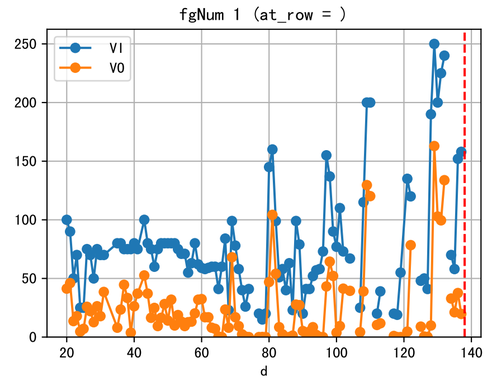
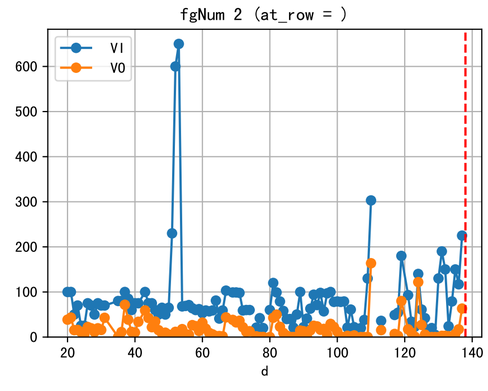
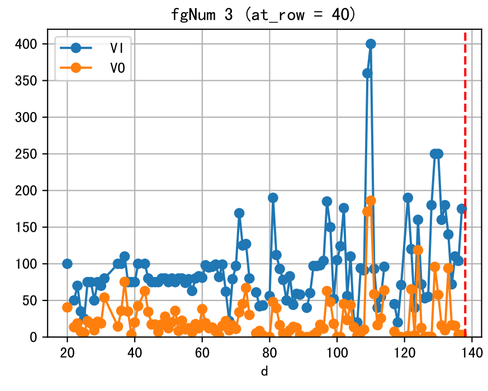
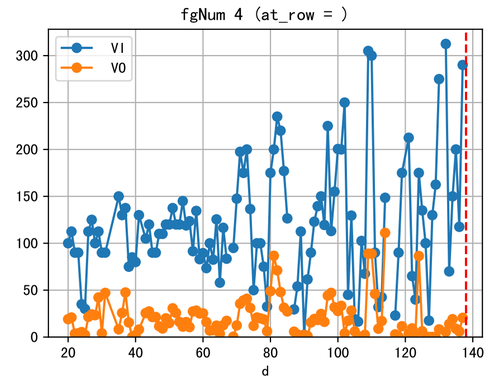
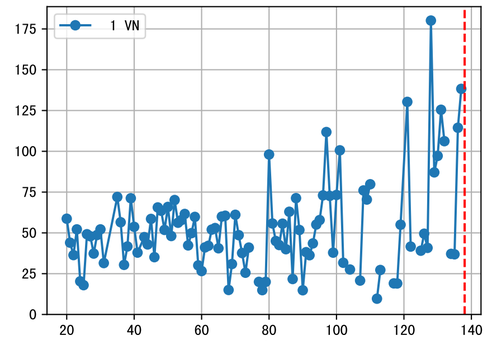
FgArea: ['3']
NJ15 L1
2026-02-21 (Day 138)

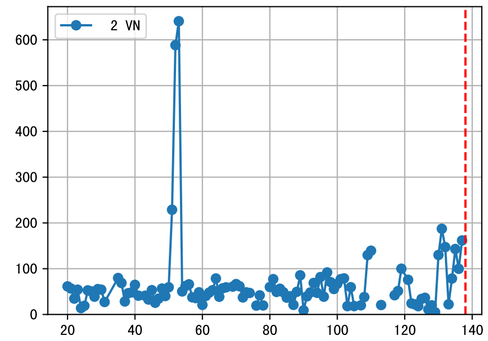

fgNum 1 (at_row =)
VI
VO
d

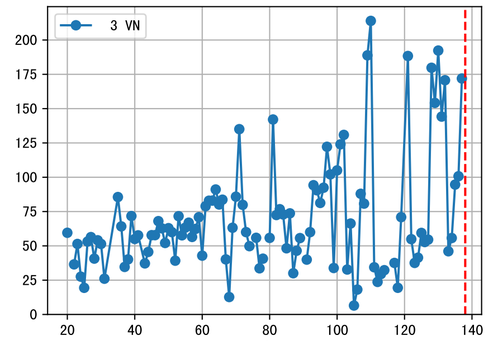

fgNum 2 (at_row =)
VI
VO
d

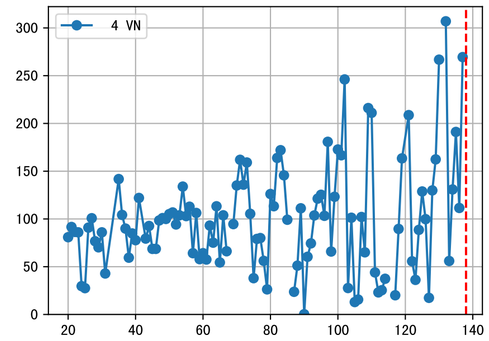

fgNum 3 (at_row = 40)
VI
VO
d

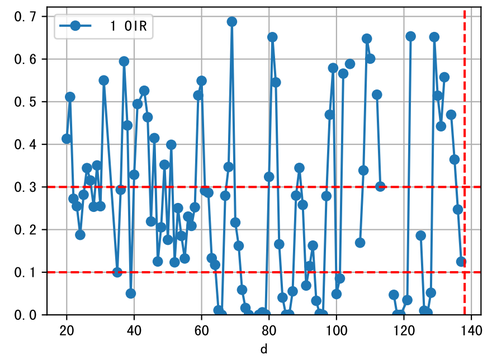

fgNum 4 (at_row =)
VI
VO
d

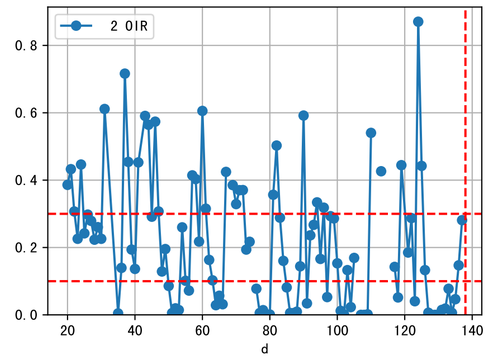

1 VN
d

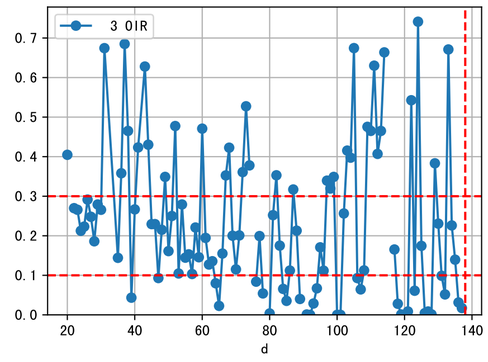

2 VN
d

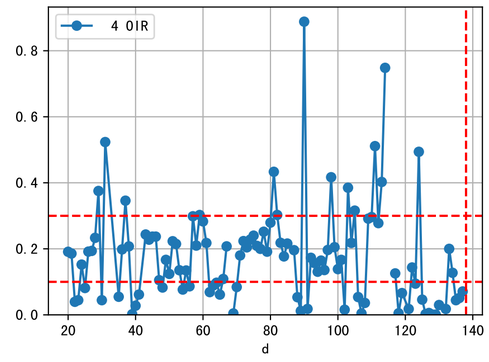

3 VN
d

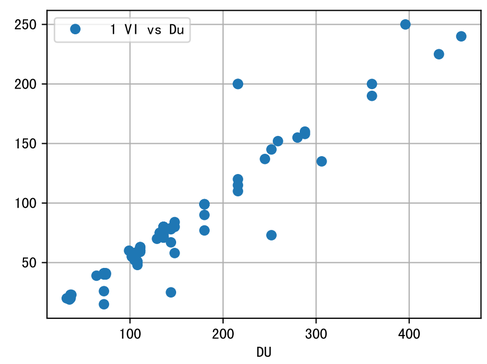

4 VN
d

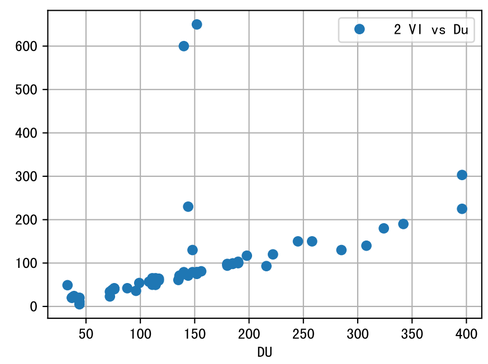

1 OIR
d

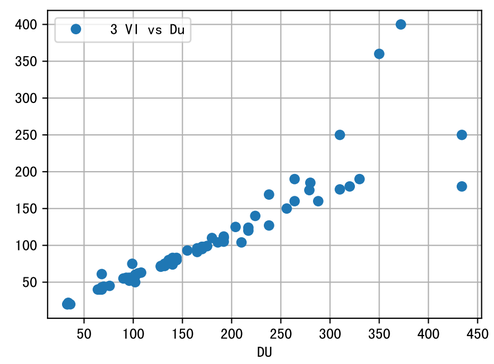

2 OIR
d

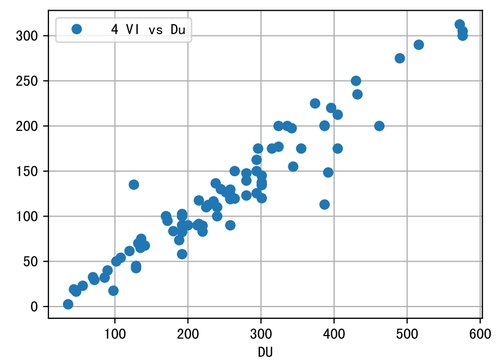

3 OIR
d

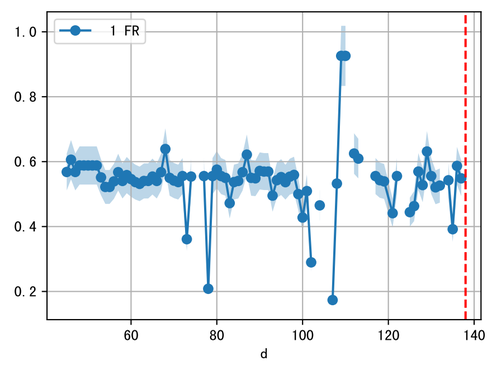

4 OIR
d

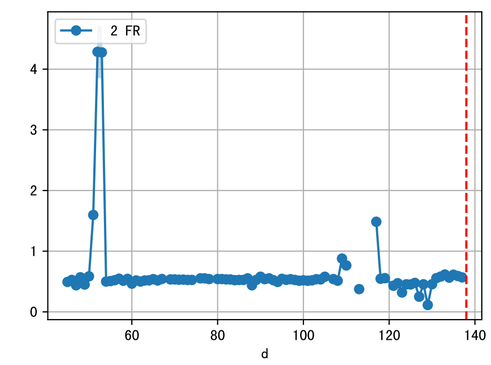

1 VI vs Du
DU

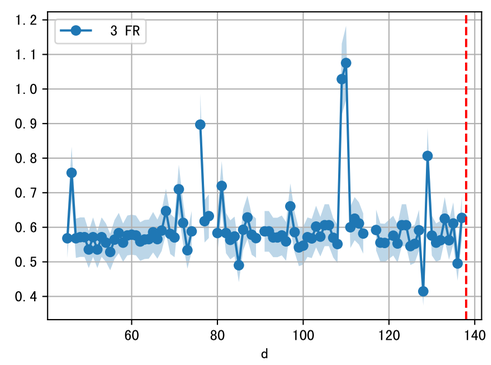

2 VI vs Du
DU

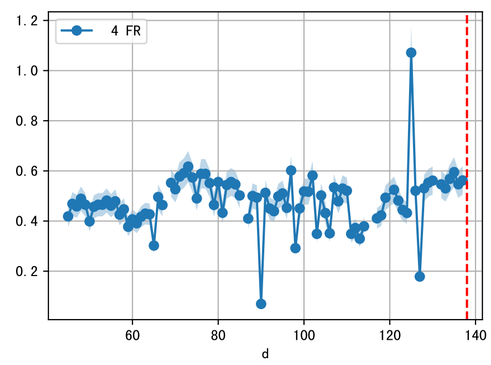

3 VI vs Du
DU

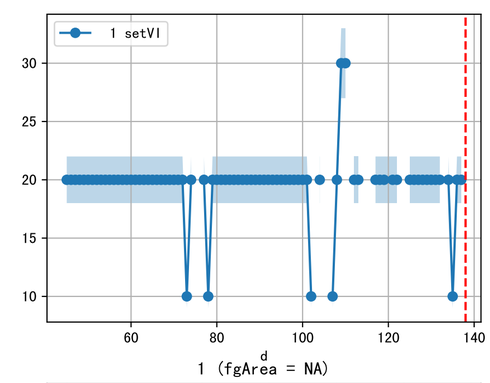

4 VI vs Du
DU

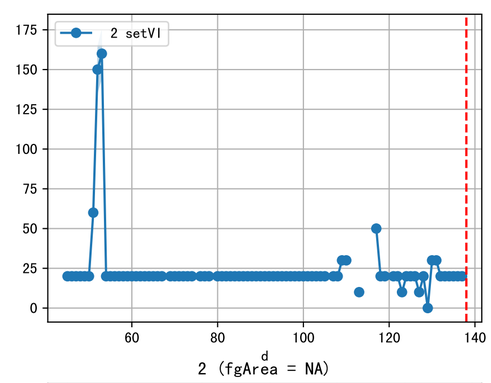

1 FR
d

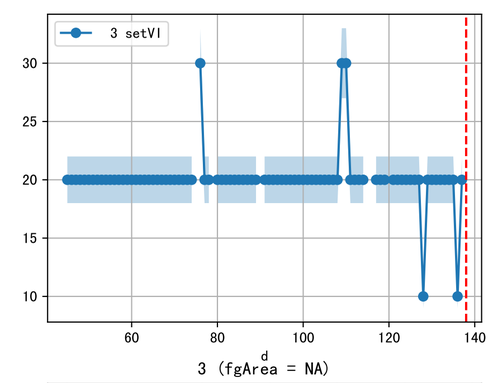

2 FR
d

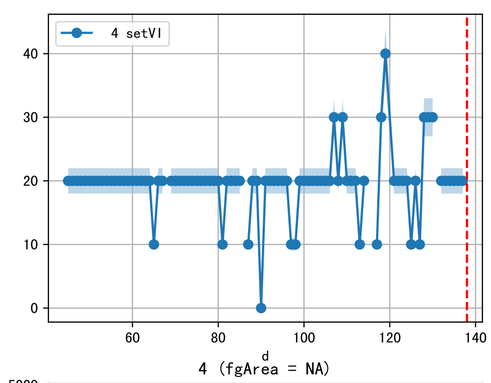

3 FR
d

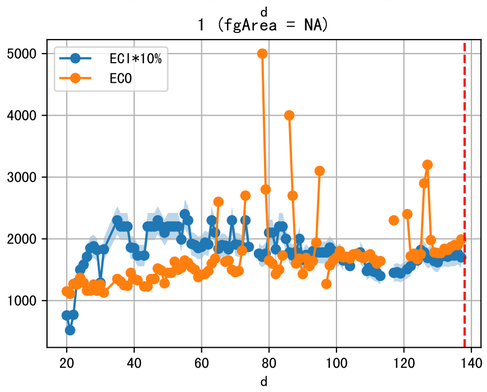

4 FR
d

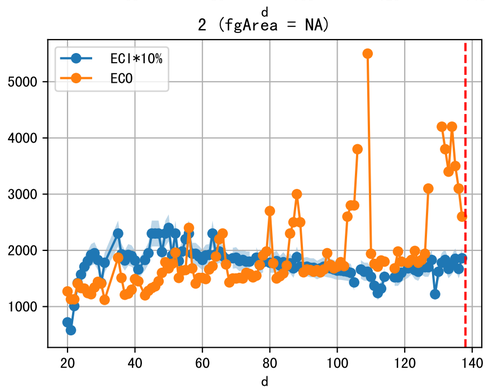

1 setVI
d

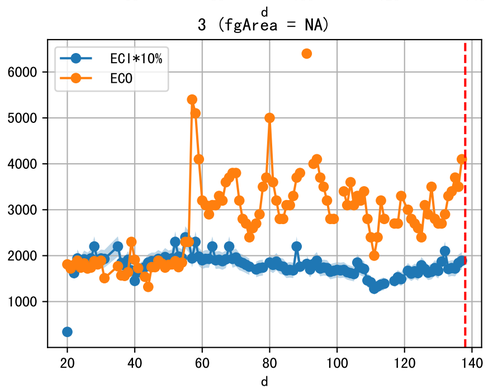

2 setVI
d

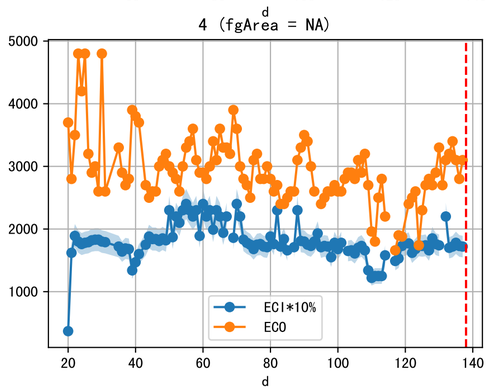

3 setVI
d

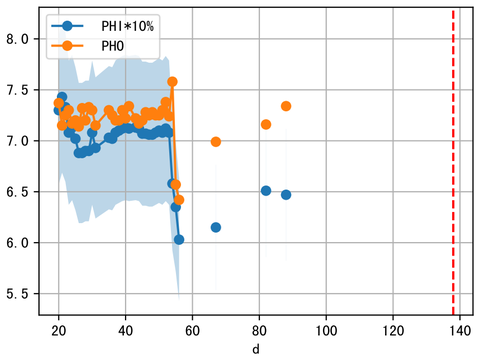

4 setVI
d

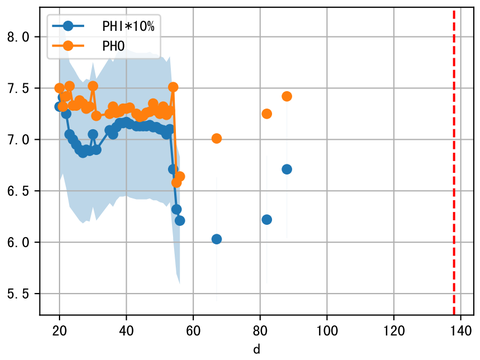

1 (fgArea = NA)
ECI*10%
ECO
d

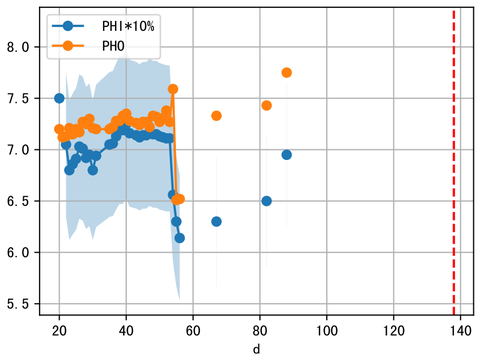

2 (fgArea = NA)
ECI*10%
ECO
d

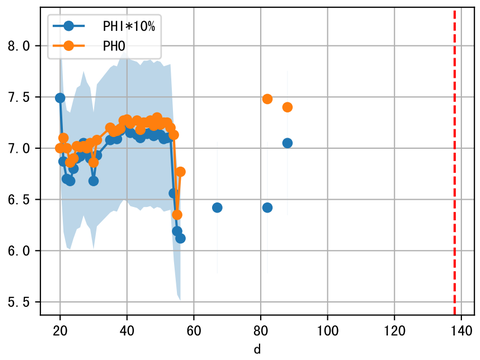

3 (fgArea = NA)
ECI*10%
ECO
d

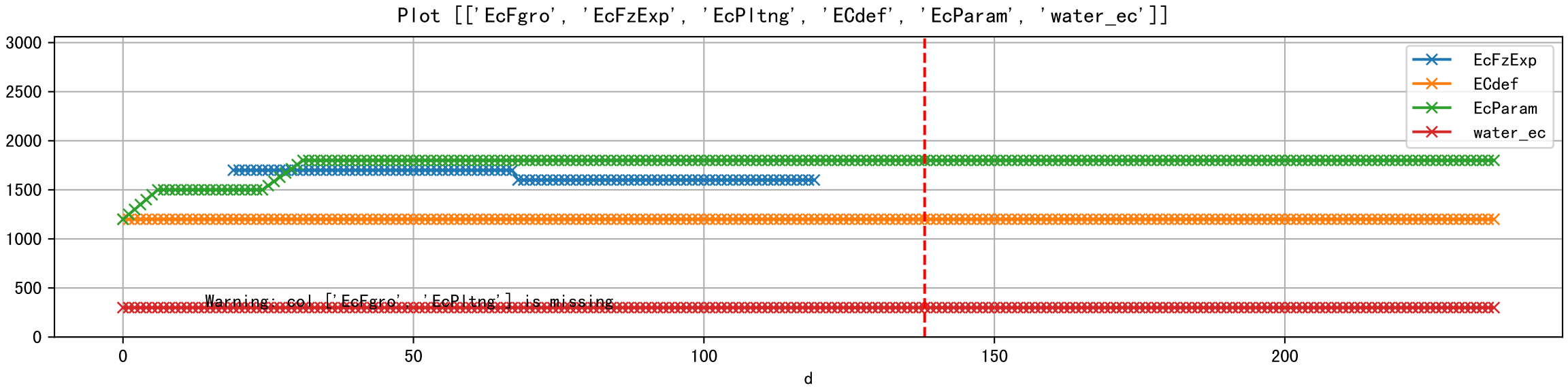

4 (fgArea = NA)
ECI*10%
ECO
d

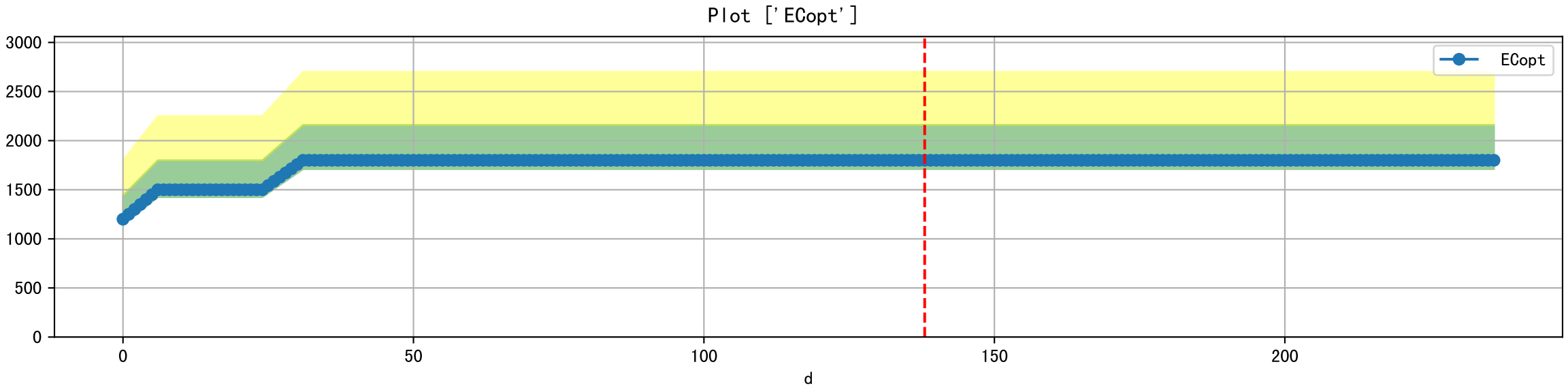

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
120
140
d

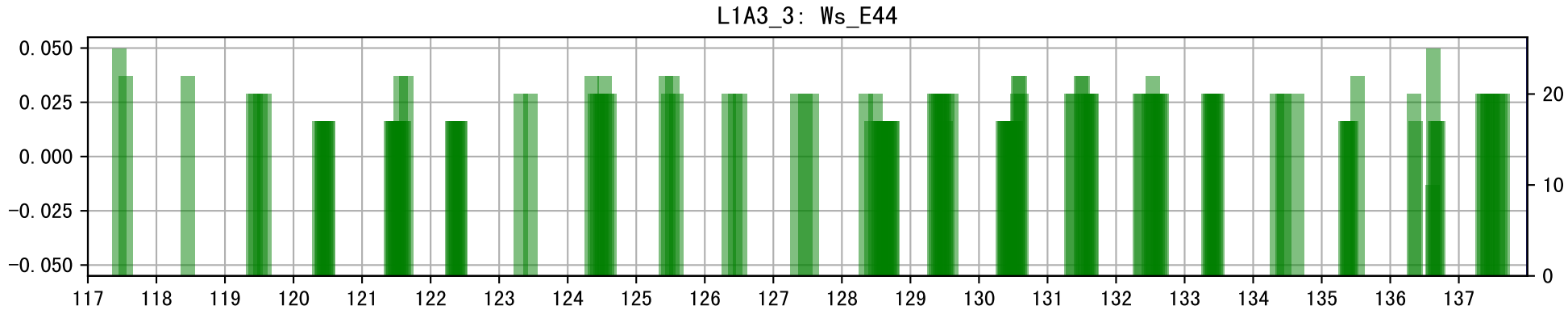

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
120
140
d

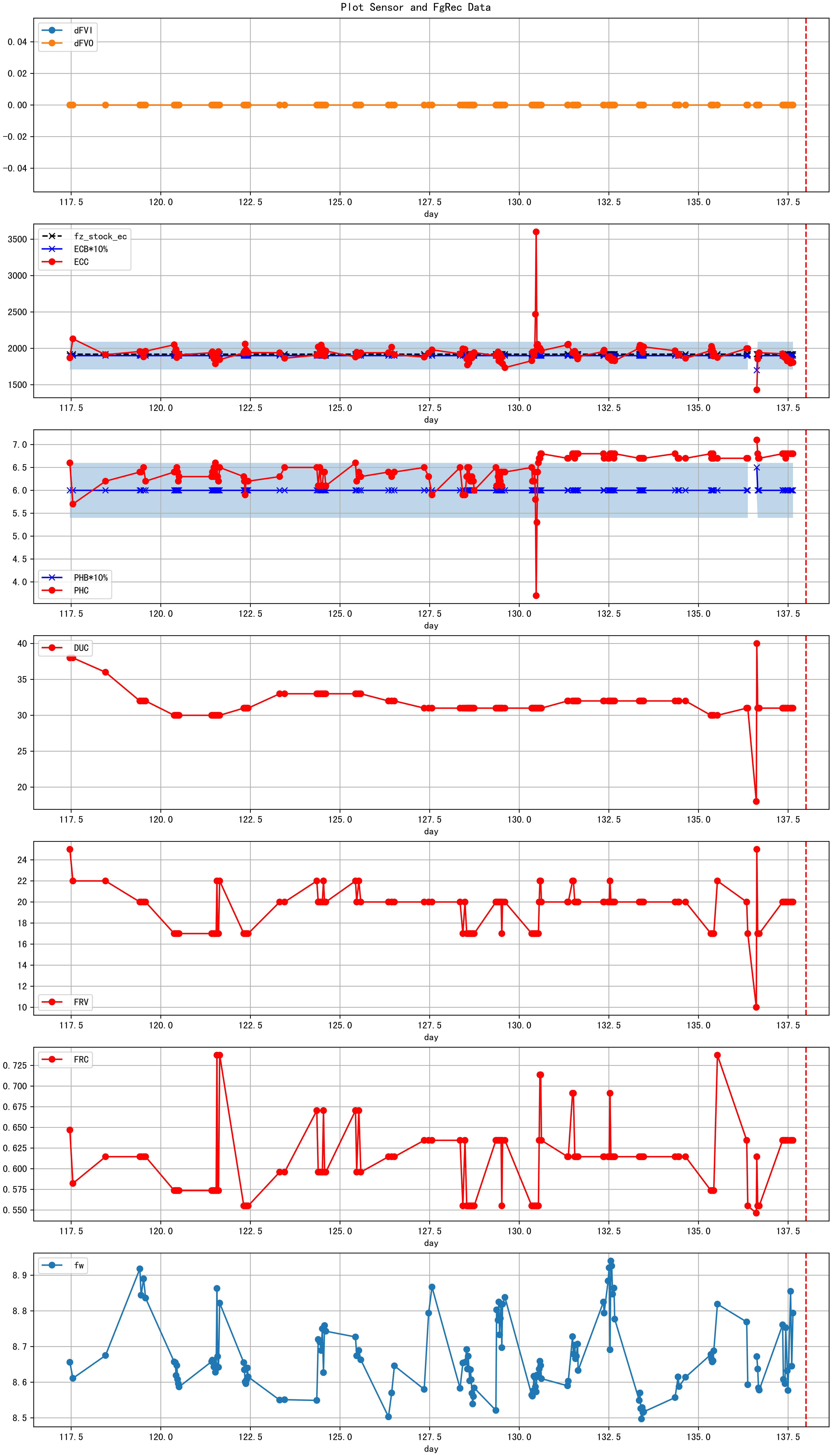

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
120
140
d

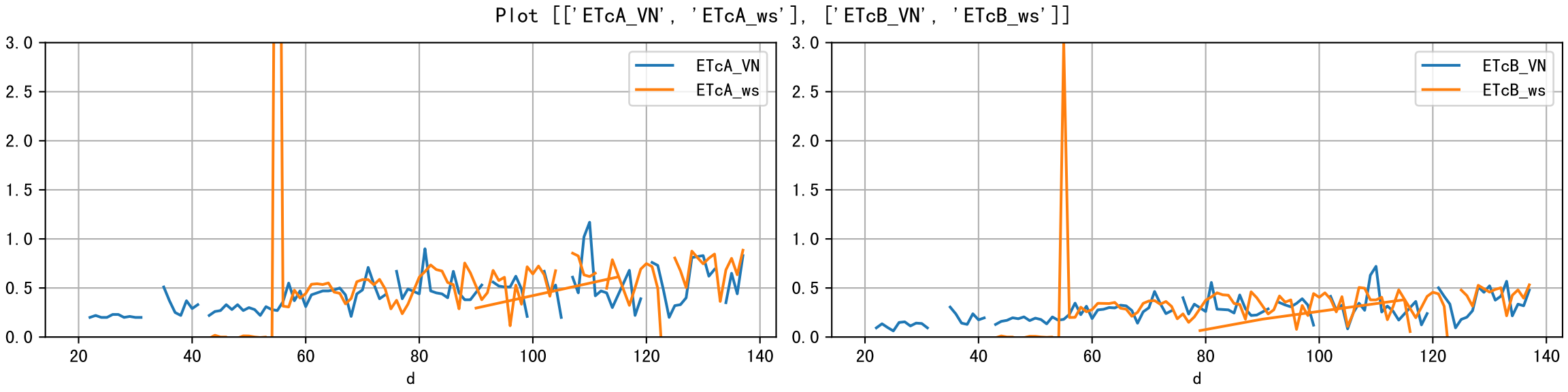

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
120
140
d

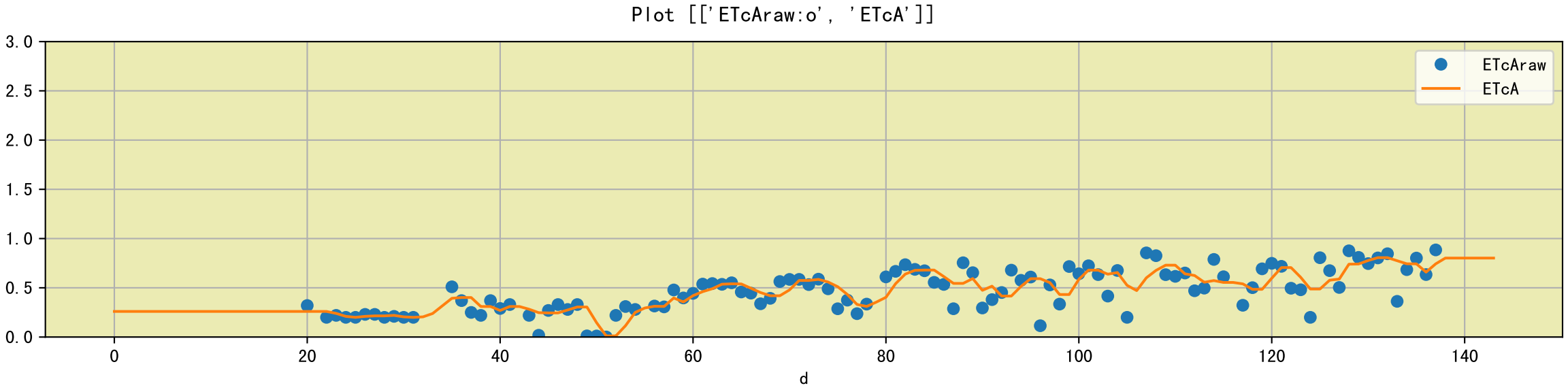

Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'EcParam', 'water_ec']]
EcFzExp
ECdef
EcParam
water_ec
Warning: col ['EcFgro', 'EcPltng'] is missing
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d

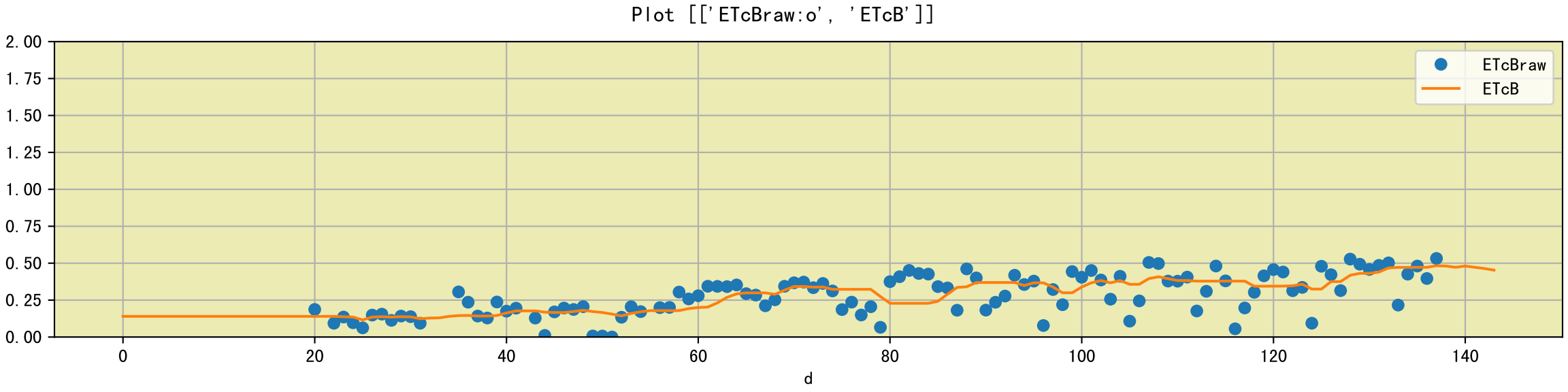

Plot ['ECopt']
ECopt
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d


L1A3_3: Ws_E44
0.050
0.025
0.000
−0.025
−0.050
20
10
0
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137

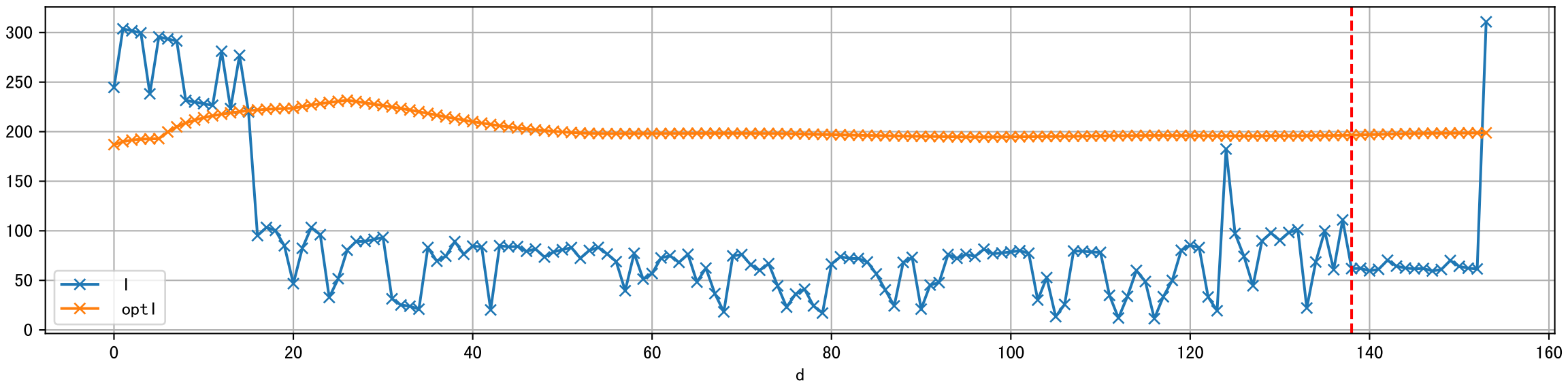

Plot Sensor and FgRec Data
dFVI
dFVO
fz_stock_ec
ECB*10%
ECC
PHB*10%
PHC
DUC
FRV
FRC
fw
day

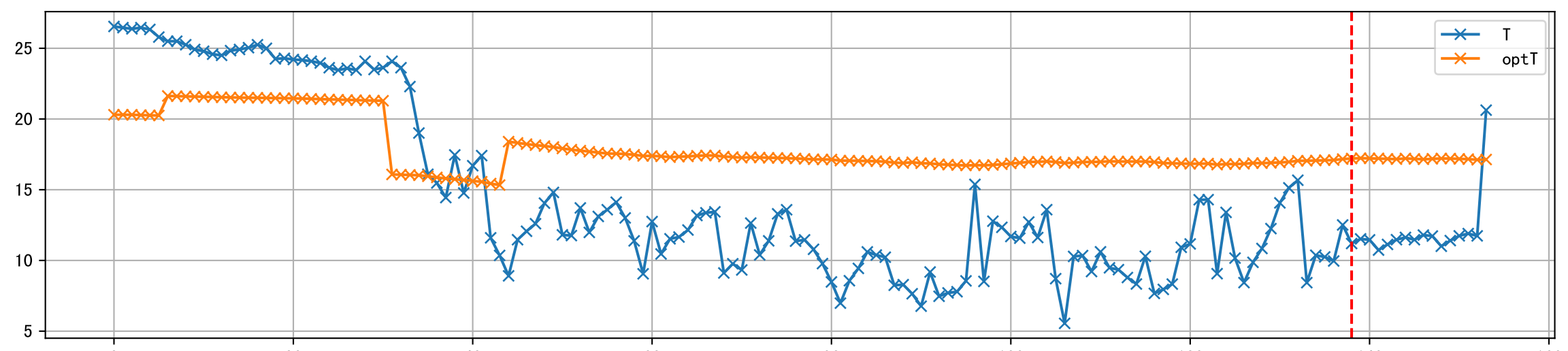

Plot [['ETcA_VN', 'ETcA_ws'], ['ETcB_VN', 'ETcB_ws']]
ETcA_VN
ETcA_ws
ETcB_VN
ETcB_ws
3.0
2.5
2.0
1.5
1.0
0.5
0.0
20
40
60
80
100
120
140
d

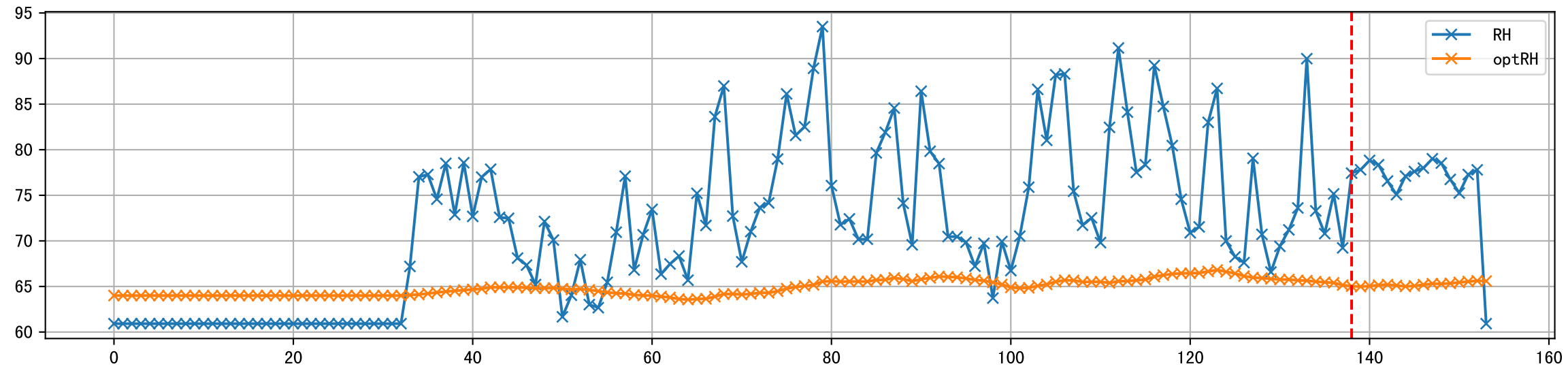

Plot [['ETcAraw:o', 'ETcA']]
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0
20
40
60
80
100
120
140
d
ETcAraw
ETcA

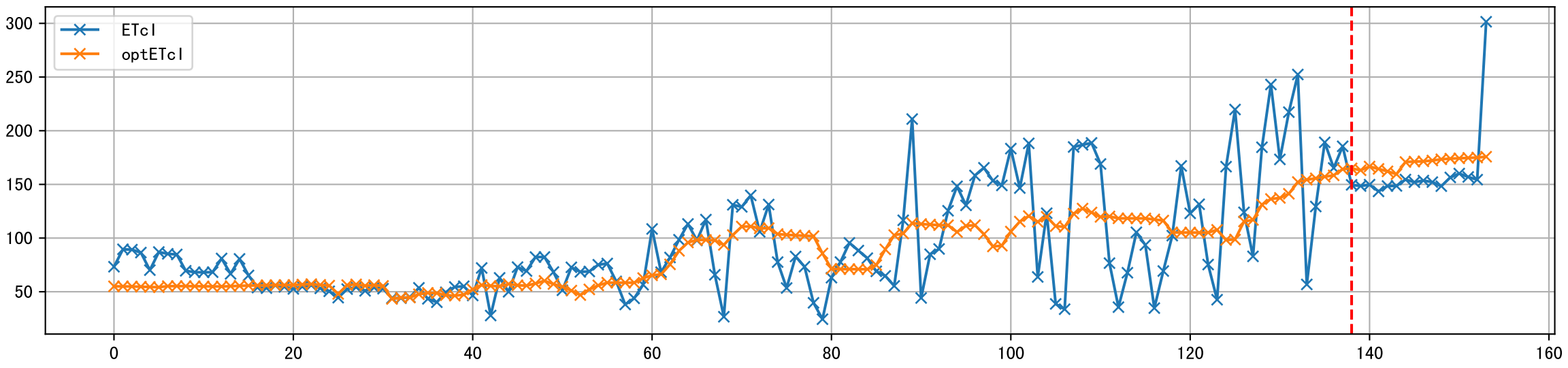

Plot [['ETcBraw:o', 'ETcB']]
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
0
20
40
60
80
100
120
140
d
ETcBraw
ETcB

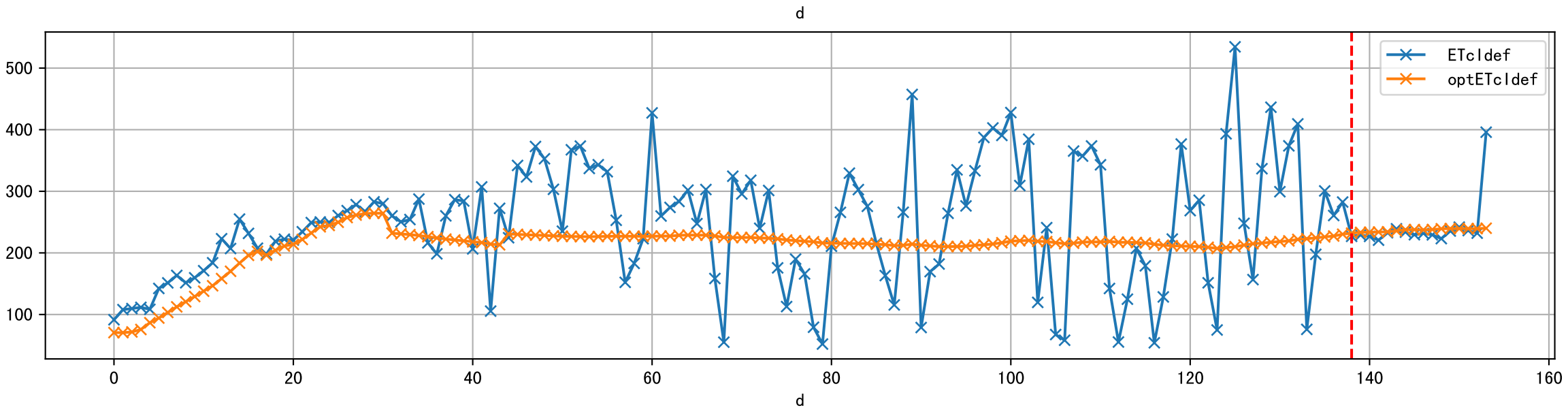
I'], ['T', 'optT'], ['RH', 'optRH'], ['ETcl', 'optETcl'], ['ETcldef', 'optETcldef'], ['ETol', 'optETol'], 'LAI', ['optEtRate', 'optEtRateDef', '

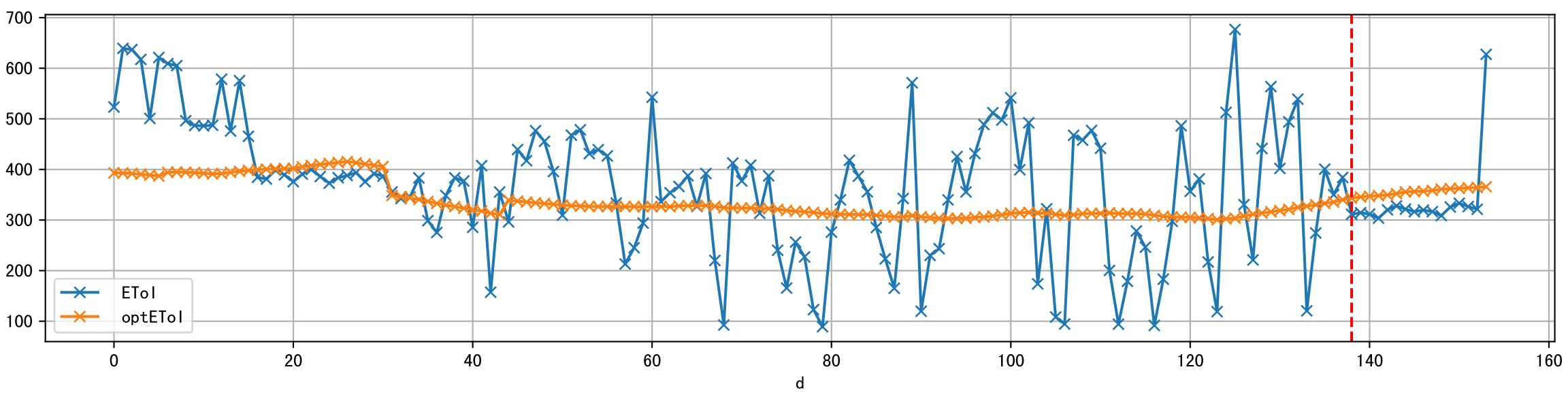


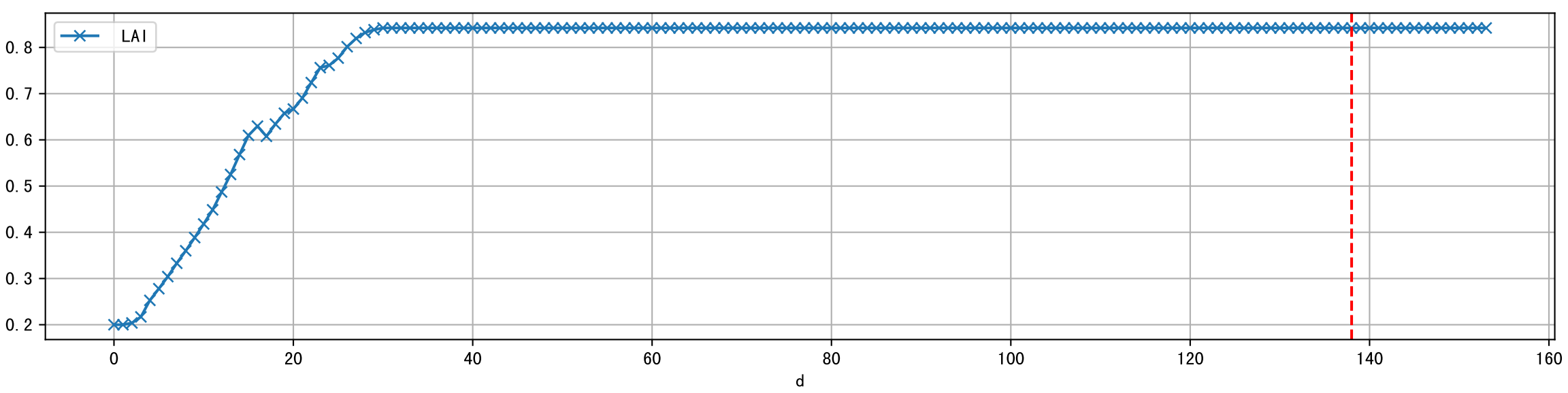


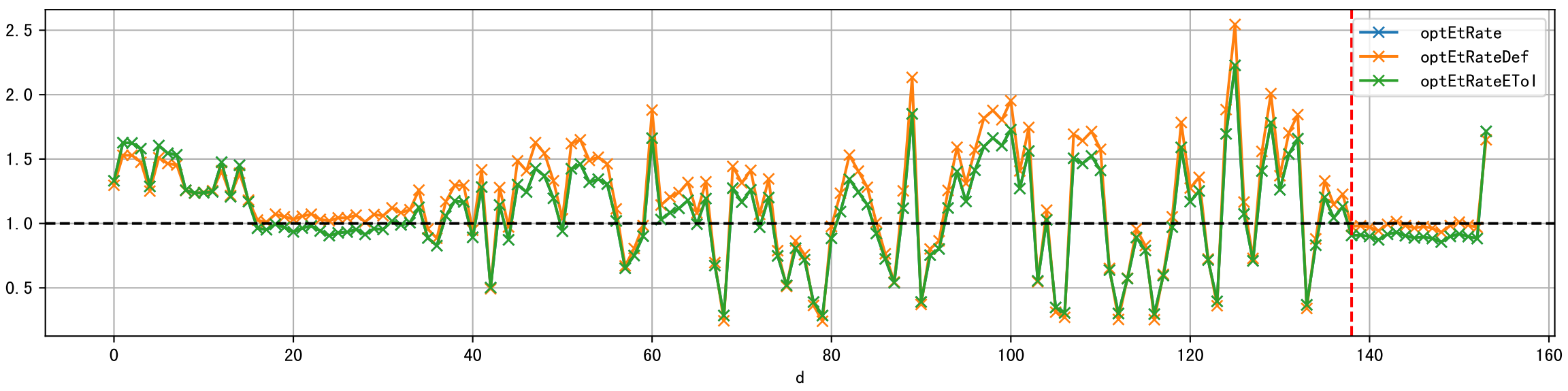


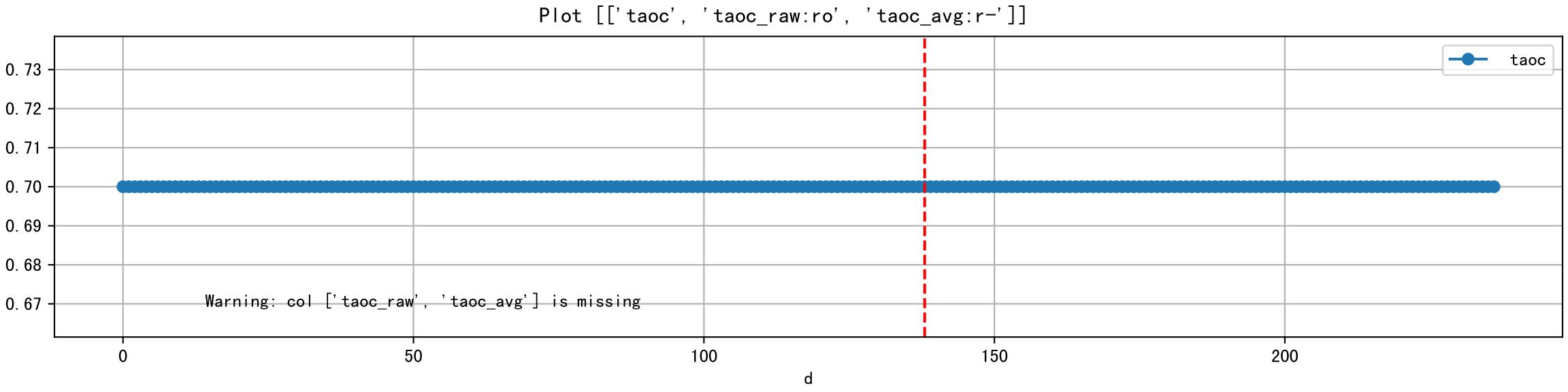


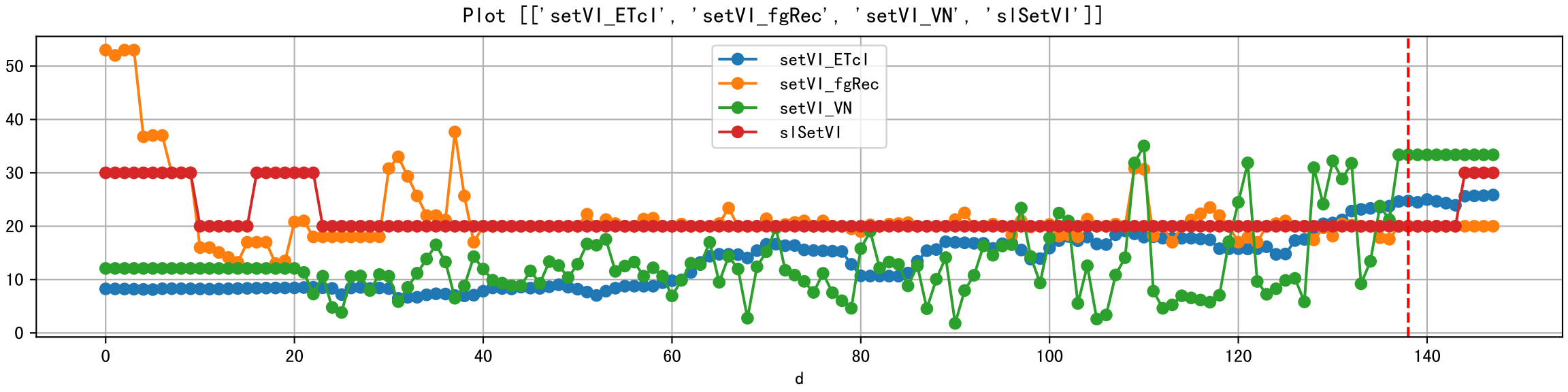


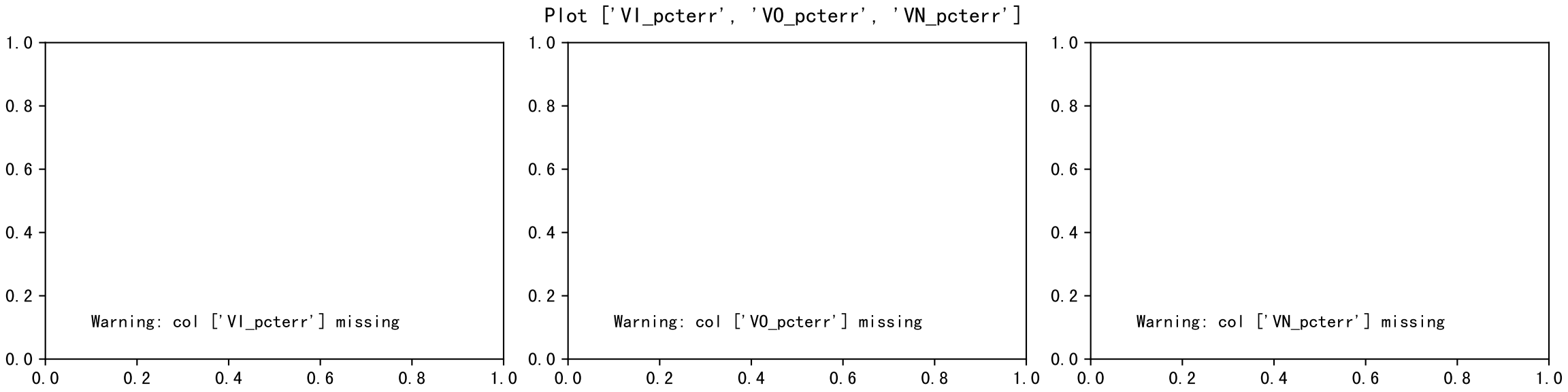


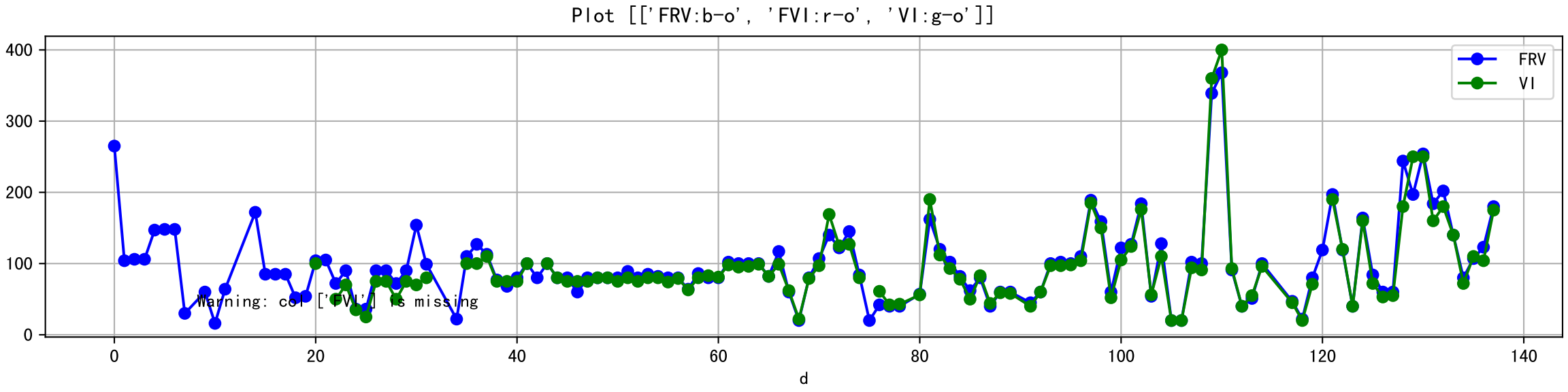


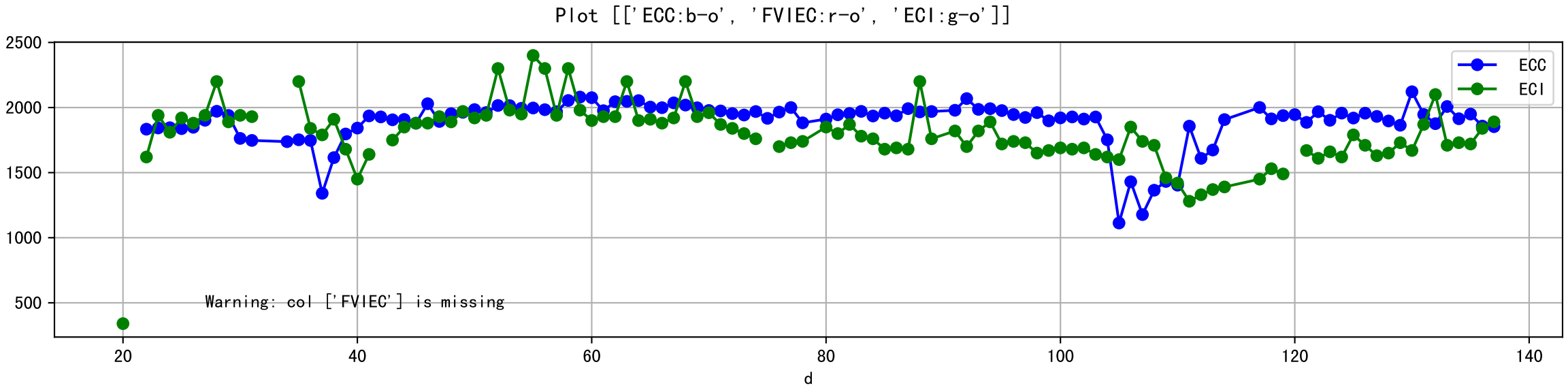


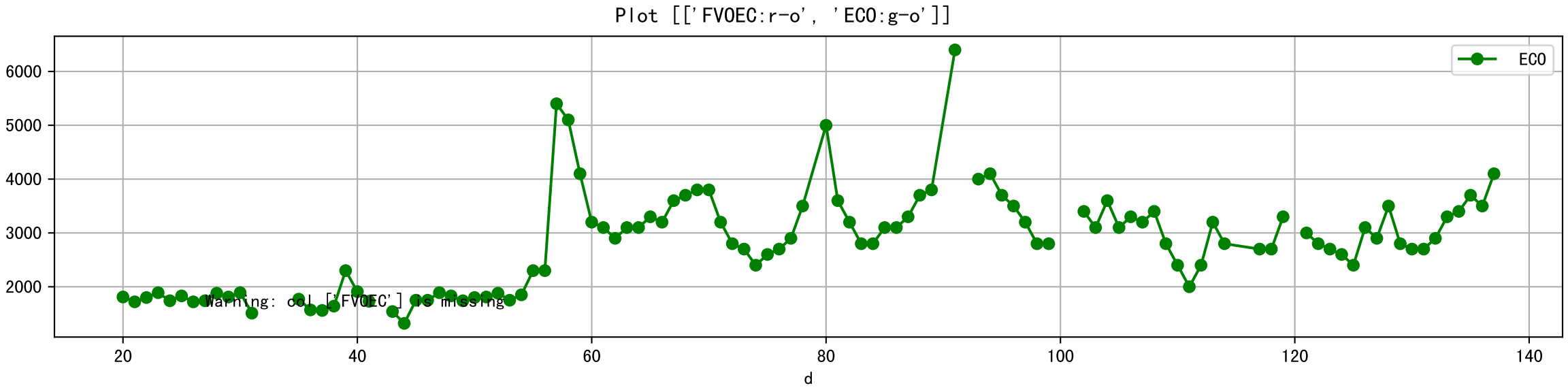

Plot [['taoc', 'taoc_raw:ro', 'taoc_avg:r-']]
taoc
0.73
0.72
0.71
0.70
0.69
0.68
0.67
Warning: col ['taoc_raw', 'taoc_avg'] is missing
0
50
100
150
200
d

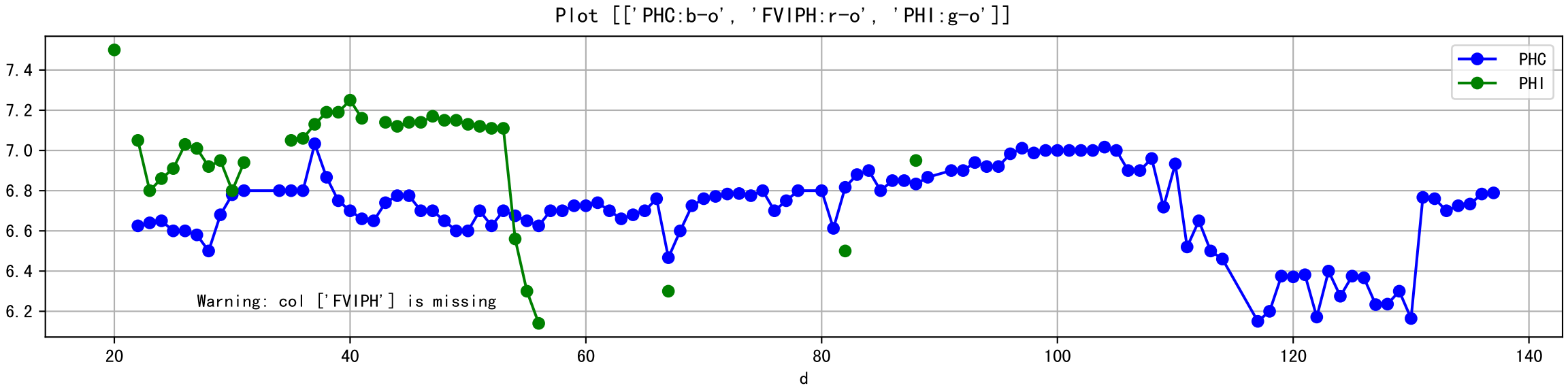

Plot [['setVI_ETcI', 'setVI_fgRec', 'setVI_VN', 'slSetVI']]
setVI_ETcI
setVI_fgRec
setVI_VN
slSetVI
0
10
20
30
40
50
0
20
40
60
80
100
120
140
d

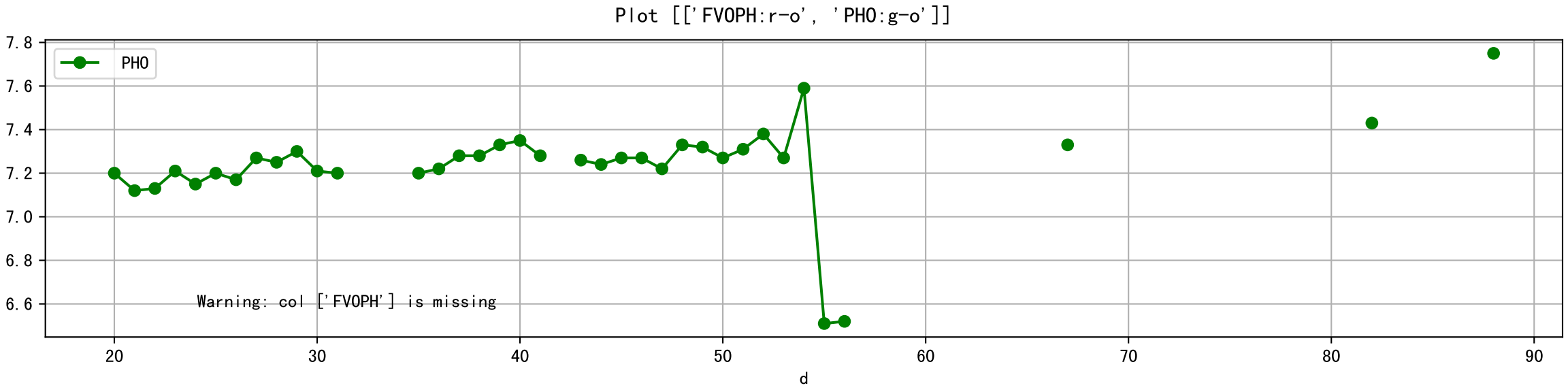

Plot ['VI_pcterr', 'VO_pcterr', 'VN_pcterr']
Warning: col ['VI_pcterr'] missing
Warning: col ['VO_pcterr'] missing
Warning: col ['VN_pcterr'] missing
0.0
0.2
0.4
0.6
0.8
1.0

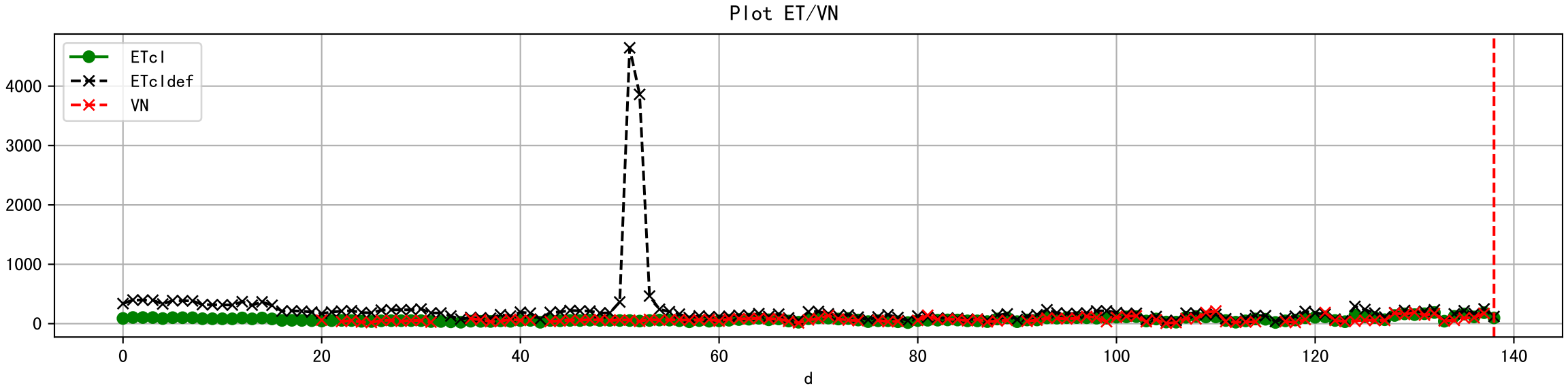

Plot [['FRV:b-o', 'FVI:r-o', 'VI:g-o']]
FRV
VI
Warning: col ['FVI'] is missing
0
100
200
300
400
0
20
40
60
80
100
120
140
d


Plot [['ECC:b-o', 'FVIEC:r-o', 'ECI:g-o']]
2500
2000
1500
1000
500
20
40
60
80
100
120
140
d
ECC
ECI
Warning: col ['FVIEC'] is missing

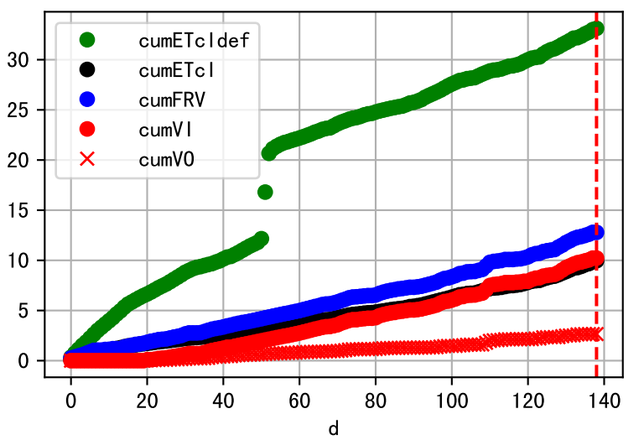

Plot [['FVOEC:r-o', 'ECO:g-o']]
ECO
Warning: col ['FVOEC'] is missing
6000
5000
4000
3000
2000
20
40
60
80
100
120
140
d

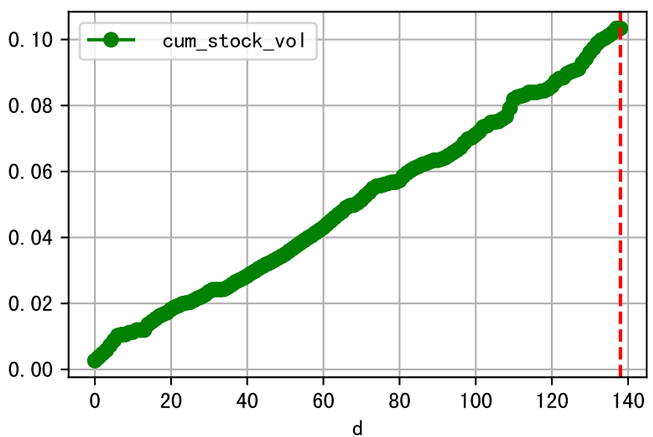

Plot [['PHC:b-o', 'FVIPH:r-o', 'PHI:g-o']]
PHC
PHI
Warning: col ['FVIPH'] is missing
7.4
7.2
7.0
6.8
6.6
6.4
6.2
20
40
60
80
100
120
140
d

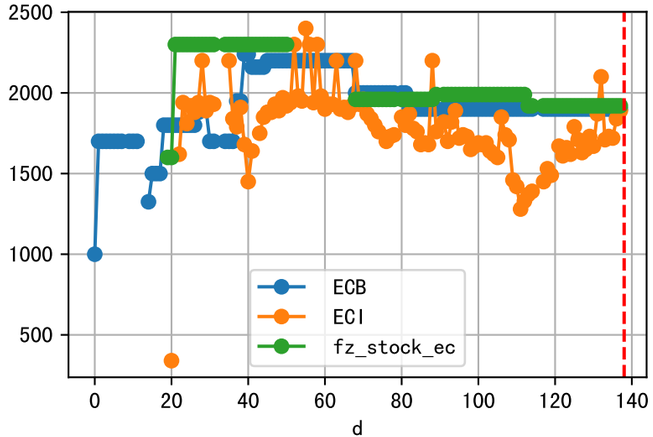

Plot [['FVOPH:r-o', 'PHO:g-o']]
PHO
Warning: col ['FVOPH'] is missing
7.8
7.6
7.4
7.2
7.0
6.8
6.6
20
30
40
50
60
70
80
90
d

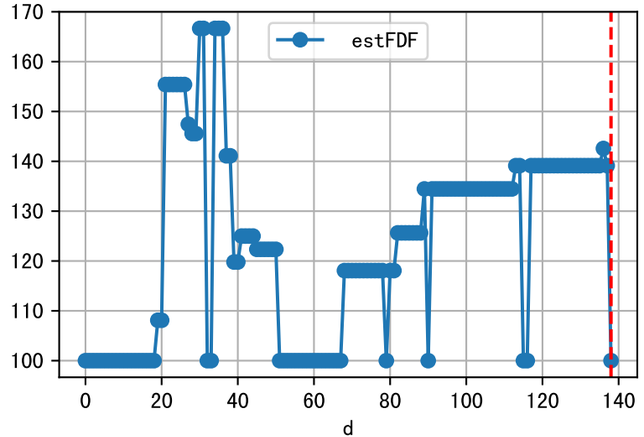

Plot ET/VN
ETcl
ETcldef
VN
4000
3000
2000
1000
0
0
20
40
60
80
100
120
140
d

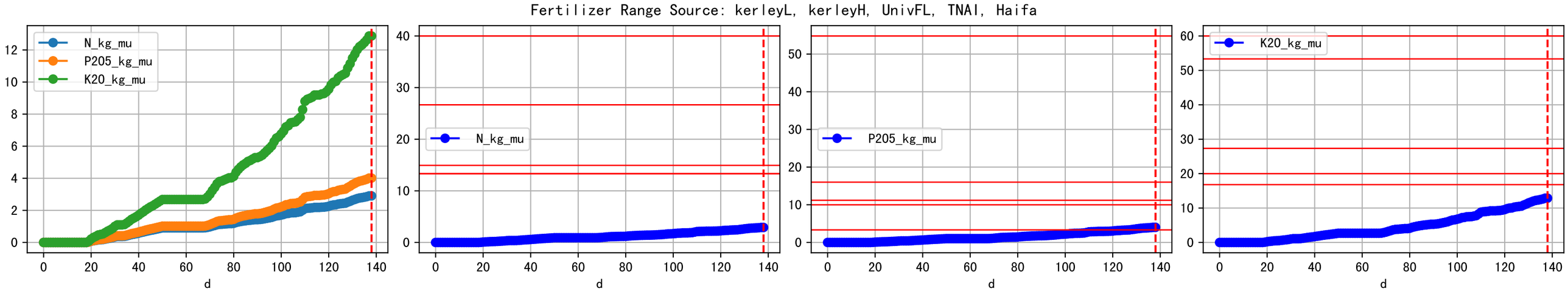
Plot Fv and fertilizer usage

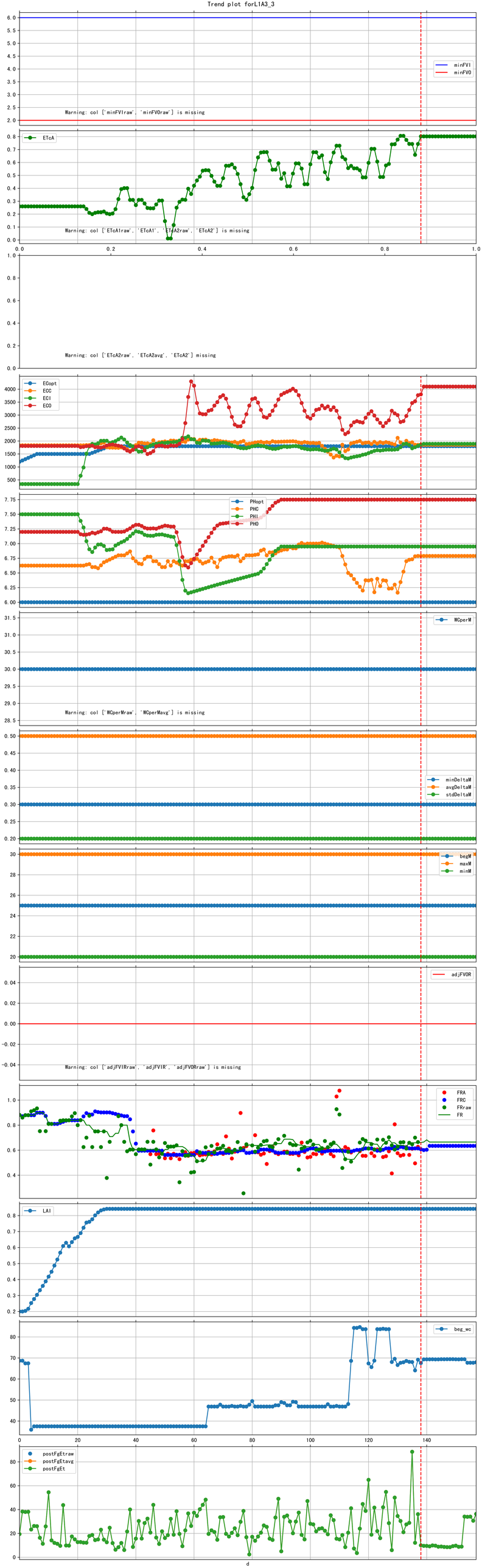


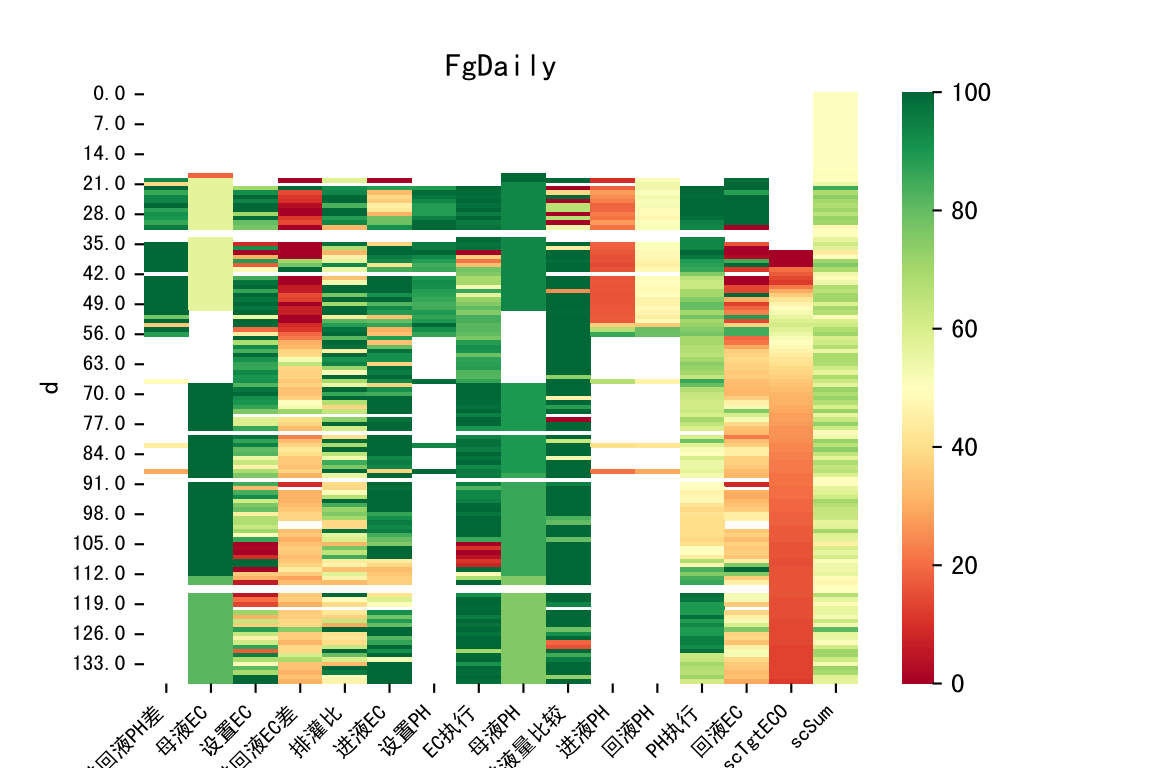




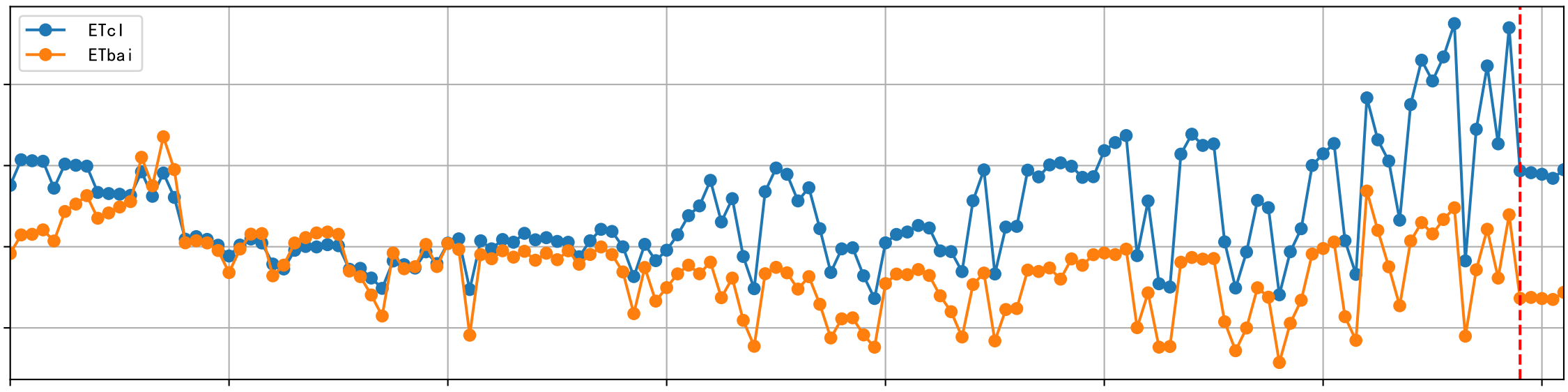


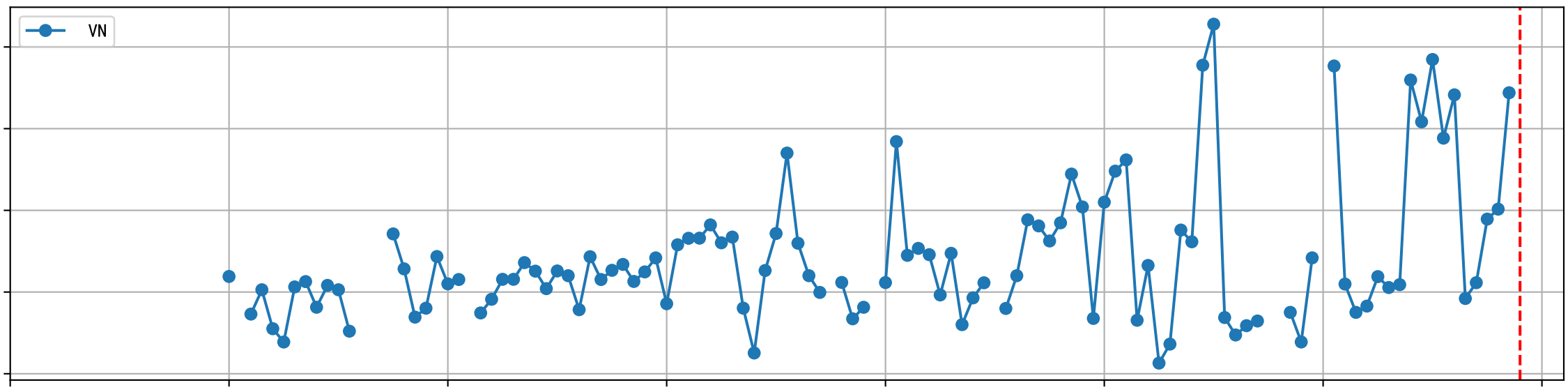

Fertilizer Range Source: kerleyL, kerleyH, UnivFL, TNAI, Haifa
N_kg_mu
P205_kg_mu
K20_kg_mu
d

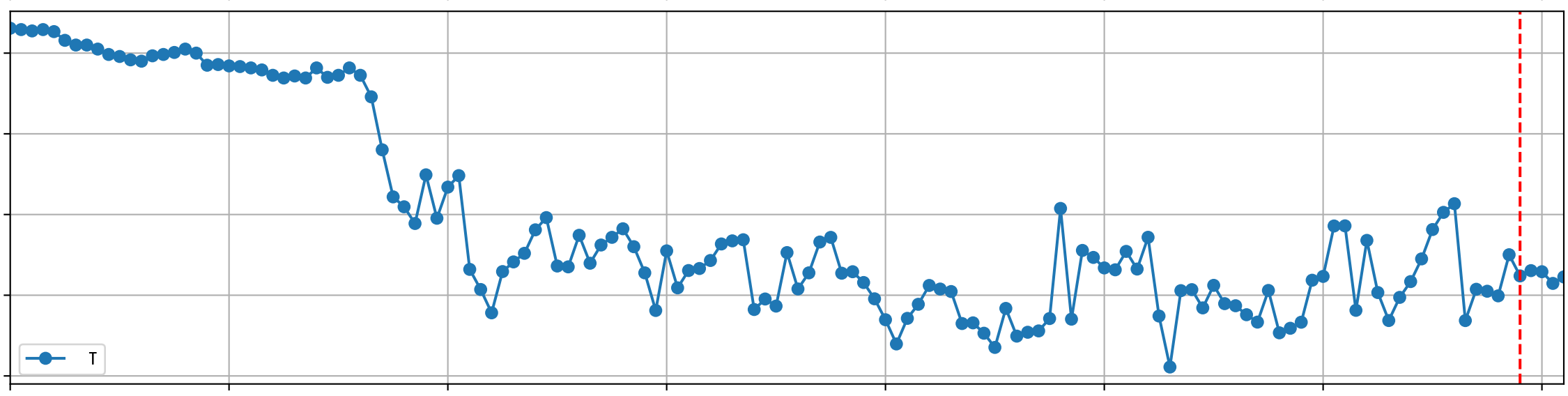

Trend plot forL1A3_3
minFVI
minFVO
Warning: col ['minFVIraw', 'minFVOraw'] is missing
ETcA
Warning: col ['ETcA1raw', 'ETcA1', 'ETcA2raw', 'ETcA2'] is missing
Warning: col ['ETcA2raw', 'ETcA2avg', 'ETcA2'] is missing
ECopt
ECC
ECI
ECO
PHopt
PHC
PHI
PHO
WCperM
Warning: col ['WCperMraw', 'WCperMavg'] is missing
minDeltaM
avgDeltaM
stdDeltaM
begM
maxM
minM
adjFVOR
Warning: col ['adjFVIRraw', 'adjFVIR', 'adjFVORraw'] is missing
FRA
FRC
FRraw
FR
LAI
beg_wc
postFgEtraw
postFgEtavg
postFgEt
d

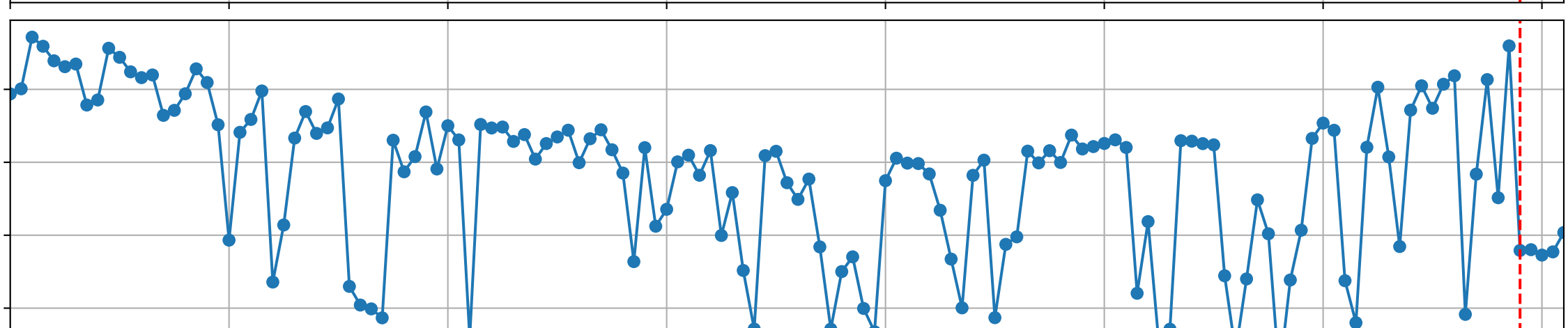

FgDaily
d
0.0
7.0
14.0
21.0
28.0
35.0
42.0
49.0
56.0
63.0
70.0
77.0
84.0
91.0
98.0
105.0
112.0
119.0
126.0
133.0
100
80
60
40
20
0
回液PH差
母液EC
设置EC
回液EC差
排灌比
进液EC
设置PH
EC执行
母液PH
灌比较
进液PH
回液PH
PH执行
回液EC
scTgtEC0
scSum

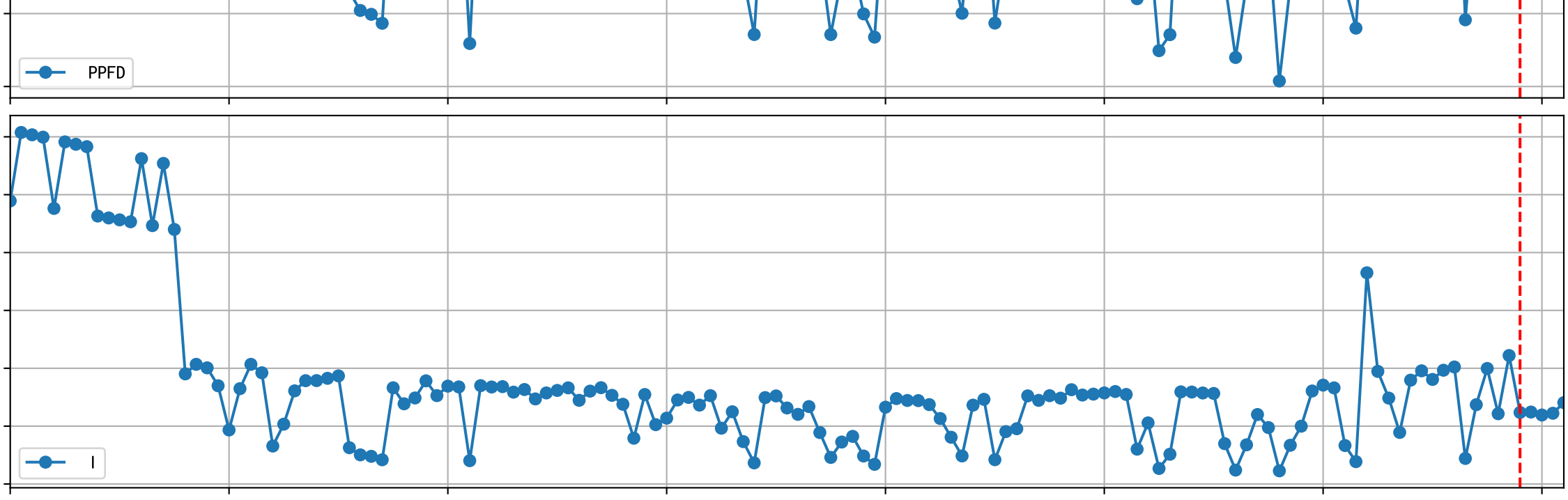
L1A3_3

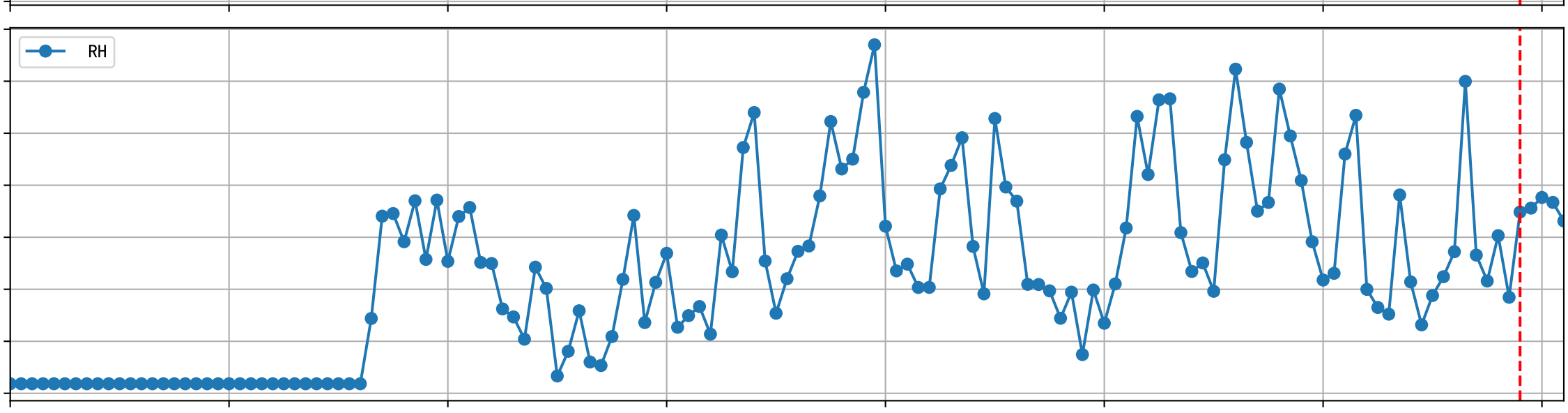


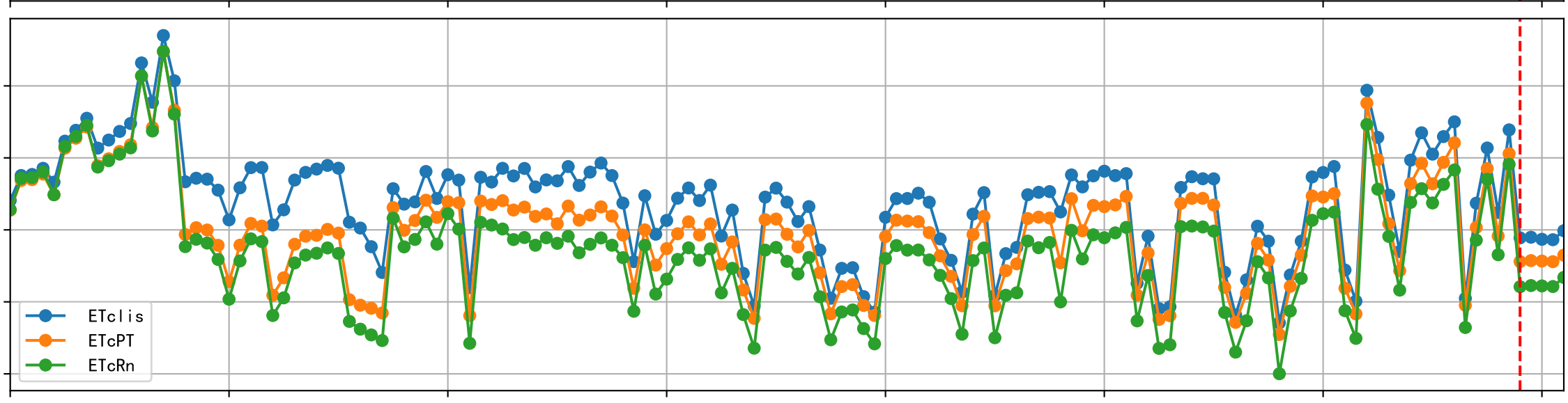






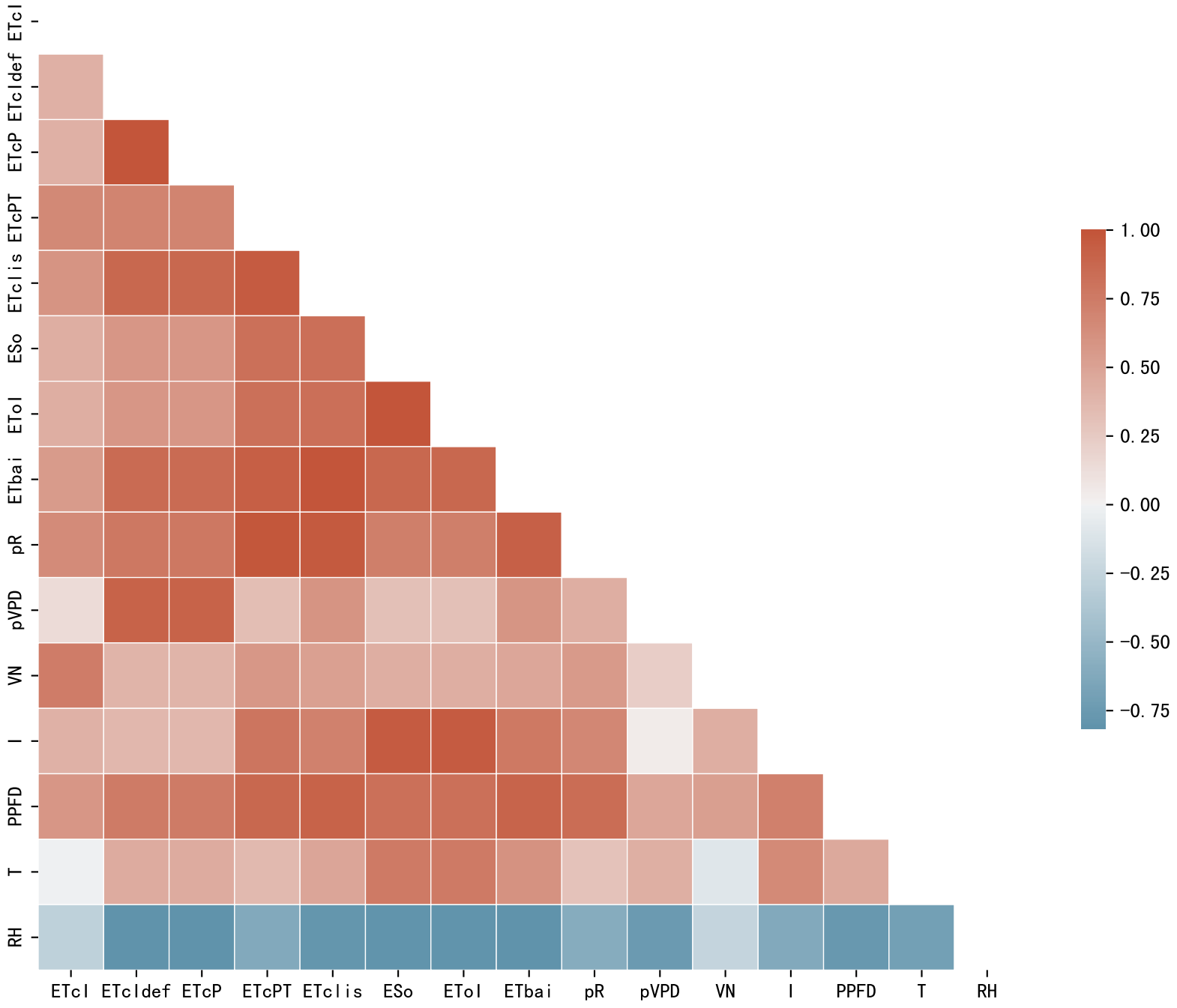


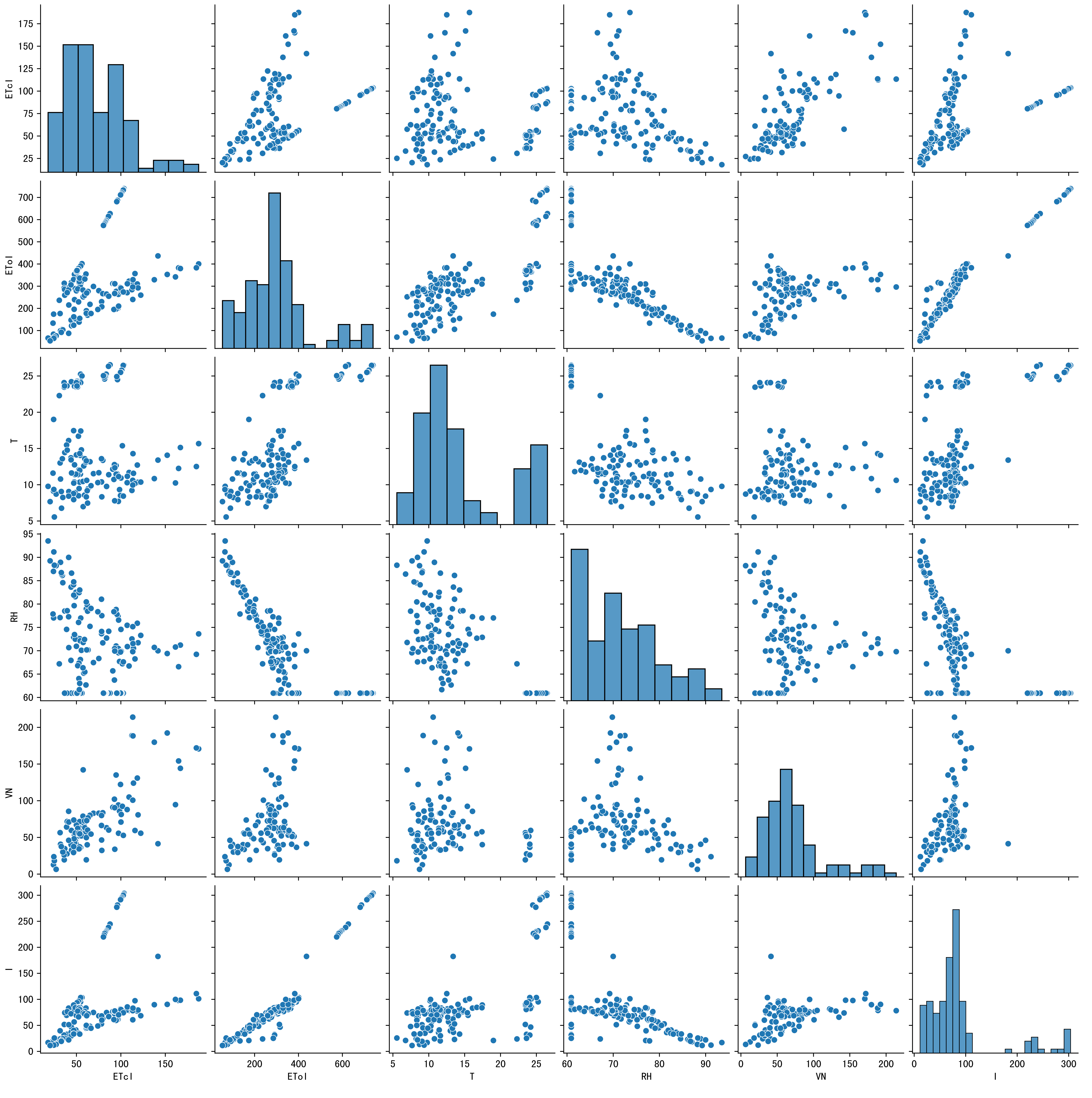


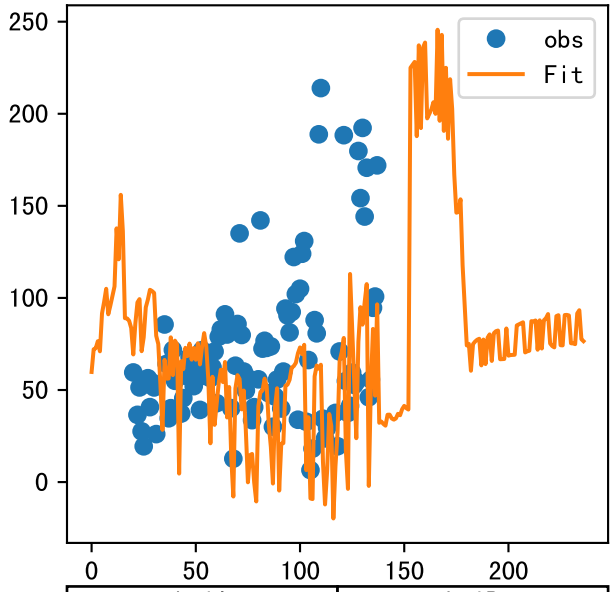


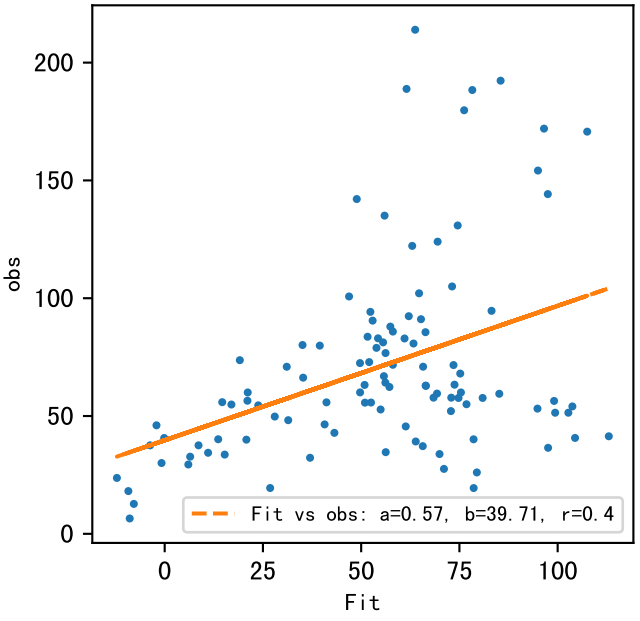
0 20 40 60 80 100 120 140

d

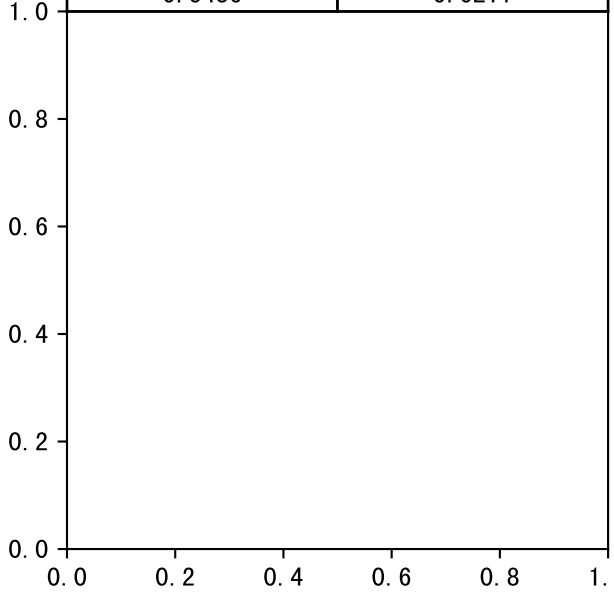

ETcl
ETcldef
ETcP
ETcPT
ETclis
ESo
ETol
ETbai
pR
pVPD
VN
I
PPFD
T
RH
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75

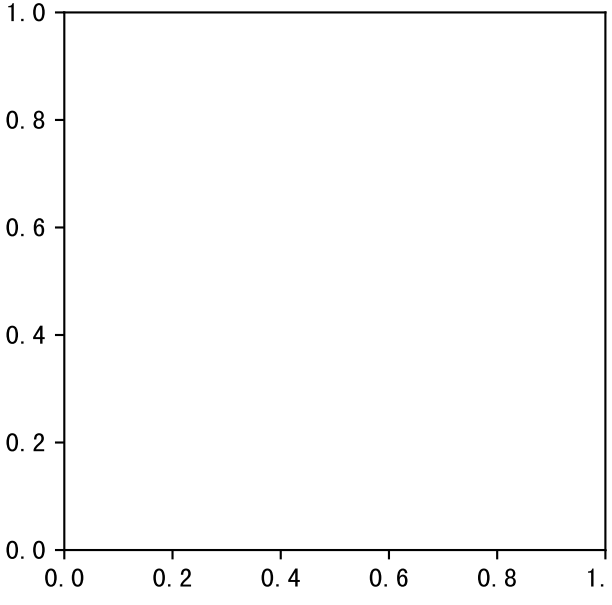

ETcl
ETol
T
RH
VN
I

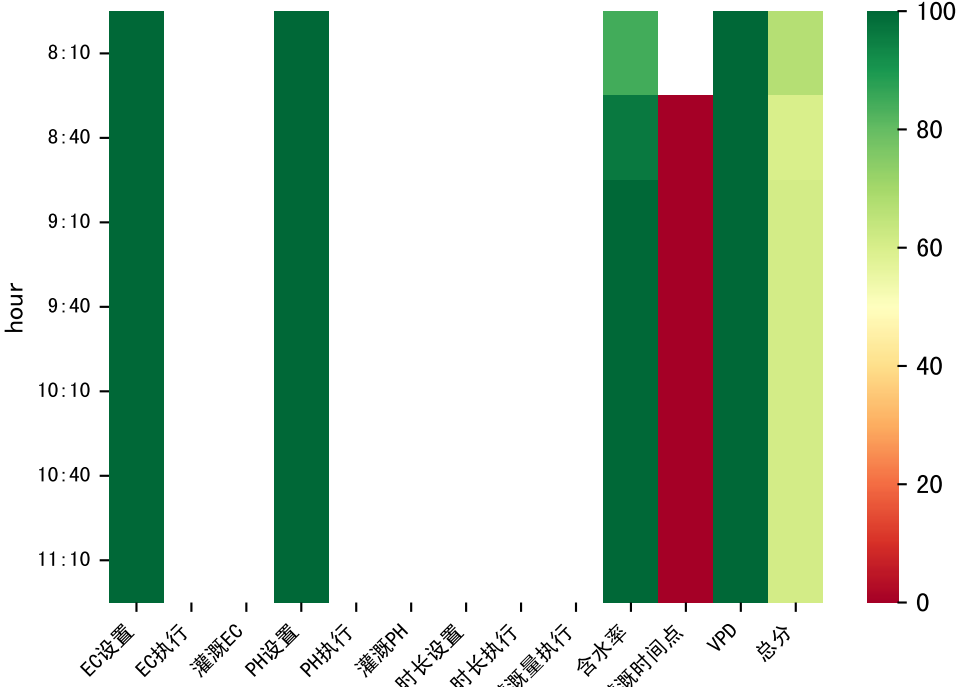




baiA	baiB
0.5436	0.0211

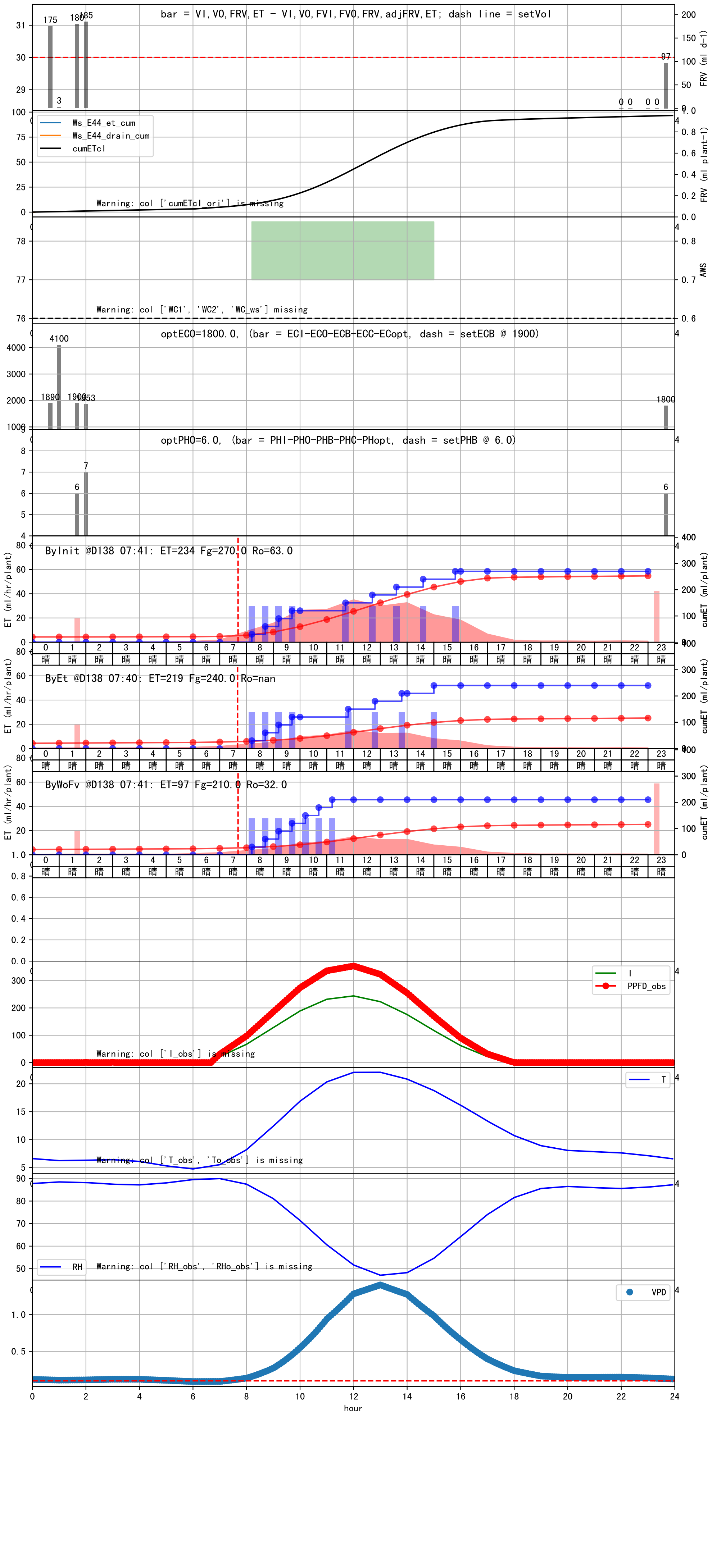


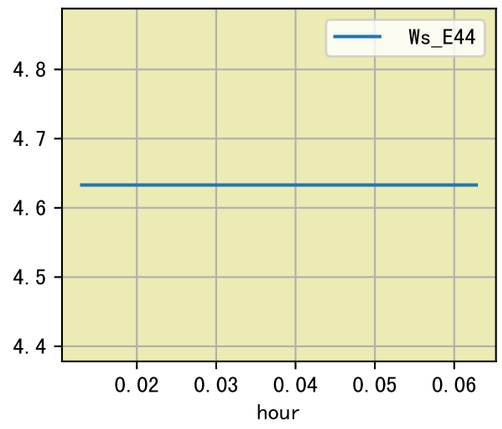


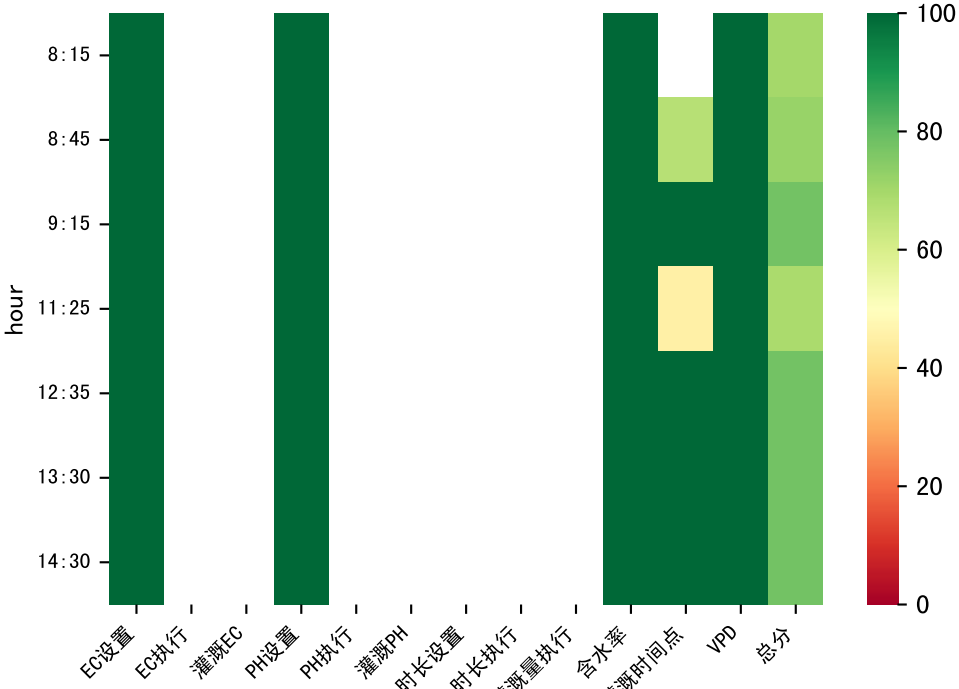

hour
8:10
8:40
9:10
9:40
10:10
10:40
11:10
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
含水率
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:10	45	30.0	0.122	晴	假设 自主（预期回液 无）
08:40	45	30.0	0.122	晴	假设 自主（预期回液 无）
09:10	45	30.0	0.122	晴	假设 自主（预期回液 无）
09:40	45	30.0	0.122	晴	假设 自主（预期回液 无）
10:10	45	30.0	0.122	晴	假设 自主（预期回液 无）
10:40	45	30.0	0.122	晴	假设 自主（预期回液 5 ml/株）
11:10	45	30.0	0.122	晴	假设 自主（预期回液 27 ml/株）
总计	315.0 (7次)	210.0			建议进液EC：1900， PH：6.0

L1A3_3, Day=138 (2026-02-21)



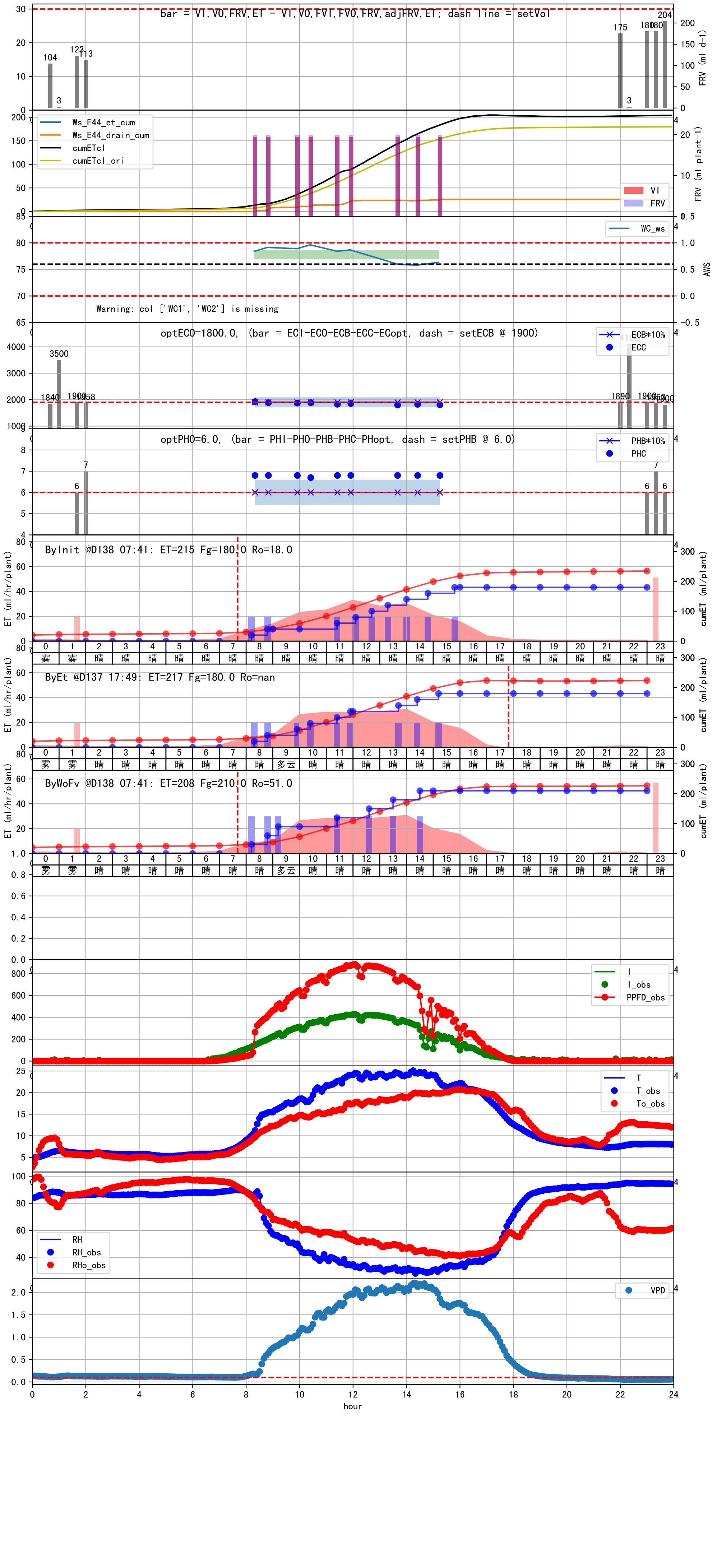

Ws_E44
4.8
4.7
4.6
4.5
4.4
0.02
0.03
0.04
0.05
0.06
hour

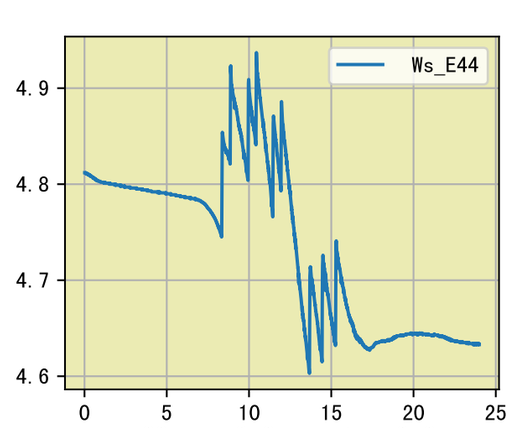

hour
8:15
8:45
9:15
11:25
12:35
13:30
14:30
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
含水率
VPD
总分
100
80
60
40
20
0

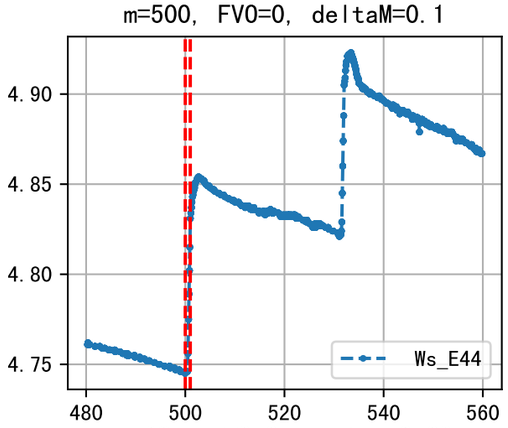
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:15	45	30.0	0.122	晴	假设 未知程序（预期回液 无）
08:45	45	30.0	0.122	晴	假设 未知程序（预期回液 21 ml/株）
09:15	45	30.0	0.122	多云	假设 未知程序（预期回液 30 ml/株）
11:25	45	30.0	0.122	晴	假设 未知程序（预期回液 无）
12:35	45	30.0	0.122	晴	假设 未知程序（预期回液 无）
13:30	45	30.0	0.122	晴	假设 未知程序（预期回液 无）
14:30	45	30.0	0.122	晴	假设 未知程序（预期回液 无）
总计	315.0 (7次)	210.0			建议进液EC：1900， PH：6.0

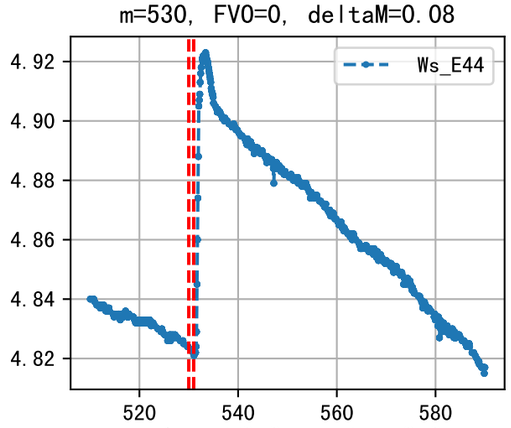
上次灌溉时长未按模型建议(31 vs 45.0))
默认实际灌溉20.0 ml.

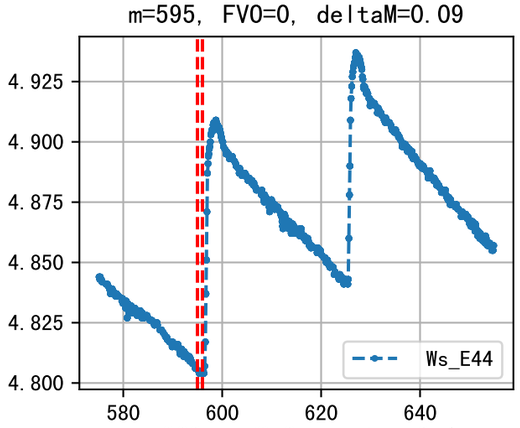
L1A3_3, Day=137.0 (2026-02-20)

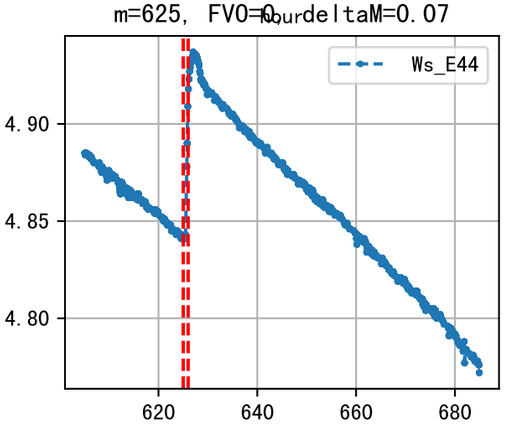


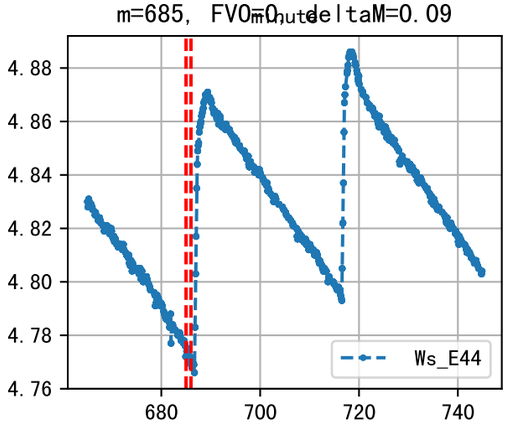

Ws_E44

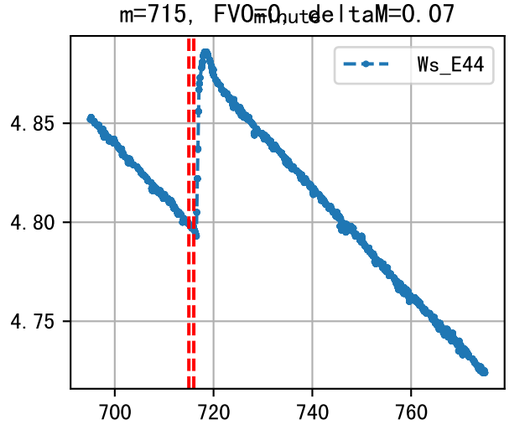

m=500, FV0=0, deltaM=0.1
Ws_E44

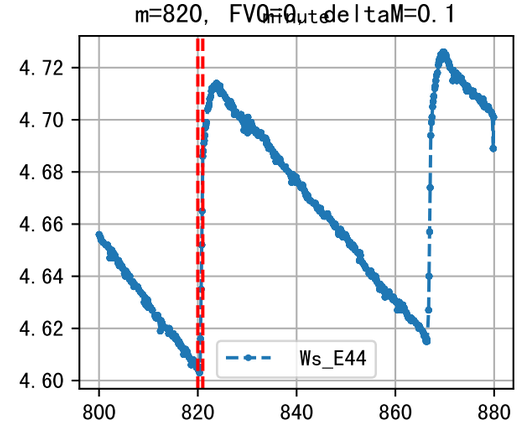

m=530, FV0=0, deltaM=0.08
Ws_E44

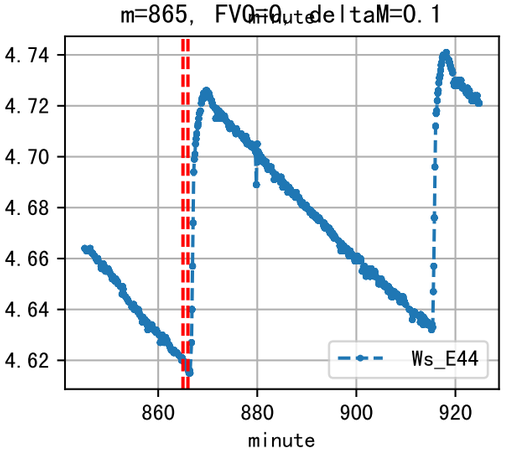

m=595, FV0=0, deltaM=0.09
Ws_E44

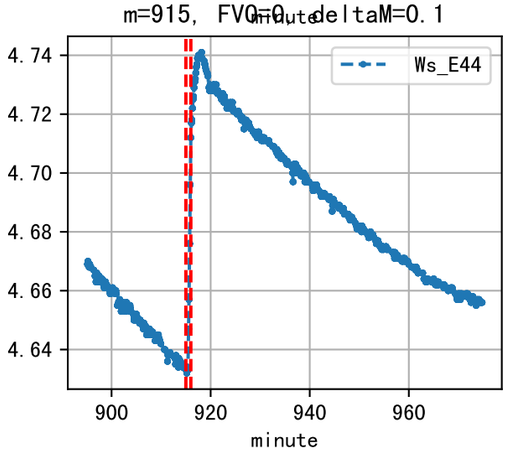

m=625, FV0=0, deltaM=0.07
Ws_E44

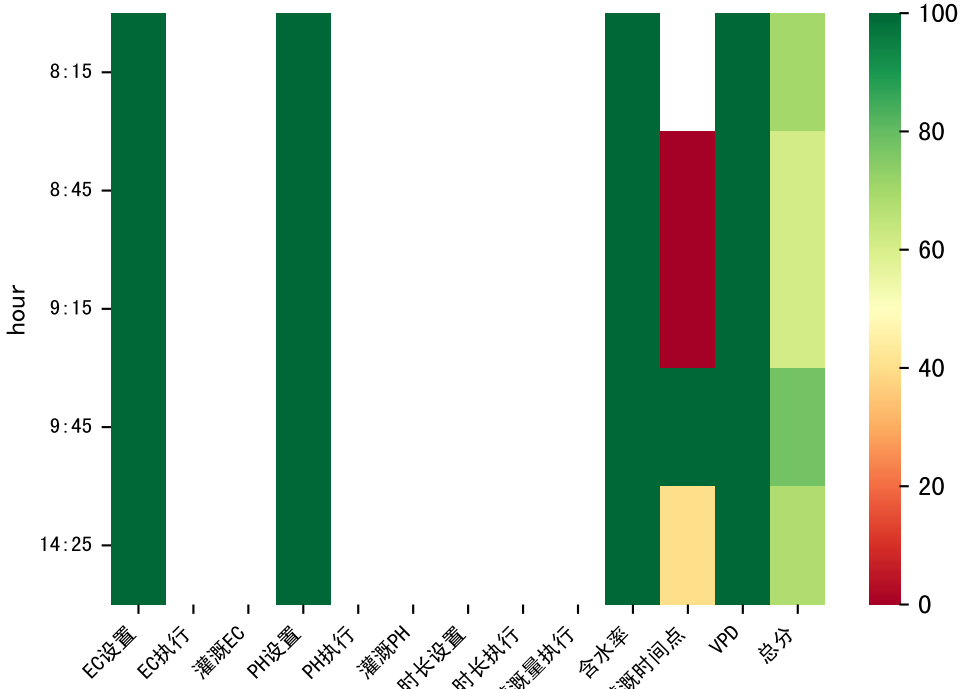

m=685, FV0=0, deltaM=0.09
Ws_E44


m=715, FV0=0, deltaM=0.07
Ws_E44
minute


m=820, FV0=0, deltaM=0.1
Ws_E44
minute


m=865, FV0=0, deltaM=0.1
Ws_E44
minute

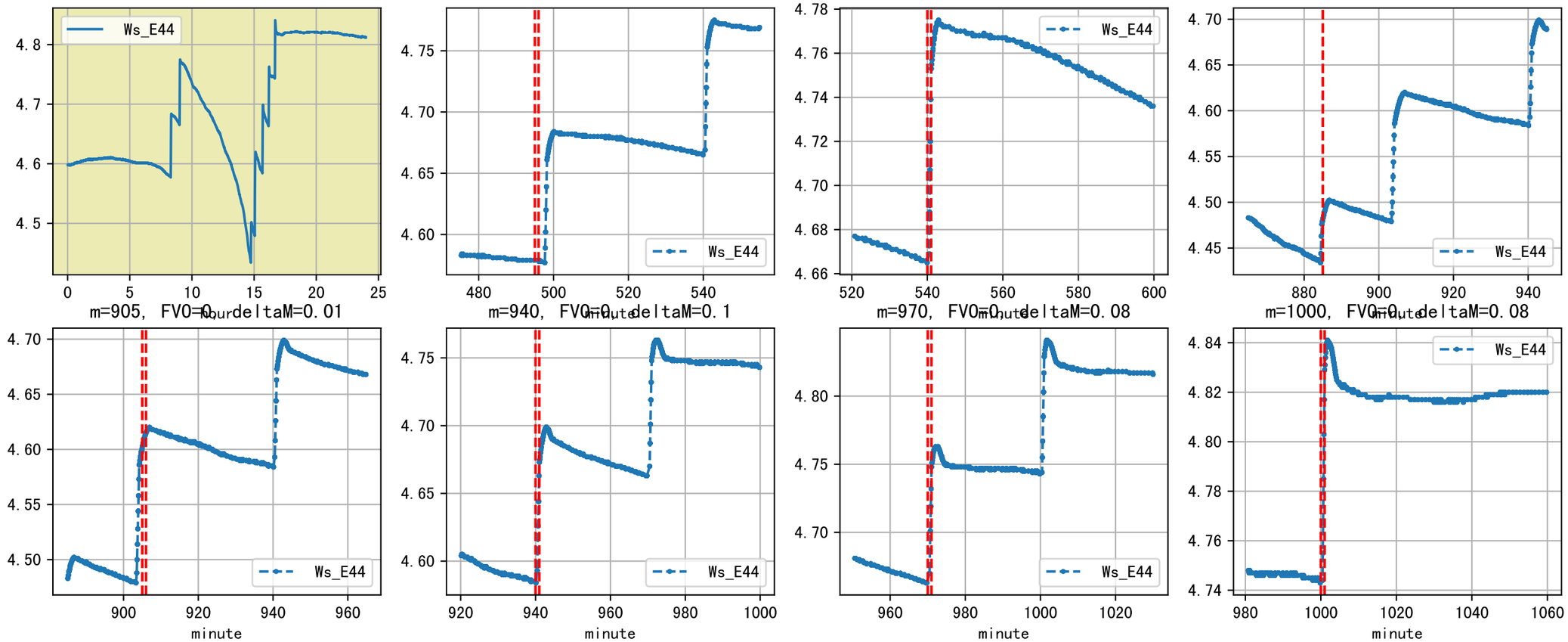

m=915, FV0=0, deltaM=0.1
Ws_E44
minute

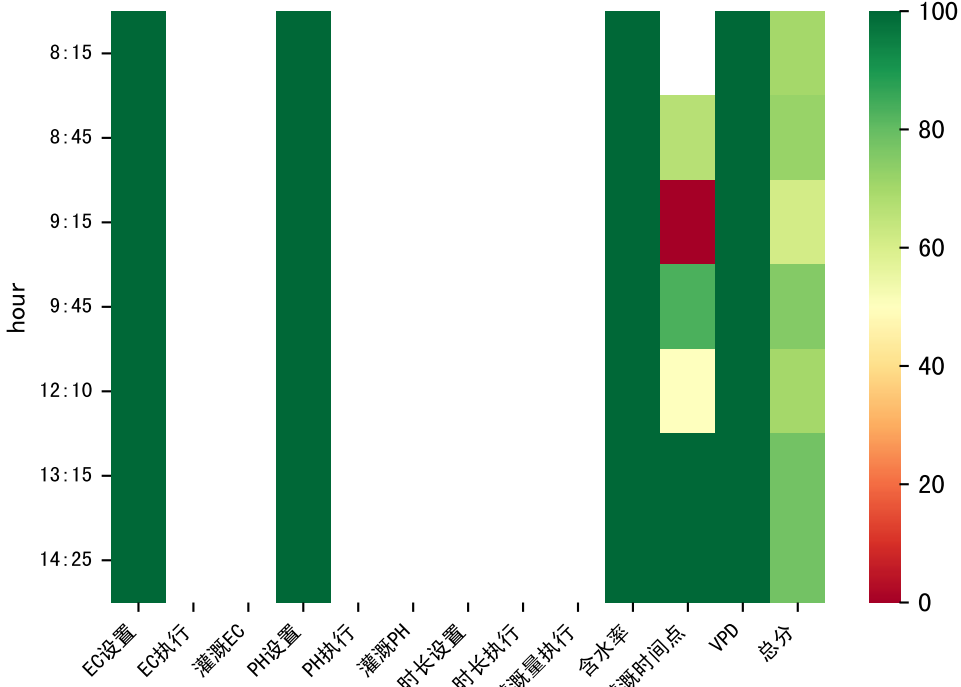

hour
8:15
8:45
9:15
9:45
14:25
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:15	45	30.0	0.122	雾	假设 未知程序（预期回液 无）
08:45	45	30.0	0.122	雾	假设 未知程序（预期回液 9 ml/株）
09:15	45	30.0	0.122	雾	假设 未知程序（预期回液 30 ml/株）
09:45	45	30.0	0.122	雾	假设 未知程序（预期回液 31 ml/株）
14:25	45	30.0	0.122	阴	假设 未知程序（预期回液 无）
总计	225.0 (5次)	150.0			建议进液EC：1900， PH：6.0

上次灌溉时长未按模型建议(31 vs 45.0))
默认实际灌溉20.0 ml.

L1A3_3, Day=136.0 (2026-02-19)

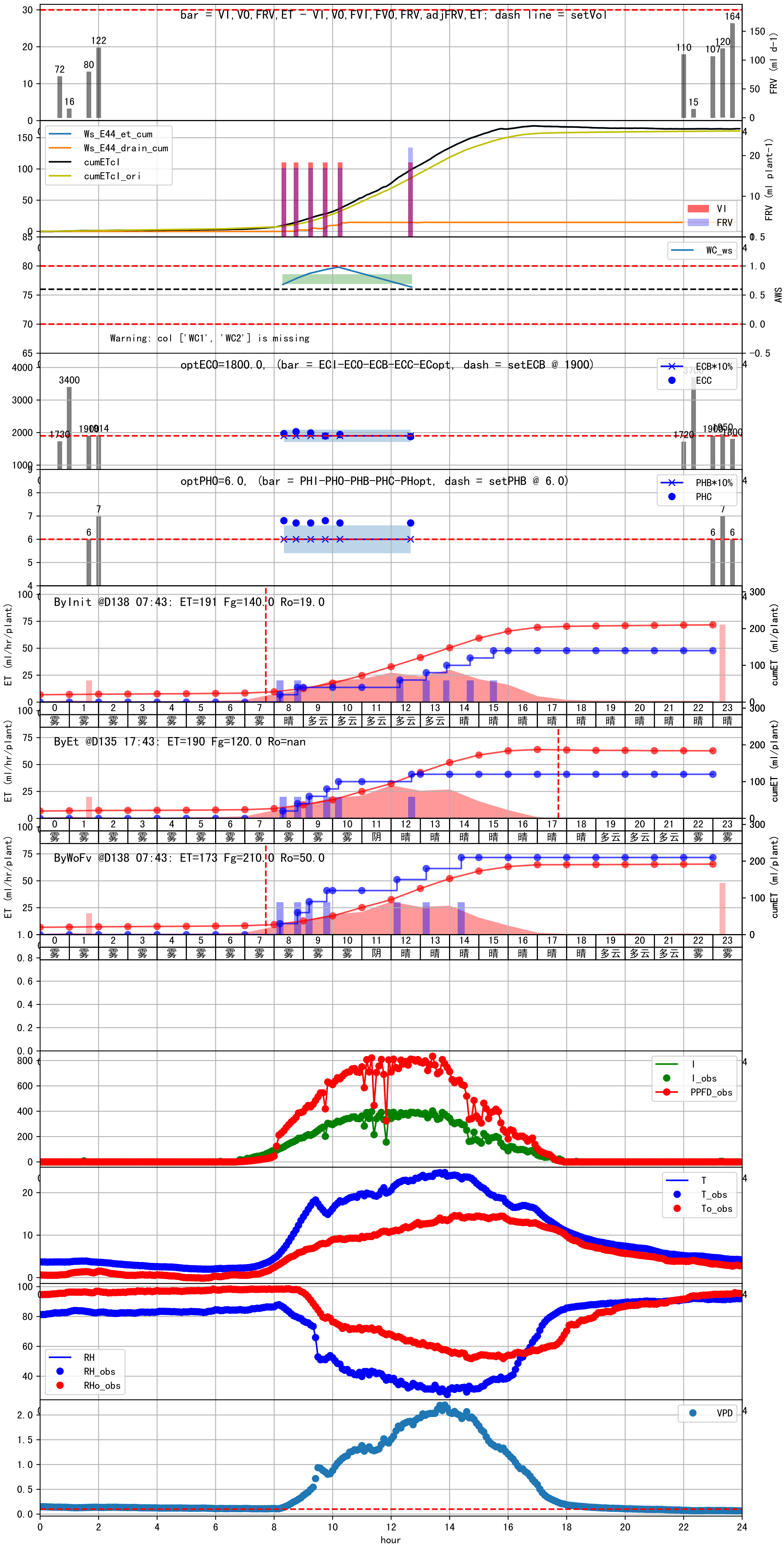

Ws_E44
m=495, FV0=0, deltaM=0.1
m=540, FV0=0, deltaM=0.1
m=885, FV0=0, deltaM=0.01
m=905, FV0=0, deltaM=0.01
m=940, FV0=0, deltaM=0.1
m=970, FV0=0, deltaM=0.08
m=1000, FV0=0, deltaM=0.08
minute

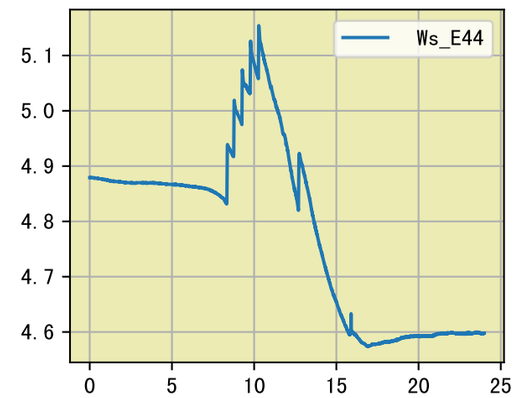

hour
8:15
8:45
9:15
9:45
12:10
13:15
14:25
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

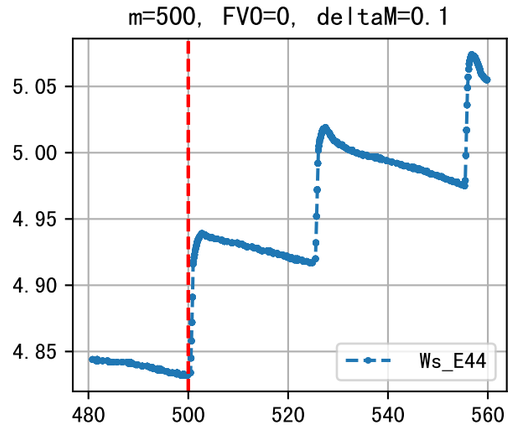
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:15	45	30.0	0.122	雾	假设 未知程序（预期回液 无）
08:45	45	30.0	0.122	雾	假设 未知程序（预期回液 无）
09:15	45	30.0	0.122	雾	假设 未知程序（预期回液 20 ml/株）
09:45	45	30.0	0.122	雾	假设 未知程序（预期回液 30 ml/株）
12:10	45	30.0	0.122	晴	假设 未知程序（预期回液 无）
13:15	45	30.0	0.122	晴	假设 未知程序（预期回液 无）
14:25	45	30.0	0.122	晴	假设 未知程序（预期回液 无）
总计	315.0 (7次)	210.0			建议进液EC：1900， PH：6.0

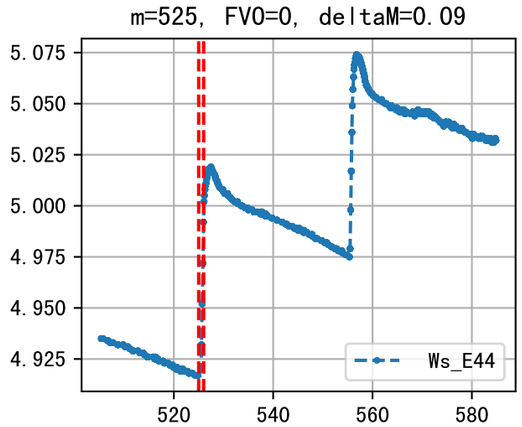
上次灌溉流速比过去5天平均大 (0.74 vs 0.61)，可能管道压力异常或有管道漏水
上次灌溉时长未按模型建议(30 vs 45.0))
默认实际灌溉20.0 ml.

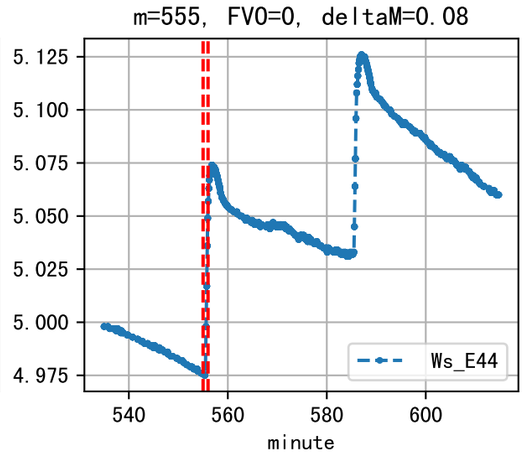
L1A3_3, Day=135.0 (2026-02-18)

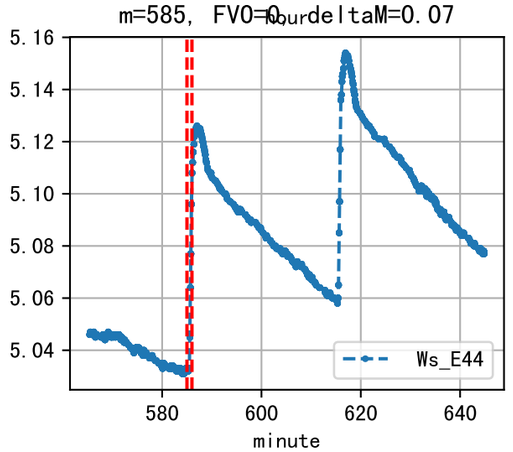


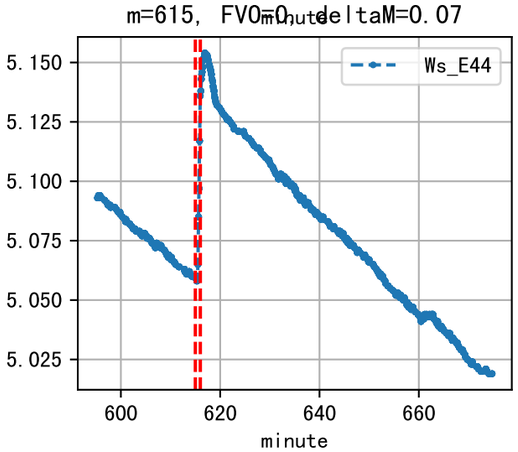

Ws_E44

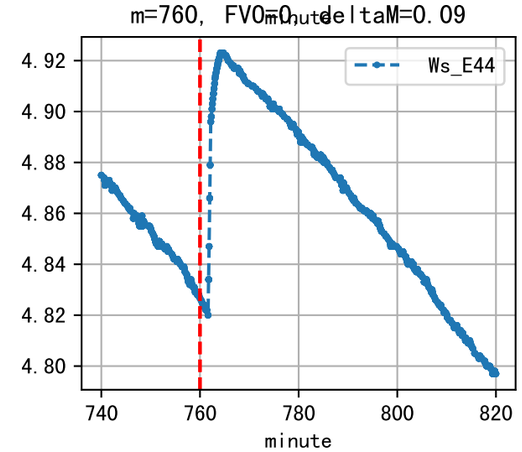

m=500, FV0=0, deltaM=0.1
Ws_E44

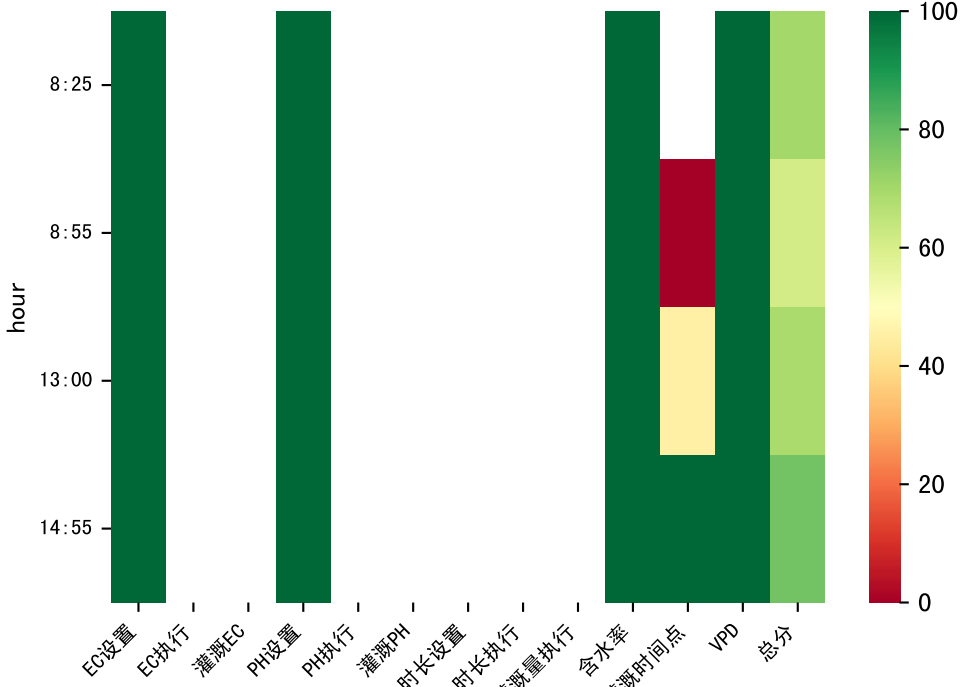

m=525, FV0=0, deltaM=0.09
Ws_E44


m=555, FV0=0, deltaM=0.08
Ws_E44
minute


m=585, FV0=0, deltaM=0.07
Ws_E44
minute


m=615, FV0=0, deltaM=0.07
Ws_E44
minute

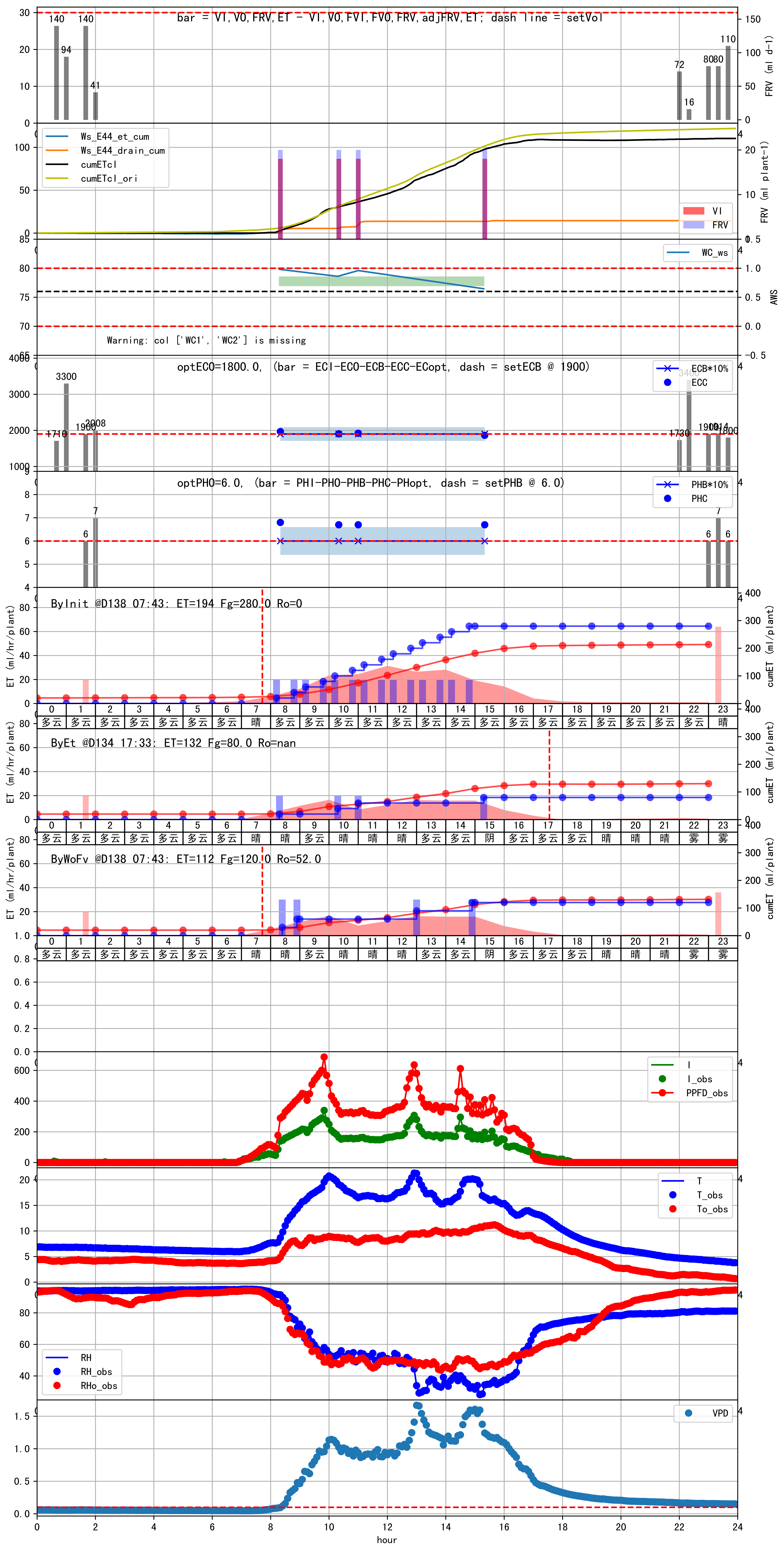

m=760, FV0=0, deltaM=0.09
Ws_E44
minute

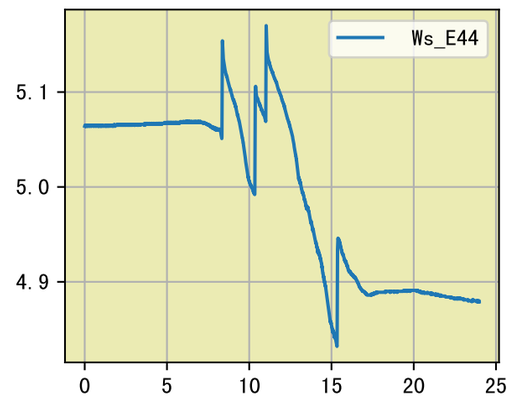

hour
8:25
8:55
13:00
14:55
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

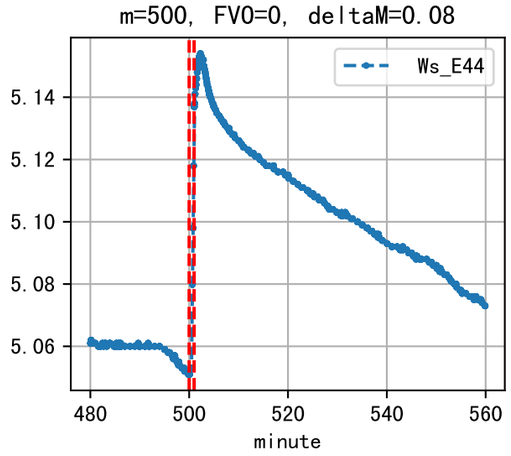
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:25	48	30.0	0.122	晴	假设 未知程序（预期回液 22 ml/株）
08:55	48	30.0	0.122	晴	假设 未知程序（预期回液 30 ml/株）
13:00	48	30.0	0.122	多云	假设 未知程序（预期回液 无）
14:55	48	30.0	0.122	多云	假设 未知程序（预期回液 无）
总计	192.0 (4次)	120.0			建议进液EC：1900， PH：6.0

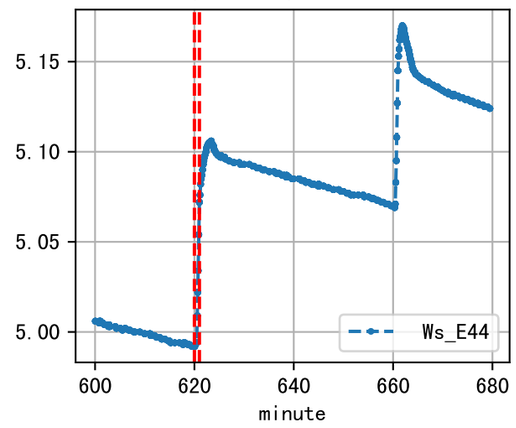
上次灌溉时长未按模型建议(32 vs 48.0))
默认实际灌溉20.0 ml.

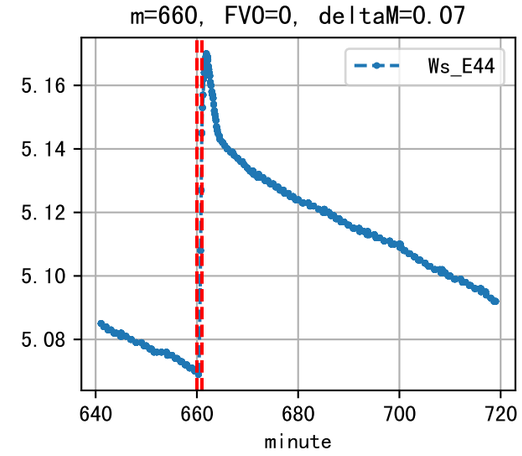
L1A3_3, Day=134.0 (2026-02-17)

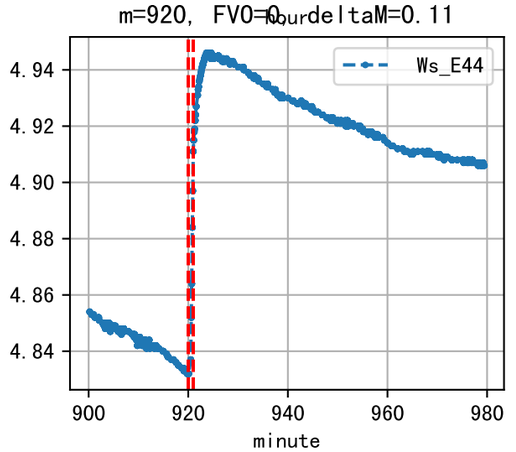



Ws_E44
5.1
5.0
4.9
0
5
10
15
20
25


m=500, FV0=0, deltaM=0.08
Ws_E44
5.14
5.12
5.10
5.08
5.06
480
500
520
540
560
minute


m=620, FV0=0, deltaM=0.11
Ws_E44
5.15
5.10
5.05
5.00
600
620
640
660
680
minute


m=660, FV0=0, deltaM=0.07
Ws_E44
5.16
5.14
5.12
5.10
5.08
640
660
680
700
720
minute


m=920, FV0=0, deltaM=0.11
Ws_E44
4.94
4.92
4.90
4.88
4.86
4.84
900
920
940
960
980
minute