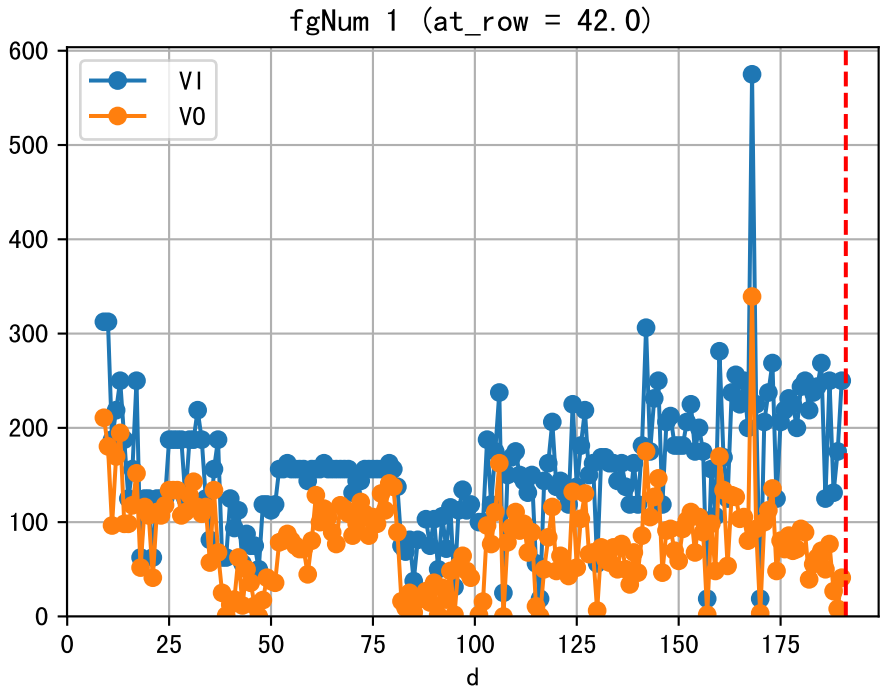
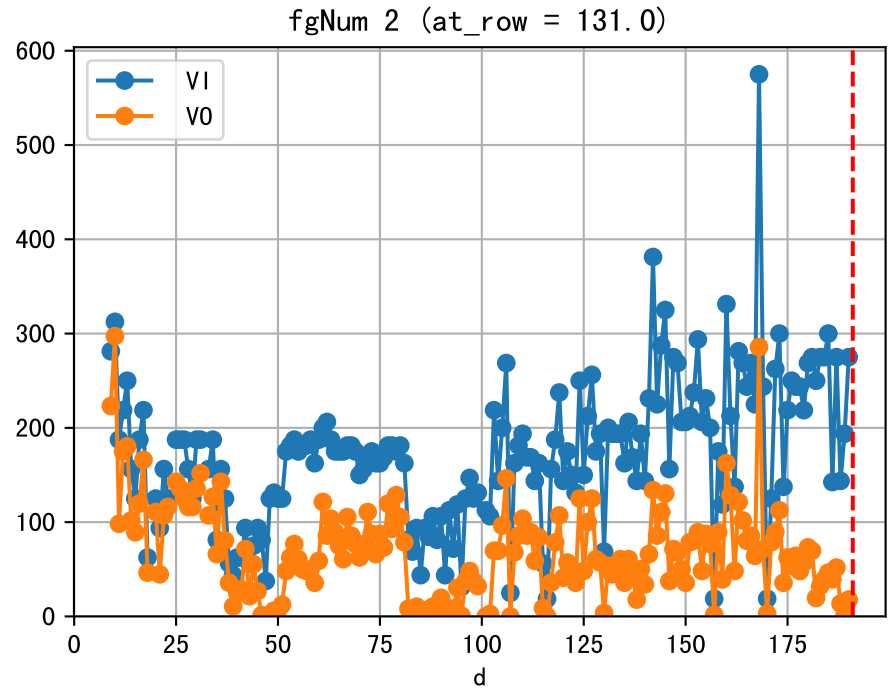
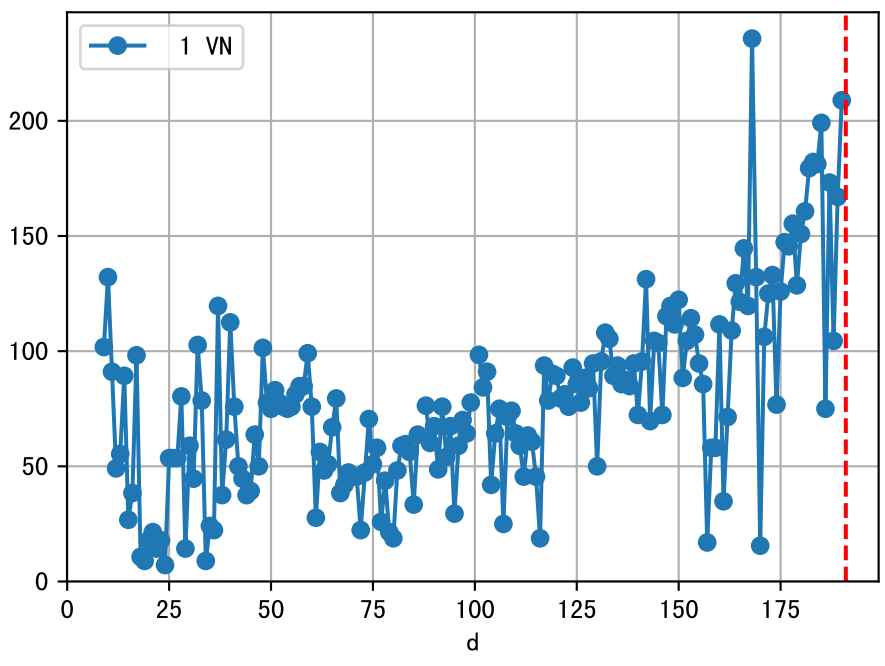
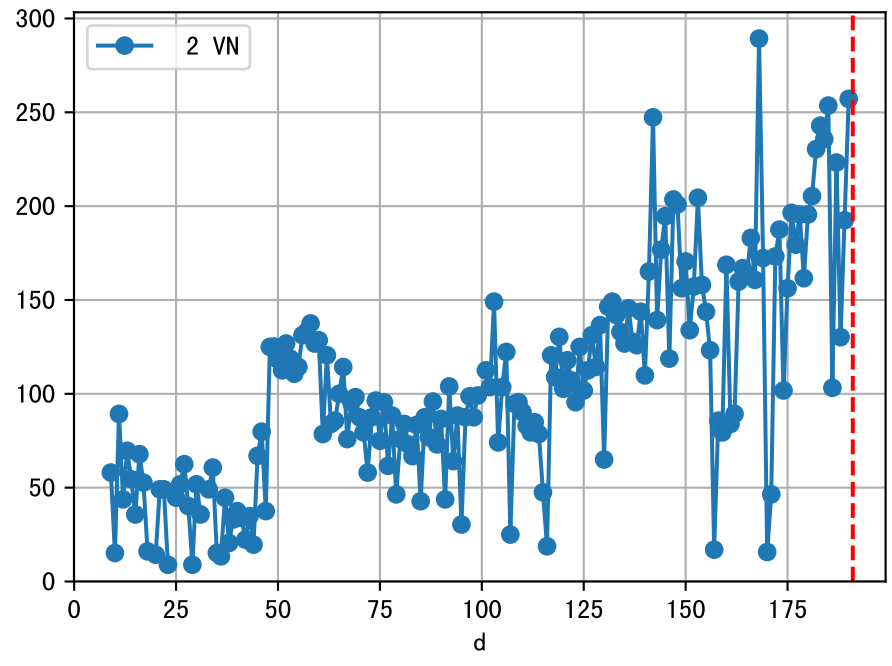
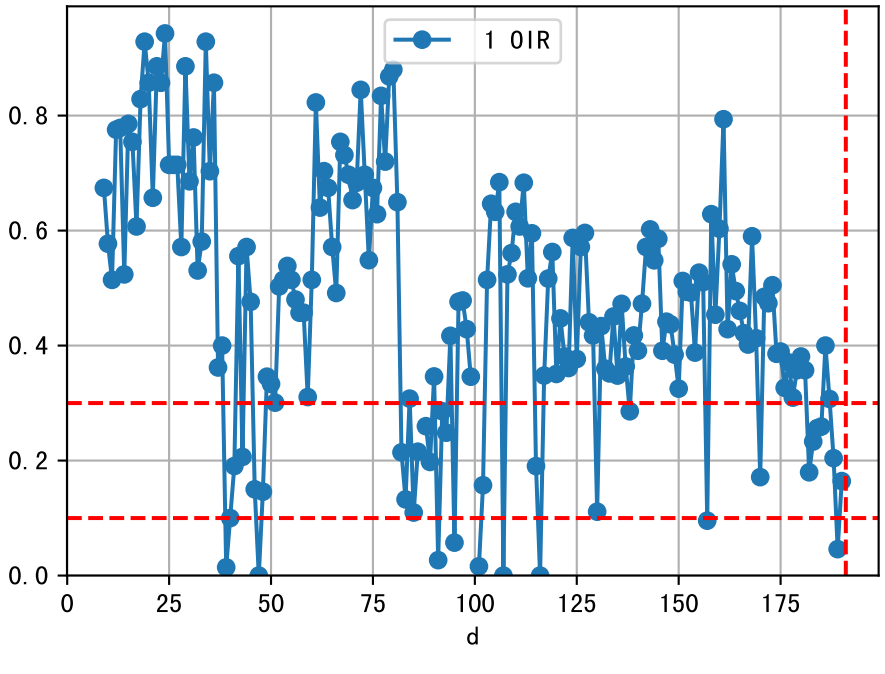
FgArea: ['0']
NC11 P1
2026-04-03 (Day 191)

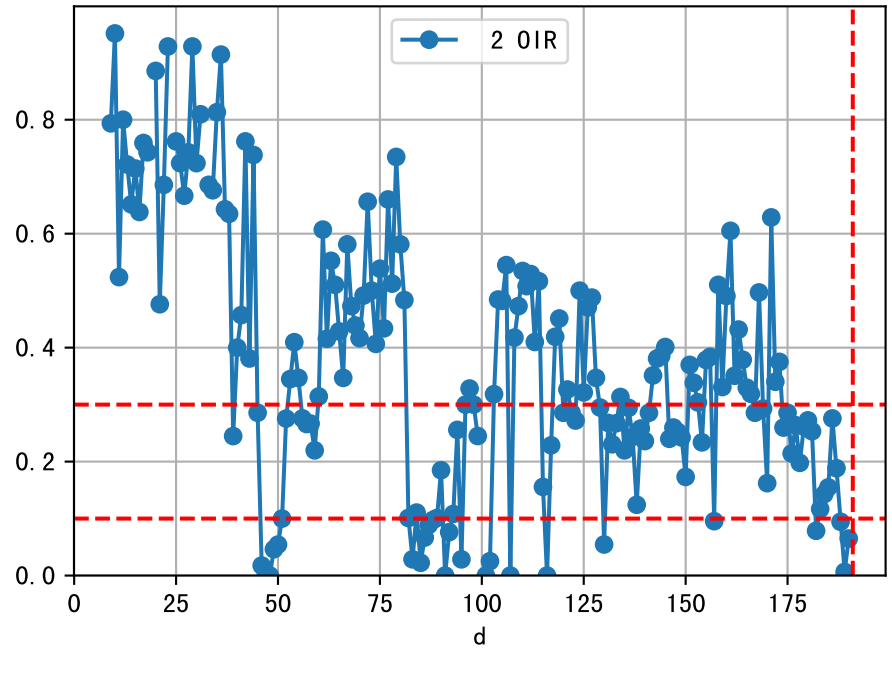

fgNum 1 (at_row = 42.0)
VI
VO
d

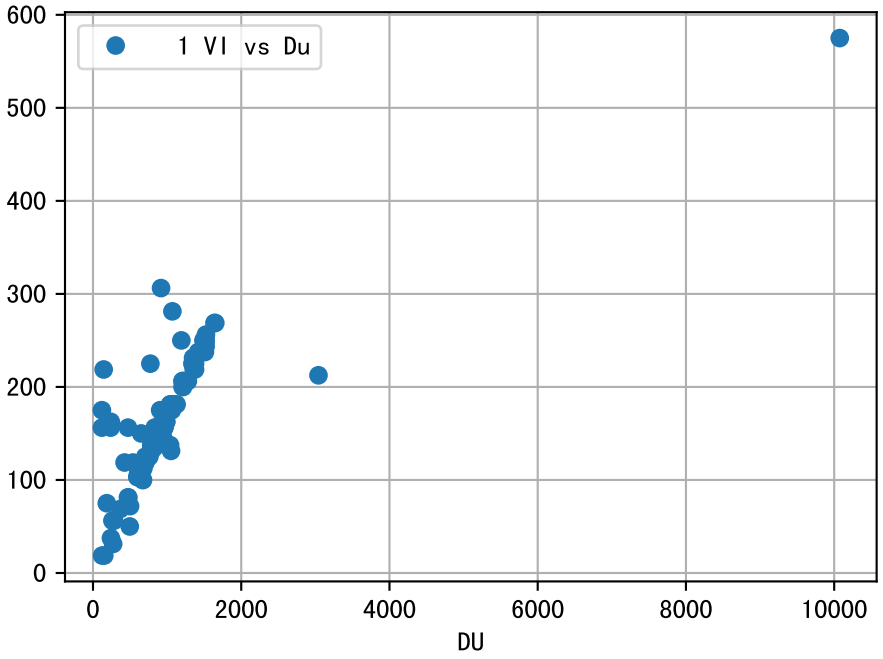

fgNum 2 (at_row = 131.0)
VI
VO
d

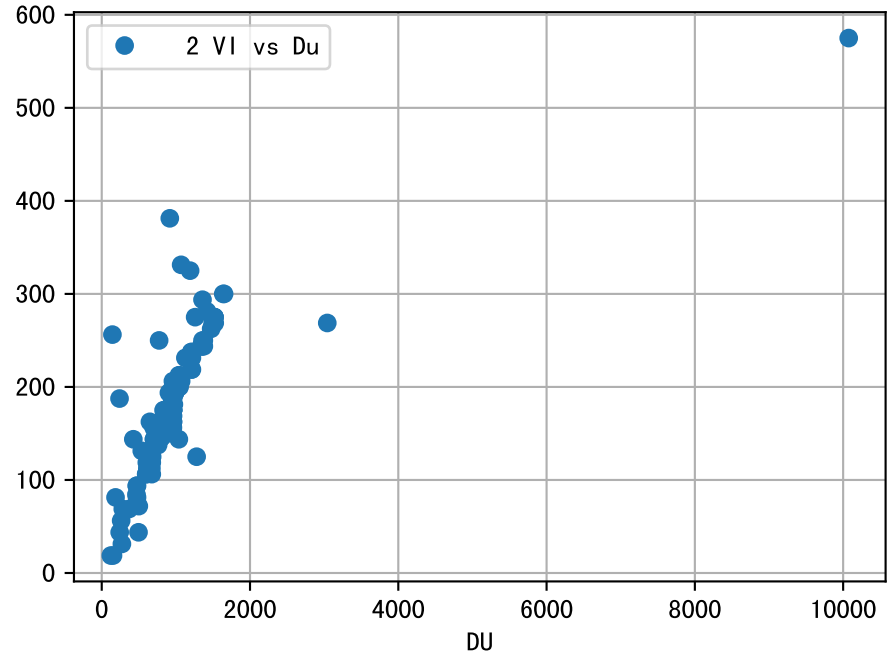

1 VN
d

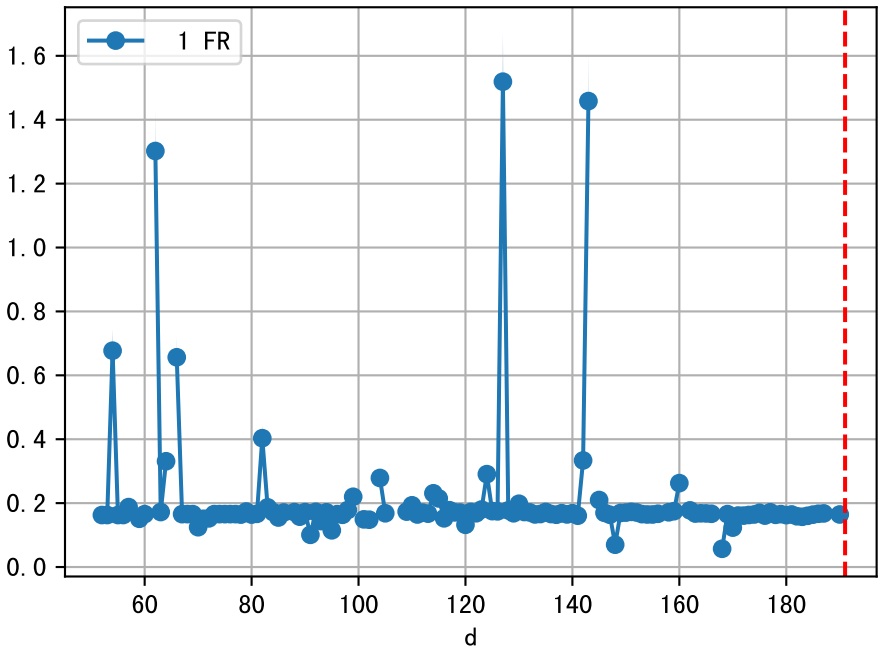

2 VN
d

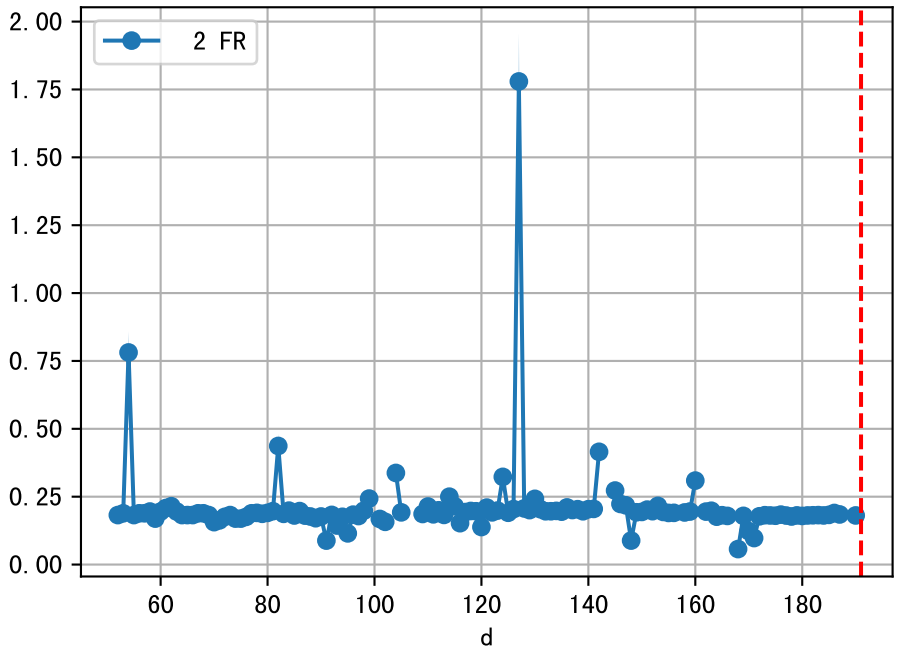

1 OIR
d

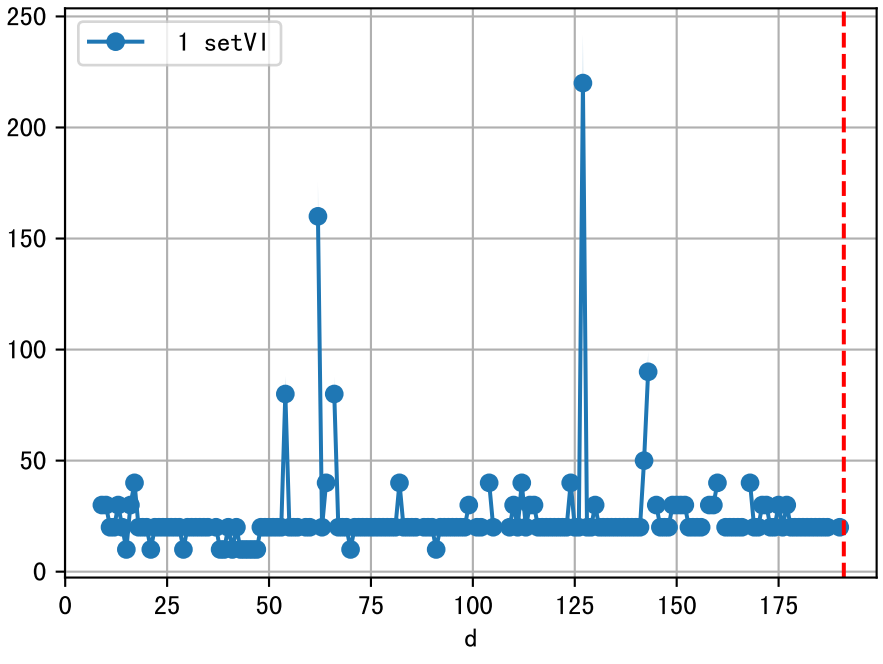

2 OIR
d

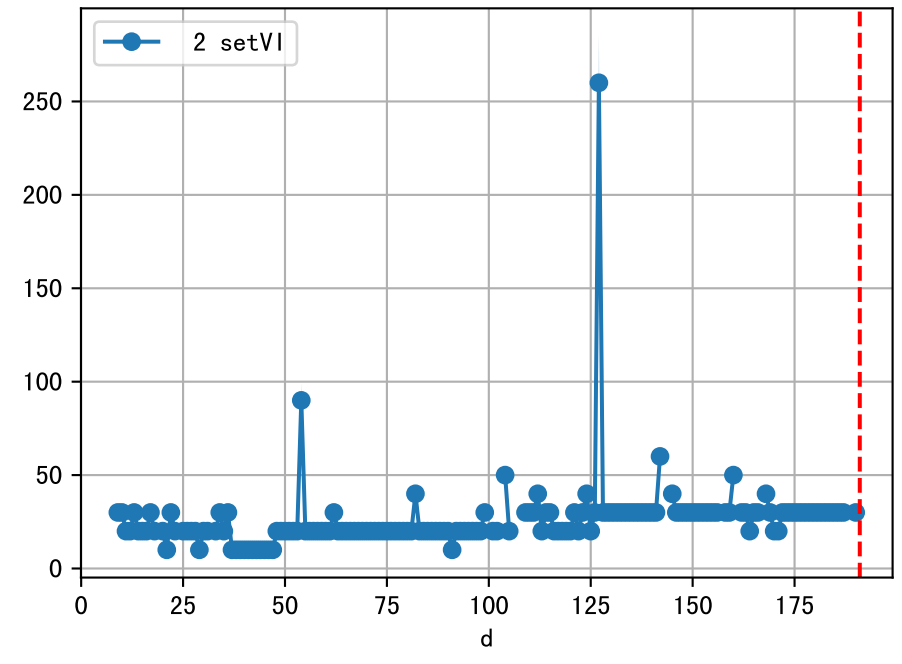

1 VI vs Du
DU

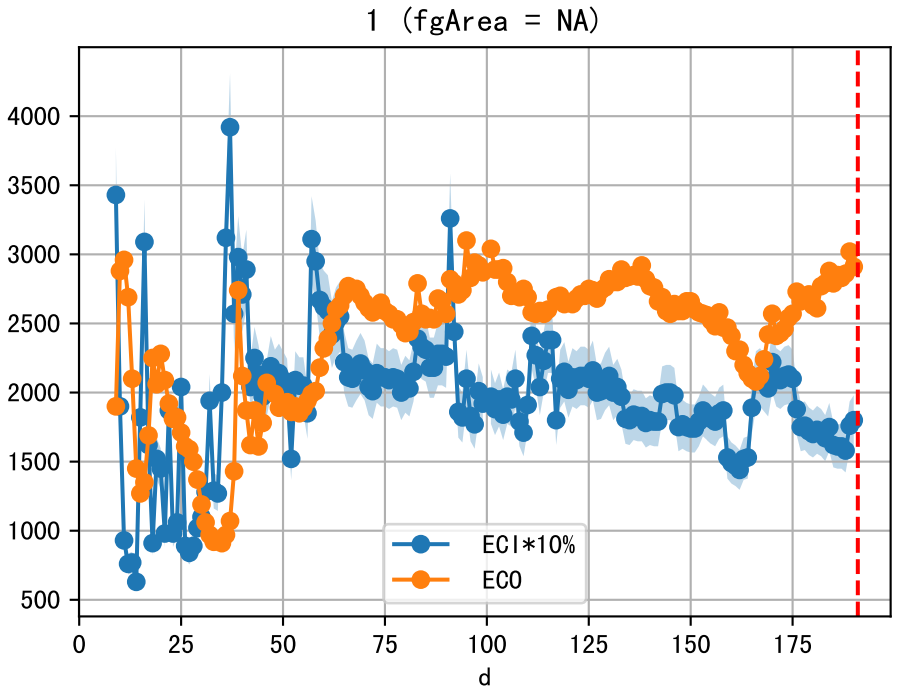

2 VI vs Du
DU

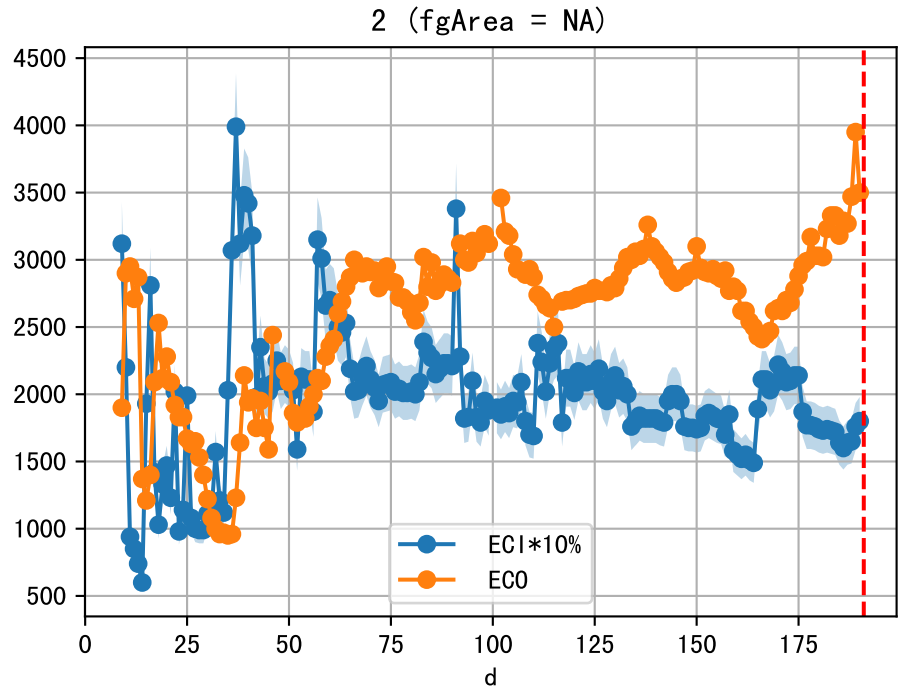

1 FR
d

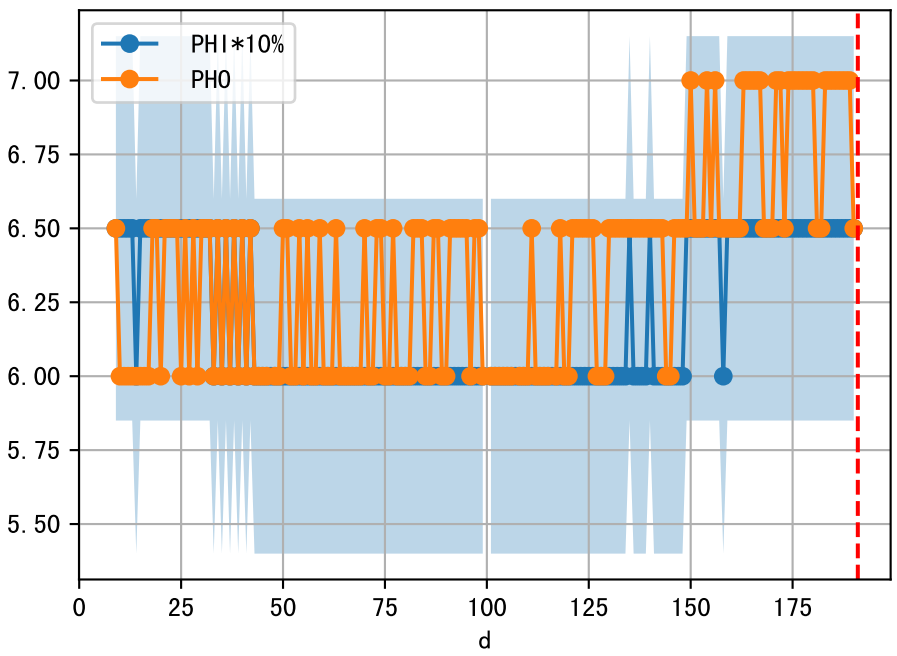

2 FR
d

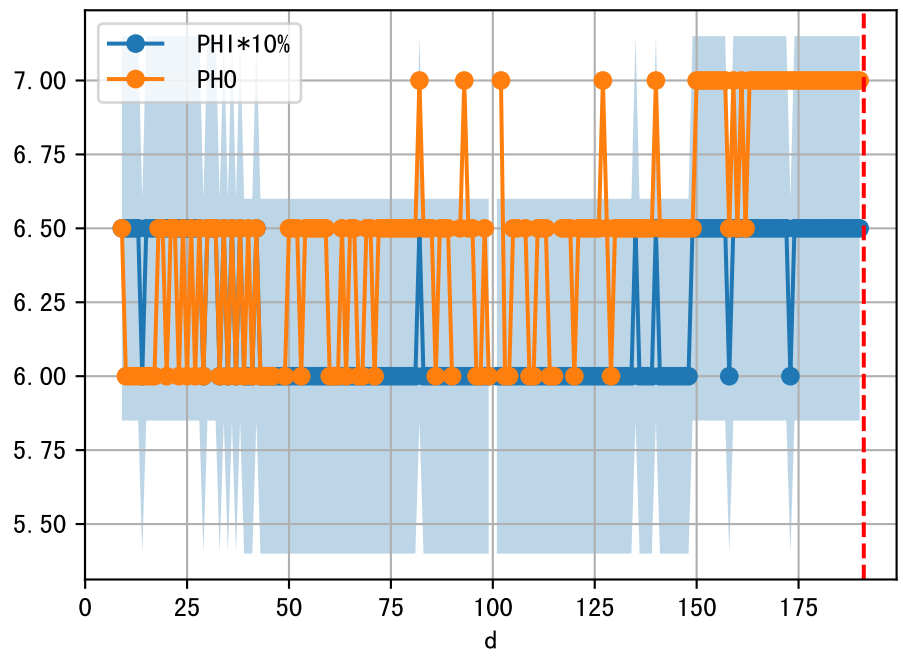

1 setVI
d

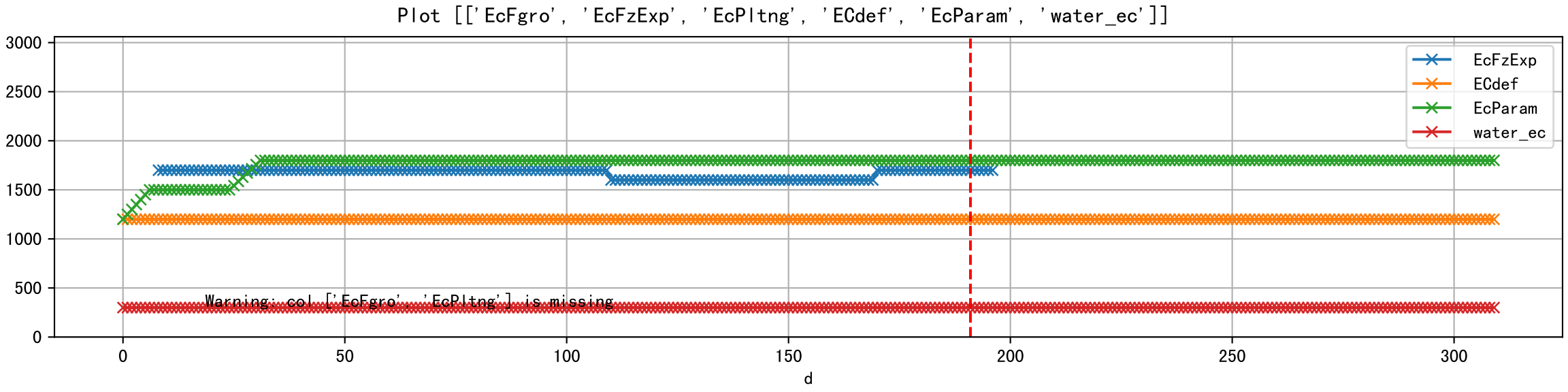

2 setVI
d

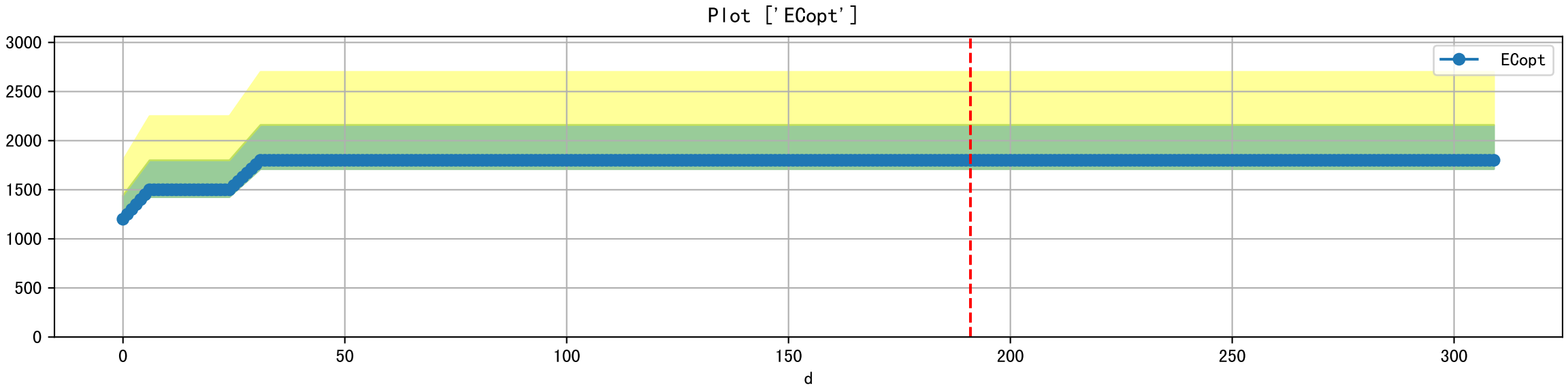

1 (fgArea = NA)
4000
3500
3000
2500
2000
1500
1000
500
ECI*10%
ECO
0
25
50
75
100
125
150
175
d

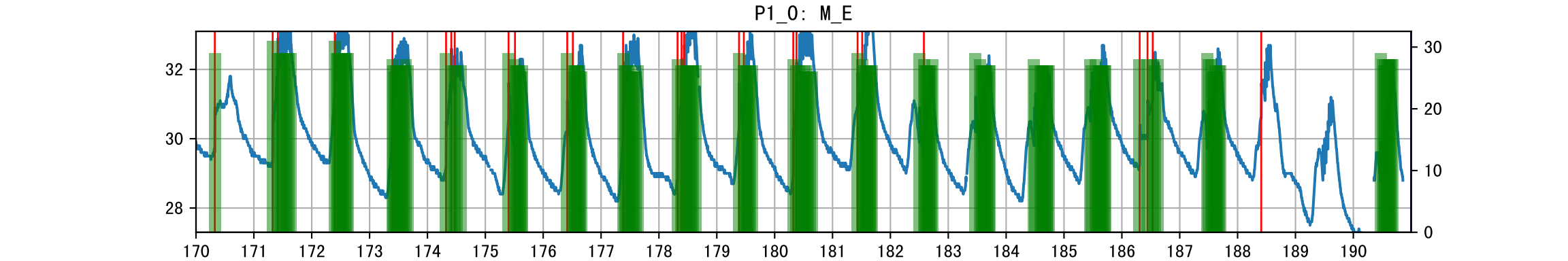

2 (fgArea = NA)
4500
4000
3500
3000
2500
2000
1500
1000
500
ECI*10%
ECO
0
25
50
75
100
125
150
175
d

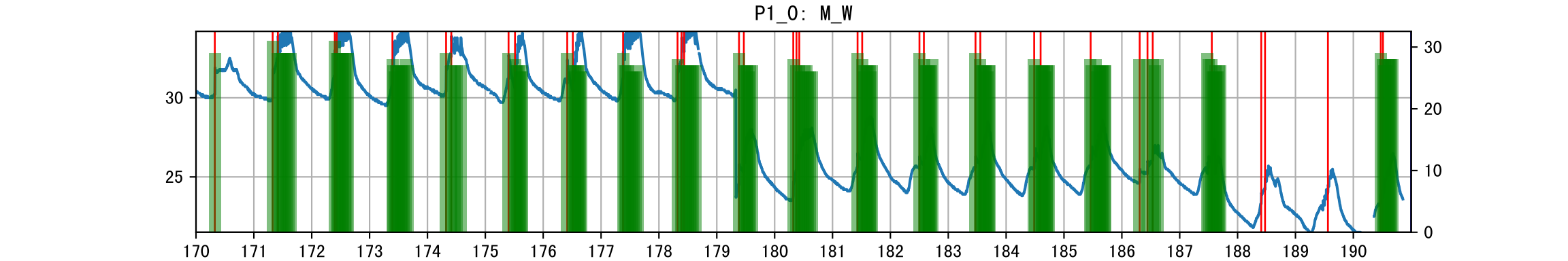

PHI*10%
PHO
7.00
6.75
6.50
6.25
6.00
5.75
5.50
0
25
50
75
100
125
150
175
d

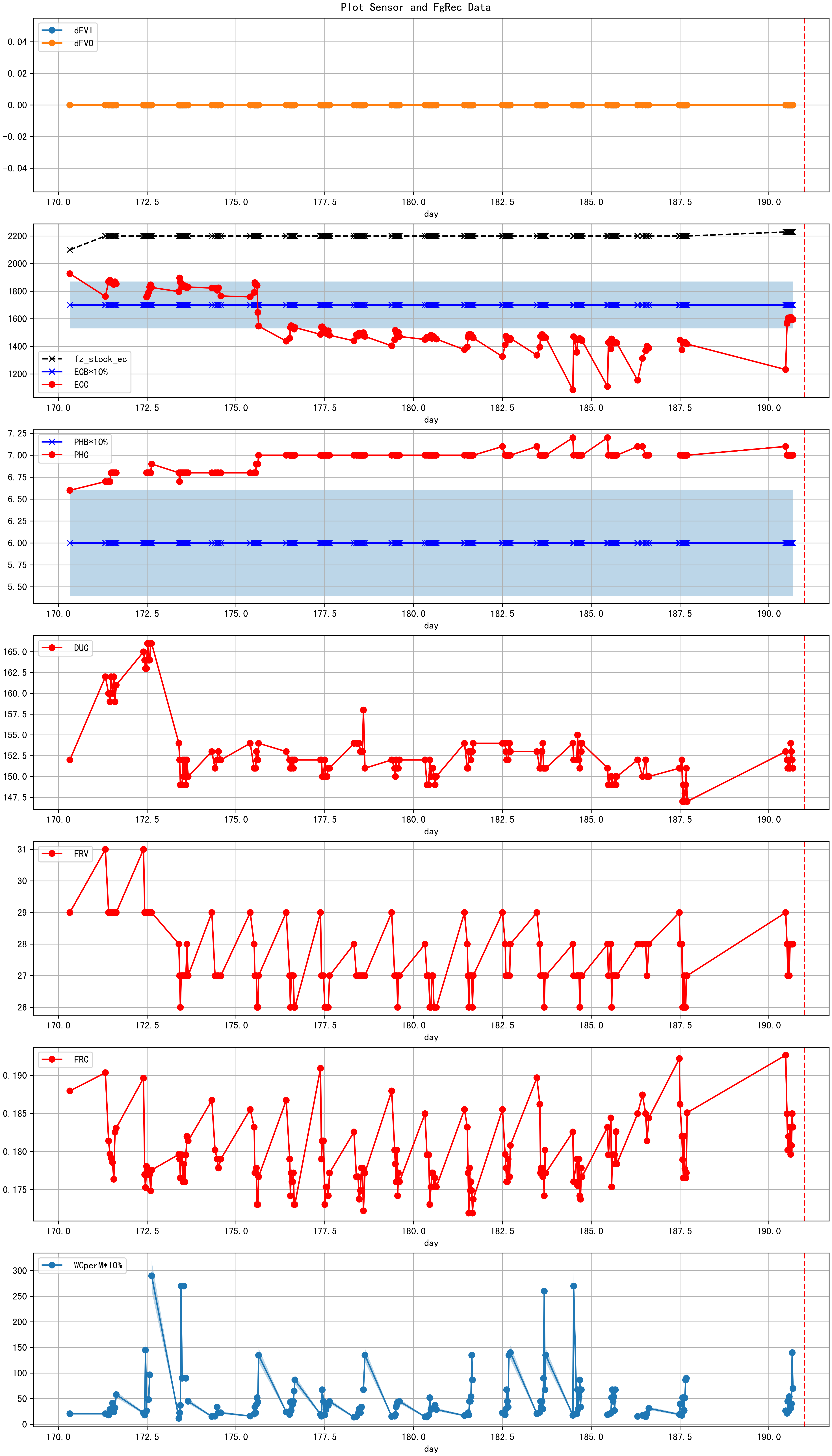

PHI*10%
PHO
7.00
6.75
6.50
6.25
6.00
5.75
5.50
0
25
50
75
100
125
150
175
d


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
250
300
d

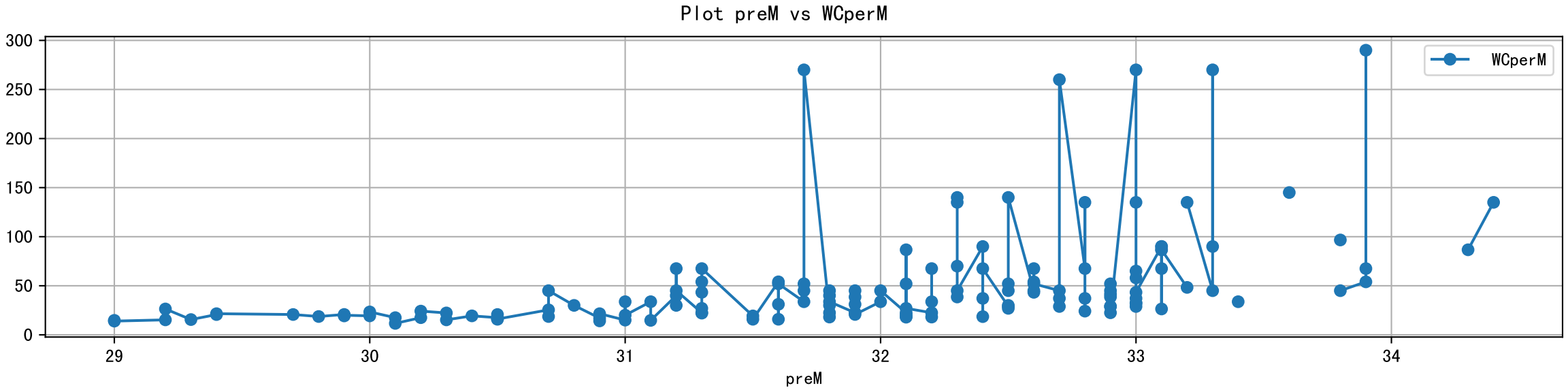

Plot ['ECopt']
ECopt
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
250
300
d

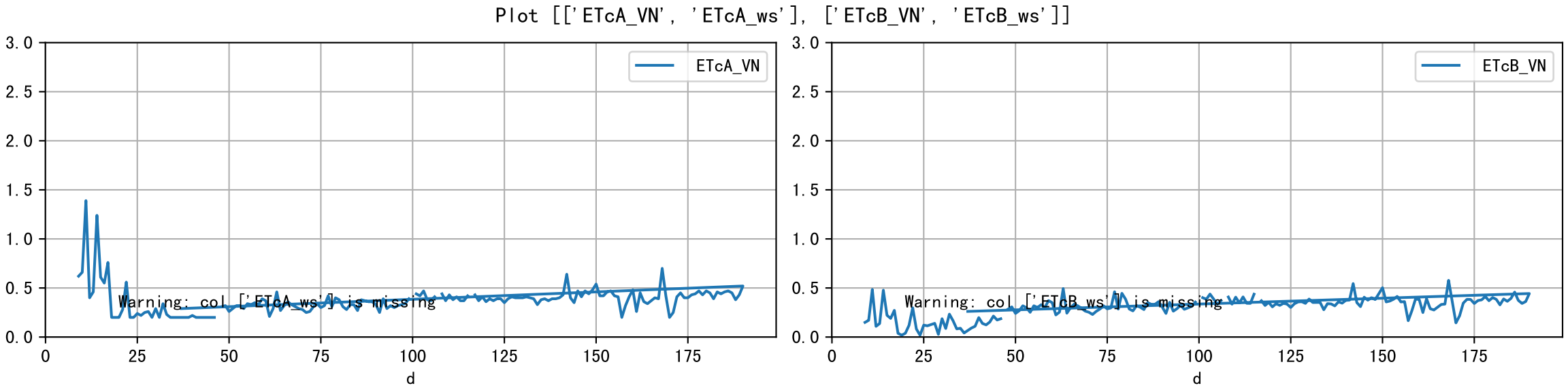

P1_0: M_E
32
30
28
30
20
10
0
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190

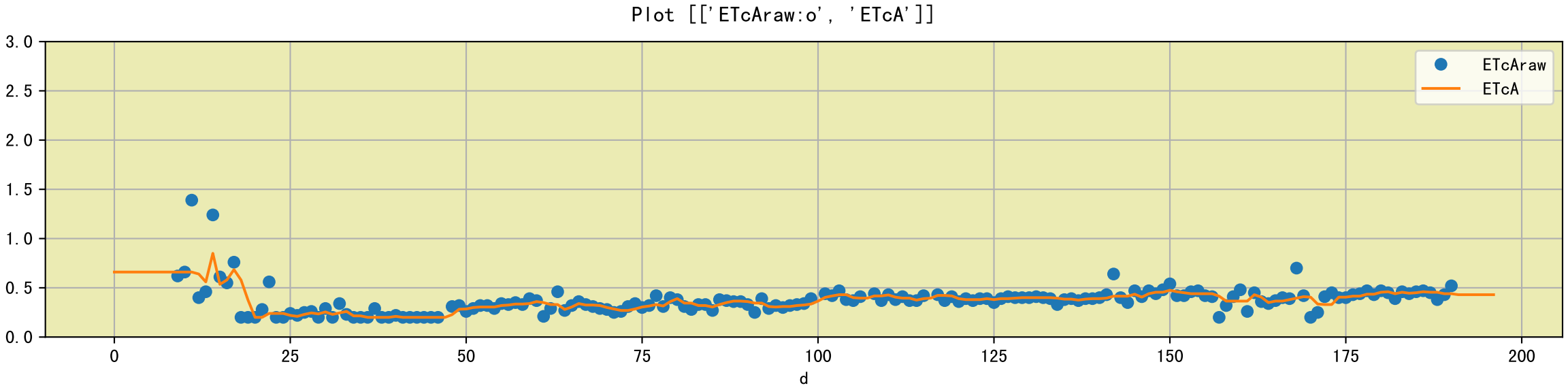

P1_O: M_W
30
25
30
20
10
0
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190

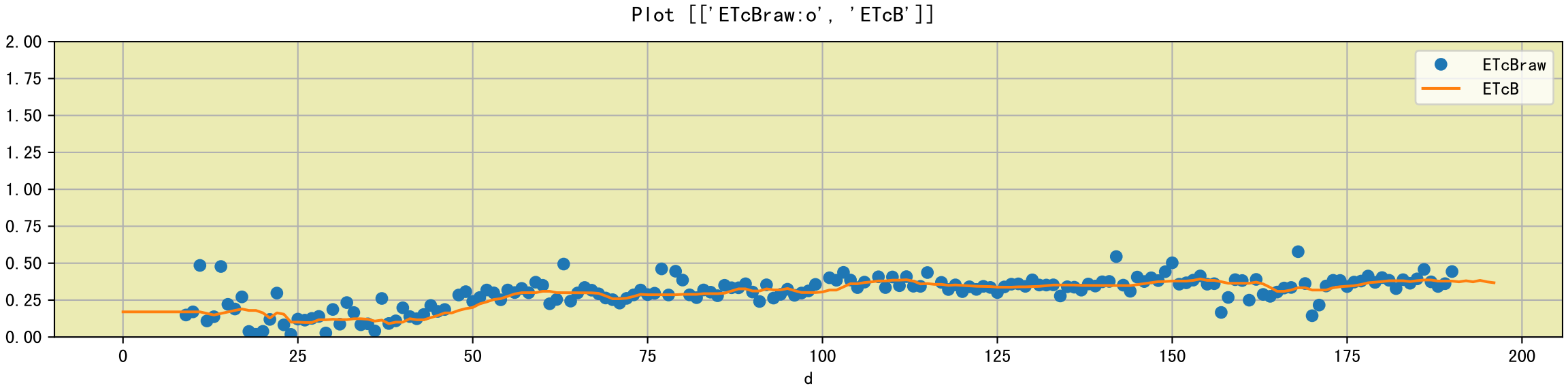


Plot Sensor and FgRec Data
dFVI
dFVO
fz_stock_ec
ECB*10%
ECC
PHB*10%
PHC
DUC
FRV
FRC
WCperM*10%
day

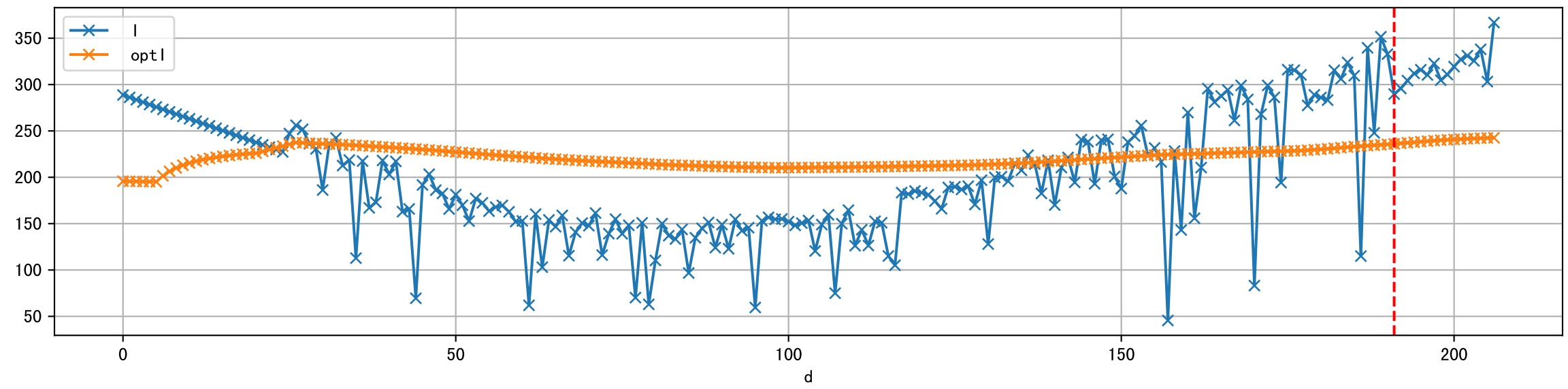

Plot preM vs WCperM
WCperM
300
250
200
150
100
50
0
29
30
31
32
33
34
preM

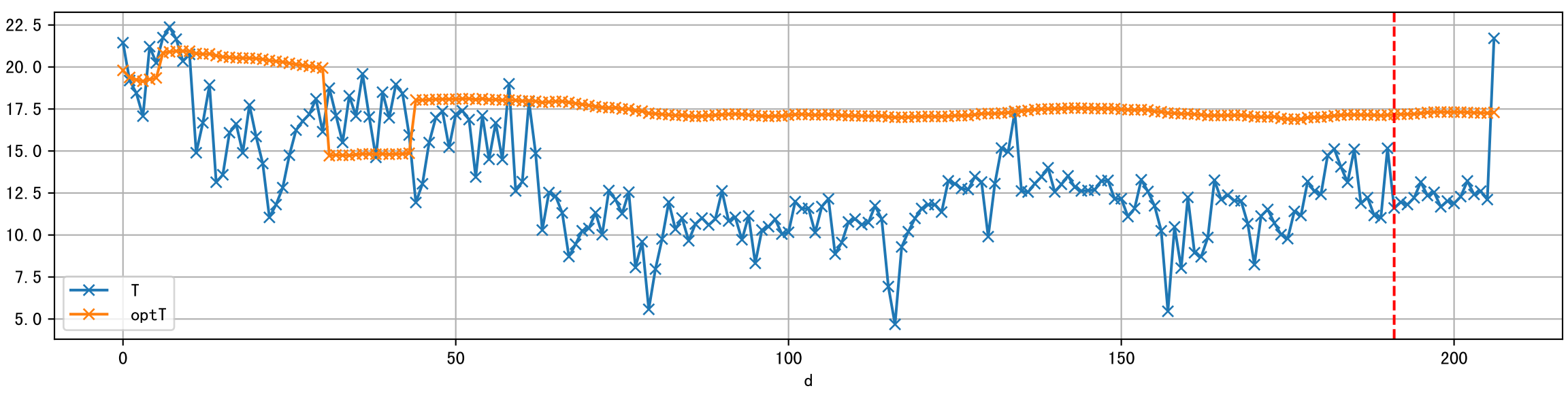

Plot [['ETcA_VN', 'ETcA_ws'], ['ETcB_VN', 'ETcB_ws']]
ETcA_VN
Warning: col ['ETcA_ws'] is missing
ETcB_VN
Warning: col ['ETcB_ws'] is missing
d
d

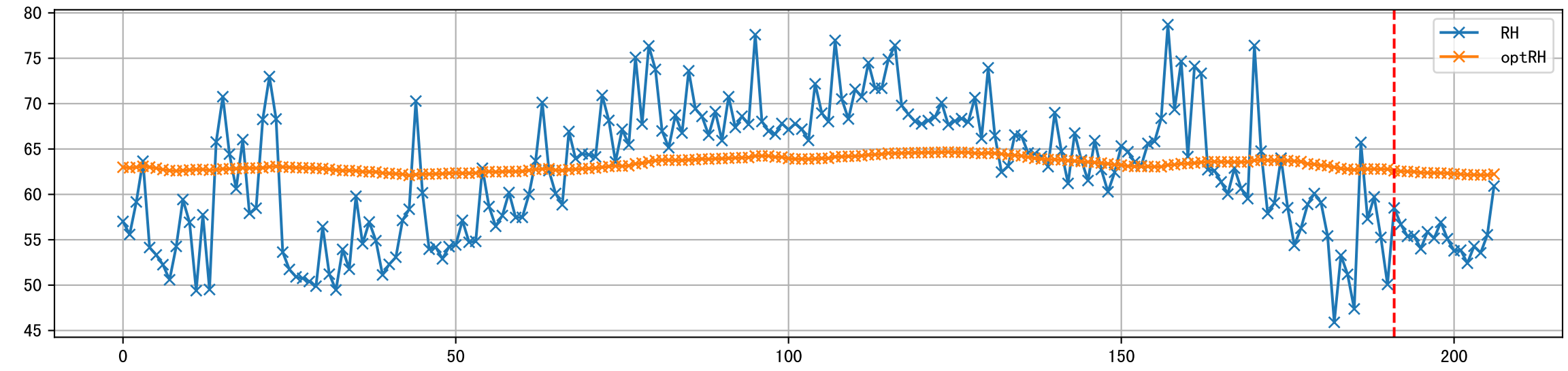

Plot [['ETcAraw:o', 'ETcA']]
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0
25
50
75
100
125
150
175
200
d
ETcAraw
ETcA

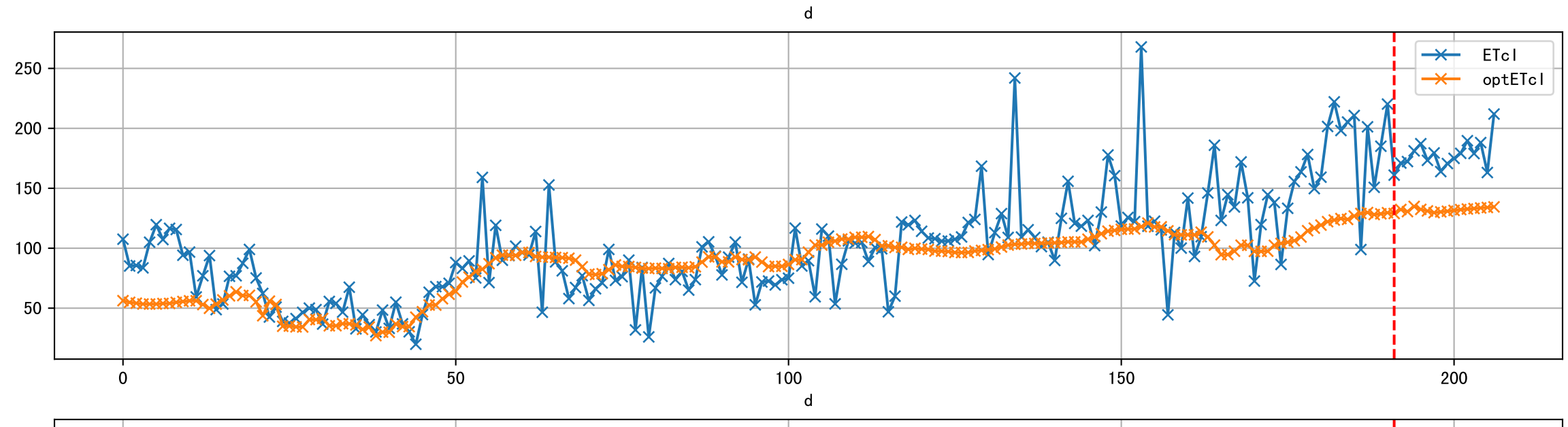

Plot [['ETcBraw:o', 'ETcB']]
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
0
25
50
75
100
125
150
175
200
d
ETcBraw
ETcB

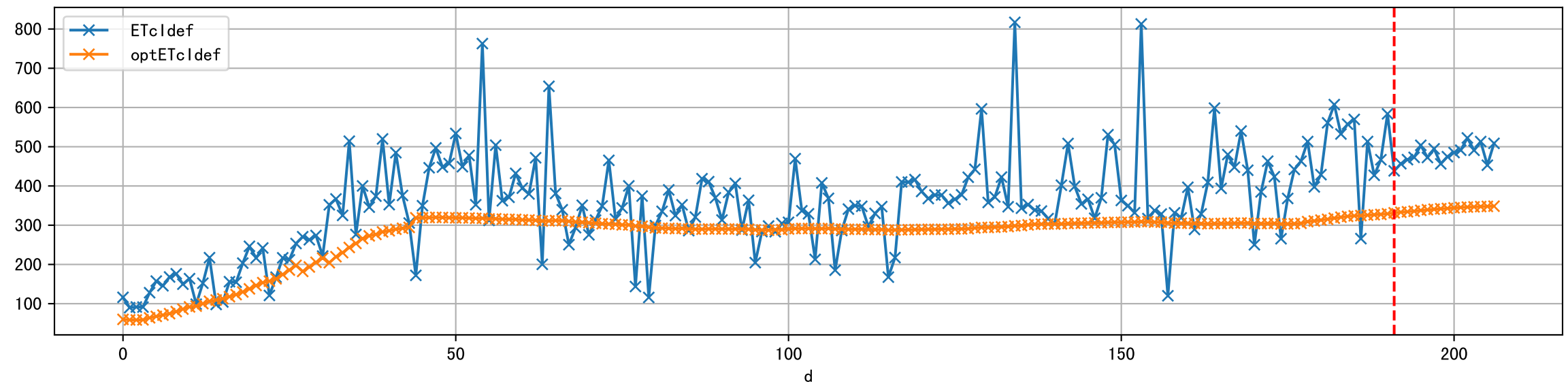
I'], ['T', 'optT'], ['RH', 'optRH'], ['ETcI', 'optETcI'], ['ETcIdef', 'optETcIdef'], ['ETo', 'optETo'], 'LAI', ['optEtRate', 'optEtRateDef', '

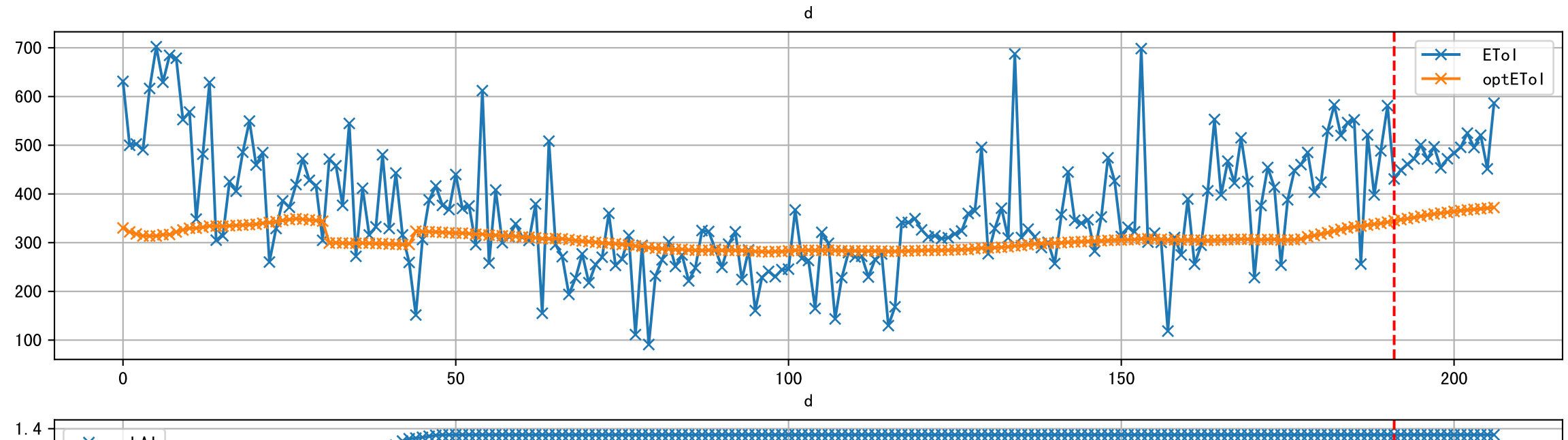


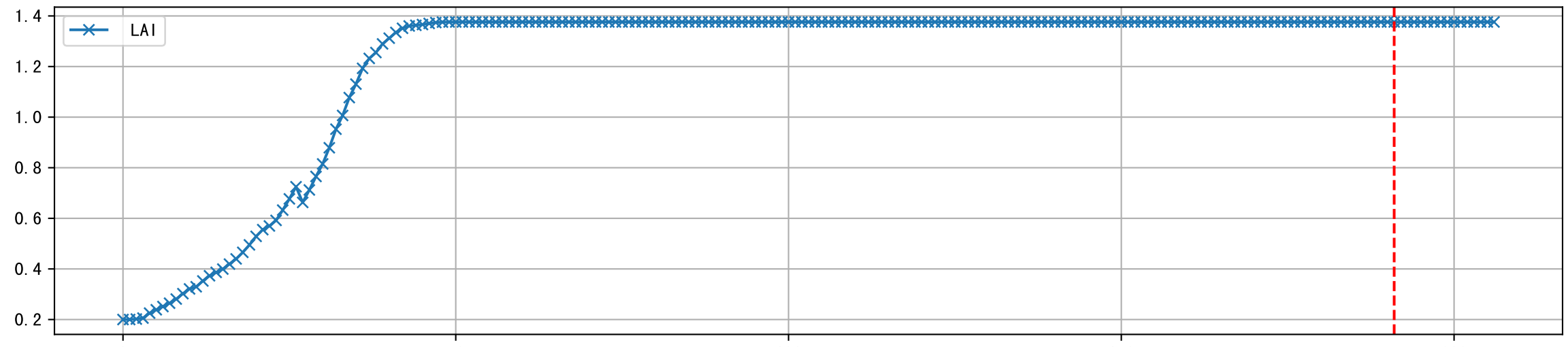


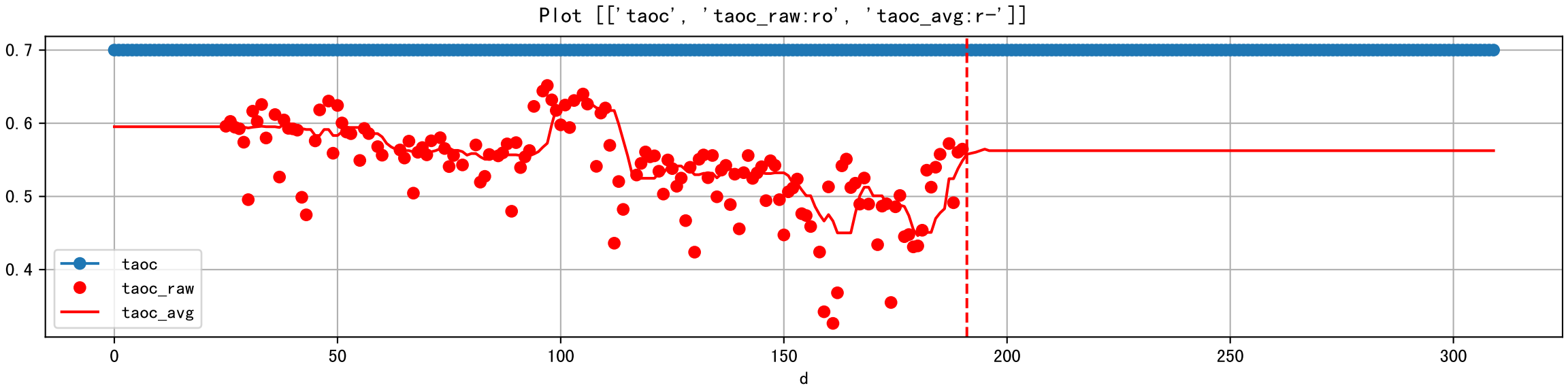


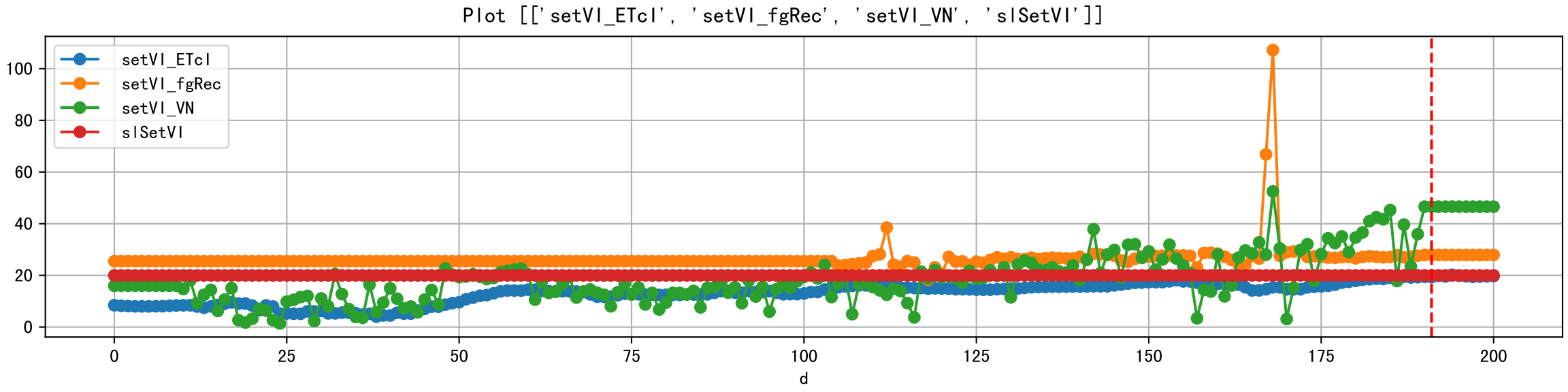


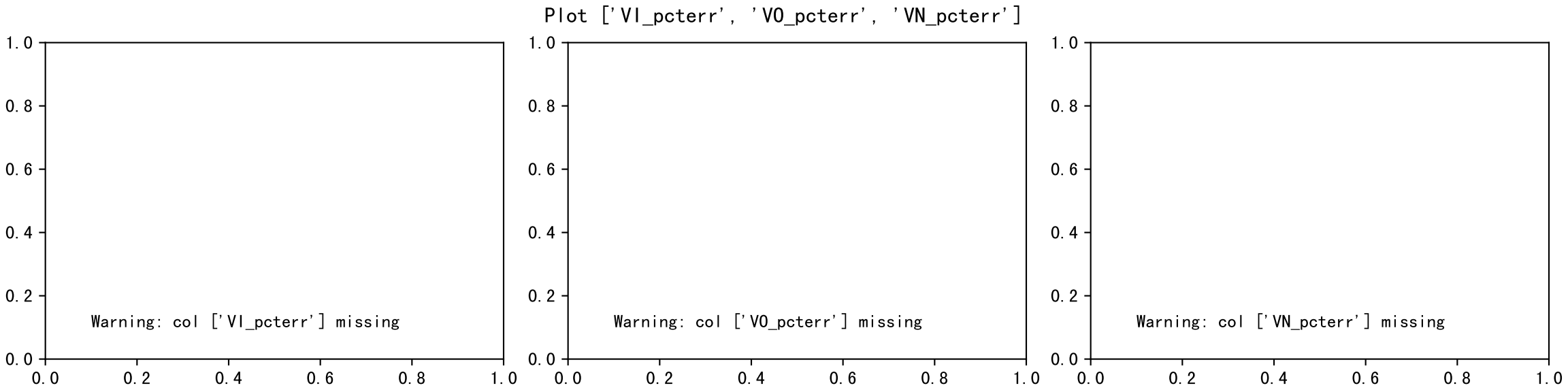


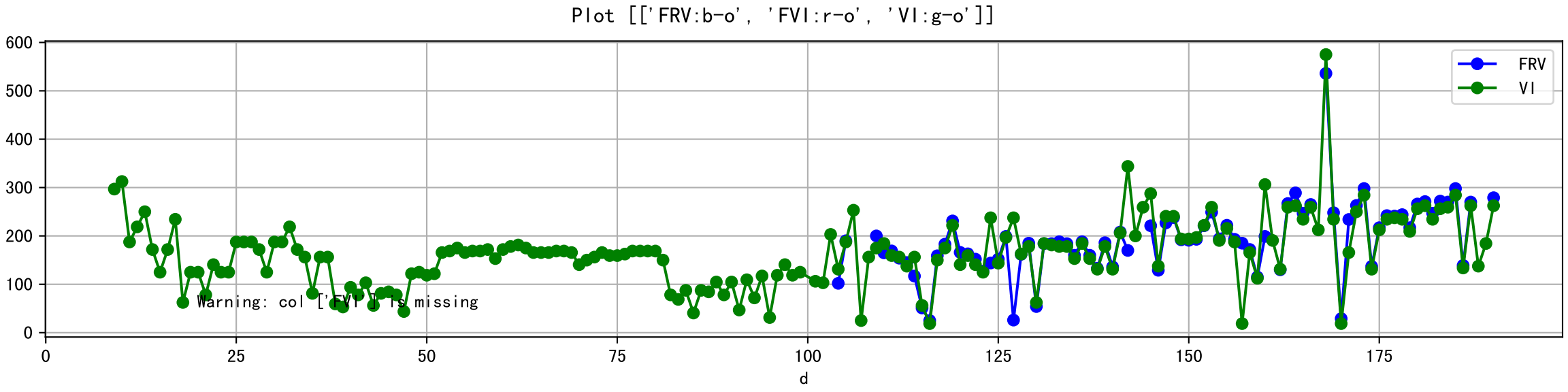


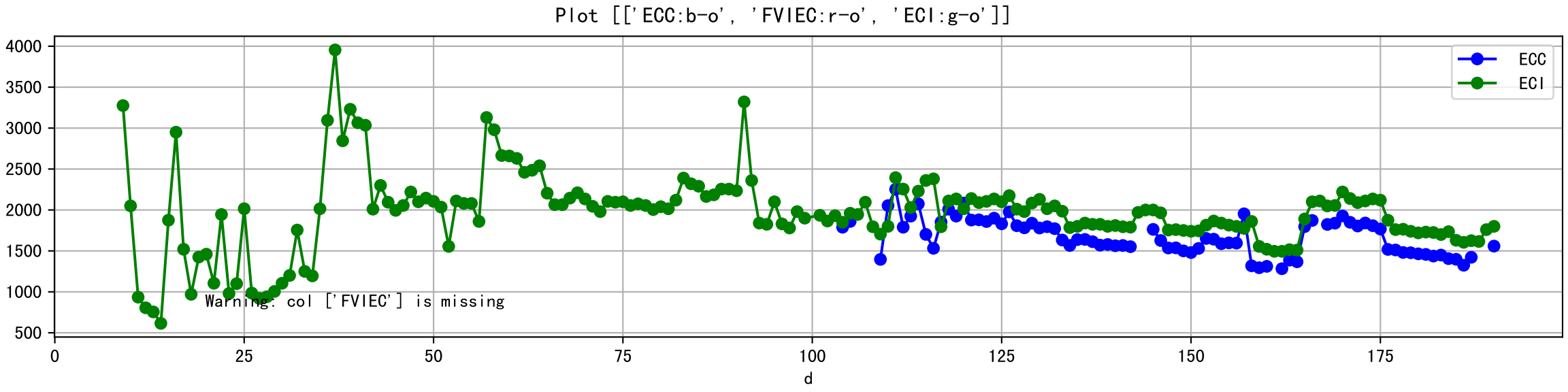


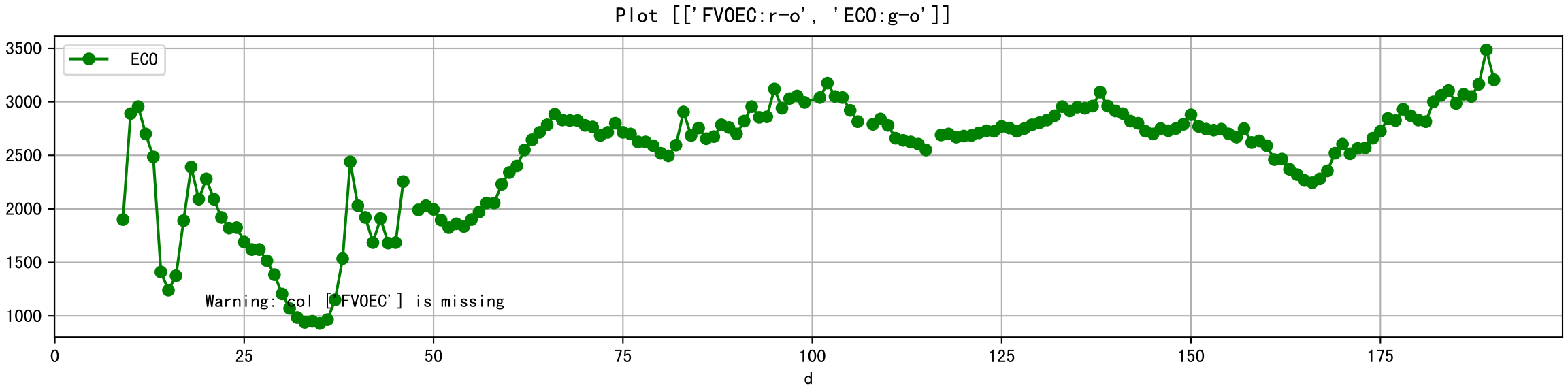

Plot [['taoc', 'taoc_raw:ro', 'taoc_avg:r-']]
0.7
0.6
0.5
0.4
taoc
taoc_raw
taoc_avg
0
50
100
150
200
250
300
d

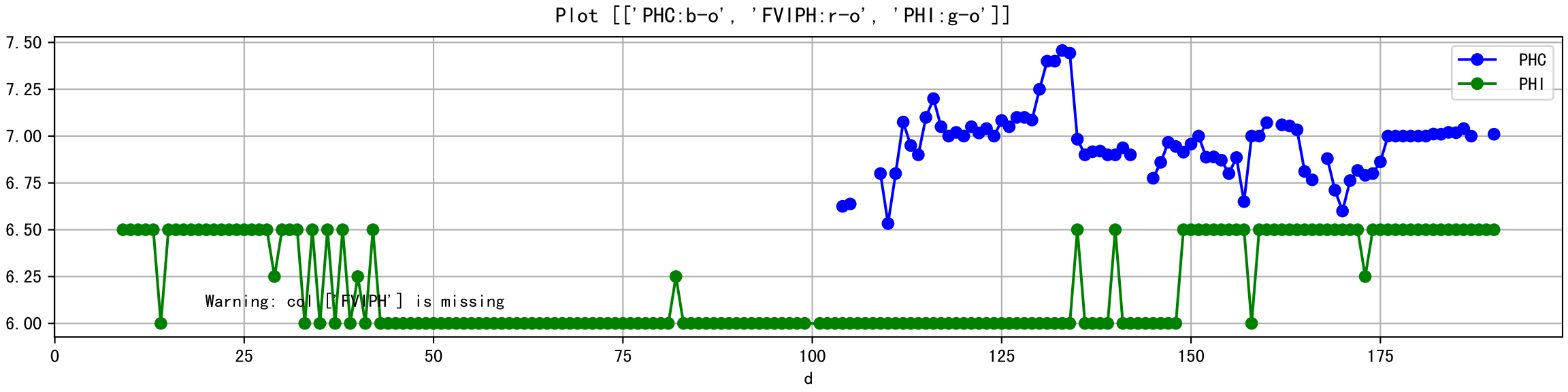

Plot [['setVI_ETcl', 'setVI_fgRec', 'setVI_VN', 'slSetVI']]
setVI_ETcl
setVI_fgRec
setVI_VN
slSetVI
0
20
40
60
80
100
0
25
50
75
100
125
150
175
200
d

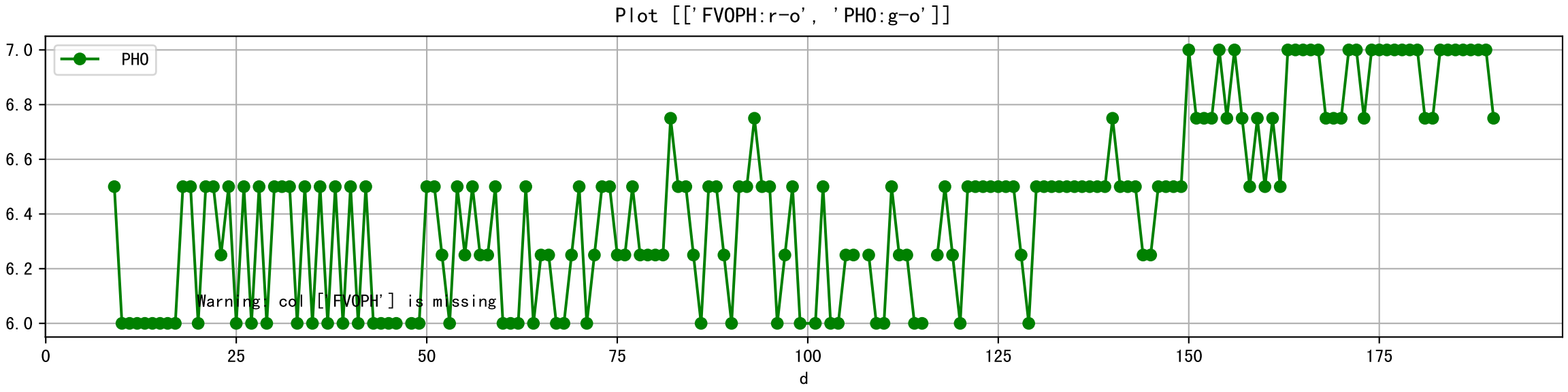

Plot ['VI_pcterr', 'VO_pcterr', 'VN_pcterr']
Warning: col ['VI_pcterr'] missing
Warning: col ['VO_pcterr'] missing
Warning: col ['VN_pcterr'] missing
0.0
0.2
0.4
0.6
0.8
1.0

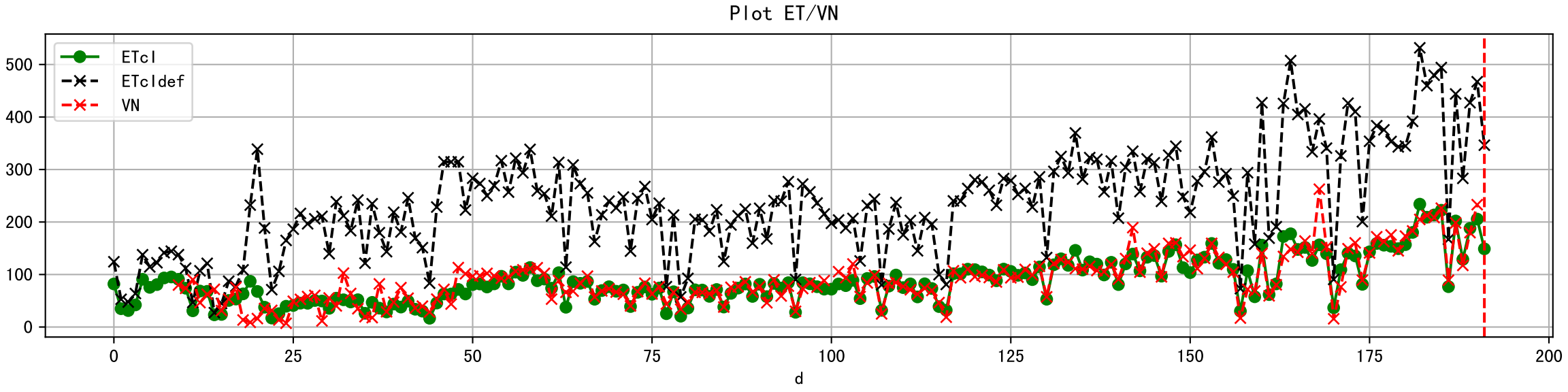

Plot [['FRV:b-o', 'FVI:r-o', 'VI:g-o']]
FRV
VI
Warning: col ['FVI'] is missing
600
500
400
300
200
100
0
0
25
50
75
100
125
150
175
d

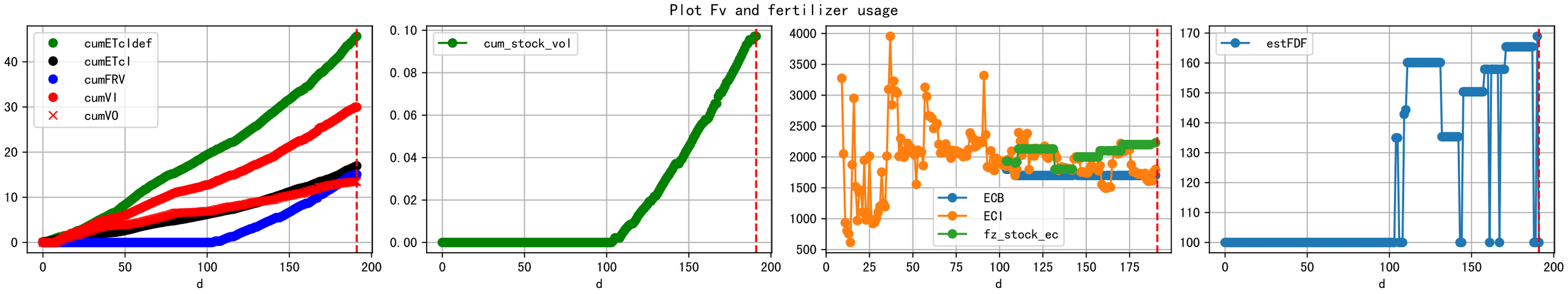

Plot [['ECC:b-o', 'FVIEC:r-o', 'ECI:g-o']]
ECC
ECI
Warning: col ['FVIEC'] is missing
4000
3500
3000
2500
2000
1500
1000
500
0
25
50
75
100
125
150
175
d

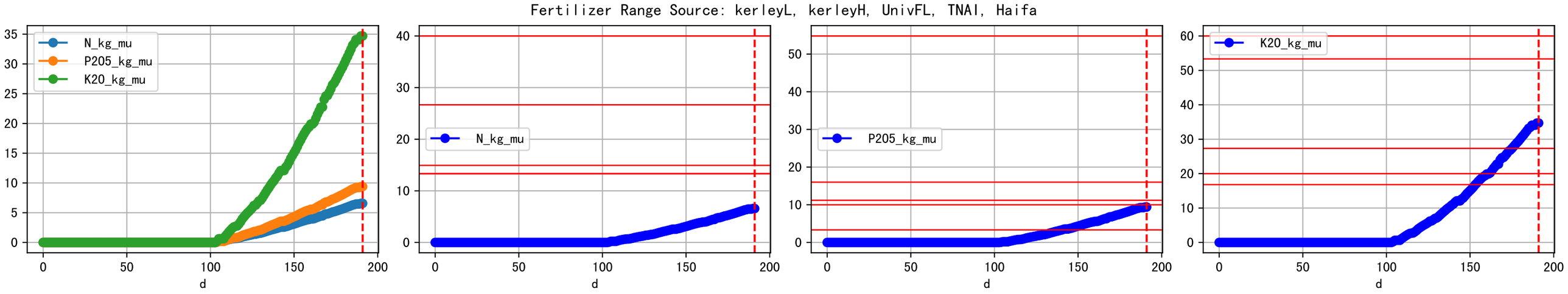

Plot [['FVOEC:r-o', 'ECO:g-o']]
ECO
Warning: col ['FVOEC'] is missing
3500
3000
2500
2000
1500
1000
0
25
50
75
100
125
150
175
d

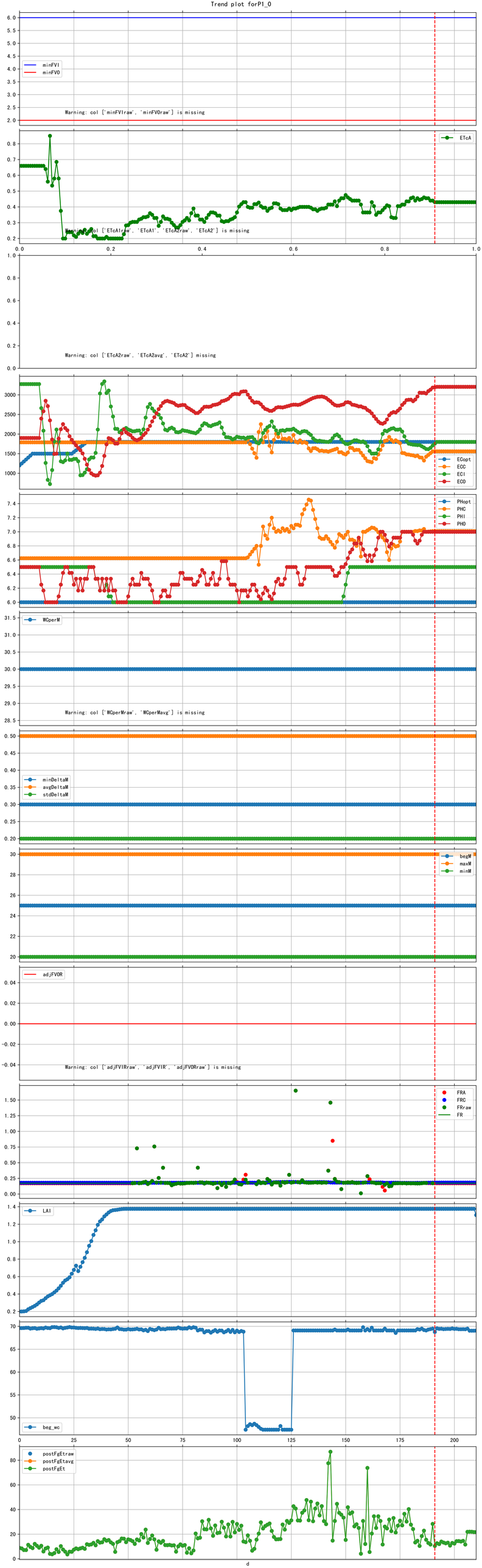

Plot [['PHC:b-o', 'FVIPH:r-o', 'PHI:g-o']]
7.50
7.25
7.00
6.75
6.50
6.25
6.00
0
25
50
75
100
125
150
175
d
PHC
PHI
Warning: col ['FVIPH'] is missing

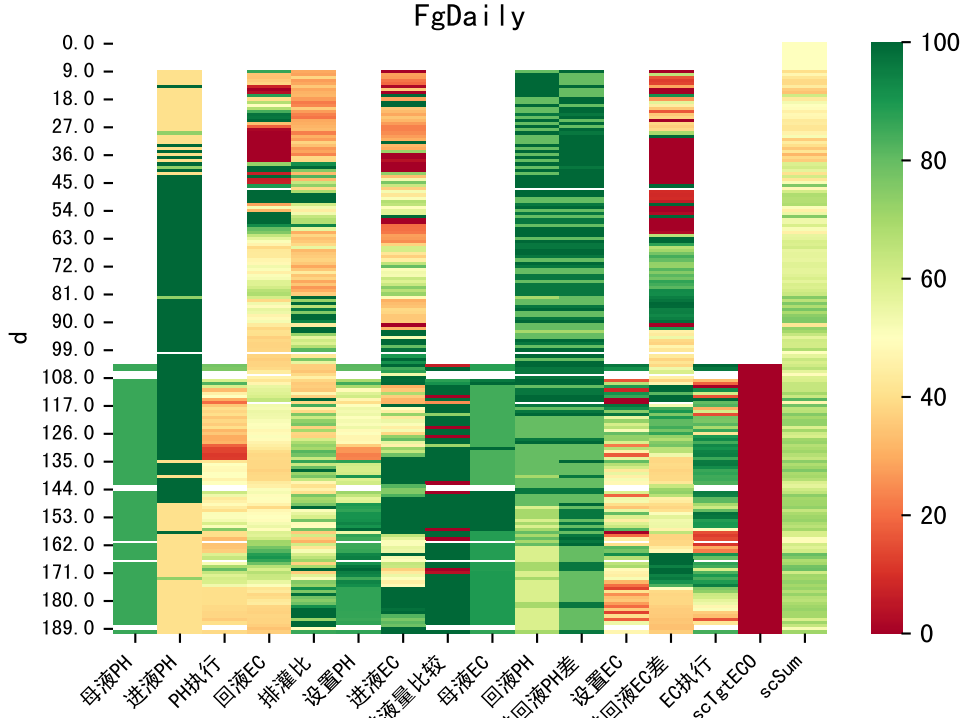

Plot [['FVOPH:r-o', 'PHO:g-o']]
PHO
Warning: col ['FVOPH'] is missing
7.0
6.8
6.6
6.4
6.2
6.0
0
25
50
75
100
125
150
175
d


Plot ET/VN
ETcl
ETcldef
VN
0
100
200
300
400
500
0
25
50
75
100
125
150
175
200
d

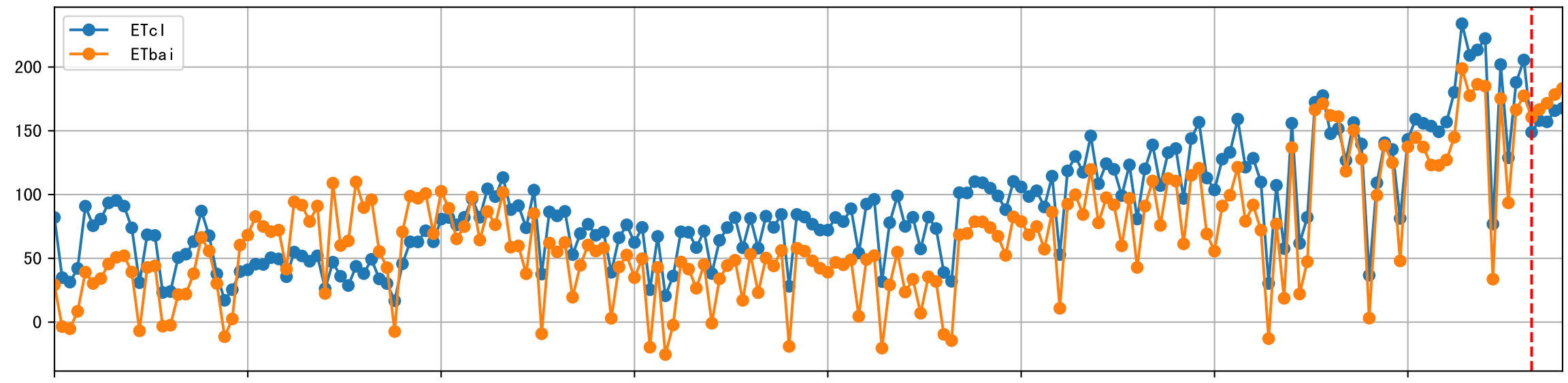

Plot Fv and fertilizer usage
cumETcIdef
cumETcI
cumFRV
cumVI
cumVO
d
cum_stock_vol
d
ECB
ECI
fz_stock_ec
d
estFDF
d

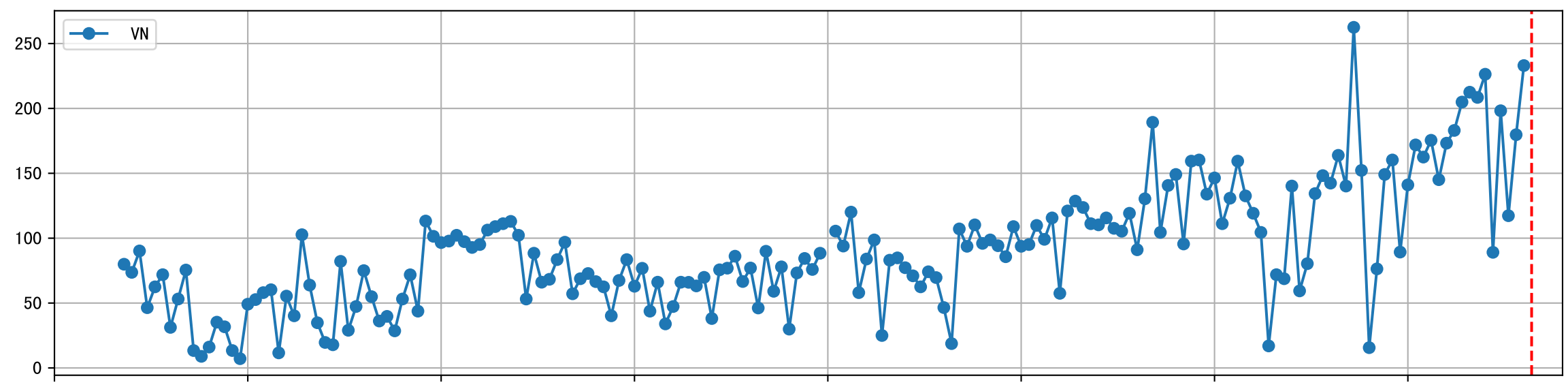

Fertilizer Range Source: kerleyL, kerleyH, UnivFL, TNAI, Haifa
N_kg_mu
P205_kg_mu
K20_kg_mu
d

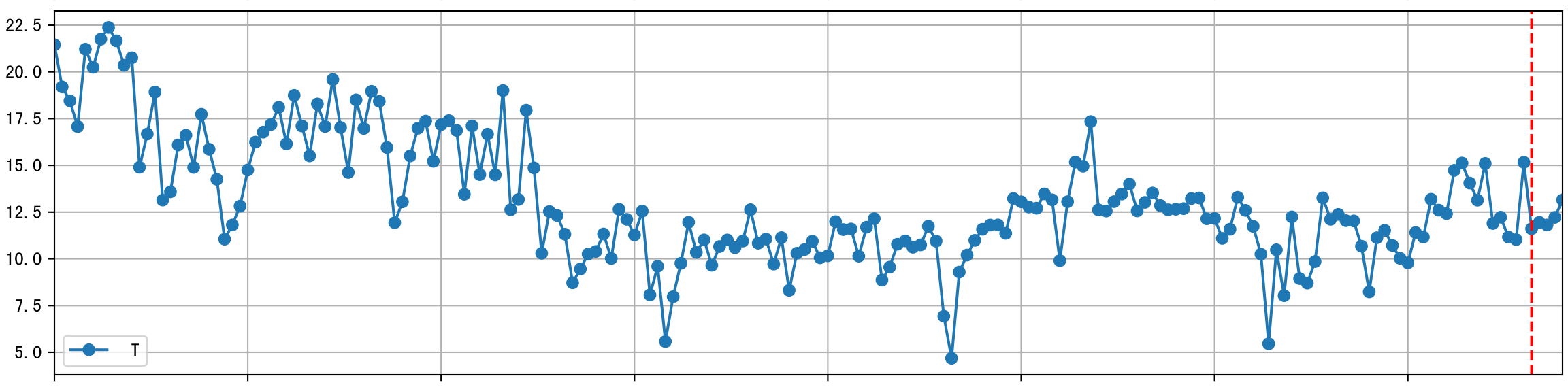

Trend plot forP1_0
minFVI
minFVO
Warning: col ['minFVIraw', 'minFVOraw'] is missing
ETcA
Warning: col ['ETcA1raw', 'ETcA1', 'ETcA2raw', 'ETcA2'] is missing
Warning: col ['ETcA2raw', 'ETcA2avg', 'ETcA2'] is missing
ECopt
ECC
ECI
ECO
PHopt
PHC
PHI
PHO
WCperM
Warning: col ['WCperMraw', 'WCperMavg'] is missing
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

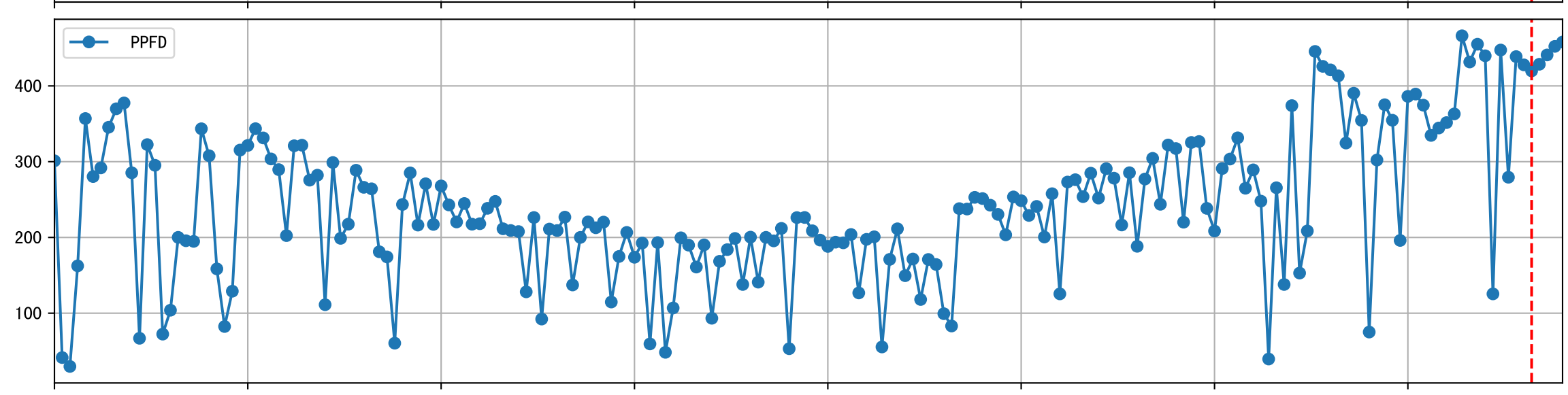

FgDaily
d
0.0
9.0
18.0
27.0
36.0
45.0
54.0
63.0
72.0
81.0
90.0
99.0
108.0
117.0
126.0
135.0
144.0
153.0
162.0
171.0
180.0
189.0
100
80
60
40
20
0
母液PH
进液PH
PH执行
回液EC
排灌比
设置PH
进液EC
液量比较
母液EC
回液PH
回液PH差
设置EC
回液EC差
EC执行
scTgtEC0
scSum

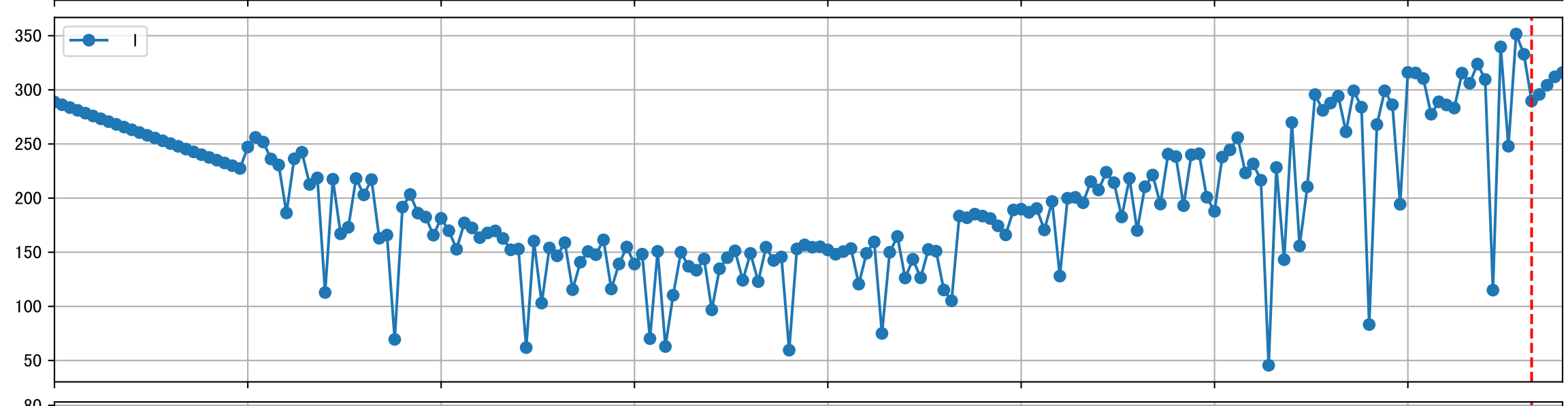
P1_0

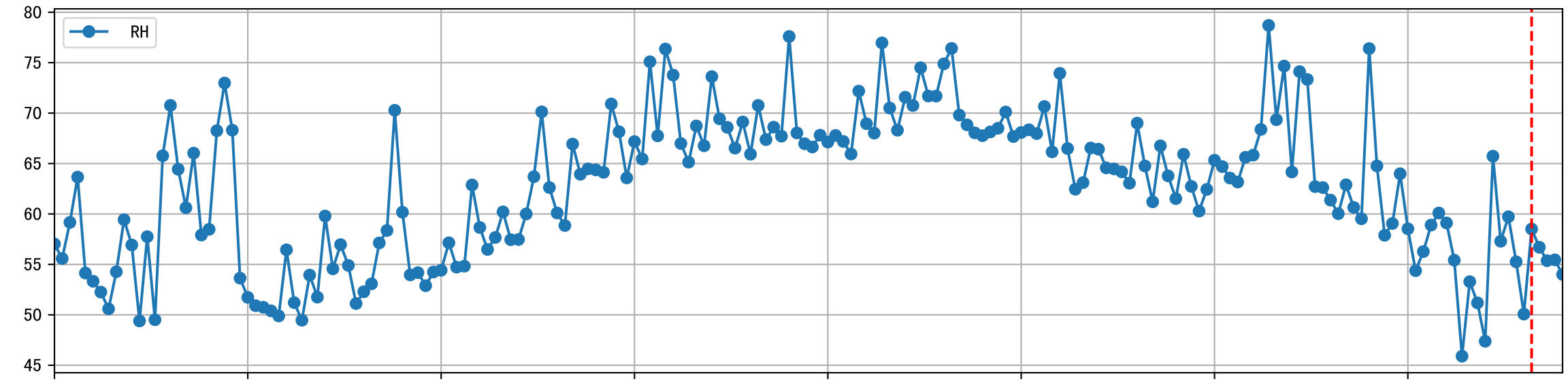

ETcl
ETbai
200
150
100
50
0

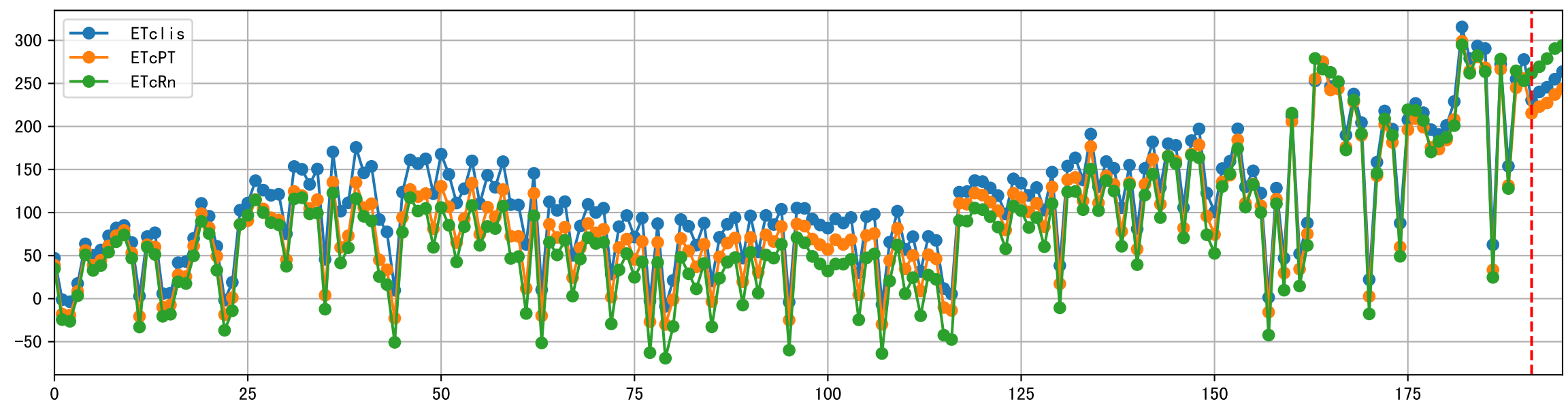

VN
250
200
150
100
50
0

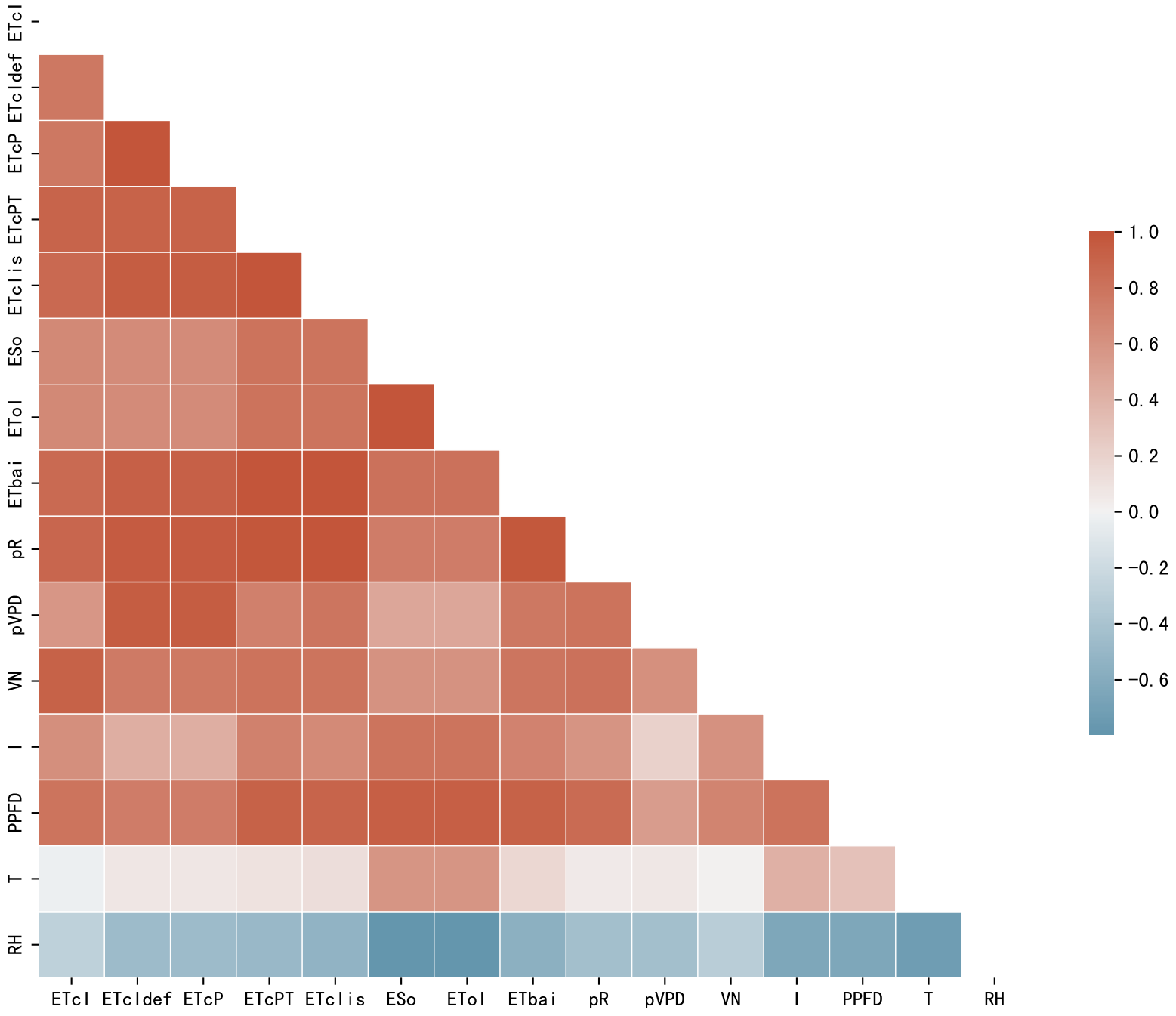

T
22.5
20.0
17.5
15.0
12.5
10.0
7.5
5.0

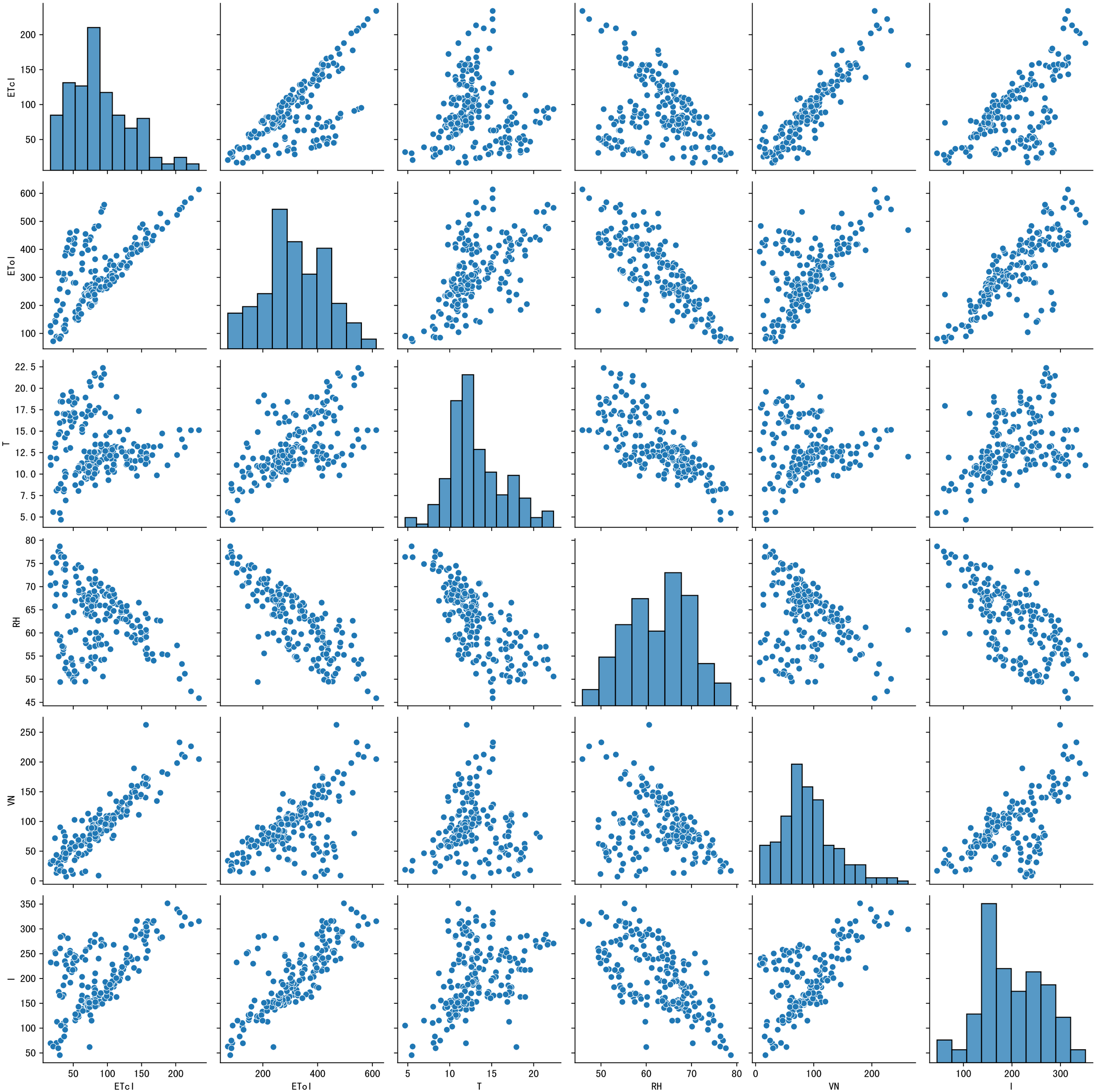

PPFD
400
300
200
100

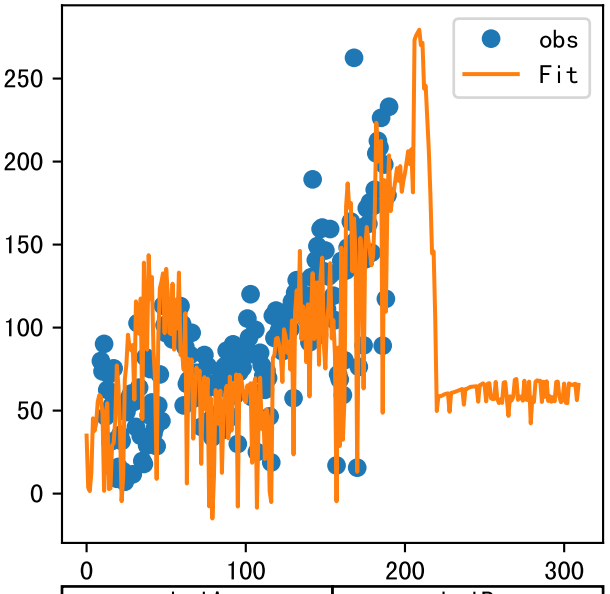

I
350
300
250
200
150
100
50

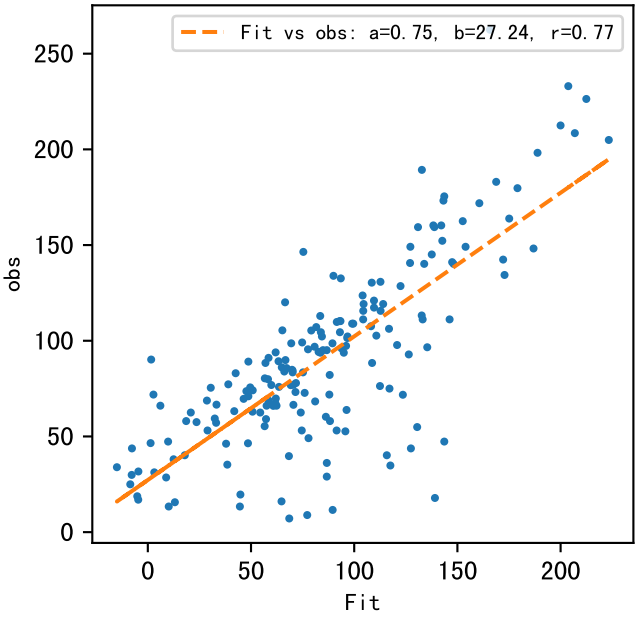

RH
80
75
70
65
60
55
50
45


ETclis
ETcPT
ETcRn
300
250
200
150
100
50
0
−50
0
25
50
75
100
125
150
175
d

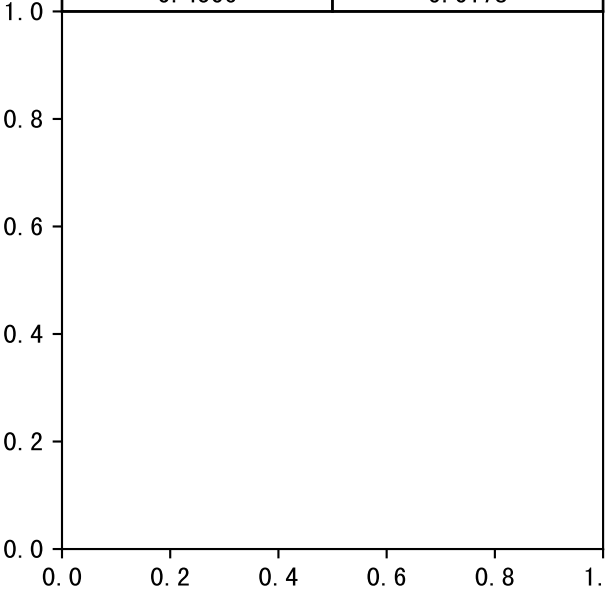

ETcl
ETcldef
ETcP
ETcPT
ETclis
ESo
ETol
ETbai
pR
pVPD
VN
I
PPFD
T
RH
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6

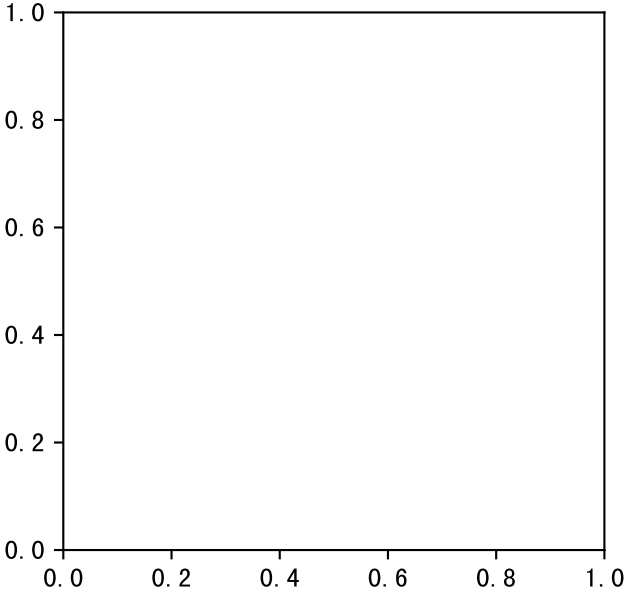

ETcI
ETo I
T
RH
VN
I
ETcI
ETo I
T
RH
VN
I

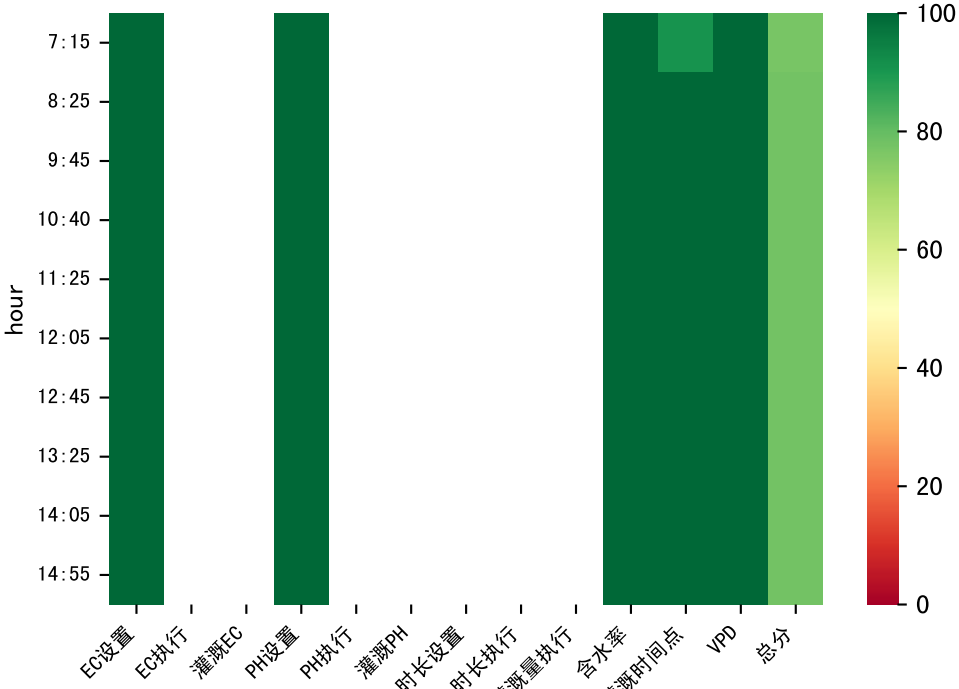




baiA	baiB
0.4506	0.0178

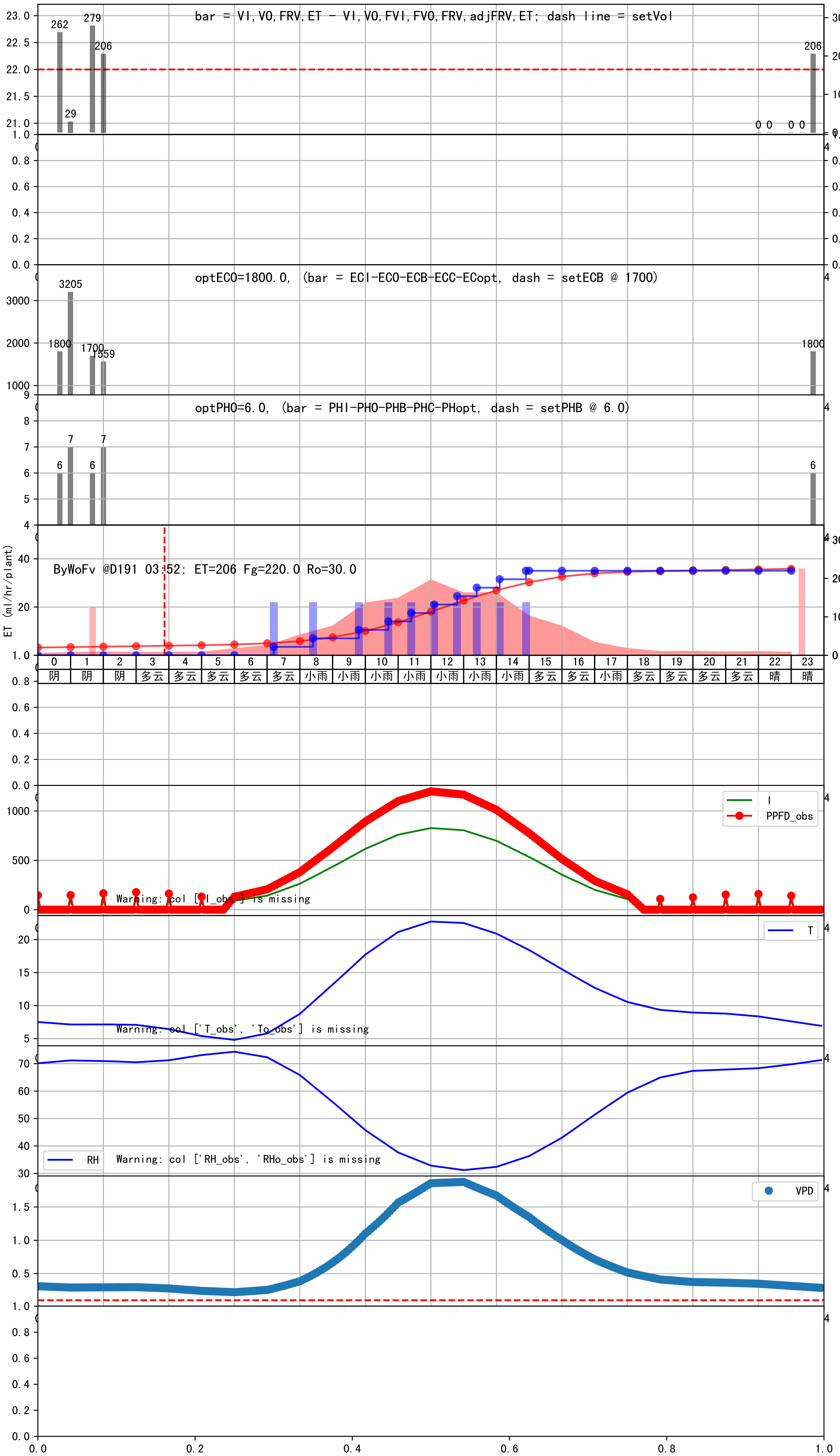


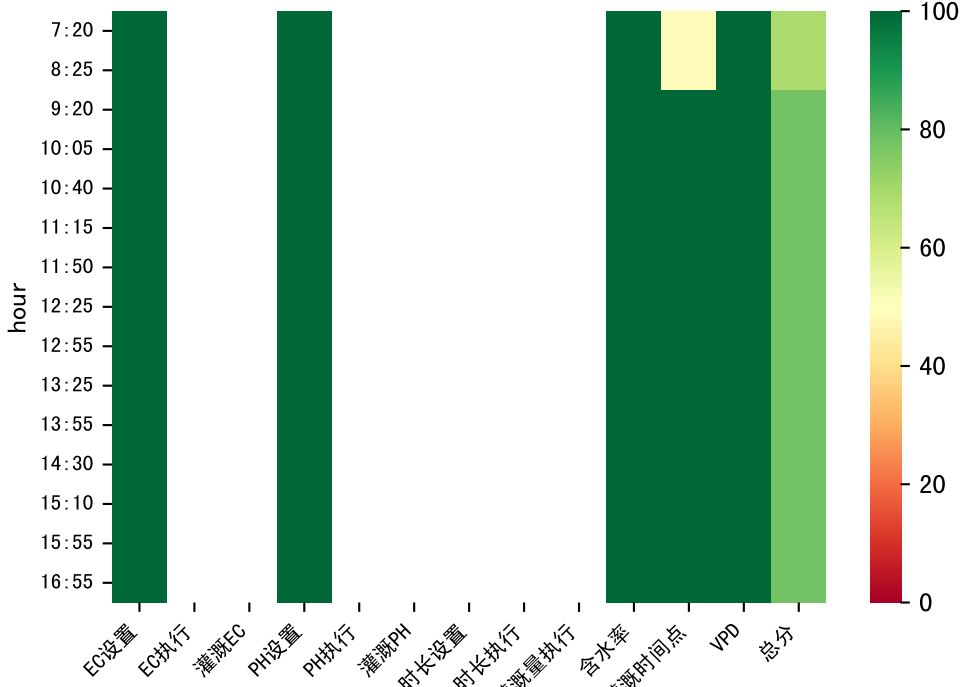



hour
7:15
8:25
9:45
10:40
11:25
12:05
12:45
13:25
14:05
14:55
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
07:15	129	22.0	0.485	多云	预期@07:15 自主（未用传感器）
08:25	129	22.0	0.485	小雨	预期@08:25 自主（未用传感器）
09:45	129	22.0	0.485	小雨	预期@09:45 自主（未用传感器）
10:40	129	22.0	0.485	小雨	预期@10:40 自主（未用传感器）
11:25	129	22.0	0.485	小雨	预期@11:25 自主（未用传感器）
12:05	129	22.0	0.485	小雨	预期@12:05 自主（未用传感器）
12:45	129	22.0	0.485	小雨	待执行@12:45 自主（未用传感器）
13:25	129	22.0	0.485	小雨	预期@13:25 自主（未用传感器）
14:05	129	22.0	0.485	小雨	预期@14:05 自主（未用传感器）
14:55	129	22.0	0.485	小雨	预期@14:55 自主（未用传感器）
总计	1290.0 （10次）	220.0			建议进液EC：1700， PH：6.0

P1_0, Day=191 (2026-04-03)

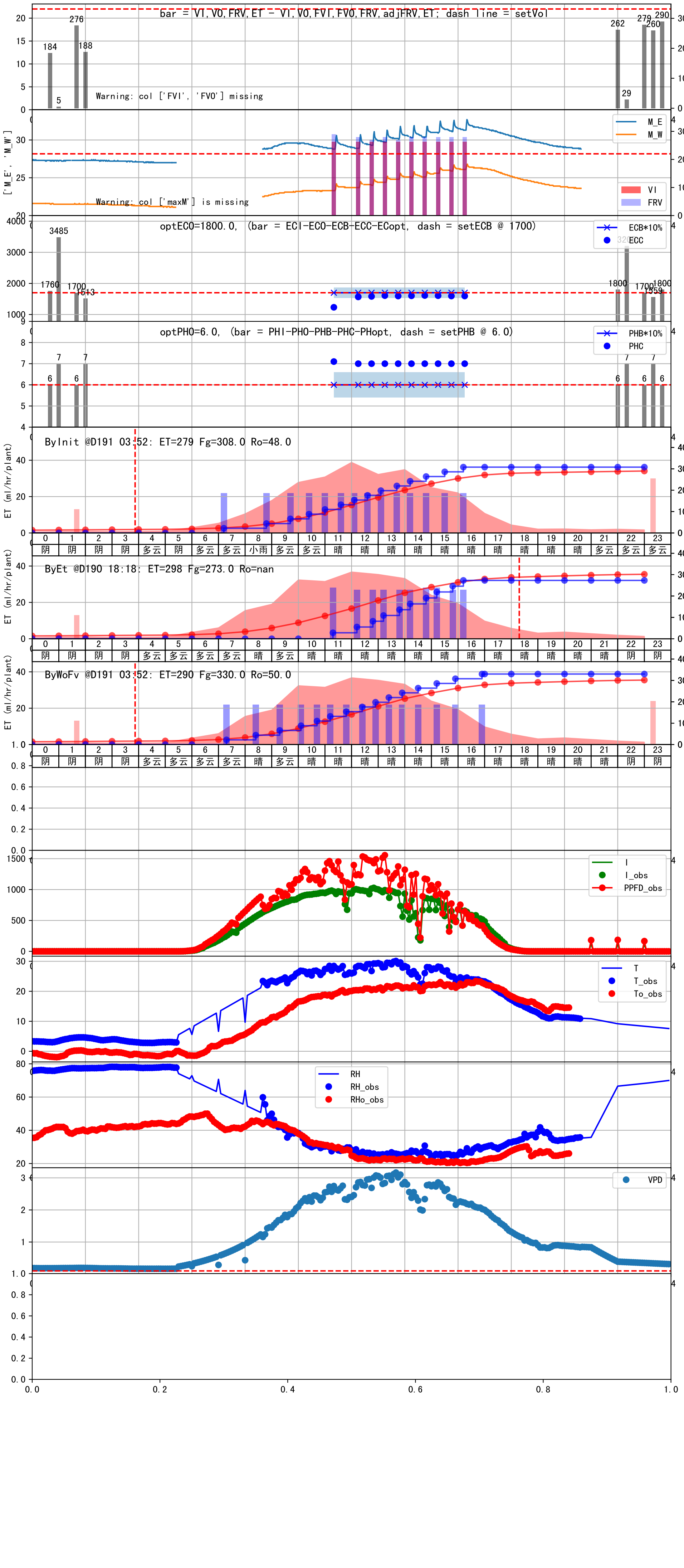


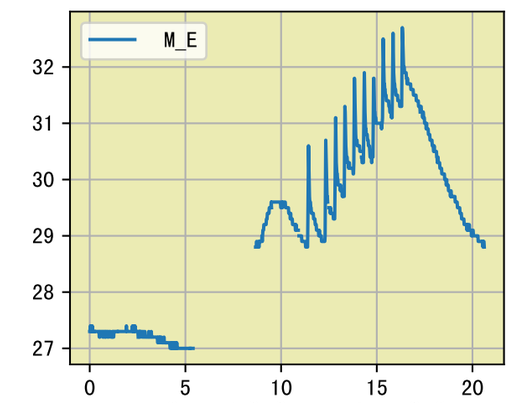

hour
7:20
8:25
9:20
10:05
10:40
11:15
11:50
12:25
12:55
13:25
13:55
14:30
15:10
15:55
16:55
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

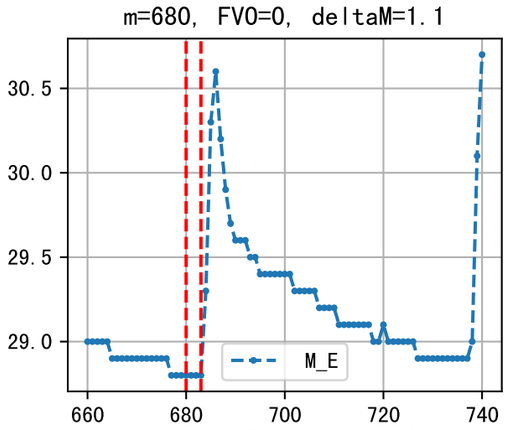
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
07:20	153	22.0	0.485	多云	假设@07:20 自动（未用传感器）
08:25	153	22.0	0.485	晴	假设@08:25 自动（未用传感器）
09:20	153	22.0	0.485	多云	假设@09:20 自动（未用传感器）
10:05	153	22.0	0.485	晴	假设@10:05 自动（未用传感器）
10:40	153	22.0	0.485	晴	假设@10:40 自动（未用传感器）
11:15	153	22.0	0.485	晴	假设@11:15 自动（未用传感器）
11:50	153	22.0	0.485	晴	假设@11:50 自动（未用传感器）
12:25	153	22.0	0.485	晴	假设@12:25 自动（未用传感器）
12:55	153	22.0	0.485	晴	假设@12:55 自动（未用传感器）
13:25	153	22.0	0.485	晴	假设@13:25 自动（未用传感器）
13:55	153	22.0	0.485	晴	假设@13:55 自动（未用传感器）
14:30	153	22.0	0.485	晴	假设@14:30 自动（未用传感器）
15:10	153	22.0	0.485	晴	假设@15:10 自动（未用传感器）
15:55	153	22.0	0.485	晴	假设@15:55 自动（未用传感器）
16:55	153	22.0	0.485	晴	假设@16:55 自动（未用传感器）
总计	2295.0 (15次)	330.0			建议进液EC：1700， PH：6.0

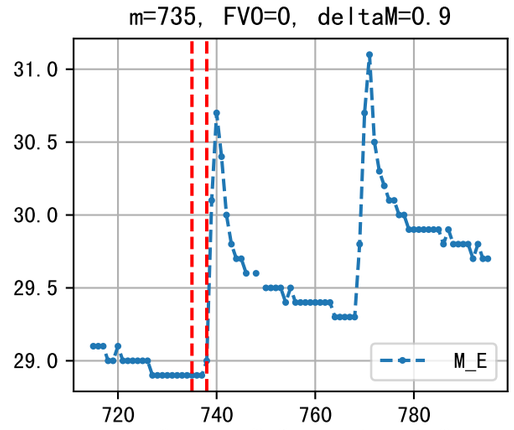
滴头平均流速偏小（0.18 vs def 0.5），请检查
上次灌溉时长(151)与预期(129.0)不符, 可能由于多阀同灌按参考区灌溉
默认实际灌溉26.0 ml.

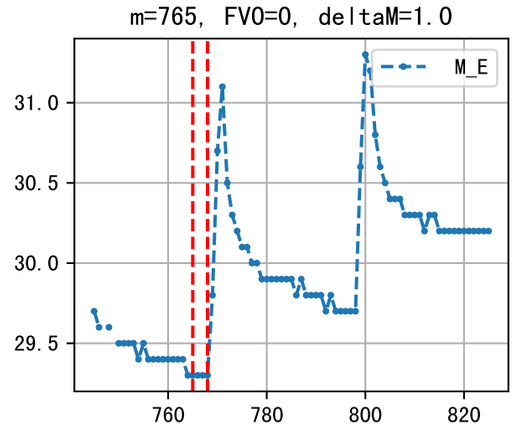
P1_0, Day=190.0 (2026-04-02)

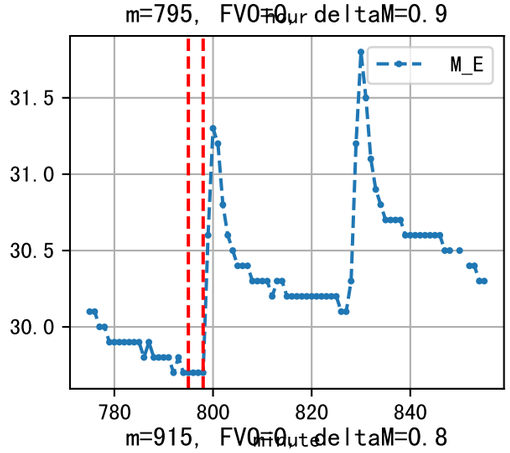


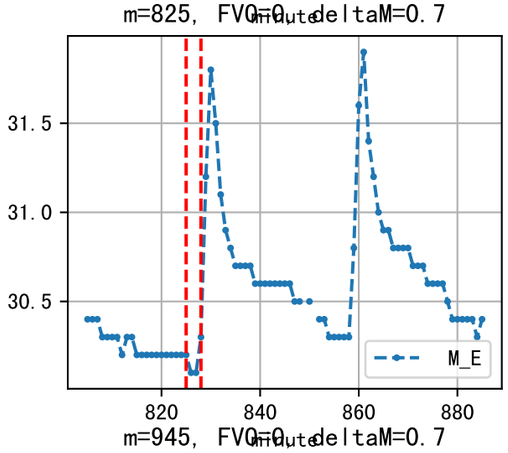

M_E

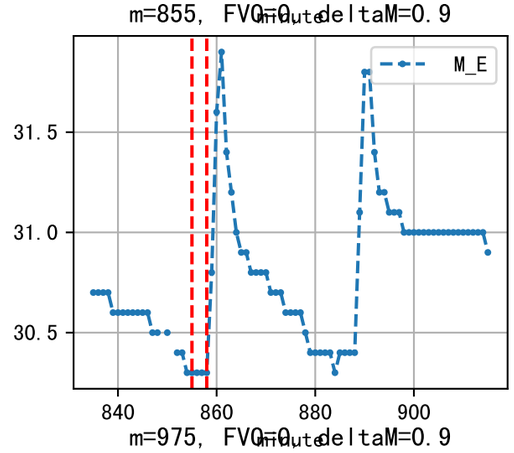

m=680, FVO=0, deltaM=1.1
M_E

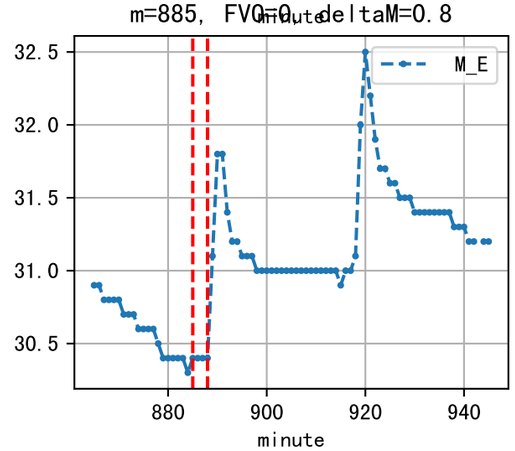

m=735, FVO=0, deltaM=0.9
M_E

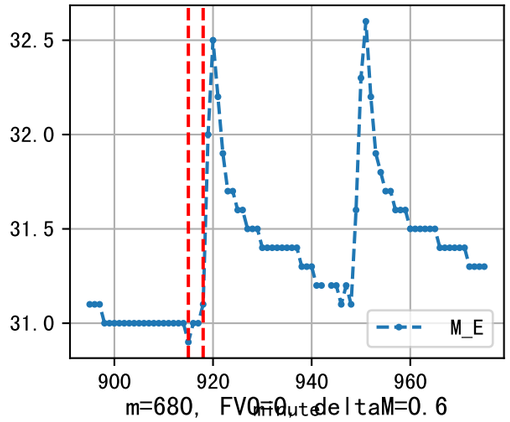

m=765, FVO=0, deltaM=1.0
M_E

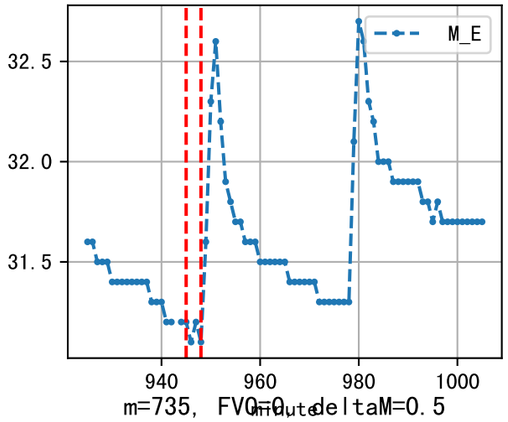

m=795, FVO=0, deltaM=0.9
hour
M_E

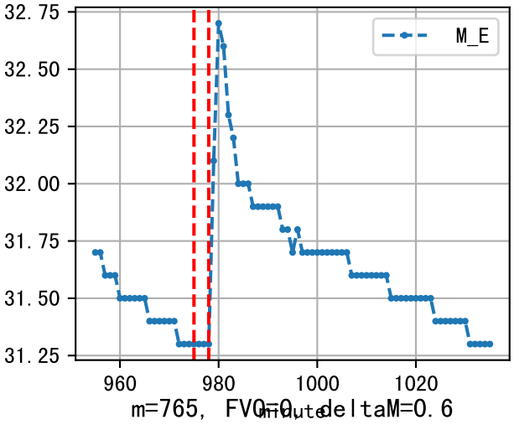

m=825, FVO=0, deltaM=0.7
minute
M_E

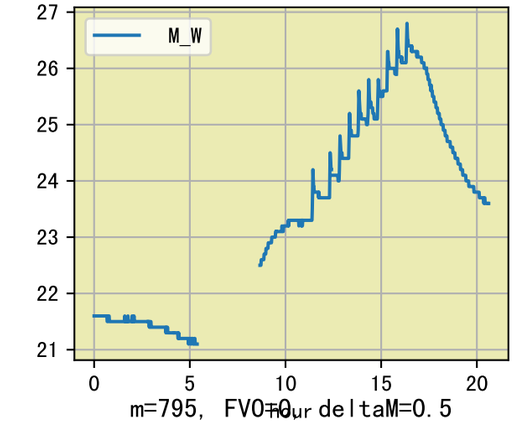

m=855, FVO=0, deltaM=0.9
minute
M_E

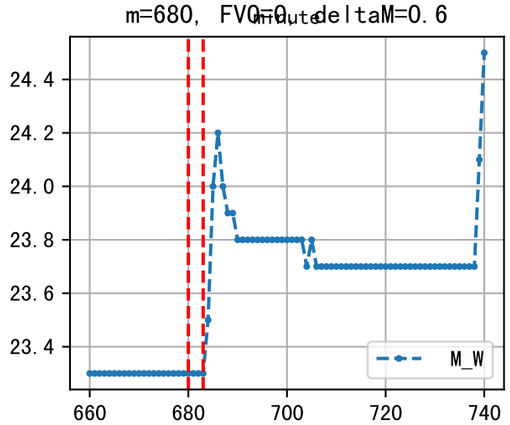

m=885, FVO=0, deltaM=0.8
minute
M_E

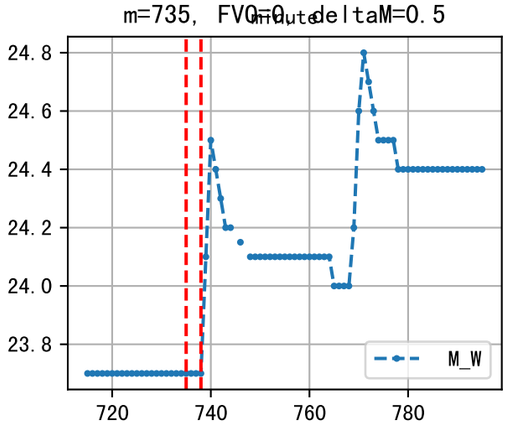

m=915, FVO=0, deltaM=0.8
minute
M_E

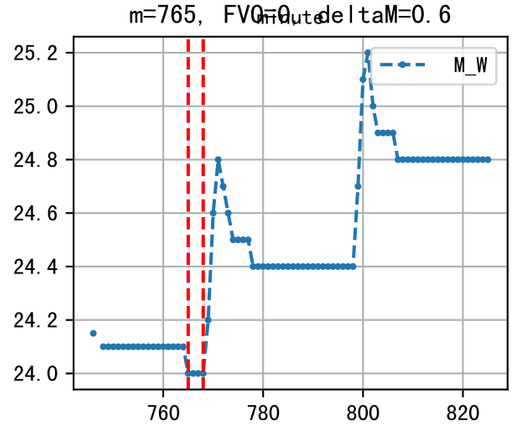

m=945, FVO=0, deltaM=0.7
minute
M_E

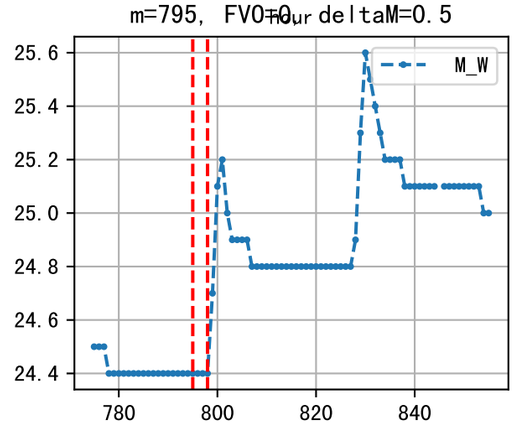

m=975, FVO=0, deltaM=0.9
minute
M_E

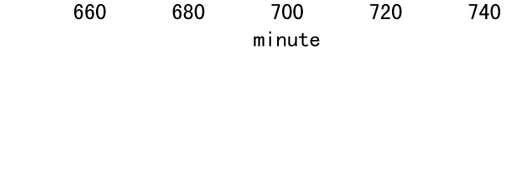

minute
M_E

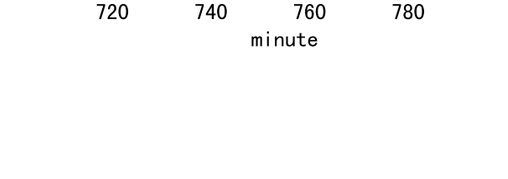

m=680, FVO=0, deltaM=0.6
minute
M_E

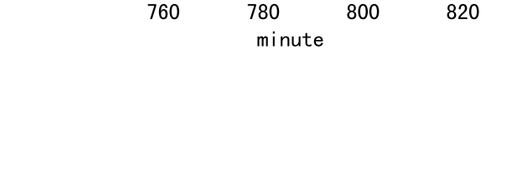

m=735, FVO=0, deltaM=0.5
minute
M_E

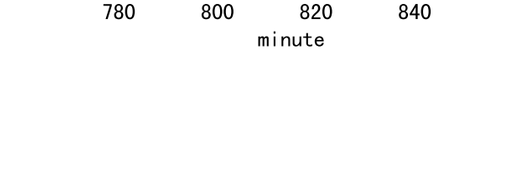

m=765, FVO=0, deltaM=0.6
minute
M_E

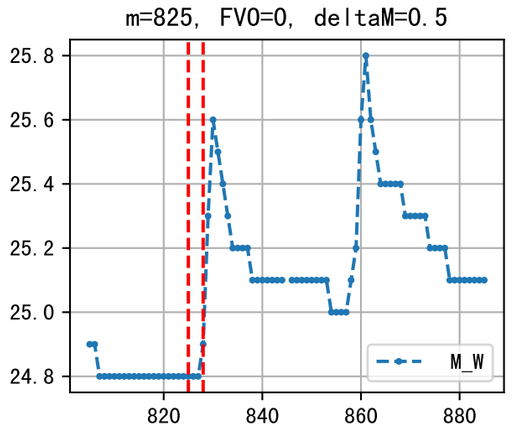

m=795, FVO=0, deltaM=0.5
hour
M_W

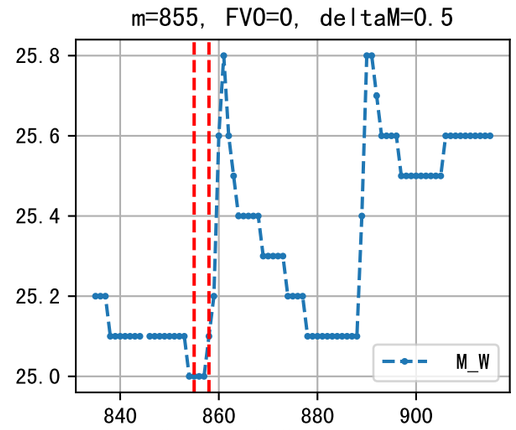

M_W
minute

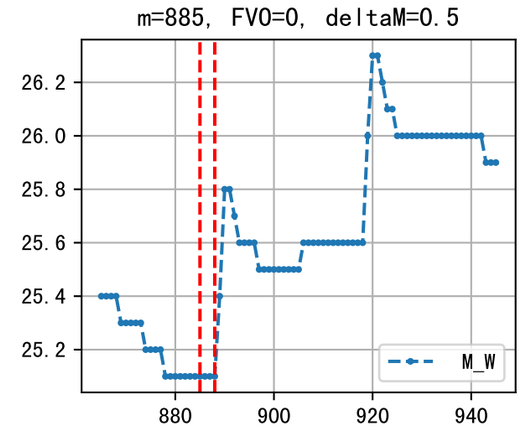

M_W
minute

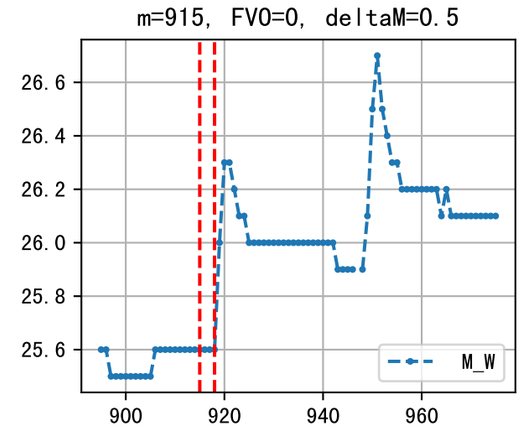

M_W
minute

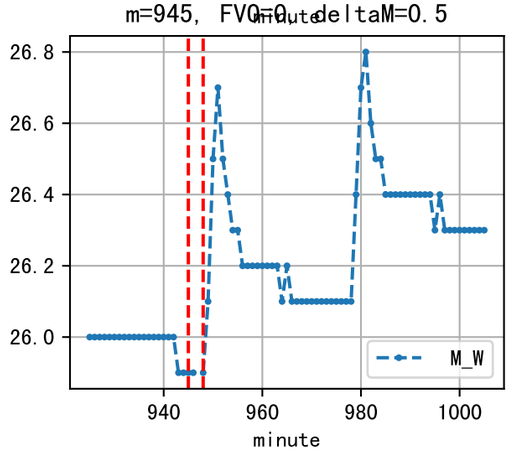

M_W
minute

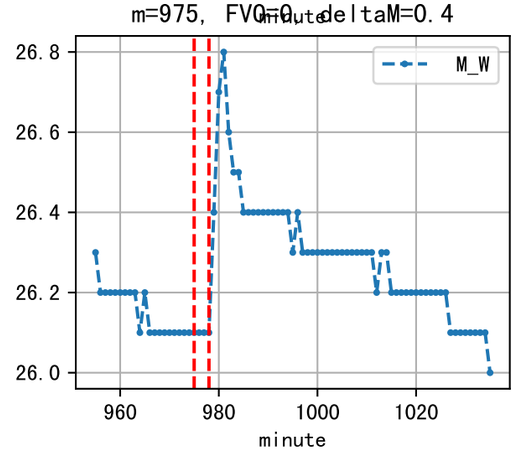

m=825, FVO=0, deltaM=0.5
M_W
minute

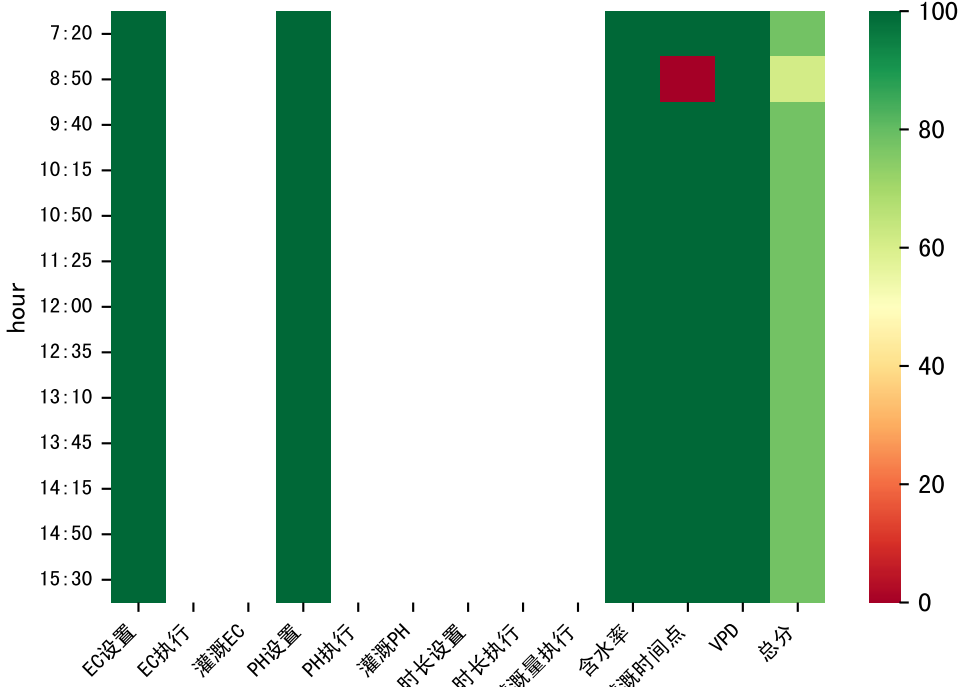

m=855, FVO=0, deltaM=0.5
M_W
minute


m=885, FVO=0, deltaM=0.5
M_W
minute


m=915, FVO=0, deltaM=0.5
M_W
minute

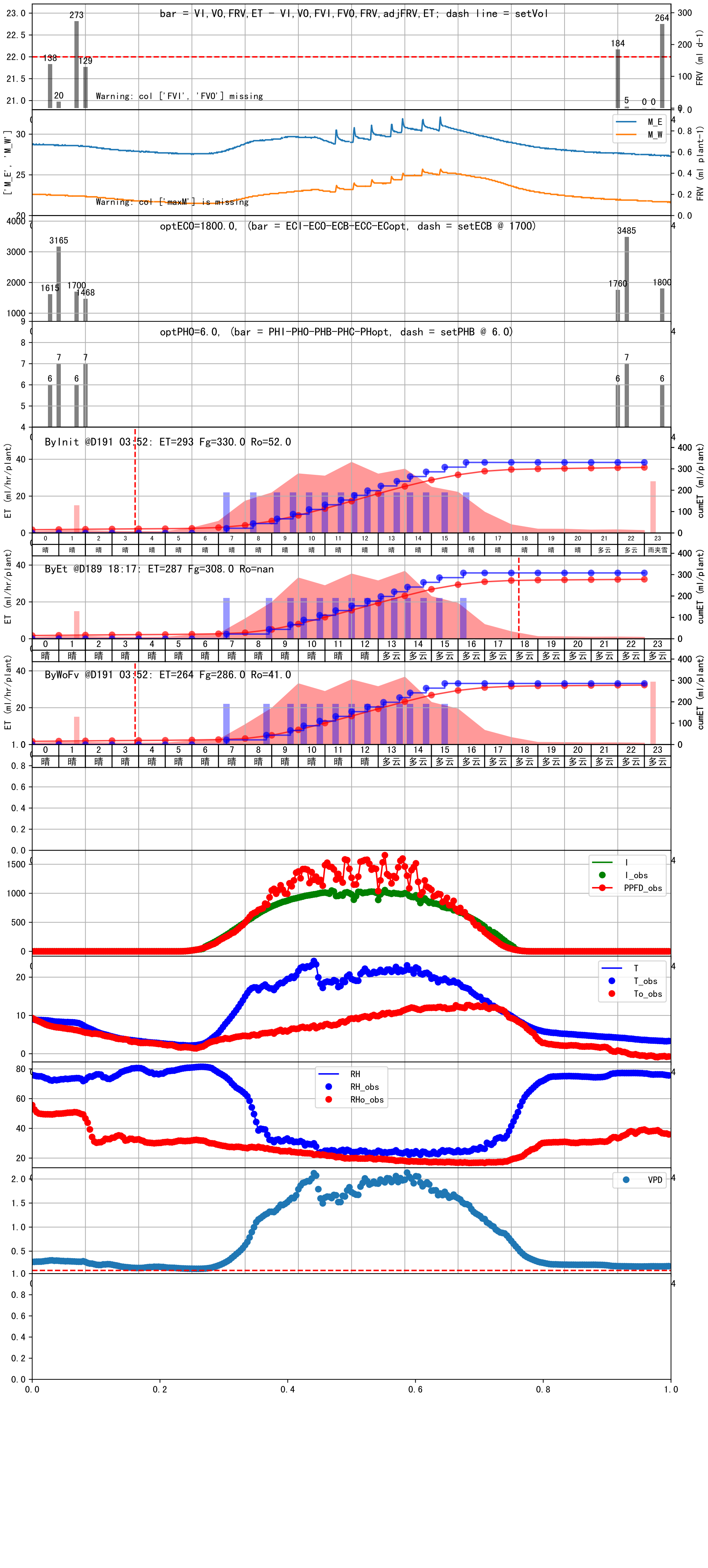

m=945, FVO=0, deltaM=0.5
M_W
minute

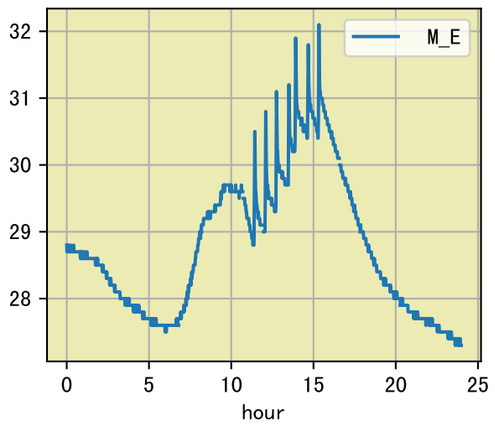

m=975, FVO=0, deltaM=0.4
M_W
minute

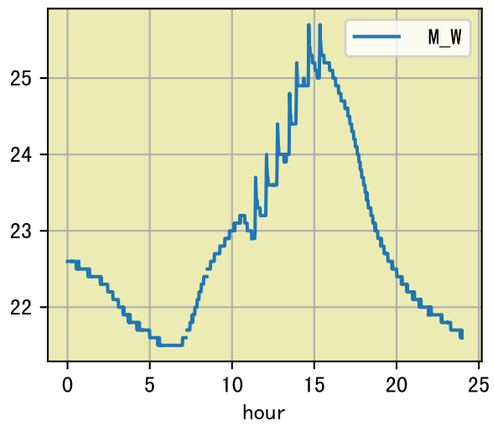

hour
7:20
8:50
9:40
10:15
10:50
11:25
12:00
12:35
13:10
13:45
14:15
14:50
15:30
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

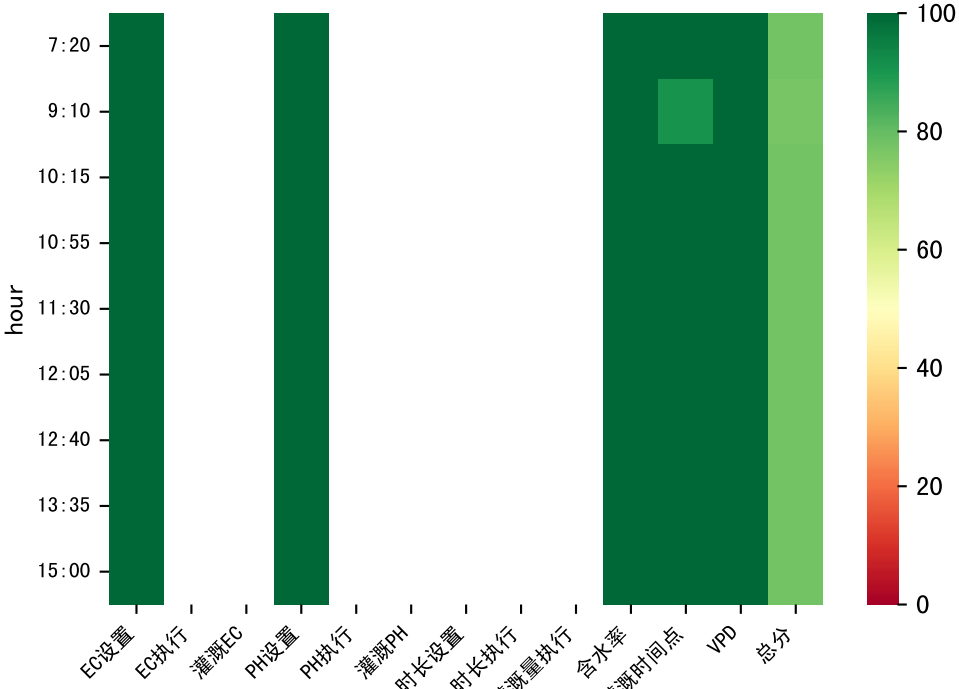
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
07:20	129	22.0	0.485	晴	假设@07:20 未知程序（未用传感器）
08:50	129	22.0	0.485	晴	假设@08:50 未知程序（未用传感器）
09:40	129	22.0	0.485	晴	假设@09:40 未知程序（未用传感器）
10:15	129	22.0	0.485	晴	假设@10:15 未知程序（未用传感器）
10:50	129	22.0	0.485	晴	假设@10:50 未知程序（未用传感器）
11:25	129	22.0	0.485	晴	假设@11:25 未知程序（未用传感器）
12:00	129	22.0	0.485	晴	假设@12:00 未知程序（未用传感器）
12:35	129	22.0	0.485	晴	假设@12:35 未知程序（未用传感器）
13:10	129	22.0	0.485	多云	假设@13:10 未知程序（未用传感器）
13:45	129	22.0	0.485	多云	假设@13:45 未知程序（未用传感器）
14:15	129	22.0	0.485	多云	假设@14:15 未知程序（未用传感器）
14:50	129	22.0	0.485	多云	假设@14:50 未知程序（未用传感器）
15:30	129	22.0	0.485	多云	假设@15:30 未知程序（未用传感器）
总计	1677.0 (13次)	286.0			建议进液EC：1700， PH：6.0

P1_0, Day=189 (2026-04-01)



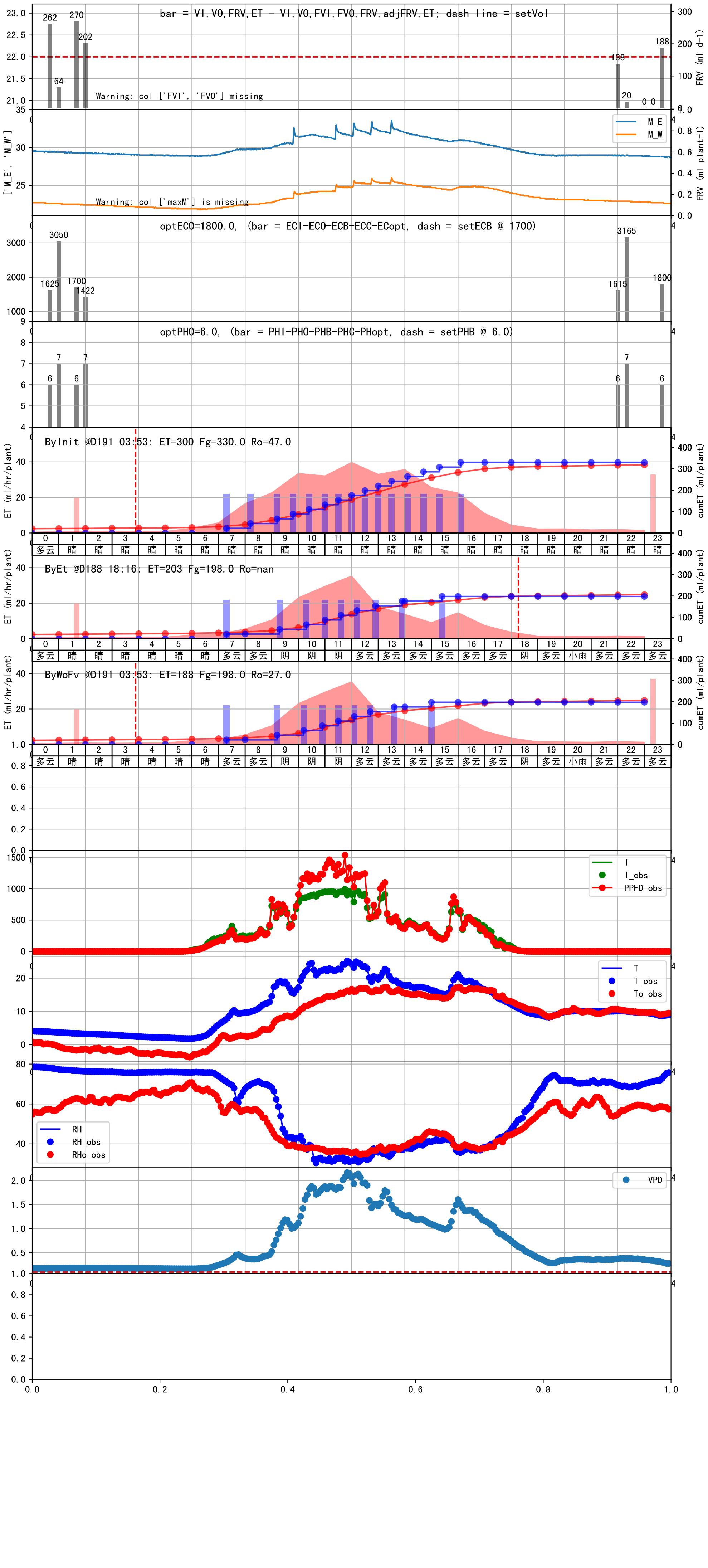

M_E
32
31
30
29
28
0
5
10
15
20
25
hour

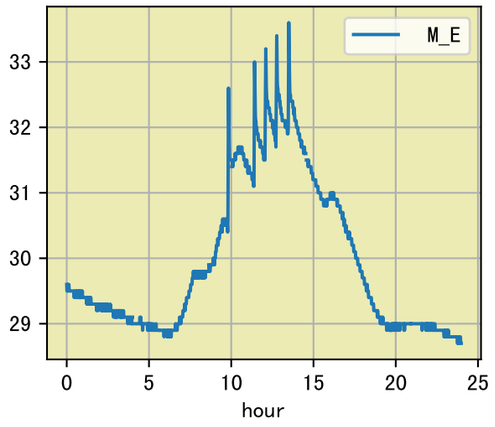

M_W
25
24
23
22
0
5
10
15
20
25
hour

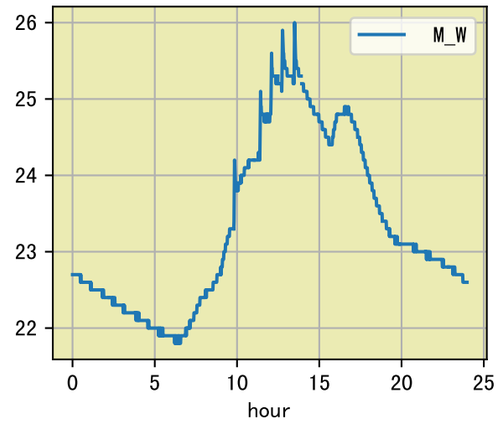

hour
7:20
9:10
10:15
10:55
11:30
12:05
12:40
13:35
15:00
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

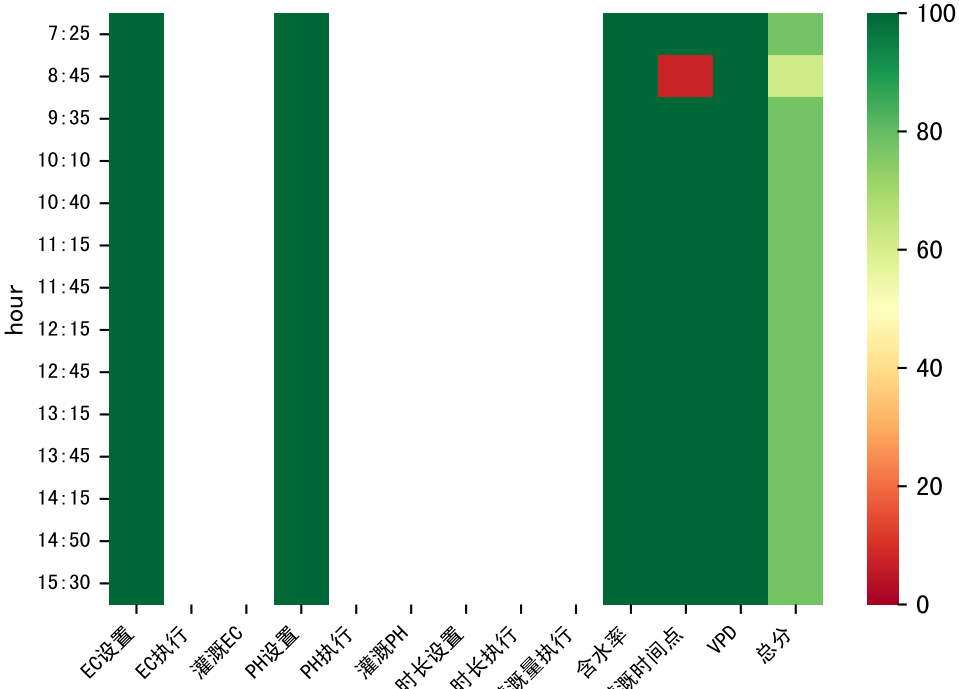
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
07:20	129	22.0	0.485	多云	假设@07:20 未知程序（未用传感器）
09:10	129	22.0	0.485	阴	假设@09:10 未知程序（未用传感器）
10:15	129	22.0	0.485	阴	假设@10:15 未知程序（未用传感器）
10:55	129	22.0	0.485	阴	假设@10:55 未知程序（未用传感器）
11:30	129	22.0	0.485	阴	假设@11:30 未知程序（未用传感器）
12:05	129	22.0	0.485	多云	假设@12:05 未知程序（未用传感器）
12:40	129	22.0	0.485	多云	假设@12:40 未知程序（未用传感器）
13:35	129	22.0	0.485	多云	假设@13:35 未知程序（未用传感器）
15:00	129	22.0	0.485	多云	假设@15:00 未知程序（未用传感器）
总计	1161.0 (9次)	198.0			建议进液EC：1700， PH：6.0

P1_0, Day=188 (2026-03-31)




M_E
33
32
31
30
29
0
5
10
15
20
25
hour

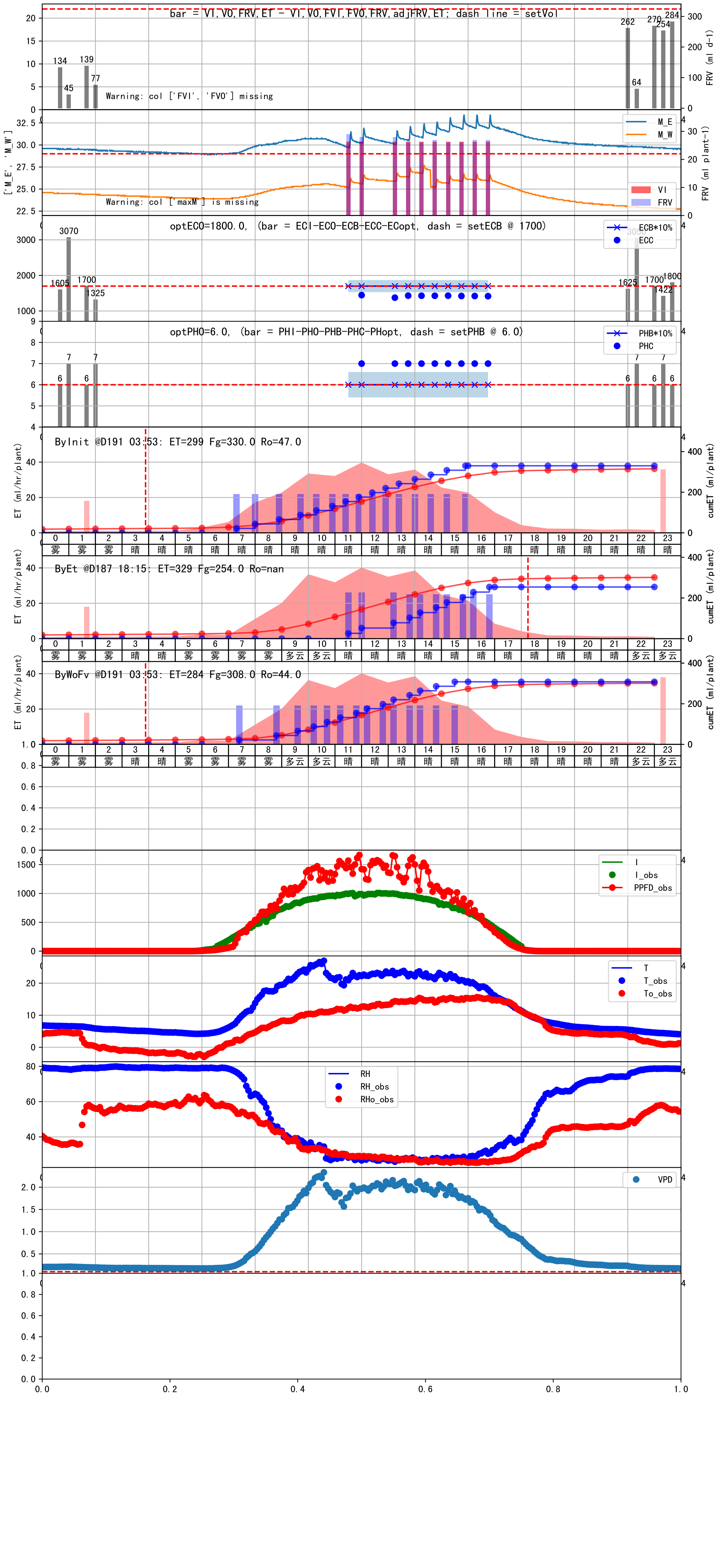

M_W
26
25
24
23
22
0
5
10
15
20
25
hour

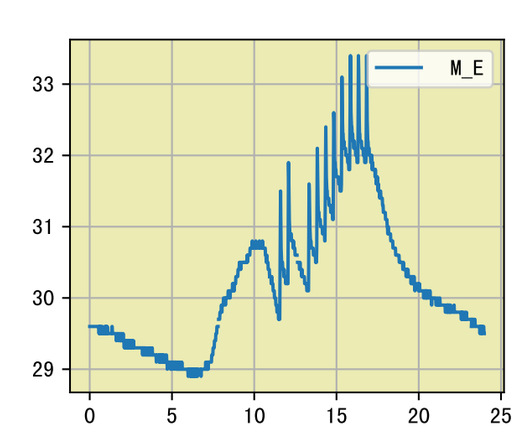

hour
7:25
8:45
9:35
10:10
10:40
11:15
11:45
12:15
12:45
13:15
13:45
14:15
14:50
15:30
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
含水率
VPD
总分
100
80
60
40
20
0

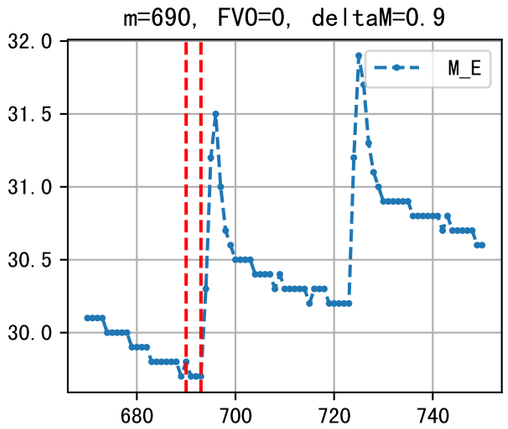
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
07:25	151	22.0	0.485	雾	假设@07:25 自动（未用传感器）
08:45	151	22.0	0.485	雾	假设@08:45 自动（未用传感器）
09:35	151	22.0	0.485	多云	假设@09:35 自动（未用传感器）
10:10	151	22.0	0.485	多云	假设@10:10 自动（未用传感器）
10:40	151	22.0	0.485	多云	假设@10:40 自动（未用传感器）
11:15	151	22.0	0.485	晴	假设@11:15 自动（未用传感器）
11:45	151	22.0	0.485	晴	假设@11:45 自动（未用传感器）
12:15	151	22.0	0.485	晴	假设@12:15 自动（未用传感器）
12:45	151	22.0	0.485	晴	假设@12:45 自动（未用传感器）
13:15	151	22.0	0.485	晴	假设@13:15 自动（未用传感器）
13:45	151	22.0	0.485	晴	假设@13:45 自动（未用传感器）
14:15	151	22.0	0.485	晴	假设@14:15 自动（未用传感器）
14:50	151	22.0	0.485	晴	假设@14:50 自动（未用传感器）
15:30	151	22.0	0.485	晴	假设@15:30 自动（未用传感器）
总计	2114.0 (14次)	308.0			建议进液EC：1700， PH：6.0

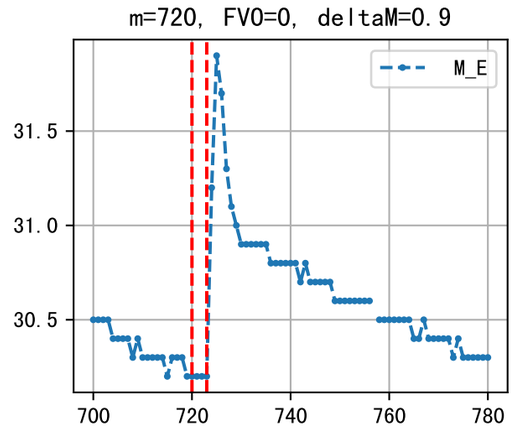
滴头平均流速偏小（0.18 vs def 0.5），请检查
上次灌溉时长(147)与预期(129.0)不符，可能由于多阀同灌按参考区灌溉
默认实际灌溉25.0 ml.

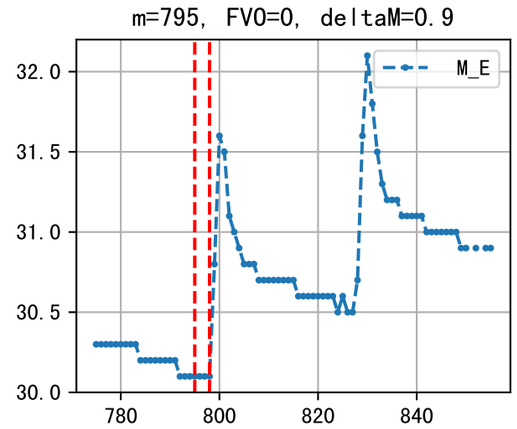
P1_0, Day=187.0 (2026-03-30)

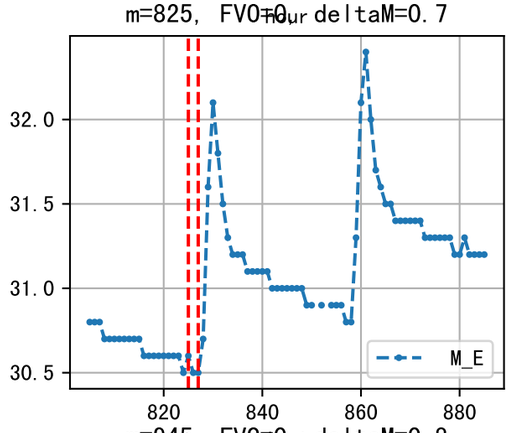


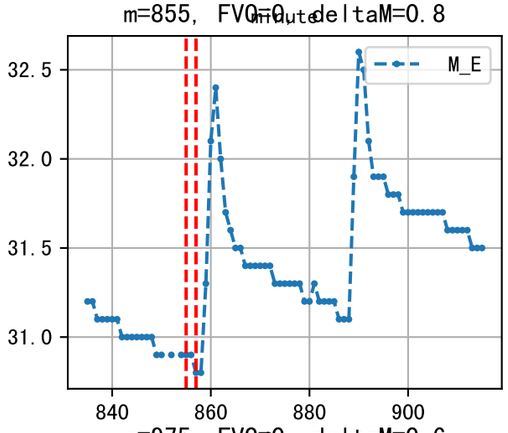

M_E

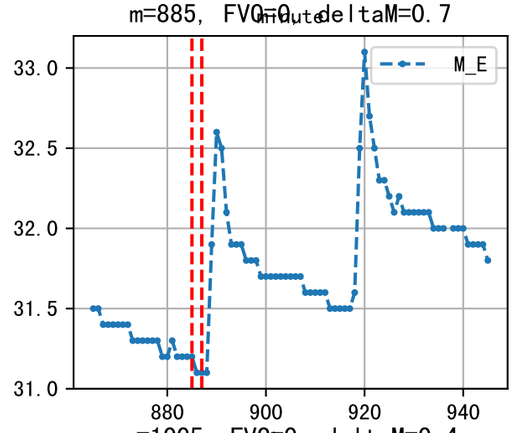

m=690, FVO=0, deltaM=0.9
M_E

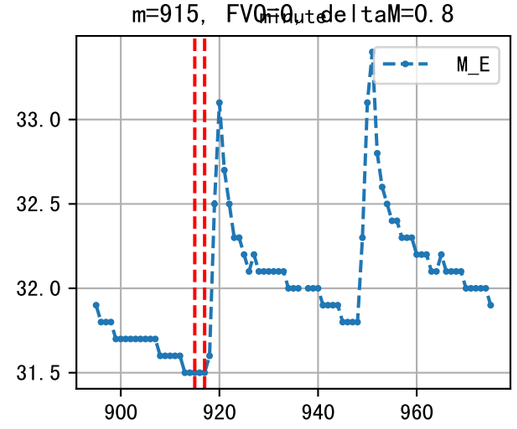

m=720, FVO=0, deltaM=0.9
M_E

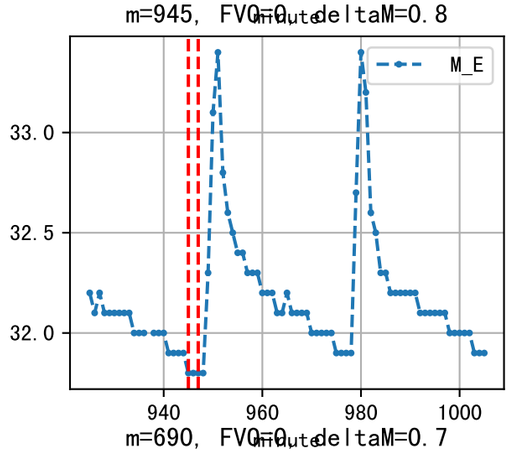

m=795, FVO=0, deltaM=0.9
M_E

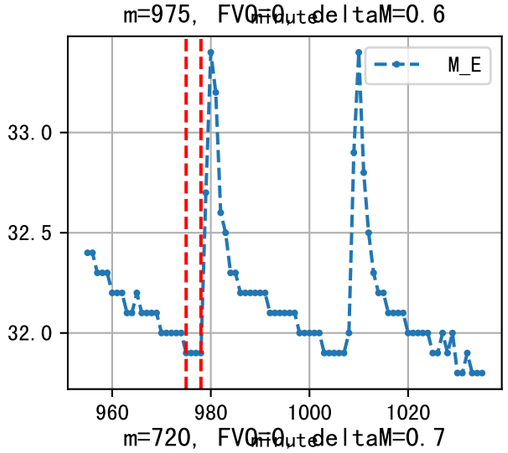

m=825, FVO=0, deltaM=0.7
M_E
hour

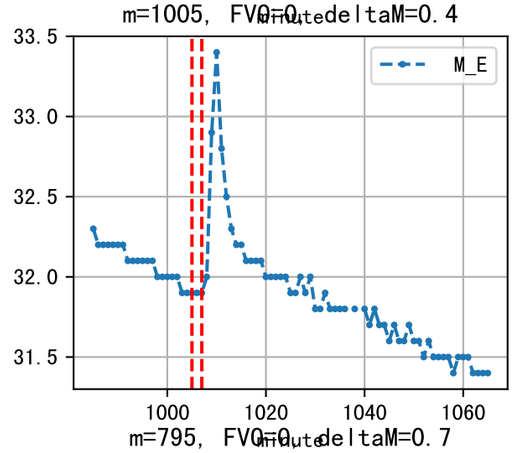

m=855, FVO=0, deltaM=0.8
M_E
minute

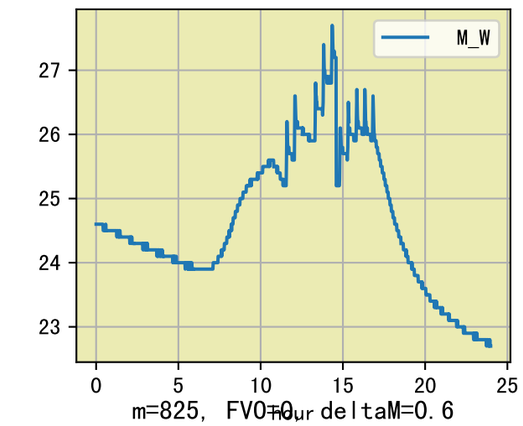

m=885, FVO=0, deltaM=0.7
M_E
minute

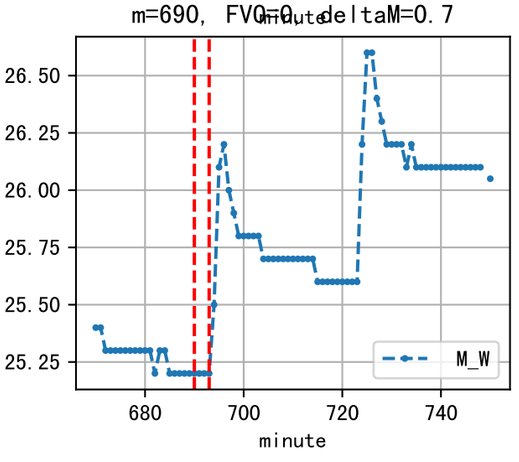

m=915, FVO=0, deltaM=0.8
M_E
minute

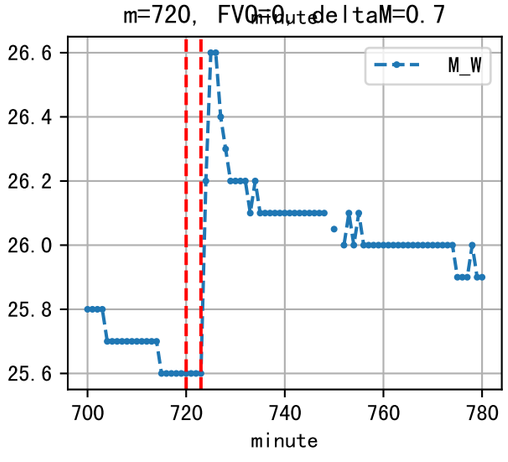

m=945, FVO=0, deltaM=0.8
M_E
minute

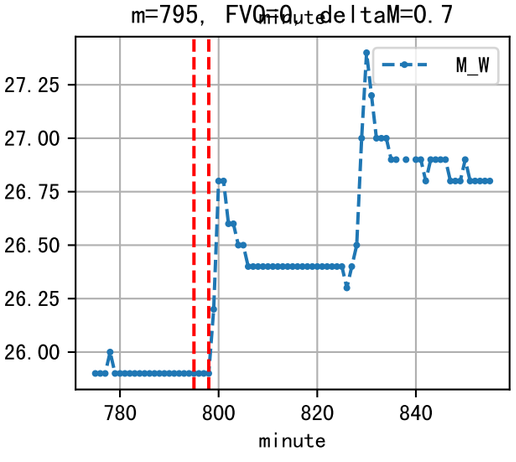

m=975, FVO=0, deltaM=0.6
M_E
minute

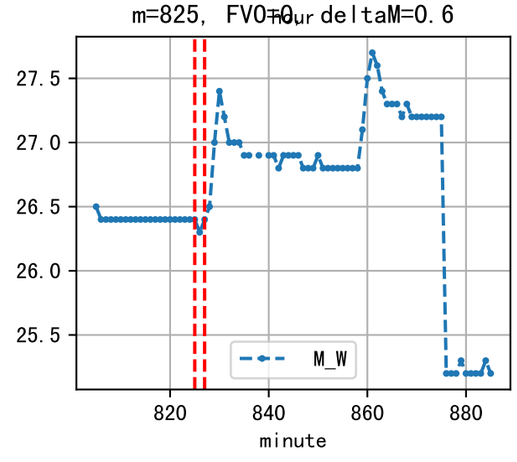

m=1005, FVO=0, deltaM=0.4
M_E
minute

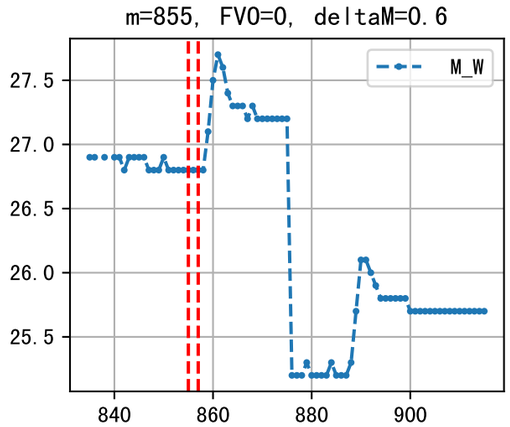

M_E
minute

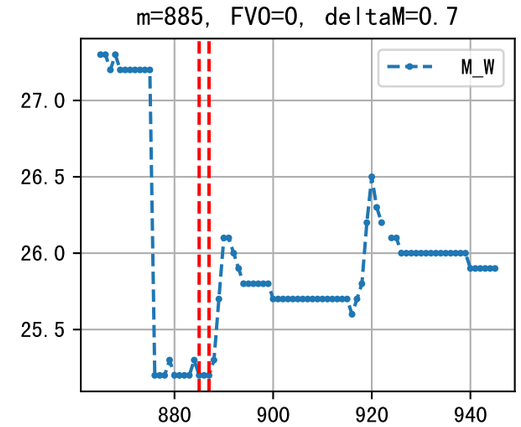

m=690, FVO=0, deltaM=0.7
M_W
minute

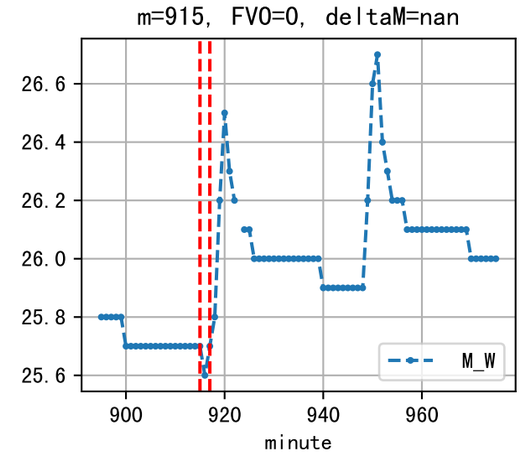

m=720, FVO=0, deltaM=0.7
M_W
minute

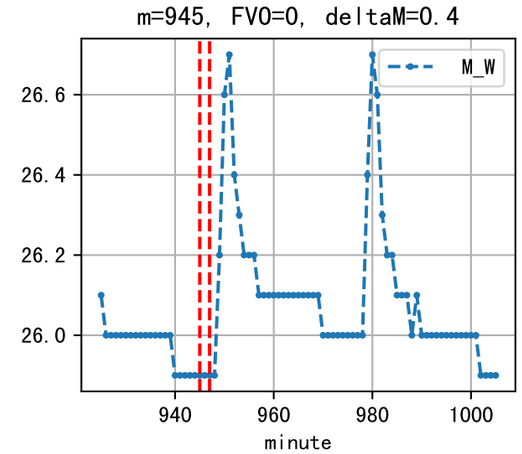

m=795, FVO=0, deltaM=0.7
M_W
minute

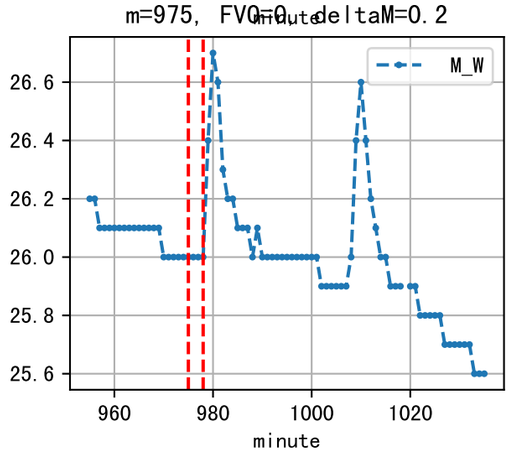

m=825, FVO=0, deltaM=0.6
M_W
minute

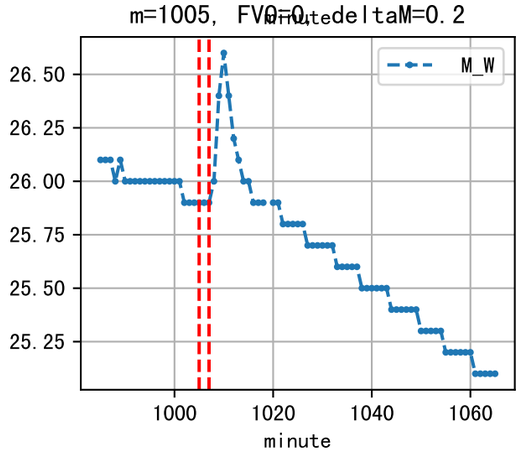

m=855, FVO=0, deltaM=0.6
M_W
minute


m=885, FVO=0, deltaM=0.7
M_W
minute


m=915, FVO=0, deltaM=nan
M_W
minute


m=945, FVO=0, deltaM=0.4
M_W
minute


m=975, FVO=0, deltaM=0.2
M_W
minute


m=1005, FVO=0, deltaM=0.2
M_W
minute