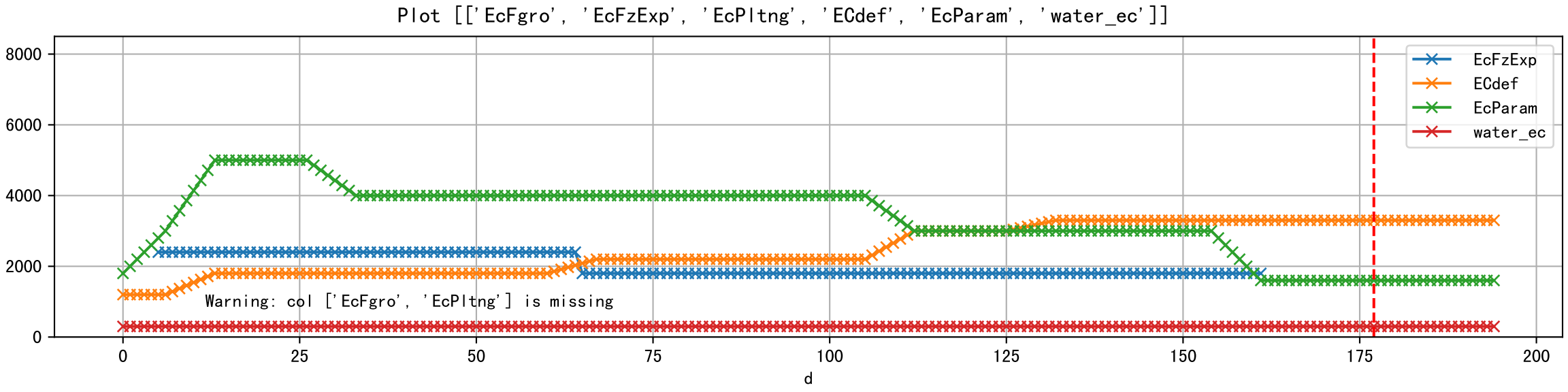
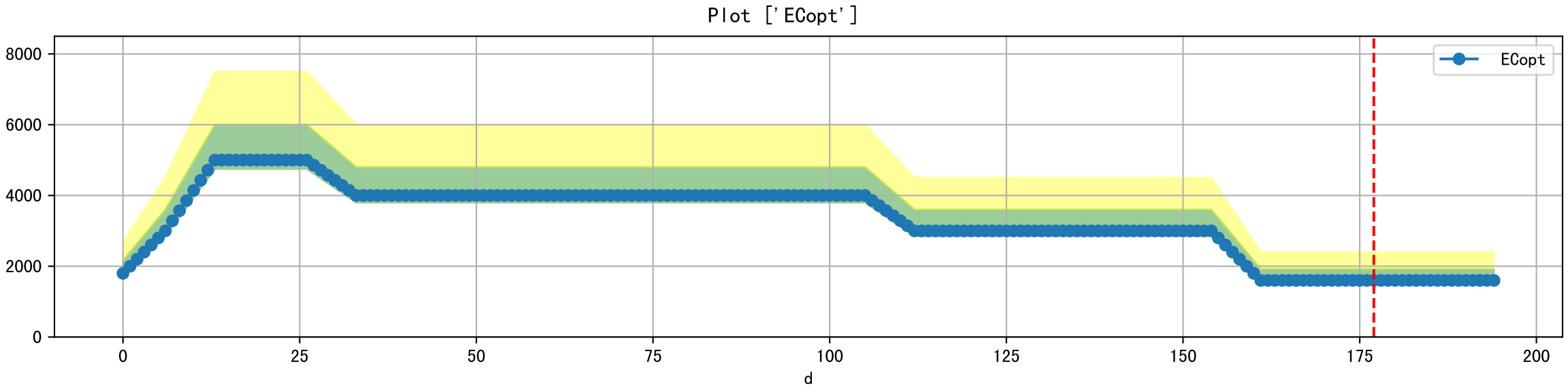
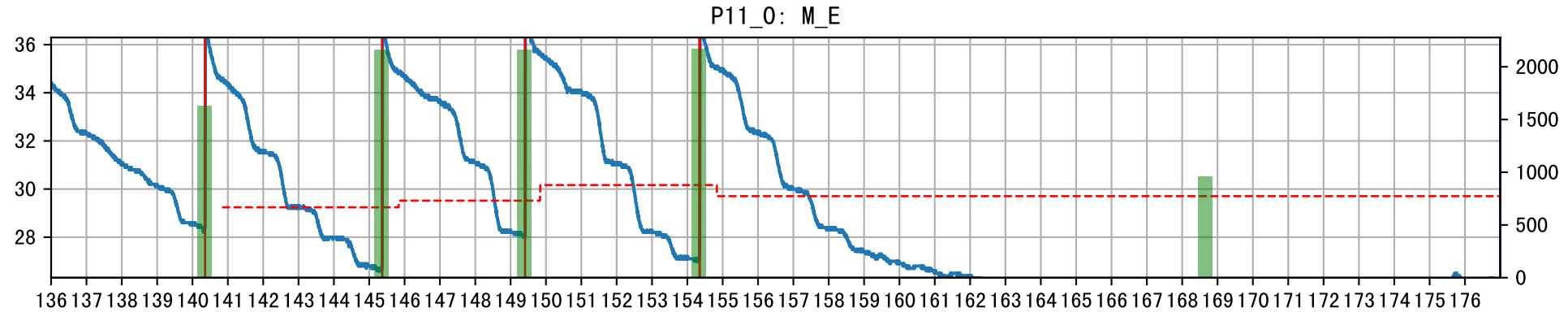
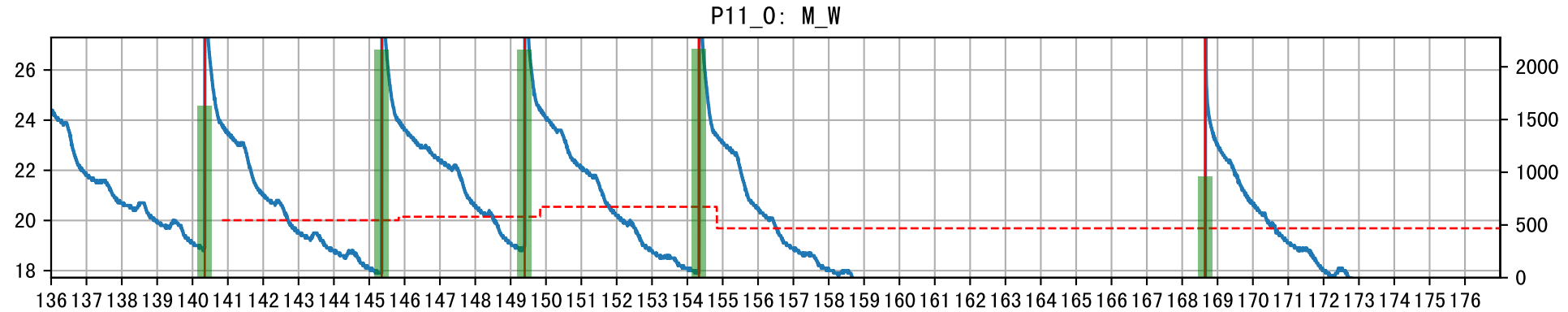
FgArea: ['0']
NC11 P11
2026-04-13 (Day 177)

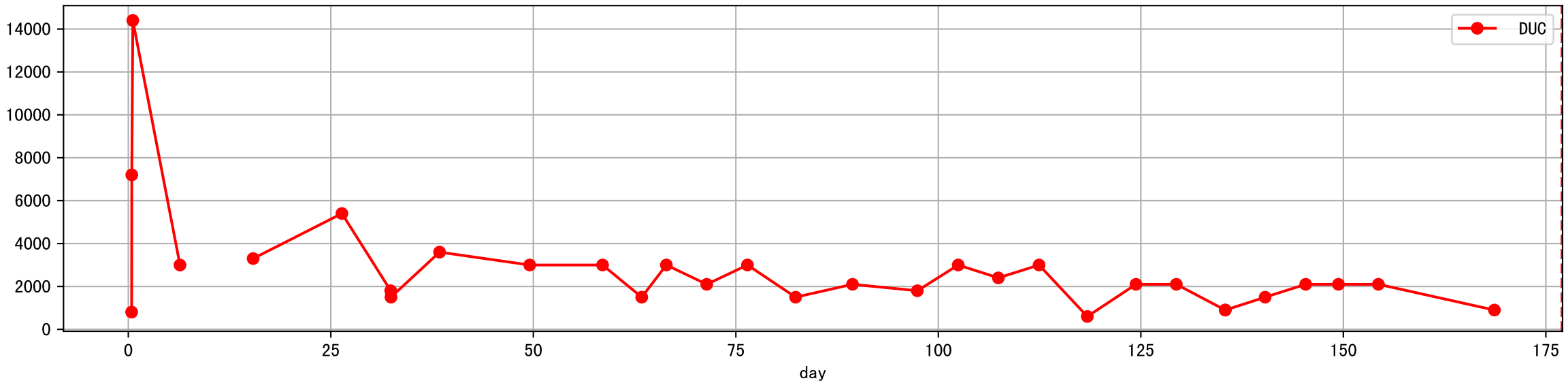

Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'EcParam', 'water_ec']]
EcFzExp
ECdef
EcParam
water_ec
Warning: col ['EcFgro', 'EcPltng'] is missing
8000
6000
4000
2000
0
0
25
50
75
100
125
150
175
200
d

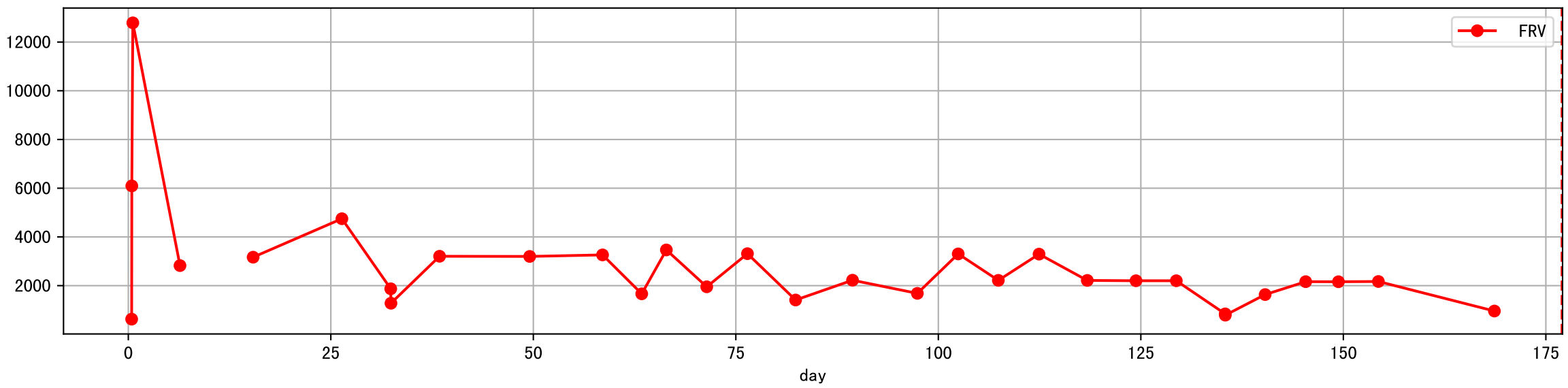

Plot ['ECopt']
ECopt
8000
6000
4000
2000
0
0
25
50
75
100
125
150
175
200
d

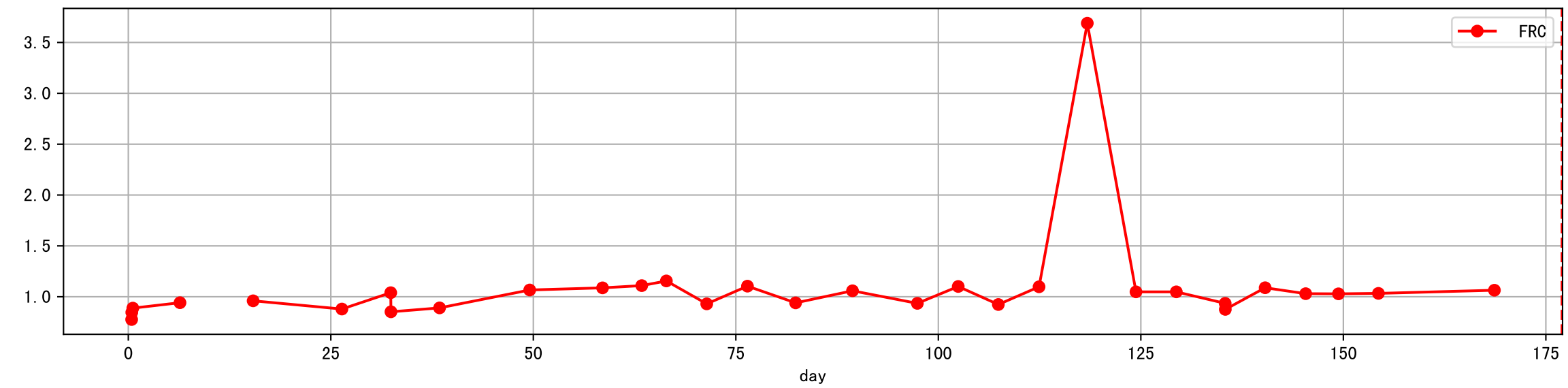

P11_0: M_E
36
34
32
30
28
2000
1500
1000
500
0
136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176

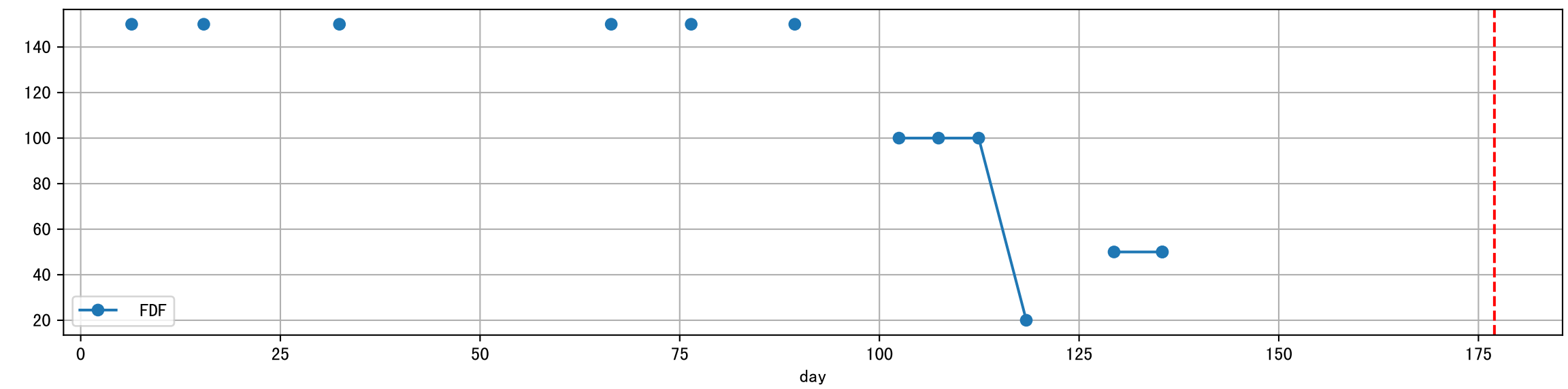

P11_0: M_W
26
24
22
20
18
2000
1500
1000
500
0
136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176

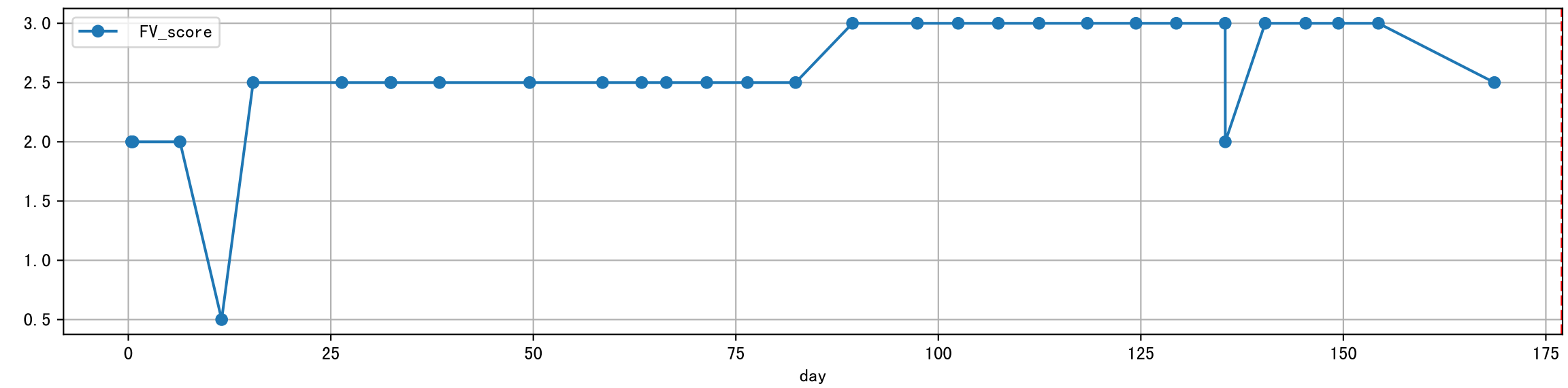
plot dfFv


DUC
14000
12000
10000
8000
6000
4000
2000
0
0
25
50
75
100
125
150
175
day

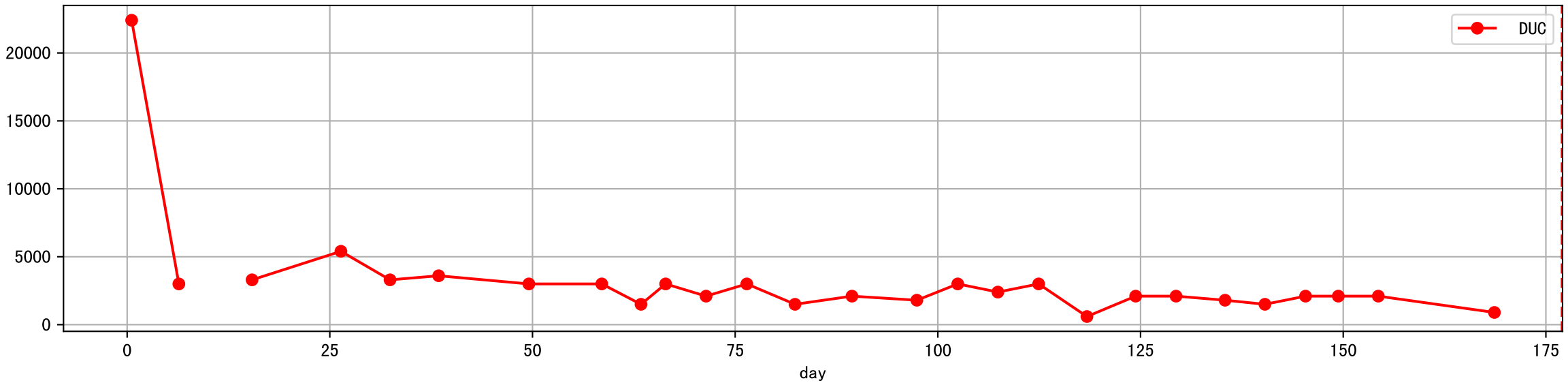

FRV
12000
10000
8000
6000
4000
2000
0
25
50
75
100
125
150
175
day

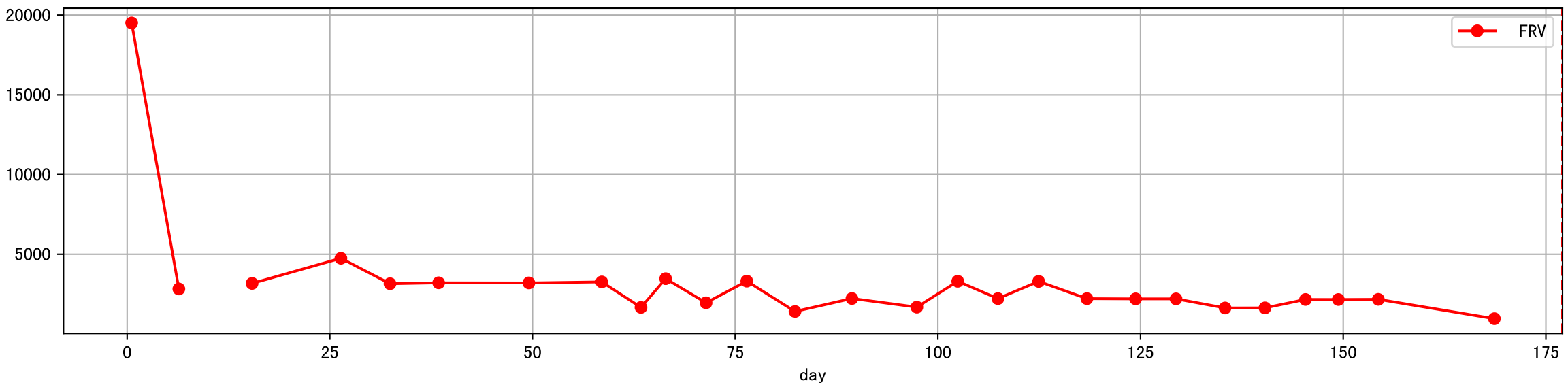

FRC
3.5
3.0
2.5
2.0
1.5
1.0
0
25
50
75
100
125
150
175
day

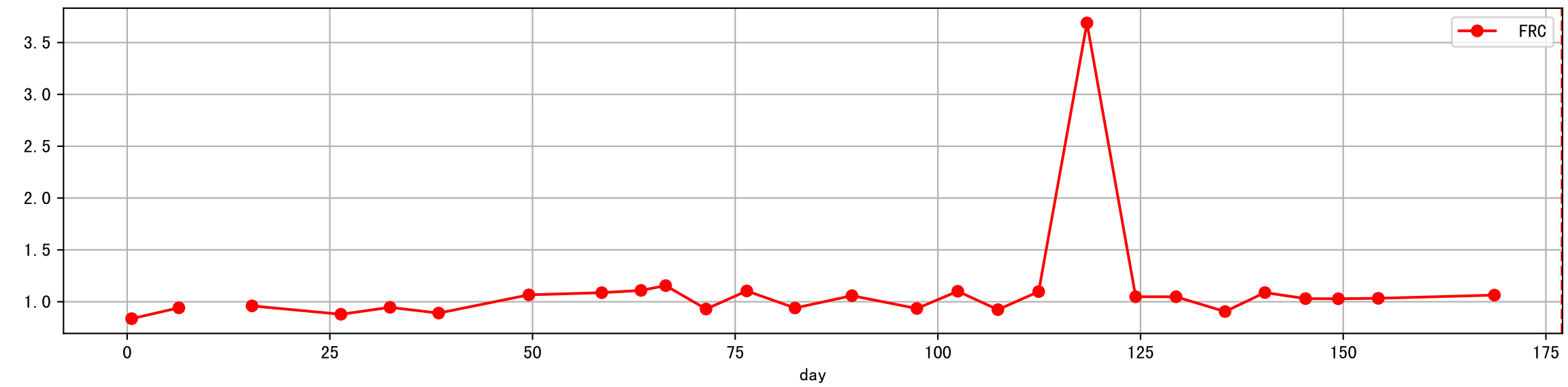

FDF
140
120
100
80
60
40
20
0
25
50
75
100
125
150
175
day

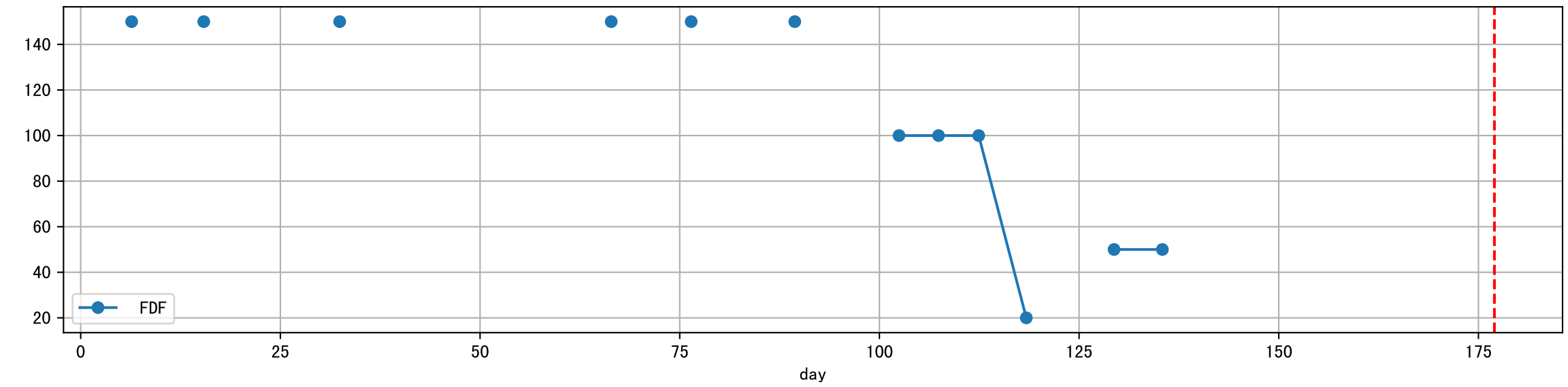

FV_score
3.0
2.5
2.0
1.5
1.0
0.5
0
25
50
75
100
125
150
175
day

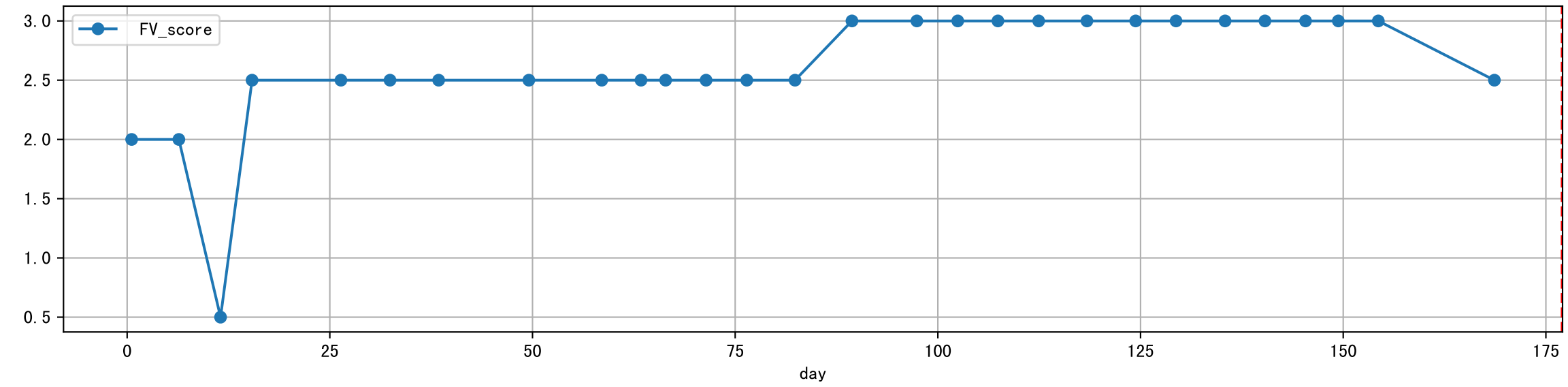
plot dfFv (daily Agg)

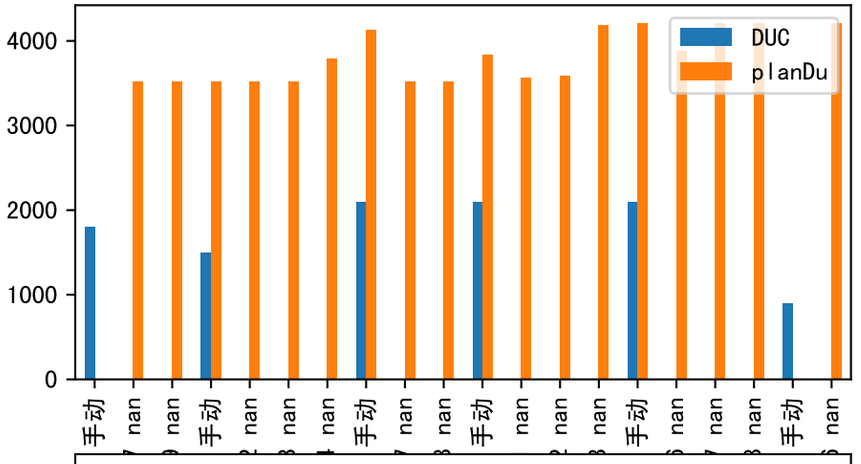


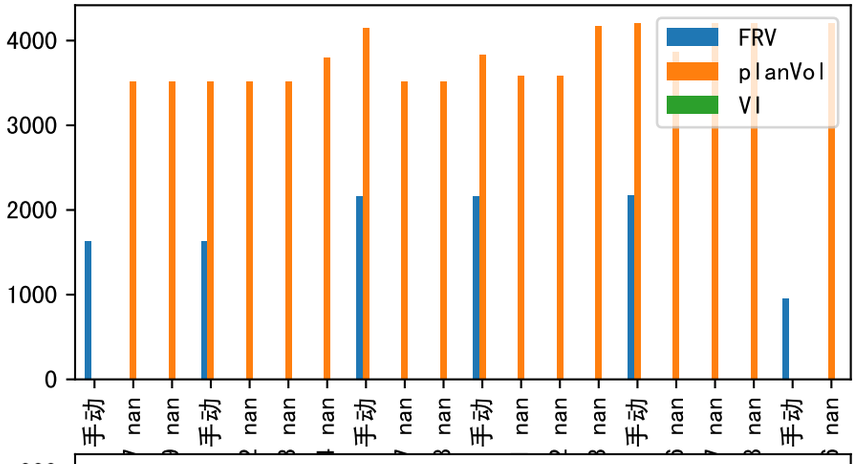


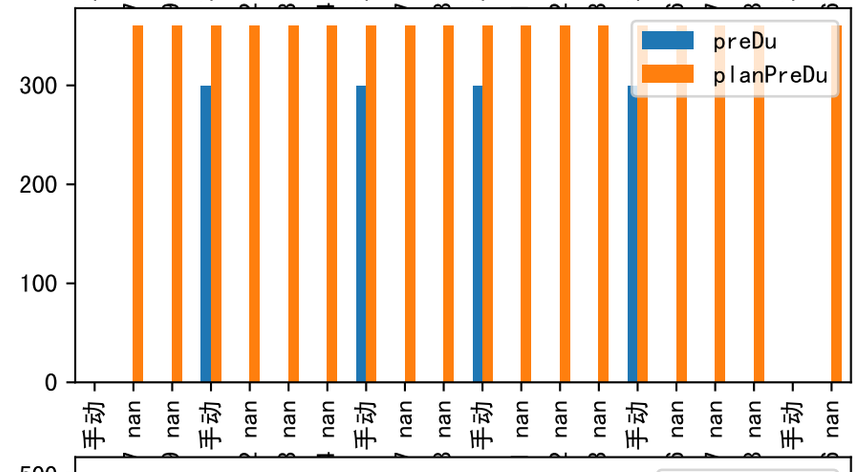


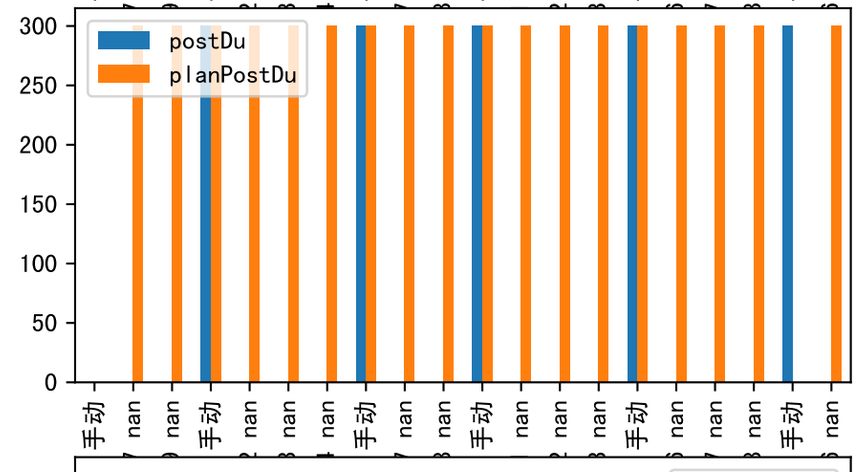


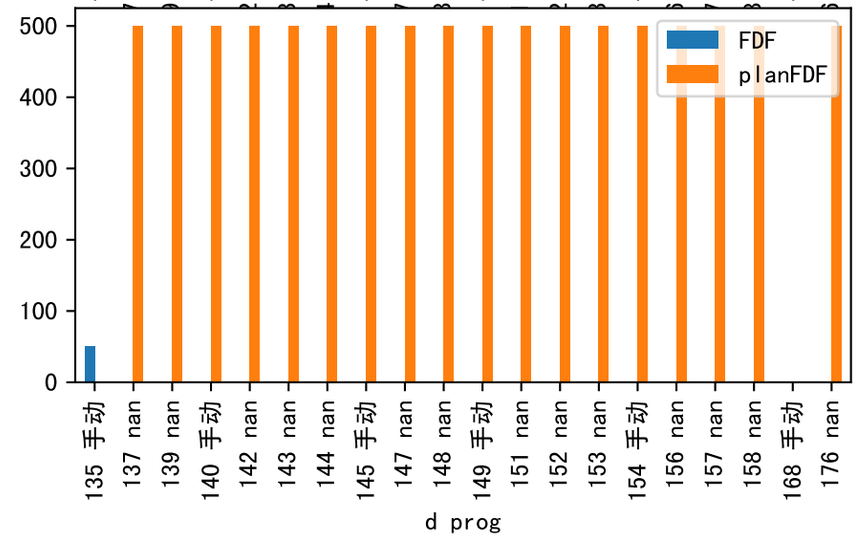


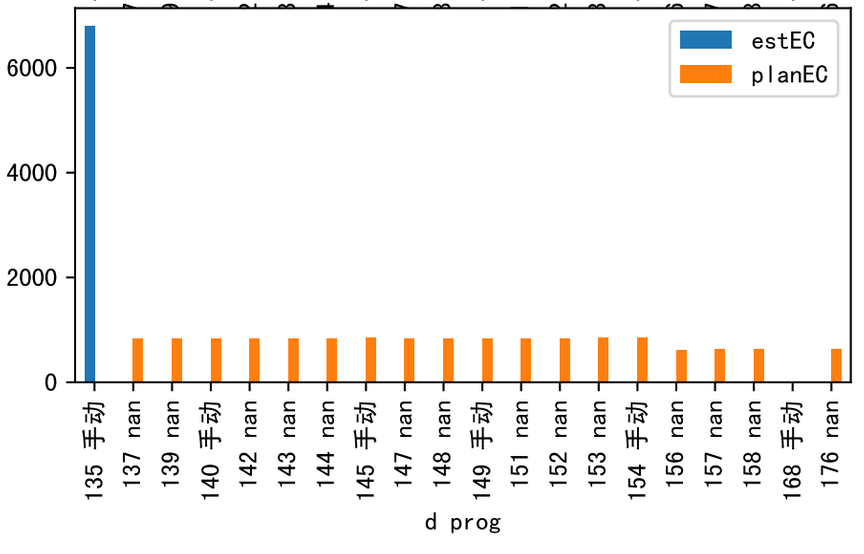

DUC
planDu
4000
3000
2000
1000
0

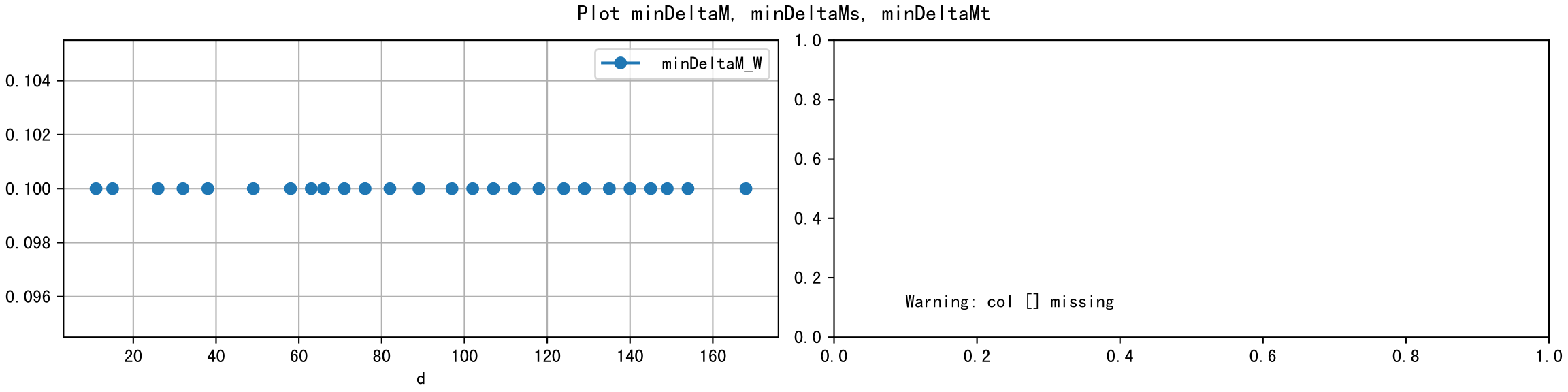

FRV
planVol
VI
4000
3000
2000
1000
0

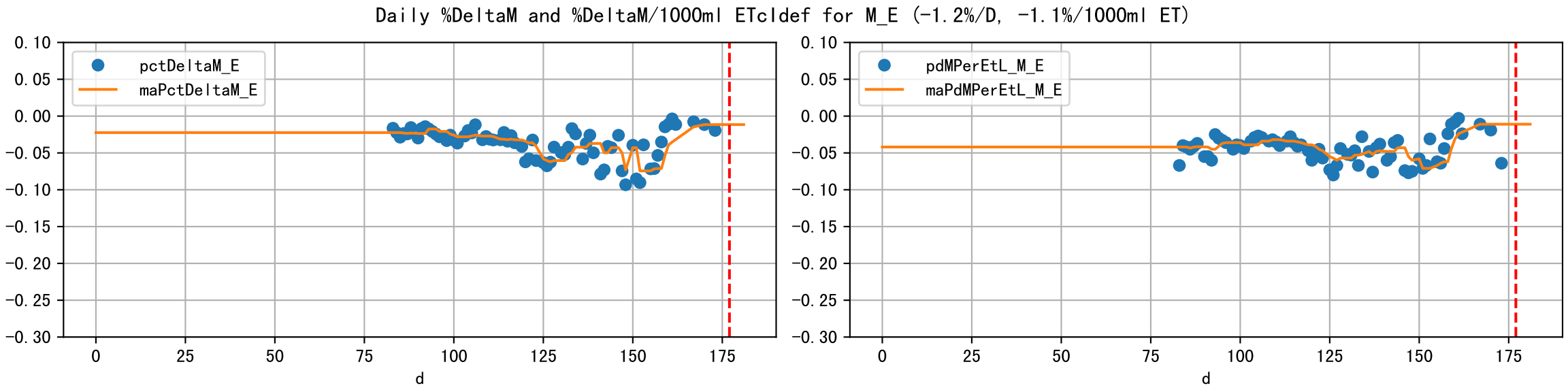

preDu
planPreDu
300
200
100
0

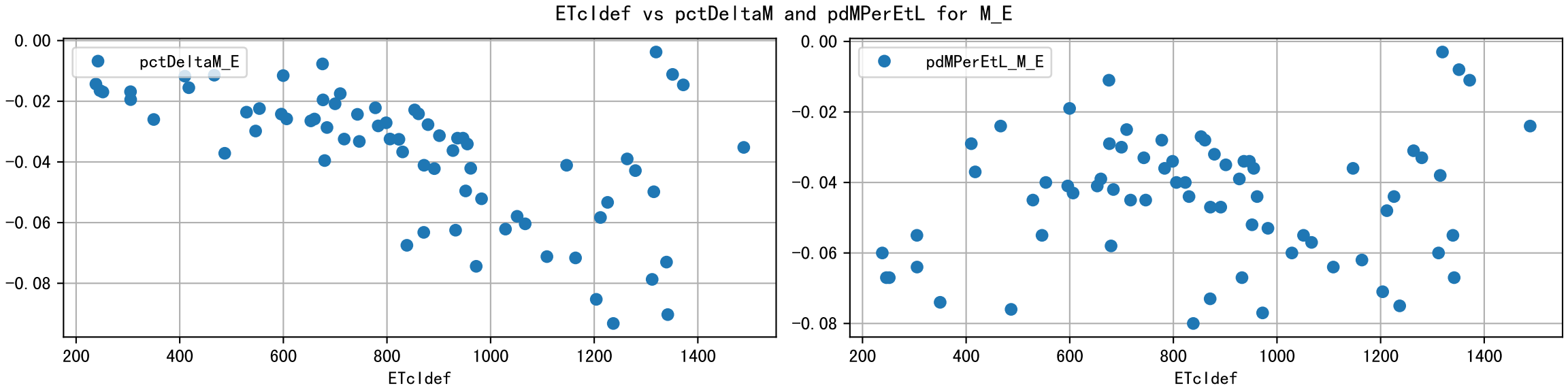

postDu
planPostDu
300
250
200
150
100
50
0

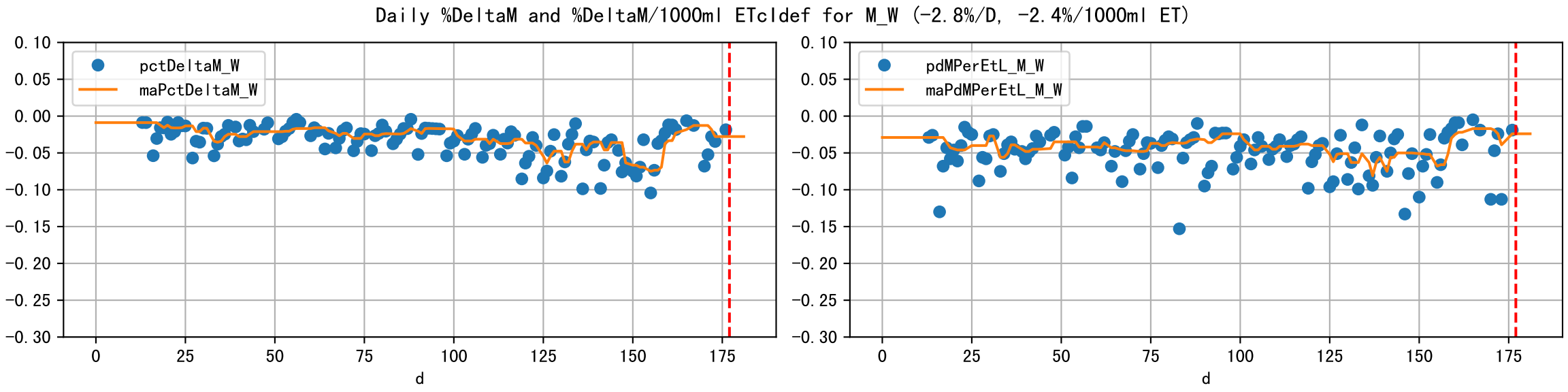

FDF
planFDF
500
400
300
200
100
0
135 手动
137 nan
139 nan
140 手动
142 nan
143 nan
144 nan
145 手动
147 nan
148 nan
149 手动
151 nan
152 nan
153 nan
154 手动
156 nan
157 nan
158 nan
168 手动
176 nan
d prog

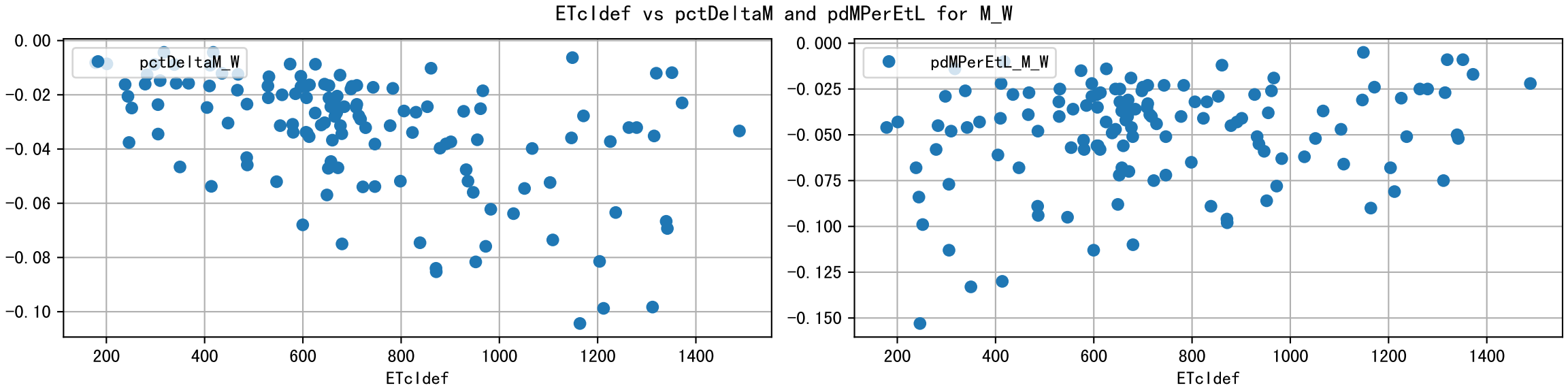

estEC
planEC
6000
4000
2000
0
135 手动
137 nan
139 nan
140 手动
142 nan
143 nan
144 nan
145 手动
147 nan
148 nan
149 手动
151 nan
152 nan
153 nan
154 手动
156 nan
157 nan
158 nan
168 手动
176 nan
d prog

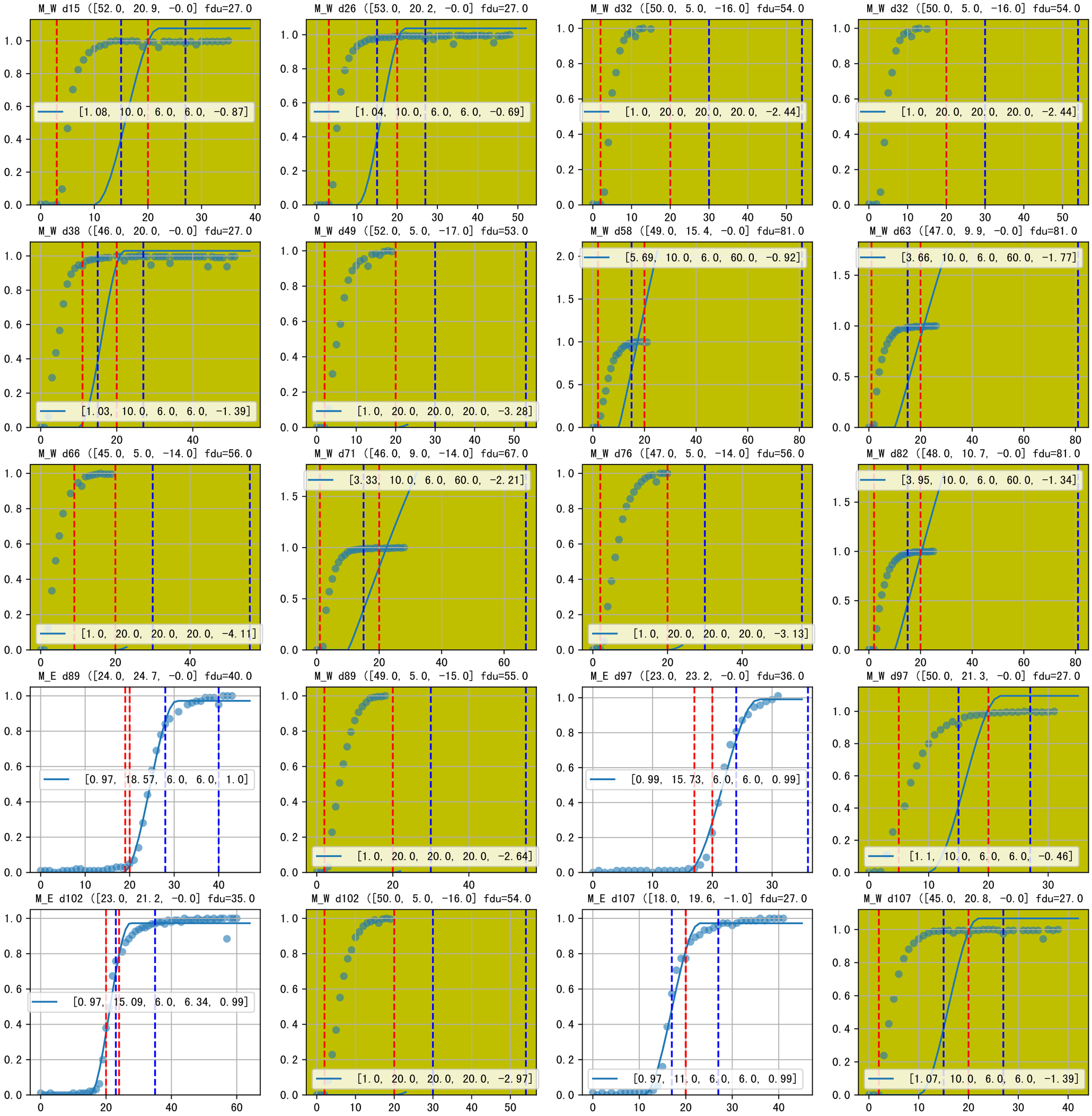

Plot minDeltaM, minDeltaMs, minDeltaMt
minDeltaM_W
0.104
0.102
0.100
0.098
0.096
20
40
60
80
100
120
140
160
d
1.0
0.8
0.6
0.4
0.2
0.0
Warning: col [] missing
0.0
0.2
0.4
0.6
0.8
1.0

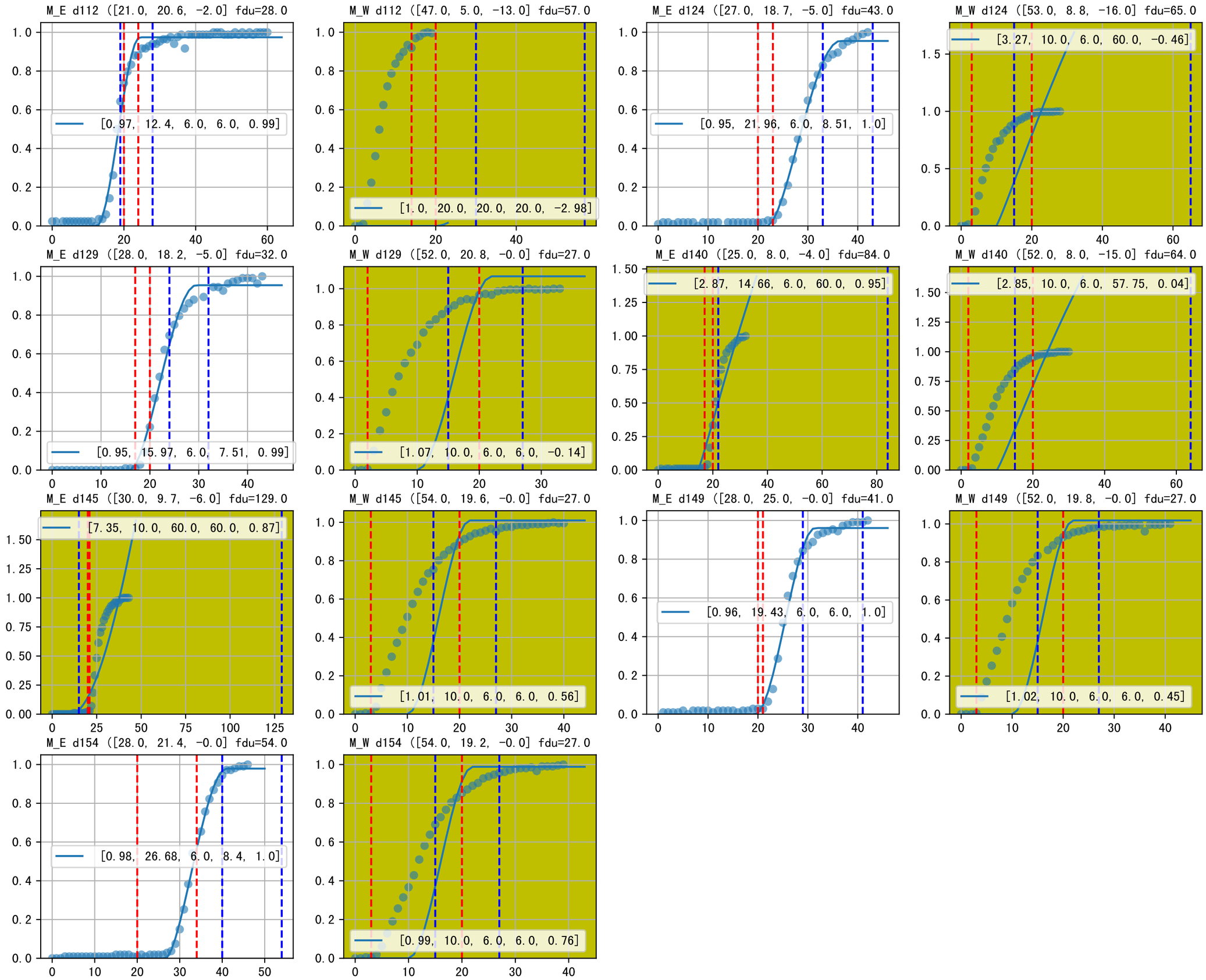

Daily %DeltaM and %DeltaM/1000ml ETcldef for M_E (-1.2%/D, -1.1%/1000ml ET)
pctDeltaM_E
maPctDeltaM_E
pdMPerEtL_M_E
maPdMPerEtL_M_E
0.10
0.05
0.00
−0.05
−0.10
−0.15
−0.20
−0.25
−0.30
0
25
50
75
100
125
150
175
d

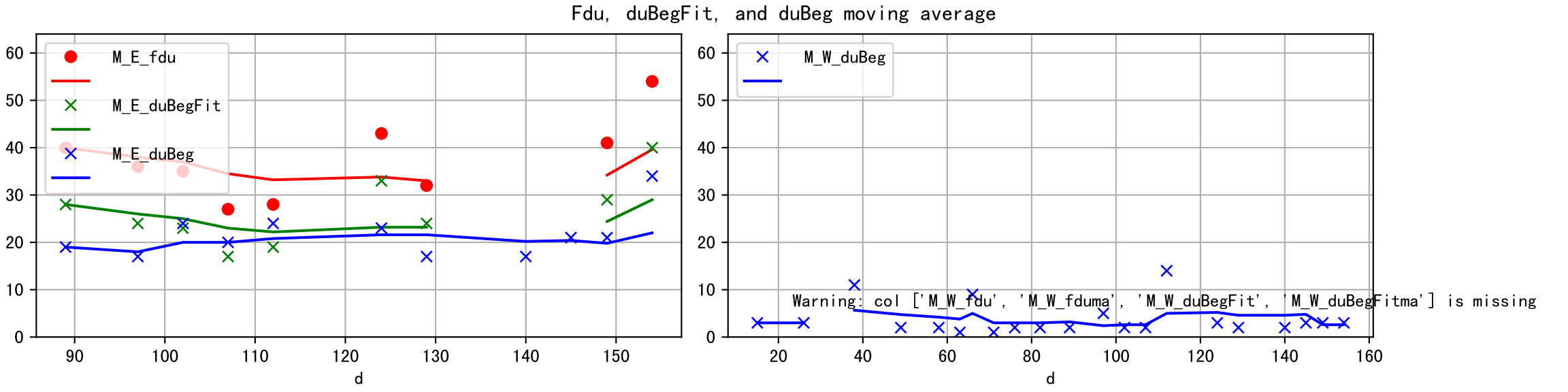

ETcIdef vs pctDeltaM and pdMPerEtL for M_E
pctDeltaM_E
pdMPerEtL_M_E
0.00
-0.02
-0.04
-0.06
-0.08
200
400
600
800
1000
1200
1400
ETcIdef

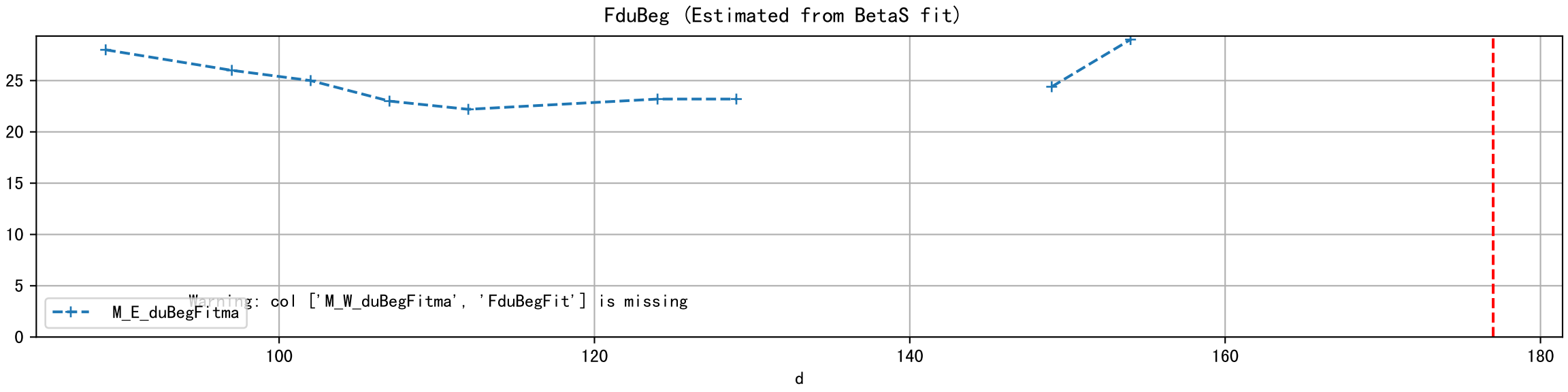

Daily %DeltaM and %DeltaM/1000ml ETcldef for M_W (-2.8%/D, -2.4%/1000ml ET)
pctDeltaM_W
maPctDeltaM_W
pdMPerEtL_M_W
maPdMPerEtL_M_W
0.10
0.05
0.00
-0.05
-0.10
-0.15
-0.20
-0.25
-0.30
0
25
50
75
100
125
150
175
d

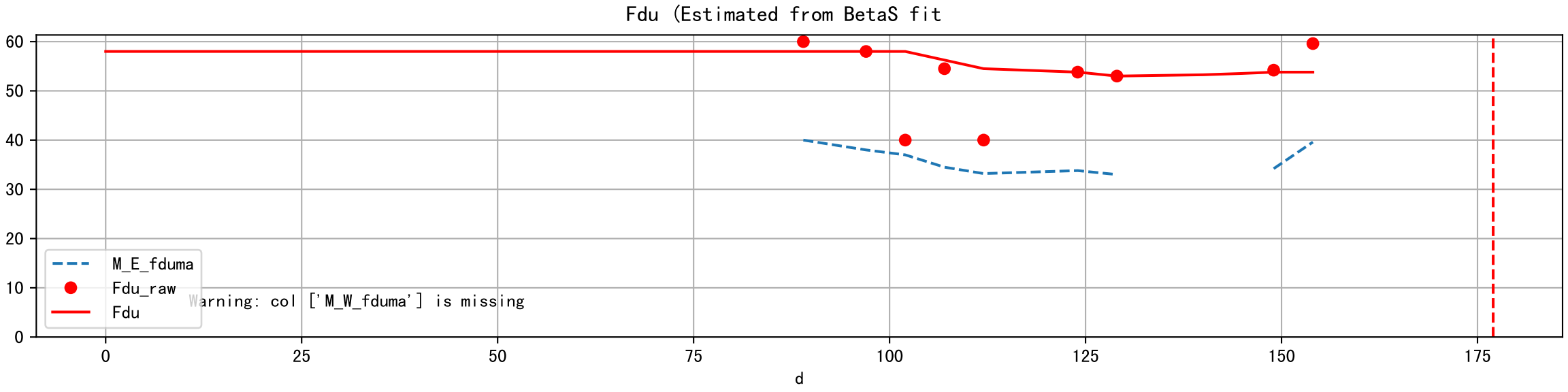

ETcIdef vs pctDeltaM and pdMPerEtL for M_W
pctDeltaM_W
0.00
-0.02
-0.04
-0.06
-0.08
-0.10
200
400
600
800
1000
1200
1400
ETcIdef
pdMPerEtL_M_W
0.000
-0.025
-0.050
-0.075
-0.100
-0.125
-0.150
200
400
600
800
1000
1200
1400
ETcIdef

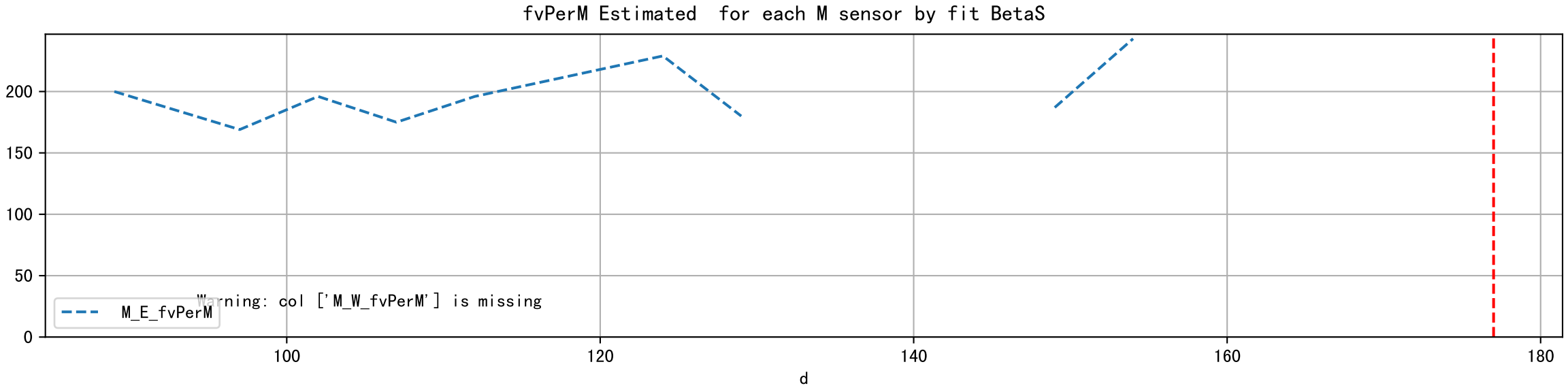

M_W d15 ([52.0, 20.9, -0.0] fdu=27.0
[1.08, 10.0, 6.0, 6.0, -0.87]
M_W d26 ([53.0, 20.2, -0.0] fdu=27.0
[1.04, 10.0, 6.0, 6.0, -0.69]
M_W d32 ([50.0, 5.0, -16.0] fdu=54.0
[1.0, 20.0, 20.0, 20.0, -2.44]
M_W d32 ([50.0, 5.0, -16.0] fdu=54.0
[1.0, 20.0, 20.0, 20.0, -2.44]
M_W d38 ([46.0, 20.0, -0.0] fdu=27.0
[1.03, 10.0, 6.0, 6.0, -1.39]
M_W d49 ([52.0, 5.0, -17.0] fdu=53.0
[1.0, 20.0, 20.0, 20.0, -3.28]
M_W d58 ([49.0, 15.4, -0.0] fdu=81.0
[5.69, 10.0, 6.0, 60.0, -0.92]
M_W d63 ([47.0, 9.9, -0.0] fdu=81.0
[3.66, 10.0, 6.0, 60.0, -1.77]
M_W d66 ([45.0, 5.0, -14.0] fdu=56.0
[1.0, 20.0, 20.0, 20.0, -4.11]
M_W d71 ([46.0, 9.0, -14.0] fdu=67.0
[3.33, 10.0, 6.0, 60.0, -2.21]
M_W d76 ([47.0, 5.0, -14.0] fdu=56.0
[1.0, 20.0, 20.0, 20.0, -3.13]
M_W d82 ([48.0, 10.7, -0.0] fdu=81.0
[3.95, 10.0, 6.0, 60.0, -1.34]
M_E d89 ([24.0, 24.7, -0.0] fdu=40.0
[0.97, 18.57, 6.0, 6.0, 1.0]
M_W d89 ([49.0, 5.0, -15.0] fdu=55.0
[1.0, 20.0, 20.0, 20.0, -2.64]
M_E d97 ([23.0, 23.2, -0.0] fdu=36.0
[0.99, 15.73, 6.0, 6.0, 0.99]
M_W d97 ([50.0, 21.3, -0.0] fdu=27.0
[1.1, 10.0, 6.0, 6.0, -0.46]
M_E d102 ([23.0, 21.2, -0.0] fdu=35.0
[0.97, 15.09, 6.0, 6.34, 0.99]
M_W d102 ([50.0, 5.0, -16.0] fdu=54.0
[1.0, 20.0, 20.0, 20.0, -2.97]
M_E d107 ([18.0, 19.6, -1.0] fdu=27.0
[0.97, 11.0, 6.0, 6.0, 0.99]
M_W d107 ([45.0, 20.8, -0.0] fdu=27.0
[1.07, 10.0, 6.0, 6.0, -1.39]

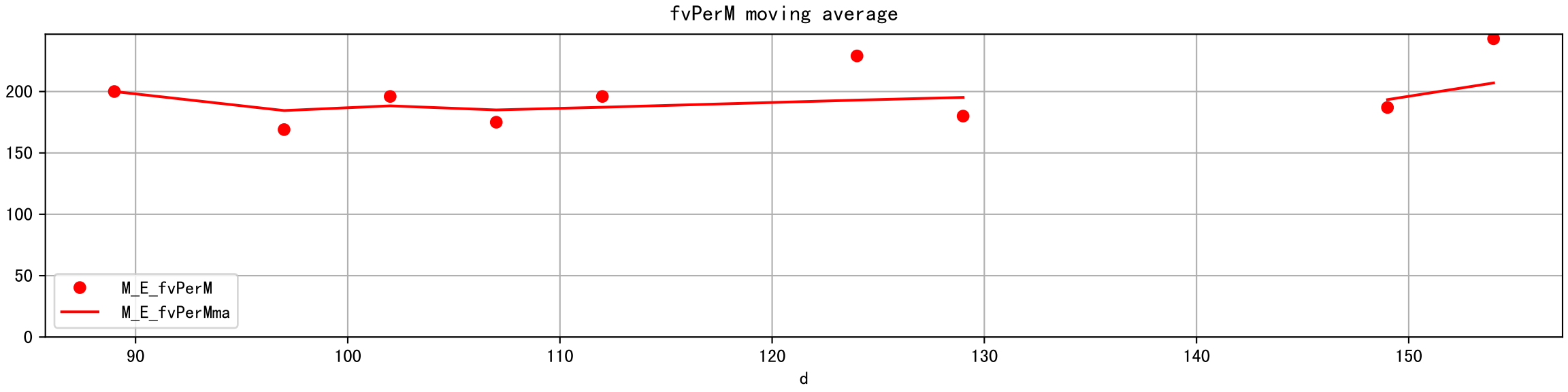

M_E d112 ([21.0, 20.6, -2.0] fdu=28.0
[0.97, 12.4, 6.0, 6.0, 0.99]
M_W d112 ([47.0, 5.0, -13.0] fdu=57.0
[1.0, 20.0, 20.0, 20.0, -2.98]
M_E d124 ([27.0, 18.7, -5.0] fdu=43.0
[0.95, 21.96, 6.0, 8.51, 1.0]
M_W d124 ([53.0, 8.8, -16.0] fdu=65.0
[3.27, 10.0, 6.0, 60.0, -0.46]
M_E d129 ([28.0, 18.2, -5.0] fdu=32.0
[0.95, 15.97, 6.0, 7.51, 0.99]
M_W d129 ([52.0, 20.8, -0.0] fdu=27.0
[1.07, 10.0, 6.0, 6.0, -0.14]
M_E d140 ([25.0, 8.0, -4.0] fdu=84.0
[2.87, 14.66, 6.0, 60.0, 0.95]
M_W d140 ([52.0, 8.0, -15.0] fdu=64.0
[2.85, 10.0, 6.0, 57.75, 0.04]
M_E d145 ([30.0, 9.7, -6.0] fdu=129.0
[7.35, 10.0, 60.0, 60.0, 0.87]
M_W d145 ([54.0, 19.6, -0.0] fdu=27.0
[1.01, 10.0, 6.0, 6.0, 0.56]
M_E d149 ([28.0, 25.0, -0.0] fdu=41.0
[0.96, 19.43, 6.0, 6.0, 1.0]
M_W d149 ([52.0, 19.8, -0.0] fdu=27.0
[1.02, 10.0, 6.0, 6.0, 0.45]
M_E d154 ([28.0, 21.4, -0.0] fdu=54.0
[0.98, 26.68, 6.0, 8.4, 1.0]
M_W d154 ([54.0, 19.2, -0.0] fdu=27.0
[0.99, 10.0, 6.0, 6.0, 0.76]

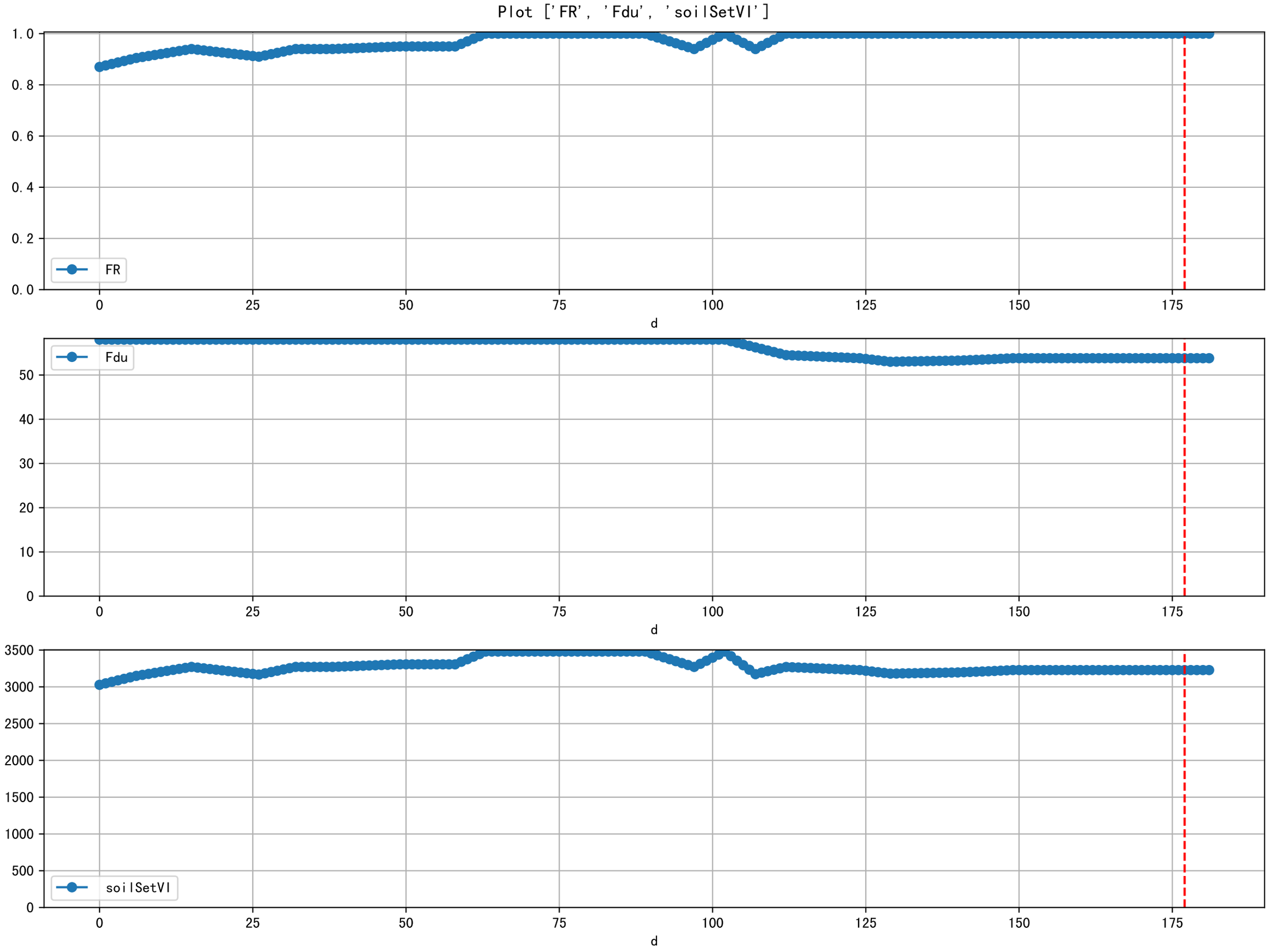

Fdu, duBegFit, and duBeg moving average
M_E_fdu
M_E_duBegFit
M_E_duBeg
M_W_duBeg
Warning: col ['M_W_fdu', 'M_W_fduma', 'M_W_duBegFit', 'M_W_duBegFitma'] is missing
d
d


FduBeg (Estimated from BetaS fit)
25
20
15
10
5
0
100
120
140
160
180
d
M_E_duBegFitma
Warning: col ['M_W_duBegFitma', 'FduBegFit'] is missing

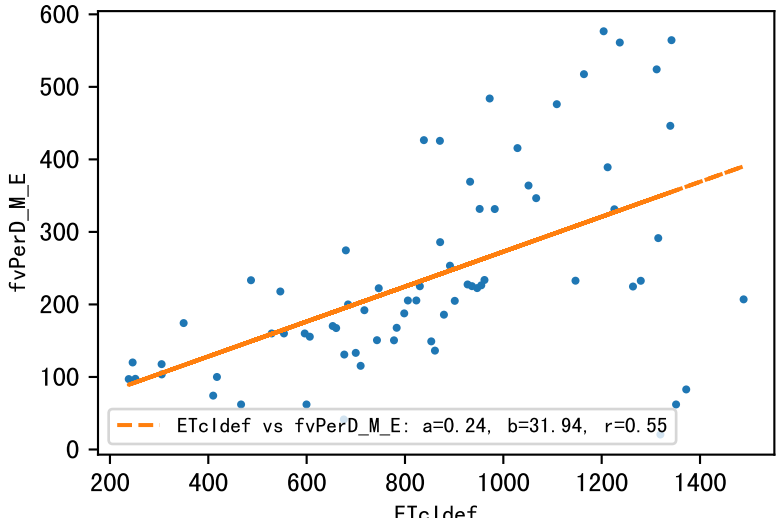

Fdu (Estimated from BetaS fit
M_E_fduma
Fdu_raw
Fdu
Warning: col ['M_W_fduma'] is missing
60
50
40
30
20
10
0
0
25
50
75
100
125
150
175
d

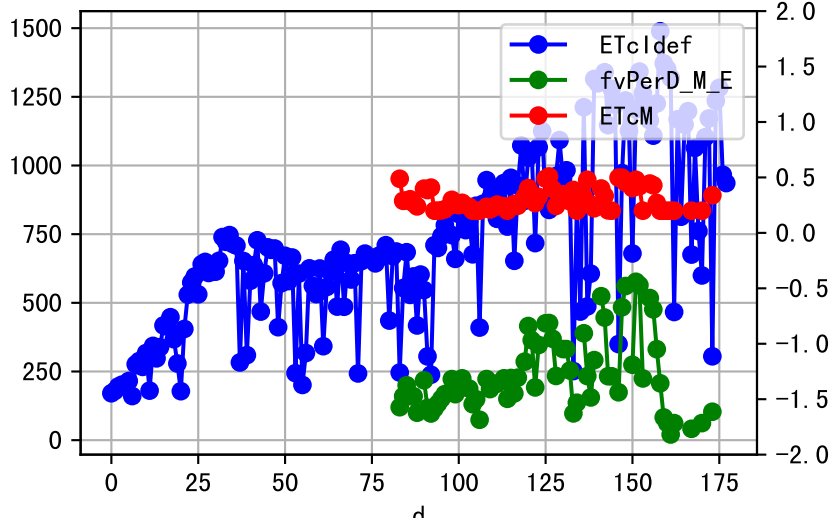

fvPerM Estimated for each M sensor by fit BetaS
200
150
100
50
0
100
120
140
160
180
d
M_E_fvPerM
Warning: col ['M_W_fvPerM'] is missing

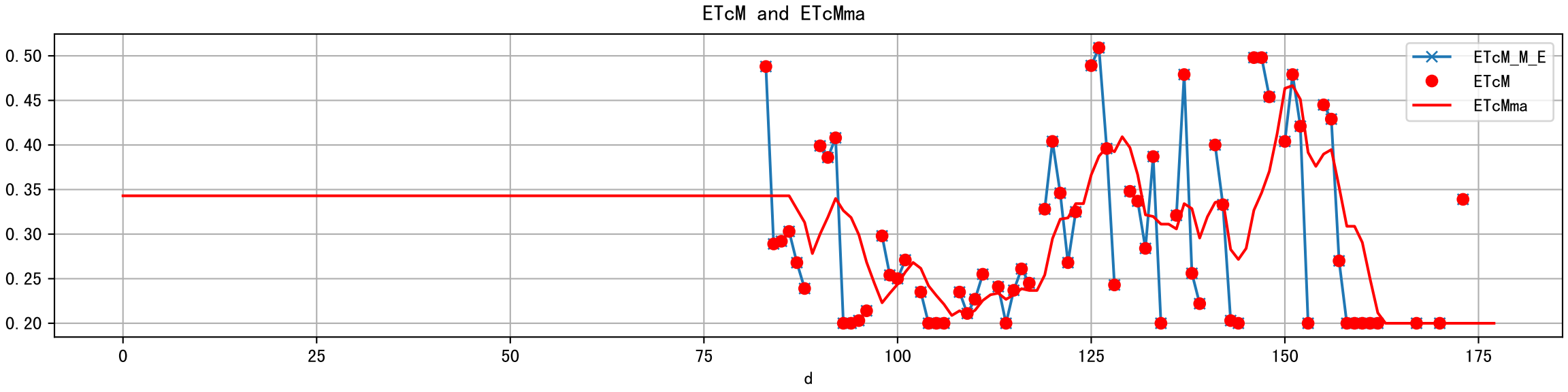

fvPerM moving average
200
150
100
50
0
90
100
110
120
130
140
150
d
M_E_fvPerM
M_E_fvPerMma


Plot ['FR', 'Fdu', 'soilSetVI']
1.0
0.8
0.6
0.4
0.2
0.0
FR
0
25
50
75
100
125
150
175
d
Fdu
50
40
30
20
10
0
0
25
50
75
100
125
150
175
d
3500
3000
2500
2000
1500
1000
500
0
soilSetVI
0
25
50
75
100
125
150
175
d

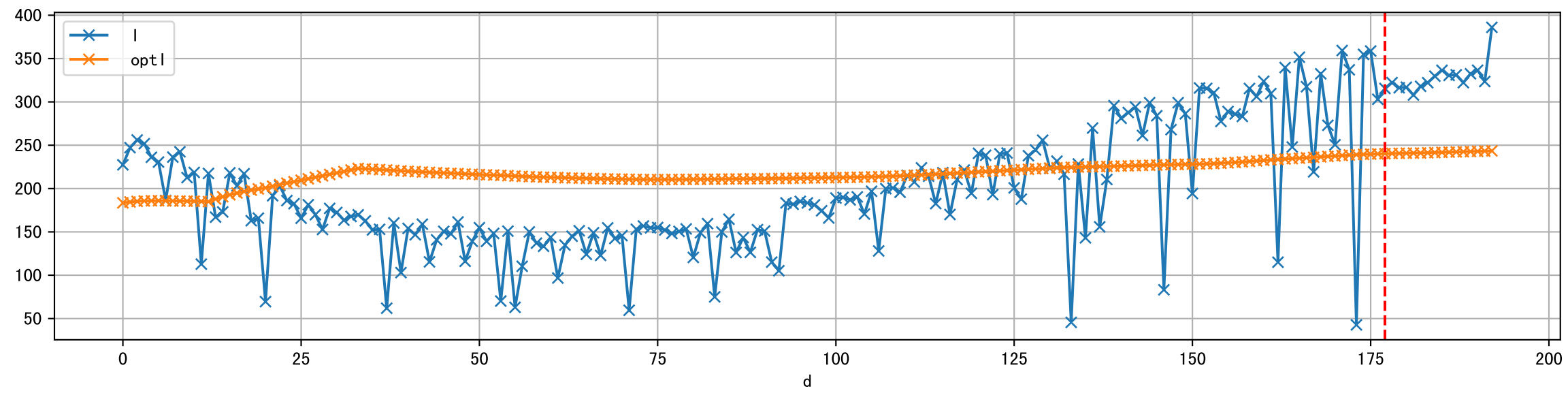
M_E ETcIdef vs estFv

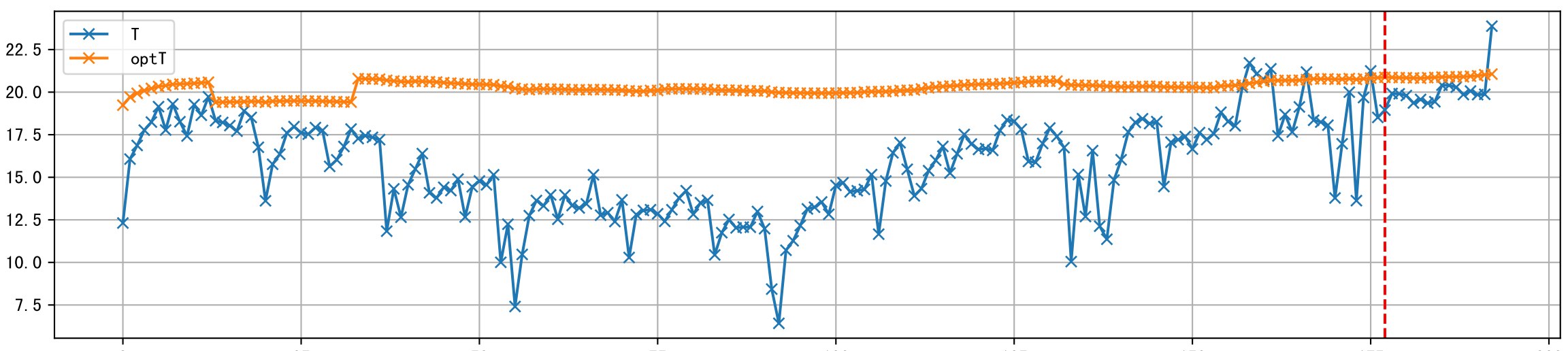


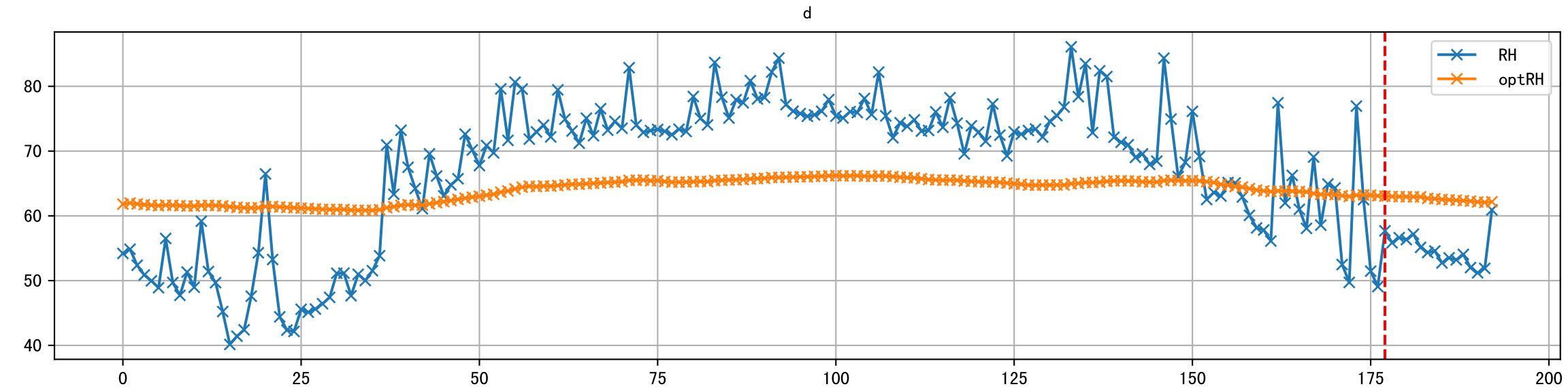


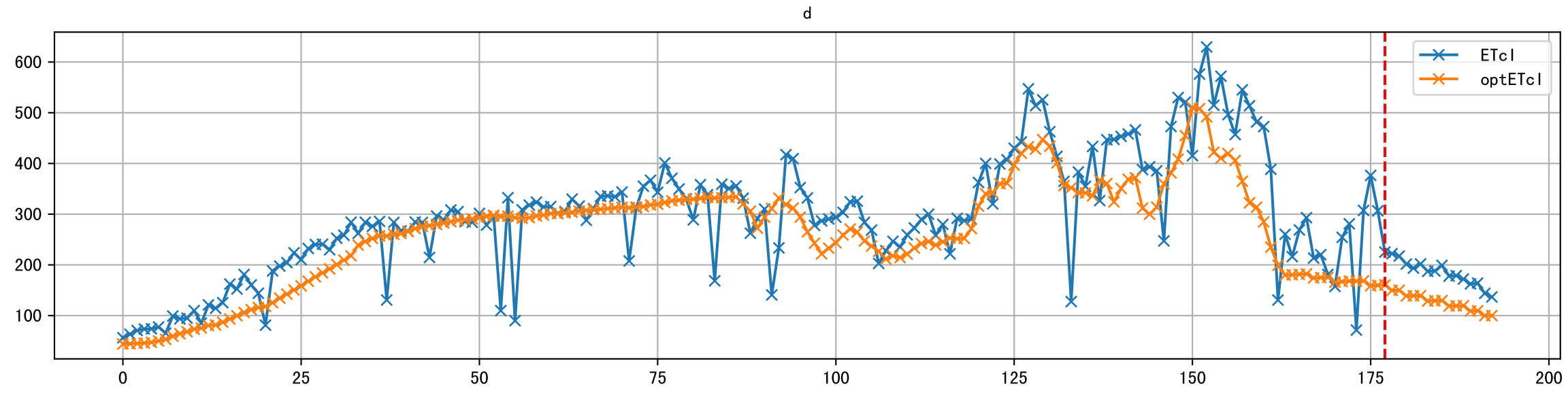

ETcM and ETcMma
ETcM_M_E
ETcM
ETcMma
0.50
0.45
0.40
0.35
0.30
0.25
0.20
0
25
50
75
100
125
150
175
d

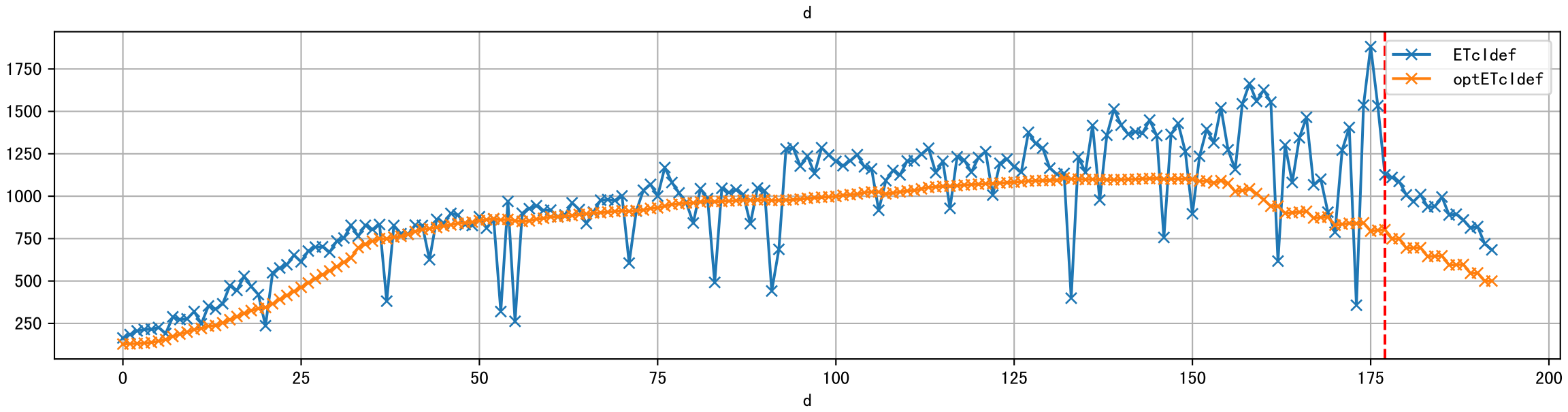
I'], ['T', 'optT'], ['RH', 'optRH'], ['ETcI', 'optETcI'], ['ETcIdef', 'optETcIdef'], ['ETo1', 'optETo1'], 'LAI', ['optEtRate', 'optEtRateDef', '

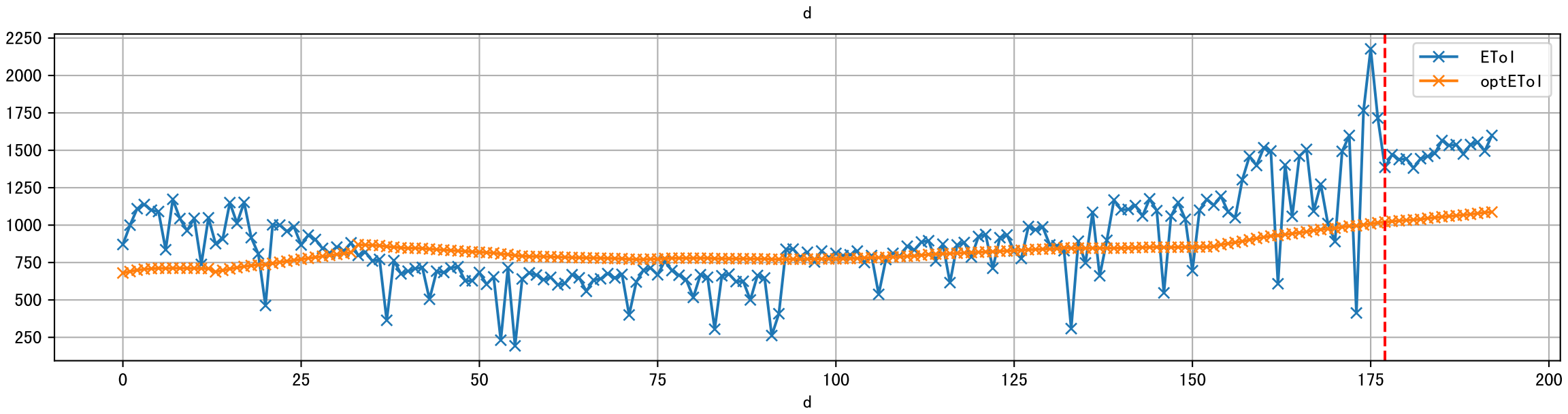


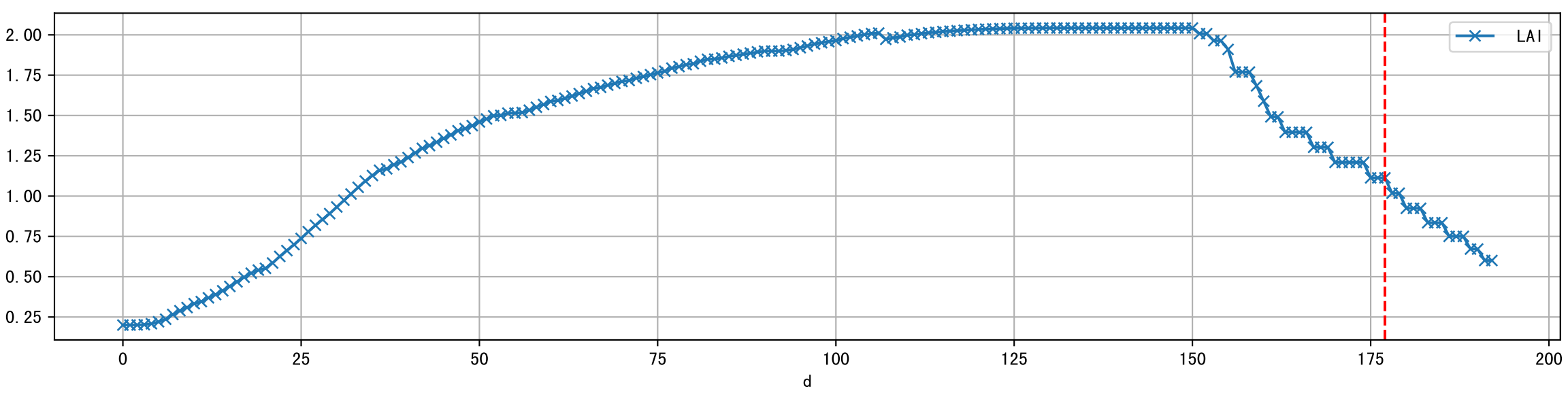


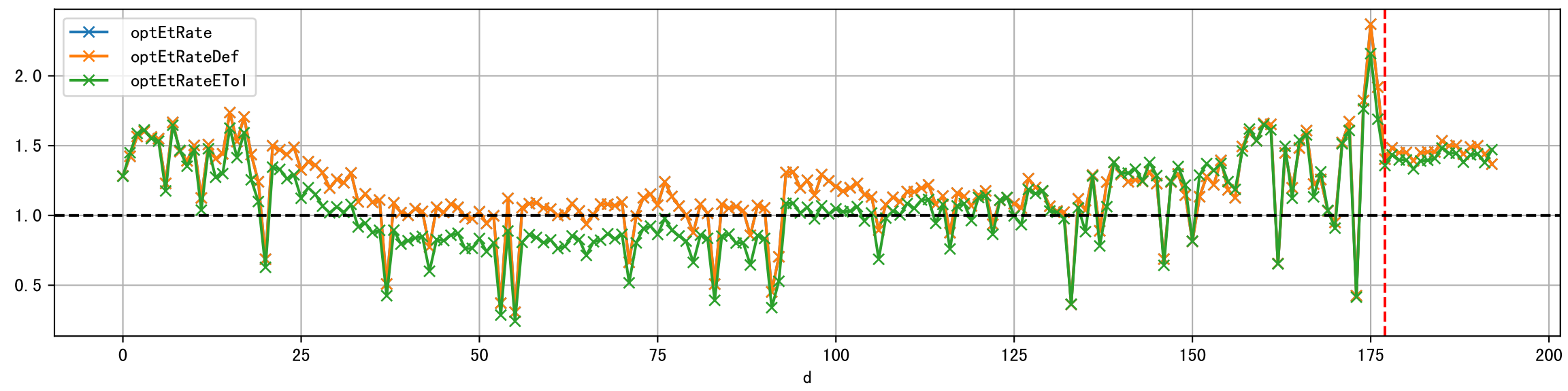


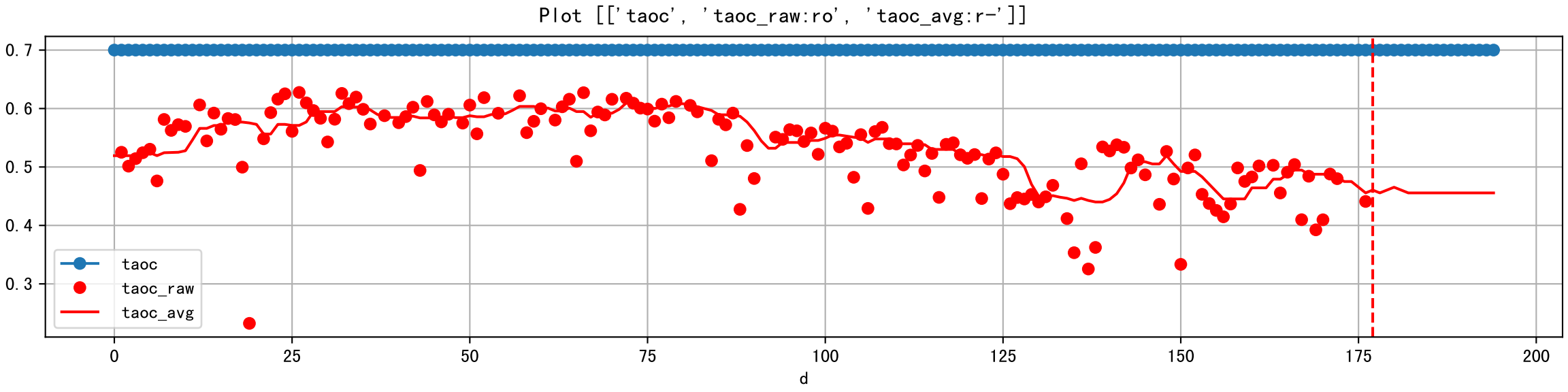




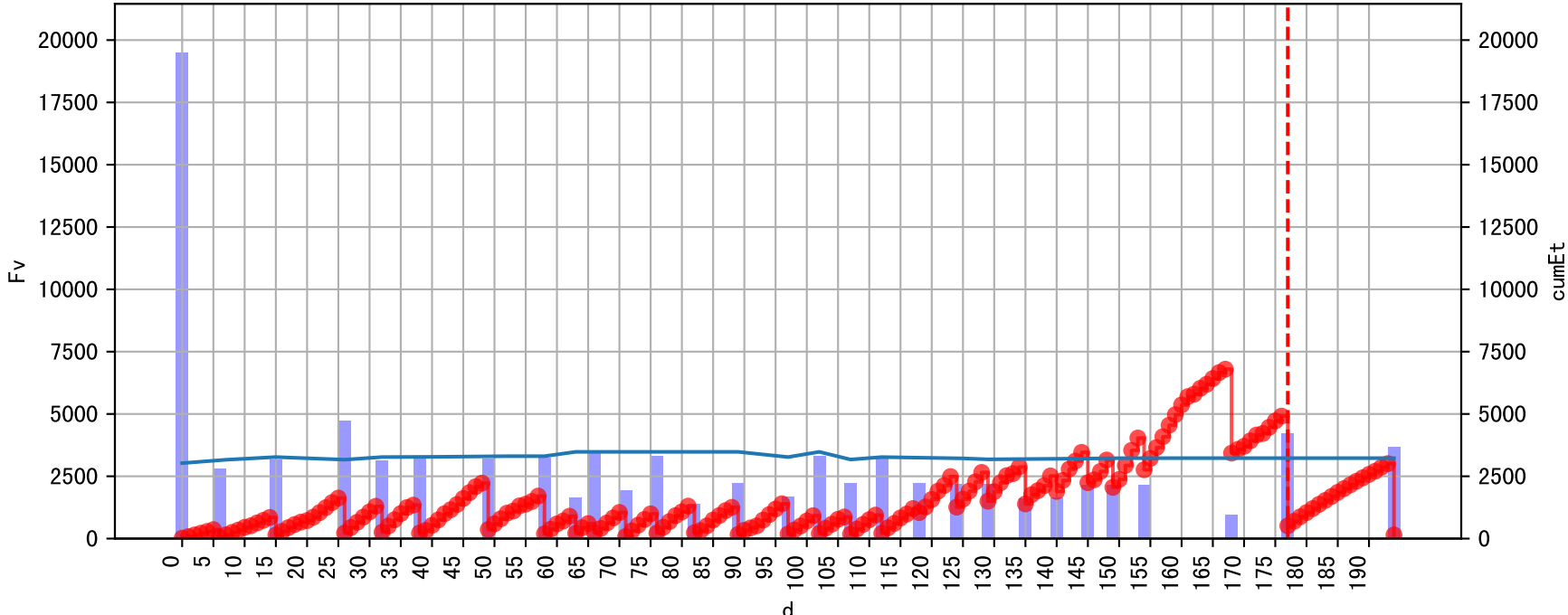


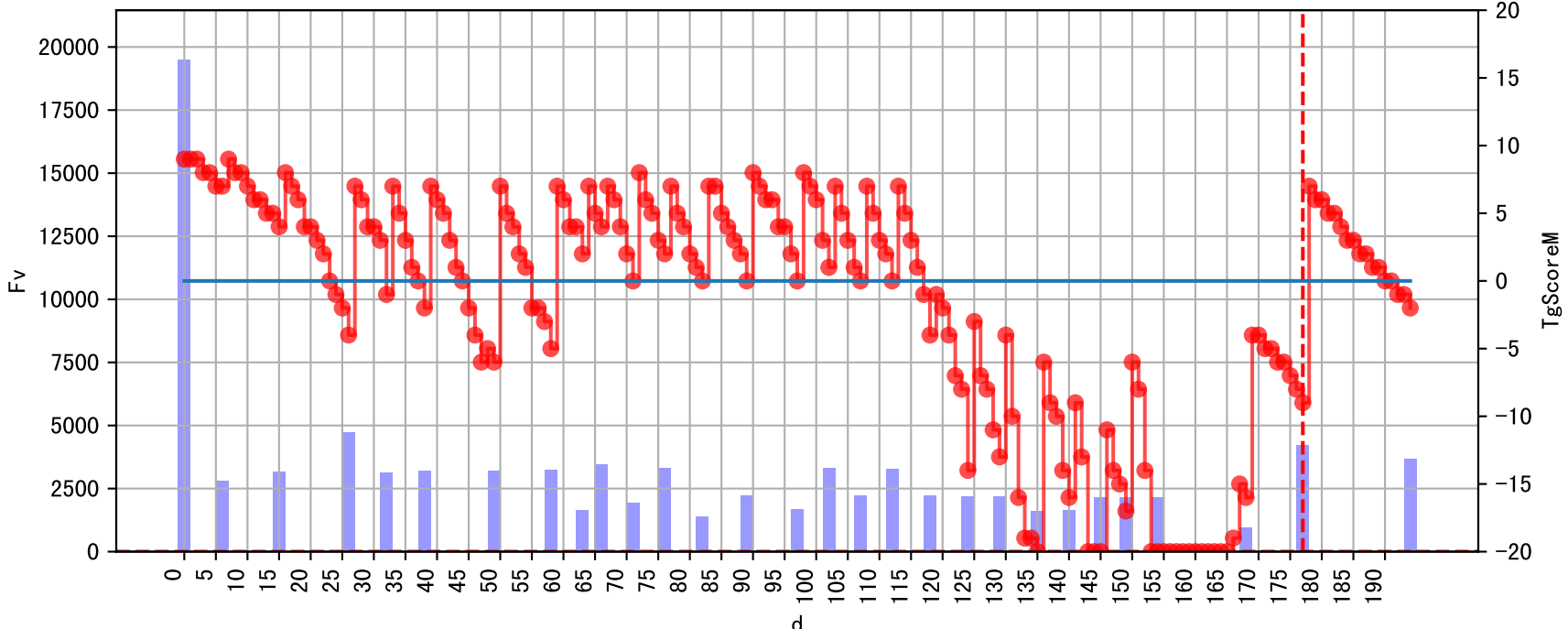




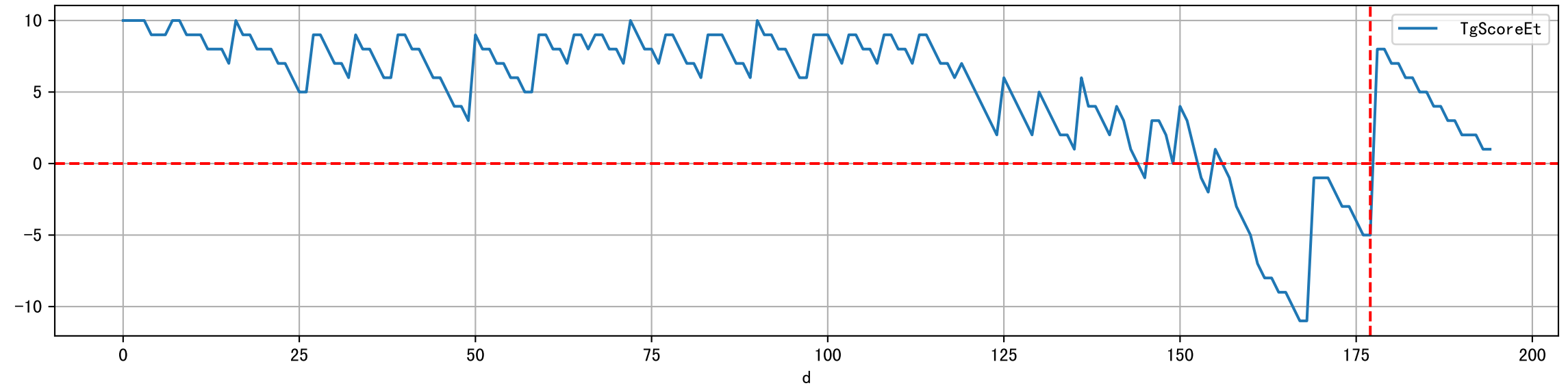

Plot [['taoc', 'taoc_raw:ro', 'taoc_avg:r-']]
0.7
0.6
0.5
0.4
0.3
taoc
taoc_raw
taoc_avg
0
25
50
75
100
125
150
175
200
d

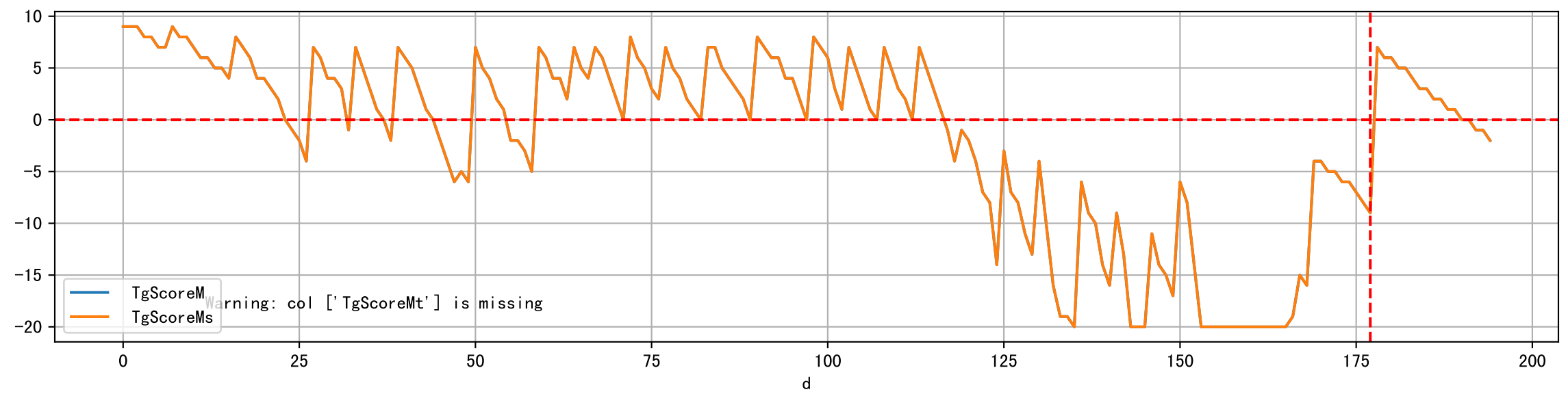
	note	fz	fzStockID	expFDF	expEC	preDu	fzDu
.0	假设未如期灌溉	清水		nan	nan	0.0	0.0
.0	如期灌溉但量少，灌溉透支5492ml/株，母液稀释倍数缺失(假设100倍)	清水	1133.0	100.0	1679.0	0.0	658.0
.0	假设未如期灌溉	清水		nan	nan	0.0	0.0
.0	假设未如期灌溉	清水		nan	nan	0.0	0.0
.0	假设未如期灌溉	清水		nan	nan	0.0	0.0
.0	假设未如期灌溉	清水		nan	nan	0.0	0.0
.0	假设未如期灌溉	清水		nan	nan	0.0	0.0
.0	假设未如期灌溉	清水		nan	nan	0.0	0.0
.0	假设未如期灌溉	清水		nan	nan	0.0	0.0
.0	假设未如期灌溉	清水		nan	nan	0.0	0.0
.0	预期灌溉（昨日未灌），预期灌溉，灌溉透支717ml/株	清水	1133	500.0	623.0	360.0	3551.0
.0	预期灌溉	清水	TBD	500.0	360.0	360.0	3007.0

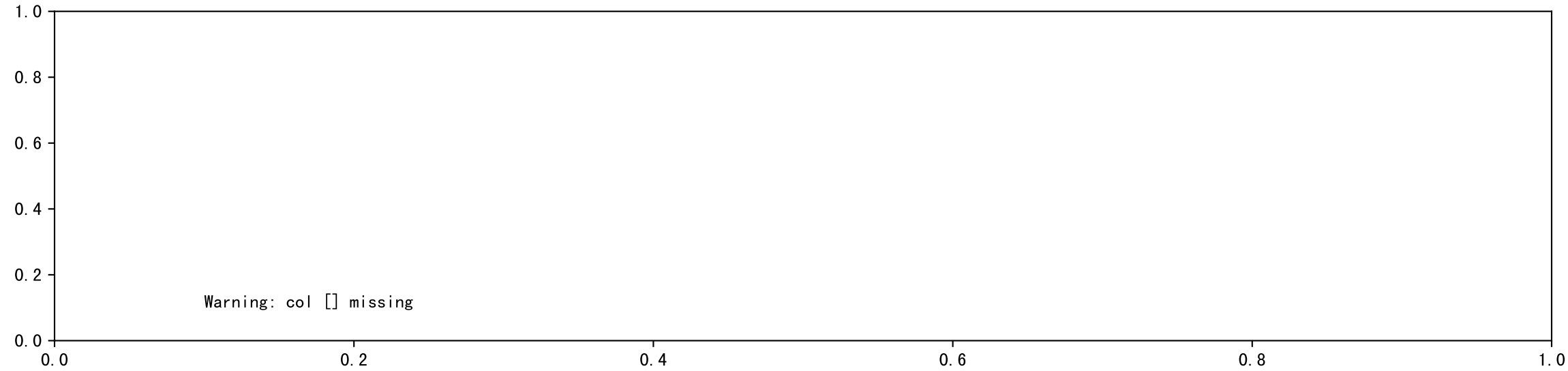

Fv
cumEt
0
2500
5000
7500
10000
12500
15000
17500
20000
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155 160 165 170 175 180 185 190

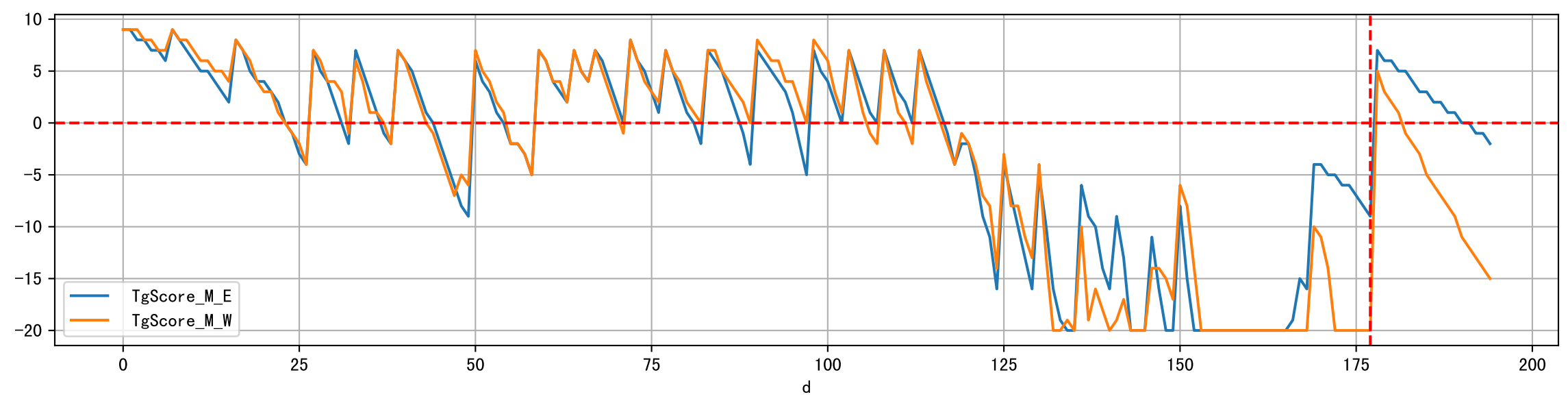

Fv
TgScoreM
20000
17500
15000
12500
10000
7500
5000
2500
0
20
15
10
5
0
−5
−10
−15
−20
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155 160 165 170 175 180 185 190

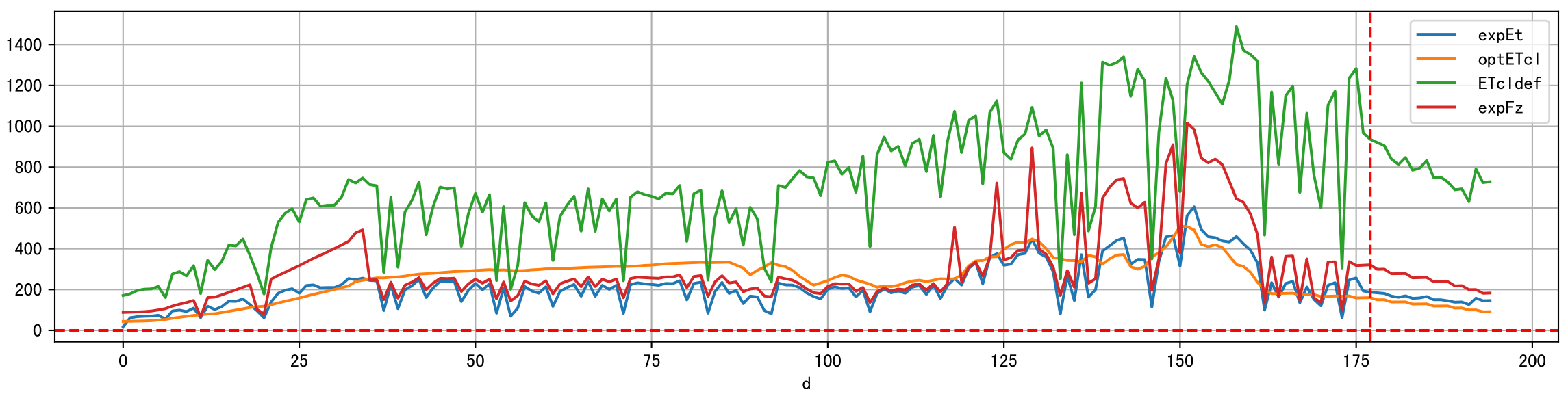
Fg Trigger Score (by Et and sensor)

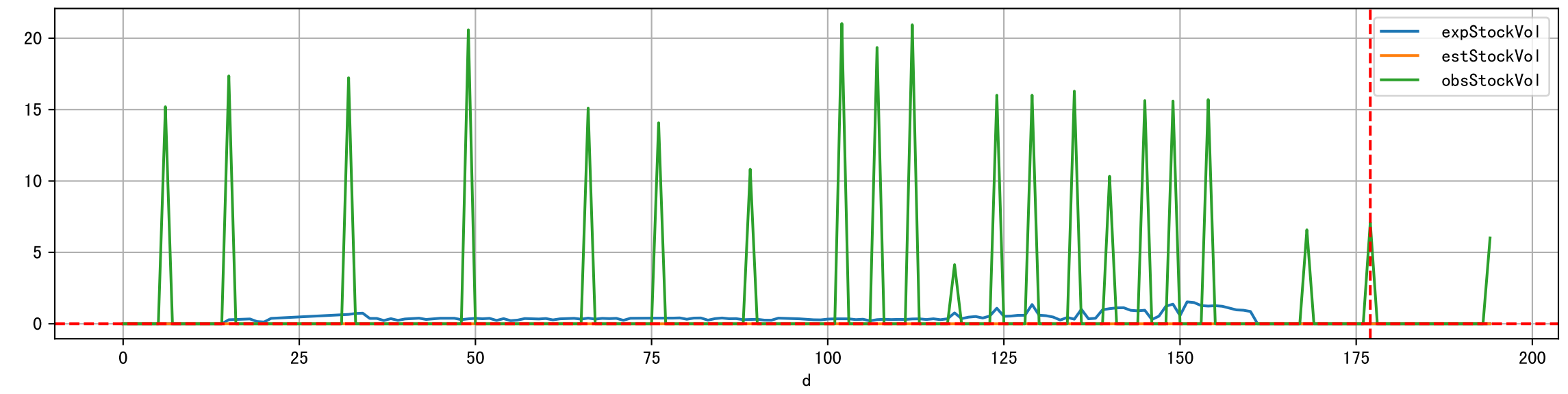




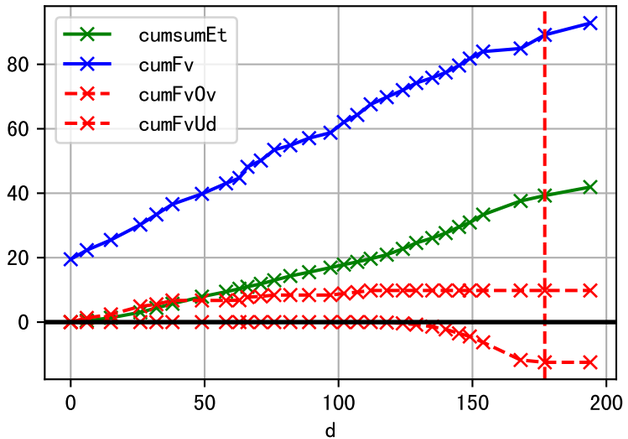


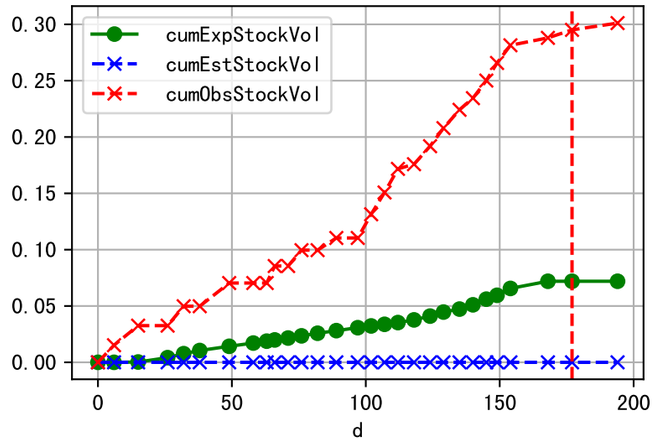


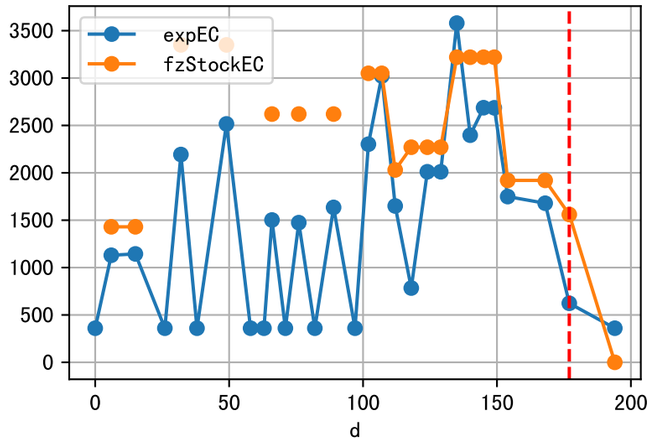


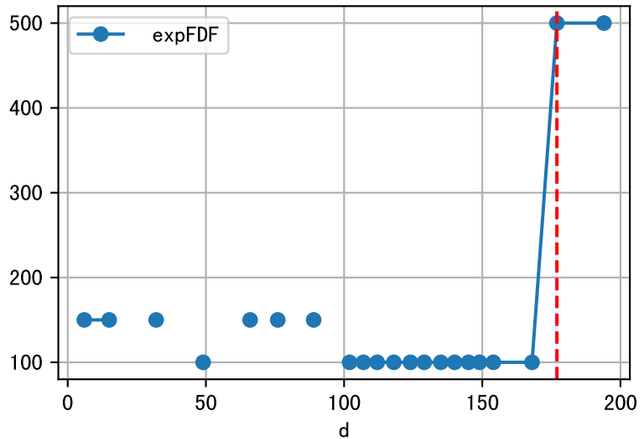


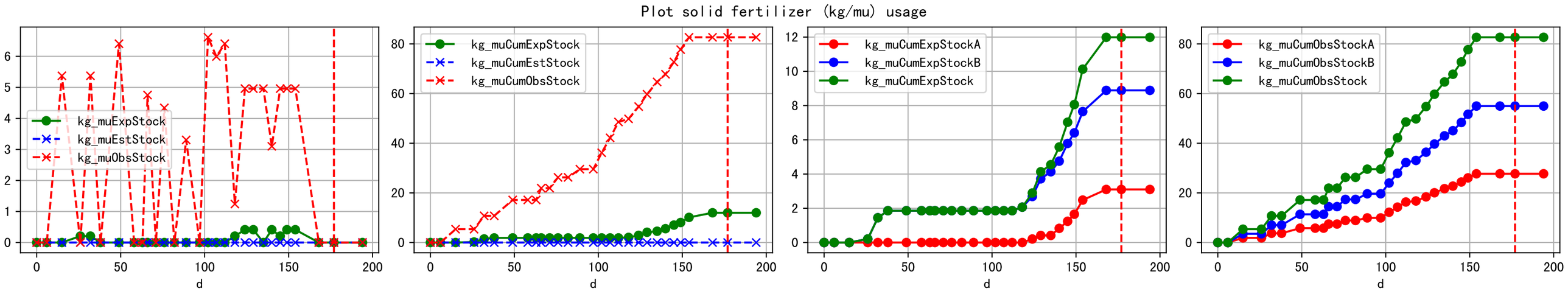
Plot liquid fertilizer usage

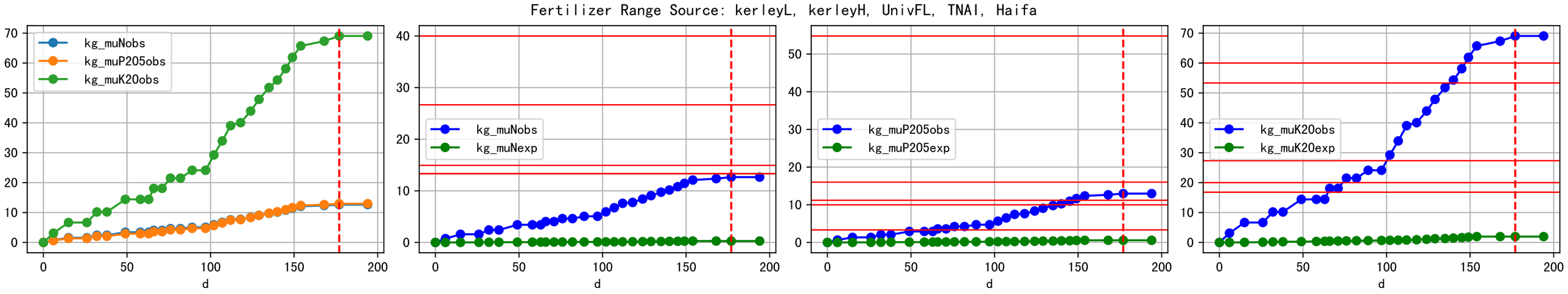









Plot solid fertilizer (kg/mu) usage
kg_muExpStock
kg_muEstStock
kg_muObsStock
kg_muCumExpStock
kg_muCumEstStock
kg_muCumObsStock
kg_muCumExpStockA
kg_muCumExpStockB
kg_muCumExpStock
kg_muCumObsStockA
kg_muCumObsStockB
kg_muCumObsStock
d
d
d
d


Fertilizer Range Source: kerleyL, kerleyH, UnivFL, TNAI, Haifa
kg_muNobs
kg_muP2O5obs
kg_muK2Oobs
kg_muNobs
kg_muNexp
kg_muP2O5obs
kg_muP2O5exp
kg_muK2Oobs
kg_muK2Oexp
d
d
d
d