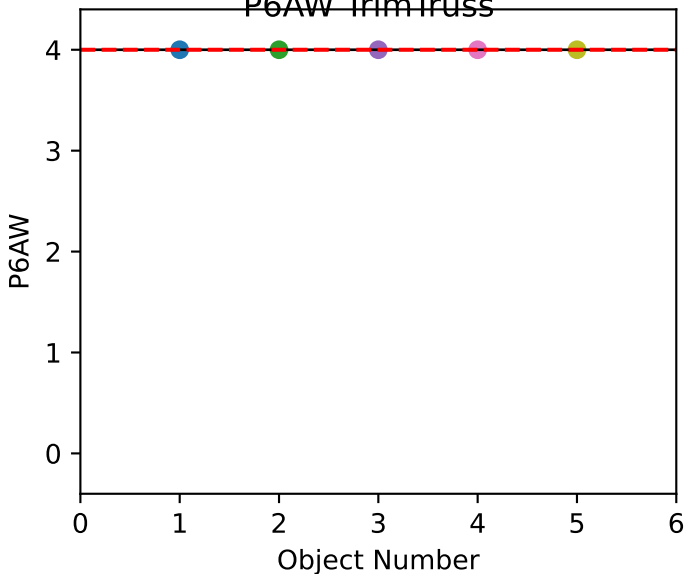


*Phenotype Data Analysis Plots*  
*PhenoData day range = 5 - 34*  
*Analysis cutoff day = 34*  
*NC11 P6*  
*2025-05-10 (Day 35)*

TrussNodeMaxPerStem (Def=4.0 Set=4)

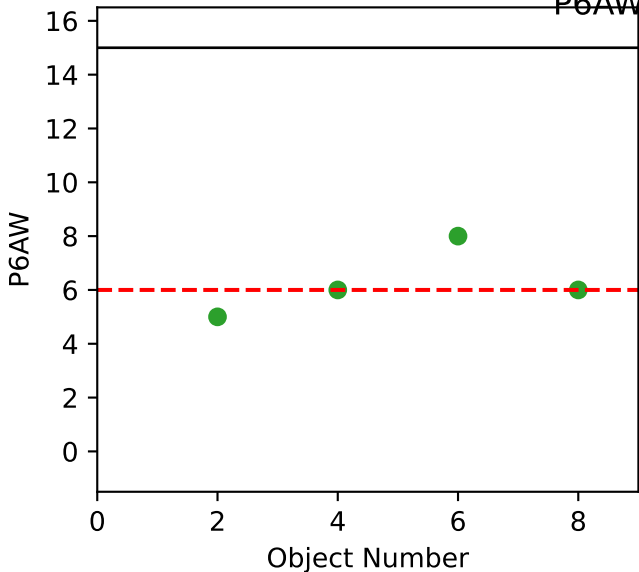
avg1=4.0~0% avg2=na

P6AW Trim Truss



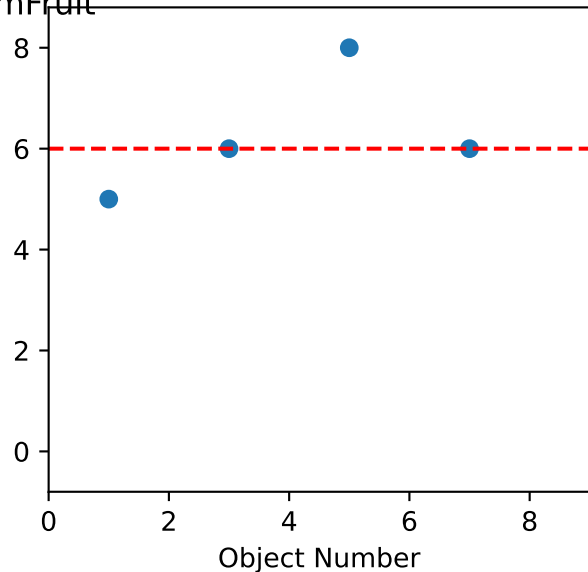
FruitNumAvgPerTruss (Def=15 Set=6)

avg1=6.0~10% avg2=na

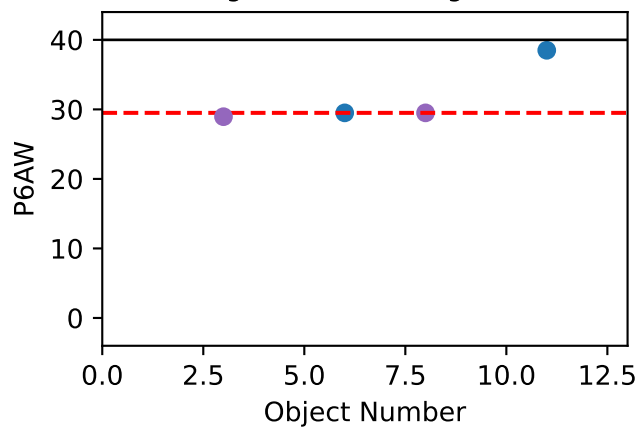


FruitNumMaxPerTruss (Def=na Set=6)

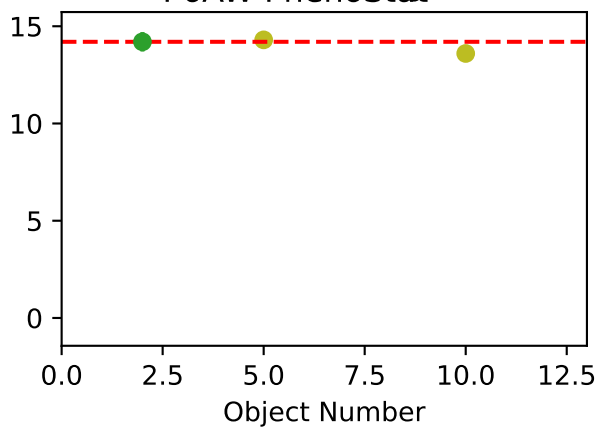
avg1=6.0~10% avg2=na



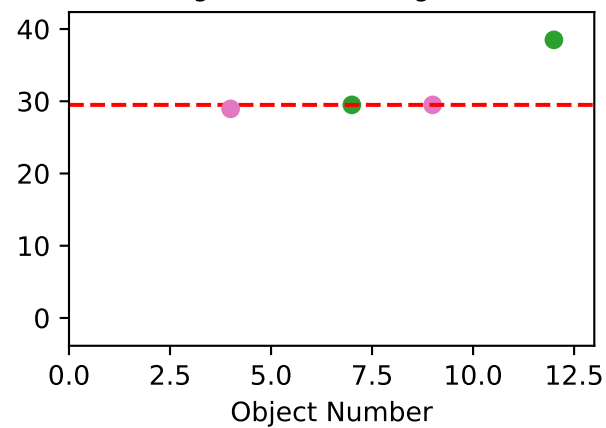
LfL\_Q90AbsY (Def=40 Set=29.5)  
avg1=29.5~1% avg2=na



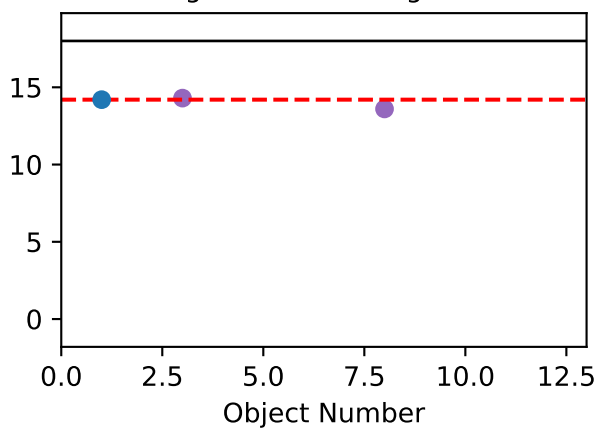
NdD\_avgAbsY (Def=na Set=14.2)  
avg1=14.2~3% avg2=na



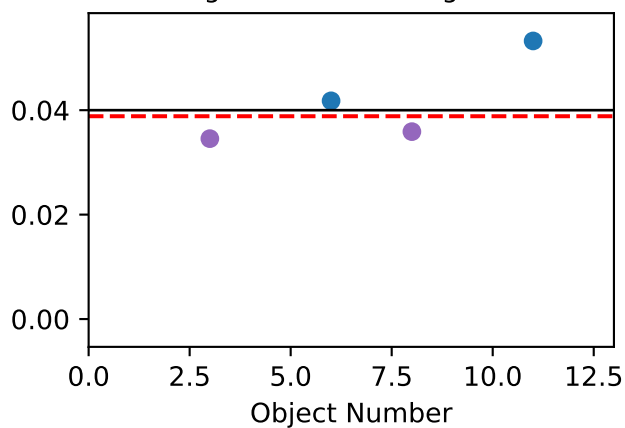
LfL\_avgAbsY (Def=na Set=29.5)  
avg1=29.5~1% avg2=na



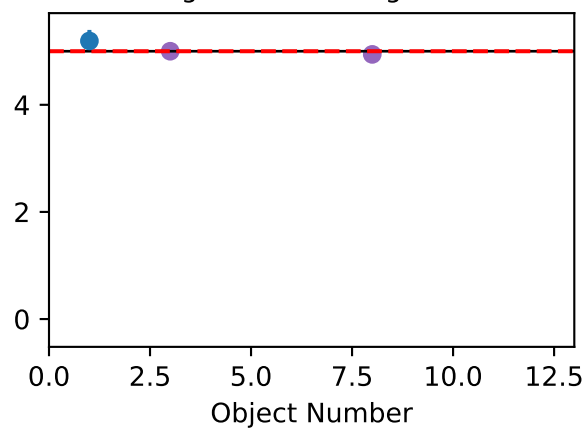
NdD\_Q90AbsY (Def=18 Set=14.2)  
avg1=14.2~3% avg2=na



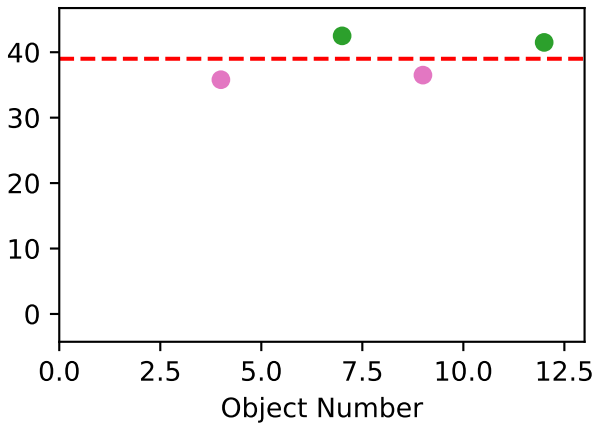
LfA\_Q90AbsY (Def=0.04 Set=0.04)  
avg1=0.04~22% avg2=na



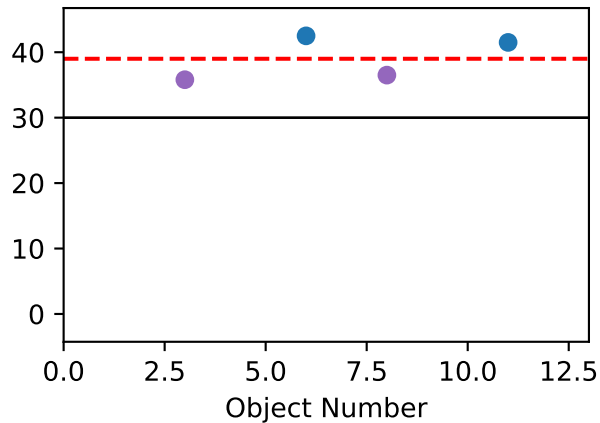
NdL\_Q90AbsY (Def=5 Set=5.0)  
avg1=5.0~3% avg2=na



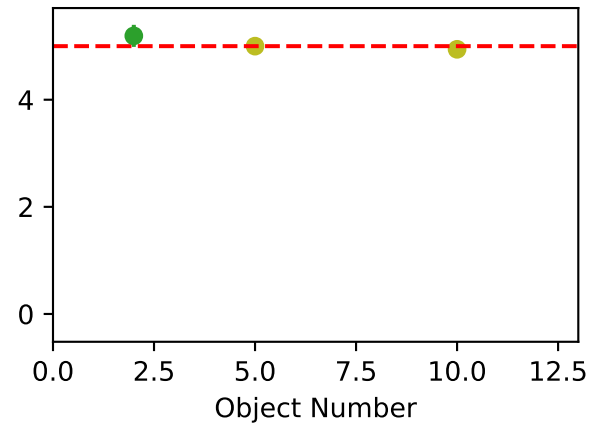
LfW\_avgAbsY (Def=na Set=39.0)  
avg1=39.0~9% avg2=na



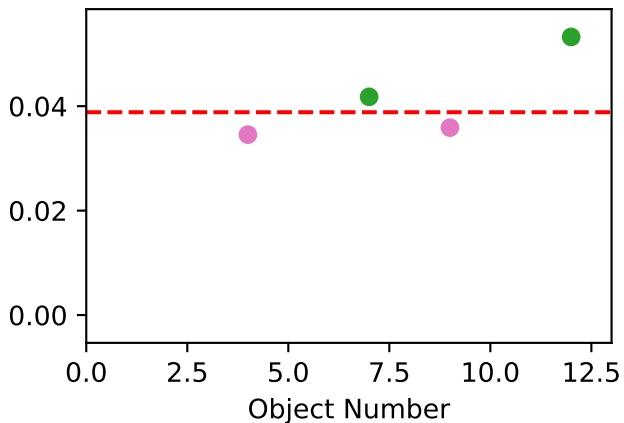
LfW\_Q90AbsY (Def=30 Set=39.0)  
avg1=39.0~9% avg2=na



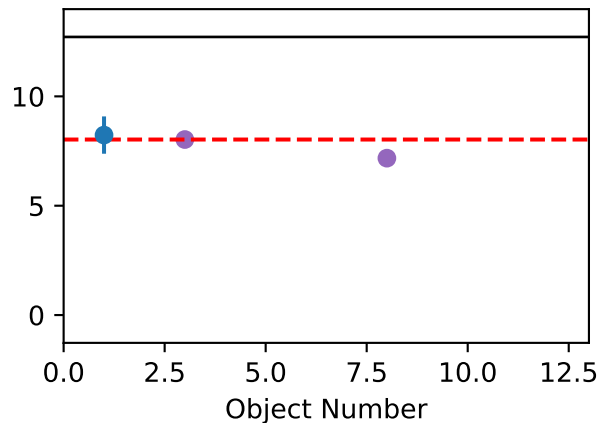
NdL\_avgAbsY (Def=na Set=5.0)  
avg1=5.0~3% avg2=na



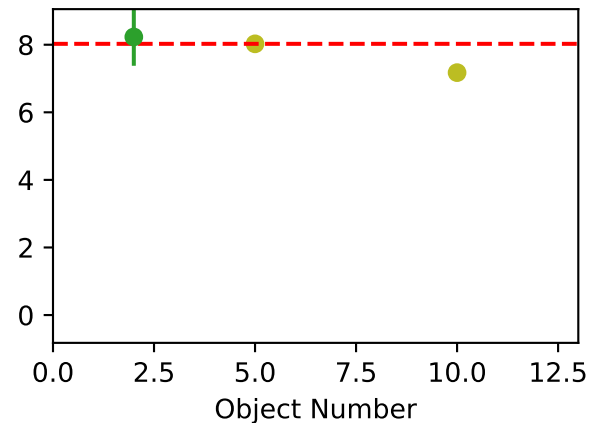
LfA\_avgAbsY (Def=na Set=na)  
avg1=0.04~22% avg2=na



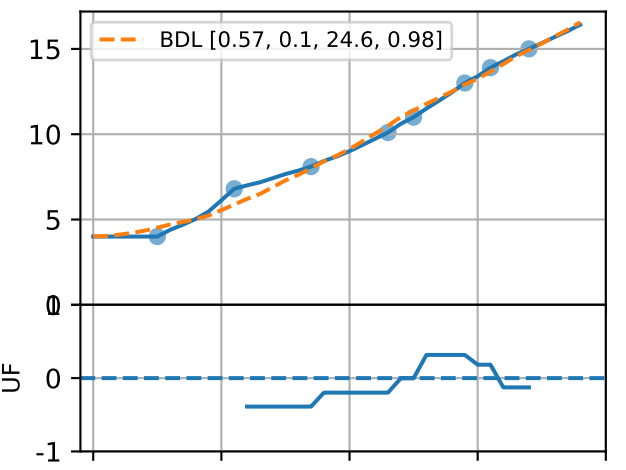
NdV\_Q90AbsY (Def=12.72 Set=12.72)  
avg1=8.03~7% avg2=na



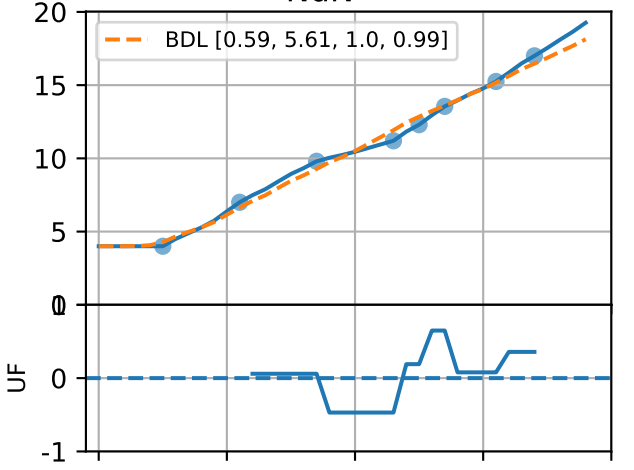
NdV\_avgAbsY (Def=na Set=na)  
avg1=8.03~7% avg2=na



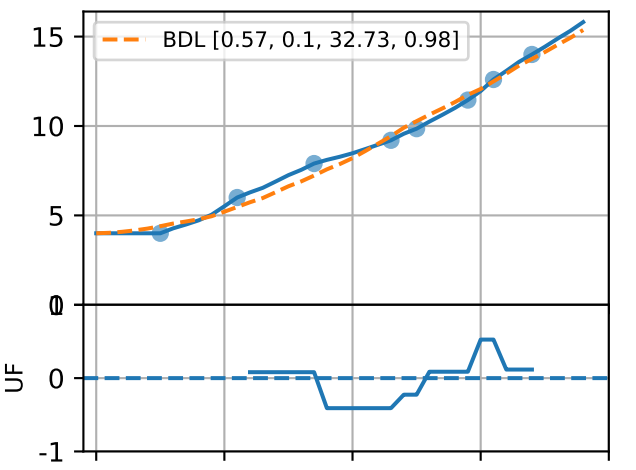
P6AW-058-22 (fit failed)



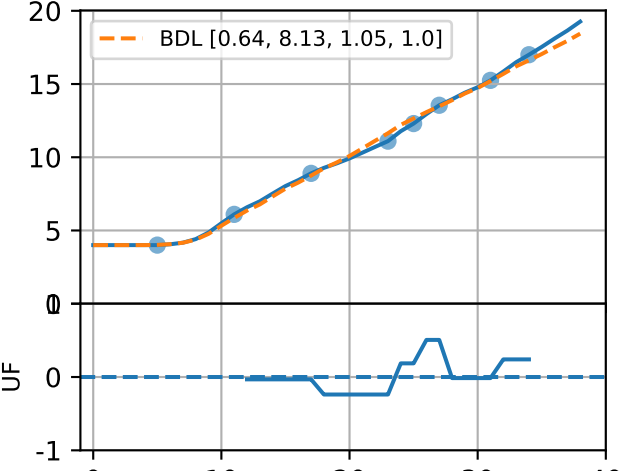
P6AW-074-19 (fit failed)



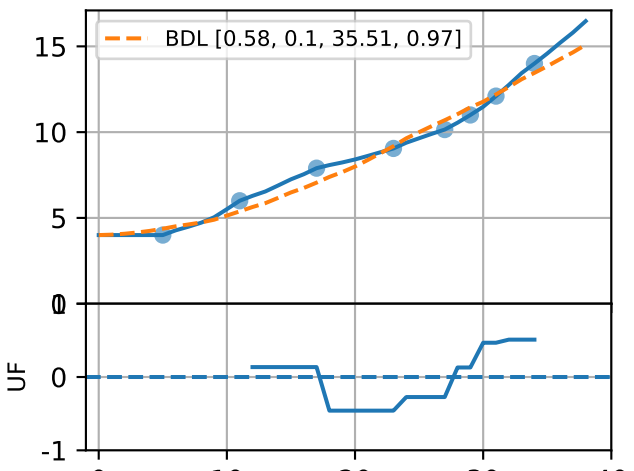
P6AW-087-14 (fit failed)



P6AW-095-29 (fit failed)



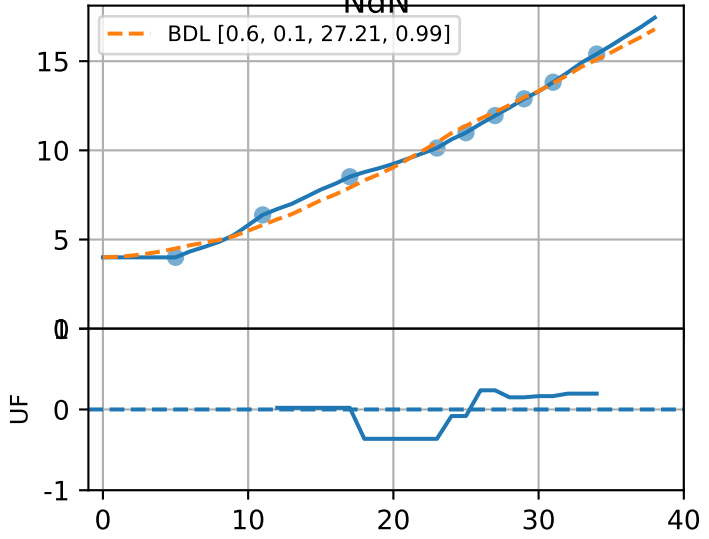
P6AW-106-11 (fit failed)



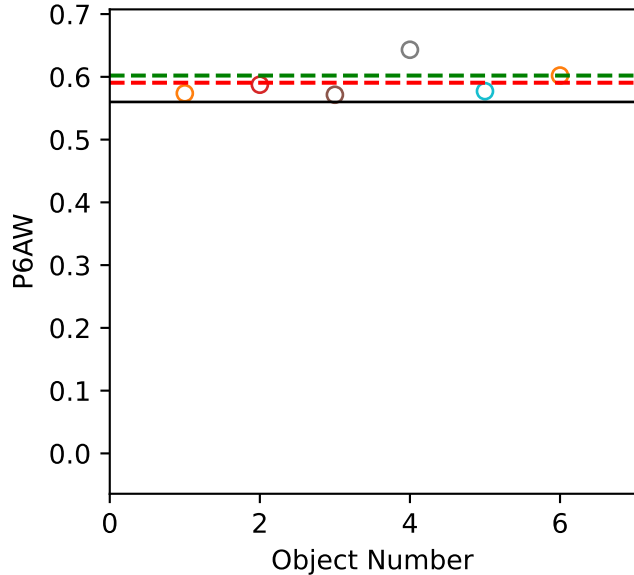
# P6AWayg (fit failed)

NaN

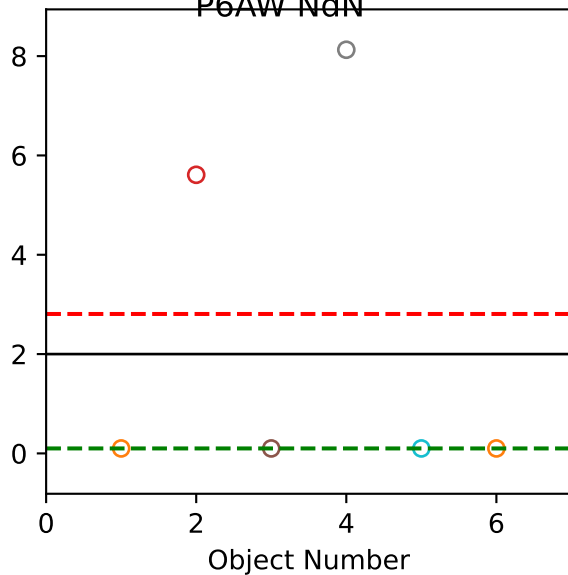
BDL [0.6, 0.1, 27.21, 0.99]



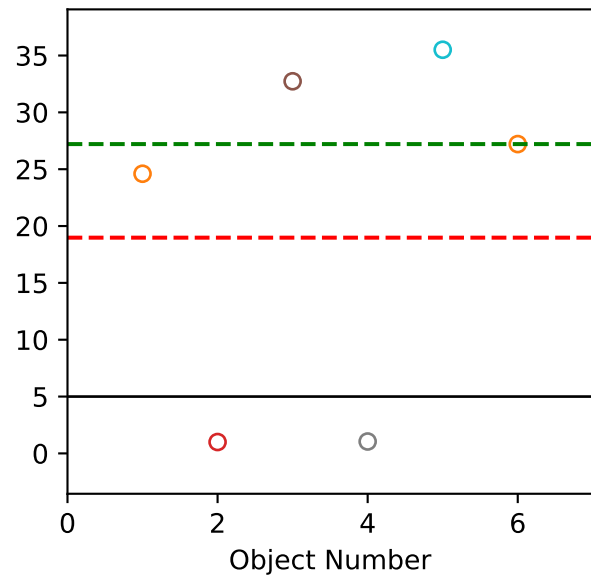
a (Def=0.56 Set=0.6)  
avg1=0.59(fail) avg2=0.6



dm (Def=2 Set=0.1)  
avg1=2.81(fail) avg2=0.1

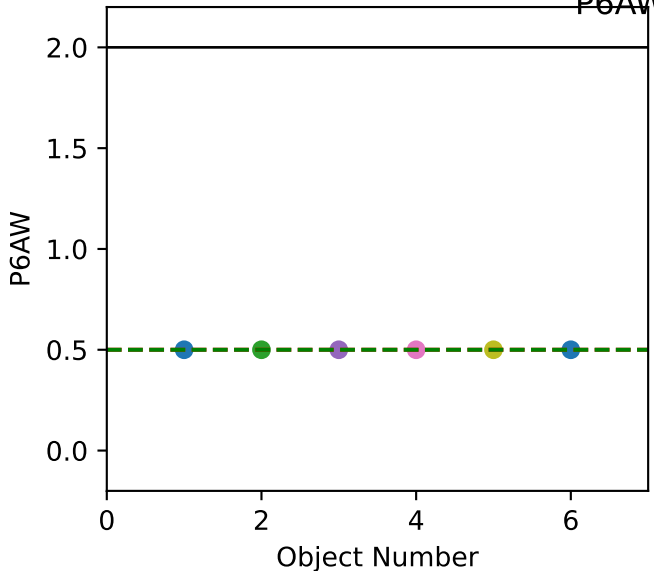


de (Def=5 Set=27.21)  
avg1=18.98(fail) avg2=27.21

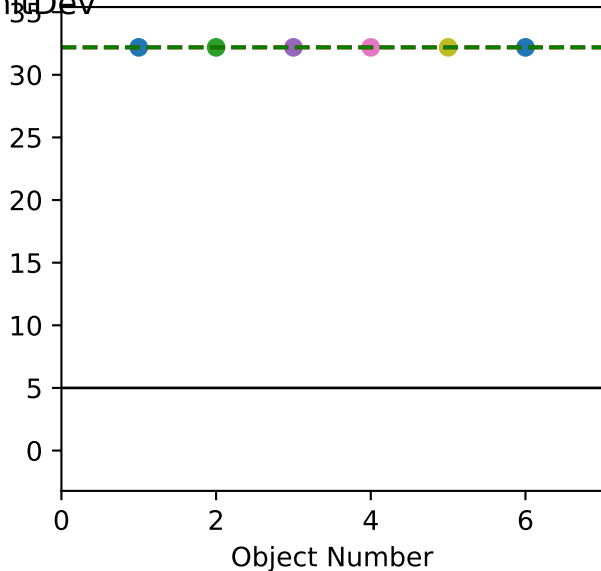




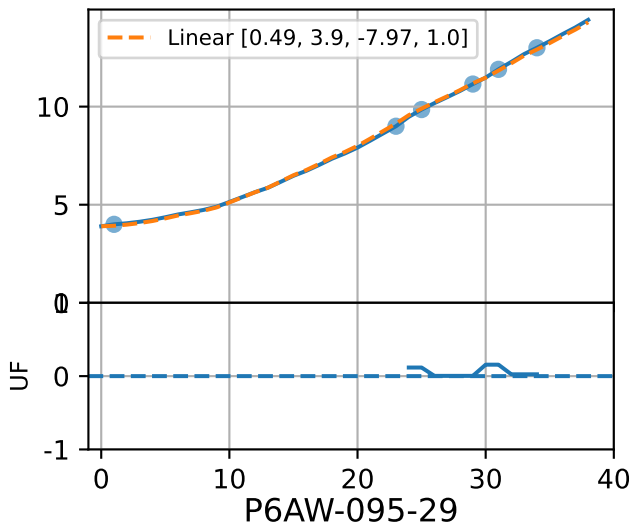
InitDev\_dm (Def=2 Set=0.5)  
avg1=0.5~0% avg2=0.5



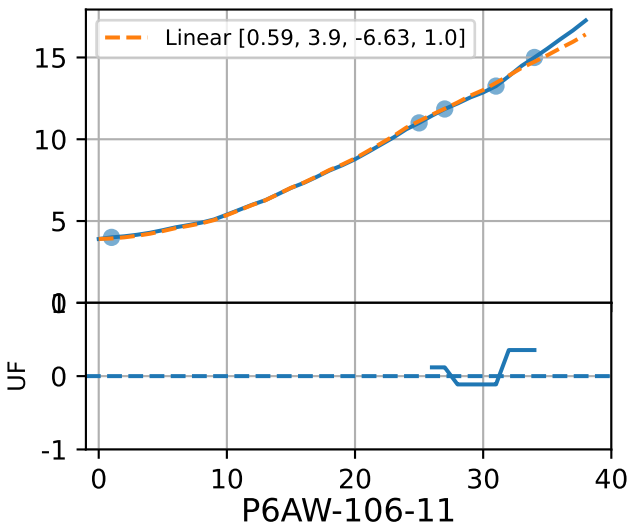
InitDev\_de (Def=5 Set=32.19)  
avg1=32.19~0% avg2=32.19



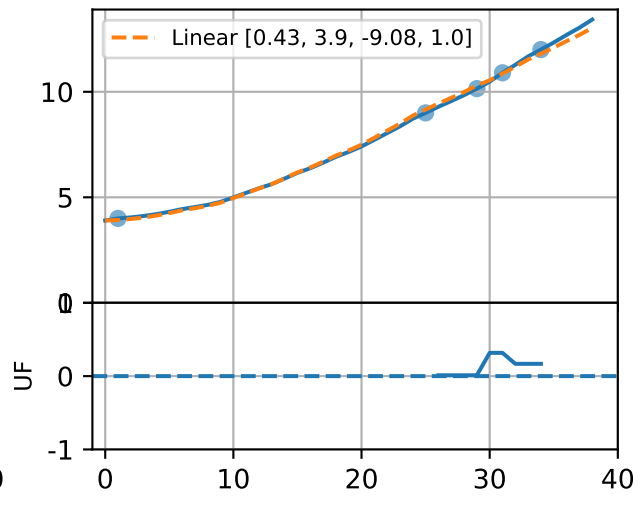
P6AW-058-22



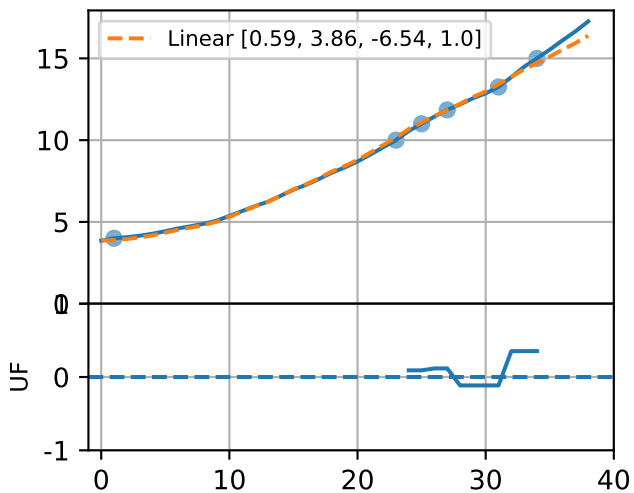
P6AW-074-9



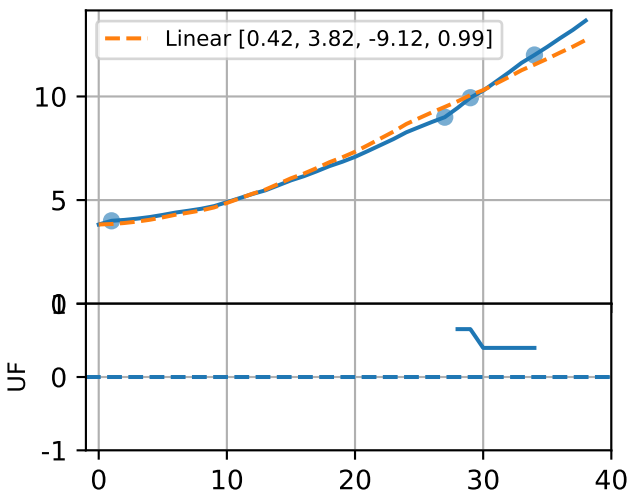
P6AW-087-14



P6AW-095-29

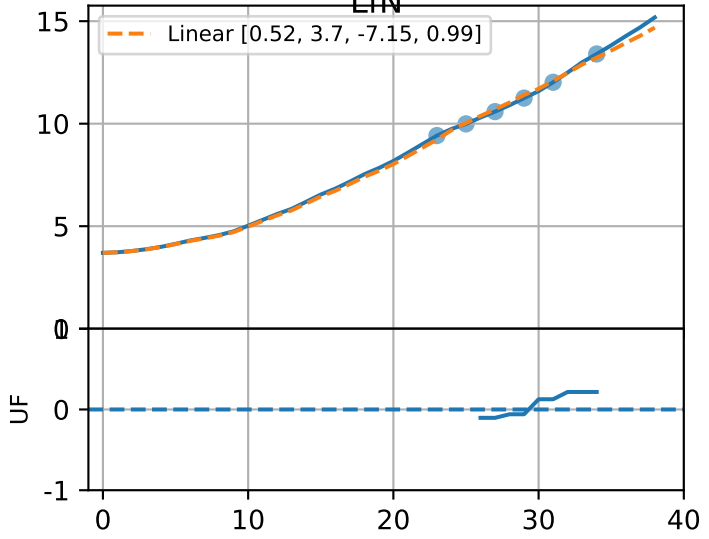


P6AW-106-11

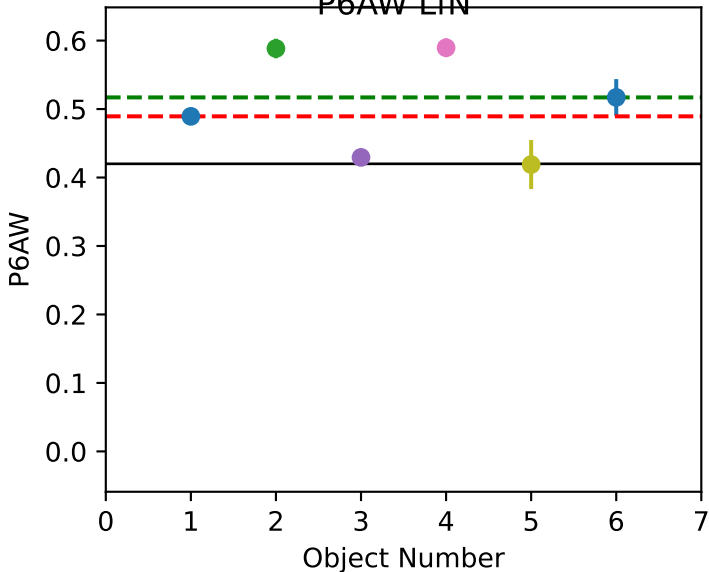


# P6AWavg Lfn

Linear [0.52, 3.7, -7.15, 0.99]

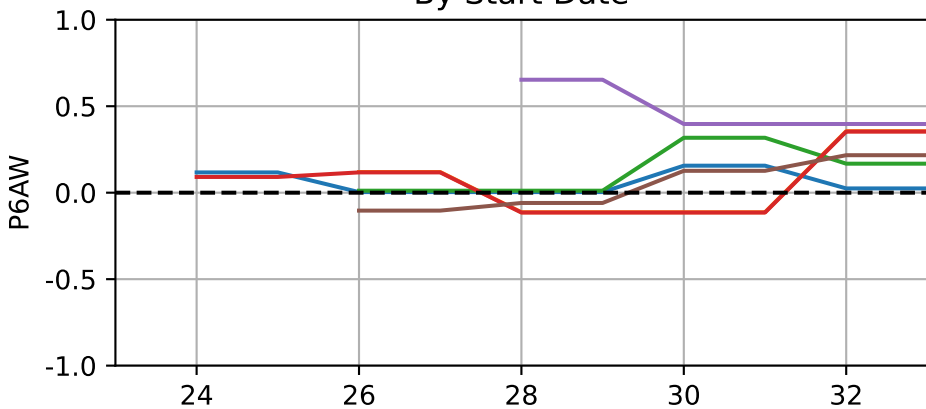


a (Def=0.42 Set=0.52)  
avg1=0.49~17% avg2=0.52~12%

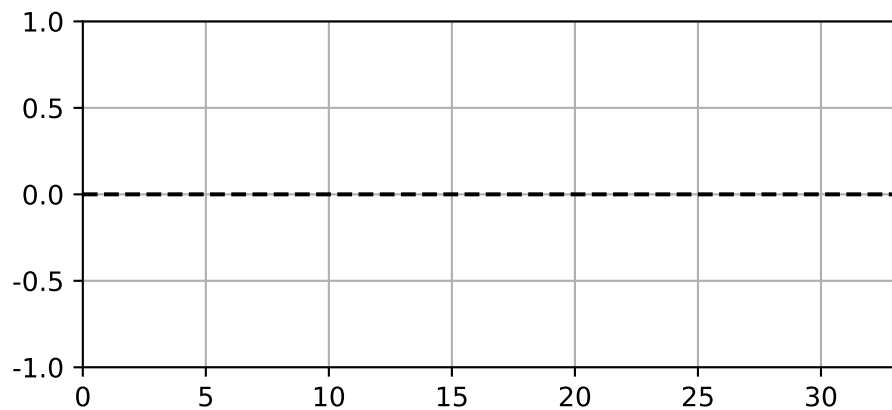
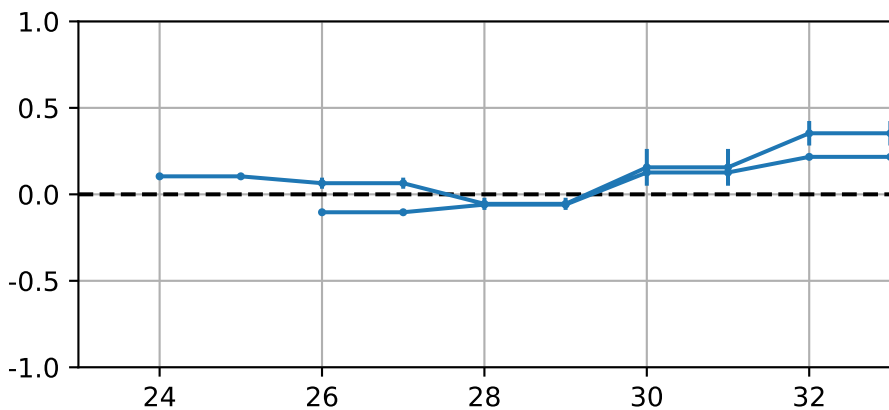
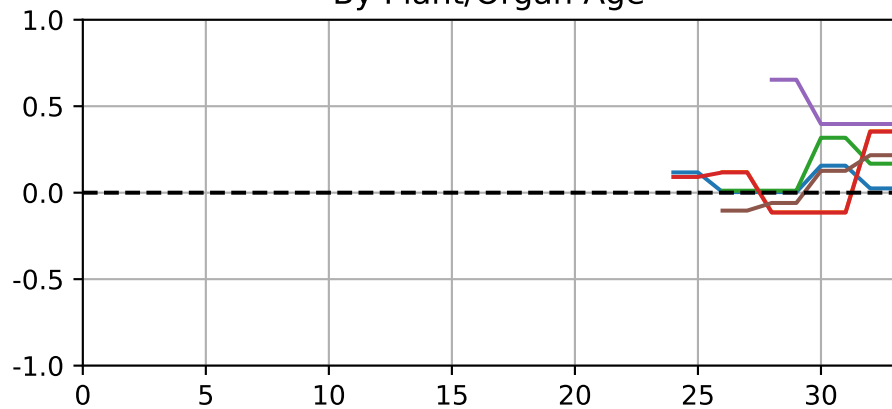


LfN

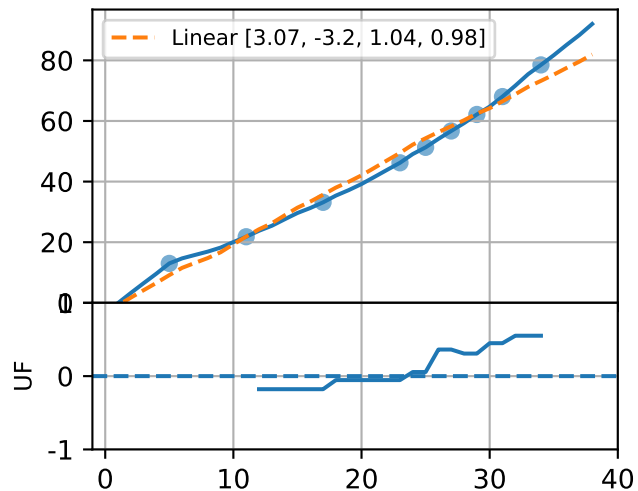
By Start Date



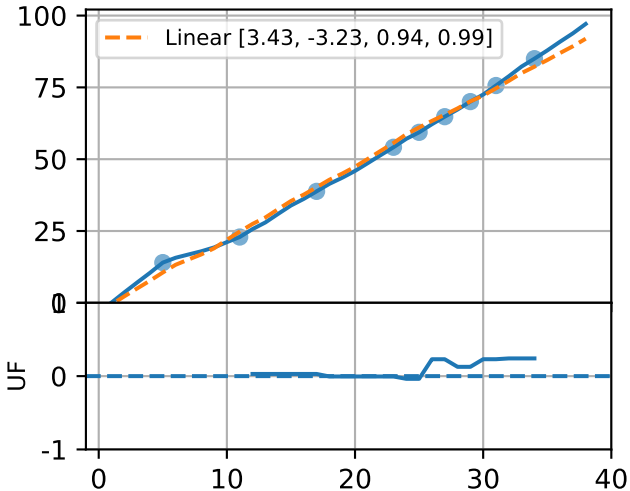
By Plant/Organ Age



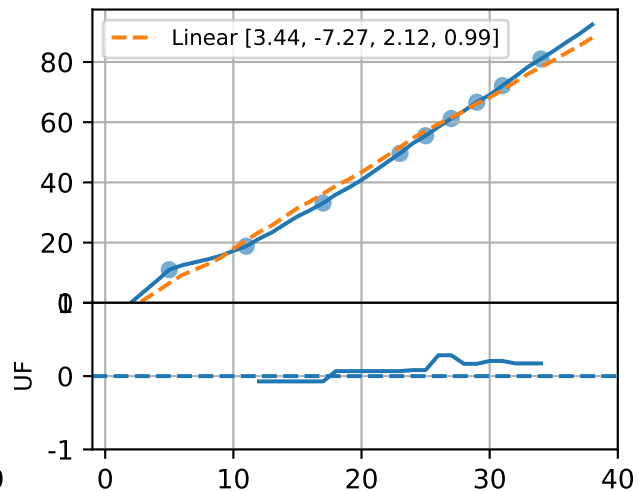
P6AW-058-22



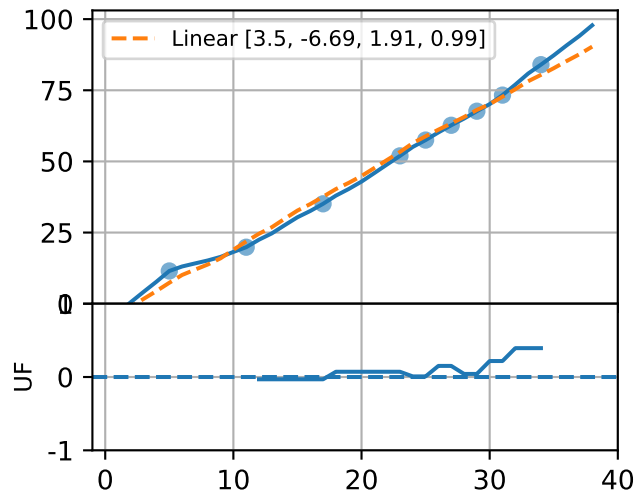
P6AW-074-9



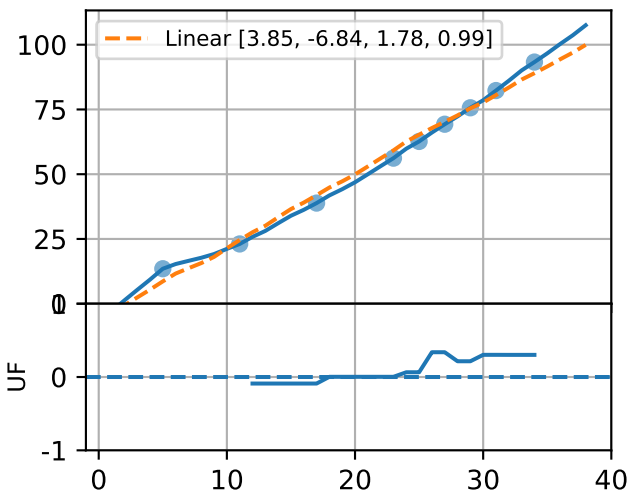
P6AW-087-14



P6AW-095-29

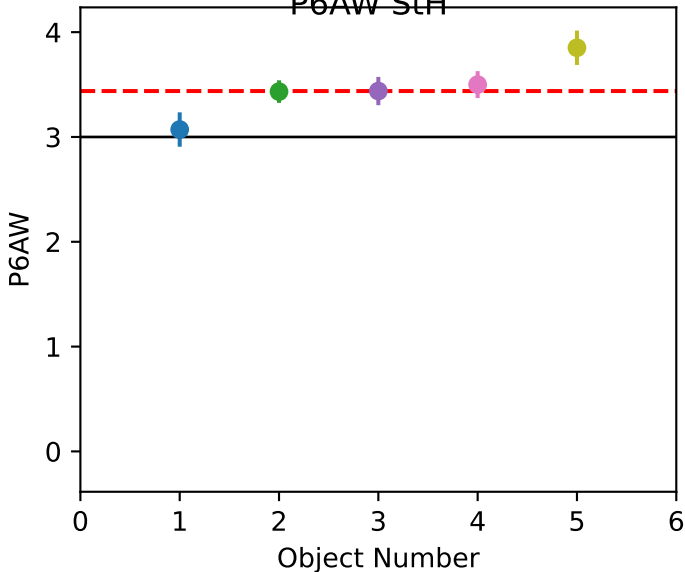


P6AW-106-11



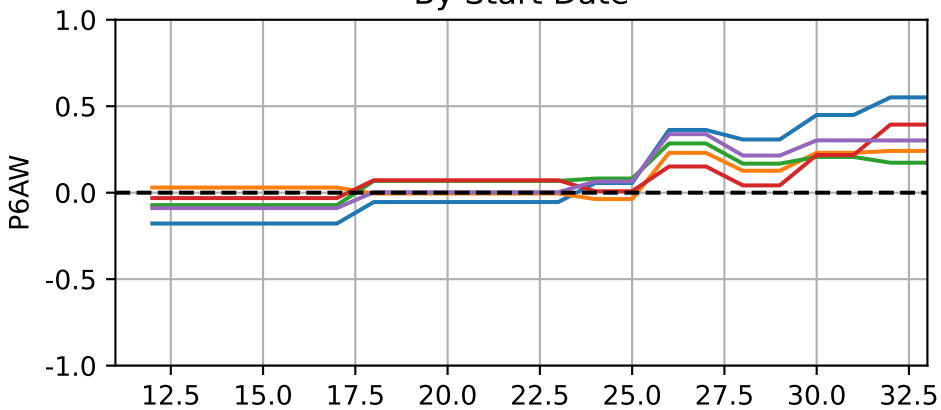
a (Def=3 Set=3.44)  
avg1=3.44~1% avg2=na

P6AW StH

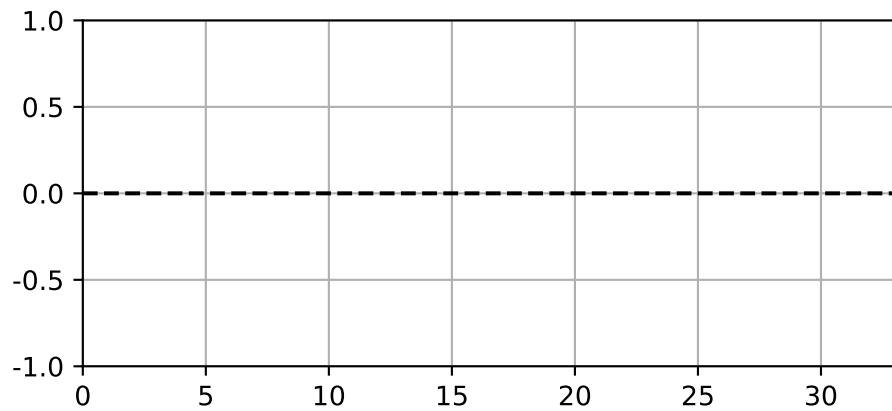
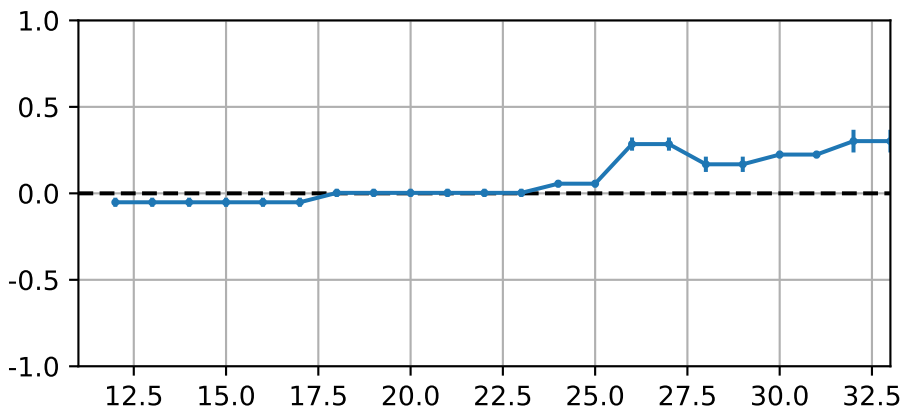
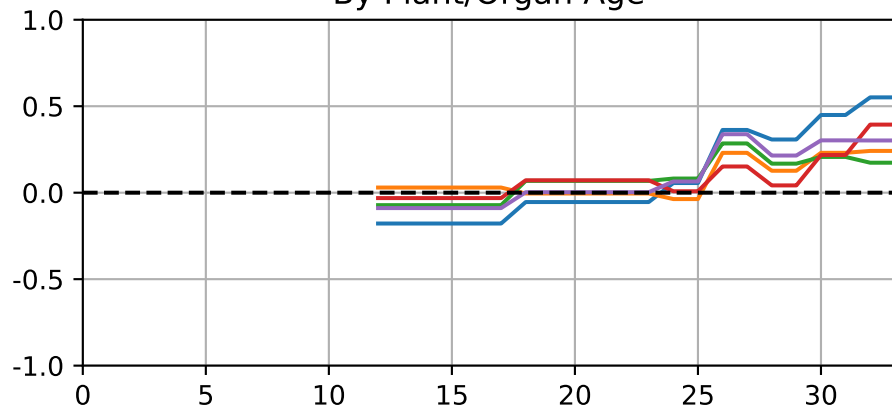


# StH

## By Start Date

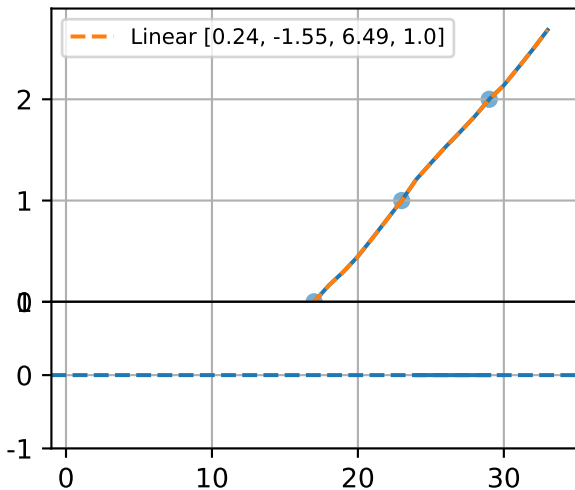


## By Plant/Organ Age

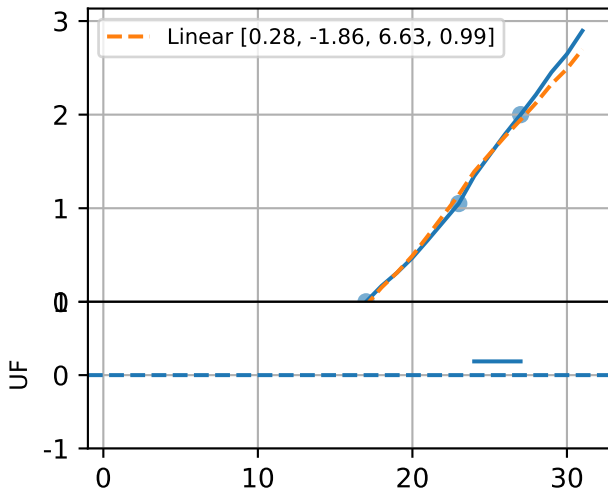




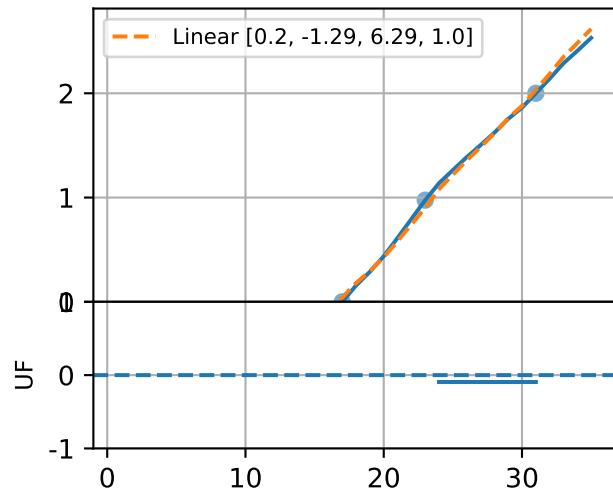
P6AW-058-22



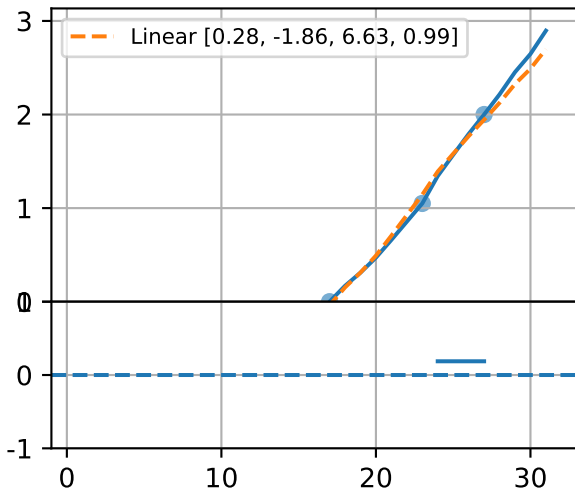
P6AW-074-9



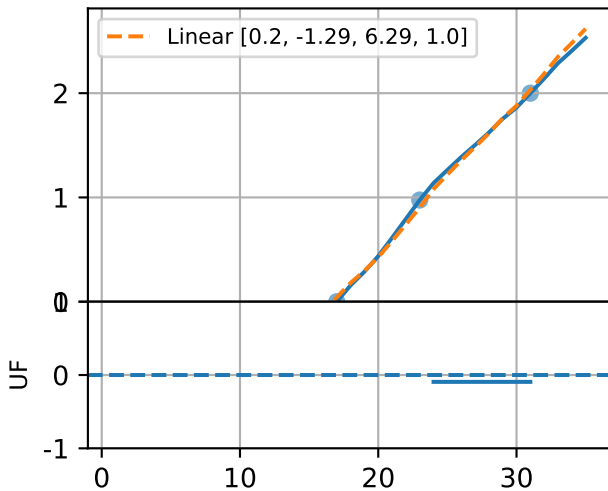
P6AW-087-14



P6AW-095-29



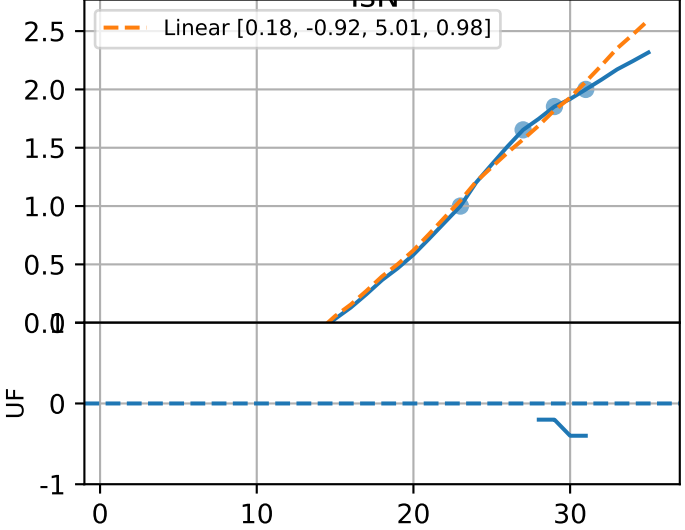
P6AW-106-11



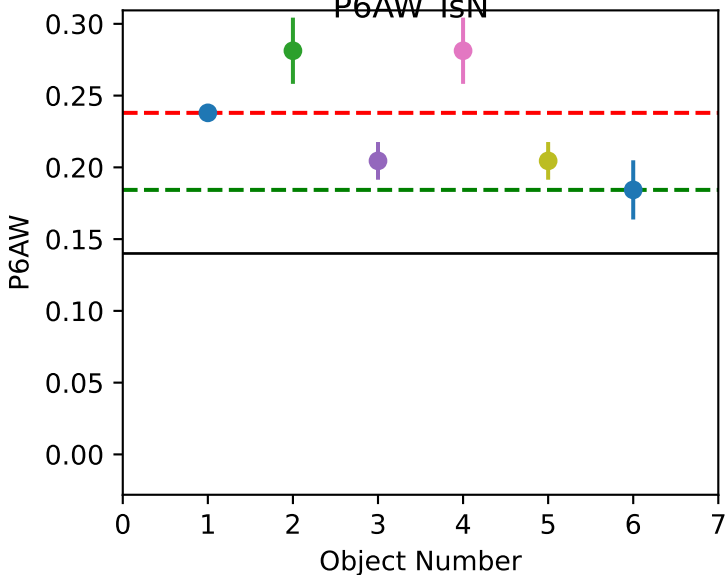
# P6AWavg

## TSN

Linear [0.18, -0.92, 5.01, 0.98]

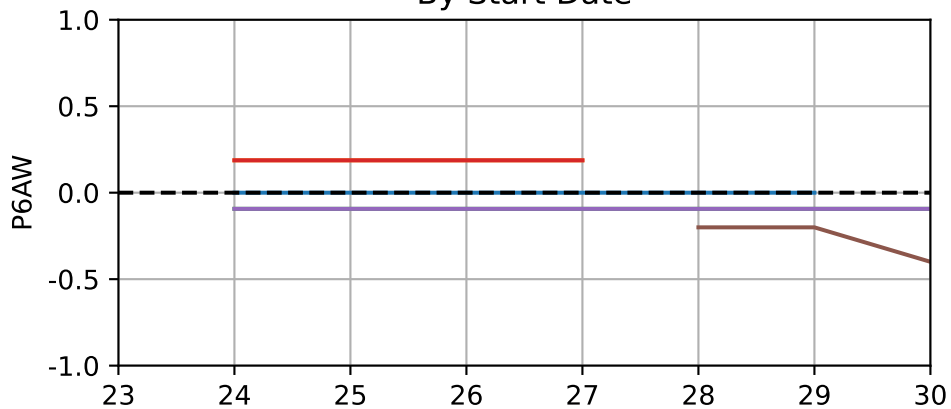


a (Def=0.14 Set=0.18)  
avg1=0.24~16% avg2=0.18~22%

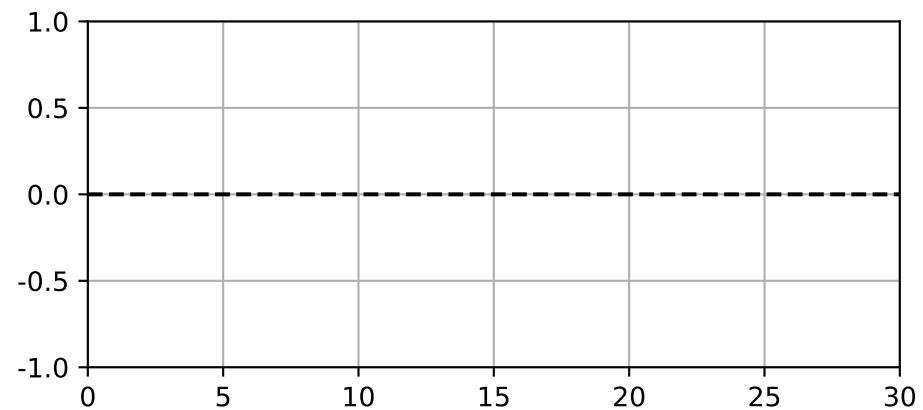
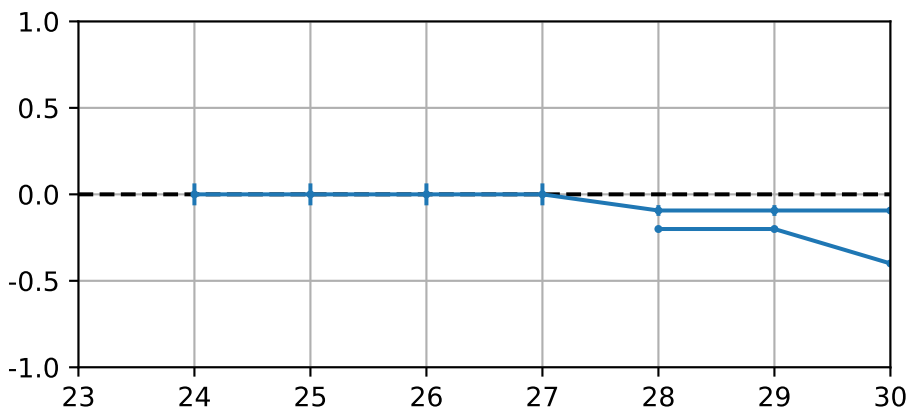
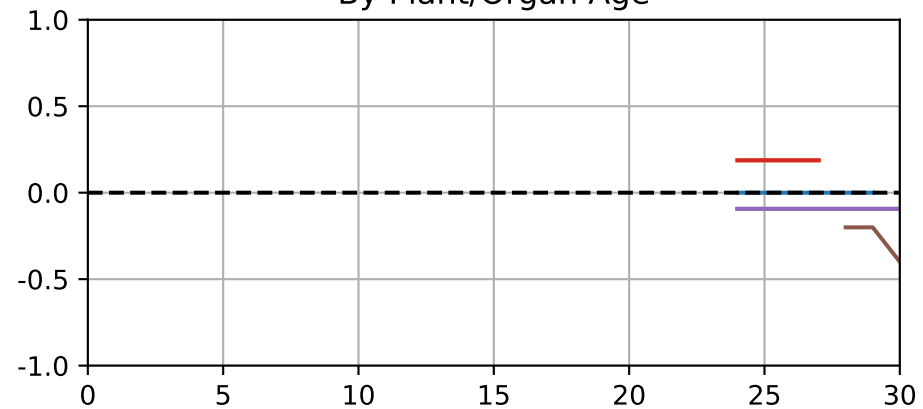


# TsN

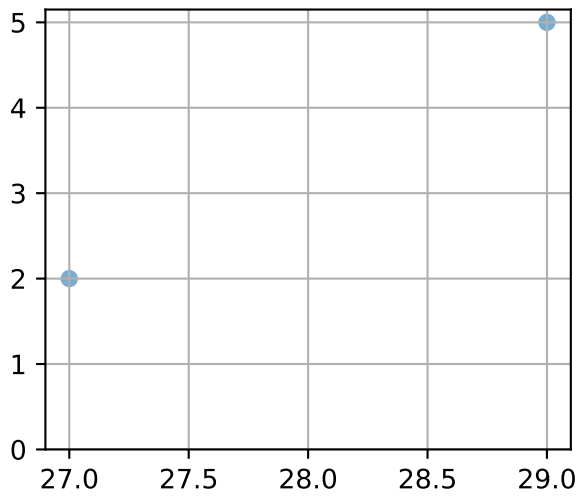
## By Start Date



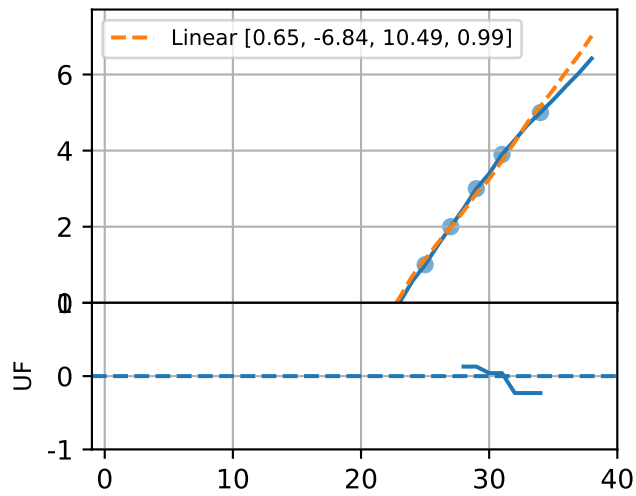
## By Plant/Organ Age



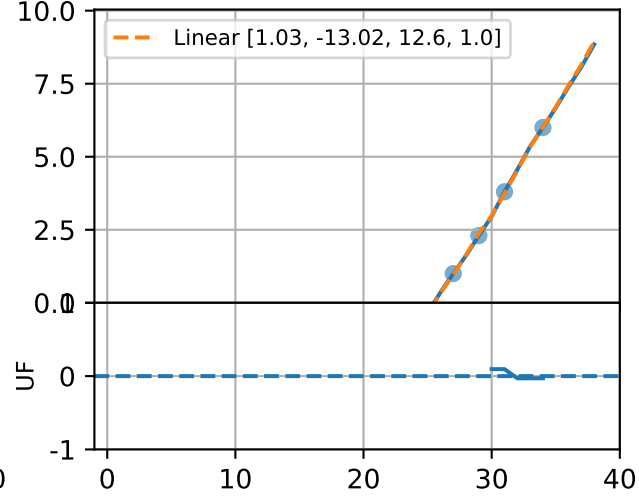
P6AW-058-22T1 (fit failed)



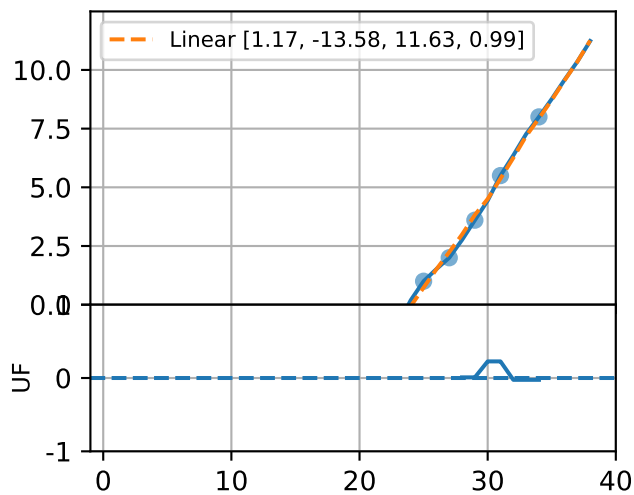
P6AW-074-9T1



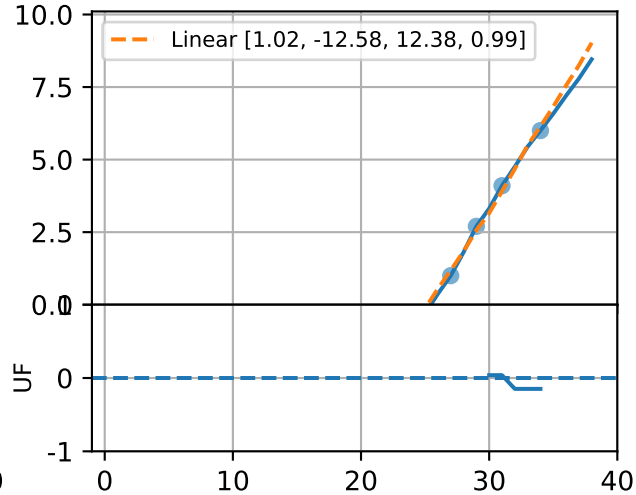
P6AW-087-14T1



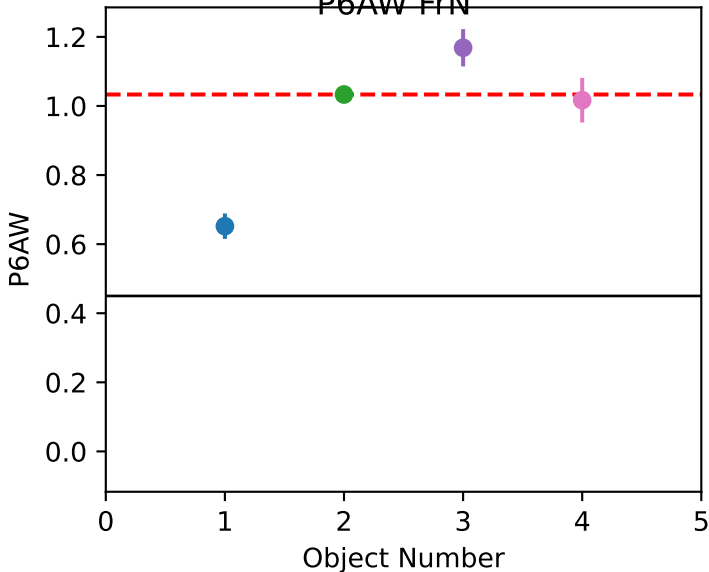
P6AW-095-29T1



P6AW-106-11T1

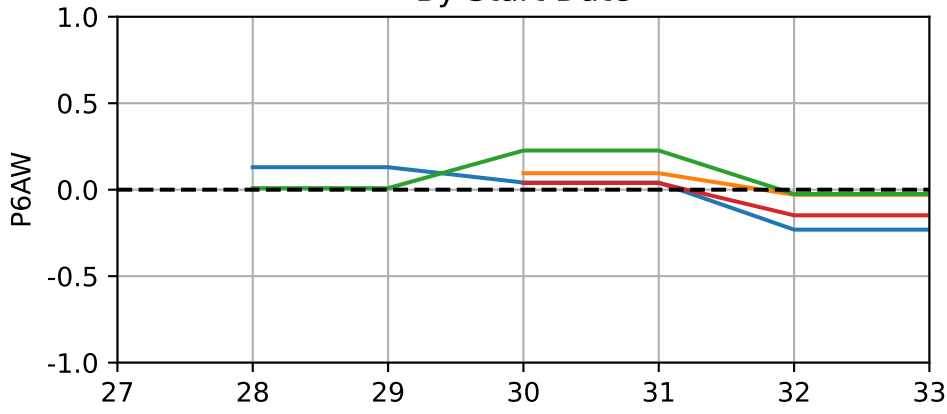


a (Def=0.45 Set=1.03)  
avg1=1.03~8% avg2=na  
P6AW FrN

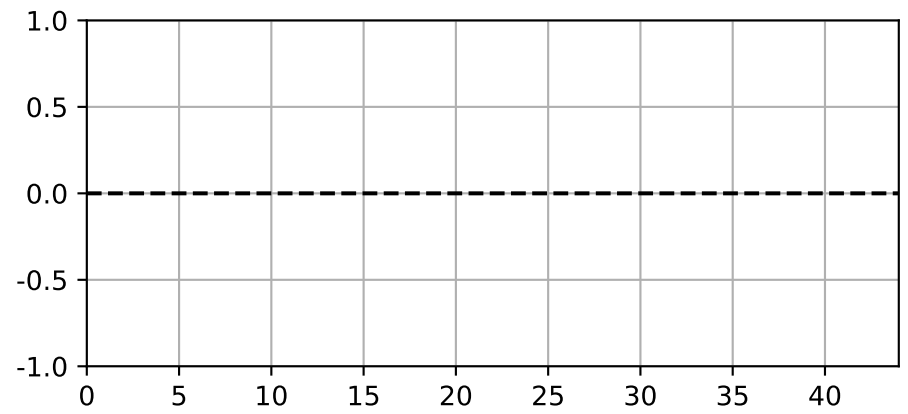
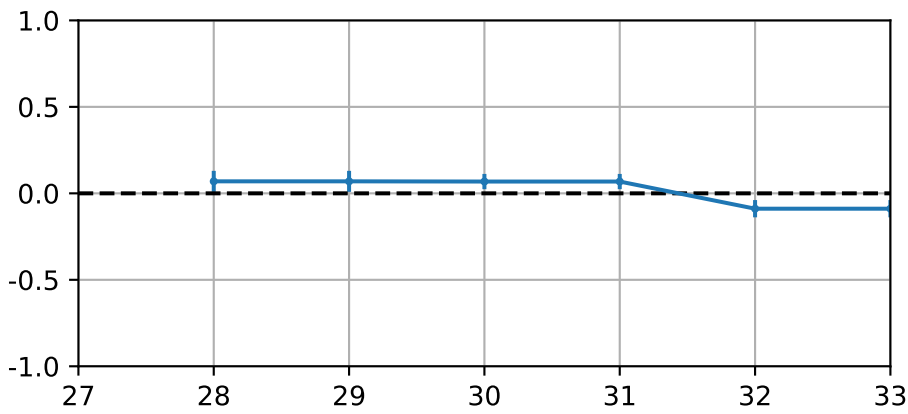
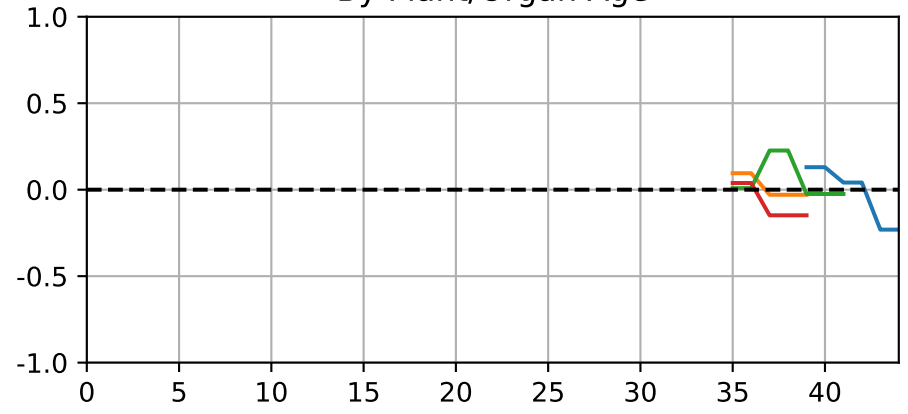


FrN

By Start Date

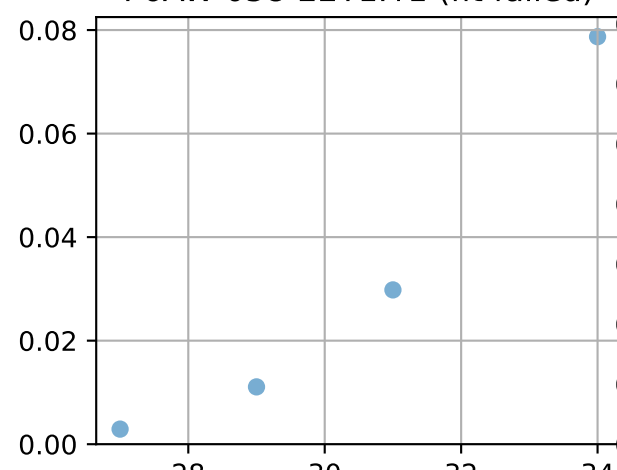


By Plant/Organ Age

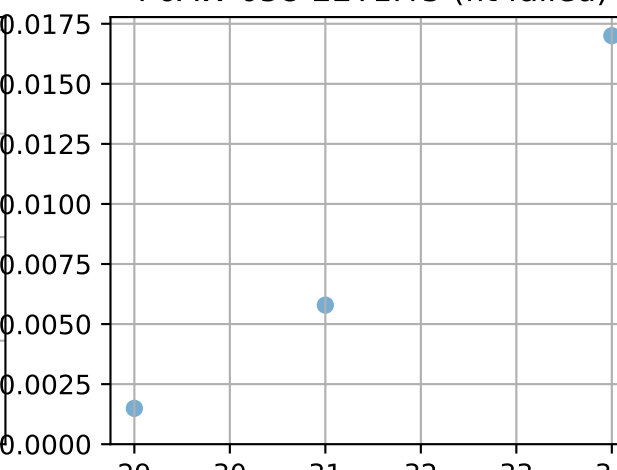


FrV

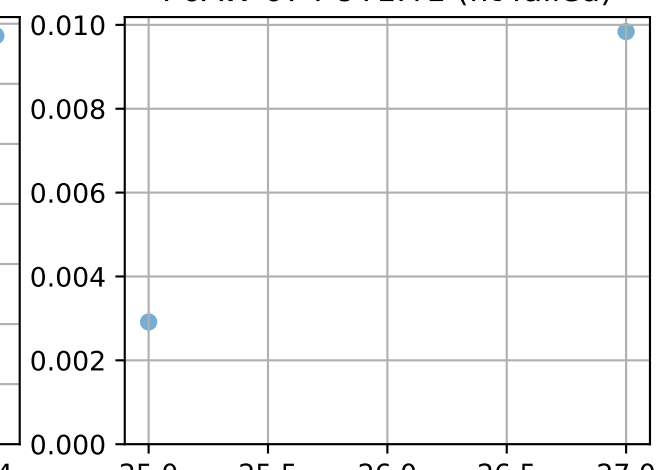
P6AW-058-22T1Fr1 (fit failed)



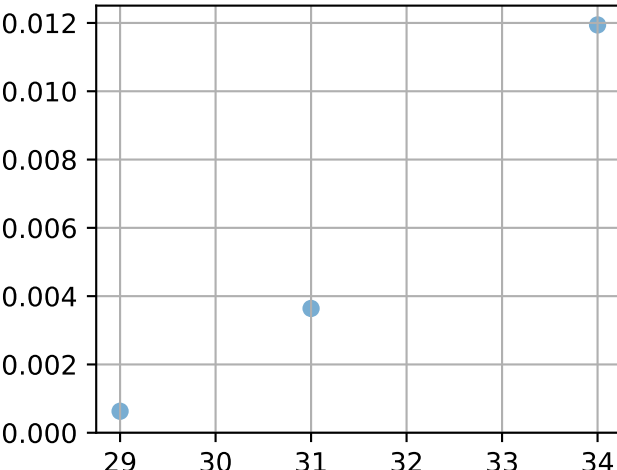
P6AW-058-22T1Fr5 (fit failed)



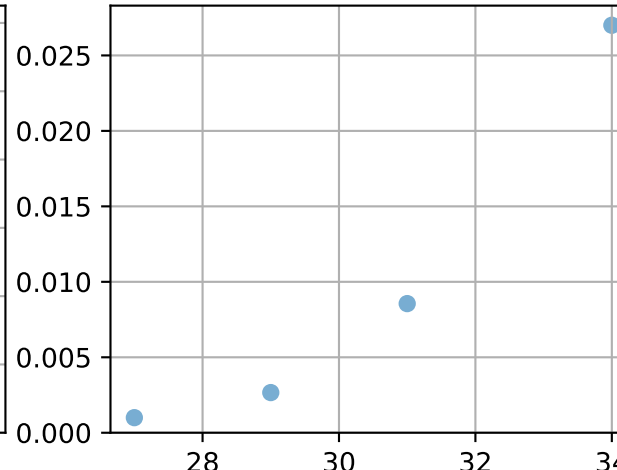
P6AW-074-9T1Fr1 (fit failed)



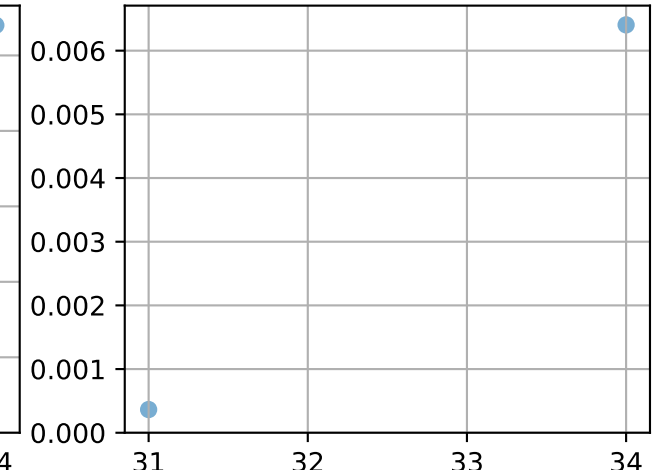
P6AW-074-9T1Fr5 (fit failed)



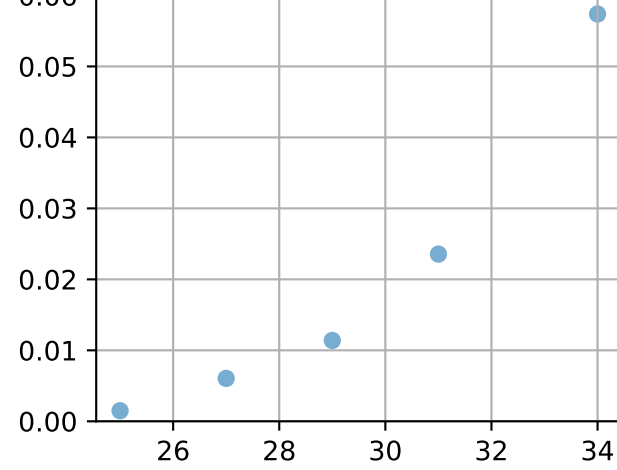
P6AW-087-14T1Fr1 (fit failed)



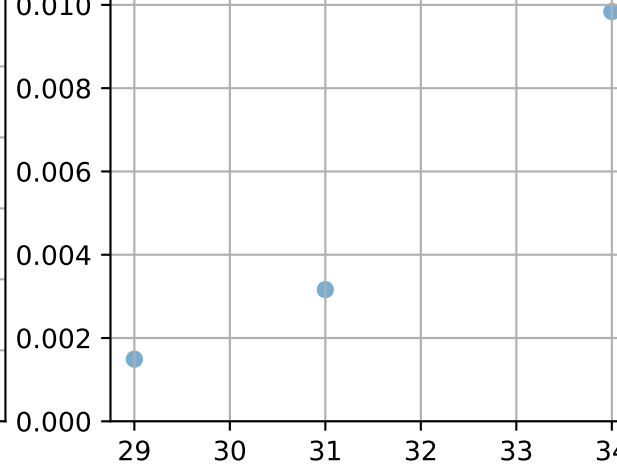
P6AW-087-14T1Fr5 (fit failed)



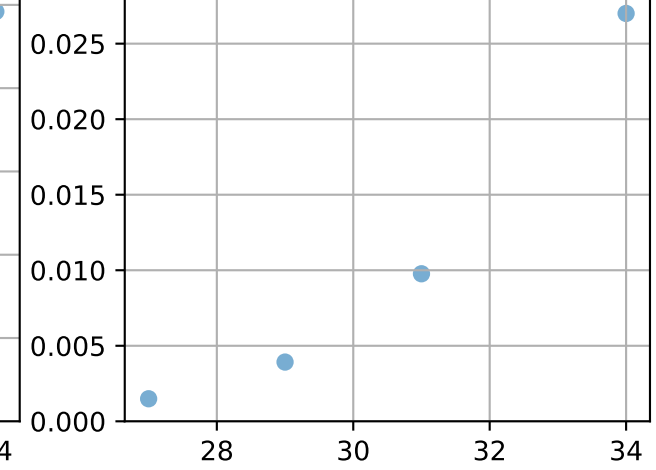
P6AW-095-29T1Fr1 (fit failed)



P6AW-095-29T1Fr5 (fit failed)



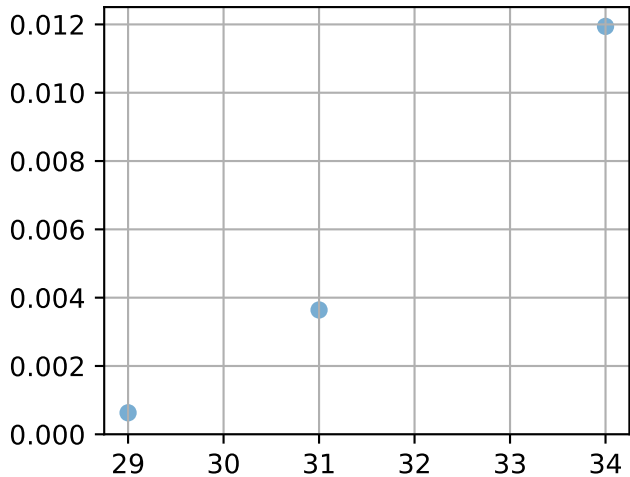
P6AW-106-11T1Fr1 (fit failed)



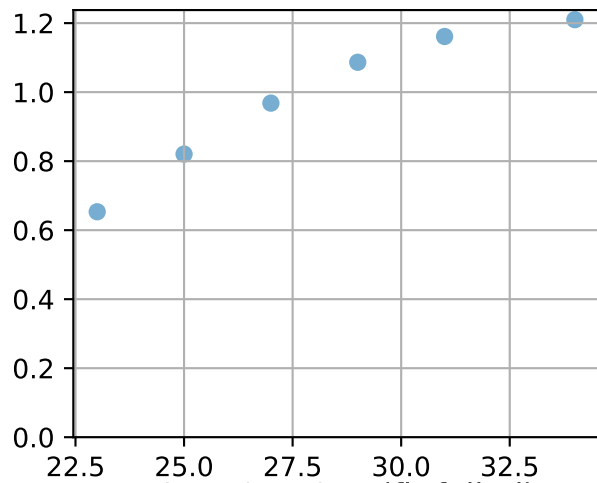


P6AW-106-11T1Fr5 (fit failed)

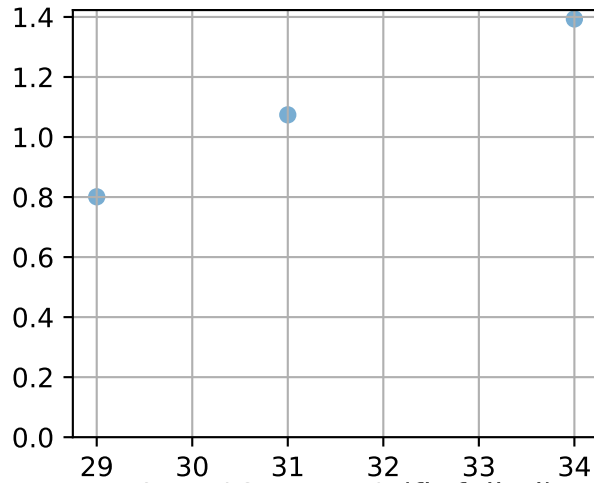
FrV



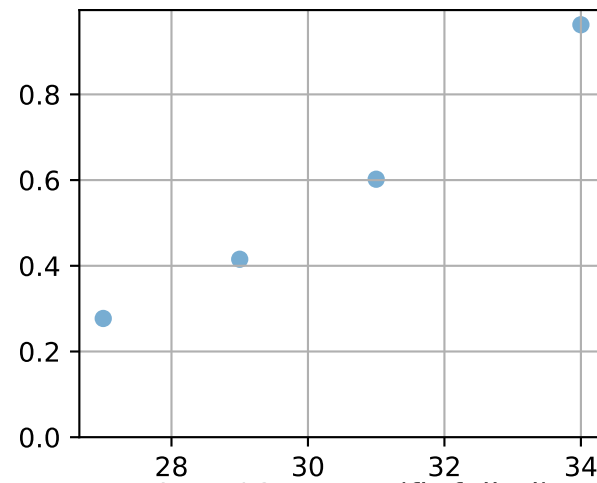
P6AW-058-22L6 (fit failed)



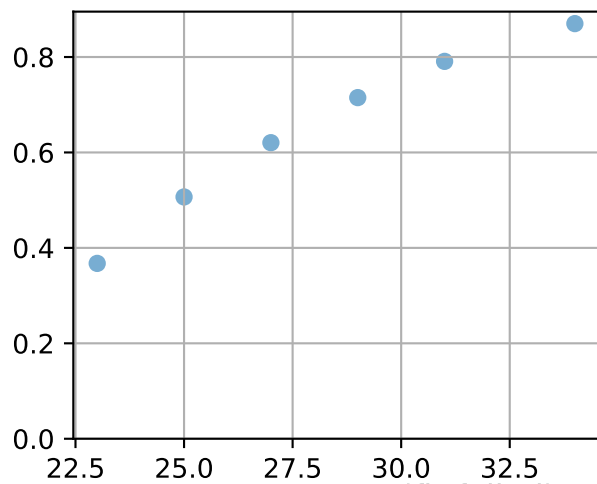
P6AW-058-22L9 (fit failed)



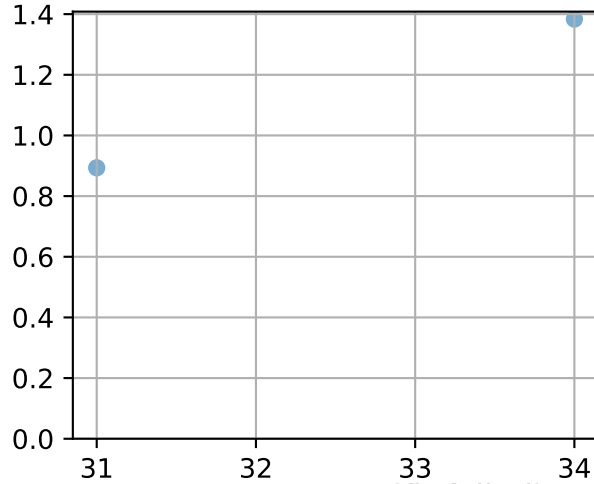
P6AW-074-9L10 (fit failed)



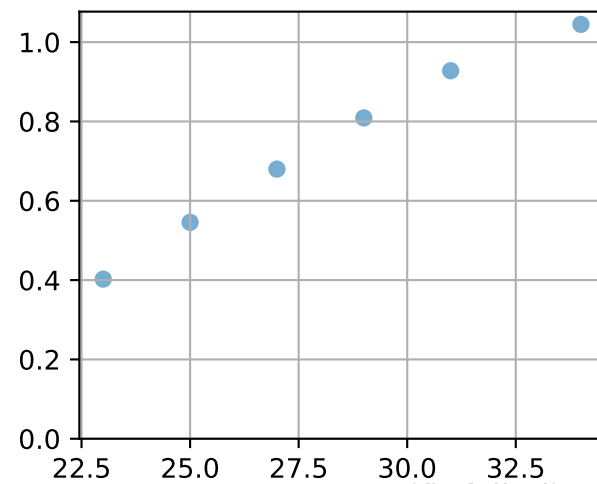
P6AW-074-9L7 (fit failed)



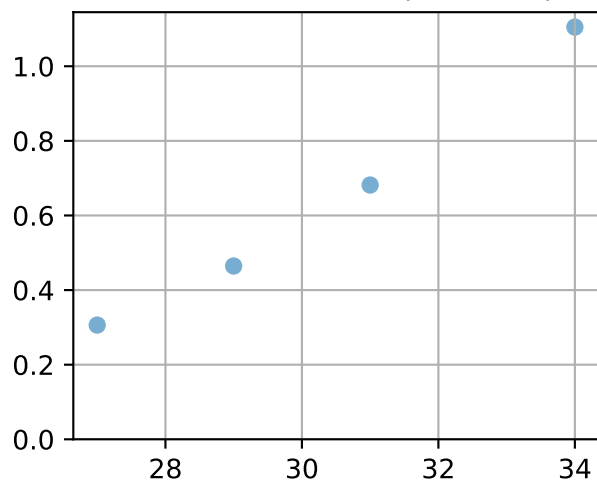
P6AW-087-14L10 (fit failed)



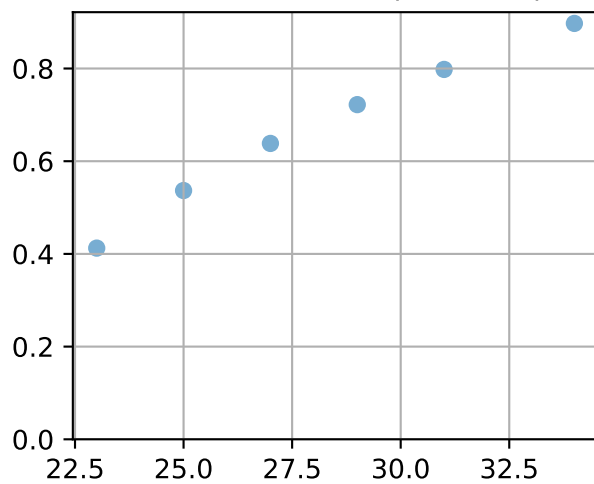
P6AW-087-14L7 (fit failed)



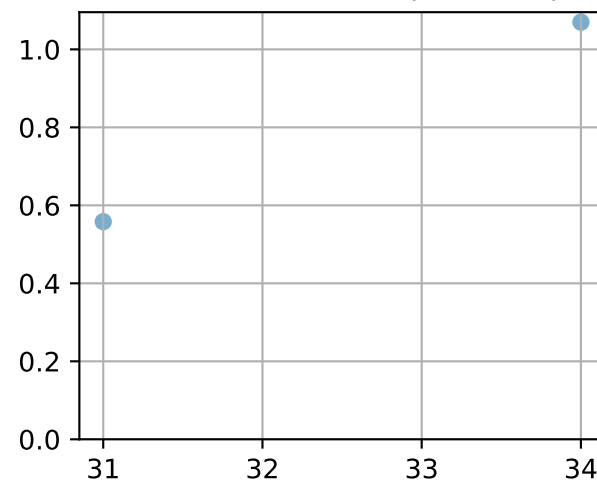
P6AW-095-29L10 (fit failed)



P6AW-095-29L7 (fit failed)

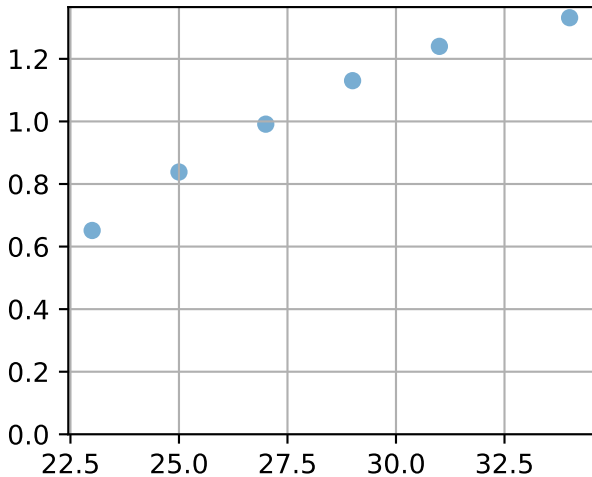


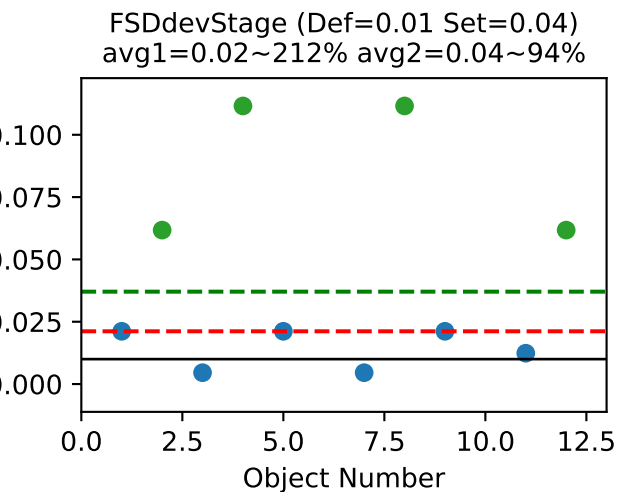
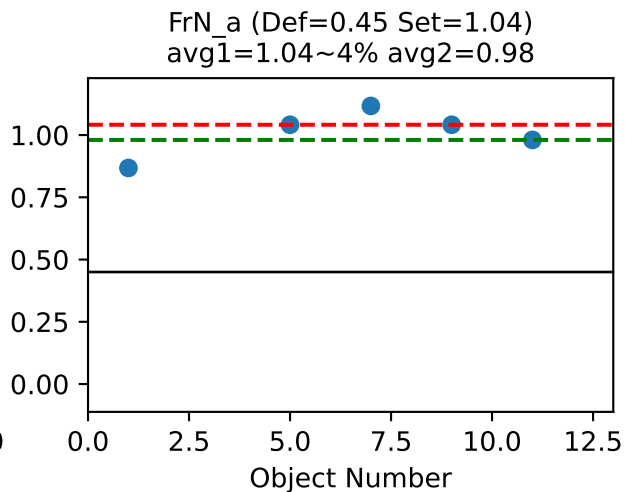
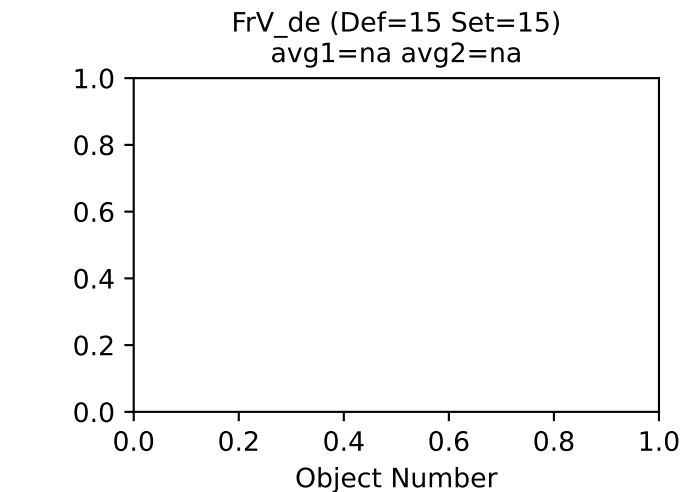
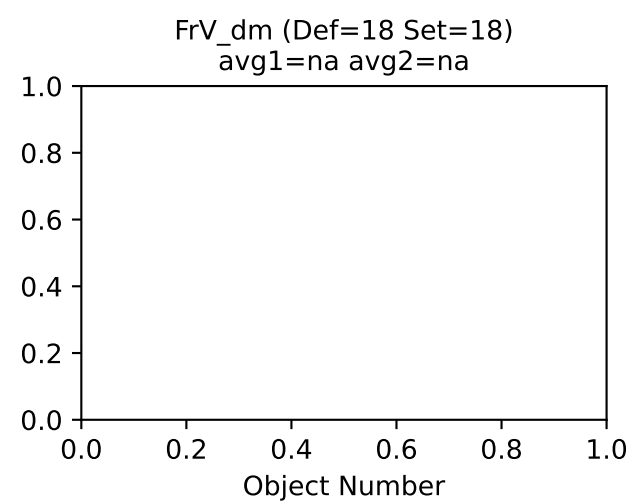
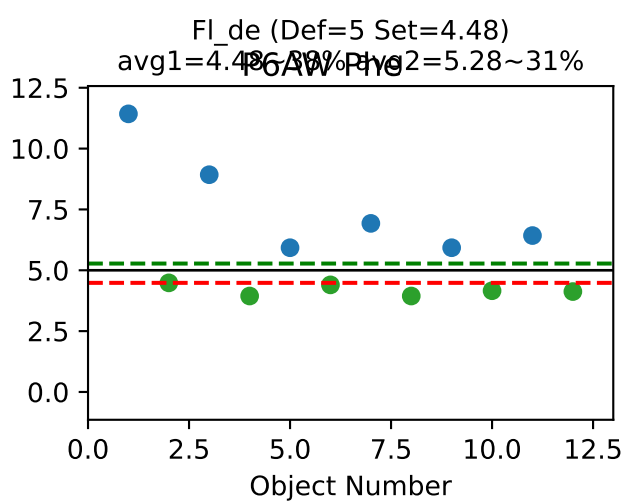
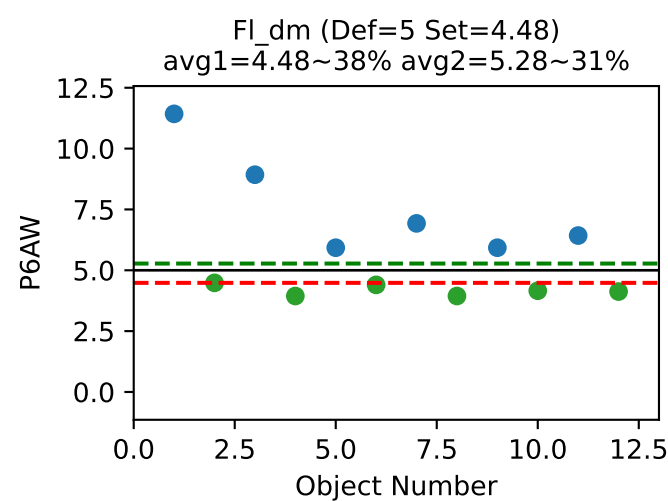
P6AW-106-11L10 (fit failed)



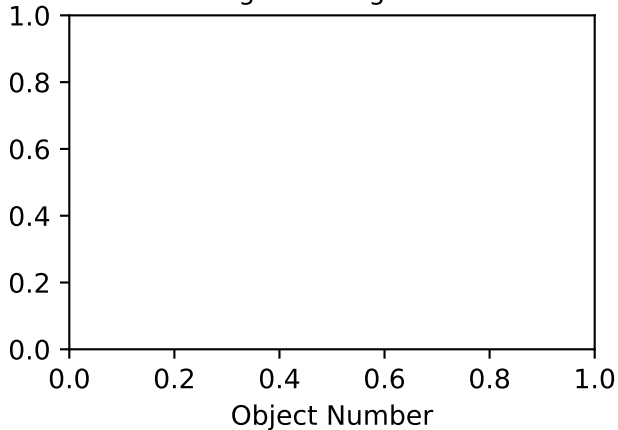
P6AW-106-11L7 (fit failed)

LfA

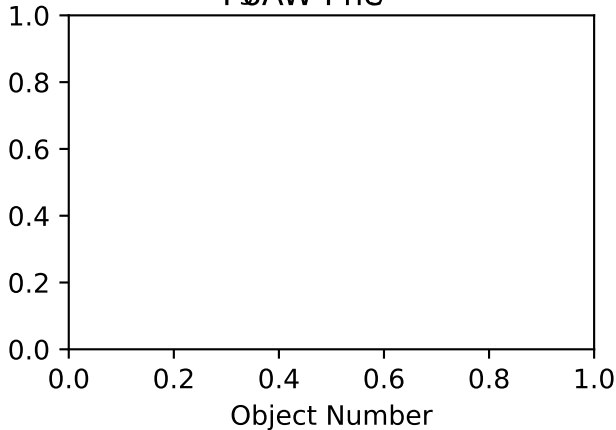




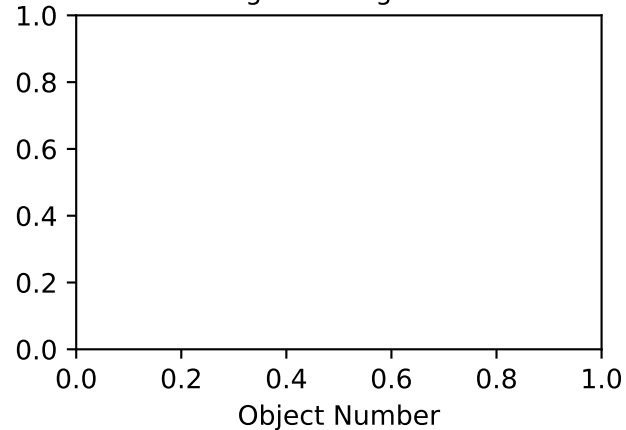
FGDdevStage (Def=0.7 Set=0.7)  
avg1=na avg2=na



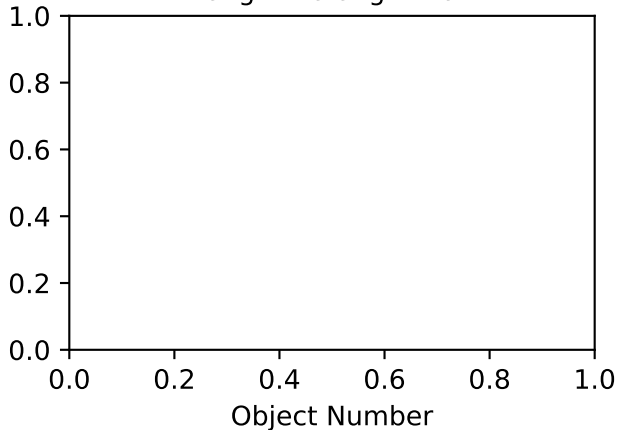
FMBDdevStage (Def=1.3 Set=1.3)  
avg1=na avg2=na



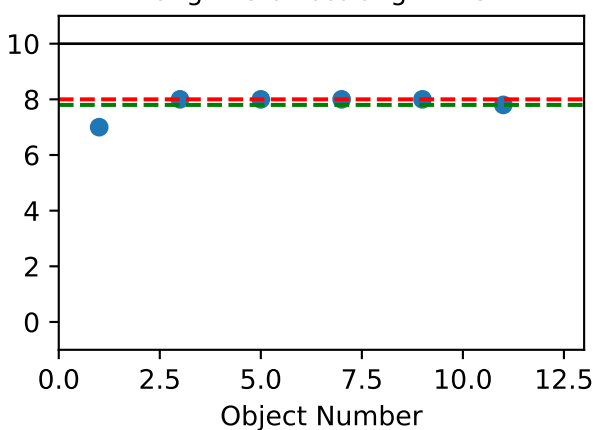
FMEDdevStage (Def=1.8 Set=1.8)  
avg1=na avg2=na



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

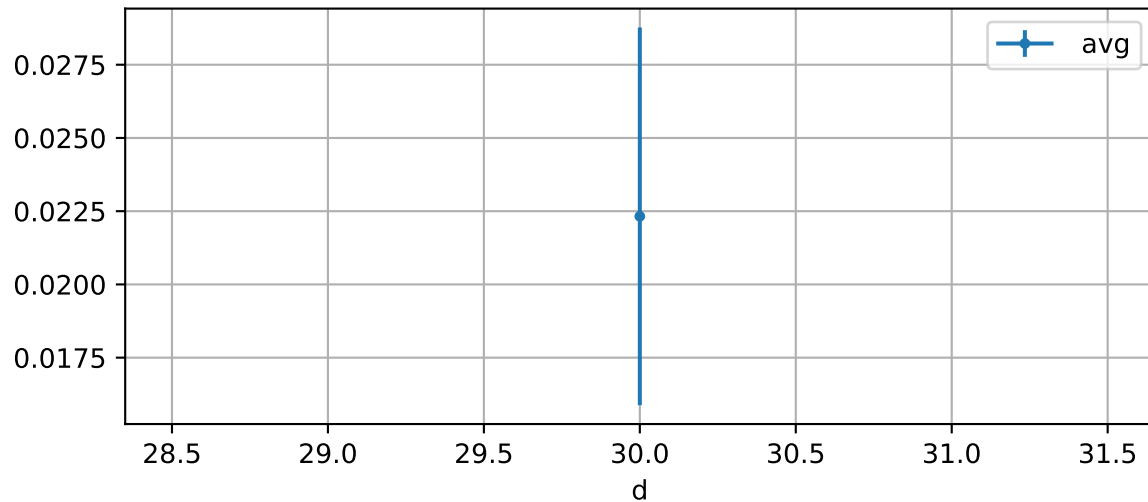


NNgen (Def=10 Set=8)  
avg1=8.0~0% avg2=7.8

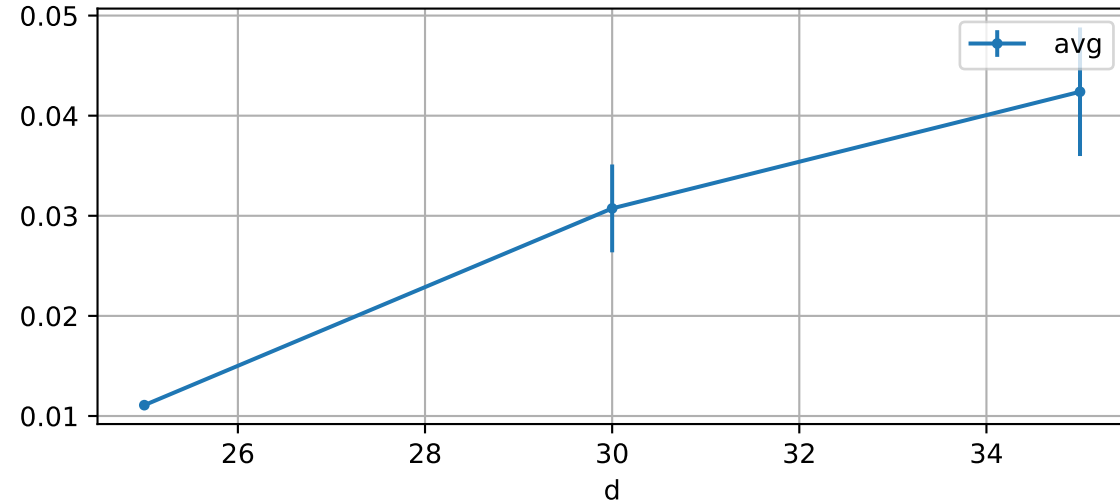


# LfA: avg vs. d at each age group

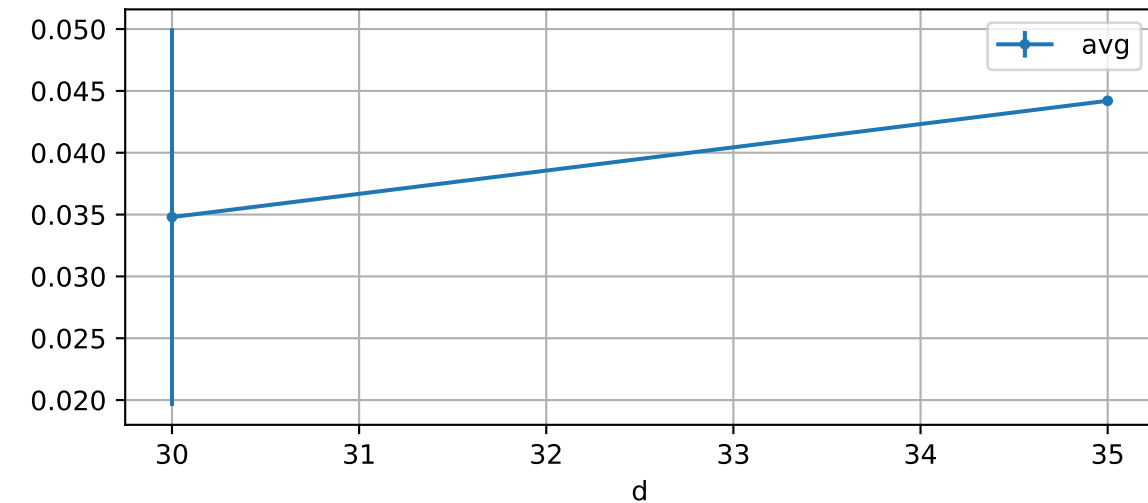
## age=15



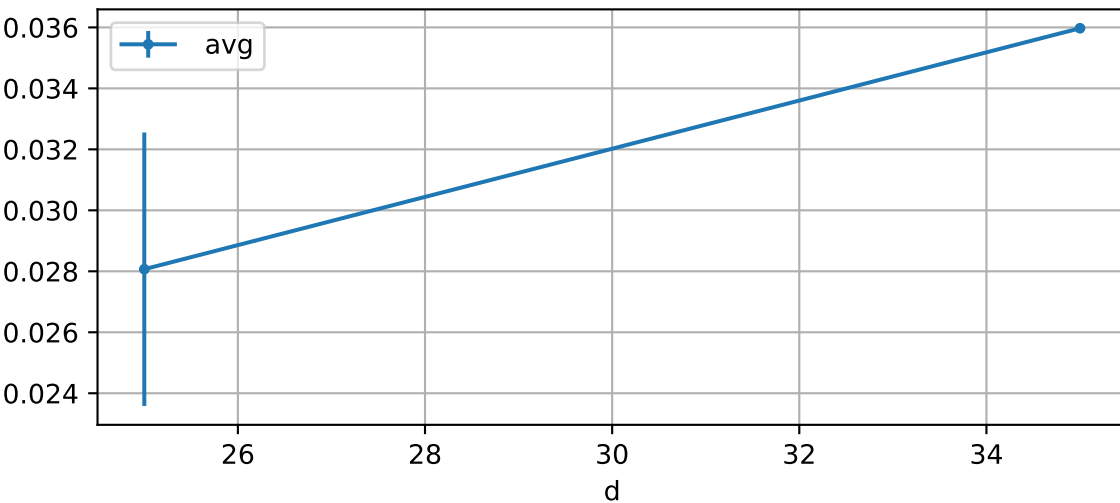
## age=20



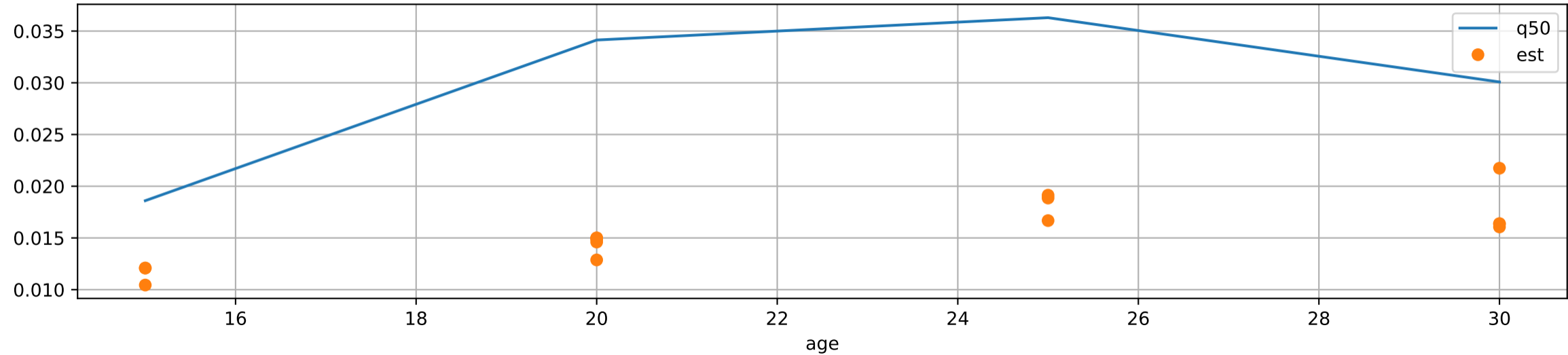
## age=25



## age=30

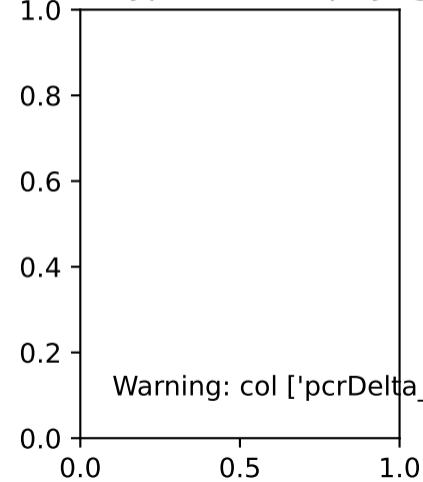


LfA: model est vs obsOv@Q50

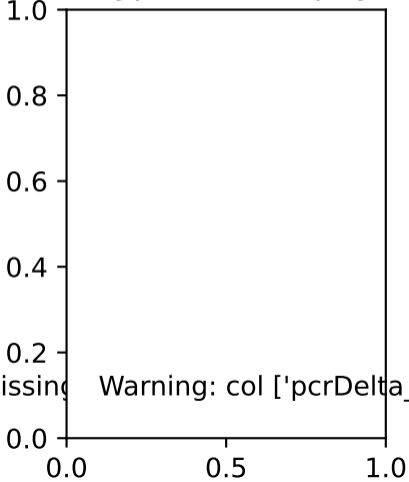


P6AW LfA: D\_5d\_LfA

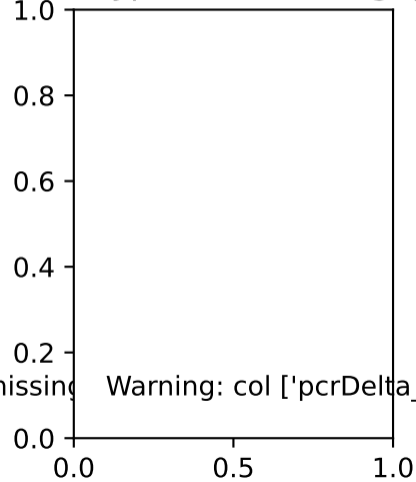
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay



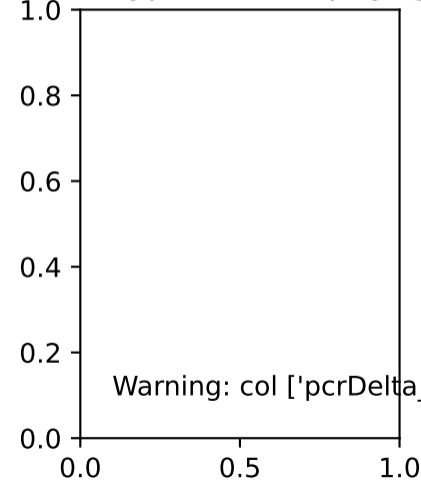
DeltaTypeAbbr=WeiAvgByD



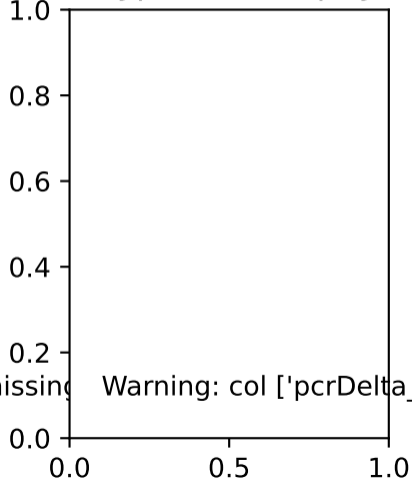


P6AW LfA: D\_15d\_LfA

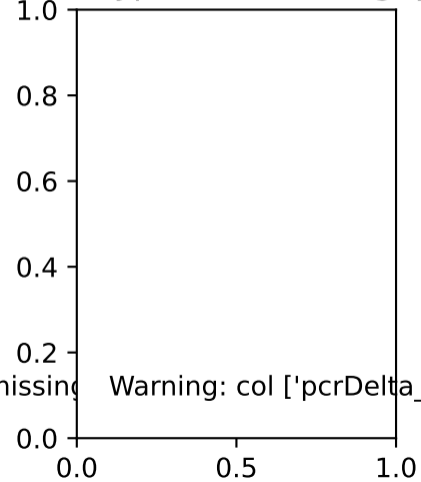
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=WeiAvgByD

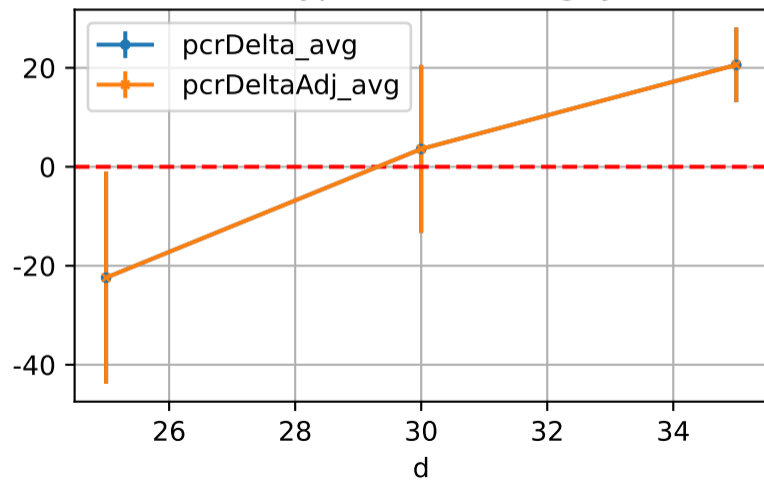
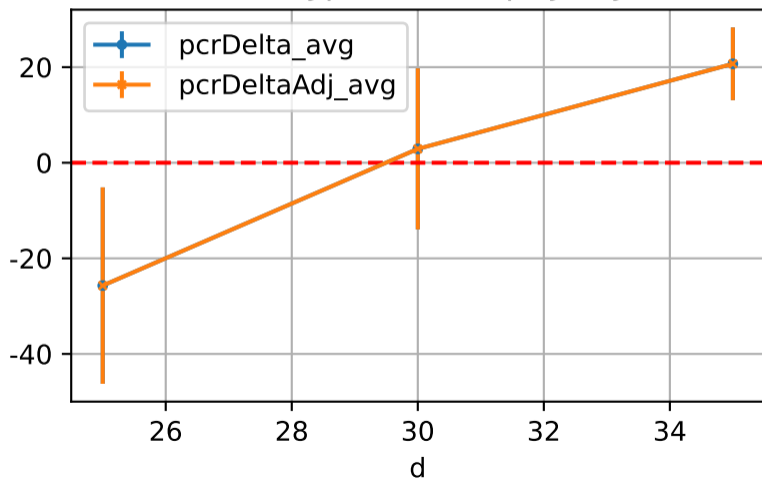
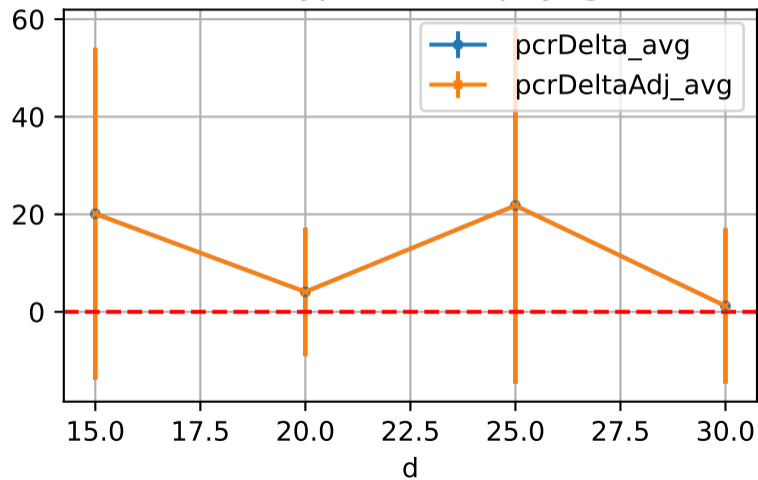


### P6AW LfA: D\_Q50\_LfA

DeltaTypeAbbr=GrpByAge

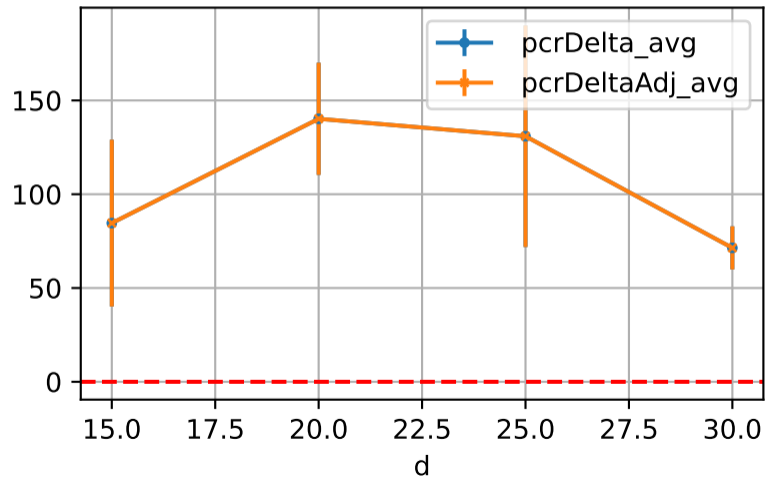
DeltaTypeAbbr=GrpByDay

DeltaTypeAbbr=WeiAvgByD

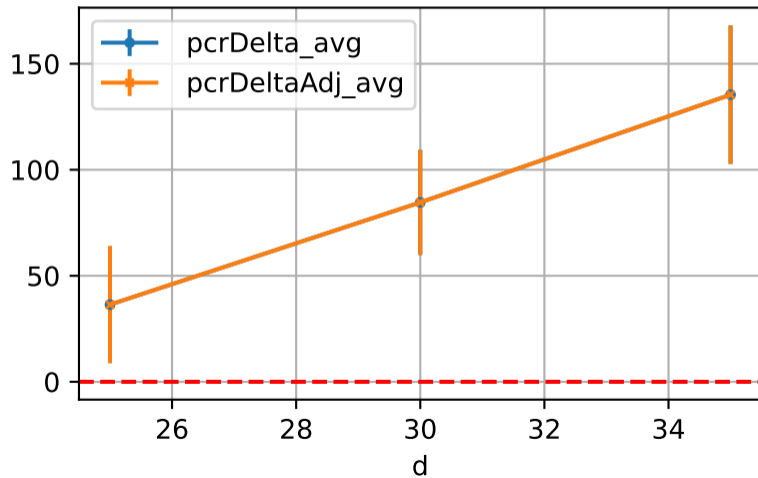


## P6AW LfA: D\_Est\_LfA

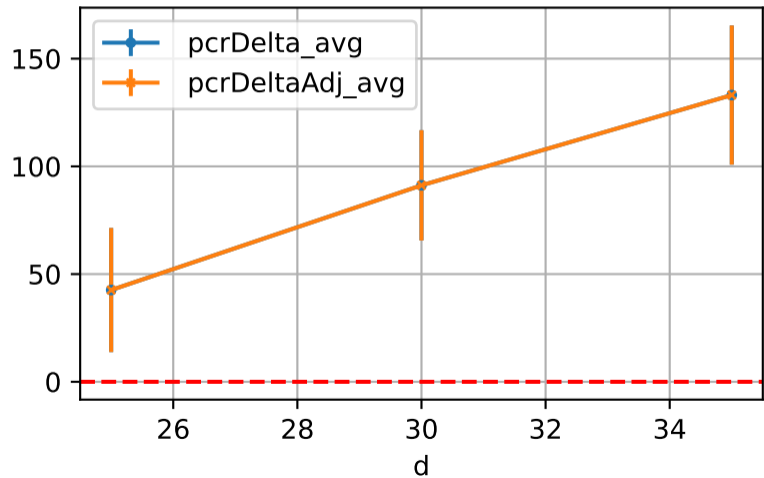
DeltaTypeAbbr=GrpByAge



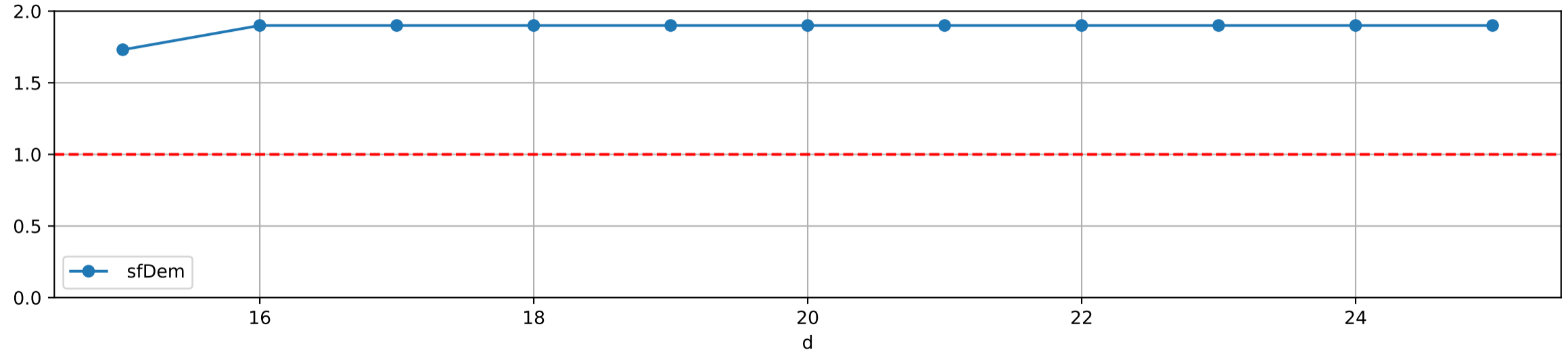
DeltaTypeAbbr=GrpByDay



DeltaTypeAbbr=WeiAvgByD



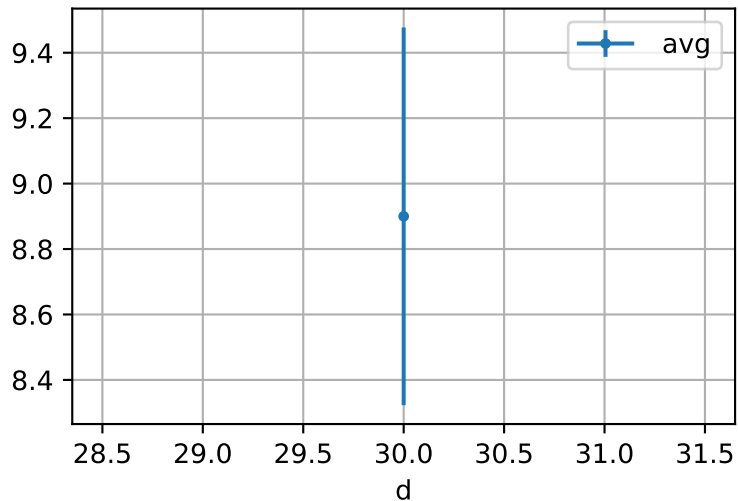
LfA: sfDem



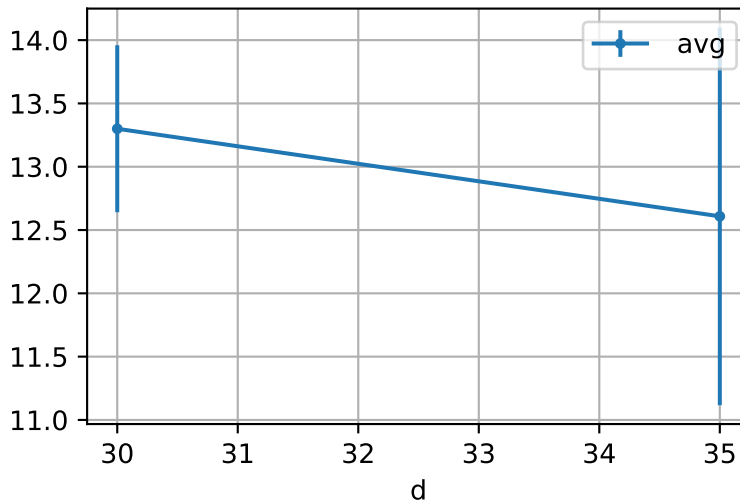


# NdD: avg vs. d at each age group

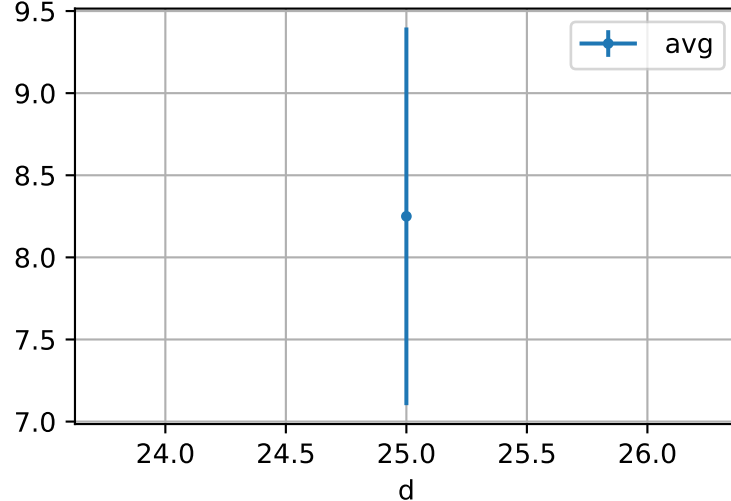
## age=15



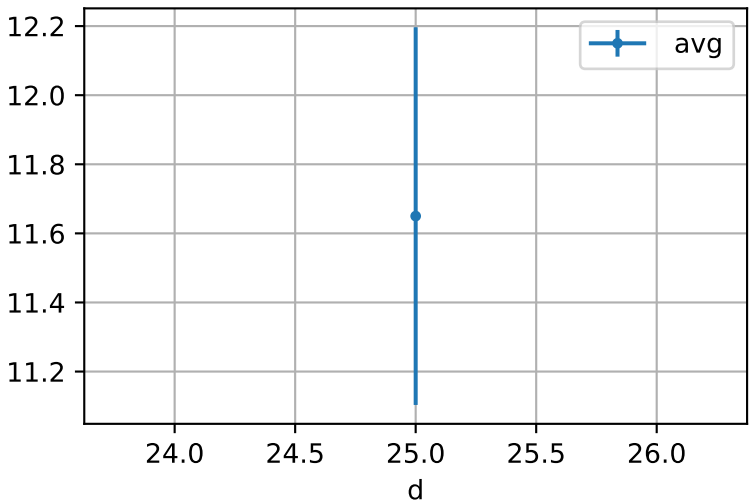
## age=20



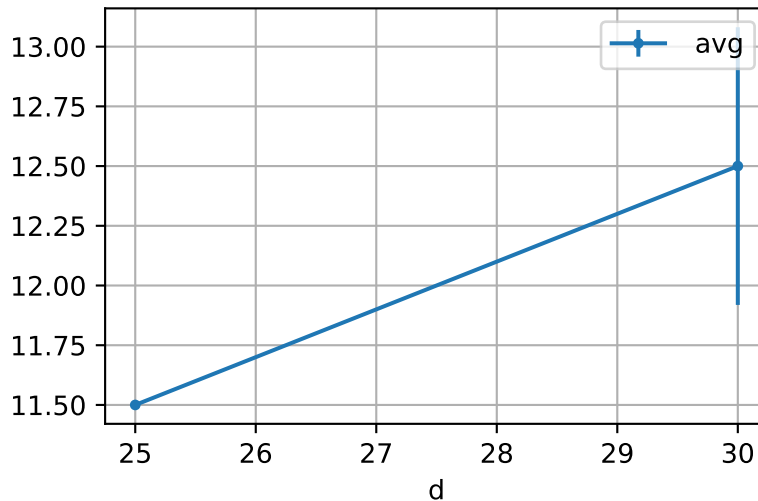
## age=25



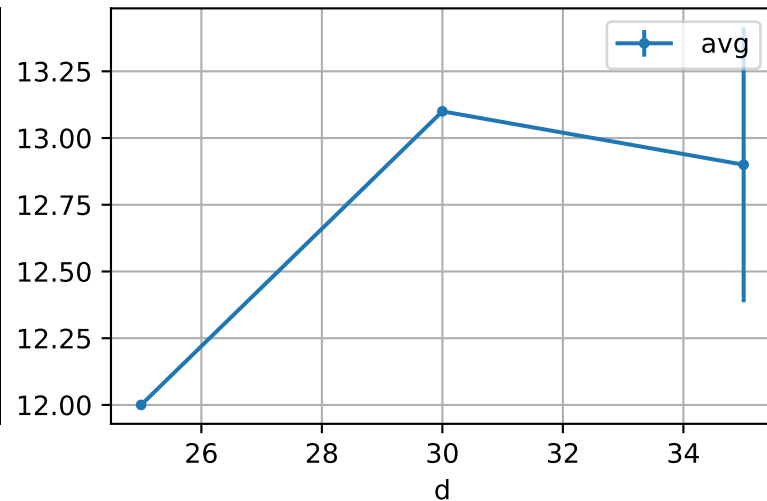
## age=30



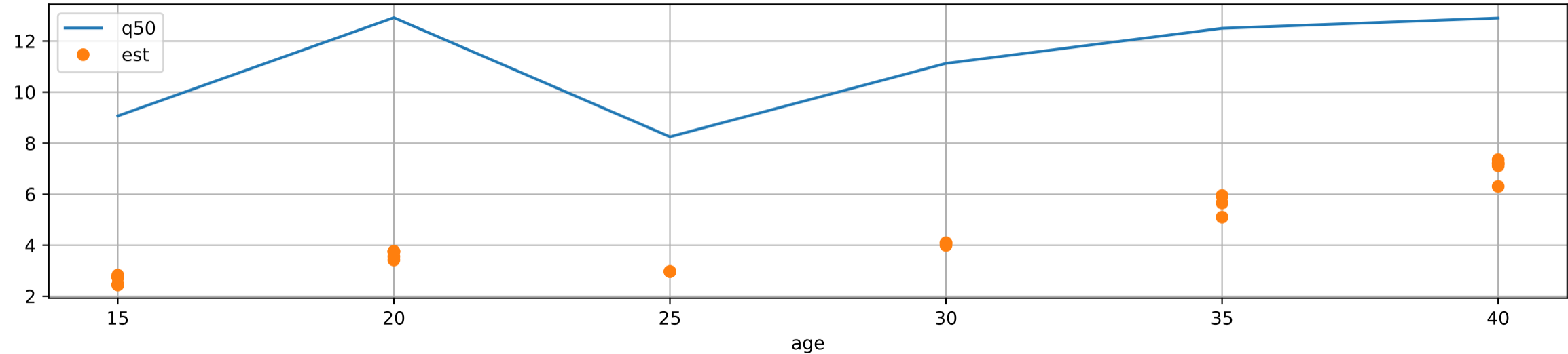
## age=35



## age=40

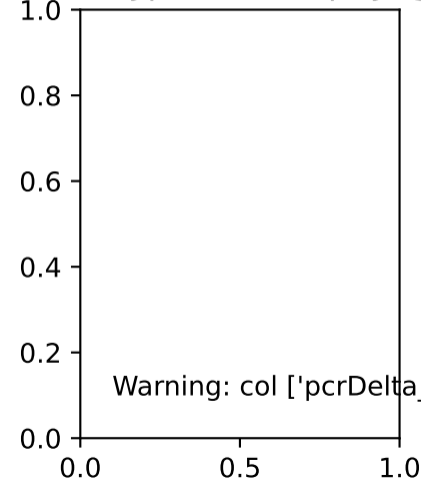


NdD: model est vs obsOv@Q50

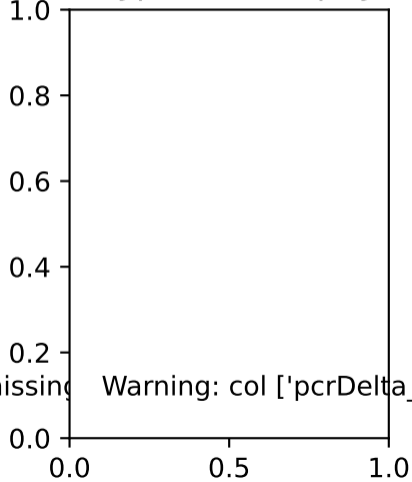


P6AW NdD: D\_5d\_NdD

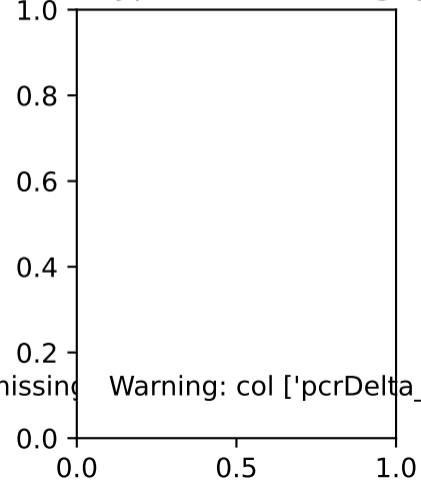
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay



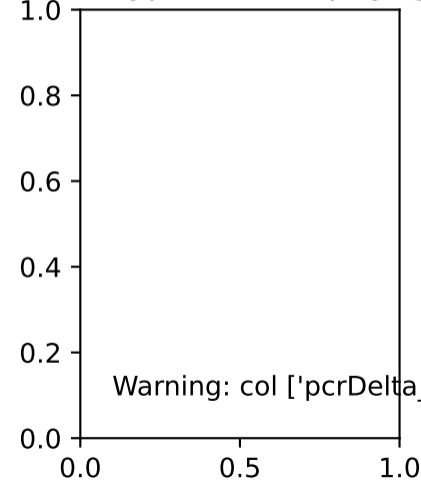
DeltaTypeAbbr=WeiAvgByD



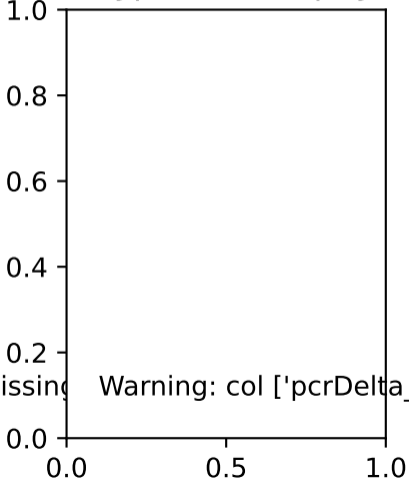


P6AW NdD: D\_15d\_NdD

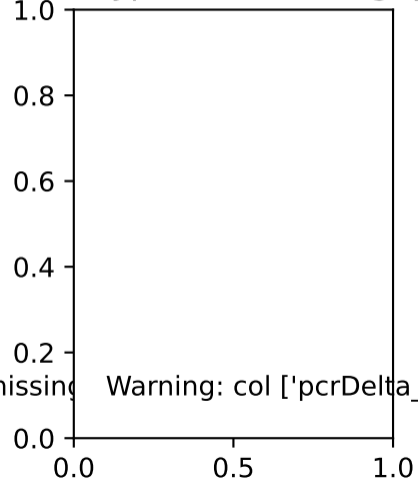
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

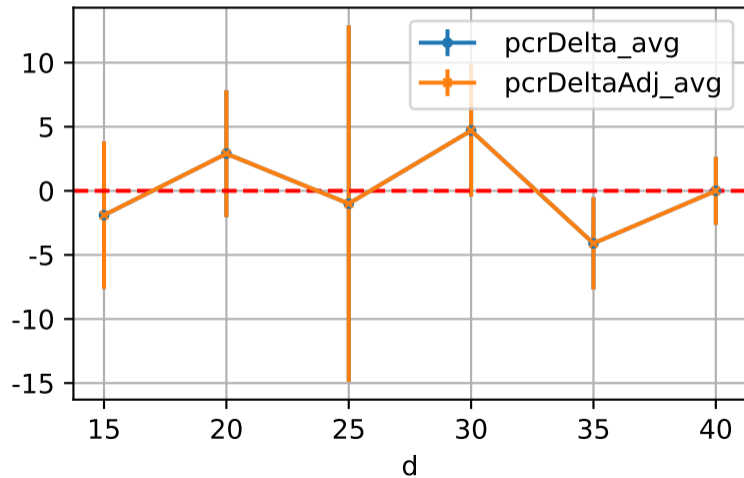


DeltaTypeAbbr=WeiAvgByD

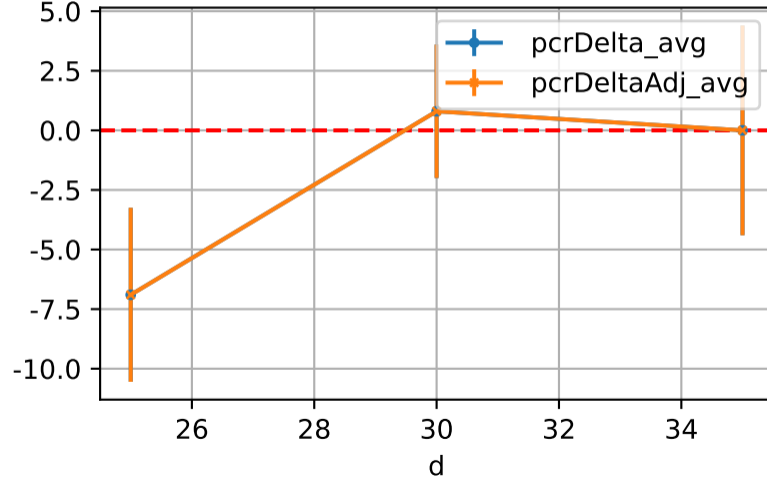


## P6AW NdD: D\_Q50\_NdD

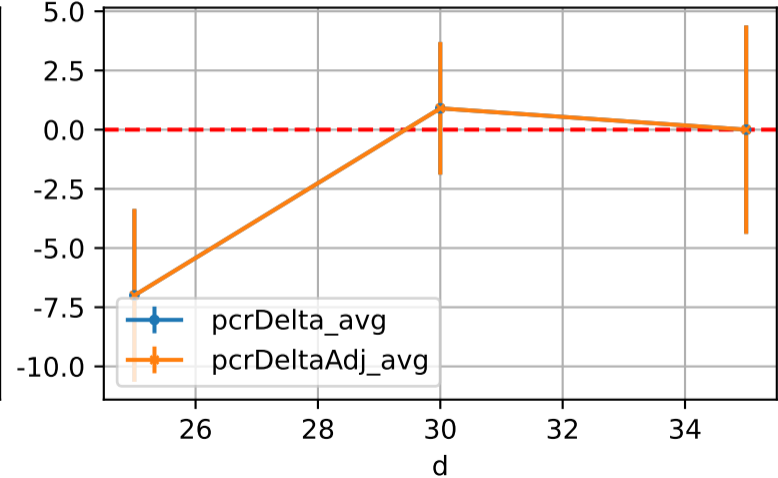
DeltaTypeAbbr=GrpByAge



DeltaTypeAbbr=GrpByDay

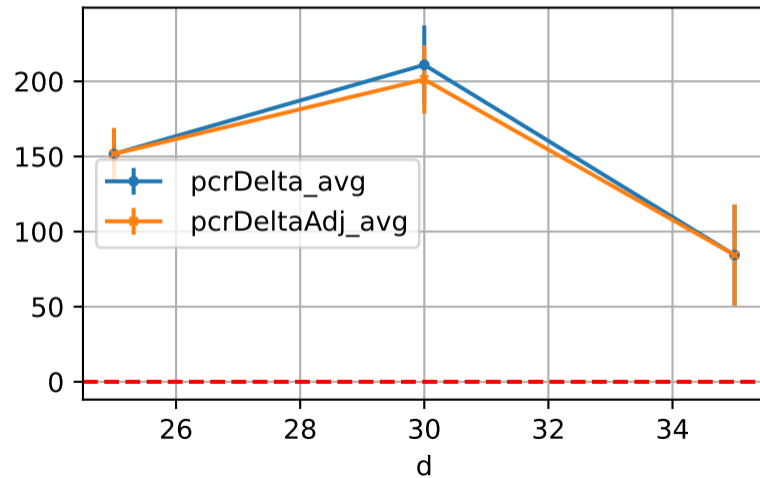


DeltaTypeAbbr=WeiAvgByD

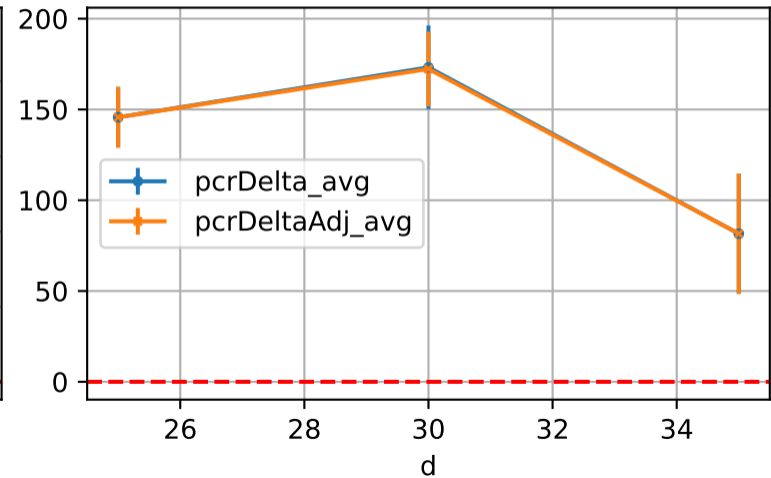


## P6AW NdD: D\_Est\_NdD

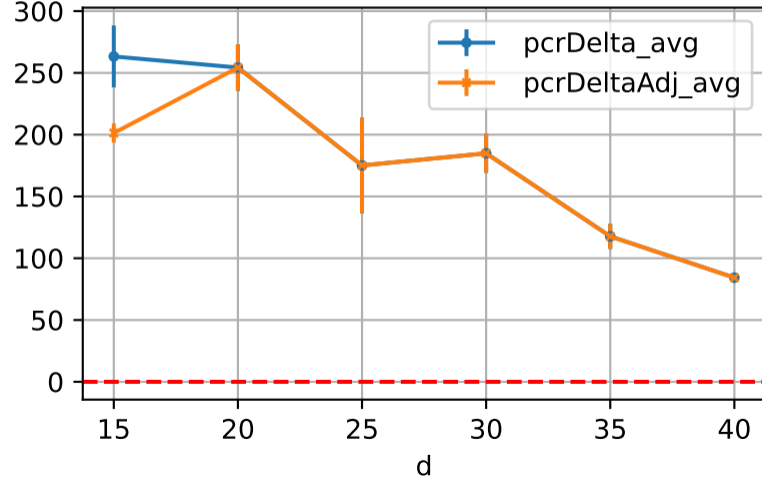
DeltaTypeAbbr=GrpByDay



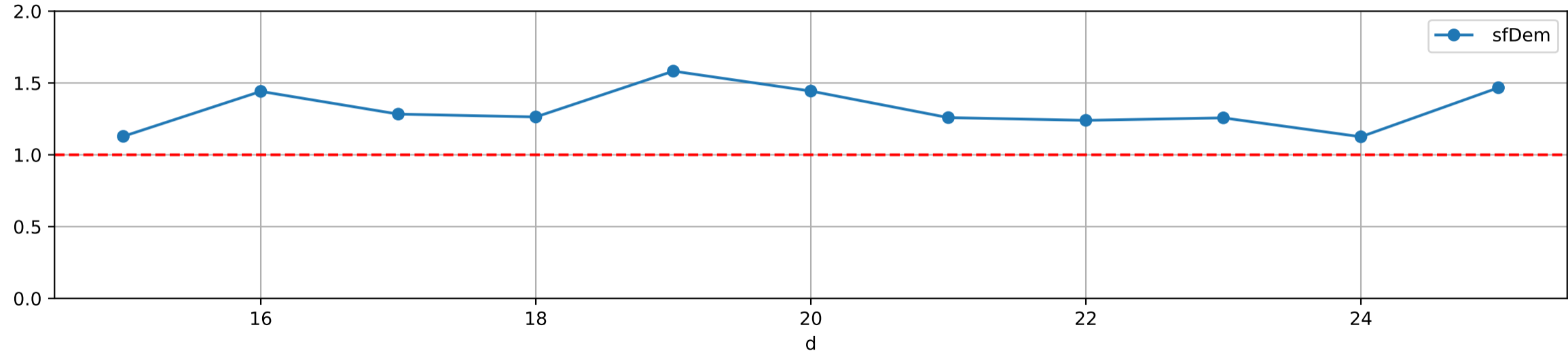
DeltaTypeAbbr=WeiAvgByD

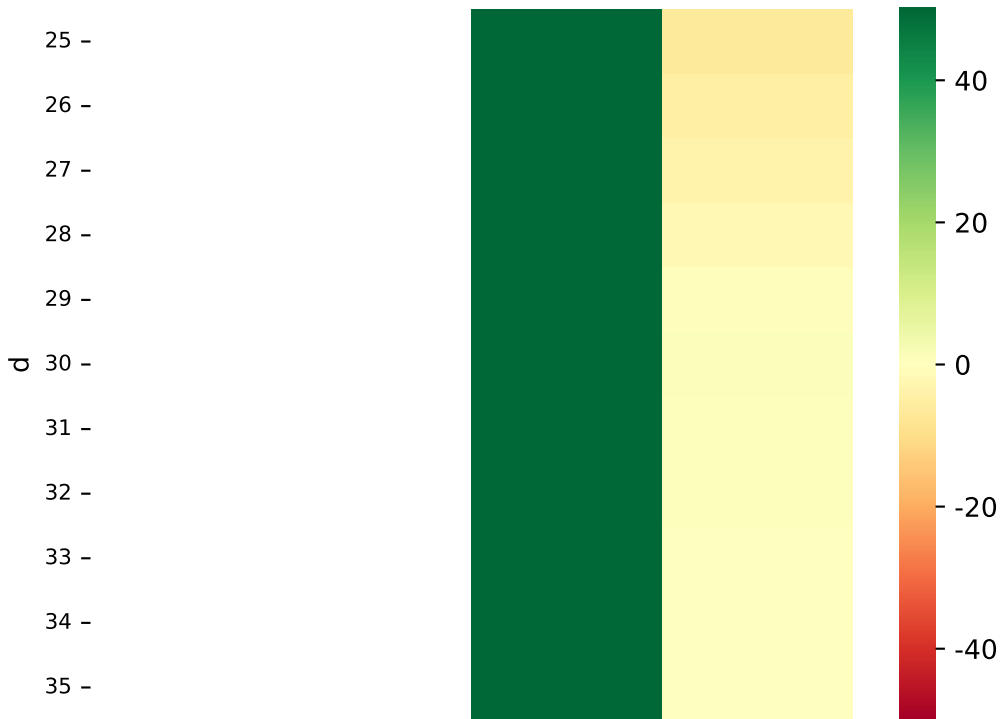


DeltaTypeAbbr=GrpByAge

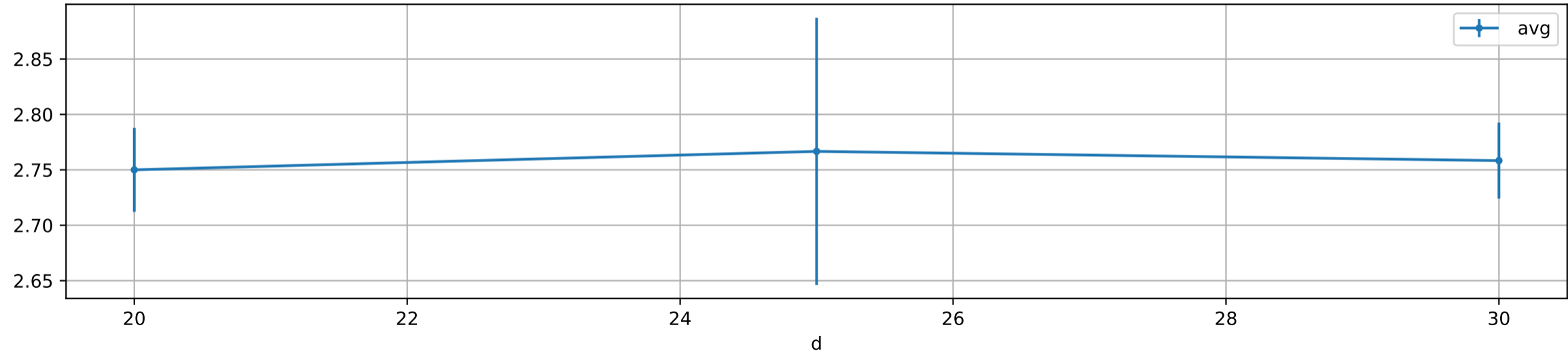


NdD: sfDem

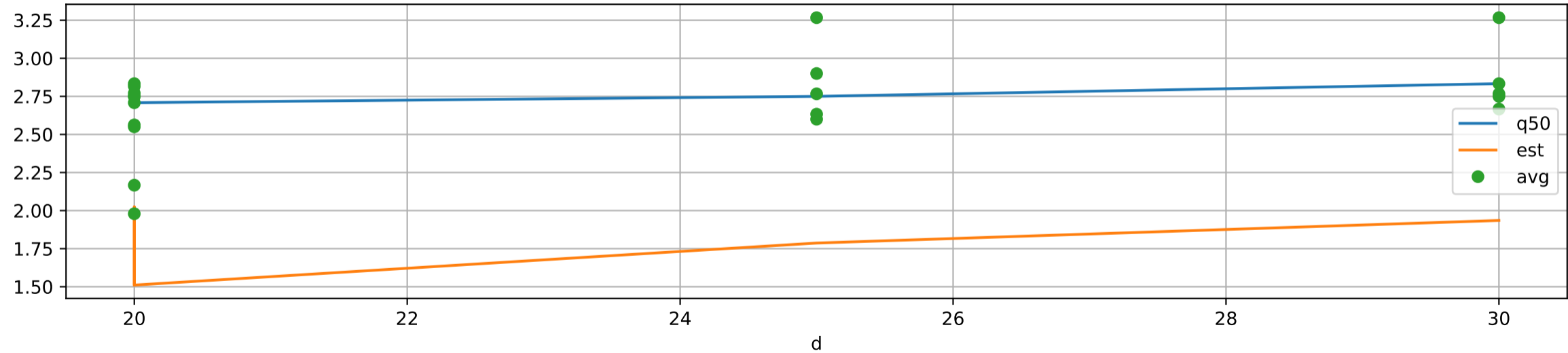




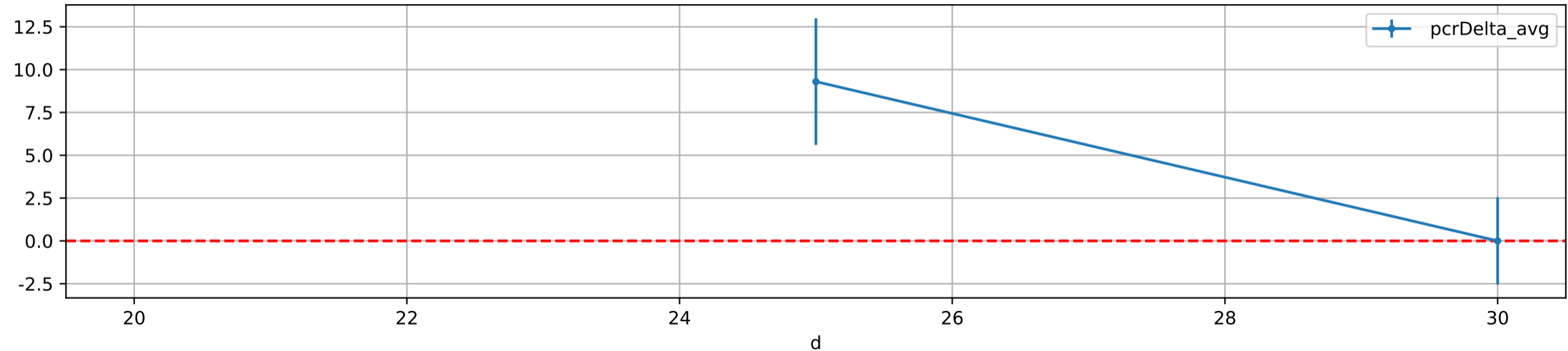
dStH: avg vs. d



dStH: obsAvg vs obsOv@Q50

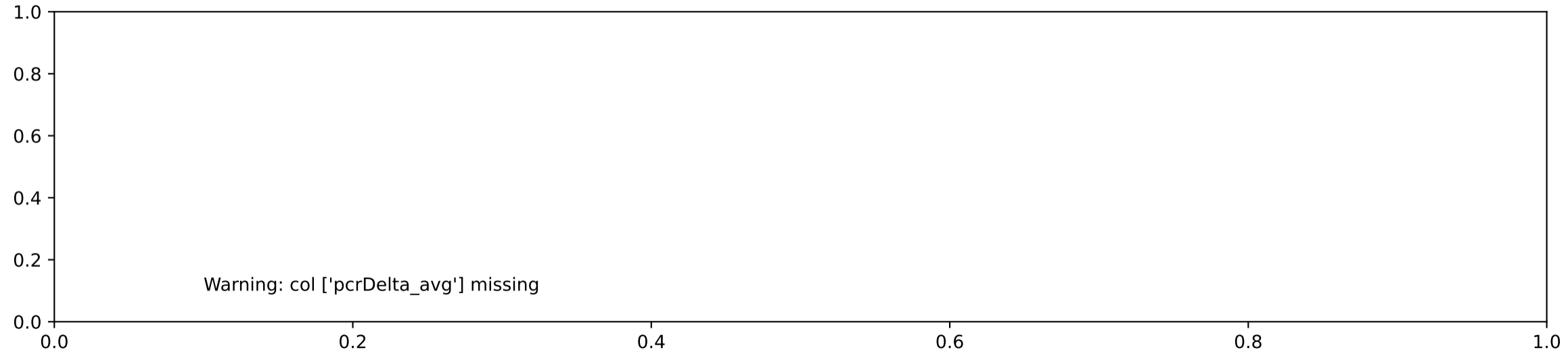


dStH: D\_5d\_StH

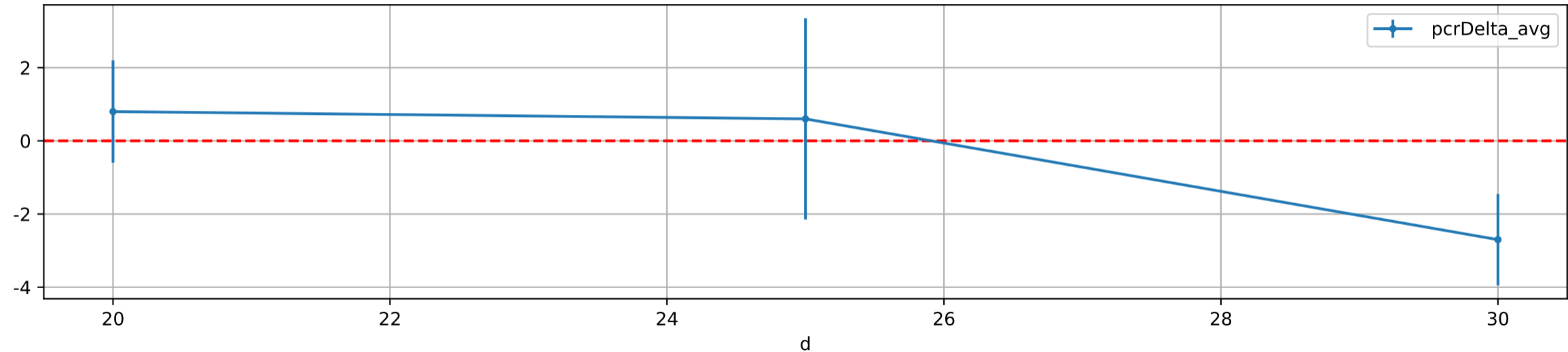




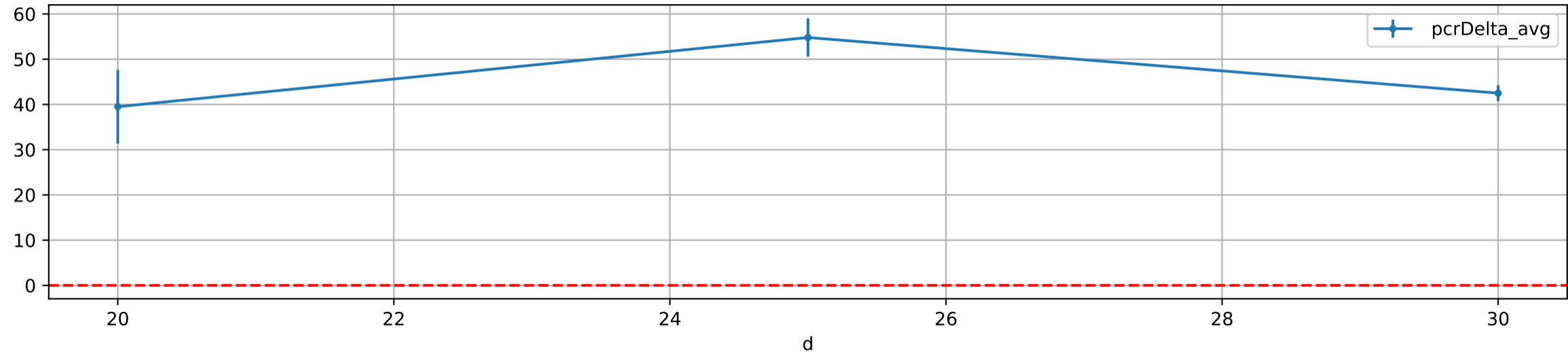
dStH: D\_15d\_StH



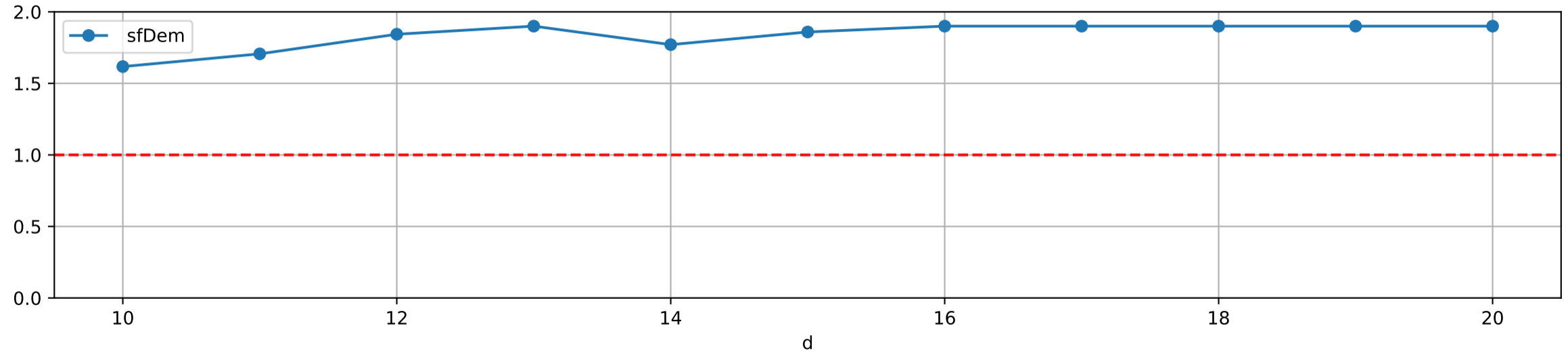
dStH: D\_Q50\_StH



dStH: D\_Est\_StH

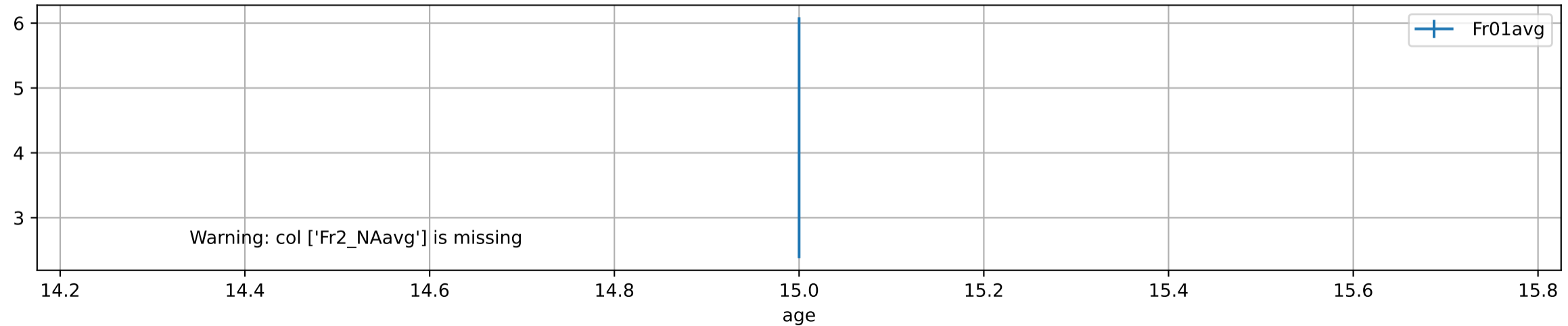


dStH: sfDem



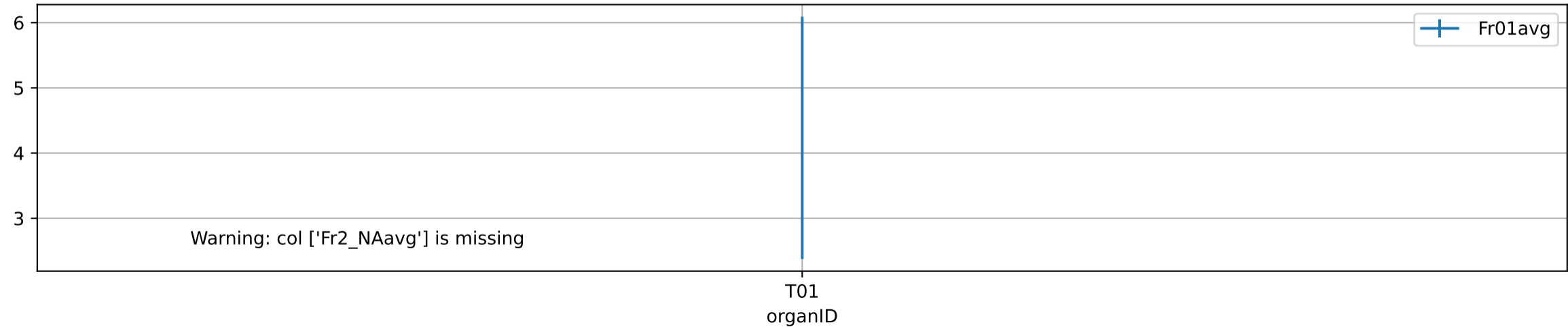


FrV: Fr01 vs Fr2\_NA at each truss  
organID=T01

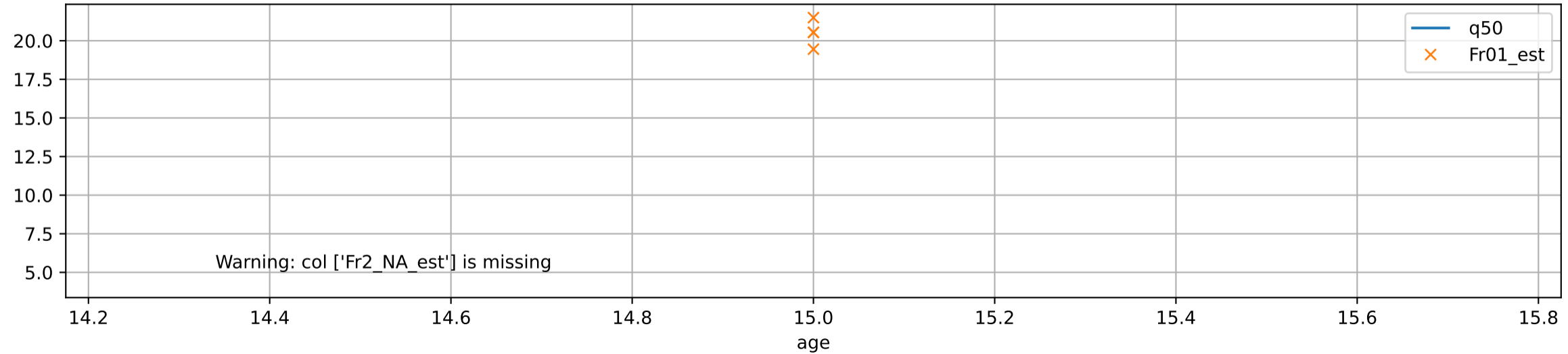


# FrV trend at each age

age=15

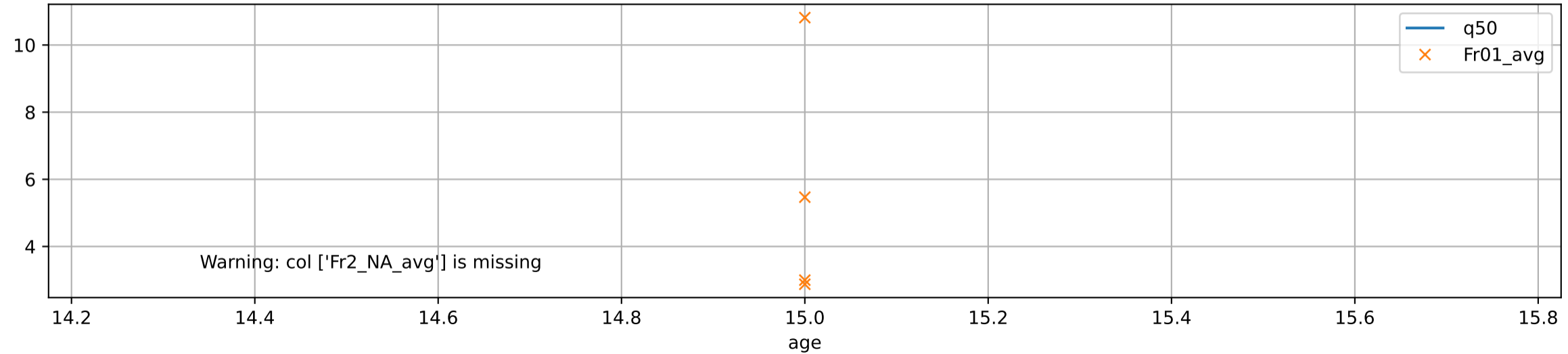


FrV: model Est vs obsFrV at Q90



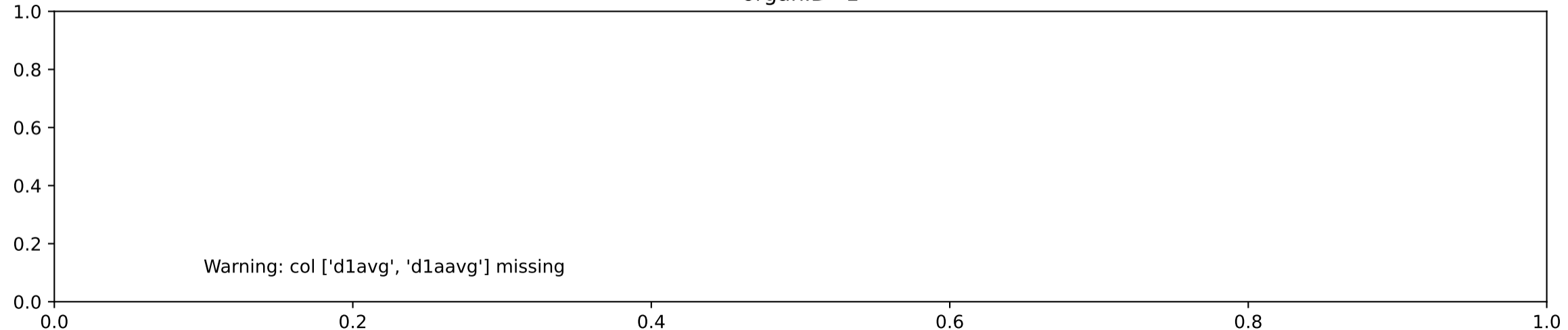


FrV: obsFrV vs obsFrV@Q90



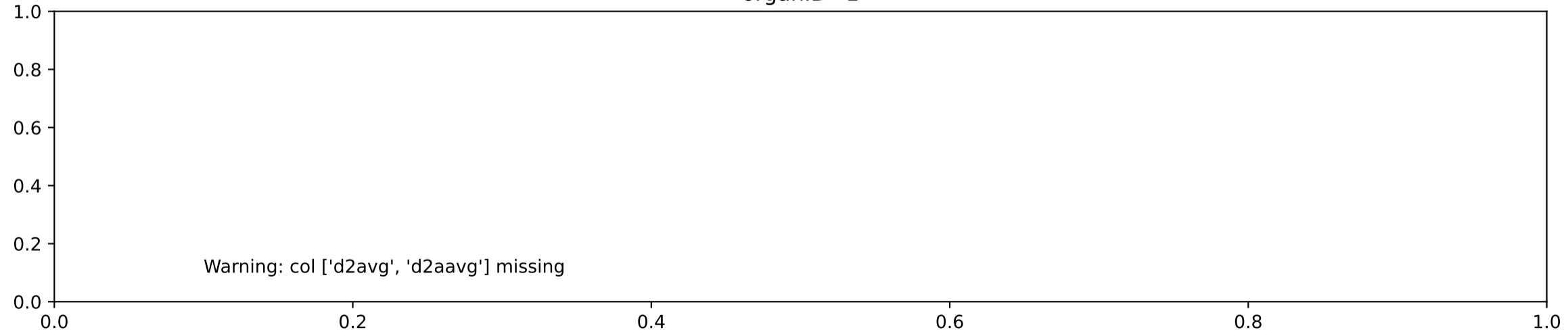
FrV: D\_Fr1\_FrV  
organID=1

Warning: col ['d1avg', 'd1aavg'] missing

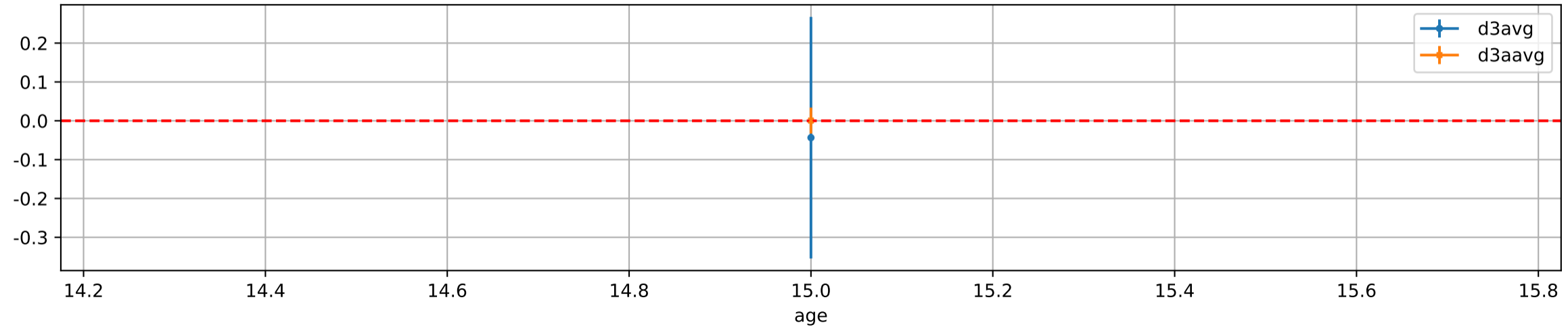


FrV: D\_Ts\_FrV  
organID=1

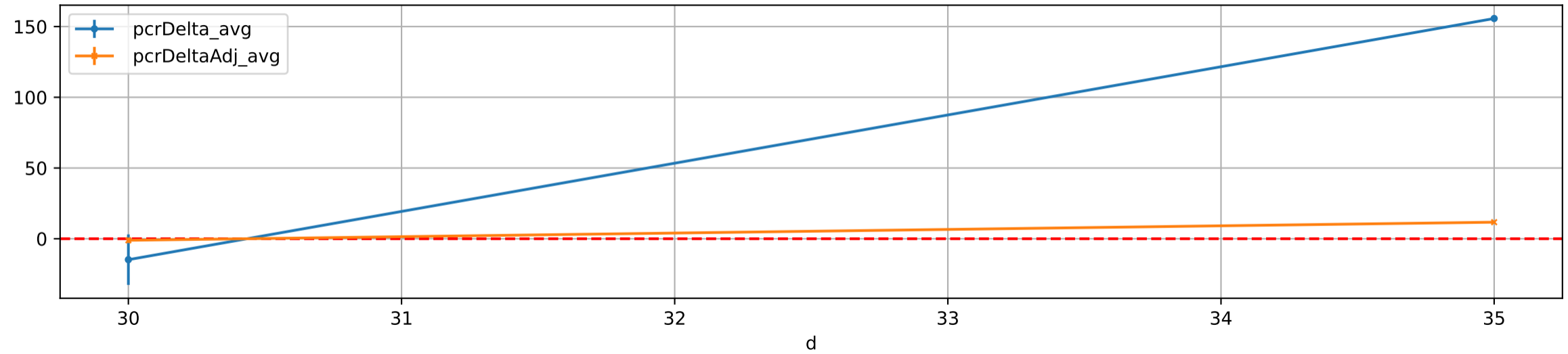
Warning: col ['d2avg', 'd2aavg'] missing



FrV: D\_Q50\_FrV  
organID=1



P6AW FrV: D\_Q50\_FrV



FrV: D\_Est\_FrV  
organID=1

