



NTB  
INTERSTAATLICHE HOCHSCHULE  
FÜR TECHNIK BUCHS

**WPZ**  
Wärmepumpen-Testzentrum

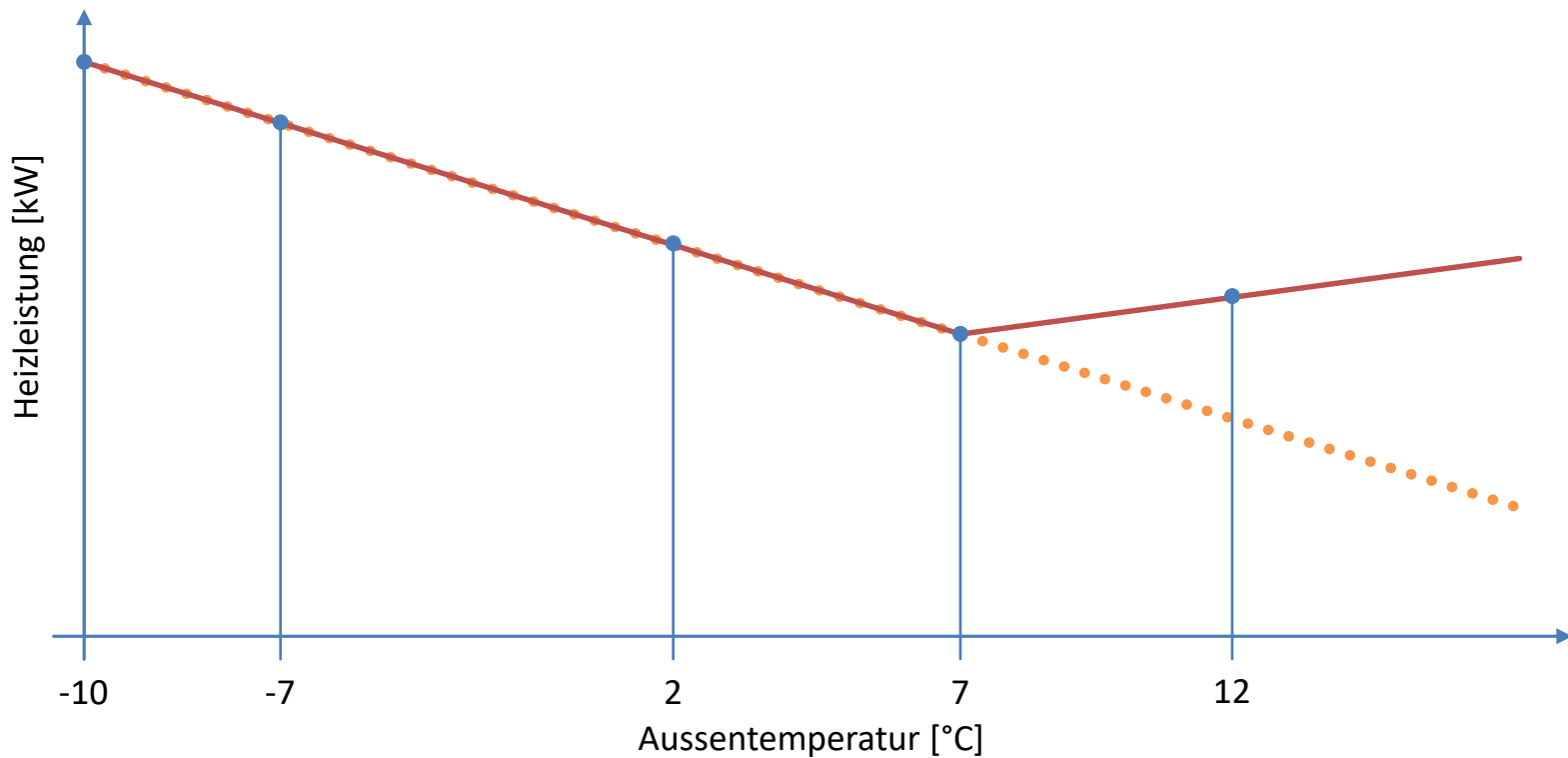
# Wärmepumpen-Testzentrum

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- Norm versus Praxis von drehzahlregulierten Sole/Wasser-Wärmepumpen

# Norm

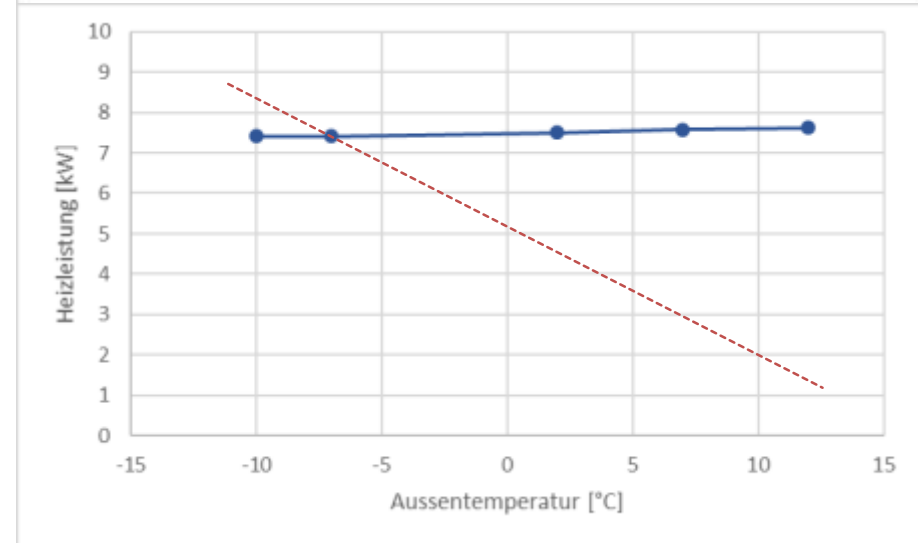
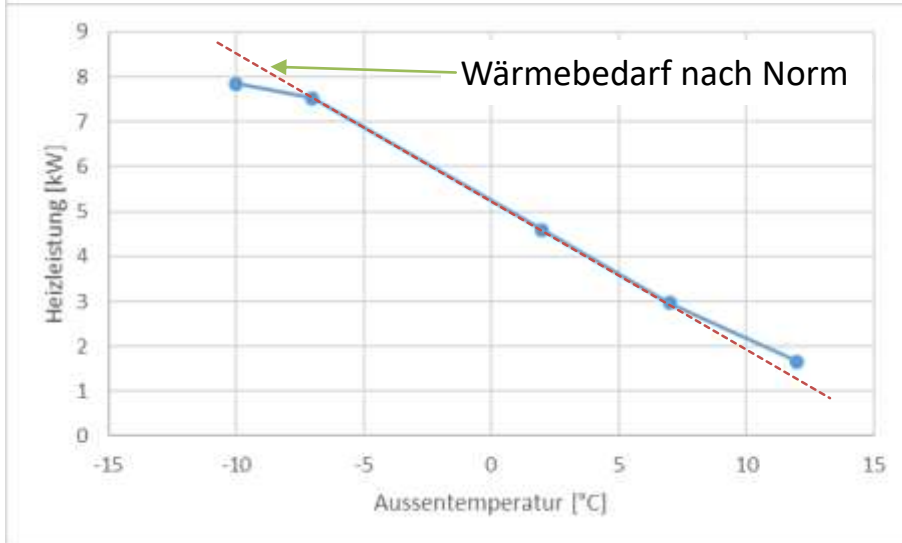
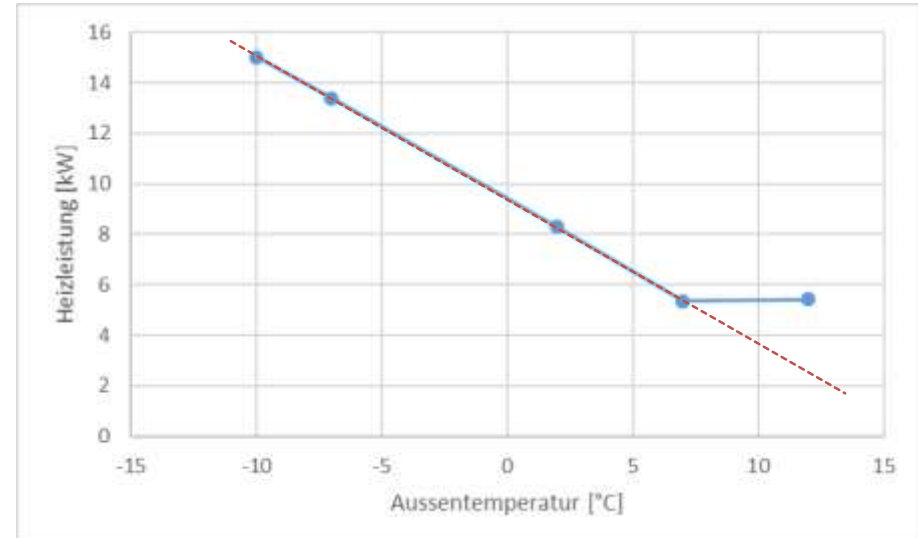
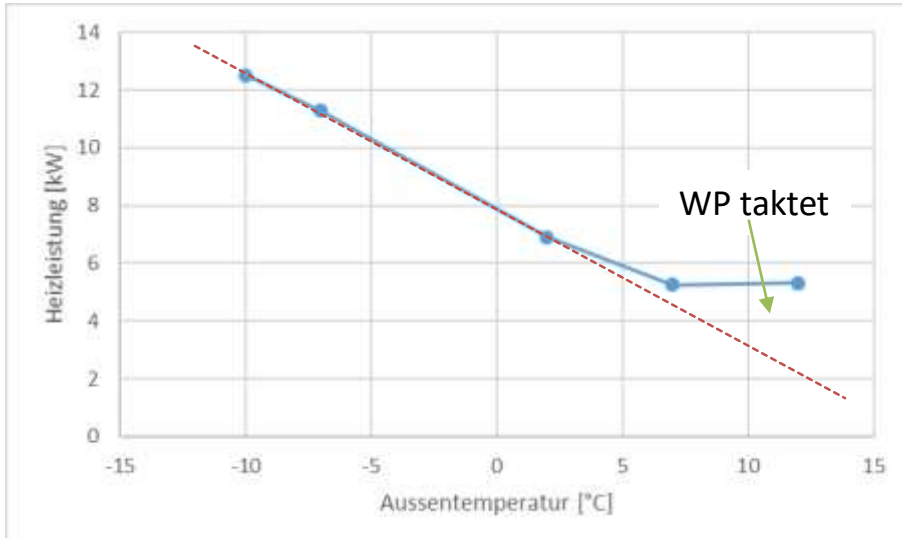
Die Effizienz-Messungen von drehzahlregulierten Wärmepumpen werden nach der EN 14825 durchgeführt:



Quelleneintrittstemperatur = 0 °C (Sole) oder 10 °C (Wasser)

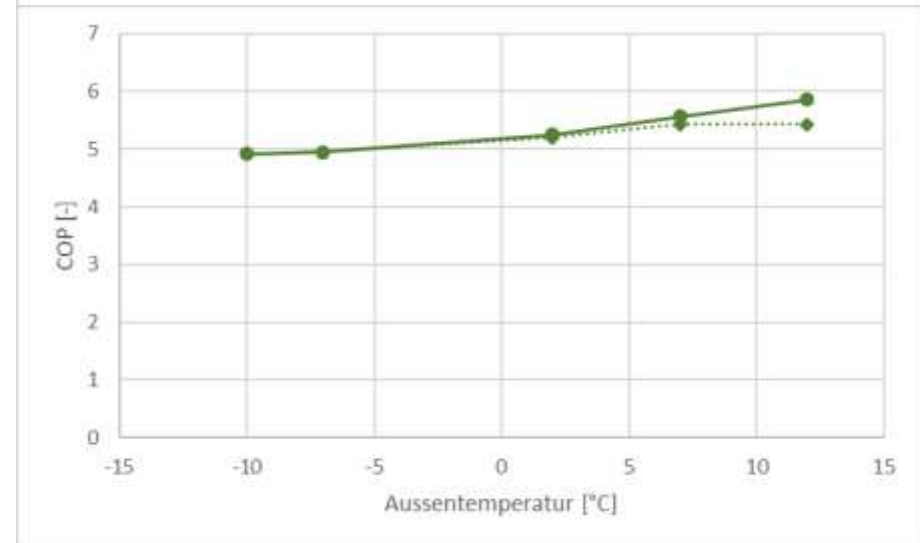
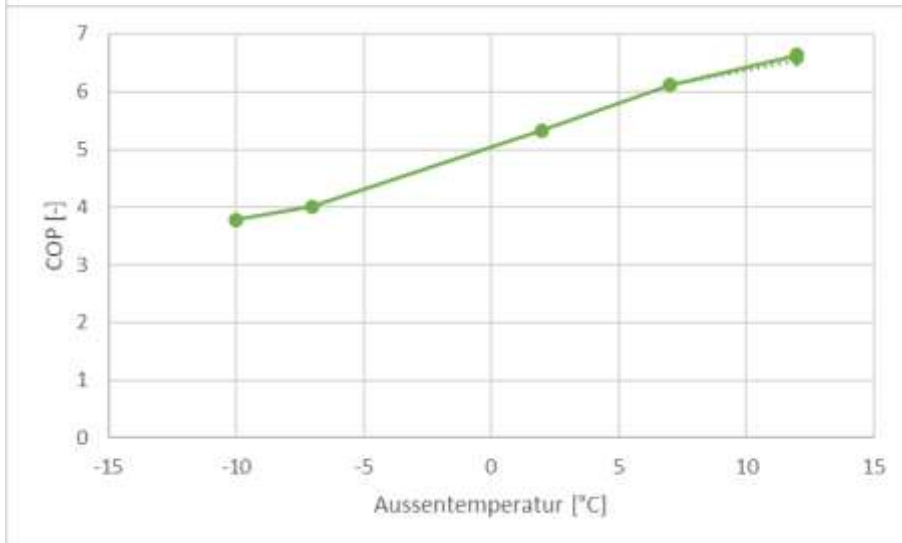
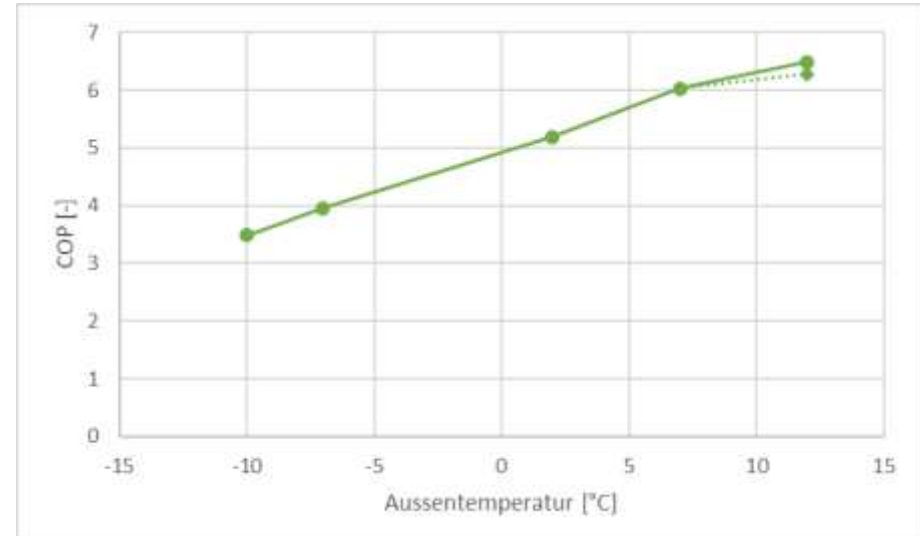
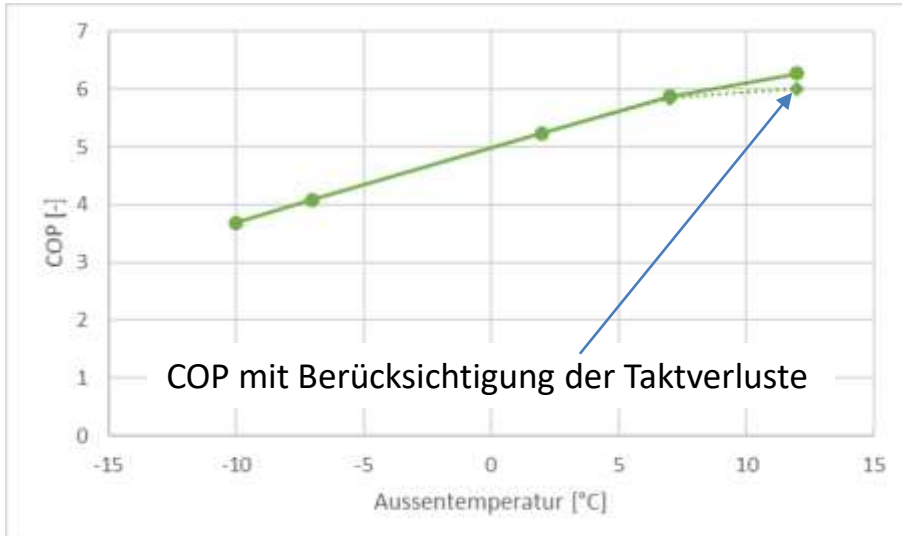
# Norm

Heizleistung in Abhängigkeit der Aussentemperatur:



# Norm

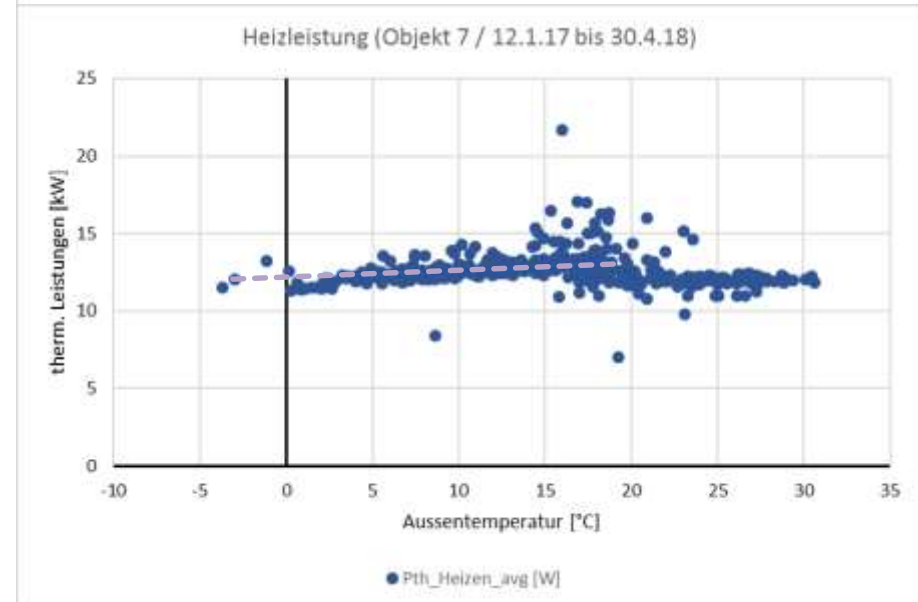
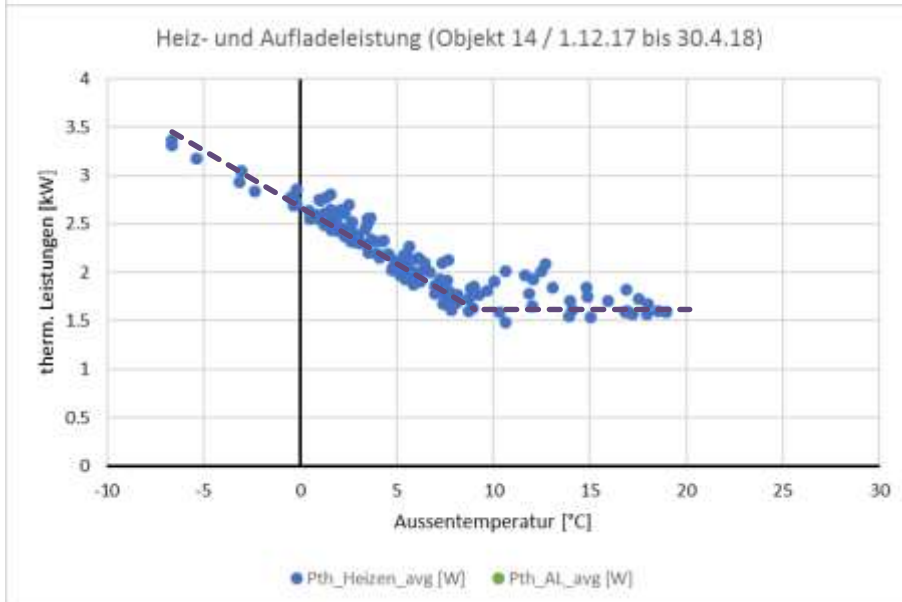
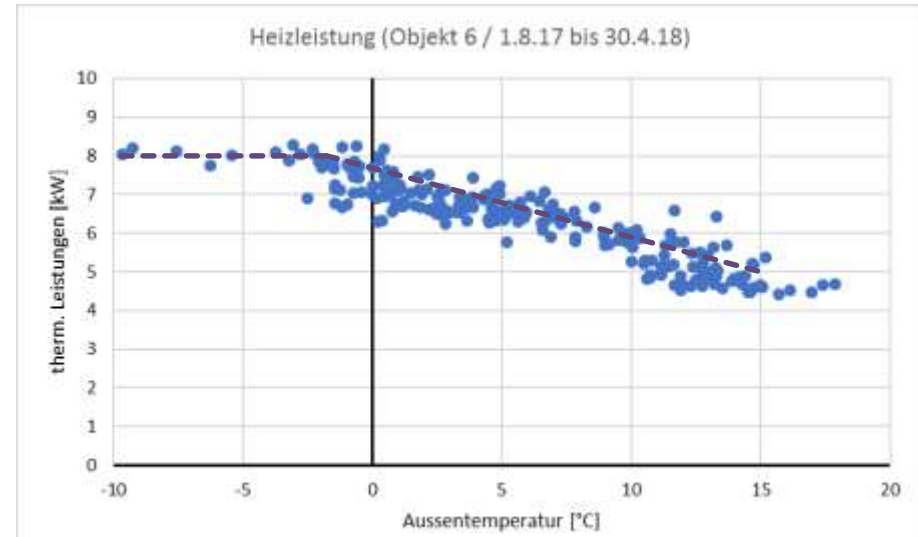
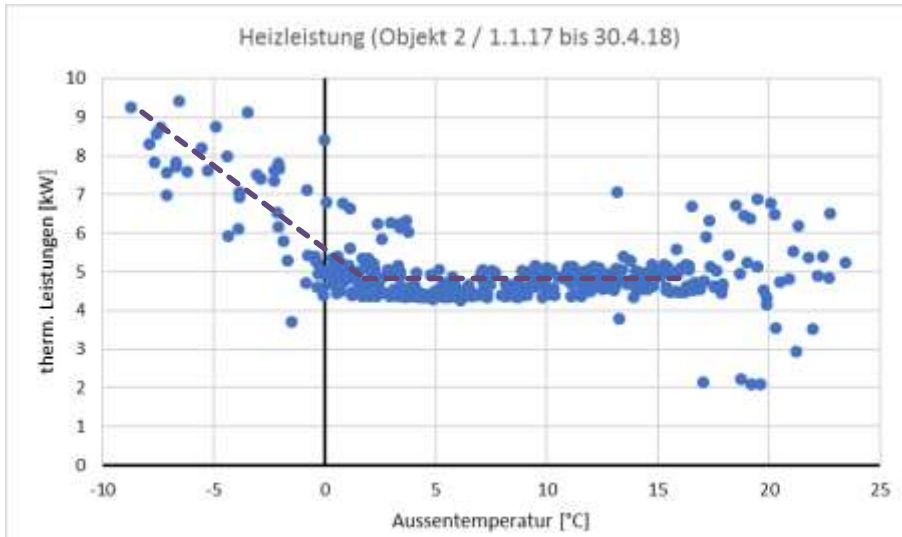
COP in Abhängigkeit der Aussentemperatur:





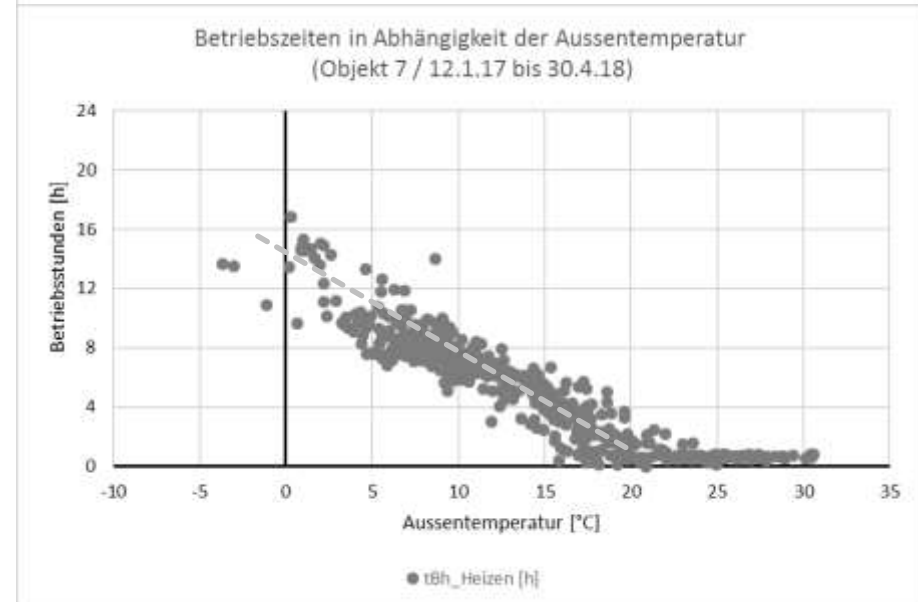
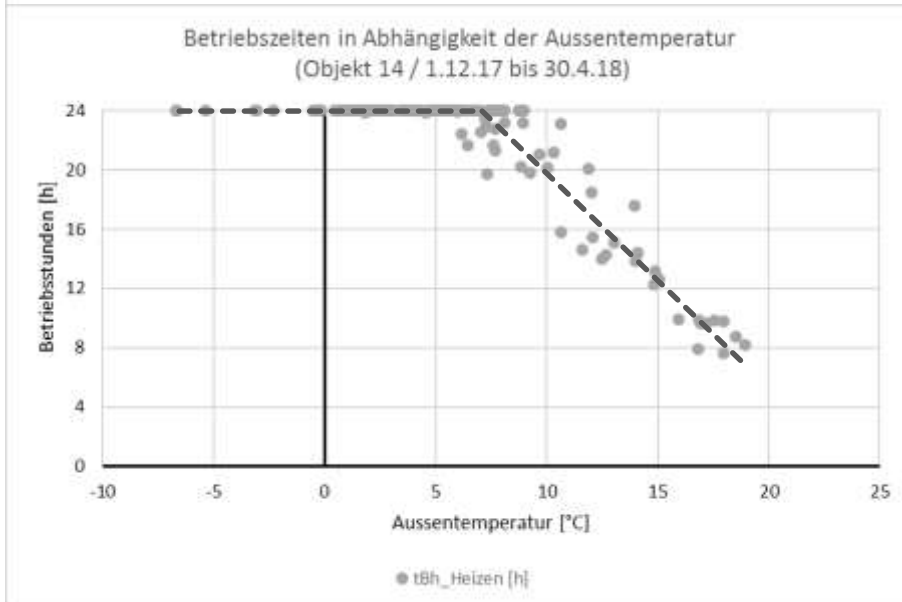
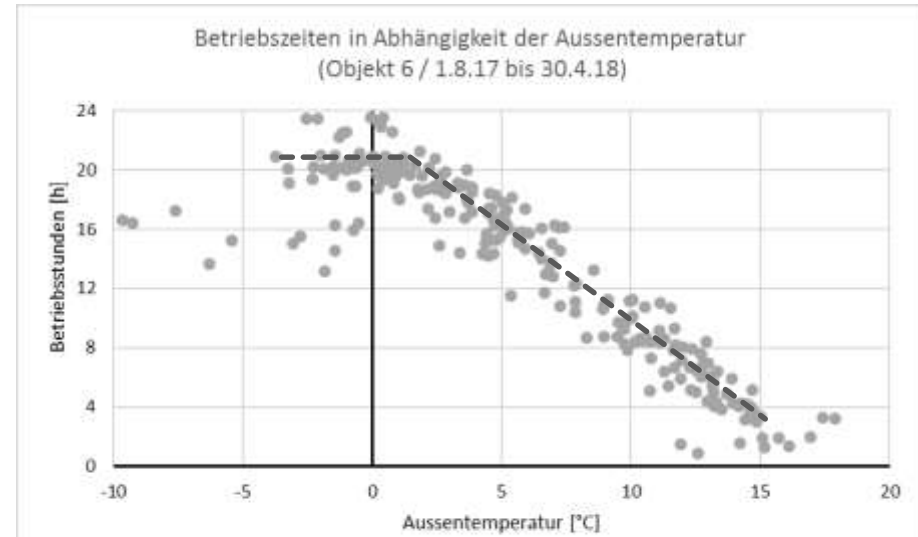
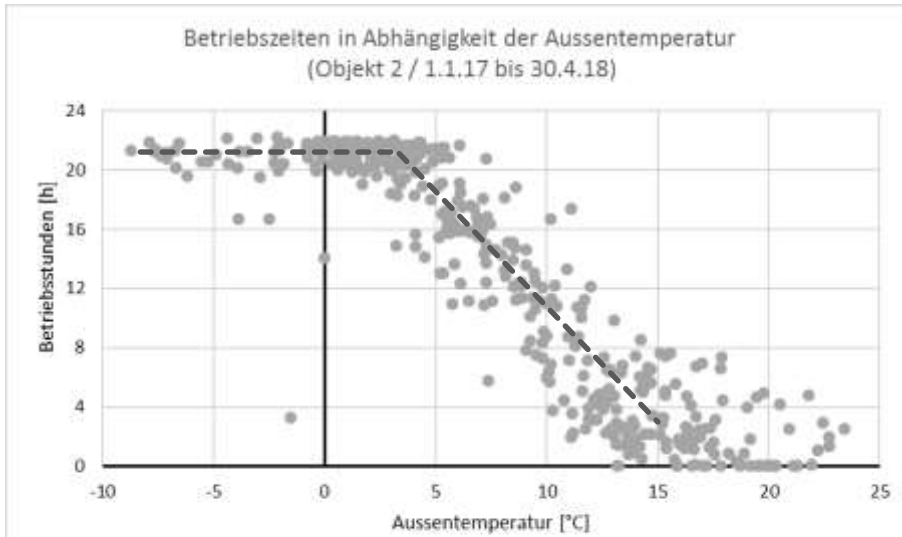
# Praxis

Heizleistung in Abhängigkeit der Aussentemperatur:



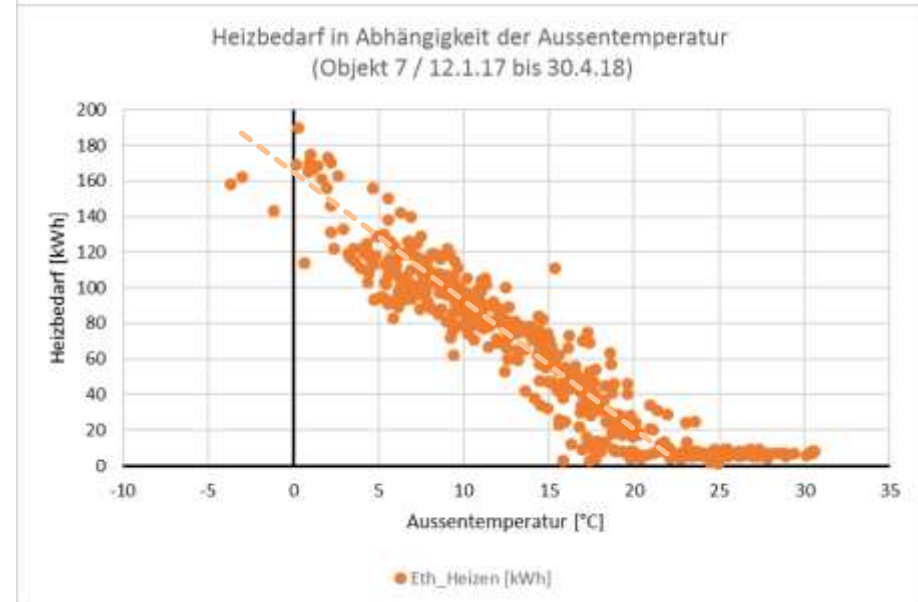
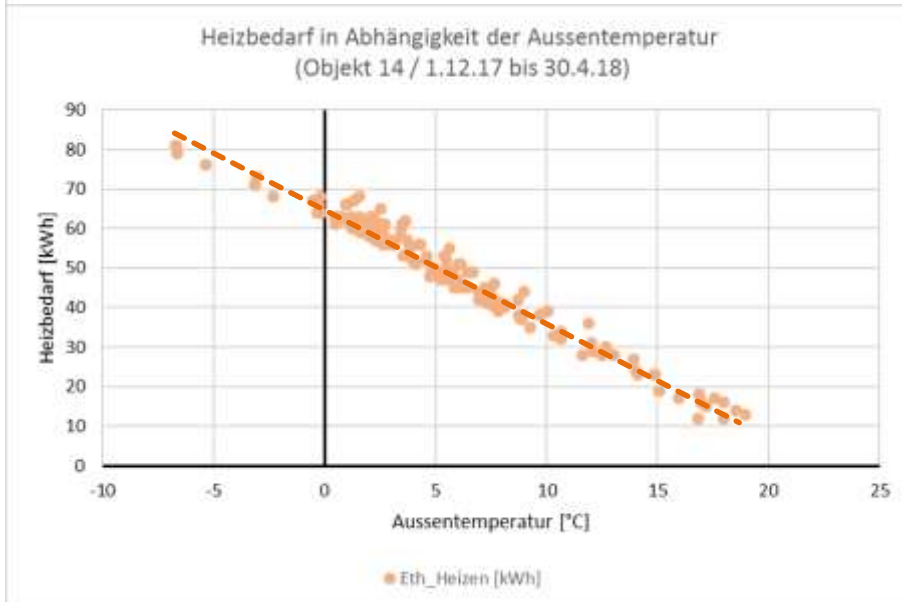
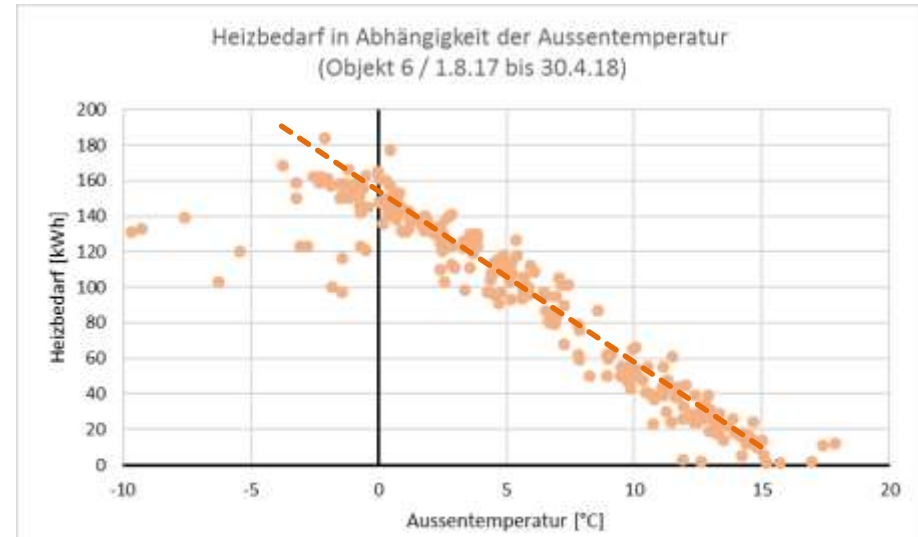
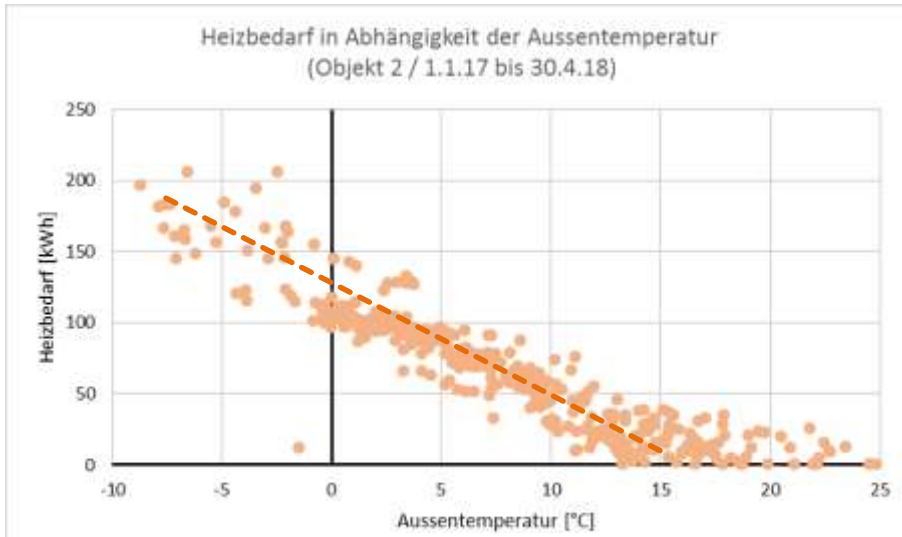
# Praxis

Betriebsstunden in Abhängigkeit der Aussentemperatur:



# Praxis

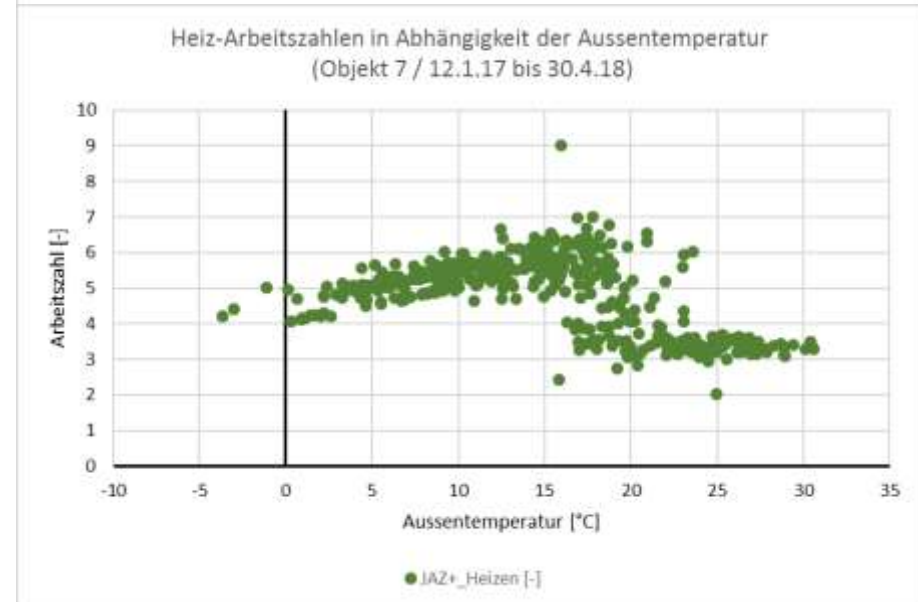
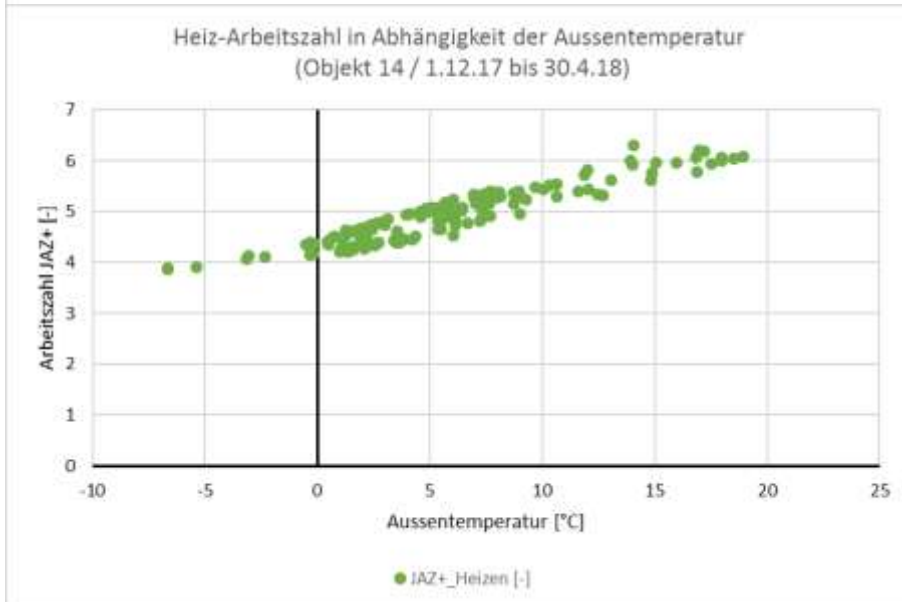
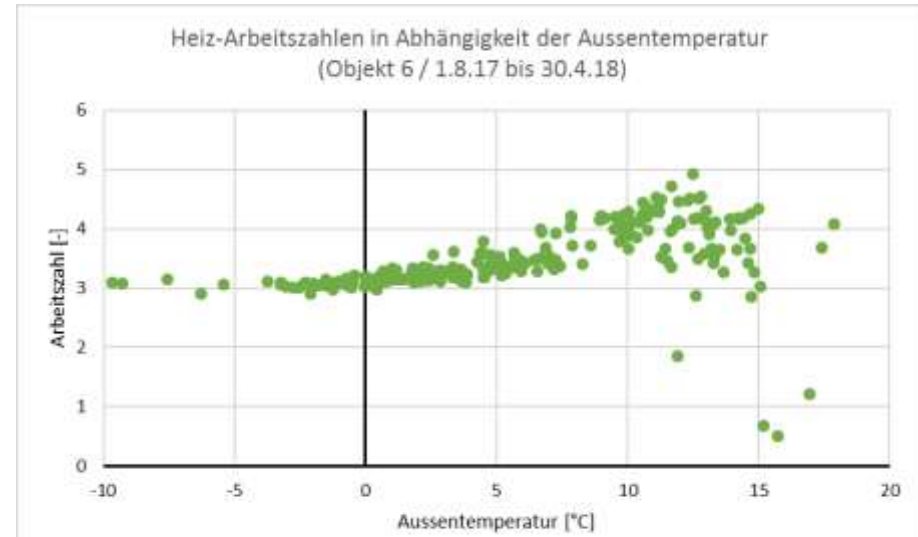
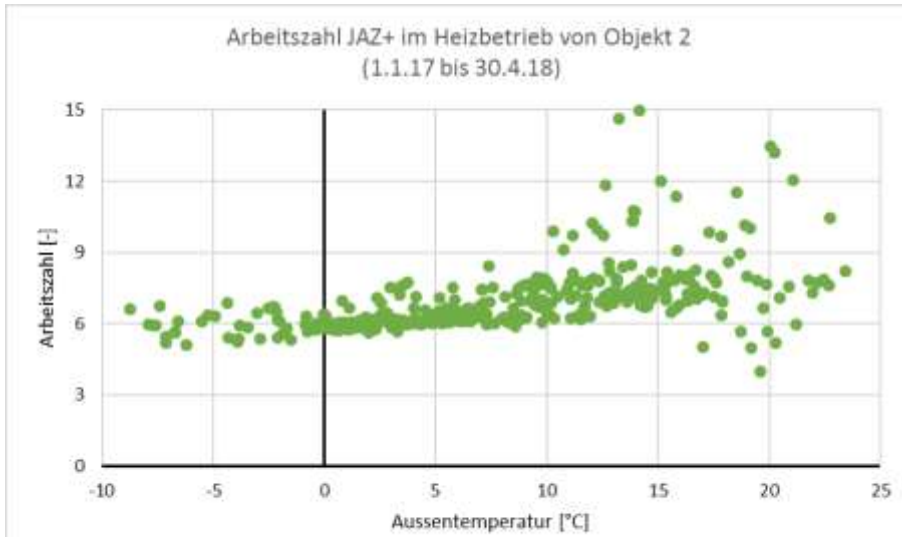
Heizbedarf in Abhängigkeit der Aussentemperatur:





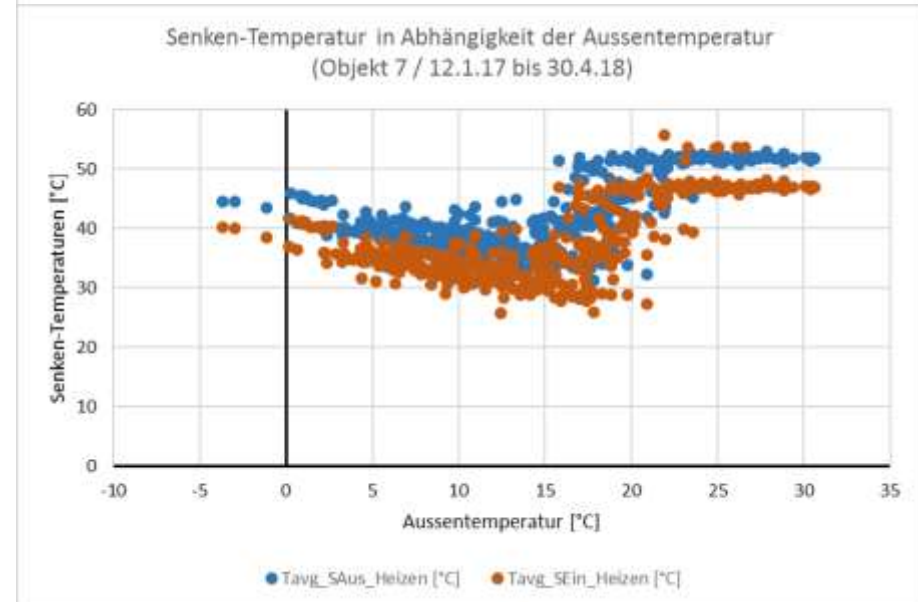
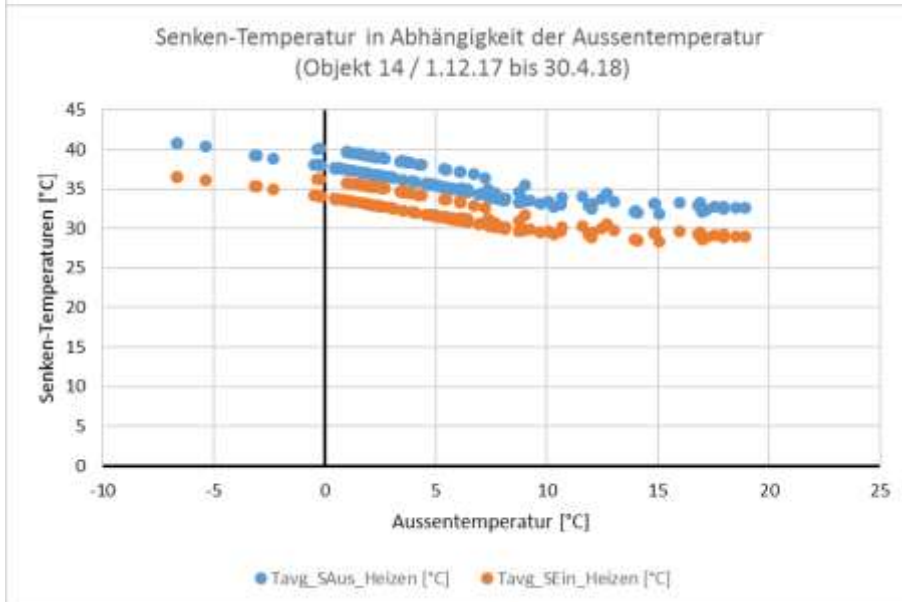
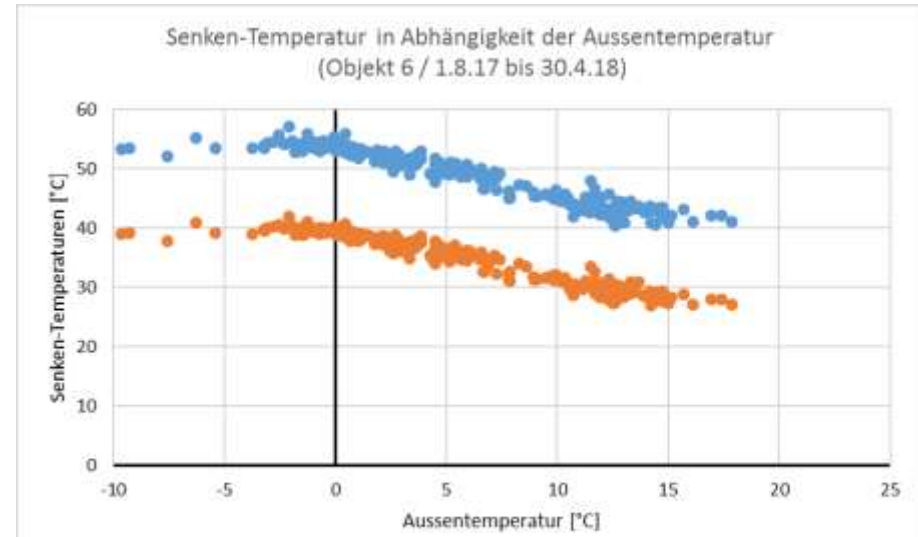
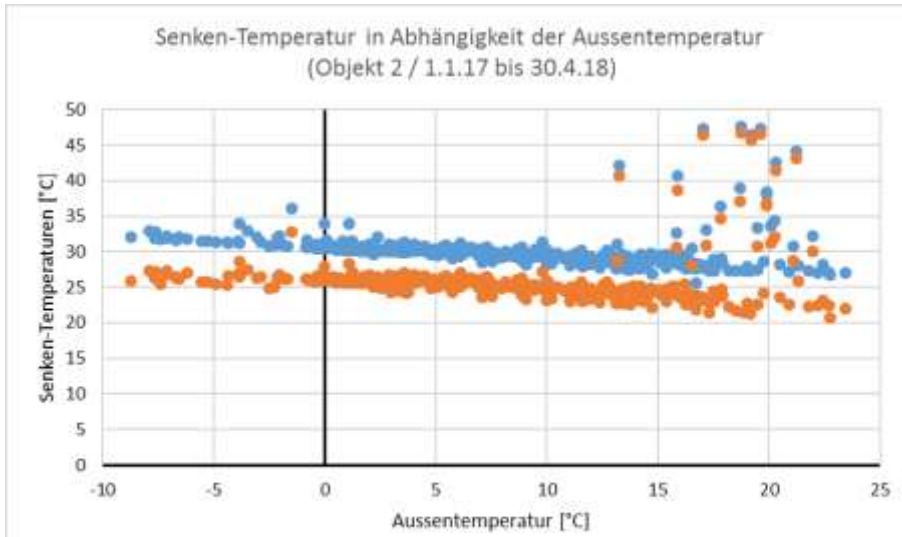
# Praxis

JAZ+ (Arbeitszahl) in Abhängigkeit der Aussentemperatur:



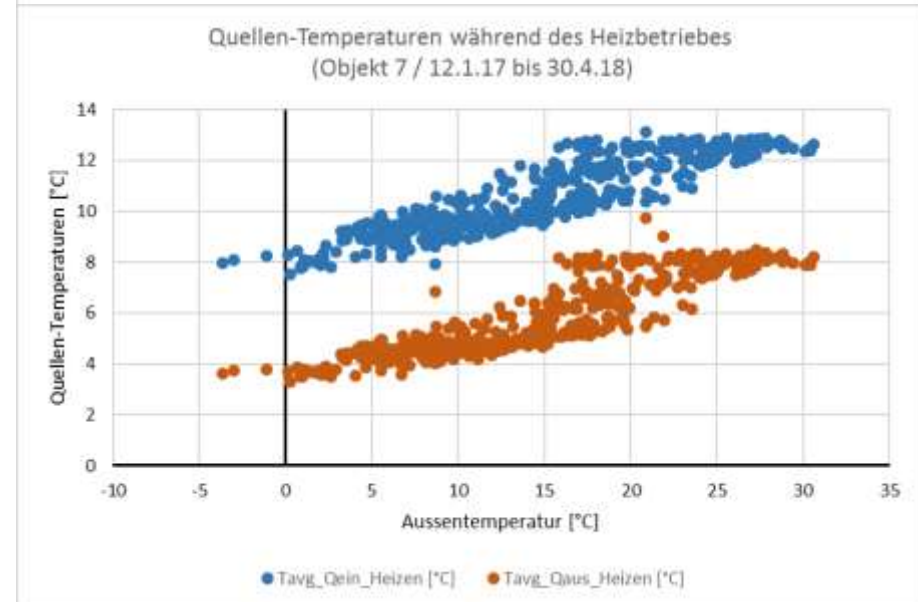
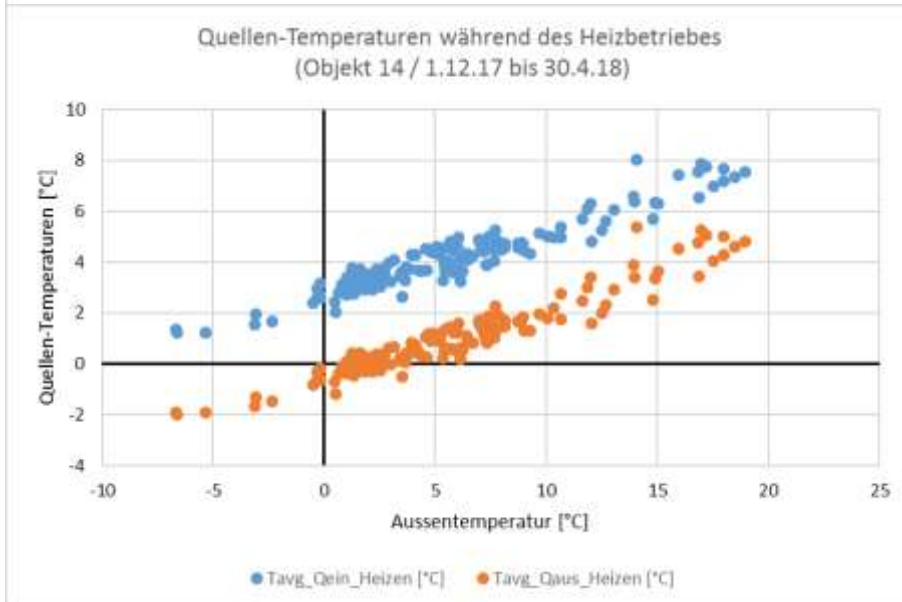
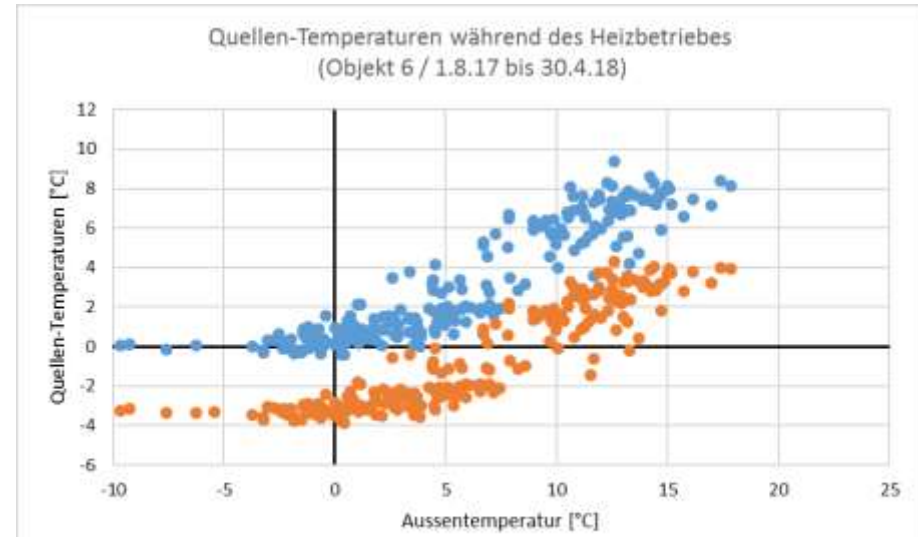
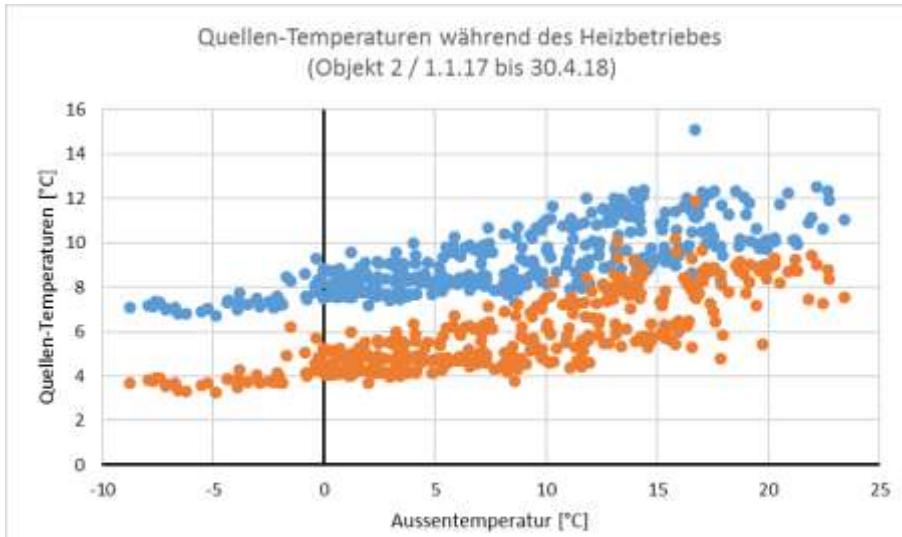
# Praxis

Senkentemperatur in Abhängigkeit der Aussentemperatur:



# Praxis

Quellentemperatur in Abhängigkeit der Aussentemperatur:



# Herzlichen Dank für eure Aufmerksamkeit



Wärmepumpen-Testzentrum WPZ und Akustik

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