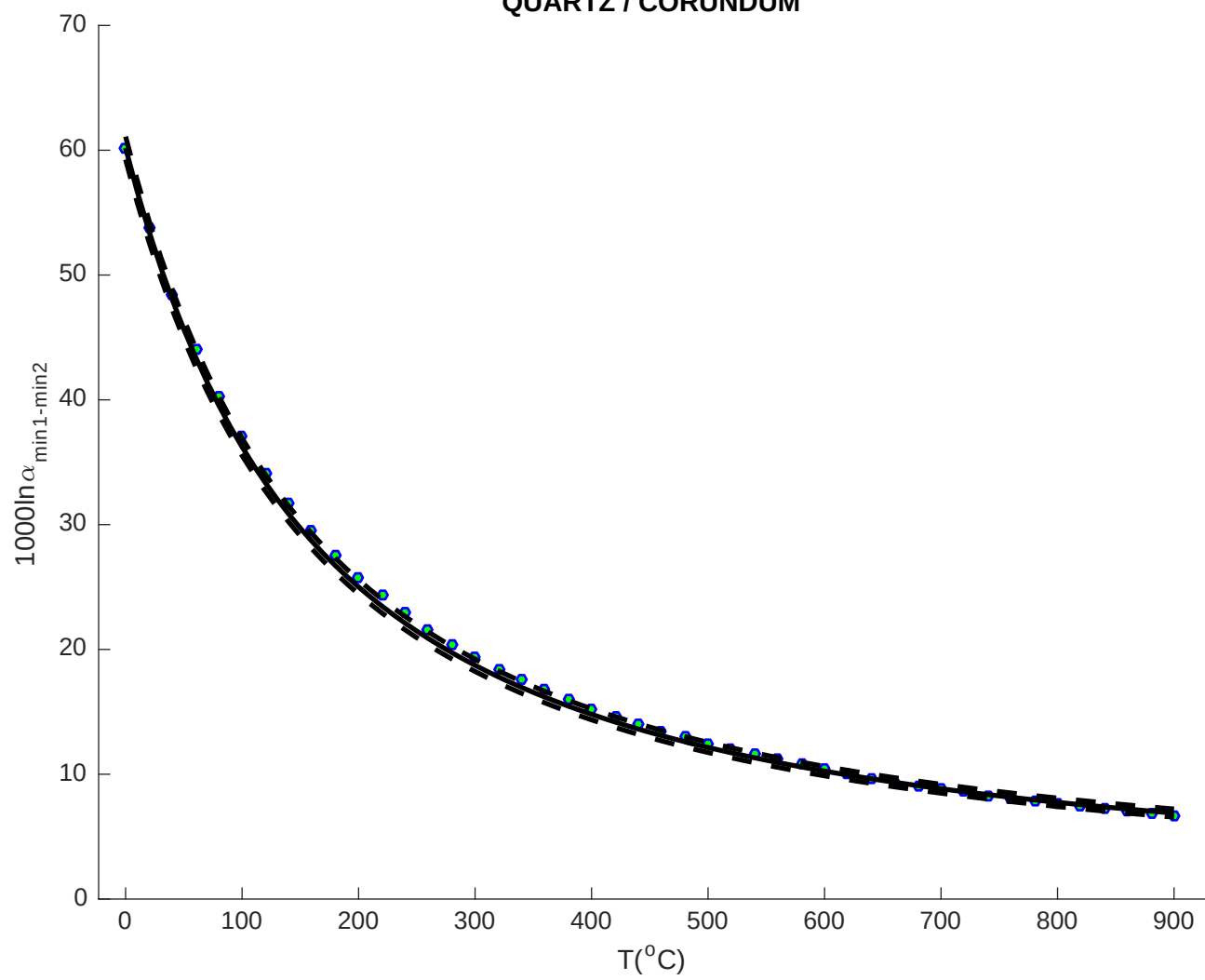


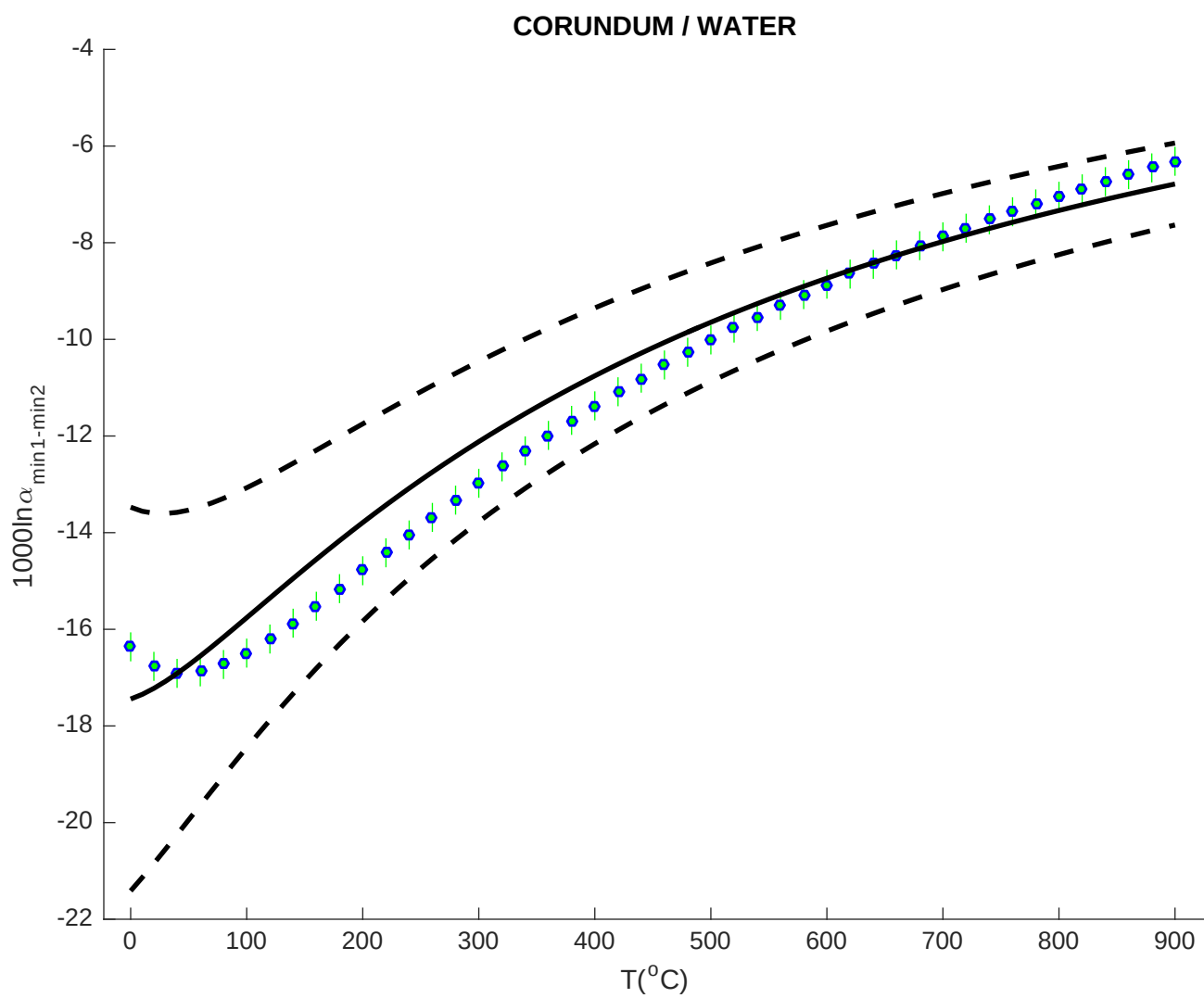


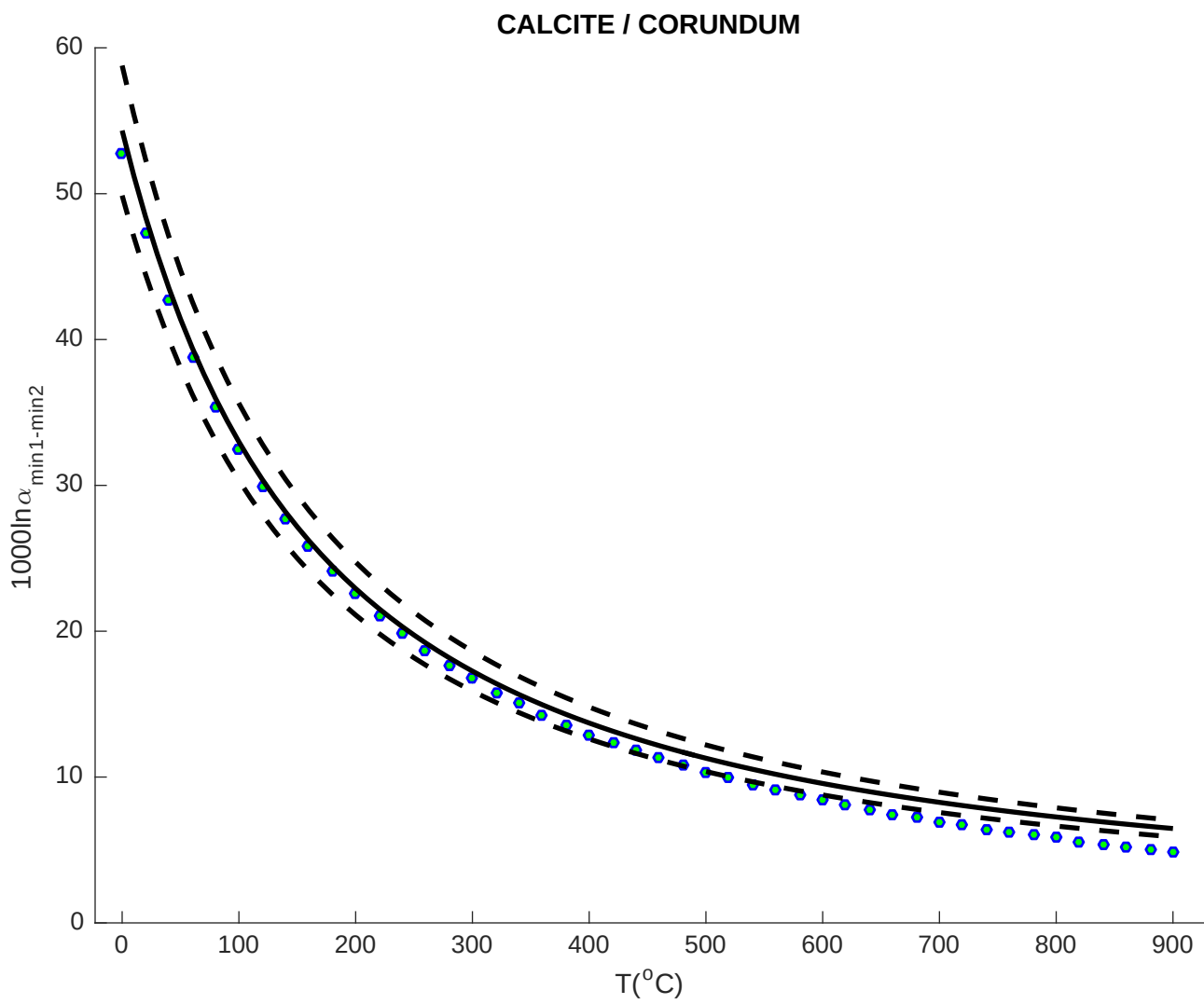
CALCITE / CHROMITE



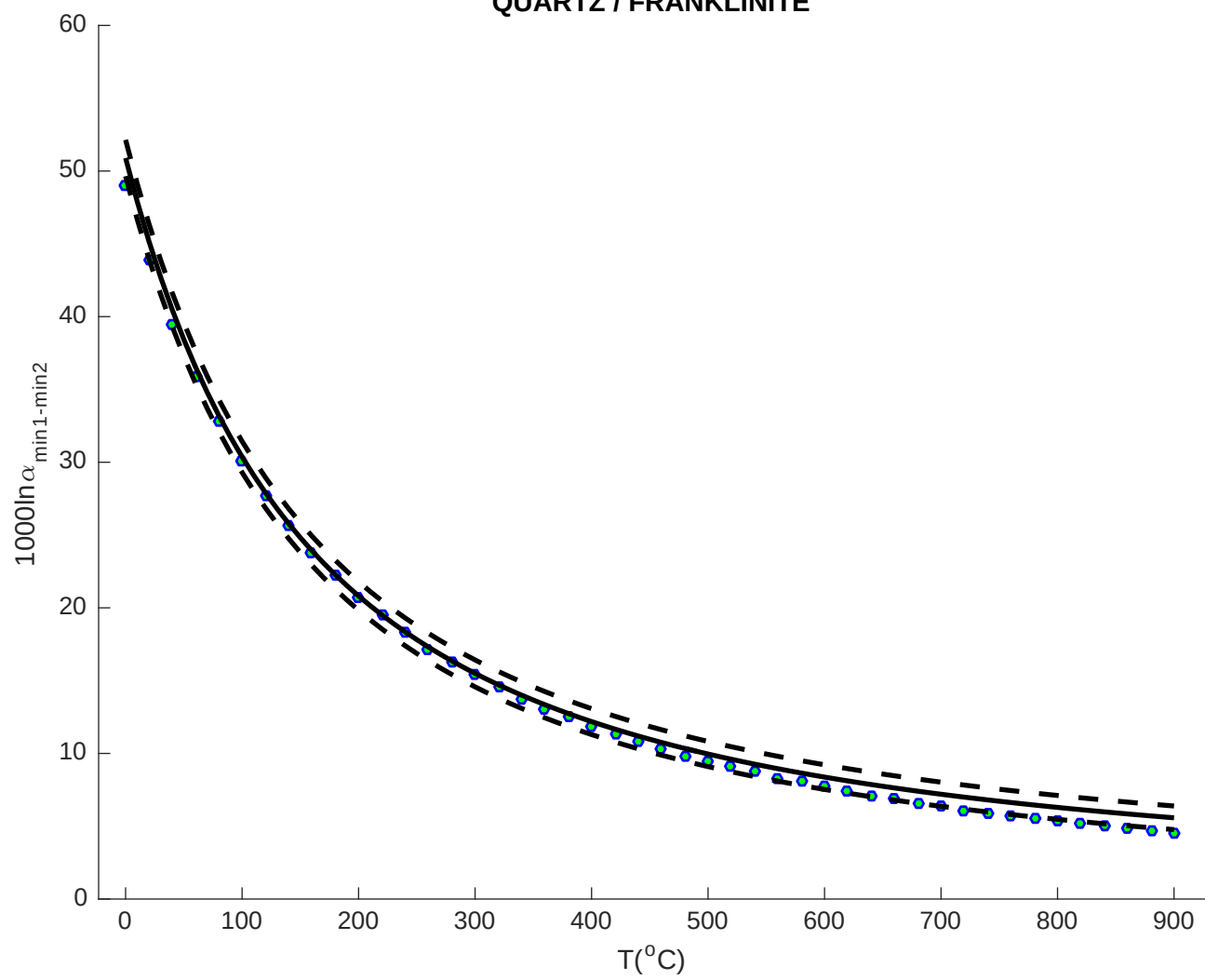
QUARTZ / CORUNDUM

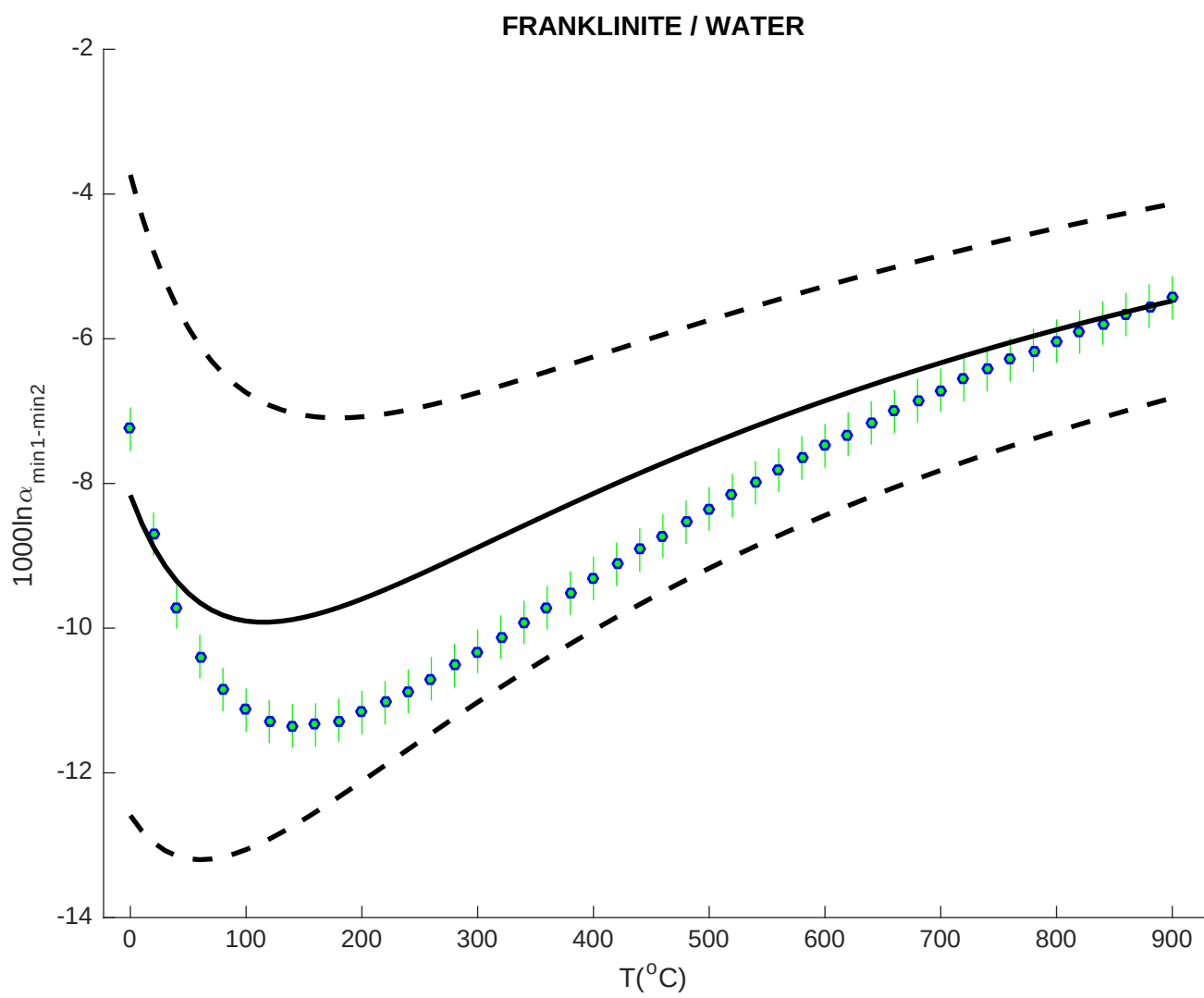




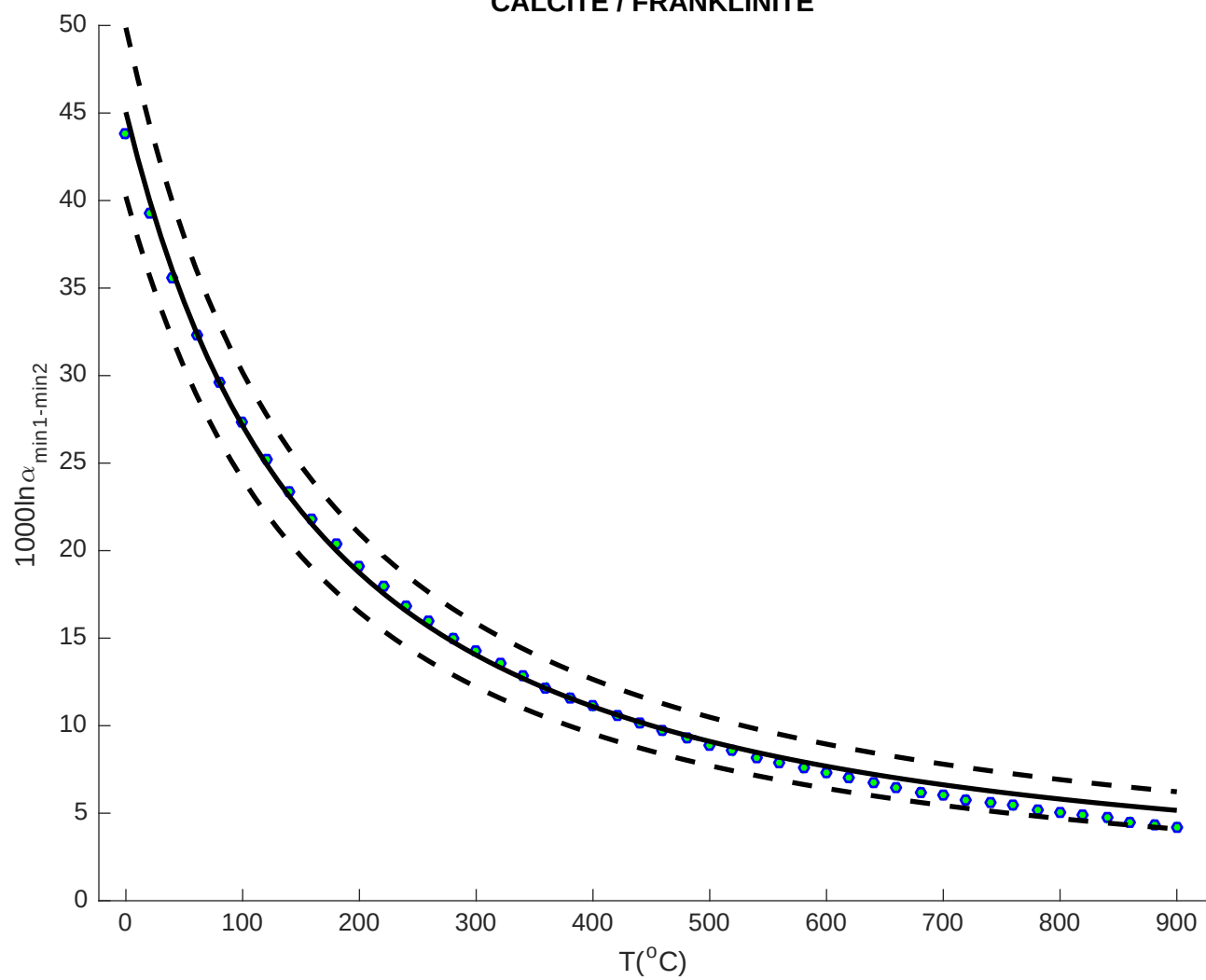


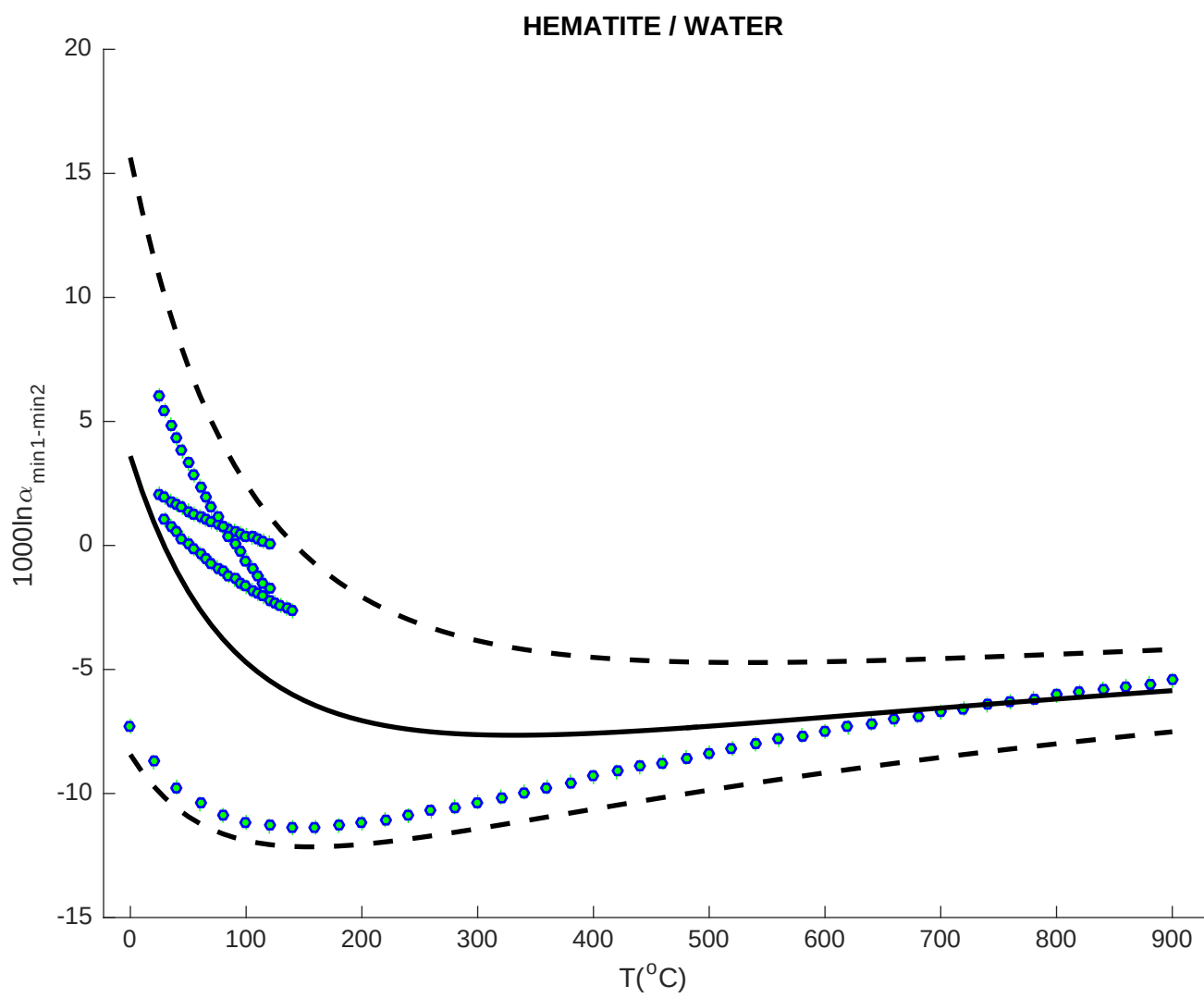
QUARTZ / FRANKLINITE

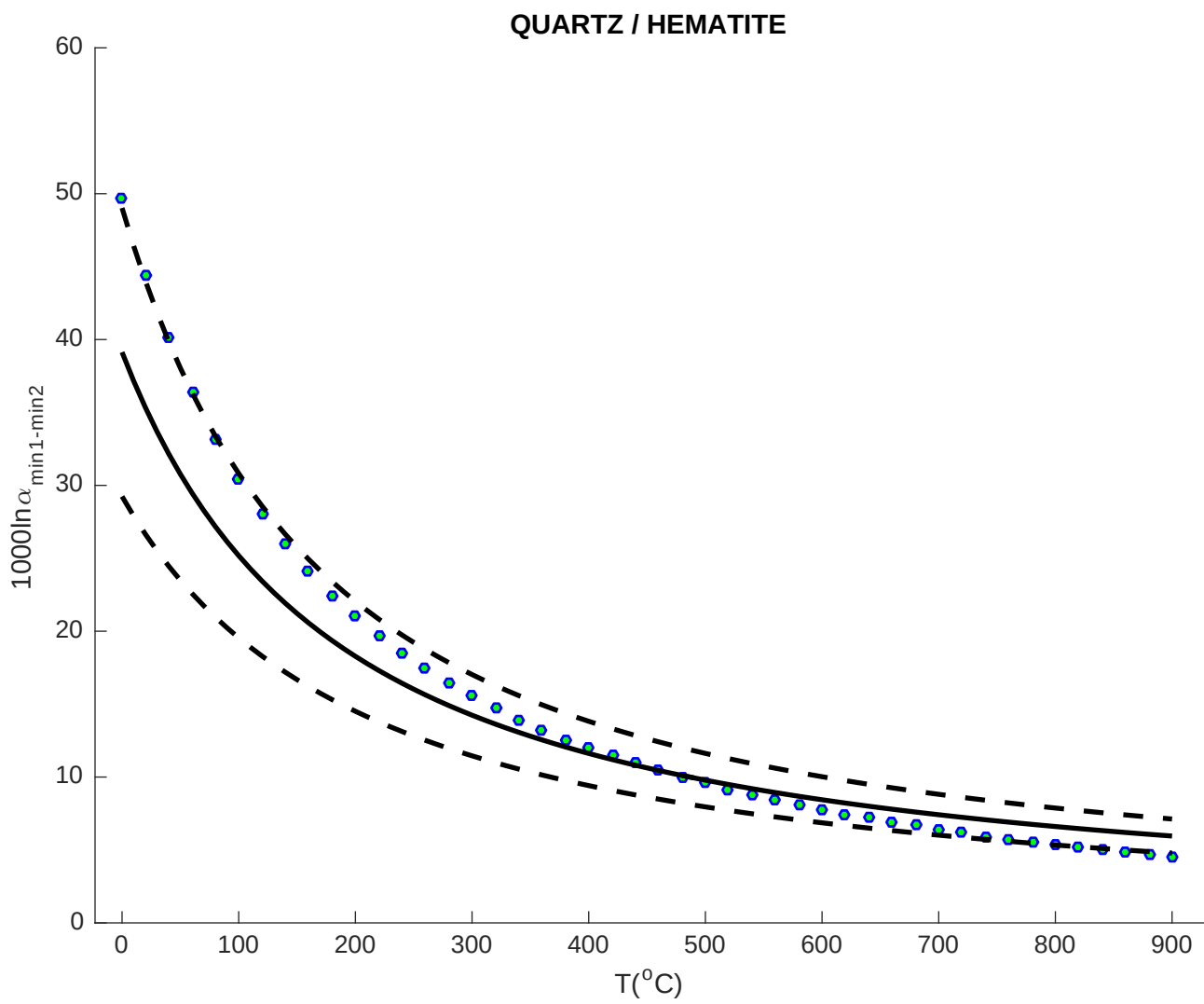


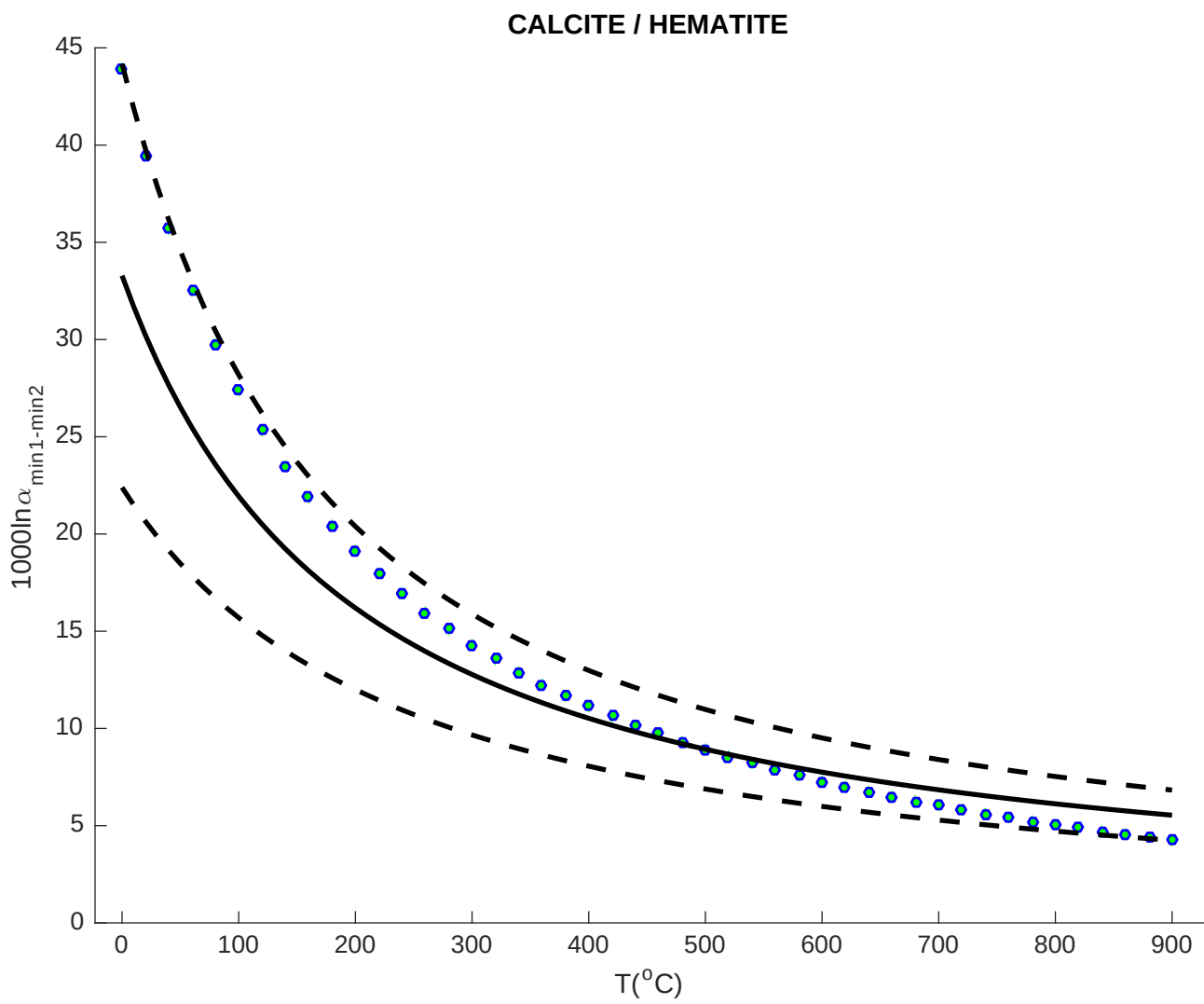


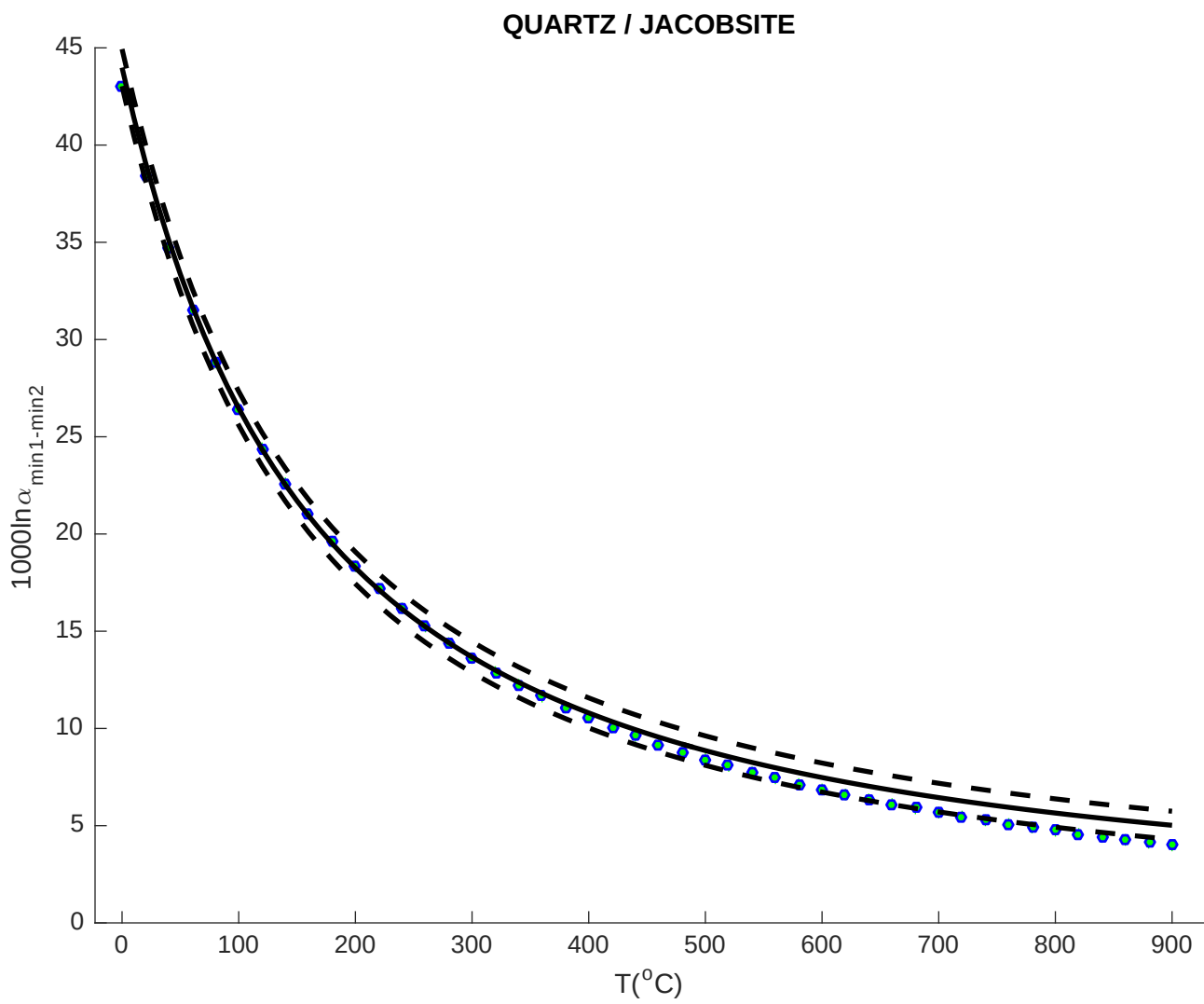
CALCITE / FRANKLINITE

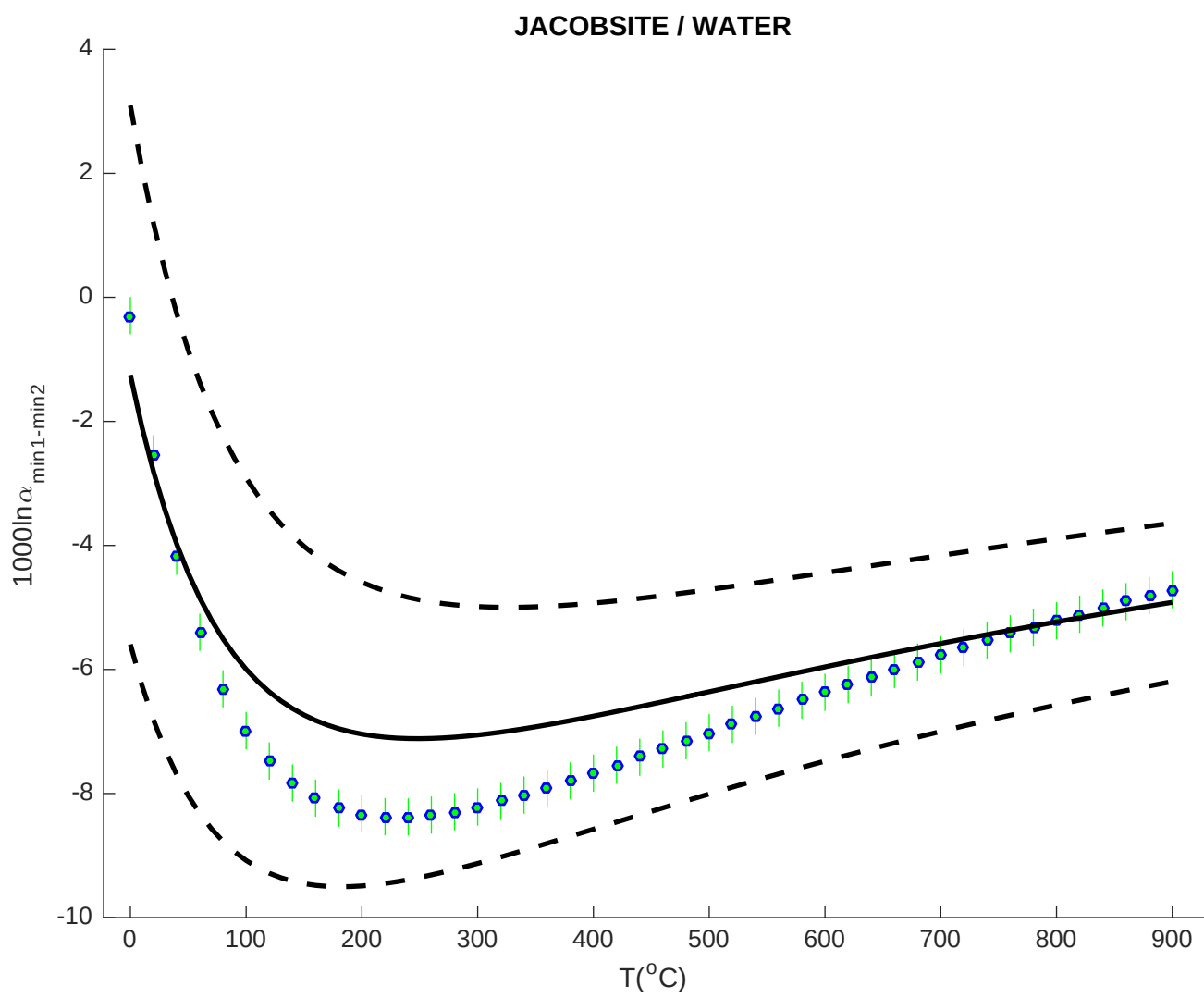


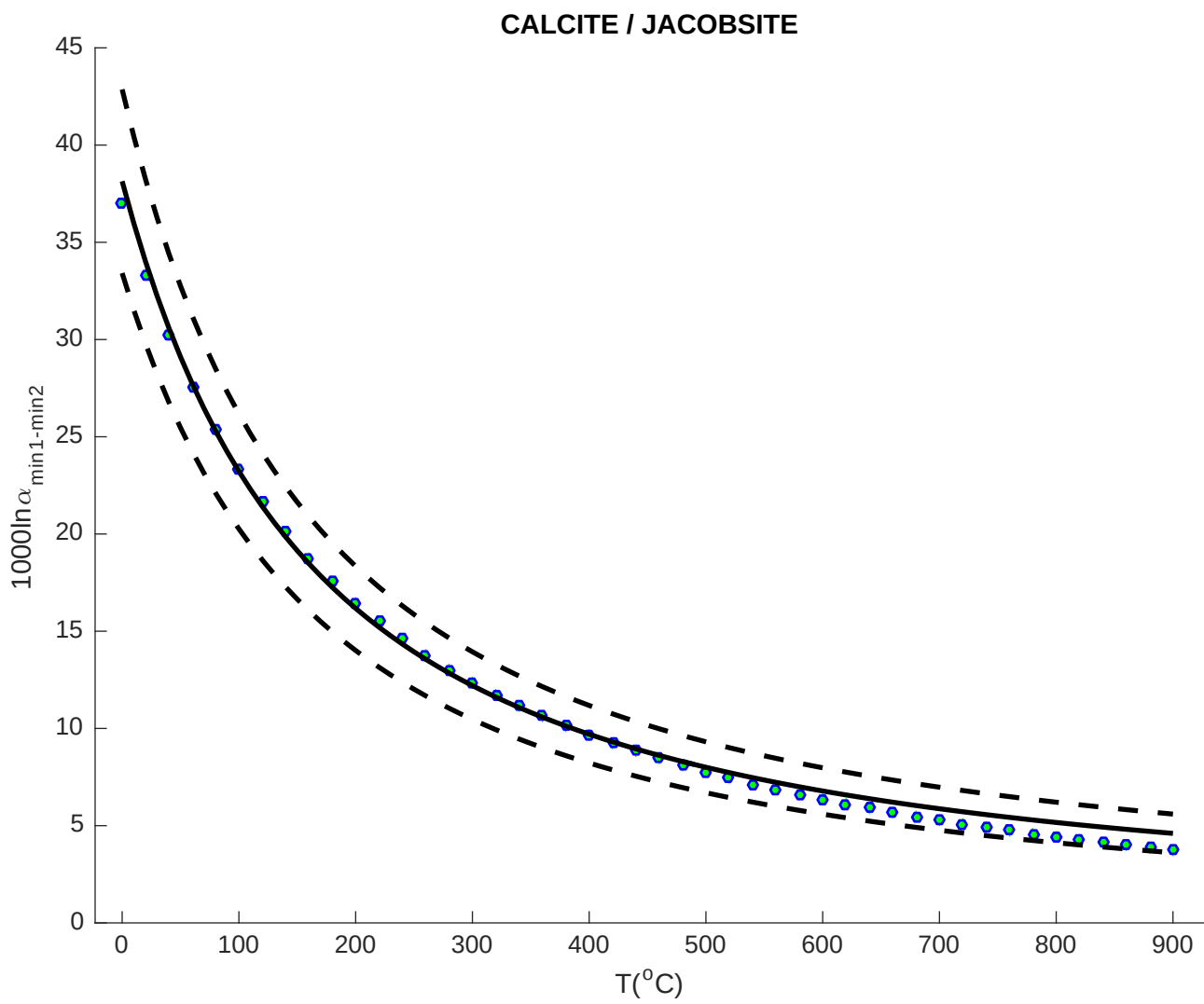


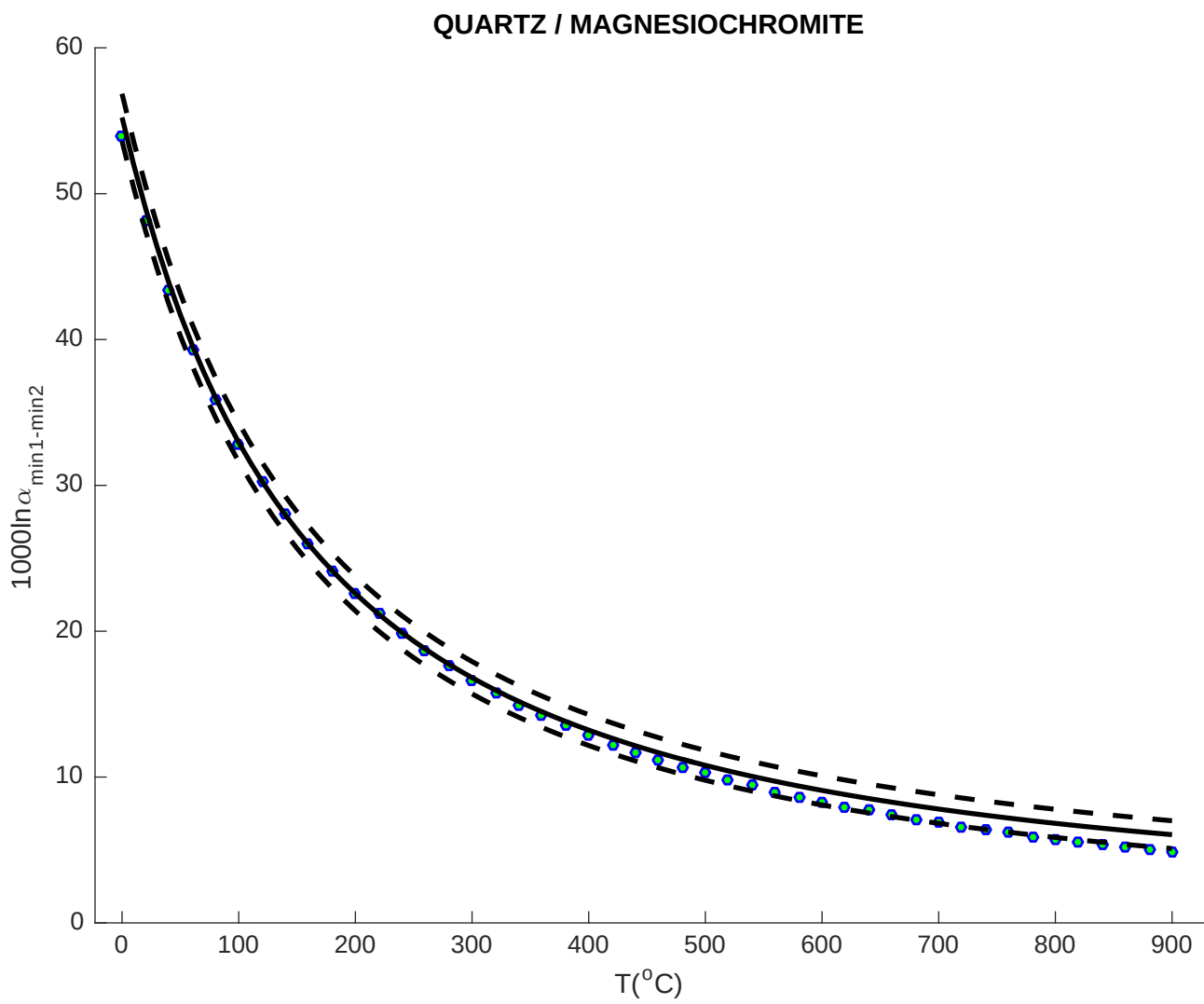


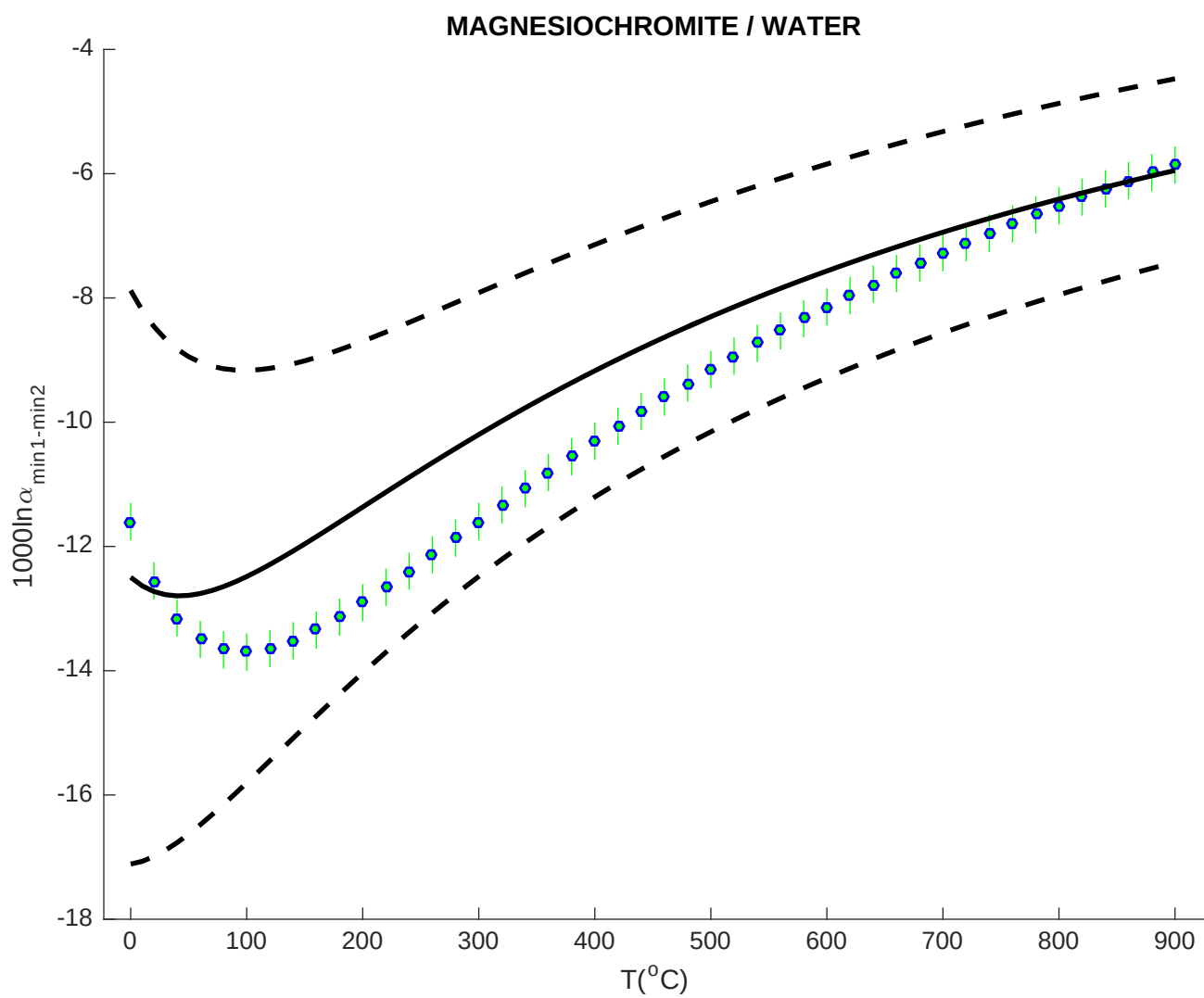




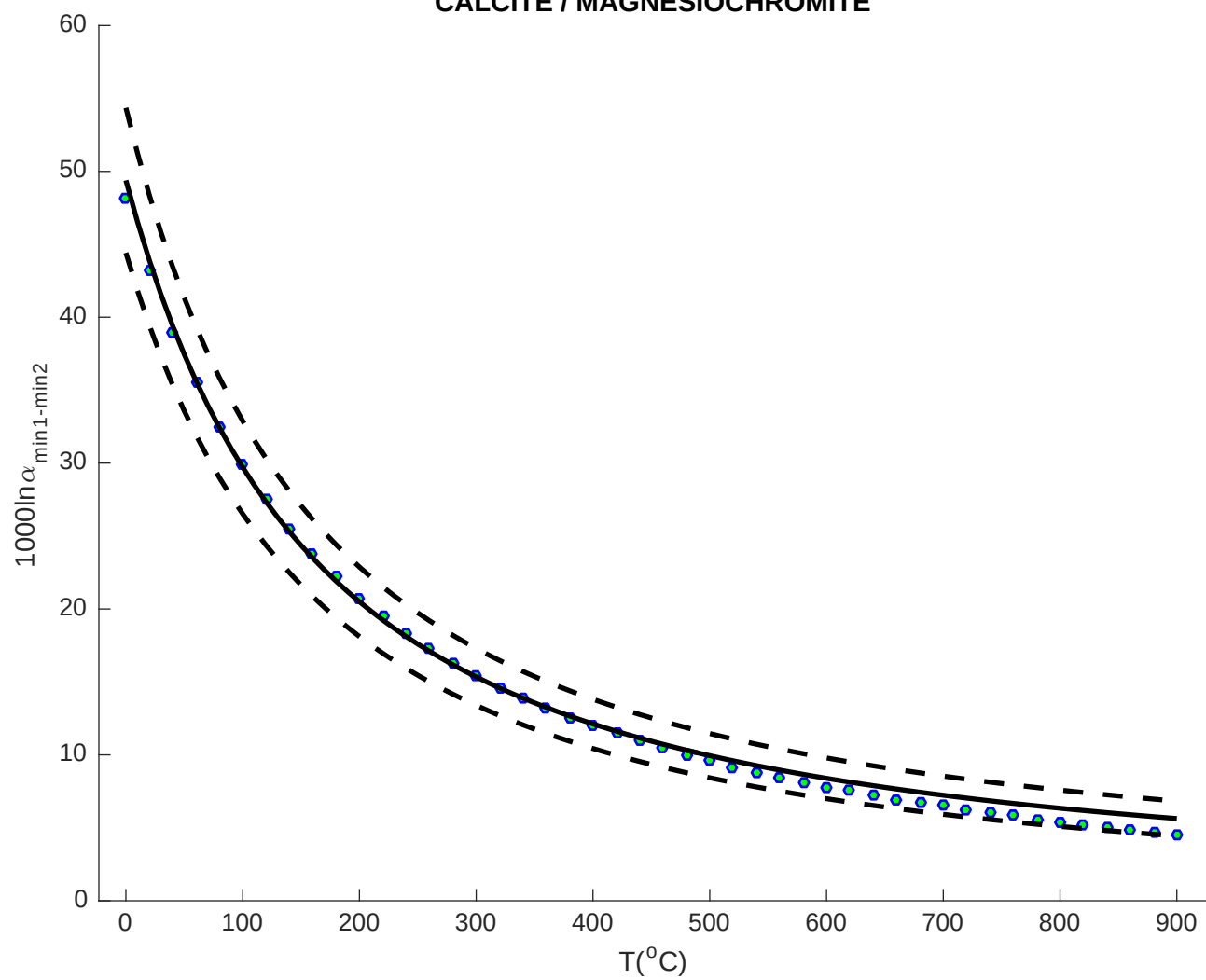




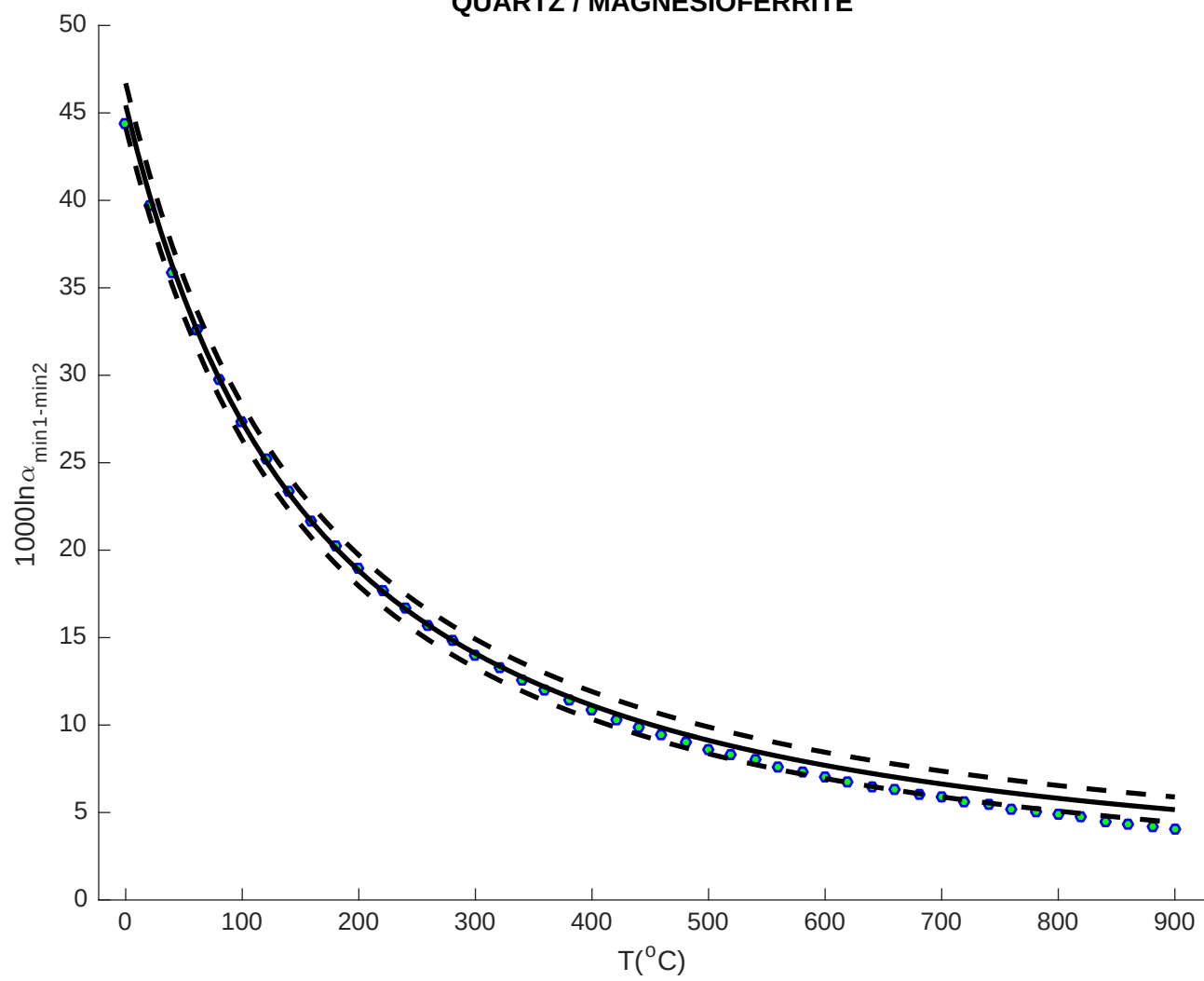


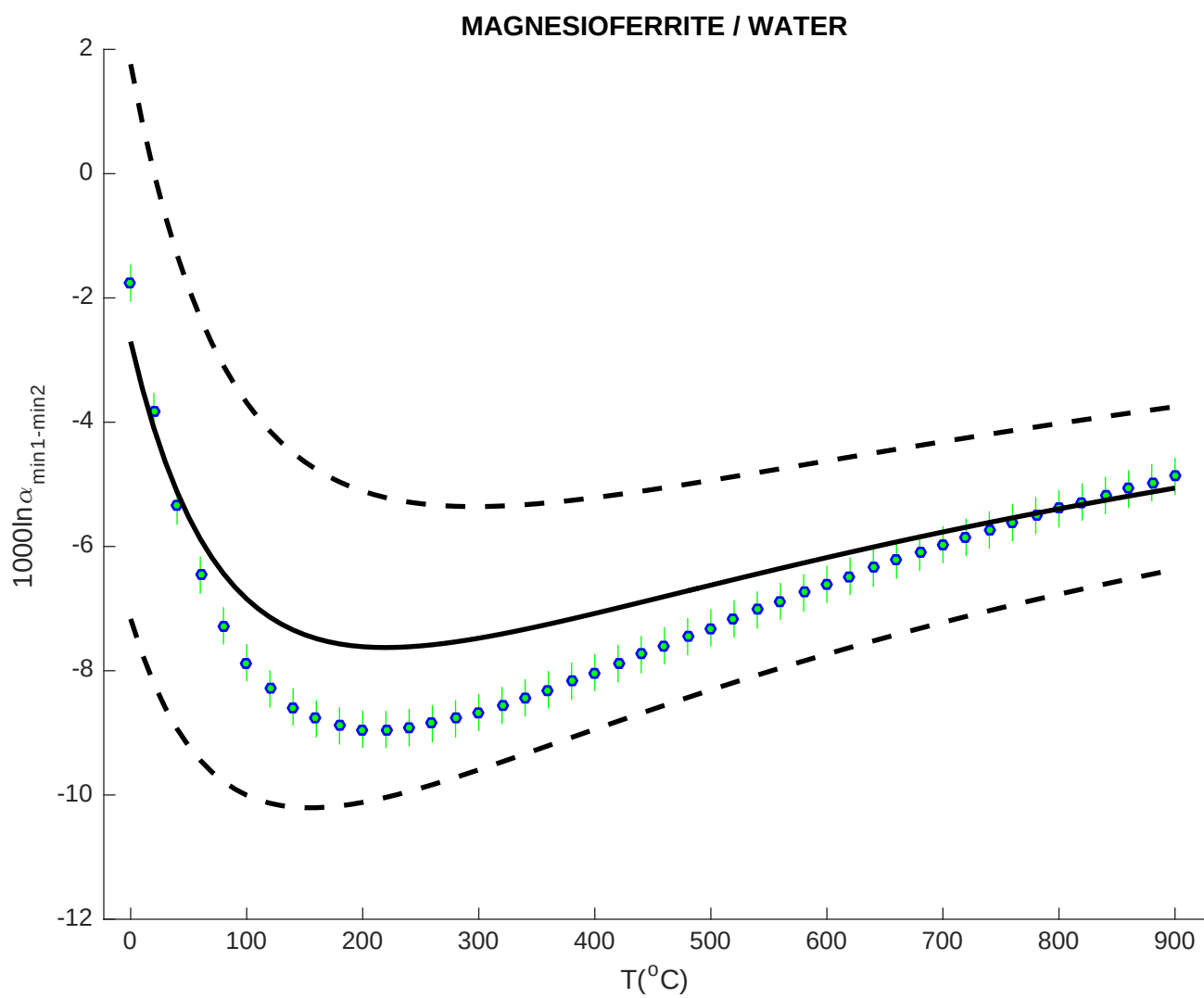


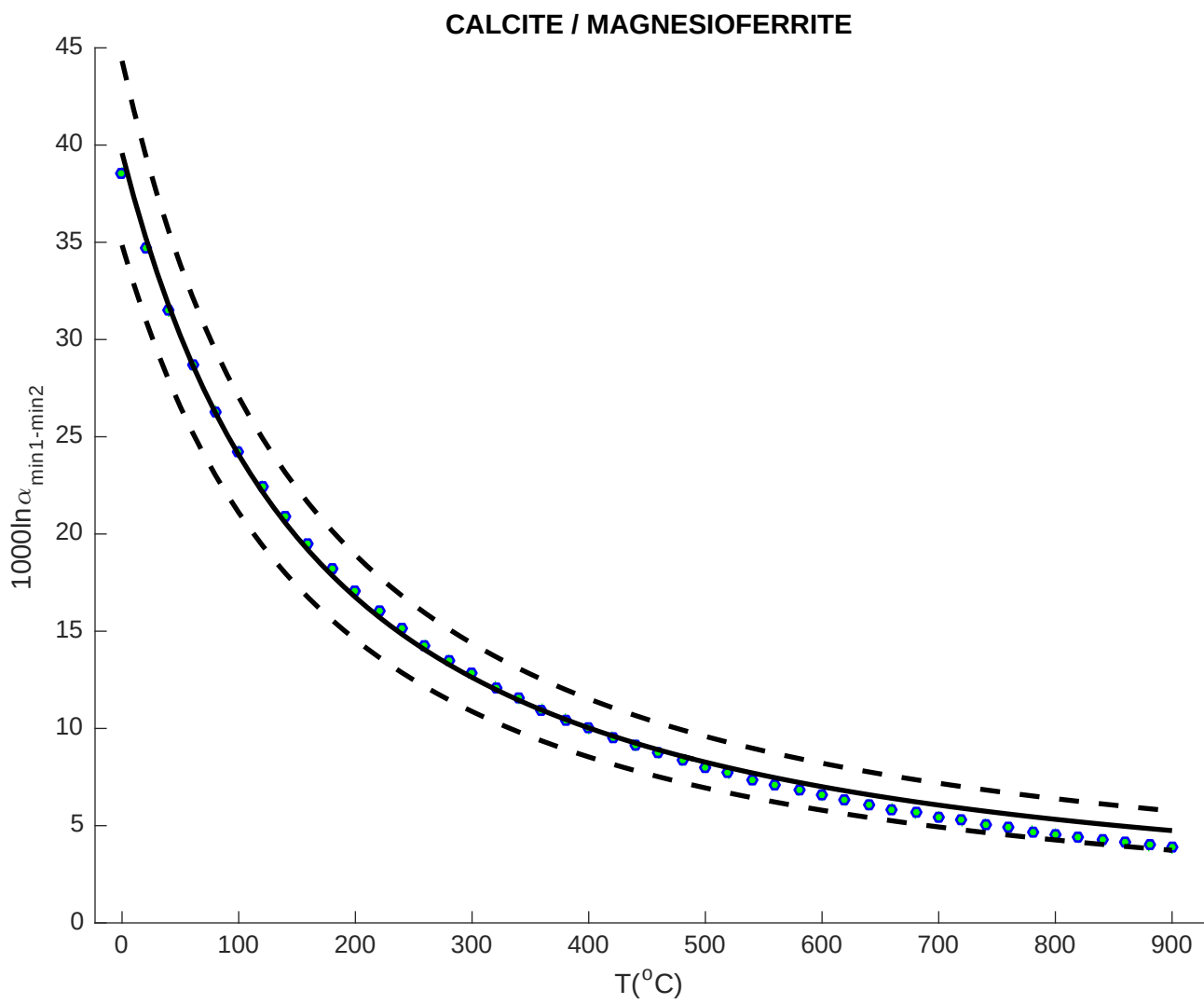
CALCITE / MAGNESIOCHROMITE

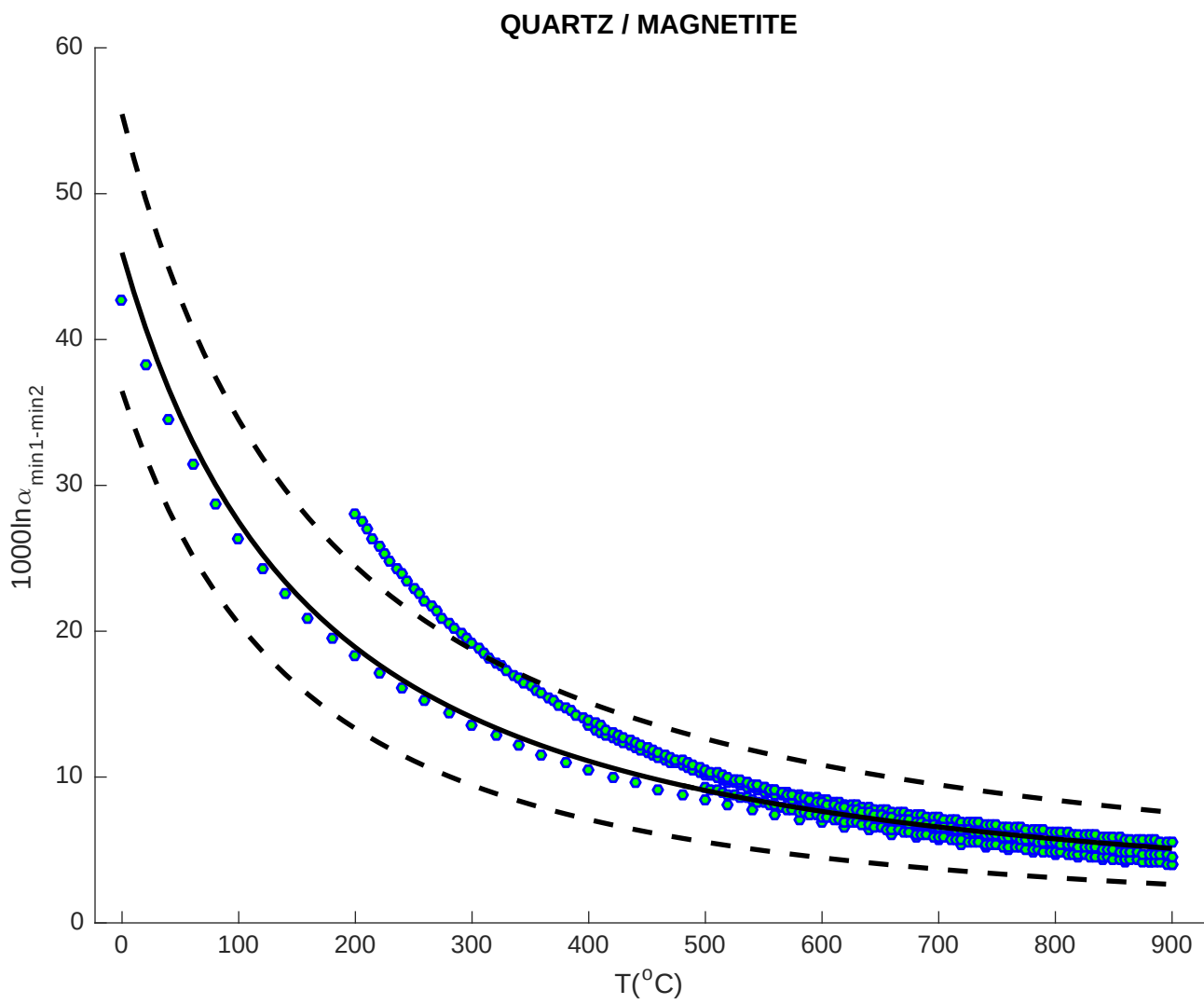


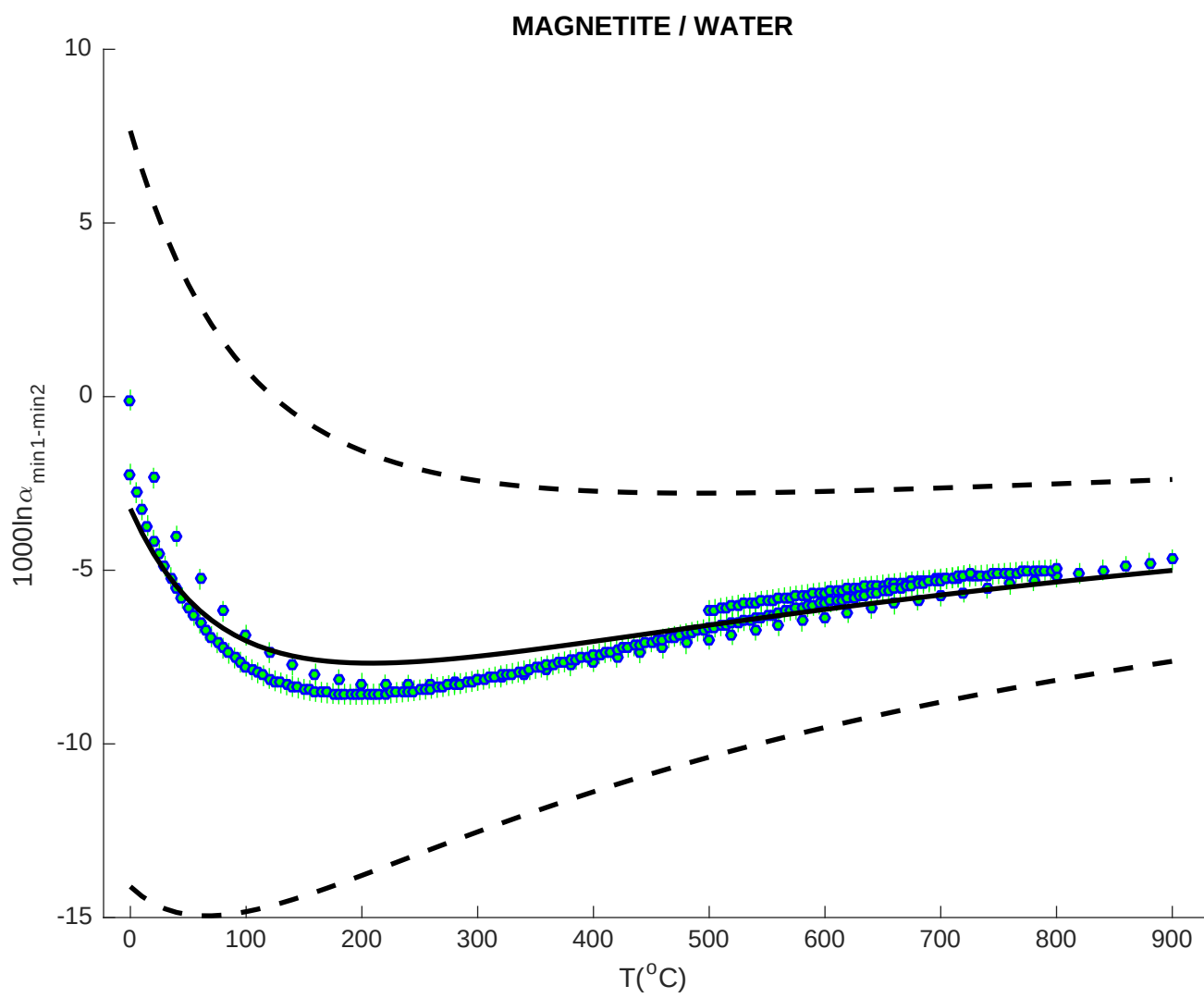
QUARTZ / MAGNESIOFERRITE



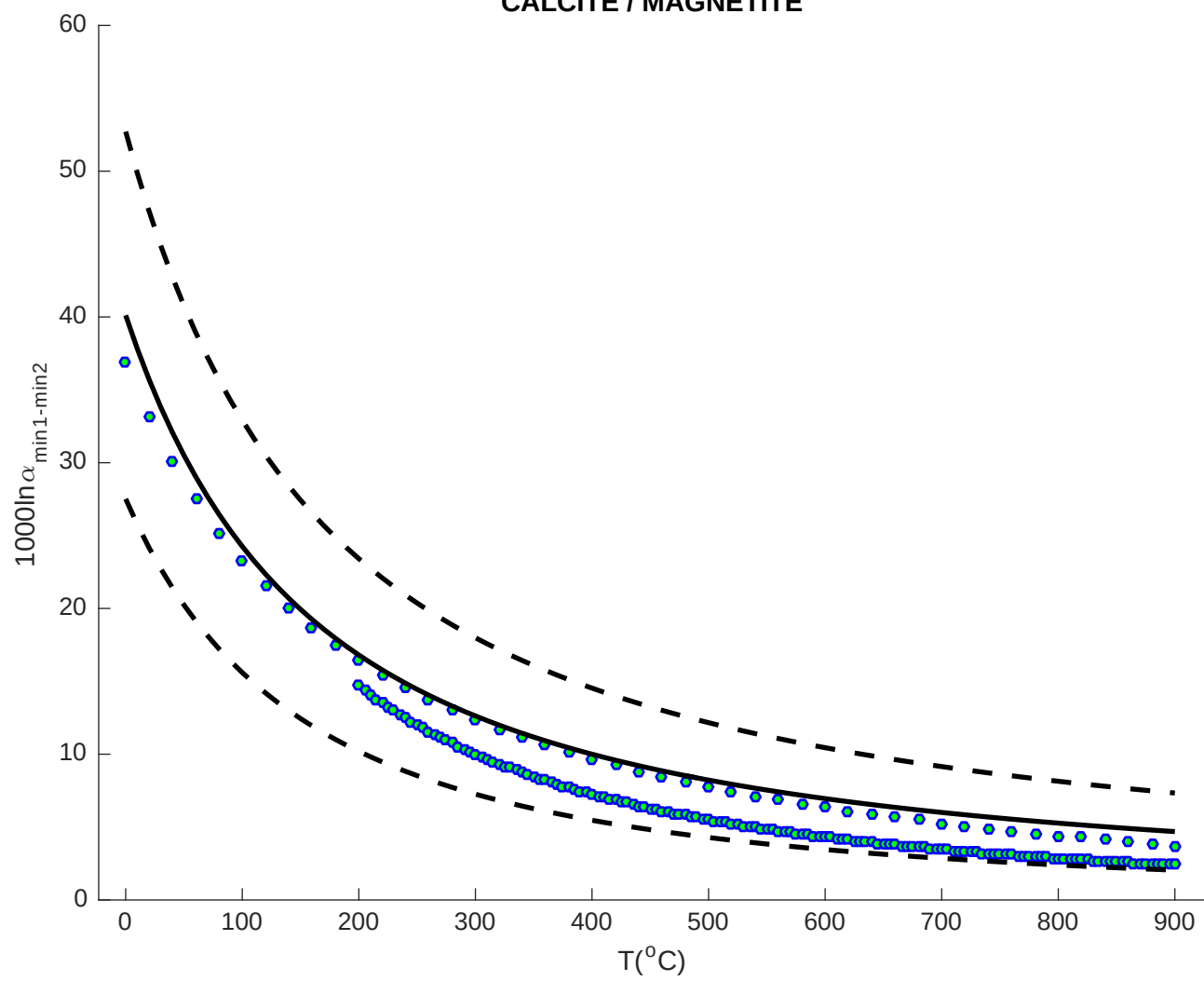




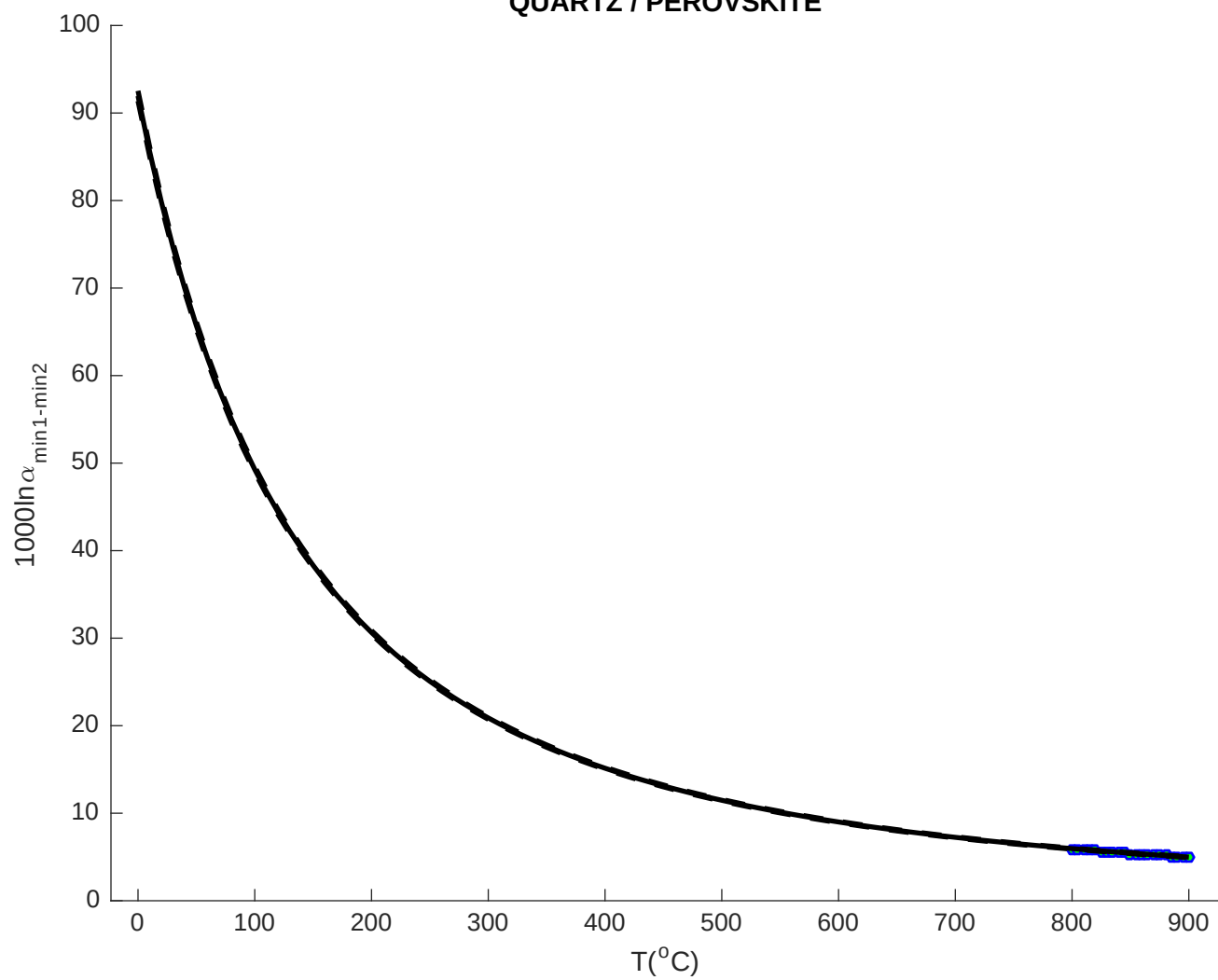




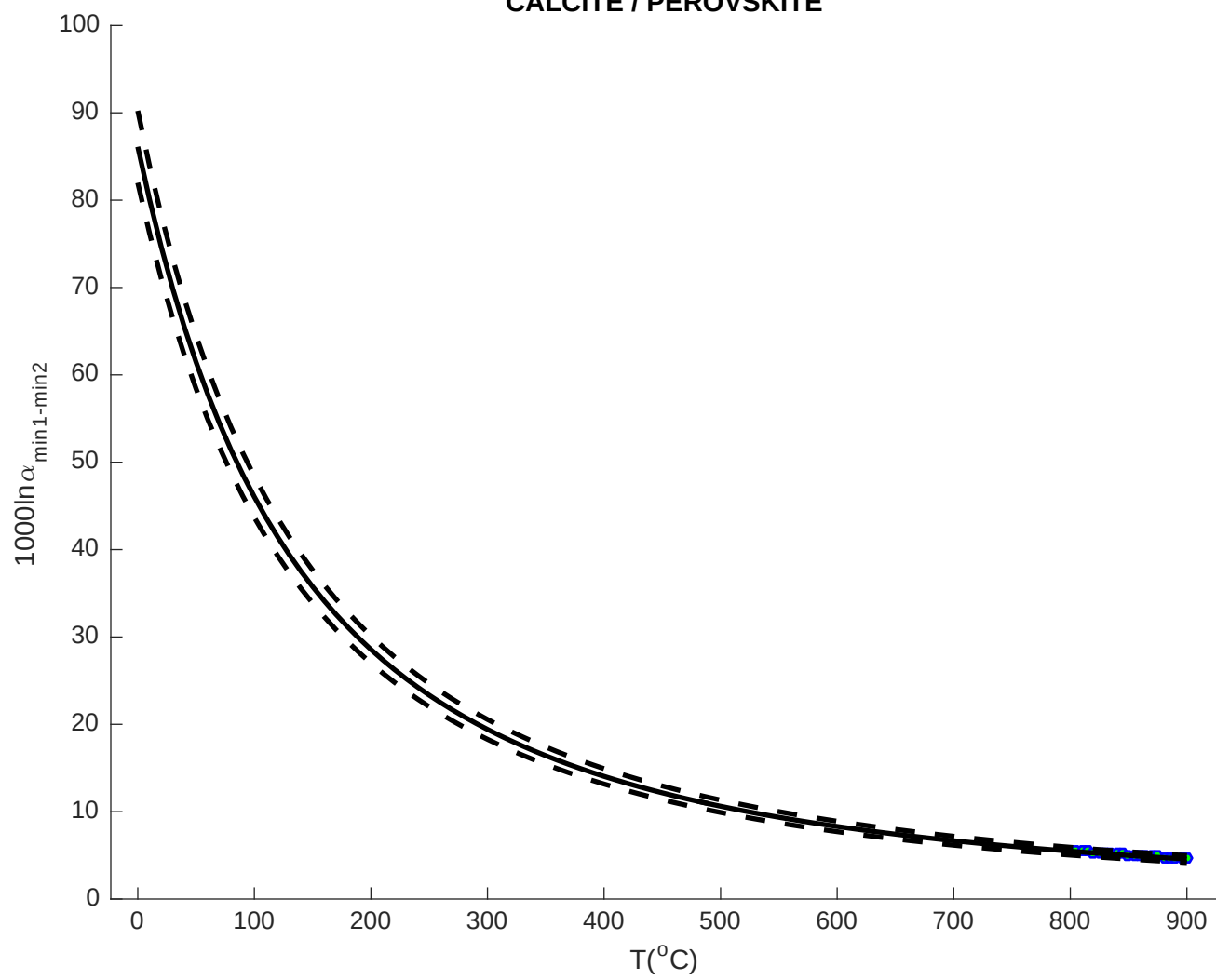
CALCITE / MAGNETITE



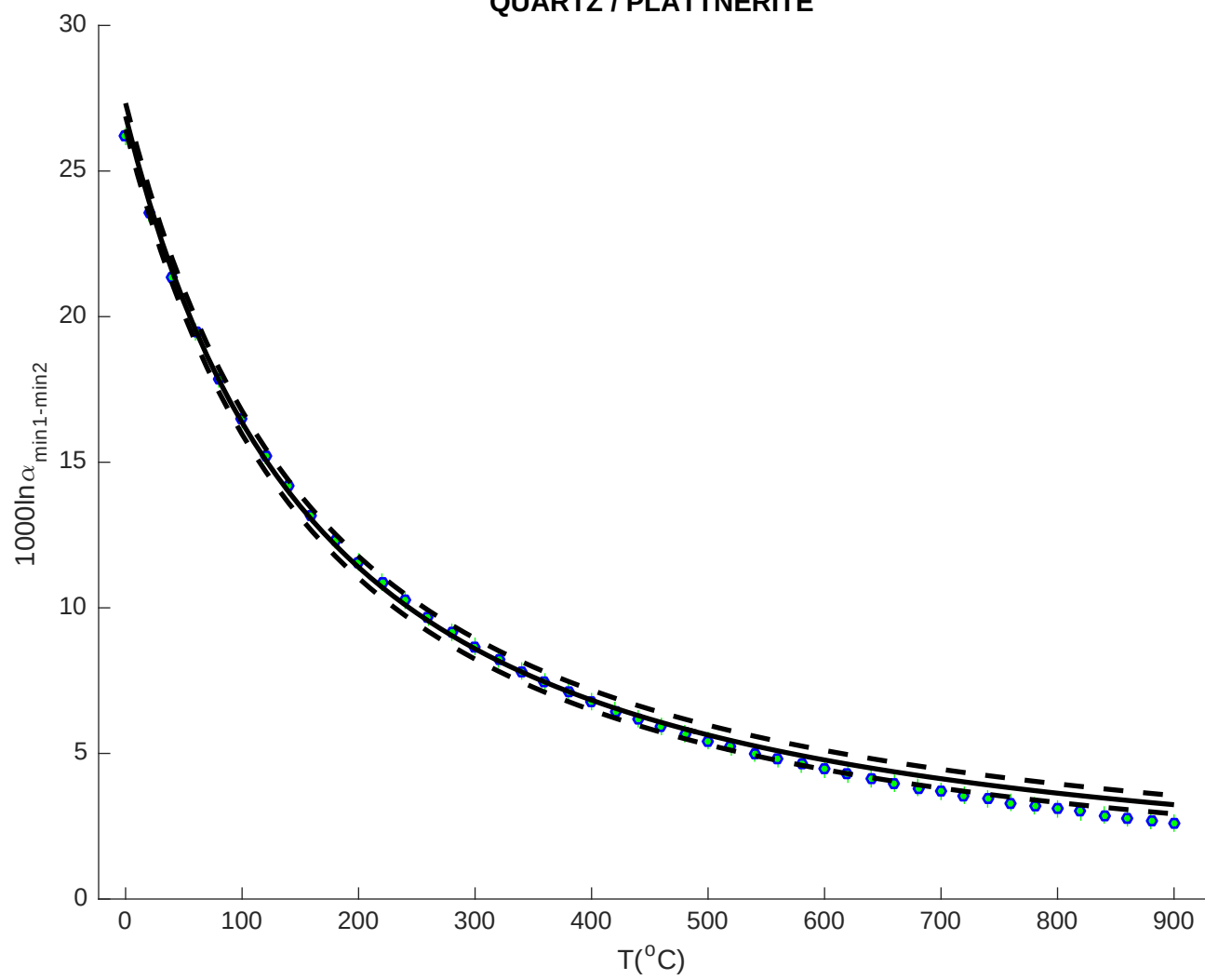
QUARTZ / PEROVSKITE

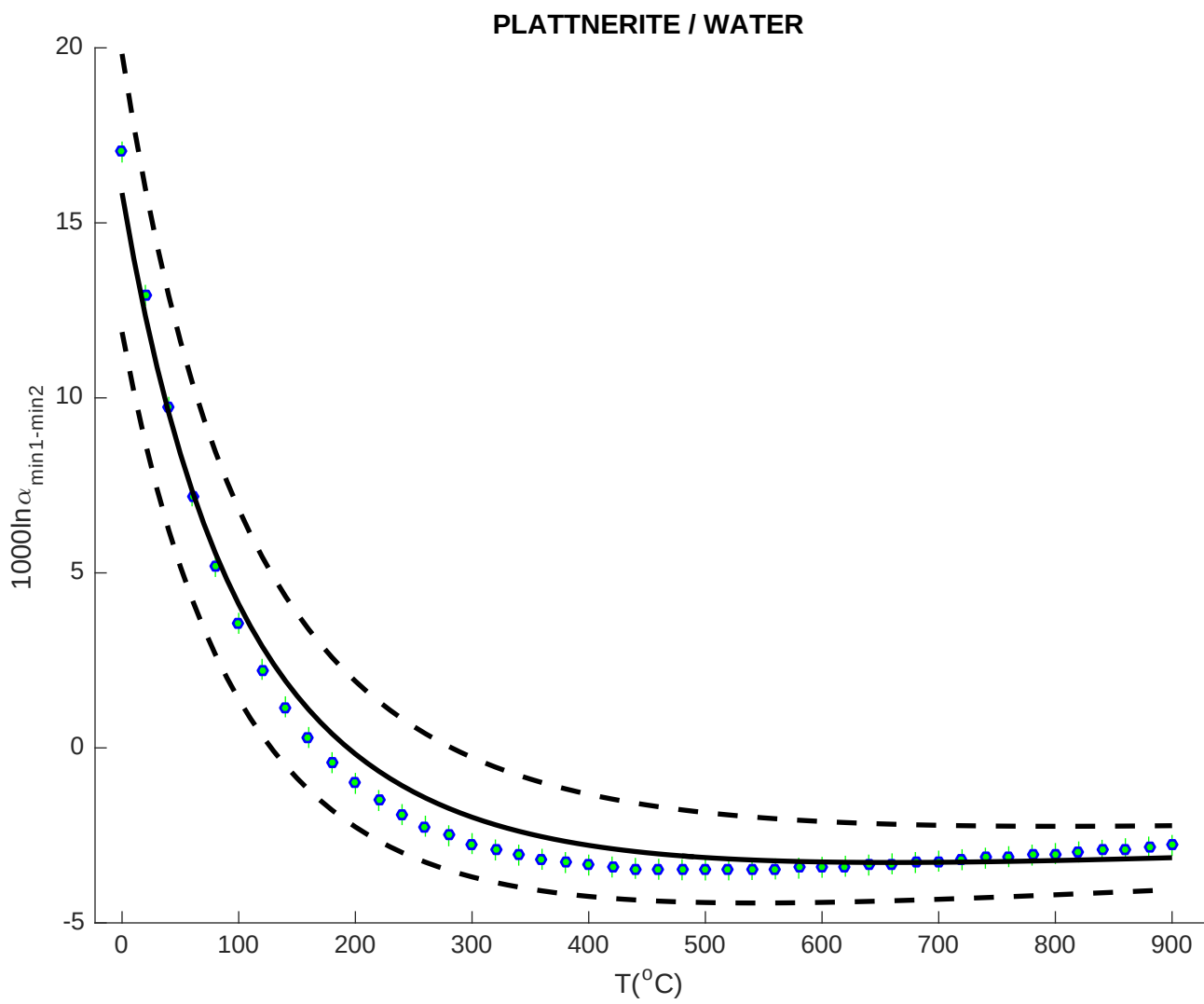


CALCITE / PEROVSKITE

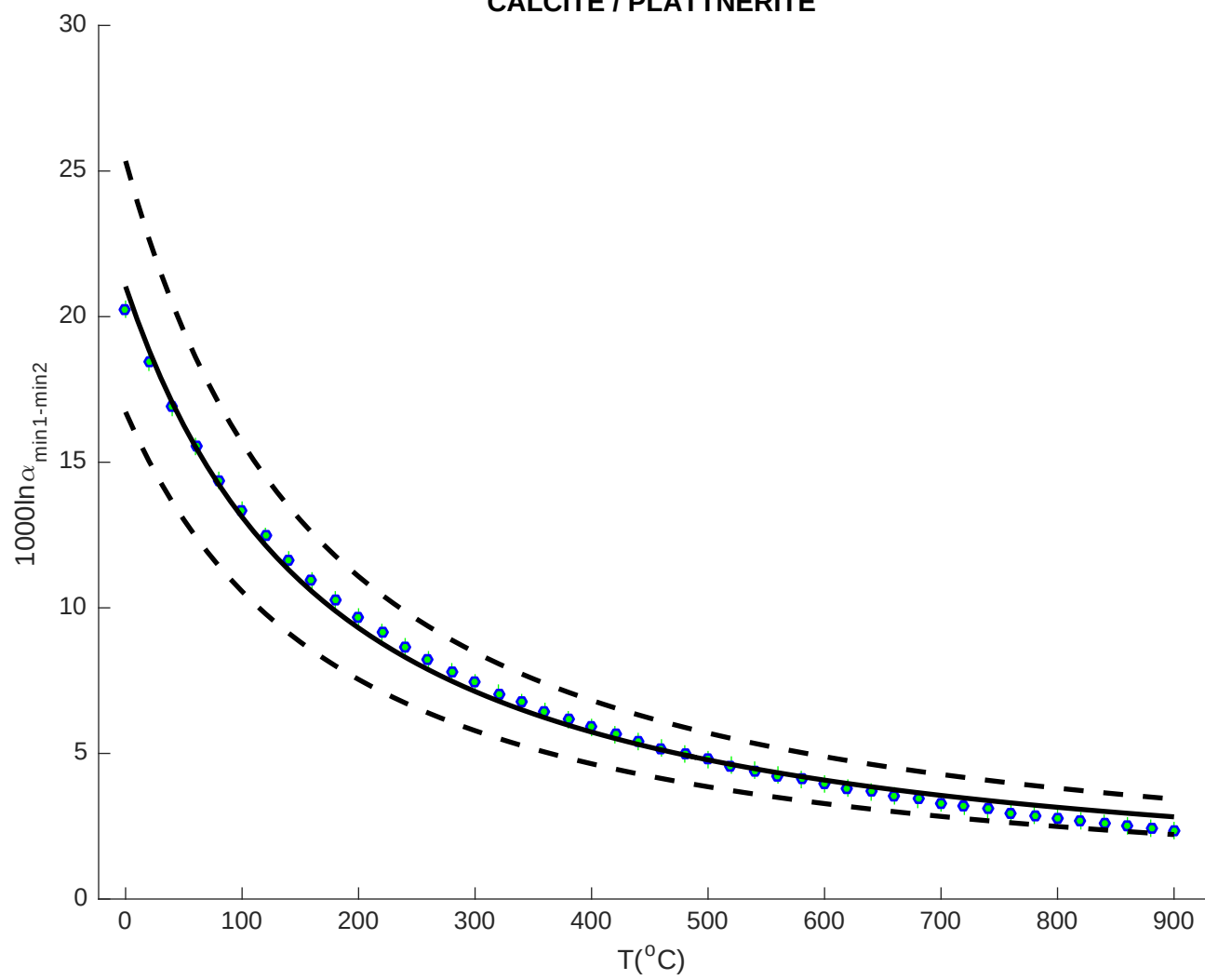


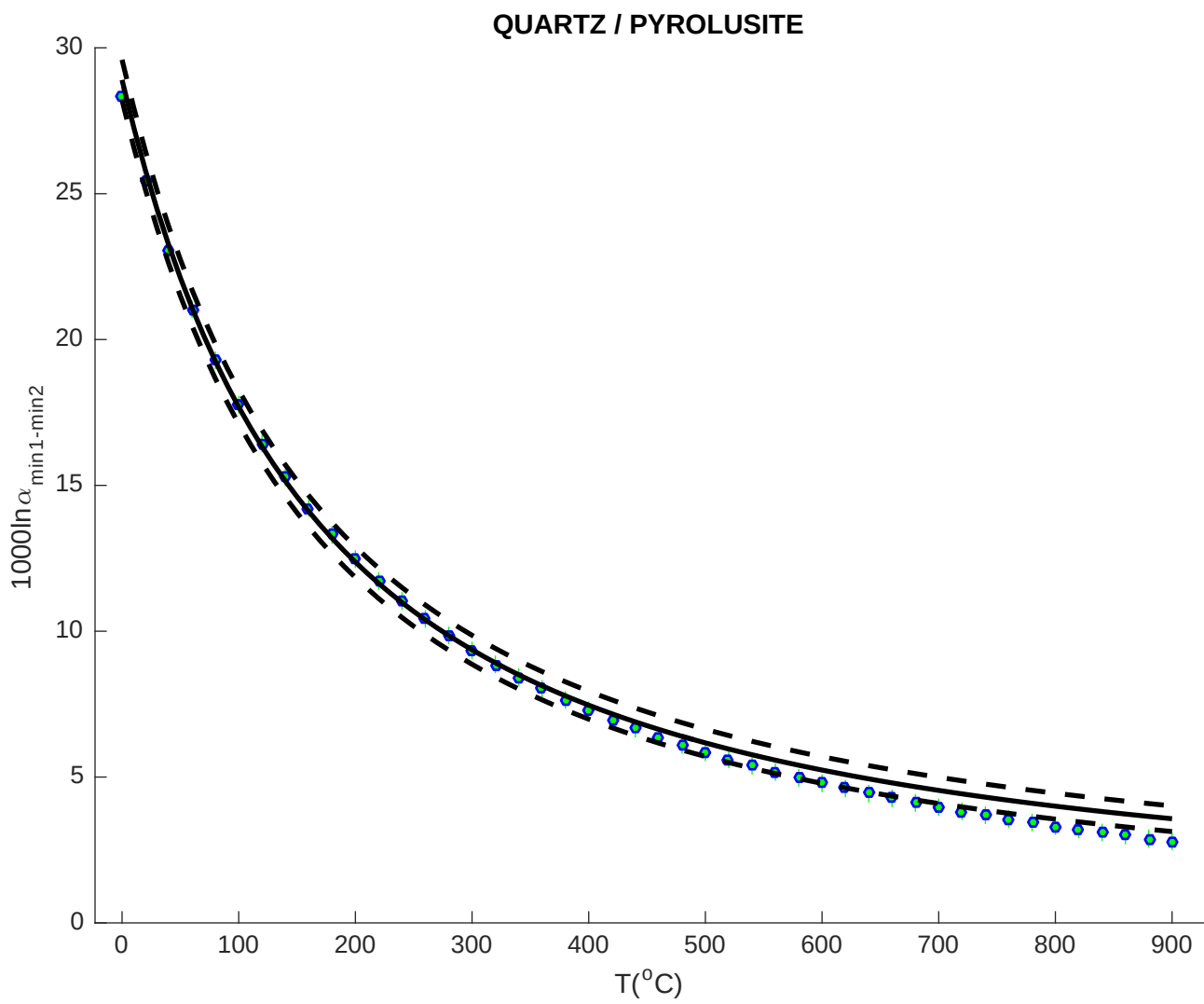
QUARTZ / PLATTNERITE

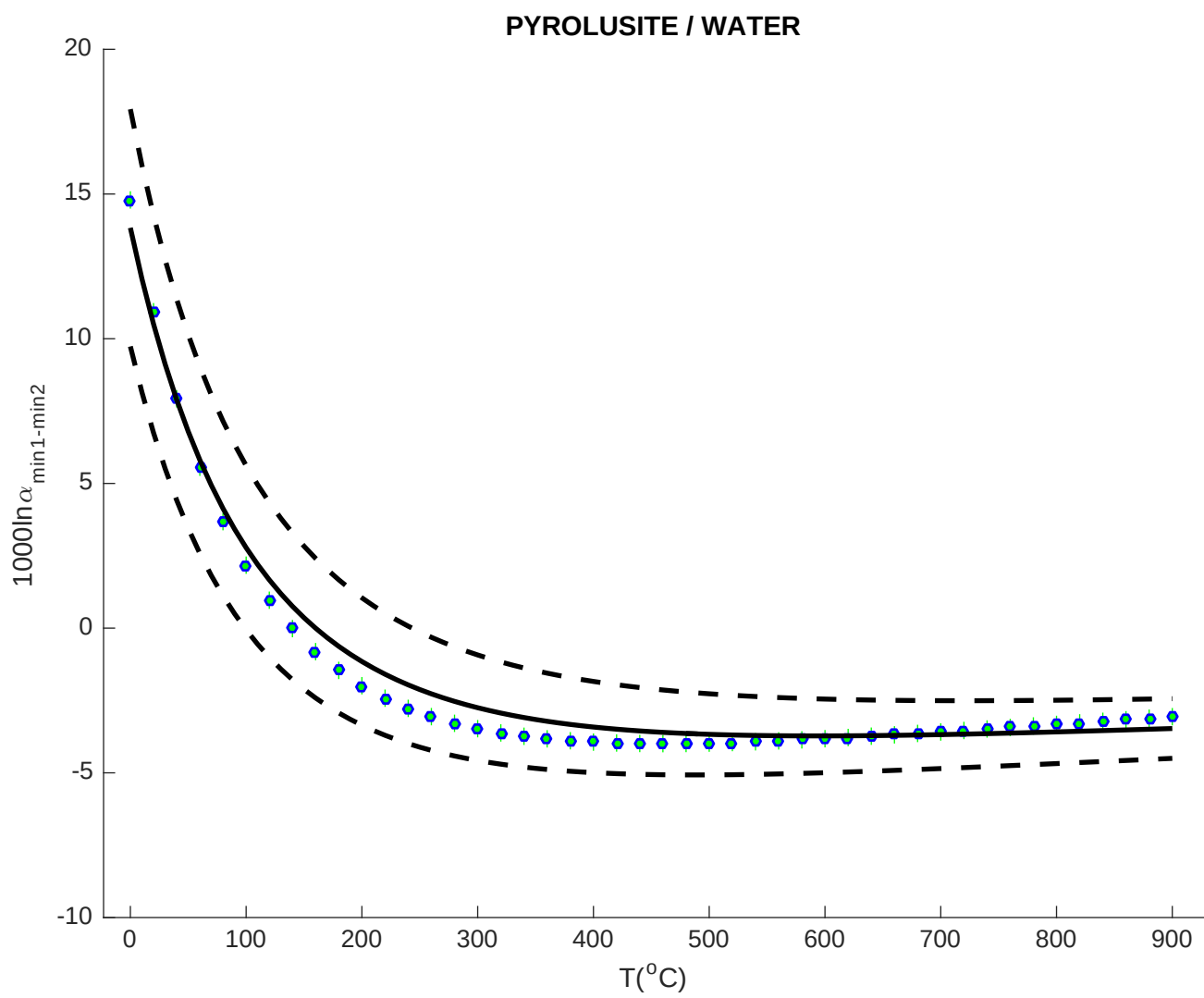




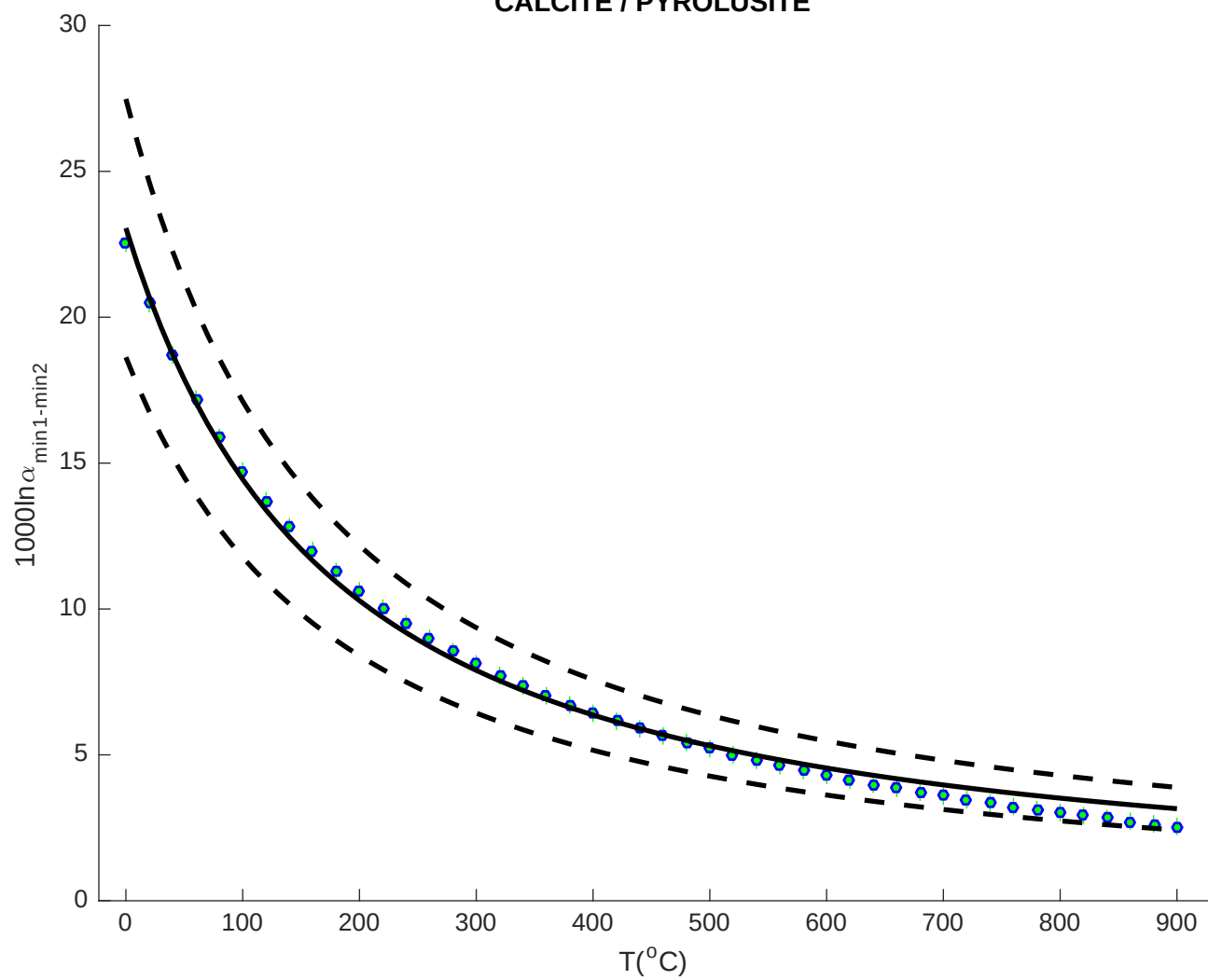
CALCITE / PLATTNERITE

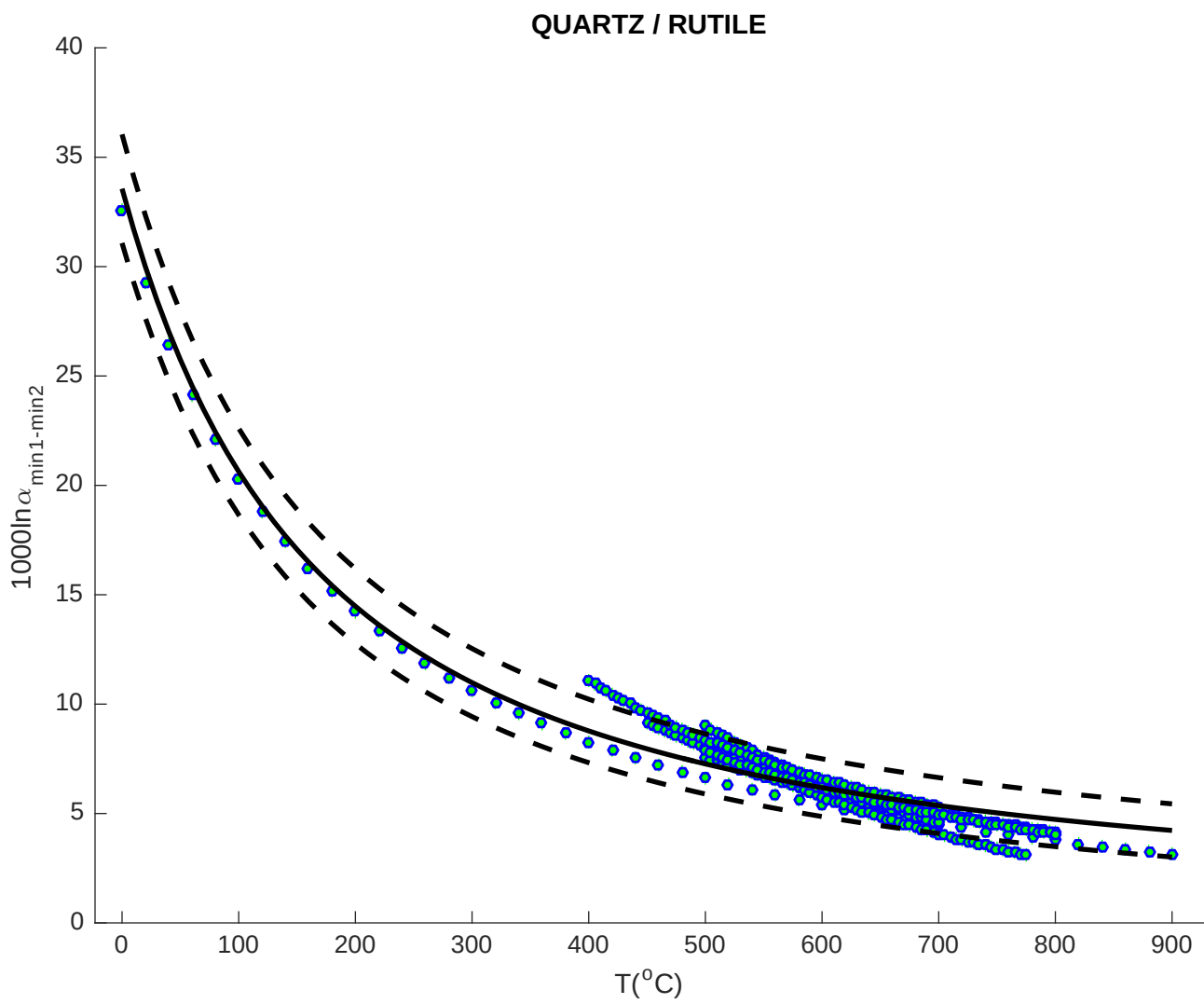


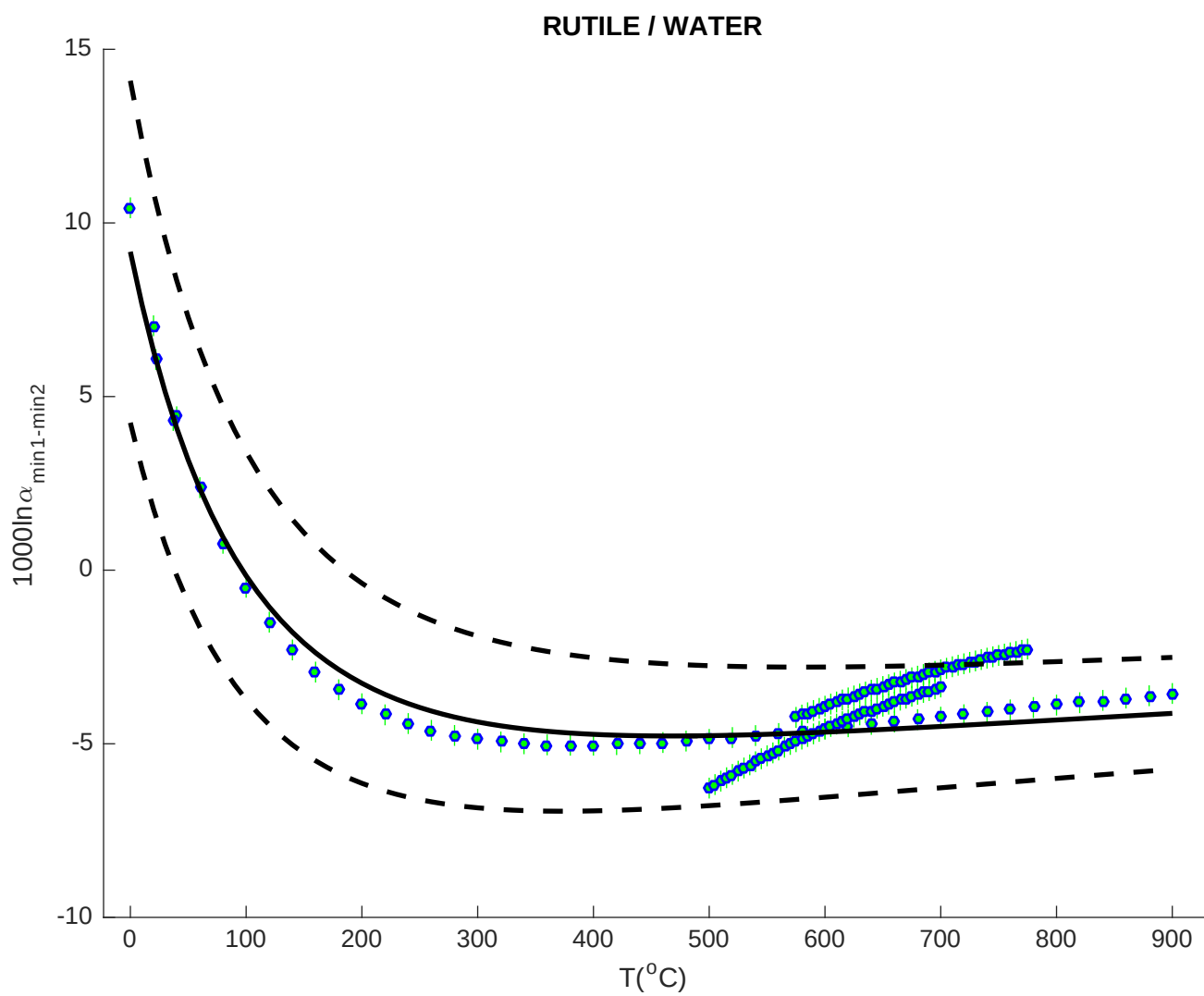


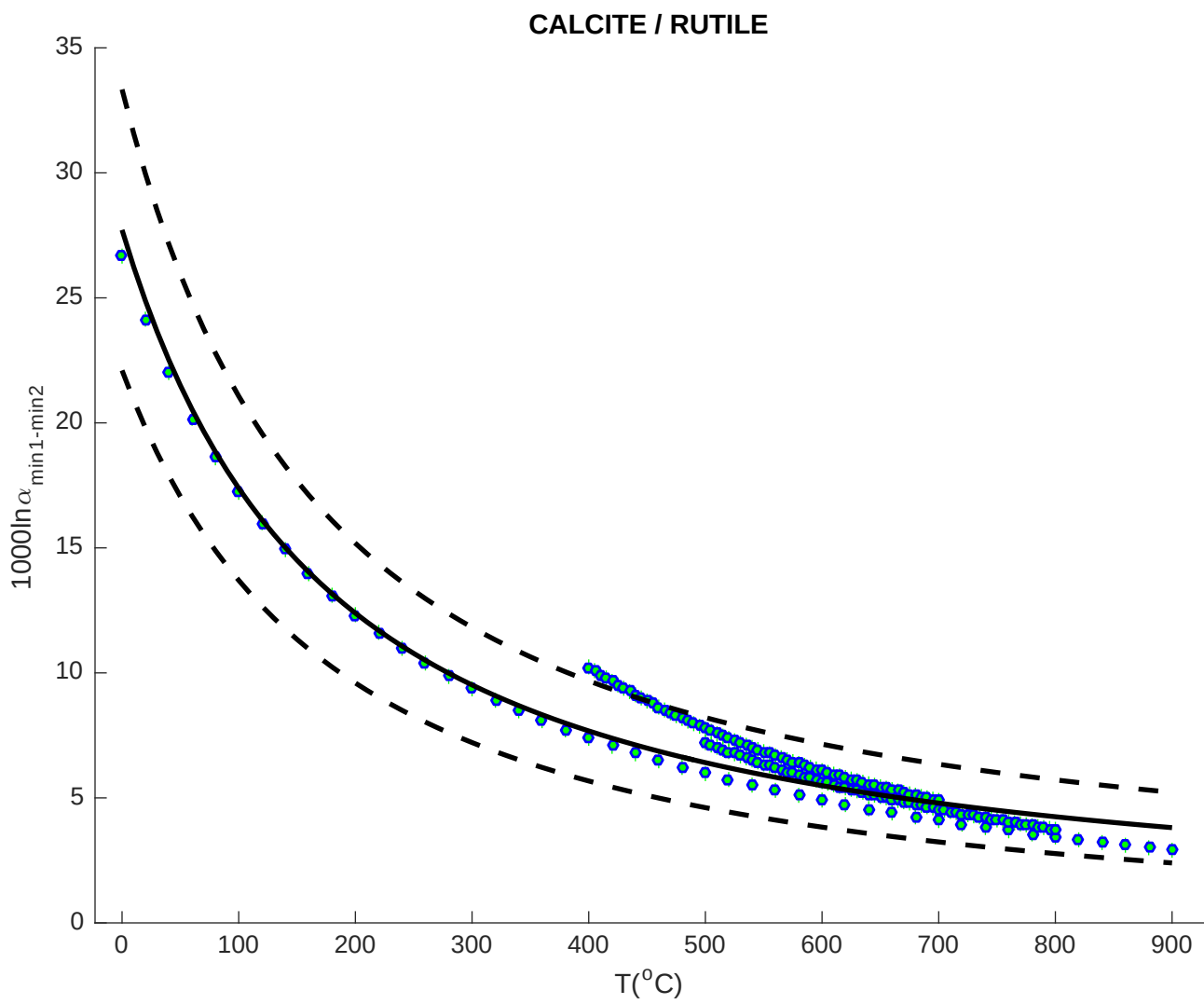


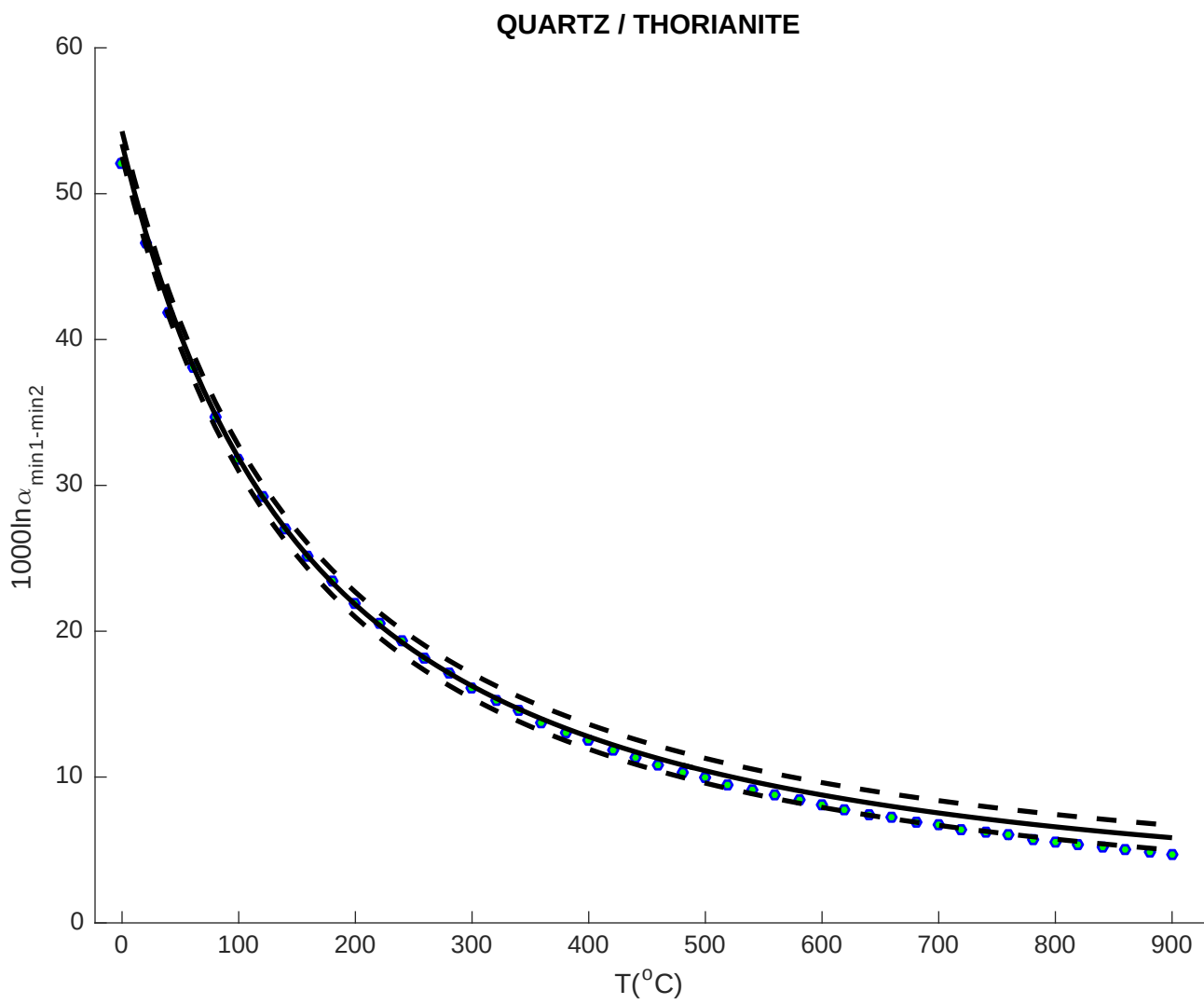
CALCITE / PYROLUSITE

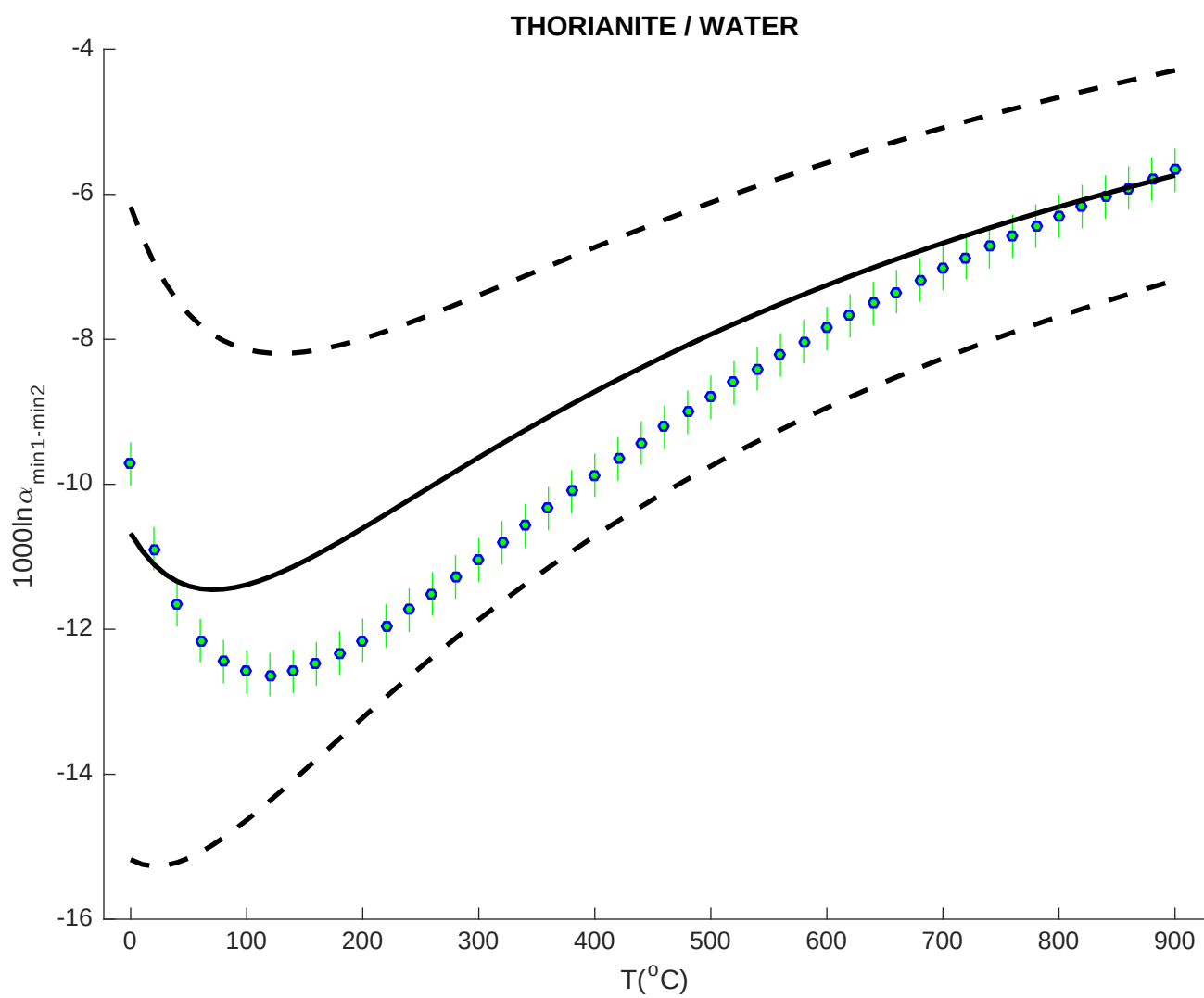


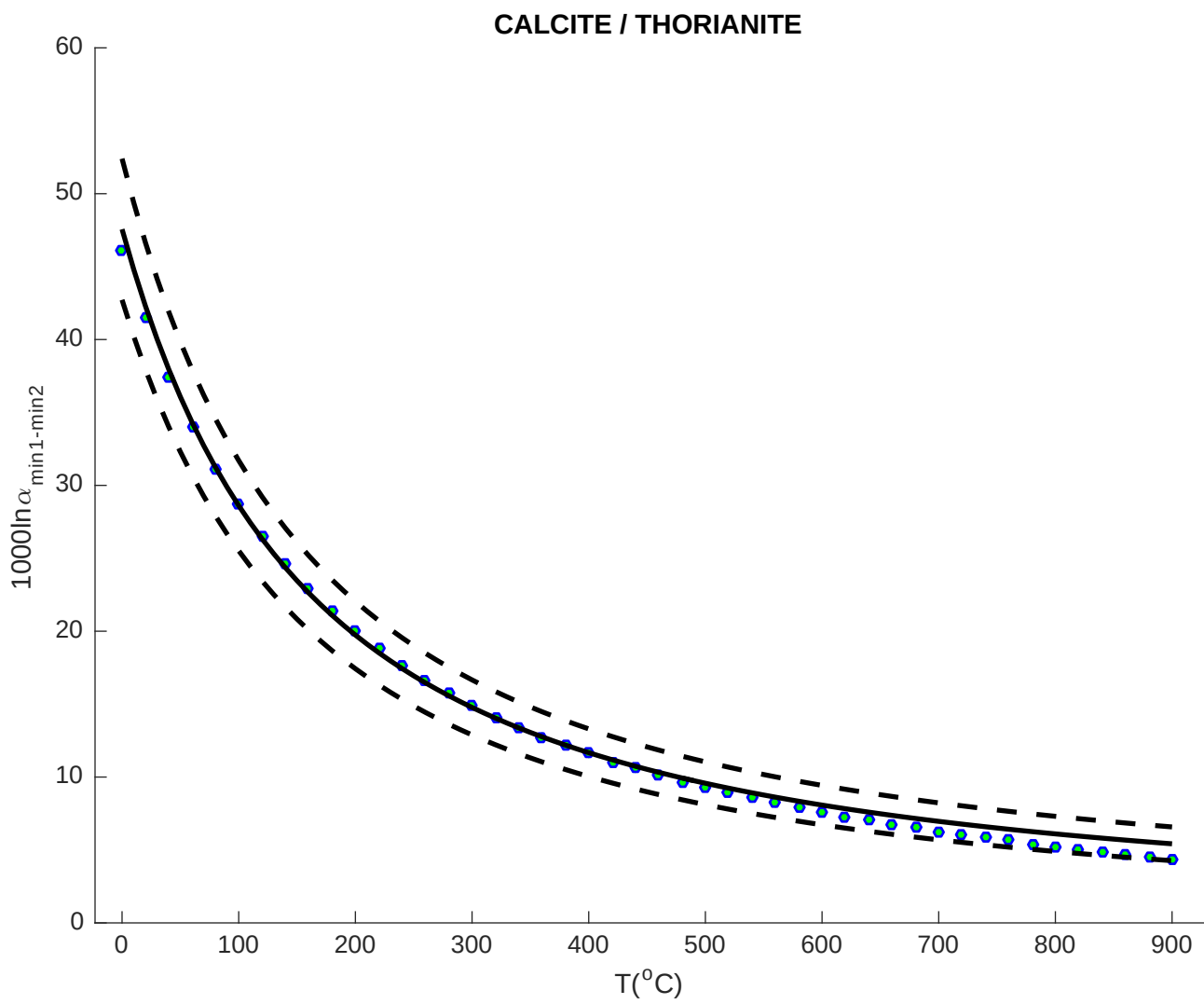


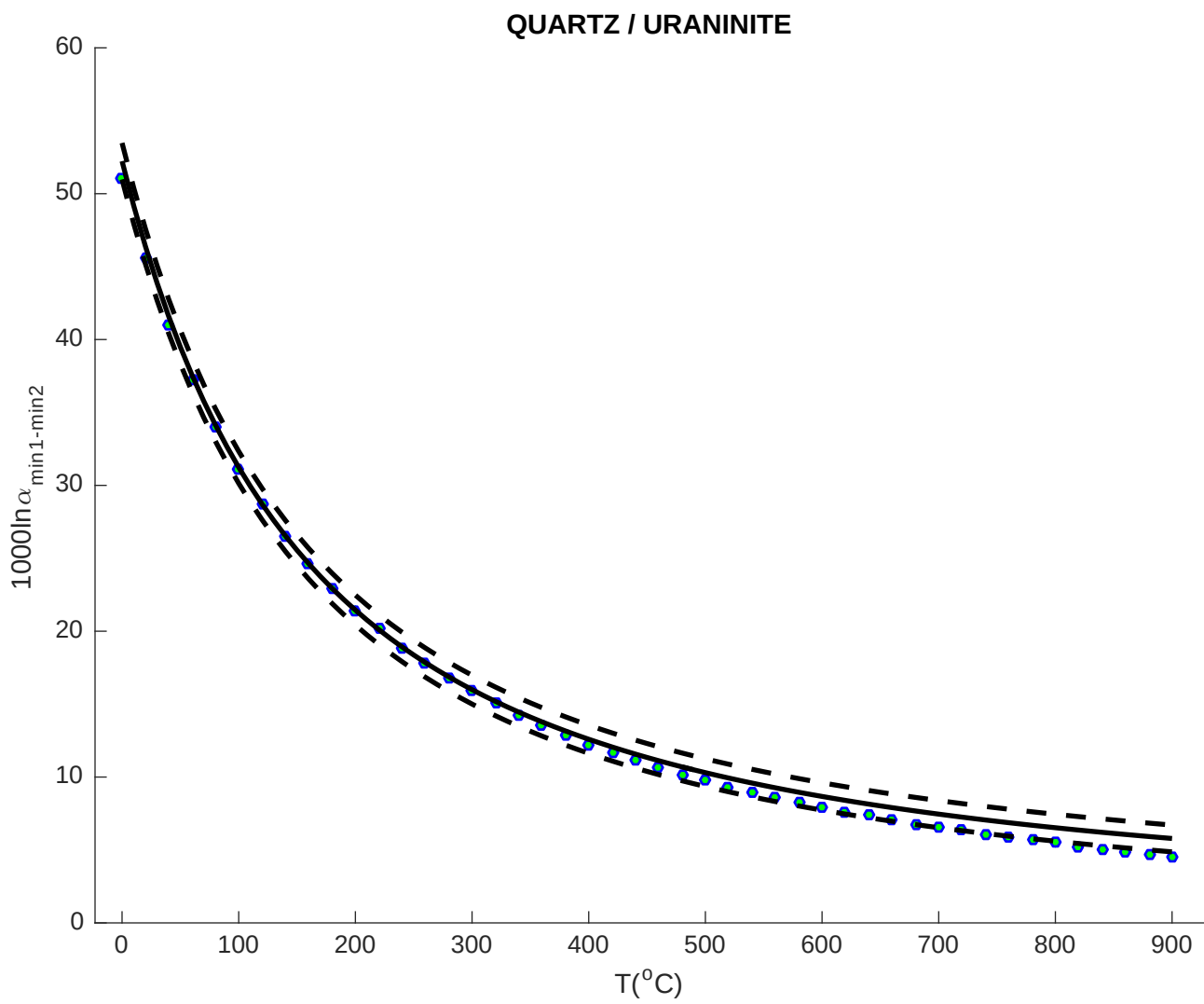


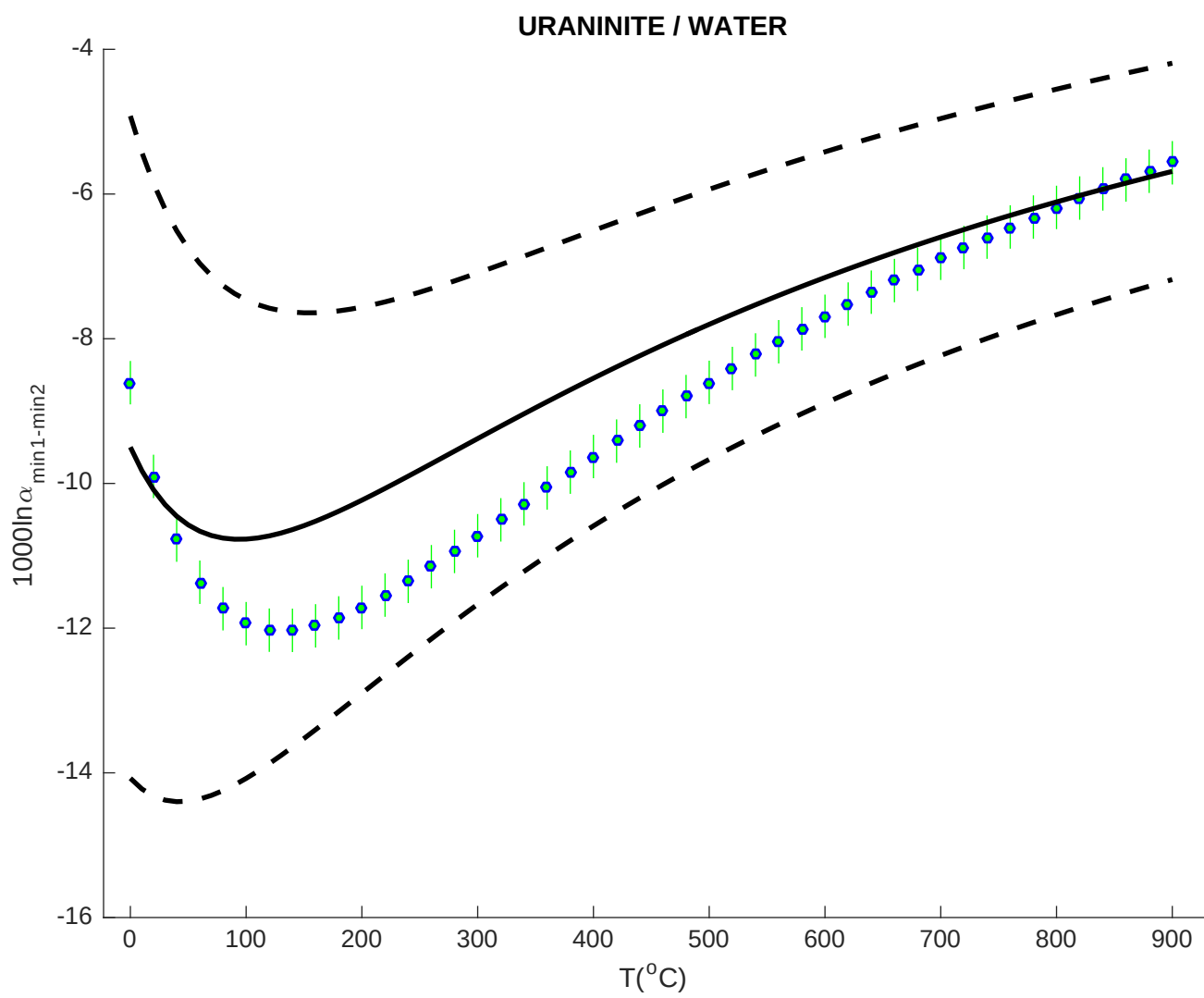


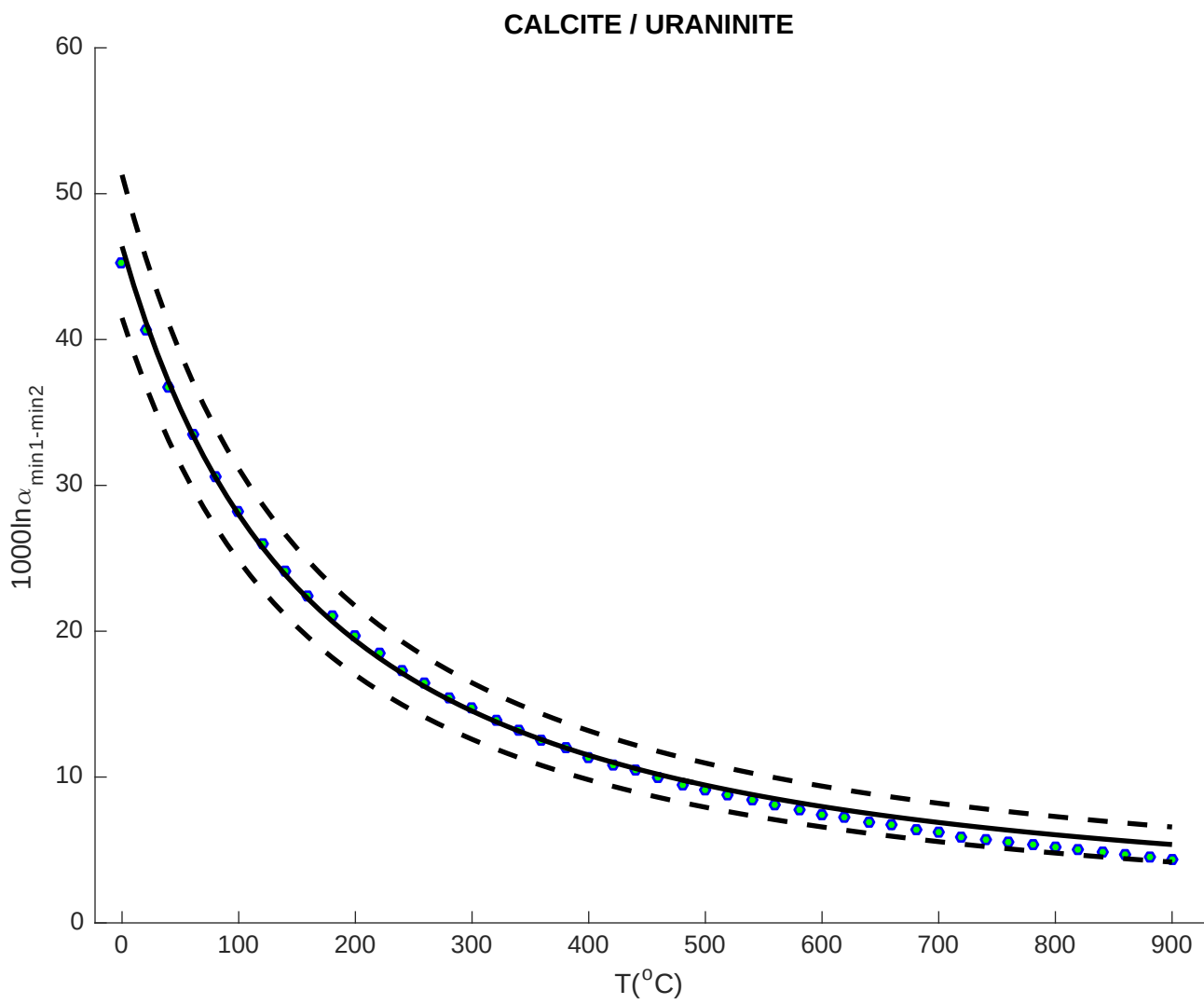


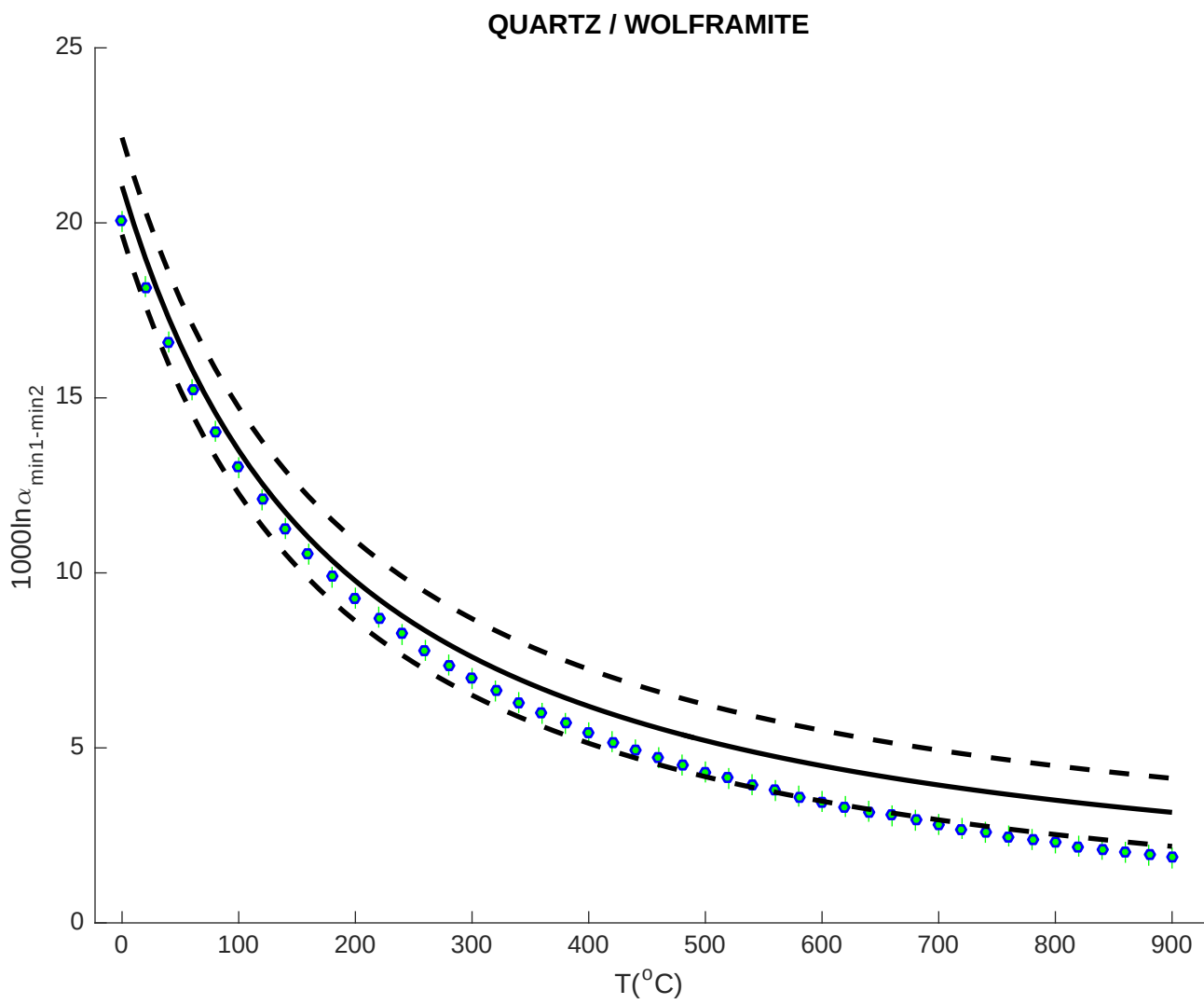


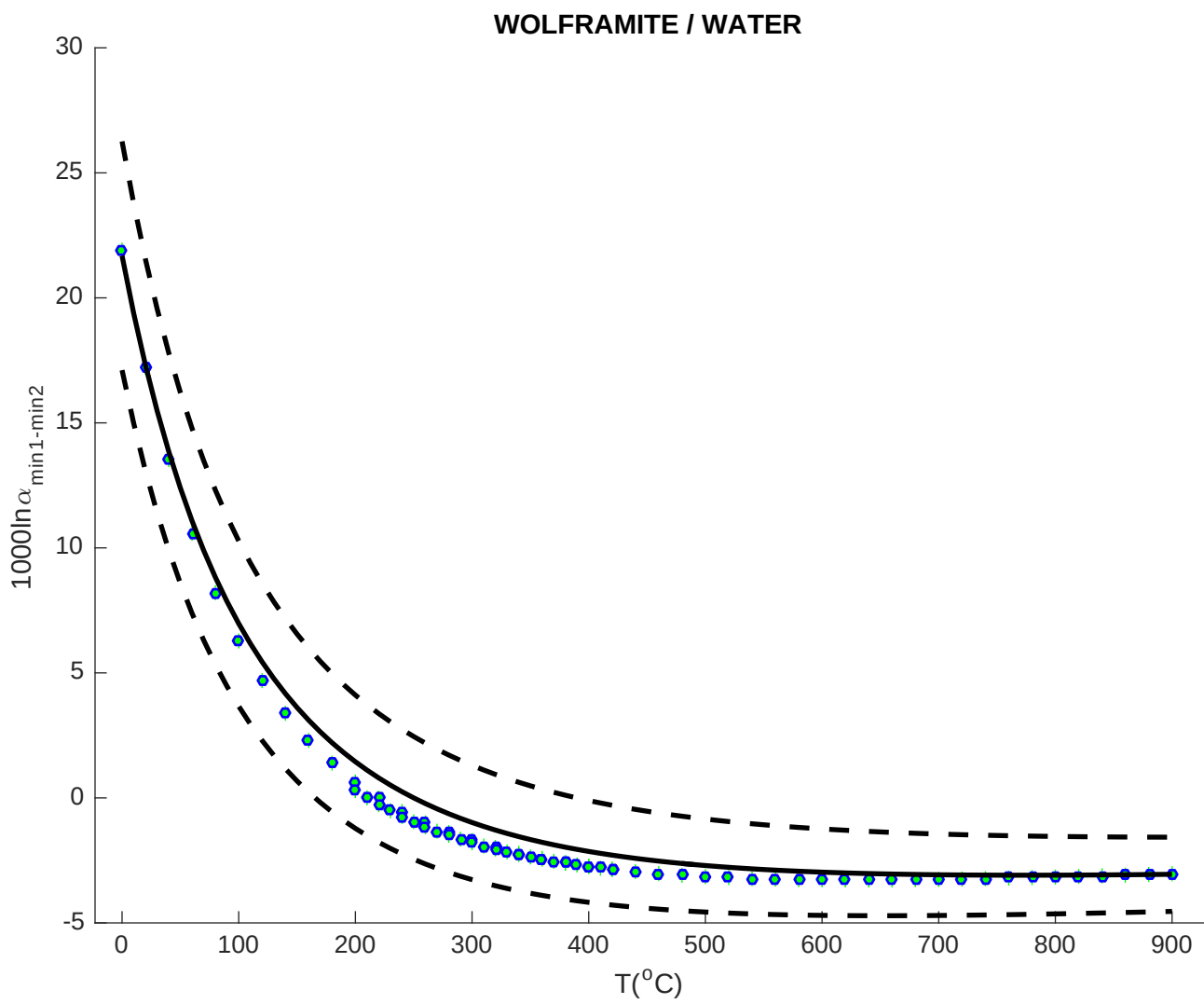


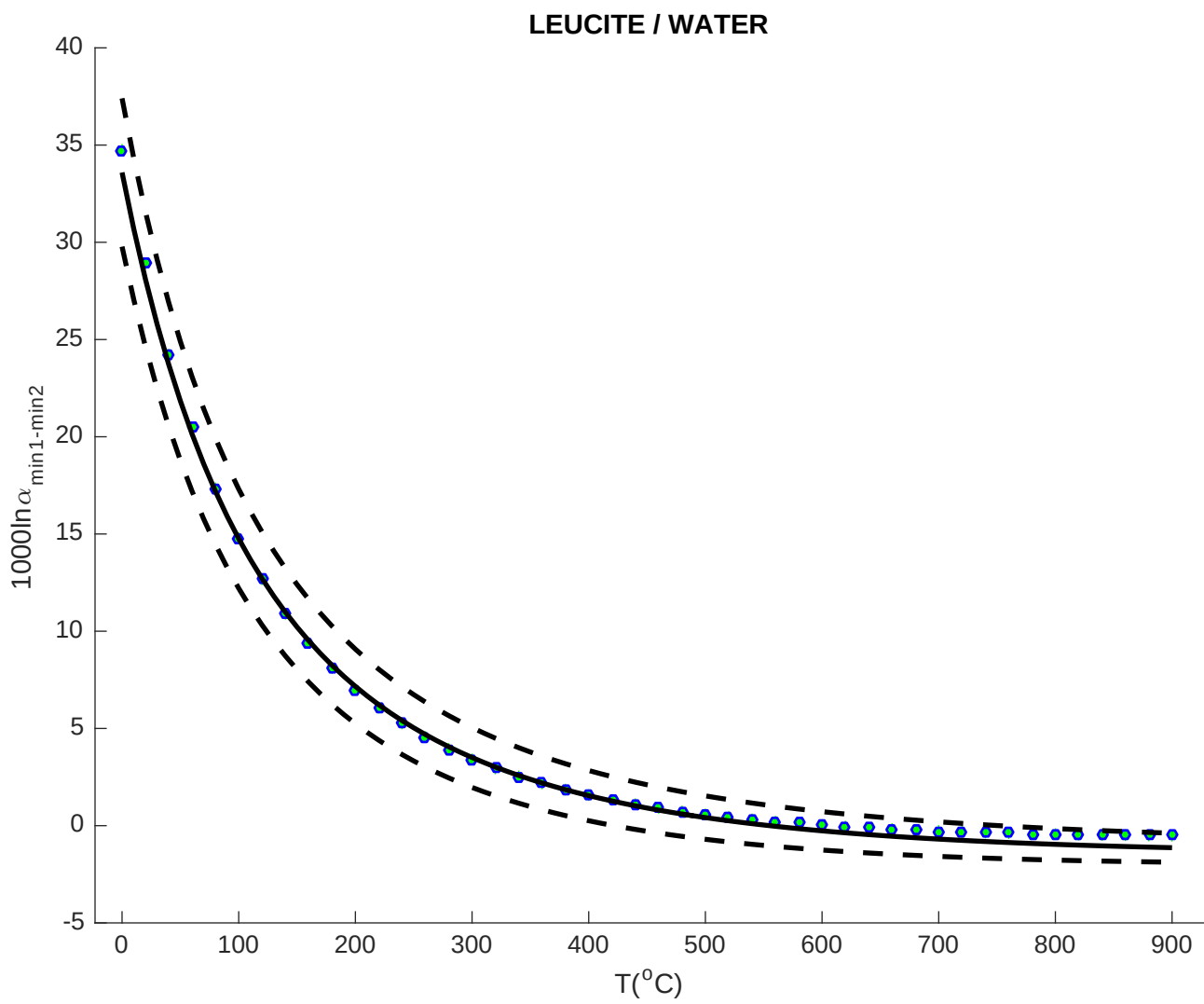




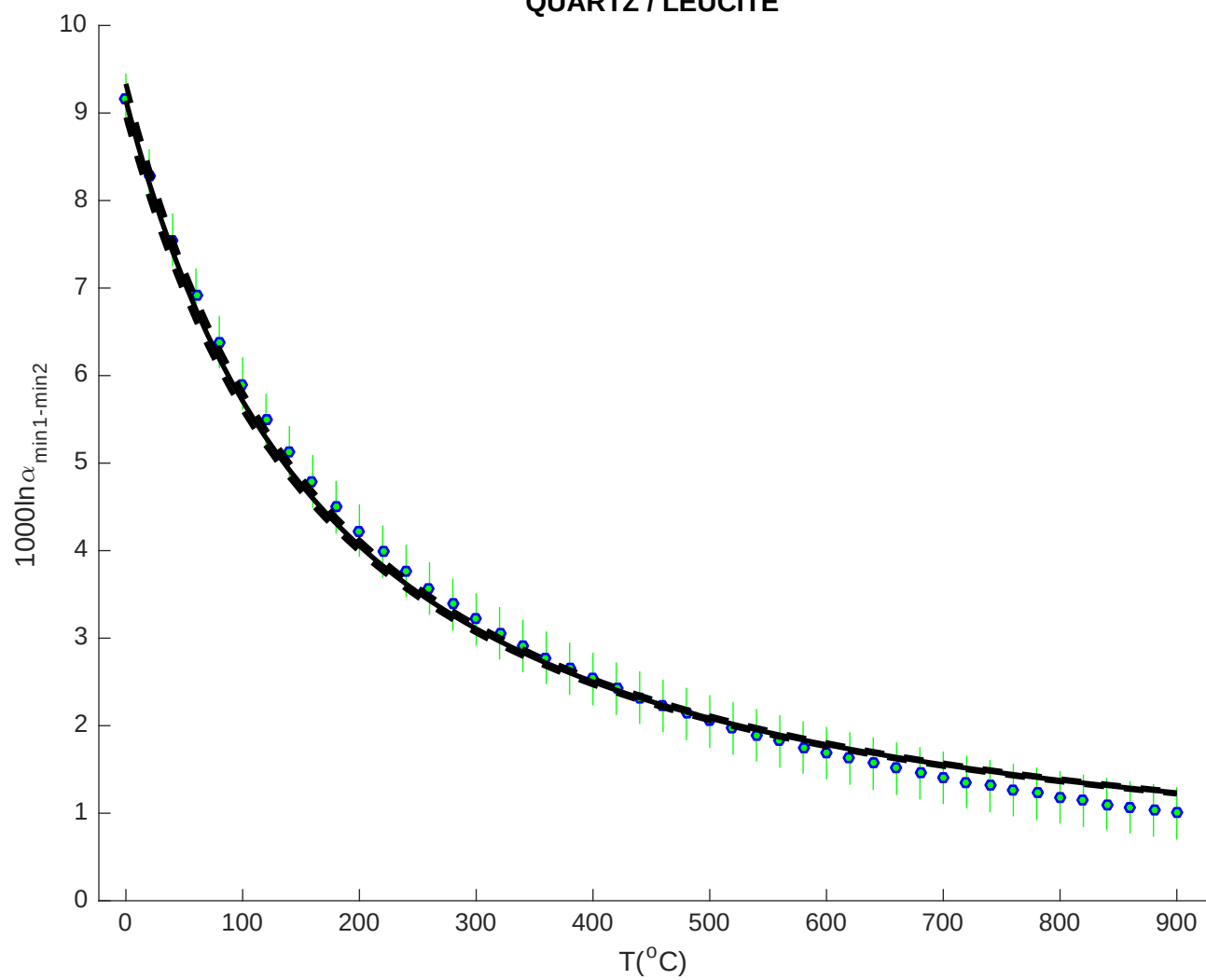


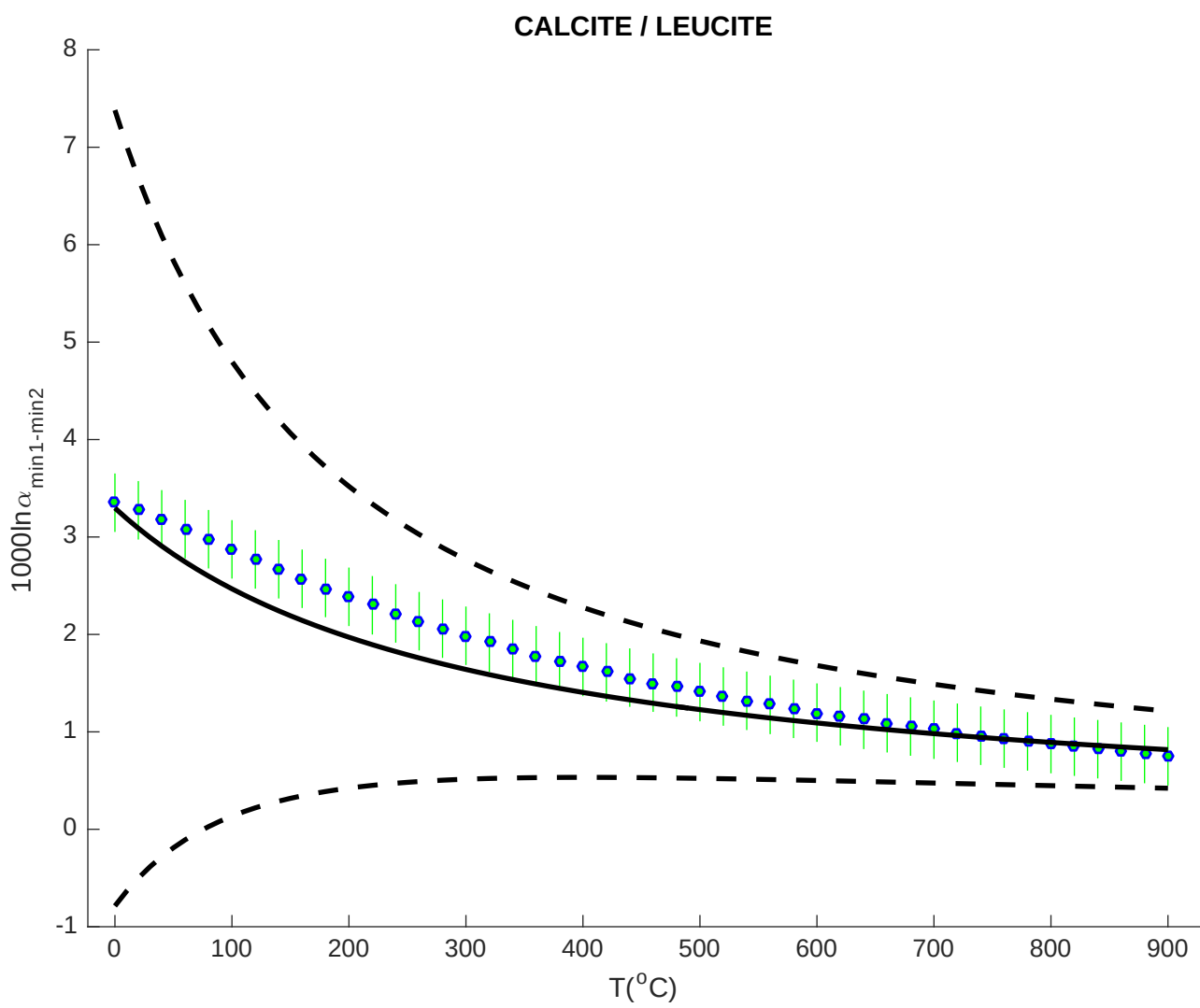


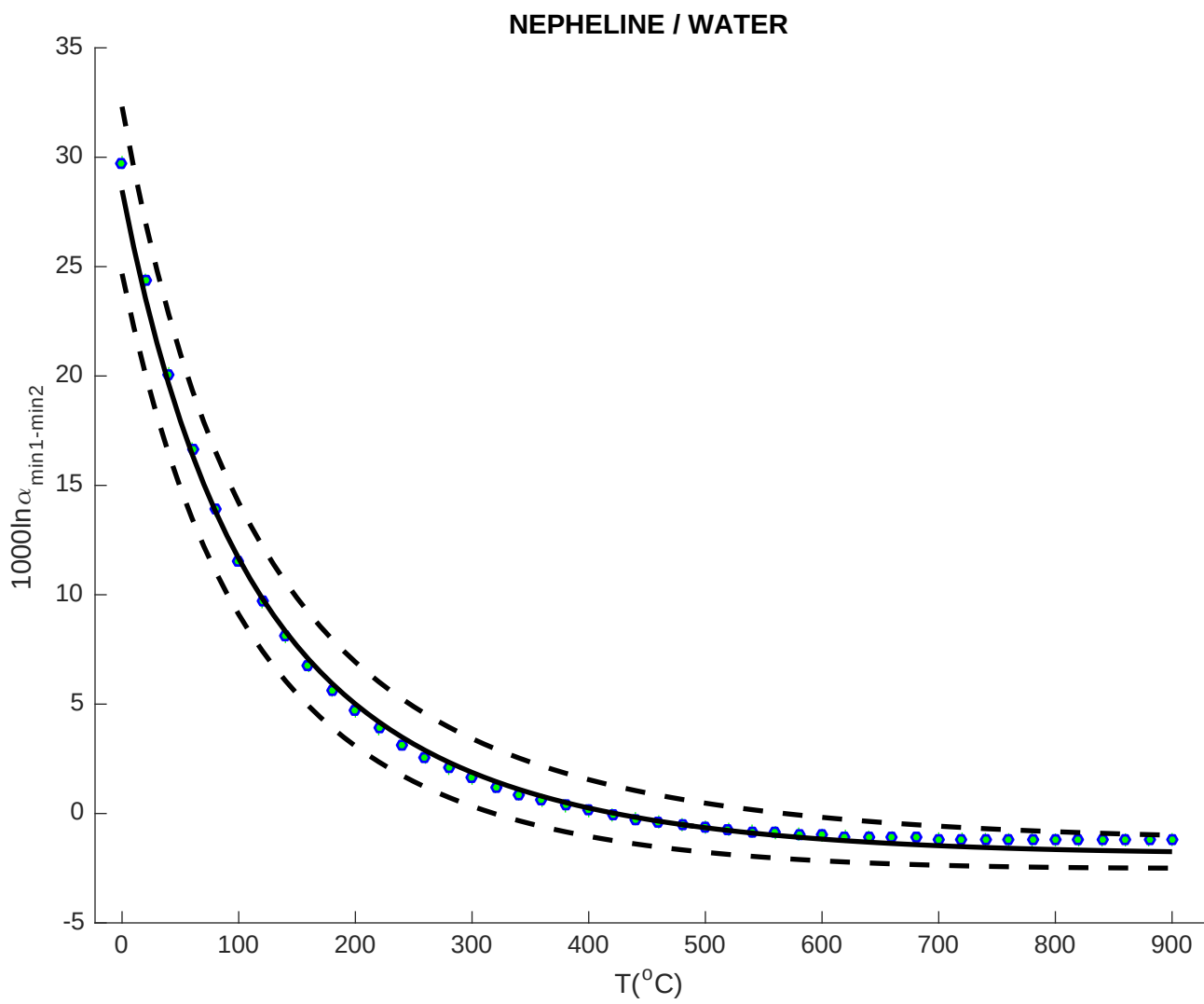


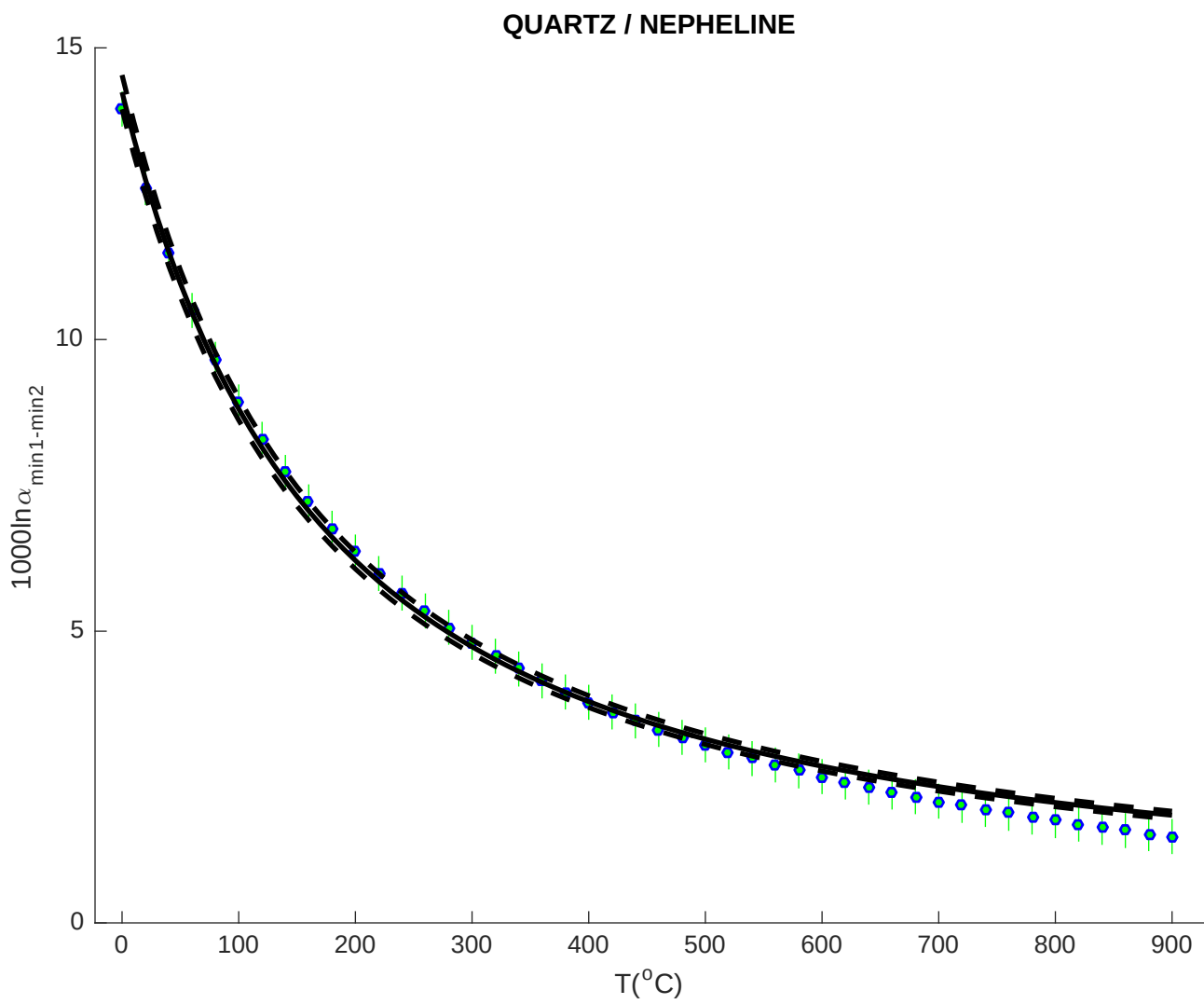


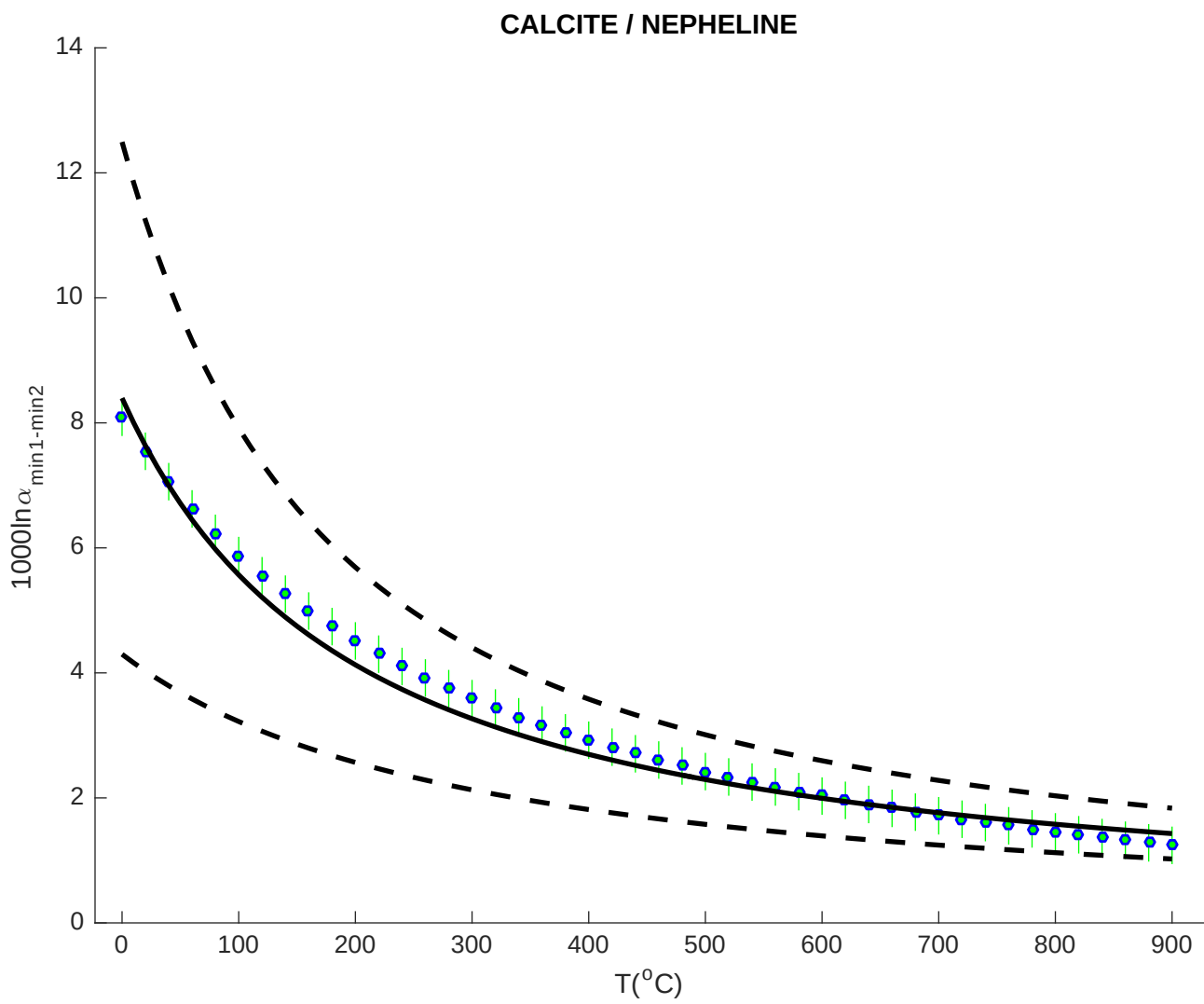
QUARTZ / LEUCITE

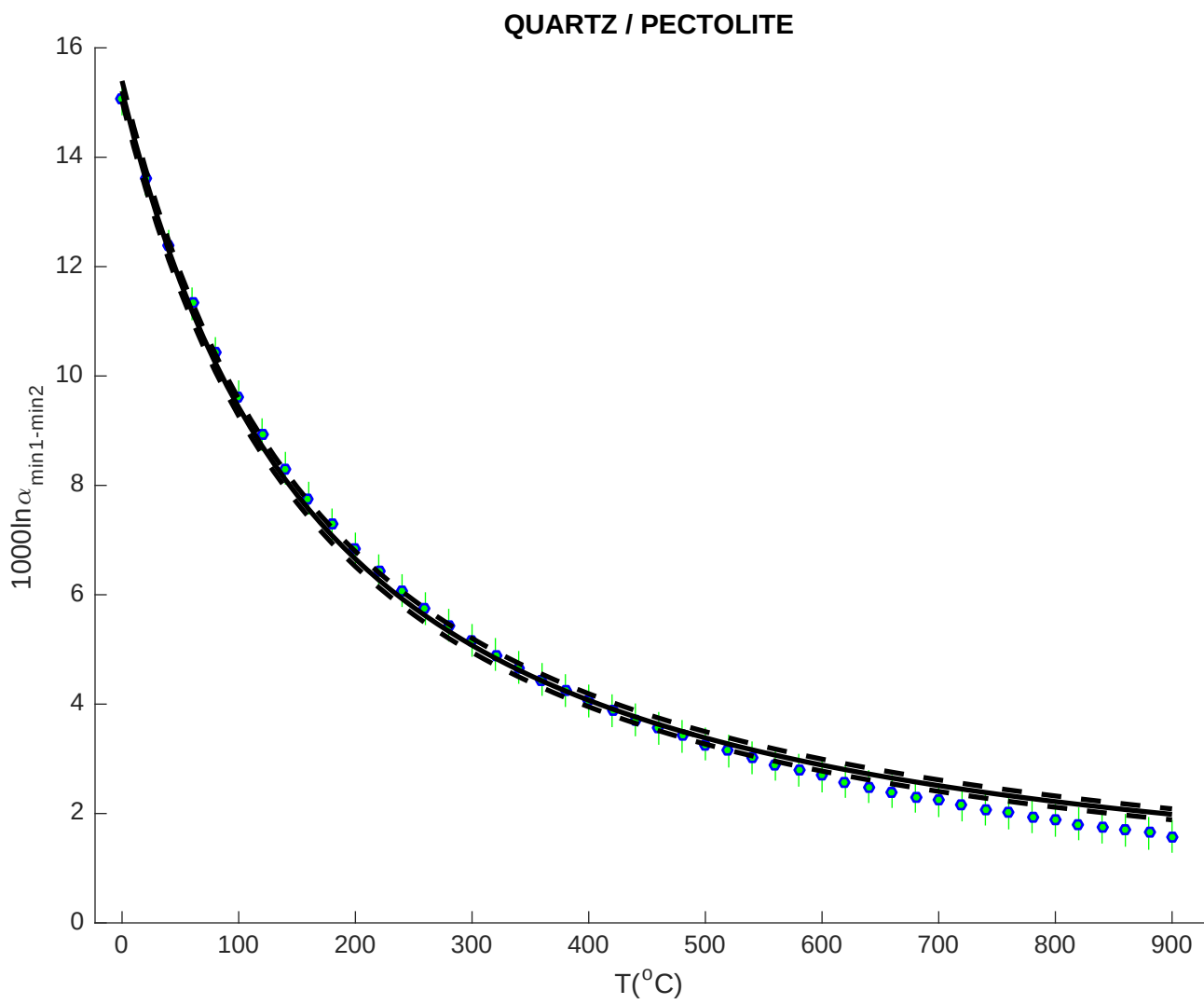




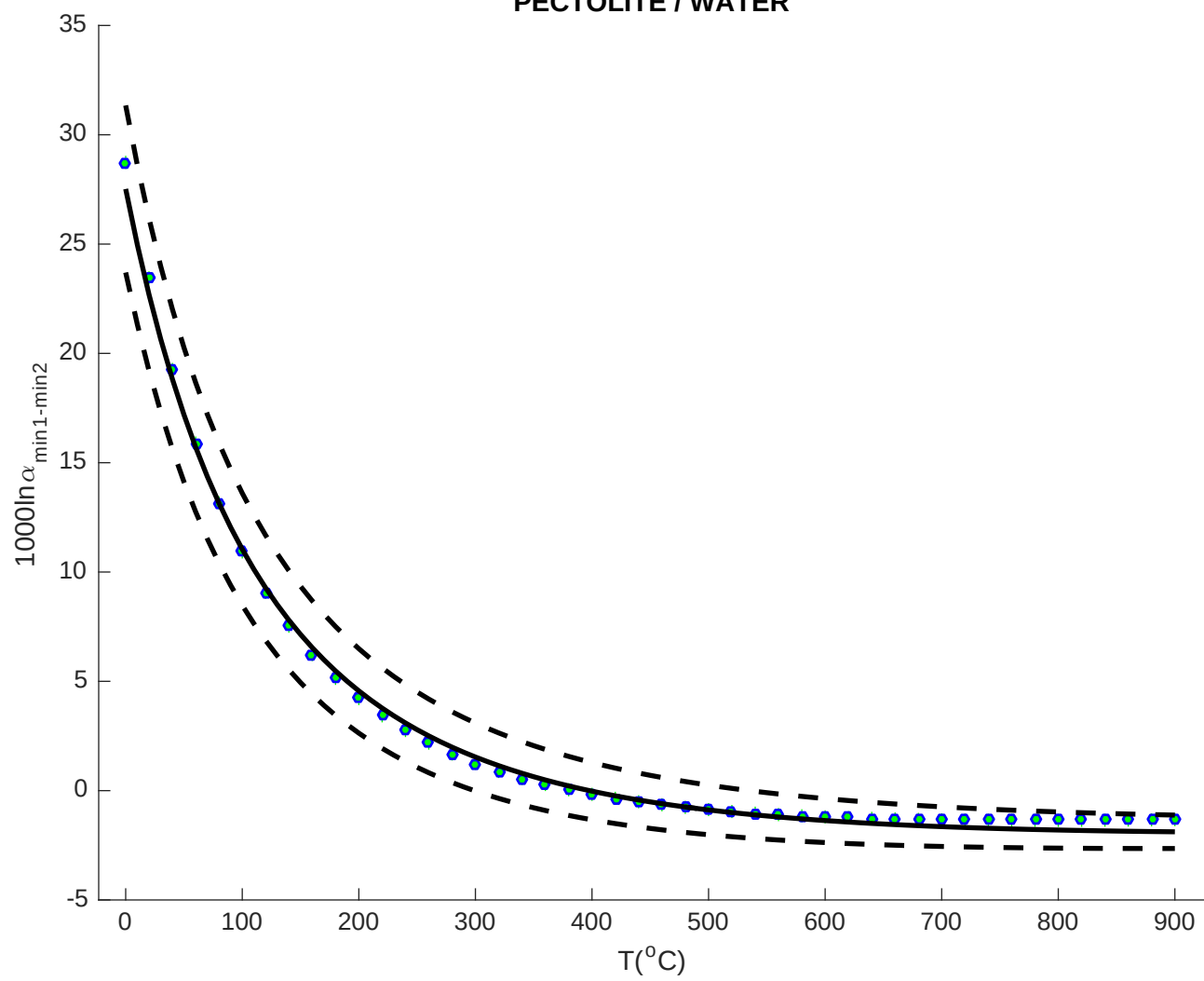


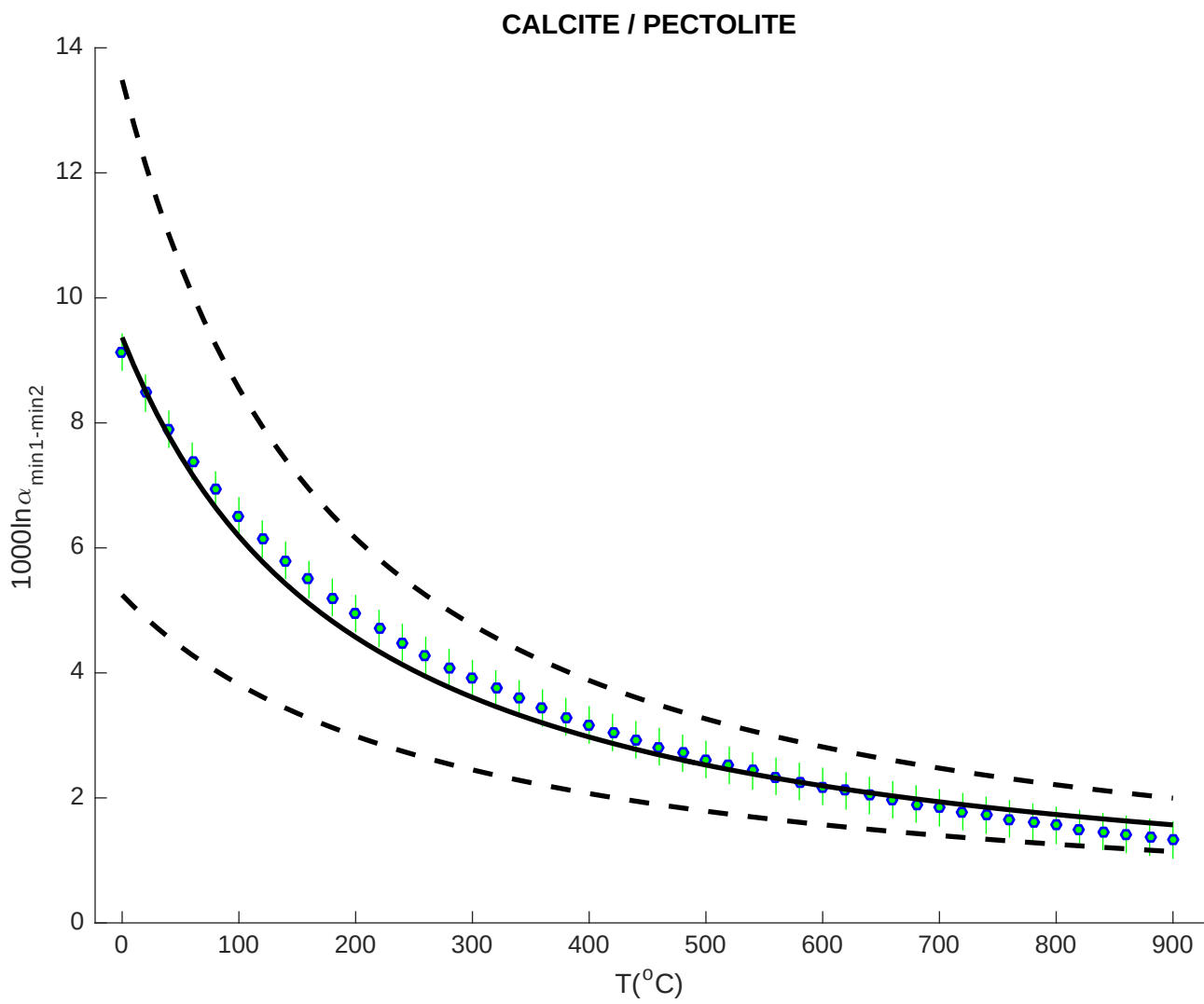


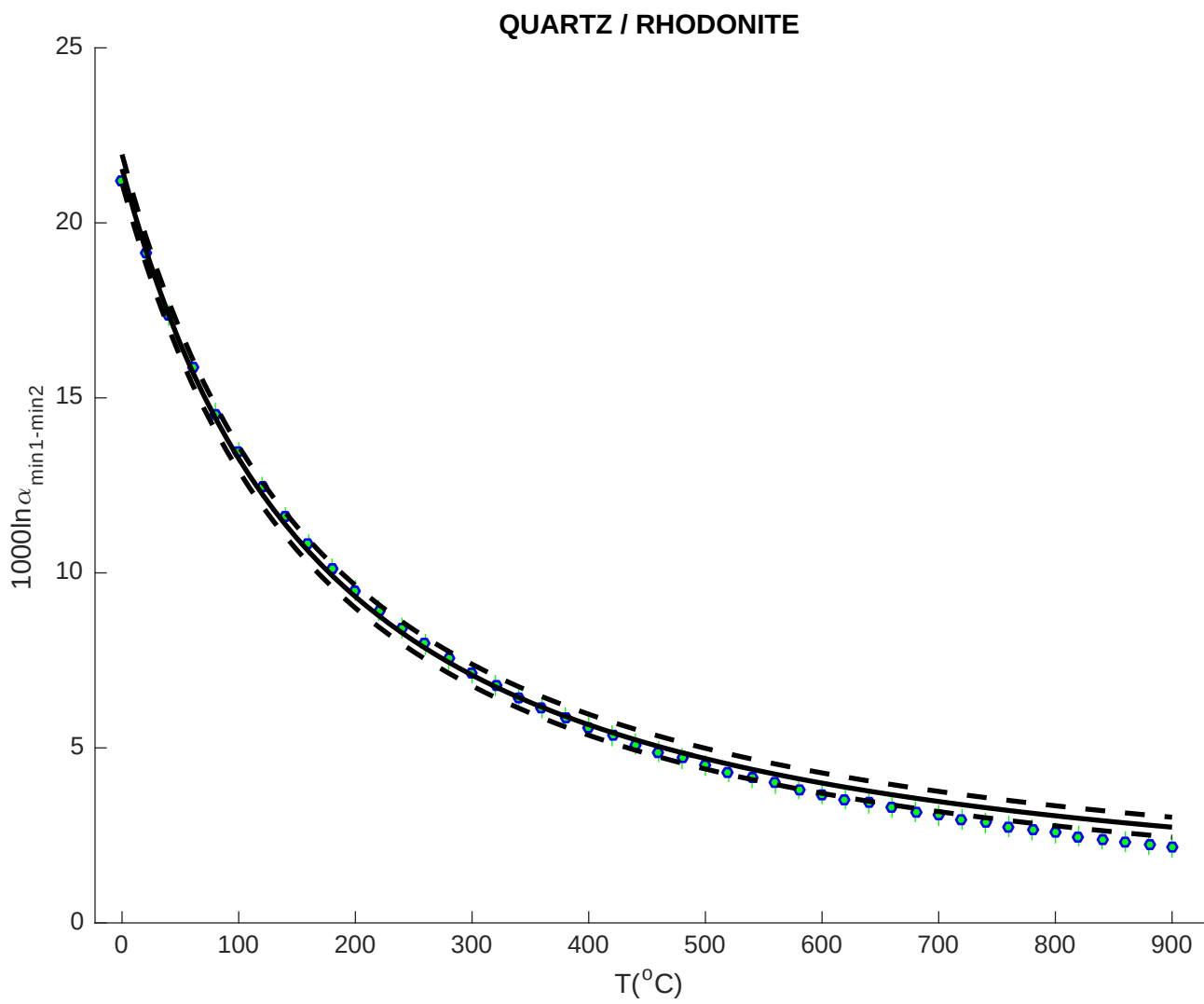


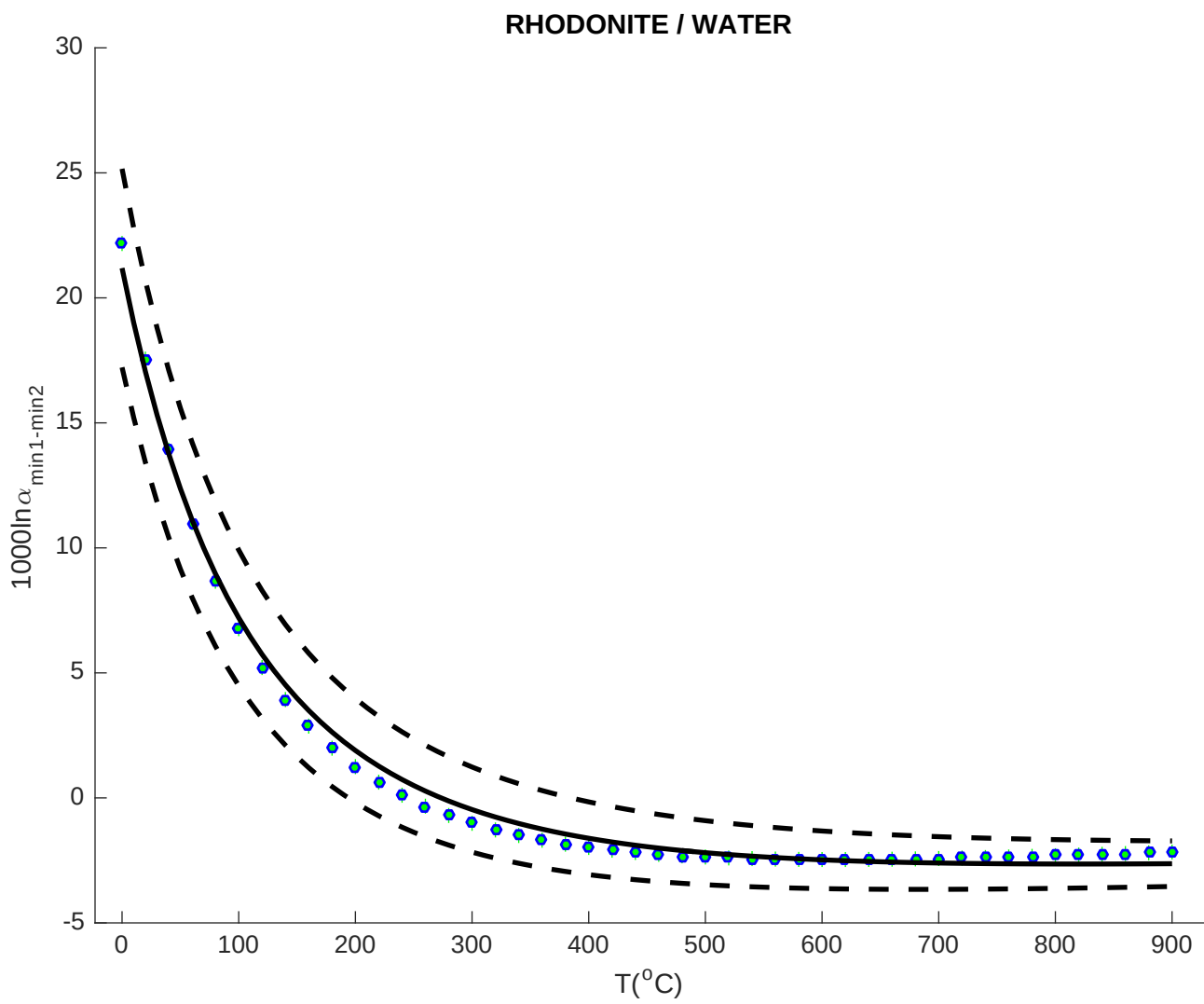


PECTOLITE / WATER

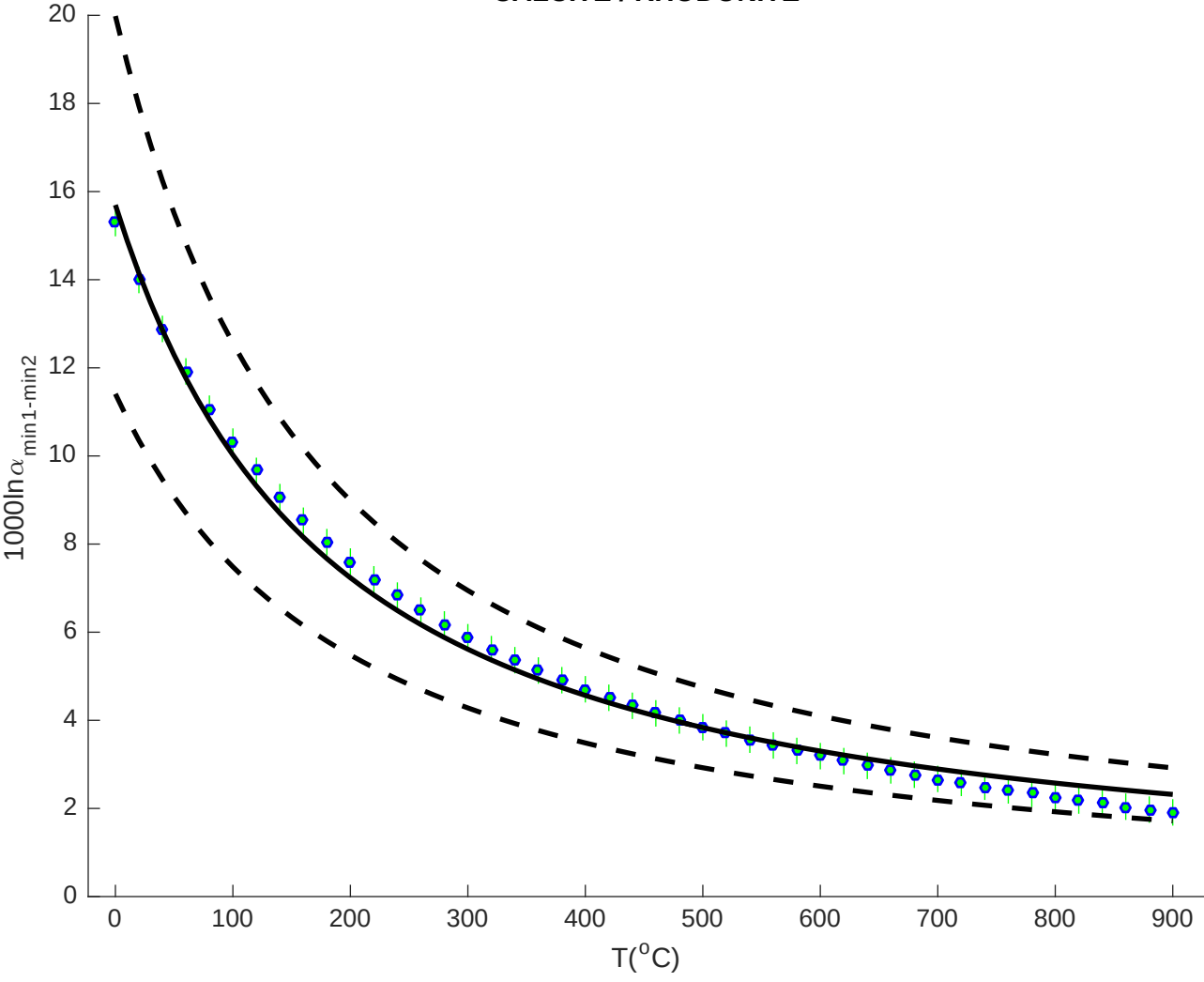


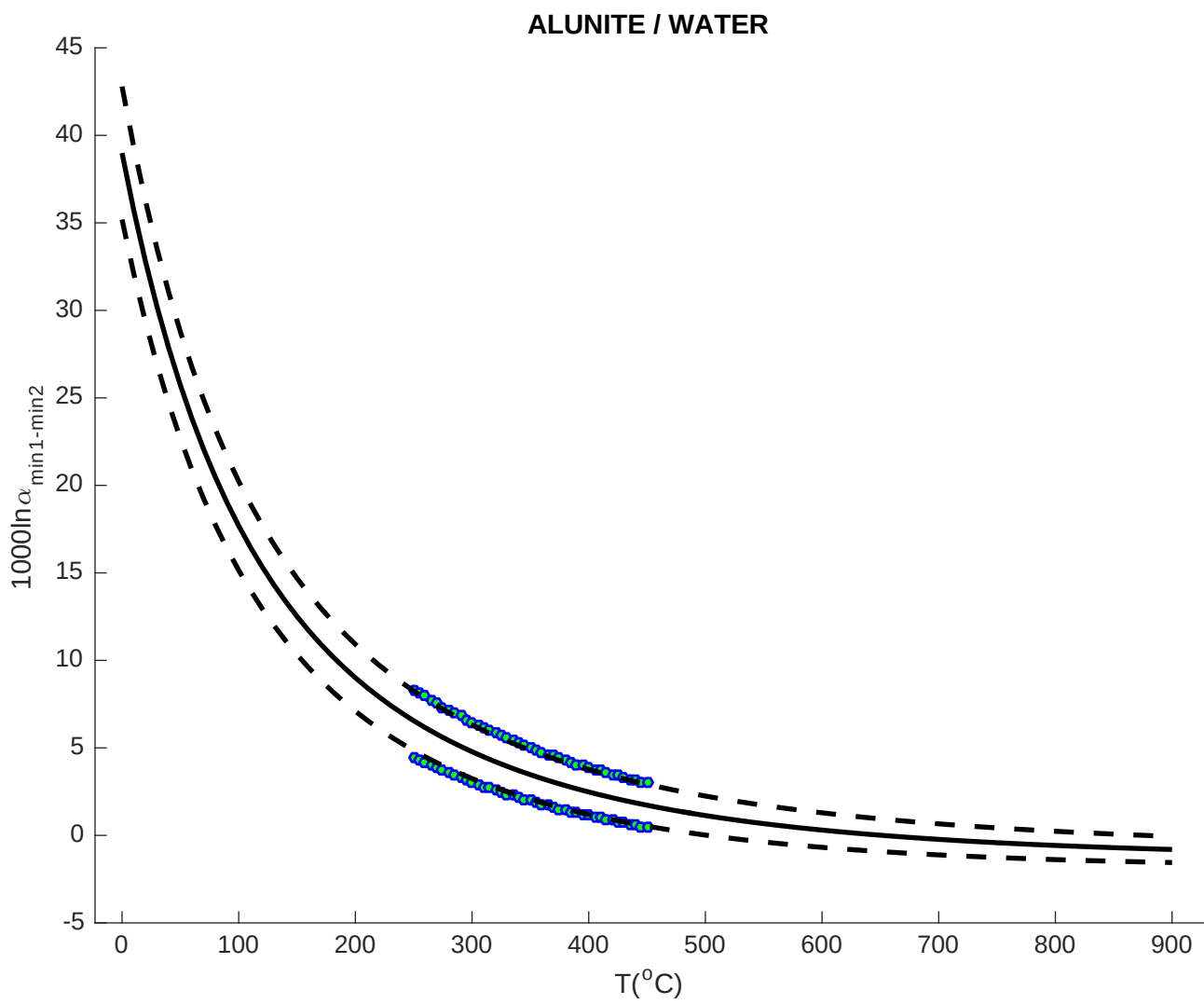


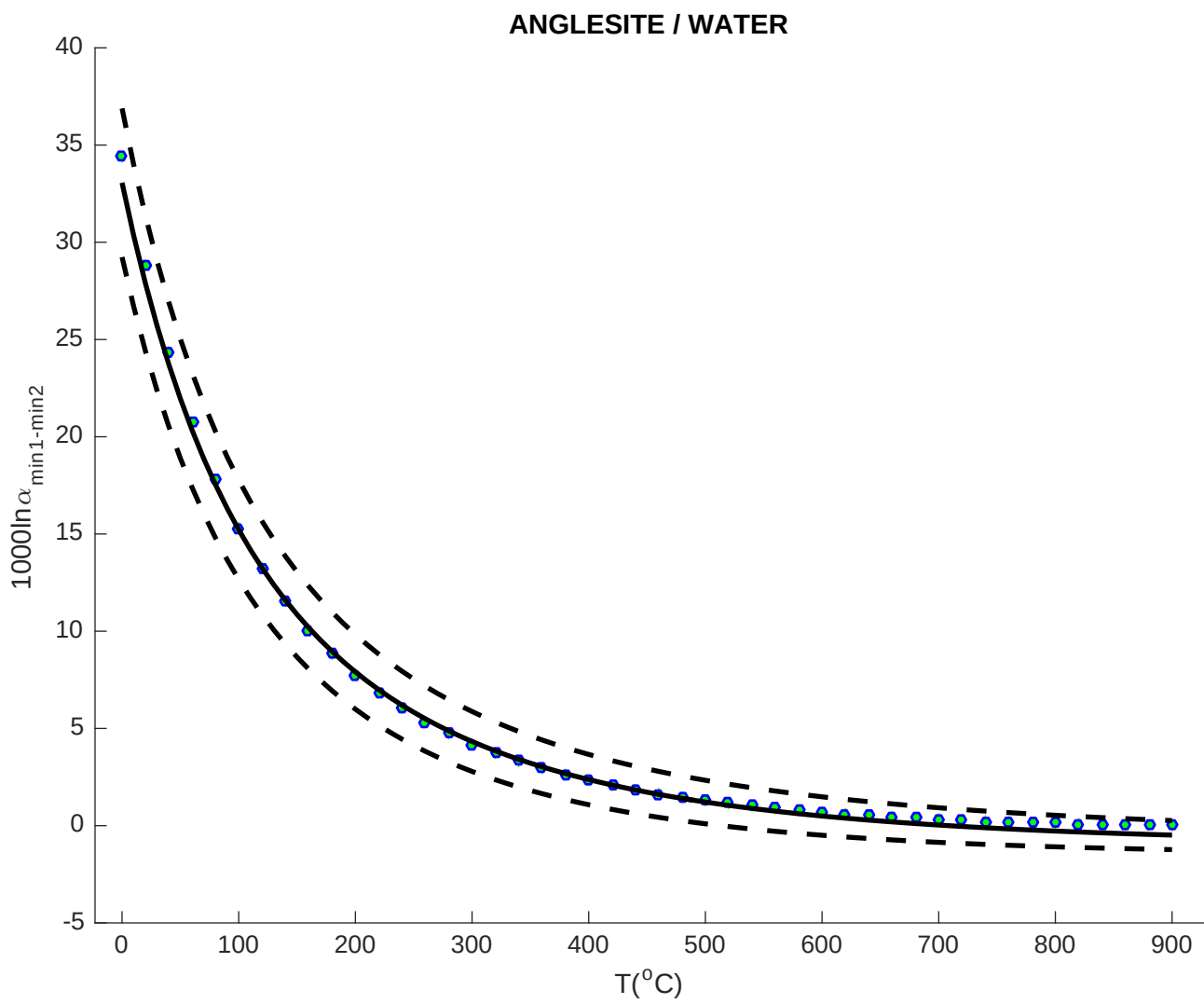


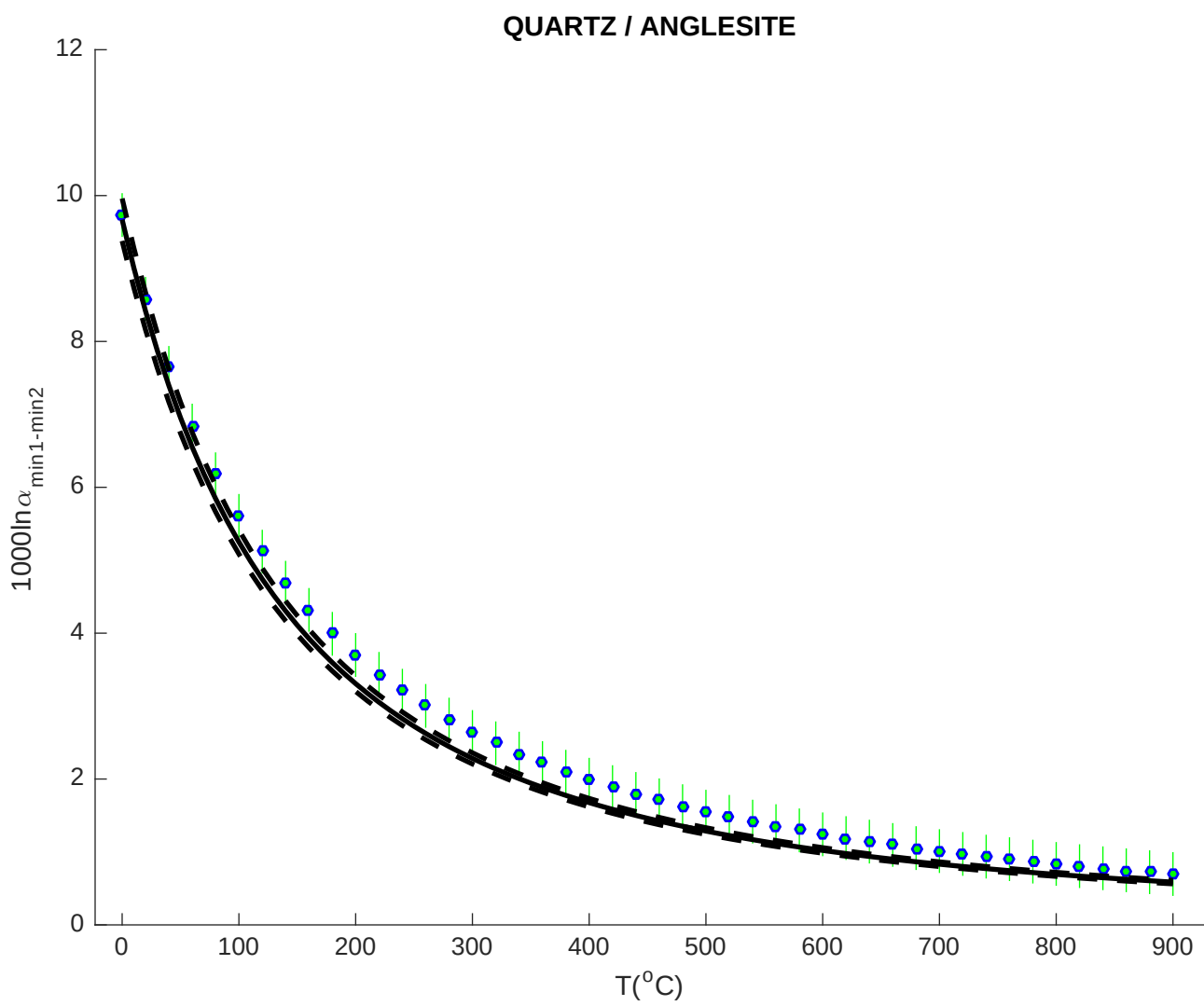


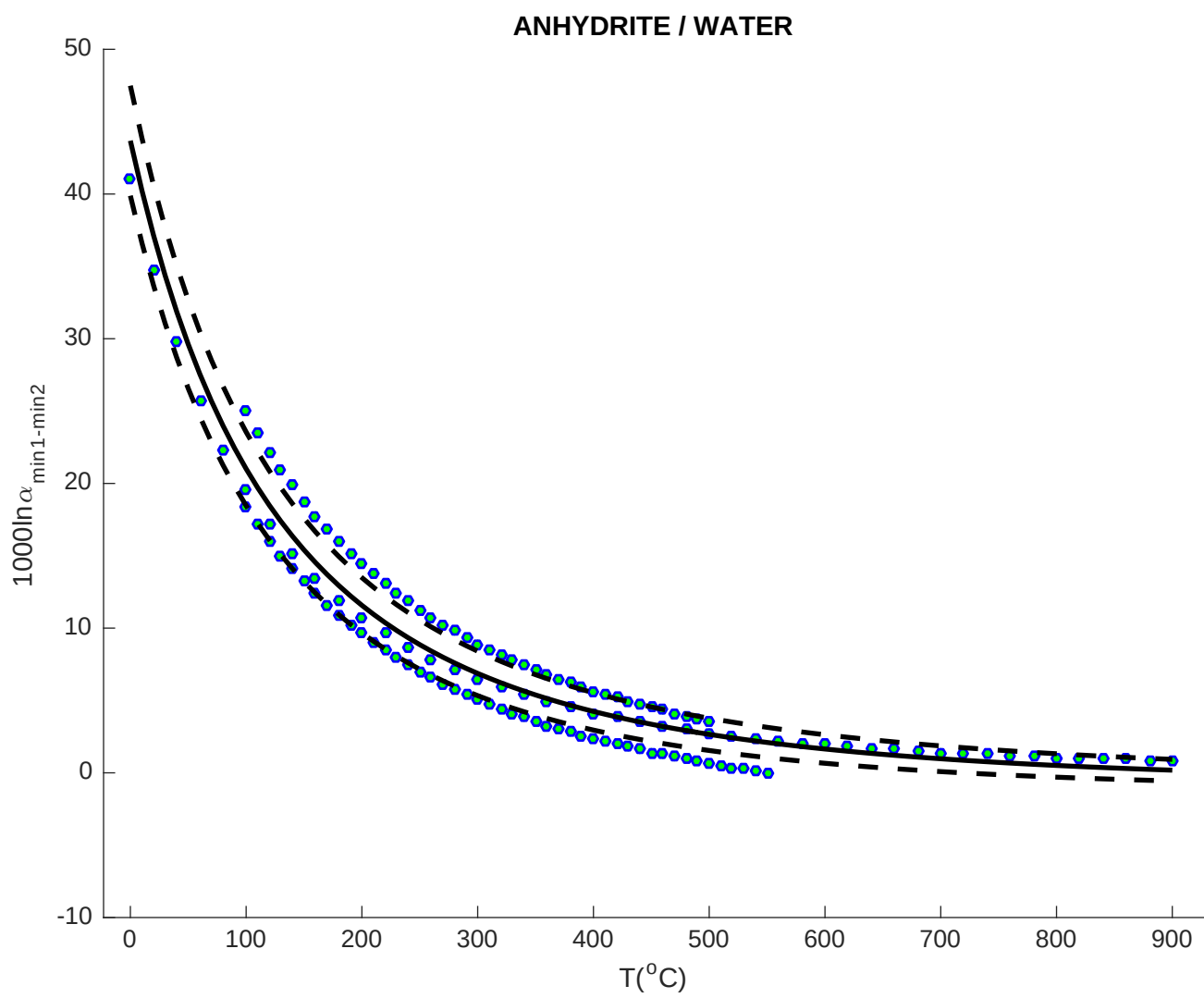
CALCITE / RHODONITE

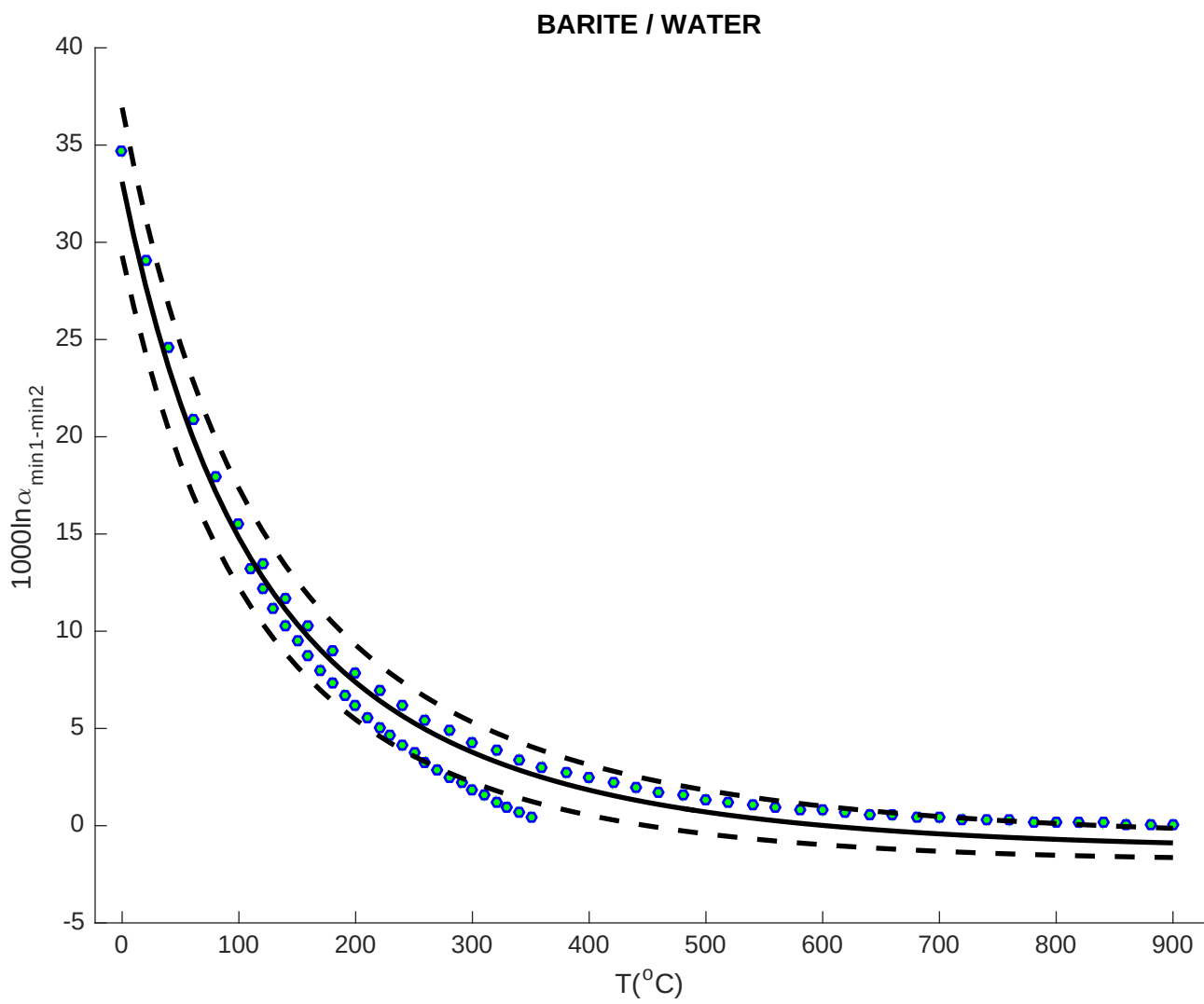


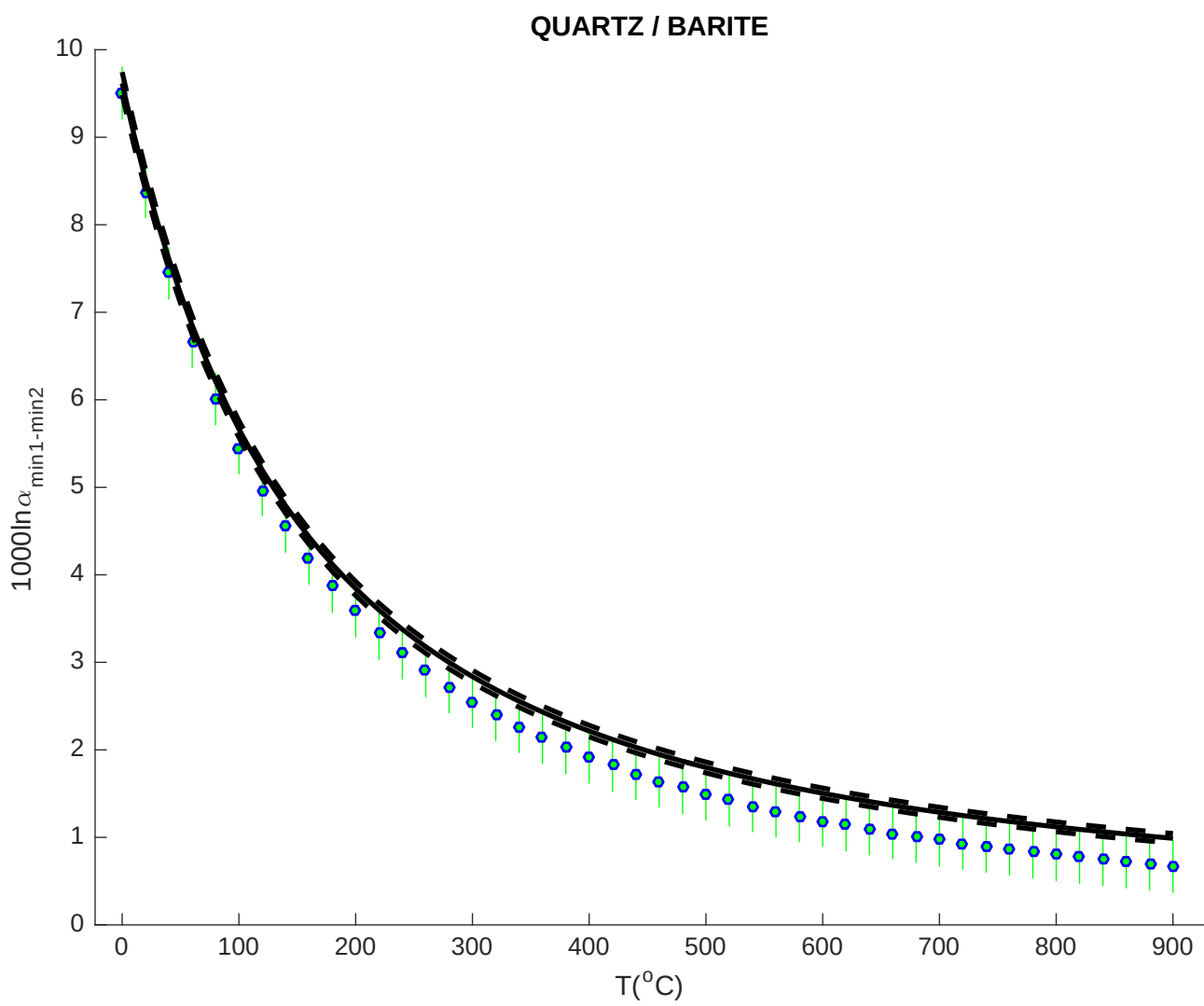


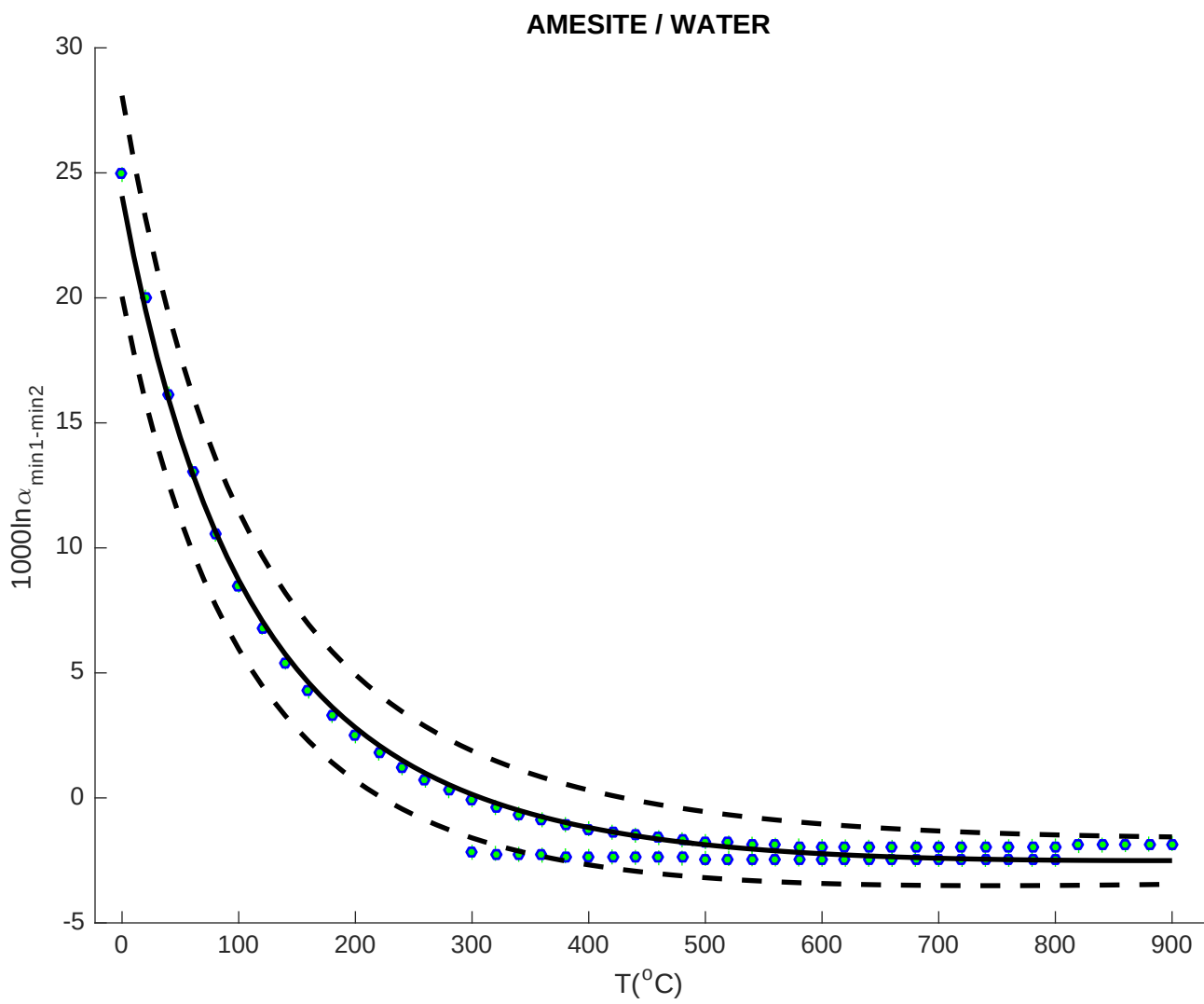


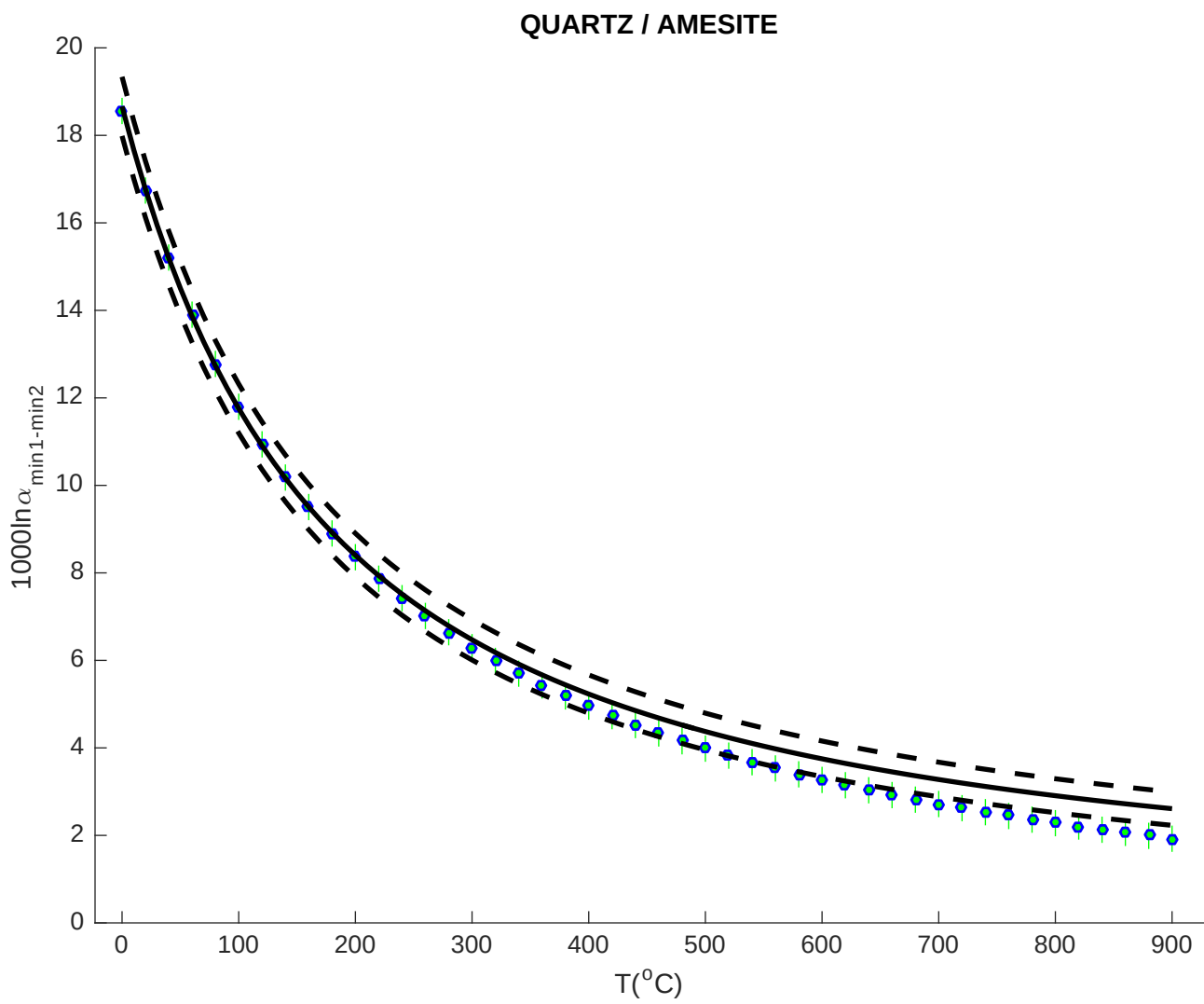


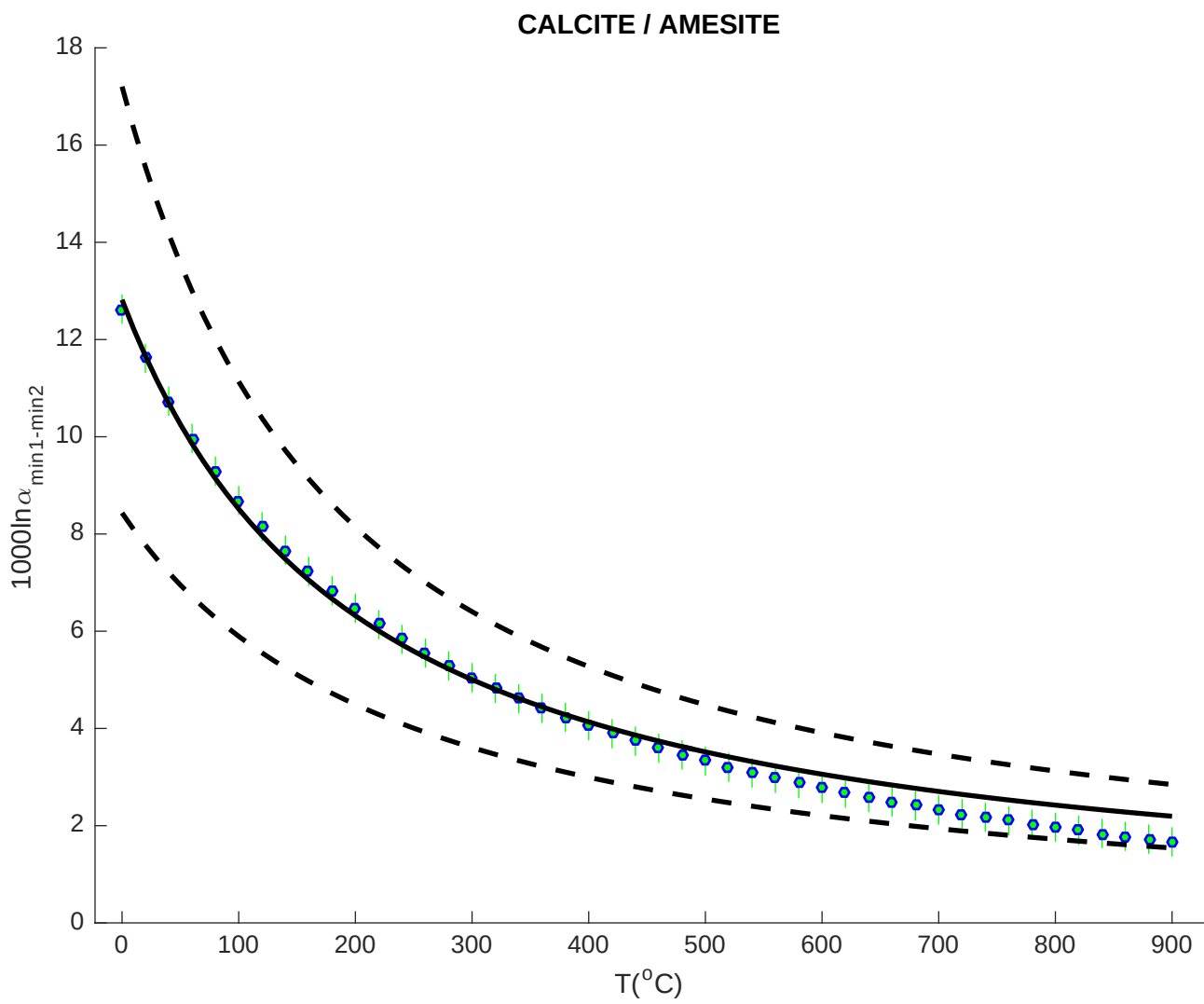


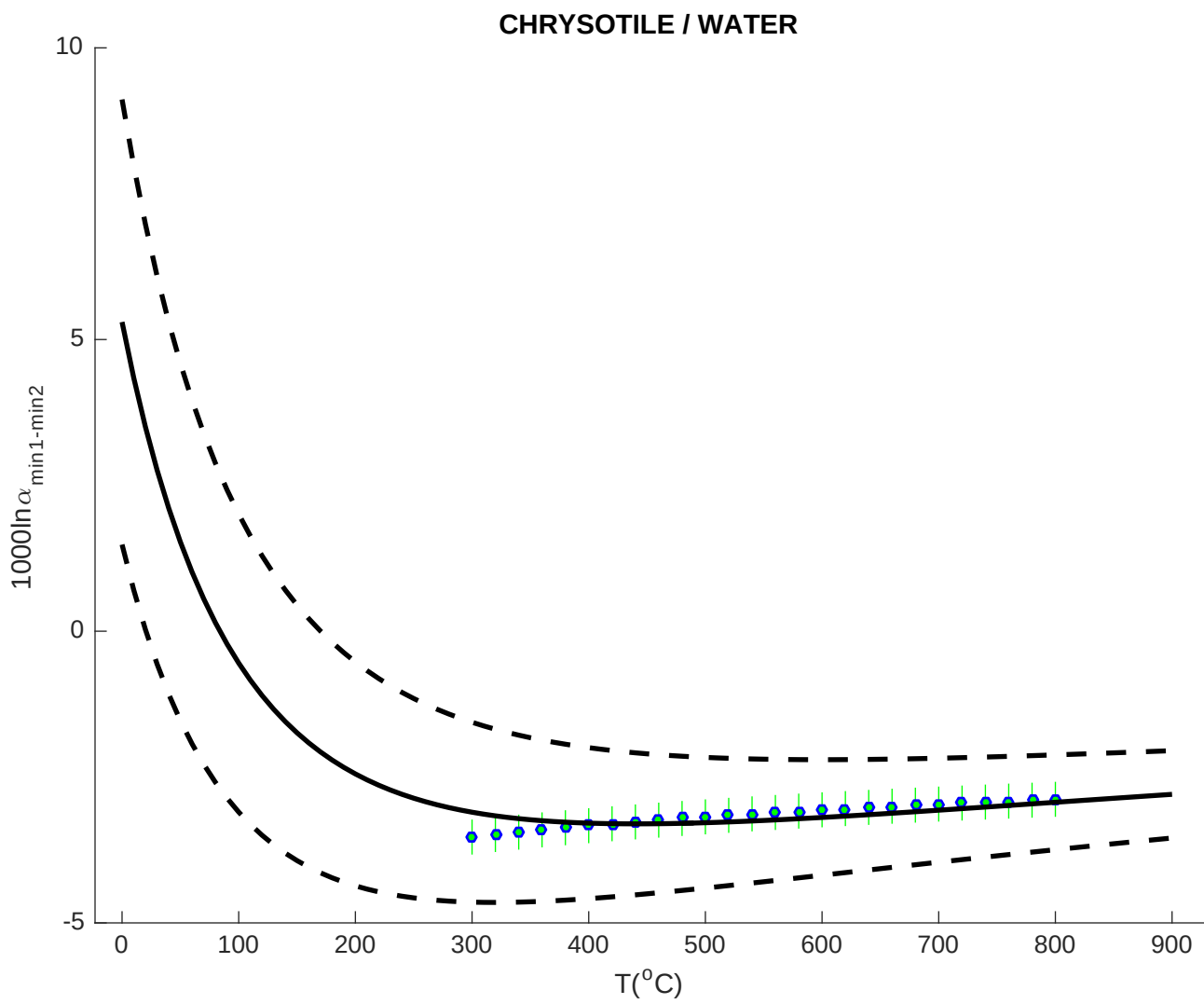




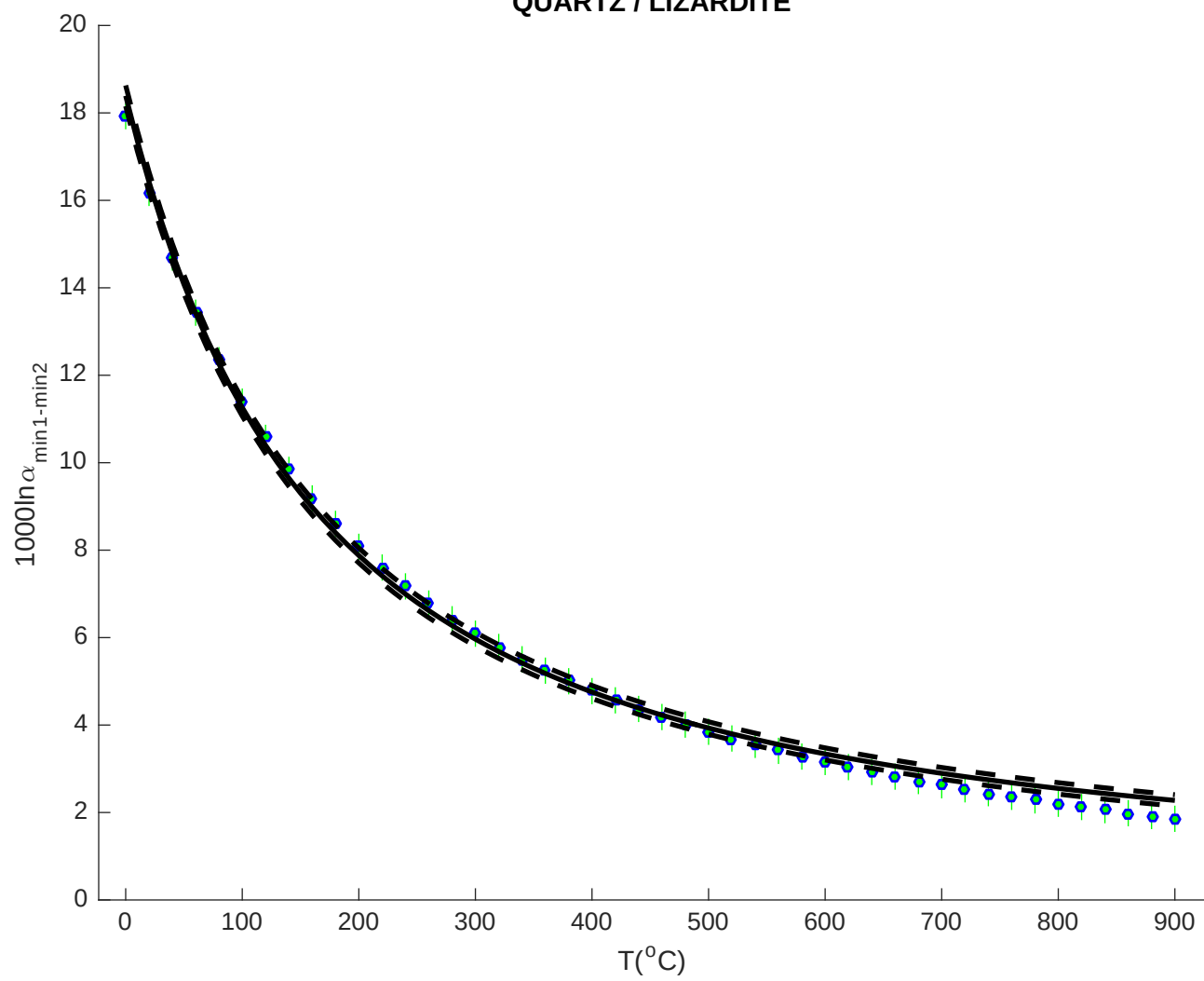


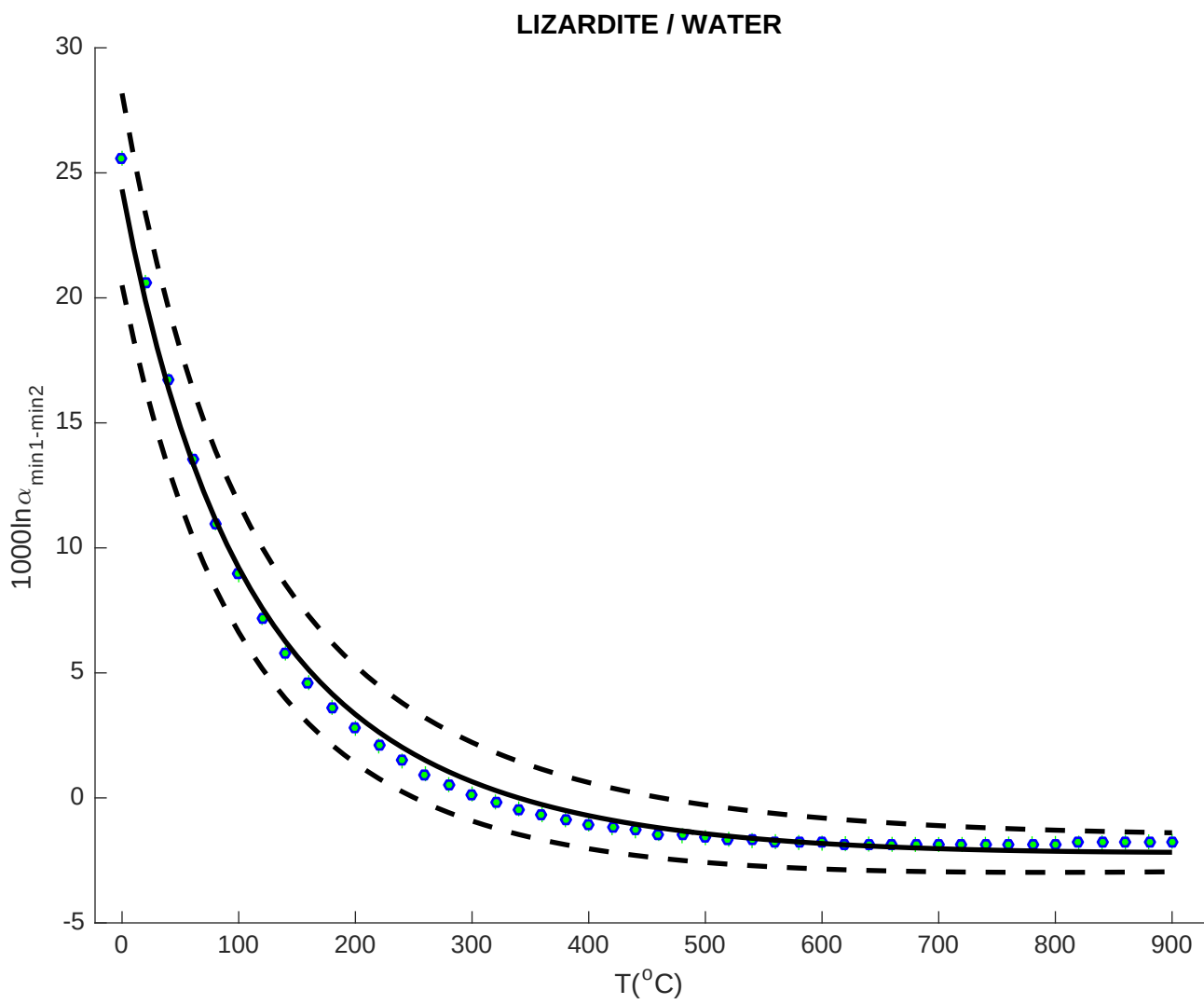


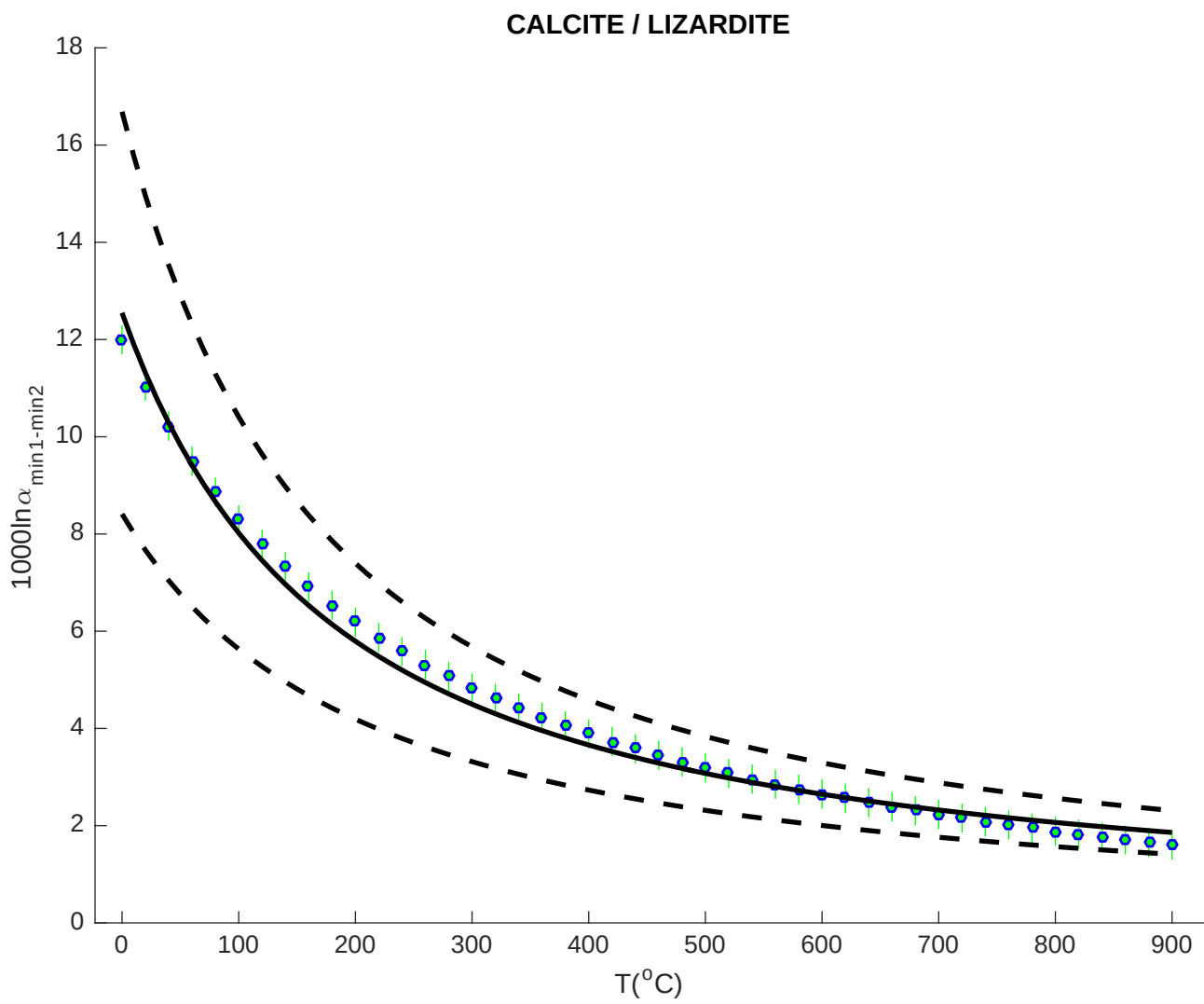


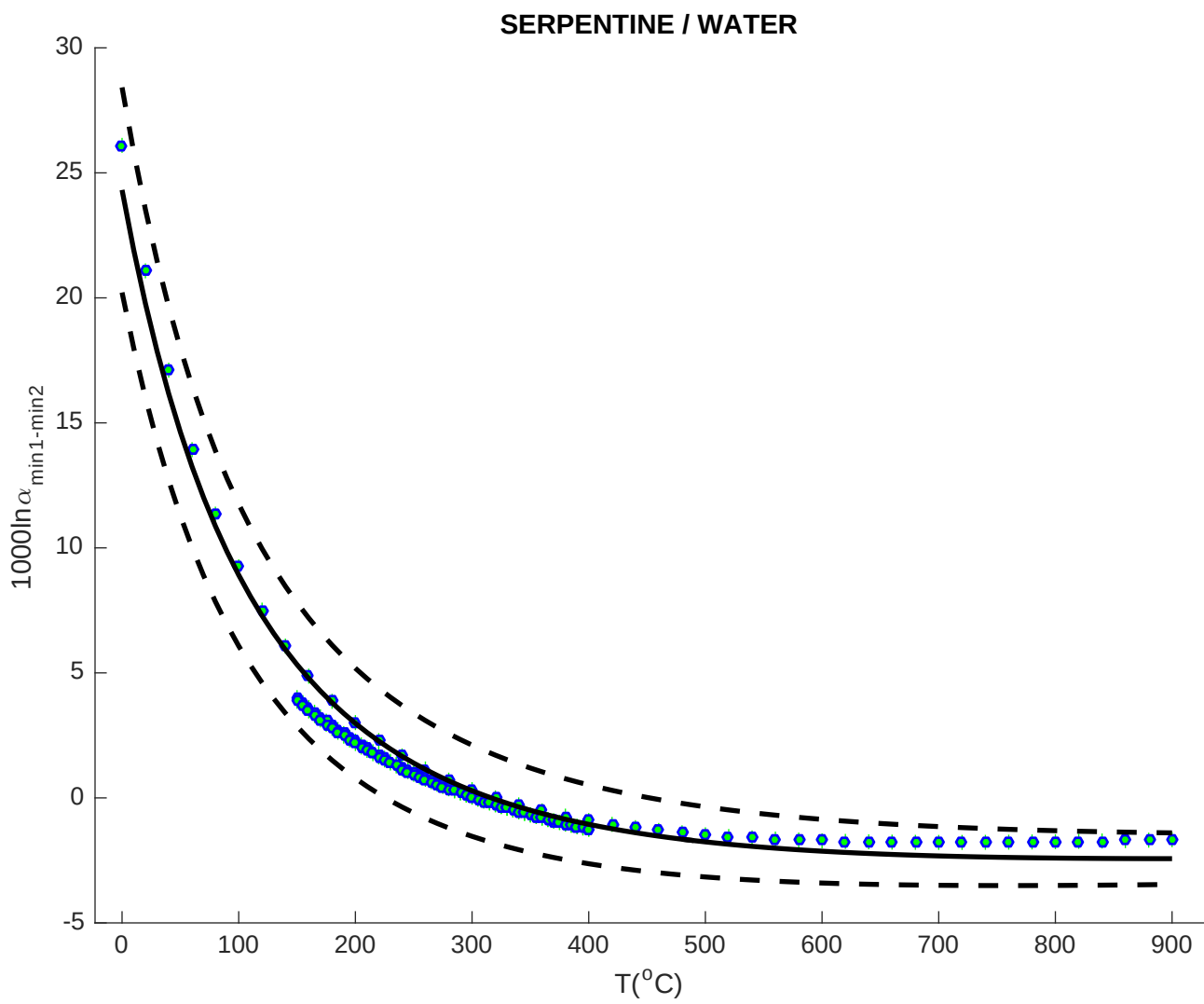


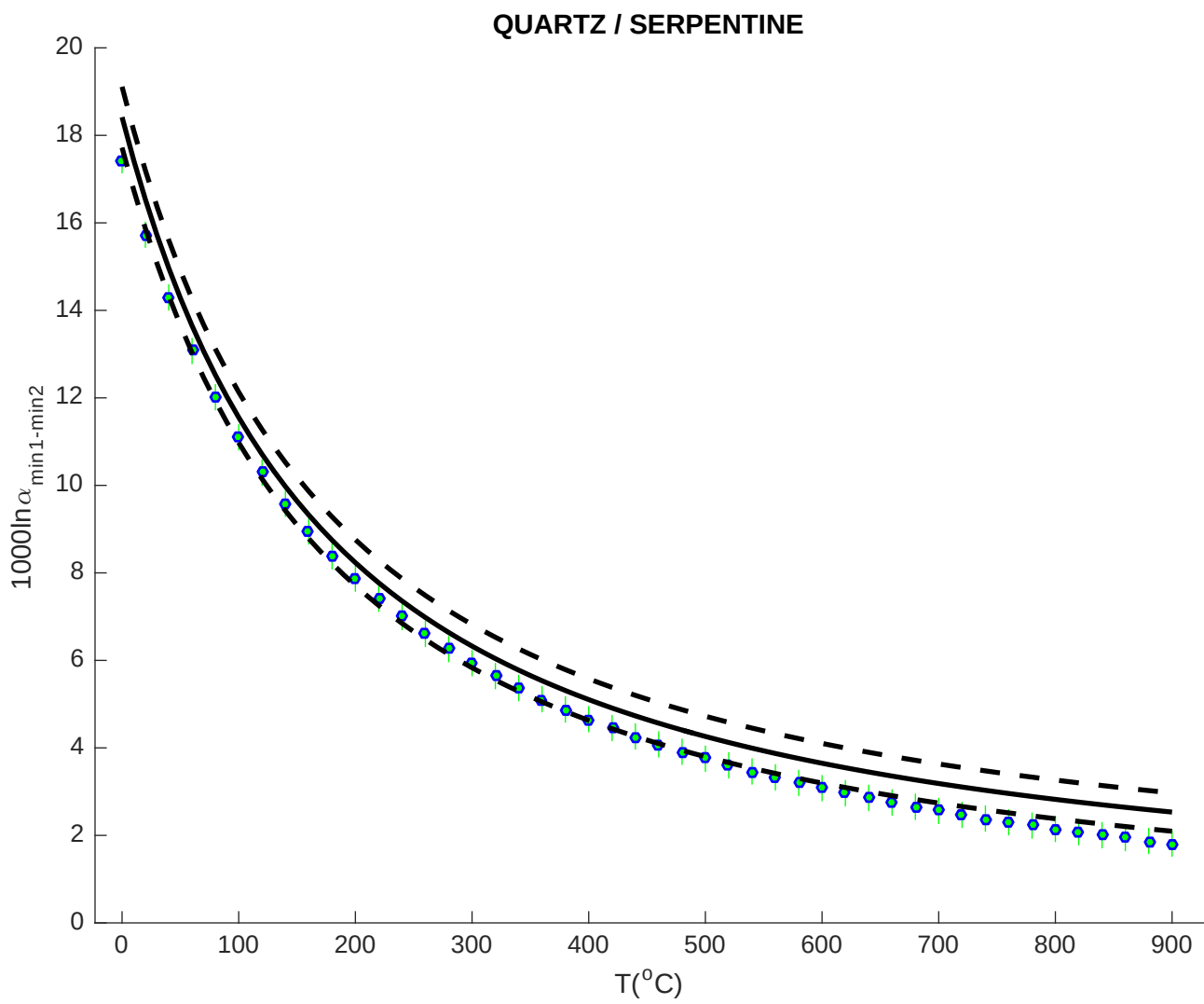
QUARTZ / LIZARDITE



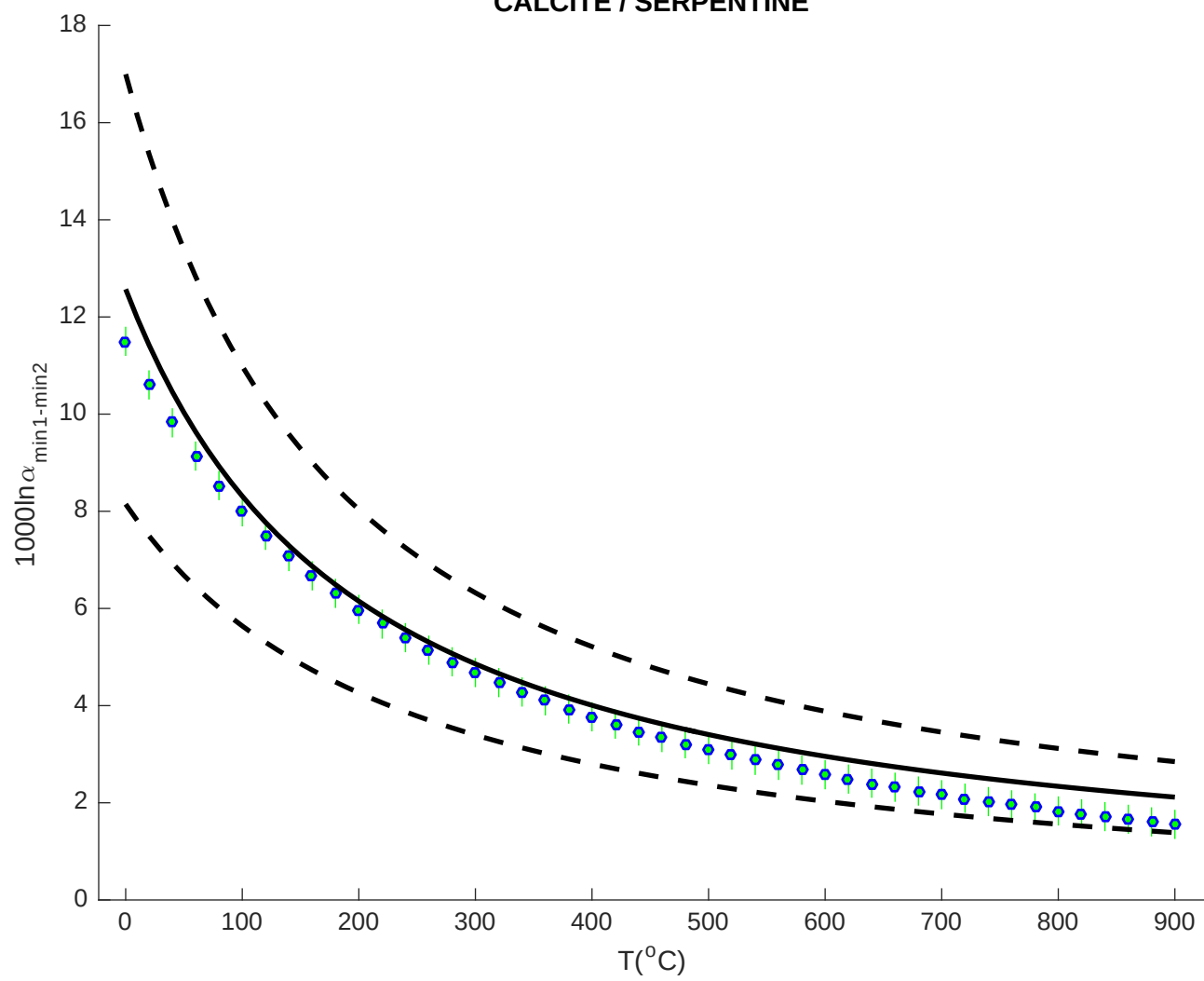


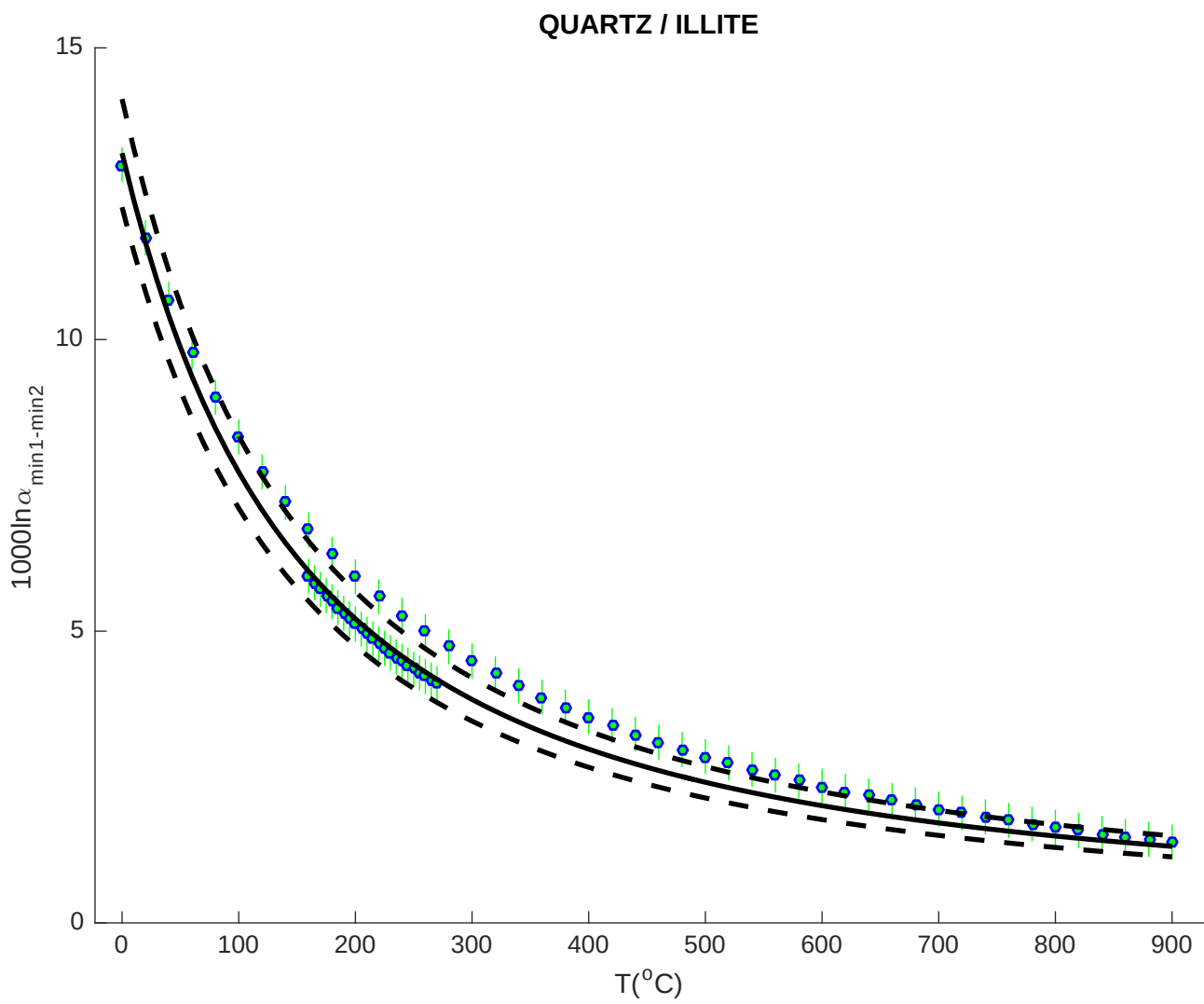


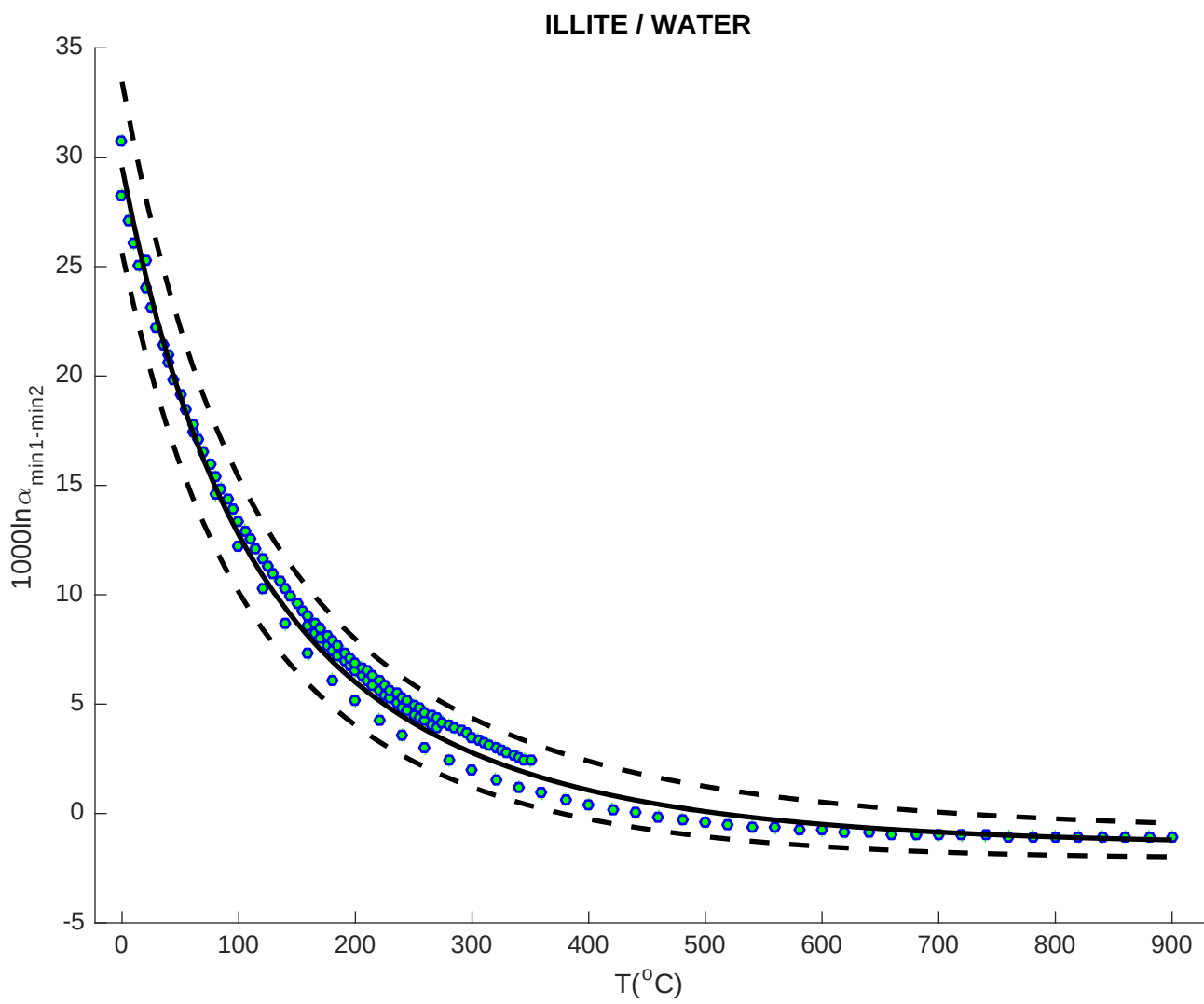


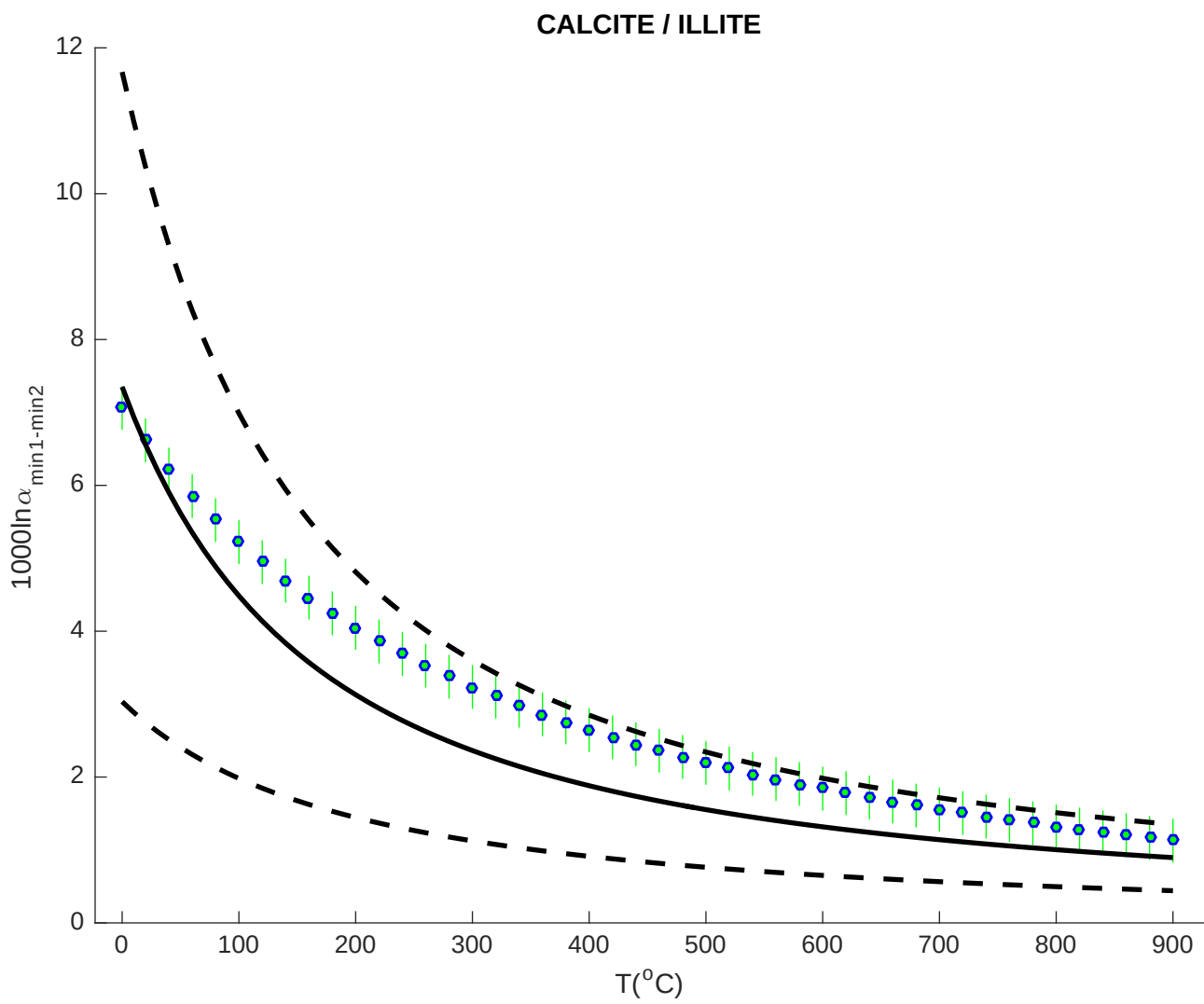


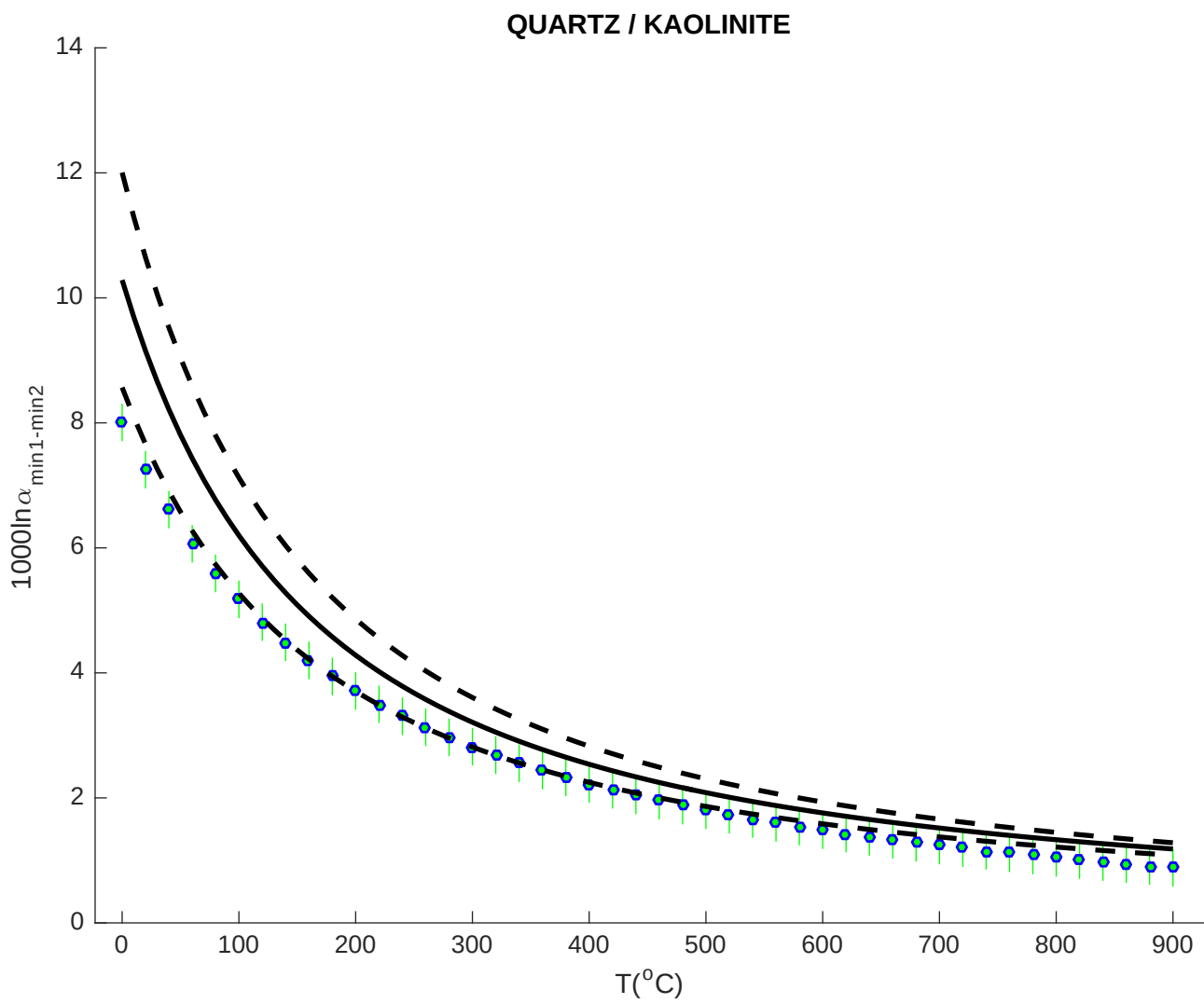
CALCITE / SERPENTINE

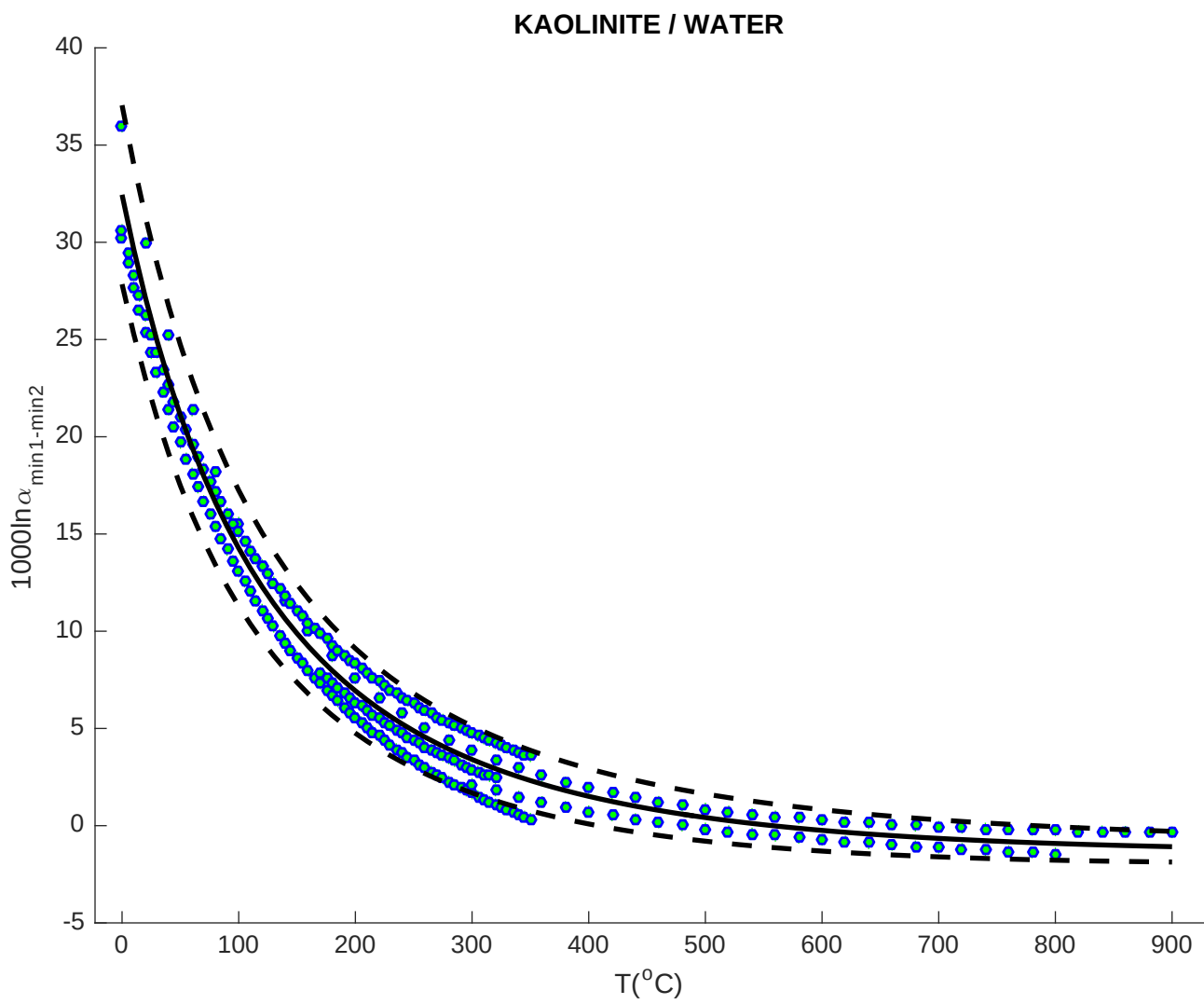


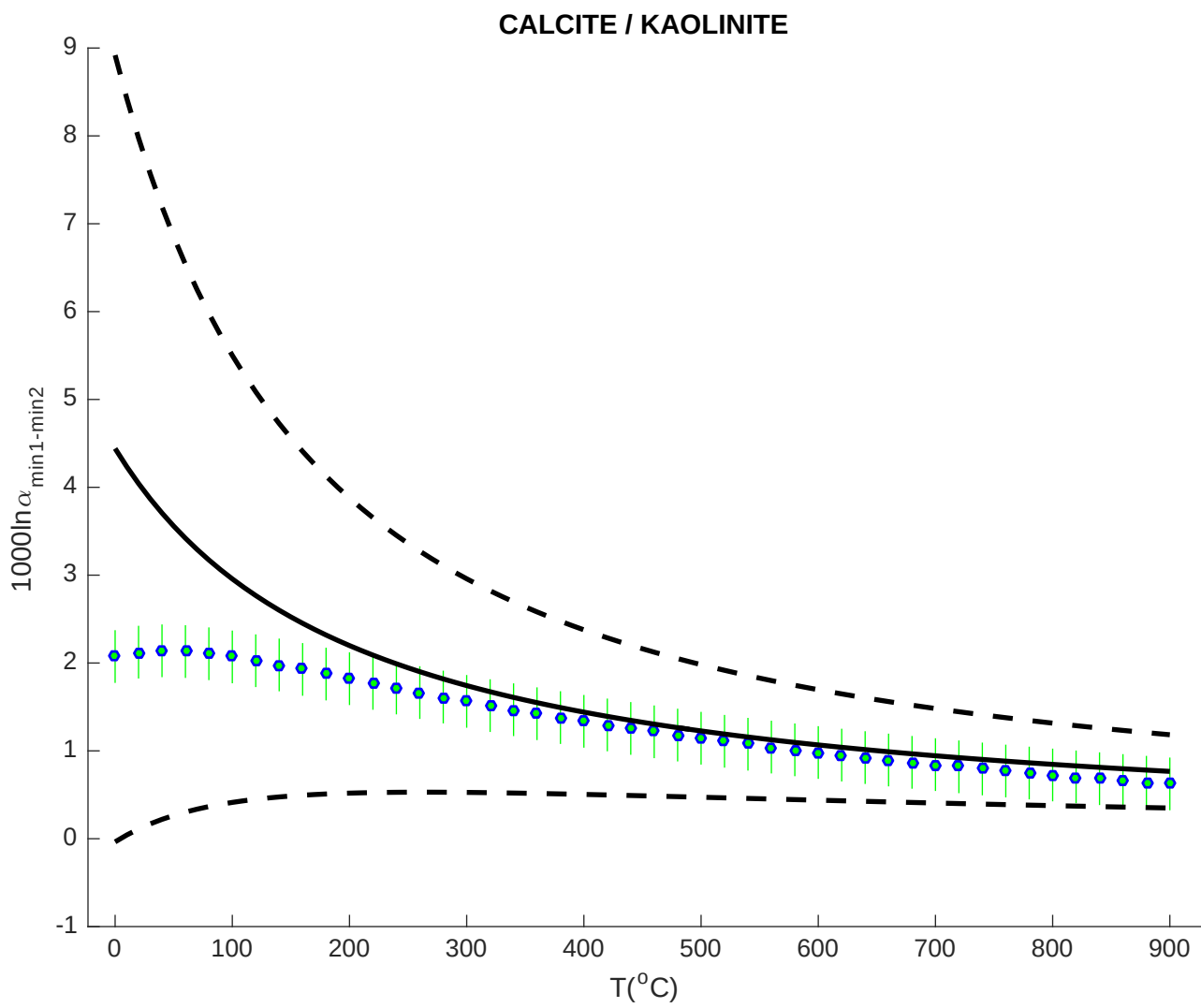




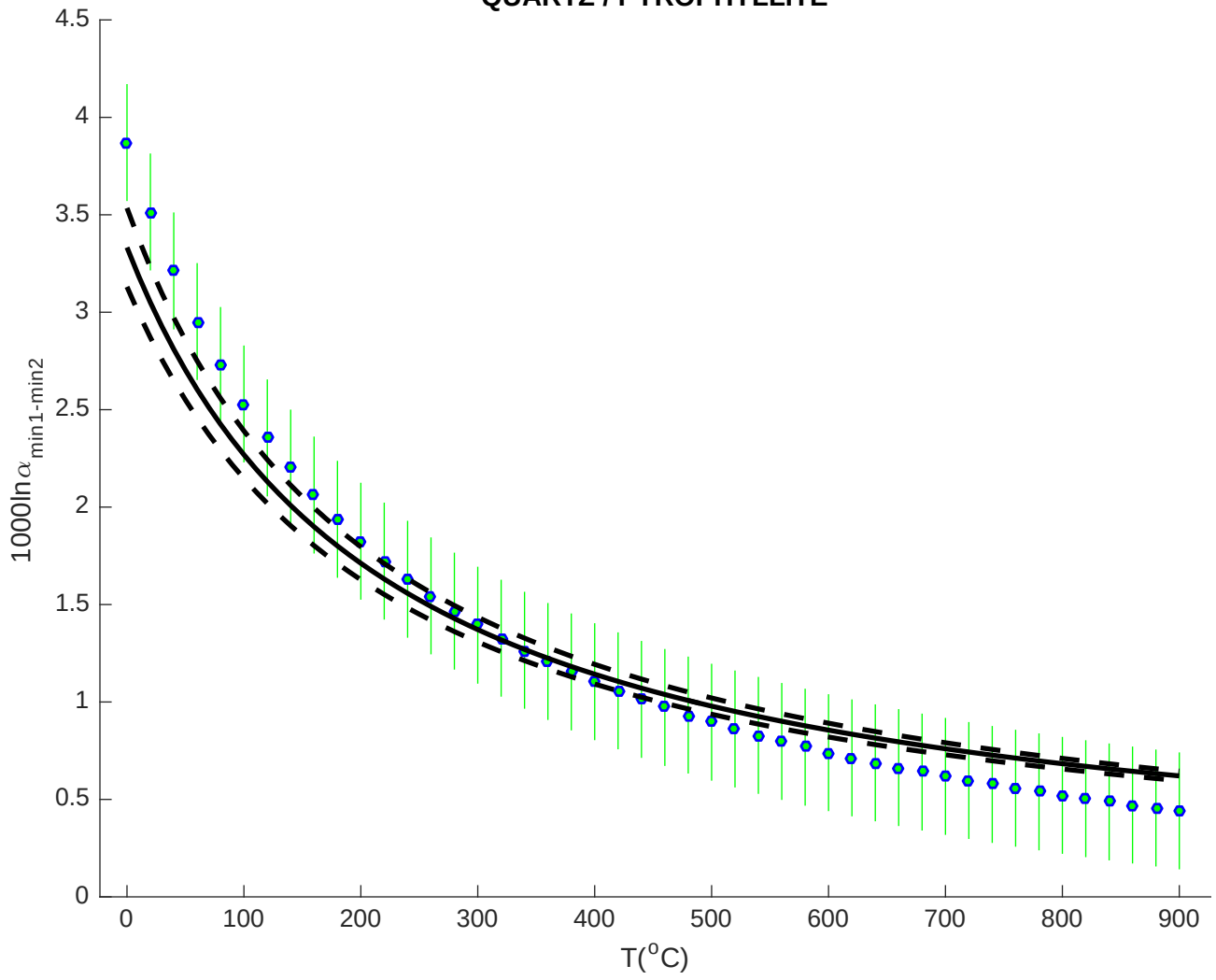


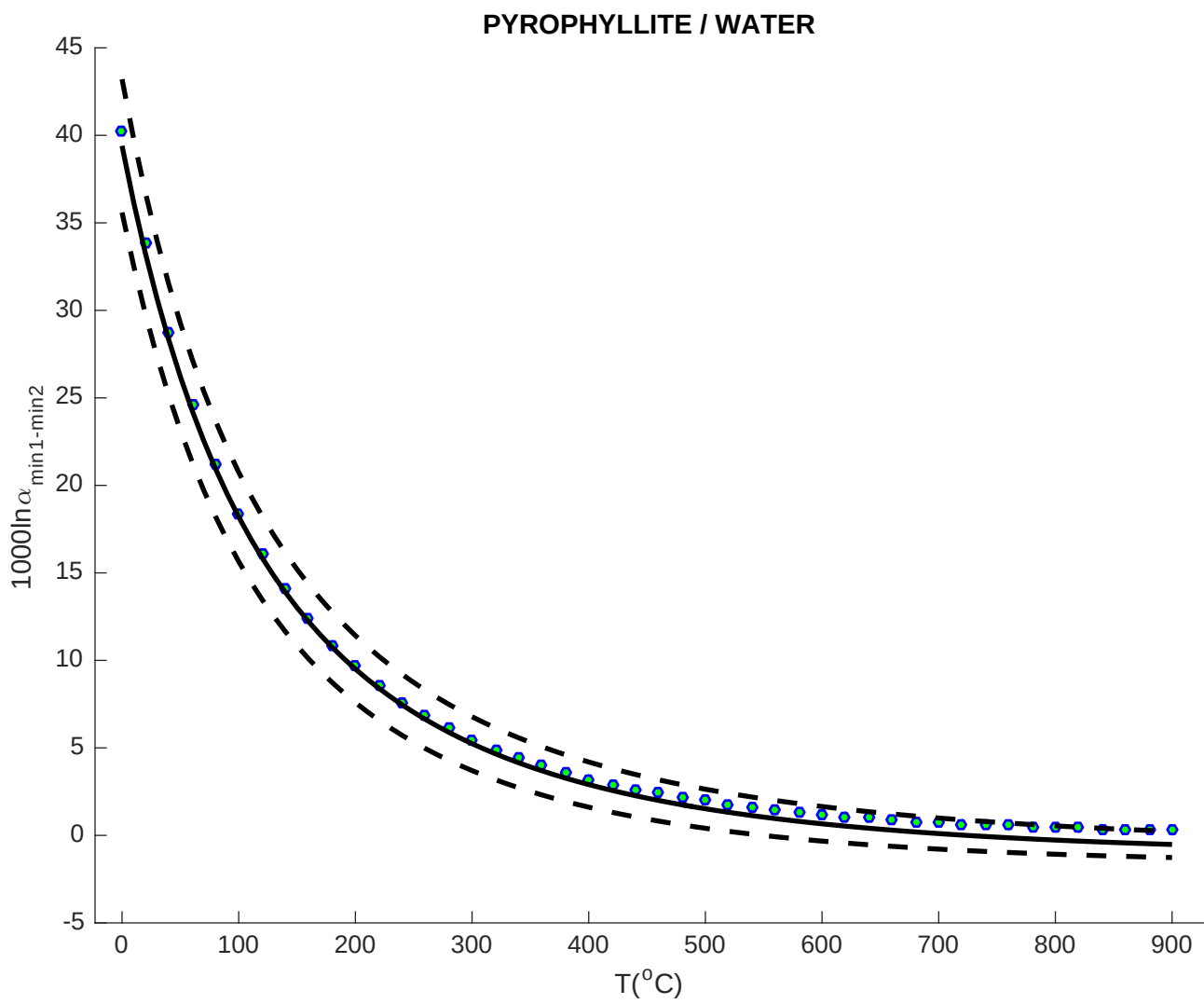


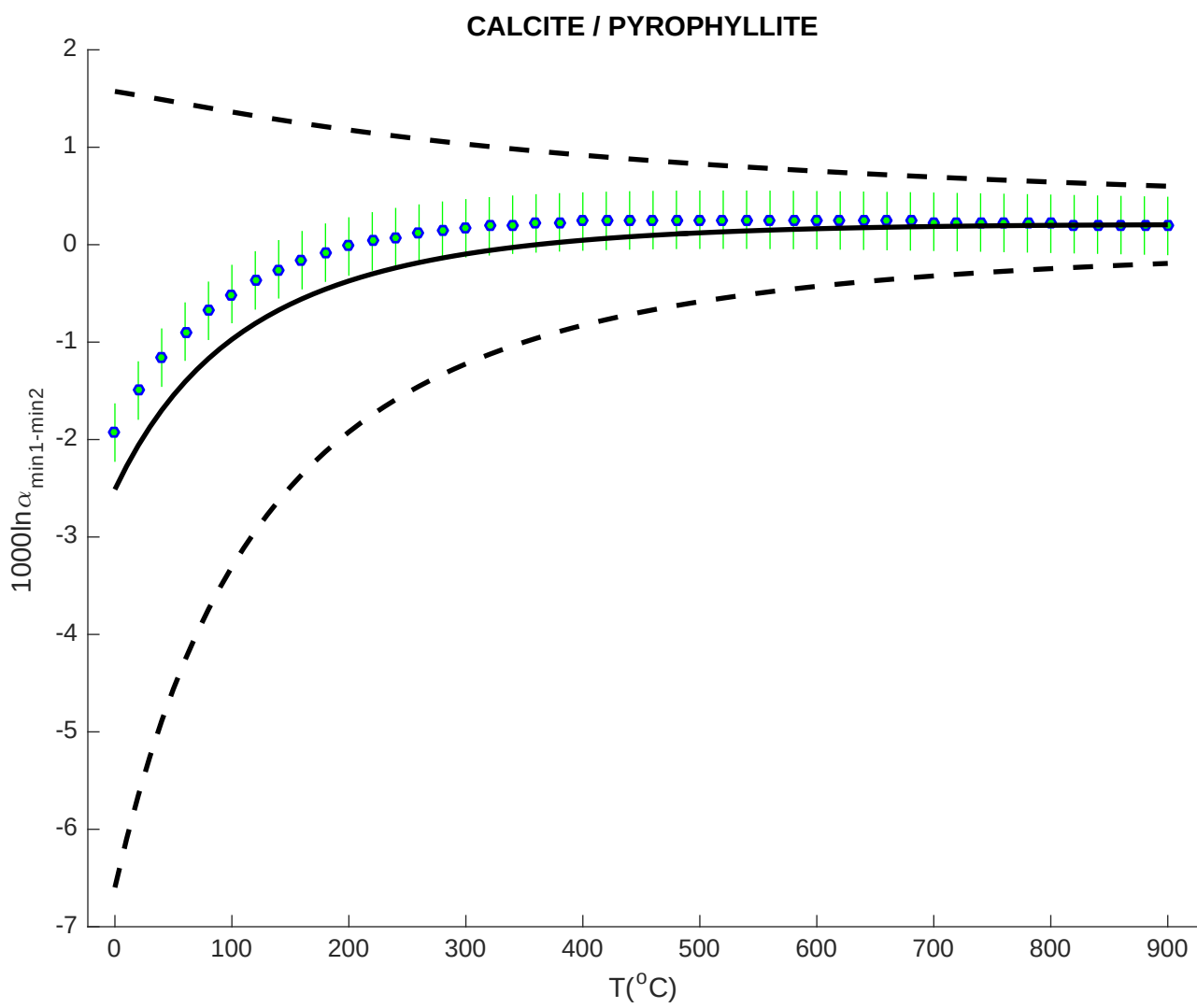


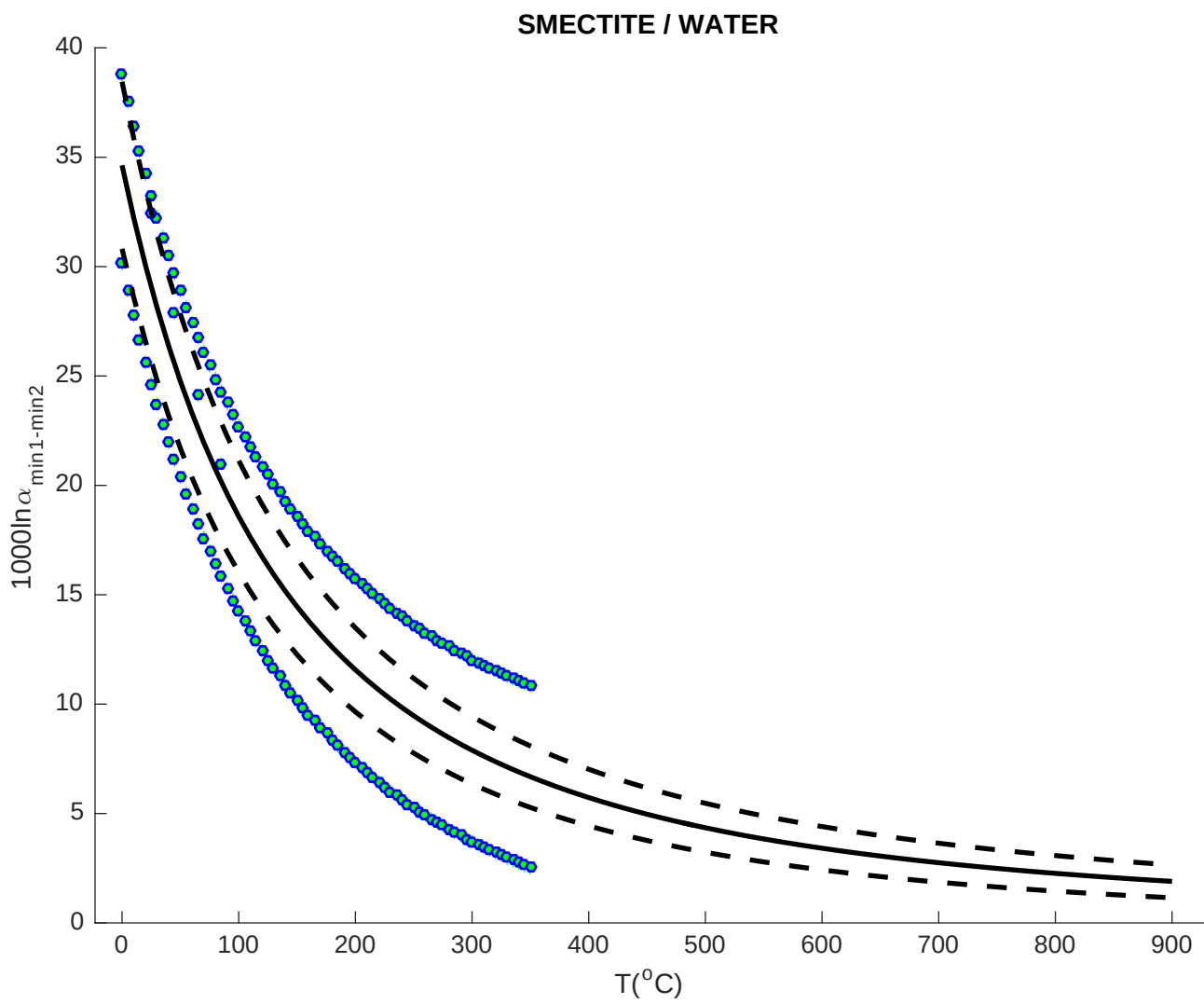


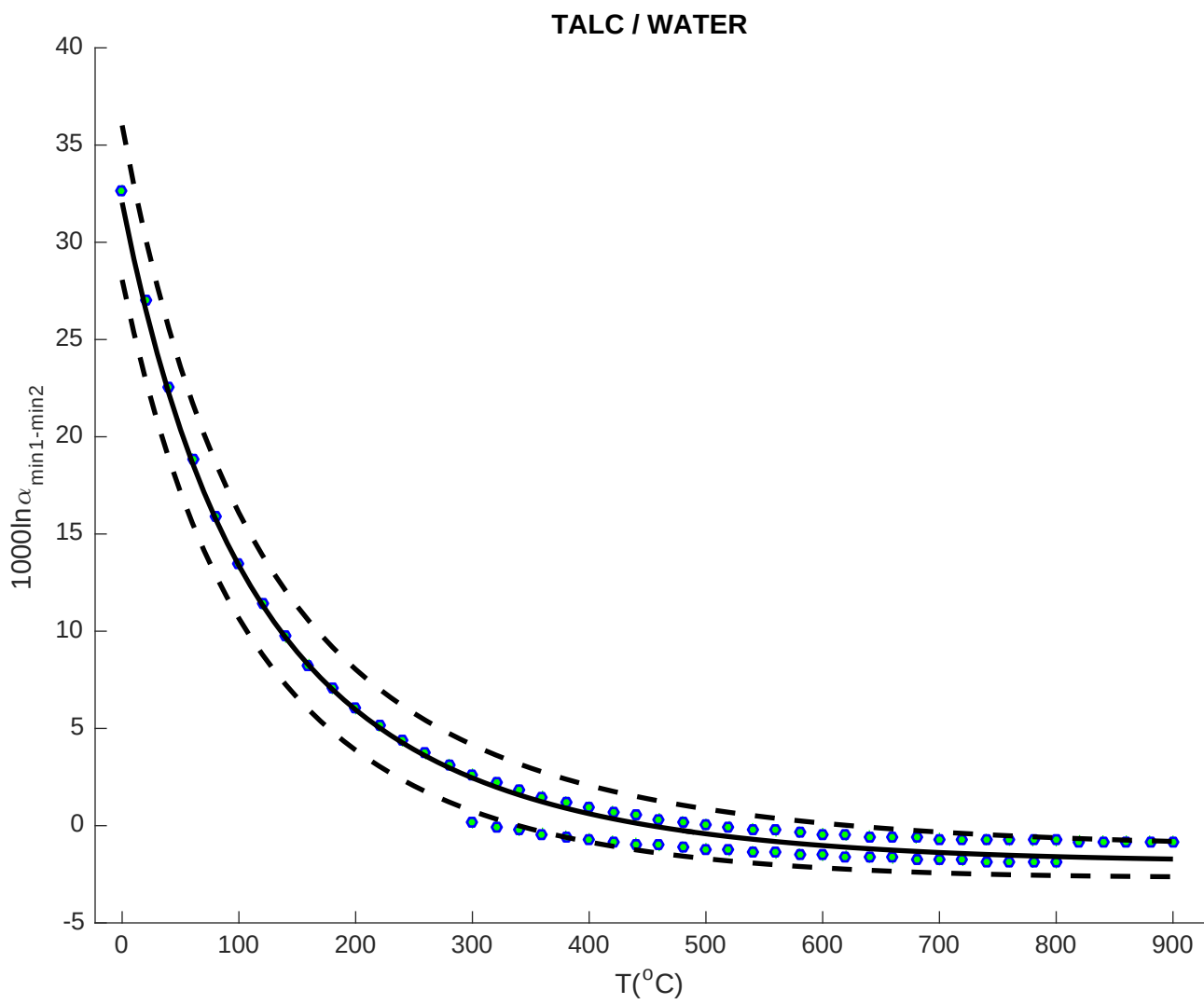
QUARTZ / PYROPHYLLITE

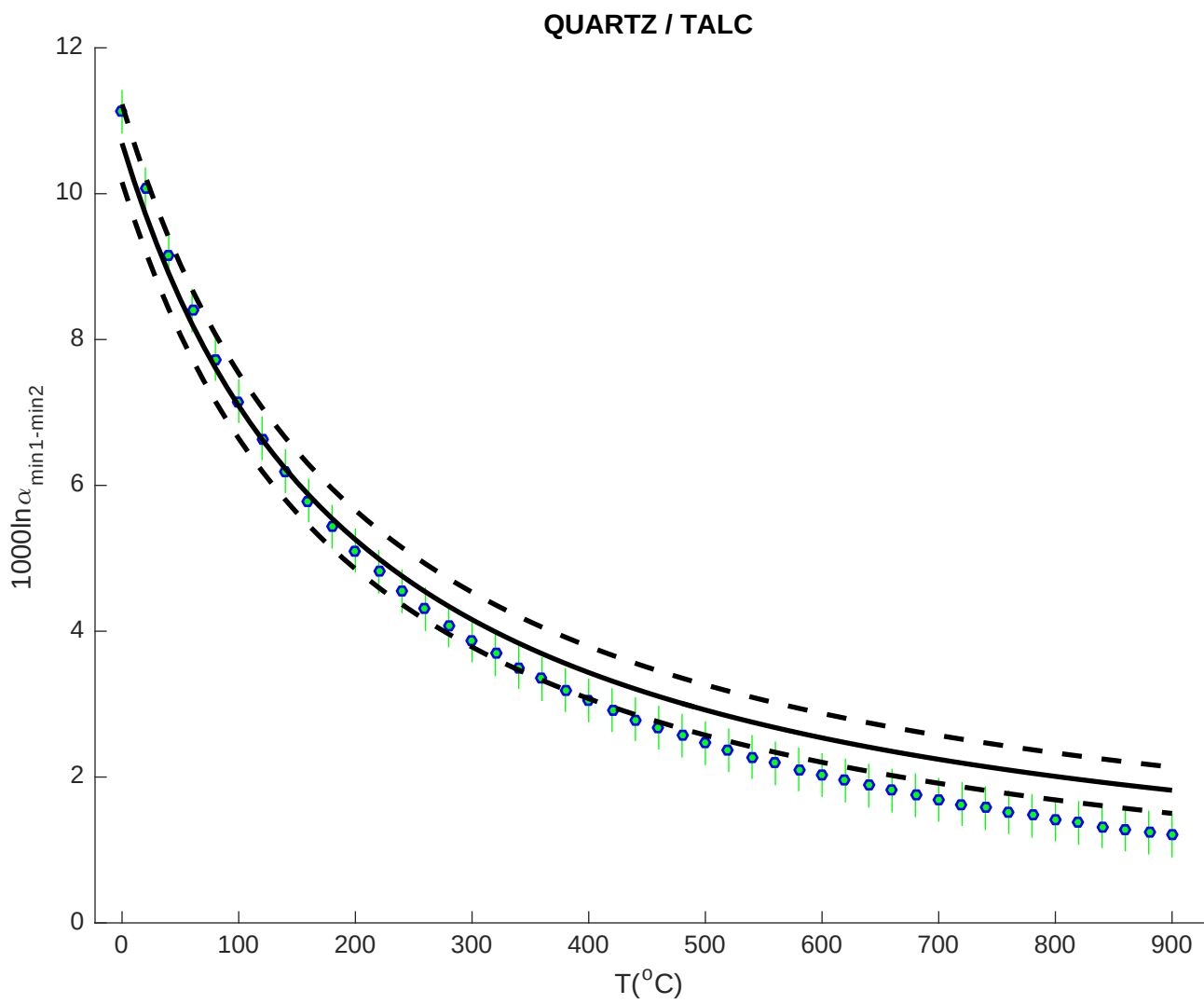


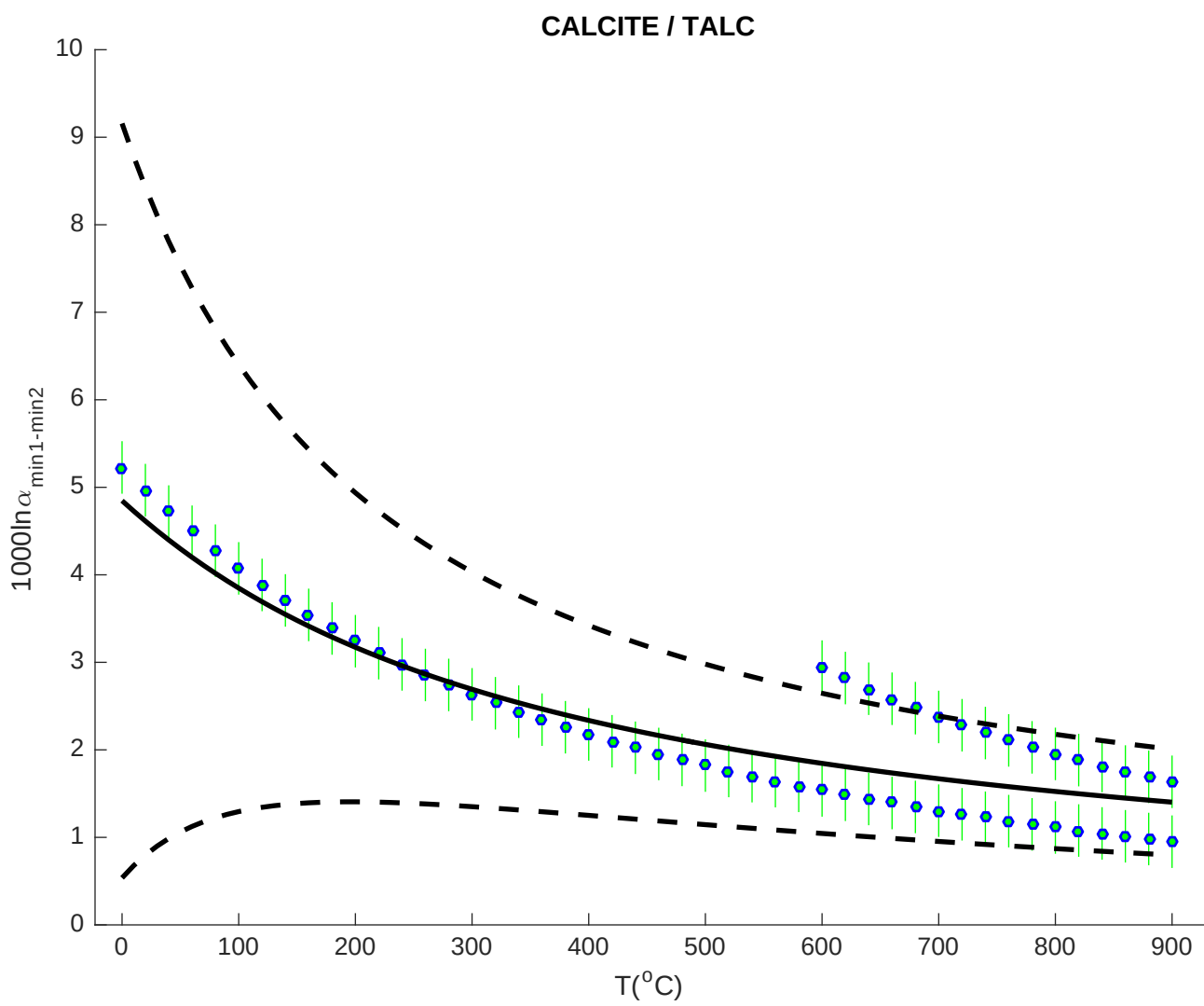


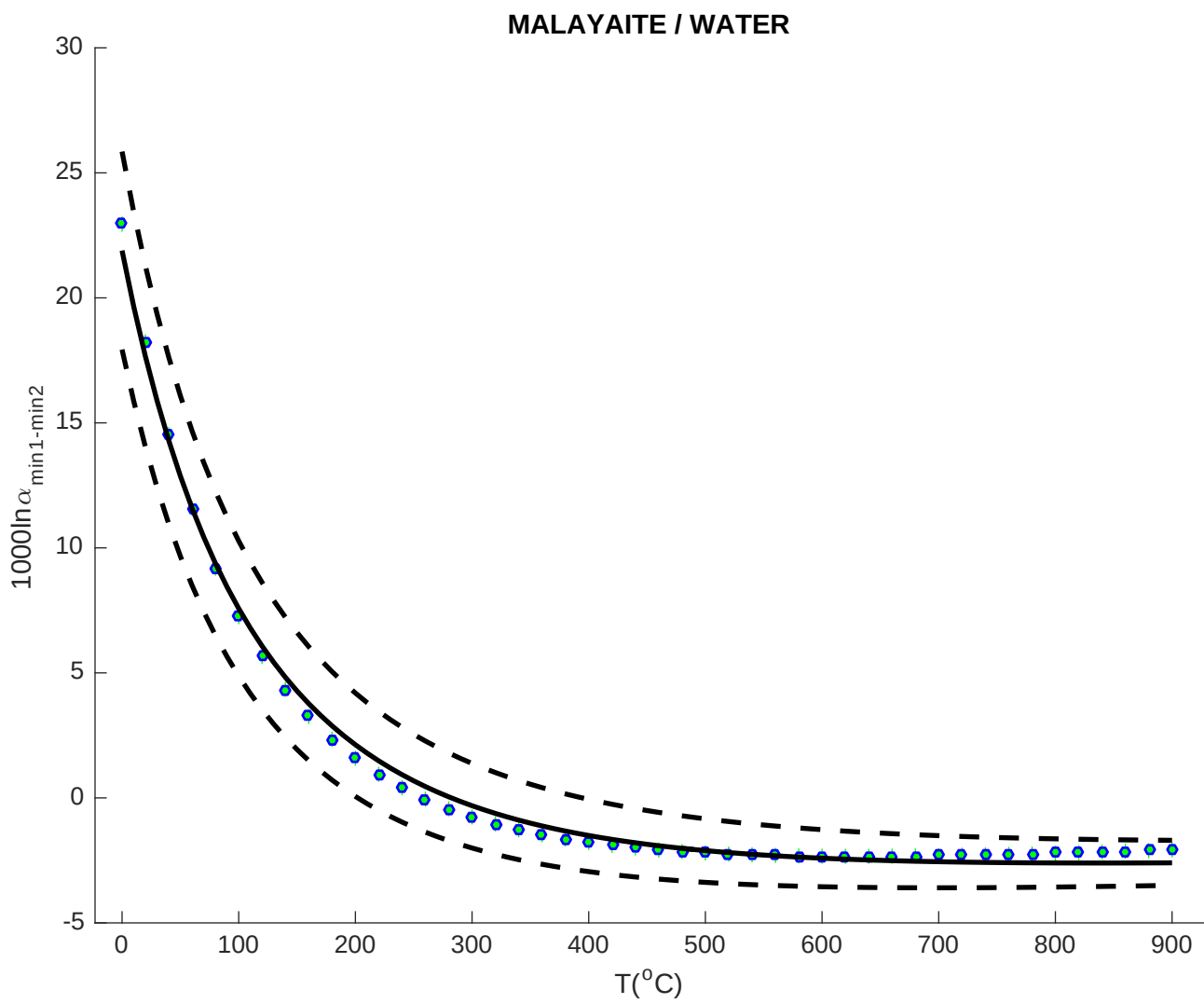


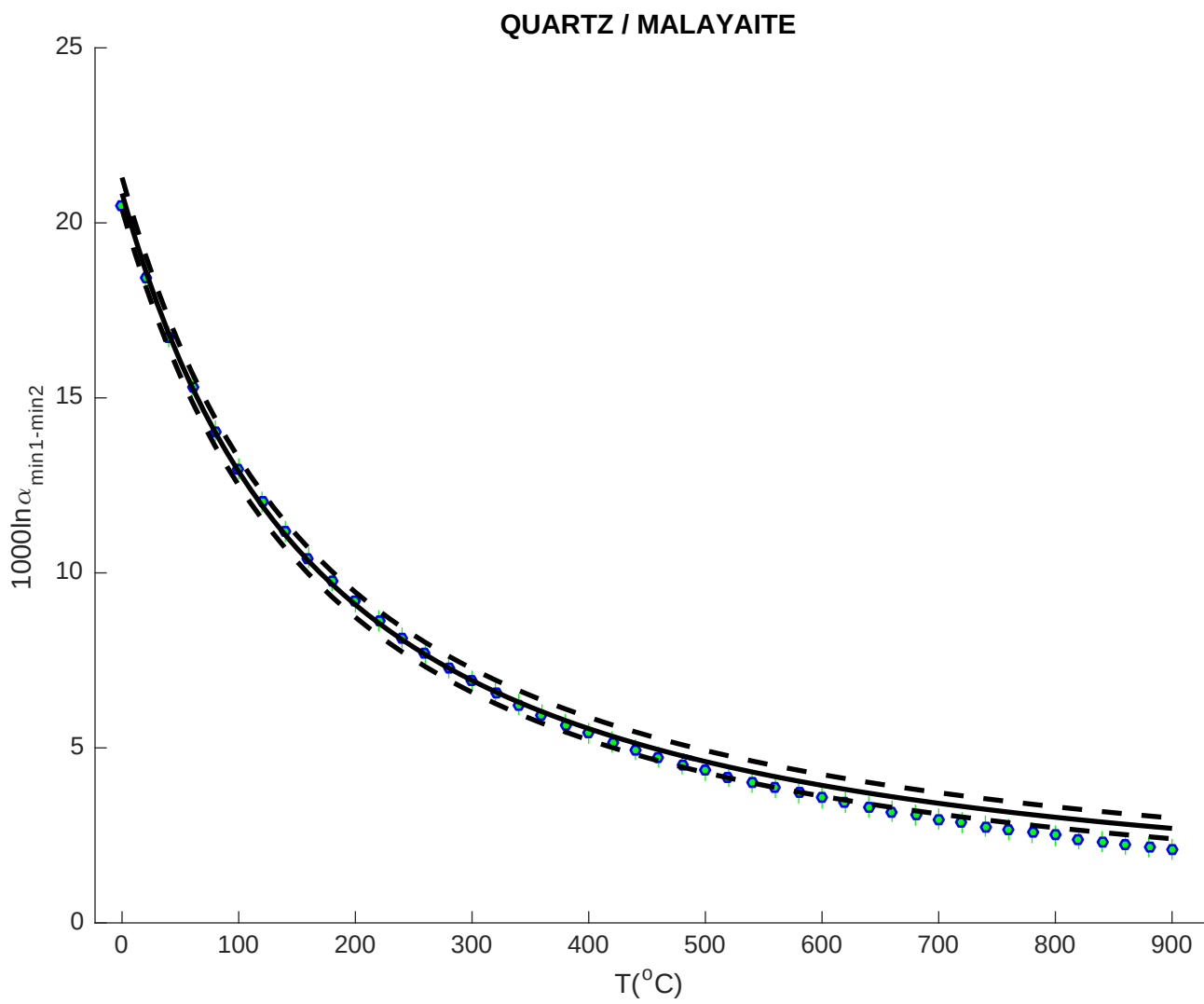


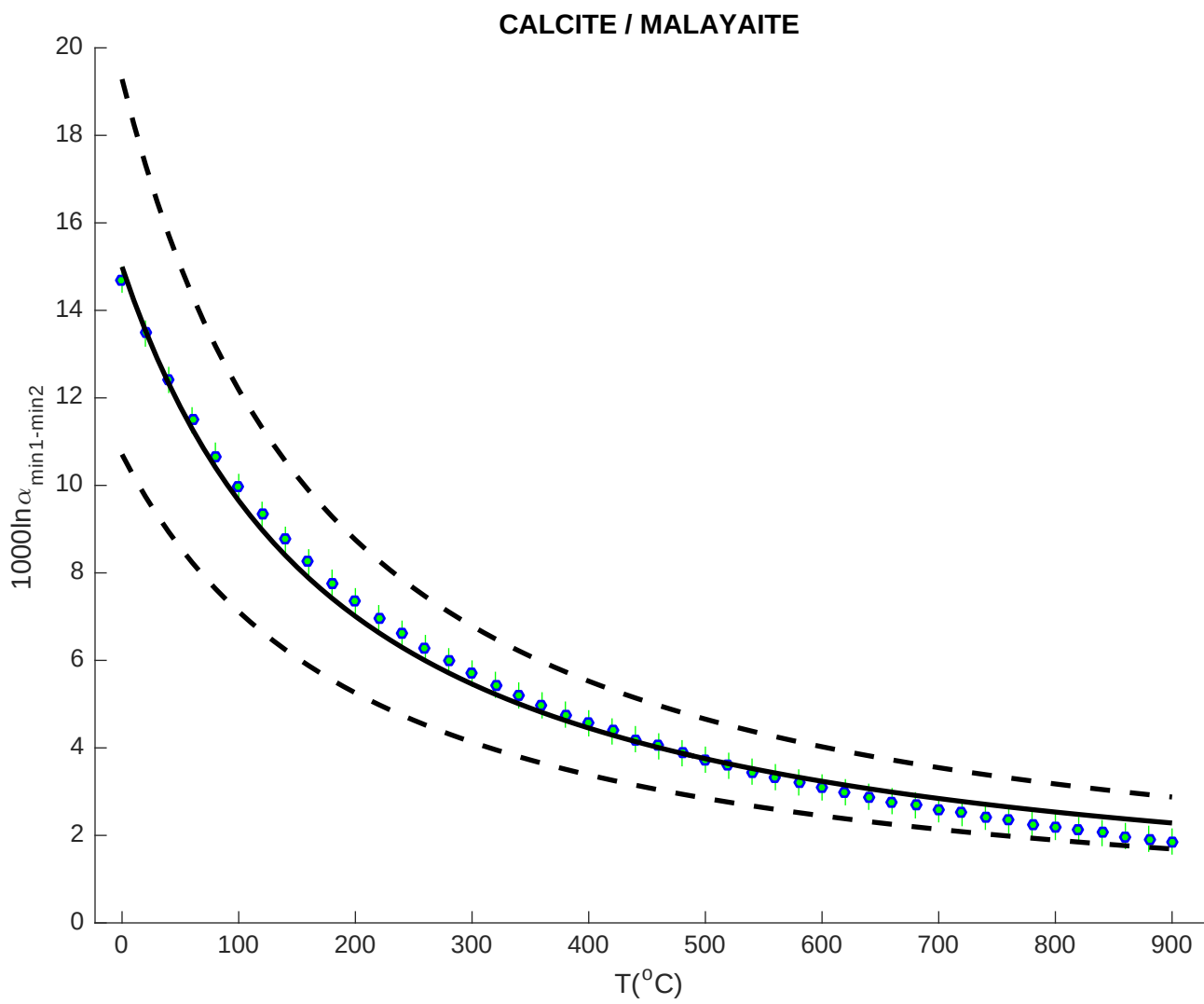


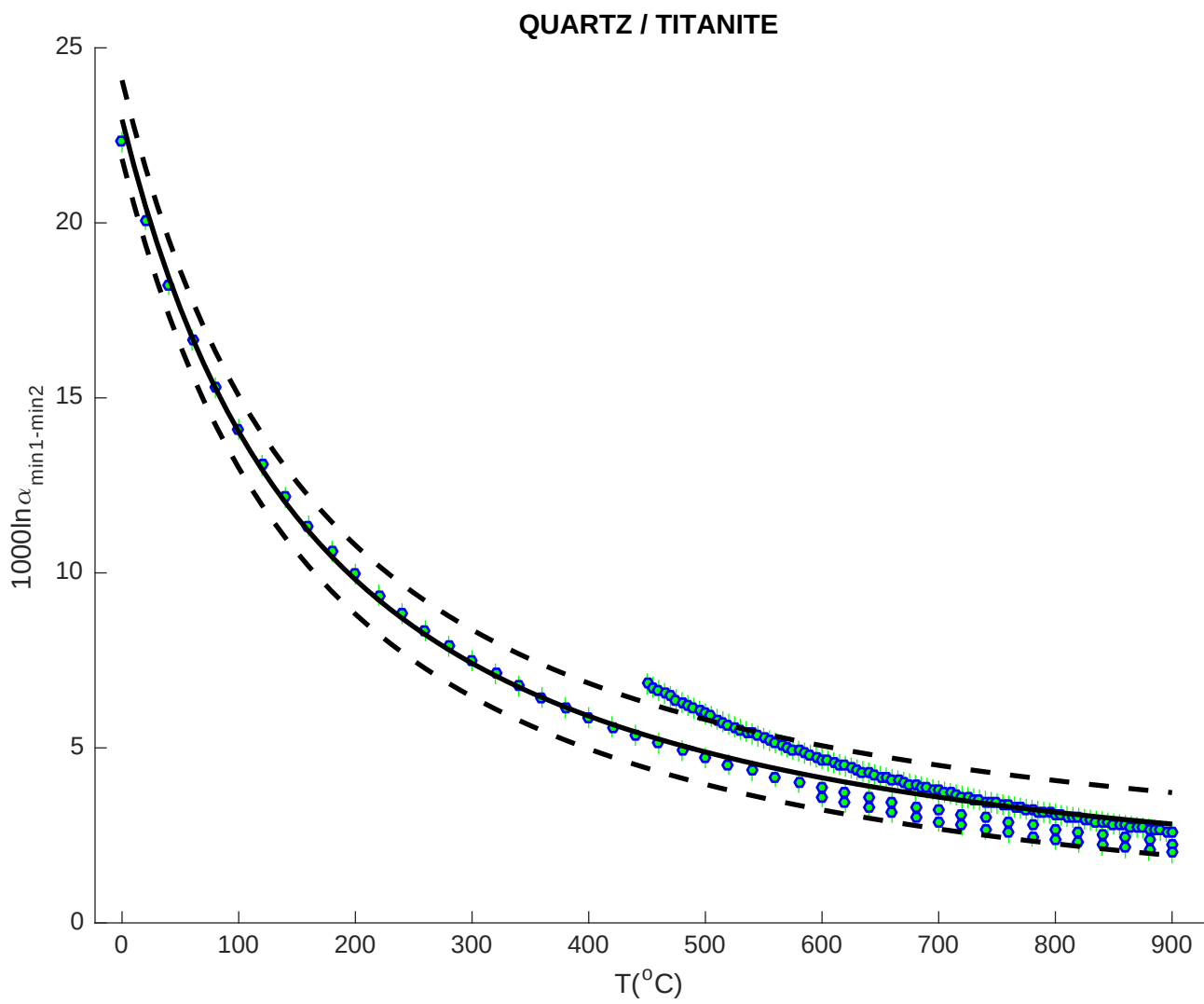


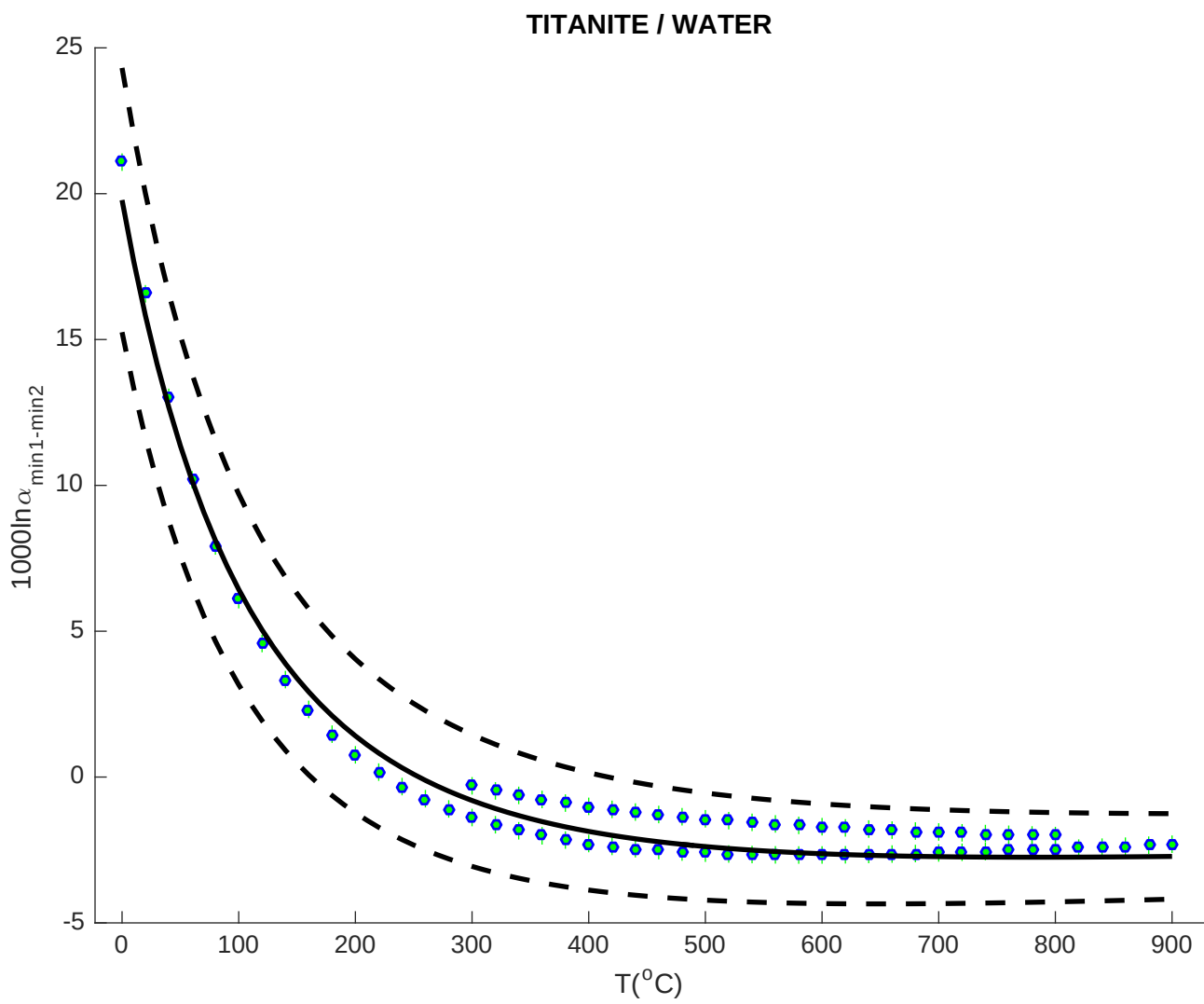


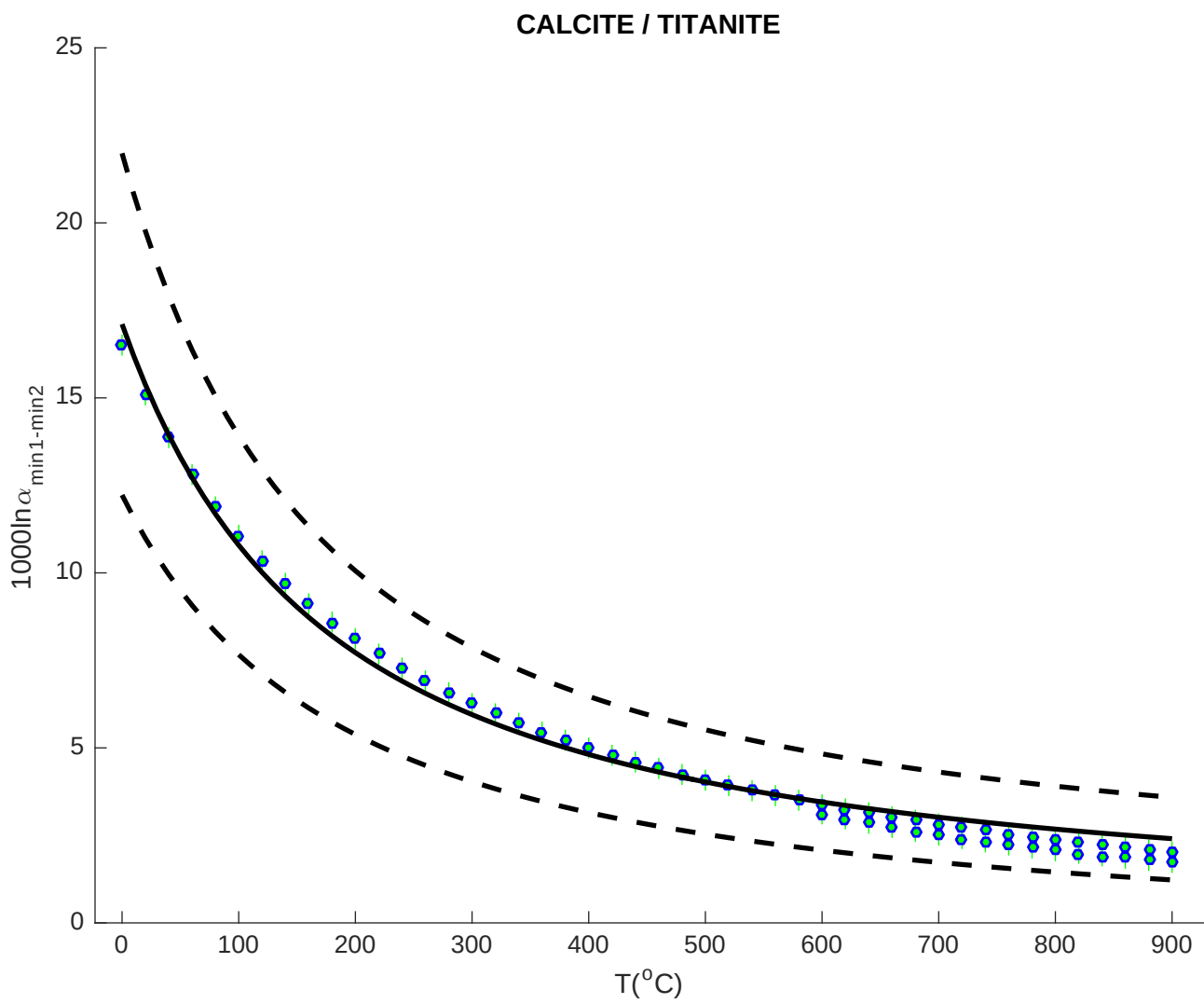


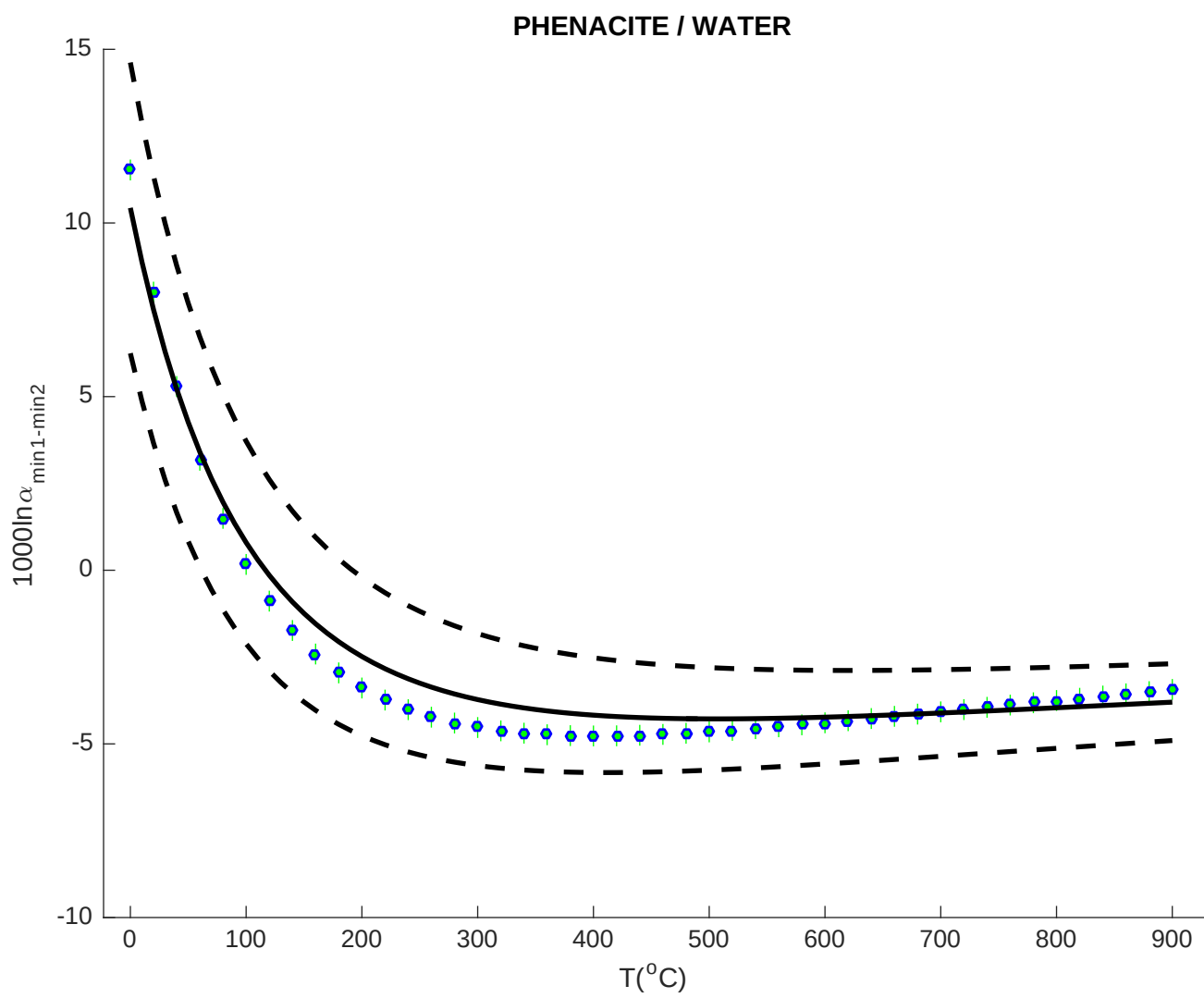


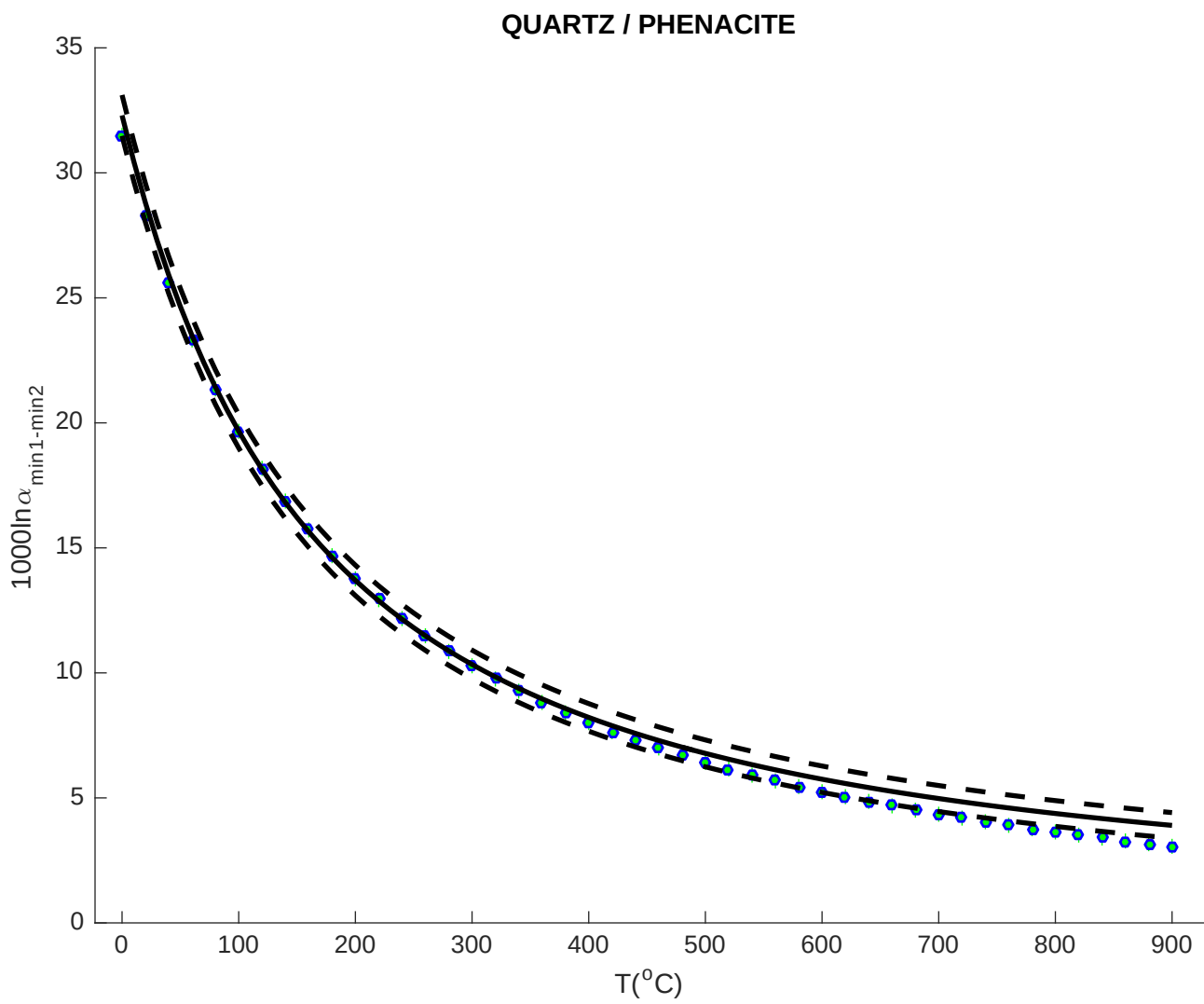




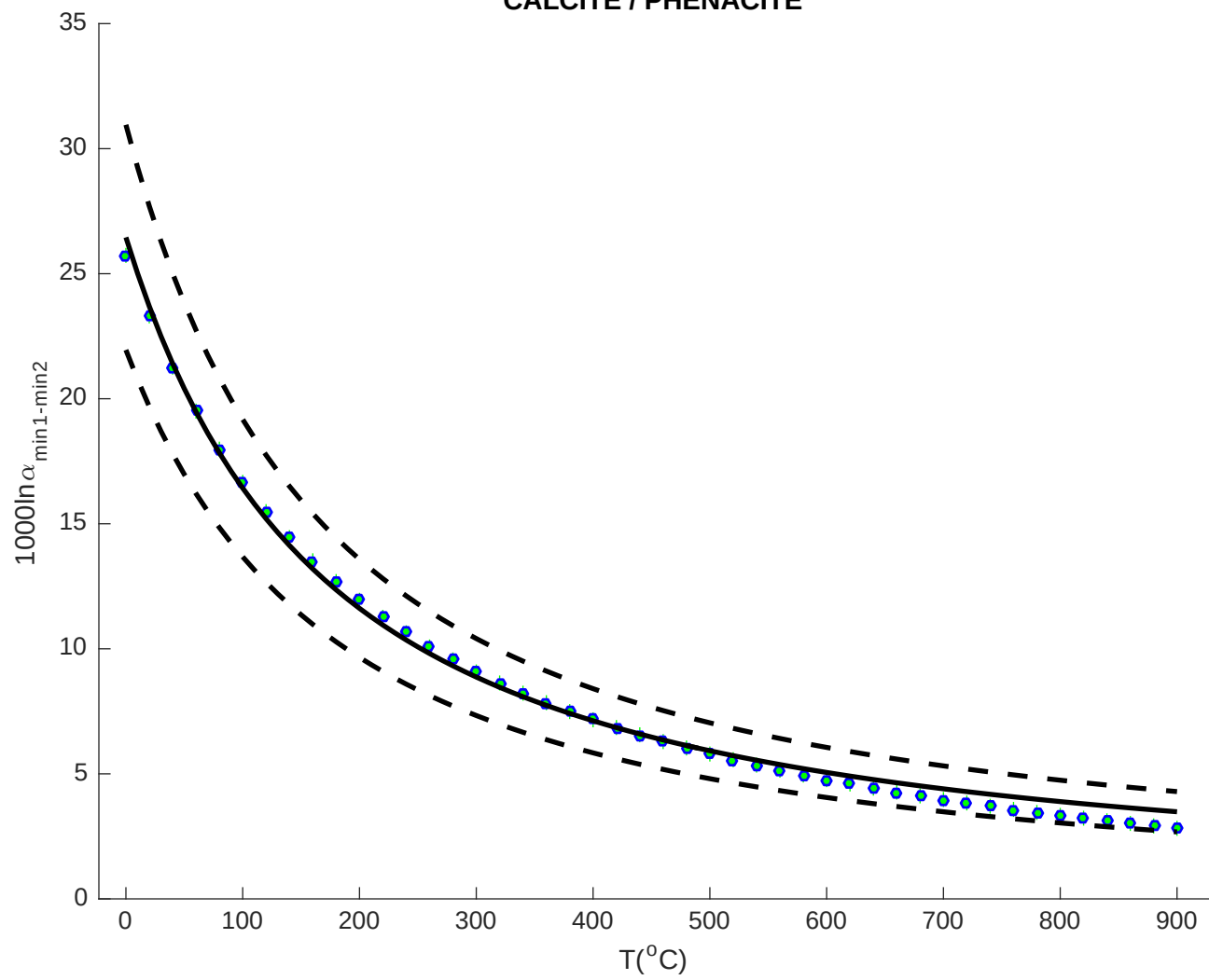


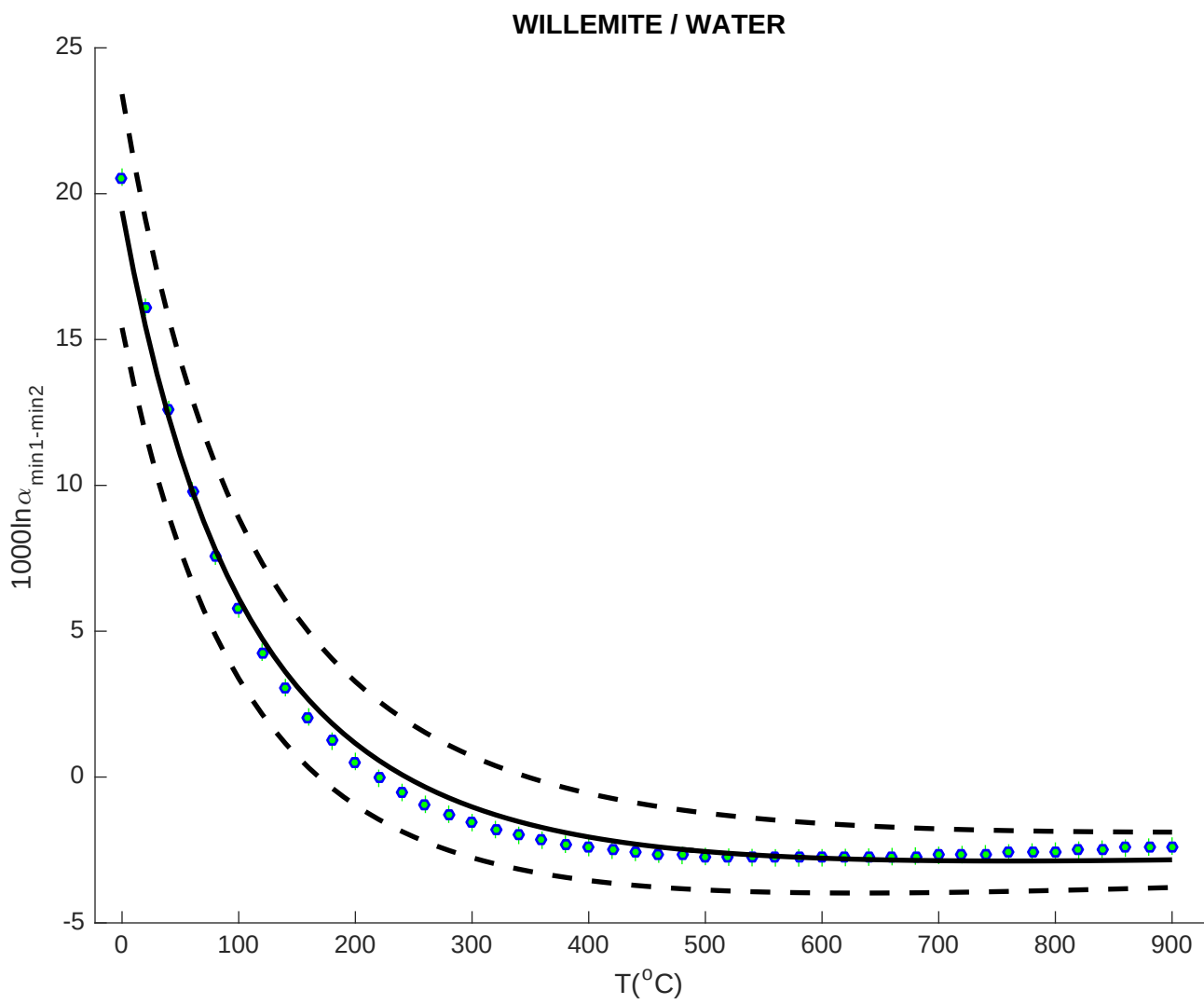


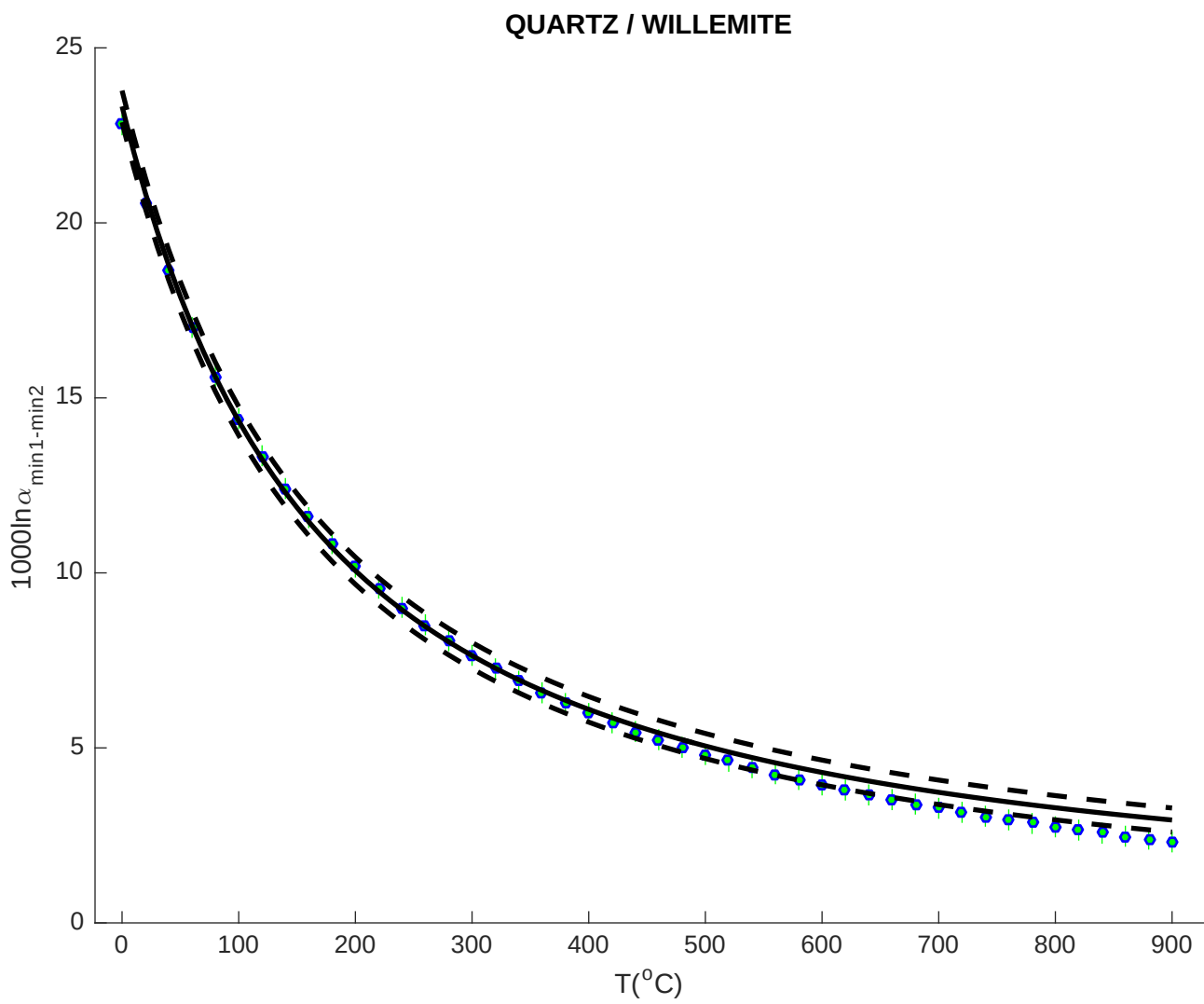


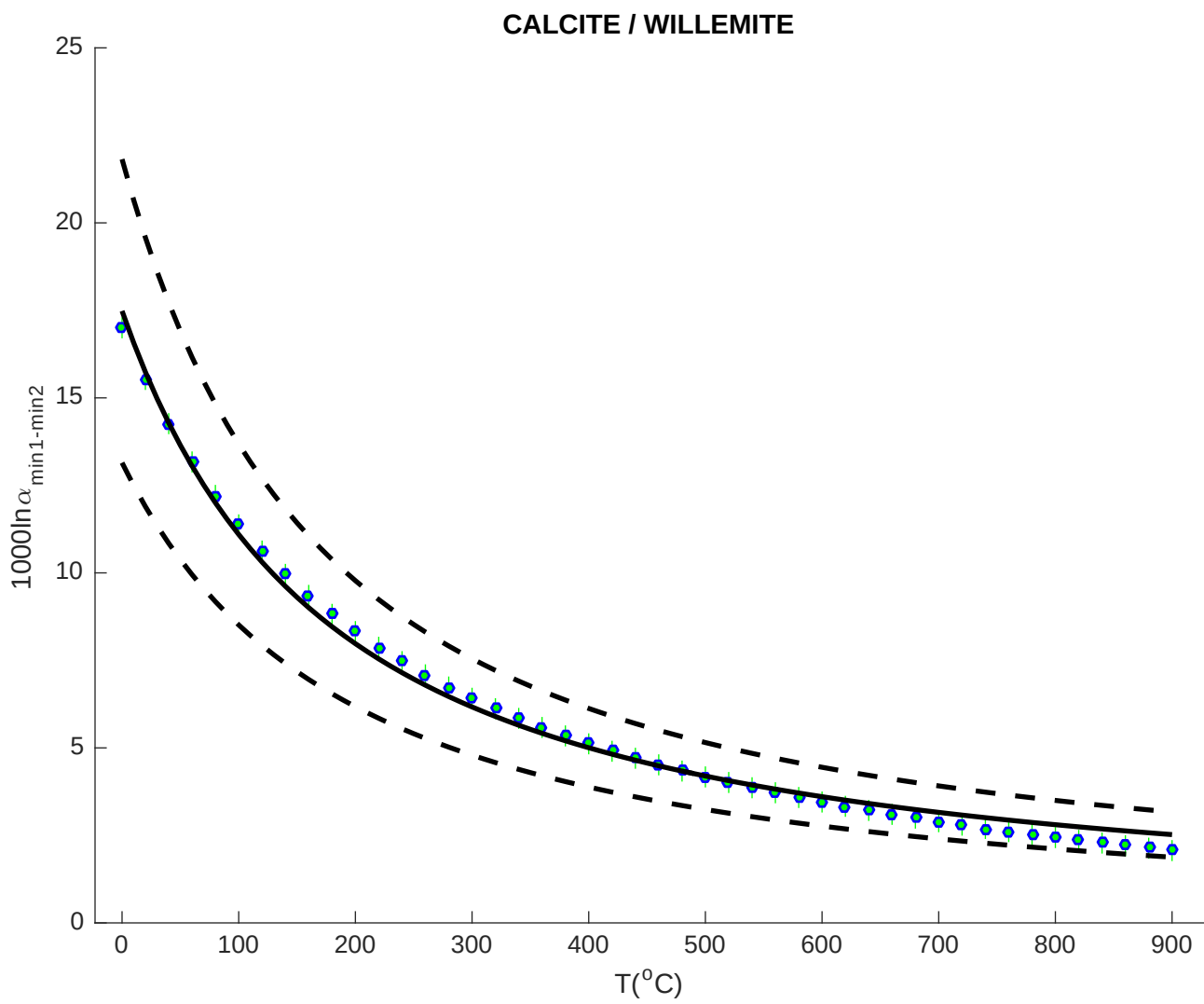


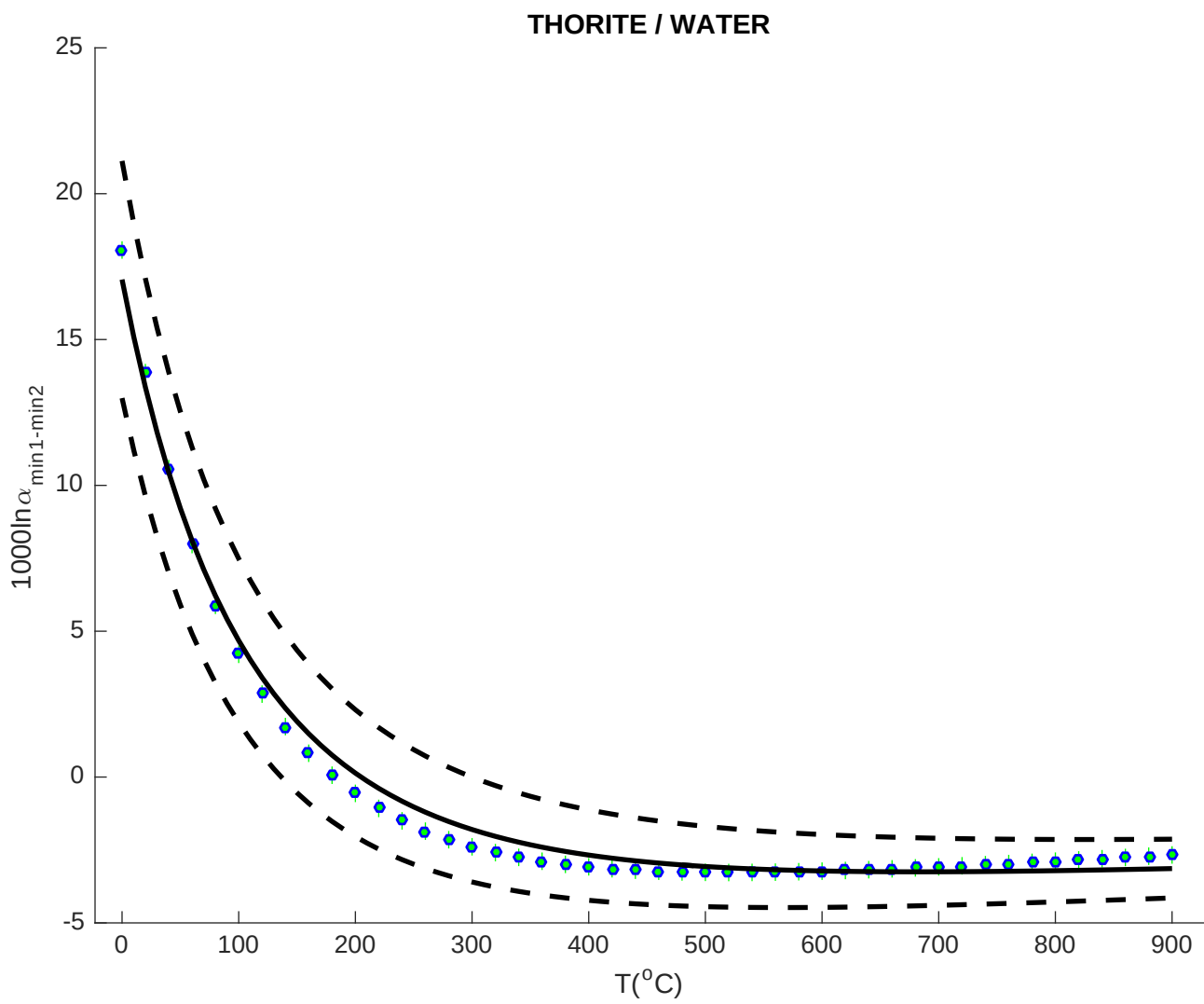
CALCITE / PHENACITE

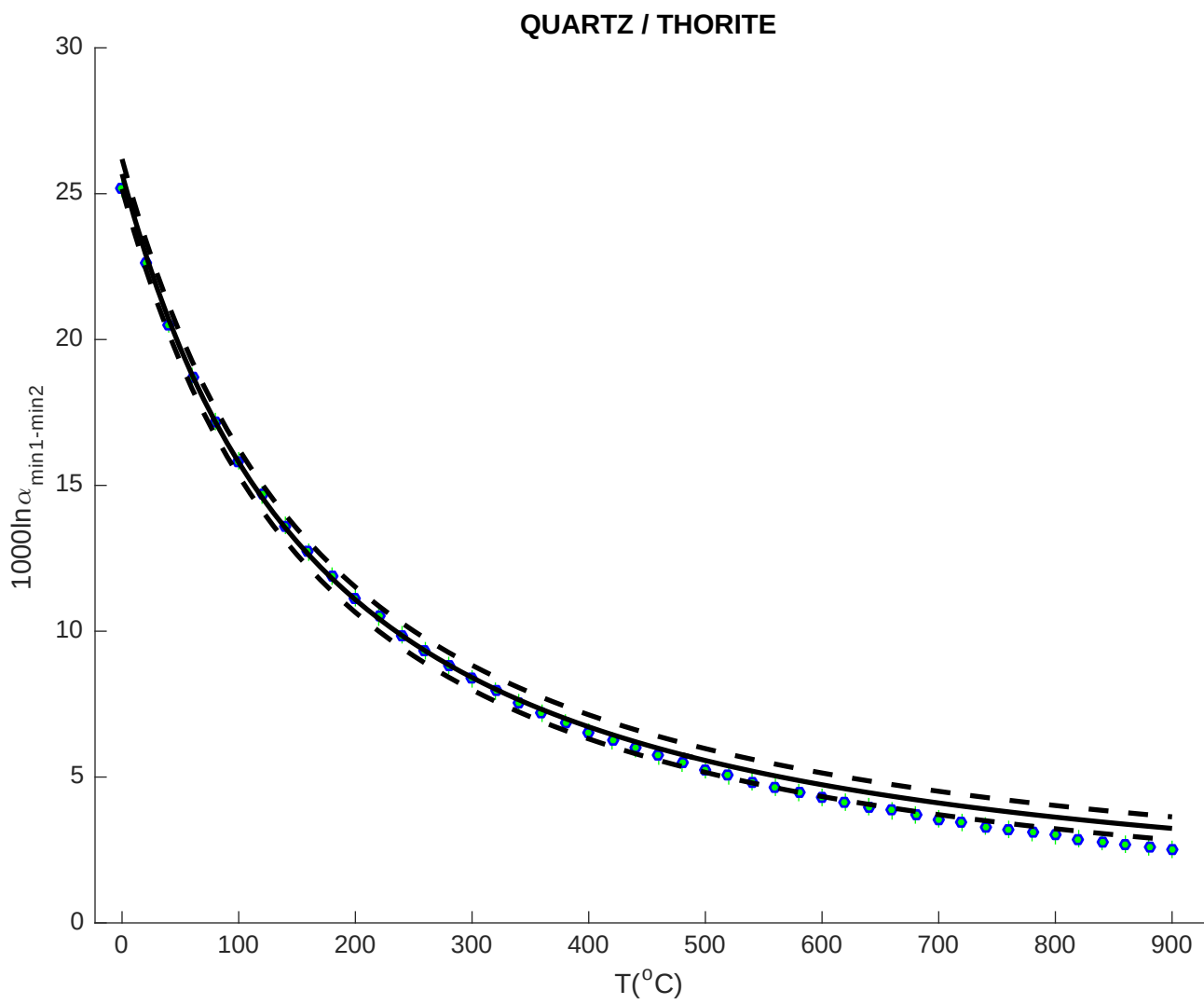


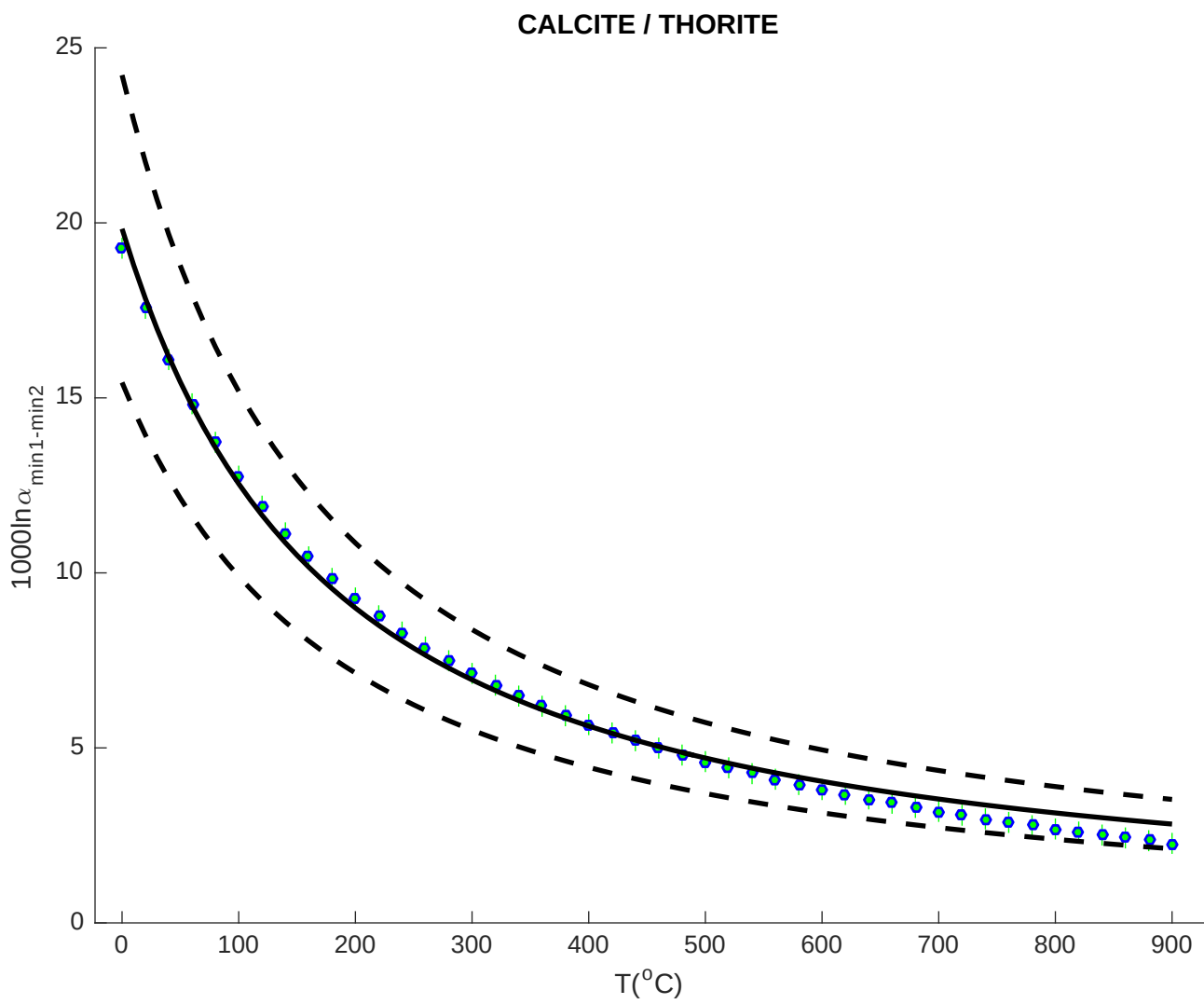


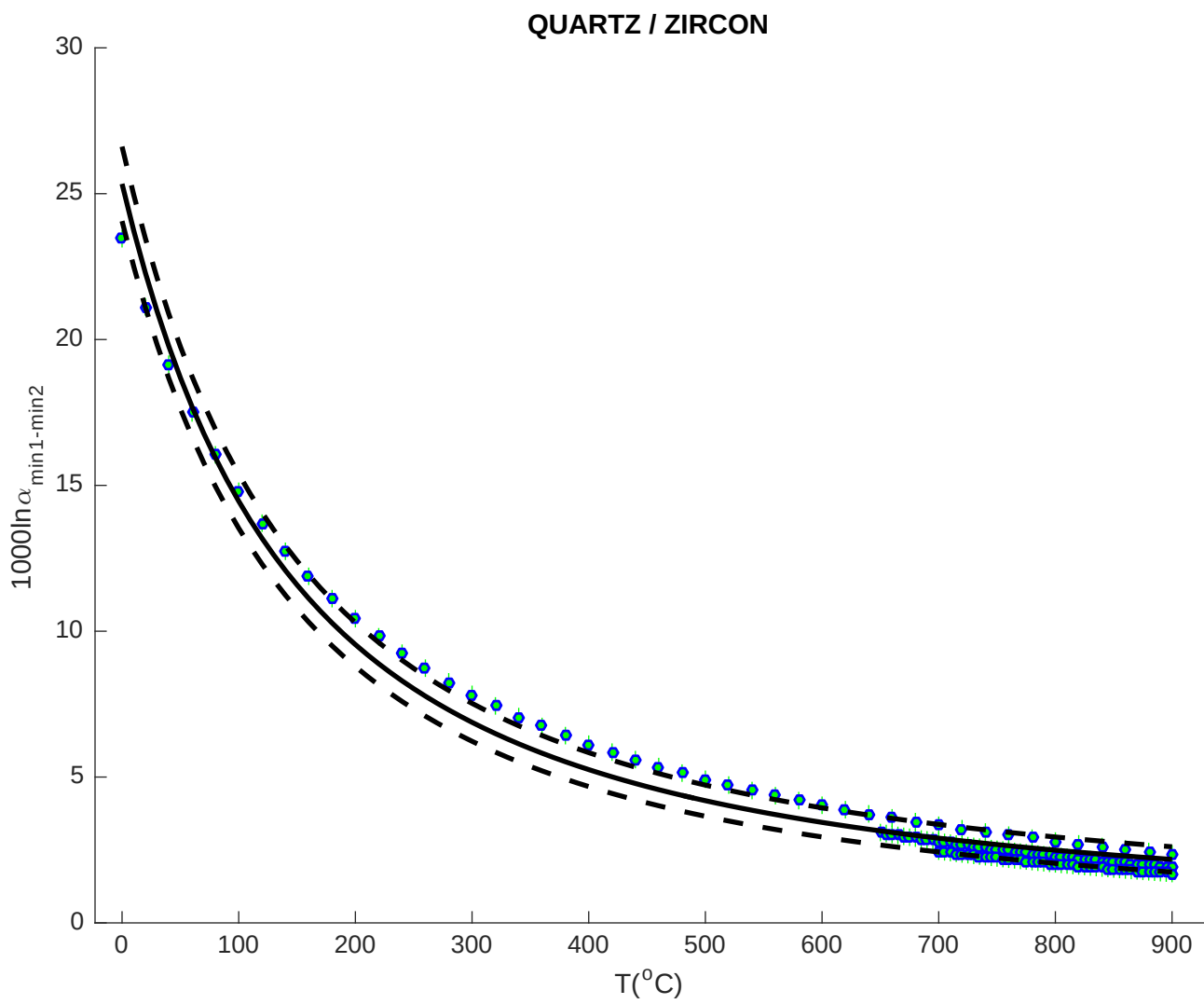


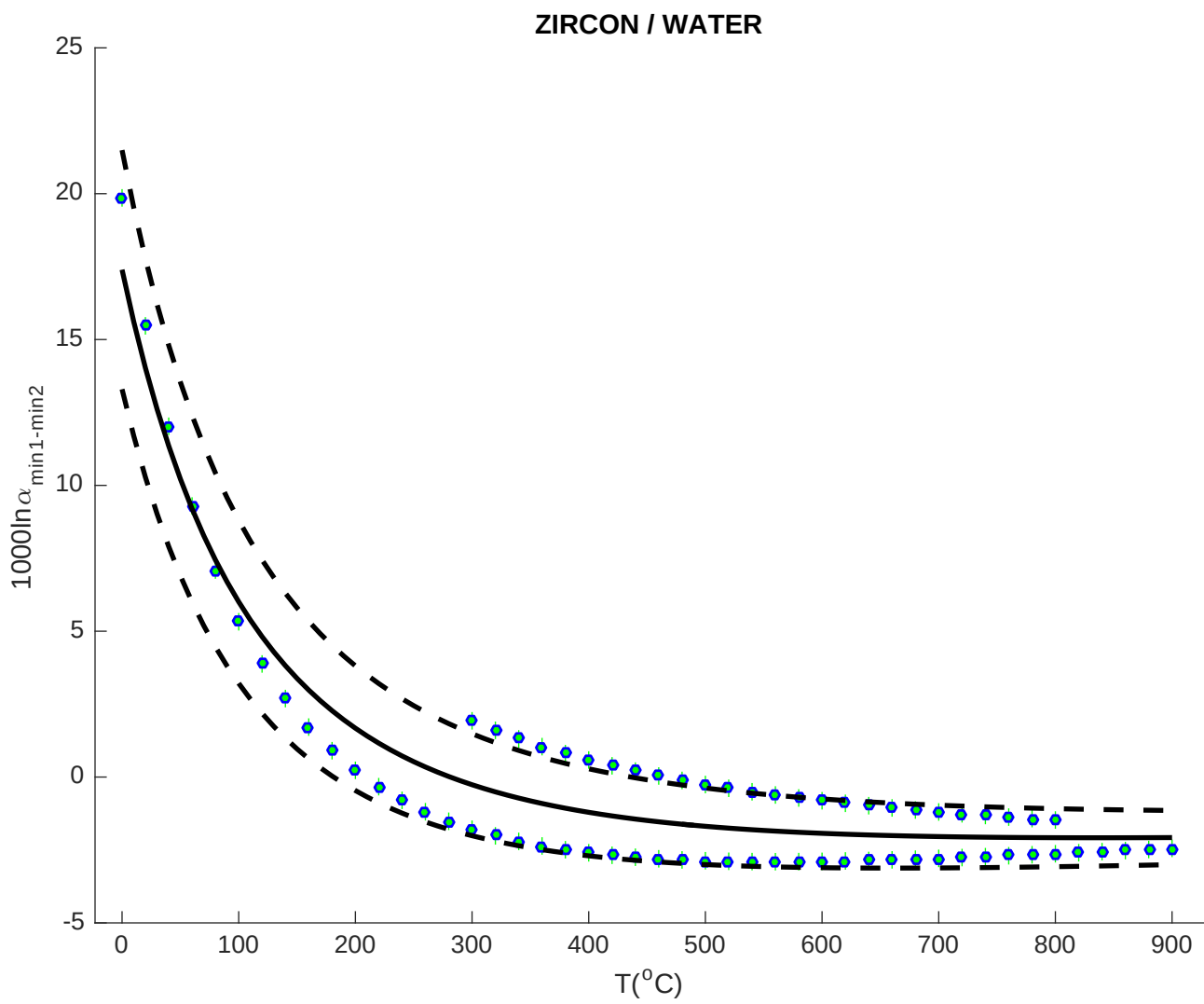


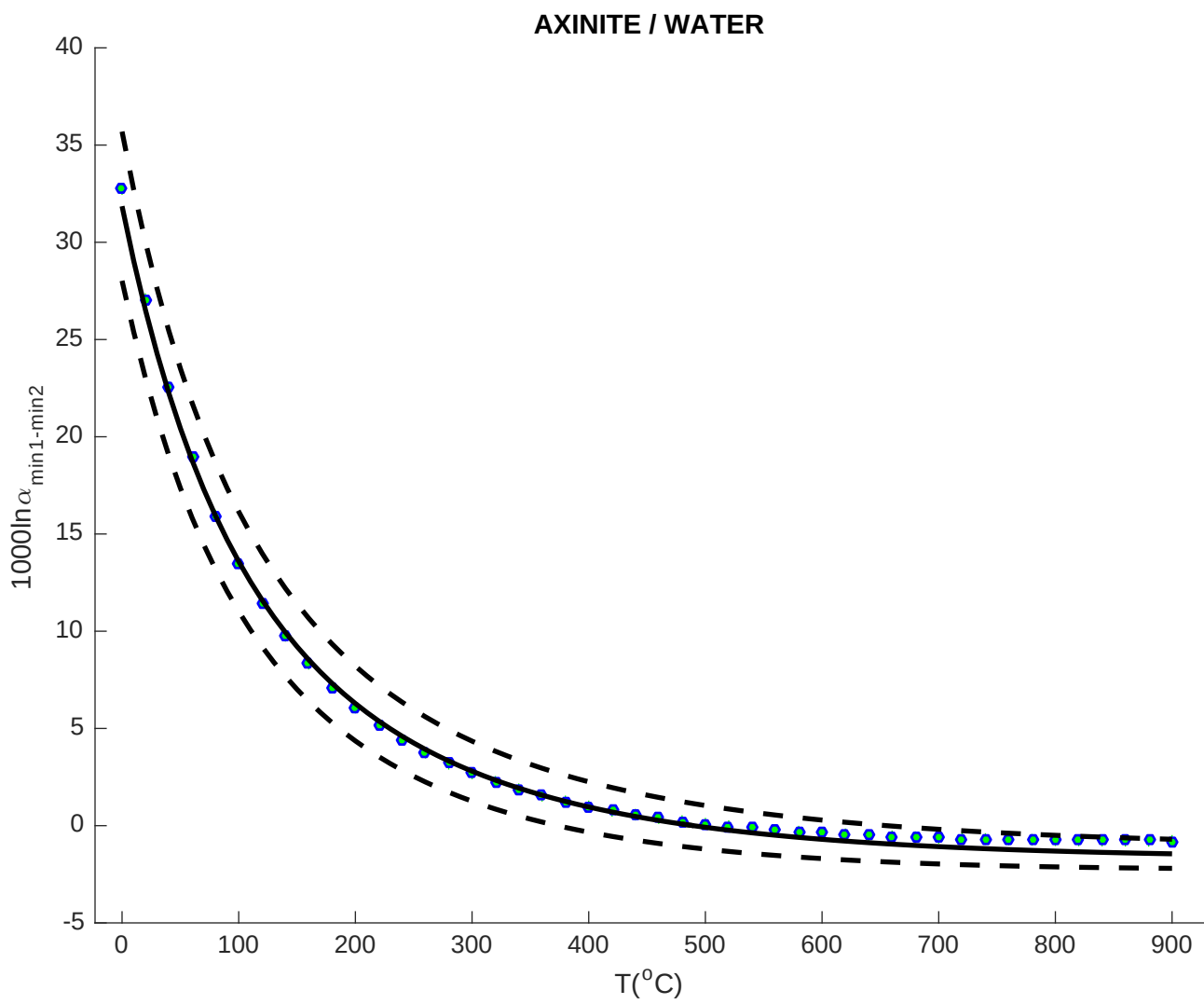


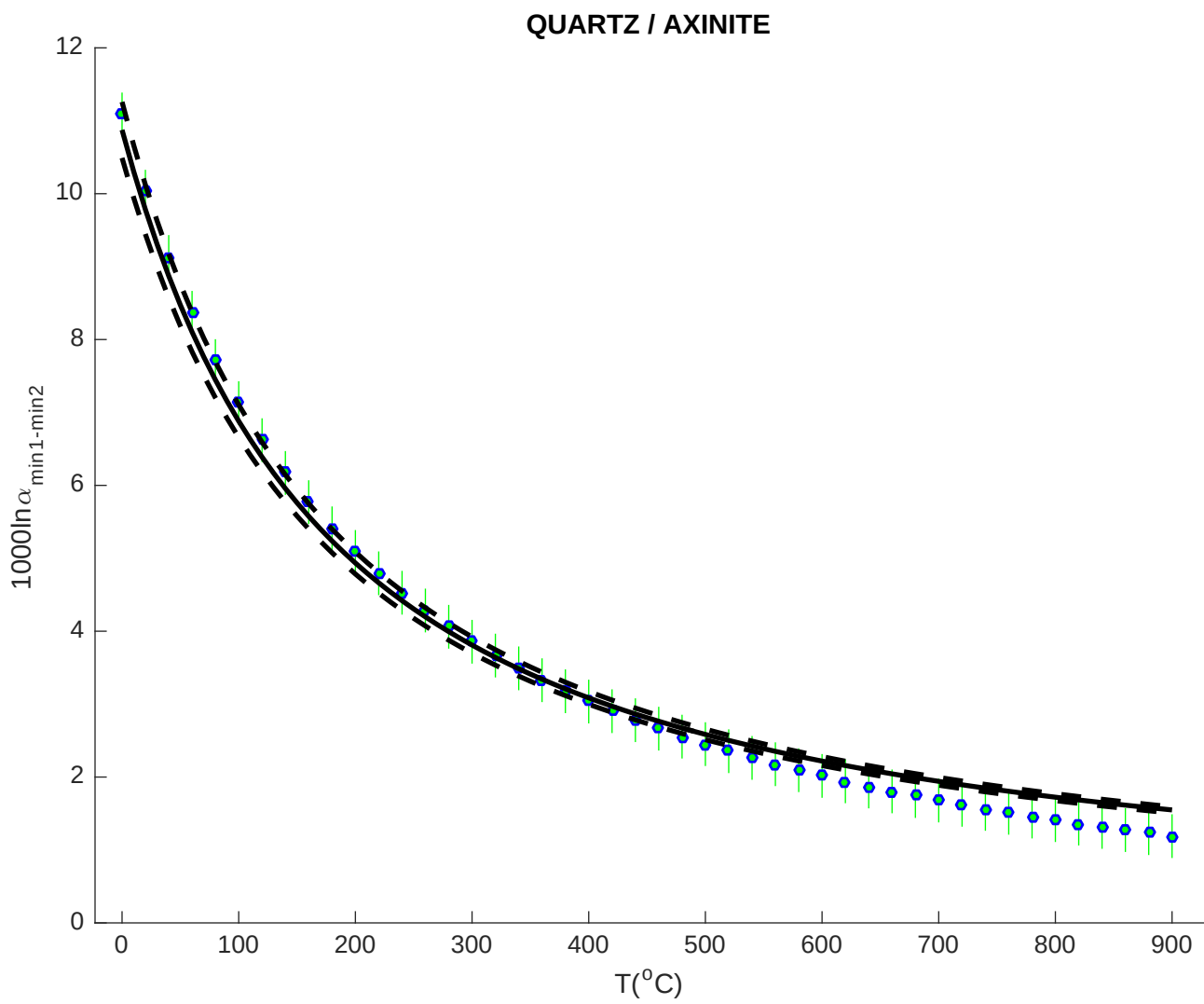


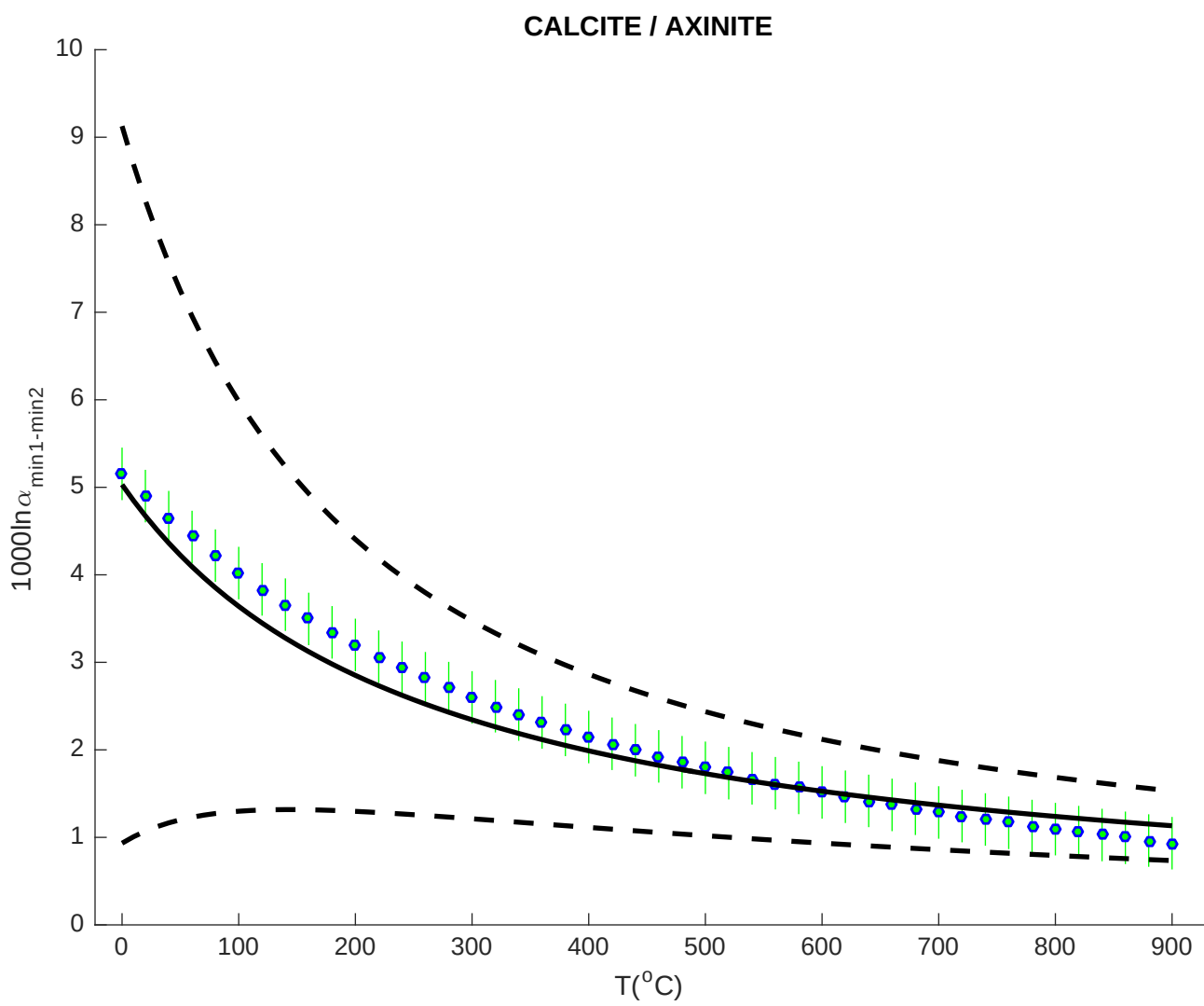


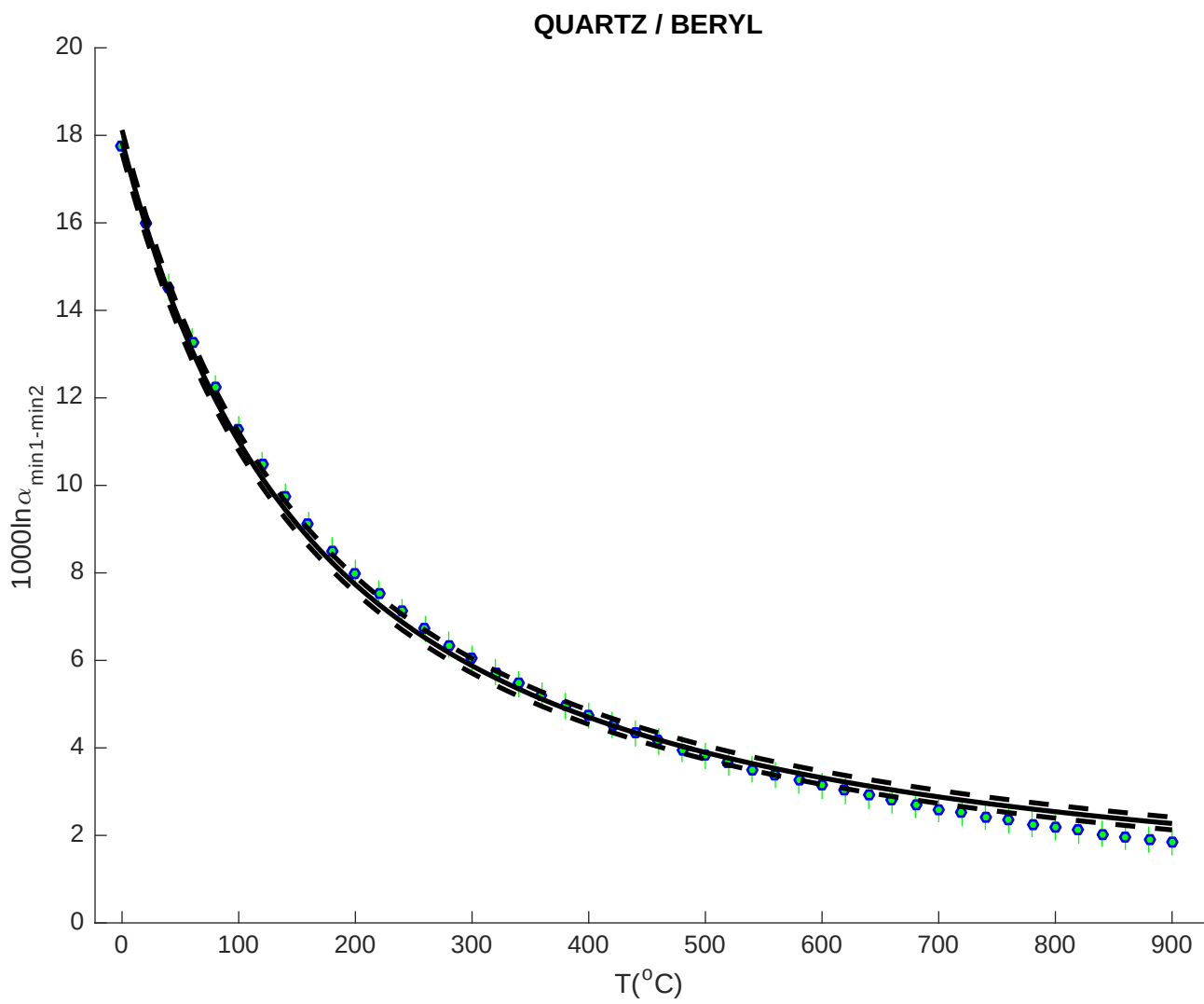


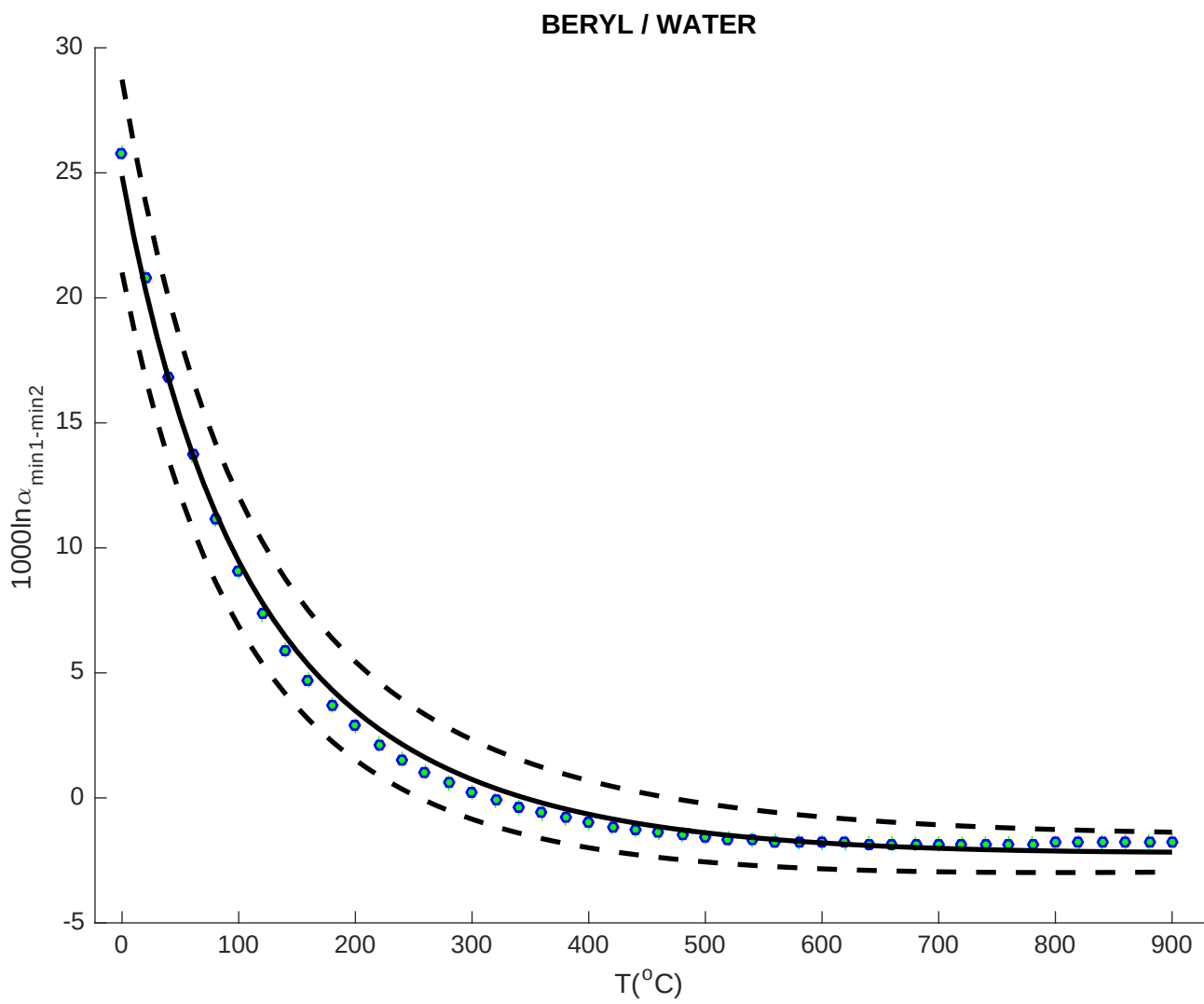


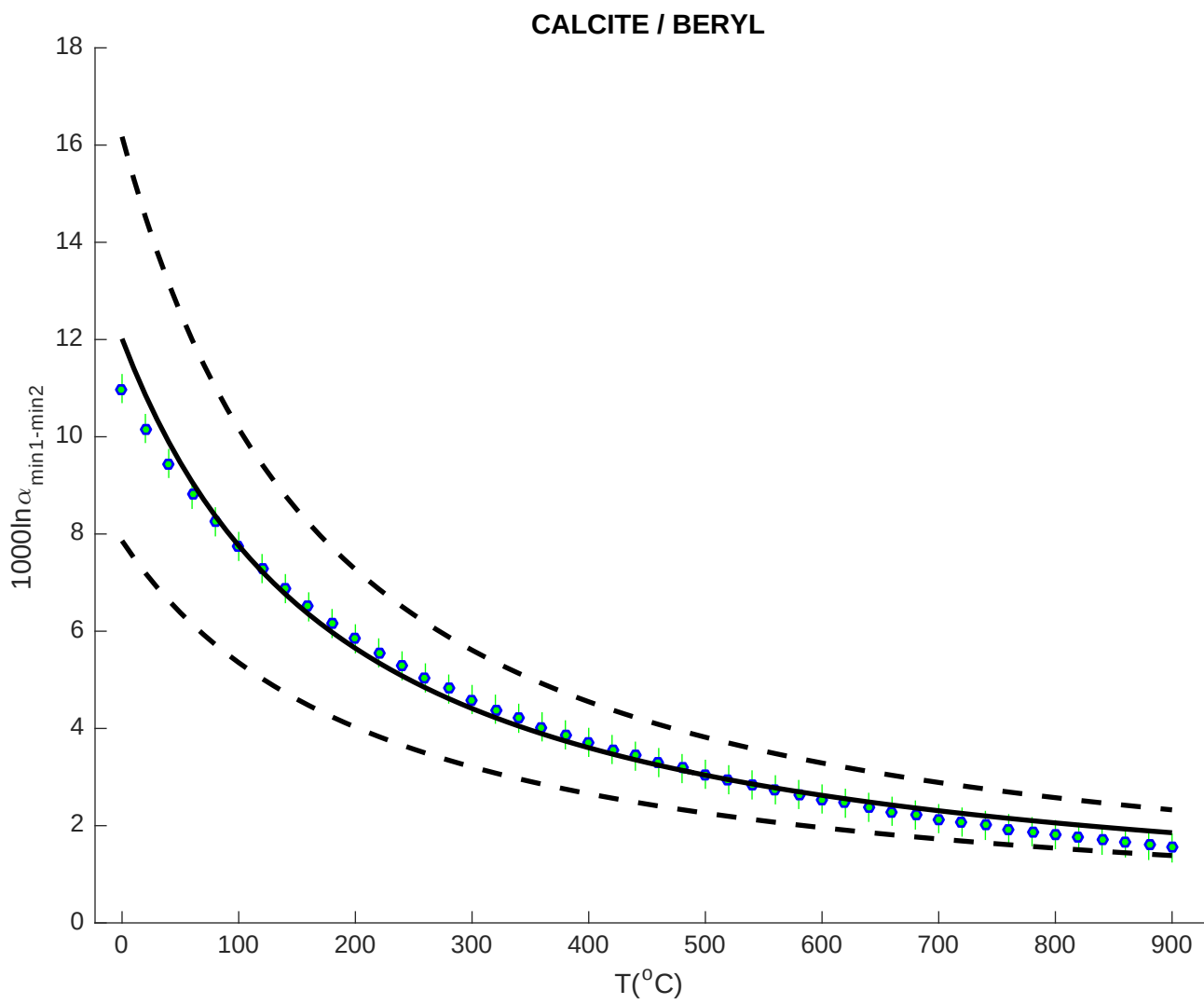




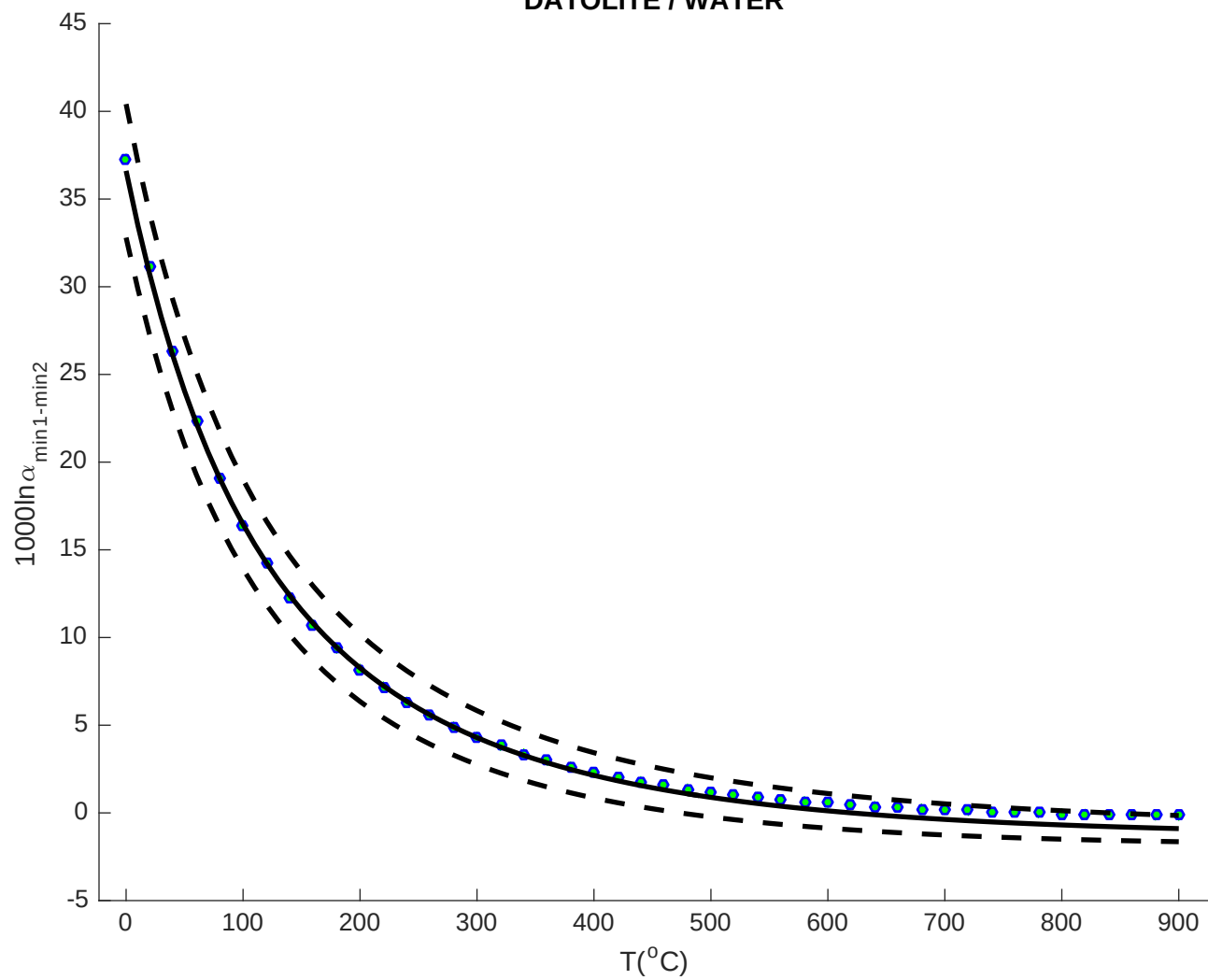




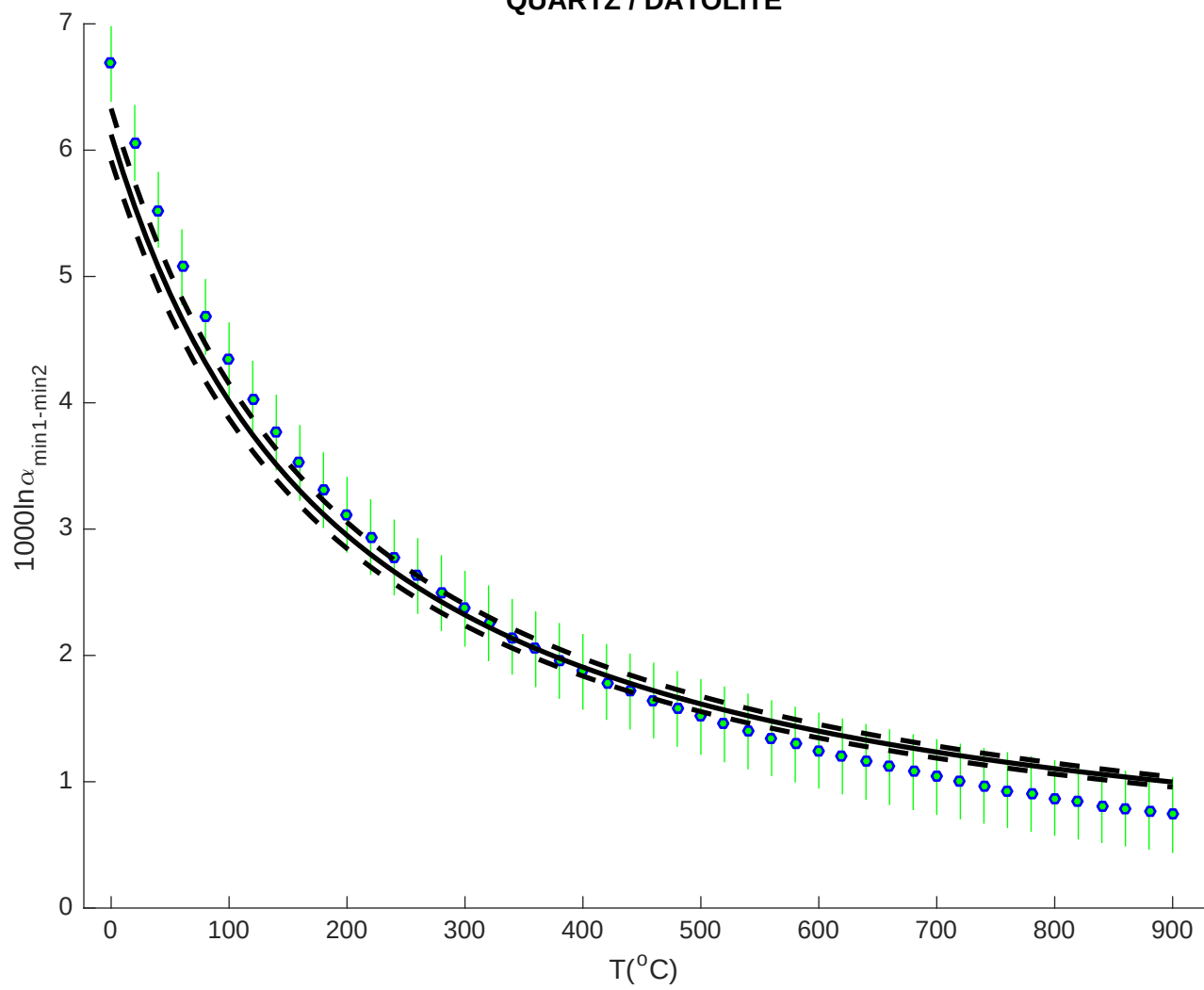


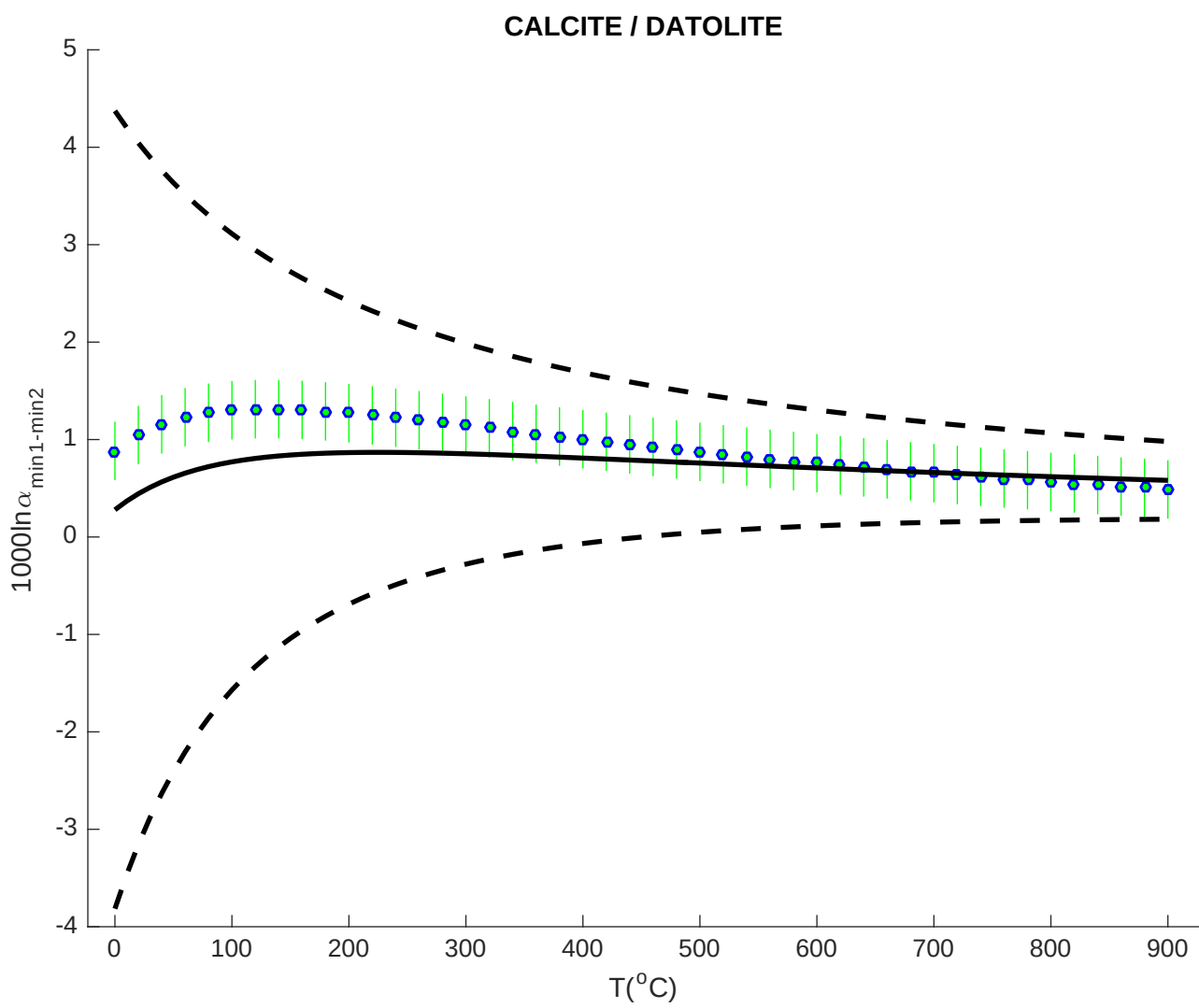


DATOLITE / WATER

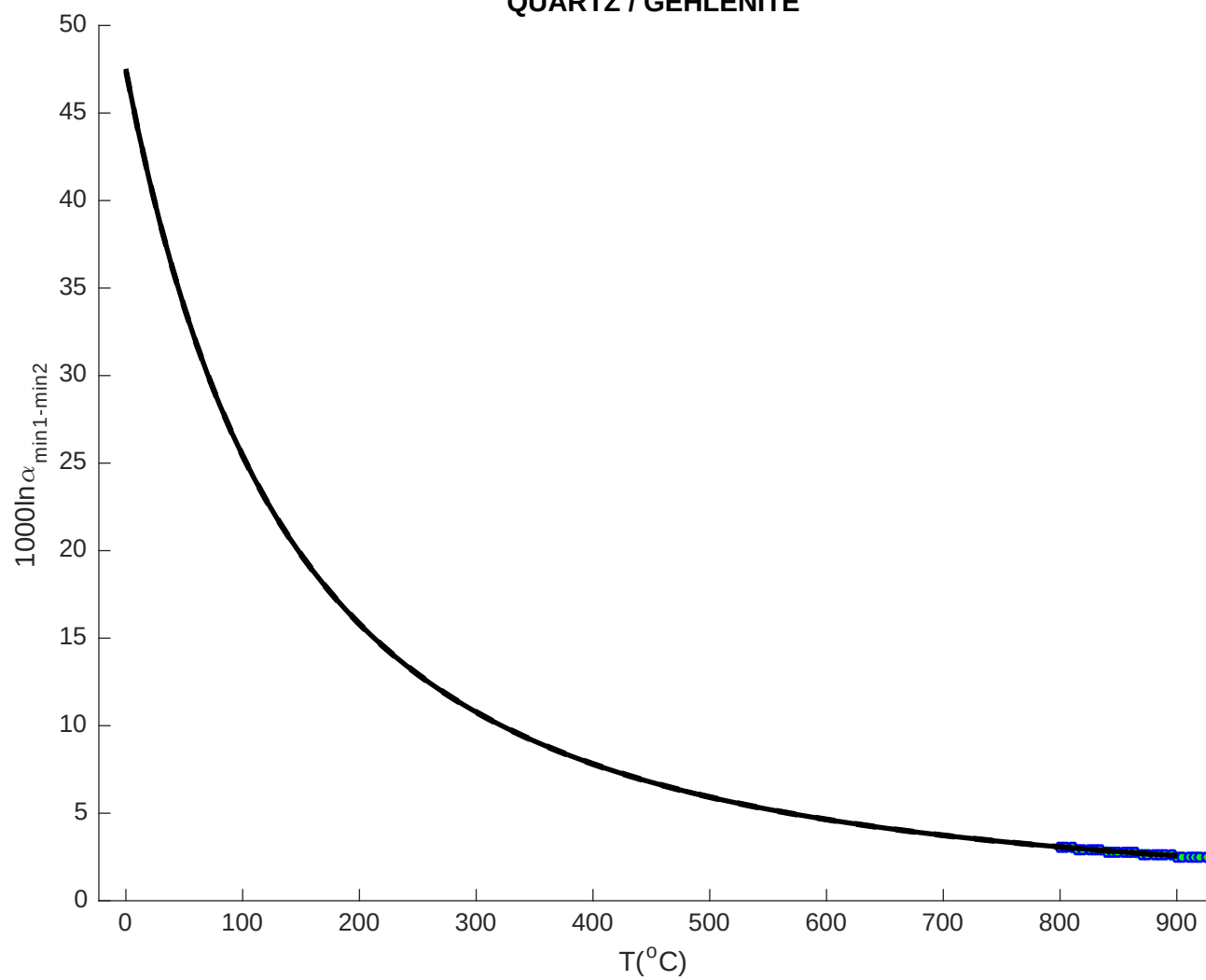


QUARTZ / DATOLITE

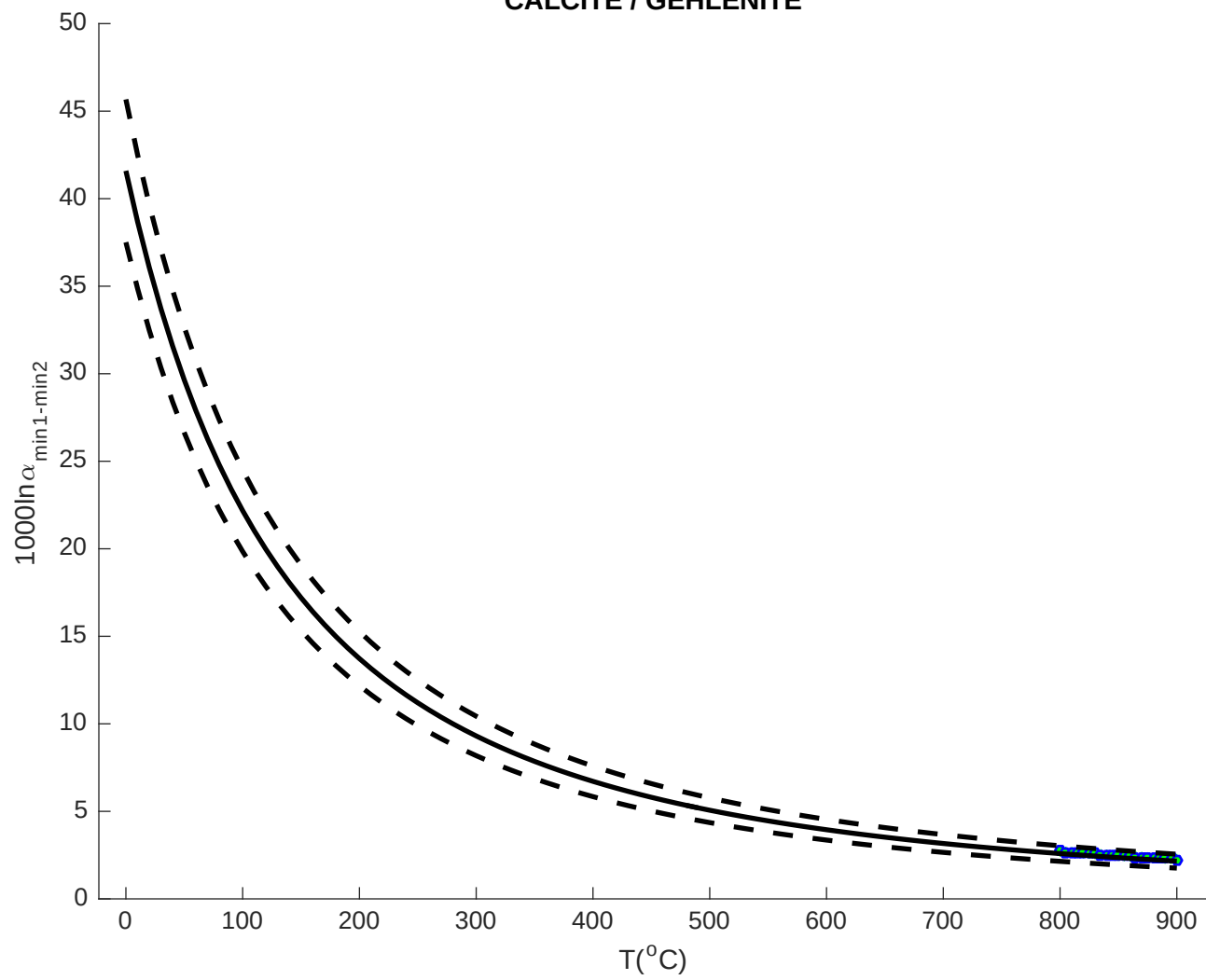


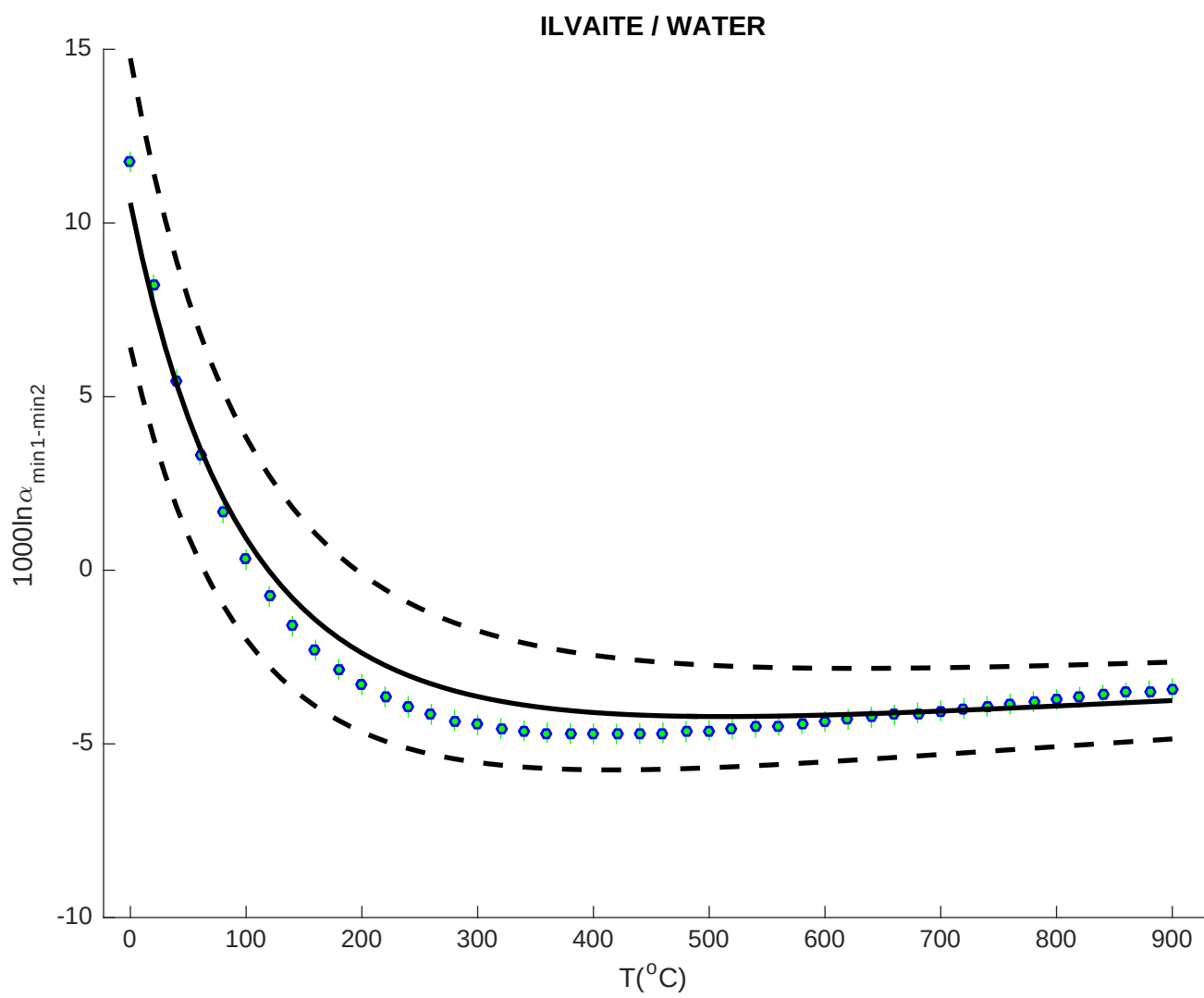


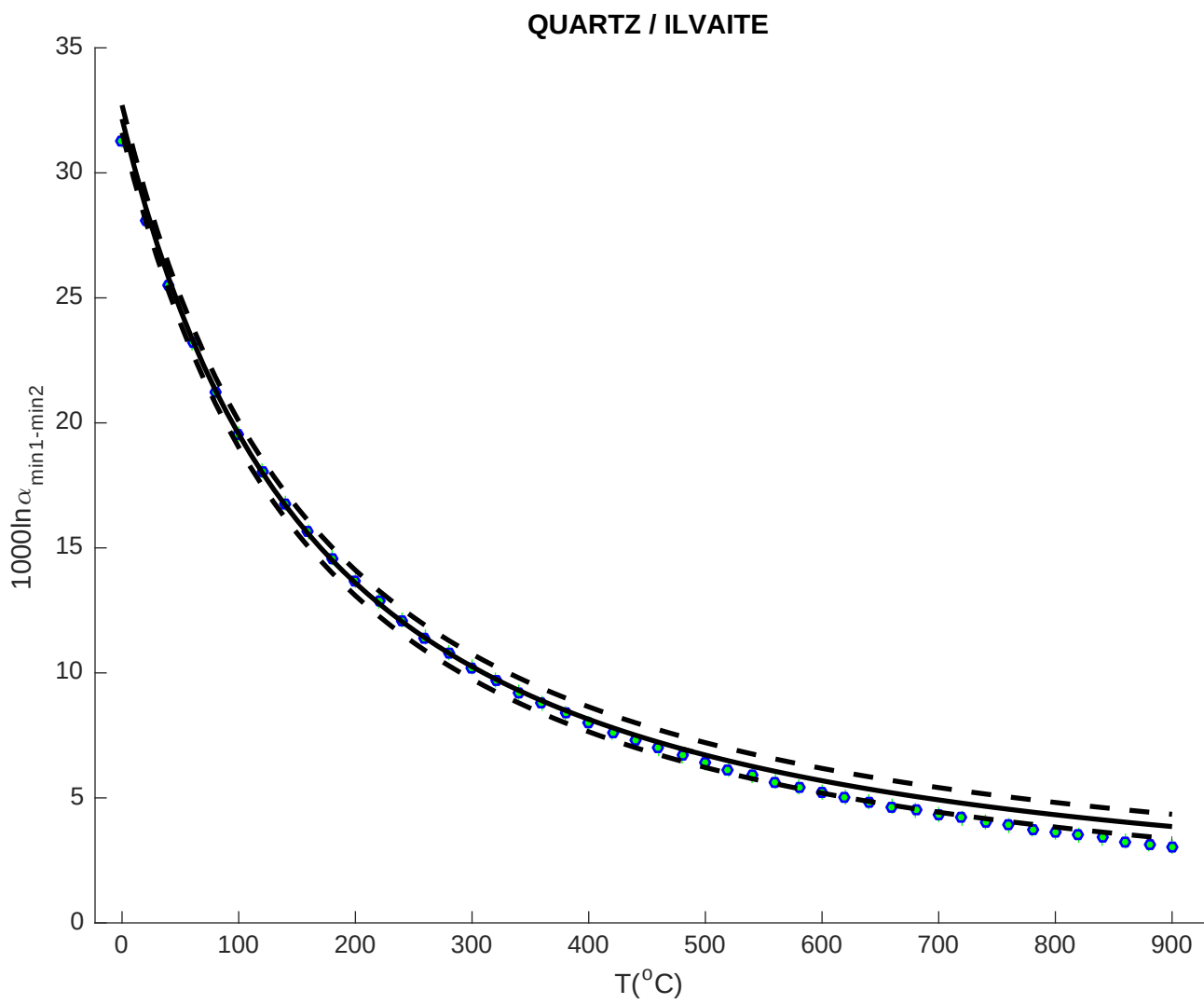
QUARTZ / GEHLENITE

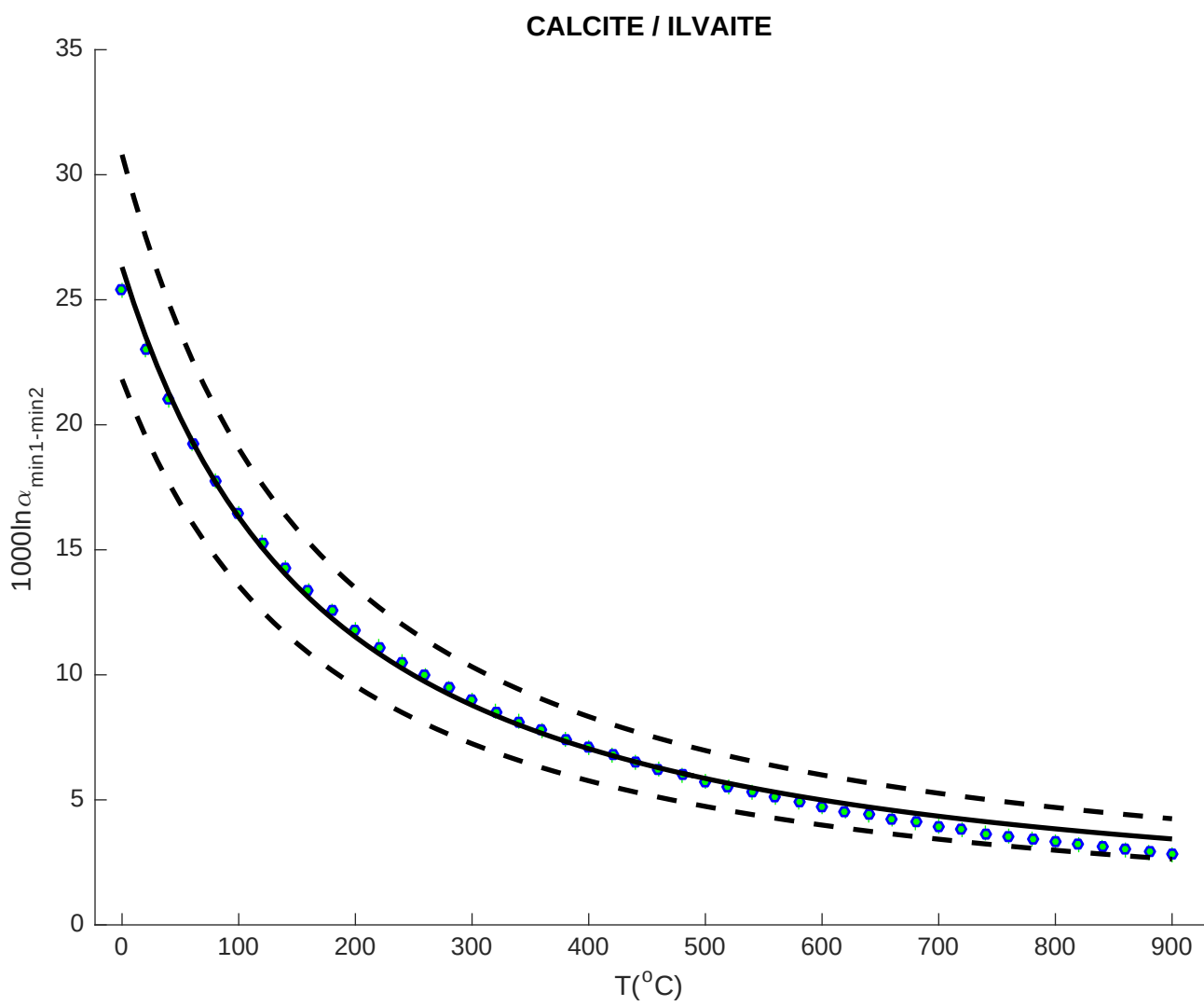


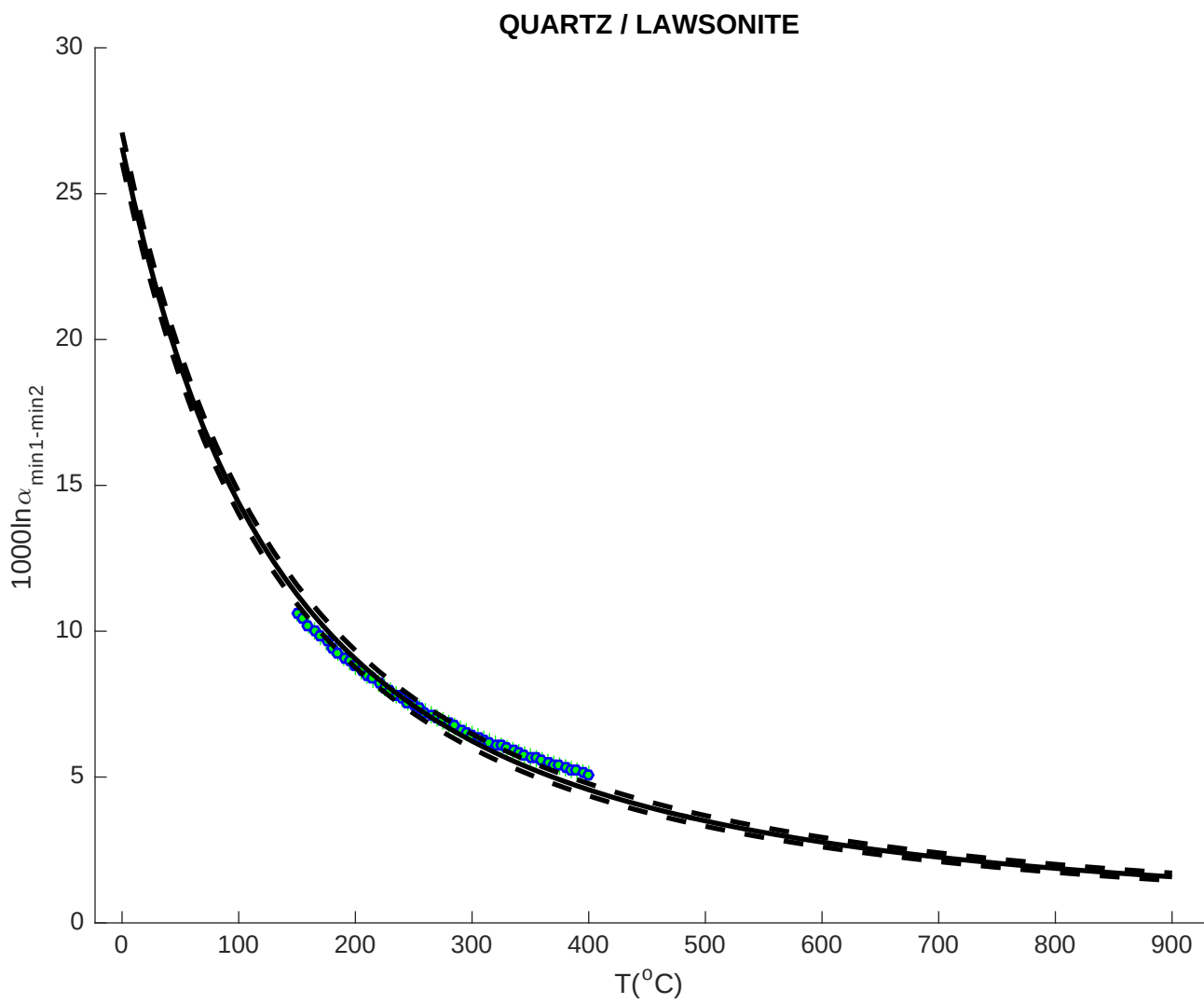
CALCITE / GEHLENITE

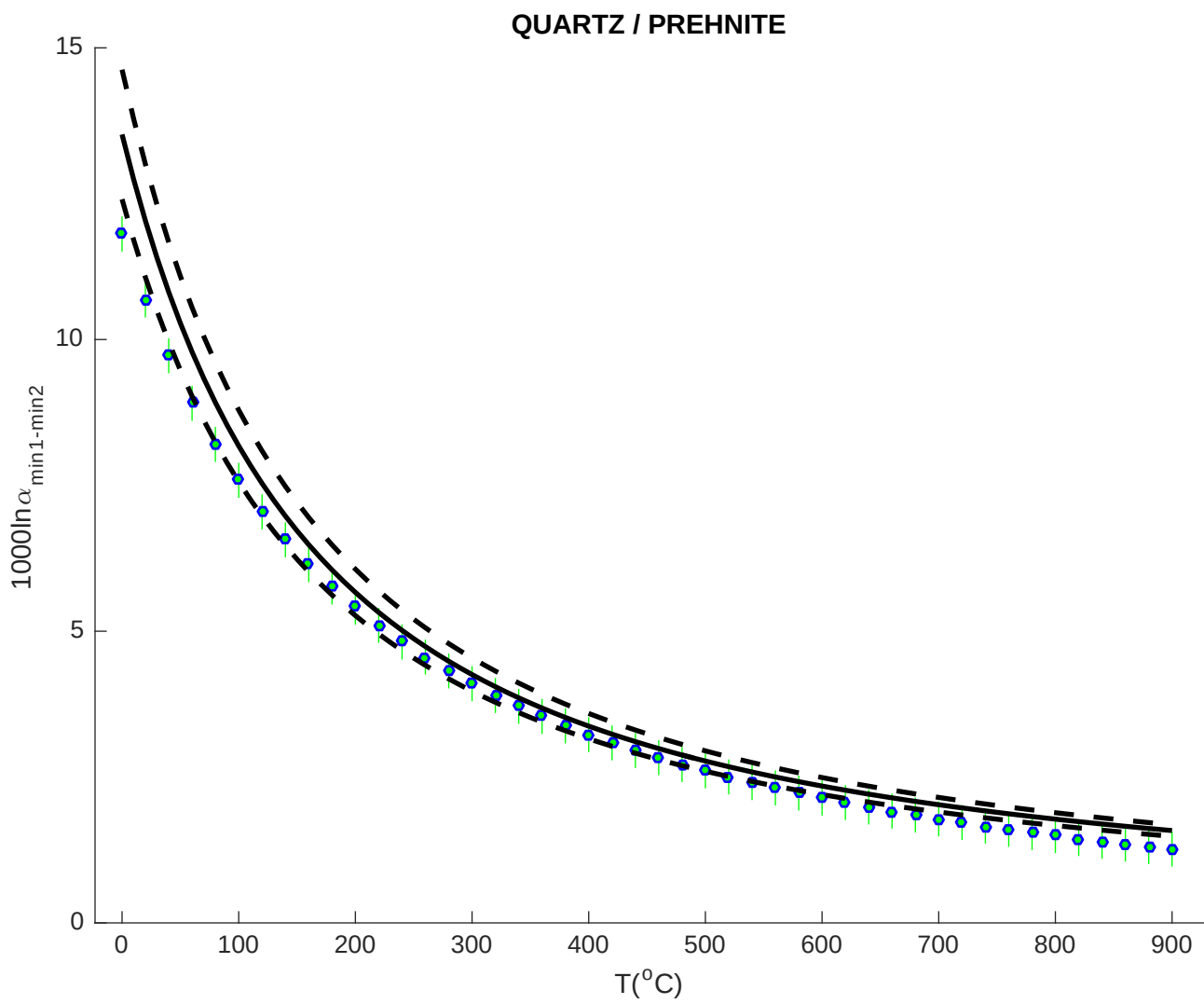




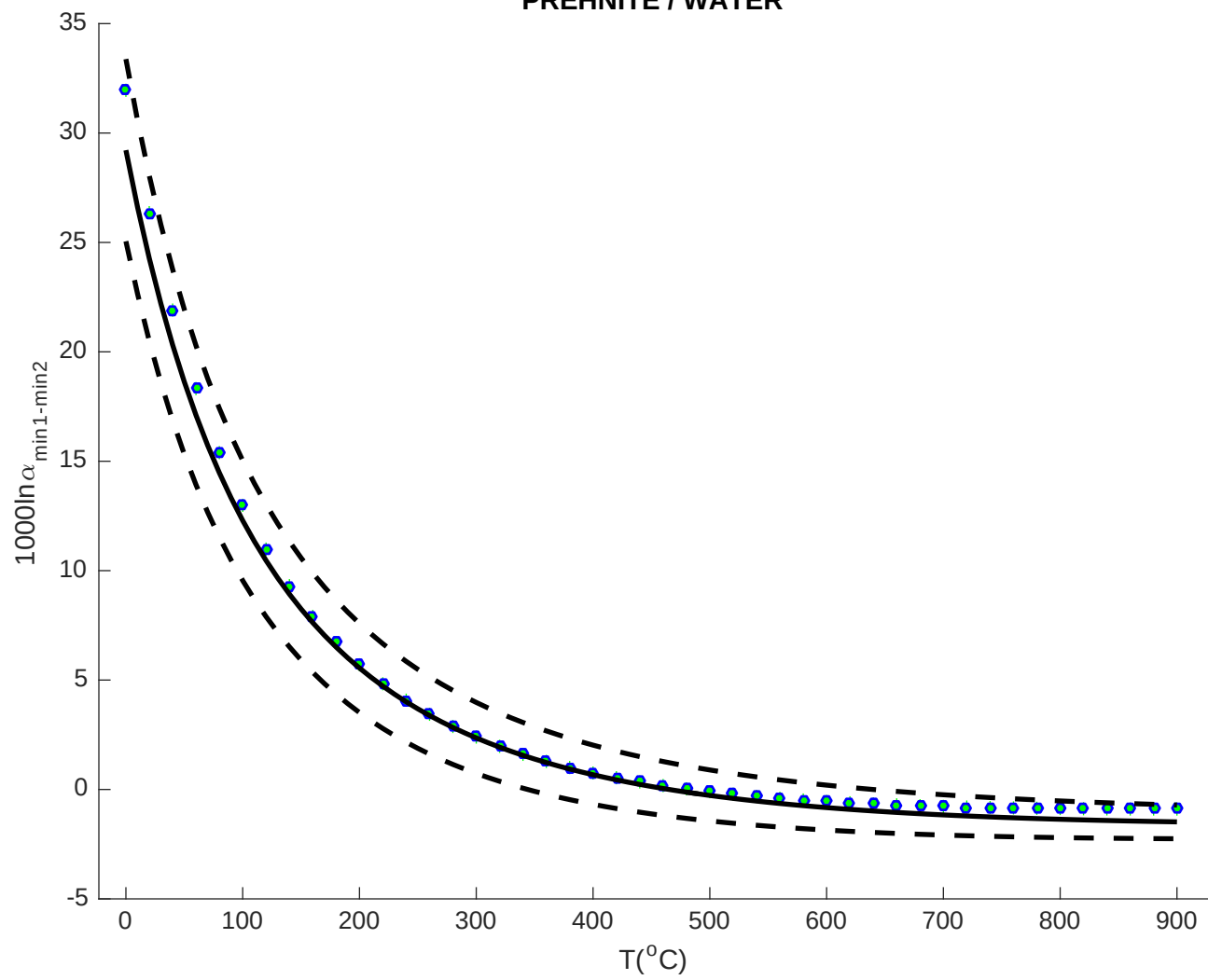


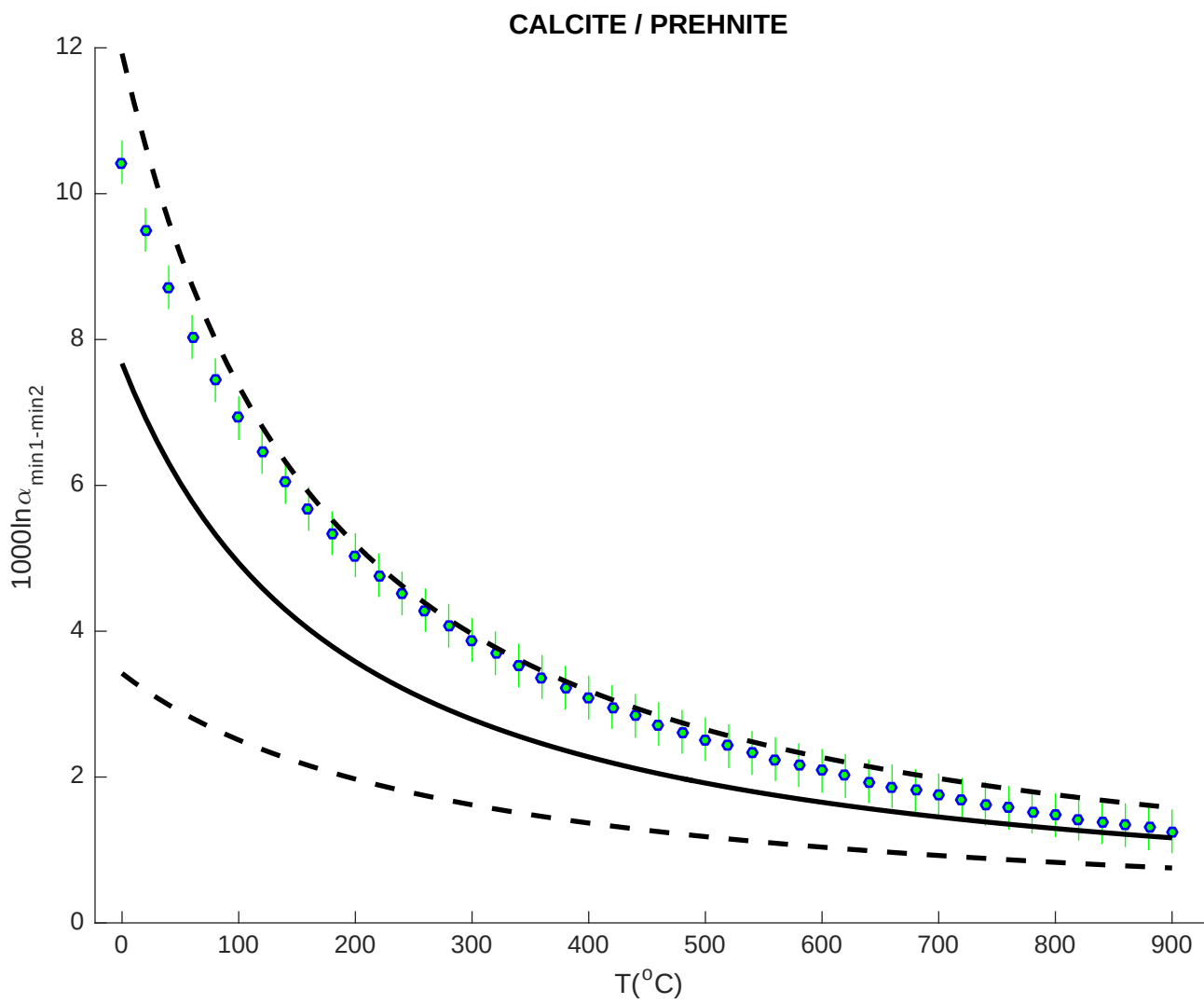


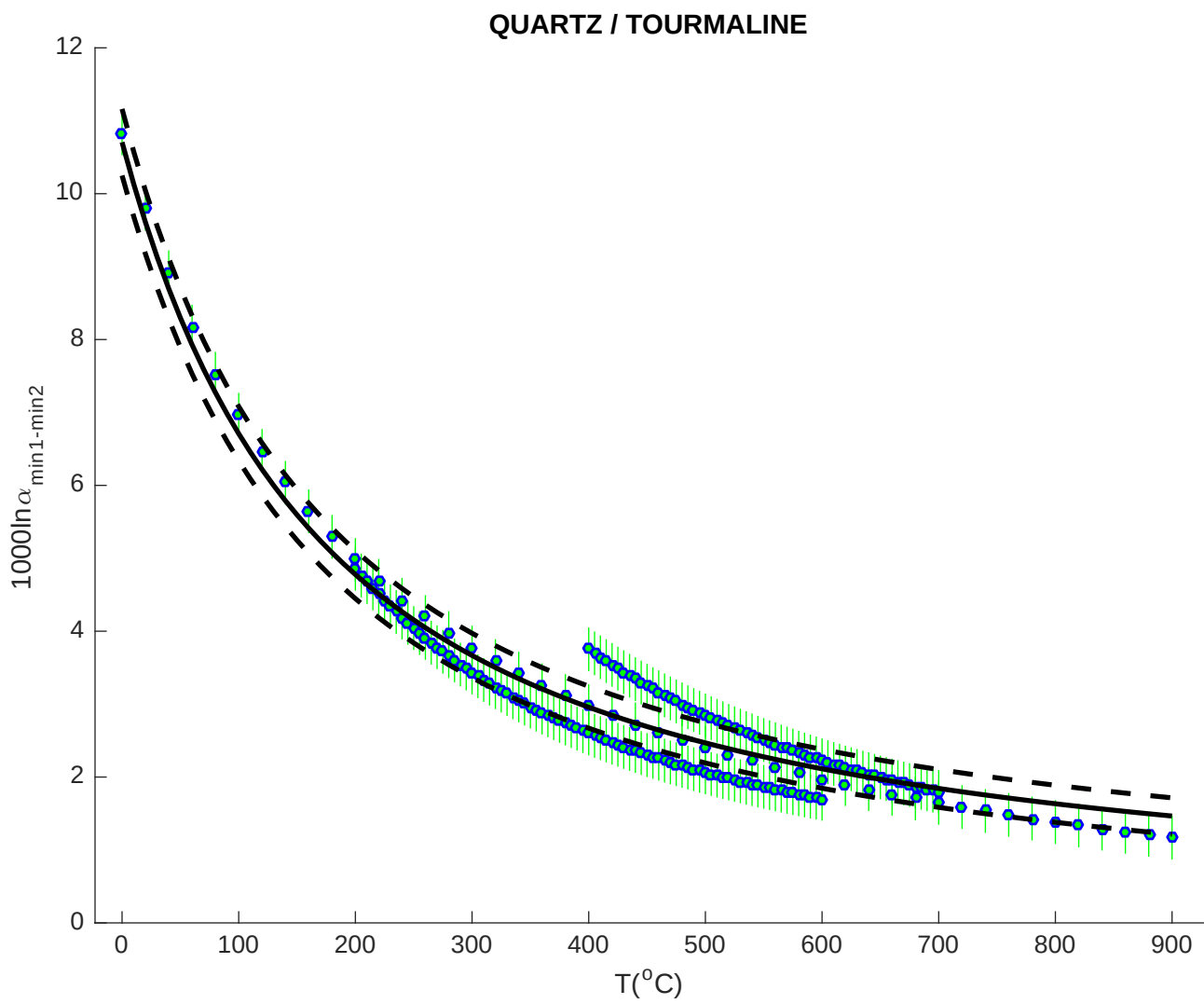




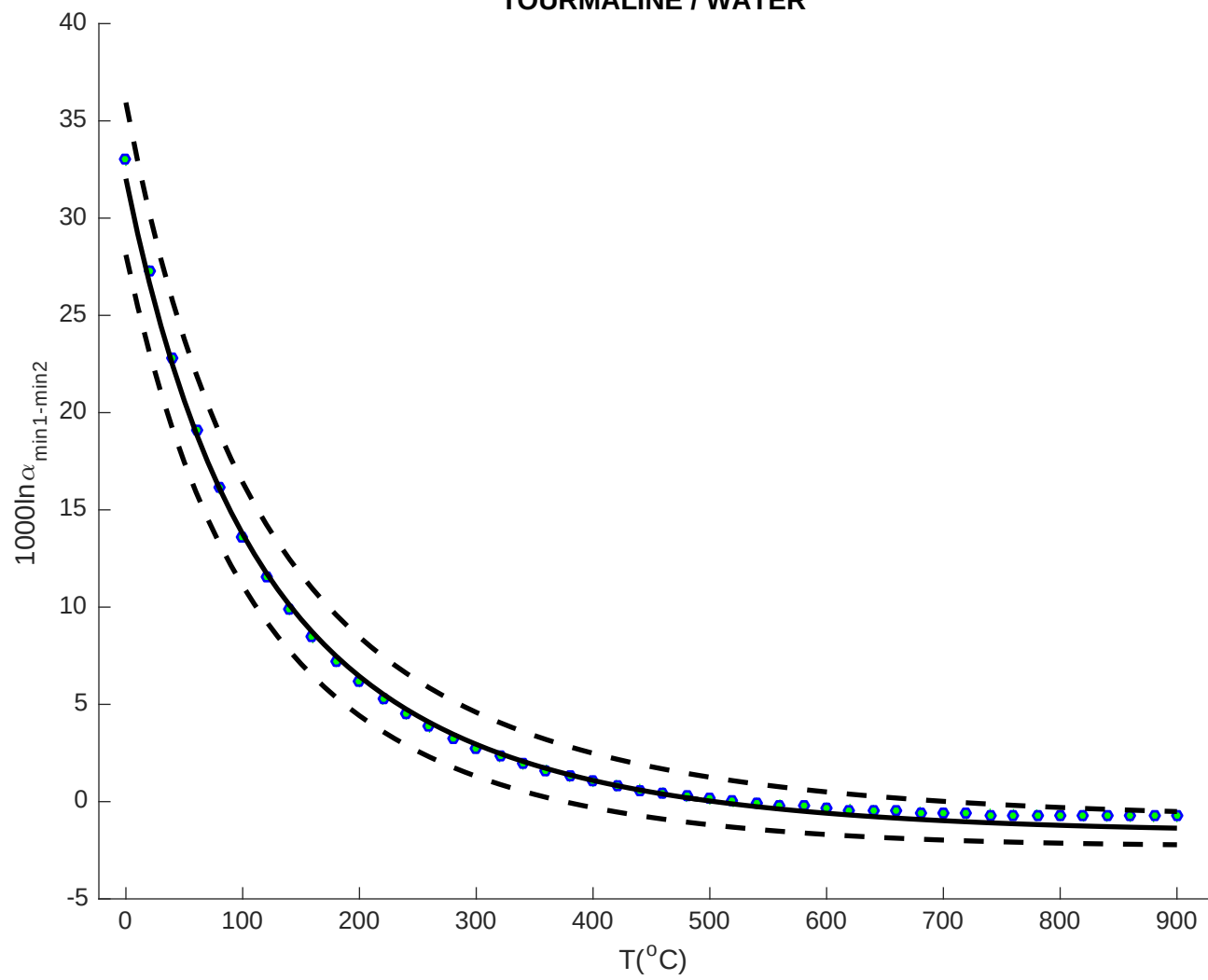
PREHNITE / WATER



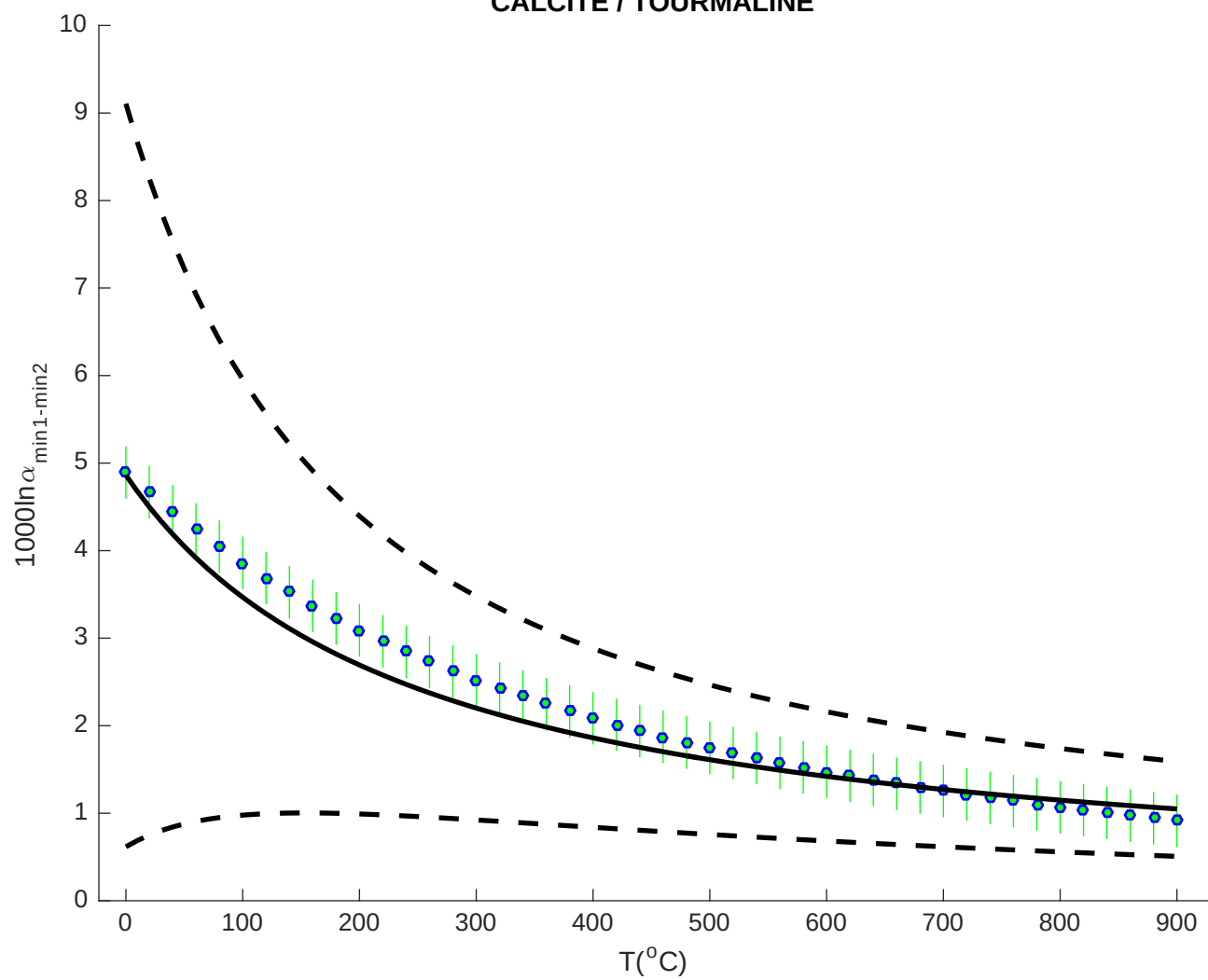


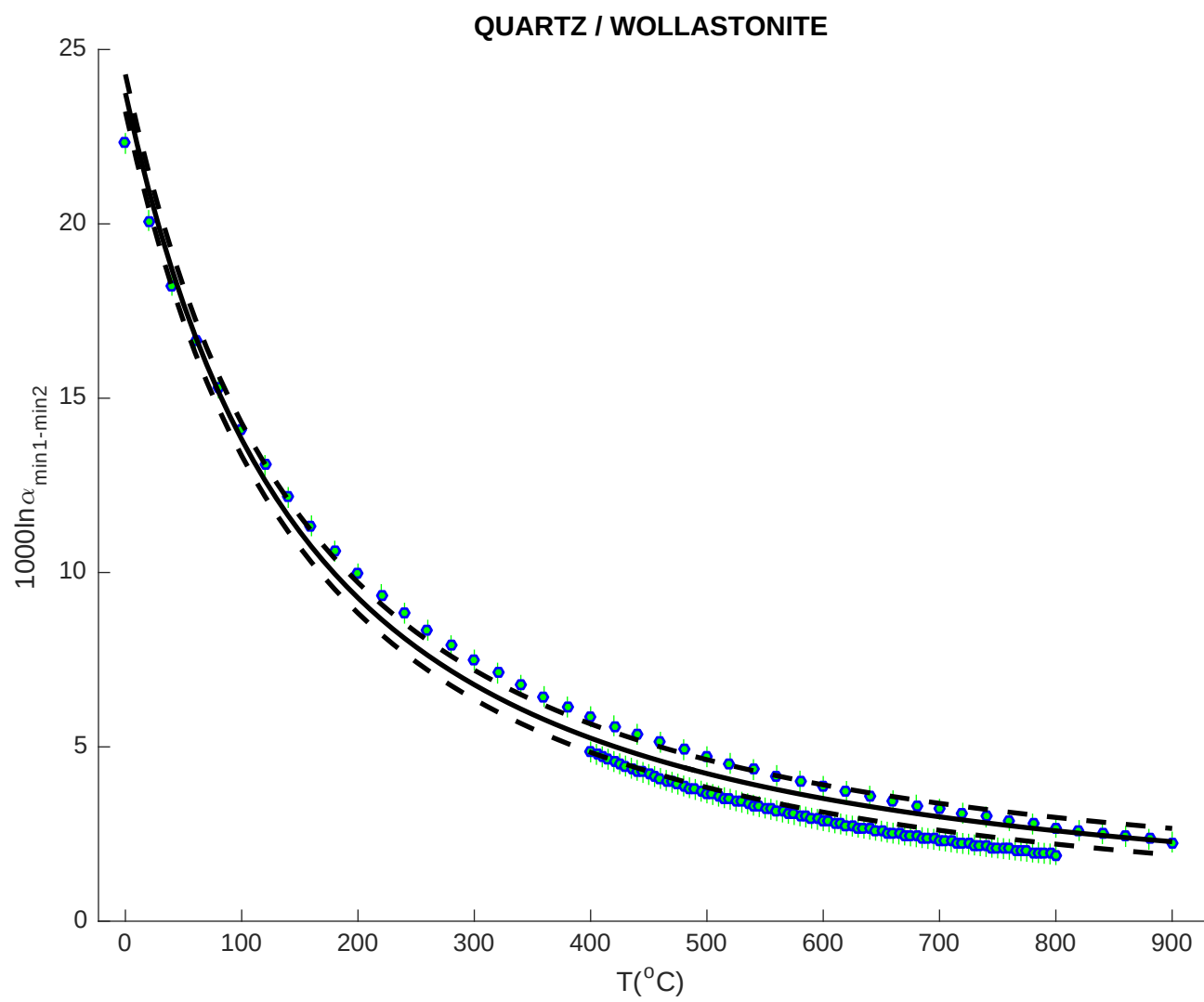


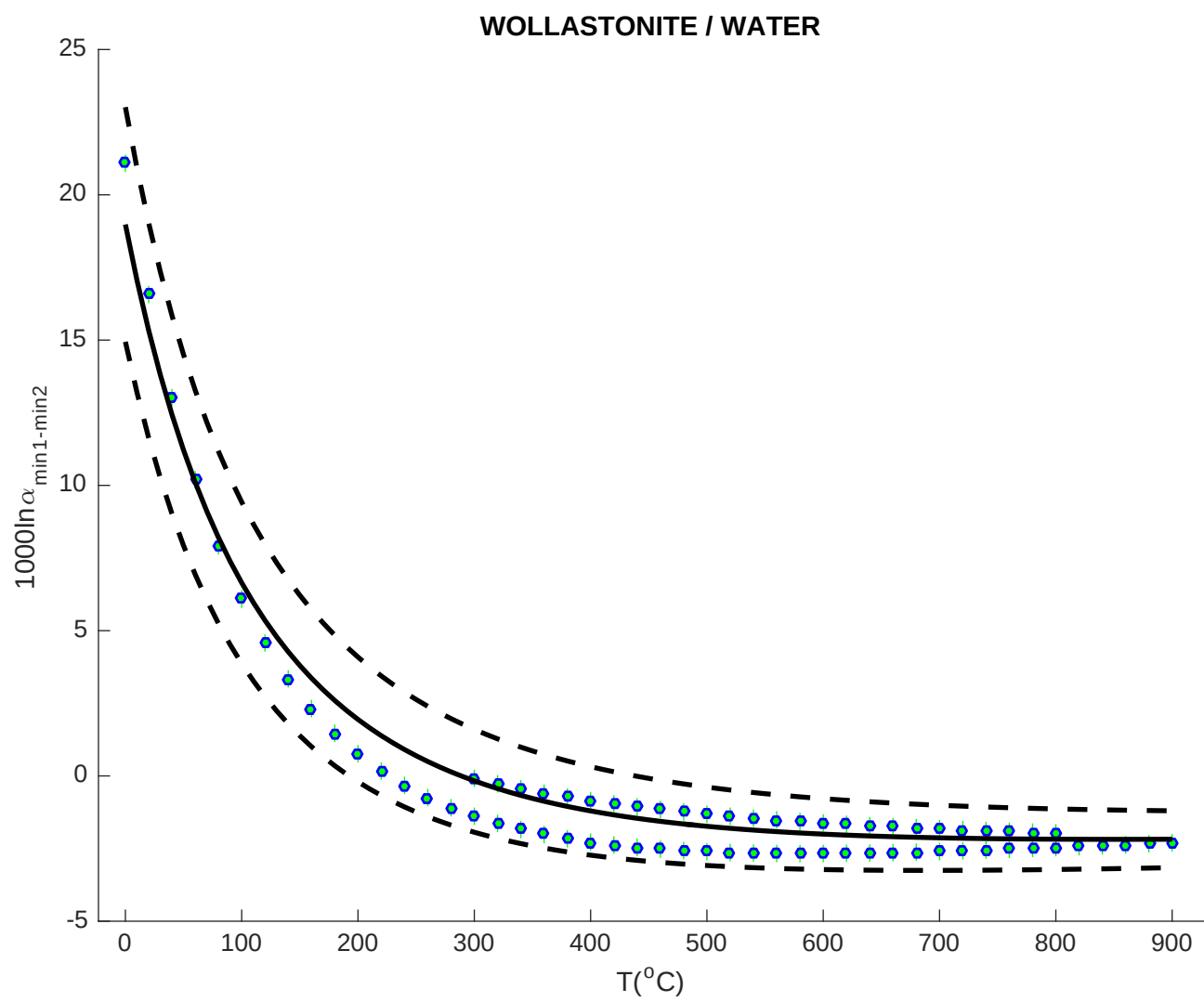
TOURMALINE / WATER



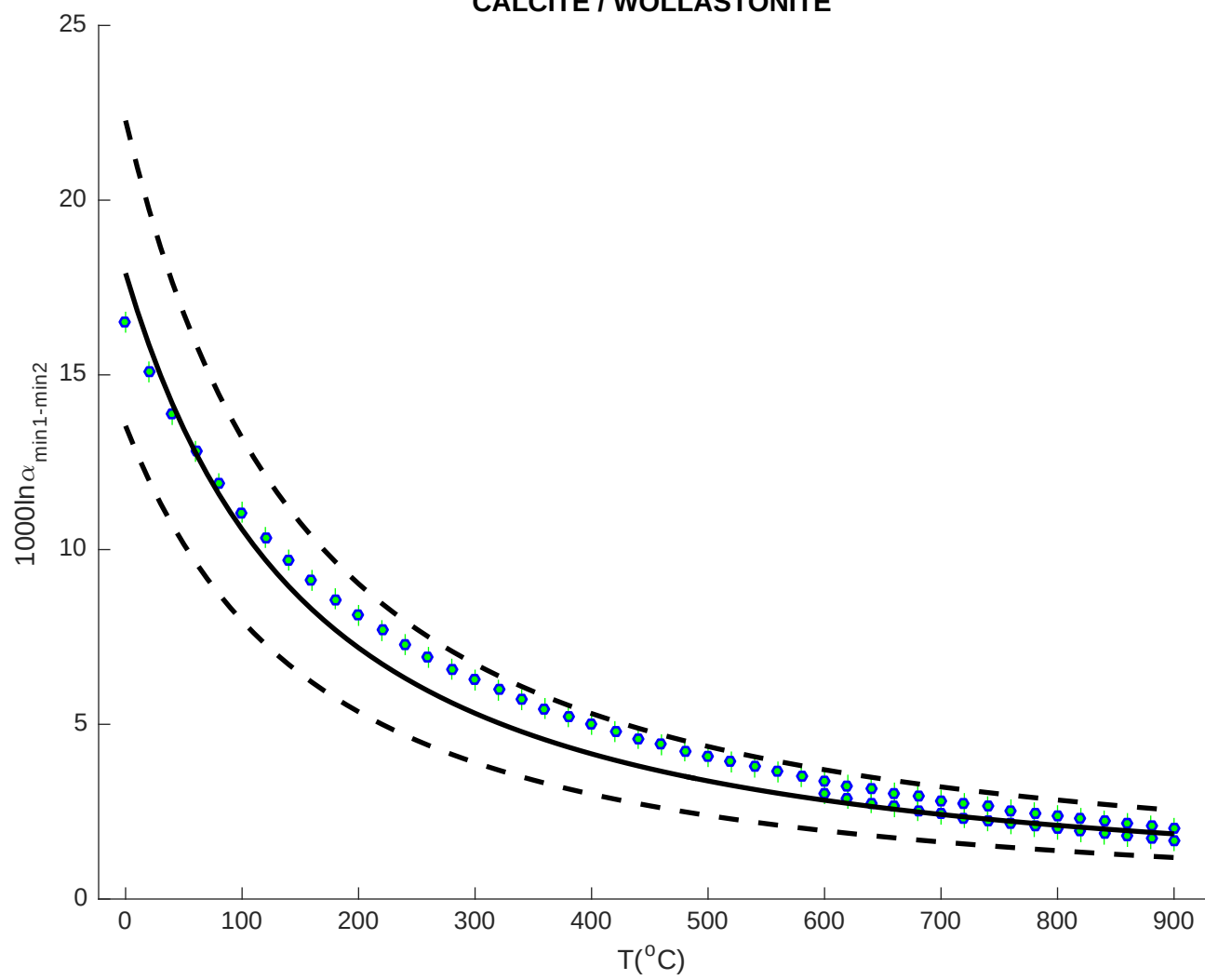
CALCITE / TOURMALINE

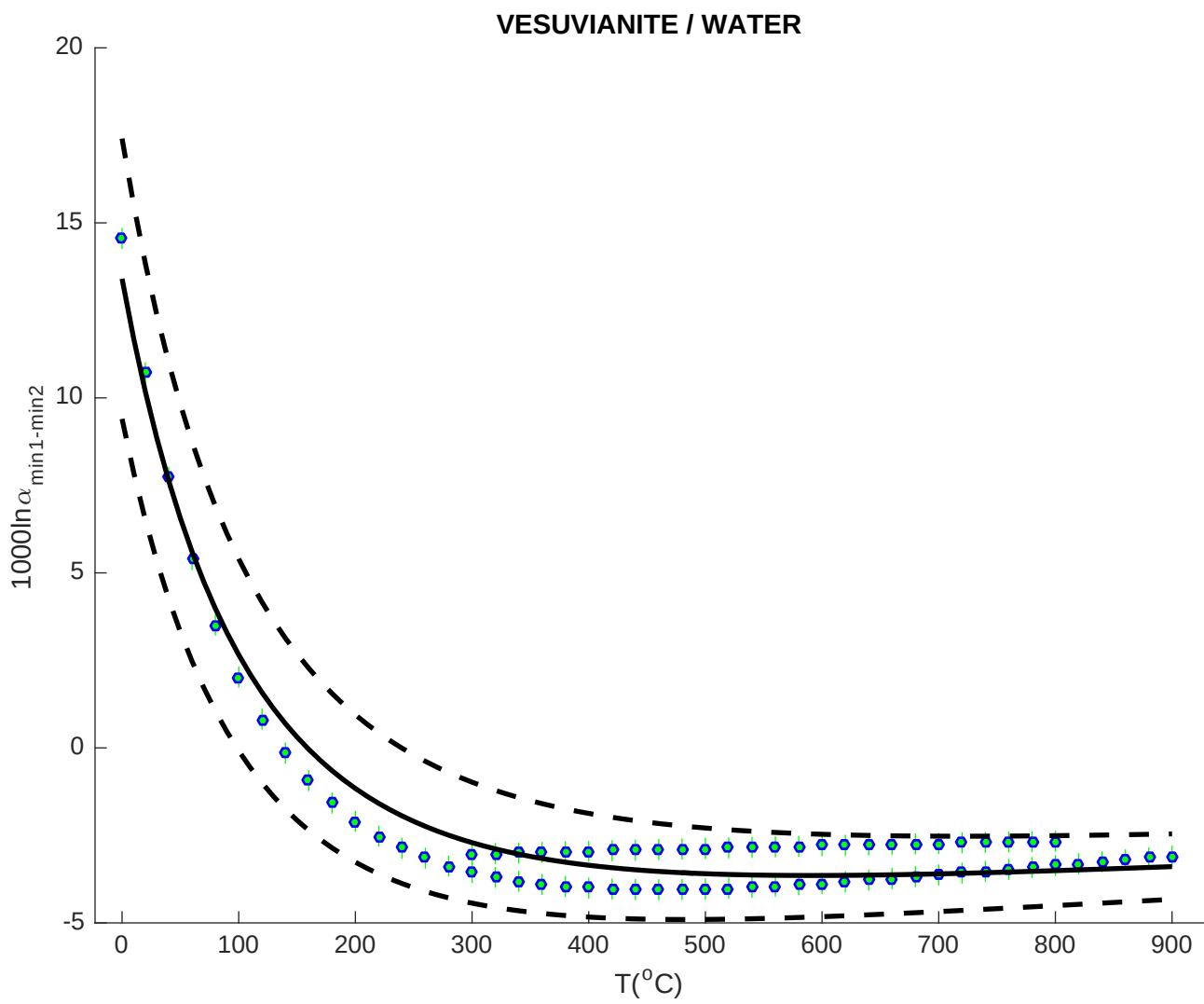




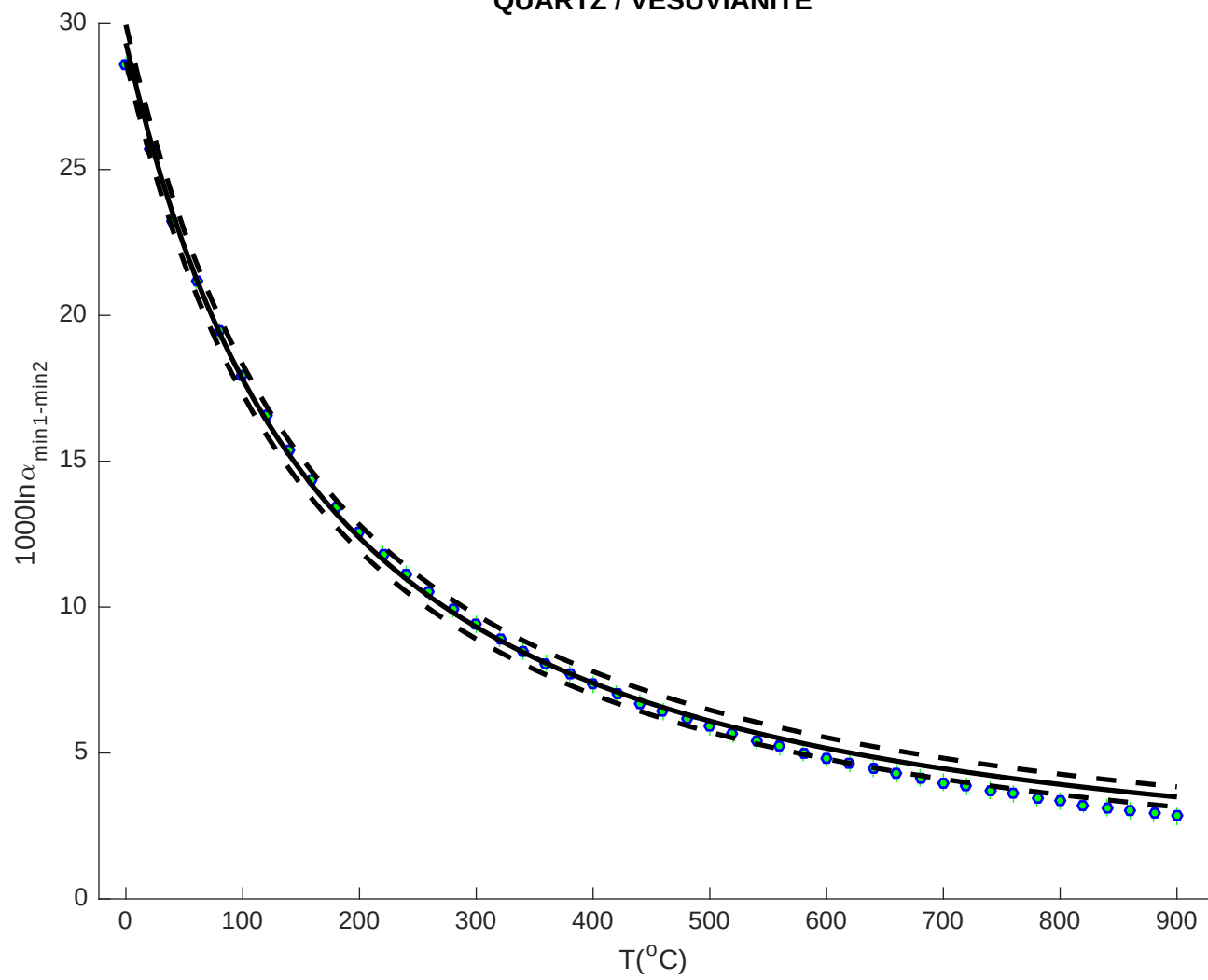


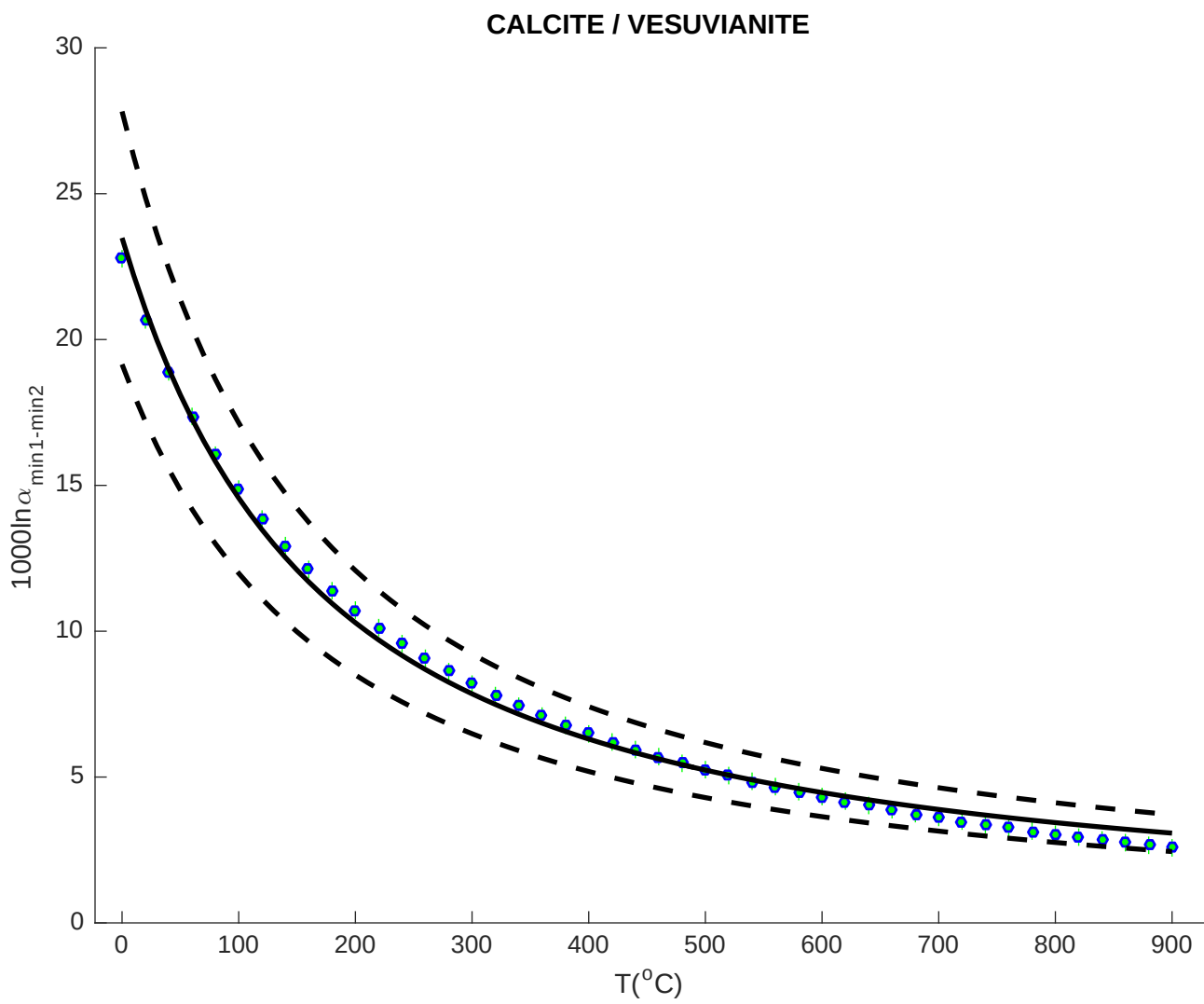
CALCITE / WOLLASTONITE





QUARTZ / VESUVIANITE





QUARTZ/WATER

PURE

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800

Secondary data points: 26

Model test: 26 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

EX Clayton&al(1972)

Temperature range (°C): 200 - 500

Secondary data points: 61

Model test: 61 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

EX Clayton&al(1972)

Temperature range (°C): 500 - 750

Secondary data points: 51

Model test: 51 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

MX Bottinga&Javoy(1973)

Temperature range (°C): 500 - 800

Secondary data points: 61

Model test: 61 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

EX Matsuhisa&al(1979)

Temperature range (°C): 500 - 800

Secondary data points: 61

Model test: 61 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

EX Matsuhisa&al(1979)

Temperature range (°C): 400 - 500

Secondary data points: 21

Model test: 21 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

EX Matsuhisa&al(1979)
 Temperature range (°C): 250 - 400
 Secondary data points: 31

 Model test: 31 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

EX Zhang&al(1989)
 Temperature range (°C): 180 - 550
 Secondary data points: 38

 Model test: 38 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

EX Hu&Clayton(2003)
 Temperature range (°C): 400 - 750
 Secondary data points: 71

 Model test: 71 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

EX Sharp&Kirschner(1994)
 Temperature range (°C): 200 - 800
 Secondary data points: 121

 Model test: 121 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

MX Freidman&O'Neil(1977)
 Temperature range (°C): 500 - 750
 Secondary data points: 51

 Model test: 51 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

EX Matthwes&Beckinsale(1979)
 Temperature range (°C): 265 - 465
 Secondary data points: 41

 Model test: 41 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

MX Becker&Clayton(1976)
 Temperature range (°C): 0 - 725
 Secondary data points: 146

 Model test: 146 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

EX Kita&al(1985)
 Temperature range (°C): 20 - 120

Secondary data points: 21

Model test: 21 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

NT Leclerc&Labey(1987)

Temperature range (°C): 0 - 25

Secondary data points: 6

Model test: 6 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX Brandriss&al(1998)

Temperature range (°C): 0 - 20

Secondary data points: 5

Model test: 0 (0 %) within 2s unc.
Comment: OUT

CALCITE/WATER

CARBONATE

TH Zheng(1999)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX Kim&O?Neil(1997)

Temperature range (°C): 10 - 40

Secondary data points: 7

Model test: 7 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX Hu&Clayton(2003)

Temperature range (°C): 300 - 750

Secondary data points: 91

Model test: 91 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX O?Neil&al(1969)

Temperature range (°C): 0 - 500

Secondary data points: 101

Model test: 101 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX Epstein&al(1953)
 Temperature range (°C): 7 - 27
 Secondary data points: 5

 Model test: 5 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

EX Northrop&Clayton(1966)
 Temperature range (°C): 0 - 750
 Secondary data points: 151

 Model test: 151 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

NT Coplen(2007)
 Temperature range (°C): 13 - 38
 Secondary data points: 6

 Model test: 6 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

TH Horita&Clayton(2007)
 Temperature range (°C): 0 - 100
 Secondary data points: 21

 Model test: 21 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

QUARTZ/CALCITE CARBONATE

TH Zheng(1999)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

EX Clayton&al(1989)
 Temperature range (°C): 600 - 900
 Secondary data points: 61

 Model test: 61 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

NT Sharp&Kirschner(1994)
 Temperature range (°C): 100 - 700
 Secondary data points: 121

 Model test: 104 (85.9504 %) within 2s unc.

Comment: PARTIAL FIT

EX Clayton&al(1972)

Temperature range (°C): 200 - 500

Secondary data points: 61

Model test: 61 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

EX Chacko&al(1996)

Temperature range (°C): 500 - 800

Secondary data points: 61

Model test: 61 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

QUARTZ/ANKERITE PURE

TH Zheng&Boettcher(2016)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

ANKERITE/WATER PURE

TH Zheng&Boettcher(2016)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

CALCITE/ANKERITE PURE

TH Zheng&Boettcher(2016)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

QUARTZ/ARAGONITE PURE

TH Zheng(1999)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 45 (97.8261 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

ARAGONITE/WATER PURE

TH Zheng(1999)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

EX Kim&al(2007)

Temperature range (°C): 0 - 40

Secondary data points: 9

Model test: 9 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

NT Patterson&al(1993)

Temperature range (°C): 3 - 28

Secondary data points: 6

Model test: 6 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

NT Grossman&Ku(1986)

Temperature range (°C): 2 - 22

Secondary data points: 5

Model test: 5 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

AZURITE/WATER PURE

EX Melchiorre&al(2000)

Temperature range (°C): 10 - 45

Secondary data points: 8

Model test: 8 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

CERUSSITE/WATER PURE

TH Zheng(1999)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX Melchiorre&al(2001)

Temperature range (°C): 20 - 65

Secondary data points: 10

Model test: 10 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/CERUSSITE PURE

TH Zheng(1999)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 44 (95.6522 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

DOLOMITE/WATER CARBONATE

TH Zheng&Boettcher(2016)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX Northrop&Clayton(1966)

Temperature range (°C): 300 - 510

Secondary data points: 43

Model test: 43 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX Matthews&Katz(1977)

Temperature range (°C): 252 - 292

Secondary data points: 9

Model test: -----
 9 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

EX Vasconcelos&al(2005)
 Temperature range (°C): 25 - 45
 Secondary data points: 5

Model test: -----
 5 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

EX Horita(2014)
 Temperature range (°C): 80 - 350
 Secondary data points: 55

Model test: -----
 55 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

EX Horita(2014)
 Temperature range (°C): 200 - 350
 Secondary data points: 31

Model test: -----
 31 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

EX Schmidt&al(2005)
 Temperature range (°C): 40 - 80
 Secondary data points: 9

Model test: -----
 9 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

EX Fritz&Smith(1970)
 Temperature range (°C): 25 - 80
 Secondary data points: 12

Model test: -----
 12 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

QUARTZ/DOLOMITE CARBONATE

TH Zheng&Boettcher(2016)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

Model test: -----
 44 (95.6522 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

CALCITE/DOLOMITE CARBONATE

TH Zheng&Boettcher(2016)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

EX Northrop&Clayton(1966)

Temperature range (°C): 300 - 510

Secondary data points: 43

Model test: 43 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

NT Sheppard&Schwarcz(1970)

Temperature range (°C): 100 - 650

Secondary data points: 111

Model test: 111 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

EX O'Neil&Epstein(1966)

Temperature range (°C): 350 - 400

Secondary data points: 11

Model test: 11 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

QUARTZ/MAGNESITE CARBONATE

TH Zheng(1999)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 44 (95.6522 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

MAGNESITE/WATER CARBONATE

TH Zheng(1999)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

MALACHITE/WATER PURE

EX Melchiorre&al(2000)

Temperature range (°C): 0 - 50

Secondary data points: 11

Model test: 11 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

NORSETHITE/WATER PURE

TH Zheng&Boettcher(2016)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX B?tcher(2000)

Temperature range (°C): 20 - 135

Secondary data points: 24

Model test: 24 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/NORSETHITE PURE

TH Zheng&Boettcher(2016)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 44 (95.6522 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/NORSETHITE PURE

TH Zheng&Boettcher(2016)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

OTAVITE/WATER PURE

TH Zheng(1999)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX Kim&O'Neil(1997)

Temperature range (°C): 0 - 500

Secondary data points: 101

Model test: 101 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/OTAVITE PURE

TH Zheng(1999)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 44 (95.6522 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

RHOD°CHROSITE/WATER PURE

TH Zheng(1999)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX Kim&al(2009)

Temperature range (°C): 10 - 40

Secondary data points: 7

Model test: 7 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/RHOD°CHROSITE PURE

TH Zheng(1999)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 44 (95.6522 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

SIDERITE/WATER PURE

TH Zheng(1999)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

MX Becker&Clayton(1976)

Temperature range (°C): 0 - 725

Secondary data points: 146

Model test: 146 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

EX Carothers&al(1988)

Temperature range (°C): 30 - 200

Secondary data points: 35

Model test: 35 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

EX Zhang&al(2001)

Temperature range (°C): 45 - 75

Secondary data points: 7

Model test: 7 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

QUARTZ/SIDERITE PURE

TH Zheng(1999)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 45 (97.8261 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

SMITHSONITE/WATER PURE

TH Zheng(1999)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/SMITHSONITE PURE

TH Zheng(1999)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 44 (95.6522 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

STRONTIANITE/WATER PURE

TH Zheng(1999)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX O?Neil&al(1969)

Temperature range (°C): 0 - 500

Secondary data points: 101

Model test: 101 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/STRONTIANITE PURE

TH Zheng(1999)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 45 (97.8261 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

WITHERITE/WATER PURE

TH Zheng(1999)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX O'Neil&al(1969)

Temperature range (°C): 0 - 500

Secondary data points: 101

Model test: 101 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX Kim&O'Neil(1997)

Temperature range (°C): 0 - 500

Secondary data points: 101

Model test: 101 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/WITHERITE PURE

TH Zheng(1999)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

ALBITE/WATER FELDSPAR

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800

Secondary data points: 26

Model test: -----
 Comment: 26 (100 %) within 2s unc.
 FIT WITHIN UNCERTAINTY

EX O?Neil&Taylor(1967)
 Temperature range (°C): 350 - 800
 Secondary data points: 46

Model test: -----
 Comment: 46 (100 %) within 2s unc.
 FIT WITHIN UNCERTAINTY

MX Bottinga&Javoy(1973)
 Temperature range (°C): 500 - 800
 Secondary data points: 61

Model test: -----
 Comment: 61 (100 %) within 2s unc.
 FIT WITHIN UNCERTAINTY

EX Matsuhisa&al(1979)
 Temperature range (°C): 500 - 700
 Secondary data points: 41

Model test: -----
 Comment: 41 (100 %) within 2s unc.
 FIT WITHIN UNCERTAINTY

EX Matsuhisa&al(1979)
 Temperature range (°C): 400 - 500
 Secondary data points: 21

Model test: -----
 Comment: 21 (100 %) within 2s unc.
 FIT WITHIN UNCERTAINTY

QUARTZ/ALBITE FELDSPAR

TH Zheng(1993a)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

Model test: -----
 Comment: 46 (100 %) within 2s unc.
 FIT WITHIN UNCERTAINTY

EX Matsuhisa&al(1979)
 Temperature range (°C): 500 - 800
 Secondary data points: 61

Model test: -----
 Comment: 51 (83.6066 %) within 2s unc.
 PARTIAL FIT

EX Matsuhisa&al(1979)

Temperature range (°C): 400 - 500

Secondary data points: 21

Model test: 21 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

EX Matthews&al(1983a)

Temperature range (°C): 400 - 800

Secondary data points: 81

Model test: 81 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

EX Chiba&al(1989)

Temperature range (°C): 600 - 800

Secondary data points: 41

Model test: 41 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

CALCITE/ALBITE

FELDSPAR

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

TH Hoffbauer&al(1994)

Temperature range (°C): 600 - 900

Secondary data points: 16

Model test: 16 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

EX Chiba&al(1989)

Temperature range (°C): 600 - 900

Secondary data points: 61

Model test: 61 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

EX Clayton&al(1989)

Temperature range (°C): 600 - 900

Secondary data points: 61

Model test: 61 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

ANORTHITE/WATER FELDSPAR

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800

Secondary data points: 26

Model test: 26 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX O'Neil&Taylor(1967)

Temperature range (°C): 500 - 800

Secondary data points: 31

Model test: 31 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

MX Bottinga&Javoy(1973)

Temperature range (°C): 500 - 800

Secondary data points: 61

Model test: 61 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX Matsuhisa&al(1979)

Temperature range (°C): 500 - 750

Secondary data points: 51

Model test: 51 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX Matsuhisa&al(1979)

Temperature range (°C): 400 - 500

Secondary data points: 21

Model test: 21 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/ANORTHITE

FELDSPAR

TH Zheng(1993a)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

EX Matsuhisa&al(1979)
 Temperature range (°C): 500 - 800
 Secondary data points: 61

 Model test: 61 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

EX Matsuhisa&al(1979)
 Temperature range (°C): 400 - 500
 Secondary data points: 21

 Model test: 21 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

MX Javoy&al(1970)
 Temperature range (°C): 200 - 900
 Secondary data points: 141

 Model test: 122 (86.5248 %) within 2s unc.
 Comment: PARTIAL FIT

EX Matthews&al(1983a)
 Temperature range (°C): 400 - 800
 Secondary data points: 81

 Model test: 81 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

EX Chiba&al(1989)
 Temperature range (°C): 600 - 800
 Secondary data points: 41

 Model test: 41 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

CALCITE/ANORTHITE FELDSPAR

TH Zheng(1993a)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

EX Chiba&al(1989)

Temperature range (°C): 600 - 900

Secondary data points: 61

Model test: 61 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

EX Clayton&al(1989)

Temperature range (°C): 600 - 900

Secondary data points: 61

Model test: 61 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

KFELDSPAR/WATER

FELDSPAR

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800

Secondary data points: 26

Model test: 26 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

EX O?Neil&Taylor(1967)

Temperature range (°C): 500 - 800

Secondary data points: 31

Model test: 31 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

QUARTZ/KFELDSPAR

FELDSPAR

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 43 (93.4783 %) within 2s unc.

Comment: PARTIAL FIT

MX Javoy&al(1970)

Temperature range (°C): 200 - 900

Secondary data points: 141

Model test: 137 (97.1631 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

CALCITE/KFELDSPAR

FELDSPAR

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

TH Hoffbauer&al(1994)

Temperature range (°C): 600 - 900

Secondary data points: 16

Model test: 16 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

QUARTZ/ANDRADITE

GARNET

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 44 (95.6522 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

ANDRADITE/WATER

GARNET

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800

Secondary data points: 26

Model test: -----
 26 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

CALCITE/ANDRADITE GARNET

TH Zheng(1993a)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

TH Hoffbauer&al(1994)
 Temperature range (°C): 600 - 900
 Secondary data points: 16

 Model test: 16 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

GROSSULAR/WATER GARNET

TH Zheng(1993a)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

MX Matthews(1994)
 Temperature range (°C): 600 - 800
 Secondary data points: 41

 Model test: 41 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)
 Temperature range (°C): 300 - 800
 Secondary data points: 101

 Model test: 101 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

QUARTZ/GROSSULAR GARNET

TH Zheng(1993a)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 44 (95.6522 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

NT Valley&al(2003)
 Temperature range (°C): 500 - 900
 Secondary data points: 81

 Model test: 81 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

MX Matthews(1994)
 Temperature range (°C): 600 - 800
 Secondary data points: 41

 Model test: 41 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

EX Chacko&al(2001)
 Temperature range (°C): 800 - 900
 Secondary data points: 21

 Model test: 21 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

CALCITE/GROSSULAR GARNET

TH Zheng(1993a)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

TH Hoffbauer&al(1994)
 Temperature range (°C): 600 - 900
 Secondary data points: 16

 Model test: 16 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

EX Rosenbaum&Mattey(1995)
 Temperature range (°C): 800 - 900
 Secondary data points: 21

 Model test: 21 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

EX Matthews(1994)

Temperature range (°C): 400 - 700

Secondary data points: 61

Model test: 61 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

QUARTZ/ALMANDINE

GARNET

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 45 (97.8261 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

NT Valley&al(2003)

Temperature range (°C): 500 - 900

Secondary data points: 81

Model test: 81 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

ALMANDINE/WATER

GARNET

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800

Secondary data points: 26

Model test: 26 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

CALCITE/ALMANDINE

GARNET

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

PYROPE/WATER GARNET

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800

Secondary data points: 26

Model test: 26 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/PYROPE GARNET

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 45 (97.8261 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/PYROPE GARNET

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/SPESSARTINE GARNET

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 45 (97.8261 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX Lichtenstein&Hoernes(1992)

Temperature range (°C): 500 - 750

Secondary data points: 51

Model test: 51 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

SPESSARTINE/WATER

GARNET

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX Lichtenstein&Hoernes(1992)

Temperature range (°C): 500 - 750

Secondary data points: 51

Model test: 51 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800

Secondary data points: 26

Model test: 26 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/SPESSARTINE

GARNET

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/UVAROVITE

GARNET

TH Zheng(1993a)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 45 (97.8261 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

UVAROVITE/WATER GARNET

TH Zheng(1993a)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)
 Temperature range (°C): 300 - 800
 Secondary data points: 26

 Model test: 26 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

CALCITE/UVAROVITE GARNET

TH Zheng(1993a)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

MELANITE/WATER GARNET

TH Richter&Hoernes(1988)
 Temperature range (°C): 300 - 800
 Secondary data points: 26

 Model test: 26 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

ALLANITE/WATER PURE

TH Richter&Hoernes(1988)
 Temperature range (°C): 300 - 800
 Secondary data points: 26

 Model test: 26 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

QUARTZ/EPIDOTE EPIDOTE

TH Zheng(1993b)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

NT Kohn&Valley(1998)
 Temperature range (°C): 300 - 800
 Secondary data points: 101

 Model test: 89 (88.1188 %) within 2s unc.
 Comment: PARTIAL FIT

MX Matthews(1994)
 Temperature range (°C): 400 - 700
 Secondary data points: 61

 Model test: 61 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

EX Matthews&Schliestedt(1984)
 Temperature range (°C): 350 - 600
 Secondary data points: 51

 Model test: 51 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

EPIDOTE/WATER EPIDOTE

TH Zheng(1993b)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)
 Temperature range (°C): 300 - 800
 Secondary data points: 26

 Model test: 26 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

CALCITE/EPIDOTE EPIDOTE

TH Zheng(1993b)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

PIEMONTITE/WATER EPIDOTE

TH Richter&Hoernes(1988)
 Temperature range (°C): 300 - 800
 Secondary data points: 26

 Model test: 26 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

ZOISITE/WATER EPIDOTE

TH Zheng(1993b)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)
 Temperature range (°C): 300 - 800
 Secondary data points: 26

 Model test: 26 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

EX Matthews&al(1983c)
 Temperature range (°C): 400 - 700
 Secondary data points: 61

Model test: 61 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/ZOISITE EPIDOTE

TH Zheng(1993b)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 43 (93.4783 %) within 2s unc.
Comment: PARTIAL FIT

EX Matthews(1994)

Temperature range (°C): 400 - 700
Secondary data points: 61

Model test: 61 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/ZOISITE EPIDOTE

TH Zheng(1993b)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX Matthews(1994)

Temperature range (°C): 400 - 700
Secondary data points: 61

Model test: 61 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/ACTINOLITE AMPHIBOLE

TH Zheng(1993b)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 44 (95.6522 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

ACTINOLITE/WATER AMPHIBOLE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

CALCITE/ACTINOLITE AMPHIBOLE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

QUARTZ/ANTHOPHYLLITE AMPHIBOLE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 44 (95.6522 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

ANTHOPHYLLITE/WATER AMPHIBOLE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

CALCITE/ANTHOPHYLLITE AMPHIBOLE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CUMMINGTONITE/WATER AMPHIBOLE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800

Secondary data points: 26

Model test: 26 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/CUMMINGTONITE AMPHIBOLE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/CUMMINGTONITE AMPHIBOLE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EDENITE/WATER AMPHIBOLE

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800

Secondary data points: 26

Model test: 26 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/EDENITE AMPHIBOLE

TH Hoffbauer&al(1994)
Temperature range (°C): 600 - 900
Secondary data points: 16

Model test: 16 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

GEDRITE/WATER AMPHIBOLE

TH Zheng(1993b)
Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)
Temperature range (°C): 300 - 800
Secondary data points: 26

Model test: 26 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/GEDRITE AMPHIBOLE

TH Zheng(1993b)
Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 44 (95.6522 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/GEDRITE AMPHIBOLE

TH Zheng(1993b)
Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/GLAUCOPHANE AMPHIBOLE

TH Zheng(1993b)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

NT Kohn&Valley(1998c)

Temperature range (°C): 300 - 800
Secondary data points: 101

Model test: 89 (88.1188 %) within 2s unc.
Comment: PARTIAL FIT

MX Javoy&al(1970)

Temperature range (°C): 300 - 800
Secondary data points: 101

Model test: 101 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

GLAUCOPHANE/WATER AMPHIBOLE

TH Zheng(1993b)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800
Secondary data points: 26

Model test: 26 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/GLAUCOPHANE AMPHIBOLE

TH Hoffbauer&al(1994)

Temperature range (°C): 600 - 900
Secondary data points: 16

Model test: 16 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

GRUNERITE/WATER AMPHIBOLE

TH Zheng(1993b)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/GRUNERITE AMPHIBOLE

TH Zheng(1993b)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 44 (95.6522 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/GRUNERITE AMPHIBOLE

TH Zheng(1993b)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/HORNBLEND AMPHIBOLE

TH Zheng(1993b)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

MX Javoy&al(1970)

Temperature range (°C): 200 - 900
Secondary data points: 141

Model test: 132 (93.617 %) within 2s unc.
Comment: PARTIAL FIT

HORNBLENDE/WATER

AMPHIBOLE

TH Zheng(1993b)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800
Secondary data points: 26

Model test: 26 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/HORNBLENDE

AMPHIBOLE

TH Zheng(1993b)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

TH Hoffbauer&al(1994)

Temperature range (°C): 600 - 900
Secondary data points: 16

Model test: 16 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

KATOPHORITE/WATER

AMPHIBOLE

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800
Secondary data points: 26

Model test: 26 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

QUARTZ/PARGASITE

AMPHIBOLE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

PARGASITE/WATER

AMPHIBOLE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800

Secondary data points: 26

Model test: 26 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

CALCITE/PARGASITE

AMPHIBOLE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

TH Hoffbauer&al(1994)

Temperature range (°C): 600 - 900

Secondary data points: 16

Model test: 16 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

RICHTERITE/WATER AMPHIBOLE

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800

Secondary data points: 26

Model test: 26 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

RIEBECKITE/WATER AMPHIBOLE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

QUARTZ/RIEBECKITE AMPHIBOLE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 45 (97.8261 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

CALCITE/RIEBECKITE AMPHIBOLE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

TARAMITE/WATER AMPHIBOLE

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800

Secondary data points: 26

Model test: 26 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

TREMOLITE/WATER AMPHIBOLE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800

Secondary data points: 26

Model test: 26 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

QUARTZ/TREMOLITE AMPHIBOLE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 45 (97.8261 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

CALCITE/TREMOLITE AMPHIBOLE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

TH Hoffbauer&al(1994)

Temperature range (°C): 600 - 900

Secondary data points: 16

Model test: 16 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

TSCHERMAKITE/WATER AMPHIBOLE

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800

Secondary data points: 26

Model test: 26 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

CALCITE/TSCHERMAKITE AMPHIBOLE

TH Hoffbauer&al(1994)

Temperature range (°C): 600 - 900

Secondary data points: 16

Model test: 16 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

QUARTZ/CHAMOSITE CHLORITE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 44 (95.6522 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

CHAMOSITE/WATER CHLORITE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

CALCITE/CHAMOSITE CHLORITE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

QUARTZ/CLIN°CHLORE CHLORITE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 44 (95.6522 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CLIN°CHLORE/WATER CHLORITE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/CLIN°CHLORE CHLORITE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/CHLORITE CHLORITE

NT Lacroix&Vennmann(2015)

Temperature range (°C): 240 - 550

Secondary data points: 63

Model test: 63 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CHLORITE/WATER CHLORITE

NT Wenner&Taylor(1971)

Temperature range (°C): 150 - 400
Secondary data points: 51

Model test: 51 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800
Secondary data points: 26

Model test: 26 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

THURINGITE/WATER CHLORITE

TH Zheng(1993b)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/THURINGITE CHLORITE

TH Zheng(1993b)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 45 (97.8261 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/THURINGITE CHLORITE

TH Zheng(1993b)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/MARGARITE PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

MARGARITE/WATER PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800

Secondary data points: 26

Model test: 23 (88.4615 %) within 2s unc.

Comment: PARTIAL FIT

CALCITE/MARGARITE PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

TH Hoffbauer&al(1994)

Temperature range (°C): 600 - 900

Secondary data points: 16

Model test: 13 (81.25 %) within 2s unc.

Comment: PARTIAL FIT

QUARTZ/MUSCOVITE WHITEMICA

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 45 (97.8261 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

MX Matthews&Schliestedt(1984)

Temperature range (°C): 500 - 650

Secondary data points: 31

Model test: 31 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

MX Bottinga&Javoy(1973)

Temperature range (°C): 500 - 800

Secondary data points: 61

Model test: 61 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

EX Chacko&al(1996)

Temperature range (°C): 500 - 800

Secondary data points: 61

Model test: 61 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

EX Chacko&al(2001)

Temperature range (°C): 550 - 800

Secondary data points: 51

Model test: 51 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

NT Kohn&Valley(1998a)

Temperature range (°C): 300 - 800

Secondary data points: 101

Model test: 97 (96.0396 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

MX Javoy&al(1970)

Temperature range (°C): 400 - 800

Secondary data points: 81

Model test: 81 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

MUSCOVITE/WATER

WHITEMICA

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: -----
 Comment: 46 (100 %) within 2s unc.
 FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)
 Temperature range (°C): 300 - 800
 Secondary data points: 26

Model test: -----
 Comment: 26 (100 %) within 2s unc.
 FIT WITHIN UNCERTAINTY

EX O'Neil&Taylor(1969)
 Temperature range (°C): 400 - 650
 Secondary data points: 51

Model test: -----
 Comment: 51 (100 %) within 2s unc.
 FIT WITHIN UNCERTAINTY

MX Bottinga&Javoy(1973)
 Temperature range (°C): 500 - 800
 Secondary data points: 61

Model test: -----
 Comment: 61 (100 %) within 2s unc.
 FIT WITHIN UNCERTAINTY

CALCITE/MUSCOVITE WHITEMICA

TH Zheng(1993b)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

Model test: -----
 Comment: 46 (100 %) within 2s unc.
 FIT WITHIN UNCERTAINTY

EX Chacko&al(1996)
 Temperature range (°C): 550 - 650
 Secondary data points: 21

Model test: -----
 Comment: 21 (100 %) within 2s unc.
 FIT WITHIN UNCERTAINTY

TH Hoffbauer&al(1994)
 Temperature range (°C): 600 - 900
 Secondary data points: 16

Model test: -----
 Comment: 15 (93.75 %) within 2s unc.
 PARTIAL FIT

PARAGONITE/WATER

WHITEMICA

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800

Secondary data points: 26

Model test: 26 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

EX O'Neil&Taylor(1969)

Temperature range (°C): 350 - 650

Secondary data points: 61

Model test: 61 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

QUARTZ/PARAGONITE

WHITEMICA

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

CALCITE/PARAGONITE

WHITEMICA

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

TH Hoffbauer&al(1994)

Temperature range (°C): 600 - 900

Secondary data points: 16

Model test: 16 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

PHENGITE/WATER WHITEMICA

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800

Secondary data points: 26

Model test: 26 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/PHENGITE WHITEMICA

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 44 (95.6522 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/PHENGITE WHITEMICA

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

TH Hoffbauer&al(1994)

Temperature range (°C): 600 - 900

Secondary data points: 16

Model test: 16 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/ANNITE BIOTITE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 45 (97.8261 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

ANNITE/WATER BIOTITE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800

Secondary data points: 26

Model test: 26 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

CALCITE/ANNITE BIOTITE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

QUARTZ/BIOTITE BIOTITE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

NT Bottinga&Javoy(1975)

Temperature range (°C): 500 - 900

Secondary data points: 81

Model test: 81 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

MX Javoy&al(1970)

Temperature range (°C): 500 - 900
Secondary data points: 81

Model test: 71 (87.6543 %) within 2s unc.
Comment: PARTIAL FIT

BIOTITE/WATER

BIOTITE

TH Zheng(1993b)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800
Secondary data points: 26

Model test: 26 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/BIOTITE

BIOTITE

TH Zheng(1993b)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

TH Hoffbauer&al(1994)

Temperature range (°C): 600 - 900
Secondary data points: 16

Model test: 16 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

TH Hoffbauer&al(1994)

Temperature range (°C): 600 - 900
Secondary data points: 16

Model test: -----
 Comment: 16 (100 %) within 2s unc.
 FIT WITHIN UNCERTAINTY

TH Hoffbauer&al(1994)

Temperature range (°C): 600 - 900
 Secondary data points: 16

Model test: -----
 Comment: 16 (100 %) within 2s unc.
 FIT WITHIN UNCERTAINTY

QUARTZ/F-PHLOGOPITE

BIOTITE

EX Chacko&al(2001)

Temperature range (°C): 500 - 800
 Secondary data points: 61

Model test: -----
 Comment: 59 (96.7213 %) within 2s unc.
 FIT WITHIN UNCERTAINTY

CALCITE/F-PHLOGOPITE

BIOTITE

EX Chacko&al(1996)

Temperature range (°C): 500 - 800
 Secondary data points: 61

Model test: -----
 Comment: 61 (100 %) within 2s unc.
 FIT WITHIN UNCERTAINTY

EX Fortier&al(1994)

Temperature range (°C): 400 - 800
 Secondary data points: 81

Model test: -----
 Comment: 81 (100 %) within 2s unc.
 FIT WITHIN UNCERTAINTY

PHLOGOPITE/WATER

BIOTITE

TH Zheng(1993b)

Temperature range (°C): 0 - 900
 Secondary data points: 46

Model test: -----
 Comment: 46 (100 %) within 2s unc.
 FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)
 Temperature range (°C): 300 - 800
 Secondary data points: 26

 Model test: 26 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

QUARTZ/PHLOGOPITE BIOTITE

TH Zheng(1993b)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 45 (97.8261 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

EX Chacko&al(2001)
 Temperature range (°C): 500 - 800
 Secondary data points: 61

 Model test: 61 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

CALCITE/PHLOGOPITE BIOTITE

TH Zheng(1993b)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

EX Chacko&al(1996)
 Temperature range (°C): 650 - 800
 Secondary data points: 31

 Model test: 31 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

TH Hoffbauer&al(1994)
 Temperature range (°C): 600 - 900
 Secondary data points: 16

 Model test: 16 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

QUARTZ/GLAUCONITE PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 45 (97.8261 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

GLAUCONITE/WATER PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800

Secondary data points: 26

Model test: 26 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/GLAUCONITE PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/LEPIDOLITE PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

LEPIDOLITE/WATER PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800

Secondary data points: 26

Model test: 26 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

CALCITE/LEPIDOLITE PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

QUARTZ/ACMITE CLINOPYROXENE

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

ACMITE/WATER CLINOPYROXENE

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800
Secondary data points: 26

Model test: 26 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/ACMITE CLINOPYROXENE

TH Zheng(1993a)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/DIOPSIDE CLINOPYROXENE

TH Zheng(1993a)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX Chiba&al(1989)

Temperature range (°C): 600 - 900
Secondary data points: 61

Model test: 61 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX Matthews&al(1983a)

Temperature range (°C): 400 - 800
Secondary data points: 81

Model test: 76 (93.8272 %) within 2s unc.
Comment: PARTIAL FIT

DIOPSIDE/WATER CLINOPYROXENE

TH Zheng(1993a)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800

Secondary data points: 26

Model test: 26 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

CALCITE/DIOPSIDE

CLINOPYROXENE

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

EX Chiba&al(1989)

Temperature range (°C): 600 - 900

Secondary data points: 61

Model test: 61 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

TH Hoffbauer&al(1994)

Temperature range (°C): 600 - 900

Secondary data points: 16

Model test: 16 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

HEDENBERGITE/WATER

CLINOPYROXENE

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800

Secondary data points: 26

Model test: 26 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

QUARTZ/HEDENBERGITE

CLINOPYROXENE

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 44 (95.6522 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/HEDENBERGITE

CLINOPYROXENE

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/JADEITE

CLINOPYROXENE

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX Matthews(1994)

Temperature range (°C): 400 - 600

Secondary data points: 41

Model test: 38 (92.6829 %) within 2s unc.
Comment: PARTIAL FIT

EX Matthews&al(1983a)

Temperature range (°C): 400 - 800

Secondary data points: 81

Model test: 81 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

JADEITE/WATER

CLINOPYROXENE

TH Zheng(1993a)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)
 Temperature range (°C): 300 - 800
 Secondary data points: 26

 Model test: 26 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

EX Matthews(1994)
 Temperature range (°C): 400 - 600
 Secondary data points: 41

 Model test: 41 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

CALCITE/JADEITE CLINOPYROXENE

TH Zheng(1993a)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

EX Matthews(1994)
 Temperature range (°C): 400 - 600
 Secondary data points: 41

 Model test: 41 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

TH Hoffbauer&al(1994)
 Temperature range (°C): 600 - 900
 Secondary data points: 16

 Model test: 16 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

ENSTATITE/WATER ORTHOPYROXENE

TH Zheng(1993a)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)
 Temperature range (°C): 300 - 800
 Secondary data points: 26

 Model test: 26 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

QUARTZ/ENSTATITE ORTHOPYROXENE

TH Zheng(1993a)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)
 Temperature range (°C): 300 - 800
 Secondary data points: 26

 Model test: 23 (88.4615 %) within 2s unc.
 Comment: PARTIAL FIT

CALCITE/ENSTATITE ORTHOPYROXENE

TH Zheng(1993a)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

FERROSILITE/WATER ORTHOPYROXENE

TH Zheng(1993a)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/FERROSILITE ORTHOPYROXENE

TH Zheng(1993a)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800
Secondary data points: 26

Model test: 23 (88.4615 %) within 2s unc.
Comment: PARTIAL FIT

CALCITE/FERROSILITE ORTHOPYROXENE

TH Zheng(1993a)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

FAYALITE/WATER OLIVINE

TH Zheng(1993a)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800
Secondary data points: 26

Model test: 26 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/FAYALITE OLIVINE

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800

Secondary data points: 26

Model test: 23 (88.4615 %) within 2s unc.

Comment: PARTIAL FIT

CALCITE/FAYALITE OLIVINE

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

FORSTERITE/WATER OLIVINE

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800

Secondary data points: 26

Model test: 26 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

QUARTZ/FORSTERITE OLIVINE

TH Zheng(1993a)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800
Secondary data points: 26

Model test: 25 (96.1538 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX Chiba&al(1989)

Temperature range (°C): 200 - 900
Secondary data points: 141

Model test: 132 (93.617 %) within 2s unc.
Comment: PARTIAL FIT

CALCITE/FORSTERITE

OLIVINE

TH Zheng(1993a)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX Zheng&al(1994)

Temperature range (°C): 600 - 900
Secondary data points: 61

Model test: 61 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

TH Hoffbauer&al(1994)

Temperature range (°C): 600 - 900
Secondary data points: 16

Model test: 16 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX Chiba&al(1989)

Temperature range (°C): 700 - 900
Secondary data points: 41

Model test: 41 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/TEPHROITE OLIVINE

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

TEPHROITE/WATER OLIVINE

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/TEPHROITE OLIVINE

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

ANALCIME/WATER PURE

MX Karlsson&Clayton(1990)

Temperature range (°C): 25 - 400

Secondary data points: 76

Model test: 76 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

STILBITE/WATER PURE

EX Feng&Savin(1993)

Temperature range (°C): 220 - 300

Secondary data points: 17

Model test: 17 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

WAIRAKITE/WATER PURE

EX Noto&Kusakabe(1997)

Temperature range (°C): 250 - 400

Secondary data points: 31

Model test: 31 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/ANDALUSITE PURE

TH Zheng(1993c)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

NT Sharp(1995)

Temperature range (°C): 535 - 900

Secondary data points: 74

Model test: 68 (91.8919 %) within 2s unc.
Comment: PARTIAL FIT

ANDALUSITE/WATER PURE

TH Zheng(1993c)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800

Secondary data points: 26

Model test: 26 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/ANDALUSITE PURE

TH Zheng(1993c)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

TH Hoffbauer&al(1994)

Temperature range (°C): 600 - 900

Secondary data points: 16

Model test: 15 (93.75 %) within 2s unc.
Comment: PARTIAL FIT

QUARTZ/KYANITE PURE

TH Zheng(1993c)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 43 (93.4783 %) within 2s unc.
Comment: PARTIAL FIT

NT Sharp(1995)

Temperature range (°C): 535 - 900

Secondary data points: 74

Model test: 74 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

KYANITE/WATER PURE

TH Zheng(1993c)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800

Secondary data points: 26

Model test: -----
 26 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

CALCITE/KYANITE PURE

TH Zheng(1993c)

Temperature range (°C): 0 - 900
 Secondary data points: 46

Model test: -----
 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

TH Hoffbauer&al(1994)

Temperature range (°C): 600 - 900
 Secondary data points: 16

Model test: -----
 12 (75 %) within 2s unc.
 Comment: PARTIAL FIT

EX Tennie&al(1998)

Temperature range (°C): 625 - 775
 Secondary data points: 31

Model test: -----
 14 (45.1613 %) within 2s unc.
 Comment: BAD FIT

QUARTZ/SILLIMANITE PURE

TH Zheng(1993c)

Temperature range (°C): 0 - 900
 Secondary data points: 46

Model test: -----
 45 (97.8261 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

NT Sharp(1995)

Temperature range (°C): 535 - 900
 Secondary data points: 74

Model test: -----
 69 (93.2432 %) within 2s unc.
 Comment: PARTIAL FIT

SILLIMANITE/WATER PURE

TH Zheng(1993c)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)
 Temperature range (°C): 300 - 800
 Secondary data points: 26

 Model test: 26 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

CALCITE/SILLIMANITE PURE

TH Zheng(1993c)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

TH Hoffbauer&al(1994)
 Temperature range (°C): 600 - 900
 Secondary data points: 16

 Model test: 16 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

QUARTZ/TOPAZ PURE

TH Zheng(1993b)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

TOPAZ/WATER PURE

TH Zheng(1993b)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/TOPAZ PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/CHLORITOID PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 44 (95.6522 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CHLORITOID/WATER PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/CHLORITOID PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/HERCYNITE PURE

TH Zheng(1991)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 45 (97.8261 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

HERCYNITE/WATER PURE

TH Zheng(1991)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

CALCITE/HERCYNITE PURE

TH Zheng(1991)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

QUARTZ/SPINEL SPINEL

TH Zheng(1991)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

SPINEL/WATER SPINEL

TH Zheng(1991)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

CALCITE/SPINEL

SPINEL

TH Zheng(1991)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

QUARTZ/ULVOESPINEL

PURE

TH Zheng(1991)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 44 (95.6522 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

ULVOESPINEL/WATER

PURE

TH Zheng(1991)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

CALCITE/ULVOESPINEL

PURE

TH Zheng(1991)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

QUARTZ/GEIKELITE

ILMENITE

TH Zheng(1991)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: -----
46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

GEIKELITE/WATER ILMENITE

TH Zheng(1991)
Temperature range (°C): 0 - 900
Secondary data points: 46
Model test: -----
46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/GEIKELITE ILMENITE

TH Zheng(1991)
Temperature range (°C): 0 - 900
Secondary data points: 46
Model test: -----
46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/ILMENITE ILMENITE

TH Zheng(1991)
Temperature range (°C): 0 - 900
Secondary data points: 46
Model test: -----
44 (95.6522 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

ILMENITE/WATER ILMENITE

TH Zheng(1991)
Temperature range (°C): 0 - 900
Secondary data points: 46
Model test: -----
46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/ILMENITE ILMENITE

TH Zheng(1991)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

STAUROLITE/WATER STAUROLITE

TH Zheng(1993b)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)
 Temperature range (°C): 300 - 800
 Secondary data points: 26

 Model test: 24 (92.3077 %) within 2s unc.
 Comment: PARTIAL FIT

QUARTZ/STAUROLITE STAUROLITE

TH Zheng(1993b)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 44 (95.6522 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

NT Kohn&Valley(1998a)
 Temperature range (°C): 525 - 575
 Secondary data points: 11

 Model test: 11 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

CALCITE/STAUROLITE STAUROLITE

TH Zheng(1993b)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

Model test: -----
 Comment: 46 (100 %) within 2s unc.
 FIT WITHIN UNCERTAINTY

TH Hoffbauer&al(1994)

Temperature range (°C): 600 - 900
 Secondary data points: 16

Model test: -----
 Comment: 16 (100 %) within 2s unc.
 FIT WITHIN UNCERTAINTY

QUARTZ/CORDIERITE PURE

TH Zheng(1993a)

Temperature range (°C): 0 - 900
 Secondary data points: 46

Model test: -----
 Comment: 46 (100 %) within 2s unc.
 FIT WITHIN UNCERTAINTY

CORDIERITE/WATER PURE

TH Zheng(1993a)

Temperature range (°C): 0 - 900
 Secondary data points: 46

Model test: -----
 Comment: 46 (100 %) within 2s unc.
 FIT WITHIN UNCERTAINTY

CALCITE/CORDIERITE PURE

TH Zheng(1993a)

Temperature range (°C): 0 - 900
 Secondary data points: 46

Model test: -----
 Comment: 46 (100 %) within 2s unc.
 FIT WITHIN UNCERTAINTY

TH Hoffbauer&al(1994)

Temperature range (°C): 600 - 900
 Secondary data points: 16

Model test: -----
 Comment: 0 (0 %) within 2s unc.
 OUT

QUARTZ/PORTLANDITE PURE

TH Zheng(1998)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 44 (95.6522 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

PORTLANDITE/WATER PURE

TH Zheng(1998)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/PORTLANDITE PURE

TH Zheng(1998)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/APATITE PURE

EX Fortier&L?ttge(1995)

Temperature range (°C): 500 - 800

Secondary data points: 31

Model test: 31 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX Chacko&al(2001)

Temperature range (°C): 500 - 800

Secondary data points: 61

Model test: 61 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/APATITE PURE

EX Chacko&al(2001)

Temperature range (°C): 500 - 800

Secondary data points: 61

Model test: 61 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/MONAZITE PURE

TH Rubatto&al.(2014)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

MX Breecker&Sharp(2007)

Temperature range (°C): 390 - 900

Secondary data points: 103

Model test: 96 (93.2039 %) within 2s unc.
Comment: PARTIAL FIT

XENOTIME/WATER PURE

TH Zheng(1996)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/XENOTIME PURE

TH Zheng(1996)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/XENOTIME PURE

TH Zheng(1996)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CHONDRODITE/WATER PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/CHONDRODITE PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 44 (95.6522 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/CHONDRODITE PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/CLINOHUMITE PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: -----
44 (95.6522 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CLINOHUMITE/WATER PURE

TH Zheng(1993b)
Temperature range (°C): 0 - 900
Secondary data points: 46
Model test: -----
46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/CLINOHUMITE PURE

TH Zheng(1993b)
Temperature range (°C): 0 - 900
Secondary data points: 46
Model test: -----
46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/HUMITE PURE

TH Zheng(1993b)
Temperature range (°C): 0 - 900
Secondary data points: 46
Model test: -----
46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

HUMITE/WATER PURE

TH Zheng(1993b)
Temperature range (°C): 0 - 900
Secondary data points: 46
Model test: -----
46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/HUMITE PURE

TH Zheng(1993b)
Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

NORBERGITE/WATER PURE

TH Zheng(1993b)
Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/NORBERGITE PURE

TH Zheng(1993b)
Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 44 (95.6522 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/NORBERGITE PURE

TH Zheng(1993b)
Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

AKAGANEITE/WATER PURE

EX Bao&K[°]Ch(1999)
Temperature range (°C): 35 - 95
Secondary data points: 13

Model test: 13 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

BRUCITE/WATER PURE

TH Zheng(1998)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX Sacc°Cia&al(1998)

Temperature range (°C): 250 - 450

Secondary data points: 21

Model test: 21 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX Xu&Zheng(1999)

Temperature range (°C): 15 - 115

Secondary data points: 11

Model test: 11 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/BRUCITE PURE

TH Zheng(1998)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 44 (95.6522 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/BRUCITE PURE

TH Zheng(1998)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/DIASPORE PURE

TH Zheng(1998)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

DIASPORE/WATER PURE

TH Zheng(1998)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

CALCITE/DIASPORE PURE

TH Zheng(1998)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

QUARTZ/BOEHMITE PURE

TH Zheng(1998)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

BOEHMITE/WATER PURE

TH Zheng(1998)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

CALCITE/BOEHMITE PURE

TH Zheng(1998)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/GEOTHITE PURE

TH Zheng(1998)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 44 (95.6522 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

GEOTHITE/WATER PURE

TH Zheng(1998)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX Yapp(1987)

Temperature range (°C): 0 - 70

Secondary data points: 15

Model test: 15 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX Yapp(1990)

Temperature range (°C): 25 - 120

Secondary data points: 20

Model test: 20 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX Bao&K°Ch(1999)

Temperature range (°C): 35 - 140

Secondary data points: 22

Model test: -----
 0 (0 %) within 2s unc.
 Comment: OUT

EX M?ller(1995)
 Temperature range (°C): 10 - 65
 Secondary data points: 12

Model test: -----
 0 (0 %) within 2s unc.
 Comment: OUT

EX M?ller(1995)
 Temperature range (°C): 10 - 65
 Secondary data points: 12

Model test: -----
 5 (41.6667 %) within 2s unc.
 Comment: BAD FIT

EX M?ller(1995)
 Temperature range (°C): 10 - 65
 Secondary data points: 12

Model test: -----
 12 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

CALCITE/GEOTHITE PURE

TH Zheng(1998)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

Model test: -----
 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

QUARTZ/LEPID°CR°CITE PURE

TH Zheng(1998)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

Model test: -----
 44 (95.6522 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

LEPID°CR°CITE/WATER PURE

TH Zheng(1998)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

CALCITE/LEPIDOCRACITE PURE

TH Zheng(1998)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

QUARTZ/GIBBSITE PURE

TH Zheng(1998)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 44 (95.6522 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

GIBBSITE/WATER PURE

TH Zheng(1998)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

EX Bird&al(1994)
 Temperature range (°C): 8 - 48
 Secondary data points: 9

 Model test: 9 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

EX Vitali&al(2000)
 Temperature range (°C): 0 - 60
 Secondary data points: 13

Model test: 13 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/GIBBSITE PURE

TH Zheng(1998)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/NORDSTRANDITE PURE

TH Zheng(1998)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

NORDSTRANDITE/WATER PURE

TH Zheng(1998)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/NORDSTRANDITE PURE

TH Zheng(1998)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/BAYERITE PURE

TH Zheng(1998)
Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

BAYERITE/WATER PURE

TH Zheng(1998)
Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/BAYERITE PURE

TH Zheng(1998)
Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/LIMONITE PURE

TH Zheng(1998)
Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

LIMONITE/WATER PURE

TH Zheng(1998)
Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/LIMONITE PURE

TH Zheng(1998)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/PYR°CHROITE PURE

TH Zheng(1998)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 45 (97.8261 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

PYR°CHROITE/WATER PURE

TH Zheng(1998)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/PYR°CHROITE PURE

TH Zheng(1998)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/SPERTINIITE PURE

TH Zheng(1998)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 44 (95.6522 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

SPERTINIITE/WATER PURE

TH Zheng(1998)
Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/SPERTINIITE PURE

TH Zheng(1998)
Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/CASSITERITE PURE

TH Zheng(1991)
Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX Zhang&al(1994)
Temperature range (°C): 250 - 500
Secondary data points: 26

Model test: 26 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CASSITERITE/WATER PURE

TH Zheng(1991)
Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: -----
46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX Zhang&al(1994)
Temperature range (°C): 250 - 500
Secondary data points: 26

Model test: -----
26 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/CASSITERITE PURE

TH Zheng(1991)
Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: -----
46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/CERIANITE PURE

TH Zheng(1991)
Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: -----
44 (95.6522 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CERIANITE/WATER PURE

TH Zheng(1991)
Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: -----
46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/CERIANITE PURE

TH Zheng(1991)
Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: -----
46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/CHROMITE PURE

TH Zheng(1991)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: -----
44 (95.6522 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CHROMITE/WATER PURE

TH Zheng(1991)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: -----
46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/CHROMITE PURE

TH Zheng(1991)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: -----
46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/CORUNDUM PURE

TH Zheng(1991)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: -----
46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CORUNDUM/WATER PURE

TH Zheng(1991)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

CALCITE/CORUNDUM PURE

TH Zheng(1991)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 29 (63.0435 %) within 2s unc.
 Comment: PARTIAL FIT

QUARTZ/FRANKLINITE PURE

TH Zheng(1991)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 44 (95.6522 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

FRANKLINITE/WATER PURE

TH Zheng(1991)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

CALCITE/FRANKLINITE PURE

TH Zheng(1991)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

HEMATITE/WATER PURE

TH Zheng(1991)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

MX Clayton&Epstein(1961)

Temperature range (°C): 25 - 120

Secondary data points: 20

Model test: 20 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX Yapp(1990)

Temperature range (°C): 25 - 120

Secondary data points: 20

Model test: 20 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX Bao&K°Ch(1999)

Temperature range (°C): 30 - 140

Secondary data points: 23

Model test: 23 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/HEMATITE PURE

TH Zheng(1991)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 44 (95.6522 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/HEMATITE PURE

TH Zheng(1991)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: -----
 Comment: 46 (100 %) within 2s unc.
 FIT WITHIN UNCERTAINTY

QUARTZ/JACOBSITE PURE

TH Zheng(1991)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 45 (97.8261 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

JACOBSITE/WATER PURE

TH Zheng(1991)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

CALCITE/JACOBSITE PURE

TH Zheng(1991)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

QUARTZ/MAGNESI°CHROMITE PURE

TH Zheng(1991)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

MAGNESI°CHROMITE/WATER PURE

TH Zheng(1991)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

CALCITE/MAGNESI^oCHROMITE

PURE

TH Zheng(1991)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

QUARTZ/MAGNESIOFERRITE

PURE

TH Zheng(1991)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 44 (95.6522 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

MAGNESIOFERRITE/WATER

PURE

TH Zheng(1991)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

CALCITE/MAGNESIOFERRITE

PURE

TH Zheng(1991)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

QUARTZ/MAGNETITE

PURE

TH Zheng(1991)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX Matthews&al(1983a)

Temperature range (°C): 400 - 800

Secondary data points: 81

Model test: 81 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

MX Javoy&al(1970)

Temperature range (°C): 500 - 900

Secondary data points: 81

Model test: 81 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

NT Bottinga&Javoy(1975)

Temperature range (°C): 500 - 900

Secondary data points: 81

Model test: 81 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX Chiba&al(1989)

Temperature range (°C): 200 - 900

Secondary data points: 141

Model test: 120 (85.1064 %) within 2s unc.
Comment: PARTIAL FIT

MAGNETITE/WATER

PURE

TH Zheng(1991)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

MX Bottinga&Javoy(1973)

Temperature range (°C): 500 - 800

Secondary data points: 61

Model test: 61 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

MX Becker&Clayton(1976)

Temperature range (°C): 0 - 725

Secondary data points: 146

Model test: 146 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

CALCITE/MAGNETITE

PURE

TH Zheng(1991)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

EX Chiba&al(1989)

Temperature range (°C): 200 - 900

Secondary data points: 141

Model test: 141 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

QUARTZ/PEROVSKITE

PURE

EX Chacko&al(2001)

Temperature range (°C): 800 - 900

Secondary data points: 21

Model test: 21 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

CALCITE/PEROVSKITE

PURE

EX Gautason&al(1993)

Temperature range (°C): 800 - 900

Secondary data points: 21

Model test: 21 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/PLATTNERITE PURE

TH Zheng(1991)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 45 (97.8261 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

PLATTNERITE/WATER PURE

TH Zheng(1991)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/PLATTNERITE PURE

TH Zheng(1991)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/PYROLUSITE PURE

TH Zheng(1991)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 44 (95.6522 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

PYROLUSITE/WATER PURE

TH Zheng(1991)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

CALCITE/PYROLUSITE PURE

TH Zheng(1991)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

QUARTZ/RUTILE PURE

TH Zheng(1991)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

EX Matthews&Schliestedt(1984)
 Temperature range (°C): 500 - 700
 Secondary data points: 41

 Model test: 41 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

EX Addy&Garlick(1974)
 Temperature range (°C): 575 - 775
 Secondary data points: 41

 Model test: 33 (80.4878 %) within 2s unc.
 Comment: PARTIAL FIT

EX Matthews&al(1979)
 Temperature range (°C): 500 - 700
 Secondary data points: 41

 Model test: 40 (97.561 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

NT Agrinier(1991)

Temperature range (°C): 450 - 800
Secondary data points: 71

Model test: 71 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

MX Matthews(1994)

Temperature range (°C): 400 - 700
Secondary data points: 61

Model test: 52 (85.2459 %) within 2s unc.
Comment: PARTIAL FIT

EX Chacko&al(2001)

Temperature range (°C): 500 - 800
Secondary data points: 61

Model test: 61 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

RUTILE/WATER

PURE

TH Zheng(1991)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX Addy&Garlick(1974)

Temperature range (°C): 575 - 775
Secondary data points: 41

Model test: 38 (92.6829 %) within 2s unc.
Comment: PARTIAL FIT

EX Matthews&al(1979)

Temperature range (°C): 500 - 700
Secondary data points: 41

Model test: 41 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

MX Bird&al(1994)

Temperature range (°C): 22 - 37
Secondary data points: 2

Model test: 2 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/RUTILE PURE

TH Zheng(1991)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX Matthews(1994)

Temperature range (°C): 400 - 700

Secondary data points: 61

Model test: 56 (91.8033 %) within 2s unc.
Comment: PARTIAL FIT

EX Chacko&al(2001)

Temperature range (°C): 500 - 800

Secondary data points: 61

Model test: 61 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/THORIANITE PURE

TH Zheng(1991)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 44 (95.6522 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

THORIANITE/WATER PURE

TH Zheng(1991)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/THORIANITE PURE

TH Zheng(1991)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

QUARTZ/URANINITE PURE

TH Zheng(1991)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

URANINITE/WATER PURE

TH Zheng(1991)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

CALCITE/URANINITE PURE

TH Zheng(1991)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

QUARTZ/WOLFRAMITE PURE

TH Zheng(1992)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 44 (95.6522 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

WOLFRAMITE/WATER PURE

TH Zheng(1992)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX Zhang&al(1994)

Temperature range (°C): 200 - 420

Secondary data points: 23

Model test: 23 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

LEUCITE/WATER PURE

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/LEUCITE PURE

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/LEUCITE PURE

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

NEPHELINE/WATER PURE

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/NEPHELINE PURE

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/NEPHELINE PURE

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/PECTOLITE PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 45 (97.8261 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

PECTOLITE/WATER PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/PECTOLITE PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/RHODONITE PURE

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

RHODONITE/WATER PURE

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/RHODONITE PURE

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

ALUNITE/WATER PURE

EX Stoffregen&al(1994)

Temperature range (°C): 250 - 450

Secondary data points: 41

Model test: 41 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

EX Stoffregen&al(1994)

Temperature range (°C): 250 - 450

Secondary data points: 41

Model test: 36 (87.8049 %) within 2s unc.

Comment: PARTIAL FIT

ANGLESITE/WATER PURE

TH Zheng(1999)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

QUARTZ/ANGLESITE PURE

TH Zheng(1999)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

ANHYDRITE/WATER PURE

TH Zheng(1999)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

EX Lloyd(1968)

Temperature range (°C): 100 - 500

Secondary data points: 41

Model test: 15 (36.5854 %) within 2s unc.
Comment: BAD FIT

EX Chiba&al(1981)

Temperature range (°C): 100 - 550
Secondary data points: 46

Model test: 21 (45.6522 %) within 2s unc.
Comment: BAD FIT

BARITE/WATER PURE

TH Zheng(1999)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX Kusakabe&Robinson(1977)

Temperature range (°C): 110 - 350
Secondary data points: 25

Model test: 19 (76 %) within 2s unc.
Comment: PARTIAL FIT

QUARTZ/BARITE PURE

TH Zheng(1999)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

AMESITE/WATER CHLORITE

TH Zheng(1993b)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800

Secondary data points: 26

Model test: 24 (92.3077 %) within 2s unc.

Comment: PARTIAL FIT

QUARTZ/AMESITE

CHLORITE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 45 (97.8261 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

CALCITE/AMESITE

CHLORITE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

CHRYSTILE/WATER

PURE

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800

Secondary data points: 26

Model test: 26 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

QUARTZ/LIZARDITE

PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

LIZARDITE/WATER PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/LIZARDITE PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

SERPENTINE/WATER PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

NT Wenner&Taylor(1971)

Temperature range (°C): 150 - 400

Secondary data points: 51

Model test: 51 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

NT Fr?h-Green&al(1996)

Temperature range (°C): 150 - 400

Secondary data points: 51

Model test: 51 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/SERPENTINE PURE

TH Zheng(1993b)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

CALCITE/SERPENTINE PURE

TH Zheng(1993b)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

QUARTZ/ILLITE PURE

TH Zheng(1993b)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

NT Eslinger&Savin(1973)
 Temperature range (°C): 160 - 270
 Secondary data points: 23

 Model test: 23 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

ILLITE/WATER PURE

TH Zheng(1993b)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

MX Savin&Lee(1988)
 Temperature range (°C): 160 - 270
 Secondary data points: 23

Model test: -----
23 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

MX Sheppard&Gilg(1996)

Temperature range (°C): 0 - 350

Secondary data points: 71

Model test: -----
71 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/ILLITE PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: -----
46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/KAOLINITE PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: -----
44 (95.6522 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

KAOLINITE/WATER PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: -----
46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

MX Sheppard&Gilg(1996)

Temperature range (°C): 0 - 350

Secondary data points: 71

Model test: -----
68 (95.7746 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)
 Temperature range (°C): 300 - 800
 Secondary data points: 26

 Model test: 26 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

MX Eslinger(1971)
 Temperature range (°C): 0 - 350
 Secondary data points: 71

 Model test: 71 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

EX Kulla(1978)
 Temperature range (°C): 170 - 320
 Secondary data points: 31

 Model test: 31 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

CALCITE/KAOLINITE PURE

TH Zheng(1993b)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 46 (100 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

QUARTZ/PYROPHYLLITE PURE

TH Zheng(1993b)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

 Model test: 45 (97.8261 %) within 2s unc.
 Comment: FIT WITHIN UNCERTAINTY

PYROPHYLLITE/WATER PURE

TH Zheng(1993b)
 Temperature range (°C): 0 - 900
 Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/PYROPHYLLITE PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

SMECTITE/WATER PURE

MX Sheppard&Gilg(1996)

Temperature range (°C): 0 - 350
Secondary data points: 71

Model test: 0 (0 %) within 2s unc.
Comment: OUT

MX Savin&Lee(1988)

Temperature range (°C): 0 - 350
Secondary data points: 71

Model test: 0 (0 %) within 2s unc.
Comment: OUT

EX Escande&al(1984)

Temperature range (°C): 25 - 85
Secondary data points: 4

Model test: 4 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

TALC/WATER PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800
Secondary data points: 26

Model test: 24 (92.3077 %) within 2s unc.
Comment: PARTIAL FIT

QUARTZ/TALC PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 45 (97.8261 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/TALC PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

TH Hoffbauer&al(1994)

Temperature range (°C): 600 - 900
Secondary data points: 16

Model test: 15 (93.75 %) within 2s unc.
Comment: PARTIAL FIT

MALAYAITE/WATER PURE

TH Zheng(1993a)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/MALAYAITE PURE

TH Zheng(1993a)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 45 (97.8261 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/MALAYAITE PURE

TH Zheng(1993a)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/TITANITE PURE

TH Zheng(1993a)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

NT King&al(2001)

Temperature range (°C): 450 - 900
Secondary data points: 91

Model test: 84 (92.3077 %) within 2s unc.
Comment: PARTIAL FIT

TH Hoffbauer&al(1994)

Temperature range (°C): 600 - 900
Secondary data points: 16

Model test: 16 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

TITANITE/WATER PURE

TH Zheng(1993a)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800

Secondary data points: 26

Model test: 26 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

CALCITE/TITANITE

PURE

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

TH Hoffbauer&al(1994)

Temperature range (°C): 600 - 900

Secondary data points: 16

Model test: 16 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

PHENACITE/WATER

PURE

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

QUARTZ/PHENACITE

PURE

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 44 (95.6522 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

CALCITE/PHENACITE PURE

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

WILLEMITE/WATER PURE

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/WILLEMITE PURE

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/WILLEMITE PURE

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

THORITE/WATER PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

QUARTZ/THORITE PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 44 (95.6522 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/THORITE PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/ZIRCON PURE

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 40 (86.9565 %) within 2s unc.
Comment: PARTIAL FIT

NT Valley&al(2003)

Temperature range (°C): 650 - 900

Secondary data points: 51

Model test: 51 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

EX Trail&al(2009)

Temperature range (°C): 700 - 900

Secondary data points: 41

Model test: 41 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

ZIRCON/WATER PURE

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800

Secondary data points: 26

Model test: 20 (76.9231 %) within 2s unc.

Comment: PARTIAL FIT

AXINITE/WATER PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

QUARTZ/AXINITE PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 44 (95.6522 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

CALCITE/AXINITE PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

QUARTZ/BERYL PURE

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

BERYL/WATER PURE

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

CALCITE/BERYL PURE

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

DATOLITE/WATER PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

QUARTZ/DATOLITE PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 44 (95.6522 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

CALCITE/DATOLITE PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/GEHLENITE PURE

EX Chacko&al(2001)

Temperature range (°C): 800 - 1000

Secondary data points: 41

Model test: 41 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/GEHLENITE PURE

EX Chacko&al(2001)

Temperature range (°C): 800 - 900

Secondary data points: 21

Model test: 21 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

ILVAITE/WATER PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/ILVAITE PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 45 (97.8261 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/ILVAITE PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/LAWSONITE PURE

NT Taylor&Coleman(1968)

Temperature range (°C): 150 - 400
Secondary data points: 51

Model test: 49 (96.0784 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/PREHNITE PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 44 (95.6522 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

PREHNITE/WATER PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900
Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/PREHNITE PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

QUARTZ/TOURMALINE PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

NT Kotzer&al(1993)

Temperature range (°C): 200 - 600

Secondary data points: 81

Model test: 81 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

NT Matthews&al(2003)

Temperature range (°C): 400 - 700

Secondary data points: 61

Model test: 52 (85.2459 %) within 2s unc.
Comment: PARTIAL FIT

TOURMALINE/WATER PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.
Comment: FIT WITHIN UNCERTAINTY

CALCITE/TOURMALINE PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

QUARTZ/WOLLASTONITE

PURE

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 44 (95.6522 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

EX Matthews&al(1983a)

Temperature range (°C): 400 - 800

Secondary data points: 81

Model test: 80 (98.7654 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

WOLLASTONITE/WATER

PURE

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800

Secondary data points: 26

Model test: 26 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

CALCITE/WOLLASTONITE

PURE

TH Zheng(1993a)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

TH Hoffbauer&al(1994)

Temperature range (°C): 600 - 900

Secondary data points: 16

Model test: 16 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

VESUVIANITE/WATER

PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

TH Richter&Hoernes(1988)

Temperature range (°C): 300 - 800

Secondary data points: 26

Model test: 26 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

QUARTZ/VESUVIANITE

PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 44 (95.6522 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY

CALCITE/VESUVIANITE

PURE

TH Zheng(1993b)

Temperature range (°C): 0 - 900

Secondary data points: 46

Model test: 46 (100 %) within 2s unc.

Comment: FIT WITHIN UNCERTAINTY