

Phenotype Data Analysis Plots

PhenoData day range = 10 – 66

Analysis cutoff day = 66

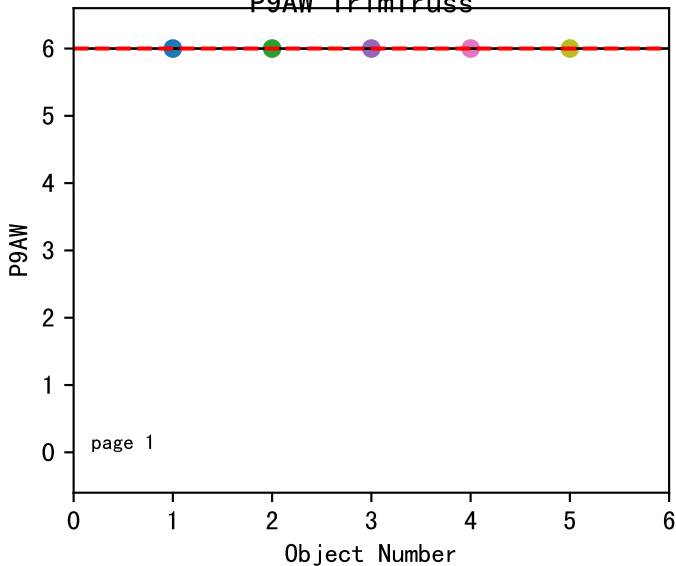
NC11 P9

2025-06-06 (Day 67)

TrussNodeMaxPerStem (Def=6.0 Set=6)

avg1=6.0~0% avg2=na

P9AW TrimTruss



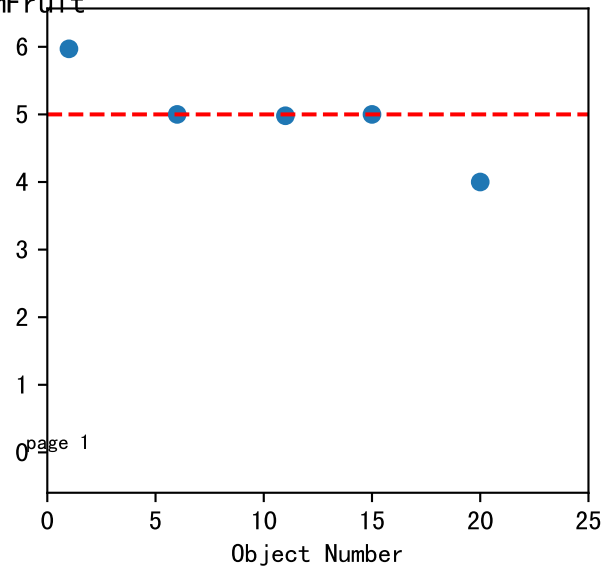
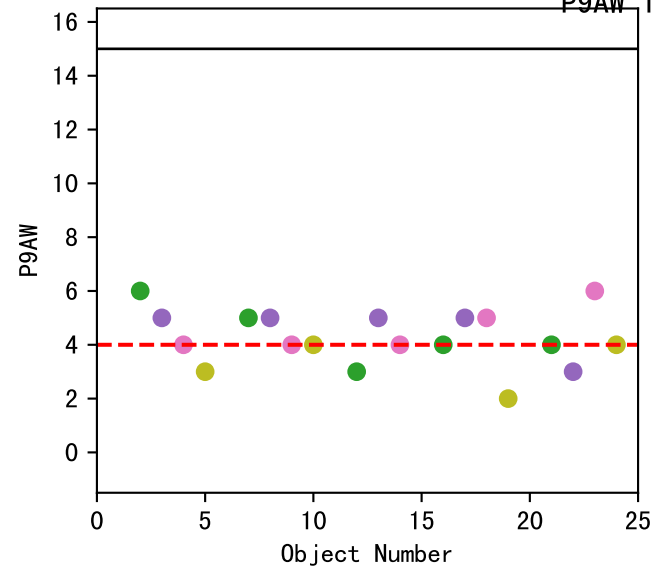
FruitNumAvgPerTruss (Def=15 Set=4)

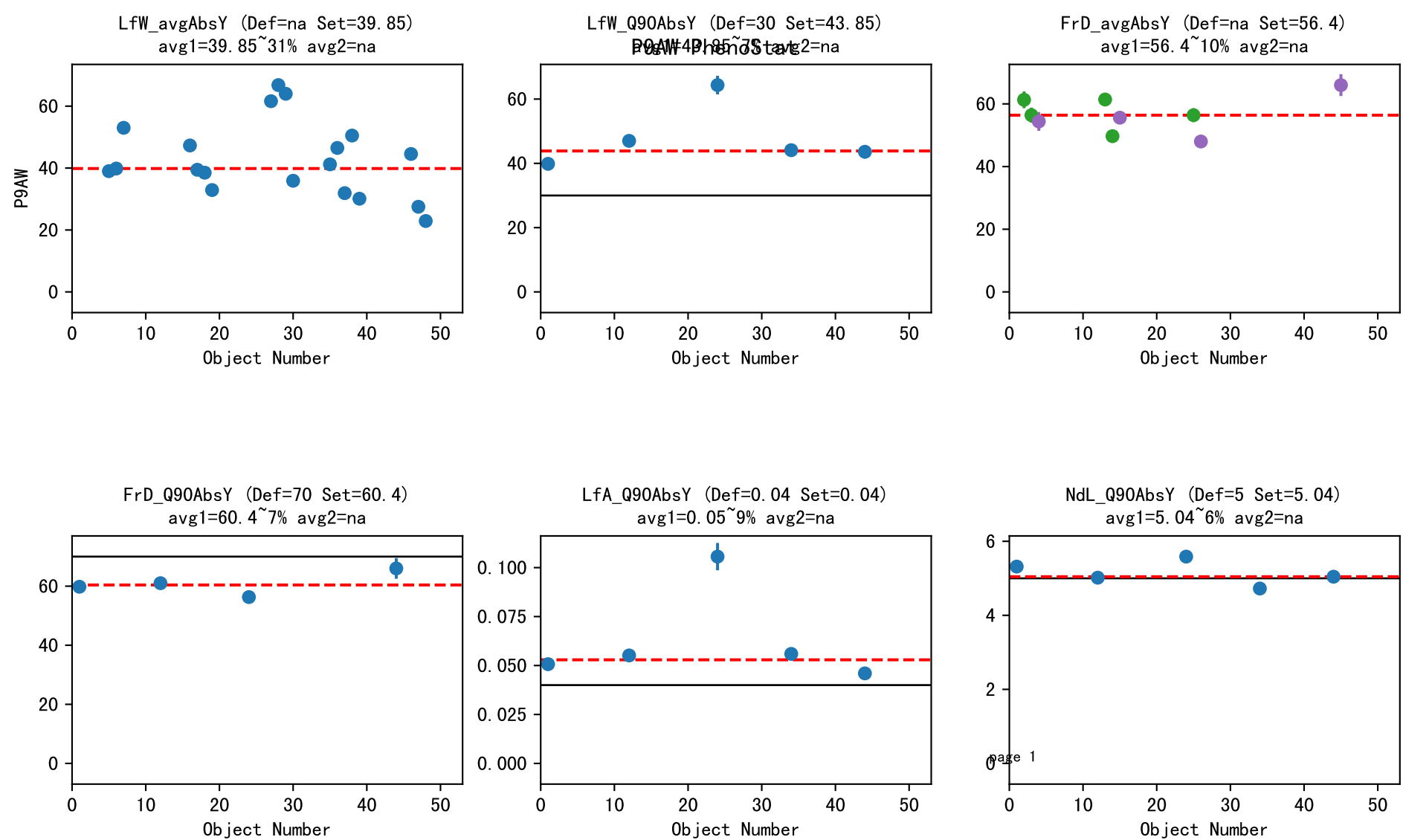
avg1=4.0~23% avg2=na

P9AW TrimFruit

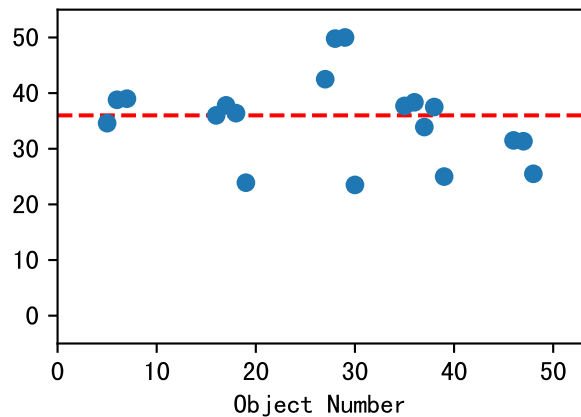
FruitNumMaxPerTruss (Def=na Set=5)

avg1=5.0~0% avg2=na

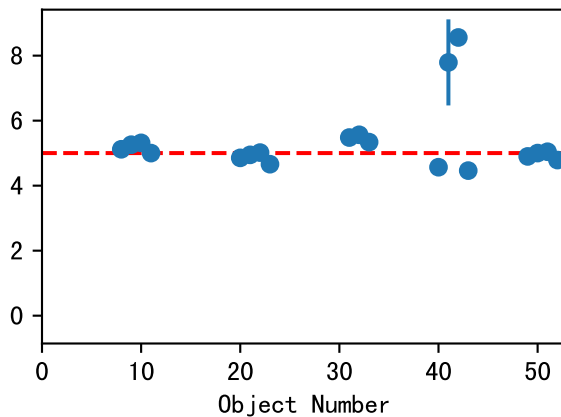




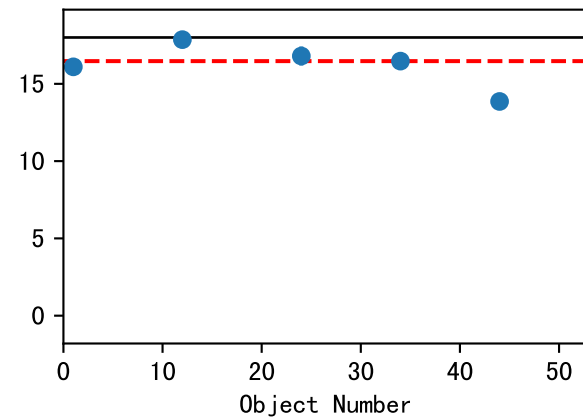
LfL_avgAbsY (Def=na Set=36.0)
avg1=36.0~17% avg2=na



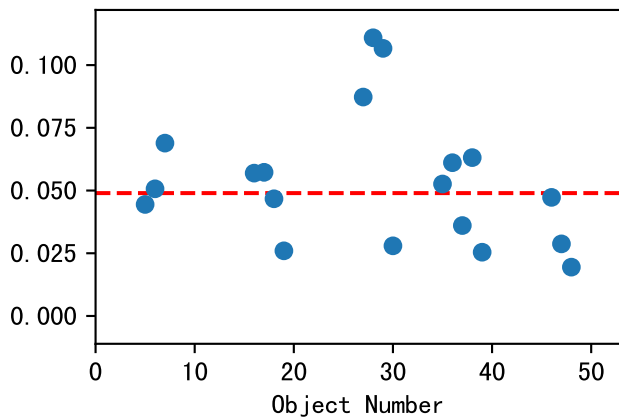
NdL_avgAbsY (Def=na Set=5.0)
avg1=5.0~6% avg2=na



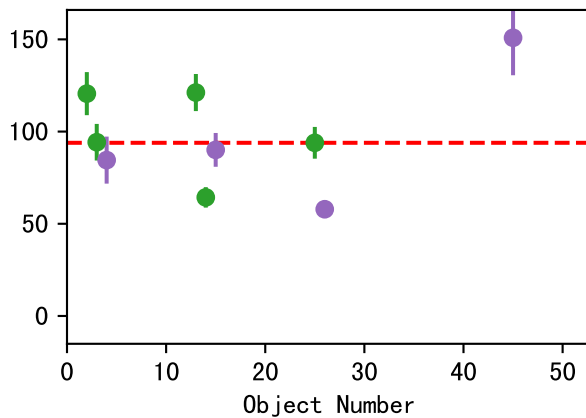
NdD_Q90AbsY (Def=18 Set=16.47)
avg1=16.47~2% avg2=na



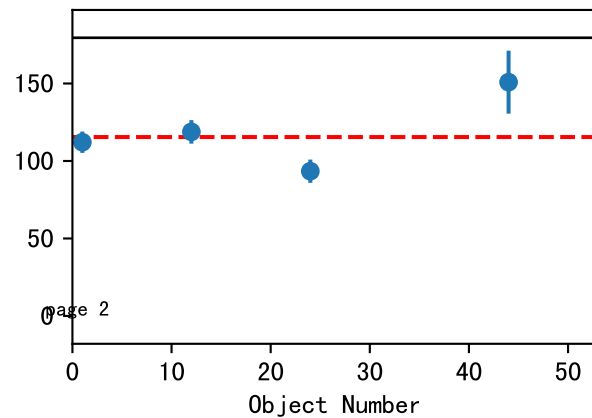
LfA_avgAbsY (Def=na Set=0.05)
avg1=0.05~46% avg2=na



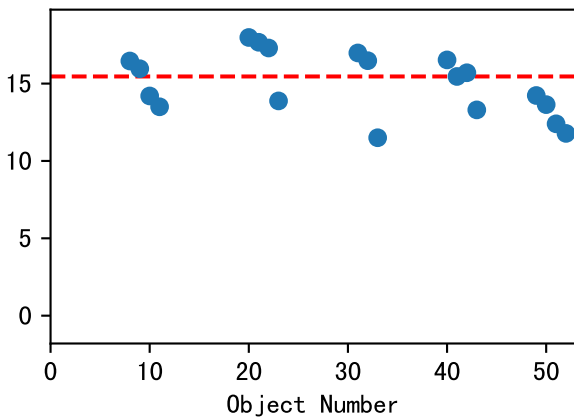
FrV_avgAbsY (Def=na Set=93.91)
avg1=93.91~31% avg2=na



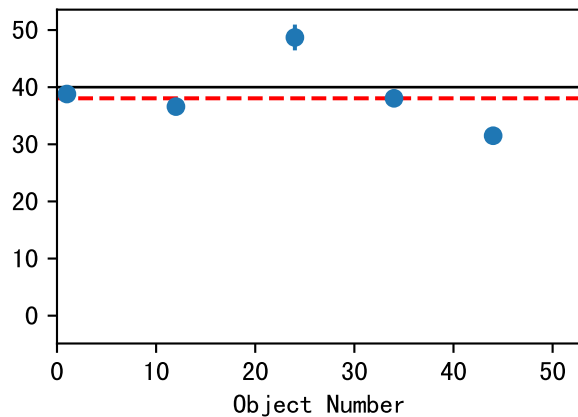
FrV_Q90AbsY (Def=179.5 Set=179.5)
avg1=115.45~21% avg2=na



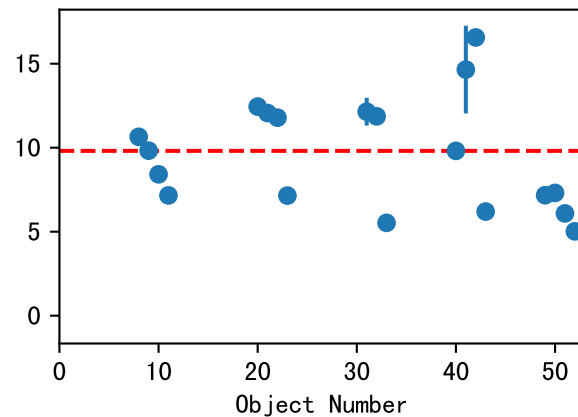
NdD_avgAbsY (Def=na Set=15.46)
avg1=15.46~13% avg2=na



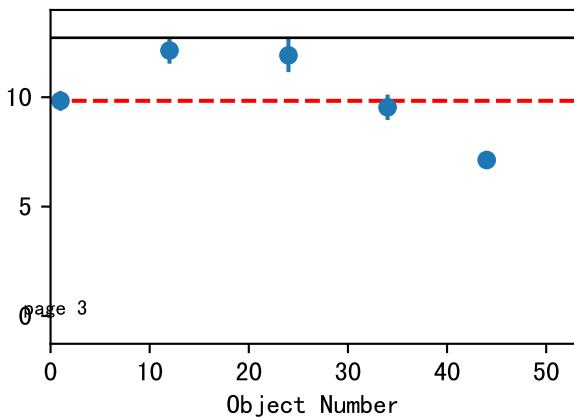
LfL_Q90AbsY (Def=40 Set=38.05)
avg1=38.05~35% avg2=na



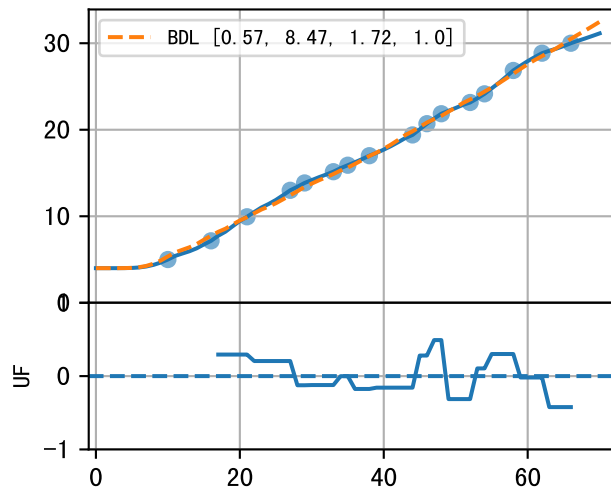
NdV_avgAbsY (Def=na Set=9.81)
avg1=9.81~33% avg2=na



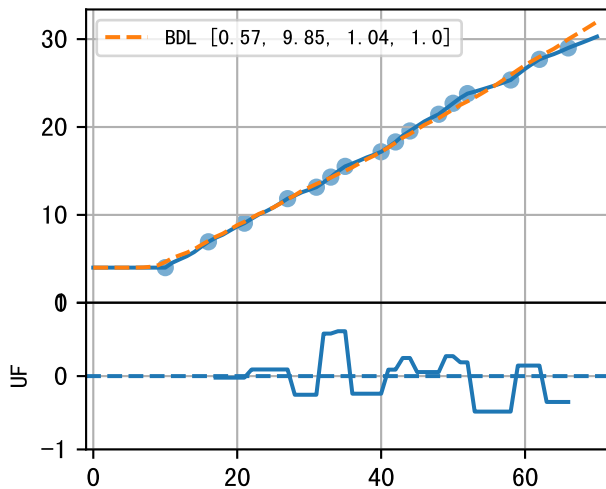
NdV_Q90AbsY (Def=12.72 Set=9.83)
avg1=9.83~21% avg2=na



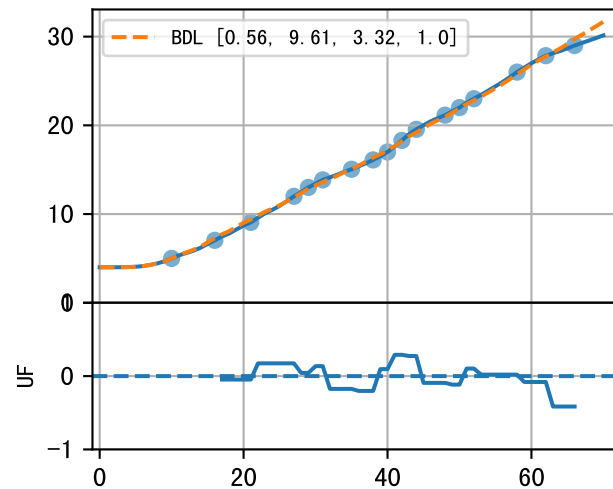
P9AW-005-13 (fit failed)



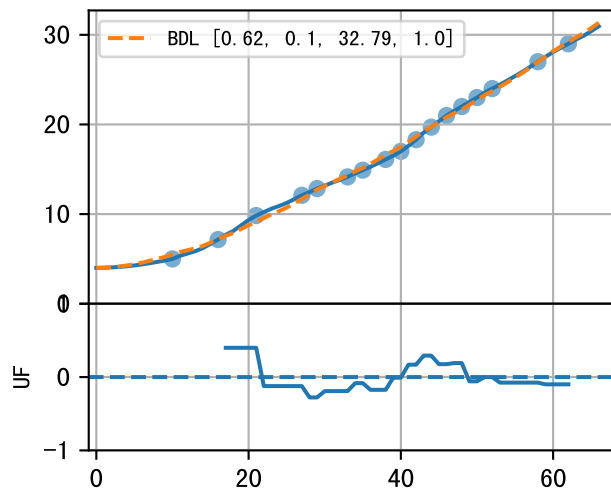
P9AW-017-16 (fit failed)



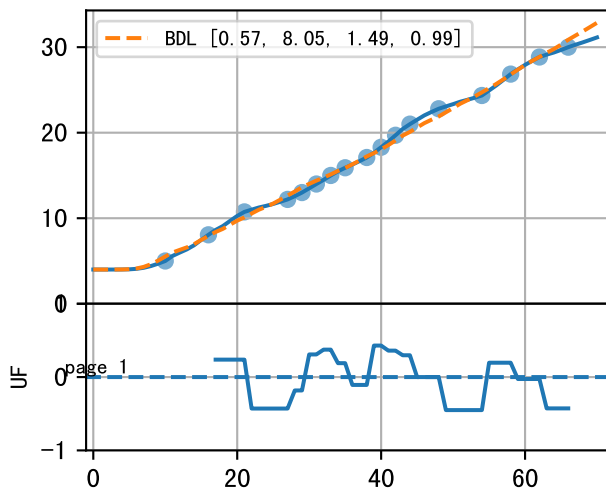
P9AW-029-11 (fit failed)



P9AW-040-22 (fit failed)

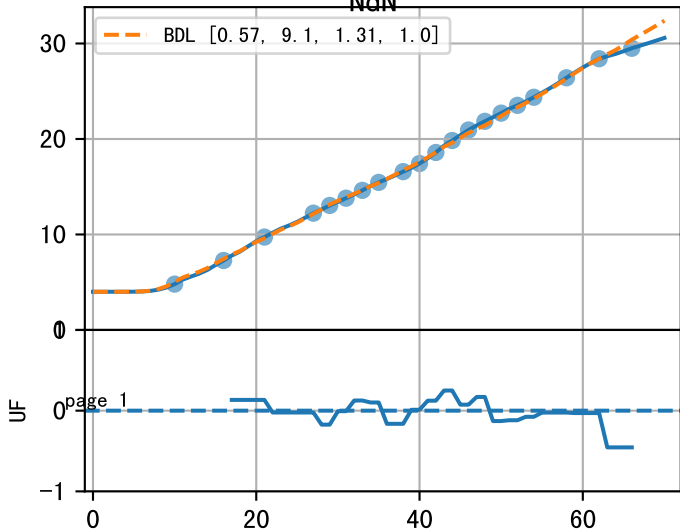


P9AW-052-18 (fit failed)

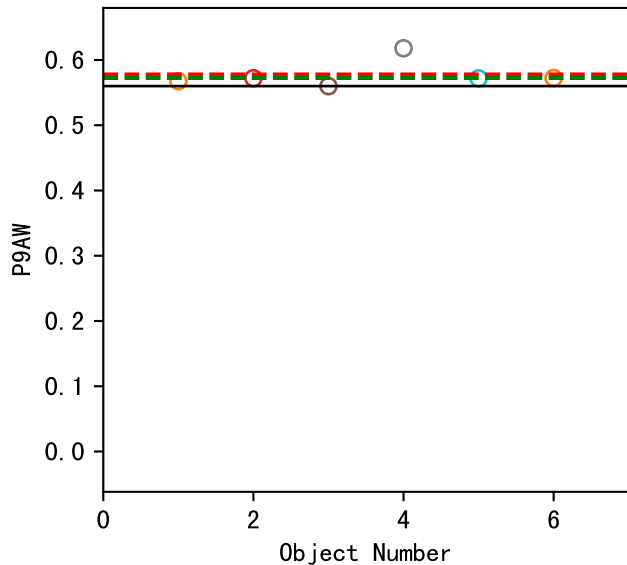


P9AWavg (fit failed)

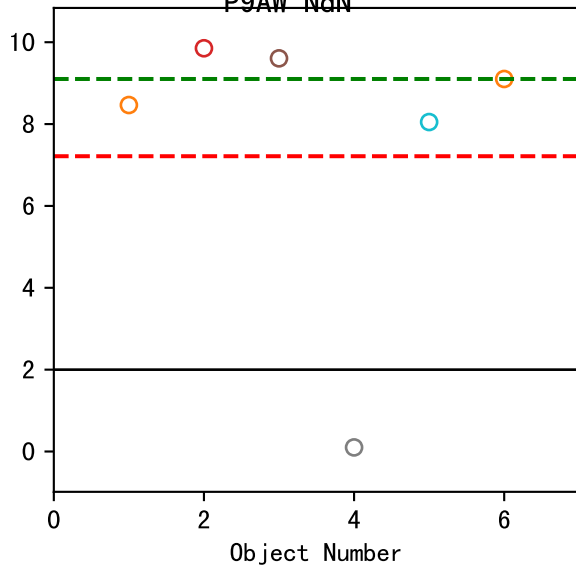
NdN



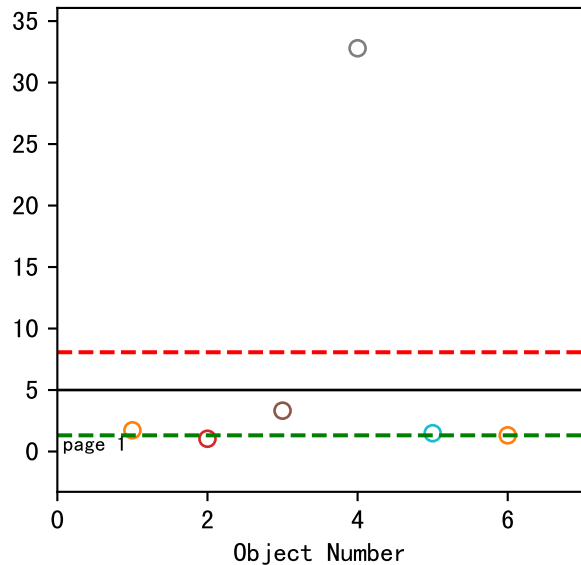
a (Def=0.56 Set=0.57)
avg1=0.58(fail) avg2=0.57



dm (Def=2 Set=9.1)
avg1=7.21(fail) avg2=9.1



de (Def=5 Set=1.31)
avg1=8.07(fail) avg2=1.31



InitDev_dm (Def=2 Set=9.98)

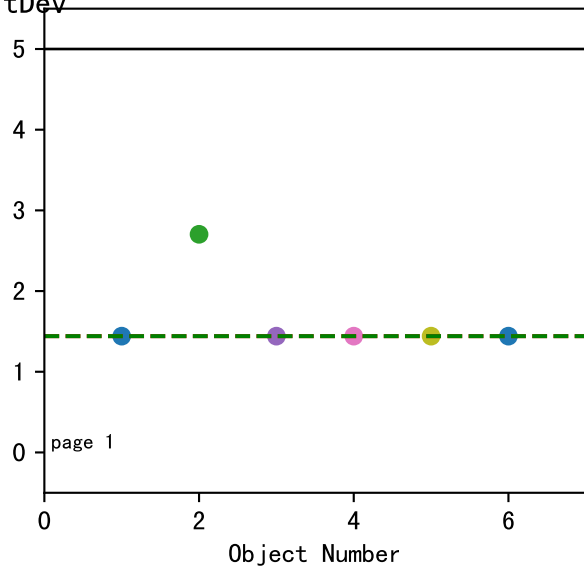
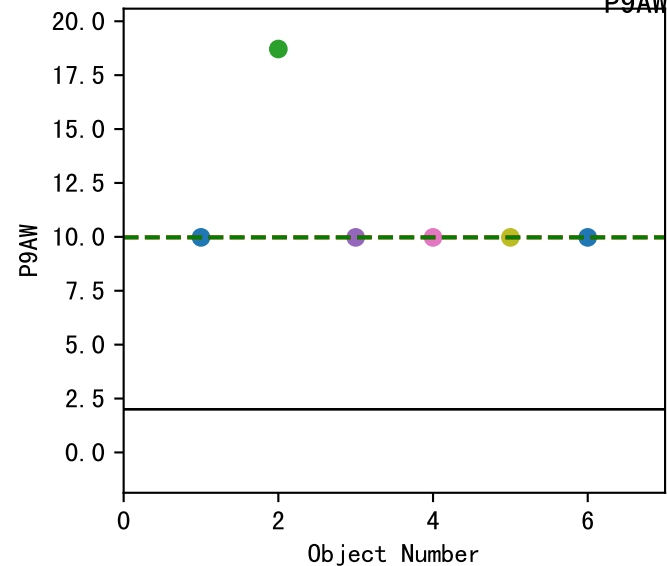
avg1=9.98~0% avg2=9.98

P9AW

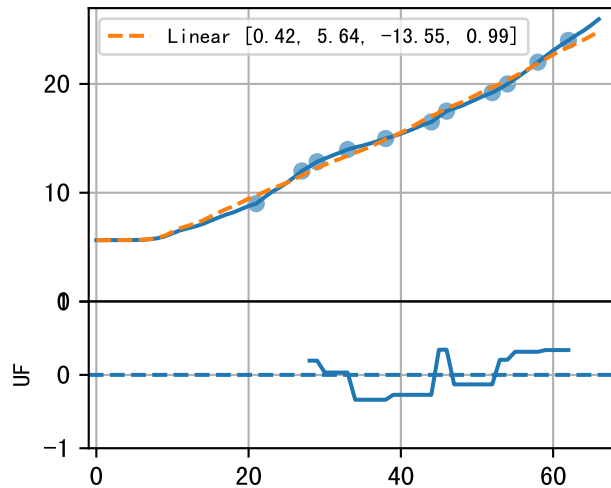
InitDev

InitDev_de (Def=5 Set=1.44)

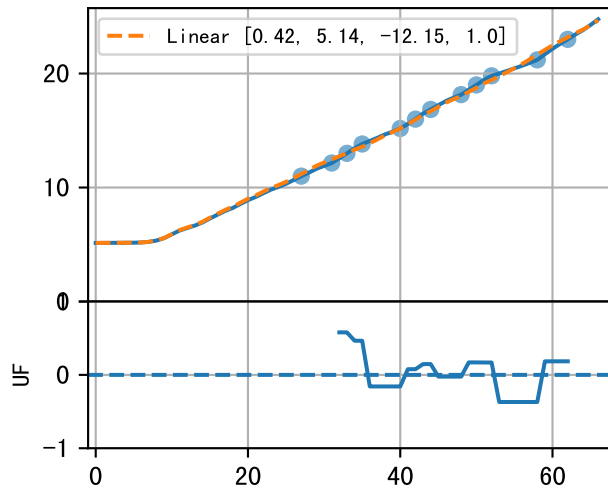
avg1=1.44~0% avg2=1.44



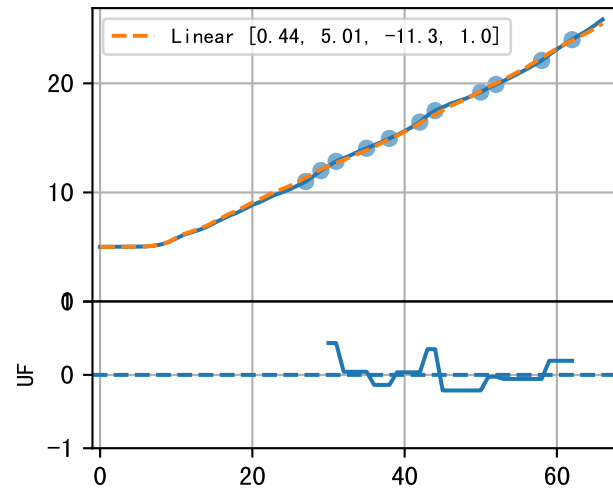
P9AW-005-13



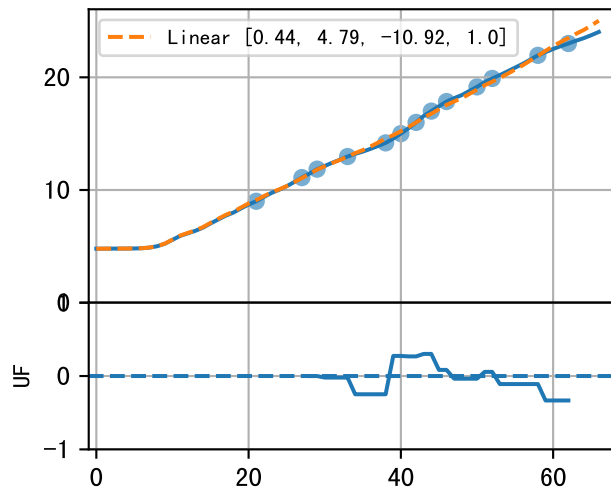
P9AW-017-26



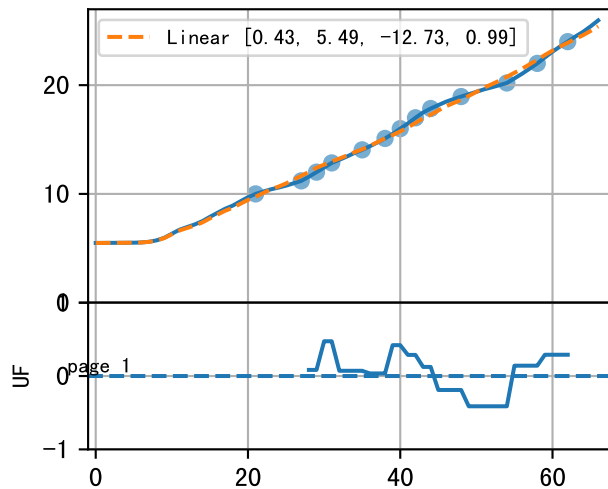
P9AW-029-11



P9AW-040-22



P9AW-052-18

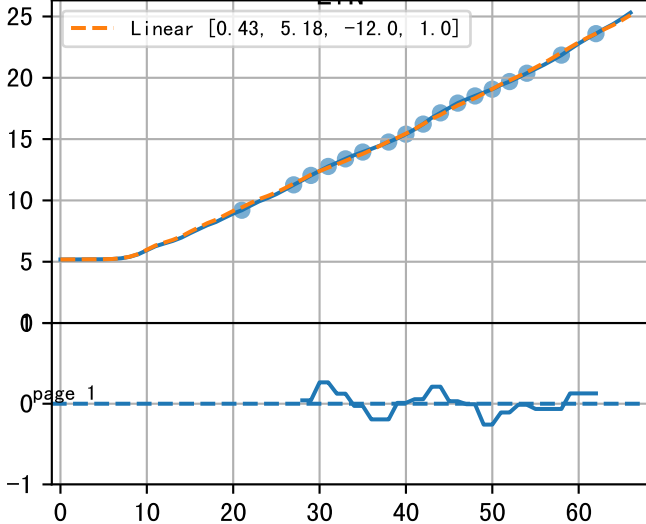


P9AWavg
Lfn

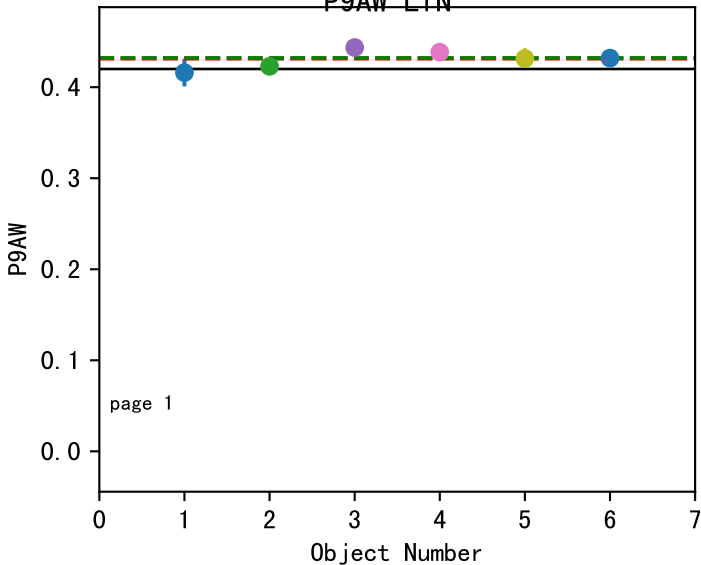
Linear [0.43, 5.18, -12.0, 1.0]

UF

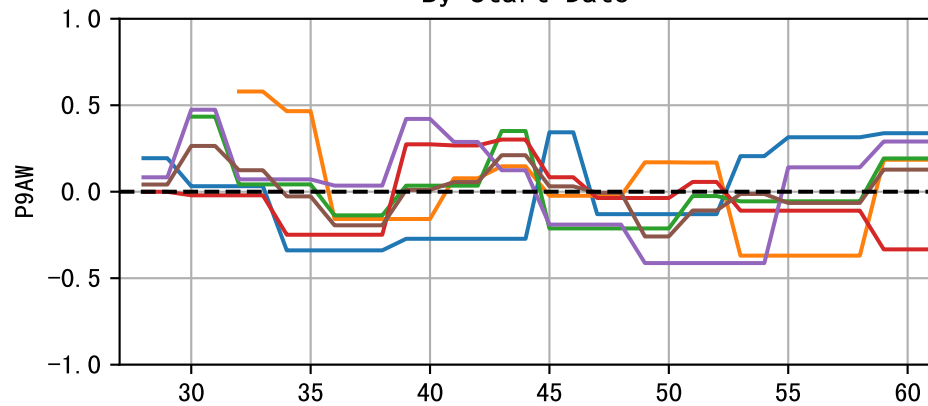
page 1



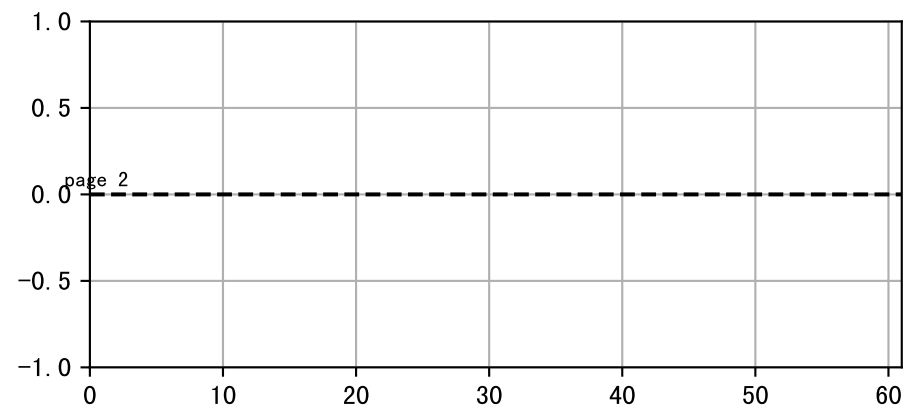
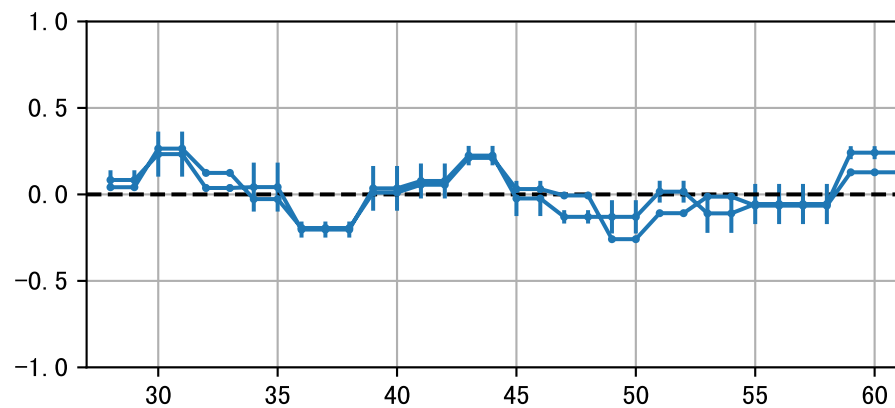
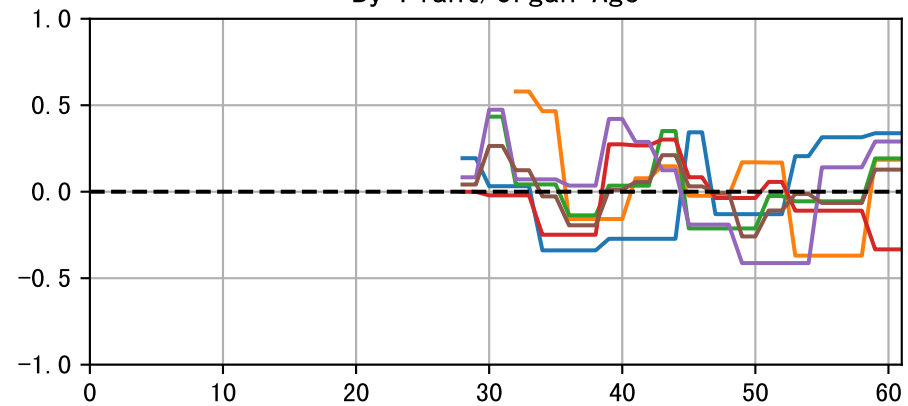
a (Def=0.42 Set=0.43)
avg1=0.43 $\sim$ 3% avg2=0.43 $\sim$ 2%
P9AW LFN



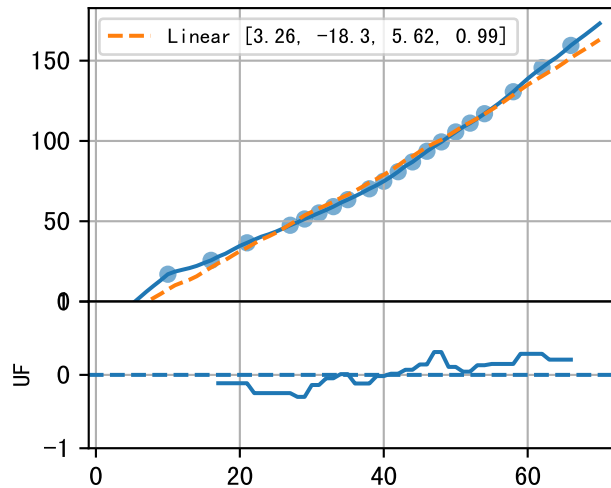
By Start Date



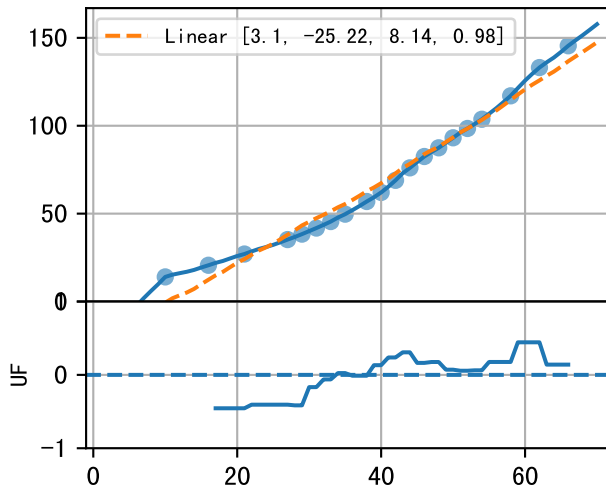
By Plant/Organ Age



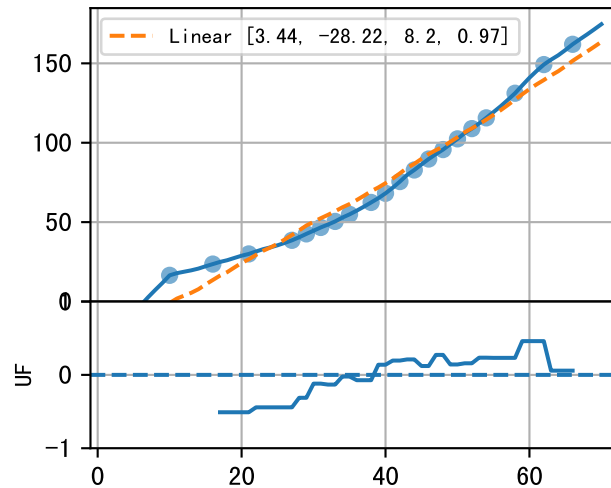
P9AW-005-13



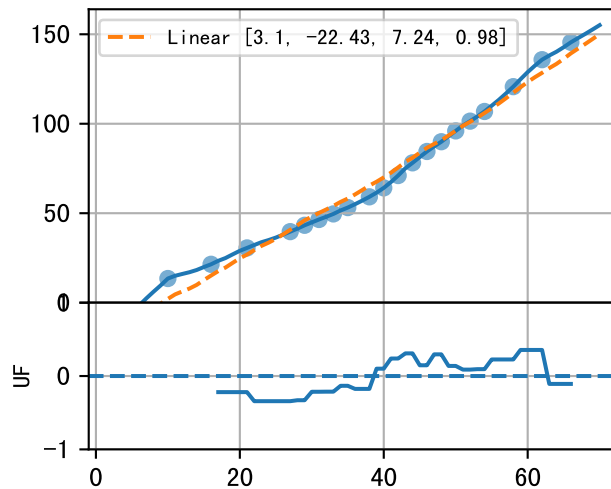
P9AW-017-26



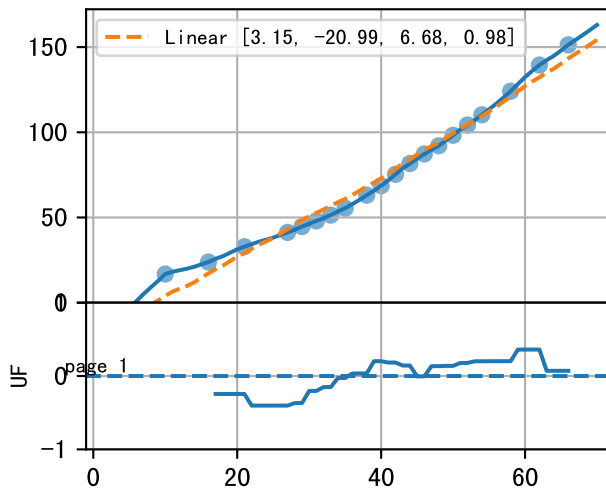
P9AW-029-11



P9AW-040-22

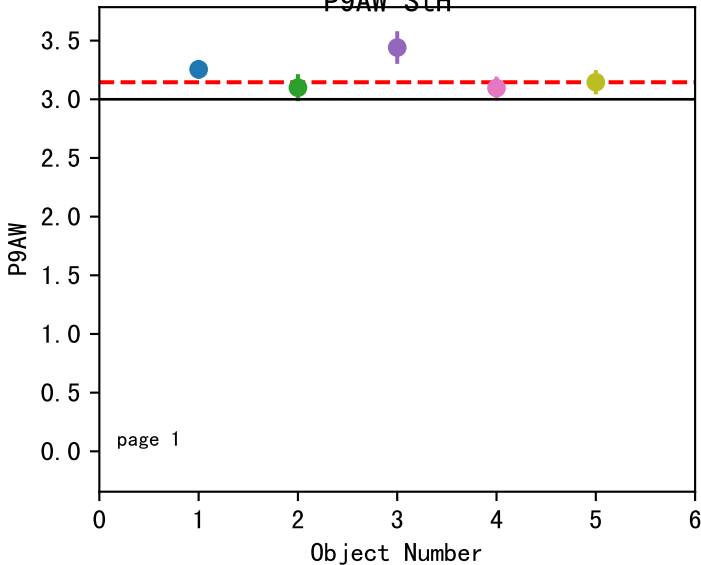


P9AW-052-18



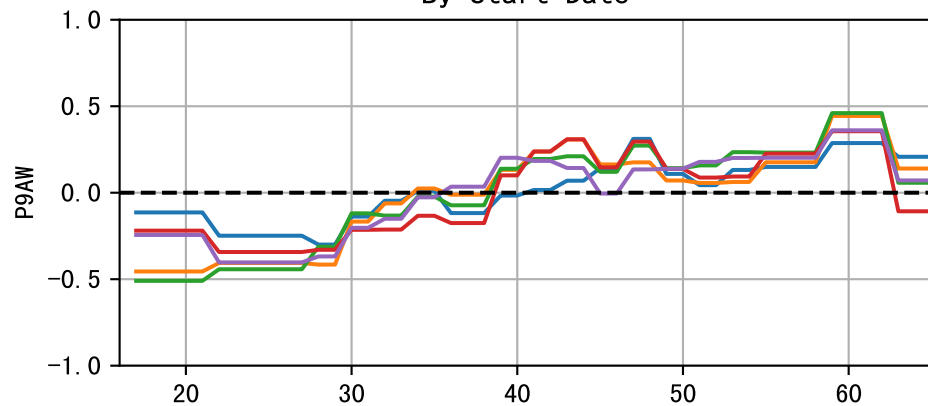
a (Def=3 Set=3.15)
avg1=3.15~5% avg2=na

P9AW StH

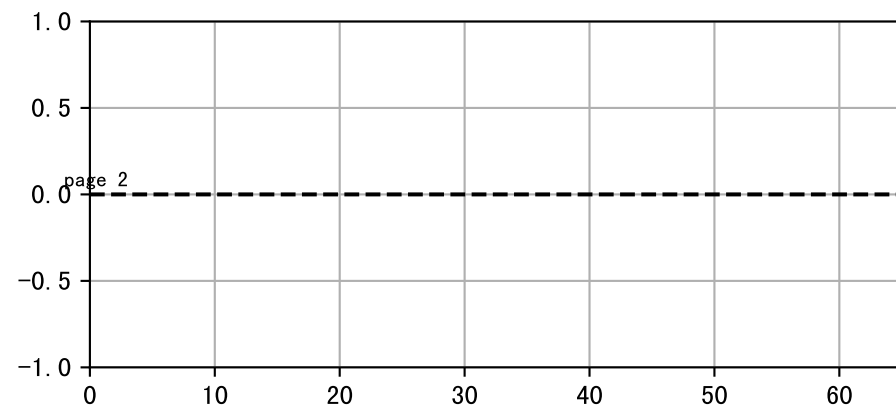
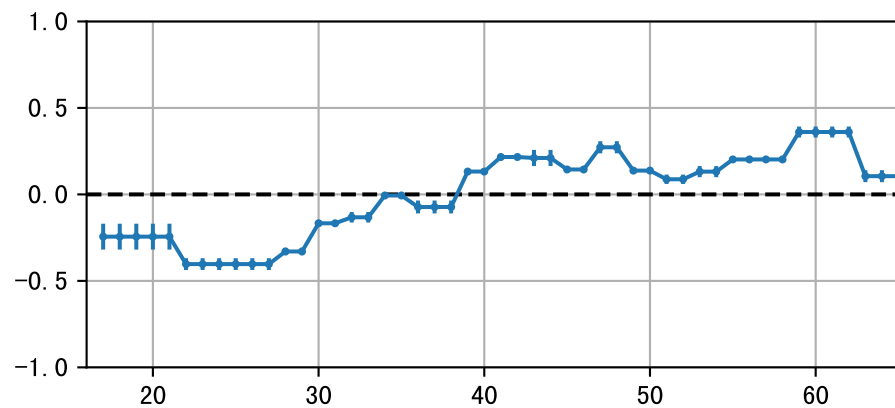
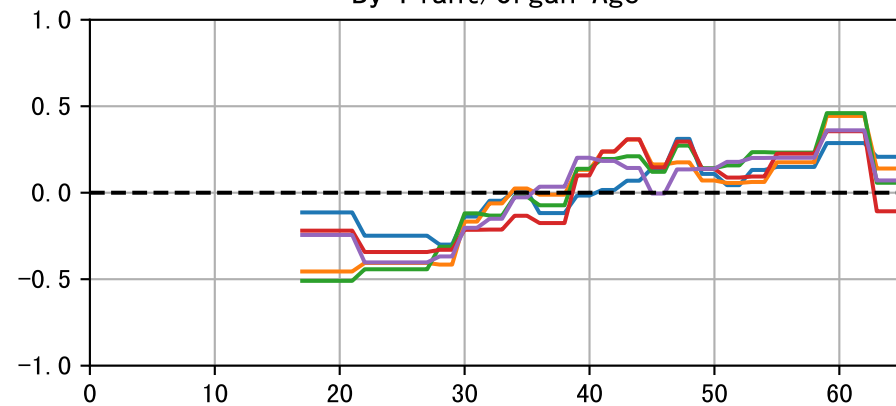


page 1

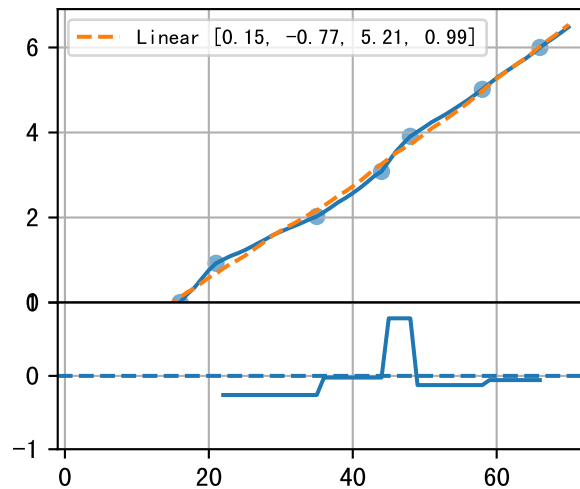
By Start Date



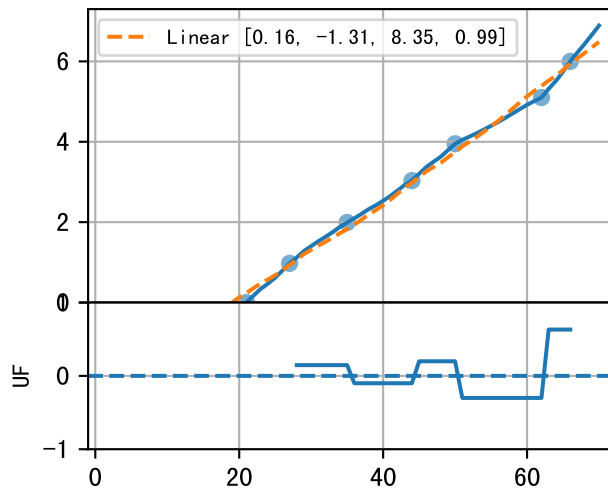
By Plant/Organ Age



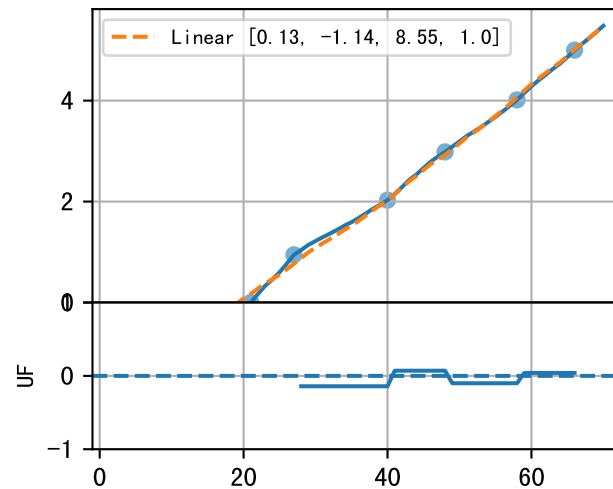
P9AW-005-13



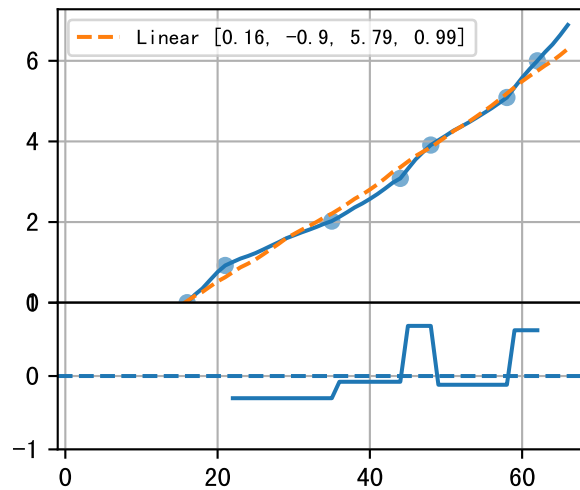
P9AW-017-26



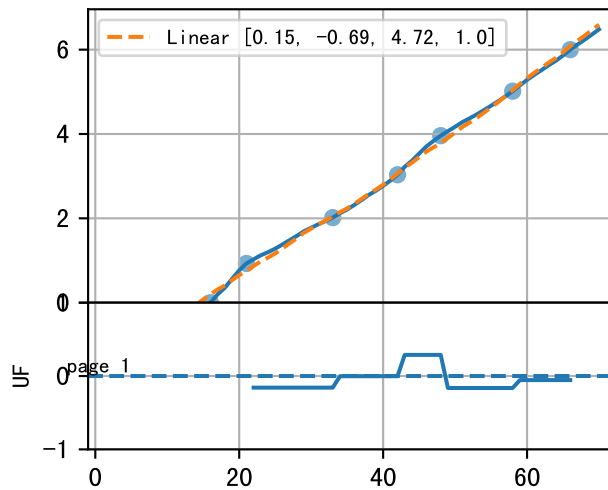
P9AW-029-11



P9AW-040-22



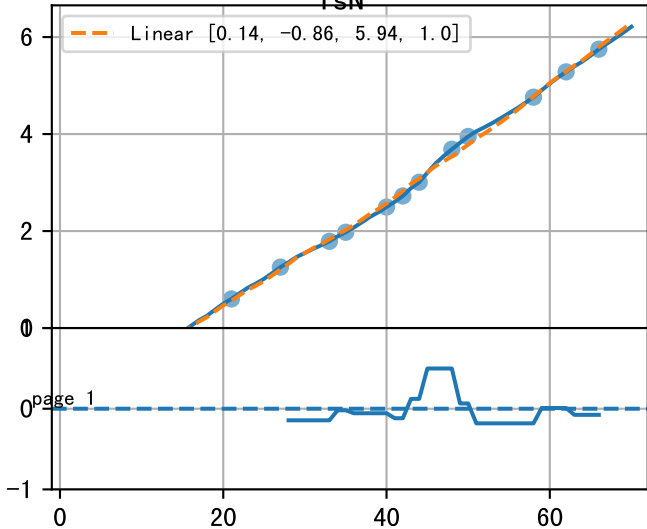
P9AW-052-18



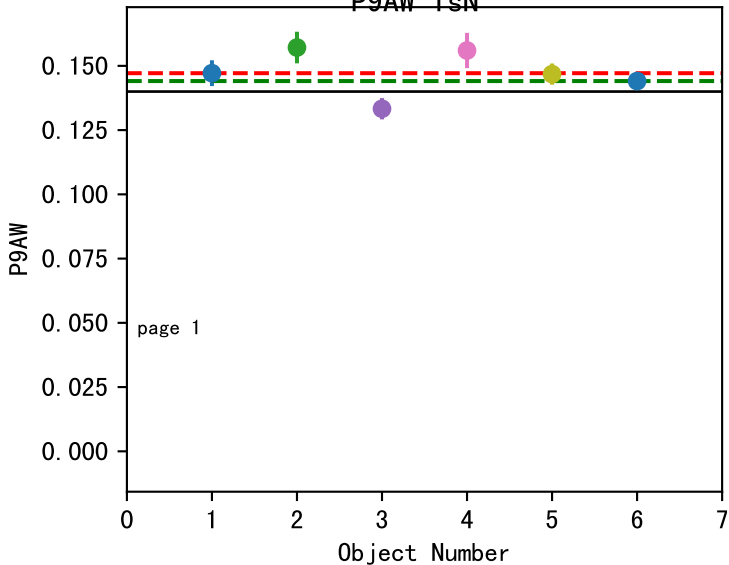
P9AWavg
T_{SN}

Linear [0.14, -0.86, 5.94, 1.0]

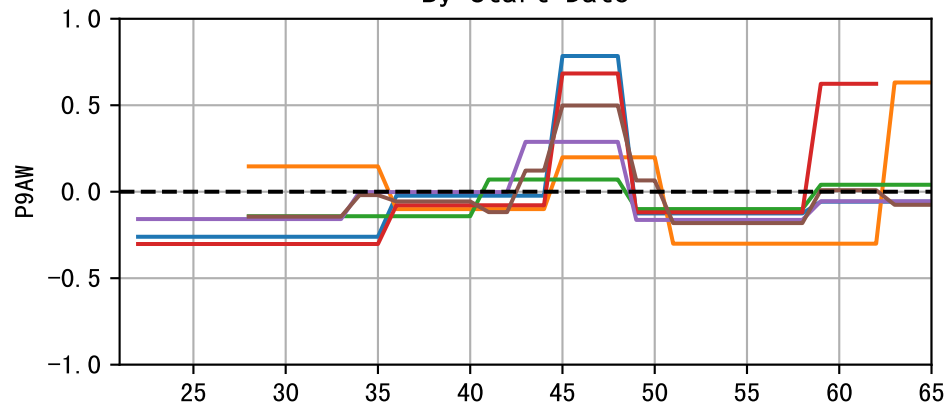
UF
page 1



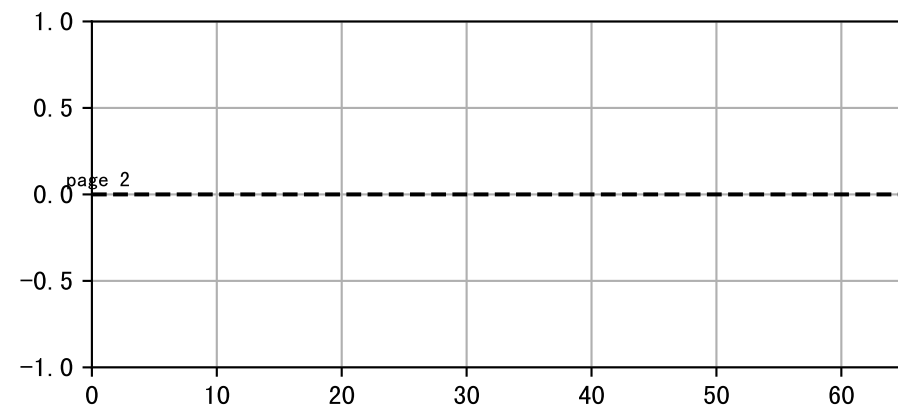
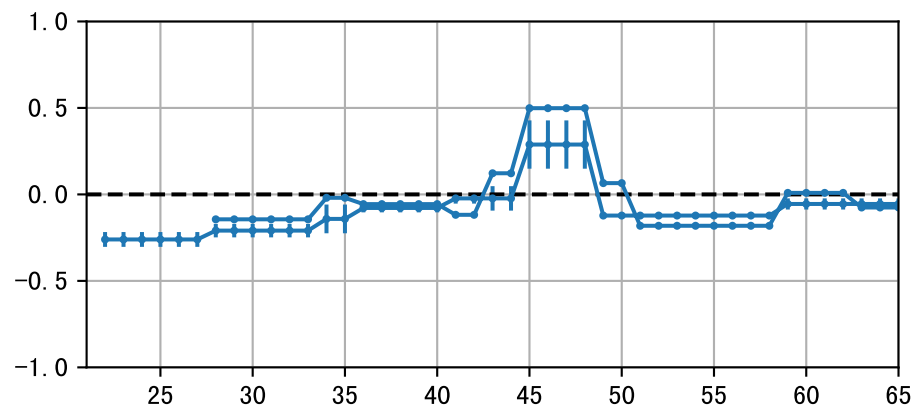
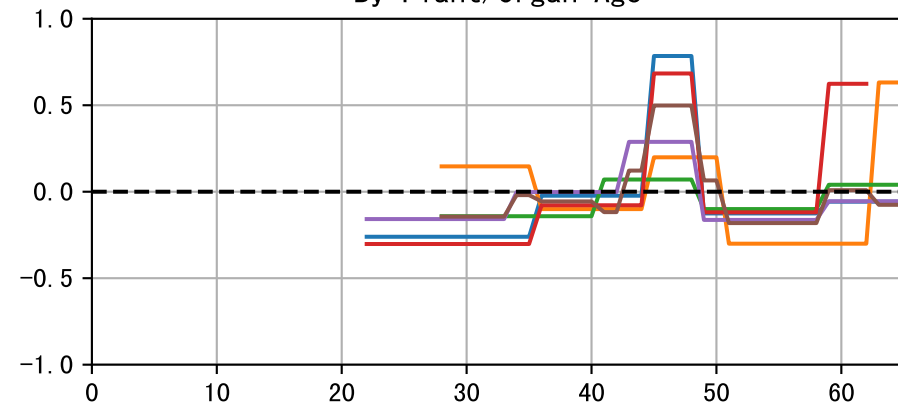
a (Def=0.14 Set=0.14)
avg1=0.15 $\sim$ 6% avg2=0.14 $\sim$ 4%
P9AW TSN

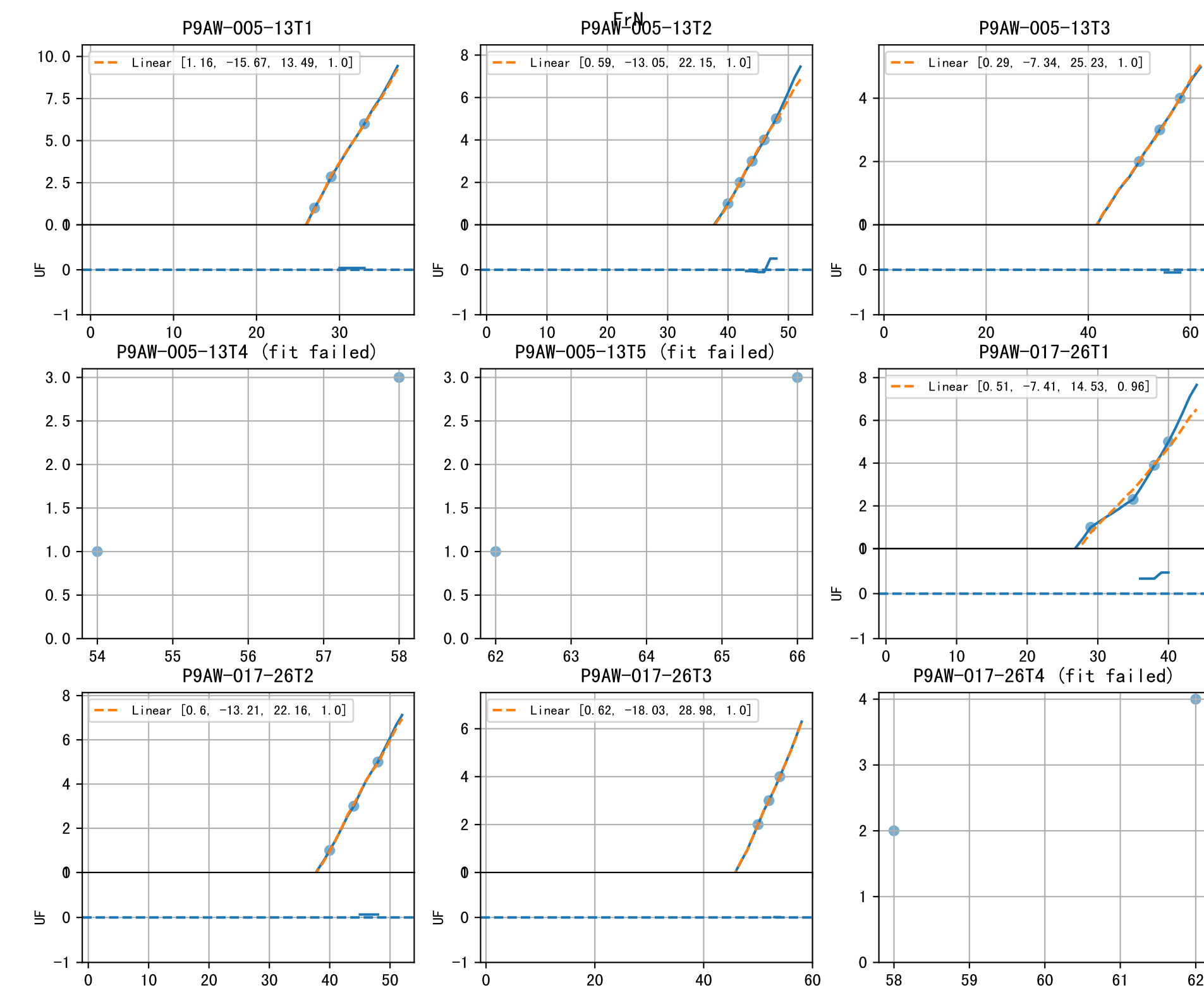


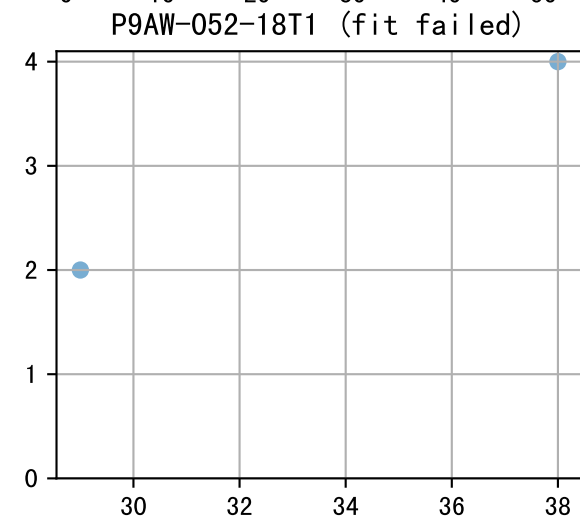
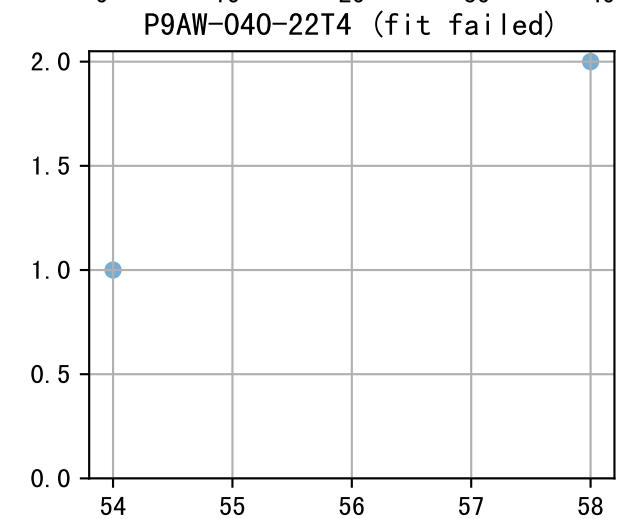
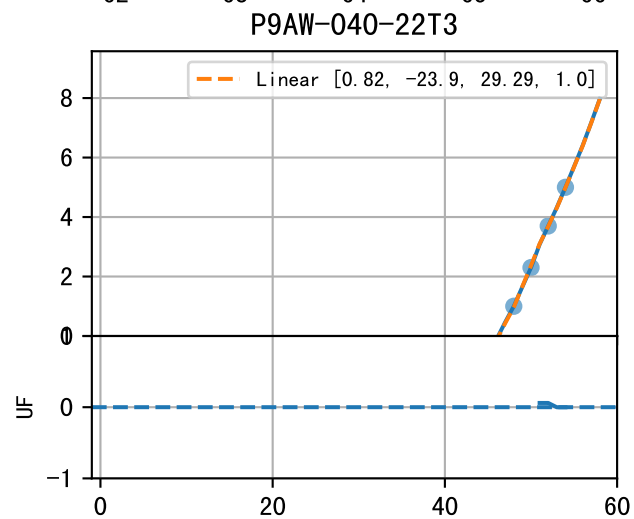
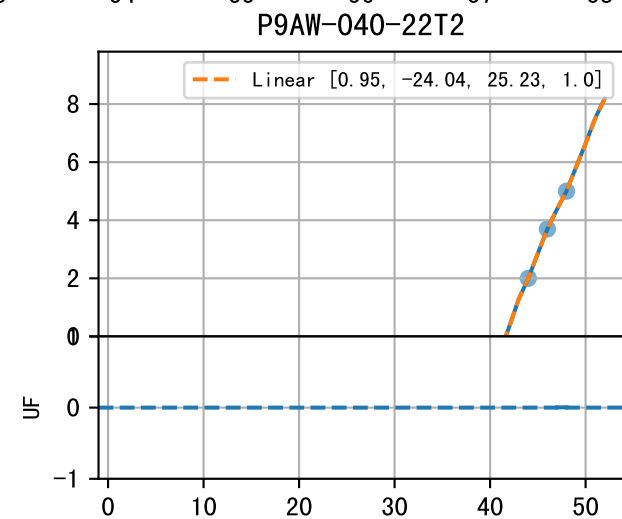
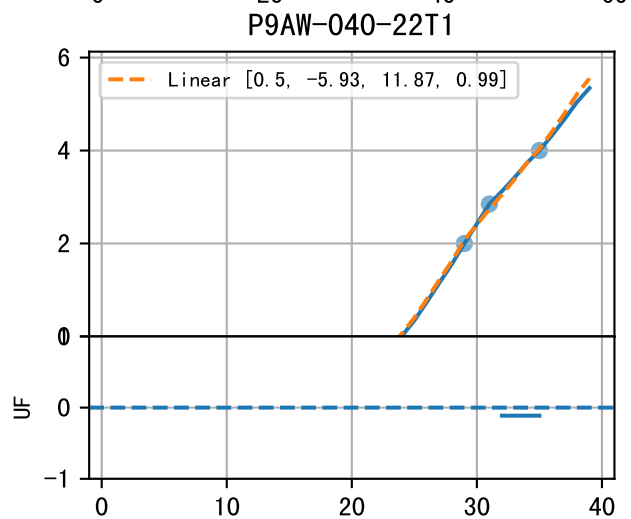
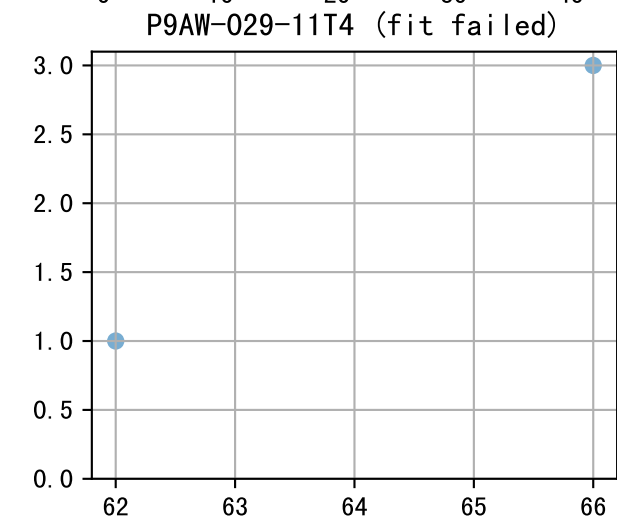
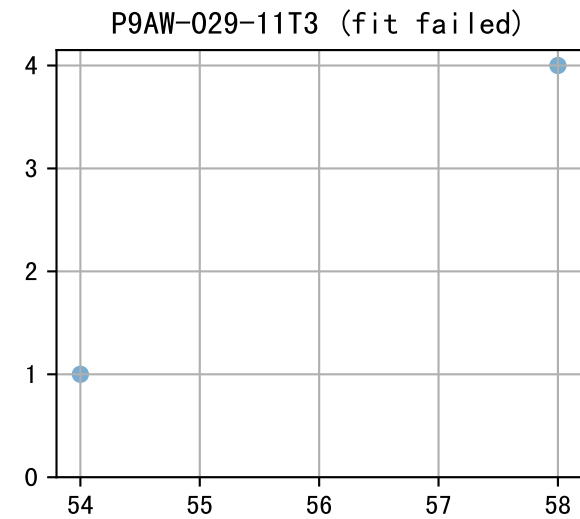
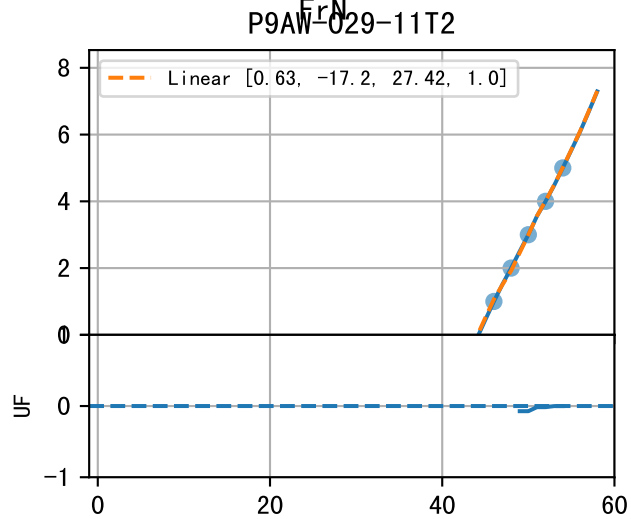
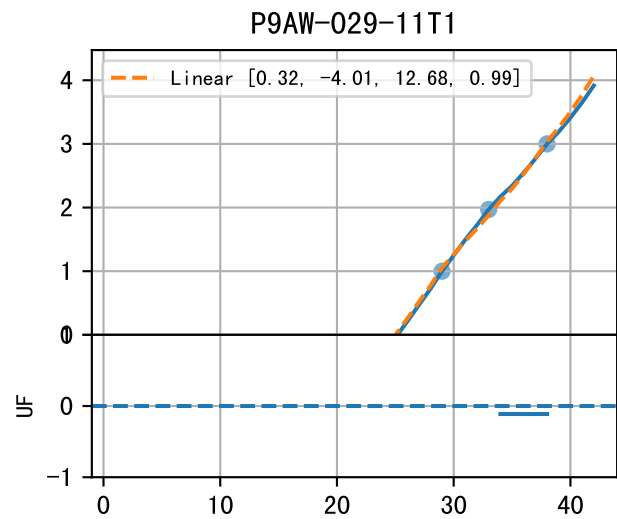
By Start Date



By Plant/Organ Age

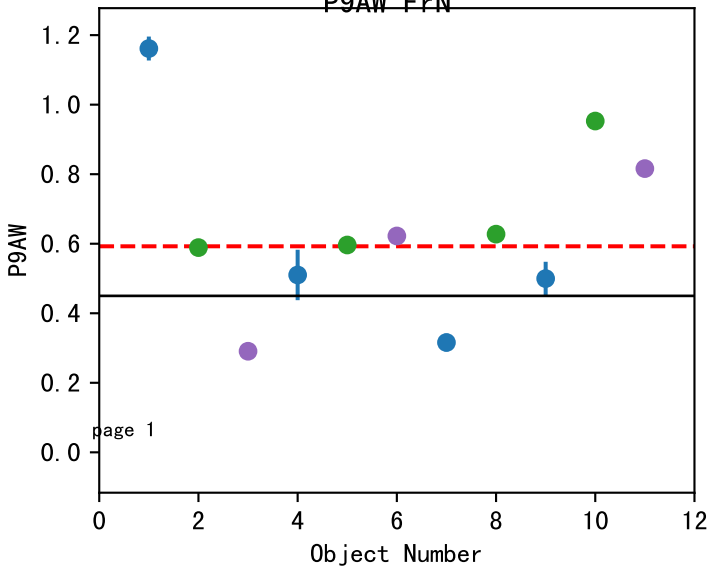




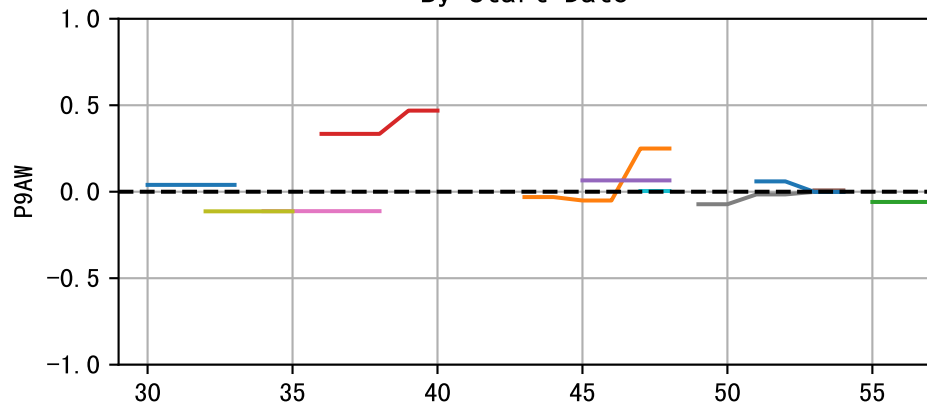




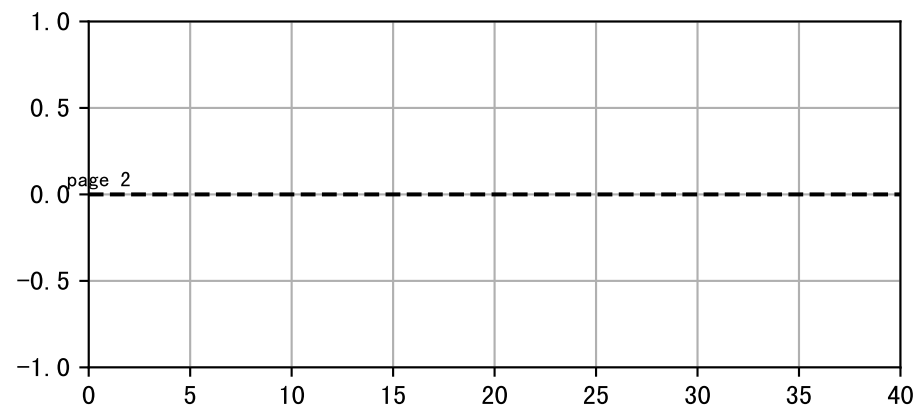
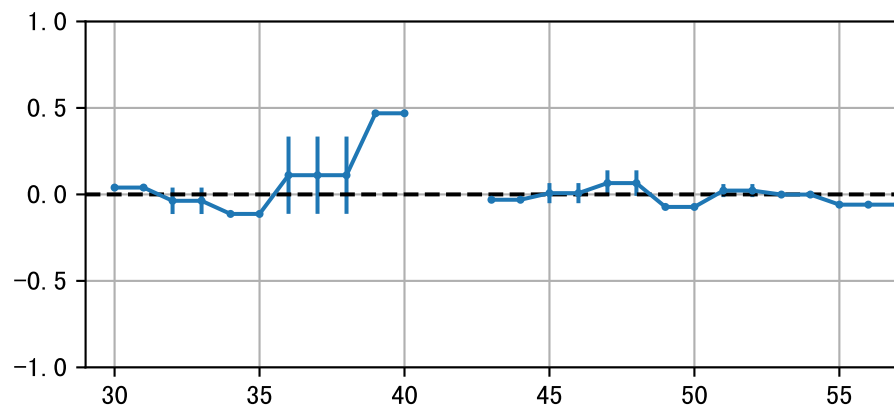
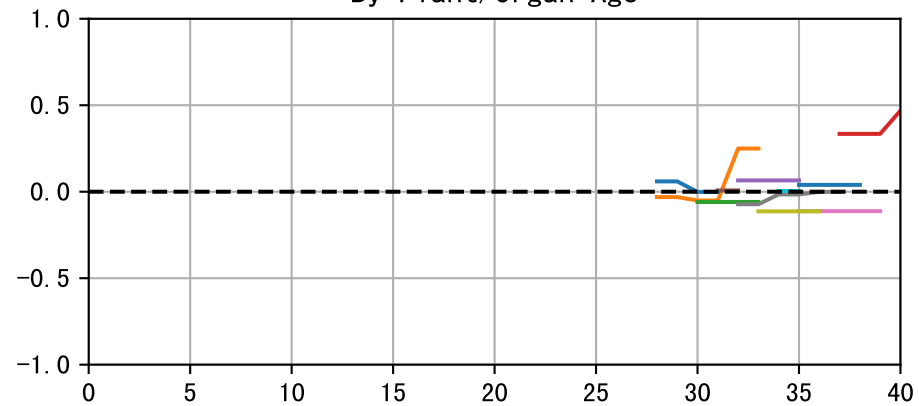
a (Def=0.45 Set=0.59)
avg1=0.59~34% avg2=na

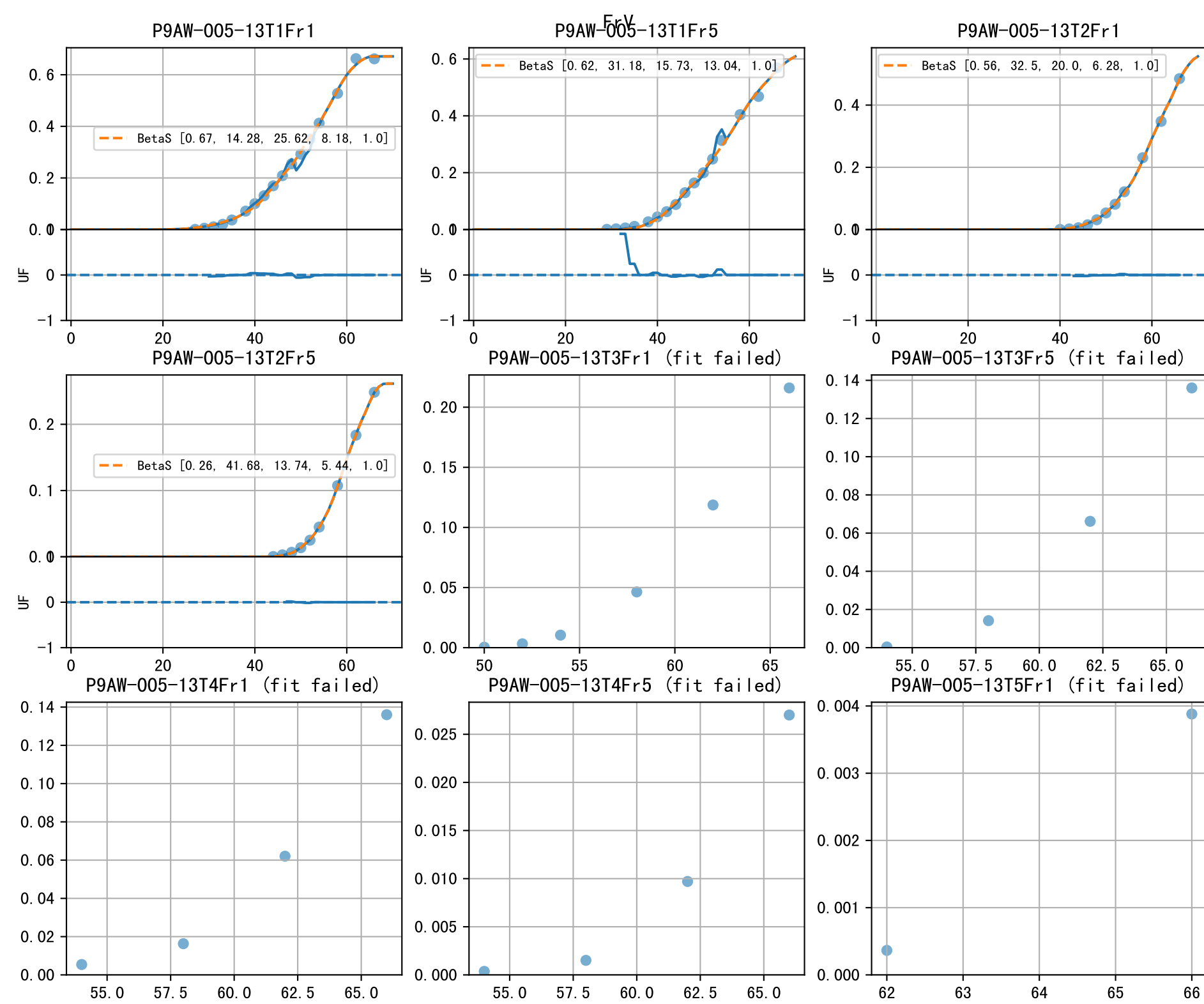


By Start Date



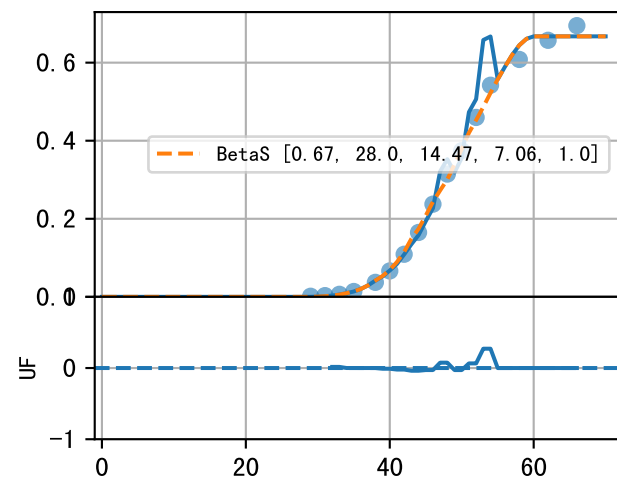
By Plant/Organ Age



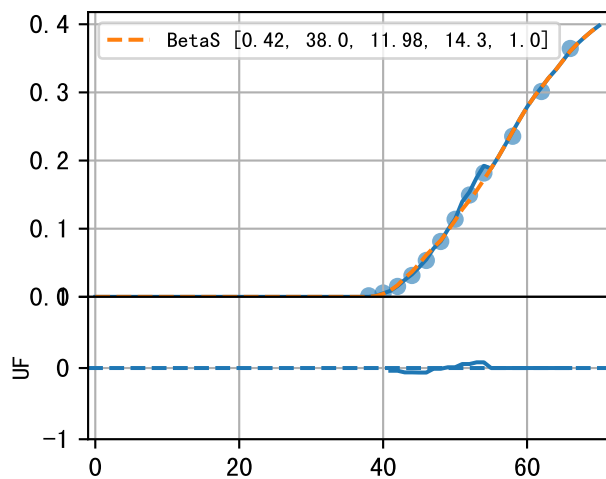


FrV

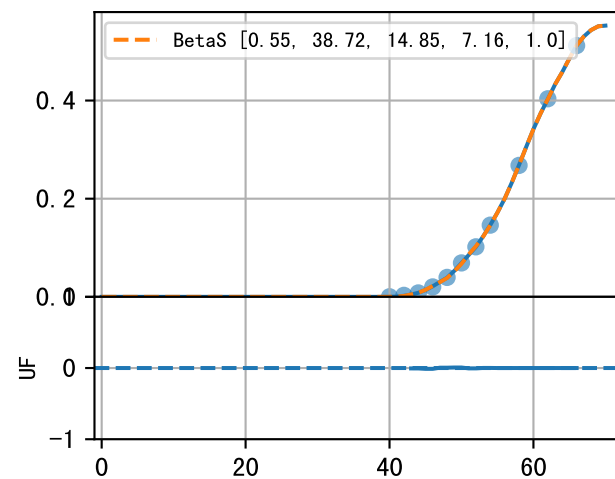
P9AW-017-26T1Fr1



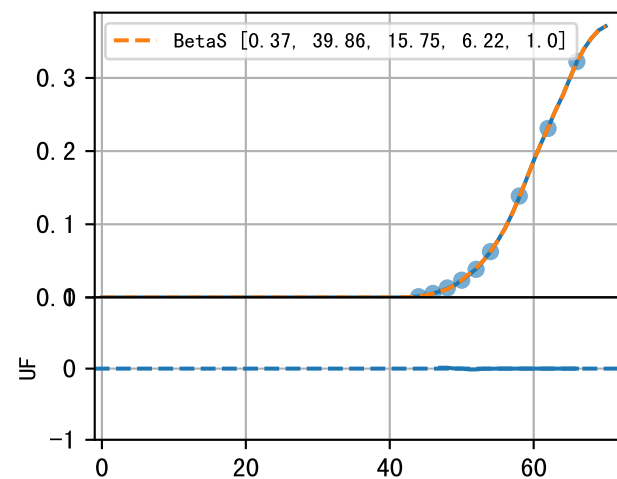
P9AW-017-26T1Fr5



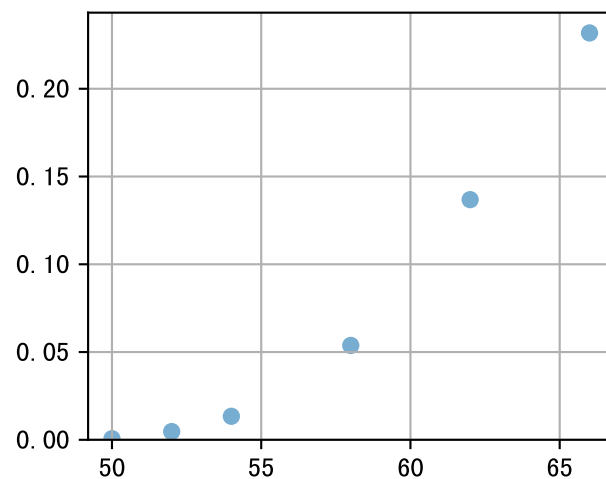
P9AW-017-26T2Fr1



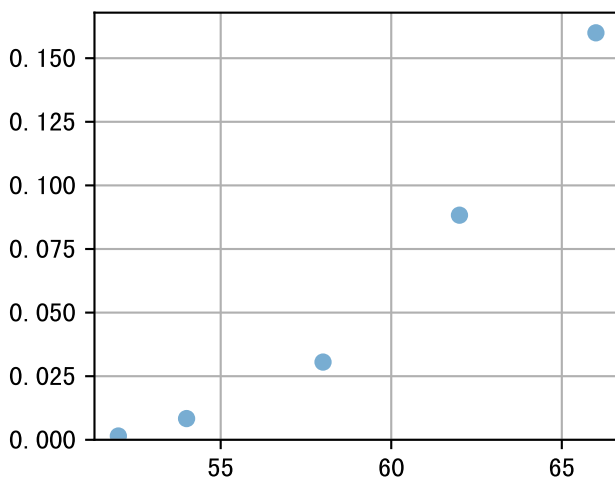
P9AW-017-26T2Fr5



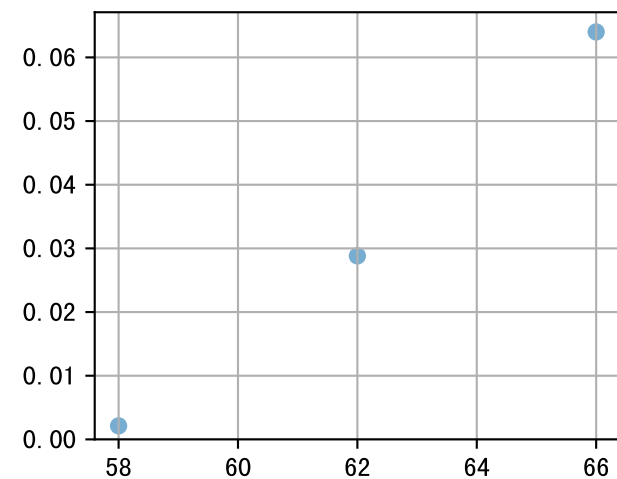
P9AW-017-26T3Fr1 (fit failed)



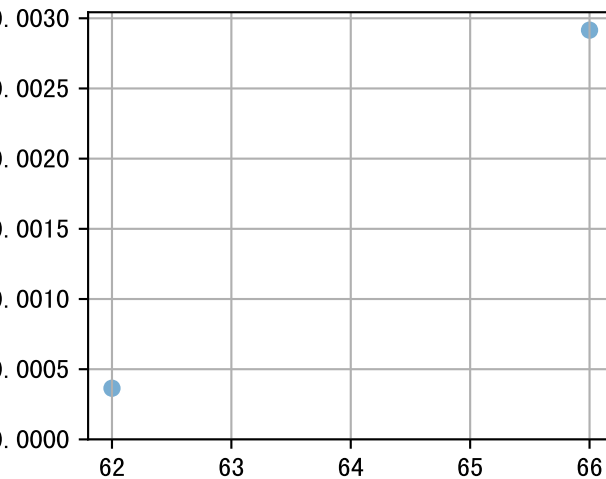
P9AW-017-26T3Fr5 (fit failed)



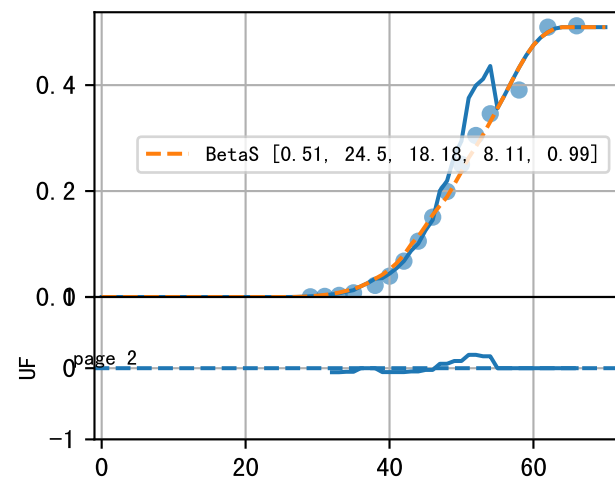
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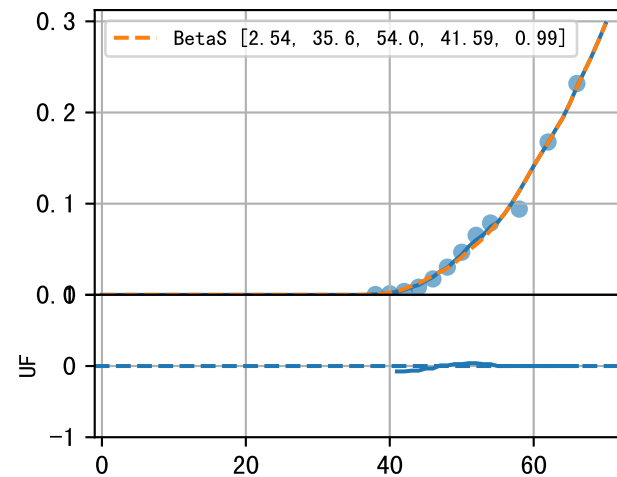
P9AW-017-26T4Fr5 (fit failed)



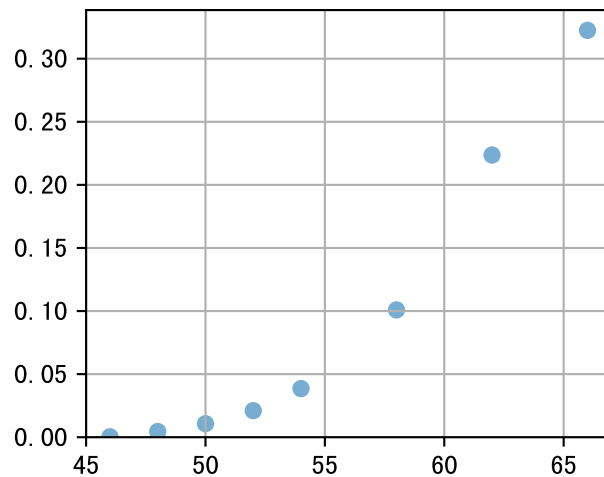
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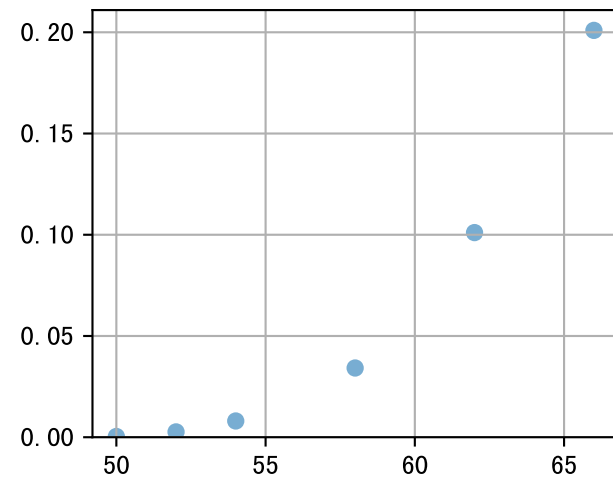
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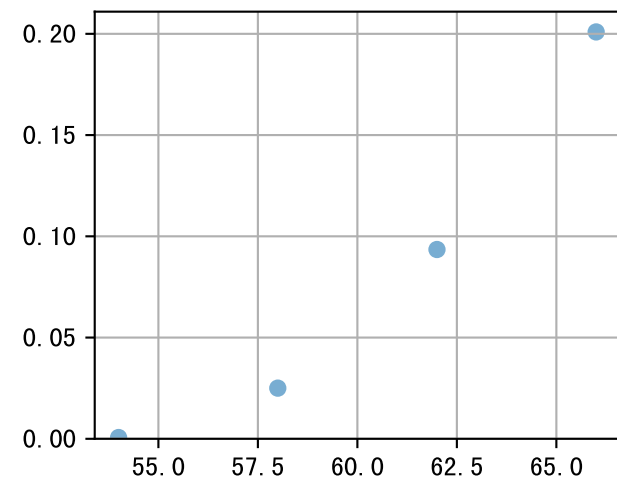
P9AW-029-11T2Fr1 (fit failed)



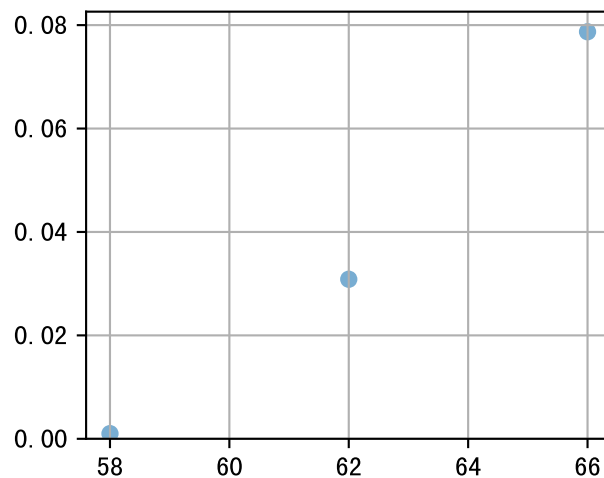
P9AW-029-11T2Fr5 (fit failed)



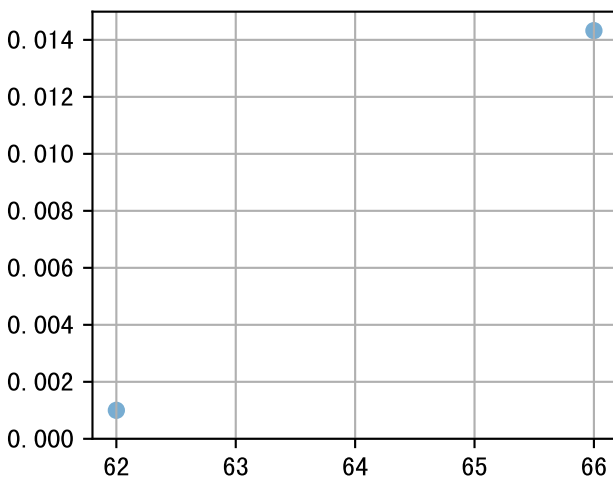
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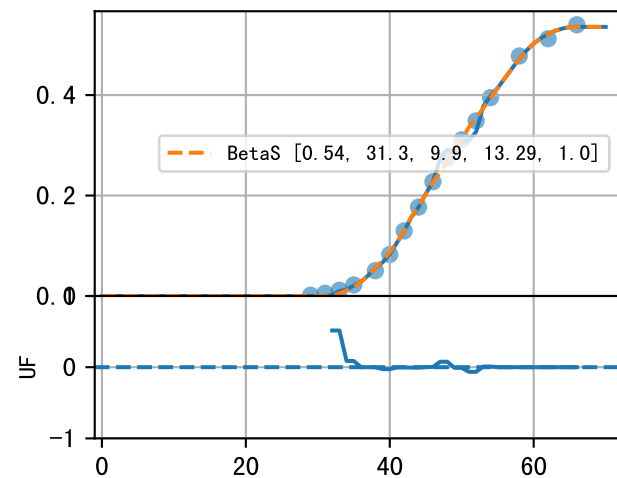
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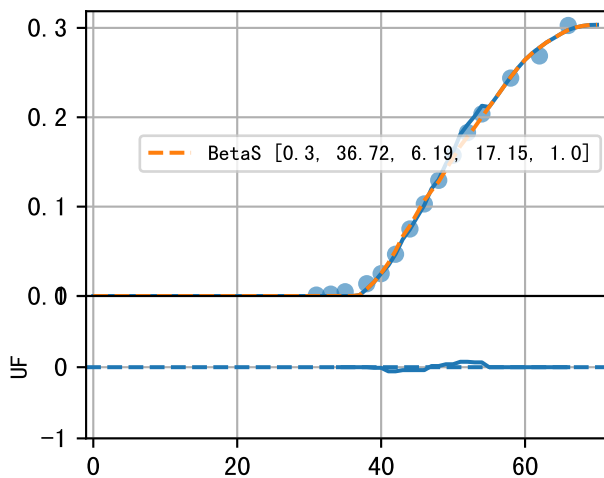
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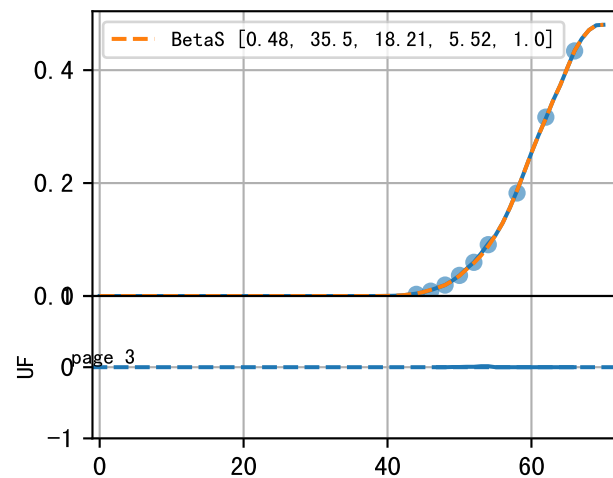
P9AW-040-22T1Fr1



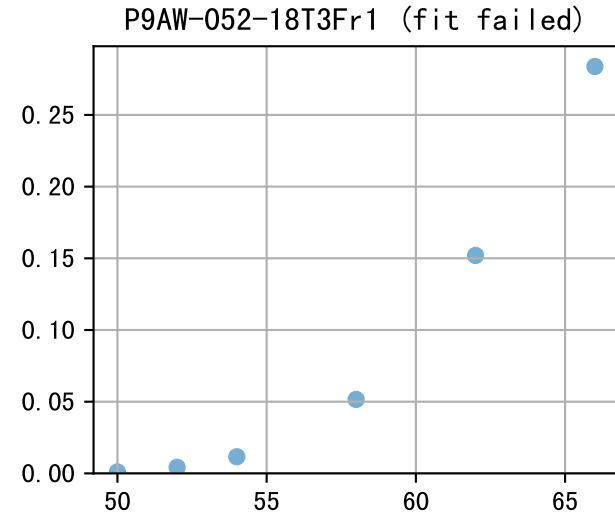
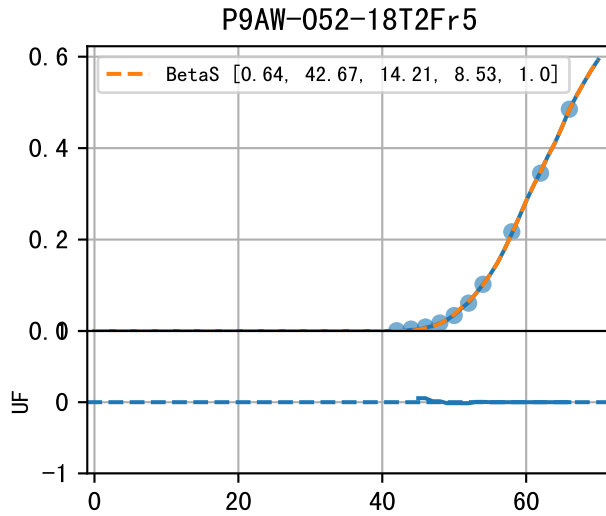
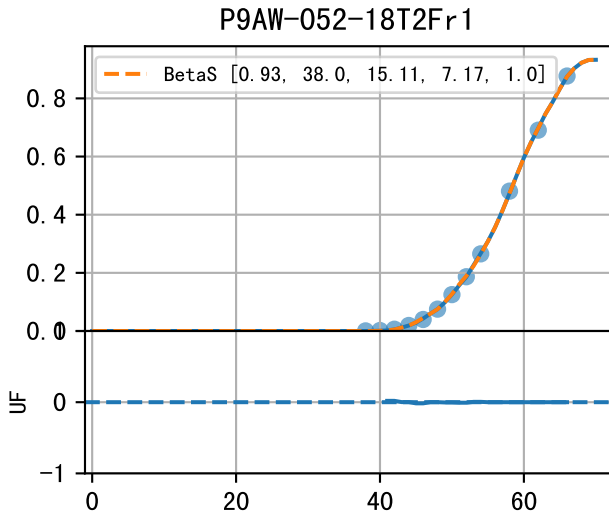
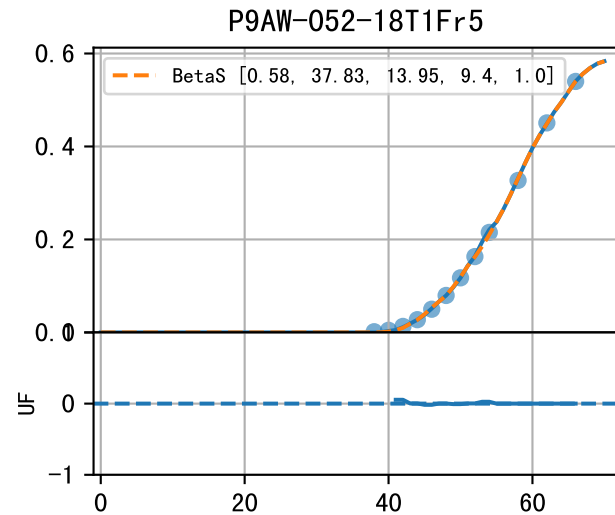
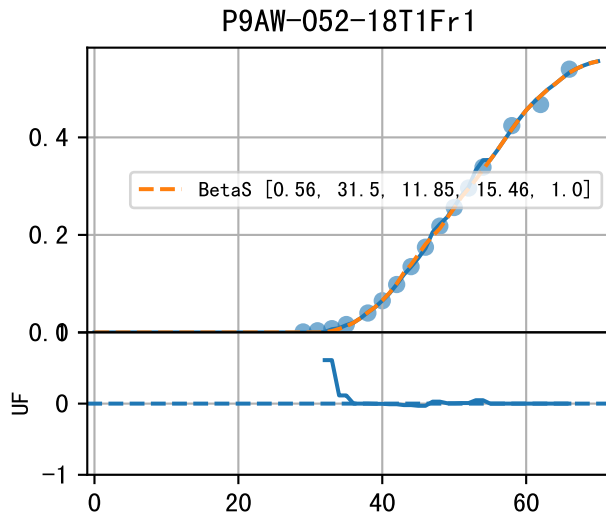
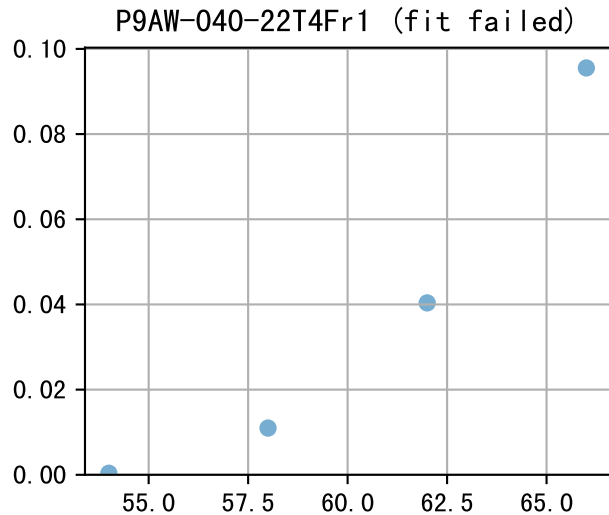
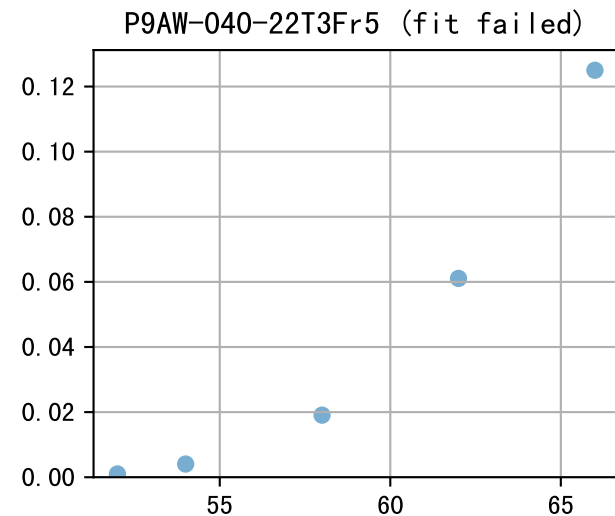
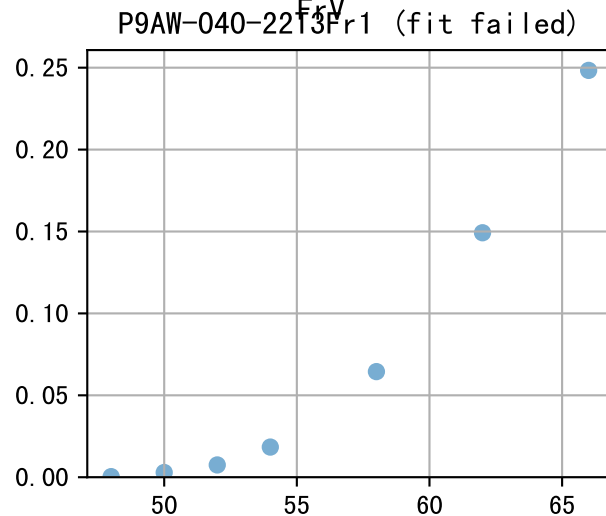
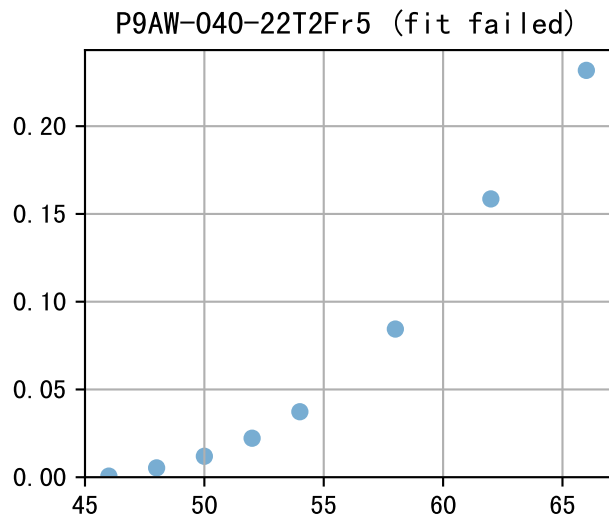
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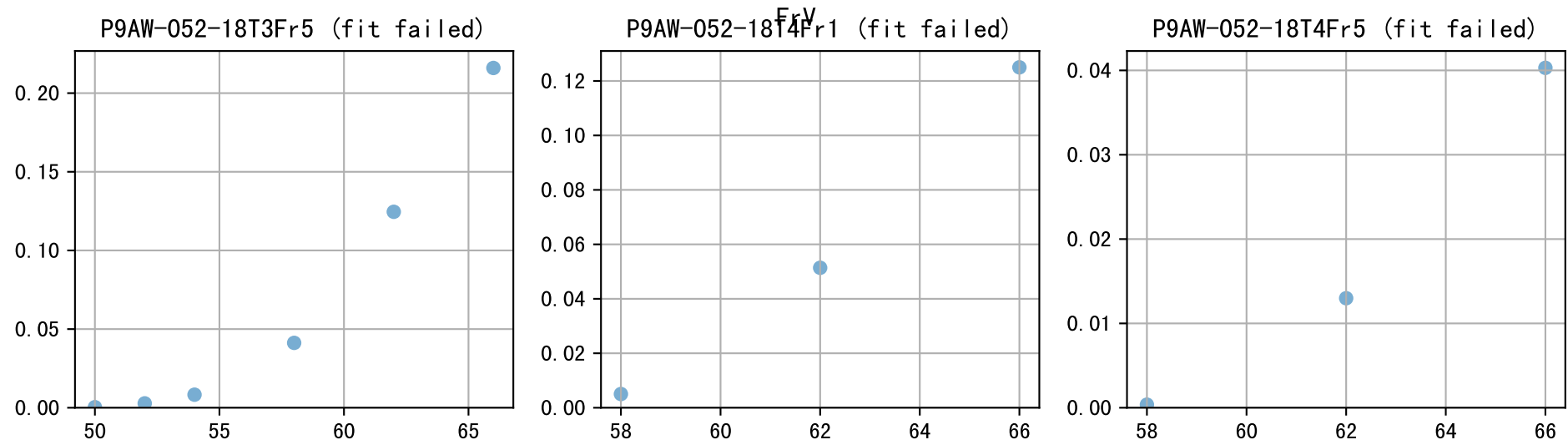


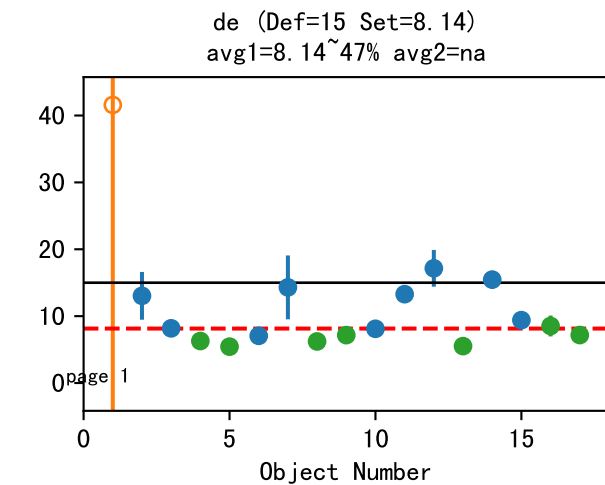
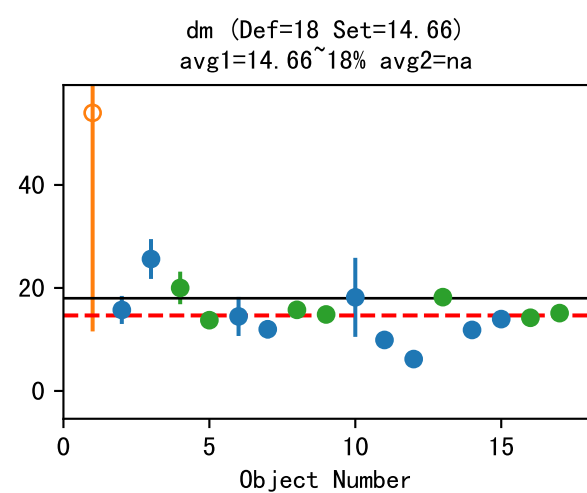
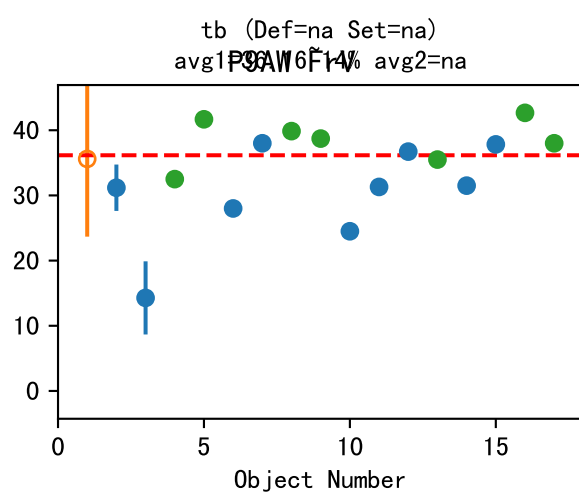
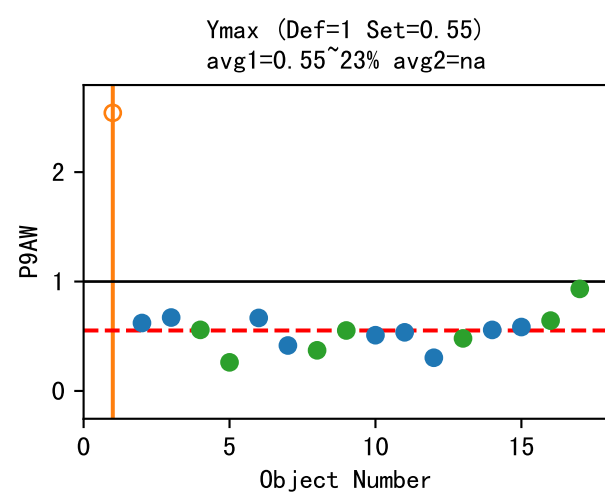
P9AW-040-22T2Fr1



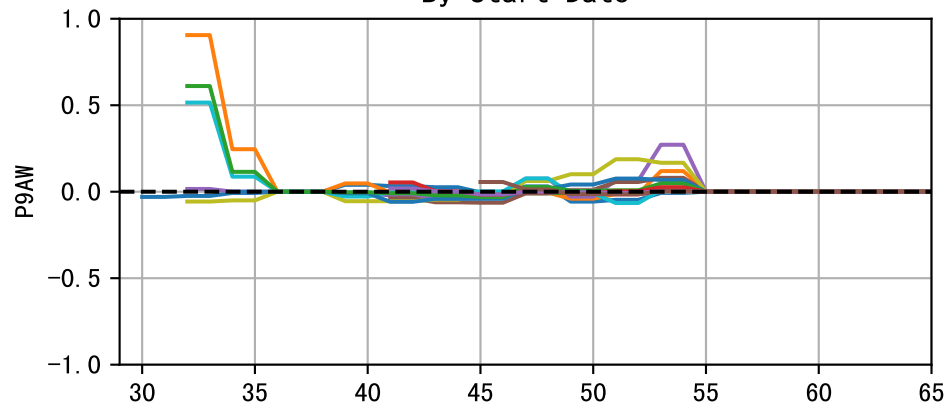
FrV



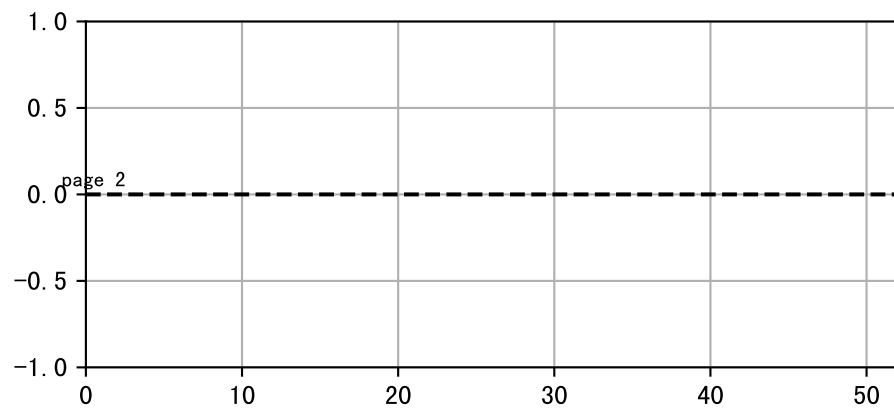
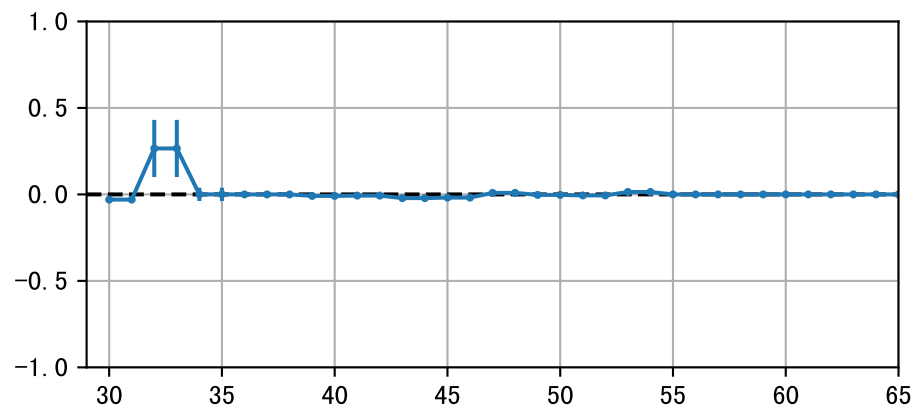
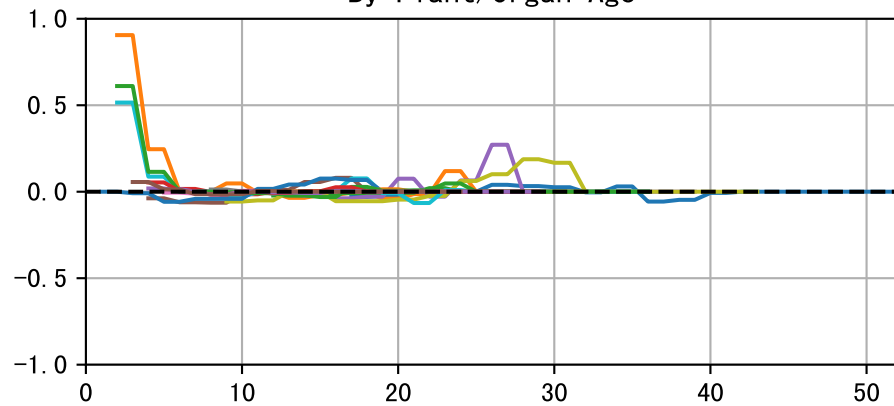


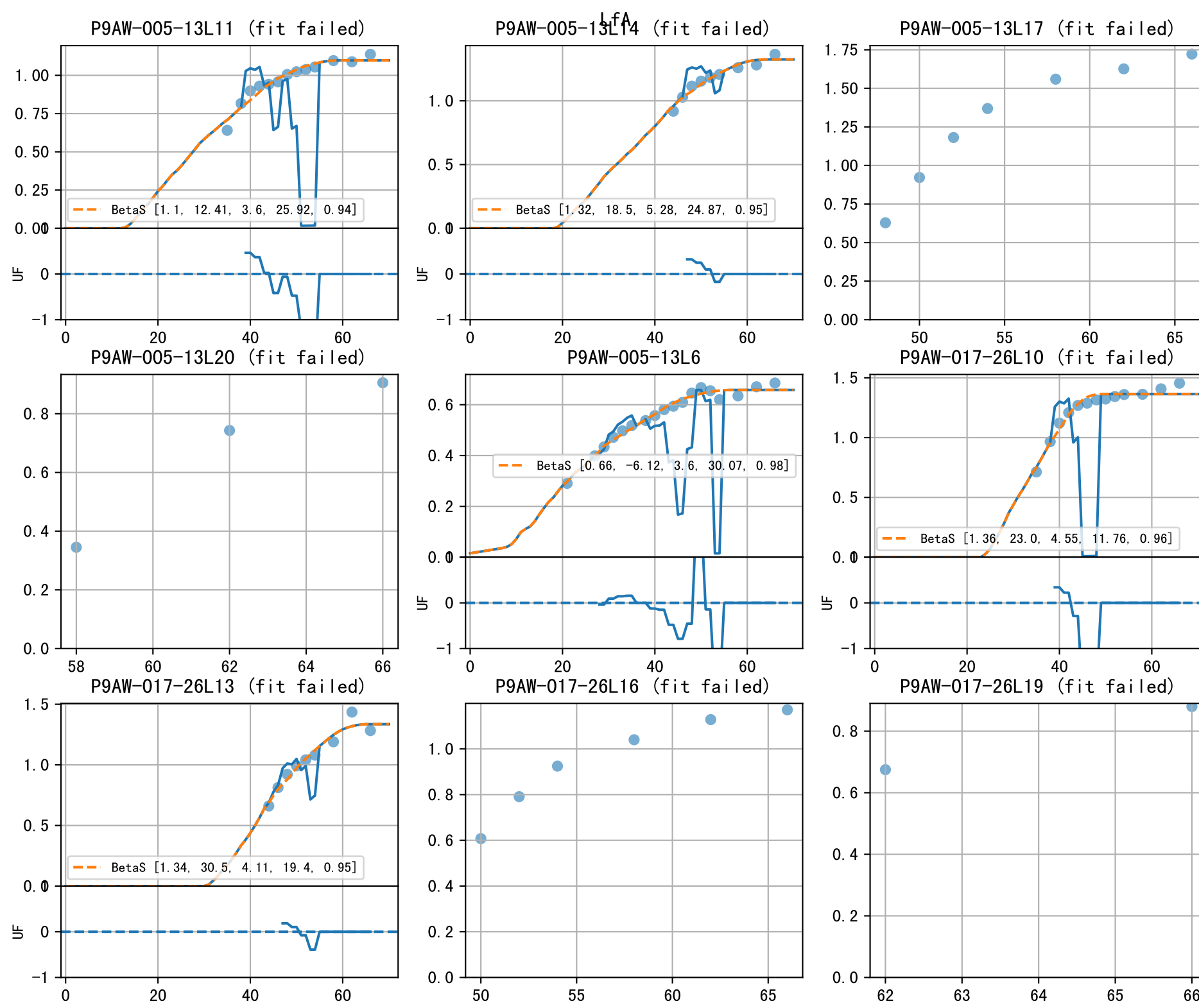


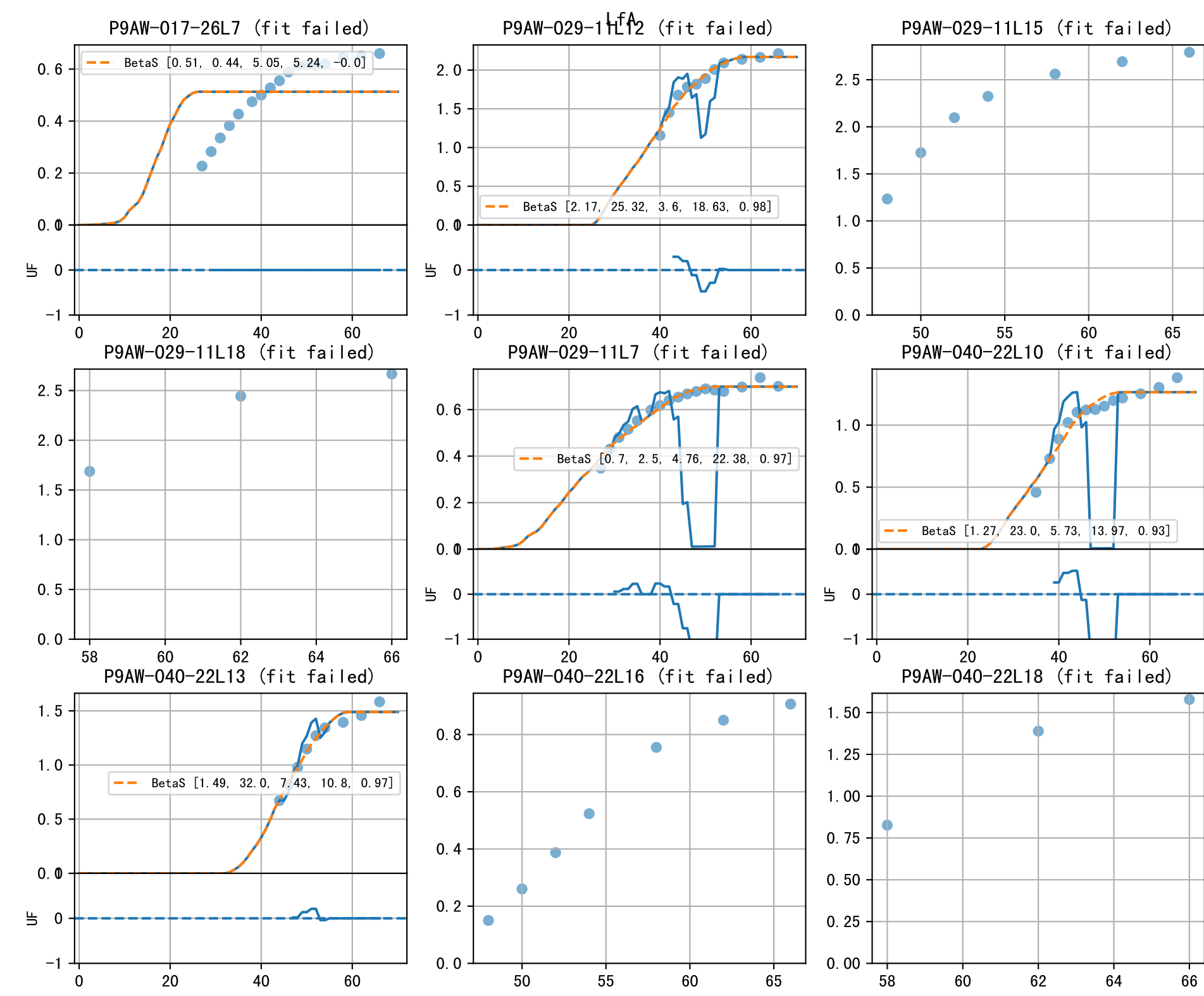
By Start Date



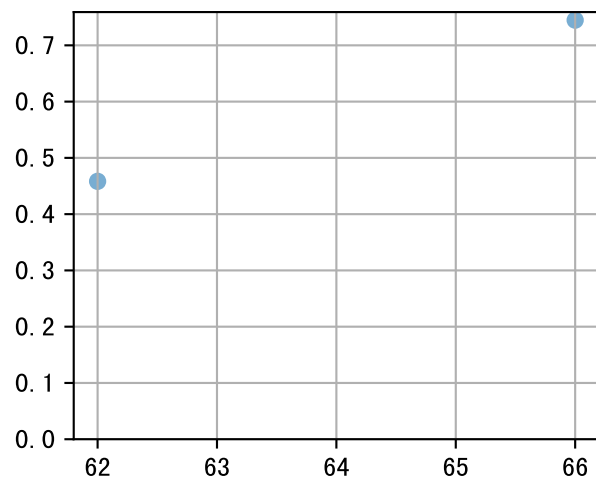
By Plant/Organ Age



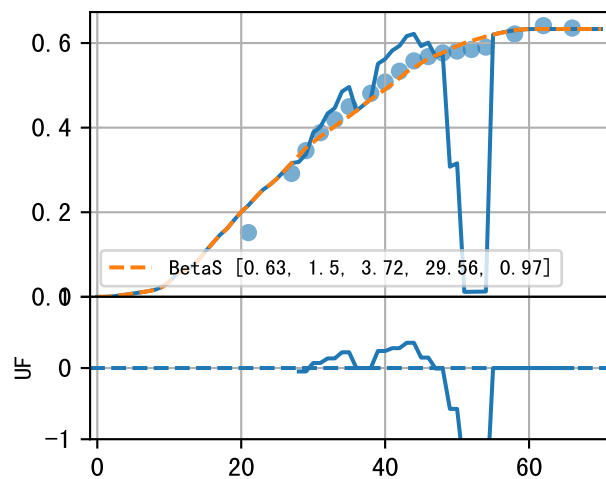




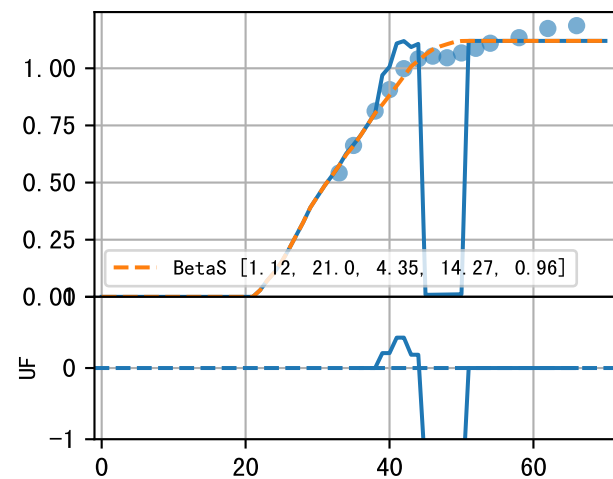
P9AW-040-22L21 (fit failed)



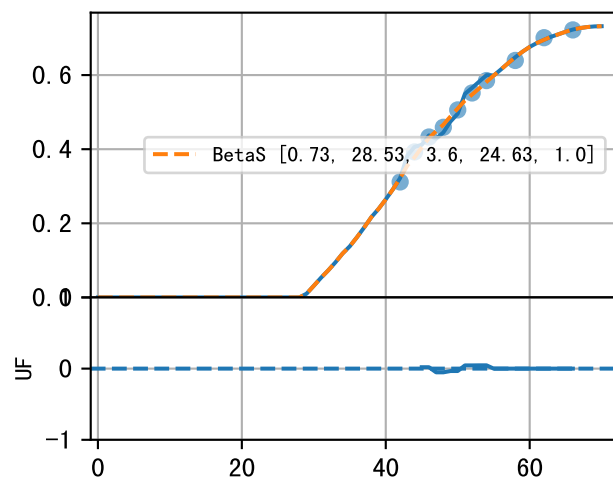
P9AW-040-22L7 (fit failed)



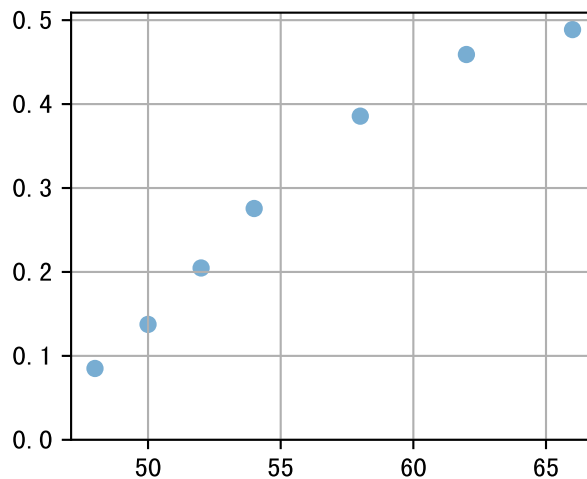
P9AW-052-18L10 (fit failed)



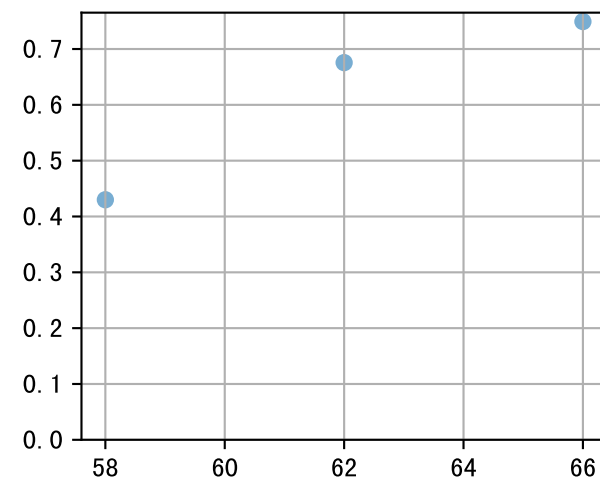
P9AW-052-18L14 (fit failed)



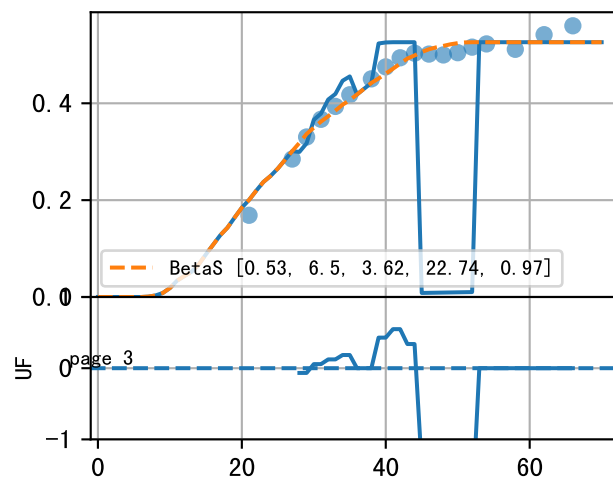
P9AW-052-18L17 (fit failed)

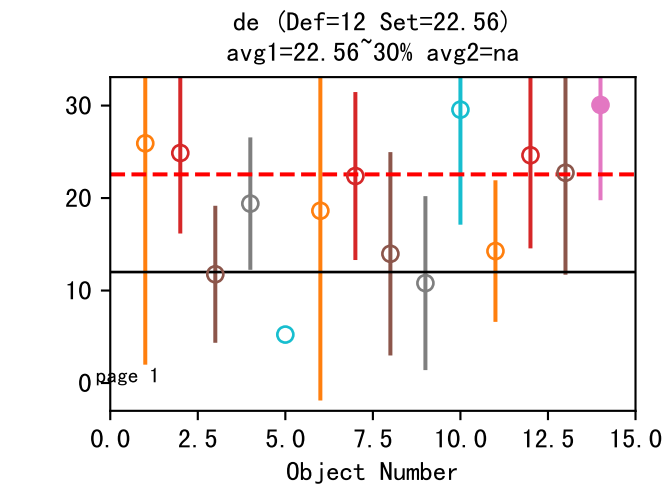
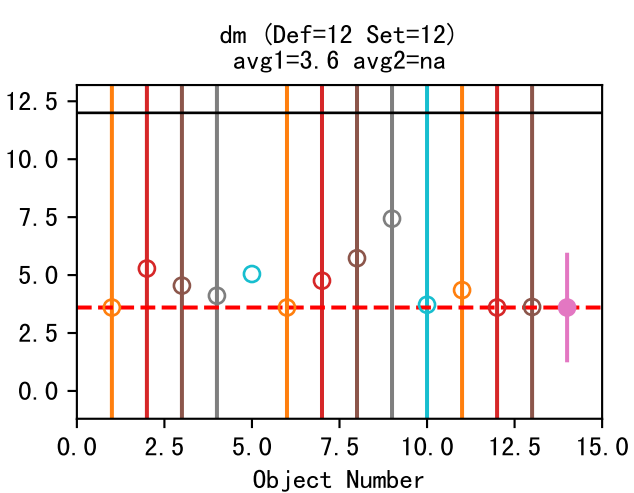
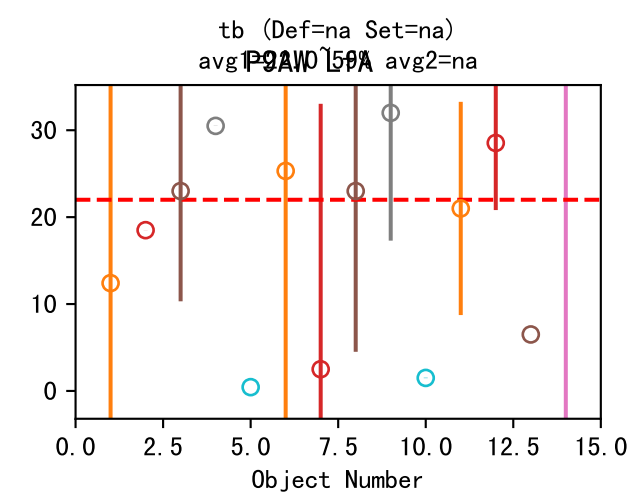
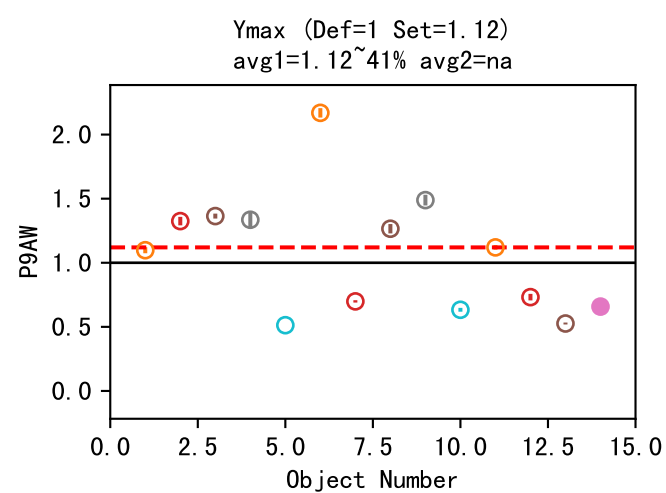


P9AW-052-18L19 (fit failed)

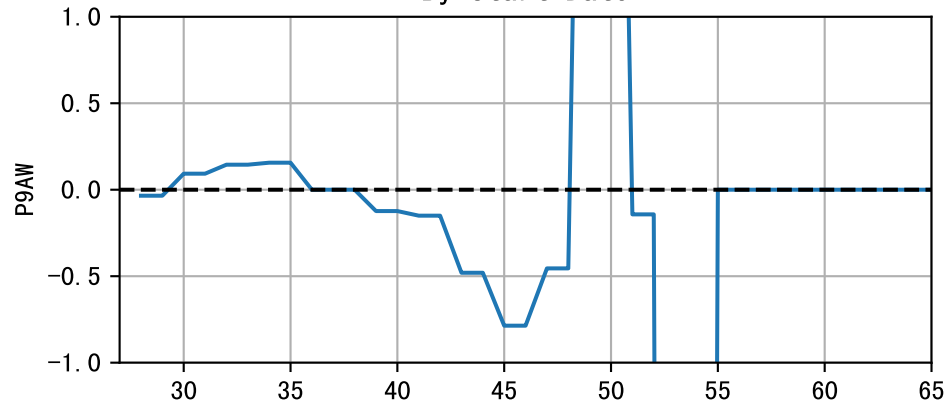


P9AW-052-18L7 (fit failed)

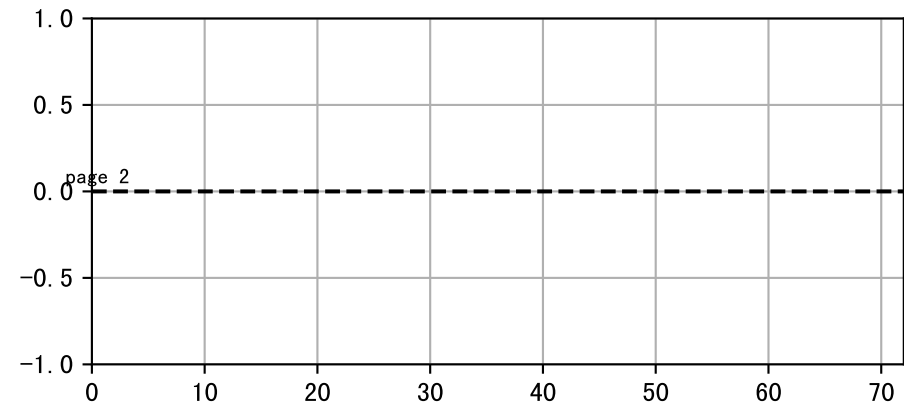
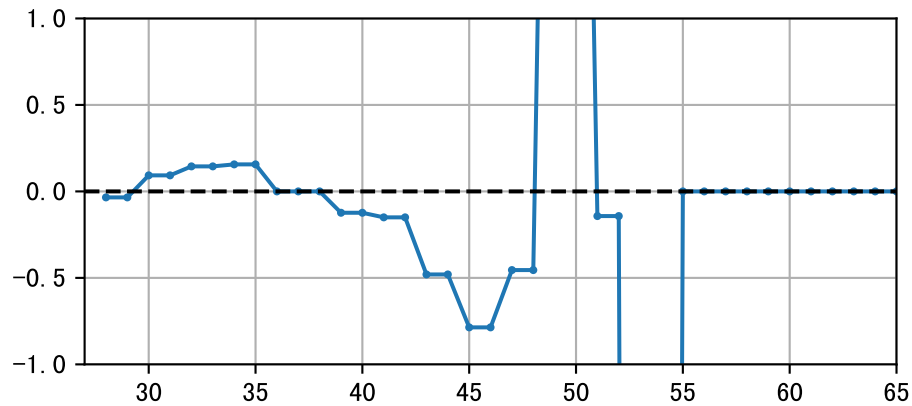
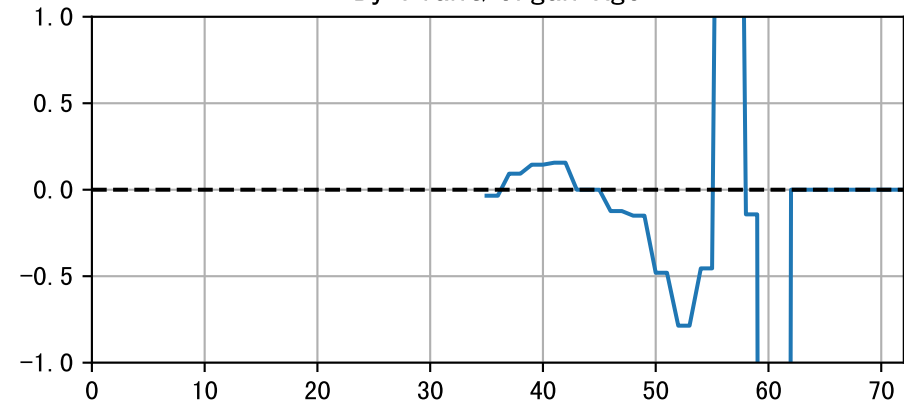


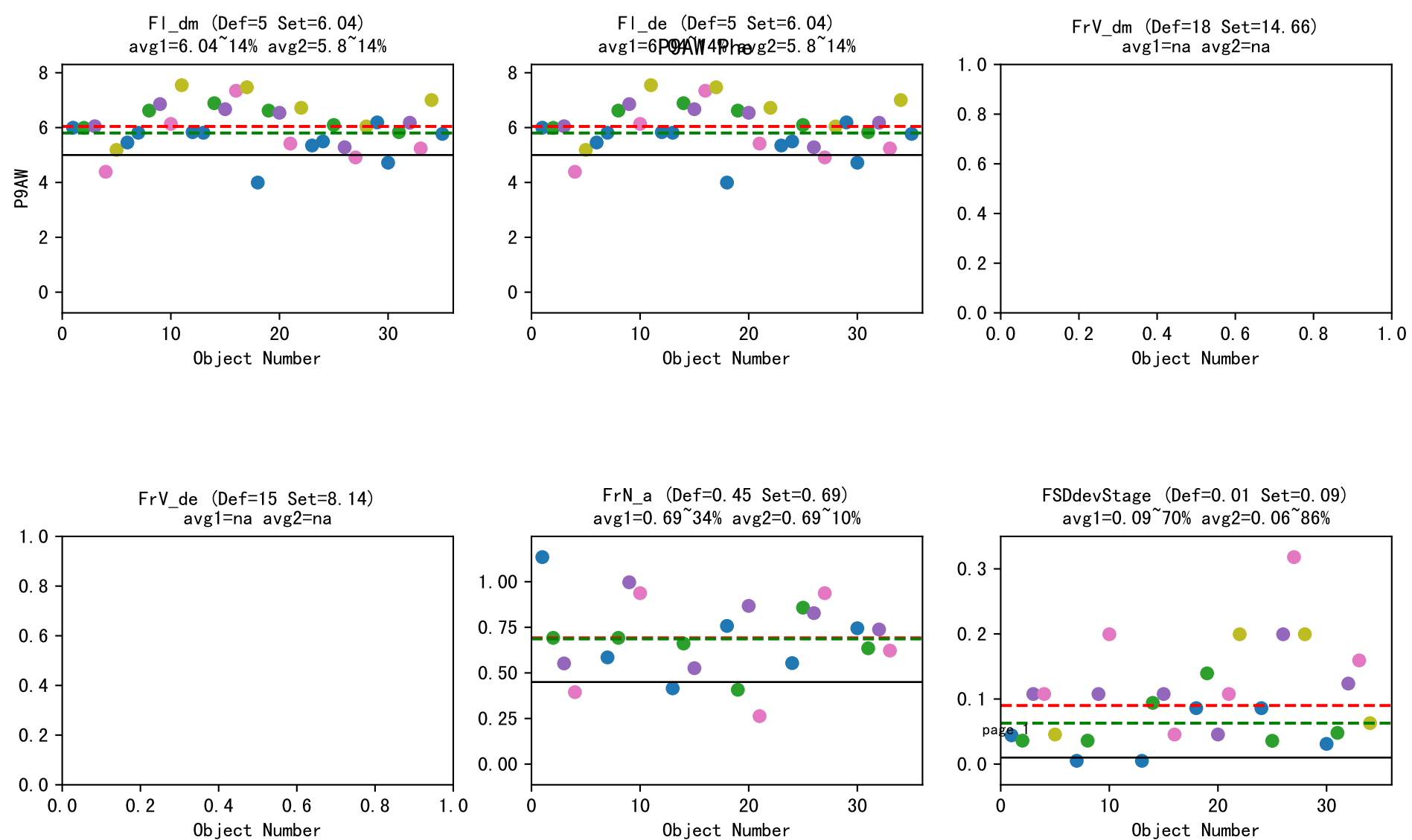


By Start Date

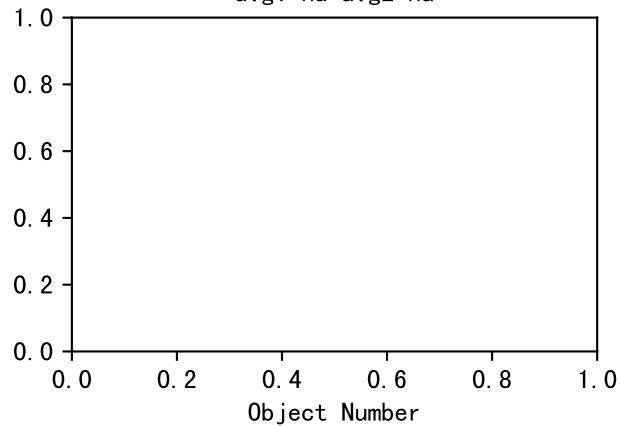


By Plant/Organ Age

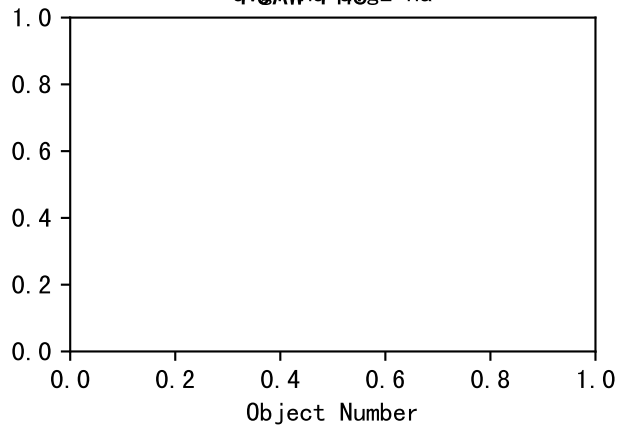




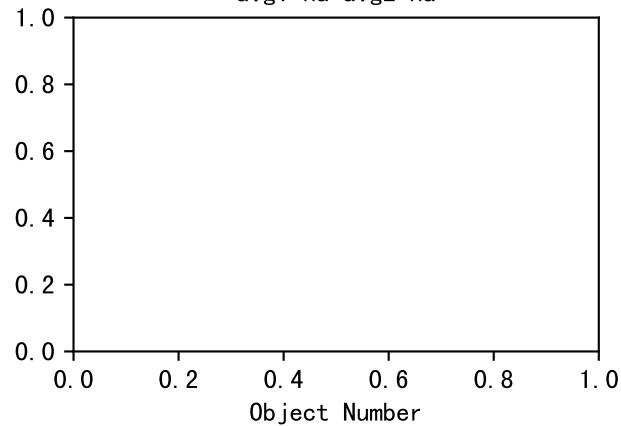
FGDdevStage (Def=0.7 Set=0.7)
avg1=na avg2=na



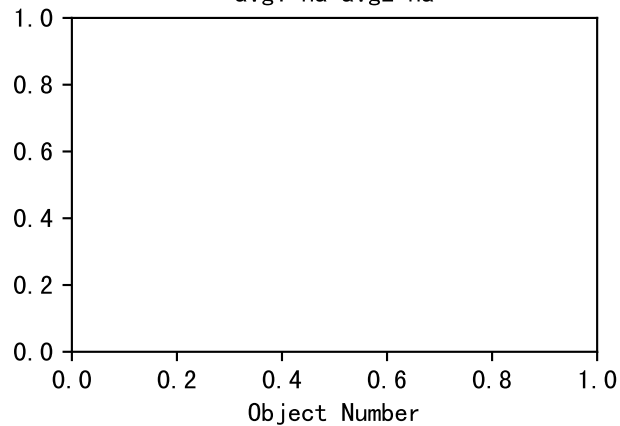
FMBDevStage (Def=1.3 Set=1.3)
avg1=na avg2=na



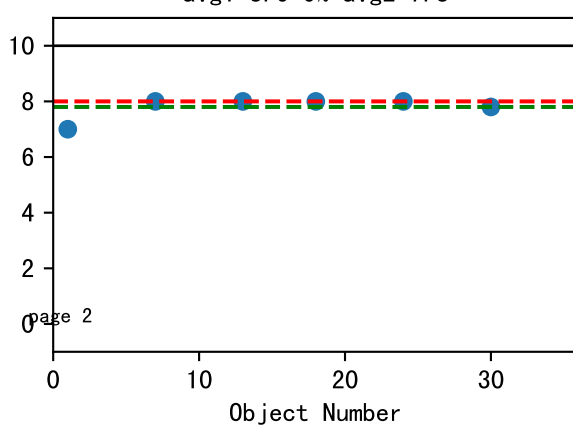
FMEDdevStage (Def=1.8 Set=1.8)
avg1=na avg2=na



FHDdevStage (Def=1.5 Set=1.5)
avg1=na avg2=na

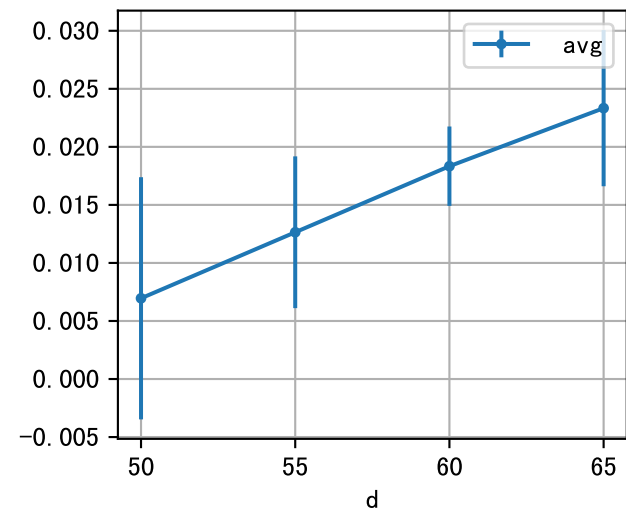


NNgen (Def=10 Set=8)
avg1=8.0~0% avg2=7.8

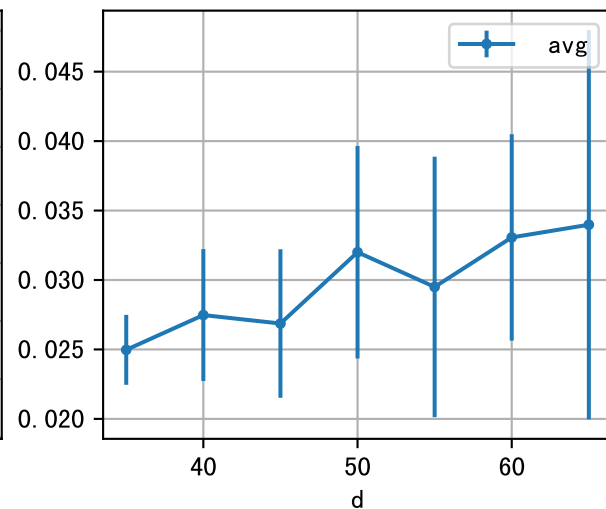


LfA: avg vs. d at each age group

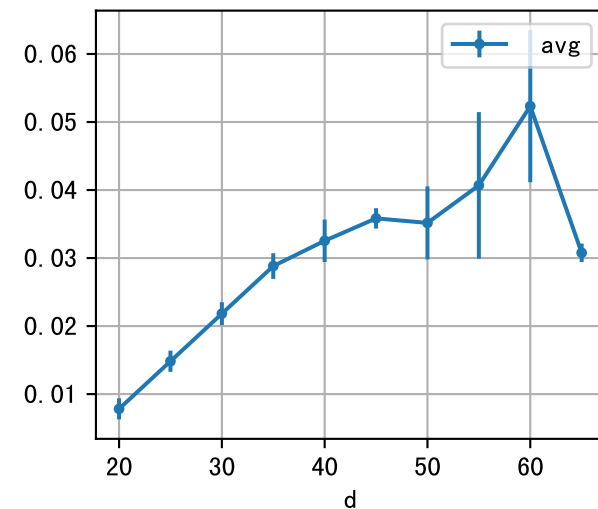
age=15



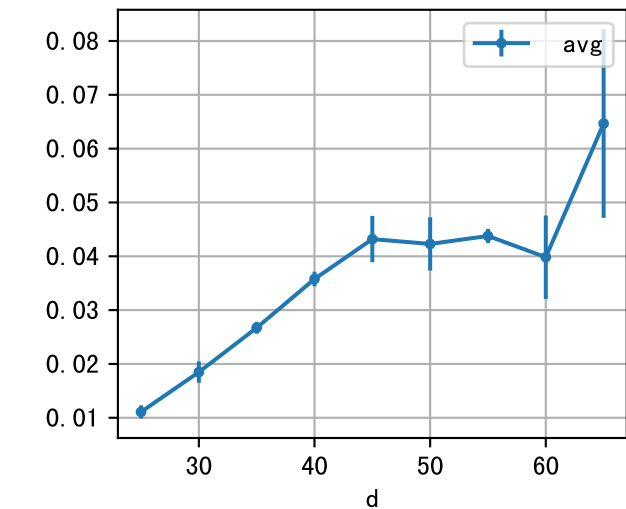
age=20



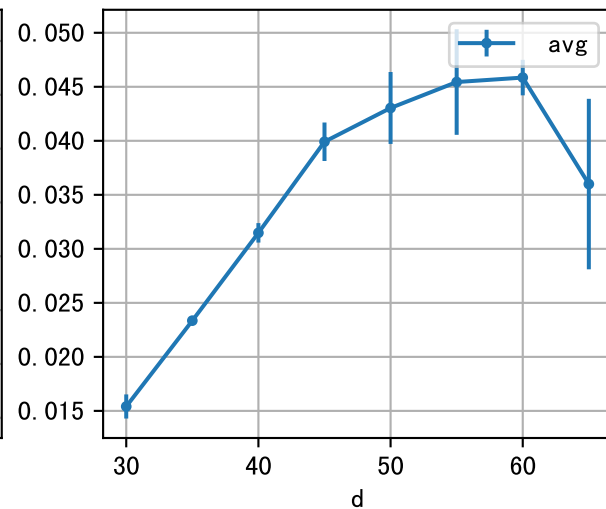
age=25



age=30

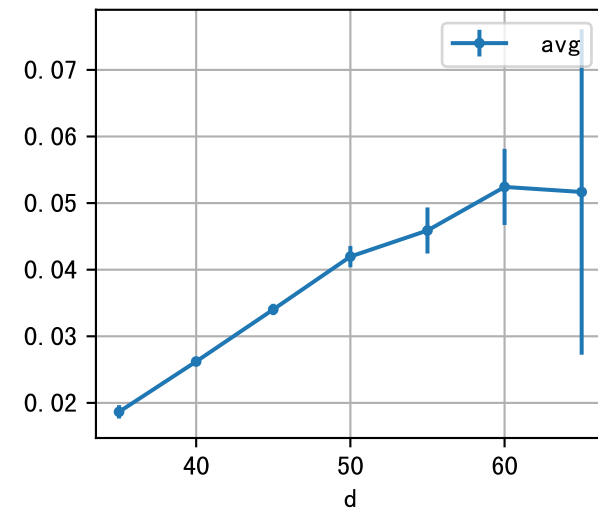


age=35



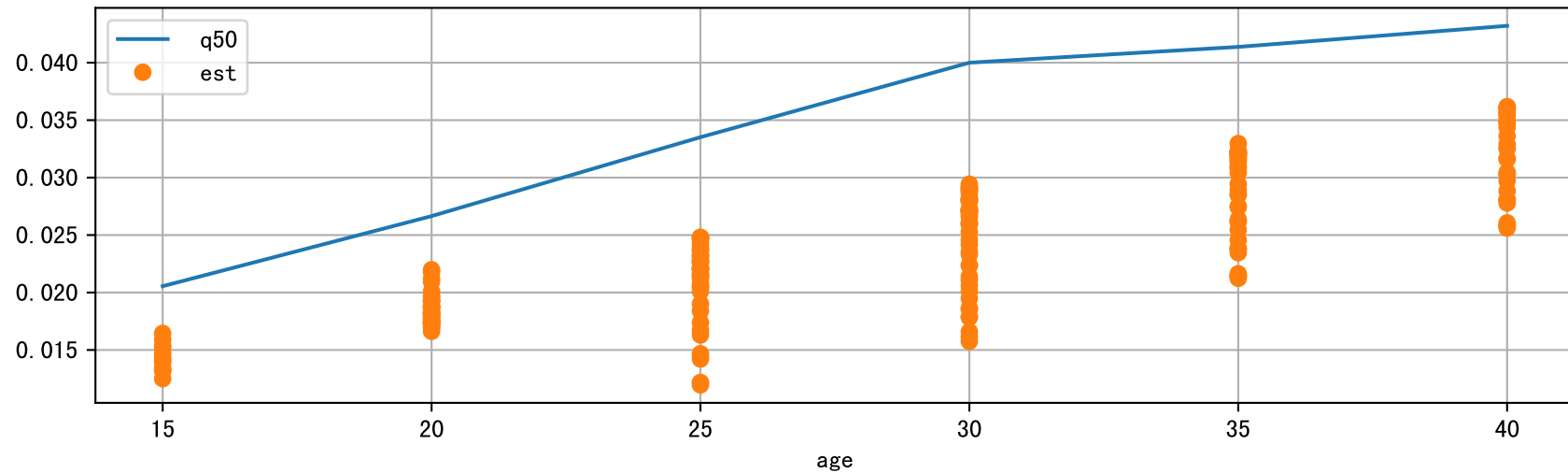
page 1

age=40



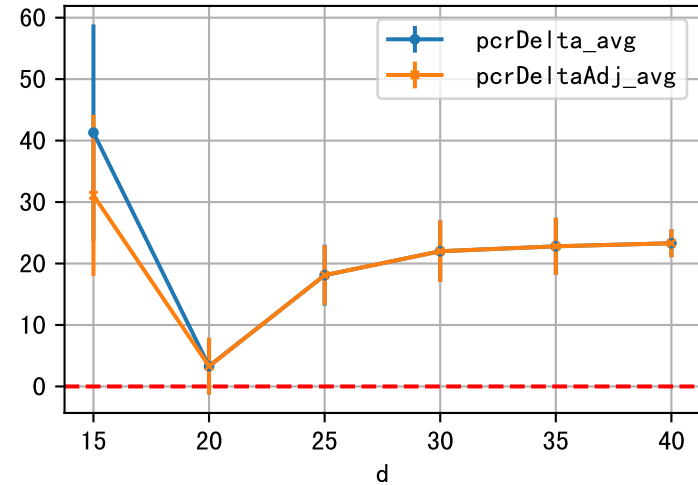
LfA: model est vs obs0v@Q50

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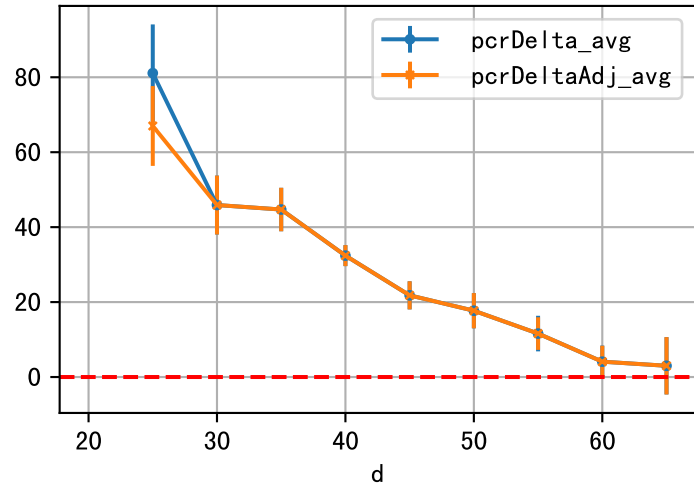


P9AW LfA: D_5d_LfA

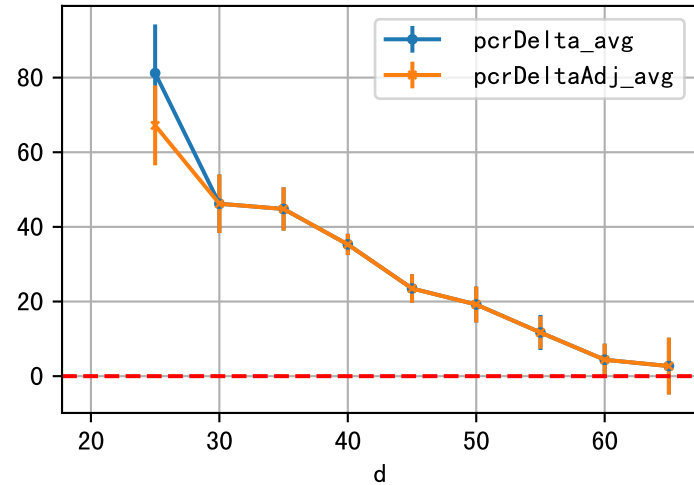
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

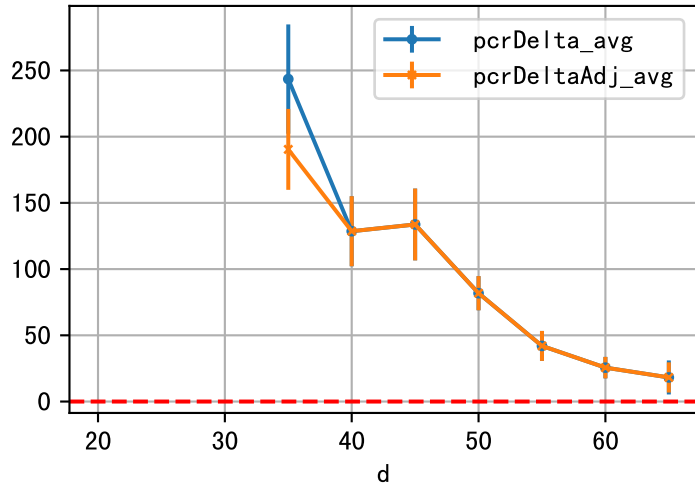
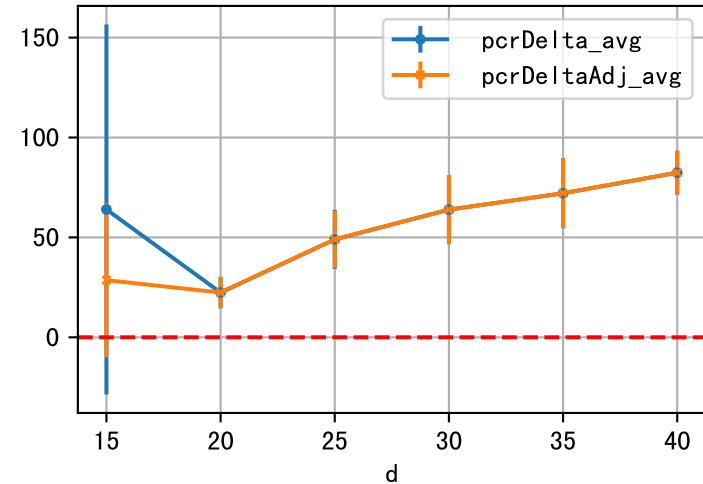


P9AW LfA: D_15d_LfA

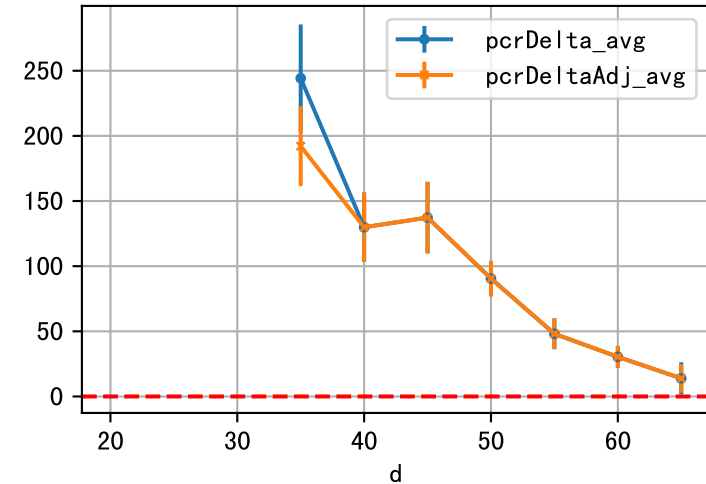
DeltaTypeAbbr=GrpByAge

DeltaTypeAbbr=GrpByDay

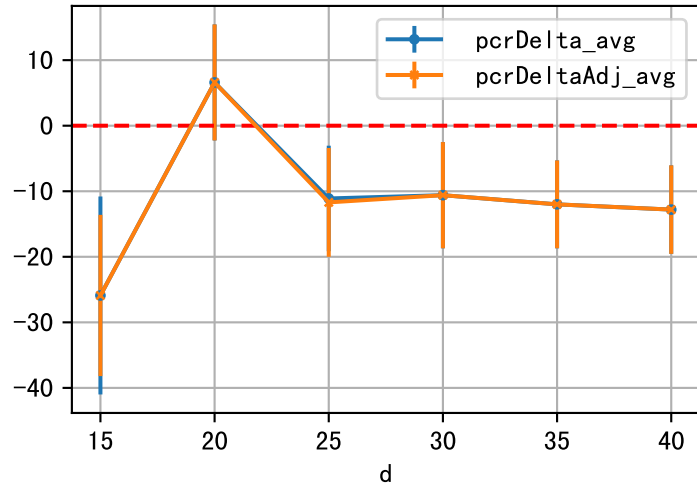
DeltaTypeAbbr=Wei AvgByD



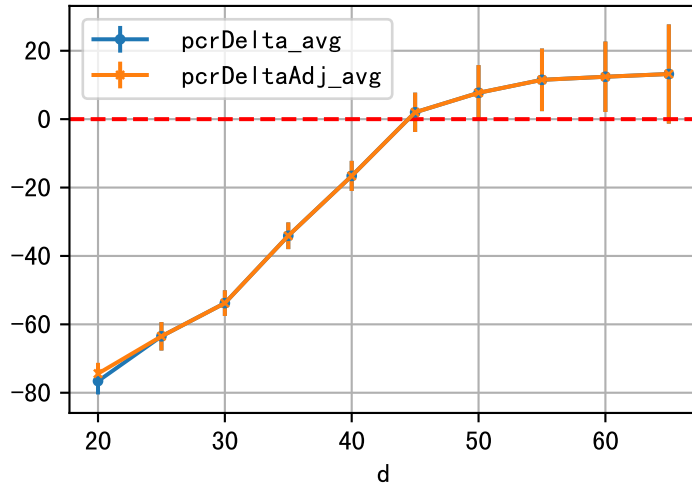
page 4



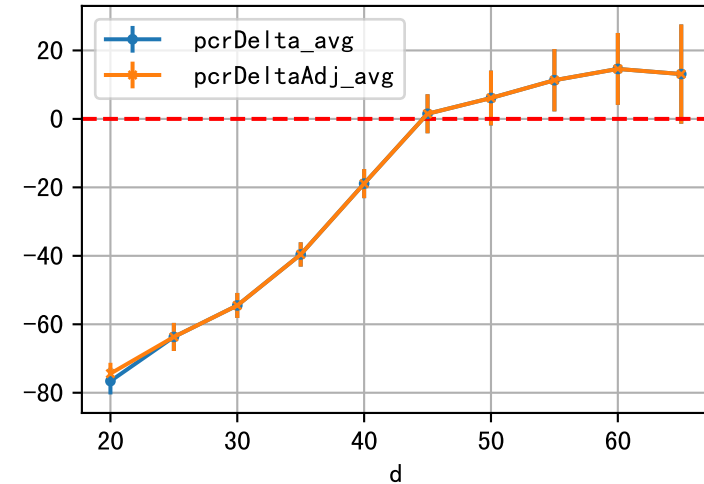
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=Wei AvgByD

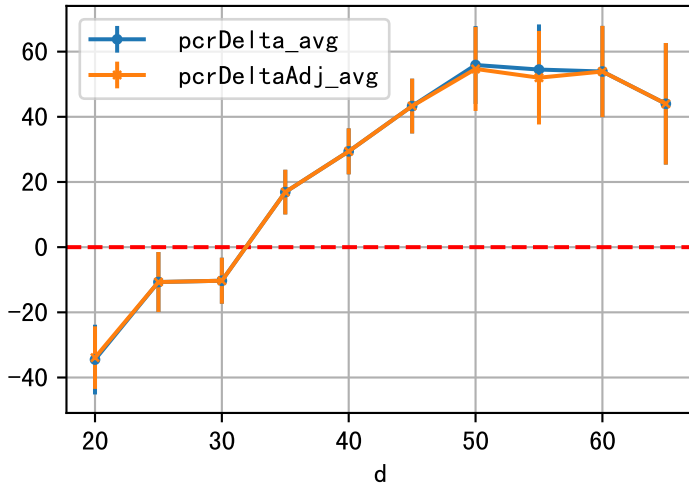
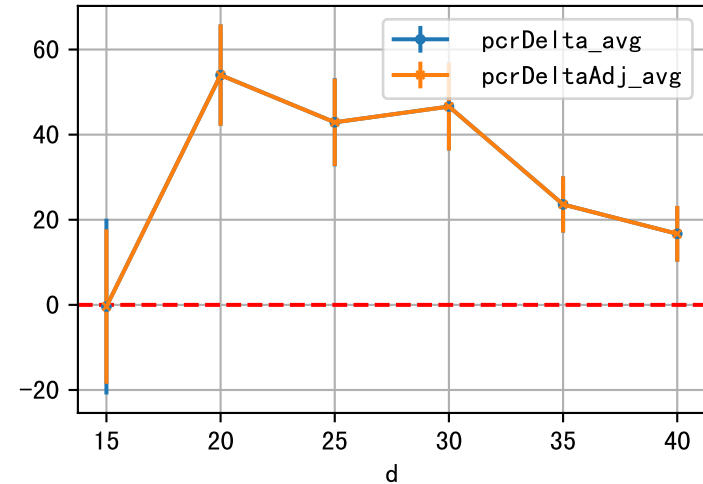


P9AW LfA: D_Est_LfA

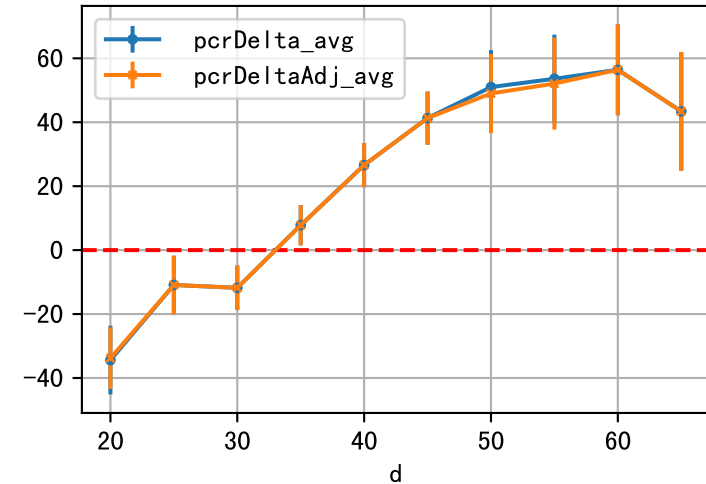
DeltaTypeAbbr=GrpByAge

DeltaTypeAbbr=GrpByDay

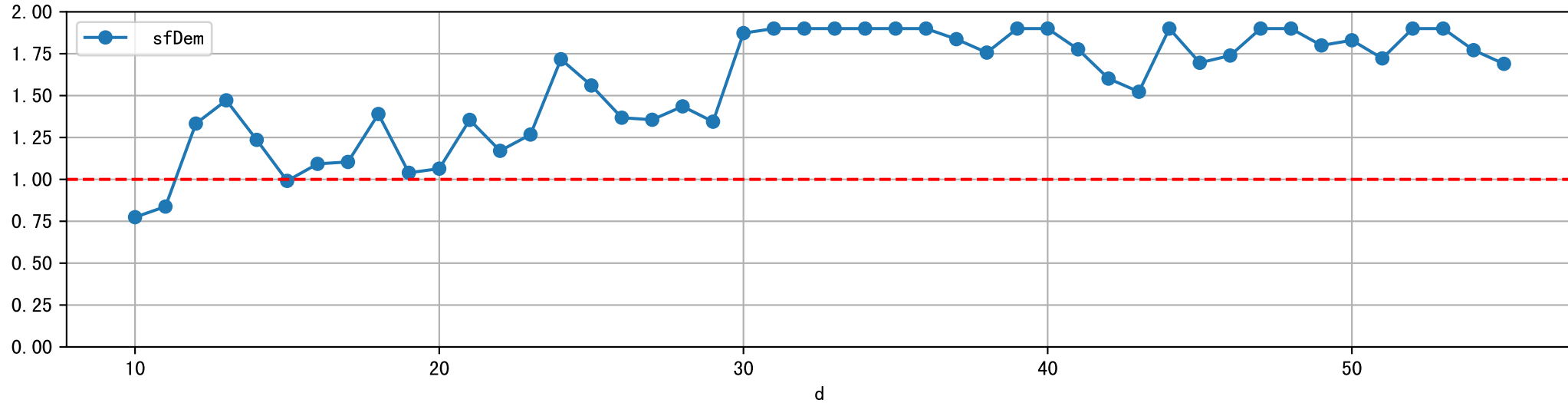
DeltaTypeAbbr=Wei AvgByD

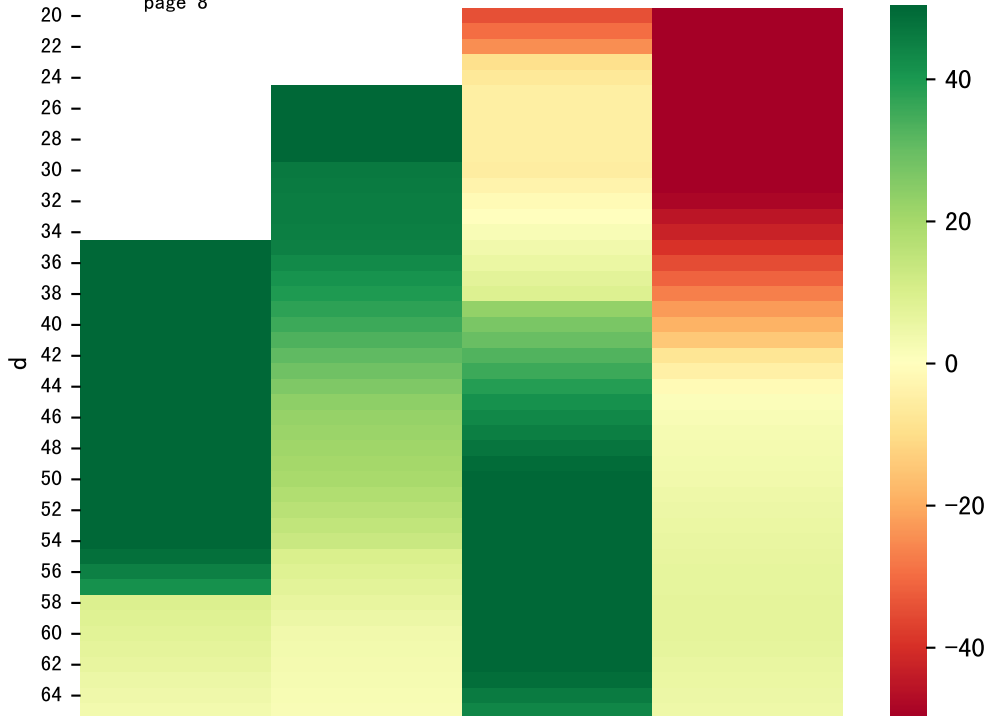


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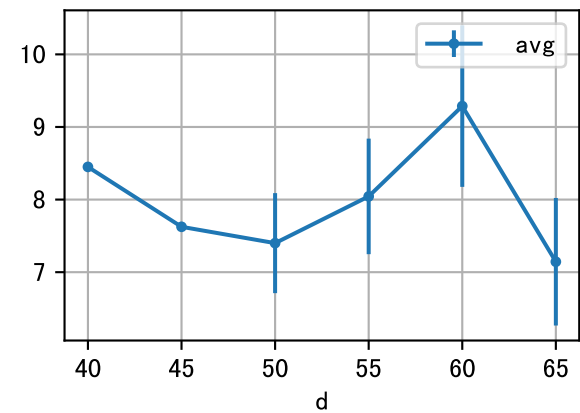
LfA: sfDem



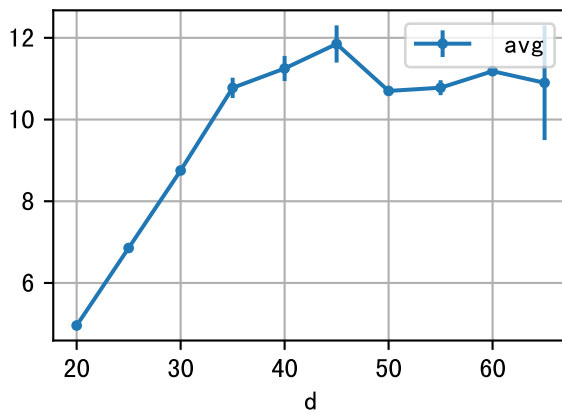


NdD: avg vs. d at each age group

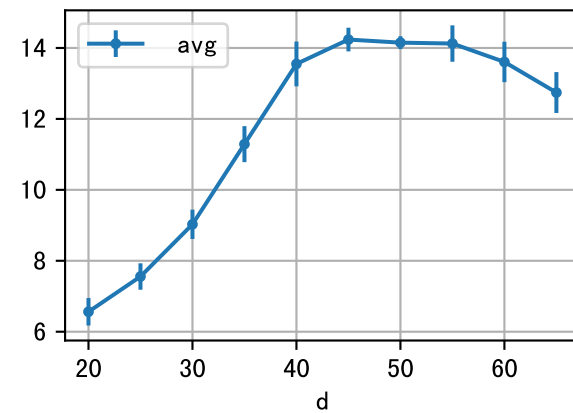
age=15



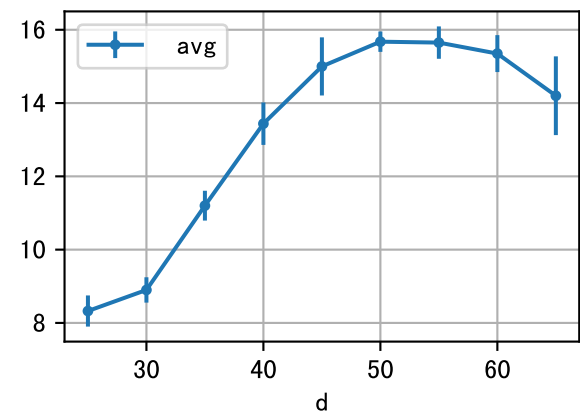
age=20



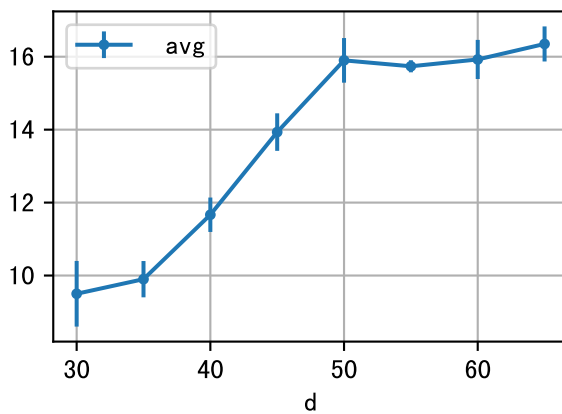
age=25



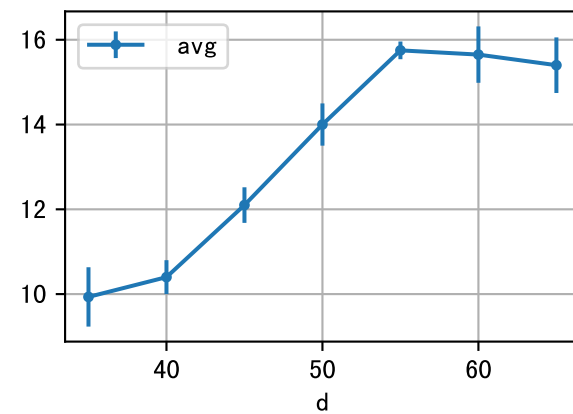
age=30



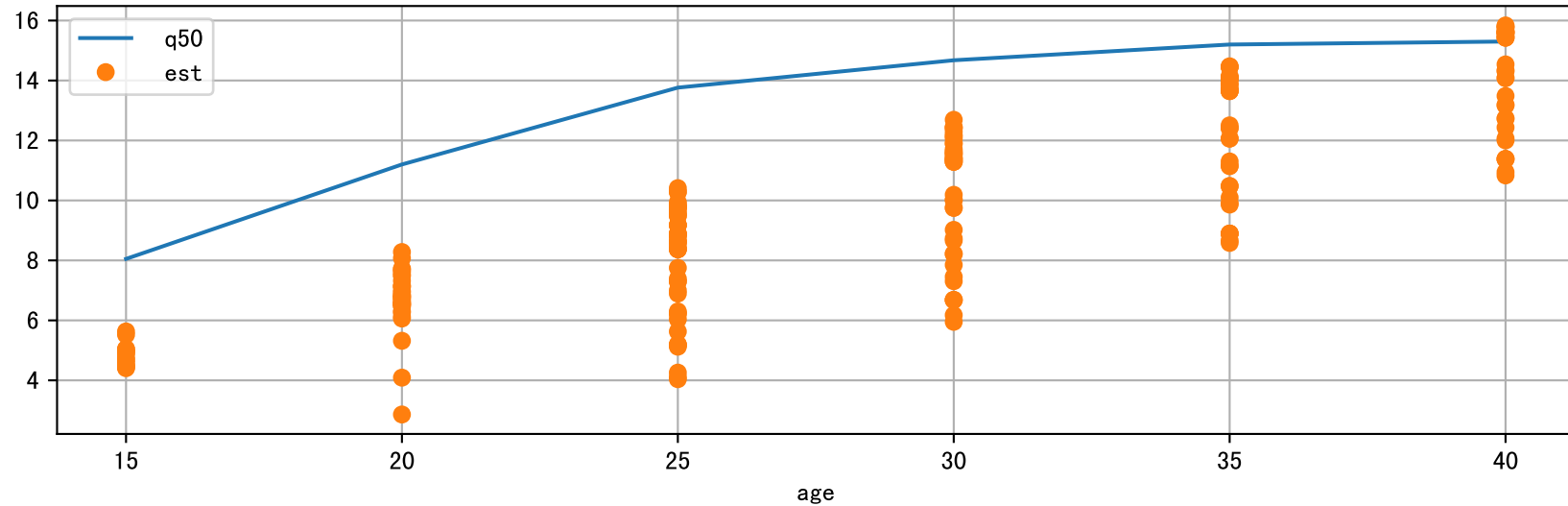
age=35



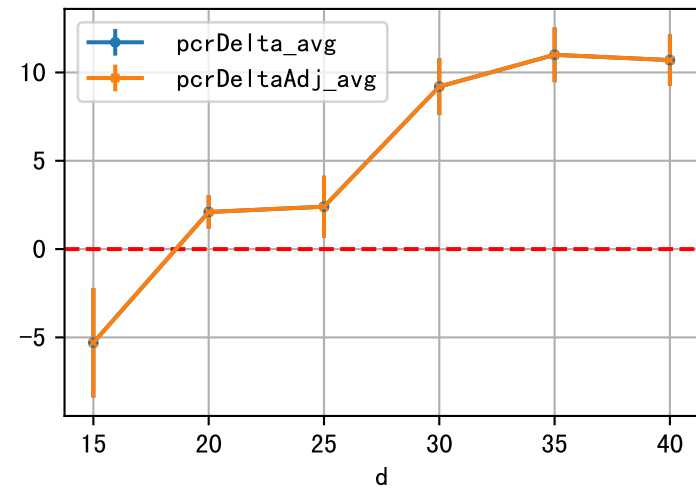
age=40



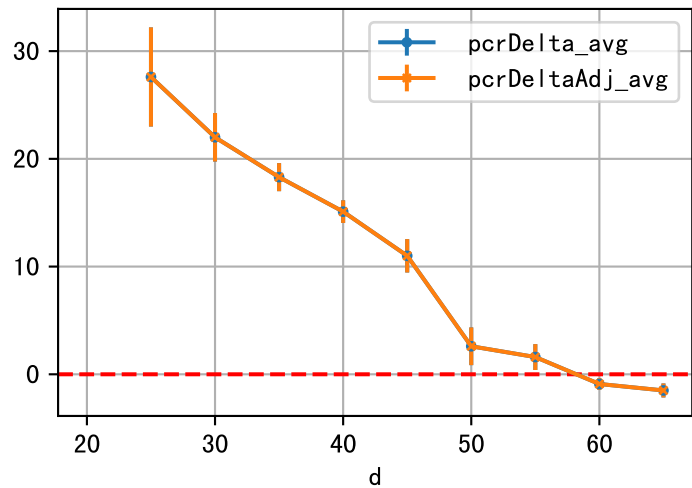
NdD: model est vs obs0v@Q50



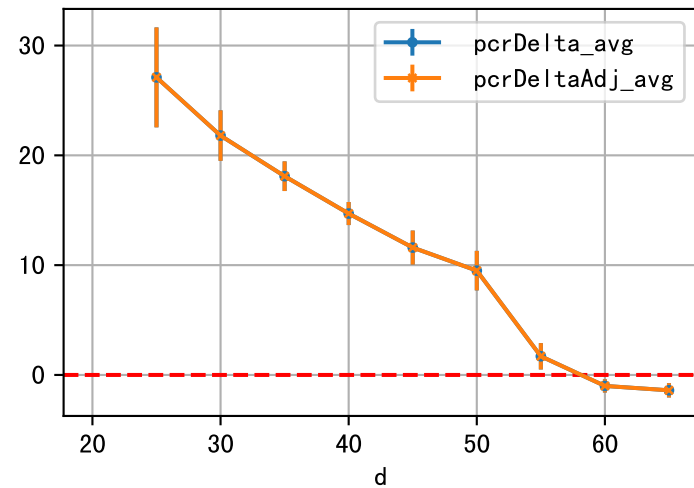
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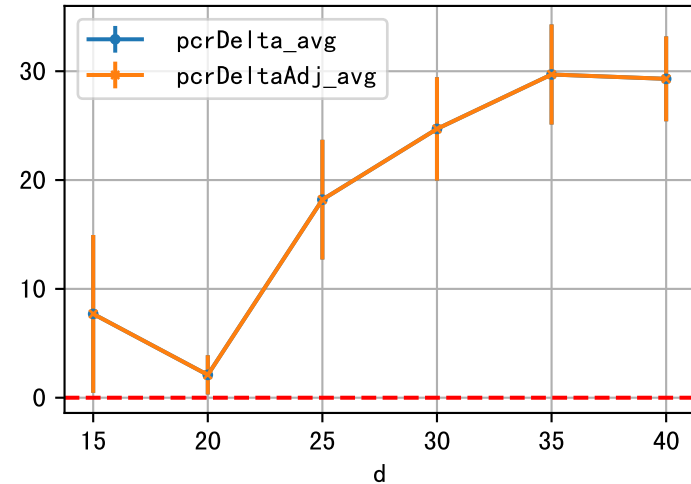
DeltaTypeAbbr=GrpByDay



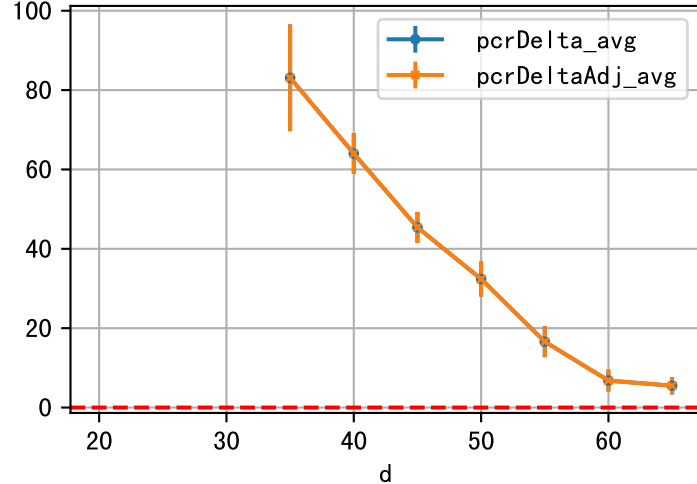
DeltaTypeAbbr=Wei AvgByD



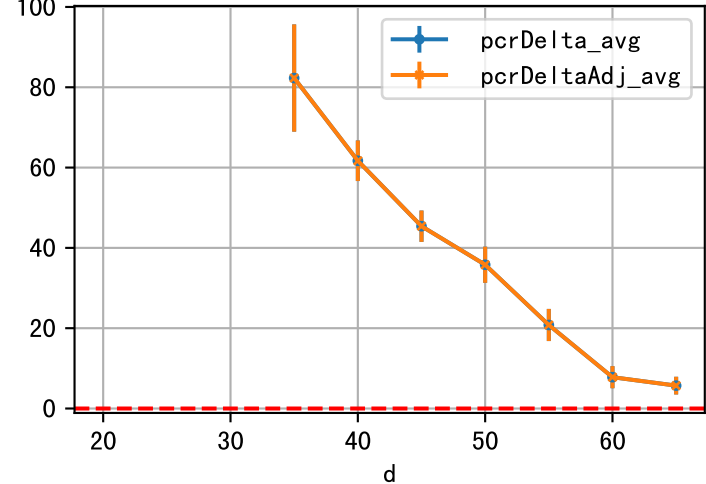
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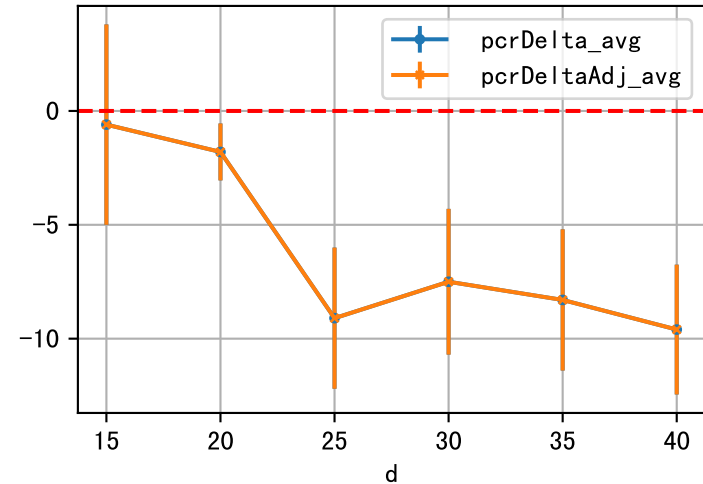
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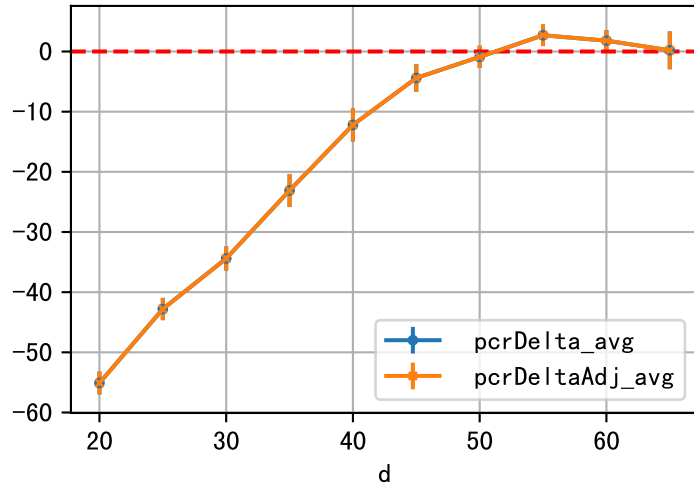
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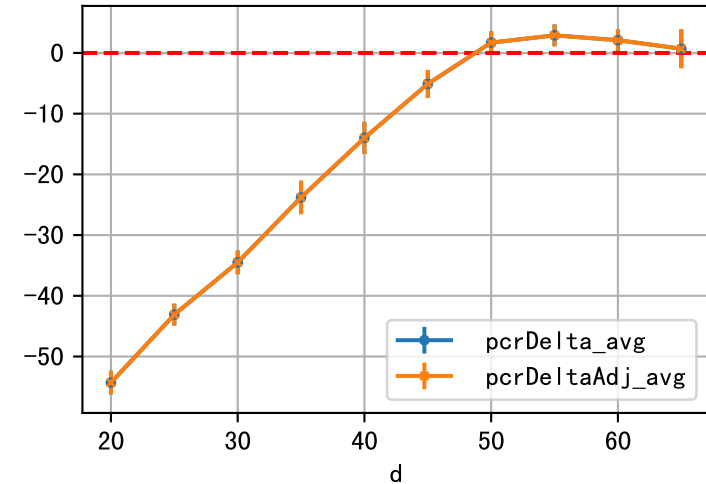
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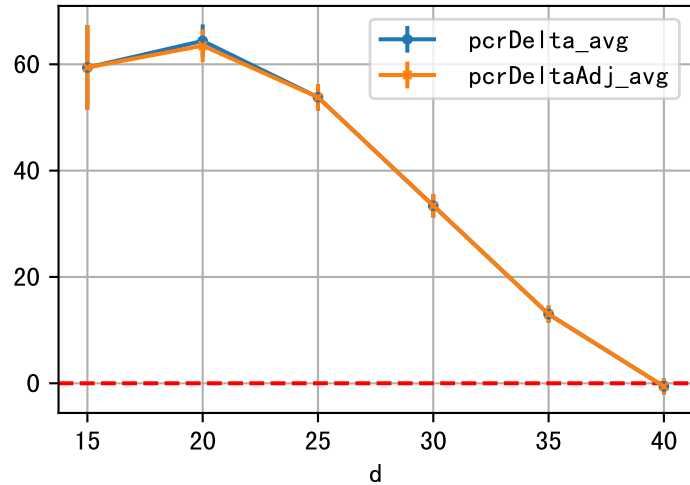
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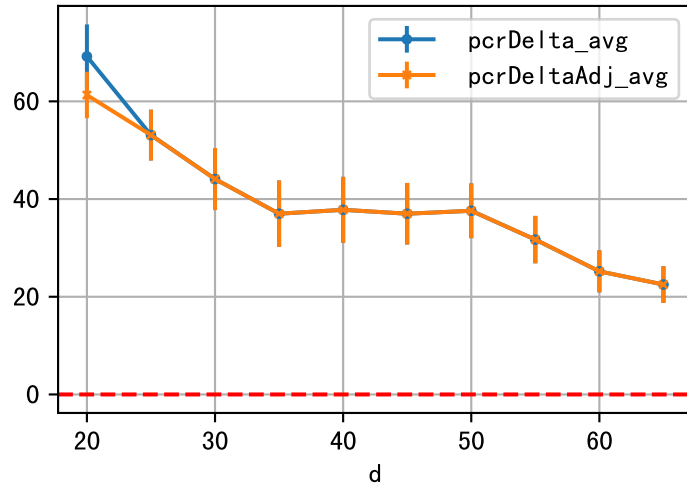
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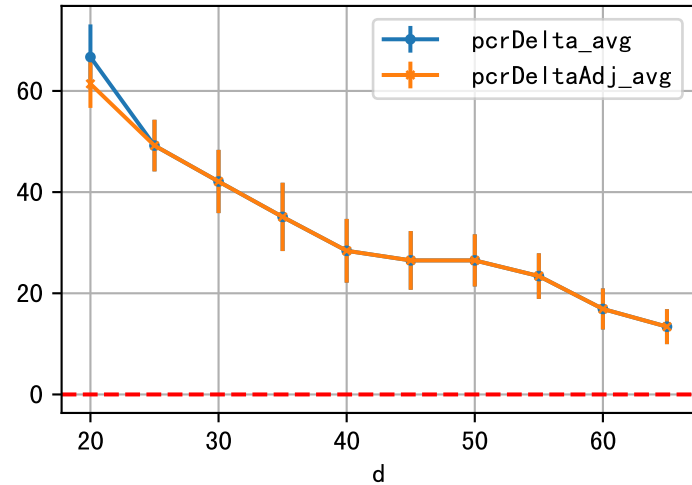
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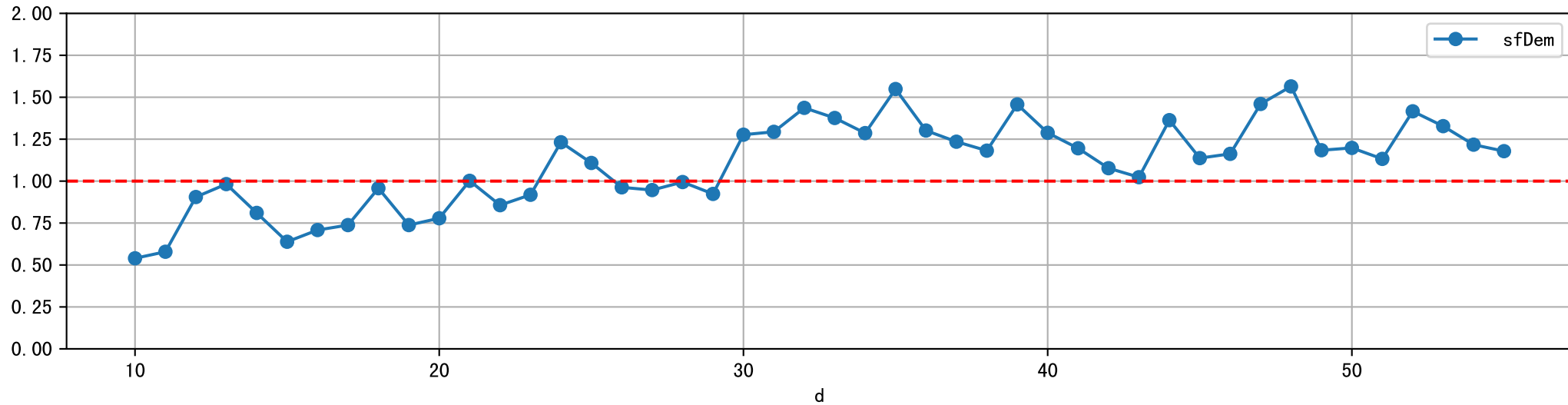
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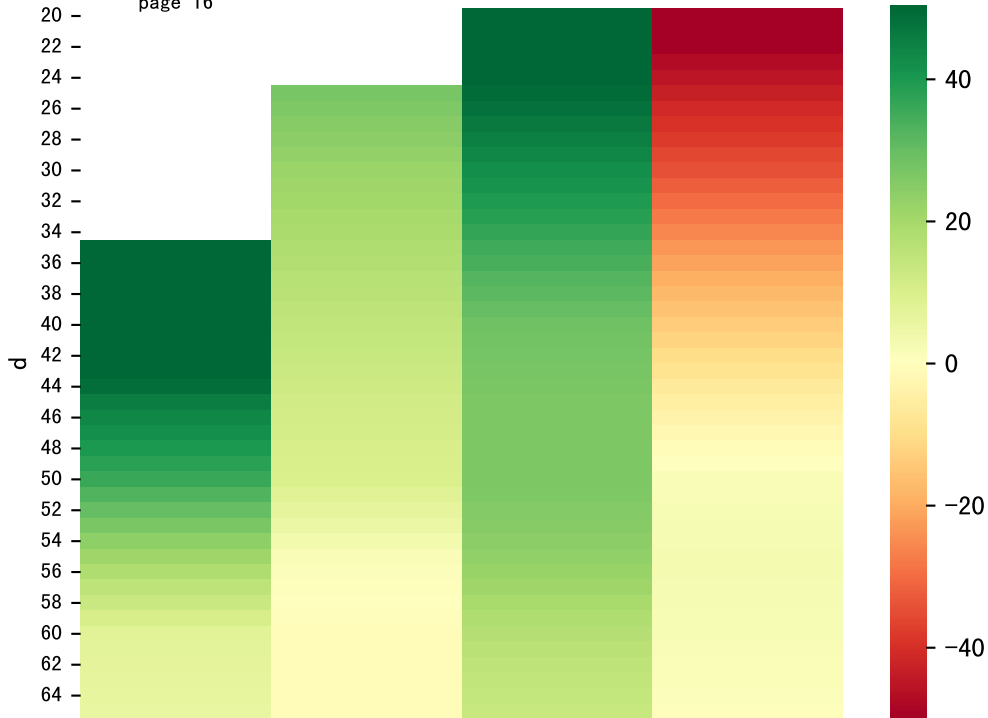


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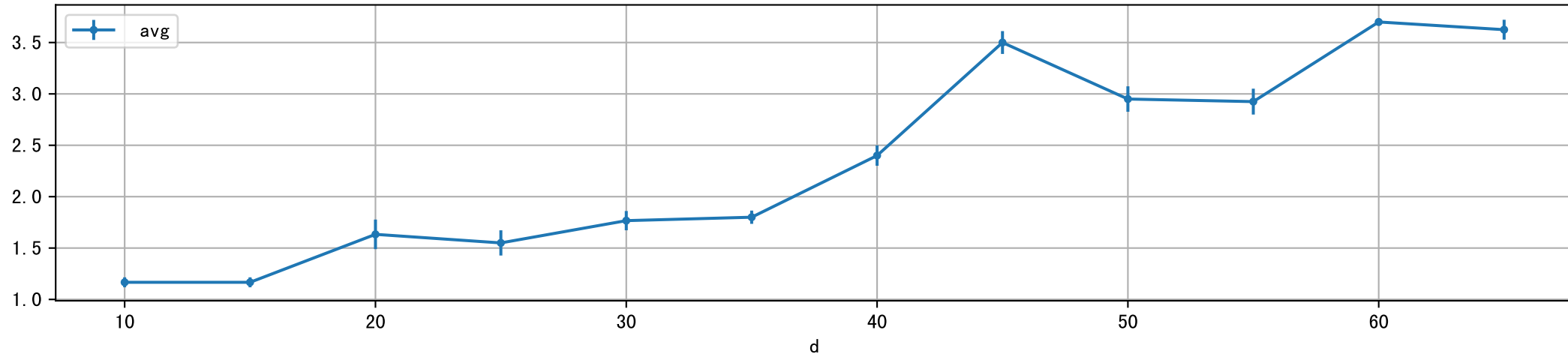


NdD: sfDem

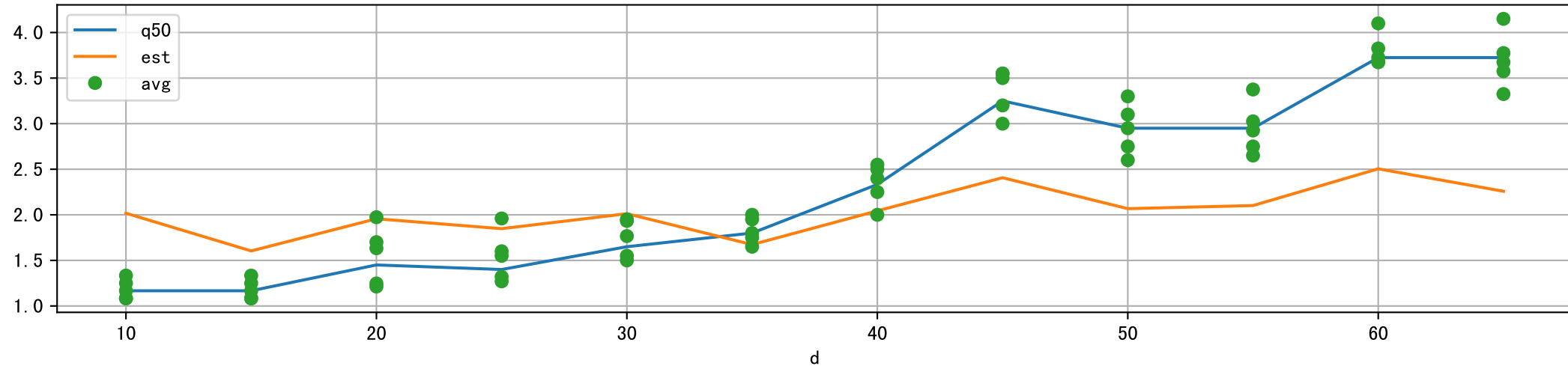




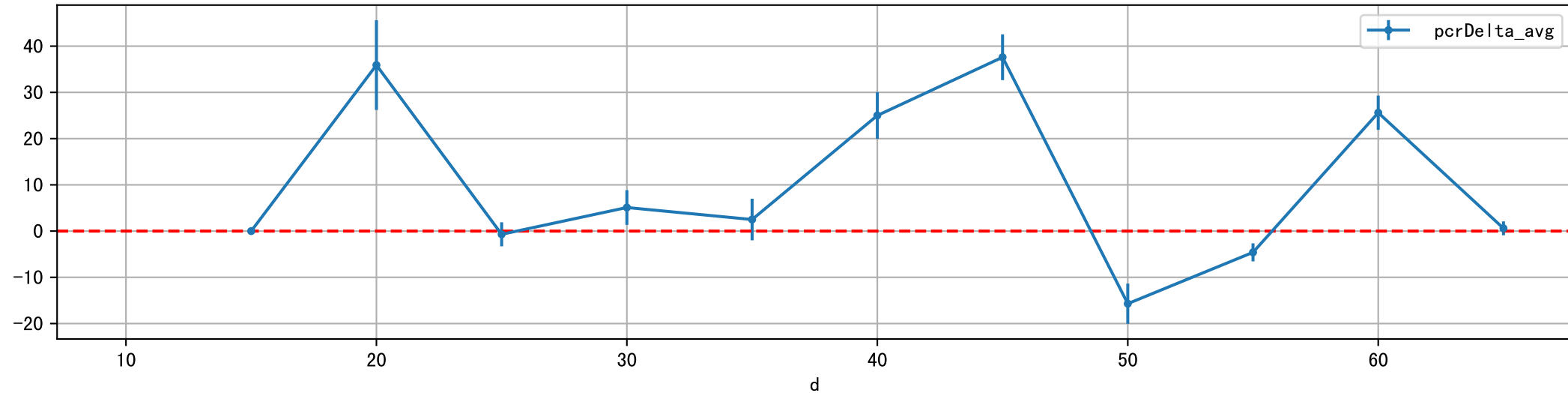
dStH: avg vs. d



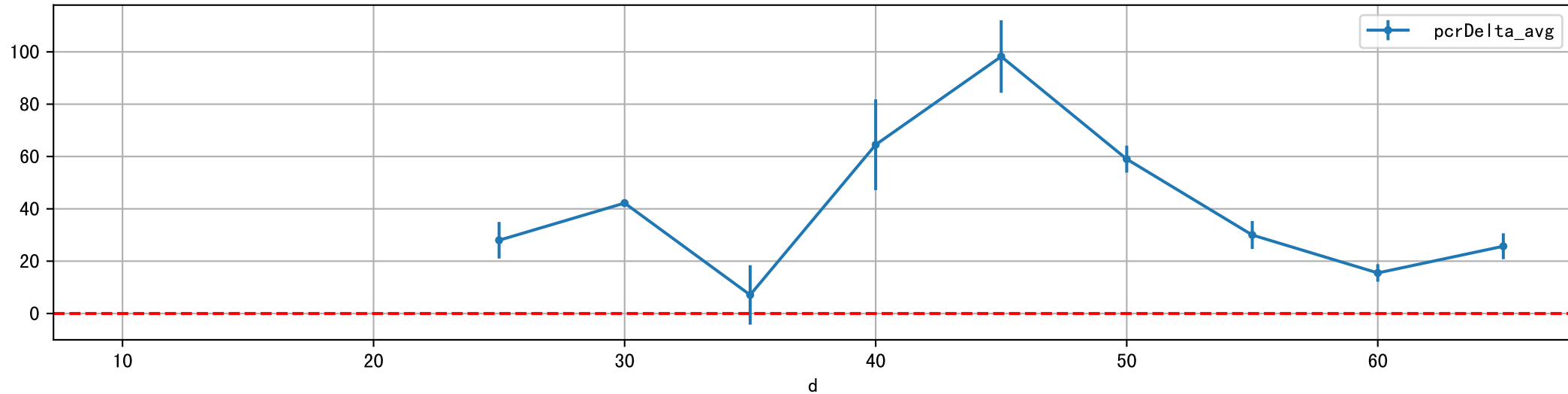
dStH: obsAvg vs obs0v@Q50



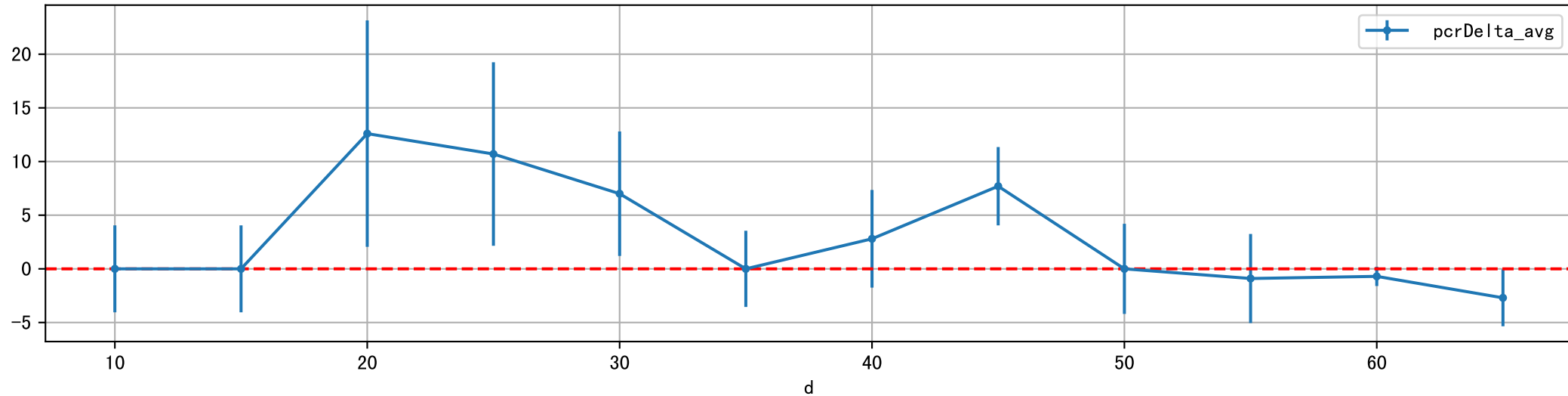
dStH: D_5d_StH



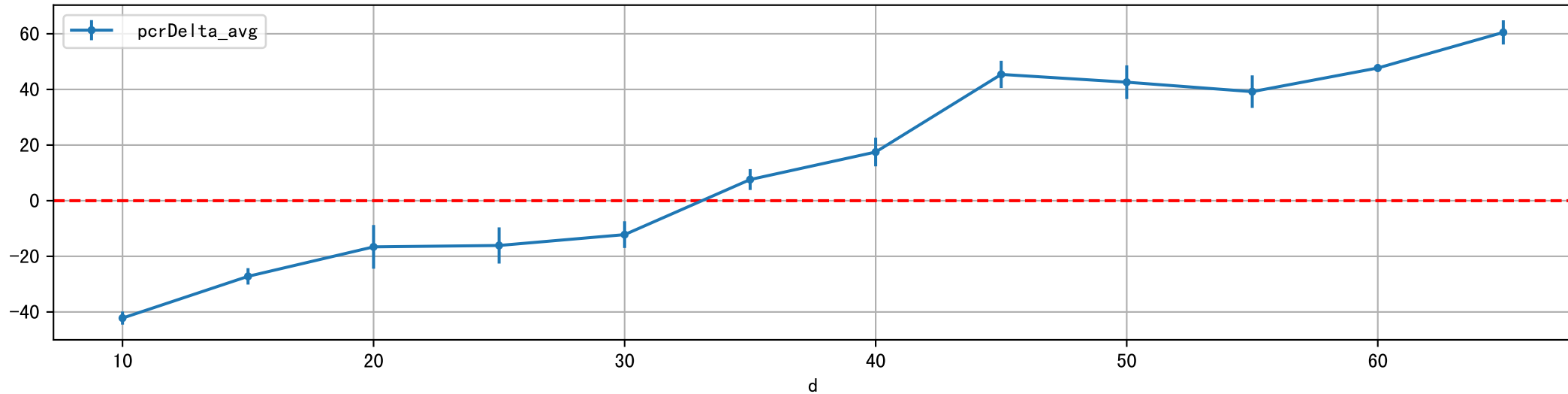
dStH: D_15d_StH



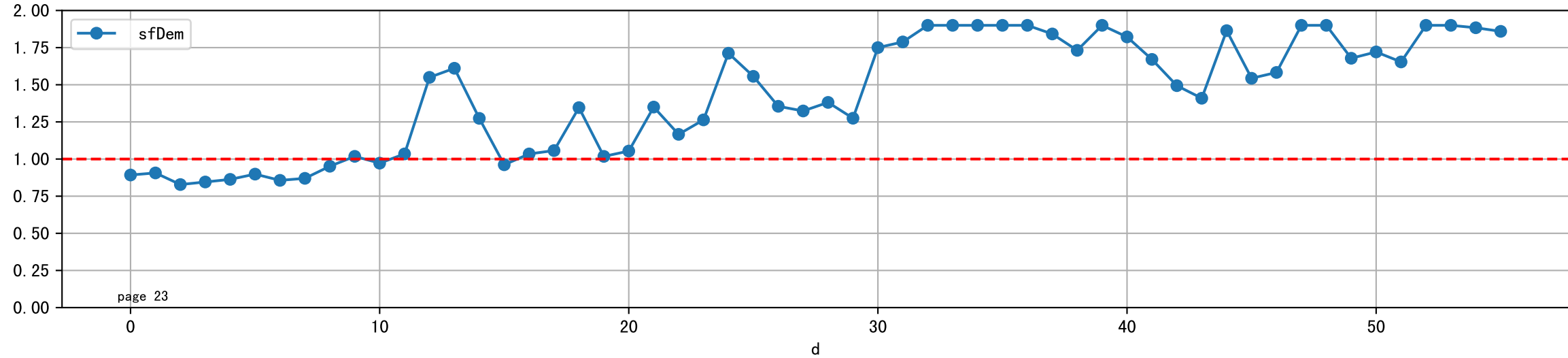
dStH: D_Q50_StH

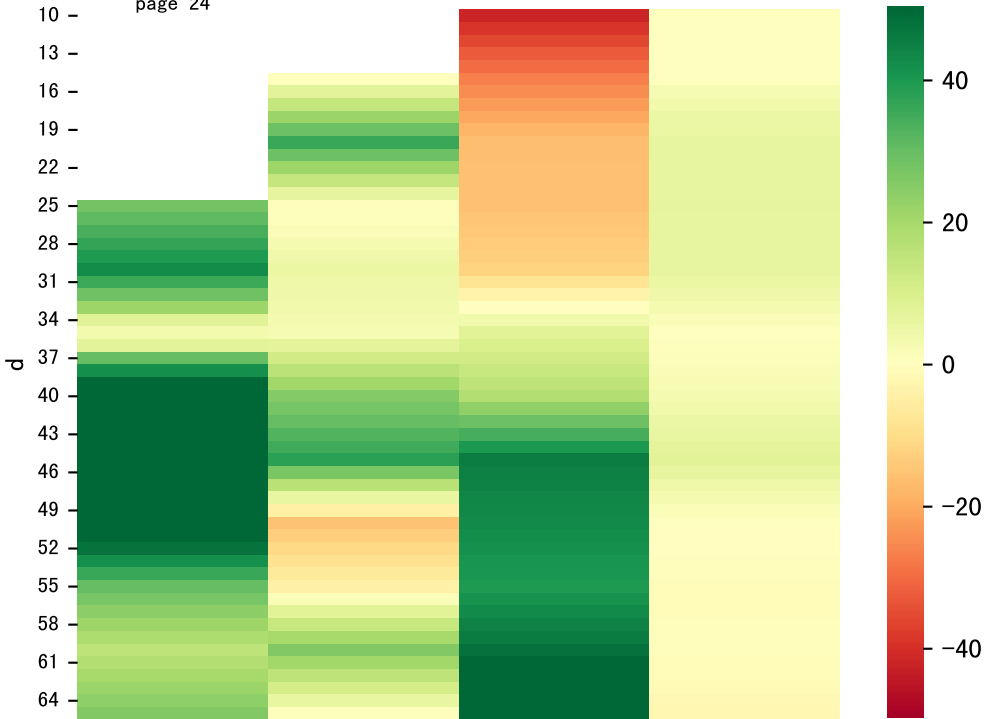


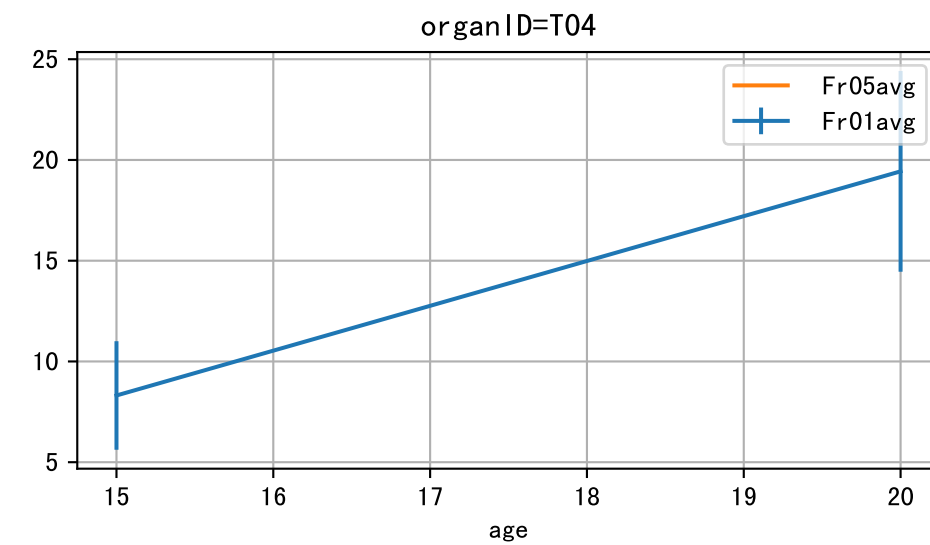
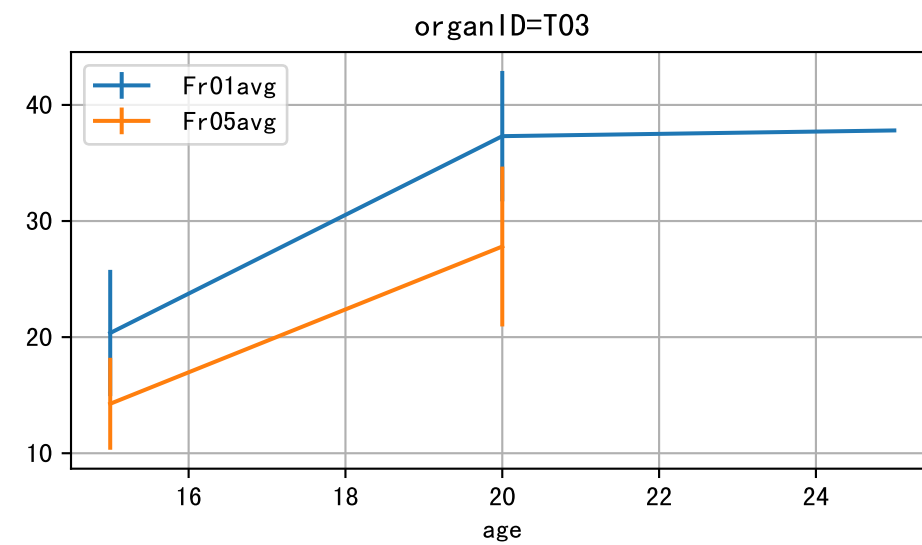
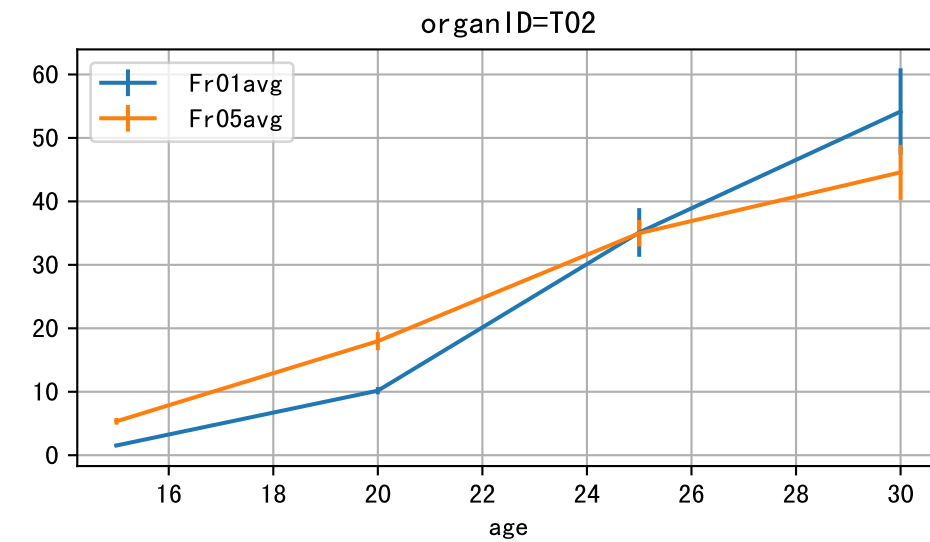
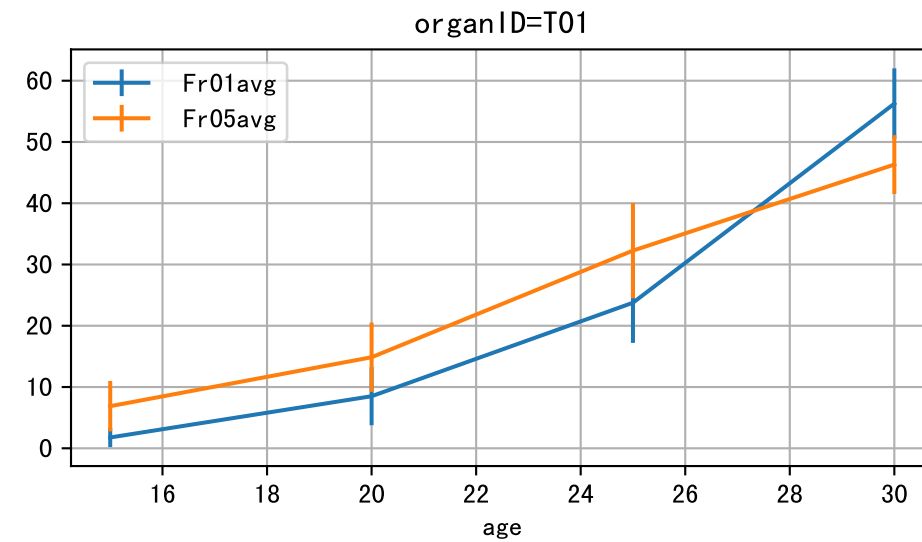
dStH: D_Est_StH



dStH: sfDem

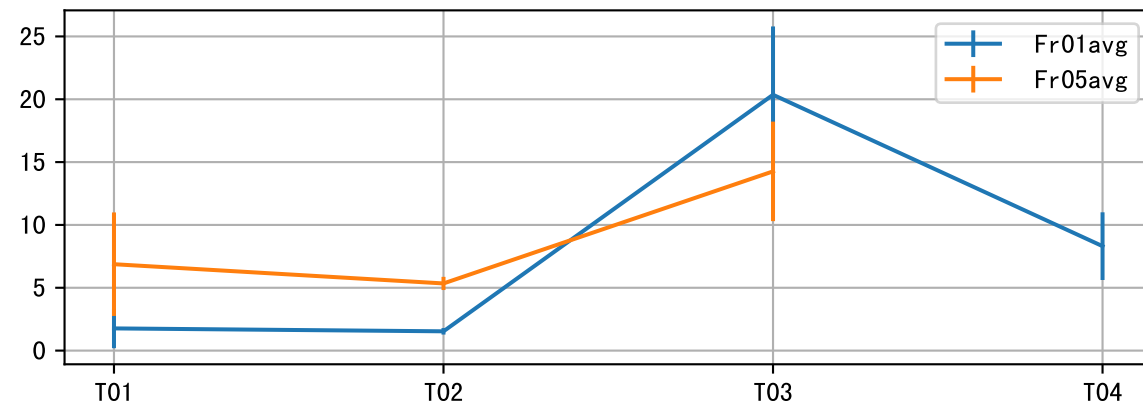




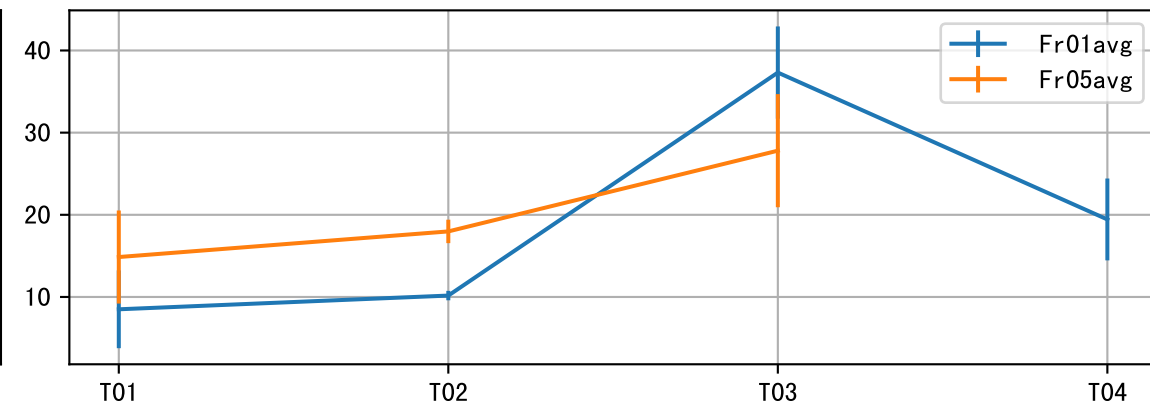


FrV trend at each age

age=15

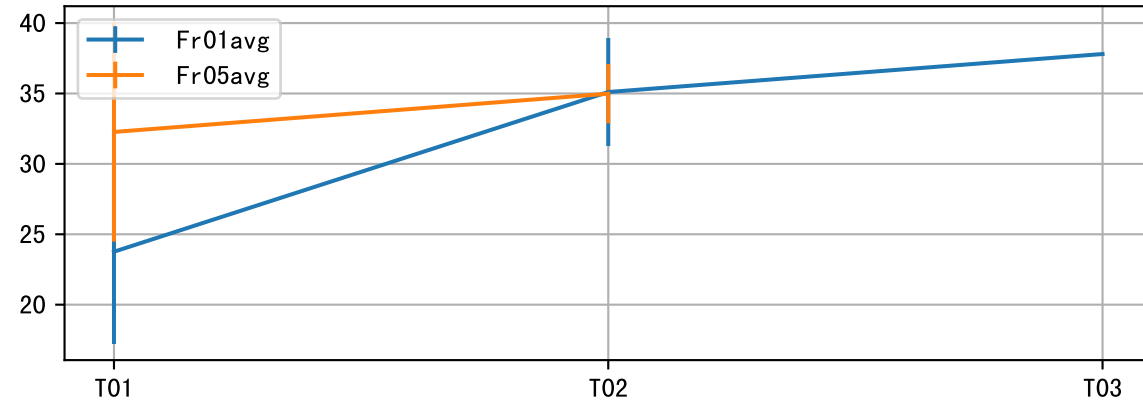


age=20



organID

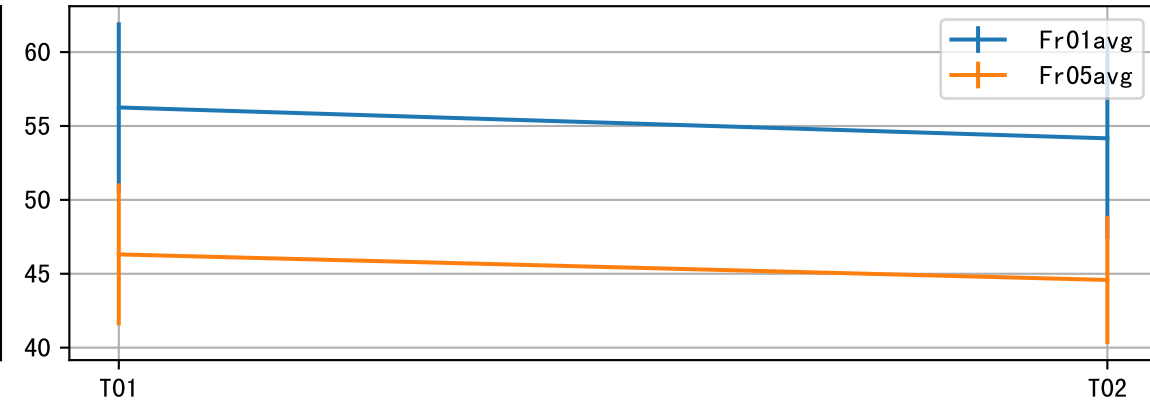
age=25



organID

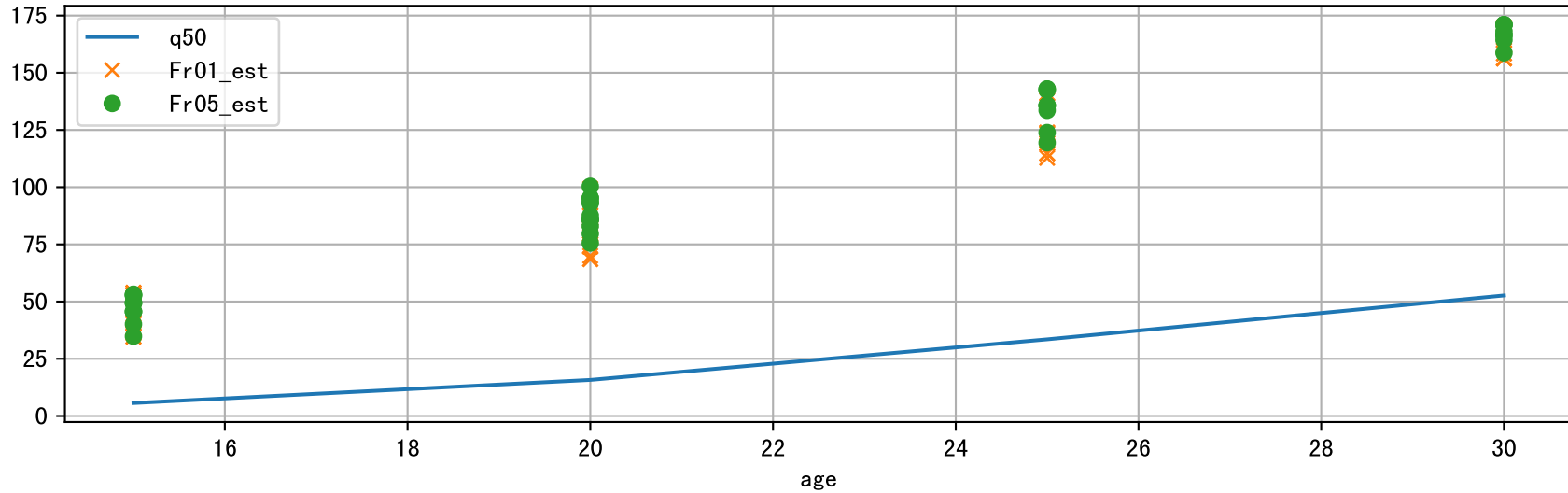
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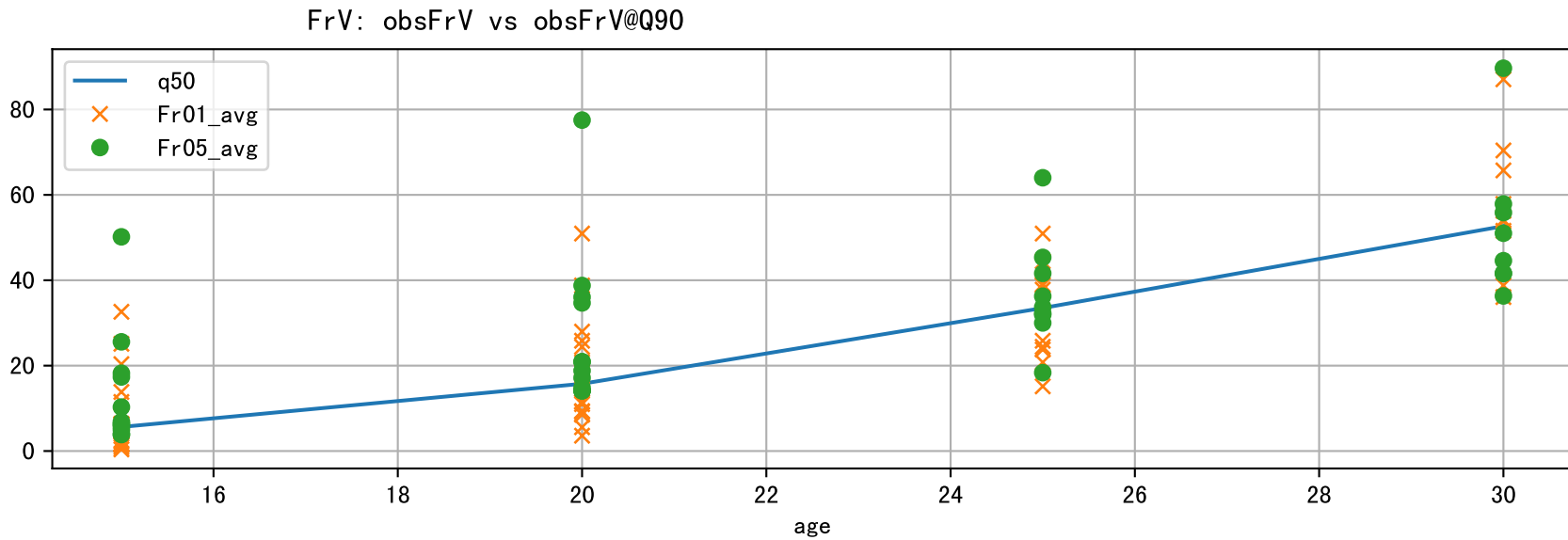
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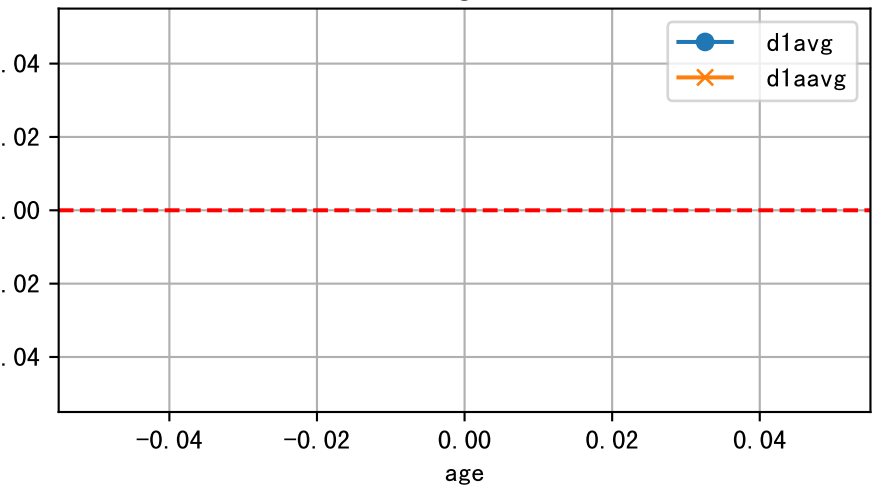
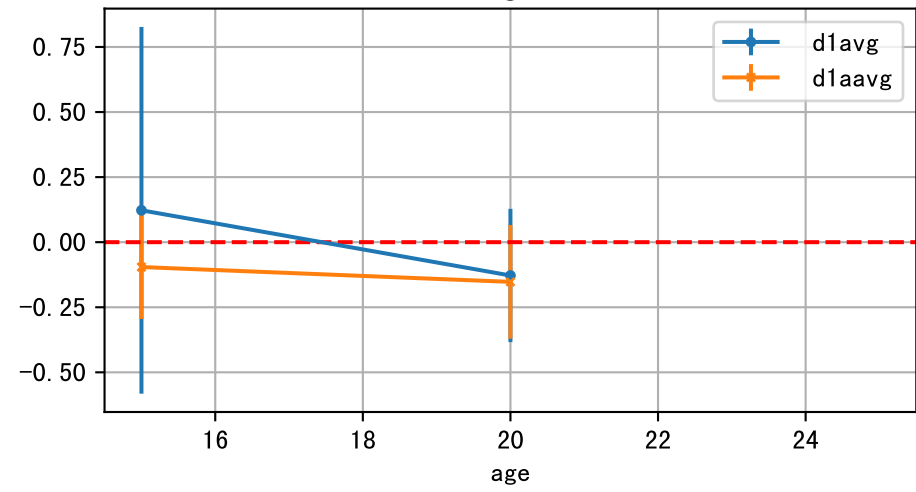
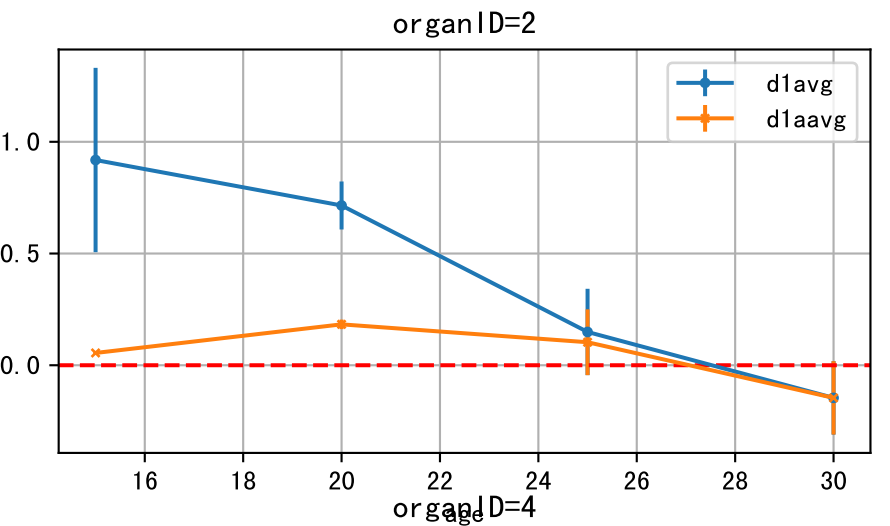
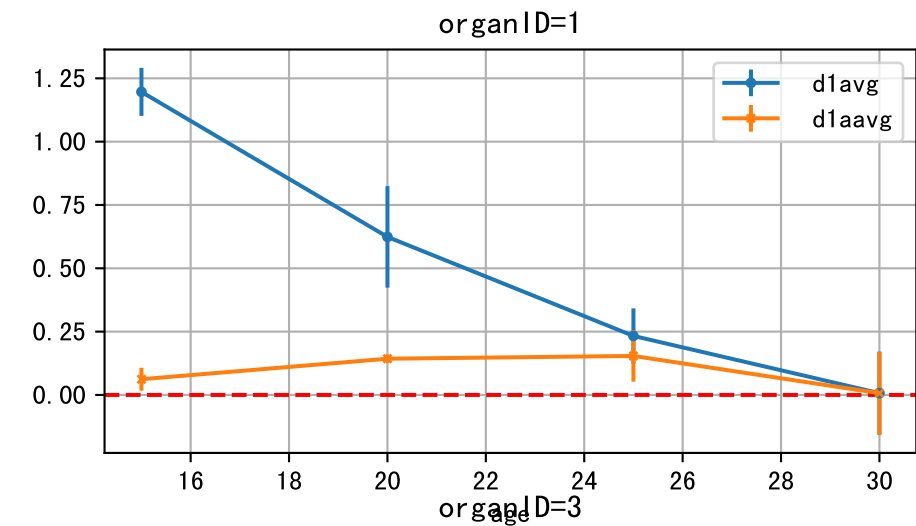


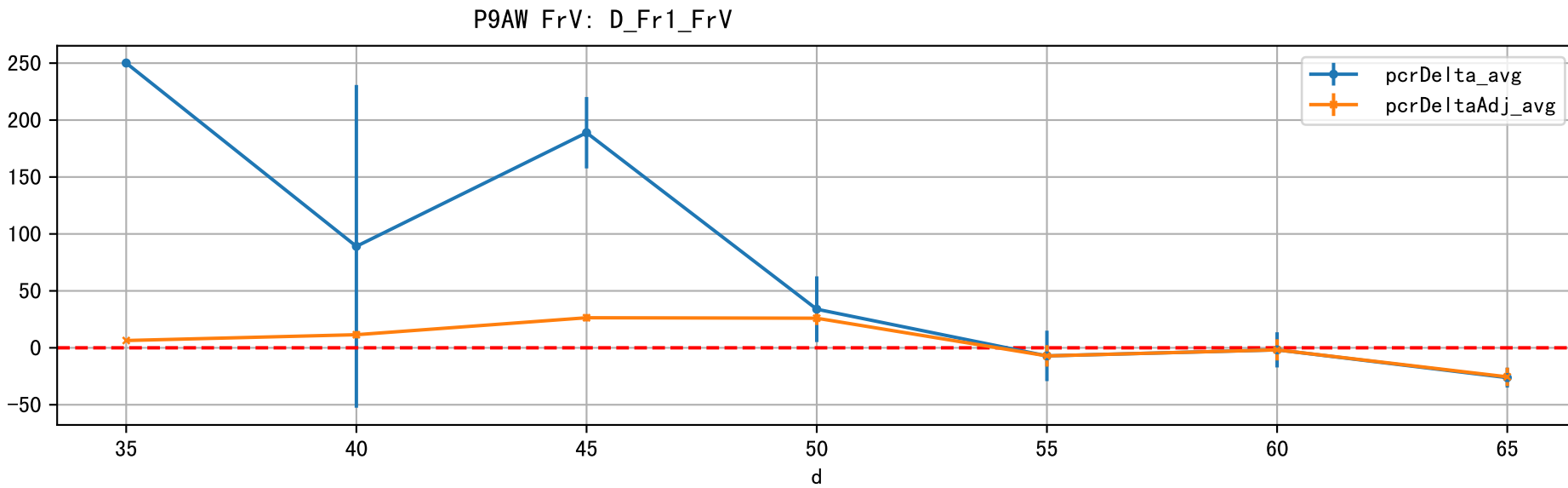
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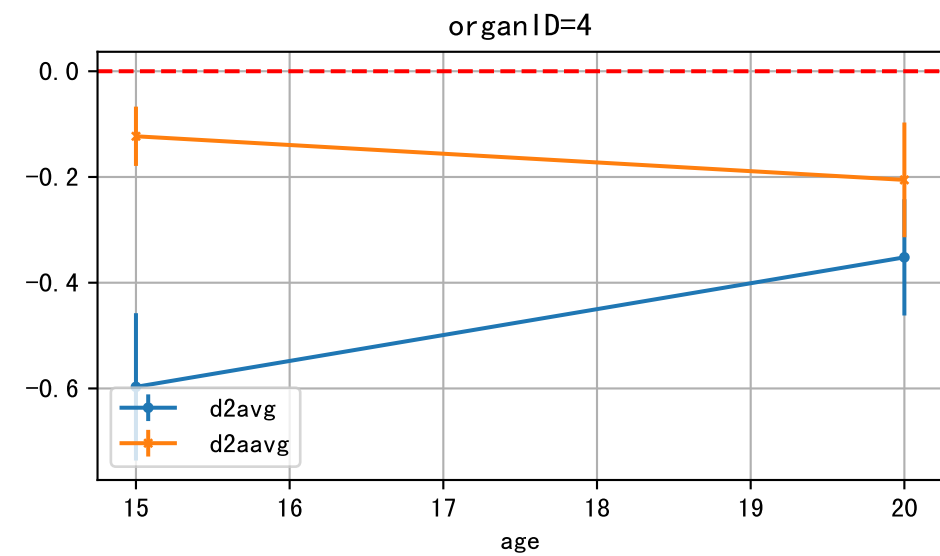
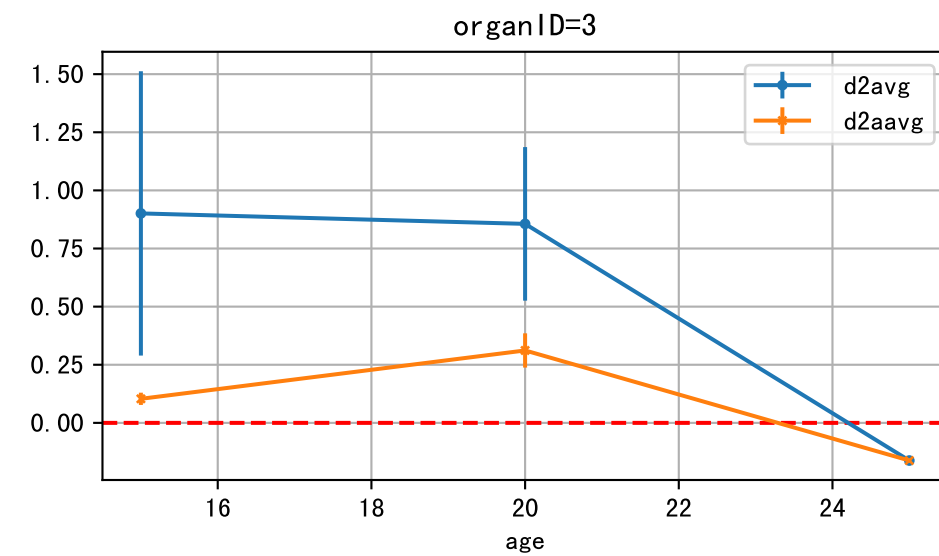
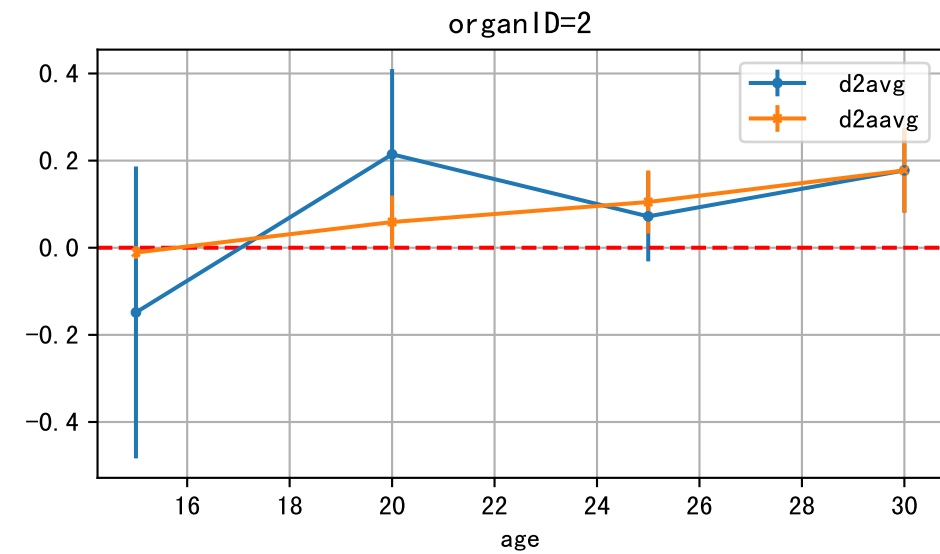
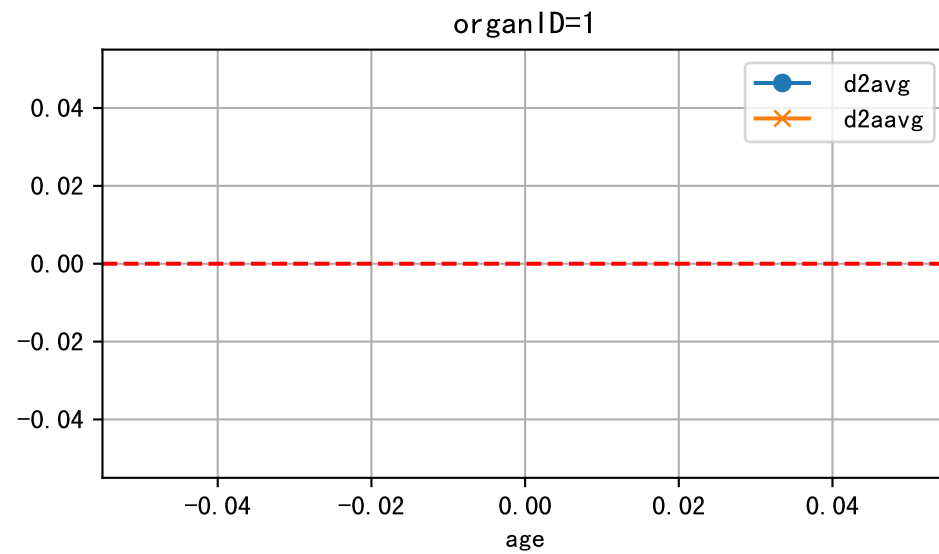
FrV: model Est vs obsFrV at Q90



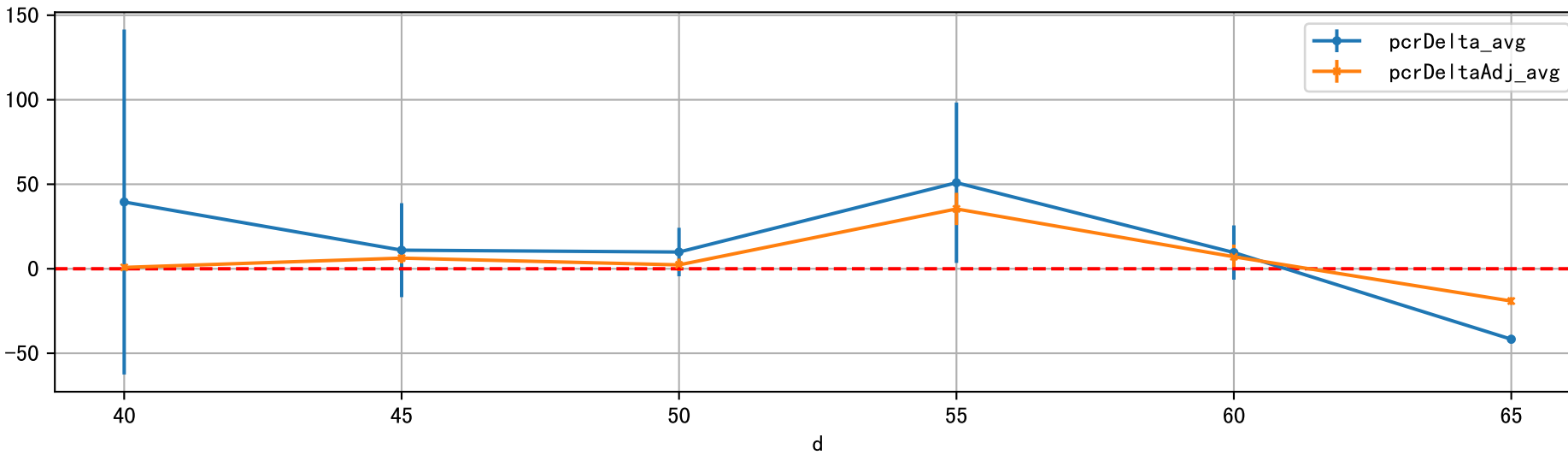


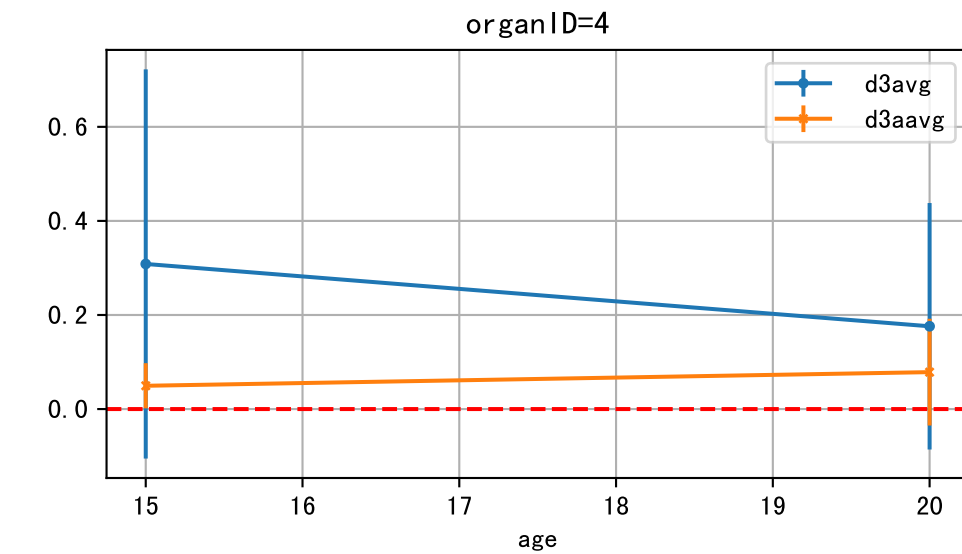
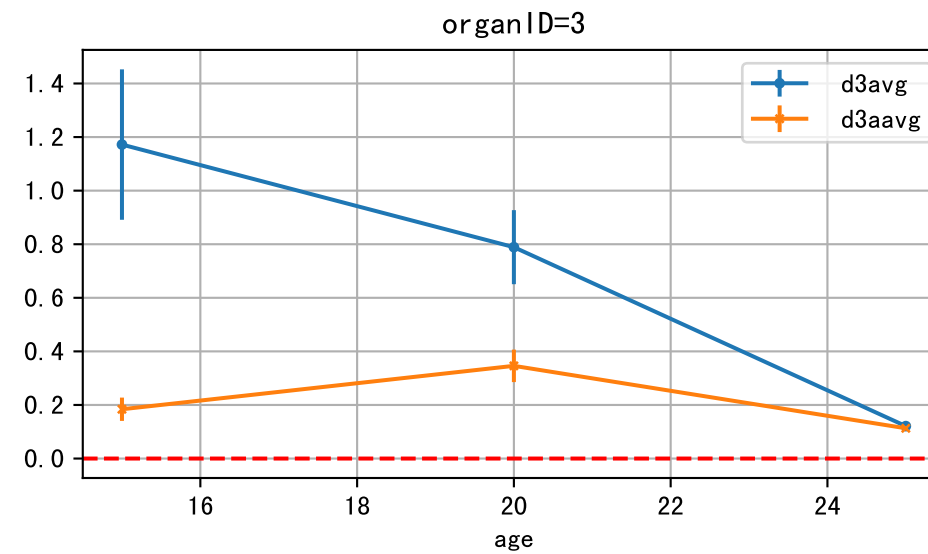
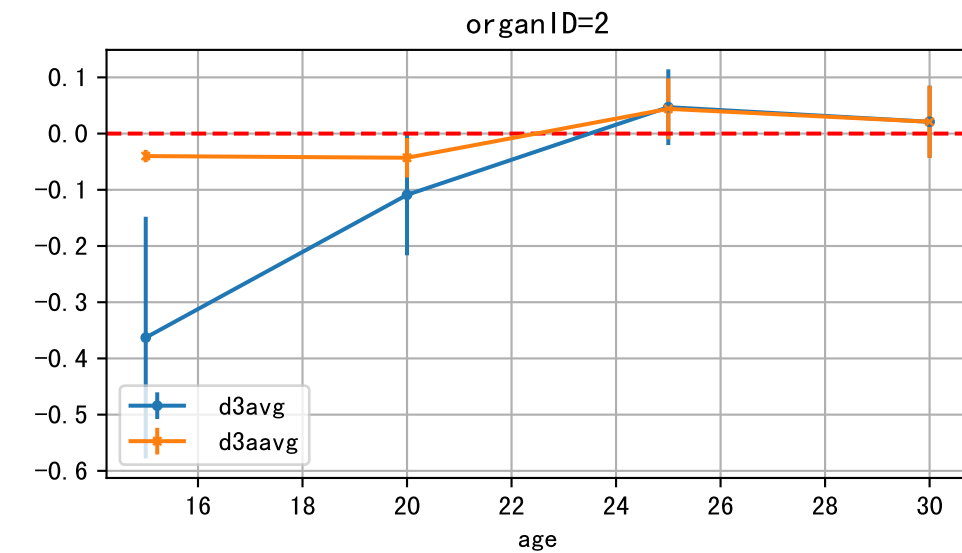
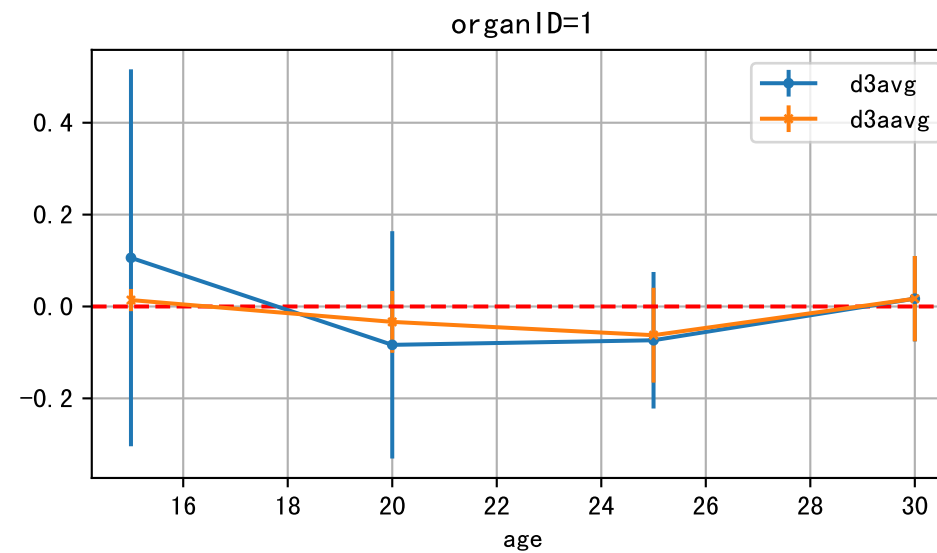


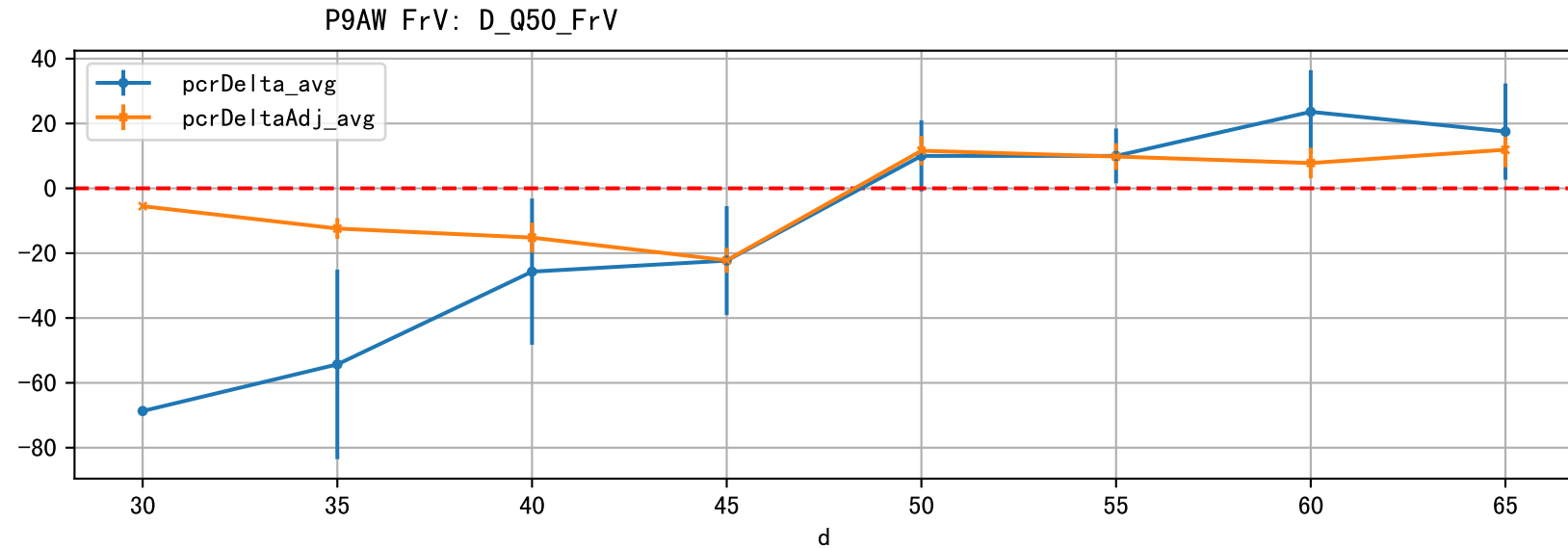


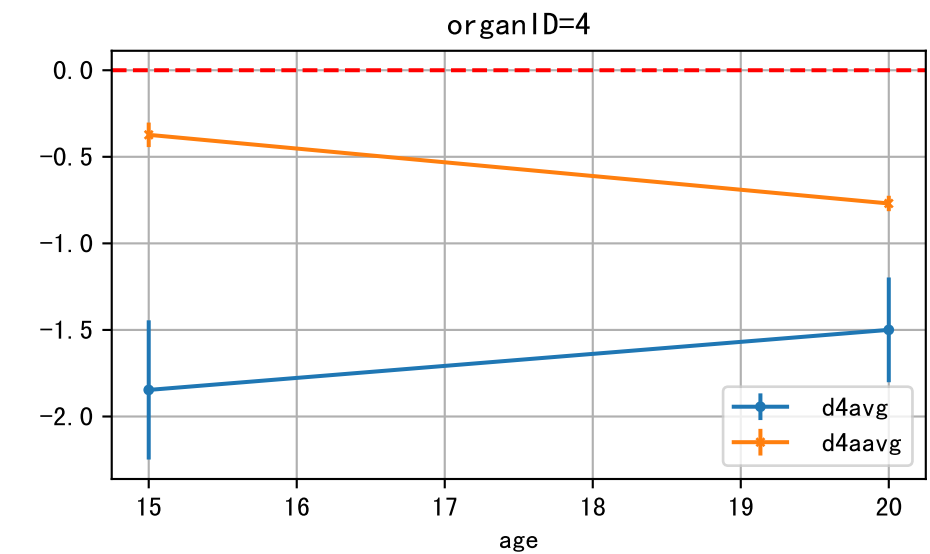
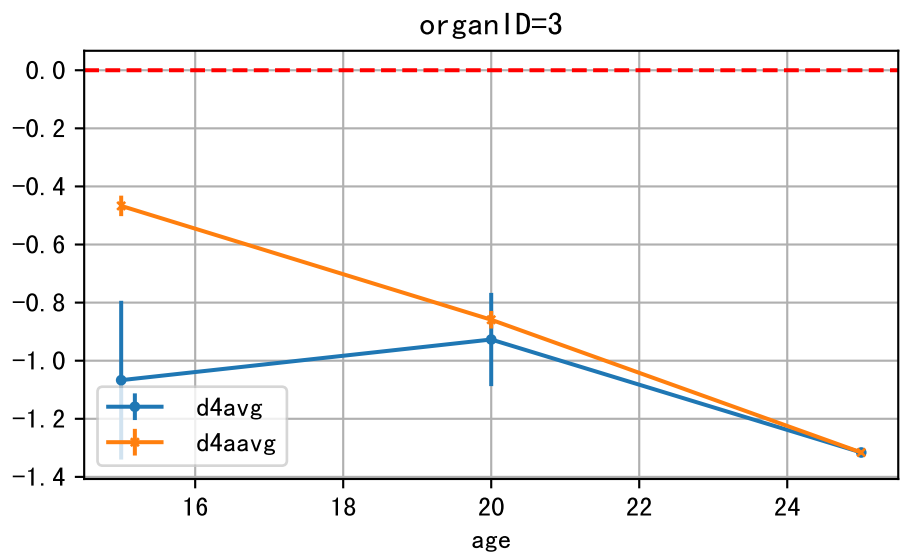
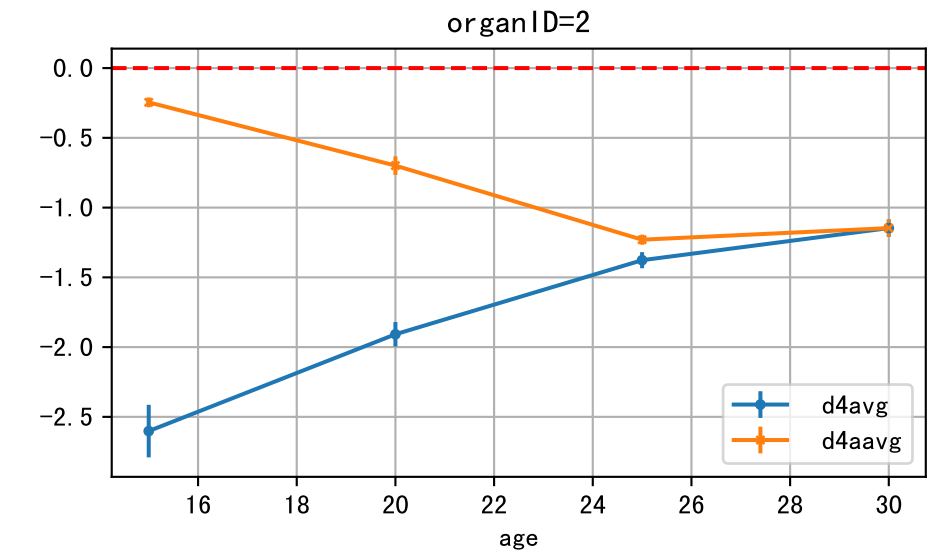
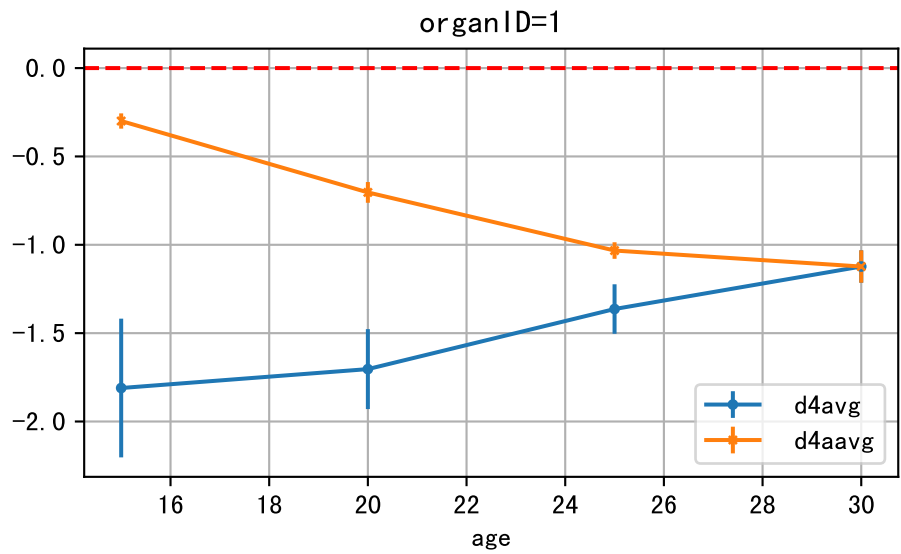


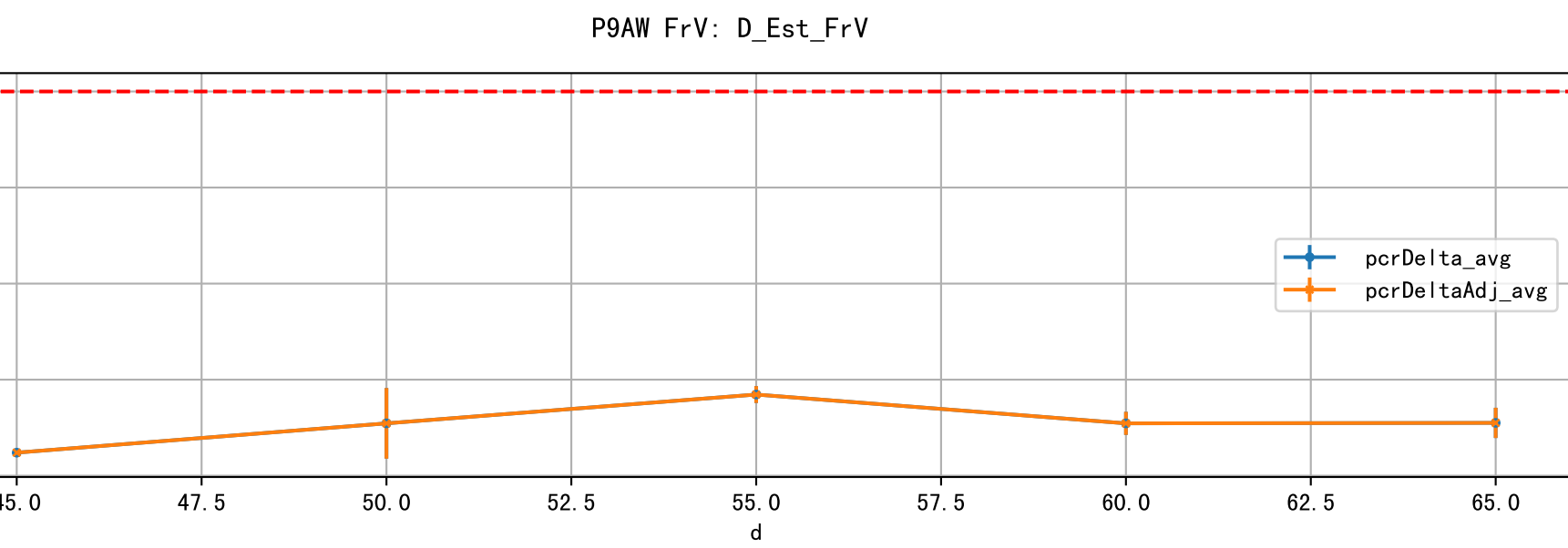
P9AW FrV: D_Ts_FrV











P9AW FrV: sfDem

