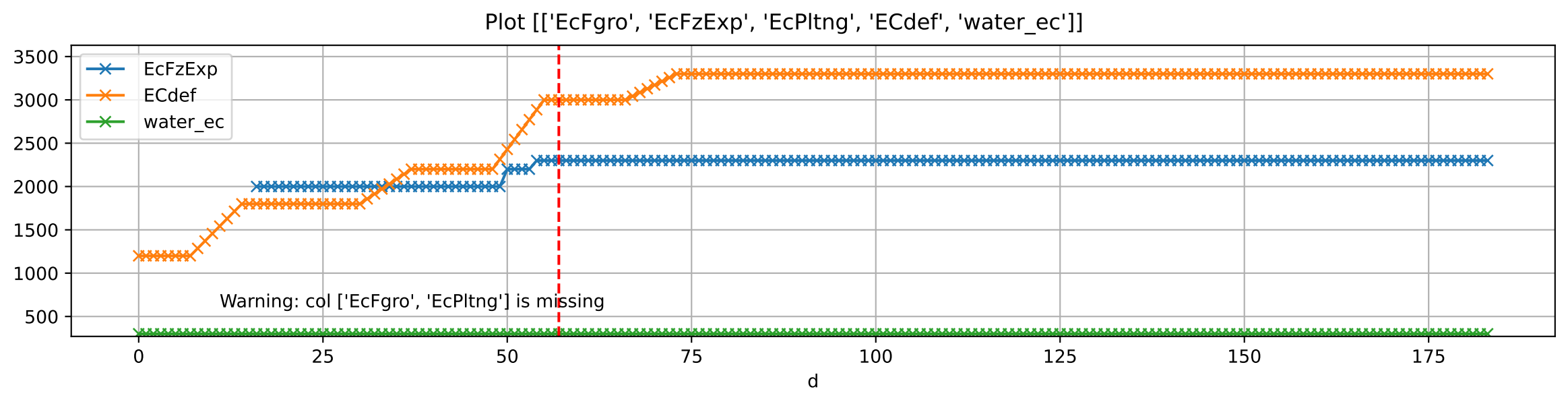
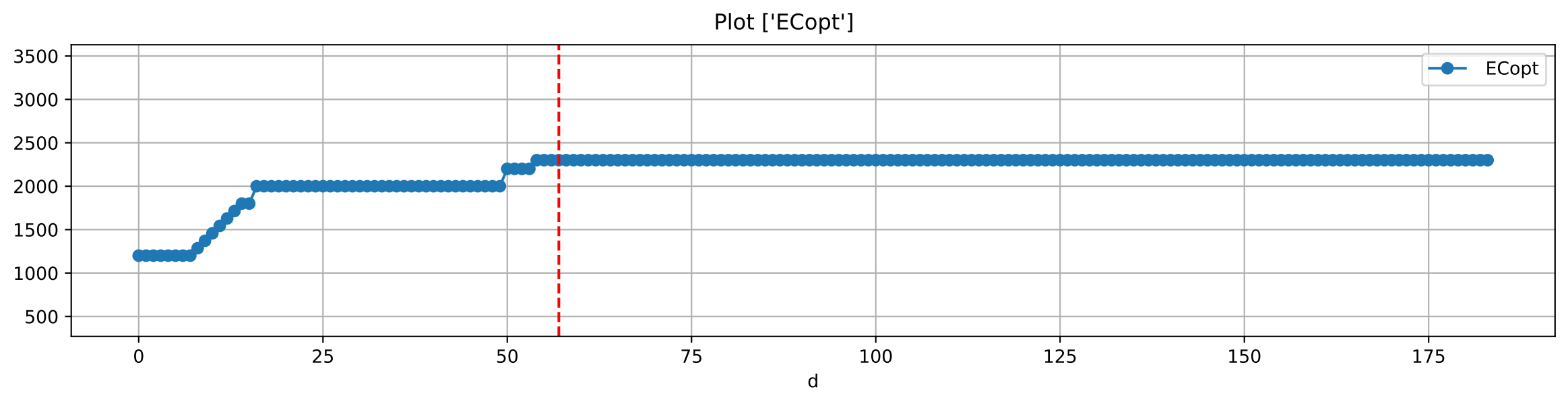
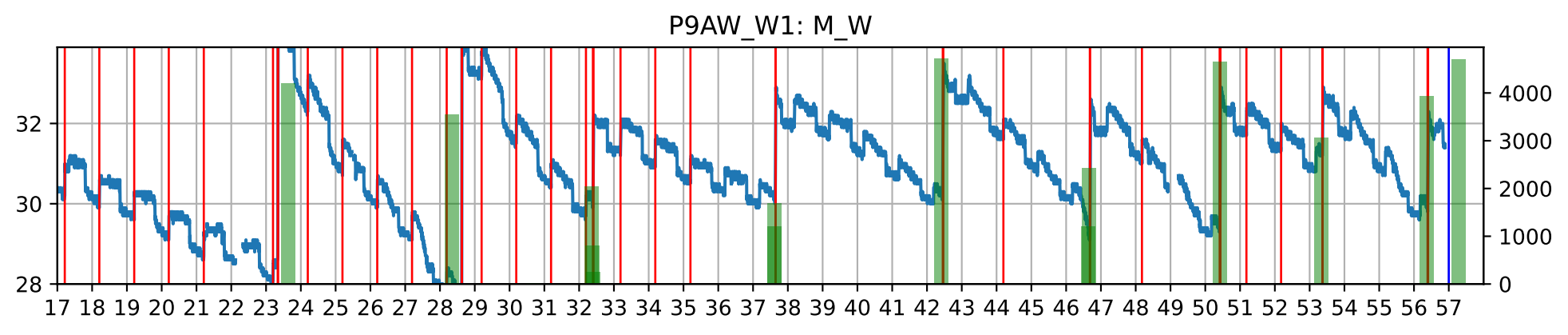
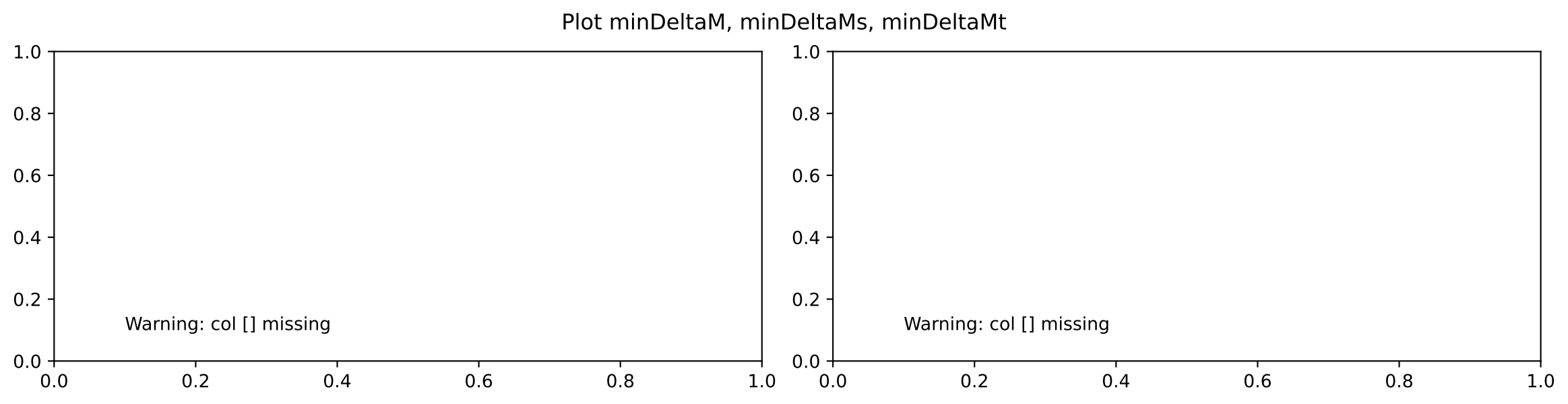
FgArea: ['W1']
NC11 P9
2025-05-27 (Day 57)

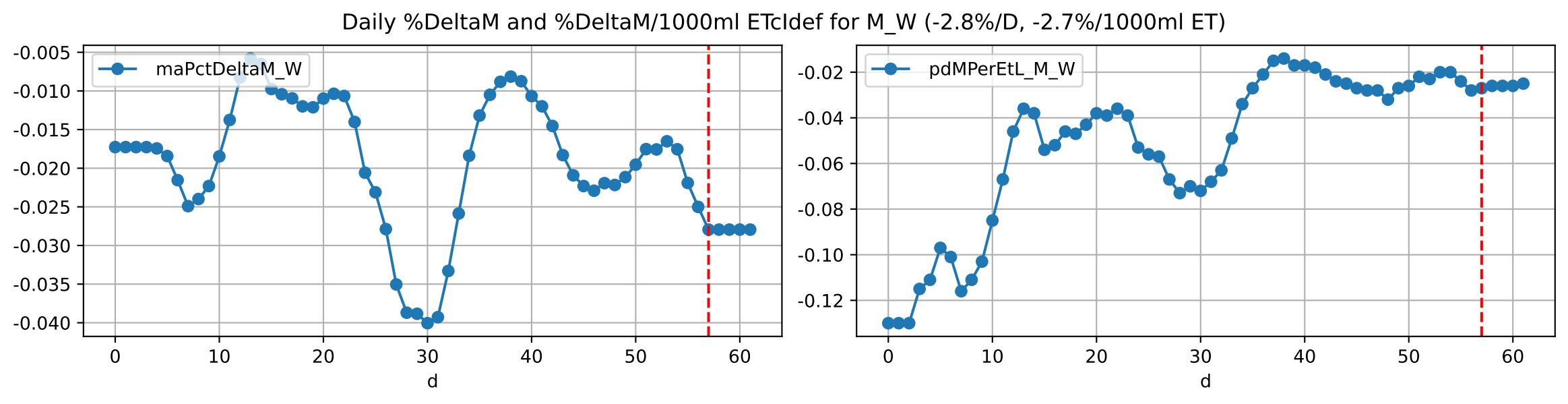

Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'water_ec']]
EcFzExp
ECdef
water_ec
Warning: col ['EcFgro', 'EcPltng'] is missing
3500
3000
2500
2000
1500
1000
500
0
25
50
75
100
125
150
175
d

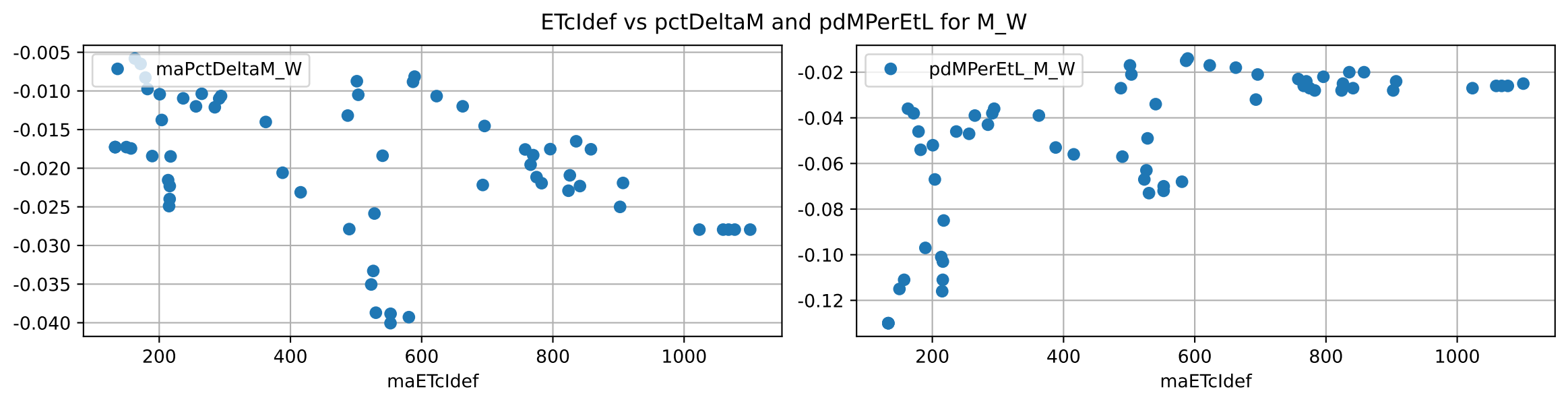

Plot ['ECopt']
ECopt
3500
3000
2500
2000
1500
1000
500
0
25
50
75
100
125
150
175
d

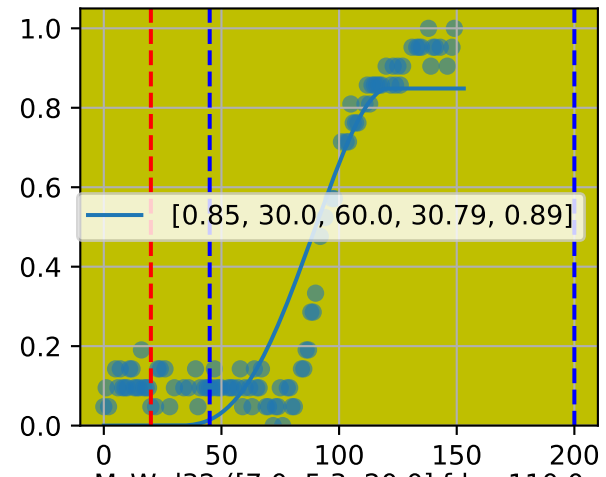

P9AW_W1: M_W
32
30
28
4000
3000
2000
1000
0
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57

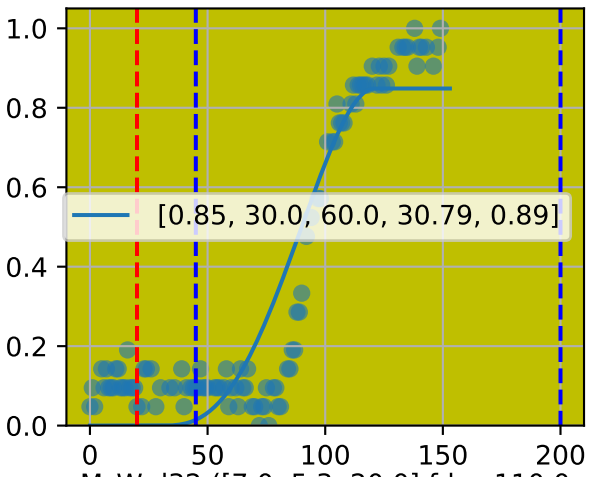
plot dfFv
fz_stock_ec
ECB
Warning: col ['ECC'] is missing
day
PHB*10%
Warning: col ['PHC'] is missing
DUC
FRV
FRC
FDF
FV_score

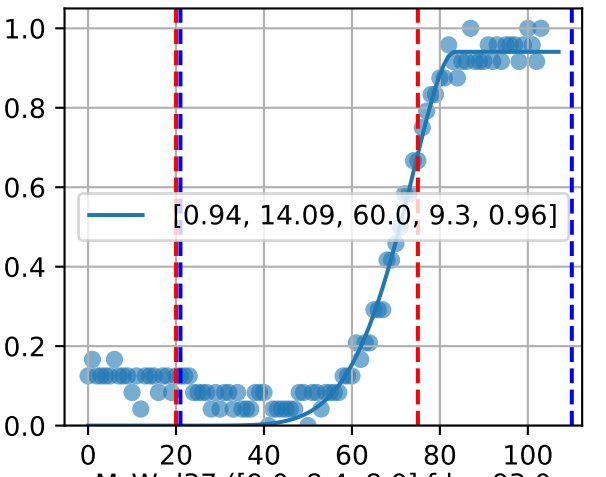

Plot minDeltaM, minDeltaMs, minDeltaMt
1.0
0.8
0.6
0.4
0.2
0.0
Warning: col [] missing
0.0
0.2
0.4
0.6
0.8
1.0
1.0
0.8
0.6
0.4
0.2
0.0
Warning: col [] missing
0.0
0.2
0.4
0.6
0.8
1.0

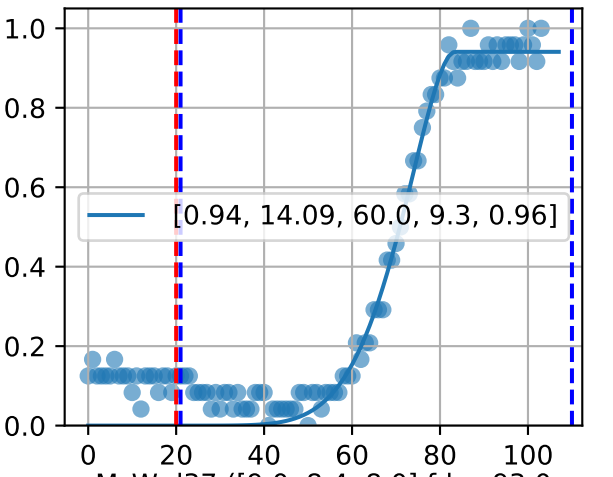

Daily %DeltaM and %DeltaM/1000ml ETcIdef for M_W (-2.8%/D, -2.7%/1000ml ET)
maPctDeltaM_W
-0.005
-0.010
-0.015
-0.020
-0.025
-0.030
-0.035
-0.040
0
10
20
30
40
50
60
d
pdMPerEtL_M_W
-0.02
-0.04
-0.06
-0.08
-0.10
-0.12
0
10
20
30
40
50
60
d

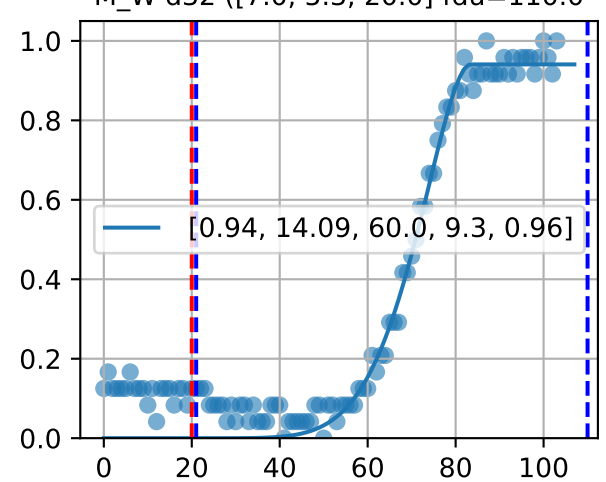

ETcIdef vs pctDeltaM and pdMPerEtL for M_W
maPctDeltaM_W
-0.005
-0.010
-0.015
-0.020
-0.025
-0.030
-0.035
-0.040
200
400
600
800
1000
maETcIdef
pdMPerEtL_M_W
-0.02
-0.04
-0.06
-0.08
-0.10
-0.12
200
400
600
800
1000
maETcIdef

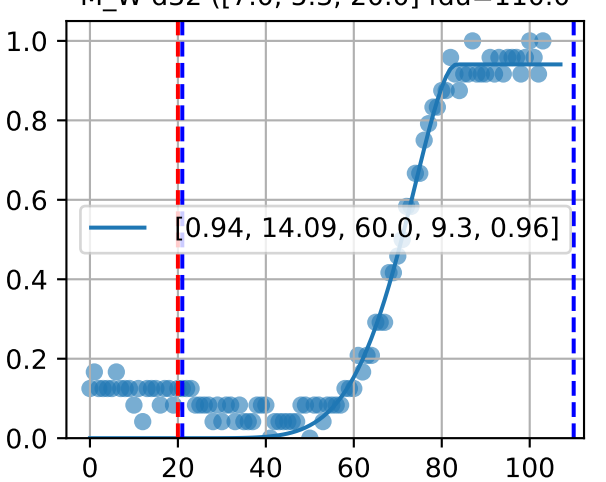

M_W d14 ([6.0, 2.1, 65.0] fdu=200.0
[0.85, 30.0, 60.0, 30.79, 0.89]

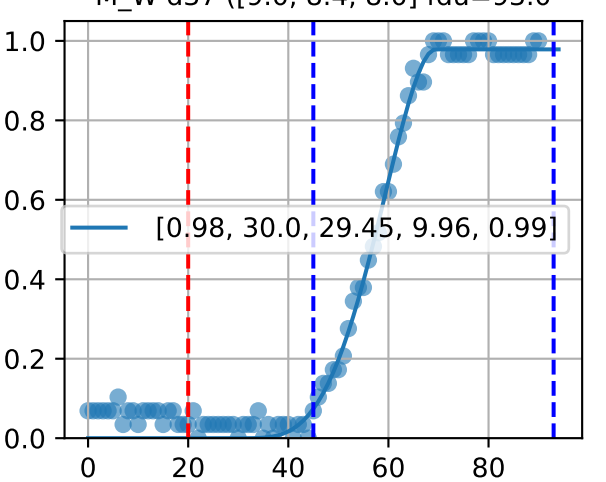

M_W d14 ([6.0, 2.1, 65.0] fdu=200.0
[0.85, 30.0, 60.0, 30.79, 0.89]

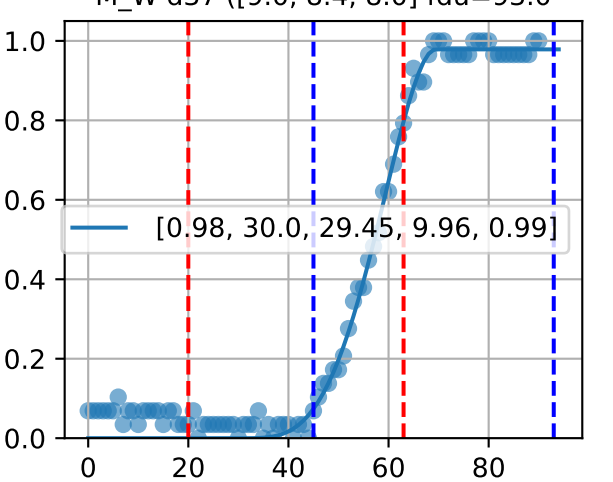

M_W d32 ([7.0, 5.3, 20.0] fdu=110.0
[0.94, 14.09, 60.0, 9.3, 0.96]

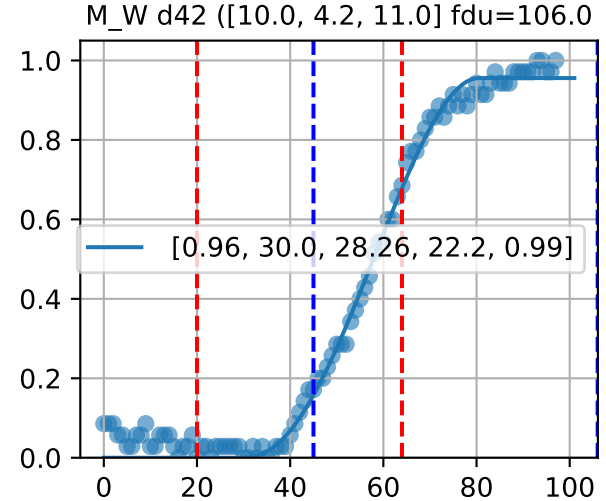

M_W d32 ([7.0, 5.3, 20.0] fdu=110.0
[0.94, 14.09, 60.0, 9.3, 0.96]

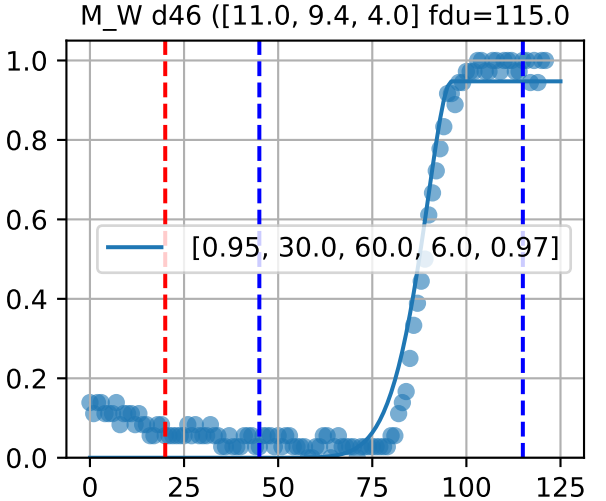

M_W d32 ([7.0, 5.3, 20.0] fdu=110.0
[0.94, 14.09, 60.0, 9.3, 0.96]

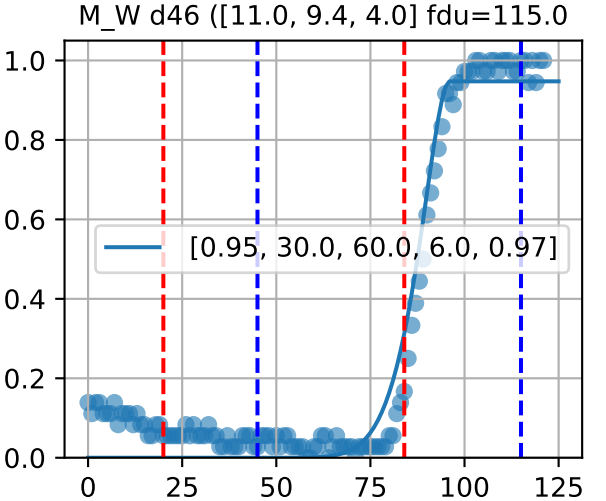

M_W d32 ([7.0, 5.3, 20.0] fdu=110.0
[0.94, 14.09, 60.0, 9.3, 0.96]

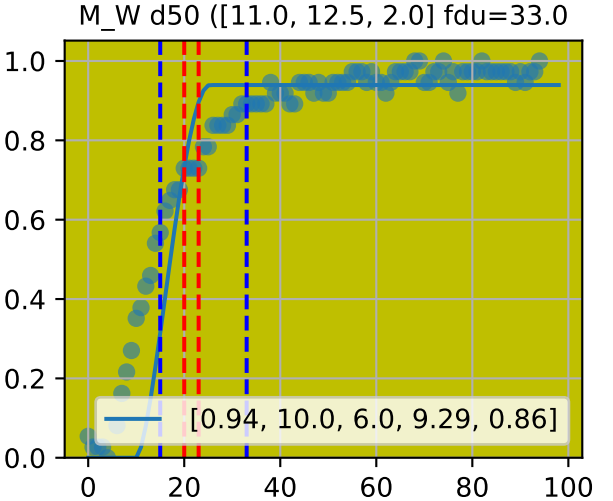

M_W d37 ([9.0, 8.4, 8.0] fdu=93.0
[0.98, 30.0, 29.45, 9.96, 0.99]

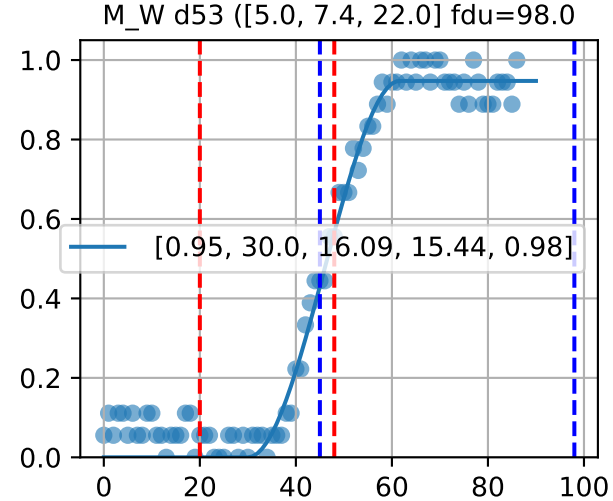

M_W d37 ([9.0, 8.4, 8.0] fdu=93.0
[0.98, 30.0, 29.45, 9.96, 0.99]

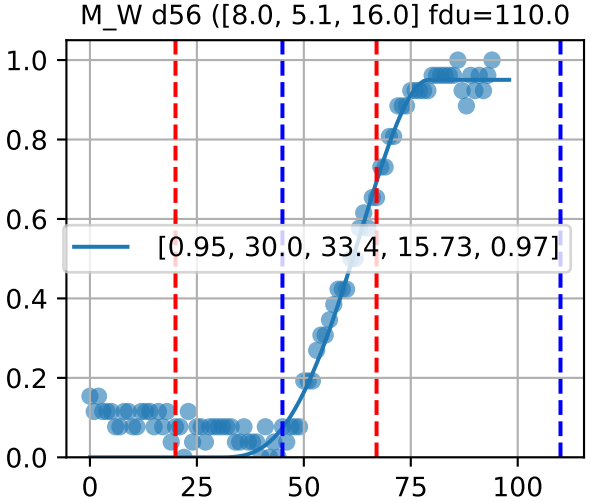

M_W d42 ([10.0, 4.2, 11.0] fdu=106.0
[0.96, 30.0, 28.26, 22.2, 0.99]

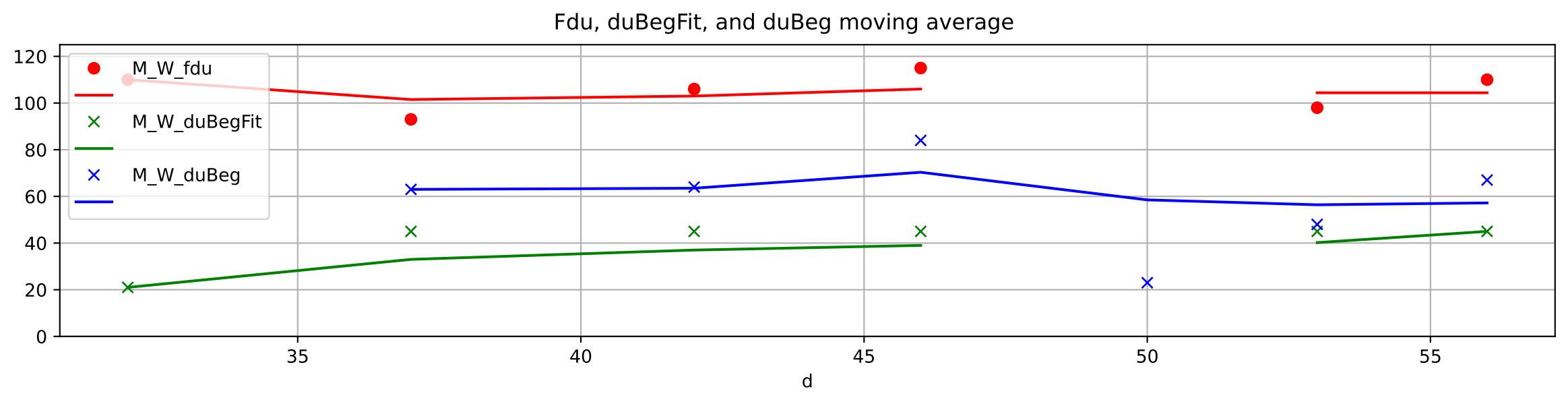

M_W d46 ([11.0, 9.4, 4.0] fdu=115.0
[0.95, 30.0, 60.0, 6.0, 0.97]

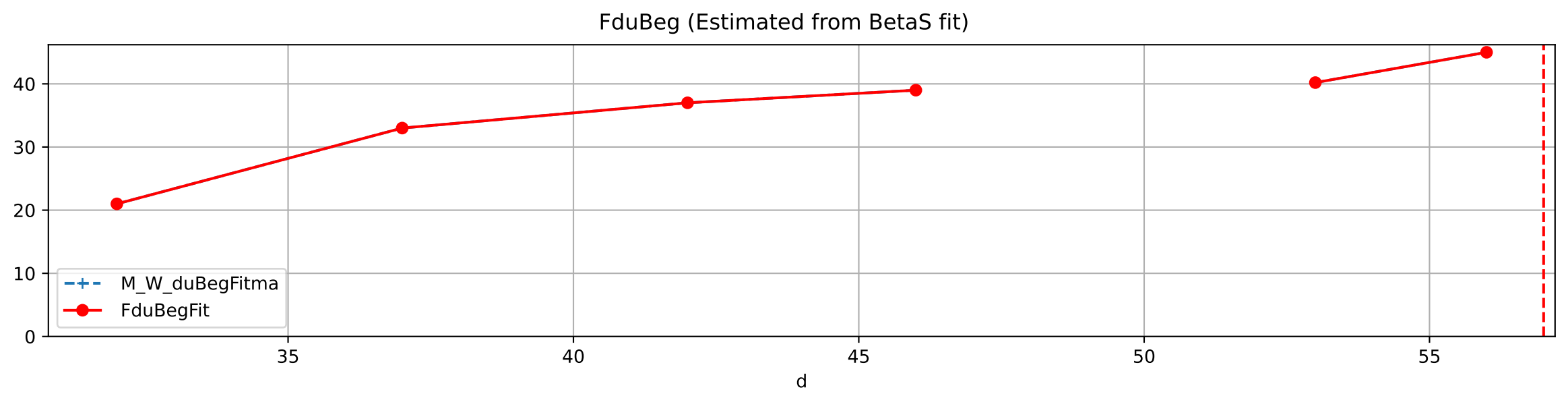

M_W d46 ([11.0, 9.4, 4.0] fdu=115.0
[0.95, 30.0, 60.0, 6.0, 0.97]

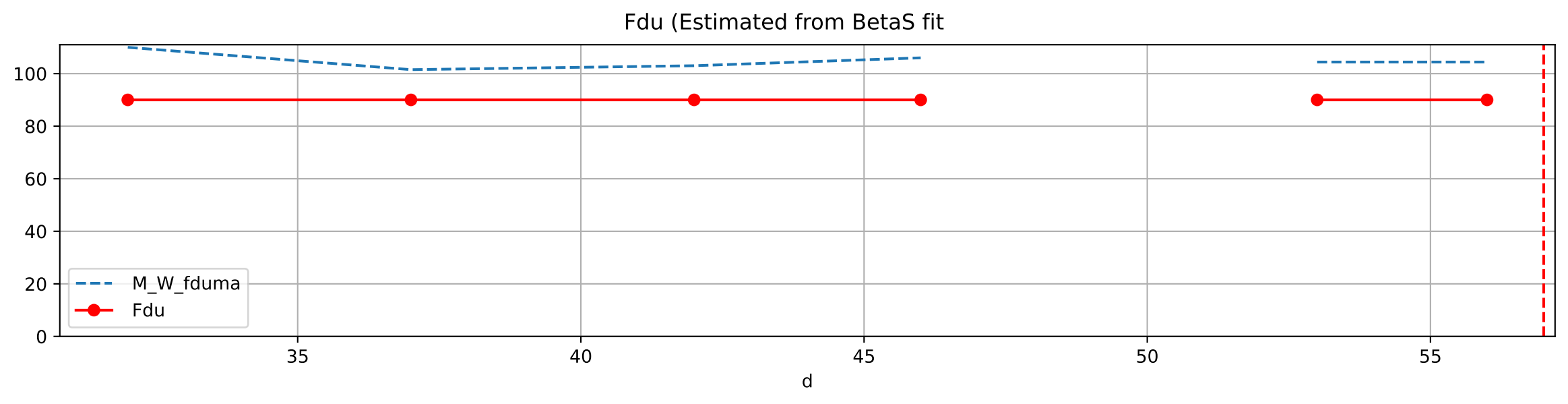

M_W d50 ([11.0, 12.5, 2.0] fdu=33.0
[0.94, 10.0, 6.0, 9.29, 0.86]

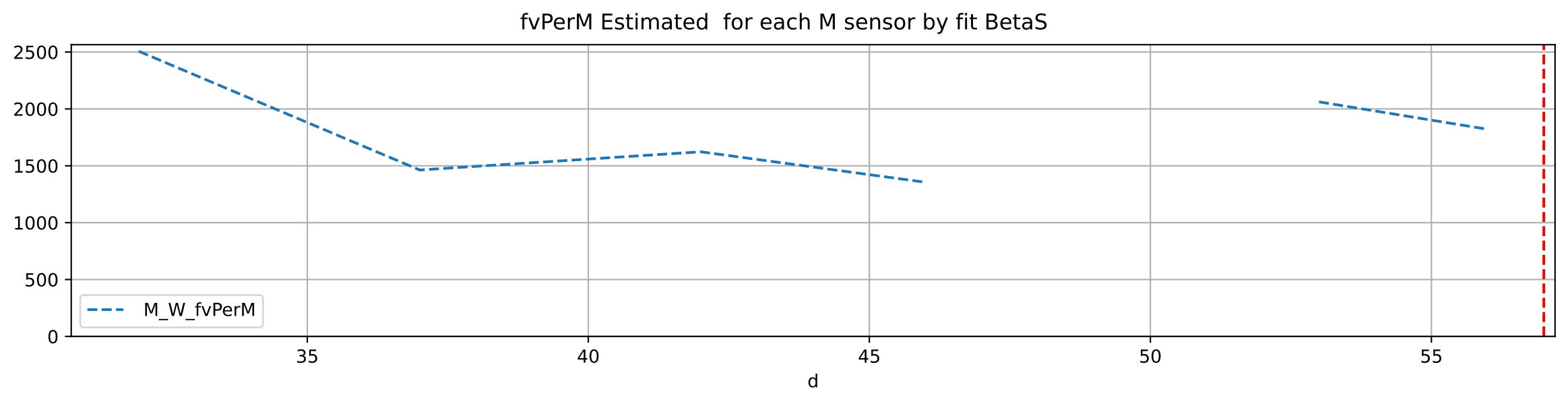

M_W d53 ([5.0, 7.4, 22.0] fdu=98.0
[0.95, 30.0, 16.09, 15.44, 0.98]

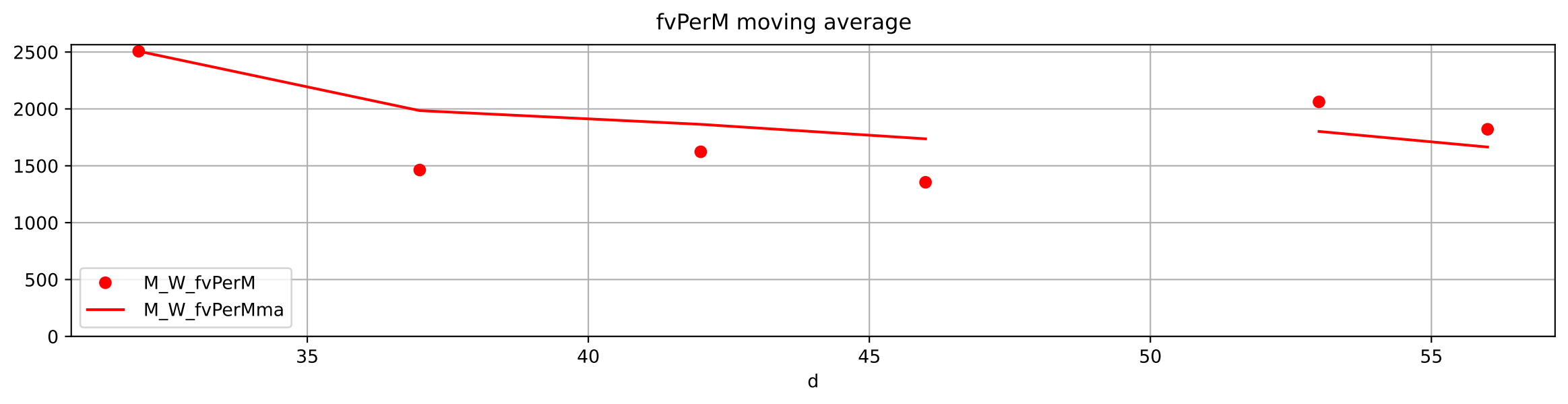

M_W d56 ([8.0, 5.1, 16.0] fdu=110.0
[0.95, 30.0, 33.4, 15.73, 0.97]

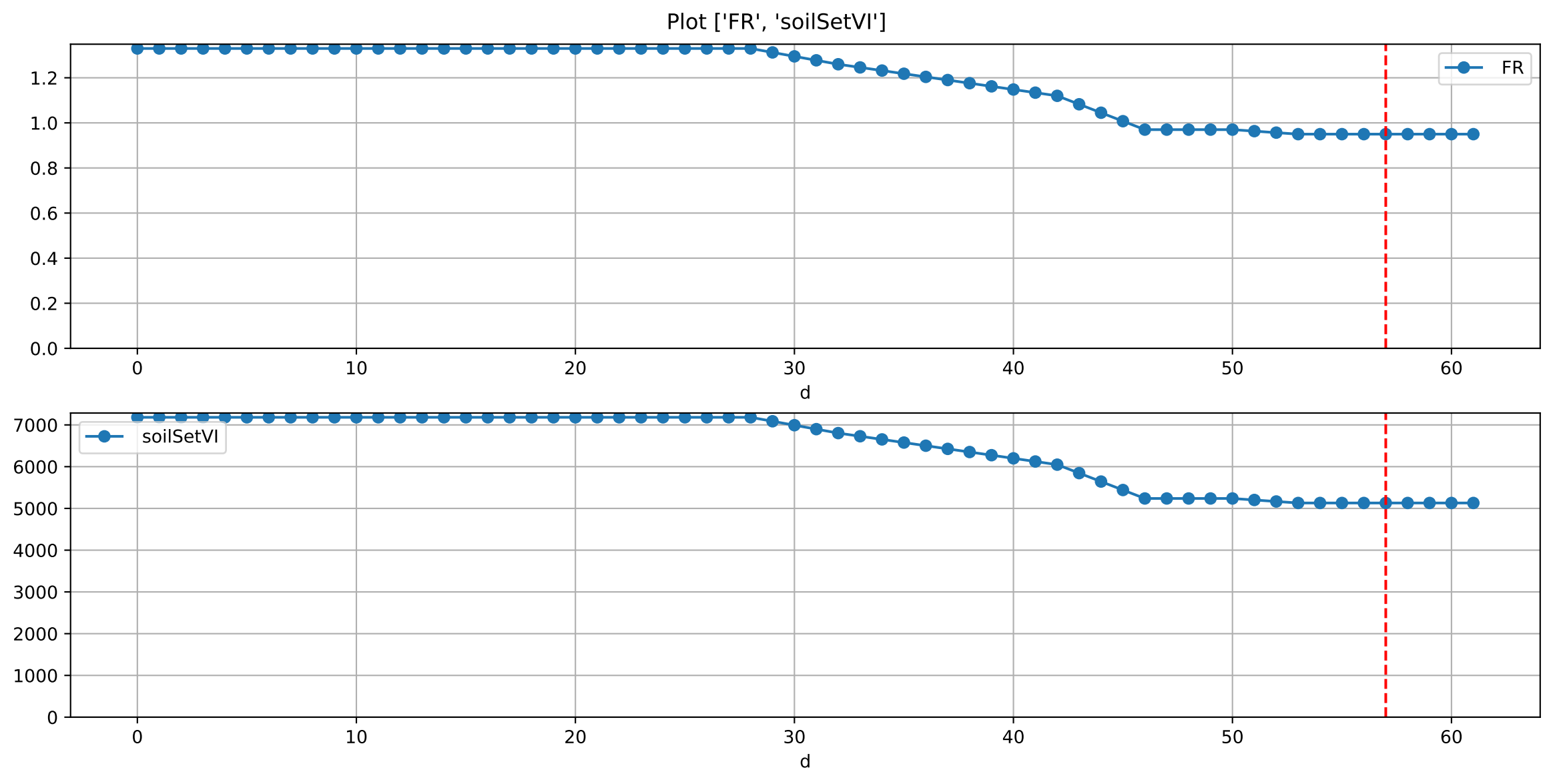

Fdu, duBegFit, and duBeg moving average
M_W_fdu
M_W_duBegFit
M_W_duBeg
120
100
80
60
40
20
0
35
40
45
50
55
d

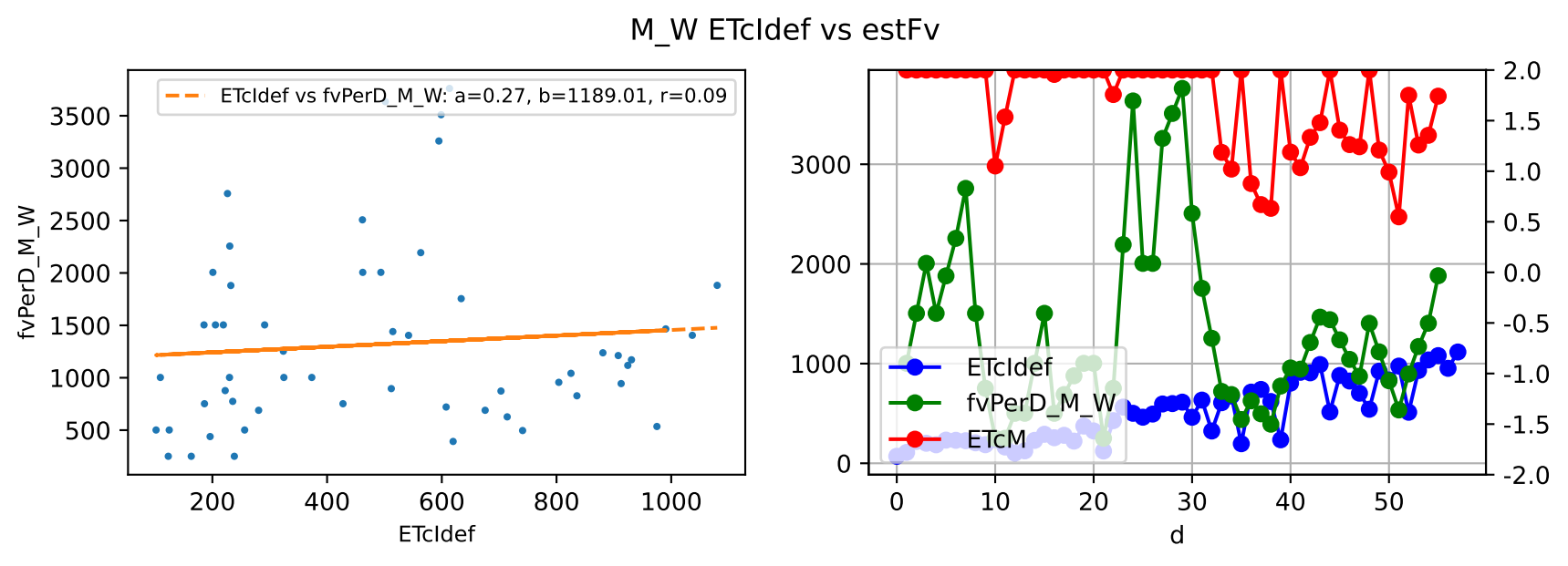

FduBeg (Estimated from BetaS fit)
40
30
20
10
0
35
40
45
50
55
d
M_W_duBegFitma
FduBegFit

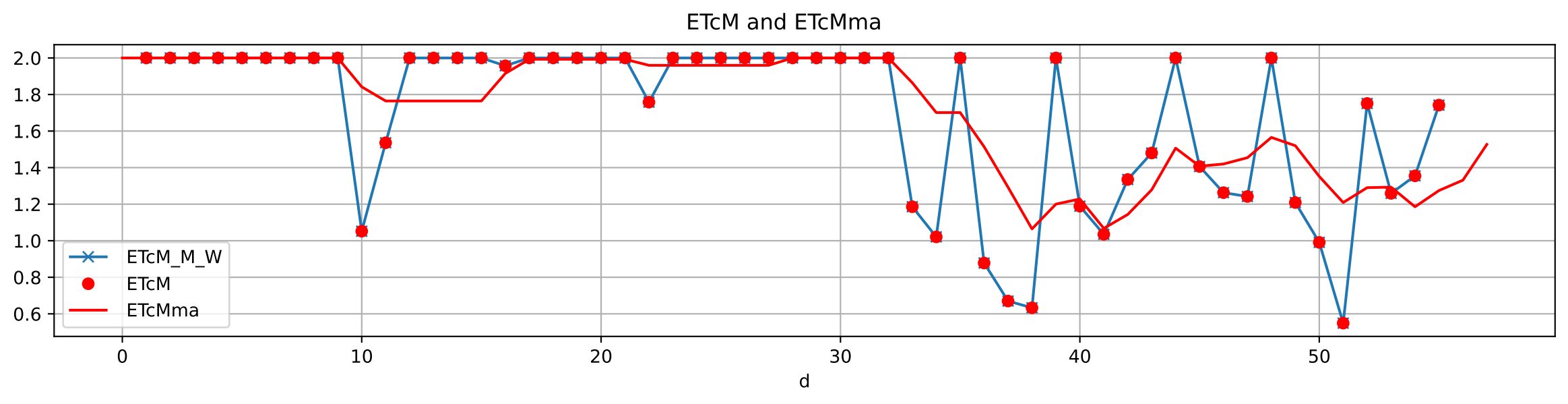

Fdu (Estimated from BetaS fit
100
80
60
40
20
0
35
40
45
50
55
d
M_W_fduma
Fdu


fvPerM Estimated for each M sensor by fit BetaS
2500
2000
1500
1000
500
0
35
40
45
50
55
d
M_W_fvPerM

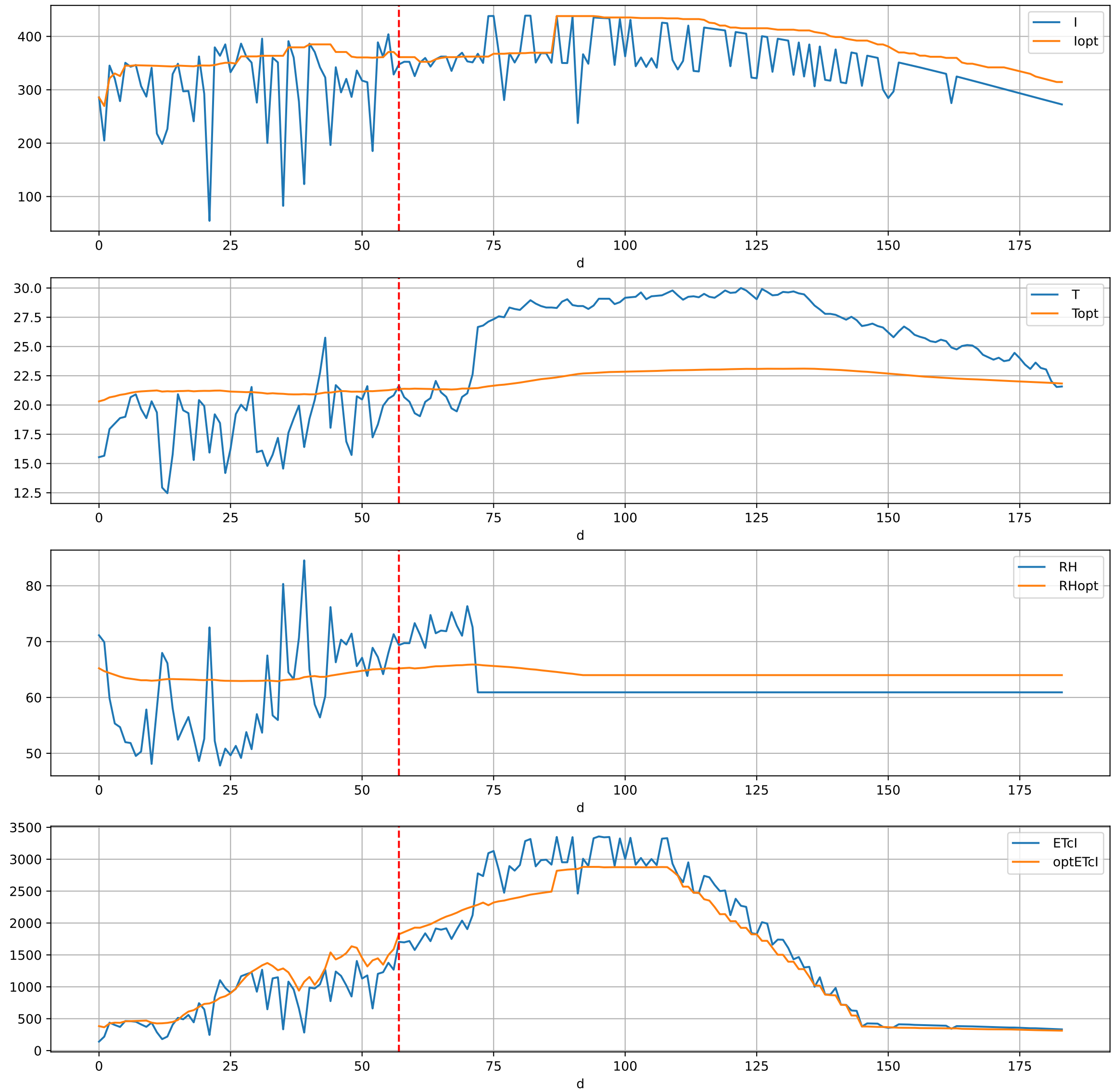

fvPerM moving average
2500
2000
1500
1000
500
0
35
40
45
50
55
d
M_W_fvPerM
M_W_fvPerMma

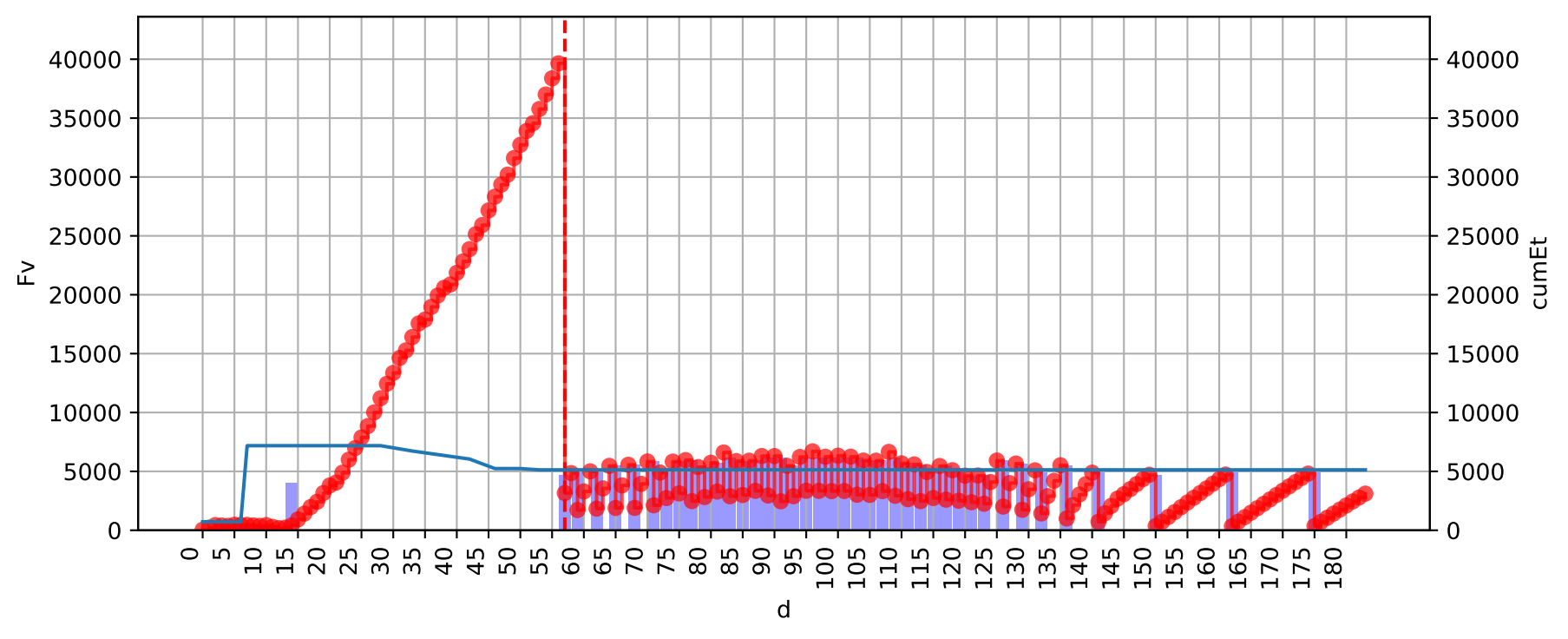

Plot ['FR', 'soilSetVI']
FR
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
40
50
60
d
soilSetVI
7000
6000
5000
4000
3000
2000
1000
0
0
10
20
30
40
50
60
d

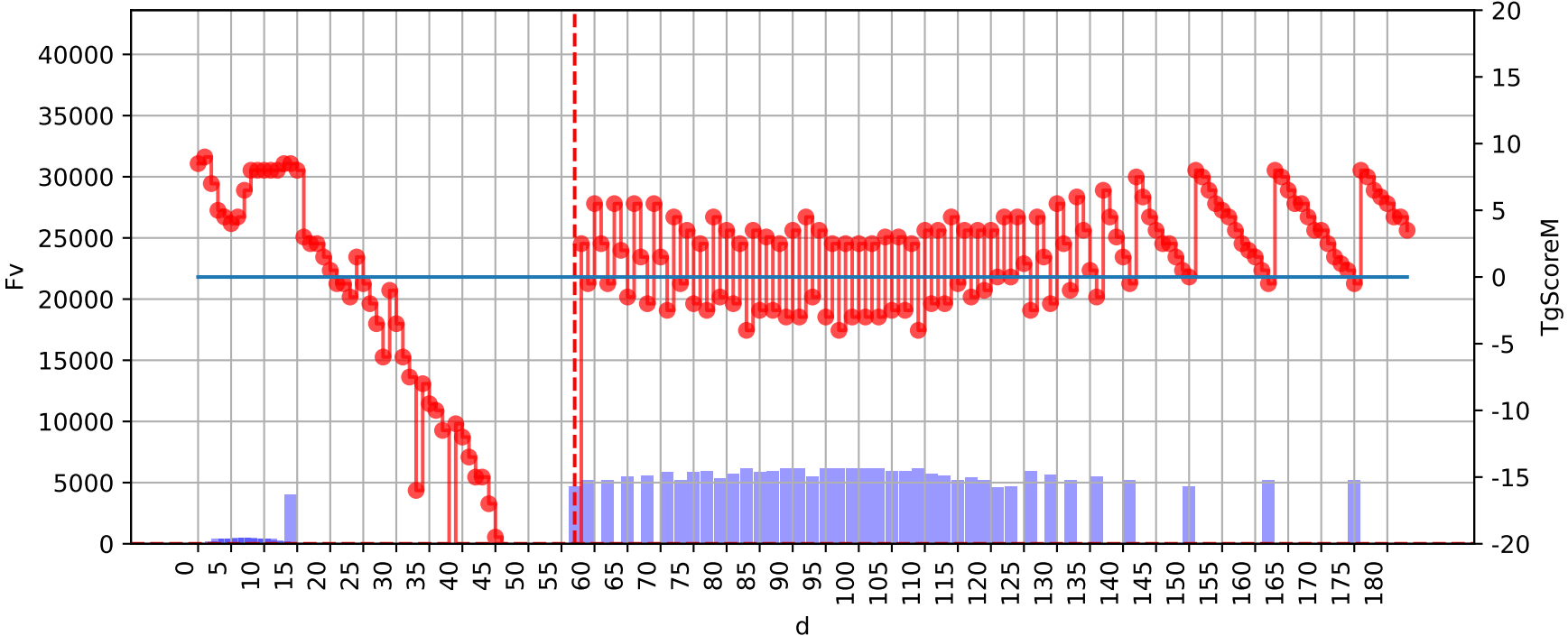

M_W ETcIdef vs estFv
ETcIdef vs fvPerD_M_W: a=0.27, b=1189.01, r=0.09
fvPerD_M_W
ETcIdef
ETcIdef
fvPerD_M_W
ETcM
d

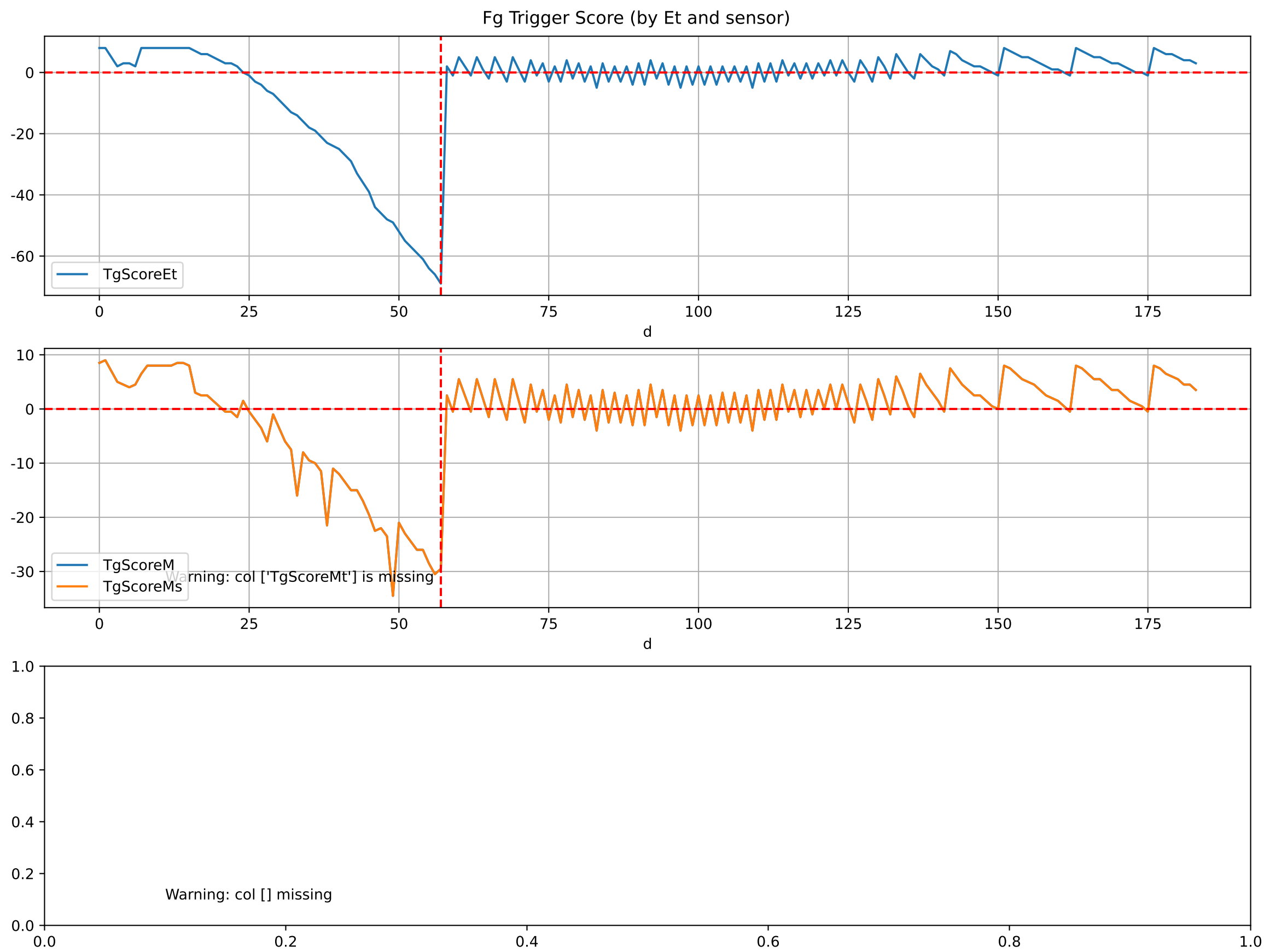

ETcM and ETcMma
2.0
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0
10
20
30
40
50
d
ETcM_M_W
ETcM
ETcMma

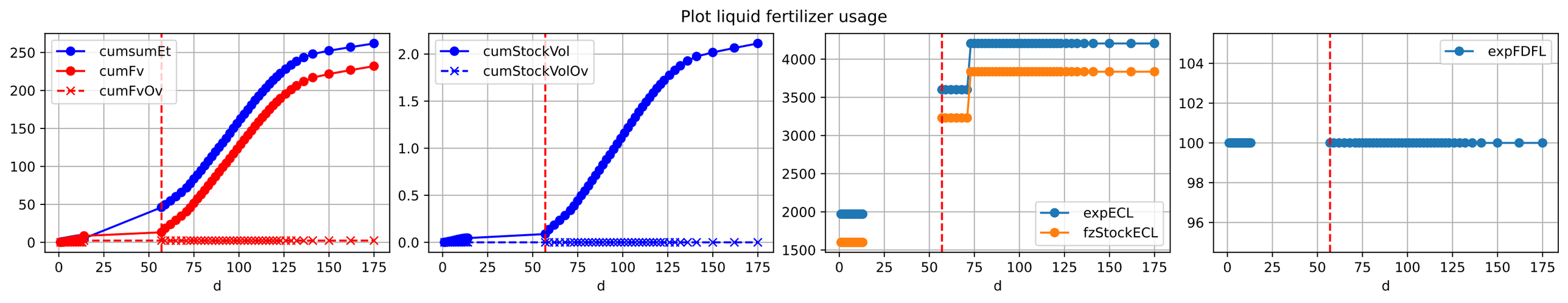
Plot [['I', 'Iopt'], ['T', 'Topt'], ['RH', 'RHopt'], ['ETcI', 'optETcI'], 'LAI', 'optEtRate']

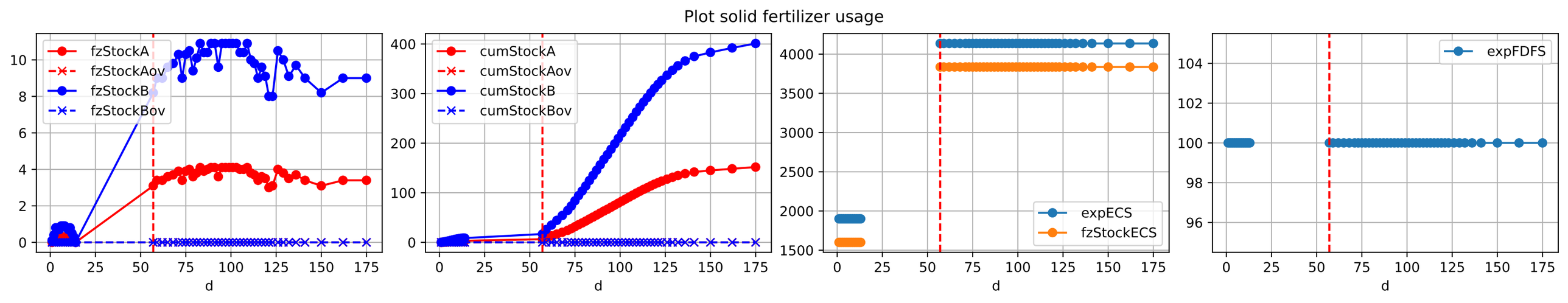



Fv
cumEt
d
0
5000
10000
15000
20000
25000
30000
35000
40000
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155 160 165 170 175 180

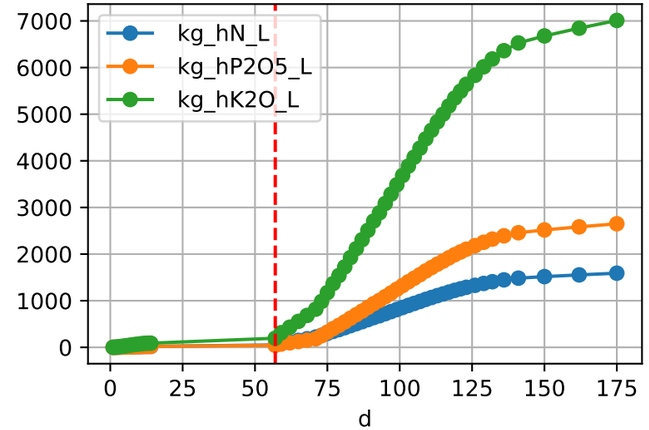

Fv
TgScoreM
d
40000
35000
30000
25000
20000
15000
10000
5000
0
20
15
10
5
0
-5
-10
-15
-20
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155 160 165 170 175 180

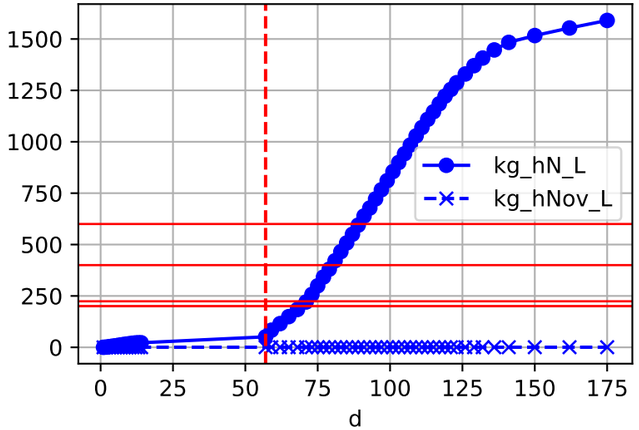

Fg Trigger Score (by Et and sensor)
TgScoreEt
d
TgScoreM
TgScoreMs
Warning: col ['TgScoreMt'] is missing
d
Warning: col [] missing
TgScore_M_W
d

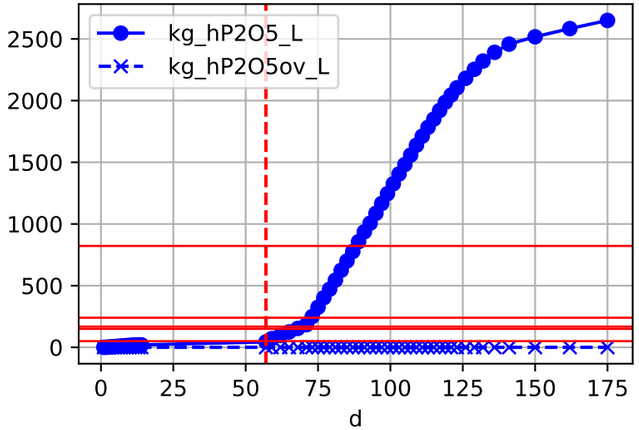

Plot liquid fertilizer usage
cumsumEt
cumFv
cumFvOv
d
cumStockVol
cumStockVolOv
d
expECL
fzStockECL
d
expFDFL
d

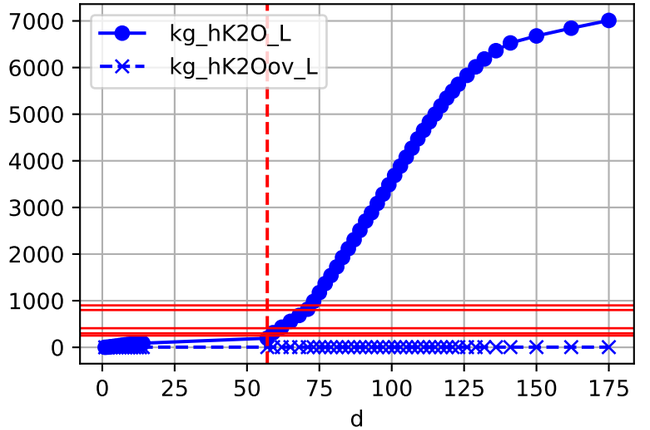

Plot solid fertilizer usage
fzStockA
fzStockAov
fzStockB
fzStockBov
cumStockA
cumStockAov
cumStockB
cumStockBov
expECS
fzStockECS
expFDFS
d

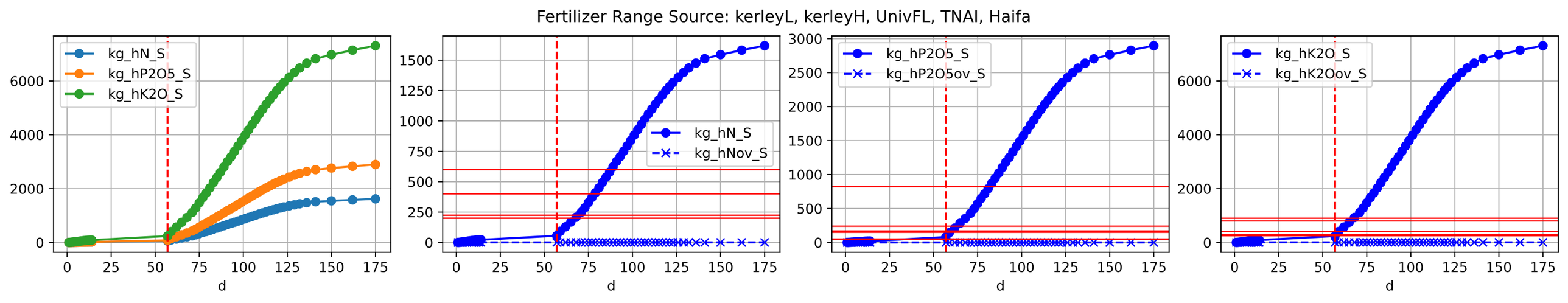
Fertilizer Range Source: kerleyL, kerleyH, UnivFL, TNAI, Haifa










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