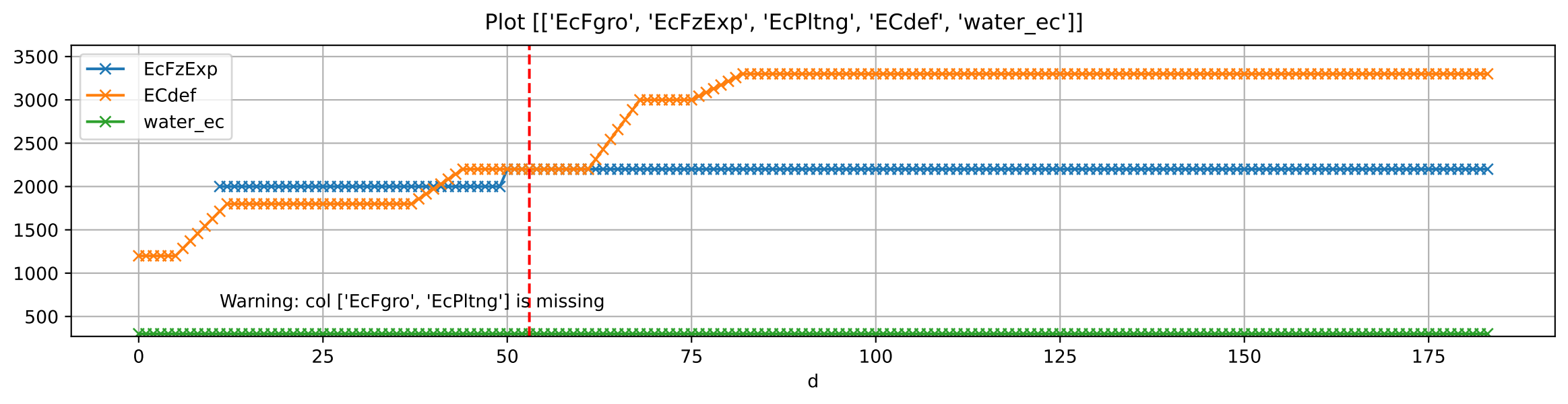
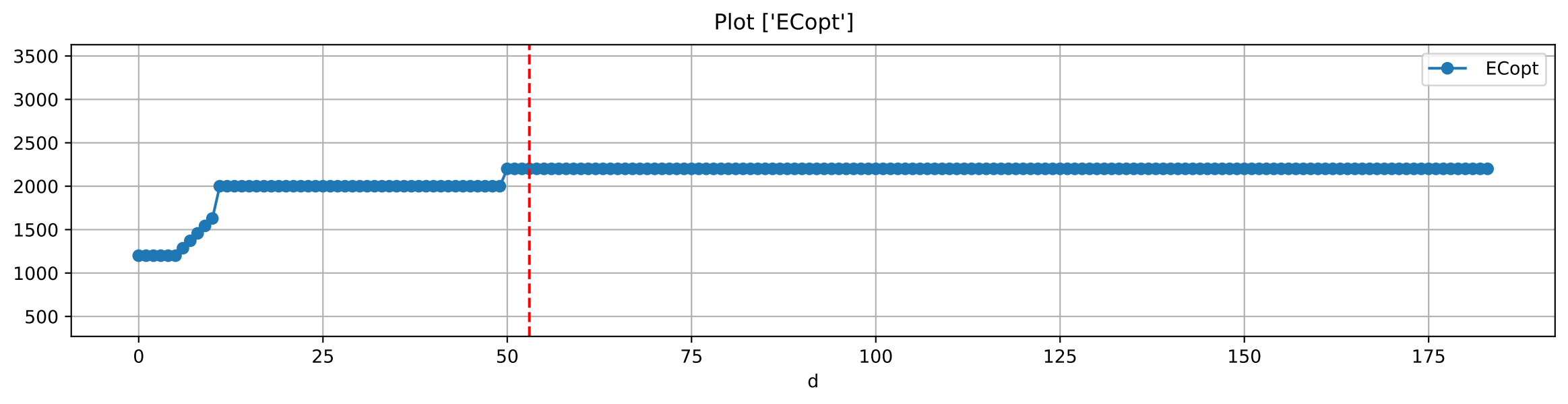
FgArea: ['W']
NC11 P10
2025-05-23 (Day 53)


Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'water_ec']]
EcFzExp
ECdef
water_ec
Warning: col ['EcFgro', 'EcPltng'] is missing
3500
3000
2500
2000
1500
1000
500
0
25
50
75
100
125
150
175
d


Plot ['ECopt']
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25
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75
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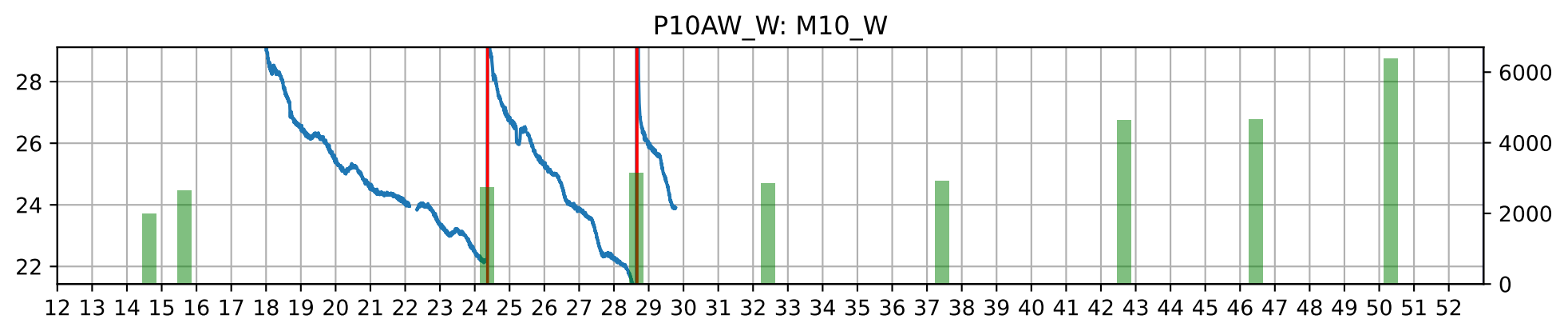
125
150
175
d


P10AW_W: M10_W
28
26
24
22
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4000
2000
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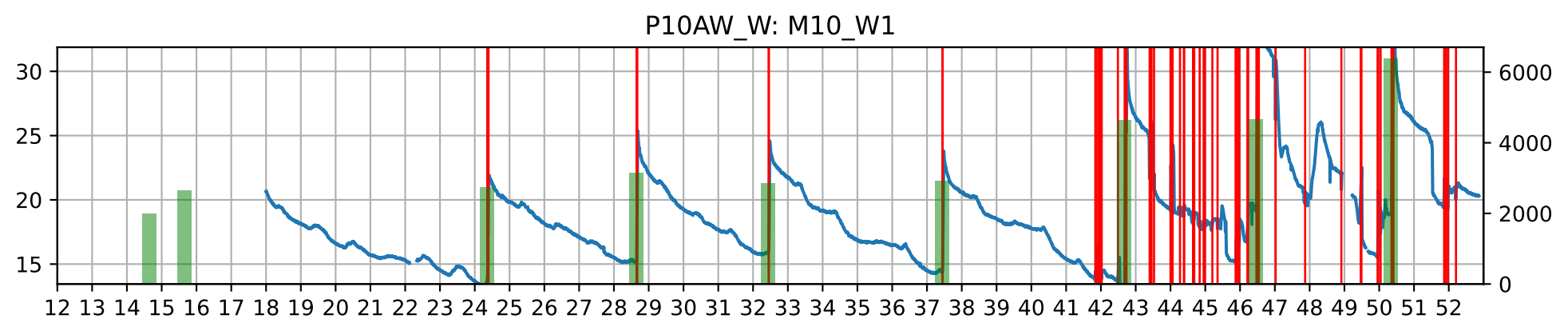
P10AW_W: M10_W1
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25
20
15
6000
4000
2000
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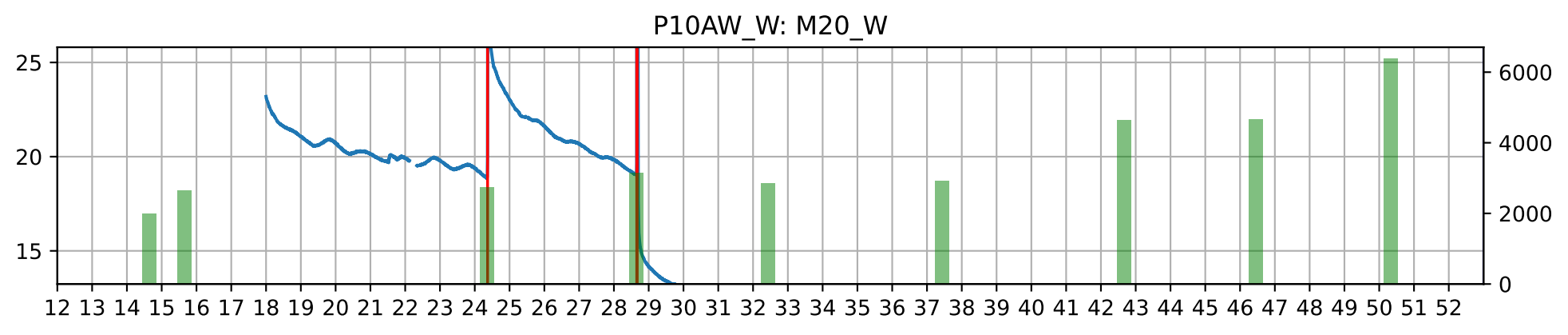
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20
15
6000
4000
2000
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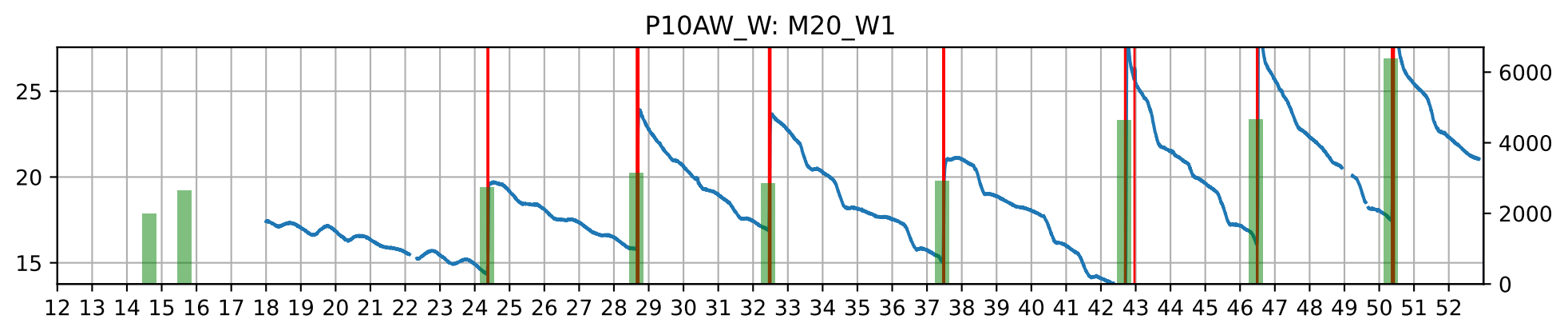
12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52


P10AW_W: M20_W1
25
20
15
6000
4000
2000
0
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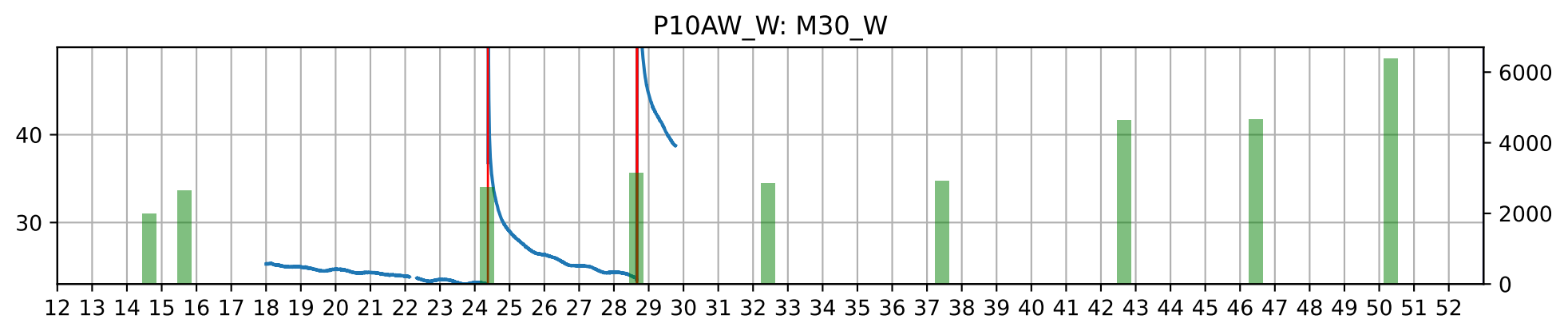
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30
6000
4000
2000
0
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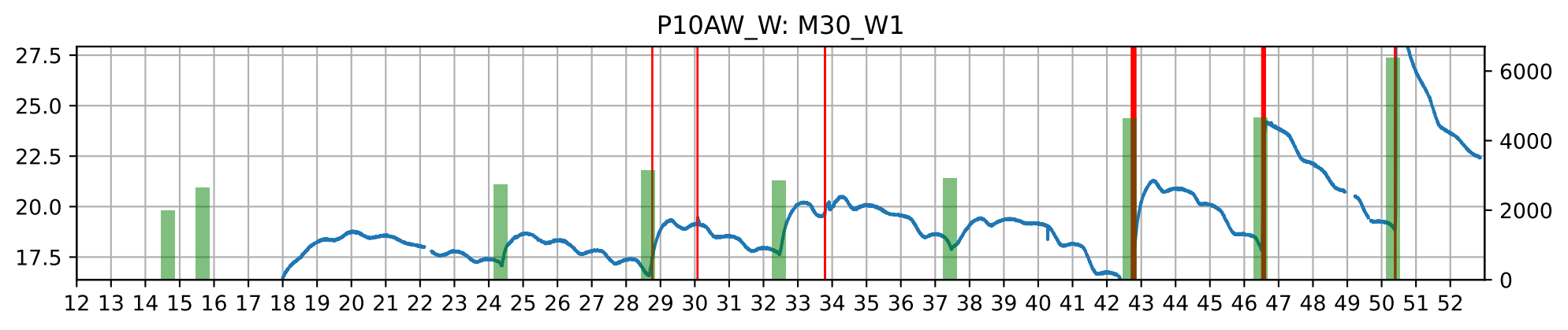
P10AW_W: M30_W1
27.5
25.0
22.5
20.0
17.5
6000
4000
2000
0
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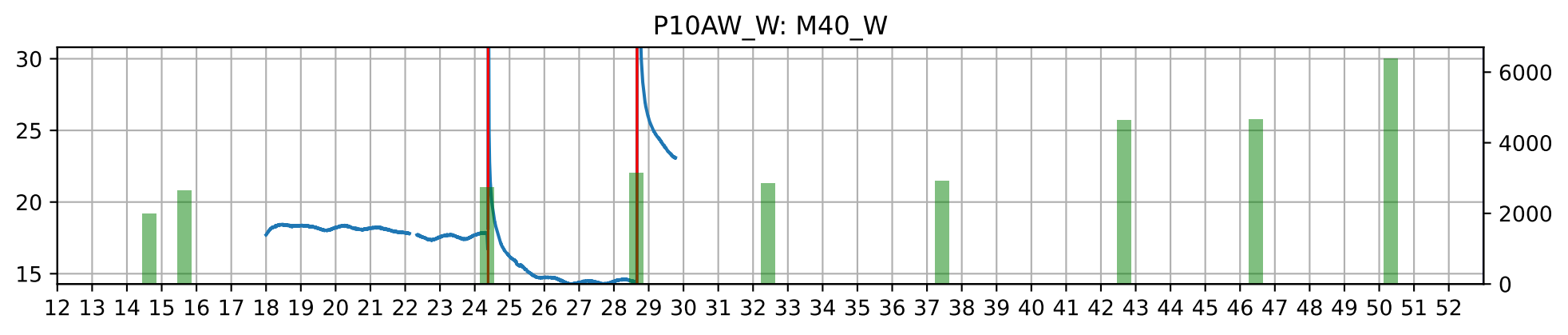
P10AW_W: M40_W
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25
20
15
6000
4000
2000
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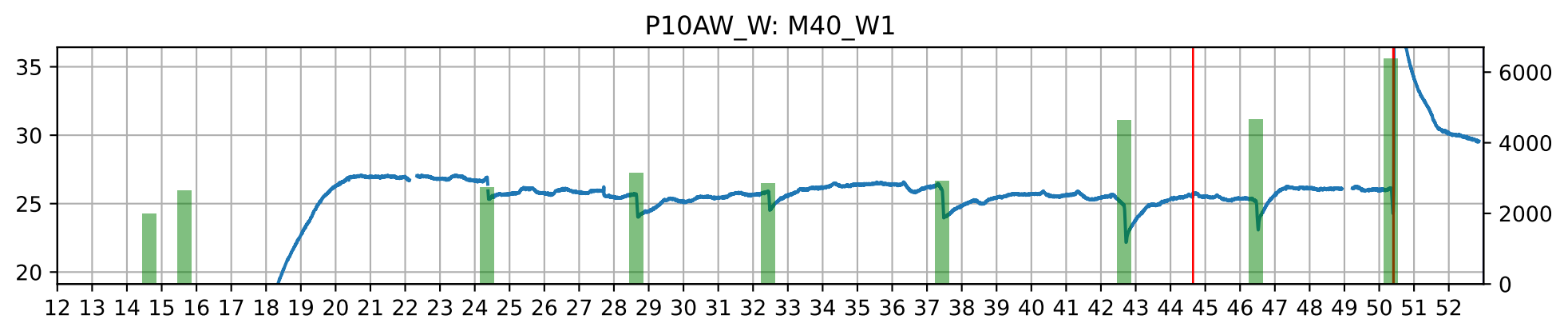
P10AW_W: M40_W1
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25
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2000
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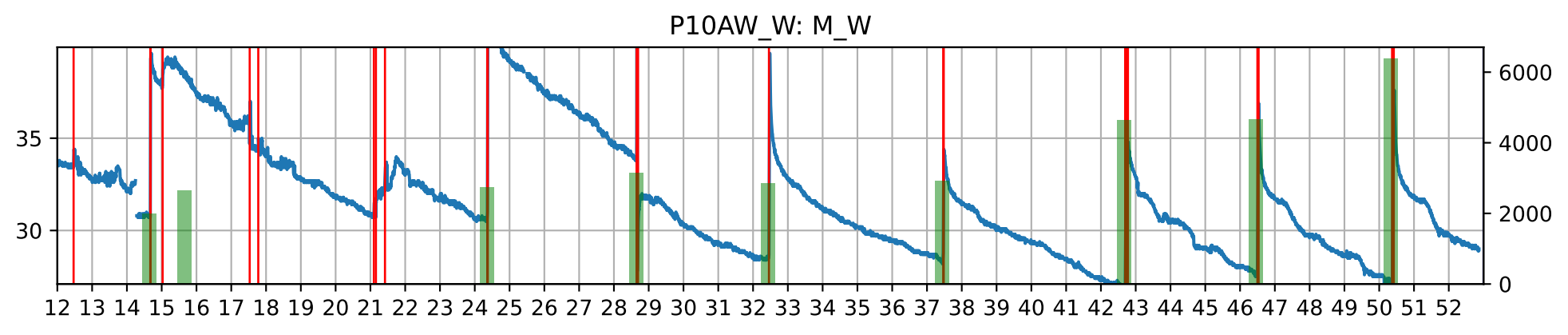
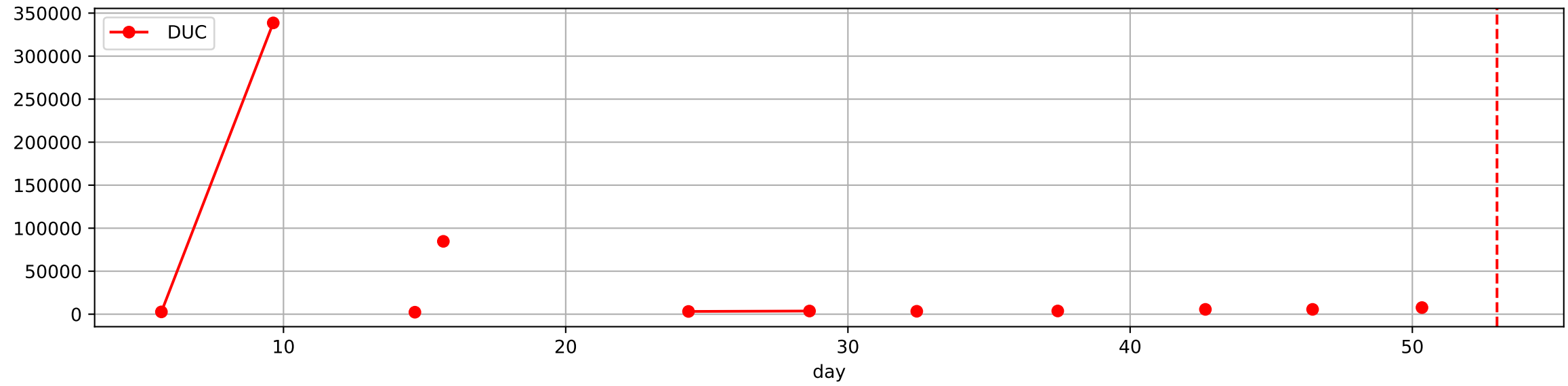

P10AW_W: M_W
35
30
6000
4000
2000
0
12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52

plot dfFv


DUC
350000
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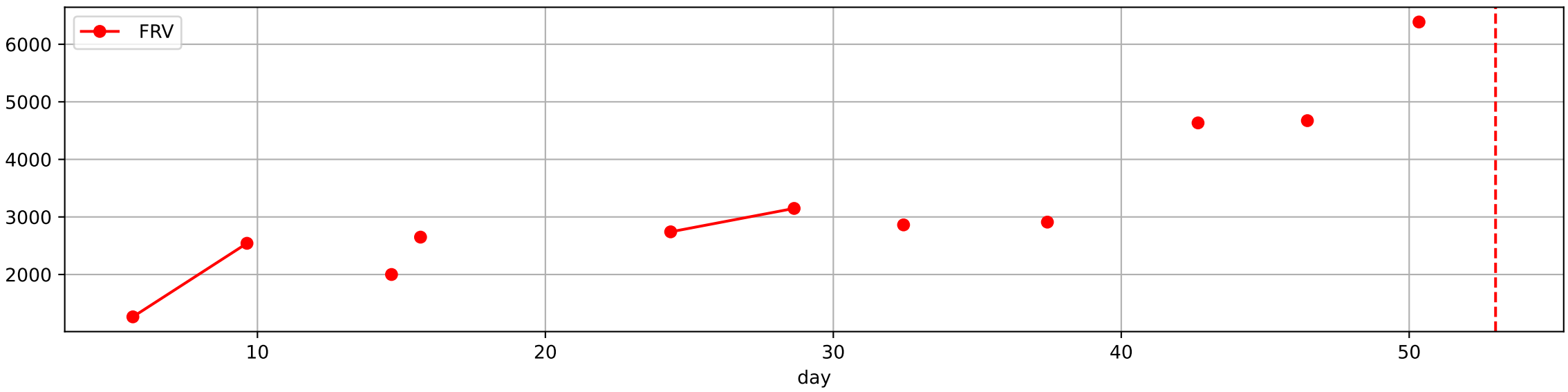
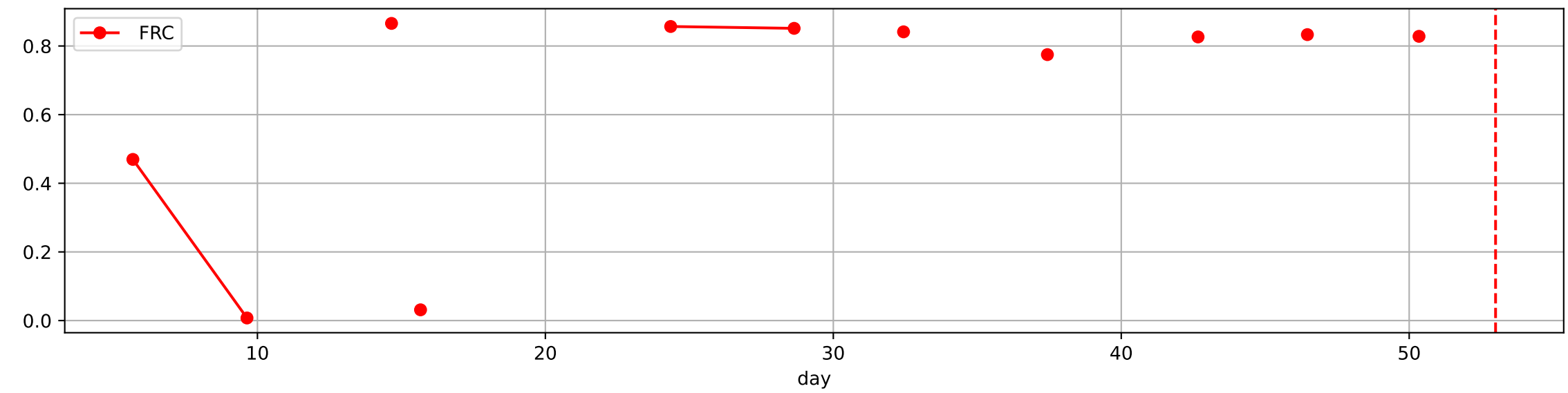
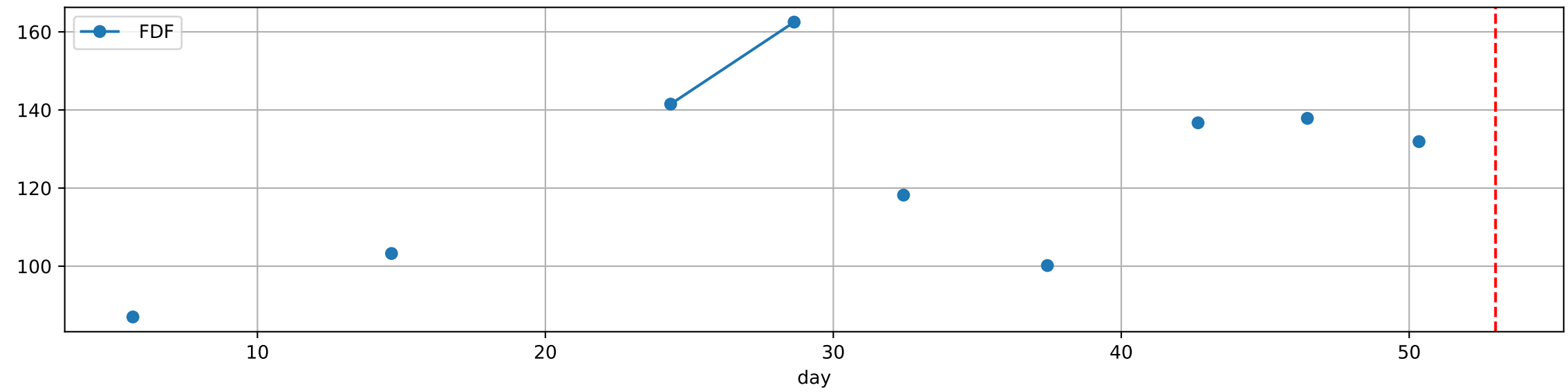
250000
200000
150000
100000
50000
0
10
20
30
40
50
day


FRV
6000
5000
4000
3000
2000
10
20
30
40
50
day


FRC
0.8
0.6
0.4
0.2
0.0
10
20
30
40
50
day


FDF
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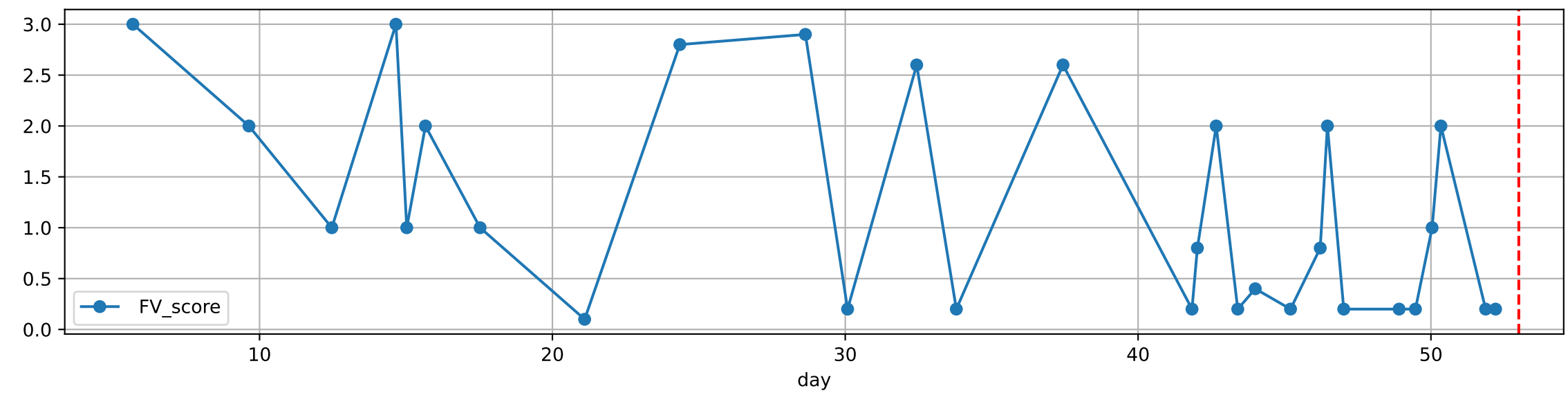
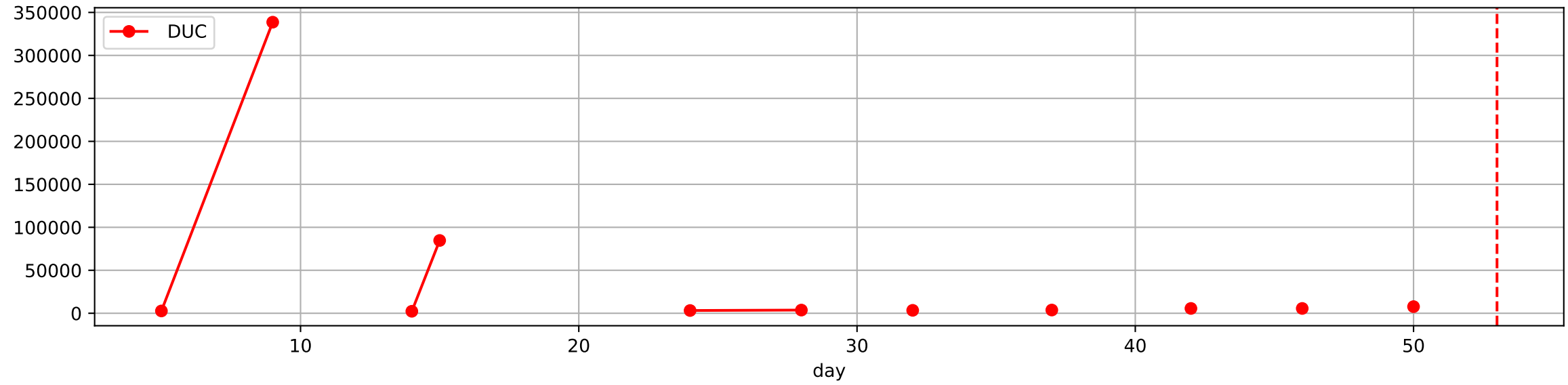
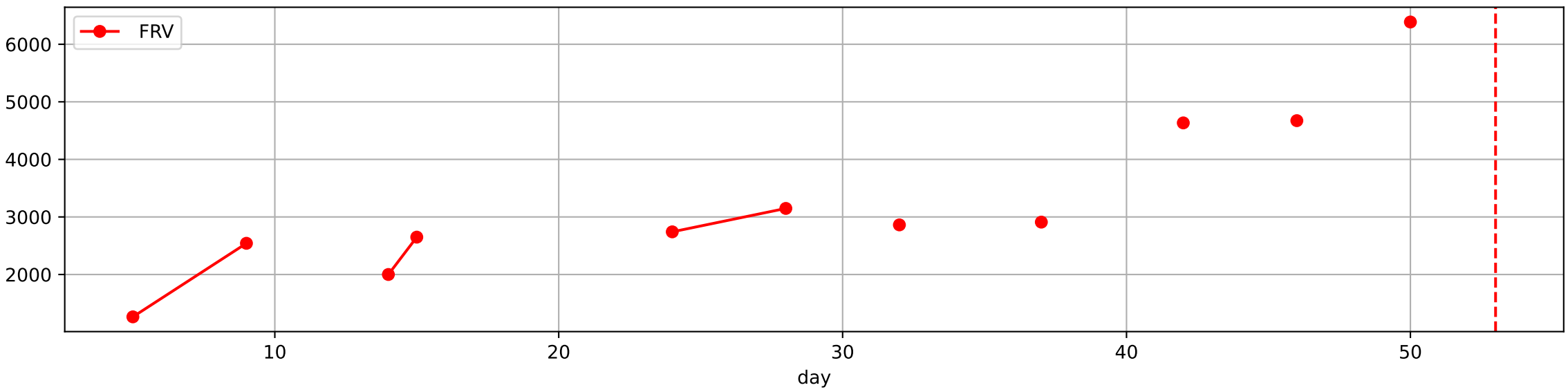
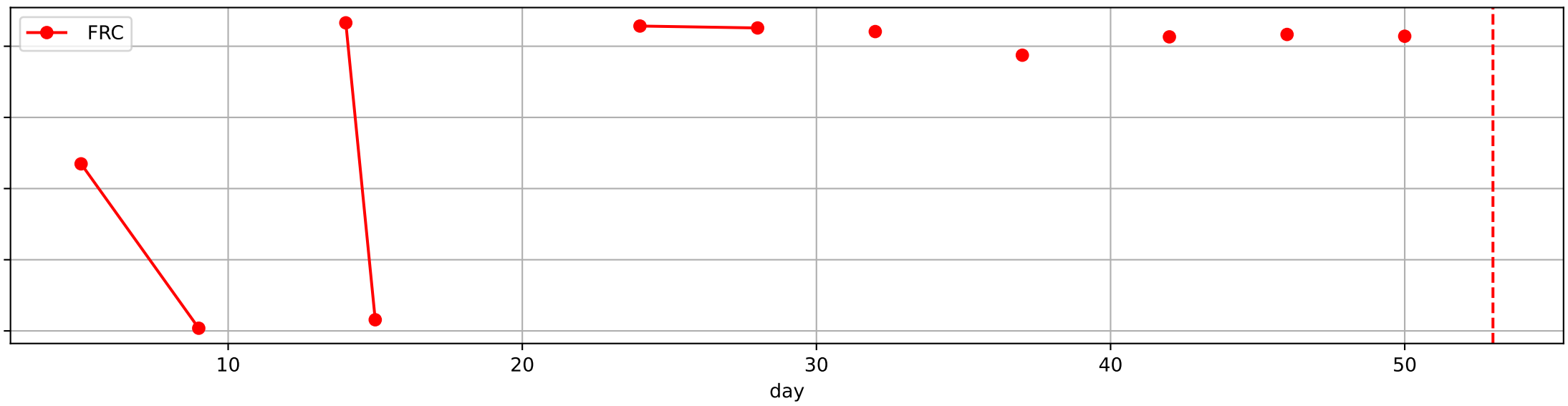
140
120
100
10
20
30
40
50
day

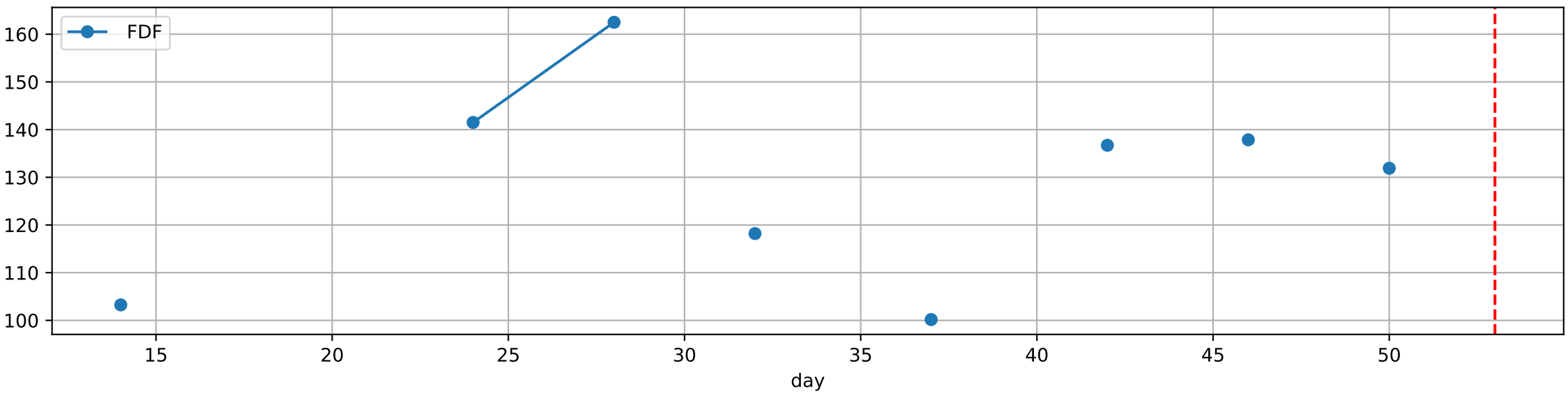

FV_score
3.0
2.5
2.0
1.5
1.0
0.5
0.0
10
20
30
40
50
day

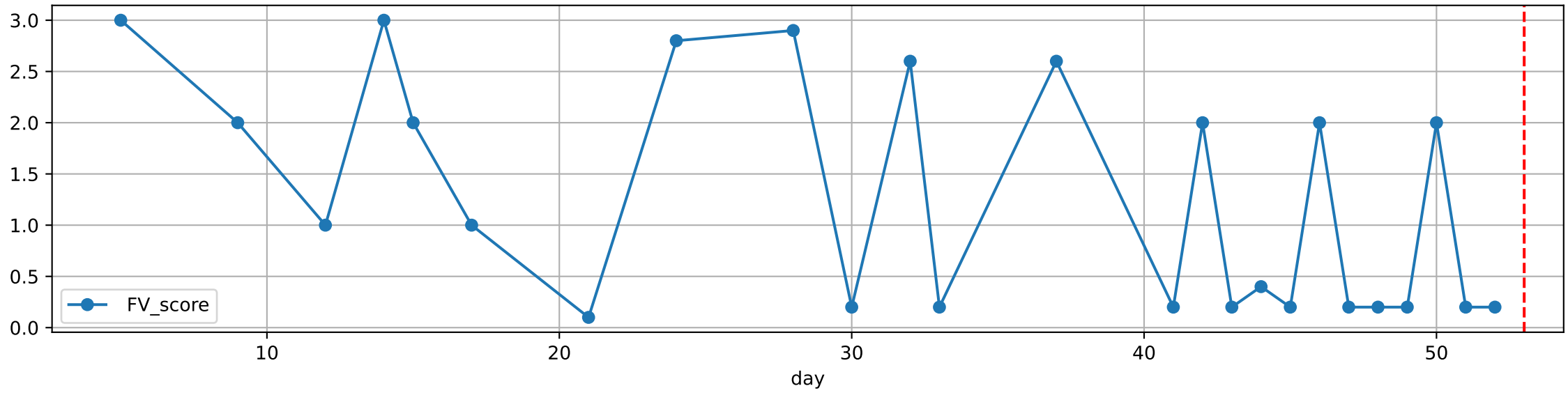
plot dfFv (daily Agg)

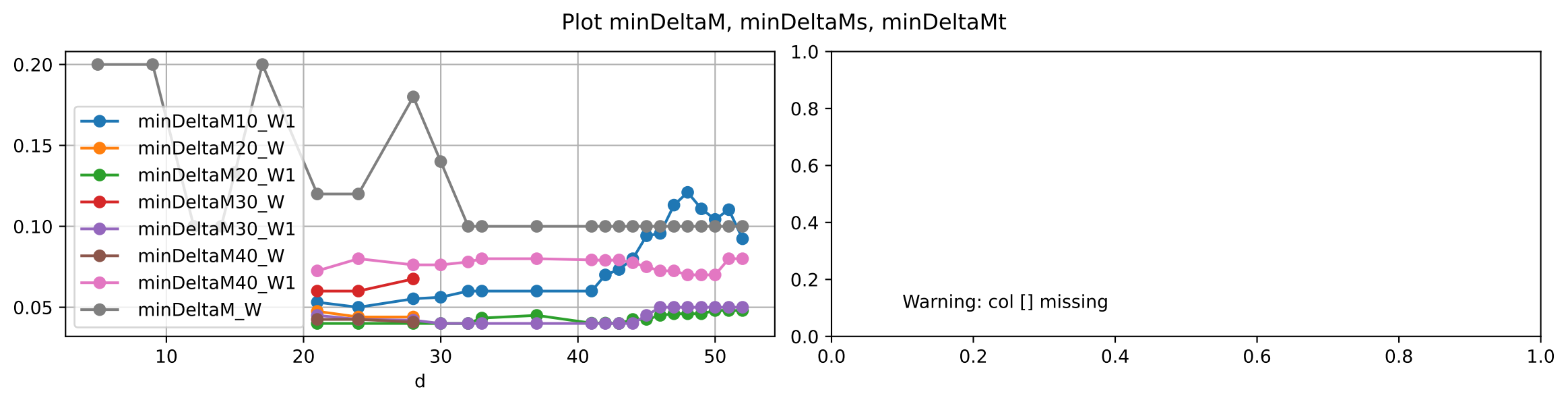




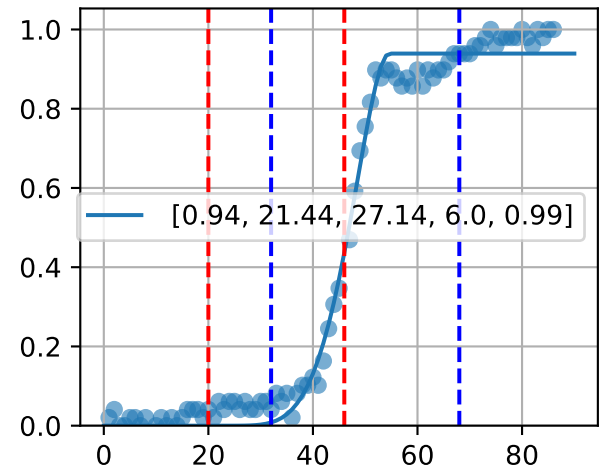




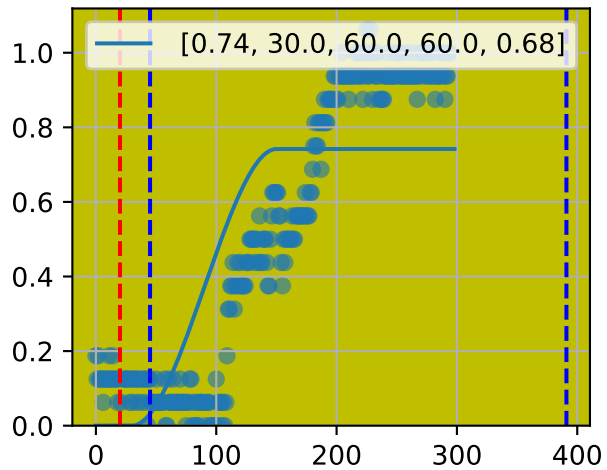



Plot minDeltaM, minDeltaMs, minDeltaMt
minDeltaM10_W1
minDeltaM20_W
minDeltaM20_W1
minDeltaM30_W
minDeltaM30_W1
minDeltaM40_W
minDeltaM40_W1
minDeltaM_W
0.20
0.15
0.10
0.05
10
20
30
40
50
d
1.0
0.8
0.6
0.4
0.2
0.0
Warning: col [] missing
0.0
0.2
0.4
0.6
0.8
1.0

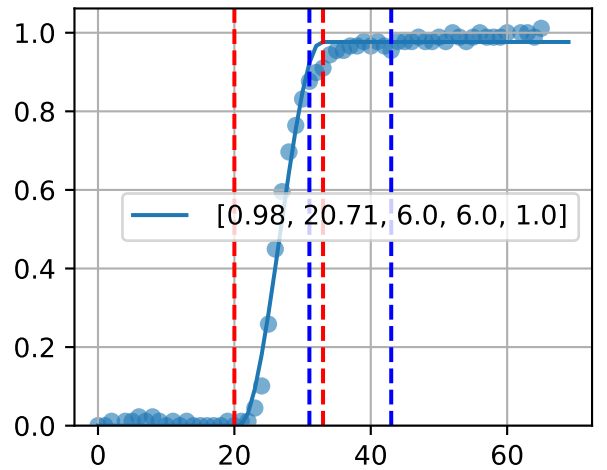
M_W d5 ([12.0, 11.6, 3.0] fdu=68.0



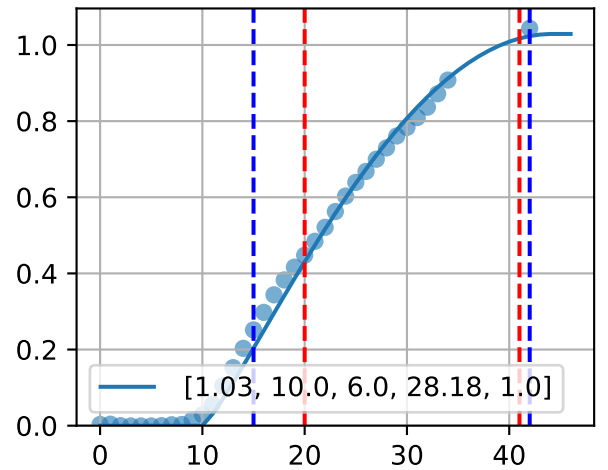
M_W d9 ([4.0, 1.1, 226.0] fdu=391.0



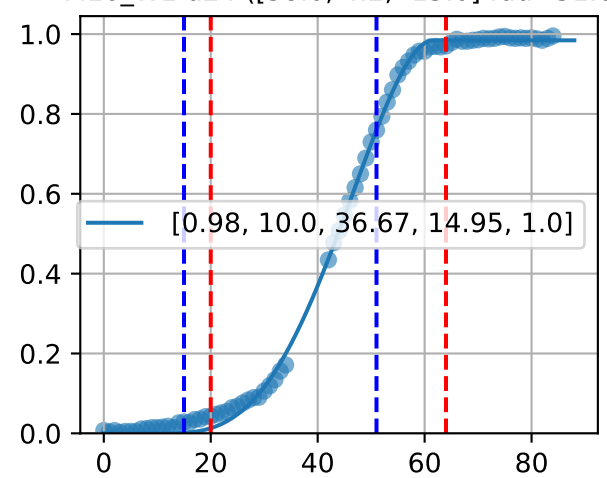
M_W d14 ([22.0, 26.2, -0.0] fdu=43.0



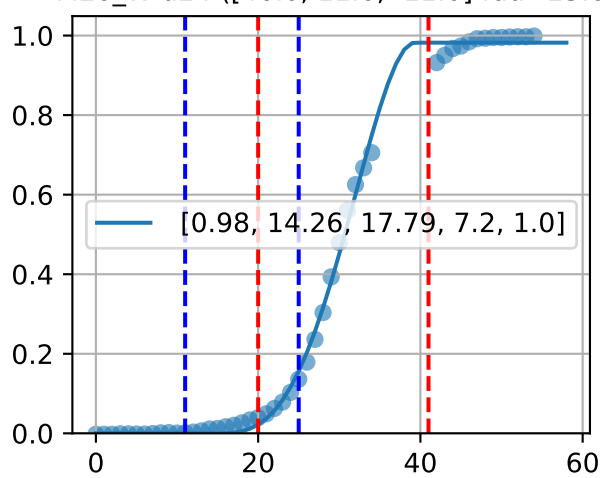
M10_W d24 ([37.0, 5.3, -8.0] fdu=42.0



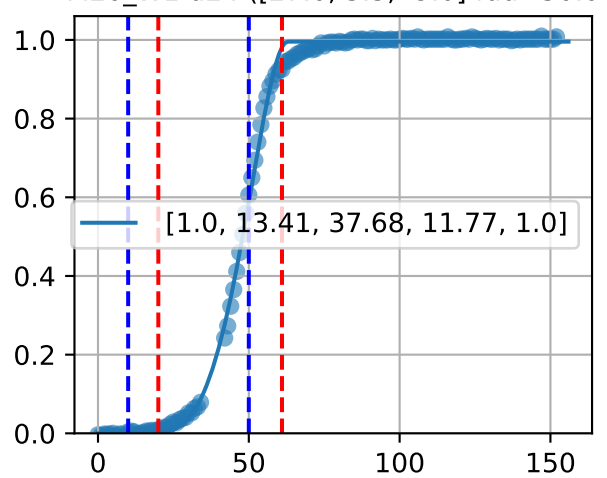
M10_W1 d24 ([38.0, 4.2, -15.0] fdu=51.0



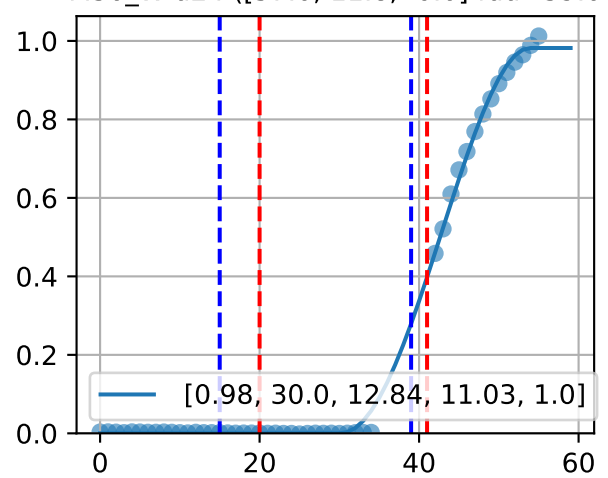
M20_W d24 ([46.0, 11.0, -11.0] fdu=25.0



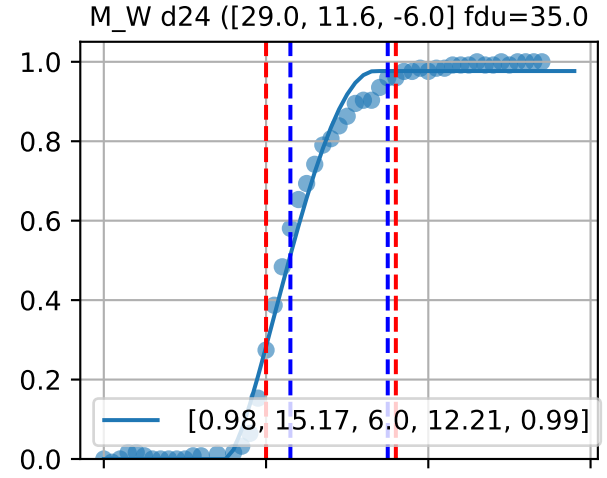
M20_W1 d24 ([27.0, 5.3, -9.0] fdu=50.0



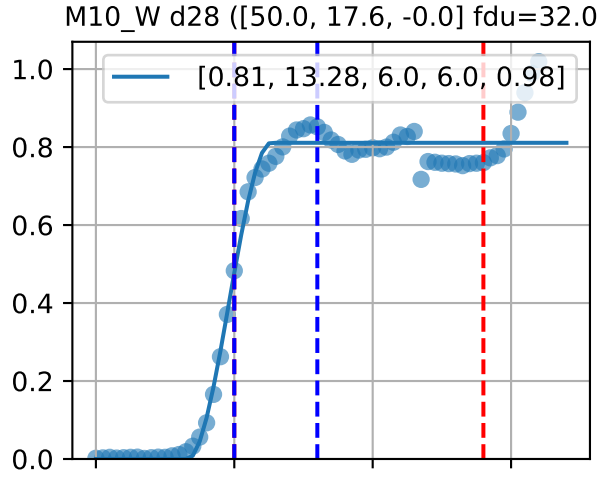
M30_W d24 ([57.0, 11.8, -0.0] fdu=39.0



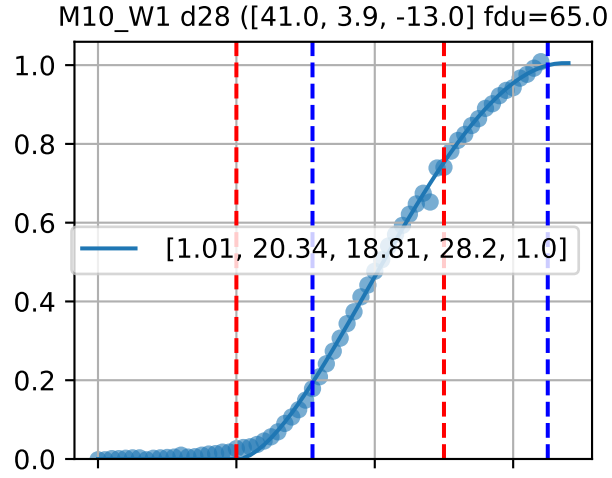
M_W d24 ([29.0, 11.6, -6.0] fdu=35.0



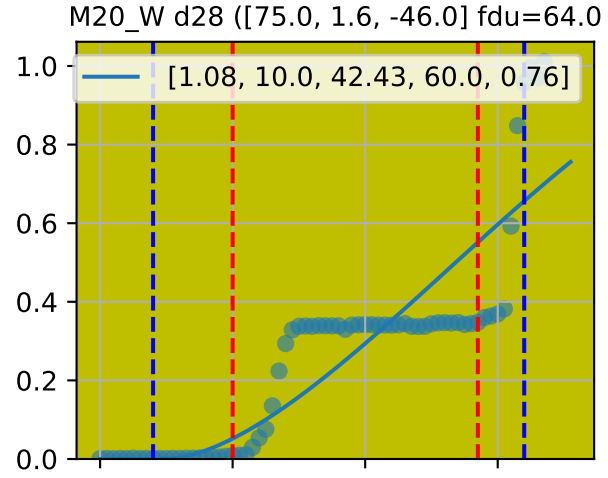
M10_W d28 ([50.0, 17.6, -0.0] fdu=32.0



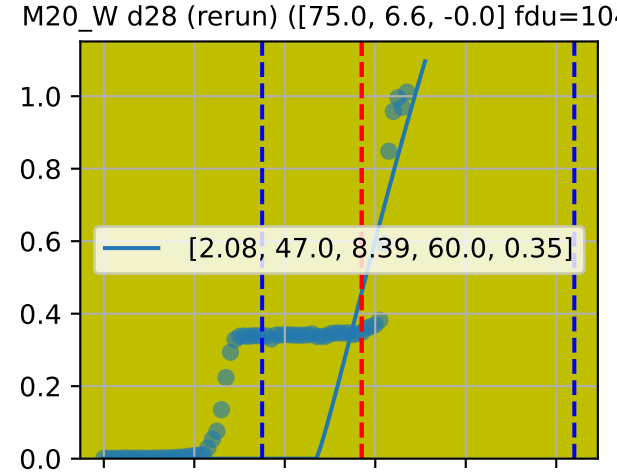
M10_W1 d28 ([41.0, 3.9, -13.0] fdu=65.0



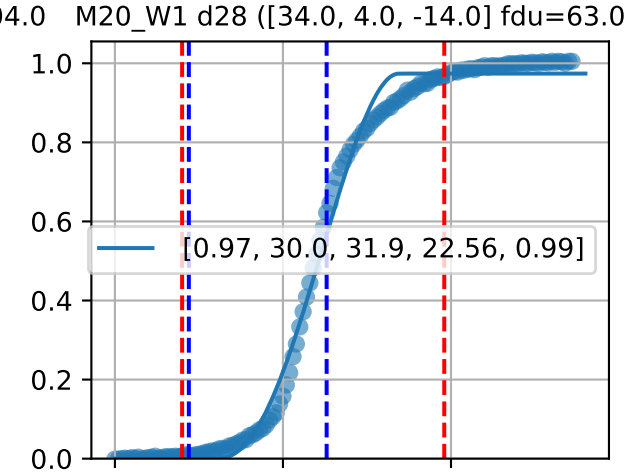
M20_W d28 ([75.0, 1.6, -46.0] fdu=64.0



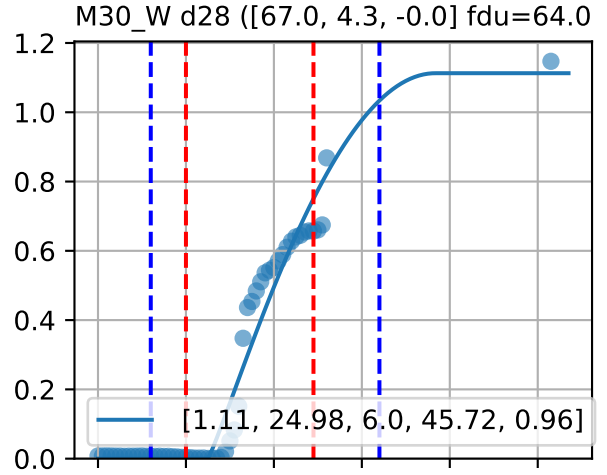
M20_W d28 (rerun) ([75.0, 6.6, -0.0] fdu=104.0



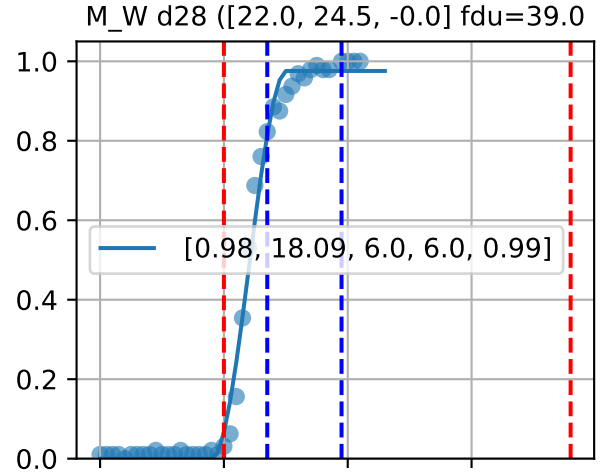
M20_W1 d28 ([34.0, 4.0, -14.0] fdu=63.0



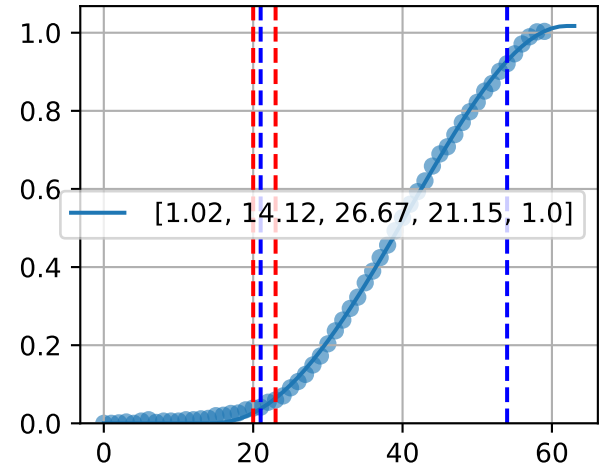
M30_W d28 ([67.0, 4.3, -0.0] fdu=64.0



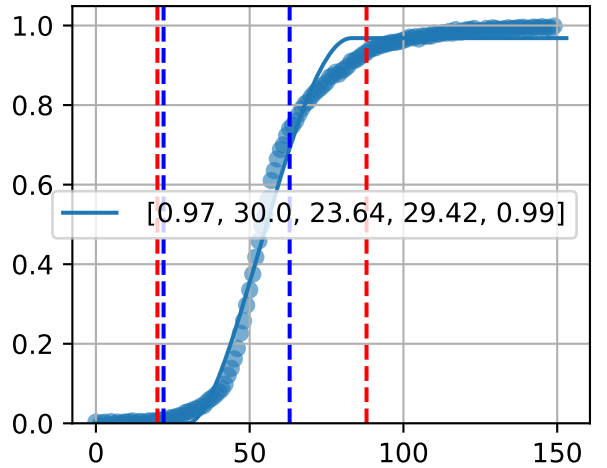
M_W d28 ([22.0, 24.5, -0.0] fdu=39.0



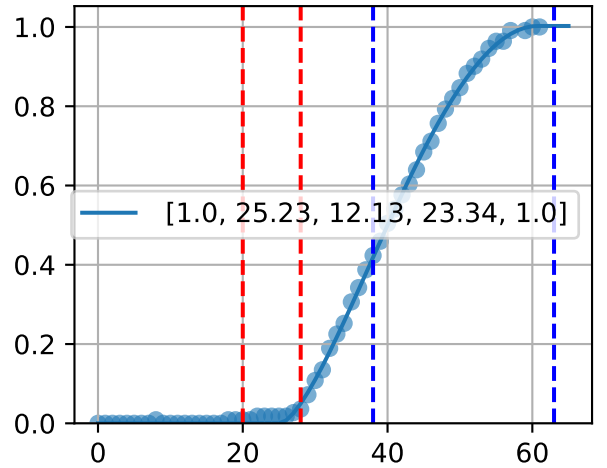
M10_W1 d32 ([35.0, 4.0, -15.0] fdu=54.0



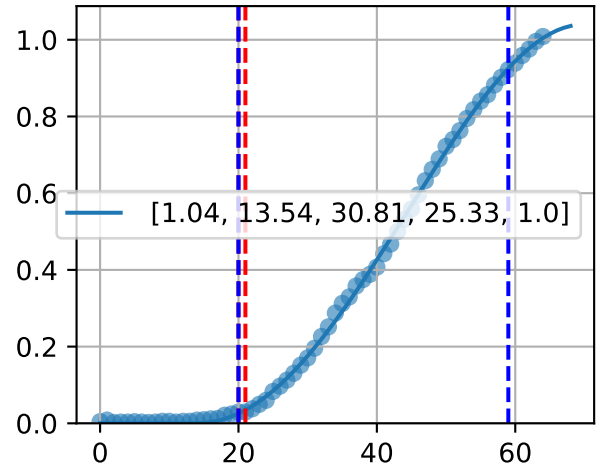
M20_W1 d32 ([29.0, 3.6, -13.0] fdu=63.0

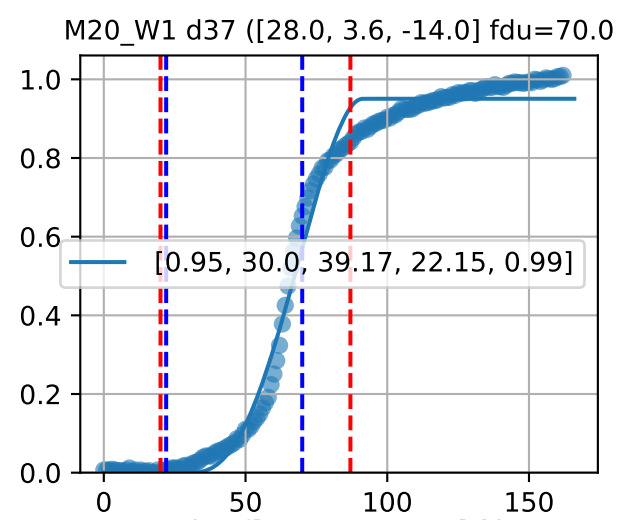


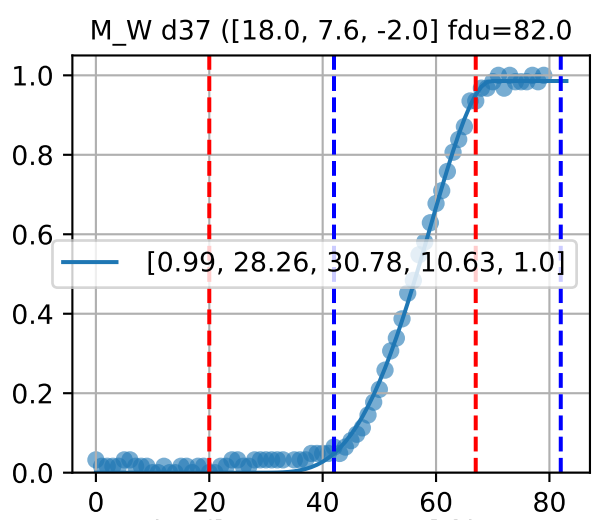
M_W d32 ([28.0, 5.8, -10.0] fdu=63.0

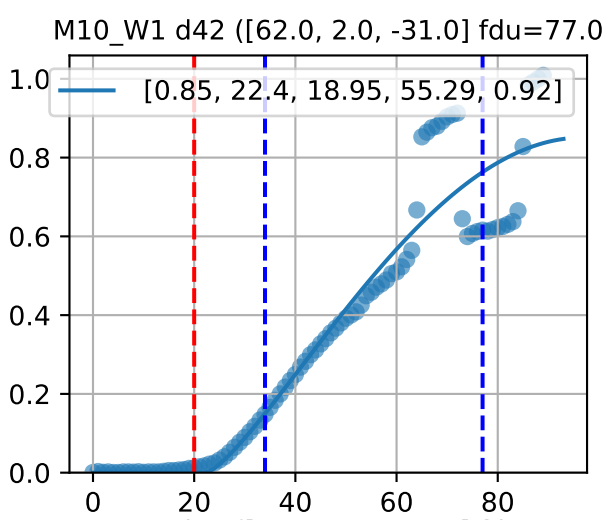


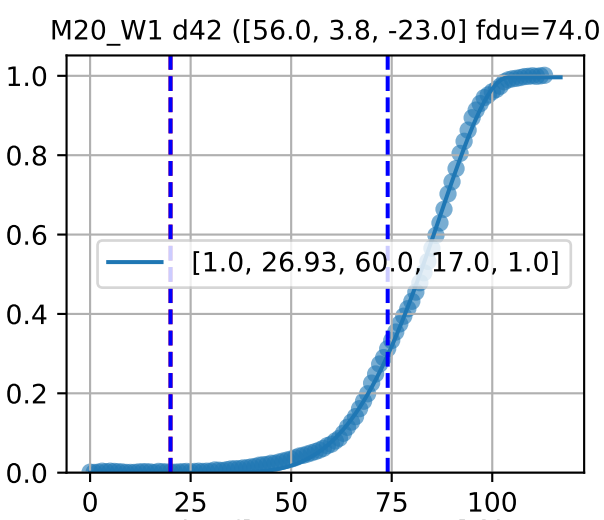
M10_W1 d37 ([40.0, 3.3, -18.0] fdu=59.0

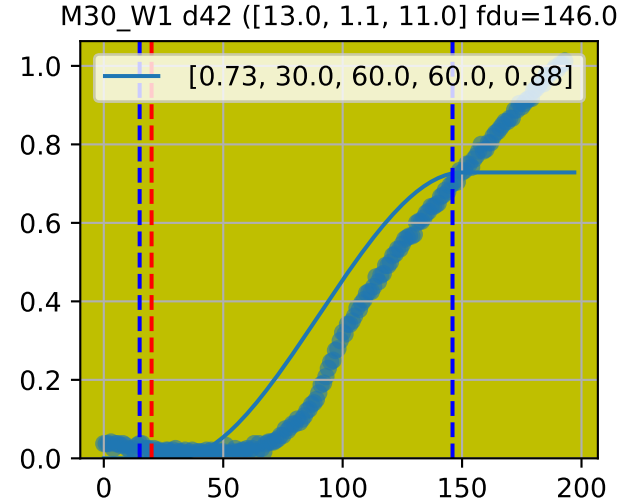


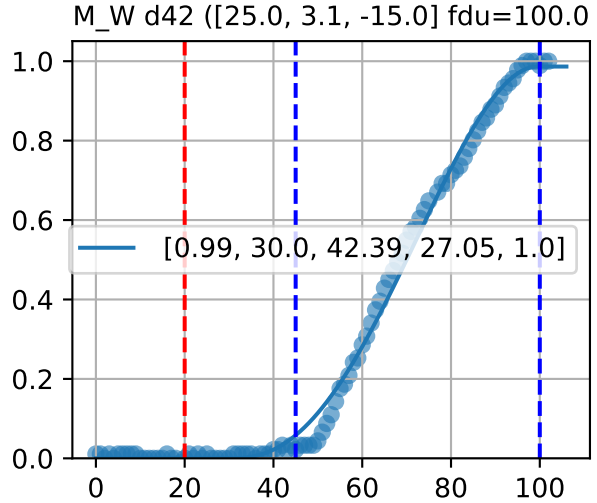

M20_W1 d37 ([28.0, 3.6, -14.0] fdu=70.0
[0.95, 30.0, 39.17, 22.15, 0.99]

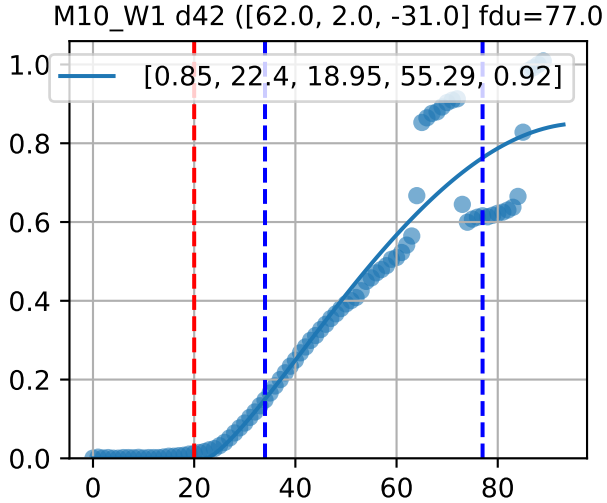

M_W d37 ([18.0, 7.6, -2.0] fdu=82.0
[0.99, 28.26, 30.78, 10.63, 1.0]

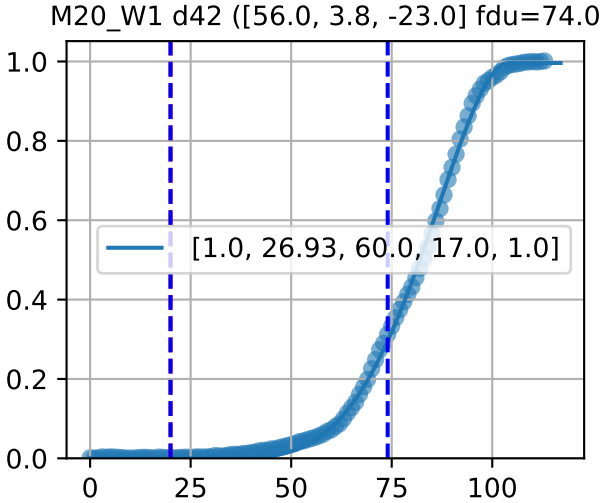

M10_W1 d42 ([62.0, 2.0, -31.0] fdu=77.0
[0.85, 22.4, 18.95, 55.29, 0.92]

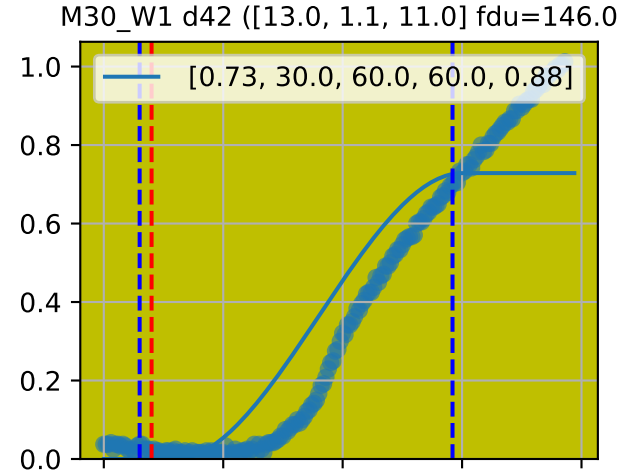

M20_W1 d42 ([56.0, 3.8, -23.0] fdu=74.0
[1.0, 26.93, 60.0, 17.0, 1.0]

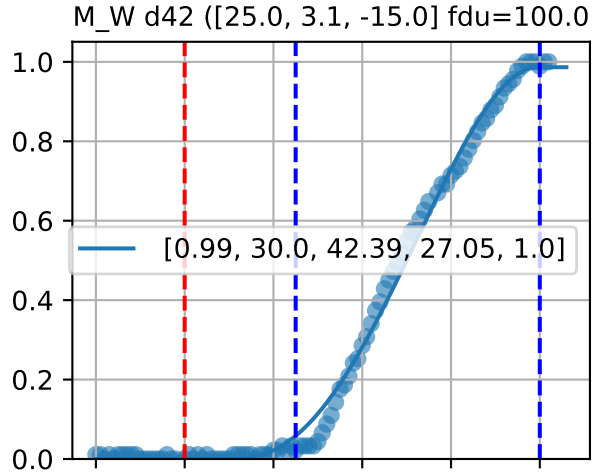

M30_W1 d42 ([13.0, 1.1, 11.0] fdu=146.0
[0.73, 30.0, 60.0, 60.0, 0.88]

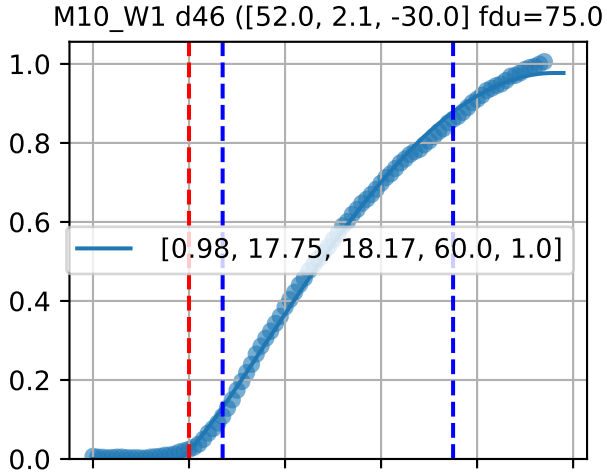

M_W d42 ([25.0, 3.1, -15.0] fdu=100.0
[0.99, 30.0, 42.39, 27.05, 1.0]

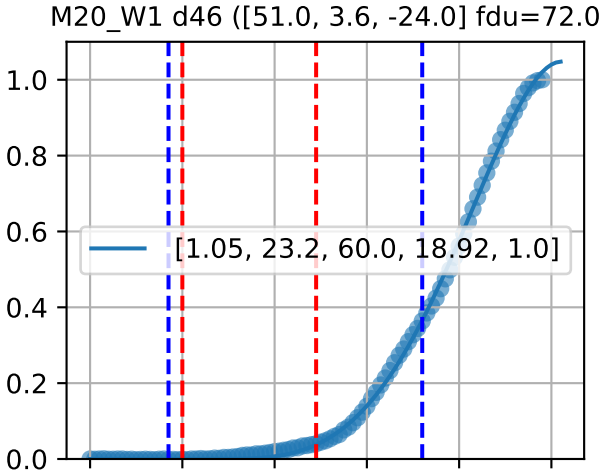

M10_W1 d42 ([62.0, 2.0, -31.0] fdu=77.0
[0.85, 22.4, 18.95, 55.29, 0.92]

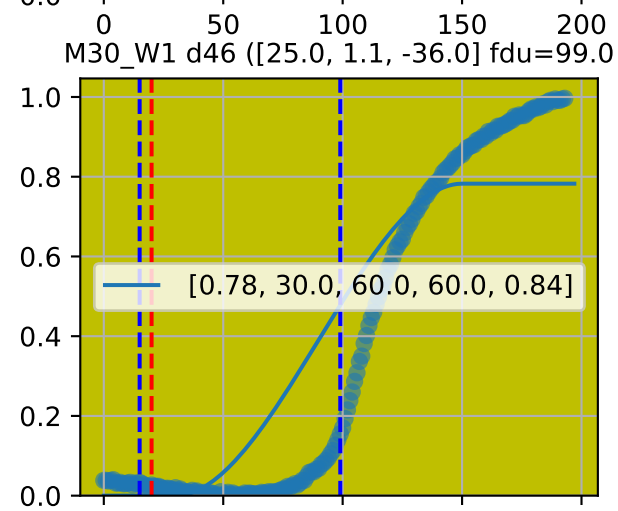

M20_W1 d42 ([56.0, 3.8, -23.0] fdu=74.0
[1.0, 26.93, 60.0, 17.0, 1.0]

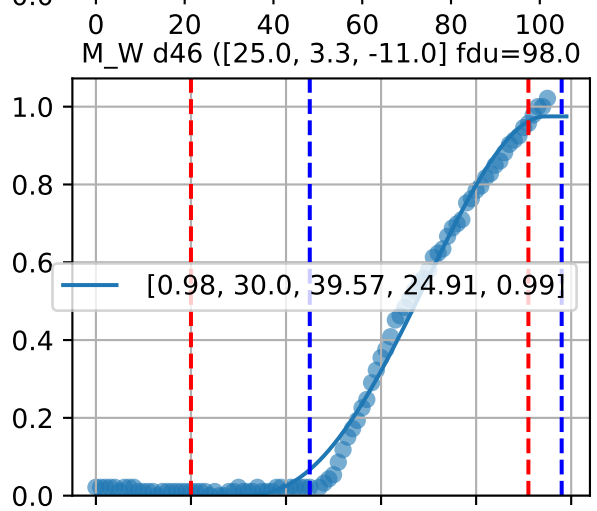

M30_W1 d42 ([13.0, 1.1, 11.0] fdu=146.0
[0.73, 30.0, 60.0, 60.0, 0.88]

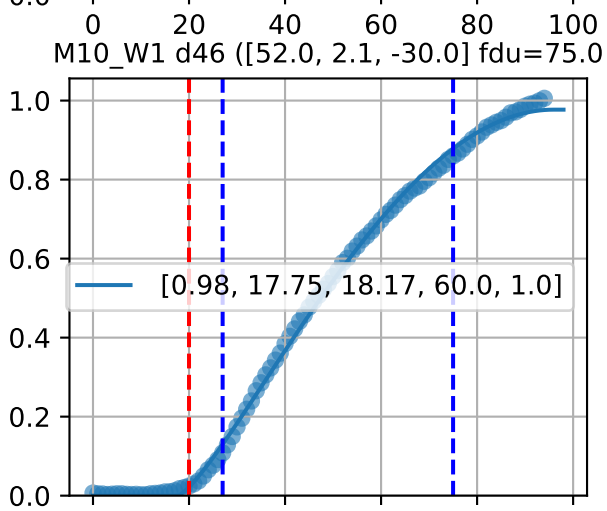

M_W d42 ([25.0, 3.1, -15.0] fdu=100.0
[0.99, 30.0, 42.39, 27.05, 1.0]

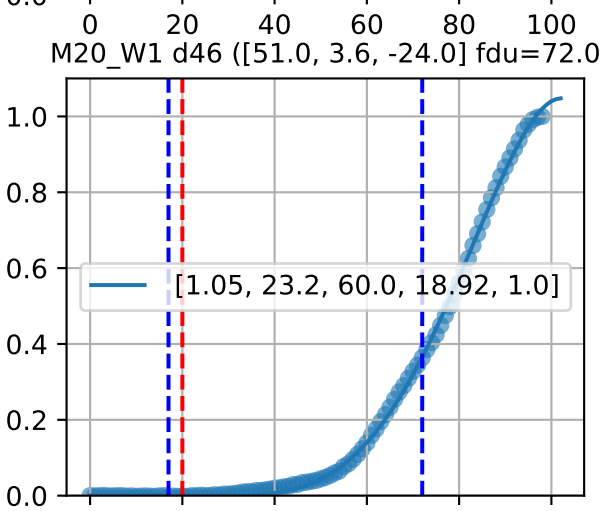

M10_W1 d46 ([52.0, 2.1, -30.0] fdu=75.0
[0.98, 17.75, 18.17, 60.0, 1.0]

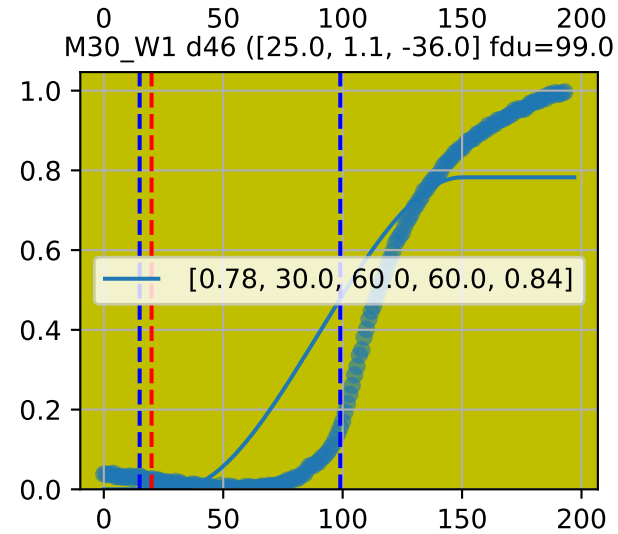

M20_W1 d46 ([51.0, 3.6, -24.0] fdu=72.0
[1.05, 23.2, 60.0, 18.92, 1.0]

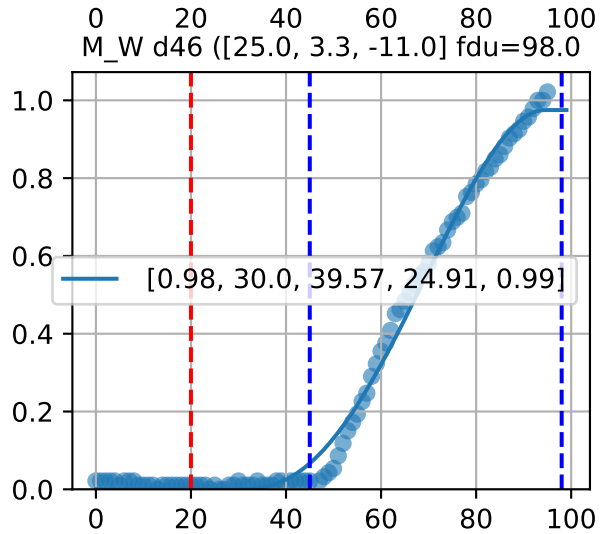

M30_W1 d46 ([25.0, 1.1, -36.0] fdu=99.0
[0.78, 30.0, 60.0, 60.0, 0.84]

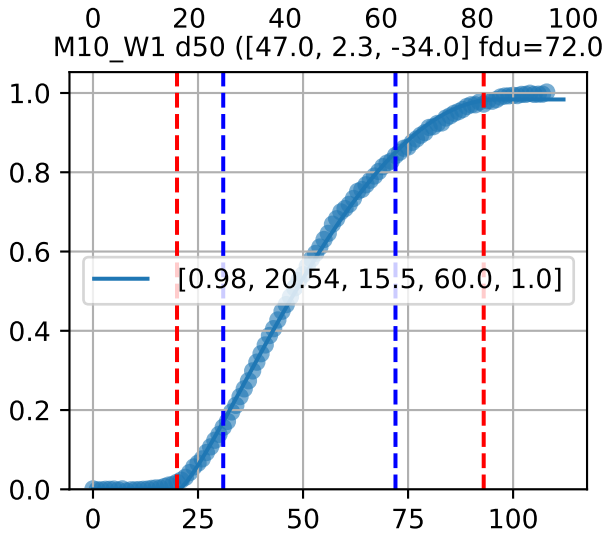

M_W d46 ([25.0, 3.3, -11.0] fdu=98.0
[0.98, 30.0, 39.57, 24.91, 0.99]

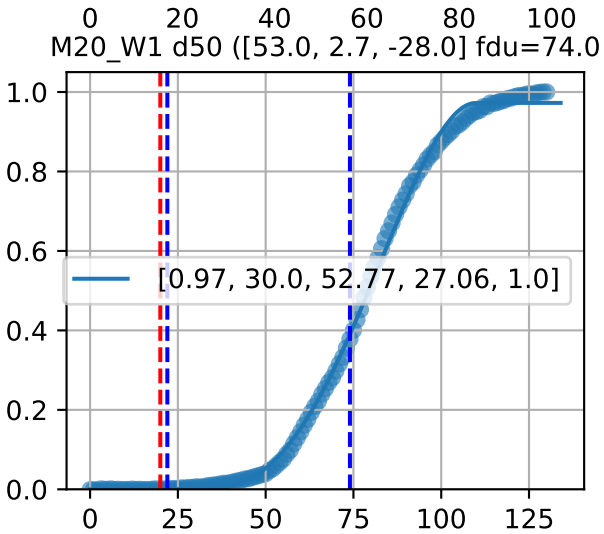

M10_W1 d46 ([52.0, 2.1, -30.0] fdu=75.0
[0.98, 17.75, 18.17, 60.0, 1.0]

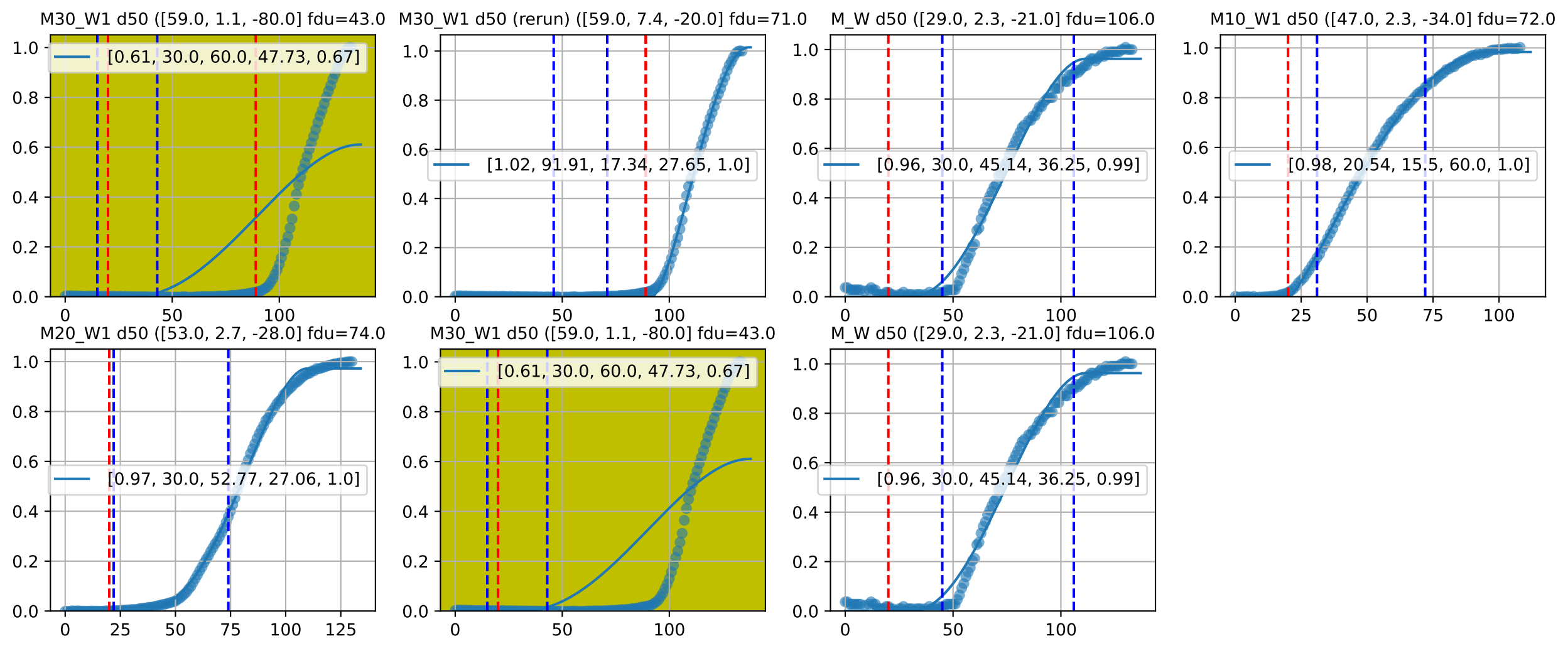

M20_W1 d46 ([51.0, 3.6, -24.0] fdu=72.0
[1.05, 23.2, 60.0, 18.92, 1.0]


M30_W1 d46 ([25.0, 1.1, -36.0] fdu=99.0
[0.78, 30.0, 60.0, 60.0, 0.84]

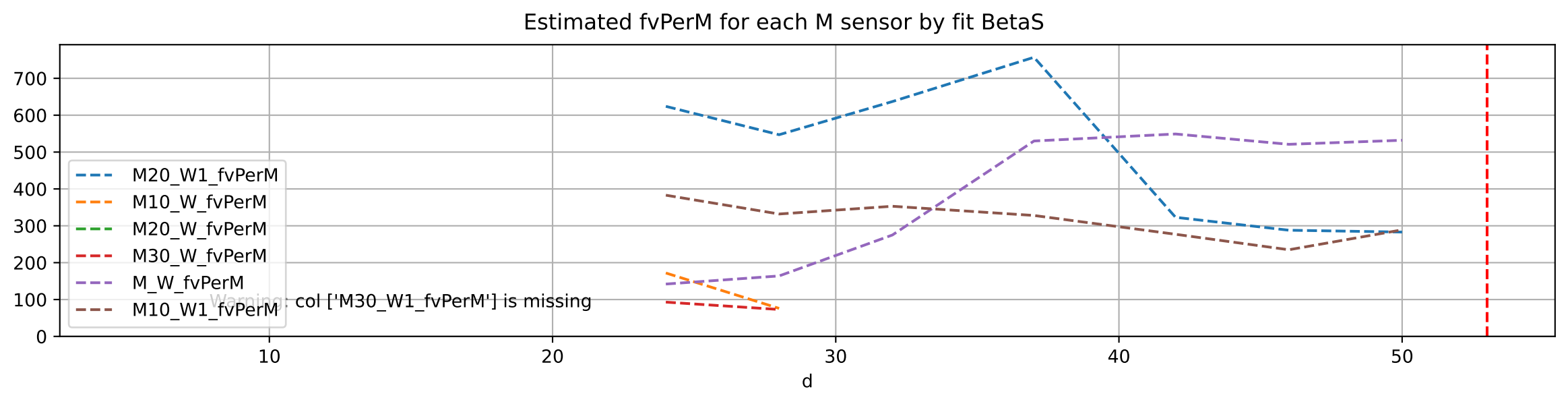

M_W d46 ([25.0, 3.3, -11.0] fdu=98.0
[0.98, 30.0, 39.57, 24.91, 0.99]

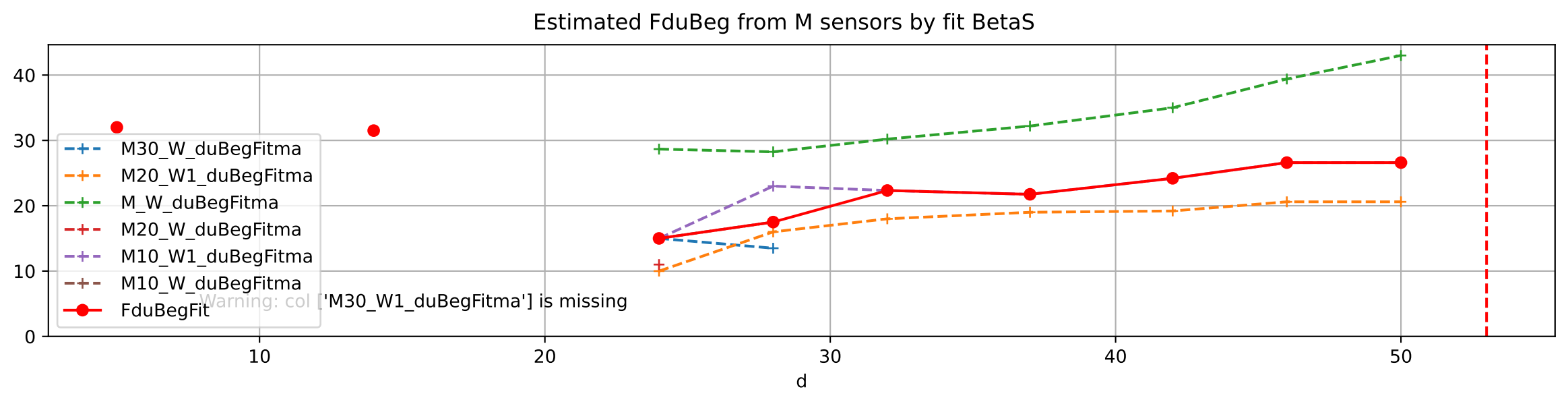

M10_W1 d50 ([47.0, 2.3, -34.0] fdu=72.0
[0.98, 20.54, 15.5, 60.0, 1.0]

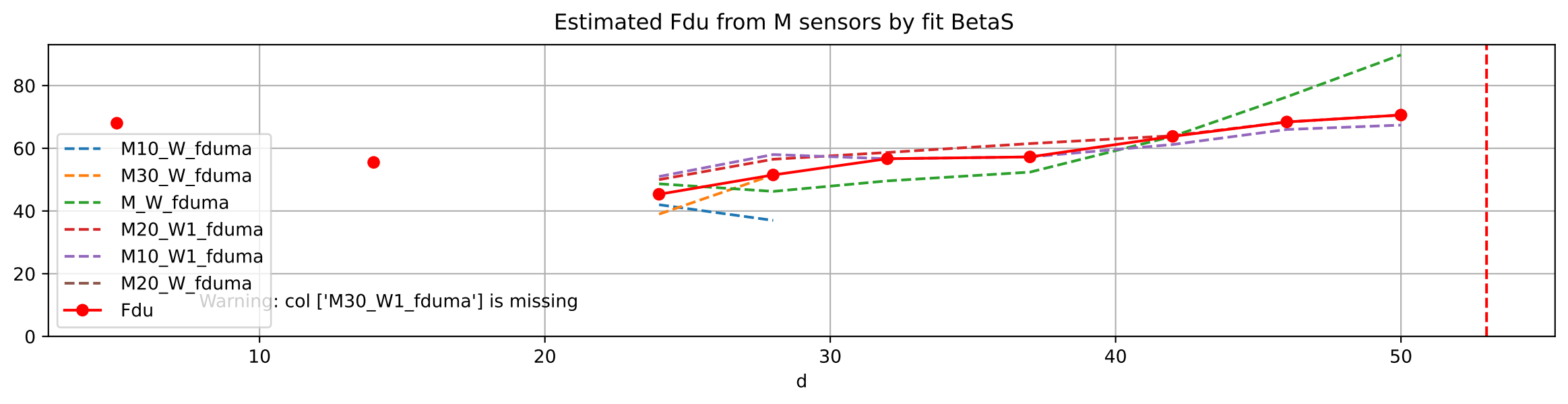

M20_W1 d50 ([53.0, 2.7, -28.0] fdu=74.0
[0.97, 30.0, 52.77, 27.06, 1.0]

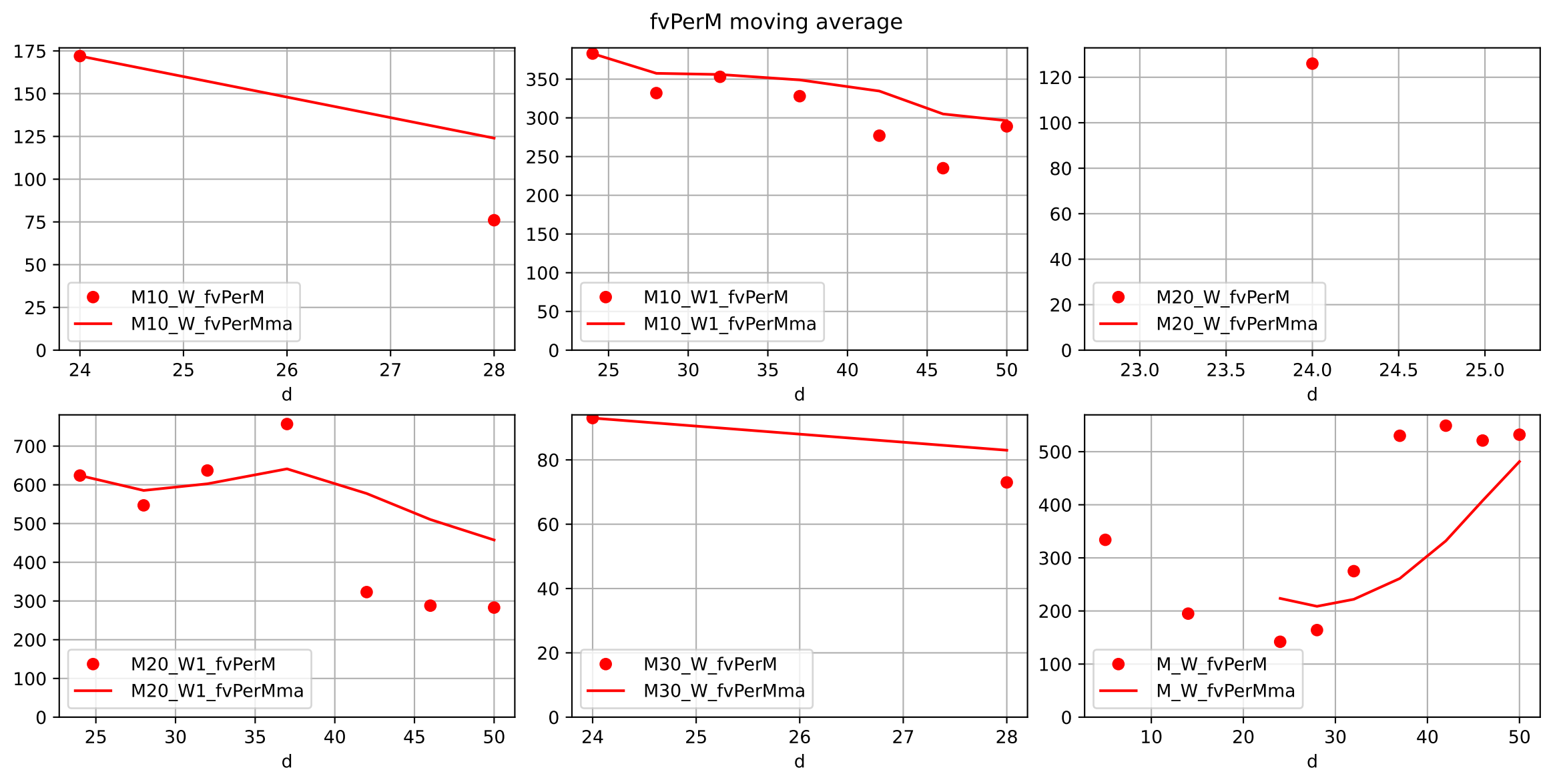

M30_W1 d50 ([59.0, 1.1, -80.0] fdu=43.0
[0.61, 30.0, 60.0, 47.73, 0.67]
M30_W1 d50 (rerun) ([59.0, 7.4, -20.0] fdu=71.0
[1.02, 91.91, 17.34, 27.65, 1.0]
M_W d50 ([29.0, 2.3, -21.0] fdu=106.0
[0.96, 30.0, 45.14, 36.25, 0.99]
M10_W1 d50 ([47.0, 2.3, -34.0] fdu=72.0
[0.98, 20.54, 15.5, 60.0, 1.0]
M20_W1 d50 ([53.0, 2.7, -28.0] fdu=74.0
[0.97, 30.0, 52.77, 27.06, 1.0]
M30_W1 d50 ([59.0, 1.1, -80.0] fdu=43.0
[0.61, 30.0, 60.0, 47.73, 0.67]
M_W d50 ([29.0, 2.3, -21.0] fdu=106.0
[0.96, 30.0, 45.14, 36.25, 0.99]

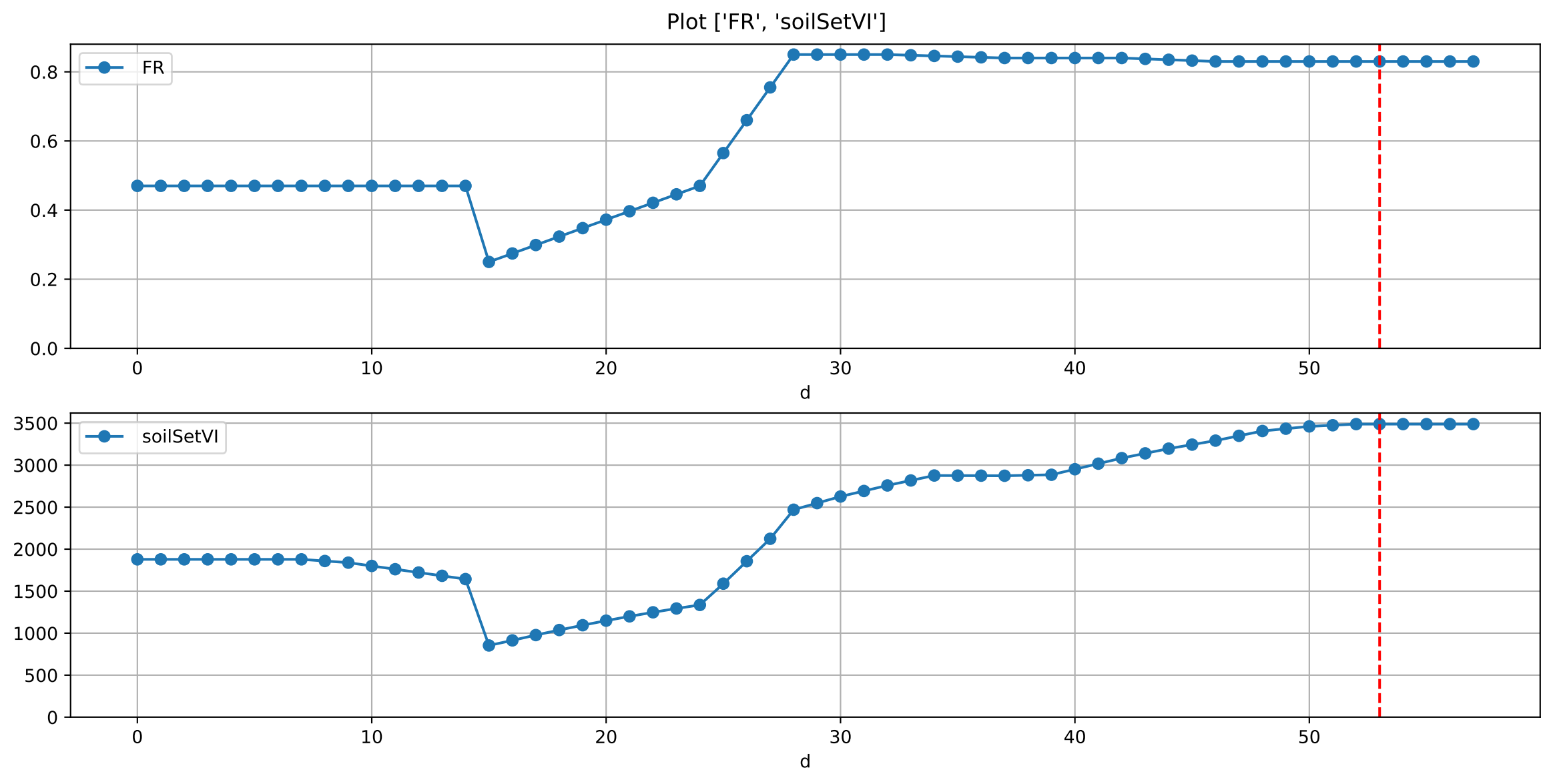

Fdu / duBegFit / duBeg moving average
M10_W_fdu
M10_W_duBegFit
M10_W_duBeg
M10_W1_fdu
M10_W1_duBegFit
M10_W1_duBeg
M20_W_fdu
M20_W_duBegFit
M20_W_duBeg
M20_W1_fdu
M20_W1_duBegFit
M20_W1_duBeg
M30_W_fdu
M30_W_duBegFit
M30_W_duBeg
Warning: col ['M30_W1_fdu', 'M30_W1_fduma', 'M30_W1_duBegFit', 'M30_W1_duBegFitma', 'M30_W1_duBeg', 'M30_W1_duBegma'] missing
M_W_fdu
M_W_duBegFit
M_W_duBeg
d

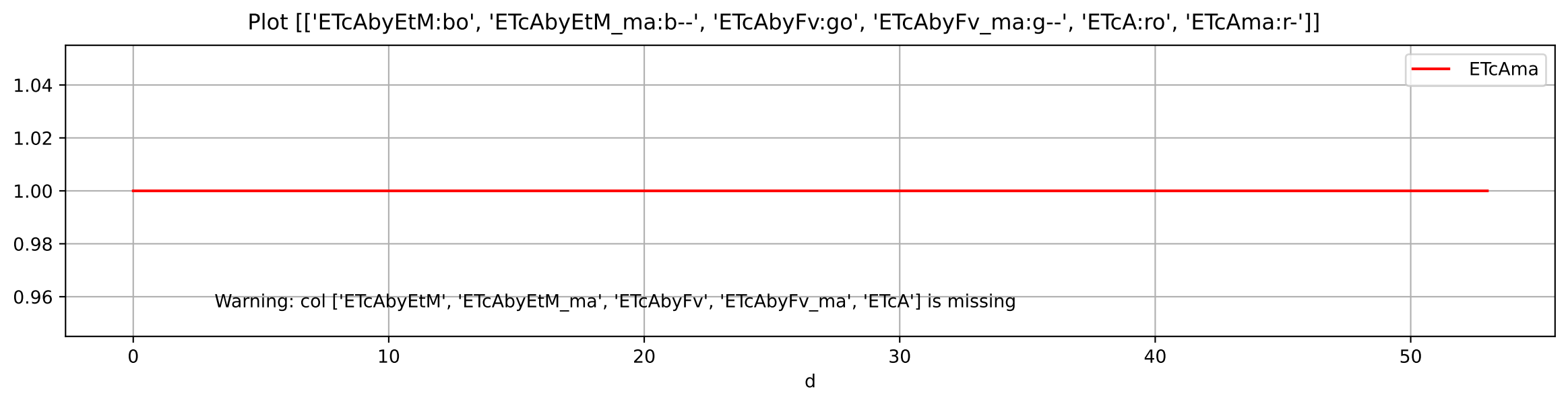

Estimated fvPerM for each M sensor by fit BetaS
700
600
500
400
300
200
100
0
10
20
30
40
50
d
M20_W1_fvPerM
M10_W_fvPerM
M20_W_fvPerM
M30_W_fvPerM
M_W_fvPerM
M10_W1_fvPerM
Warning: col ['M30_W1_fvPerM'] is missing


Estimated FduBeg from M sensors by fit BetaS
M30_W_duBegFitma
M20_W1_duBegFitma
M_W_duBegFitma
M20_W_duBegFitma
M10_W1_duBegFitma
M10_W_duBegFitma
FduBegFit
Warning: col ['M30_W1_duBegFitma'] is missing
0
10
20
30
40
10
20
30
40
50
d

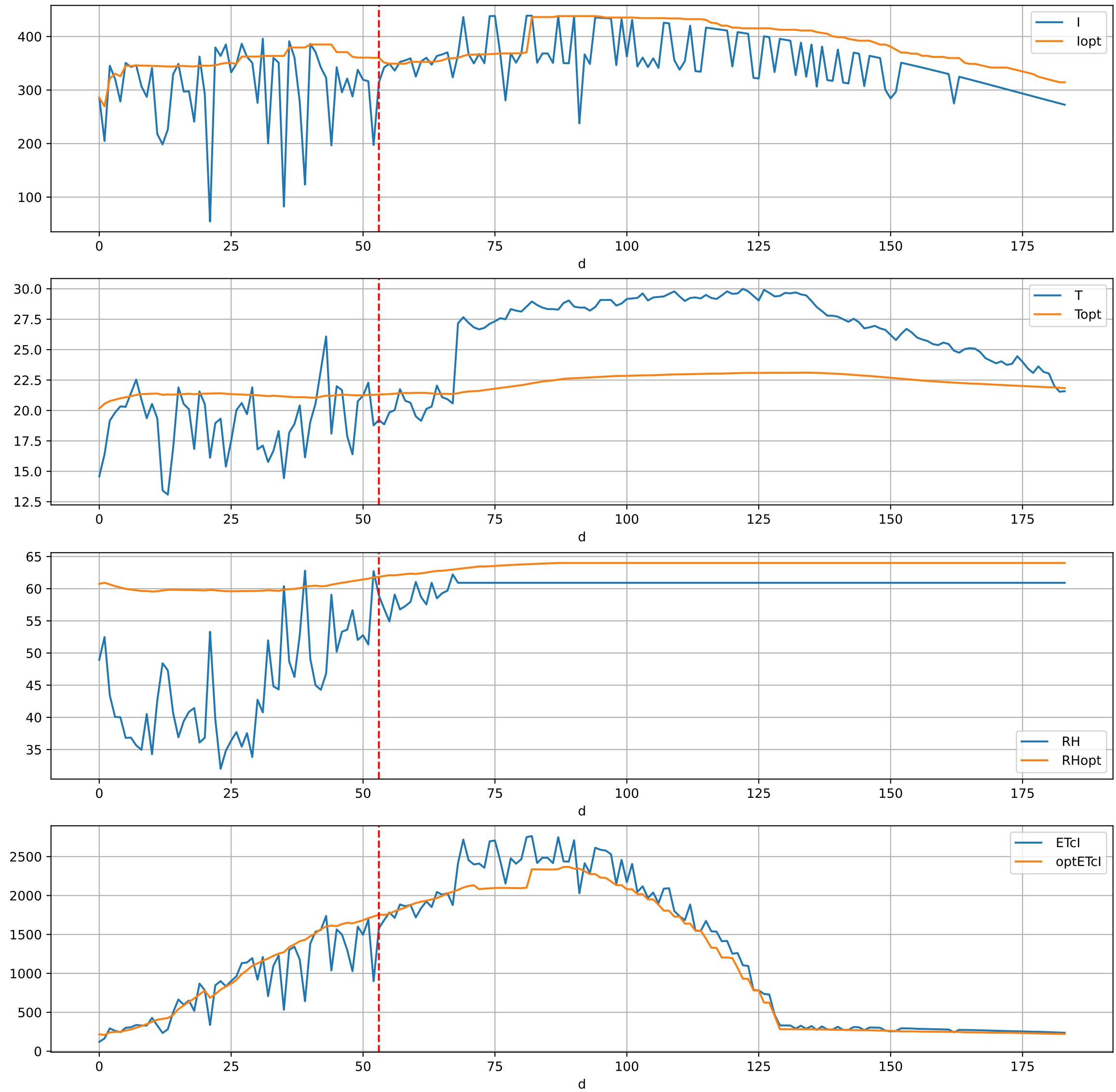

Estimated Fdu from M sensors by fit BetaS
M10_W_fduma
M30_W_fduma
M_W_fduma
M20_W1_fduma
M10_W1_fduma
M20_W_fduma
Fdu
Warning: col ['M30_W1_fduma'] is missing
0
20
40
60
80
10
20
30
40
50
d

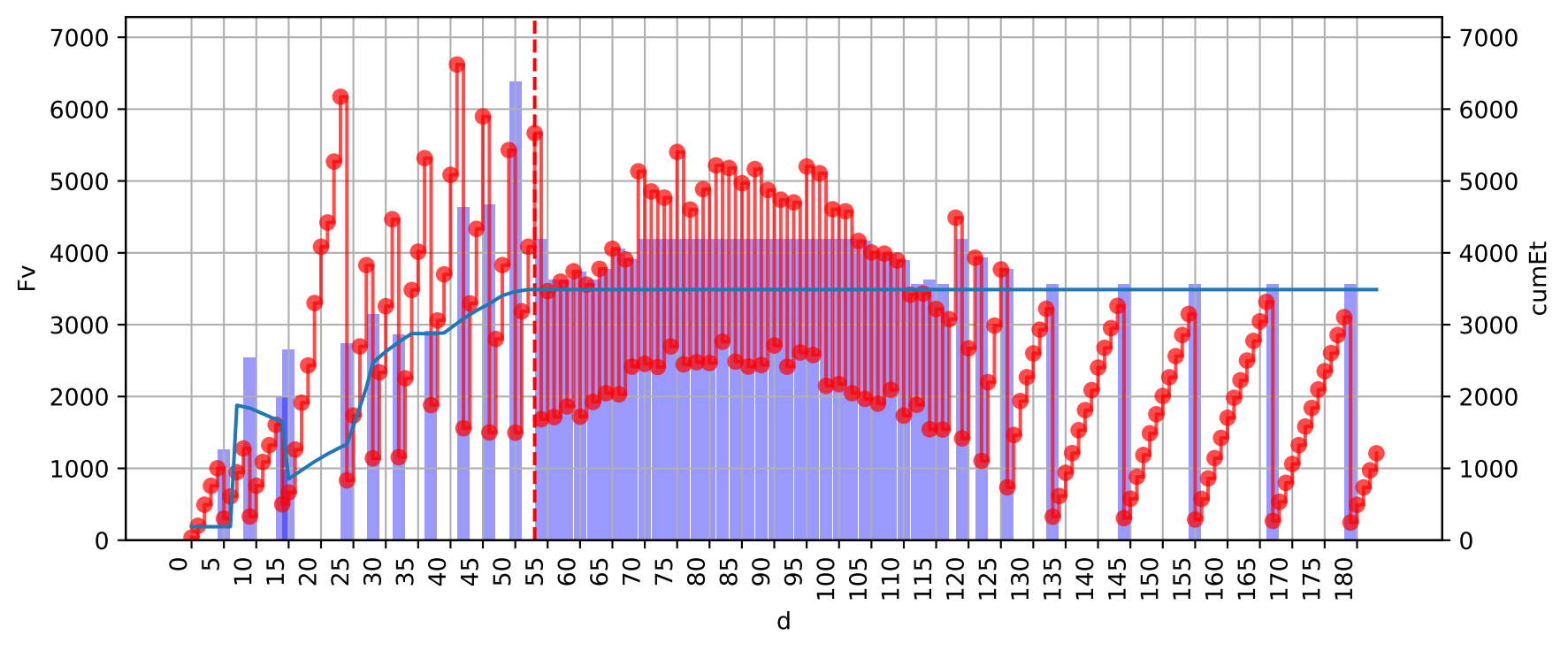

fvPerM moving average
M10_W_fvPerM
M10_W_fvPerMma
M10_W1_fvPerM
M10_W1_fvPerMma
M20_W_fvPerM
M20_W_fvPerMma
M20_W1_fvPerM
M20_W1_fvPerMma
M30_W_fvPerM
M30_W_fvPerMma
M_W_fvPerM
M_W_fvPerMma
d

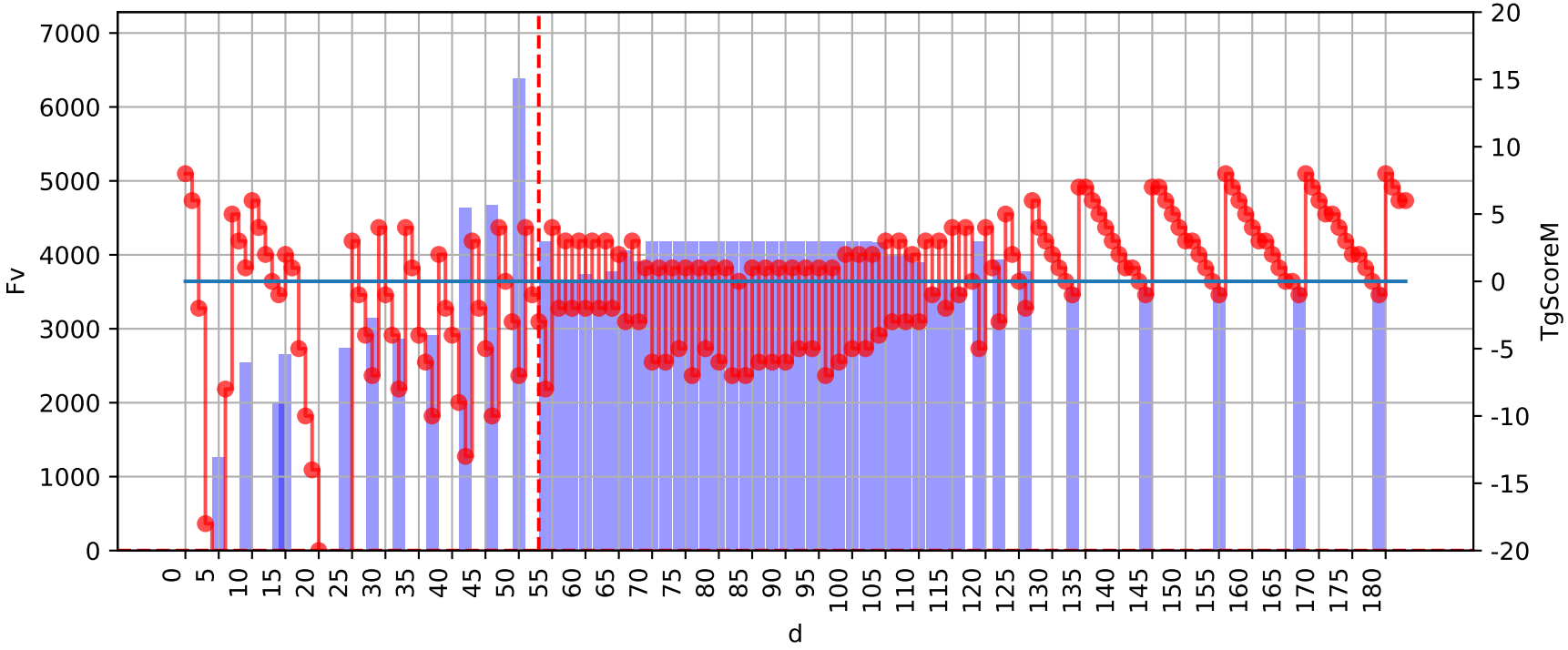

Plot ['FR', 'soilSetVI']
FR
0.0
0.2
0.4
0.6
0.8
0
10
20
30
40
50
d
soilSetVI
0
500
1000
1500
2000
2500
3000
3500
0
10
20
30
40
50
d


Plot [['ETcAbyEtM:bo', 'ETcAbyEtM_ma:b--', 'ETcAbyFv:go', 'ETcAbyFv_ma:g--', 'ETcA:ro', 'ETcAma:r-']]
ETcAma
1.04
1.02
1.00
0.98
0.96
Warning: col ['ETcAbyEtM', 'ETcAbyEtM_ma', 'ETcAbyFv', 'ETcAbyFv_ma', 'ETcA'] is missing
0
10
20
30
40
50
d

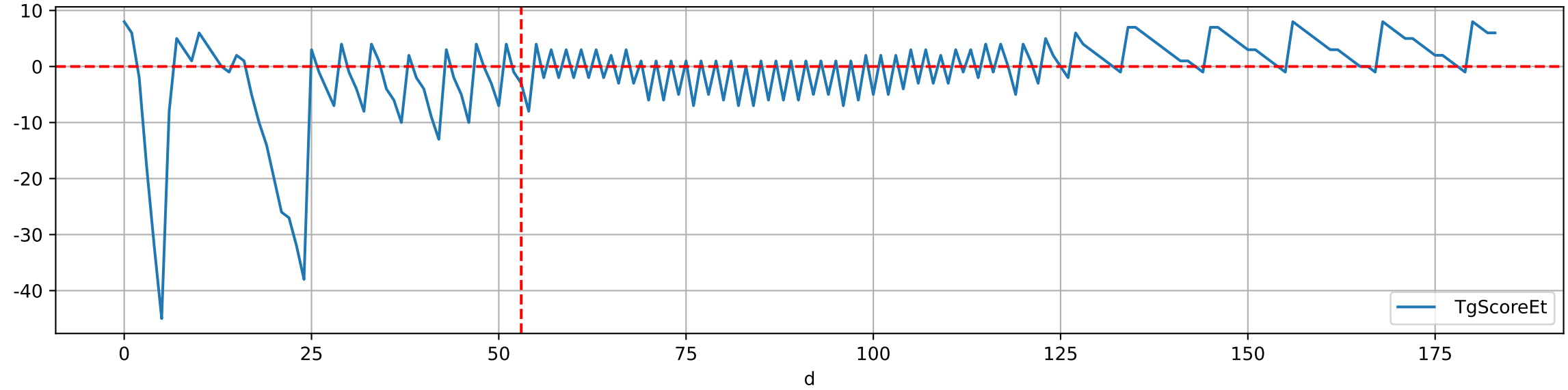
Plot [['I', 'Iopt'], ['T', 'Topt'], ['RH', 'RHopt'], ['ETcI', 'optETcI'], 'LAI', 'optEtRate']



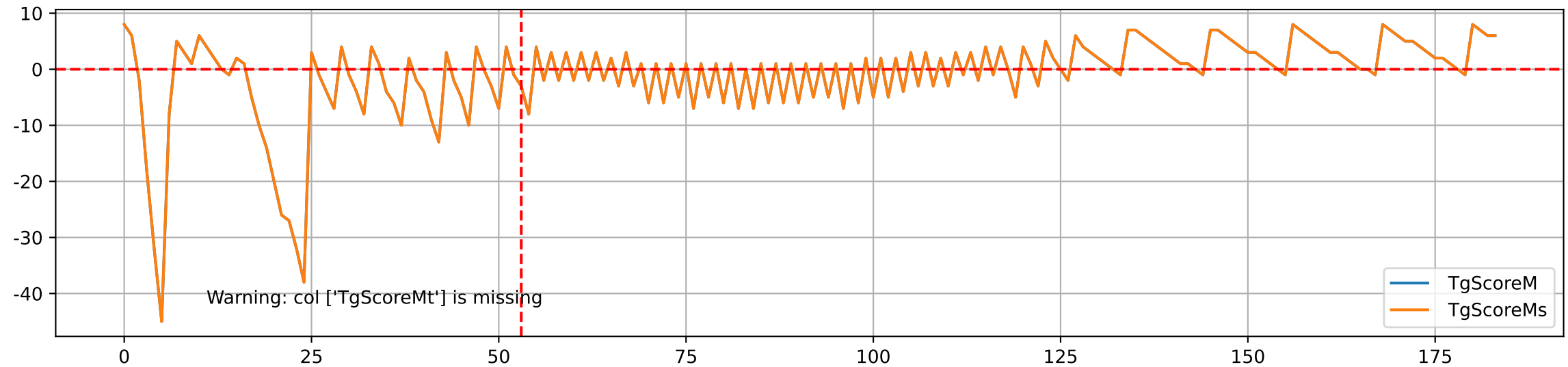

Fv
cumEt
d
0
1000
2000
3000
4000
5000
6000
7000
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155 160 165 170 175 180


Fv
TgScoreM
d
7000
6000
5000
4000
3000
2000
1000
0
20
15
10
5
0
-5
-10
-15
-20
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155 160 165 170 175 180

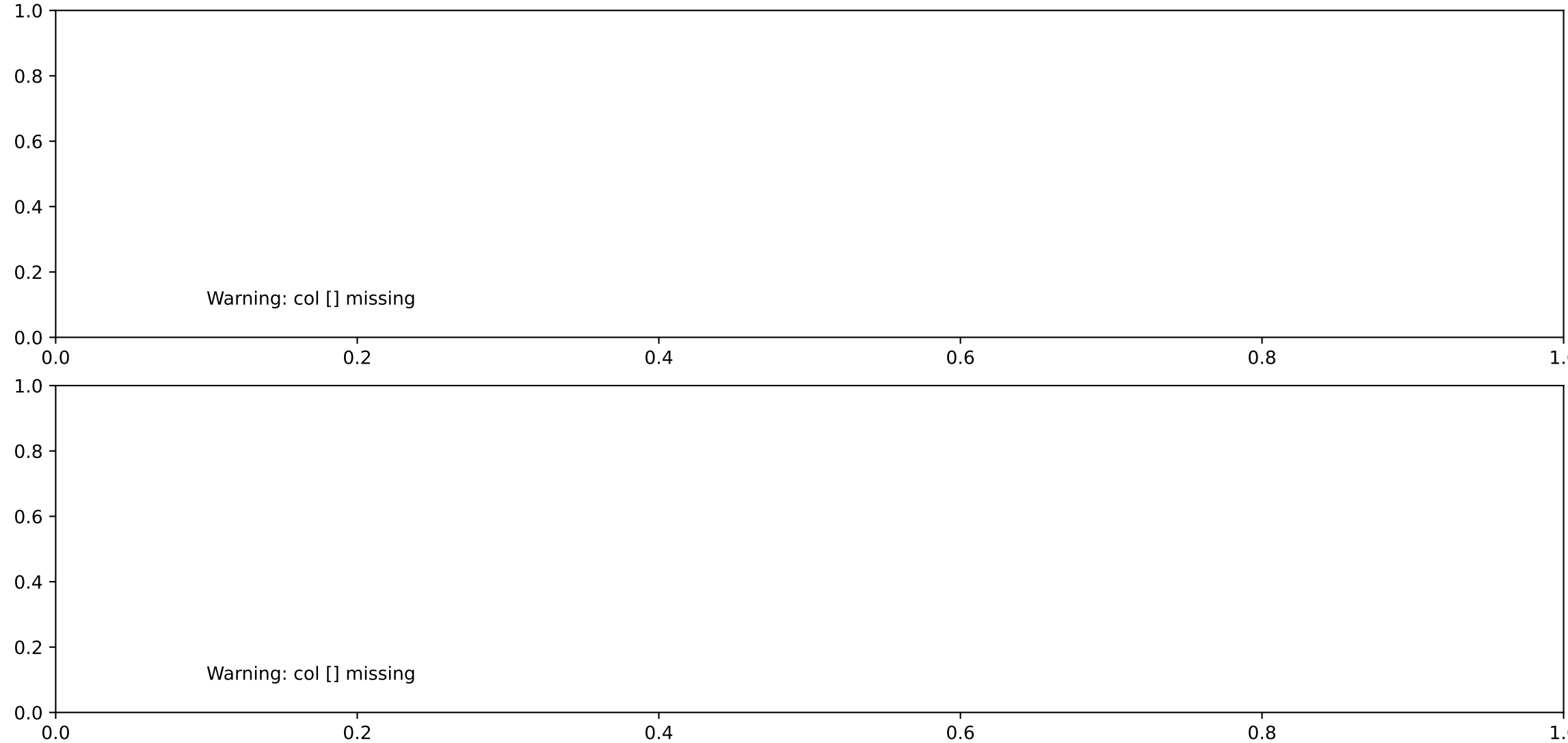
Fg Trigger Score (by Et and sensor)

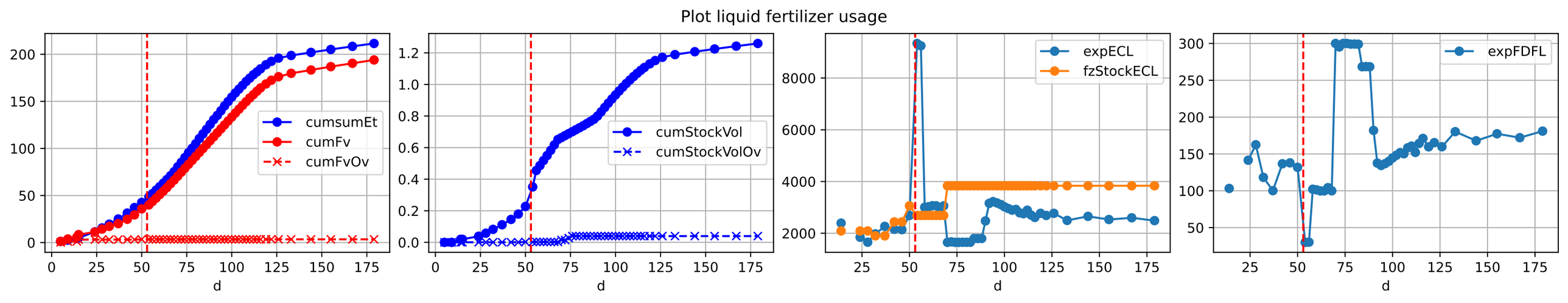


d

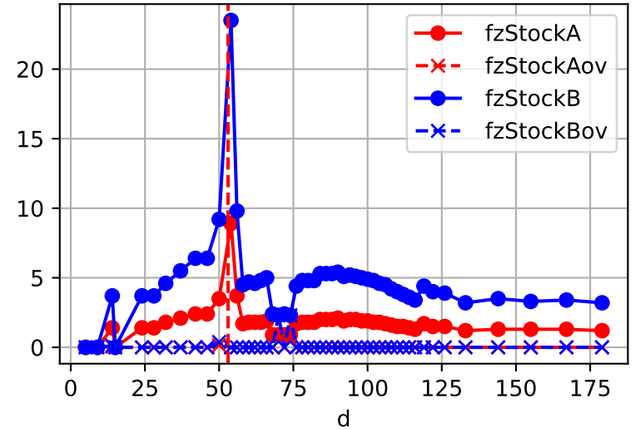


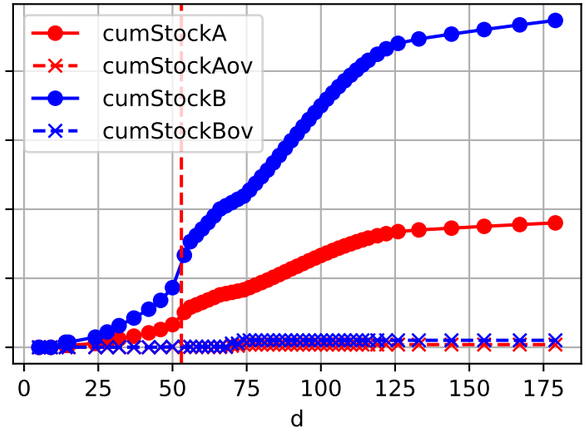
d

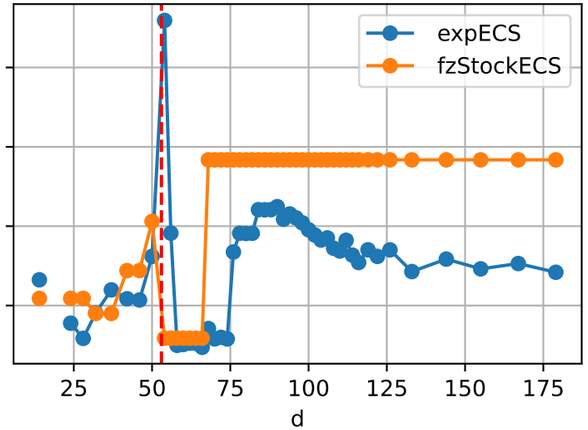


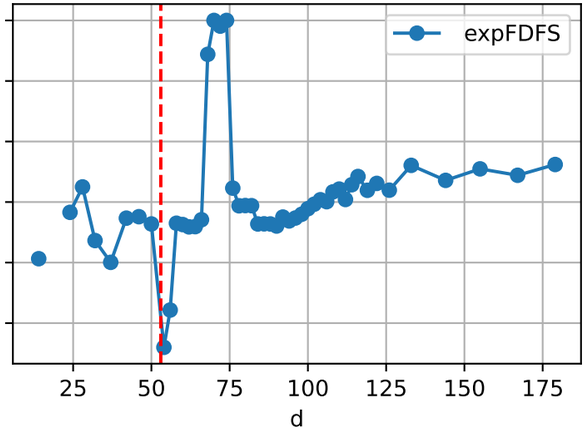

Plot liquid fertilizer usage
cumsumEt
cumFv
cumFvOv
cumStockVol
cumStockVolOv
expECL
fzStockECL
expFDFL
d
d
d
d

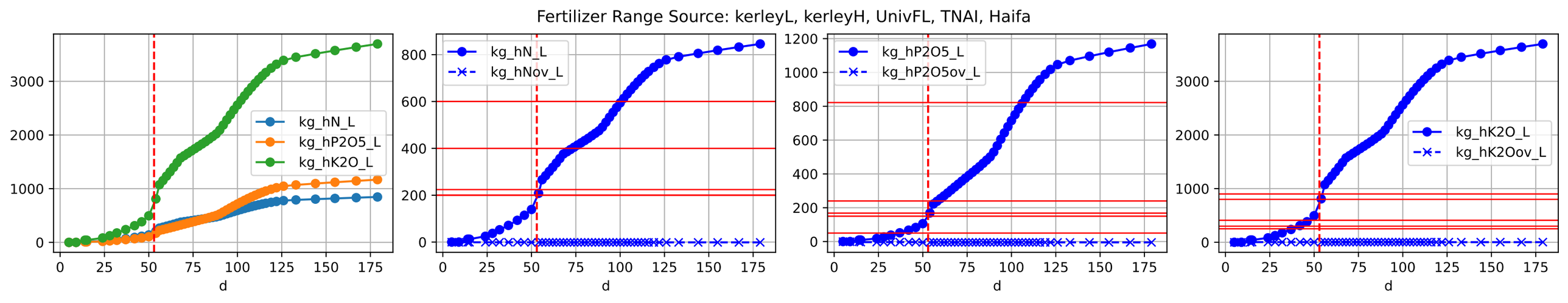
Plot solid fertilizer usage

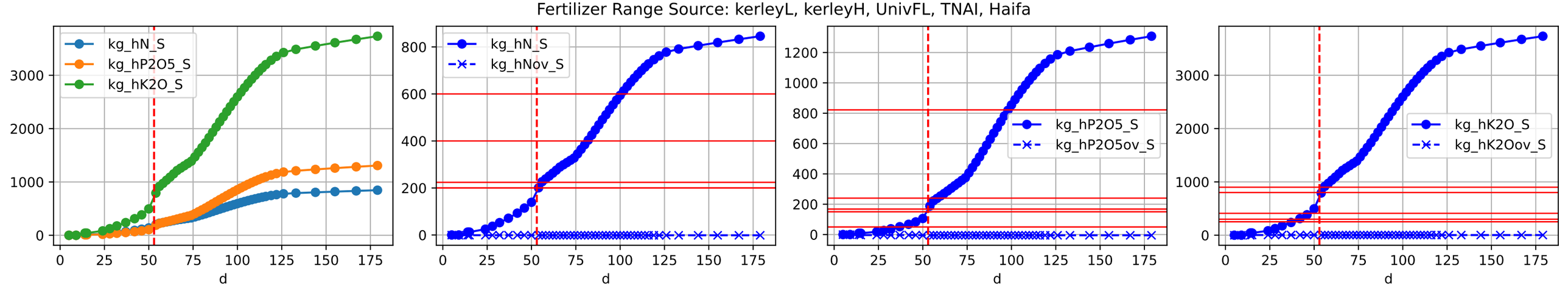









Fertilizer Range Source: kerleyL, kerleyH, UnivFL, TNAI, Haifa
kg_hN_L
kg_hP2O5_L
kg_hK2O_L
kg_hN_L
kg_hNov_L
kg_hP2O5_L
kg_hP2O5ov_L
kg_hK2O_L
kg_hK2Oov_L
d
d
d
d


Fertilizer Range Source: kerleyL, kerleyH, UnivFL, TNAI, Haifa
kg_hN_S
kg_hP2O5_S
kg_hK2O_S
kg_hNov_S
kg_hP2O5ov_S
kg_hK2Oov_S
d