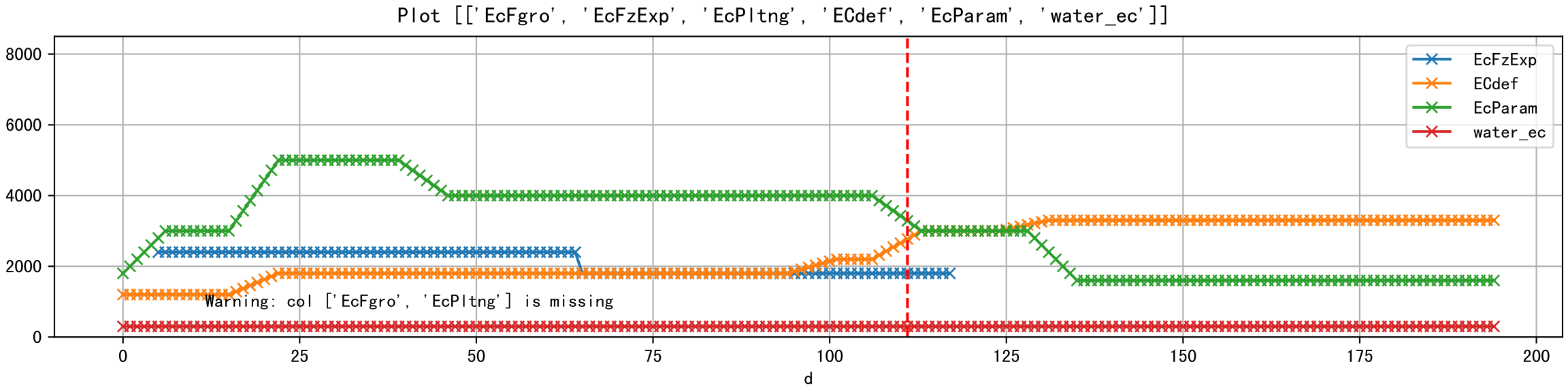
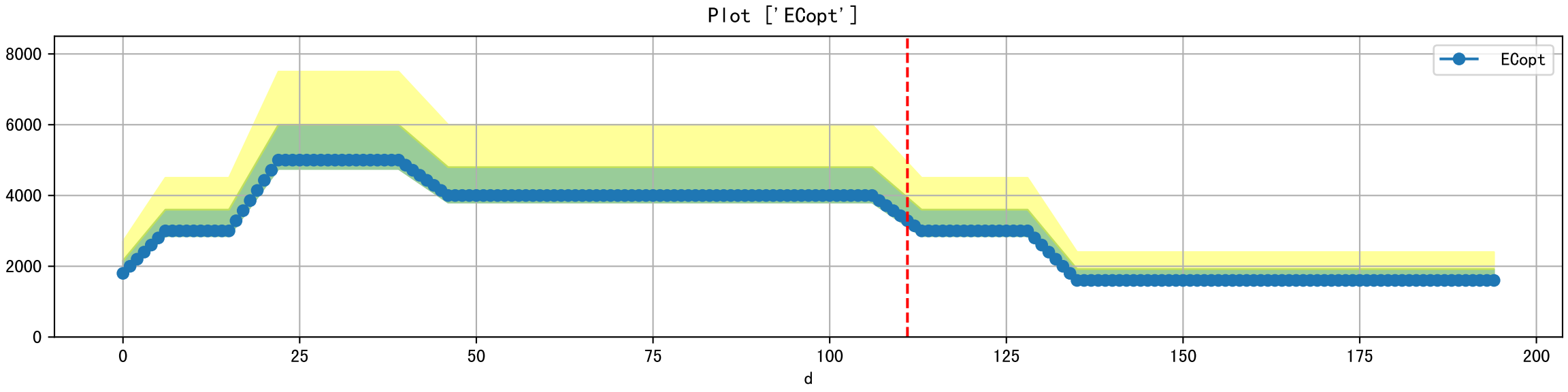
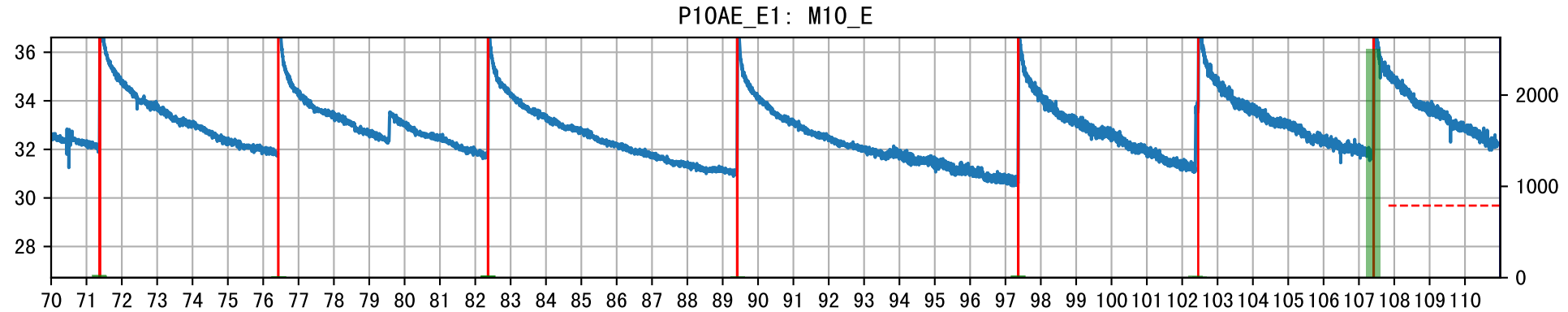
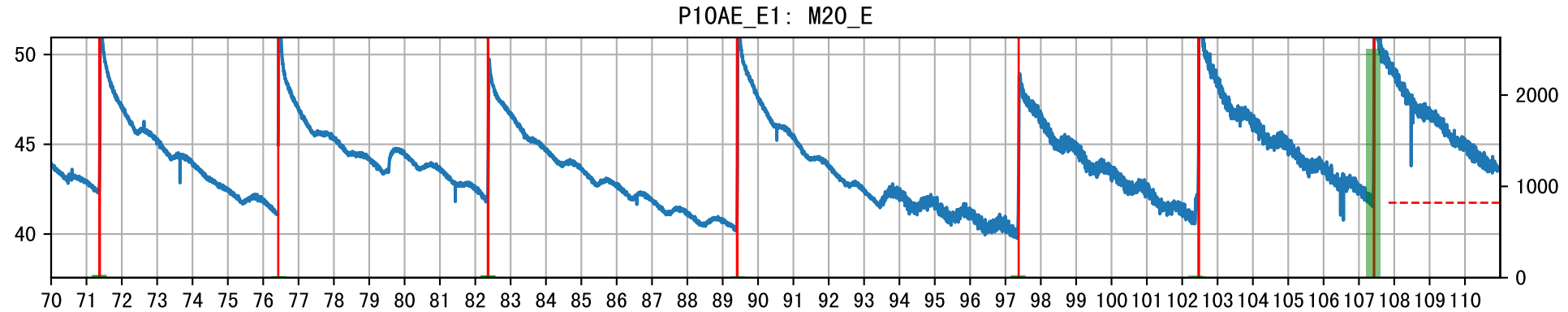
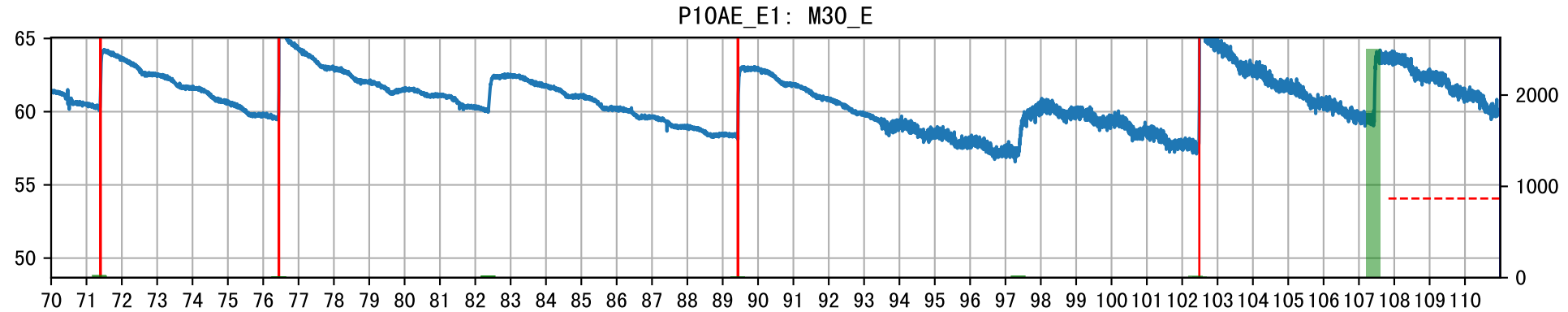
FgArea: ['E1']
NC11 P10
2026-02-06 (Day 111)

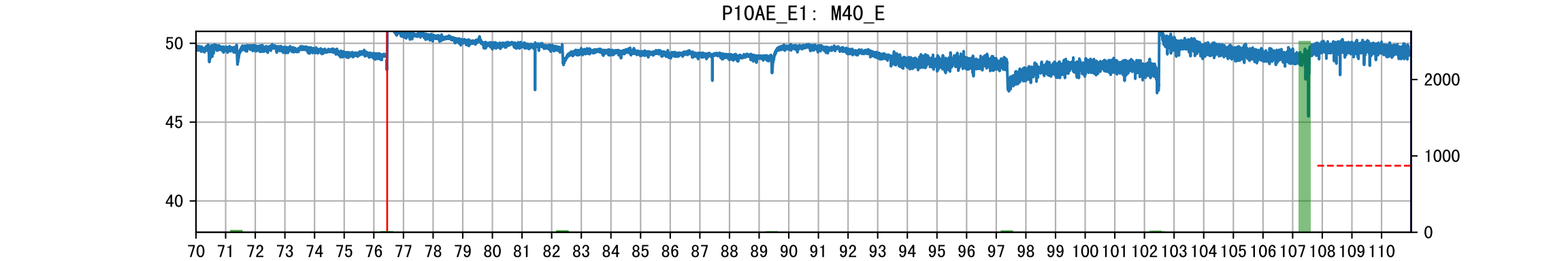

Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'EcParam', 'water_ec']]
EcFzExp
ECdef
EcParam
water_ec
Warning: col ['EcFgro', 'EcPltng'] is missing
8000
6000
4000
2000
0
0
25
50
75
100
125
150
175
200
d

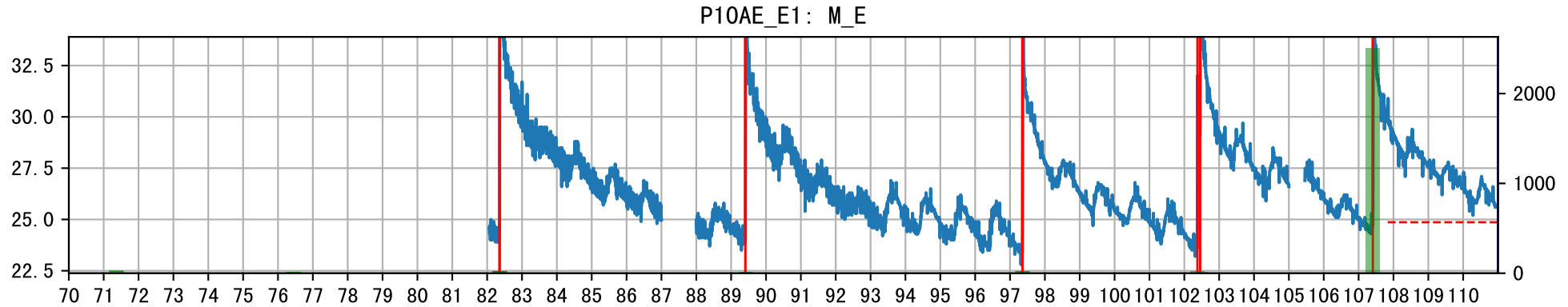

Plot ['ECopt']
ECopt
8000
6000
4000
2000
0
0
25
50
75
100
125
150
175
200
d


P10AE_E1: M10_E
36
34
32
30
28
2000
1000
0
70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110

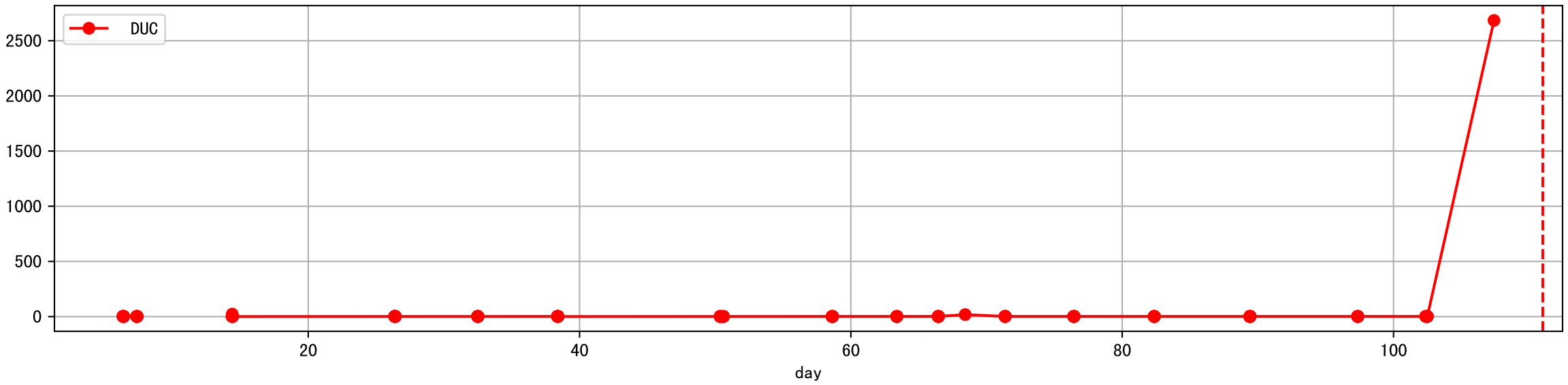

P10AE_E1: M20_E
50
45
40
2000
1000
0
70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110

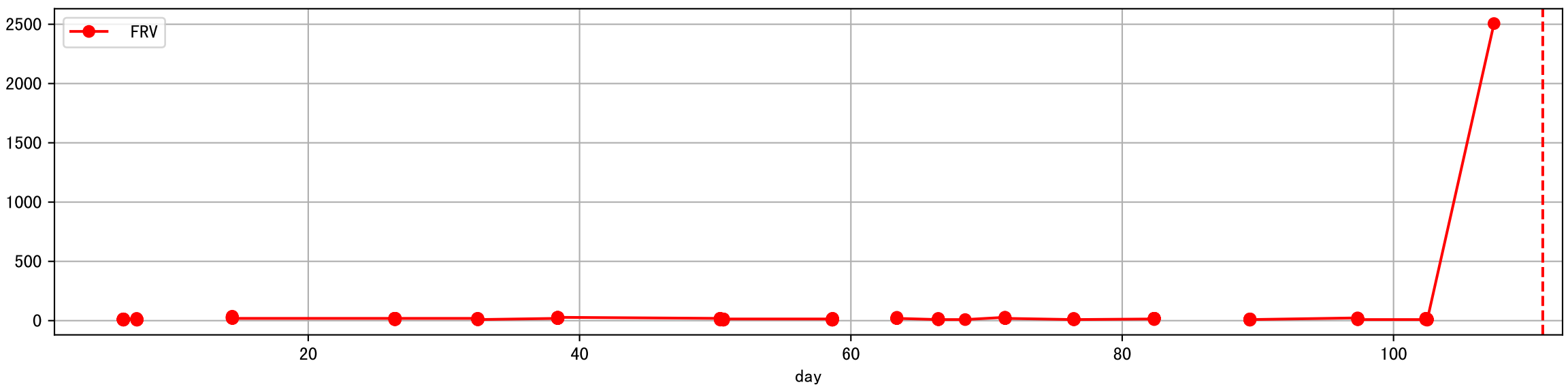

P10AE_E1: M30_E
65
60
55
50
2000
1000
0
70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110

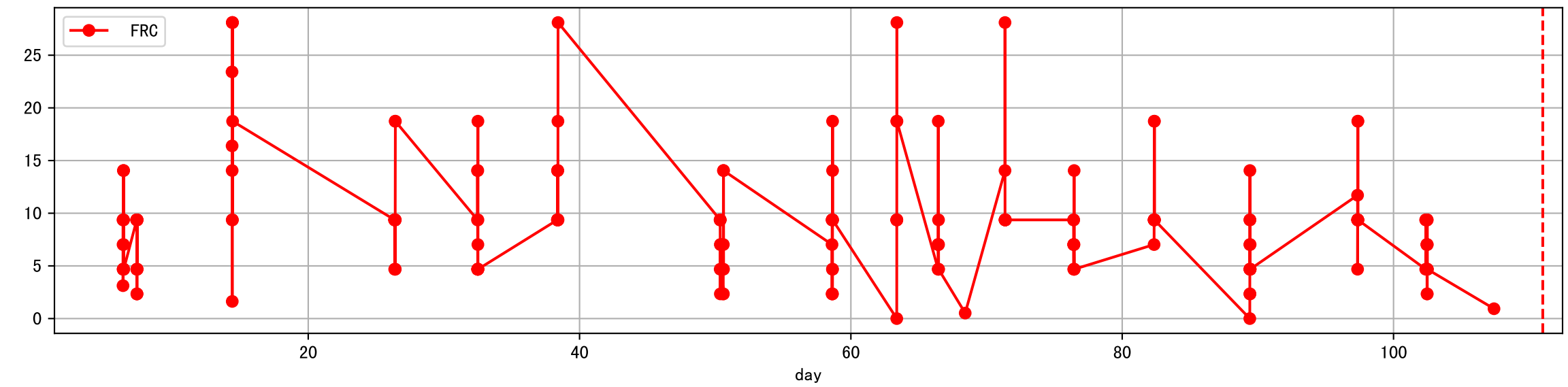

P10AE_E1: M40_E
50
45
40
2000
1000
0
70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110

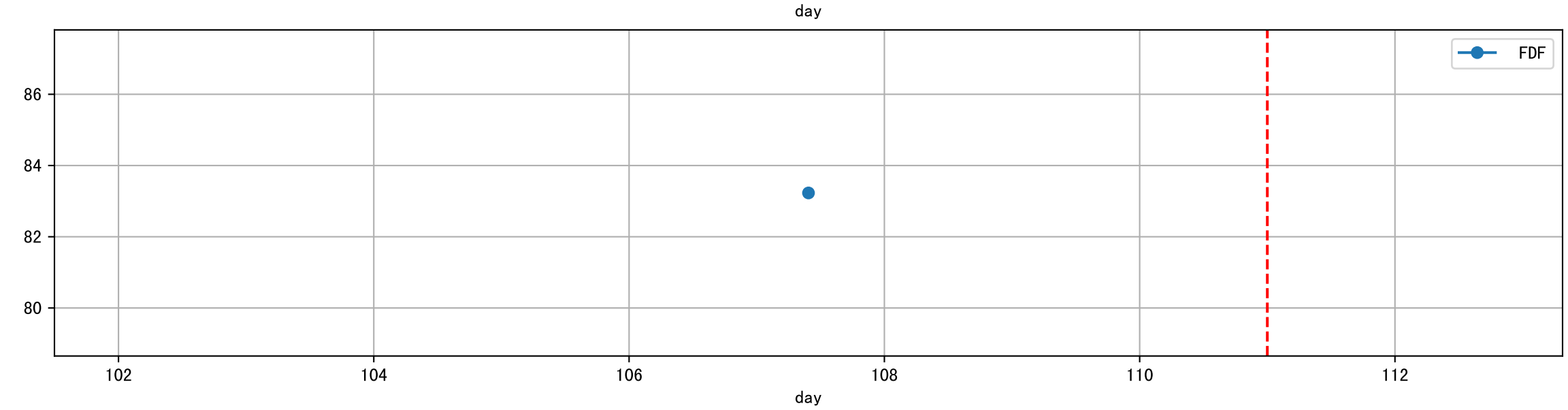

P10AE_E1: M_E
32.5
30.0
27.5
25.0
22.5
2000
1000
0
70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110

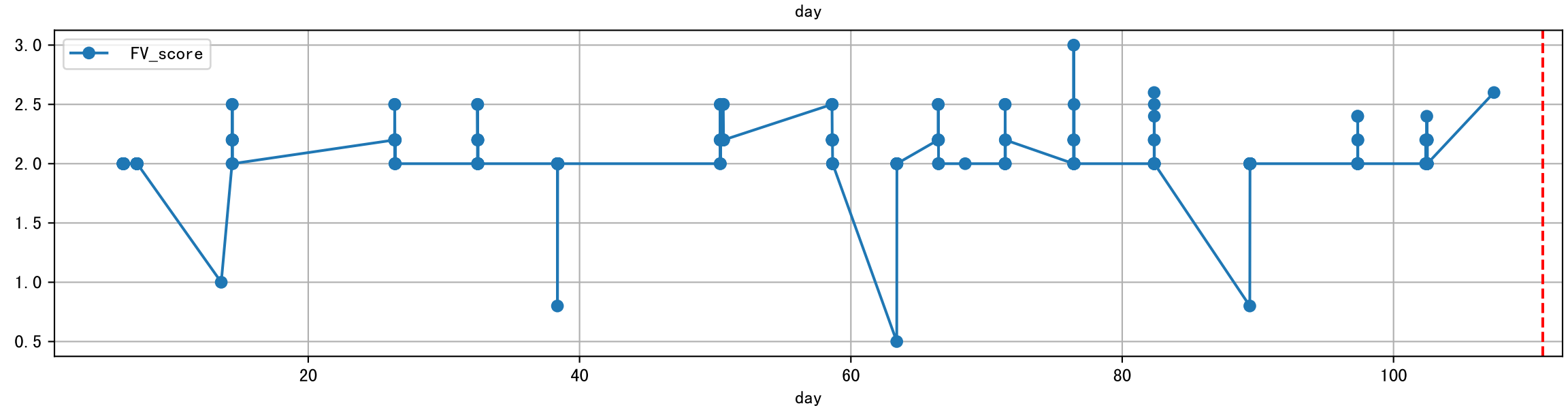
plot dfFv


DUC
2500
2000
1500
1000
500
0
20
40
60
80
100
day

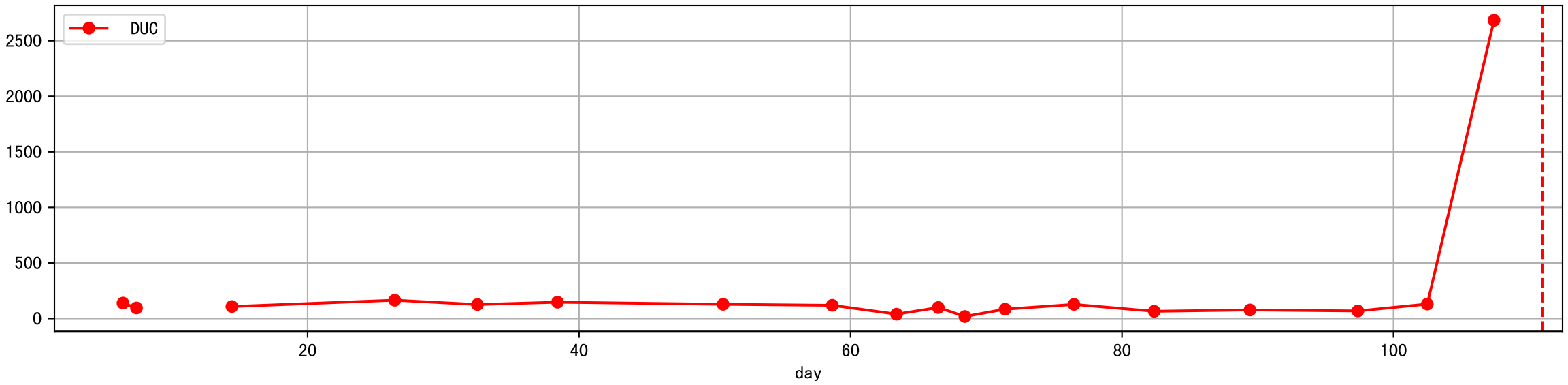

FRV
2500
2000
1500
1000
500
0
20
40
60
80
100
day

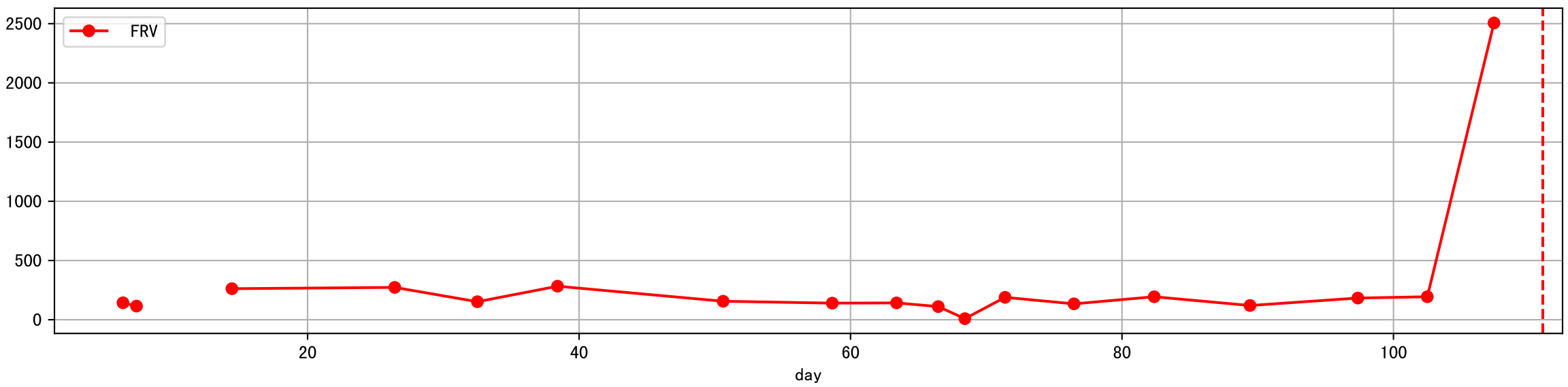

FRC
25
20
15
10
5
0
20
40
60
80
100
day

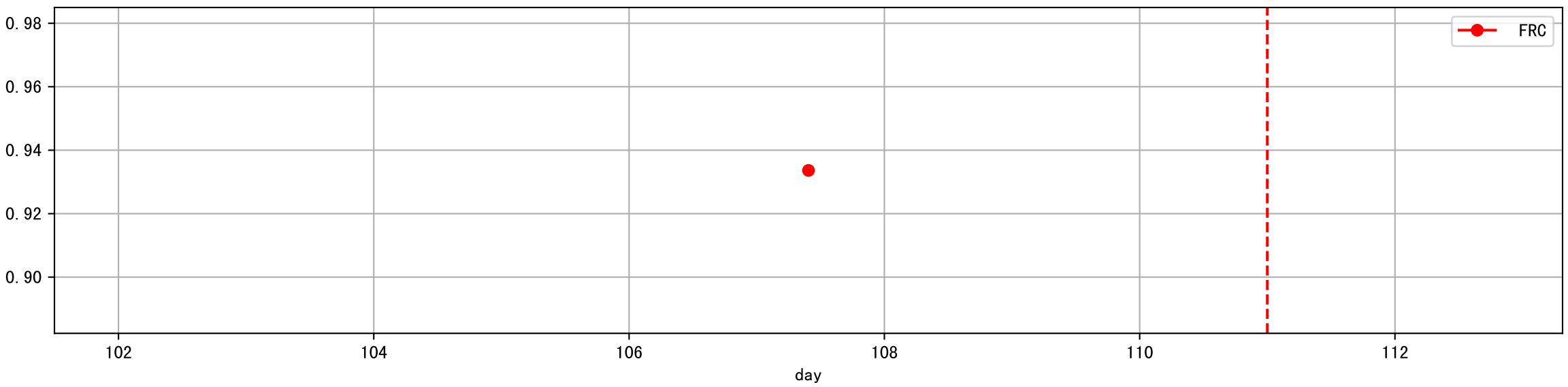

FDF
86
84
82
80
102
104
106
108
110
112
day

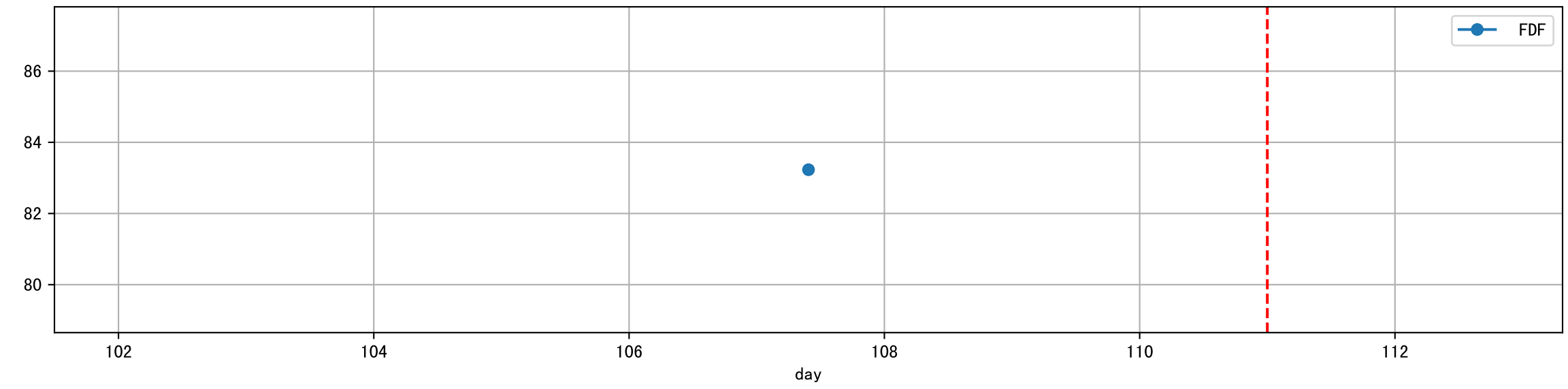

FV_score
3.0
2.5
2.0
1.5
1.0
0.5
20
40
60
80
100
day

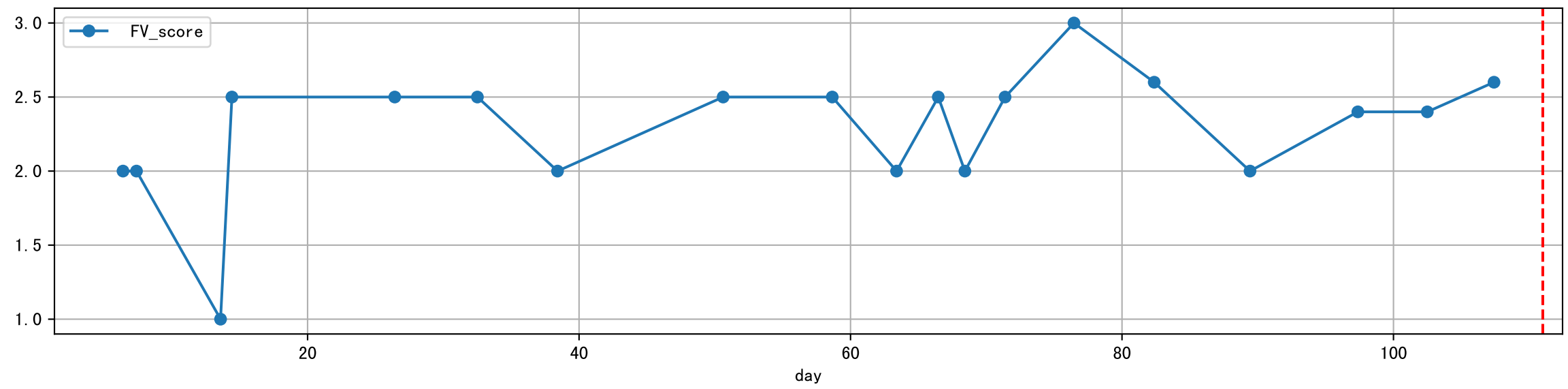
plot dfFv (daily Agg)

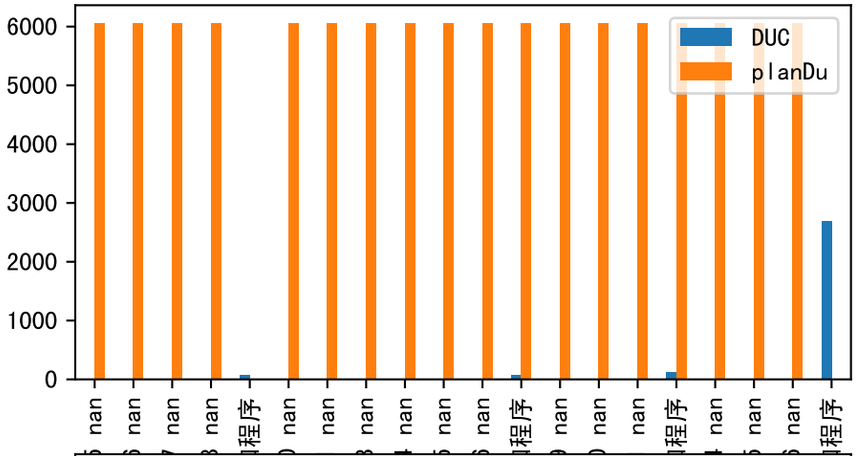


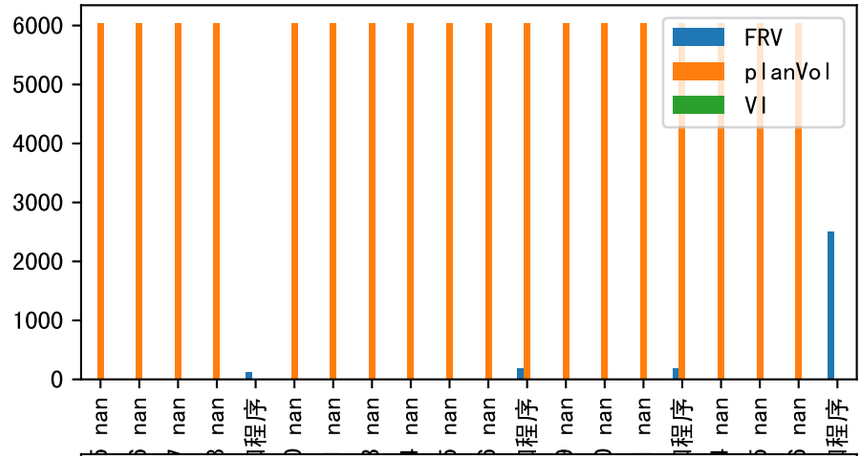


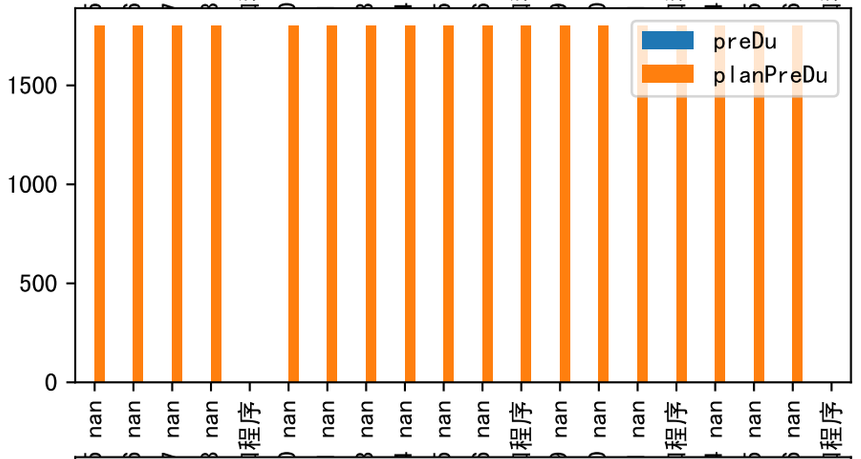


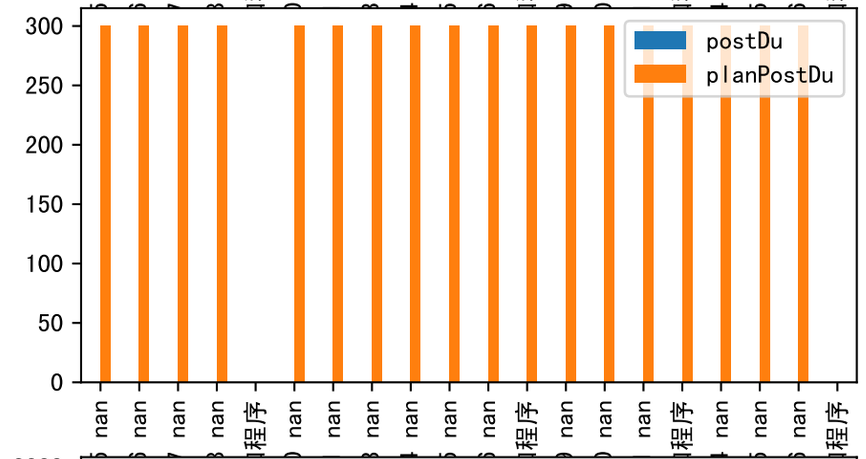


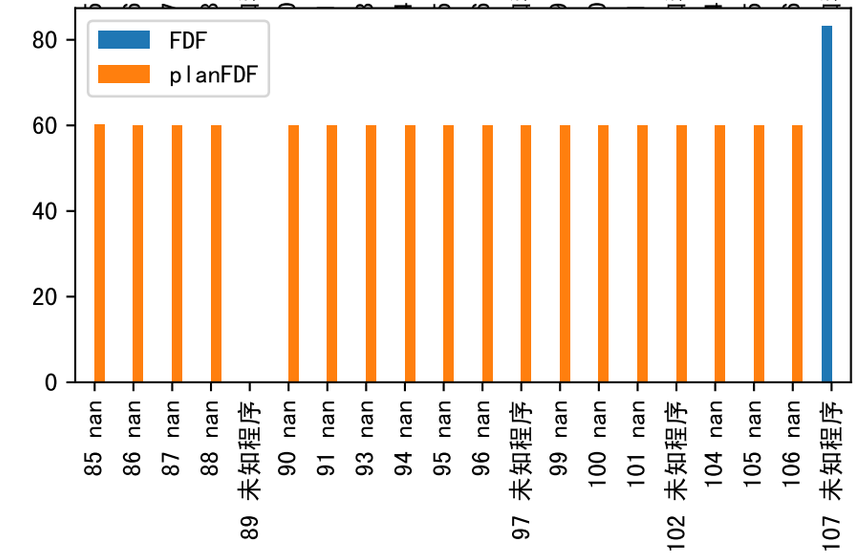


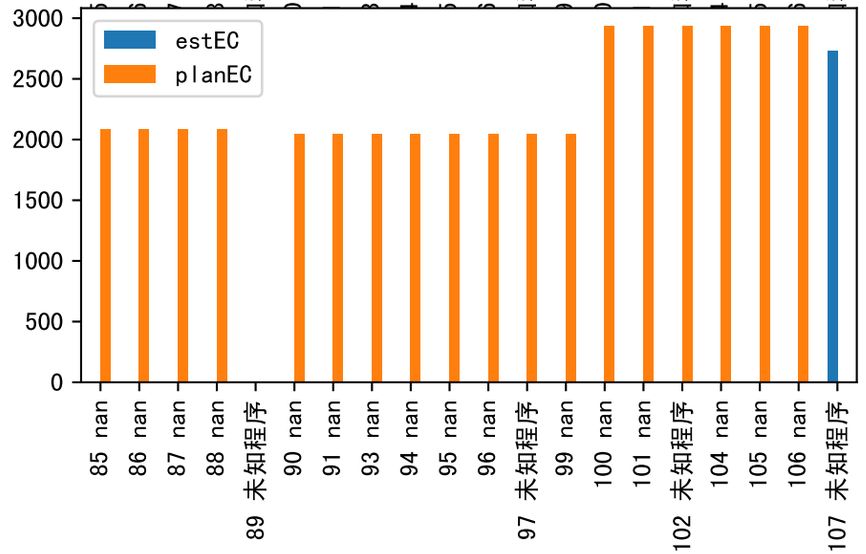

DUC
planDu

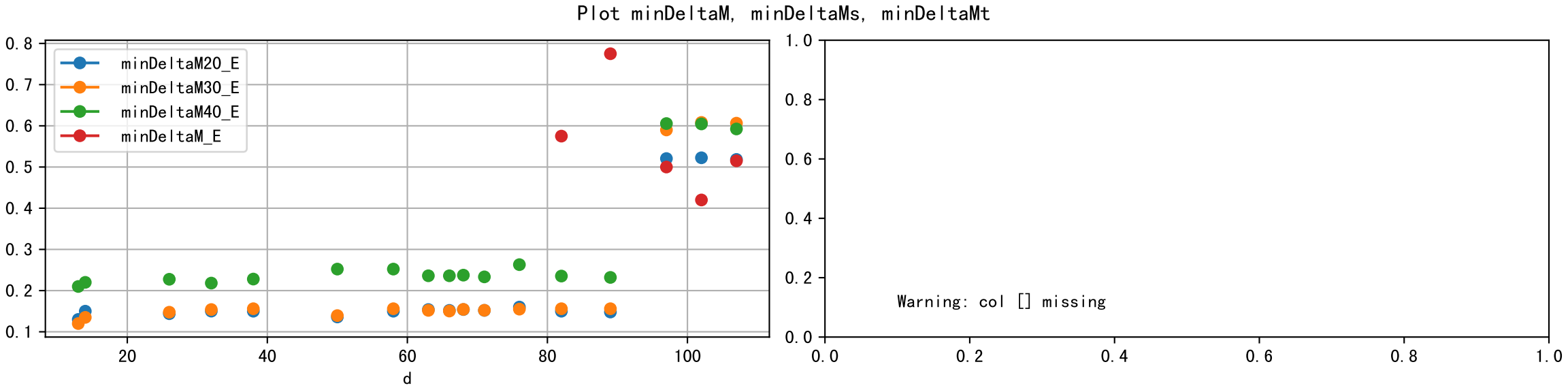

FRV
planVol
VI

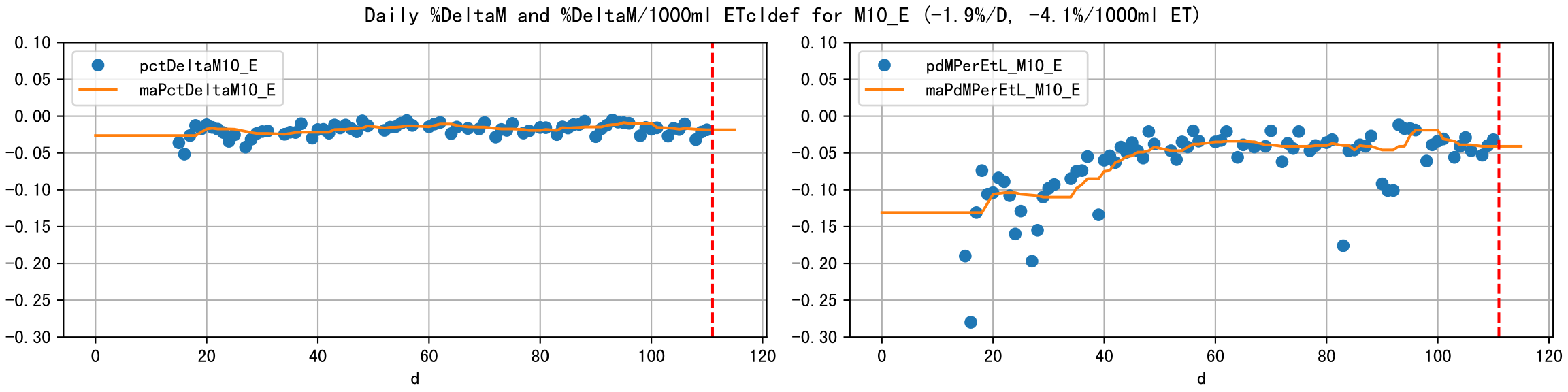

preDu
planPreDu

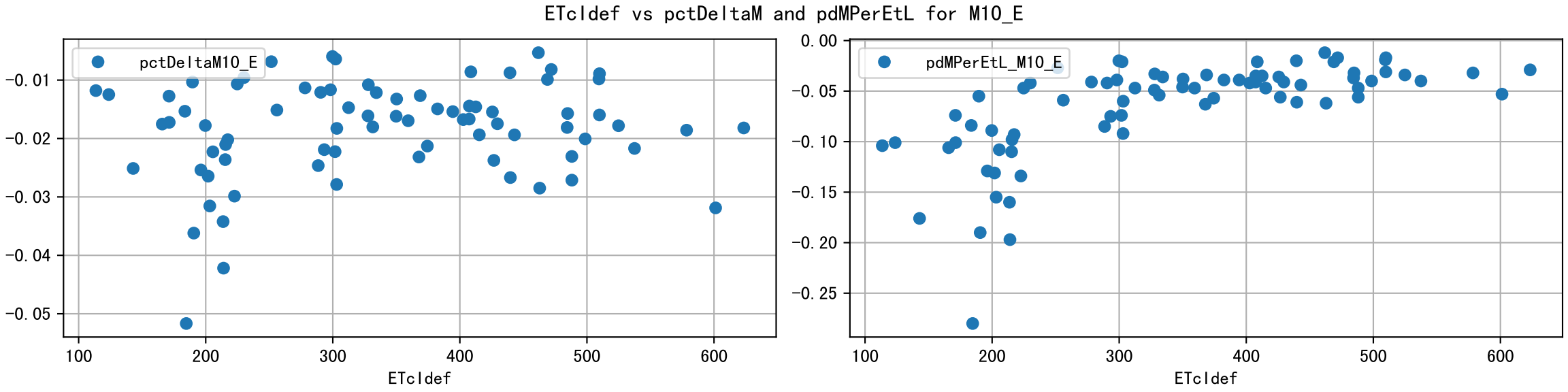

postDu
planPostDu

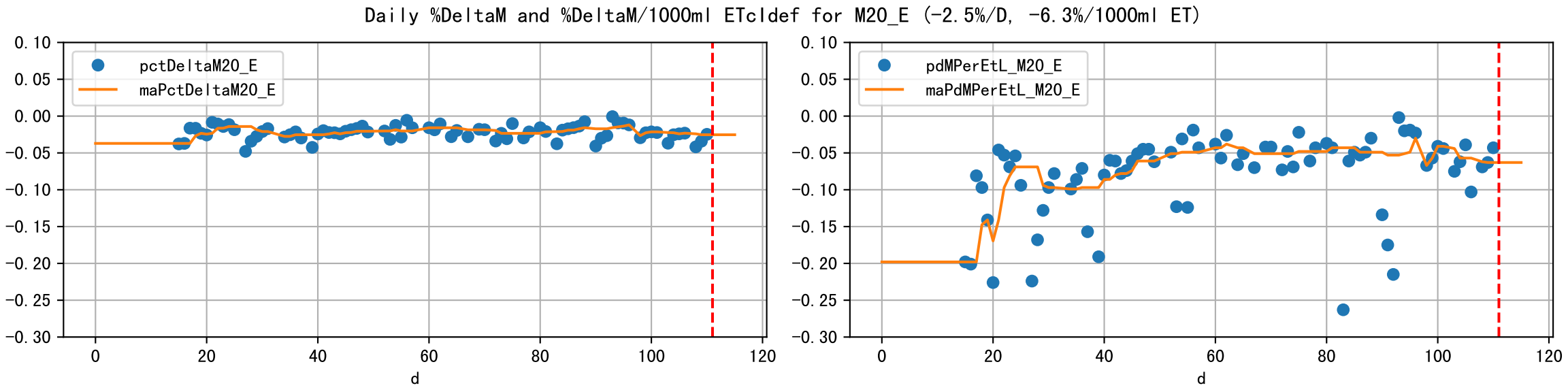

FDF
planFDF
85 nan
86 nan
87 nan
88 nan
89 未知程序
90 nan
91 nan
93 nan
94 nan
95 nan
96 nan
97 未知程序
99 nan
100 nan
101 nan
102 未知程序
104 nan
105 nan
106 nan
107 未知程序

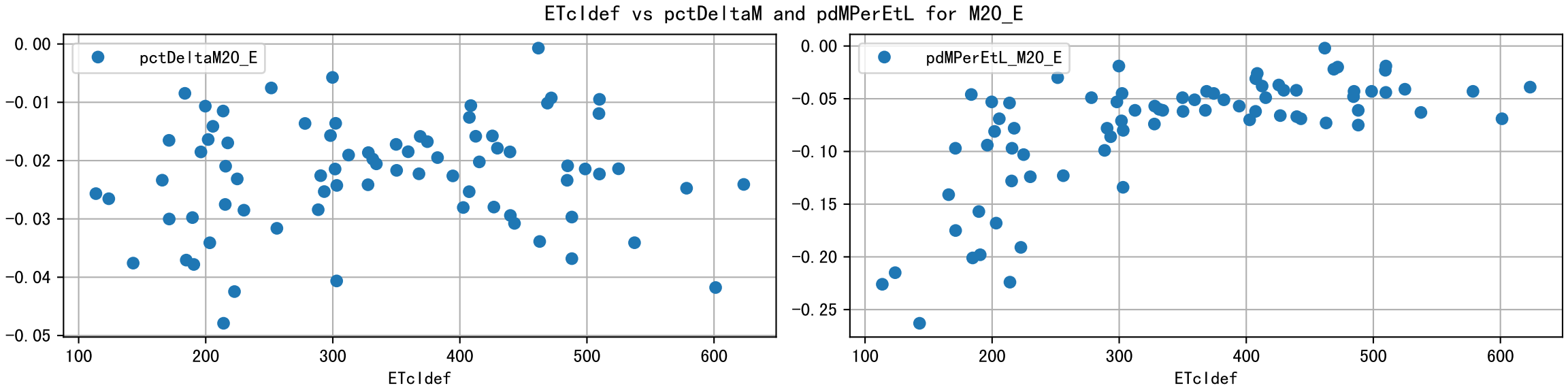

estEC
planEC
85 nan
86 nan
87 nan
88 nan
89 未知程序
90 nan
91 nan
93 nan
94 nan
95 nan
96 nan
97 未知程序
99 nan
100 nan
101 nan
102 未知程序
104 nan
105 nan
106 nan
107 未知程序

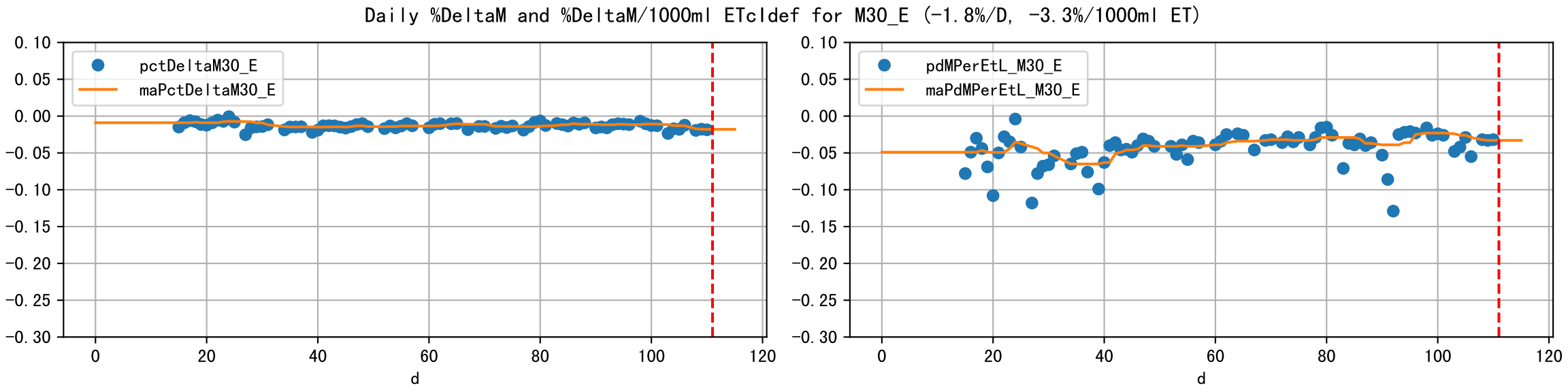

Plot minDeltaM, minDeltaMs, minDeltaMt
minDeltaM20_E
minDeltaM30_E
minDeltaM40_E
minDeltaM_E
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
20
40
60
80
100
d
1.0
0.8
0.6
0.4
0.2
0.0
Warning: col [] missing
0.0
0.2
0.4
0.6
0.8
1.0

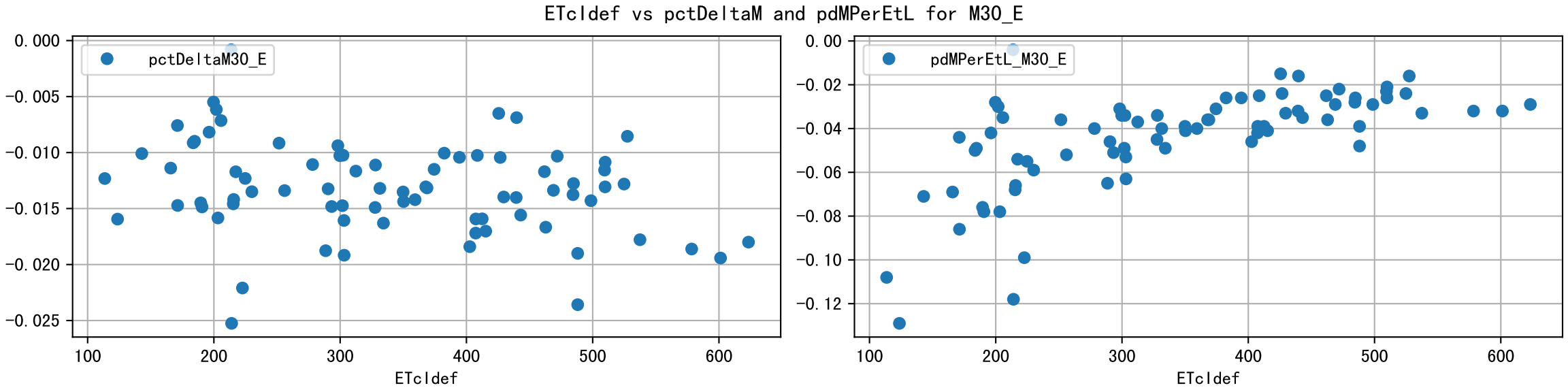

Daily %DeltaM and %DeltaM/1000ml ETcIdef for M10_E (-1.9%/D, -4.1%/1000ml ET)
pctDeltaM10_E
maPctDeltaM10_E
pdMPerEtL_M10_E
maPdMPerEtL_M10_E
0.10
0.05
0.00
−0.05
−0.10
−0.15
−0.20
−0.25
−0.30
0
20
40
60
80
100
120
d

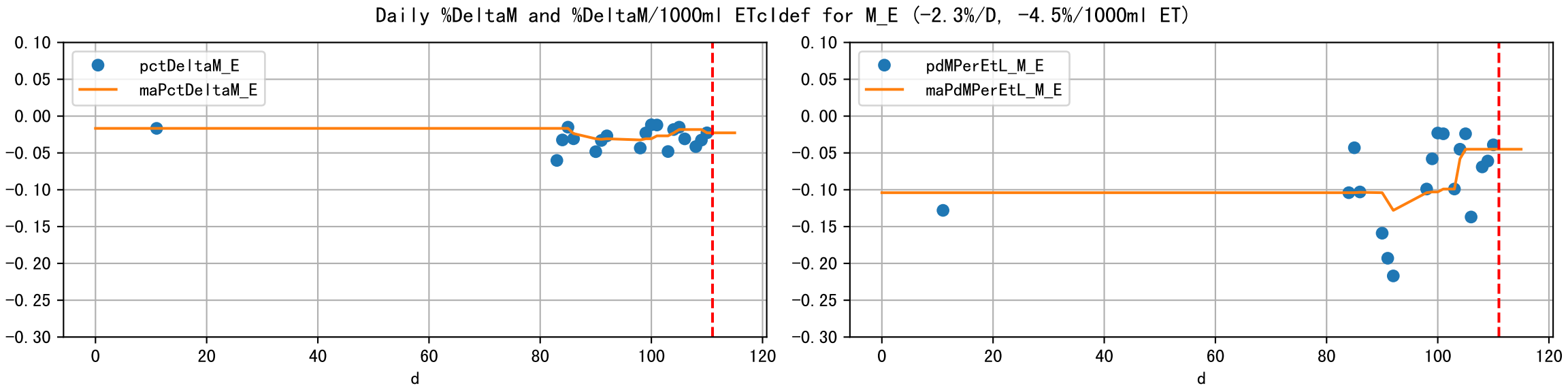

ETcIdef vs pctDeltaM and pdMPerEtL for M10_E
pctDeltaM10_E
-0.01
-0.02
-0.03
-0.04
-0.05
100
200
300
400
500
600
ETcIdef
pdMPerEtL_M10_E
0.00
-0.05
-0.10
-0.15
-0.20
-0.25
100
200
300
400
500
600
ETcIdef

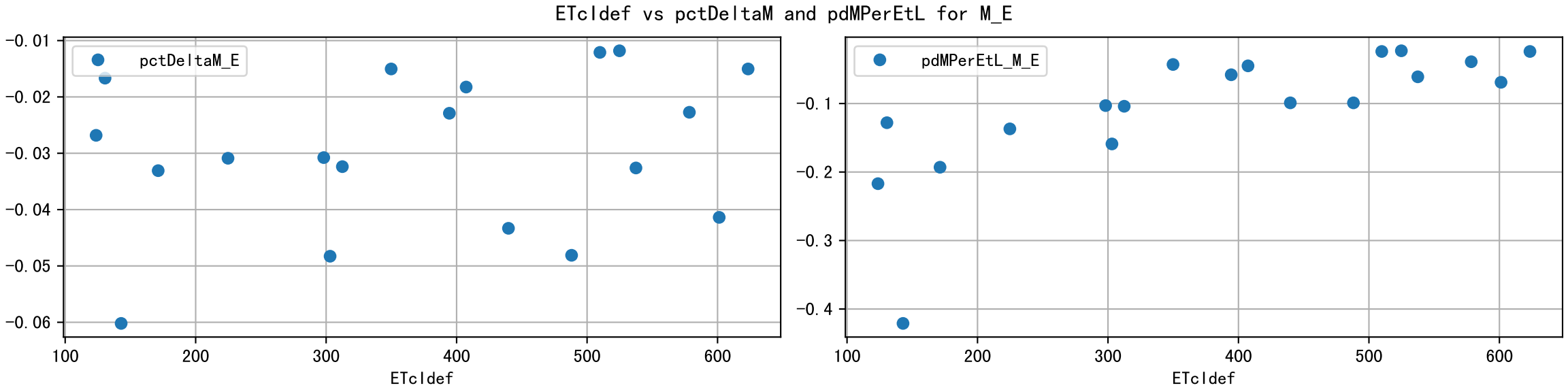

Daily %DeltaM and %DeltaM/1000ml ETcIdef for M20_E (-2.5%/D, -6.3%/1000ml ET)
pctDeltaM20_E
maPctDeltaM20_E
pdMPerEtL_M20_E
maPdMPerEtL_M20_E
0.10
0.05
0.00
−0.05
−0.10
−0.15
−0.20
−0.25
−0.30
0
20
40
60
80
100
120
d

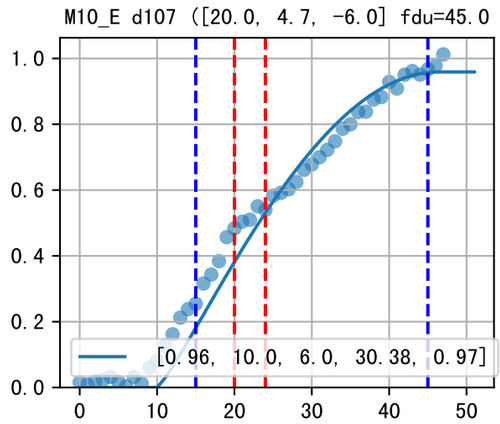

ETcIdef vs pctDeltaM and pdMPerEtL for M20_E
pctDeltaM20_E
0.00
-0.01
-0.02
-0.03
-0.04
-0.05
100
200
300
400
500
600
ETcIdef
pdMPerEtL_M20_E
0.00
-0.05
-0.10
-0.15
-0.20
-0.25
100
200
300
400
500
600
ETcIdef

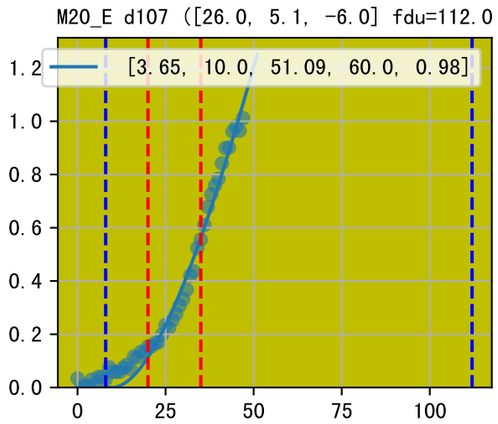

Daily %DeltaM and %DeltaM/1000ml ETcIdef for M30_E (-1.8%/D, -3.3%/1000ml ET)
pctDeltaM30_E
maPctDeltaM30_E
pdMPerEtL_M30_E
maPdMPerEtL_M30_E
0.10
0.05
0.00
−0.05
−0.10
−0.15
−0.20
−0.25
−0.30
0
20
40
60
80
100
120
d

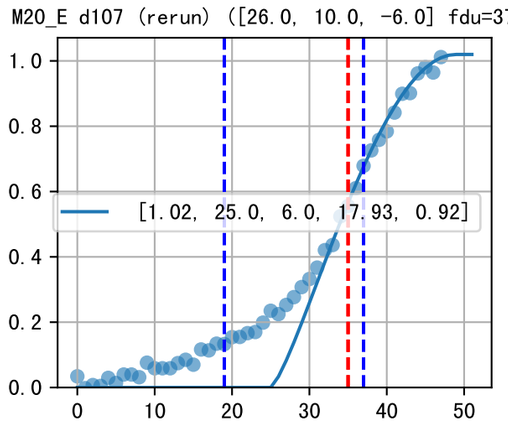

ETcIdef vs pctDeltaM and pdMPerEtL for M30_E
pctDeltaM30_E
0.000
-0.005
-0.010
-0.015
-0.020
-0.025
100
200
300
400
500
600
ETcIdef
pdMPerEtL_M30_E
0.00
-0.02
-0.04
-0.06
-0.08
-0.10
-0.12
100
200
300
400
500
600
ETcIdef

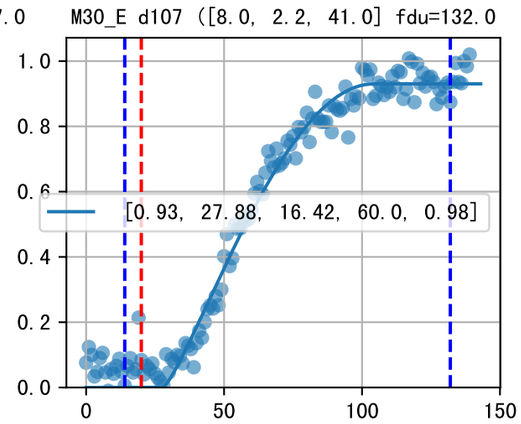

Daily %DeltaM and %DeltaM/1000ml ETcIdef for M_E (-2.3%/D, -4.5%/1000ml ET)
pctDeltaM_E
maPctDeltaM_E
pdMPerEtL_M_E
maPdMPerEtL_M_E
0.10
0.05
0.00
-0.05
-0.10
-0.15
-0.20
-0.25
-0.30
0
20
40
60
80
100
120
d

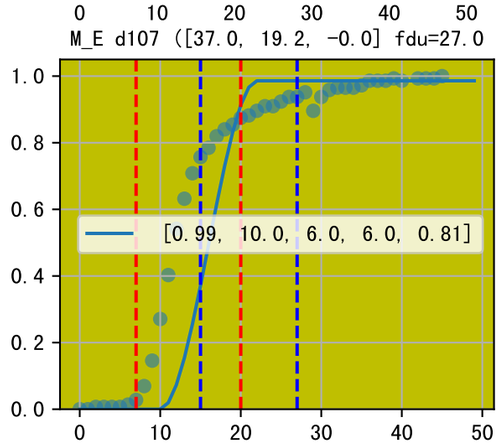

ETcIdef vs pctDeltaM and pdMPerEtL for M_E
pctDeltaM_E
pdMPerEtL_M_E
ETcIdef
ETcIdef
-0.01
-0.02
-0.03
-0.04
-0.05
-0.06
-0.1
-0.2
-0.3
-0.4
100
200
300
400
500
600

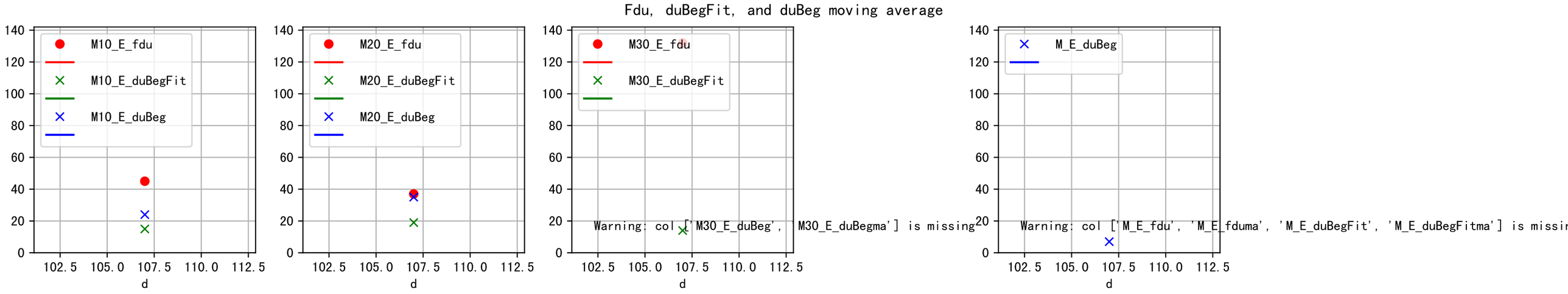

M10_E d107 ([20.0, 4.7, -6.0] fdu=45.0
[0.96, 10.0, 6.0, 30.38, 0.97]

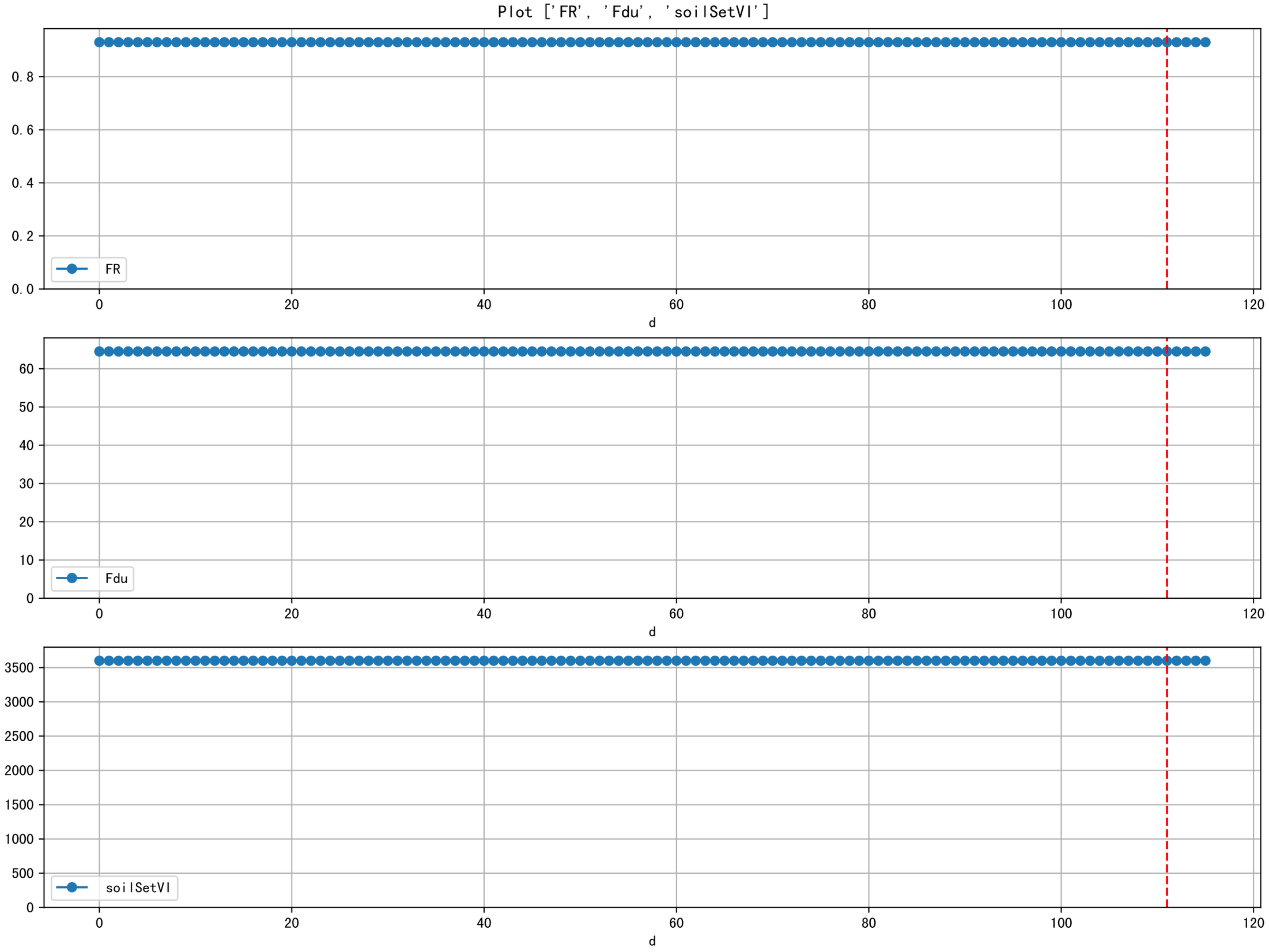

M20_E d107 ([26.0, 5.1, -6.0] fdu=112.0
[3.65, 10.0, 51.09, 60.0, 0.98]

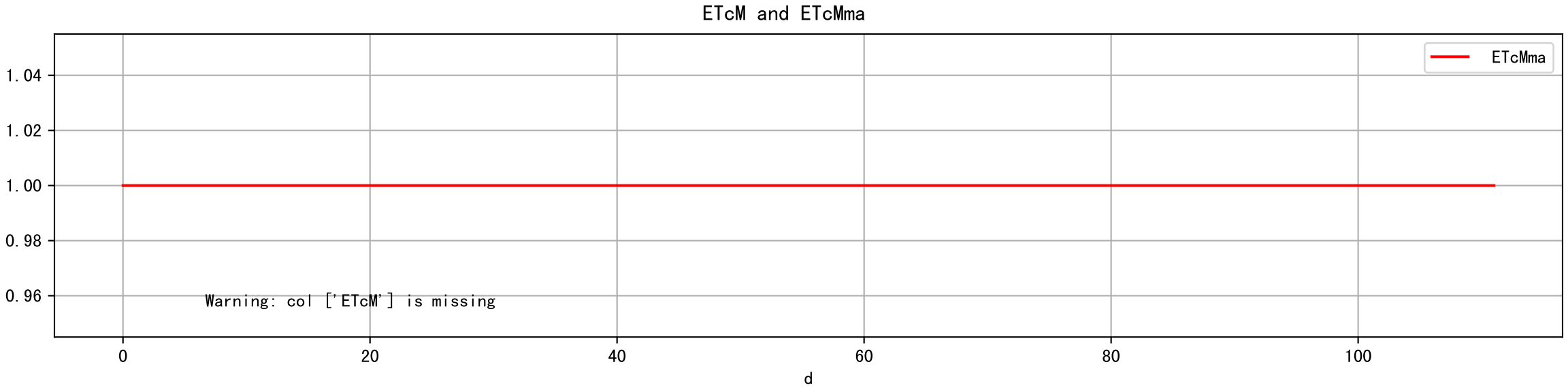

M20_E d107 (rerun) ([26.0, 10.0, -6.0] fdu=37.0
[1.02, 25.0, 6.0, 17.93, 0.92]


M30_E d107 ([8.0, 2.2, 41.0] fdu=132.0
[0.93, 27.88, 16.42, 60.0, 0.98]

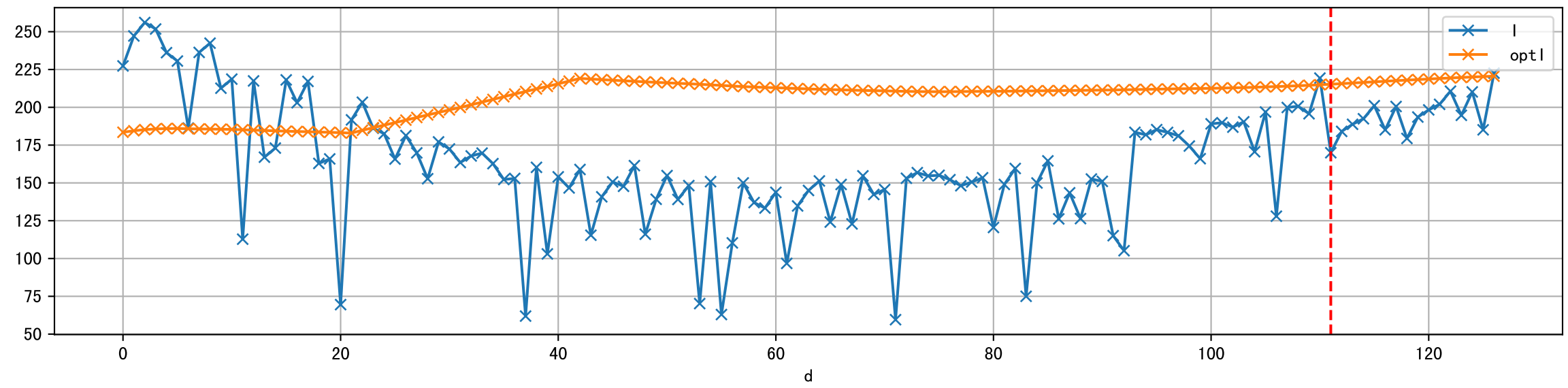

M_E d107 ([37.0, 19.2, -0.0] fdu=27.0
[0.99, 10.0, 6.0, 6.0, 0.81]

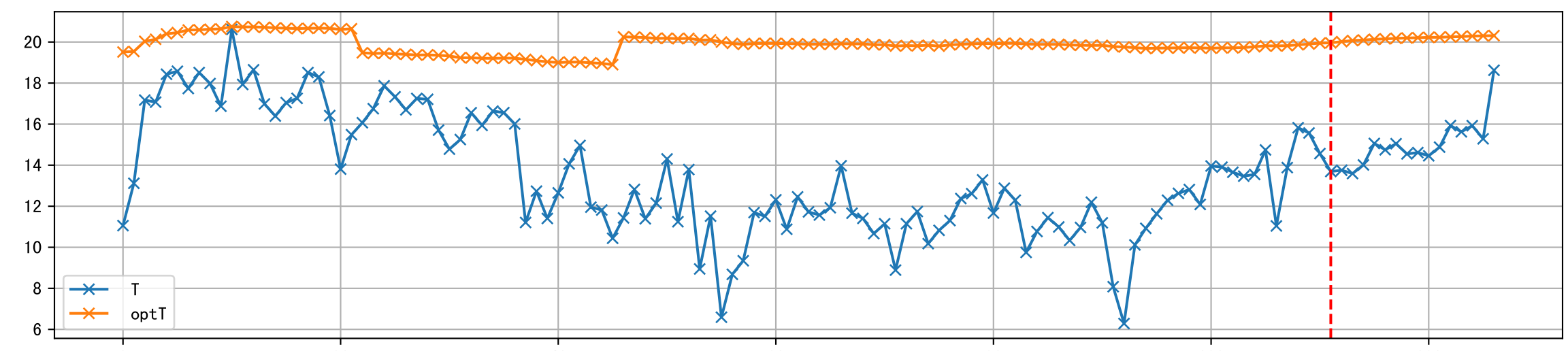

Fdu, duBegFit, and duBeg moving average
M10_E_fdu
M10_E_duBegFit
M10_E_duBeg
M20_E_fdu
M20_E_duBegFit
M20_E_duBeg
M30_E_fdu
M30_E_duBegFit
M_E_duBeg
Warning: col ['M30_E_duBeg', 'M30_E_duBegma'] is missing
Warning: col ['M_E_fdu', 'M_E_fduma', 'M_E_duBegFit', 'M_E_duBegFitma'] is missin
d

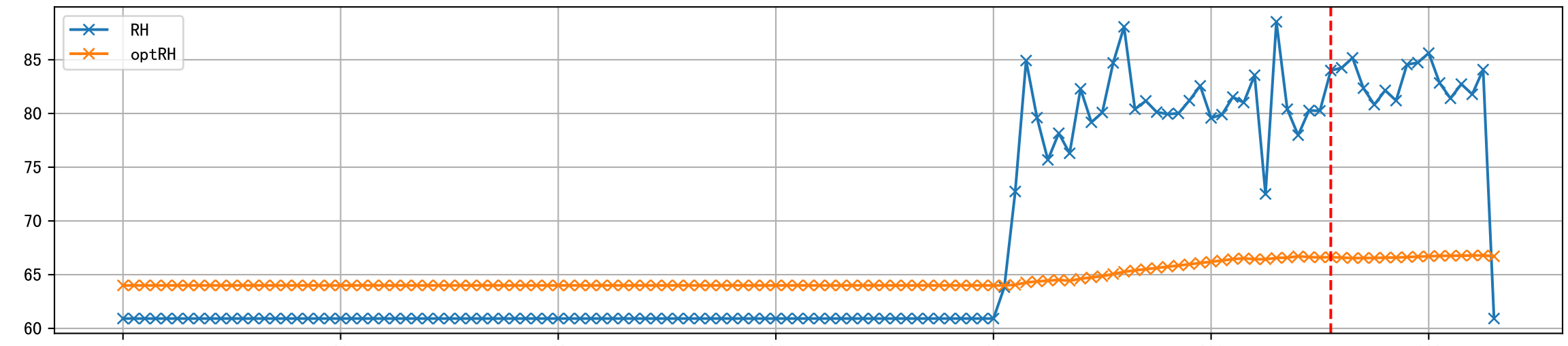

Plot ['FR', 'Fdu', 'soilSetVI']
FR
Fdu
soilSetVI
d
0
20
40
60
80
100
120

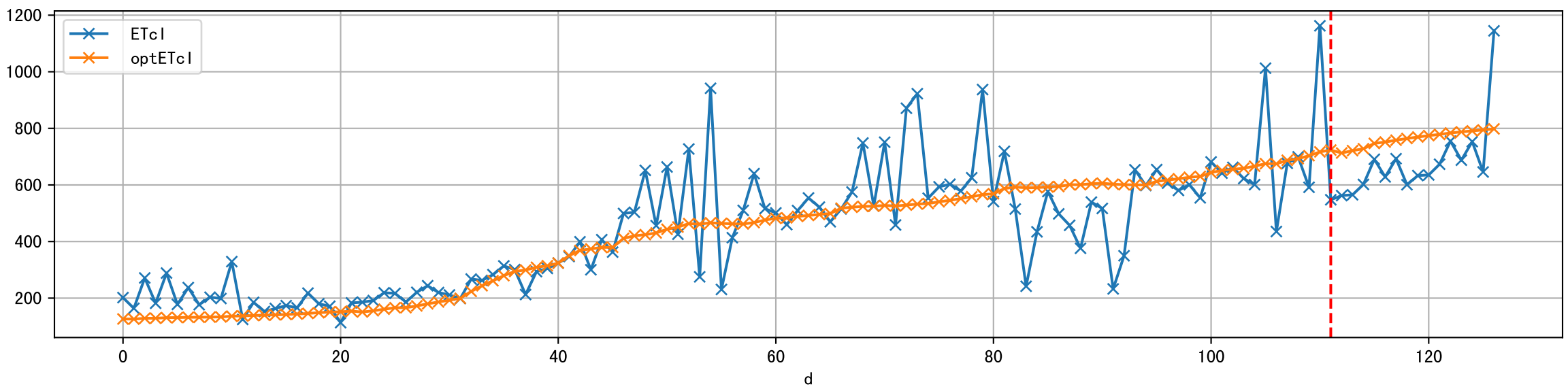

ETcM and ETcMma
ETcMma
1.04
1.02
1.00
0.98
0.96
Warning: col ['ETcM'] is missing
0
20
40
60
80
100
d

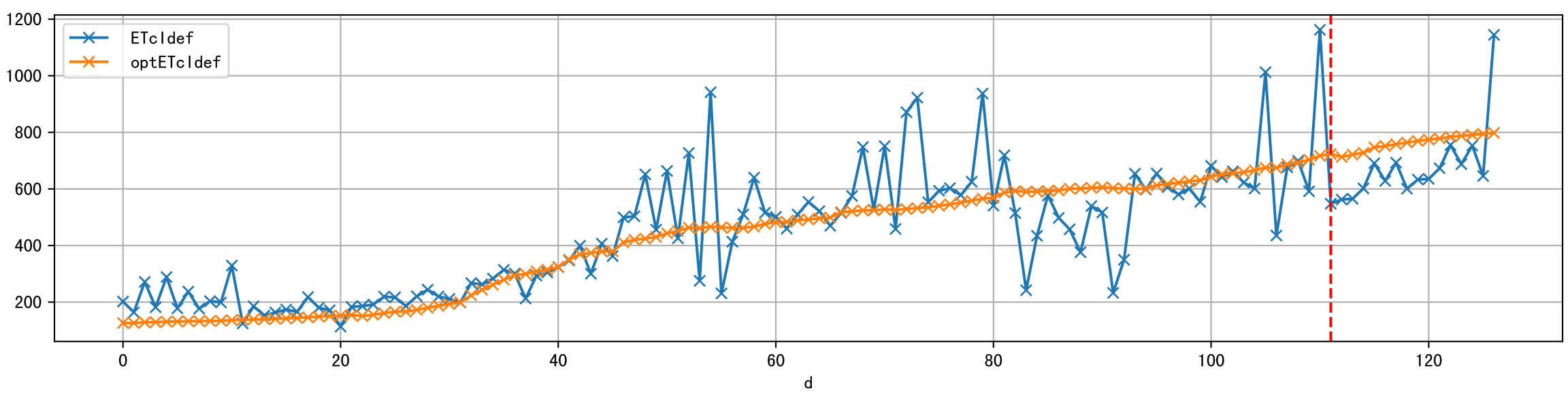
I'], ['T', 'optT'], ['RH', 'optRH'], ['ETcI', 'optETcI'], ['ETcIdef', 'optETcIdef'], ['ETo', 'optETo'], 'LAI', ['optEtRate', 'optEtRateDef', '

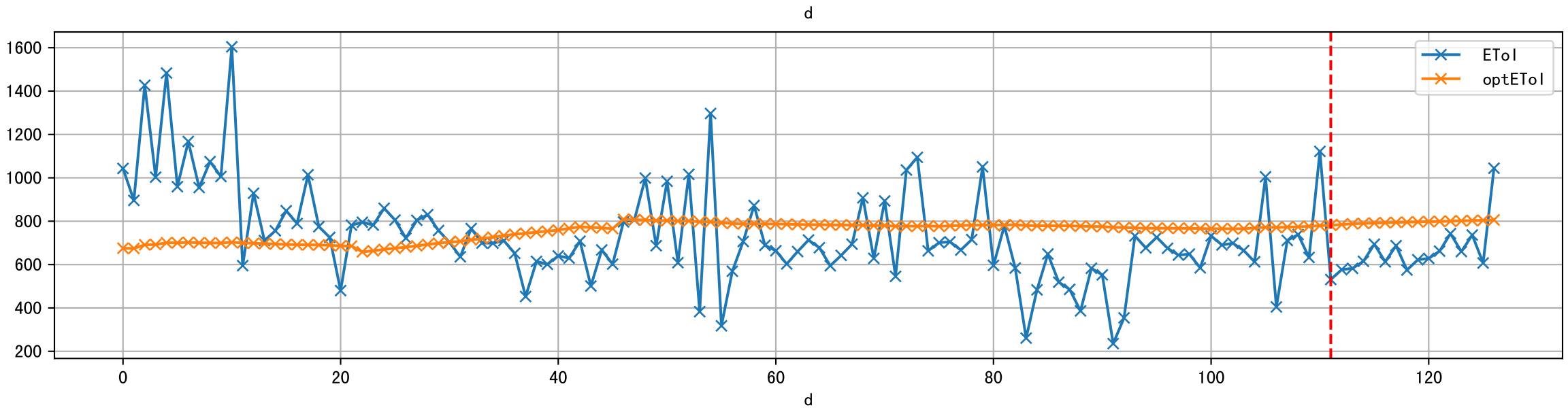


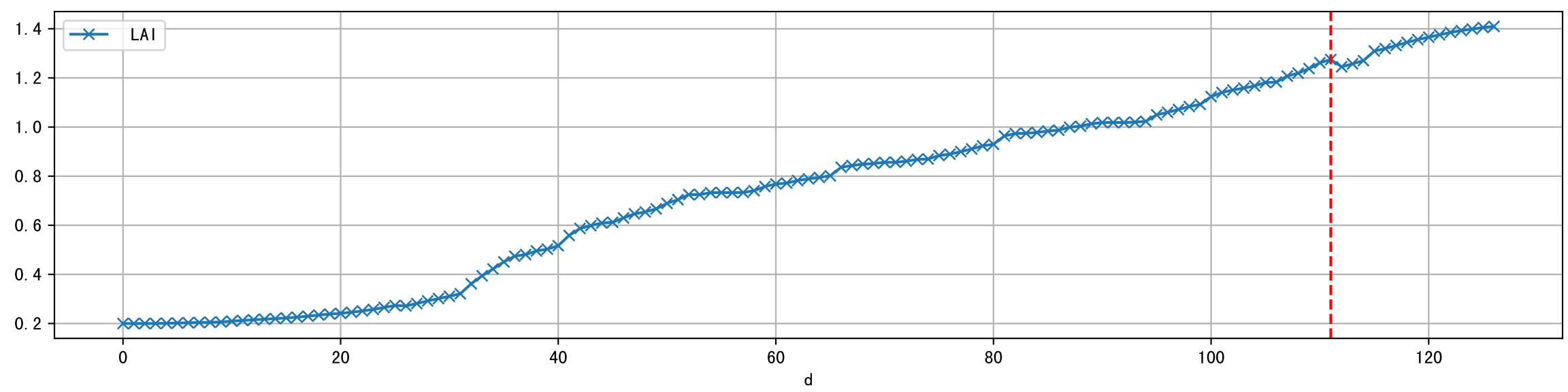


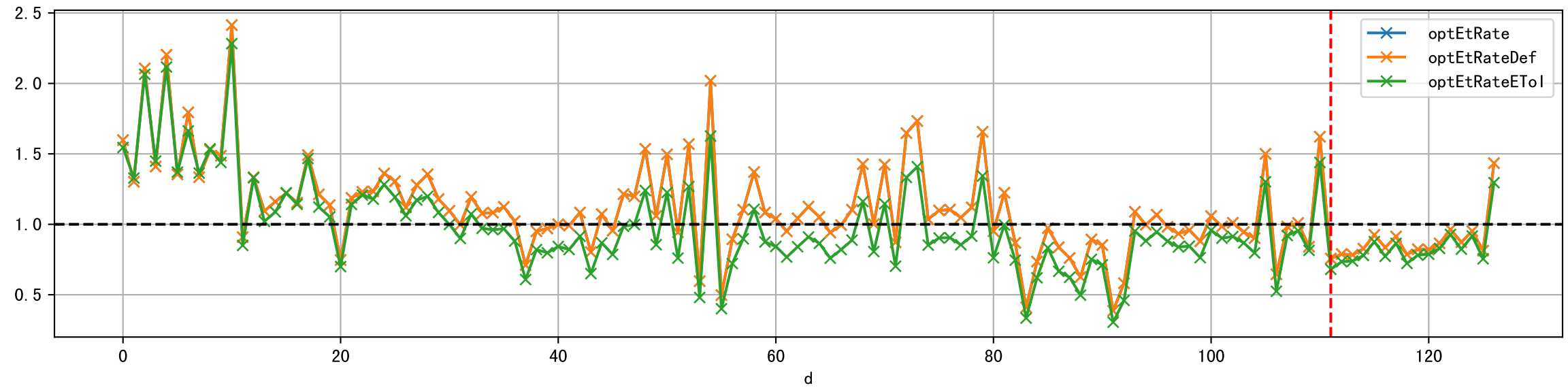


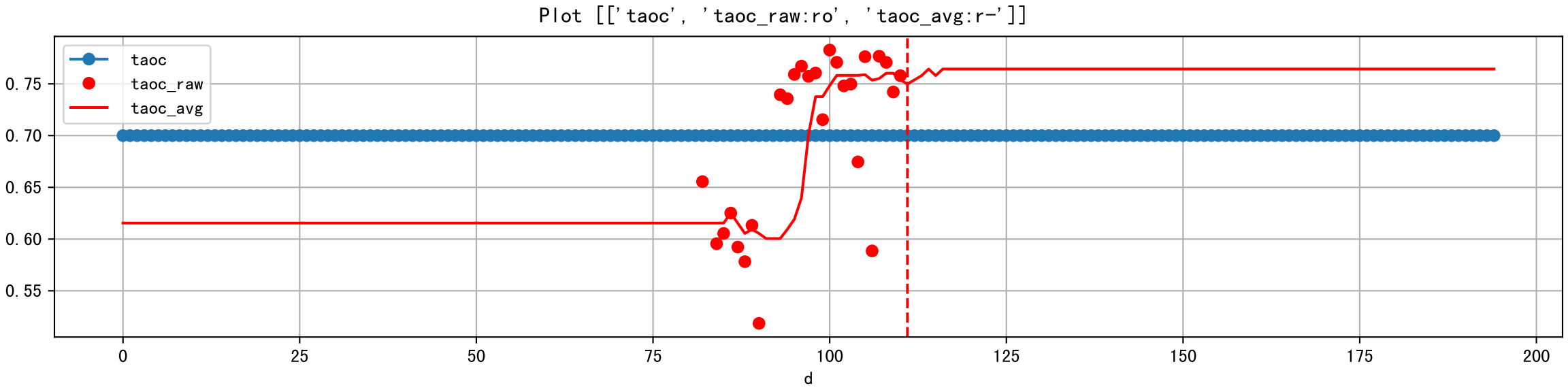




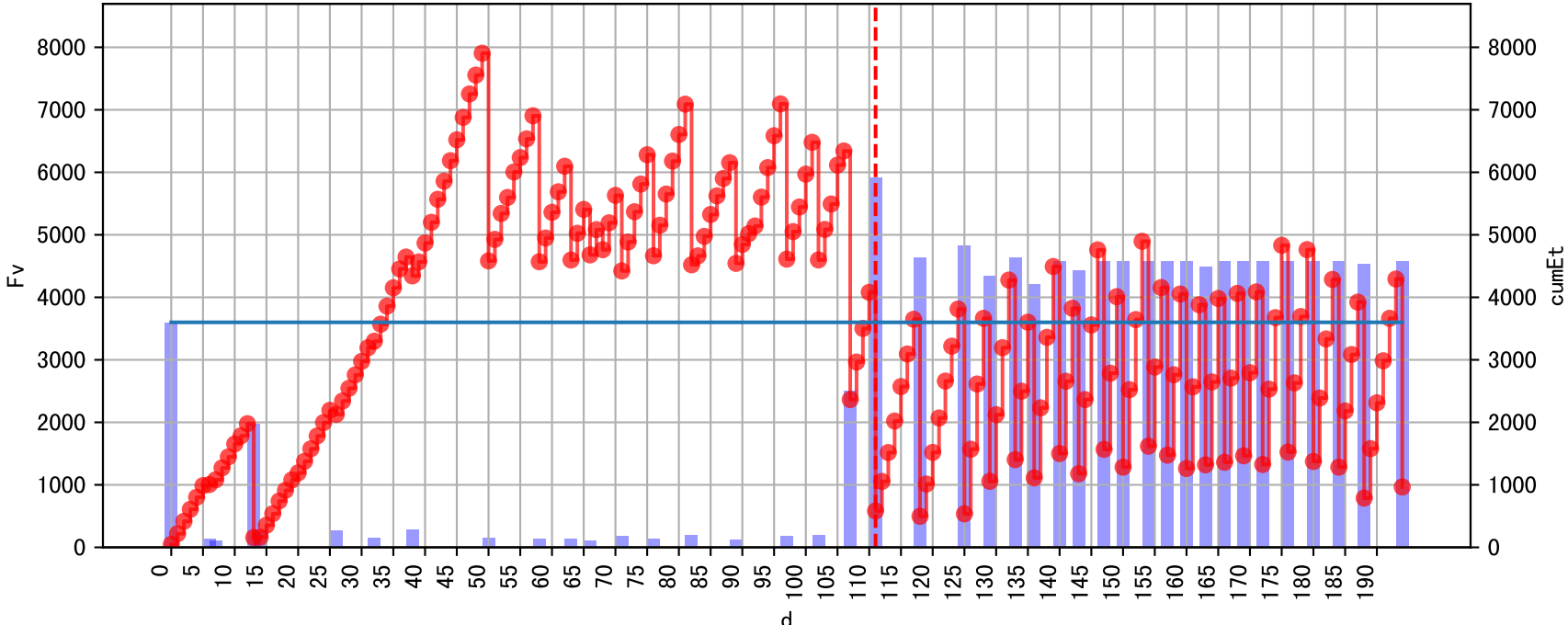


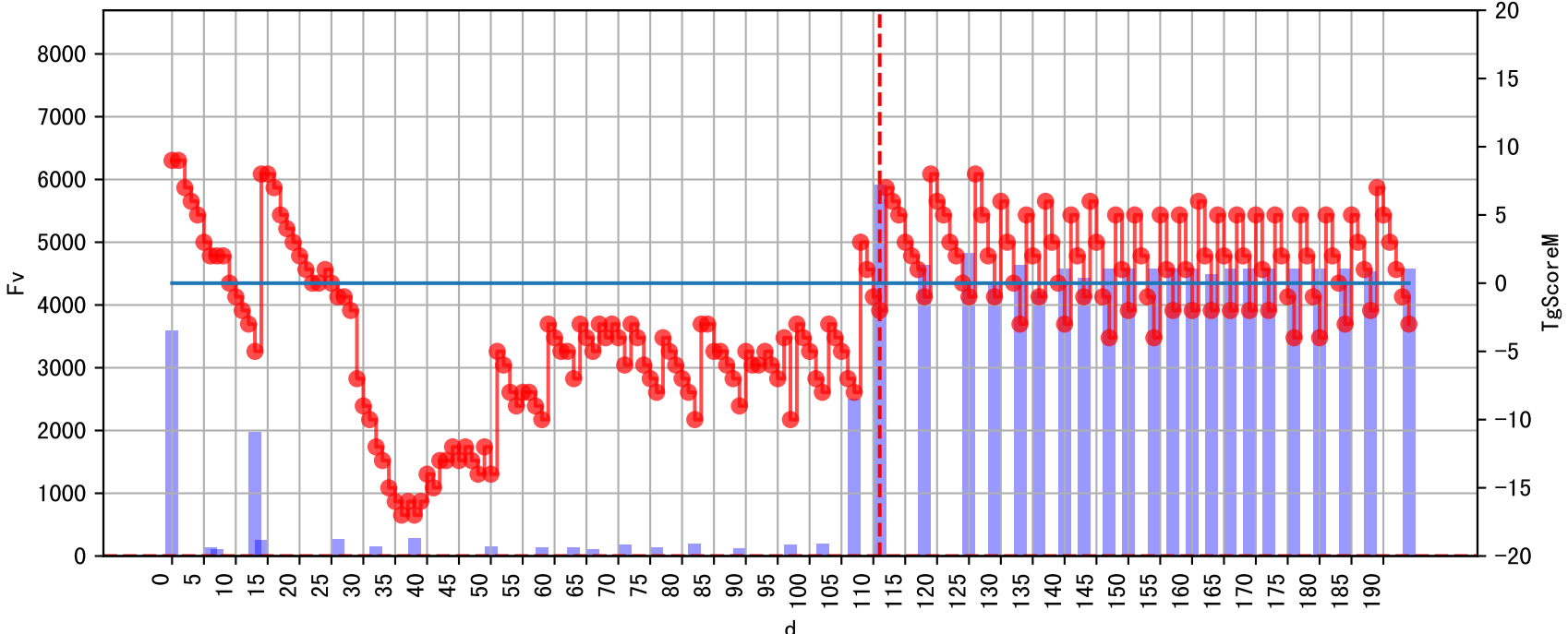




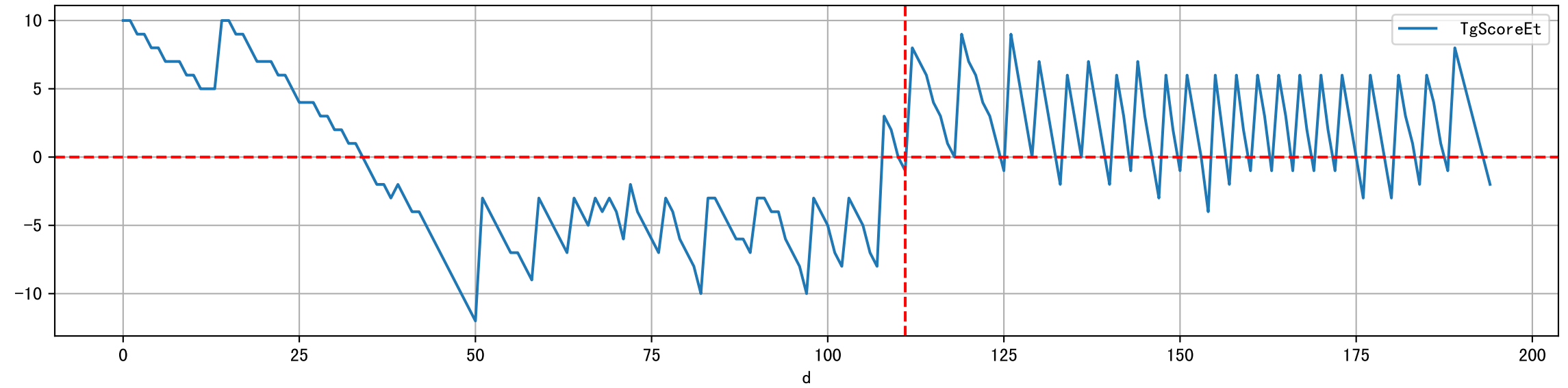

Plot [['taoc', 'taoc_raw:ro', 'taoc_avg:r-']]
taoc
taoc_raw
taoc_avg
0.75
0.70
0.65
0.60
0.55
0
25
50
75
100
125
150
175
200
d

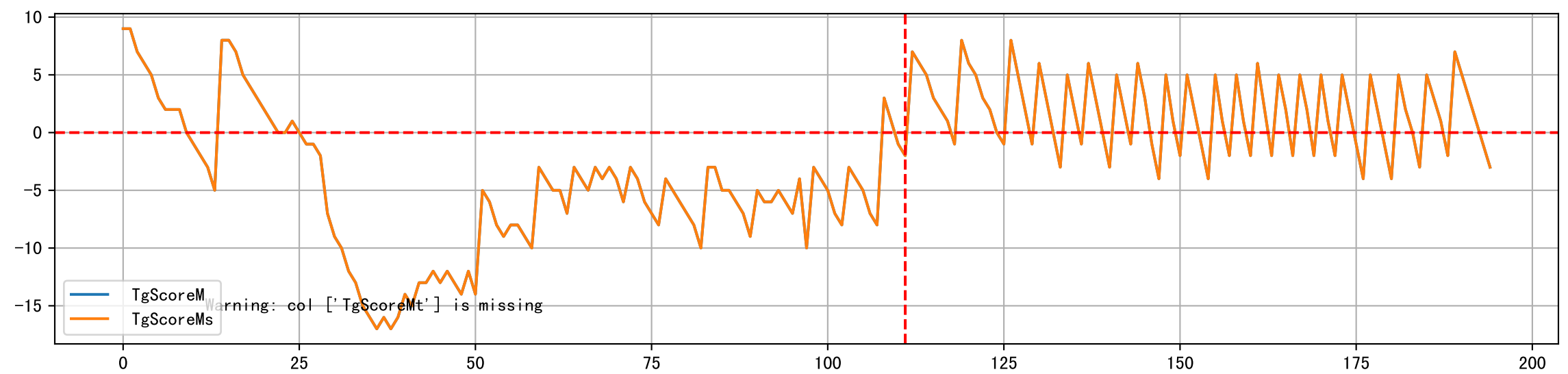
note	fz	fzStockID	expFDF	expEC	preDu	fz
假设未如期灌溉	丰码有品果期肥		nan	nan	0.0	
如期灌溉但量少，灌溉透支5566ml/株，肥料名缺失(假设只灌清水)	丰码有品果期肥	NA	nan	360.0	0.0	20
假设未如期灌溉	丰码有品果期肥		nan	nan	0.0	
假设未如期灌溉	丰码有品果期肥		nan	nan	0.0	
假设未如期灌溉	丰码有品果期肥		nan	nan	0.0	
假设未如期灌溉	丰码有品果期肥		nan	nan	0.0	
如期灌溉，灌溉透支3115ml/株	丰码有品果期肥	1093.0	83.2	2727.0	0.0	269
假设未如期灌溉	丰码有品果期肥		nan	nan	0.0	
预期灌溉（原定计划），预期灌溉	丰码有品果期肥	1097	75.0	2030.0	1800.0	425
预期灌溉	丰码有品果期肥	1097	388.2	739.0	762.0	392
预期灌溉	丰码有品果期肥	1097	378.5	750.0	797.0	409
预期灌溉	丰码有品果期肥	TBD	480.7	728.0	429.0	394

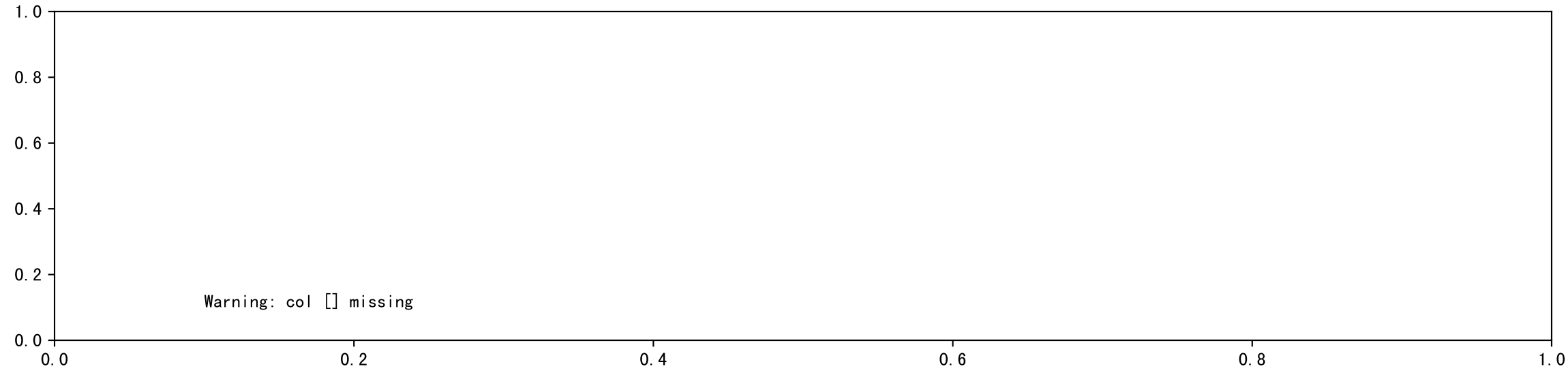

Fv
cumEt
0
1000
2000
3000
4000
5000
6000
7000
8000
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155 160 165 170 175 180 185 190

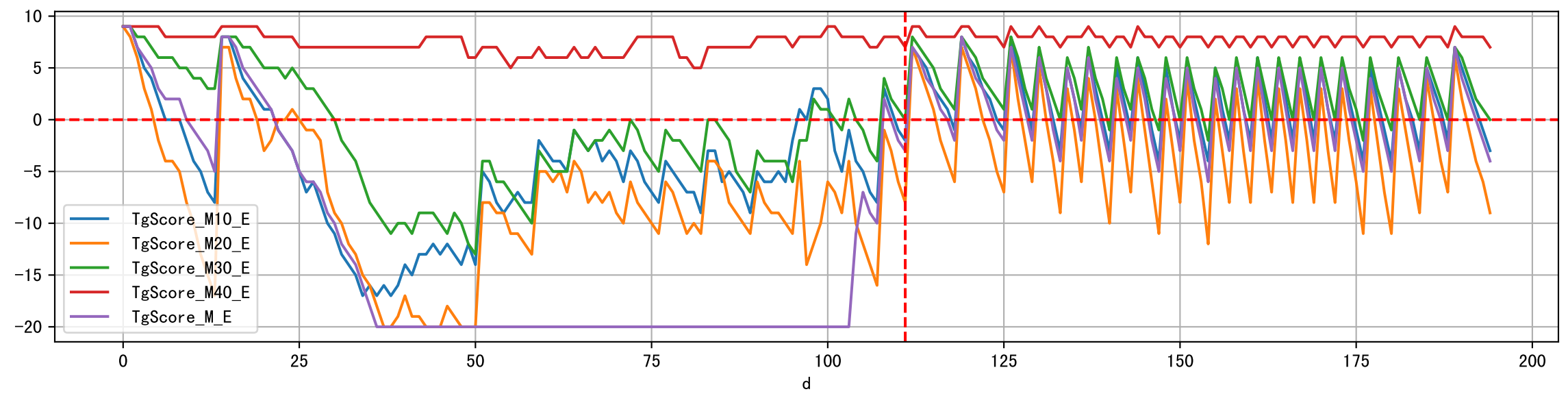

Fv
TgScoreM
8000
7000
6000
5000
4000
3000
2000
1000
0
20
15
10
5
0
−5
−10
−15
−20
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155 160 165 170 175 180 185 190

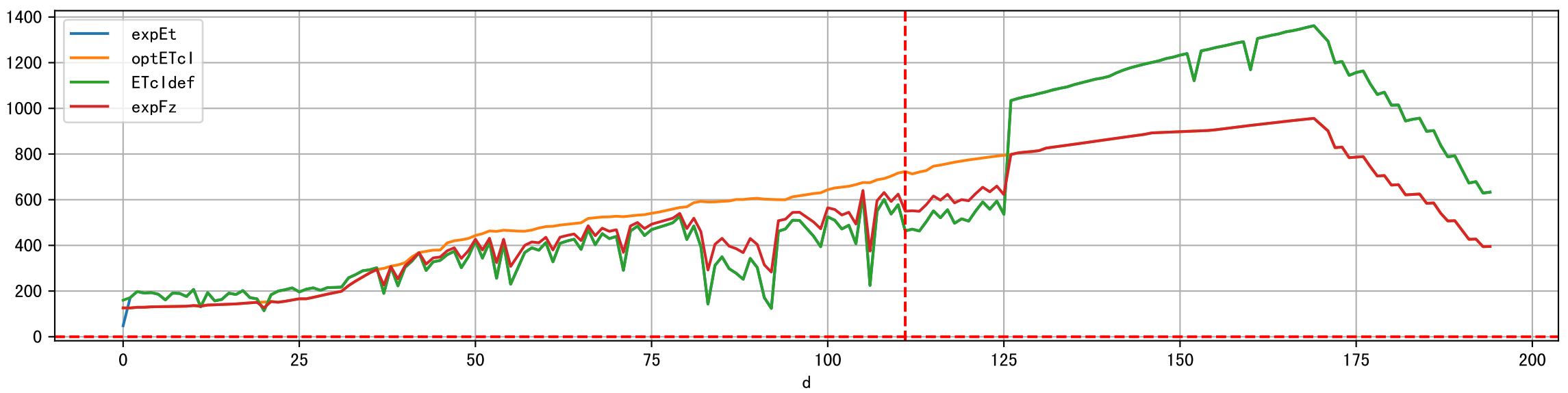
Fg Trigger Score (by Et and sensor)

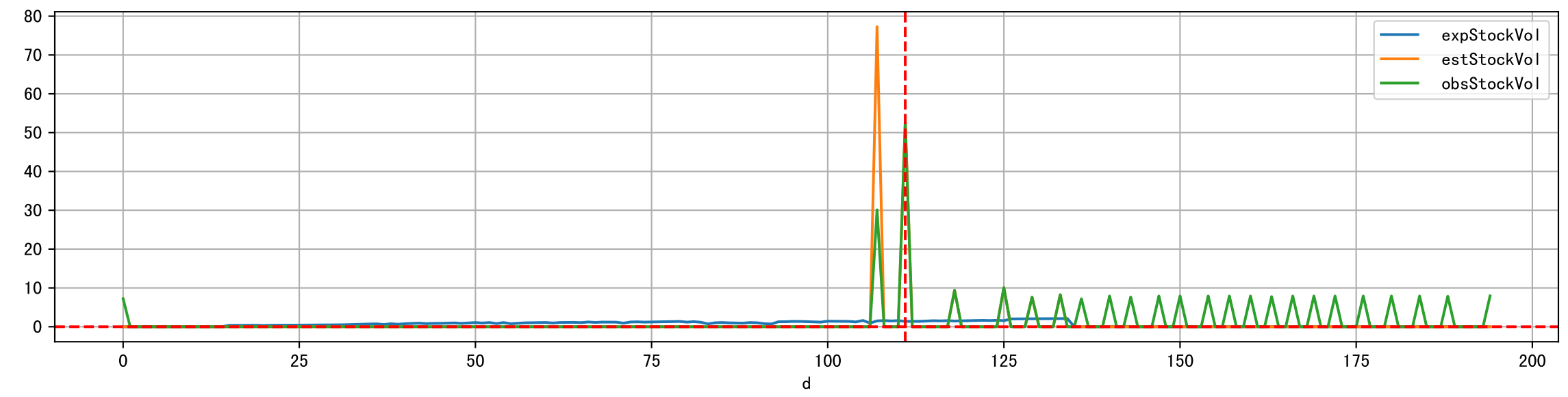


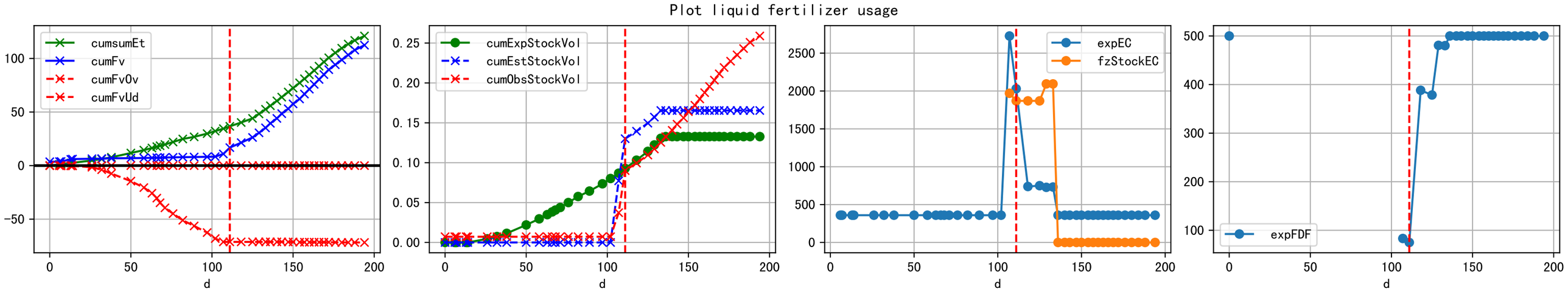


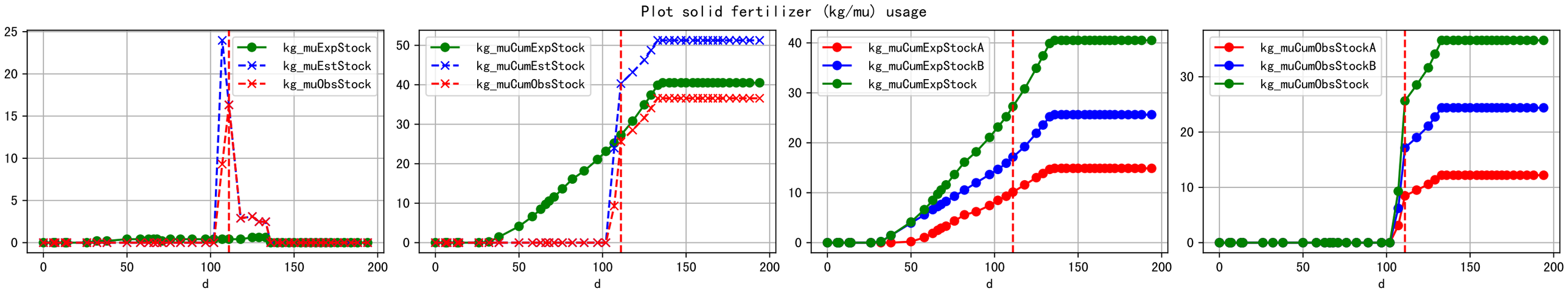


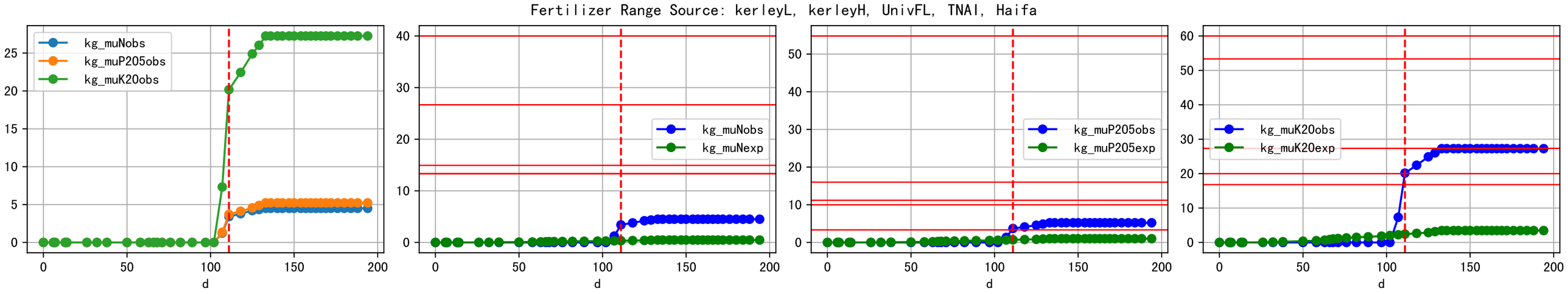







Plot liquid fertilizer usage
cumsumEt
cumFv
cumFv0v
cumFvUd
d
cumExpStockVol
cumEstStockVol
cumObsStockVol
d
expEC
fzStockEC
d
expFDF
d


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