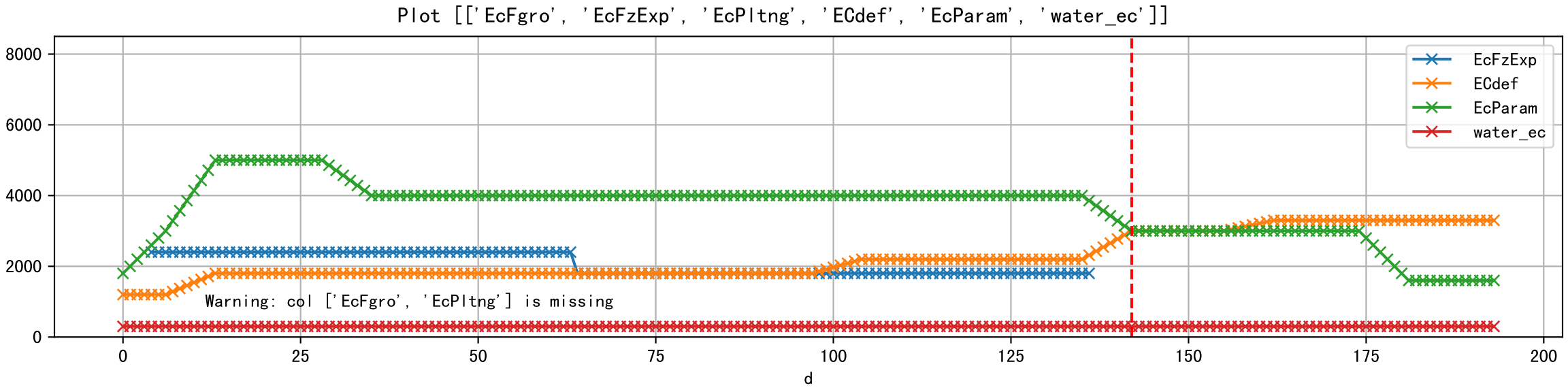
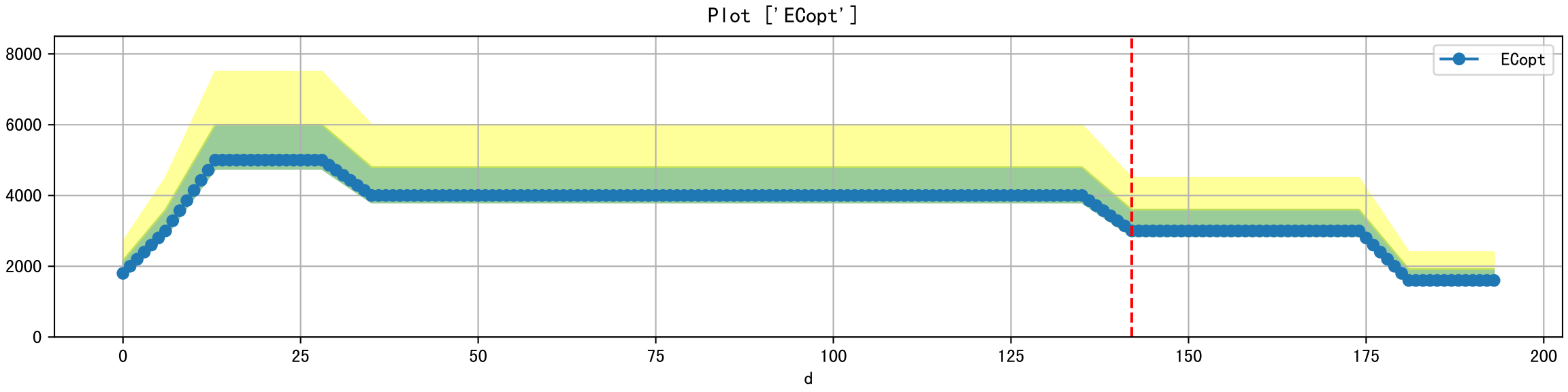
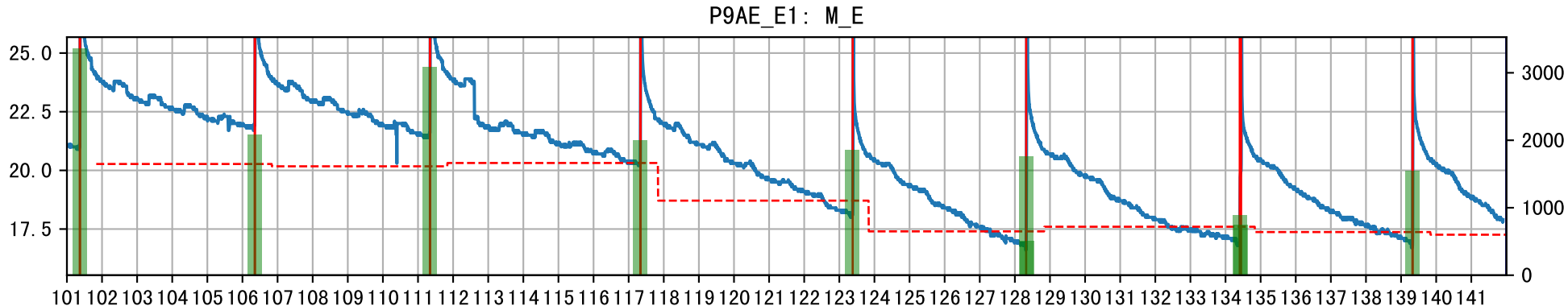
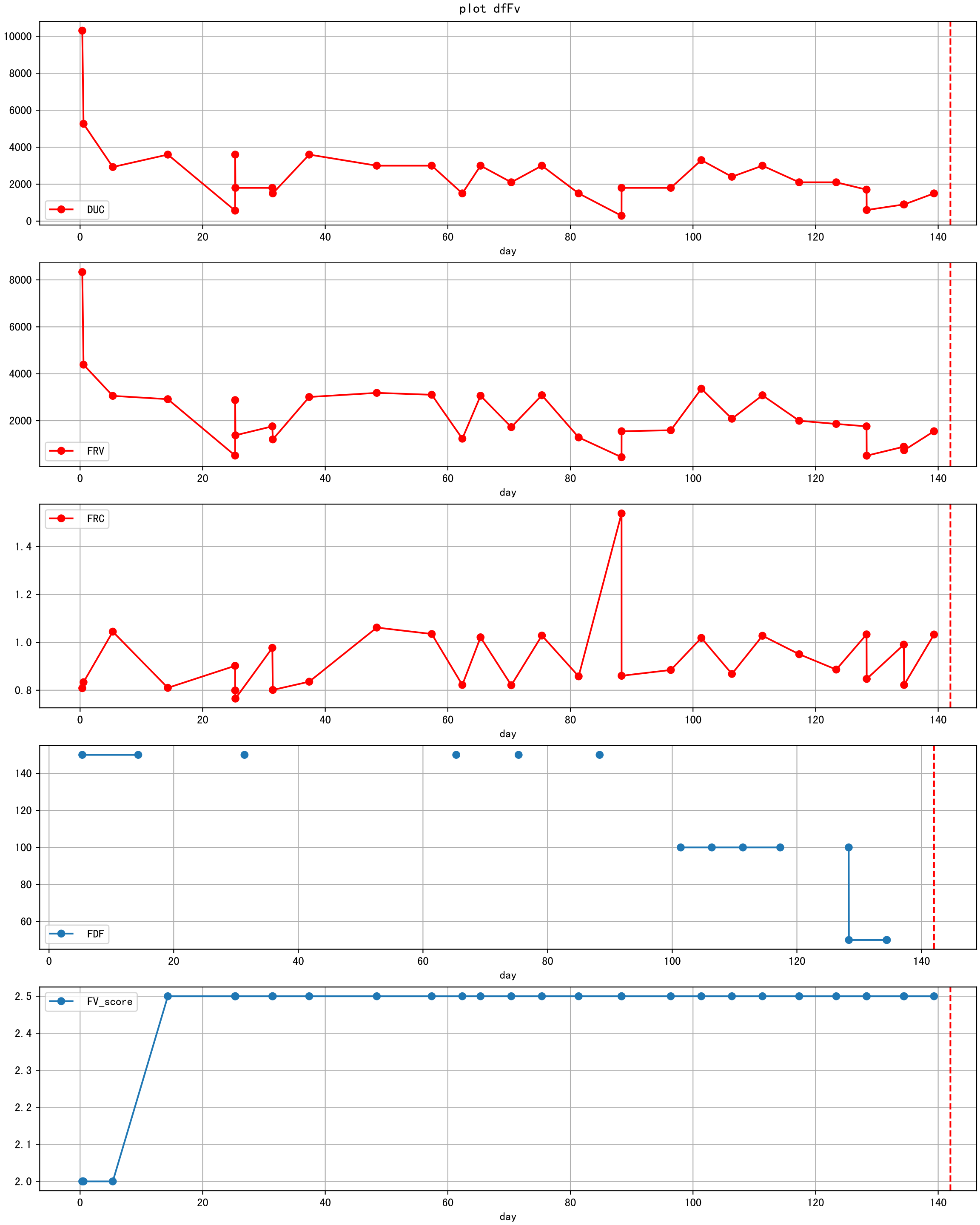
FgArea: ['E1']
NC11 P9
2026-03-10 (Day 142)

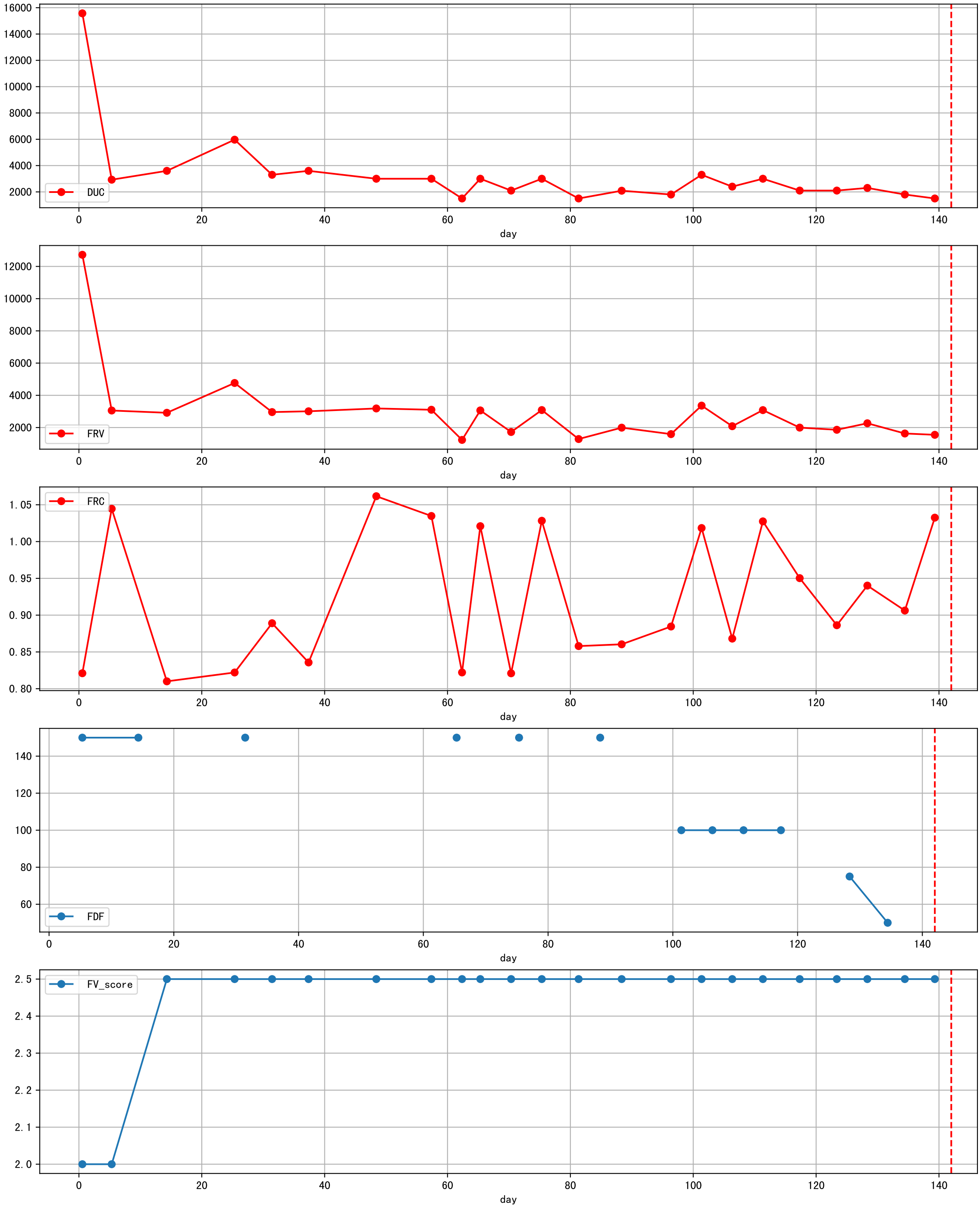

Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'EcParam', 'water_ec']]
EcFzExp
ECdef
EcParam
water_ec
Warning: col ['EcFgro', 'EcPltng'] is missing
8000
6000
4000
2000
0
0
25
50
75
100
125
150
175
200
d

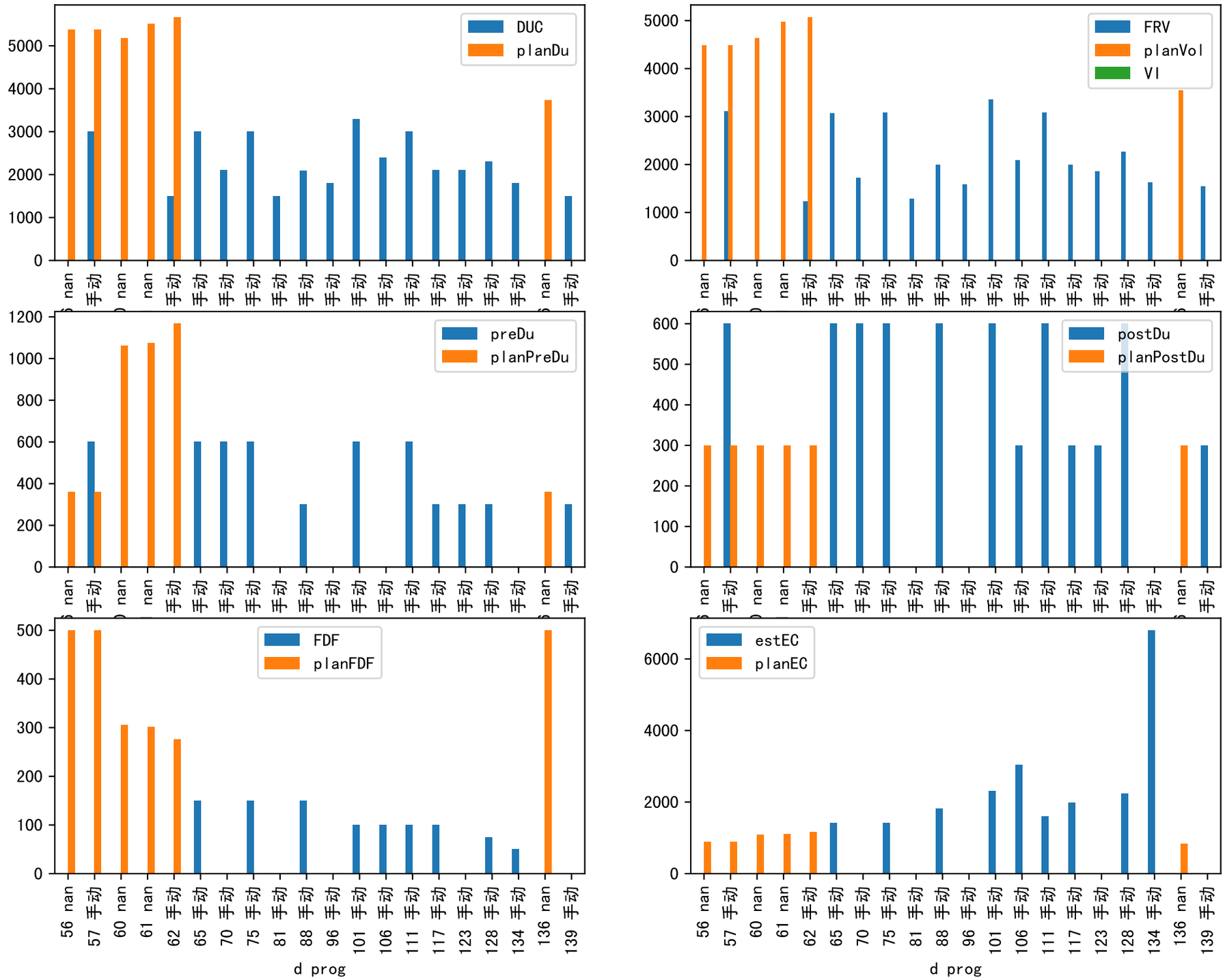

Plot ['ECopt']
ECopt
8000
6000
4000
2000
0
0
25
50
75
100
125
150
175
200
d


P9AE_E1: M_E
25.0
22.5
20.0
17.5
3000
2000
1000
0
101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141

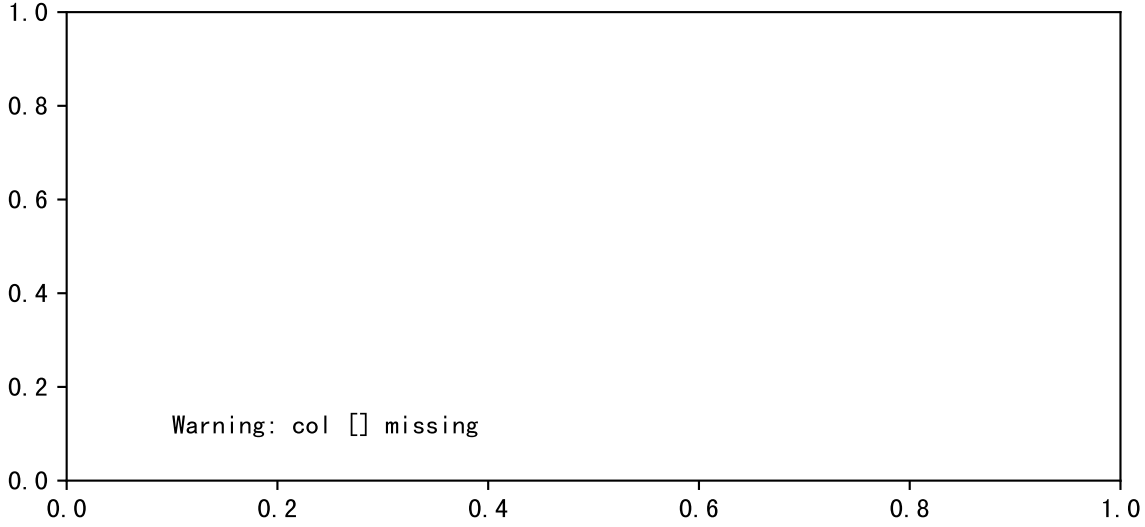

plot dfFv
DUC
FRV
FRC
FDF
FV_score
day

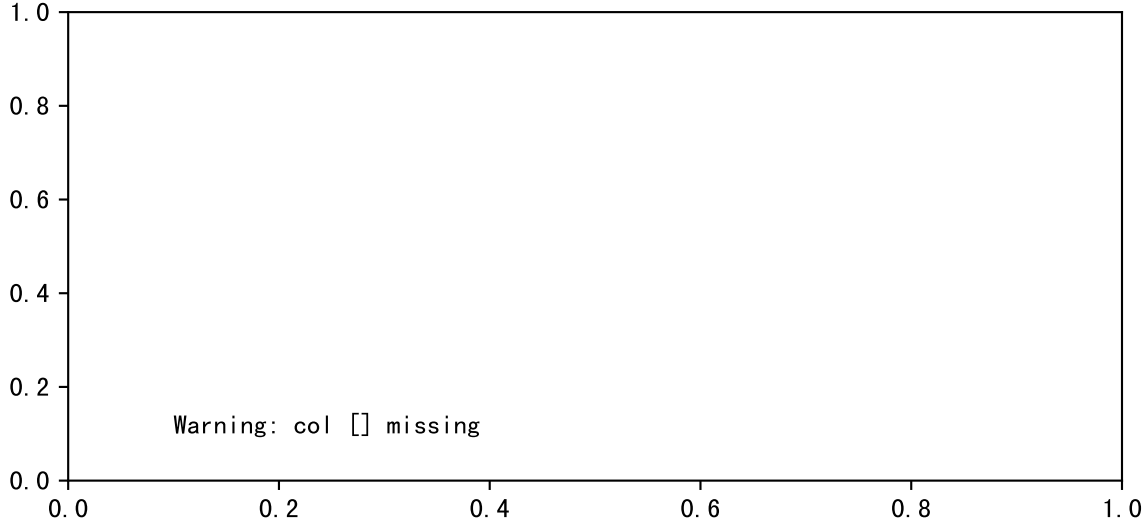
plot dfFv (daily Agg)



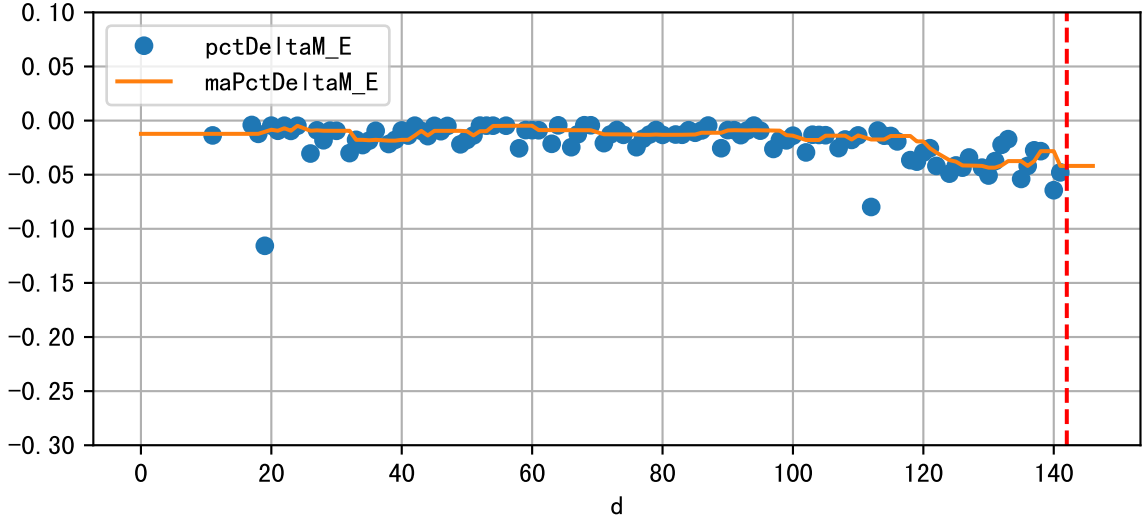

DUC
planDu
FRV
planVol
VI
preDu
planPreDu
postDu
planPostDu
FDF
planFDF
estEC
planEC
d prog
d prog

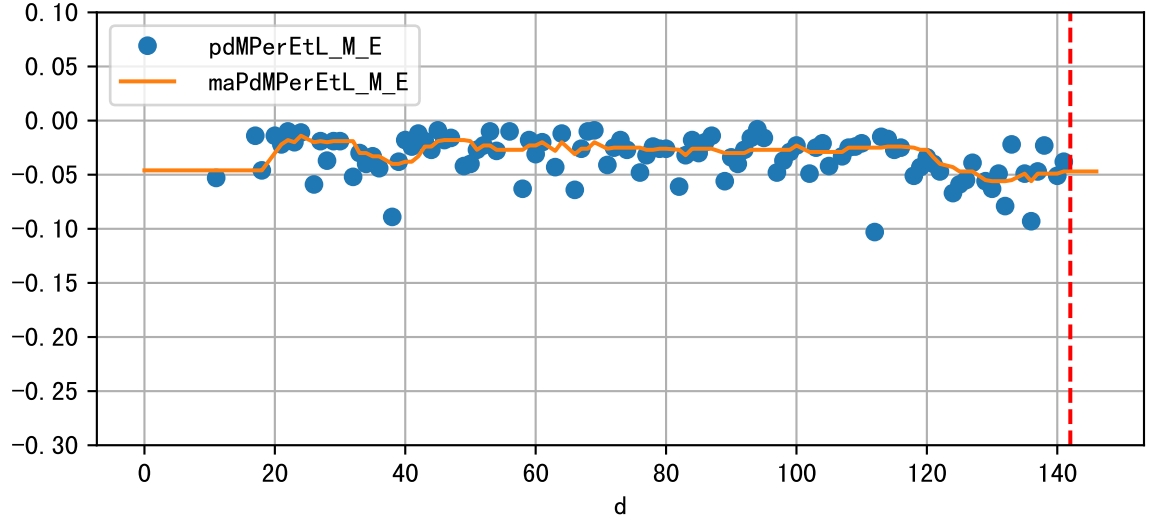
Plot minDeltaM, minDeltaMs, minDeltaMt



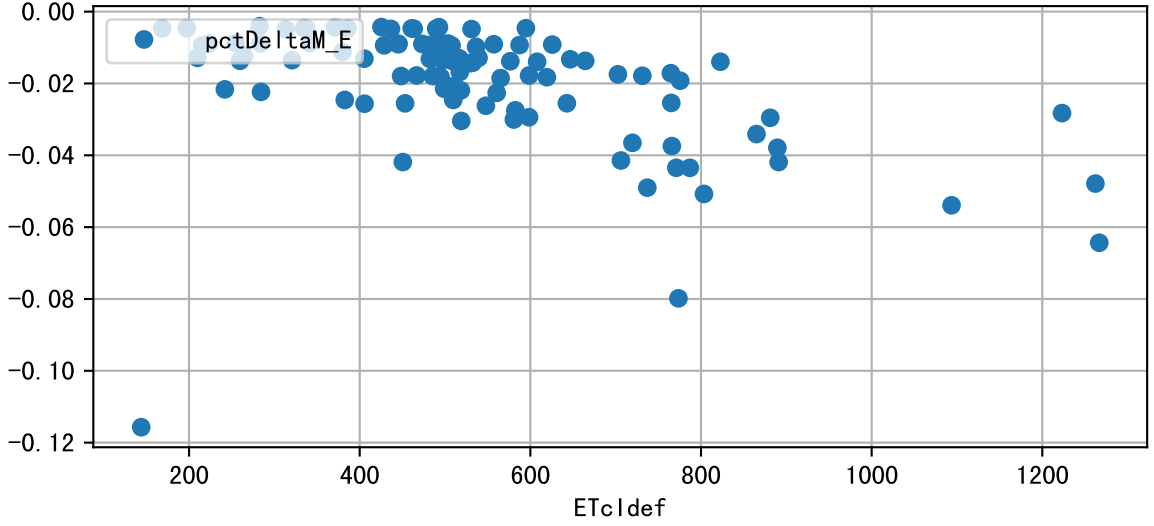


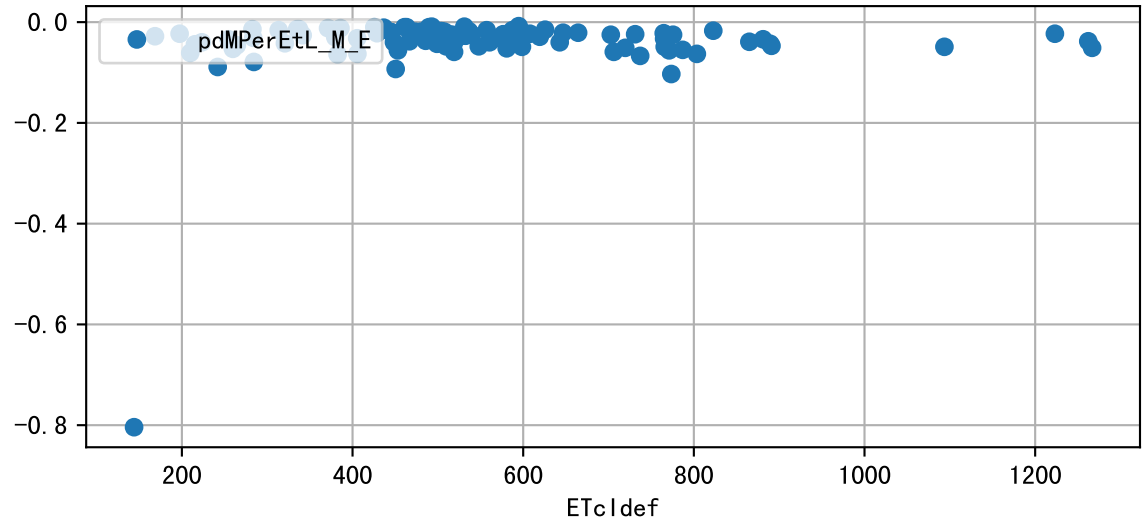
Daily %DeltaM and %DeltaM/1000ml ETcldef for M_E (-4.2%/D, -4.7%/1000ml ET)

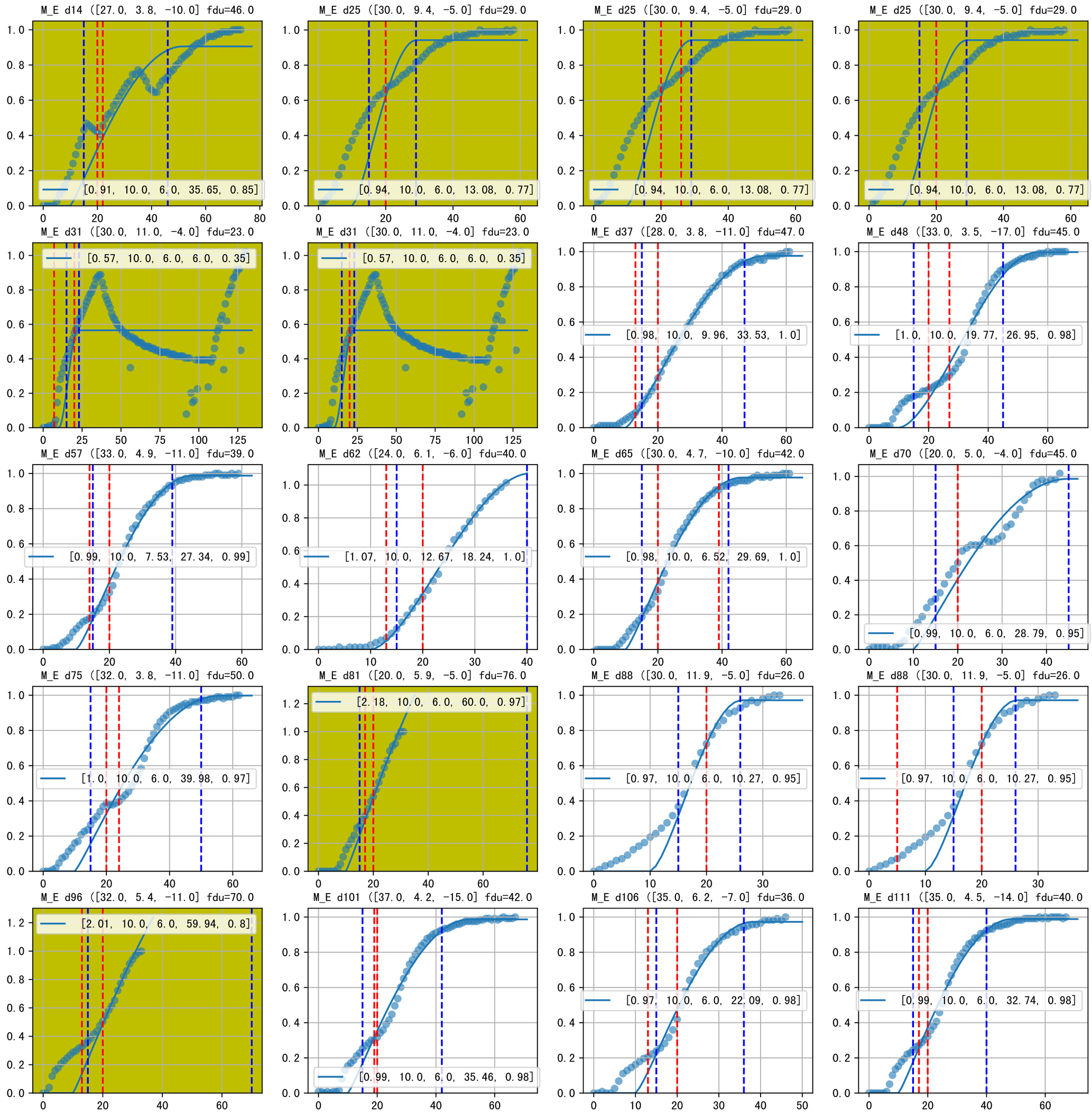


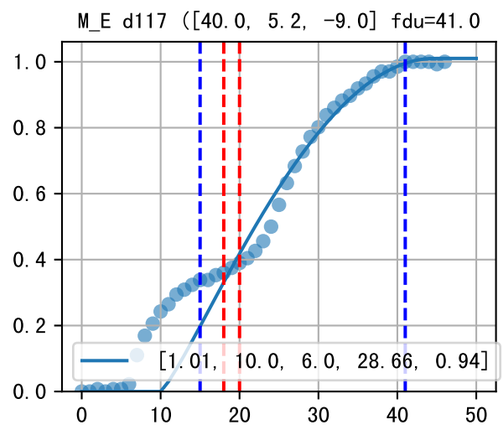


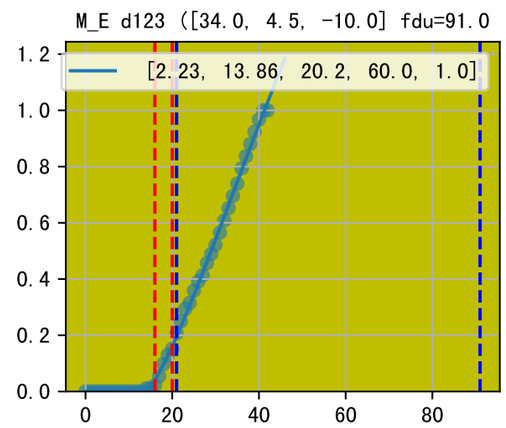
ETcIdef vs pctDeltaM and pdMPerEtL for M_E

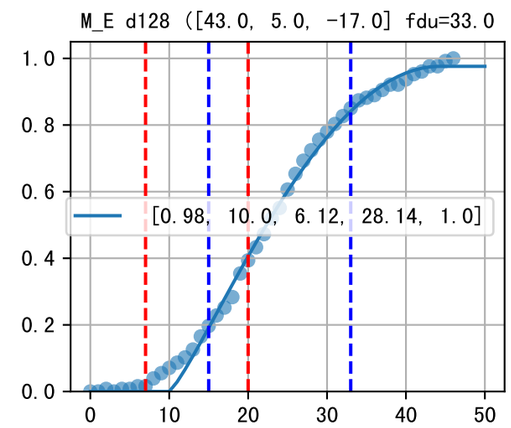


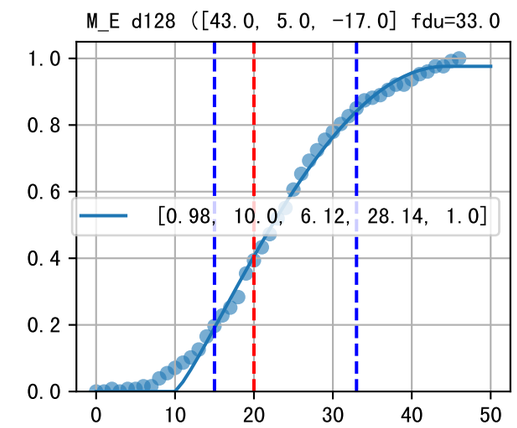


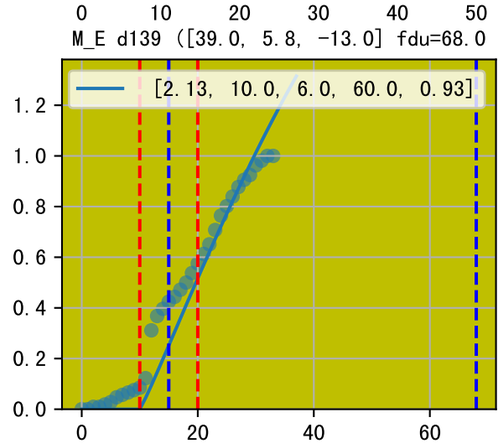

M_E d14 ([27.0, 3.8, -10.0] fdu=46.0
[0.91, 10.0, 6.0, 35.65, 0.85]
M_E d25 ([30.0, 9.4, -5.0] fdu=29.0
[0.94, 10.0, 6.0, 13.08, 0.77]
M_E d25 ([30.0, 9.4, -5.0] fdu=29.0
[0.94, 10.0, 6.0, 13.08, 0.77]
M_E d25 ([30.0, 9.4, -5.0] fdu=29.0
[0.94, 10.0, 6.0, 13.08, 0.77]
M_E d31 ([30.0, 11.0, -4.0] fdu=23.0
[0.57, 10.0, 6.0, 6.0, 0.35]
M_E d31 ([30.0, 11.0, -4.0] fdu=23.0
[0.57, 10.0, 6.0, 6.0, 0.35]
M_E d37 ([28.0, 3.8, -11.0] fdu=47.0
[0.98, 10.0, 9.96, 33.53, 1.0]
M_E d48 ([33.0, 3.5, -17.0] fdu=45.0
[1.0, 10.0, 19.77, 26.95, 0.98]
M_E d57 ([33.0, 4.9, -11.0] fdu=39.0
[0.99, 10.0, 7.53, 27.34, 0.99]
M_E d62 ([24.0, 6.1, -6.0] fdu=40.0
[1.07, 10.0, 12.67, 18.24, 1.0]
M_E d65 ([30.0, 4.7, -10.0] fdu=42.0
[0.98, 10.0, 6.52, 29.69, 1.0]
M_E d70 ([20.0, 5.0, -4.0] fdu=45.0
[0.99, 10.0, 6.0, 28.79, 0.95]
M_E d75 ([32.0, 3.8, -11.0] fdu=50.0
[1.0, 10.0, 6.0, 39.98, 0.97]
M_E d81 ([20.0, 5.9, -5.0] fdu=76.0
[2.18, 10.0, 6.0, 60.0, 0.97]
M_E d88 ([30.0, 11.9, -5.0] fdu=26.0
[0.97, 10.0, 6.0, 10.27, 0.95]
M_E d88 ([30.0, 11.9, -5.0] fdu=26.0
[0.97, 10.0, 6.0, 10.27, 0.95]
M_E d96 ([32.0, 5.4, -11.0] fdu=70.0
[2.01, 10.0, 6.0, 59.94, 0.8]
M_E d101 ([37.0, 4.2, -15.0] fdu=42.0
[0.99, 10.0, 6.0, 35.46, 0.98]
M_E d106 ([35.0, 6.2, -7.0] fdu=36.0
[0.97, 10.0, 6.0, 22.09, 0.98]
M_E d111 ([35.0, 4.5, -14.0] fdu=40.0
[0.99, 10.0, 6.0, 32.74, 0.98]

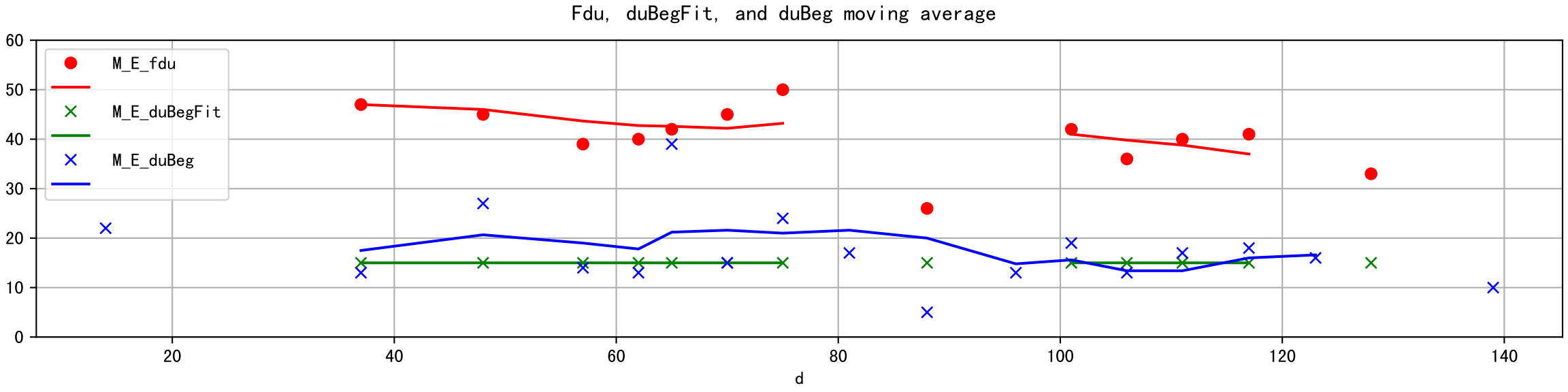

M_E d117 ([40.0, 5.2, -9.0] fdu=41.0
[1.01, 10.0, 6.0, 28.66, 0.94]

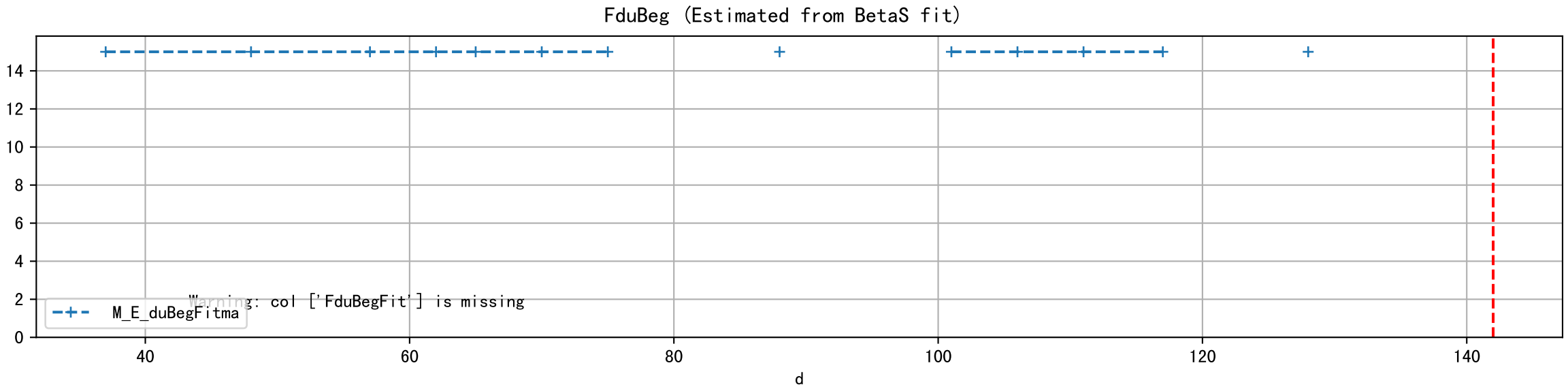

M_E d123 ([34.0, 4.5, -10.0] fdu=91.0
[2.23, 13.86, 20.2, 60.0, 1.0]

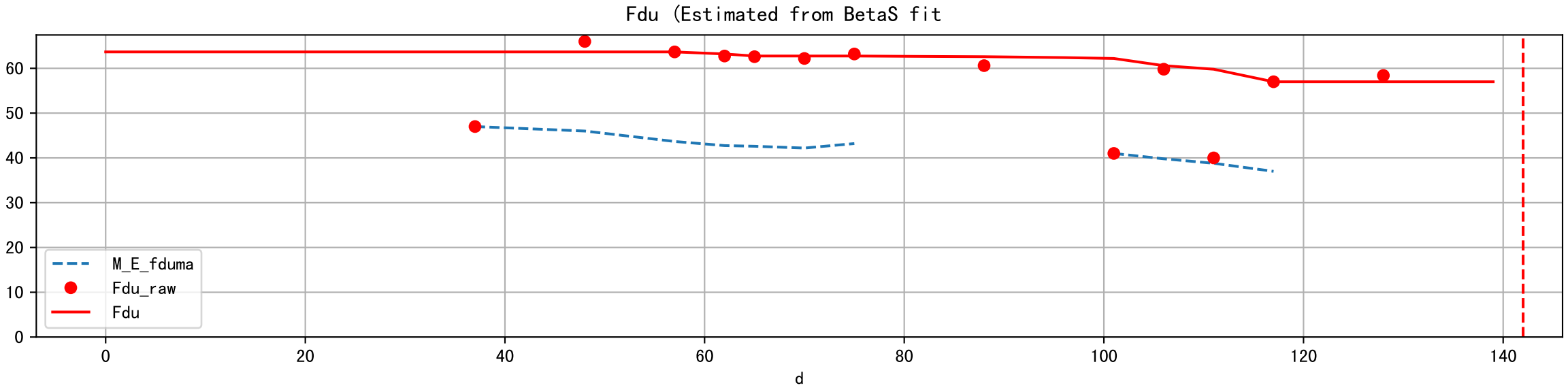

M_E d128 ([43.0, 5.0, -17.0] fdu=33.0
[0.98, 10.0, 6.12, 28.14, 1.0]

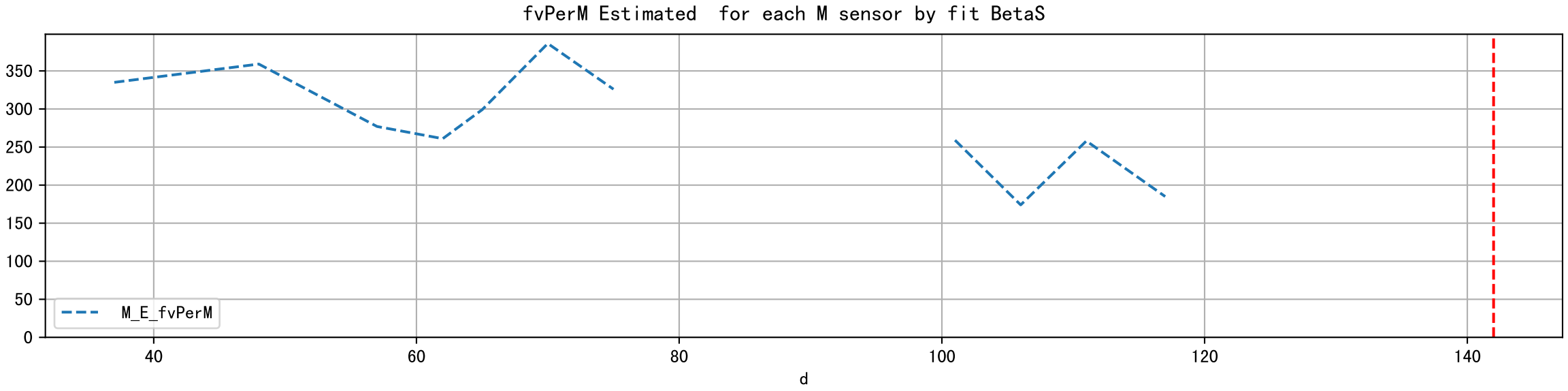

M_E d128 ([43.0, 5.0, -17.0] fdu=33.0
[0.98, 10.0, 6.12, 28.14, 1.0]

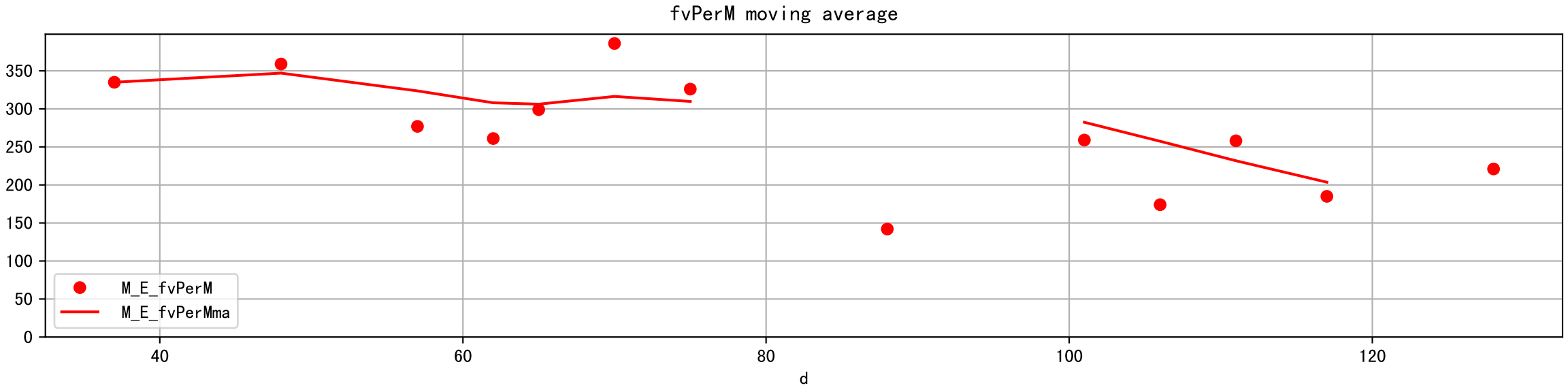

M_E d139 ([39.0, 5.8, -13.0] fdu=68.0
[2.13, 10.0, 6.0, 60.0, 0.93]

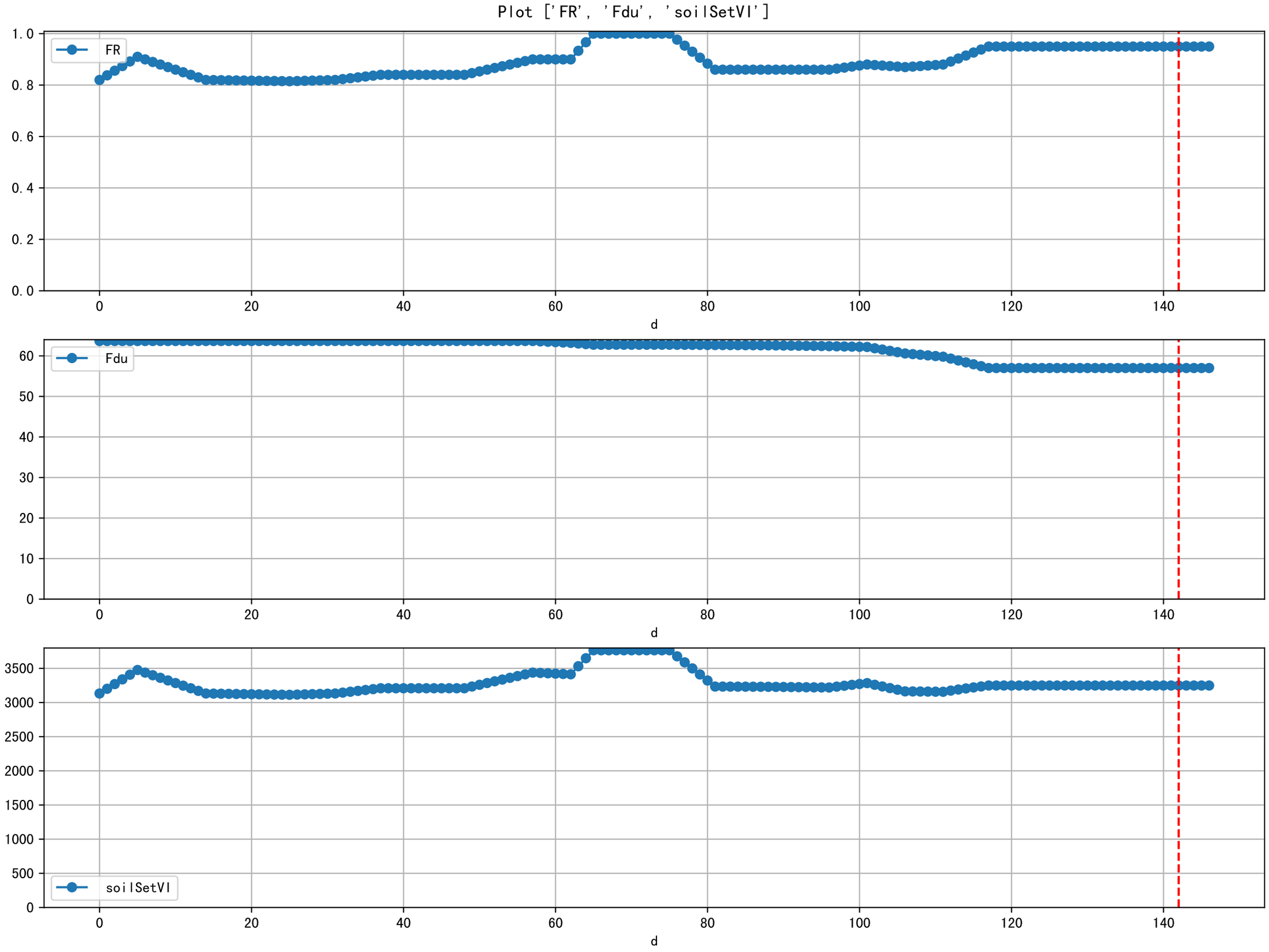

Fdu, duBegFit, and duBeg moving average
M_E_fdu
M_E_duBegFit
M_E_duBeg
0
10
20
30
40
50
60
20
40
60
80
100
120
140
d


FduBeg (Estimated from BetaS fit)
M_E_duBegFitma
Warning: col ['FduBegFit'] is missing
0
2
4
6
8
10
12
14
40
60
80
100
120
140
d

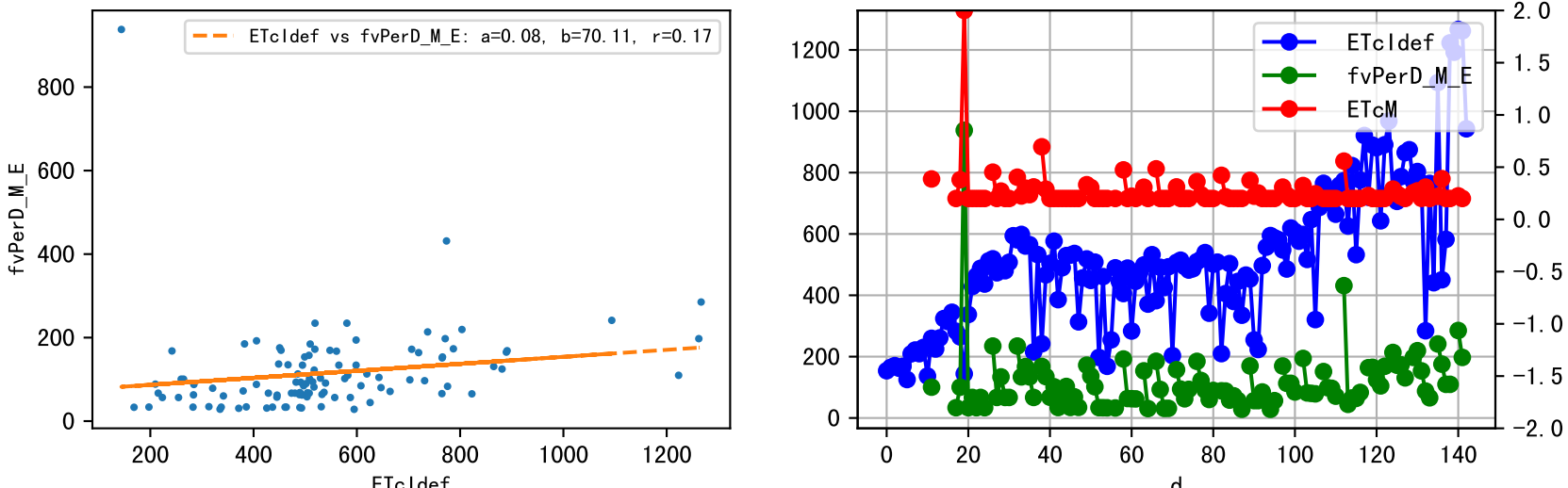

Fdu (Estimated from BetaS fit
M_E_fduma
Fdu_raw
Fdu
d
0
10
20
30
40
50
60
0
20
40
60
80
100
120
140

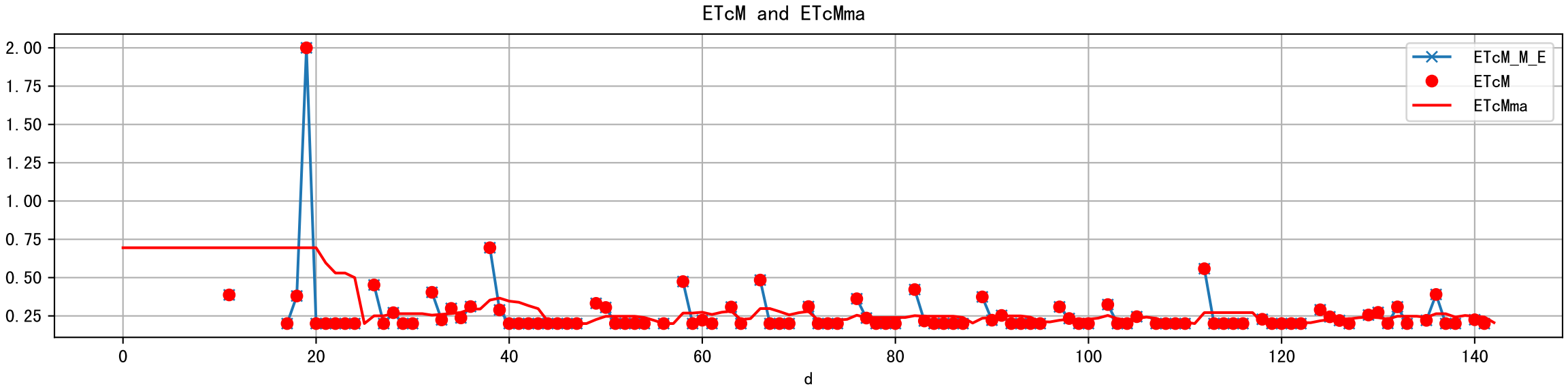

fvPerM Estimated for each M sensor by fit BetaS
350
300
250
200
150
100
50
0
40
60
80
100
120
140
d
M_E_fvPerM


fvPerM moving average
350
300
250
200
150
100
50
0
40
60
80
100
120
d
M_E_fvPerM
M_E_fvPerMma

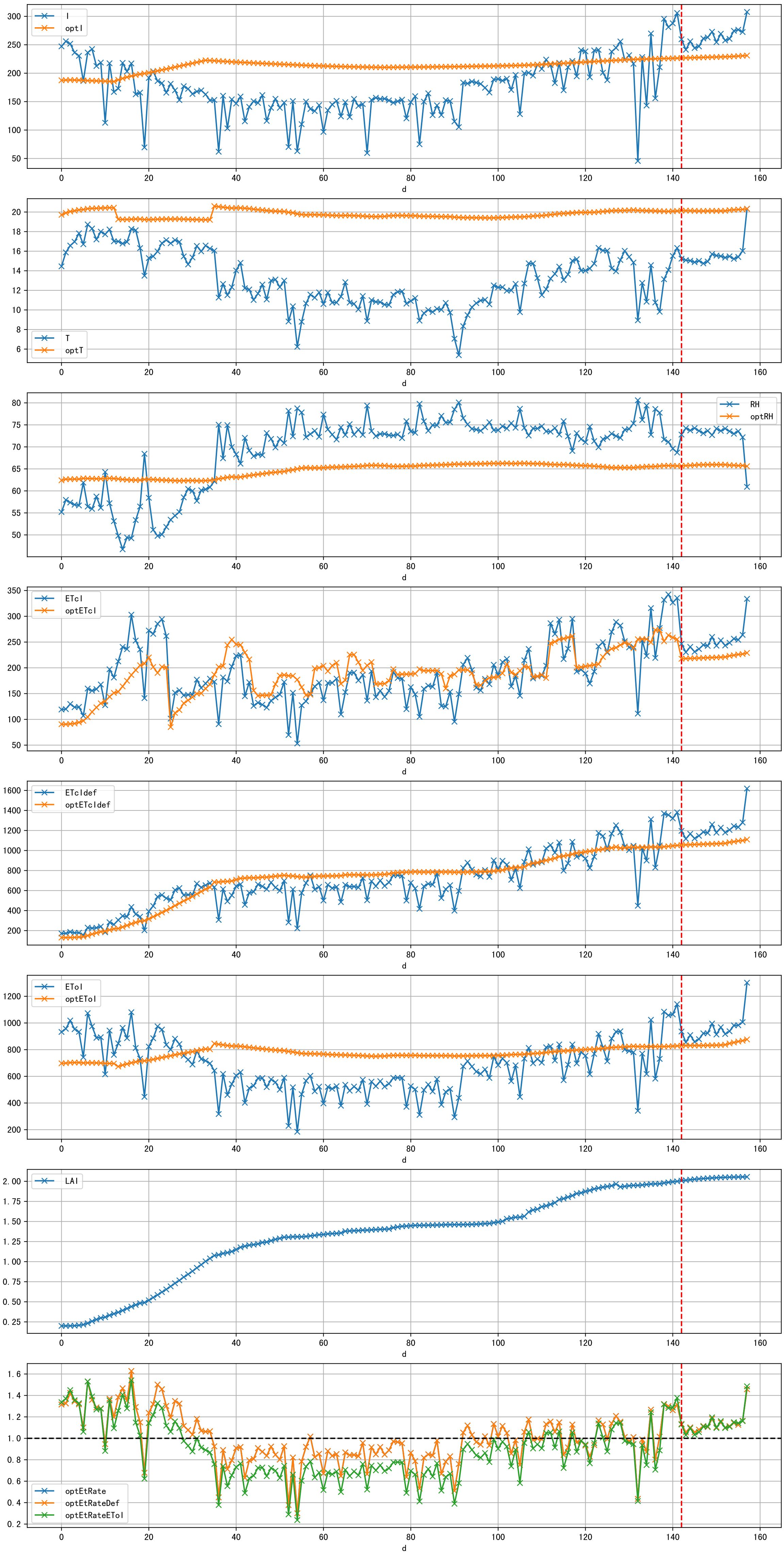

Plot ['FR', 'Fdu', 'soilSetVI']
FR
Fdu
soilSetVI
d
d
d

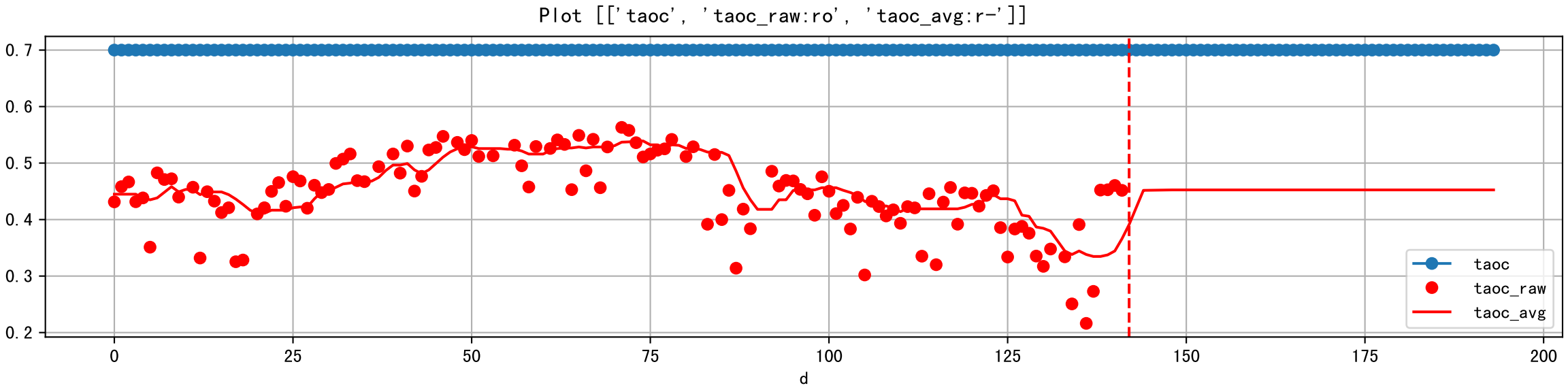
M_E ETcIdef vs estFv



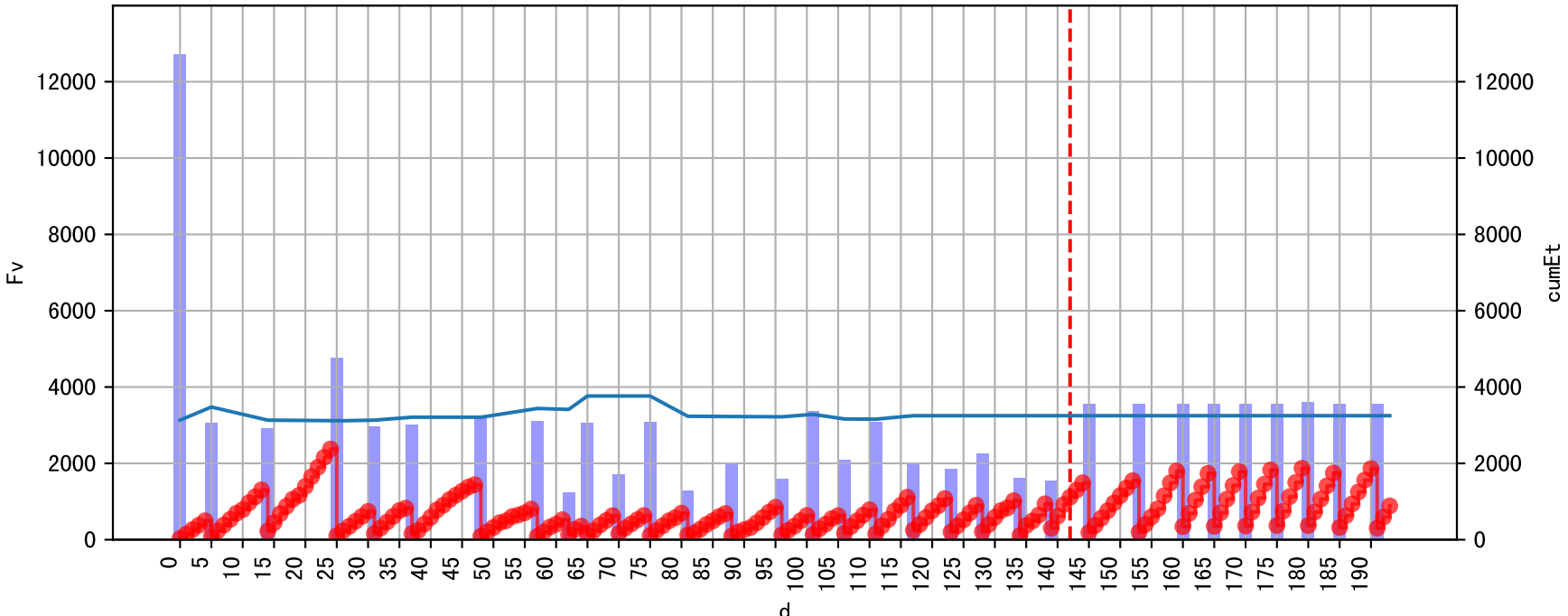

ETcM and ETcMma
ETcM_M_E
ETcM
ETcMma
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0
20
40
60
80
100
120
140
d

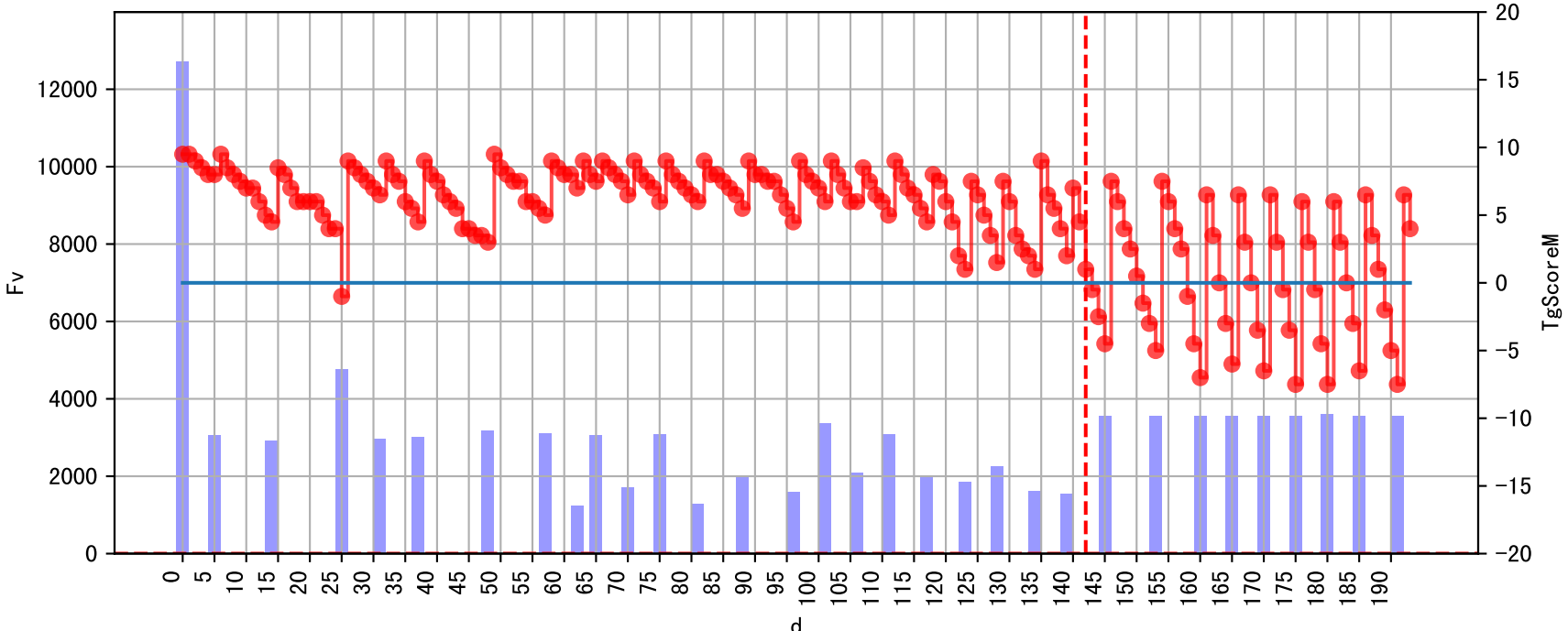
l'], ['T', 'optT'], ['RH', 'optRH'], ['ETcl', 'optETcl'], ['ETcldef', 'optETcldef'], ['ETol', 'optETol'], 'LAI', ['optEtRate', 'optEtRateDef', '



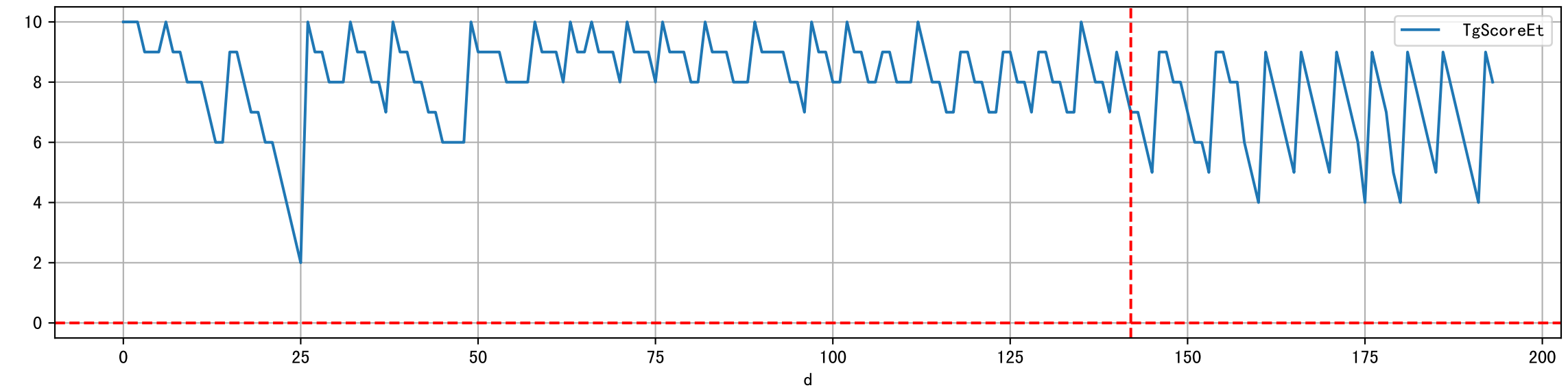

Plot [['taoc', 'taoc_raw:ro', 'taoc_avg:r-']]
0.7
0.6
0.5
0.4
0.3
0.2
0
25
50
75
100
125
150
175
200
d
taoc
taoc_raw
taoc_avg

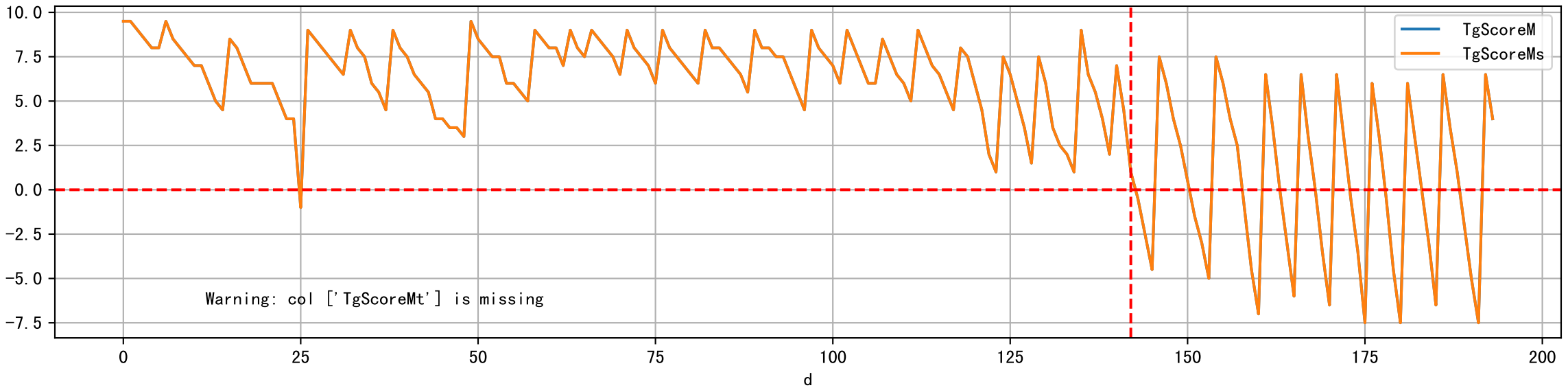
d	note	fz	fzStockID	expFDF	expEC	preDu	fzDu	p
4.0	发现灌溉，未预期	丰码有品果期肥	1117.0	100.0	3581.0	0.0	1717.0	
9.0	发现少量灌溉，未预期，母液稀释倍数缺失(假设100倍)	丰码有品果期肥	1117.0	100.0	2396.0	300.0	1031.0	
5.0	预期灌溉，灌溉过量784ml/株	丰码有品果期肥	1117	500.0	832.0	360.0	3078.0	
3.0	预期灌溉，灌溉过量727ml/株	丰码有品果期肥	1117	500.0	832.0	360.0	3078.0	
0.0	预期灌溉，灌溉过量474ml/株	丰码有品果期肥	TBD	500.0	706.0	360.0	3078.0	
5.0	预期灌溉，灌溉过量536ml/株，土壤肥已过量，逐渐减肥	丰码有品果期肥	TBD	500.0	706.0	360.0	3078.0	

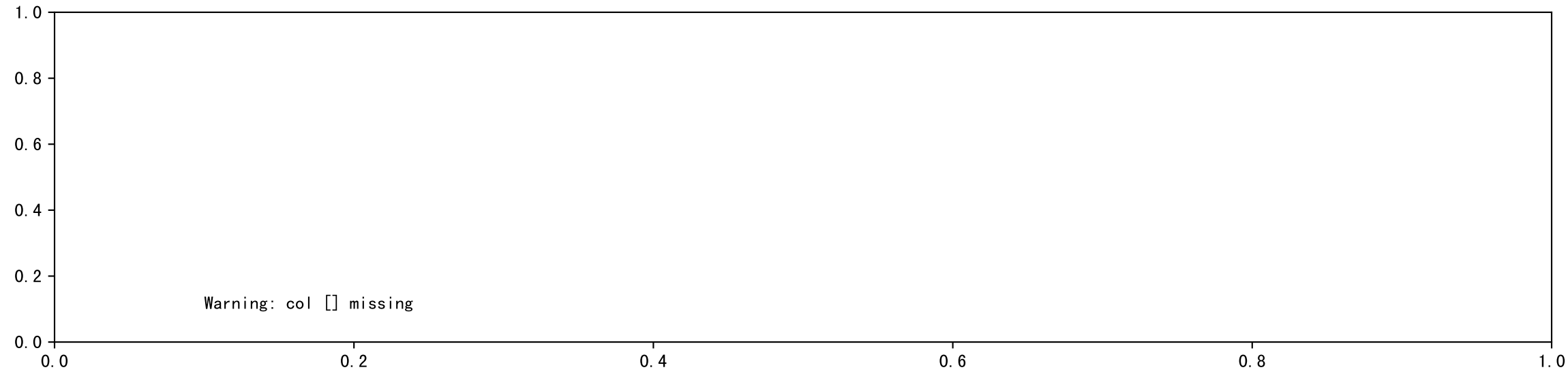

Fv
cumEt
0
2000
4000
6000
8000
10000
12000
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155 160 165 170 175 180 185 190

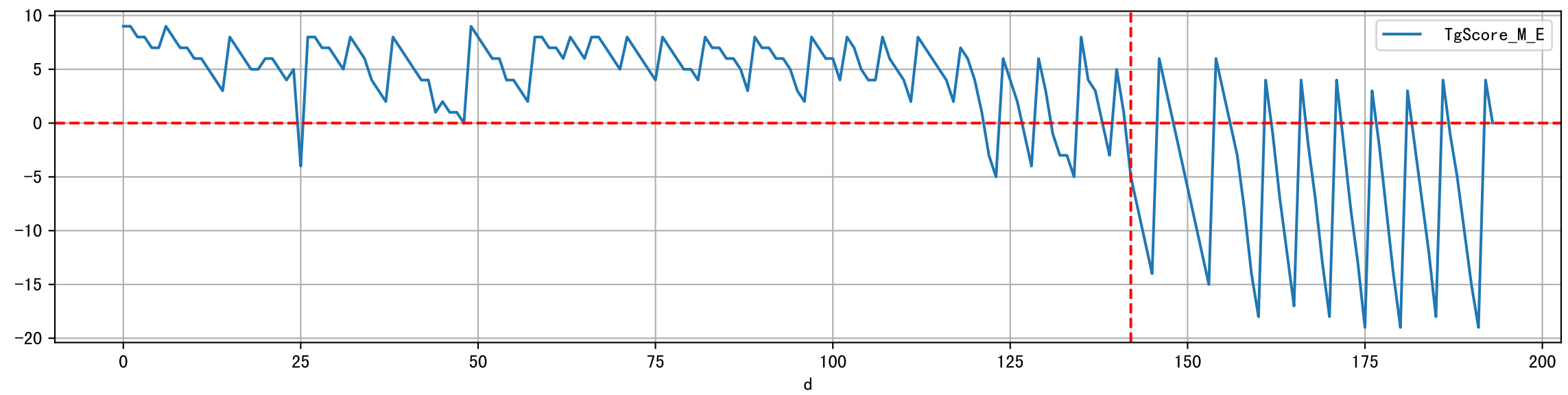

Fv
TgScoreM
d
0
2000
4000
6000
8000
10000
12000
20
15
10
5
0
−5
−10
−15
−20
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155 160 165 170 175 180 185 190

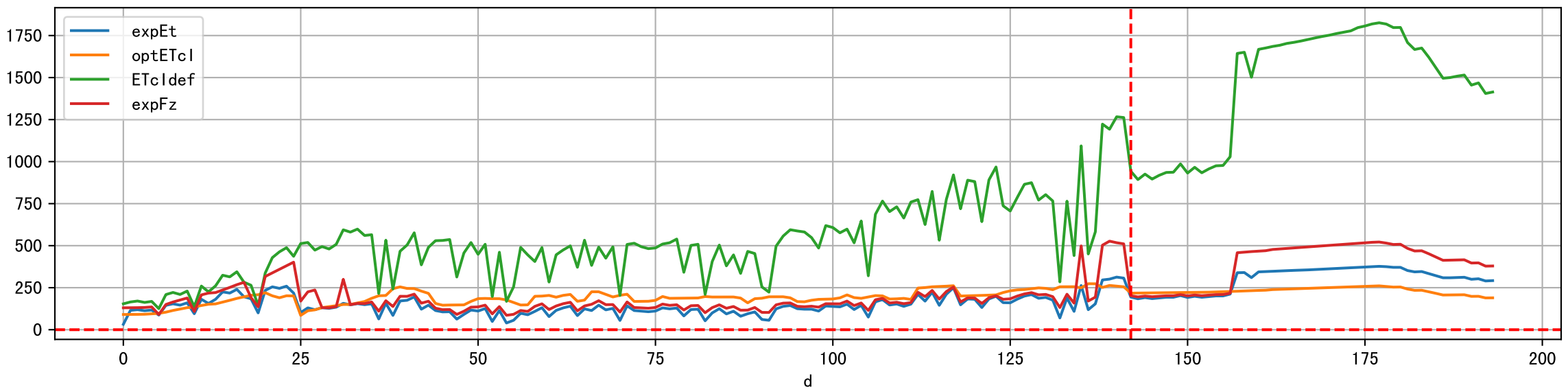
Fg Trigger Score (by Et and sensor)

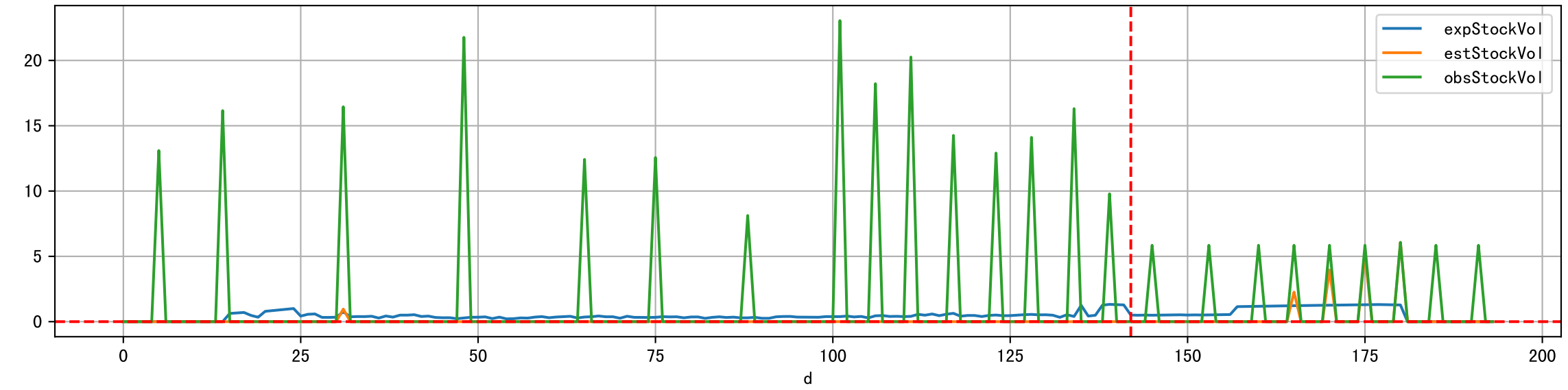




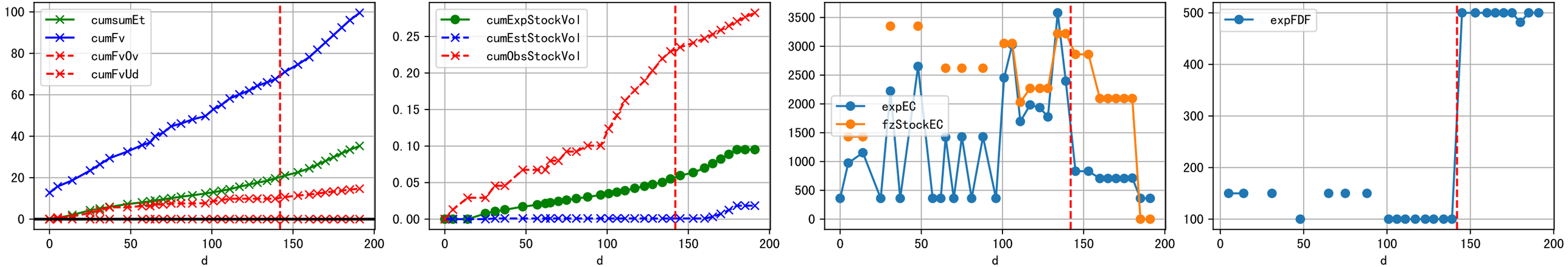




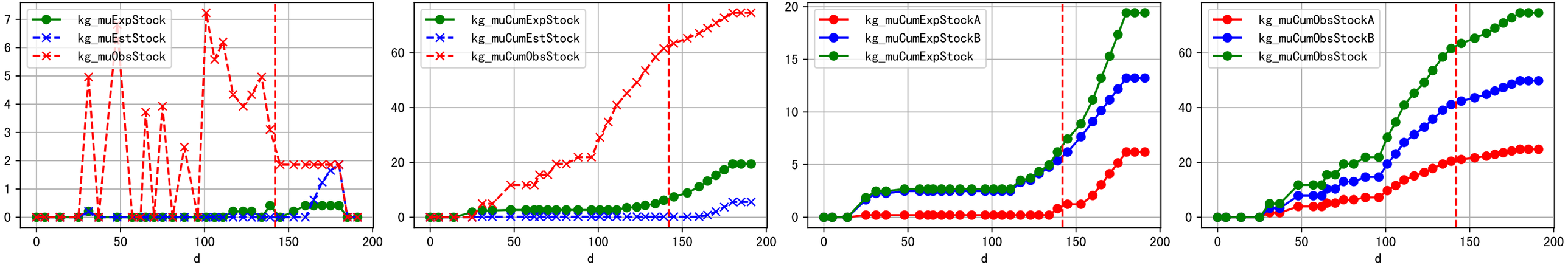
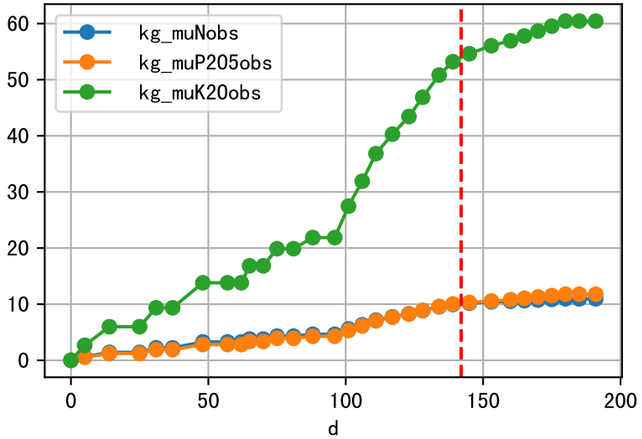
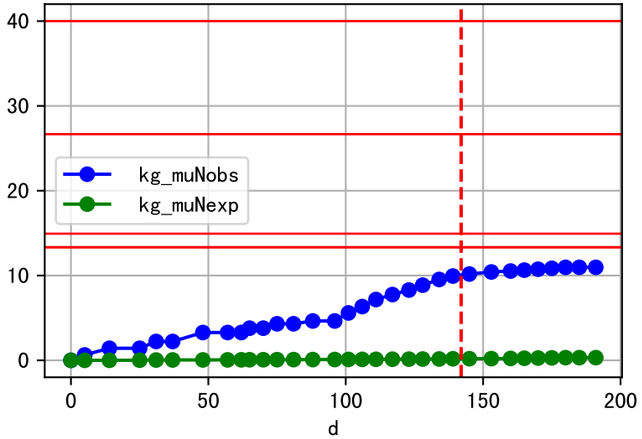
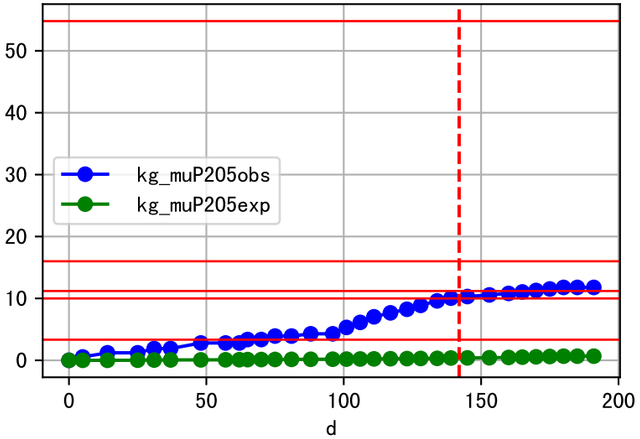
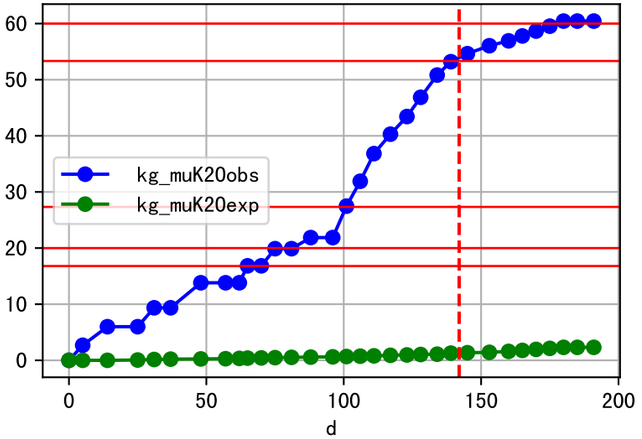




Plot liquid fertilizer usage



Plot solid fertilizer (kg/mu) usage



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