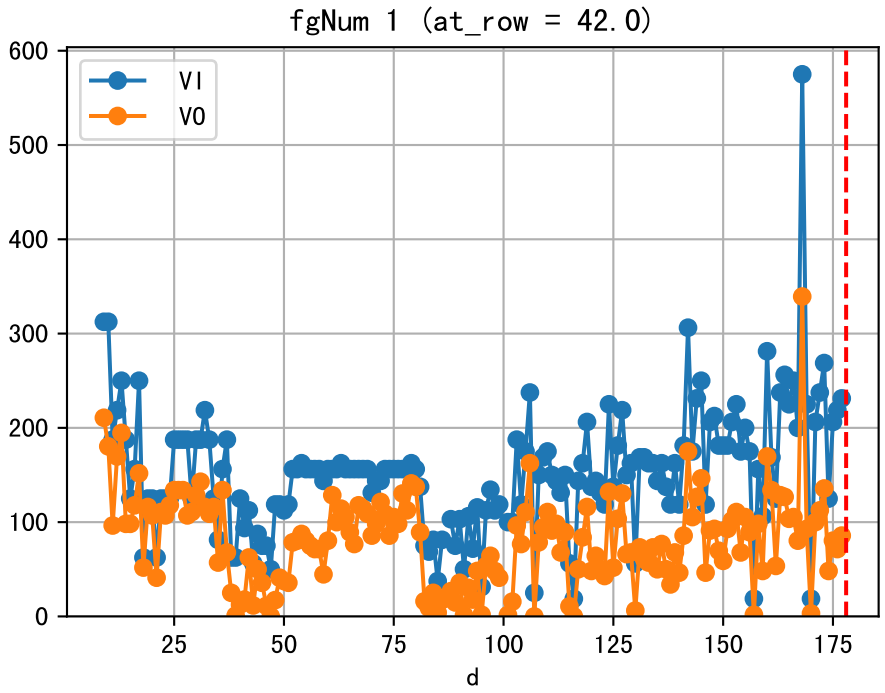
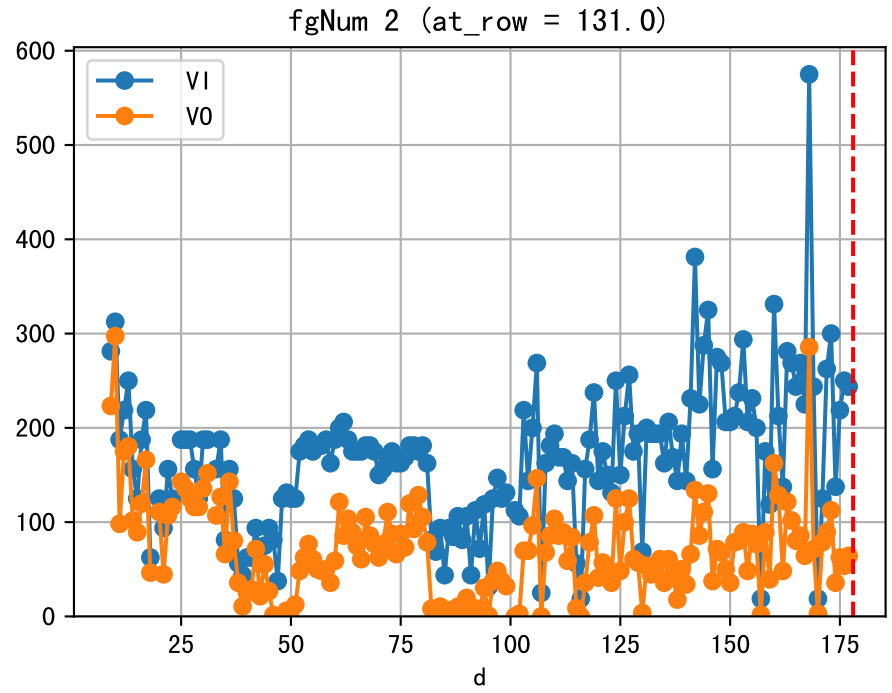
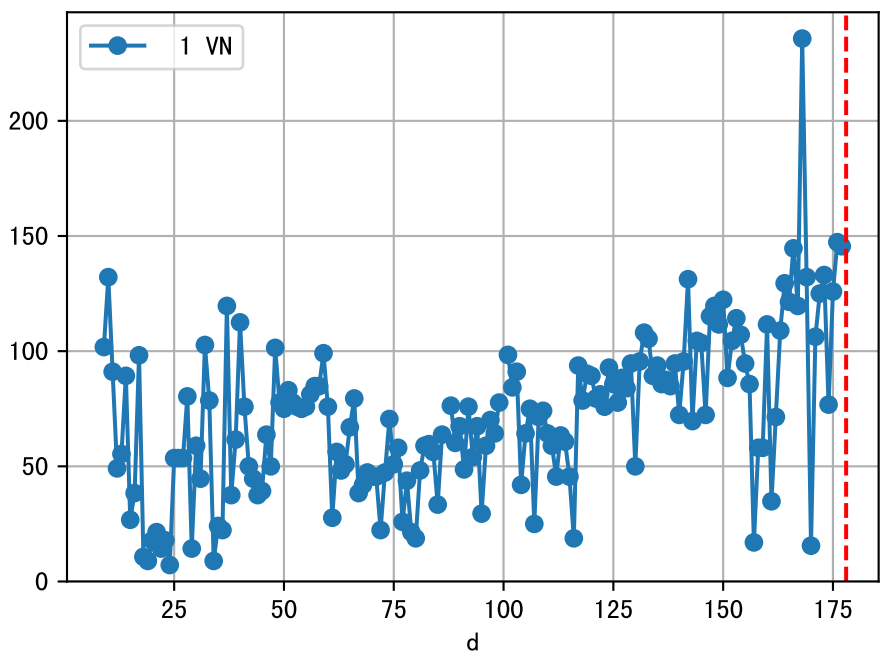
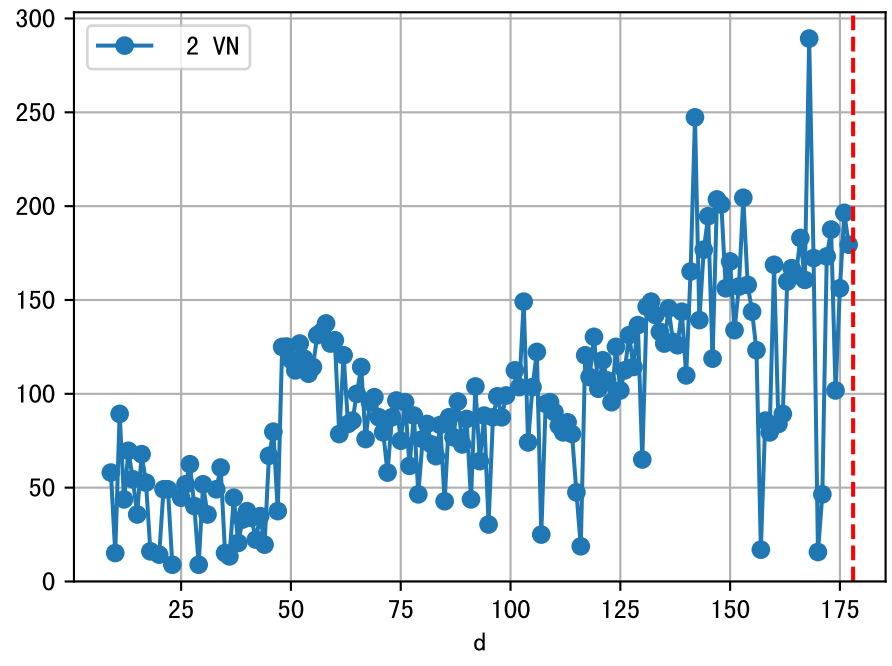
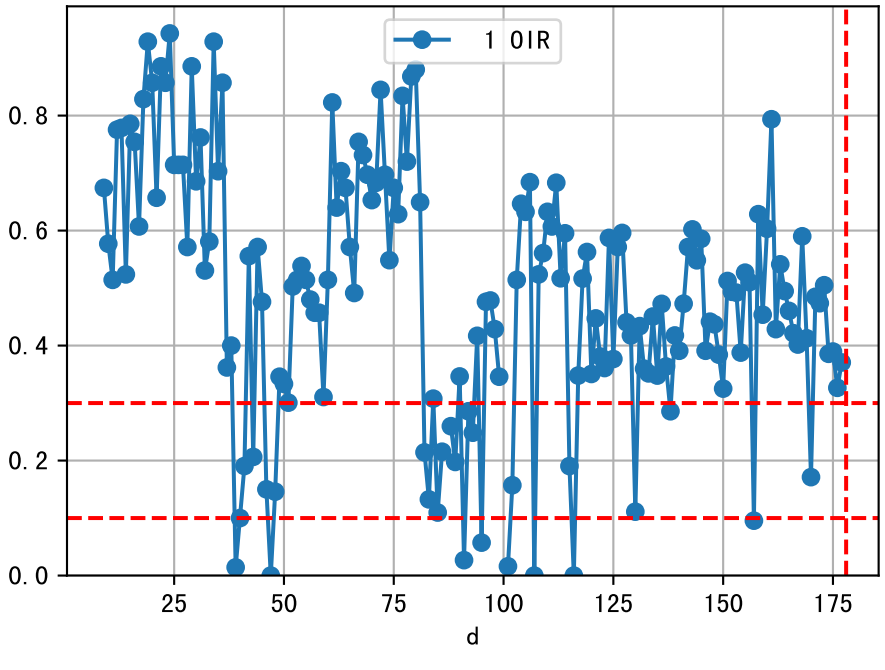
FgArea: ['0']
NC11 P1
2026-03-21 (Day 178)

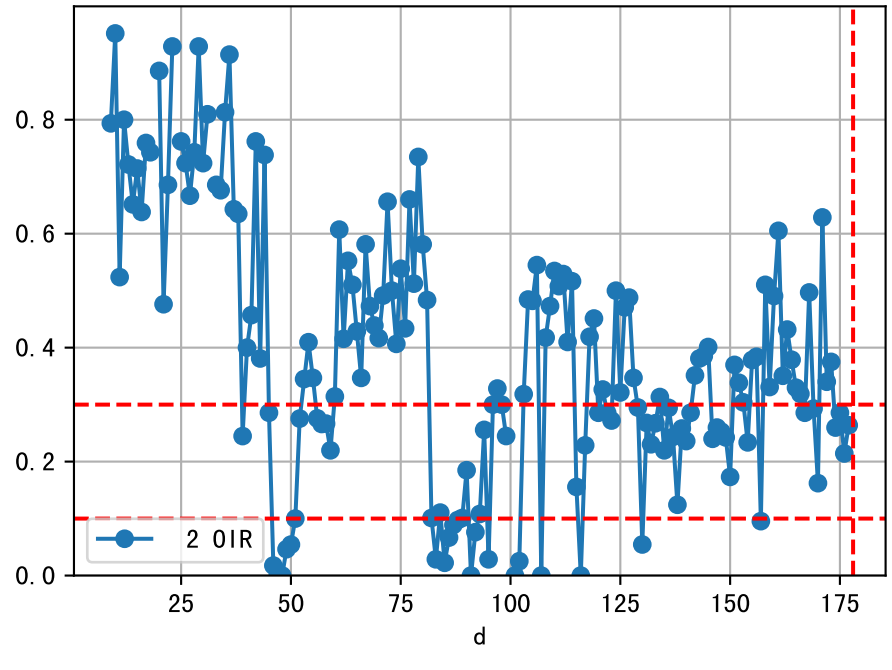

fgNum 1 (at_row = 42.0)
VI
VO
d

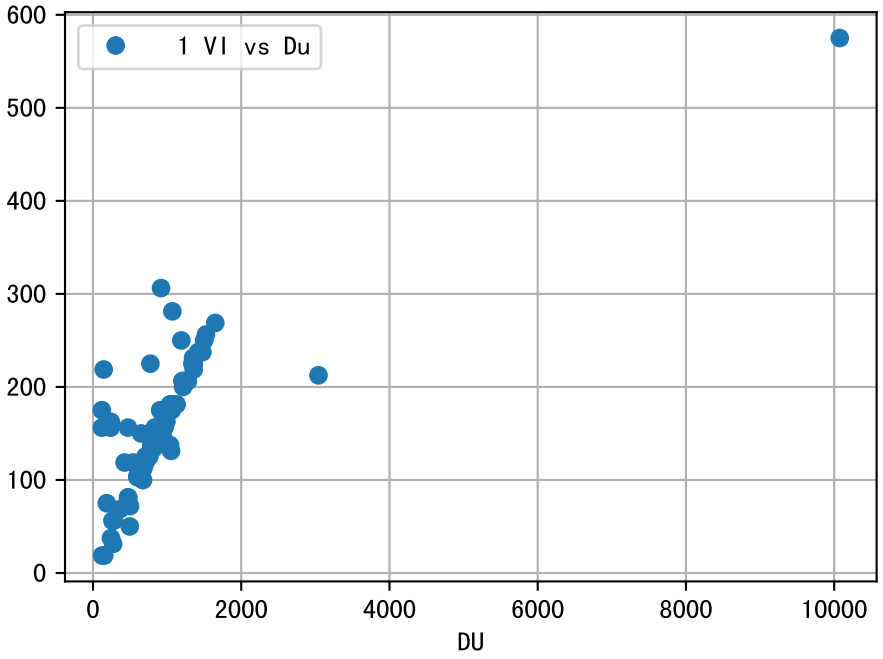

fgNum 2 (at_row = 131.0)
VI
VO
d

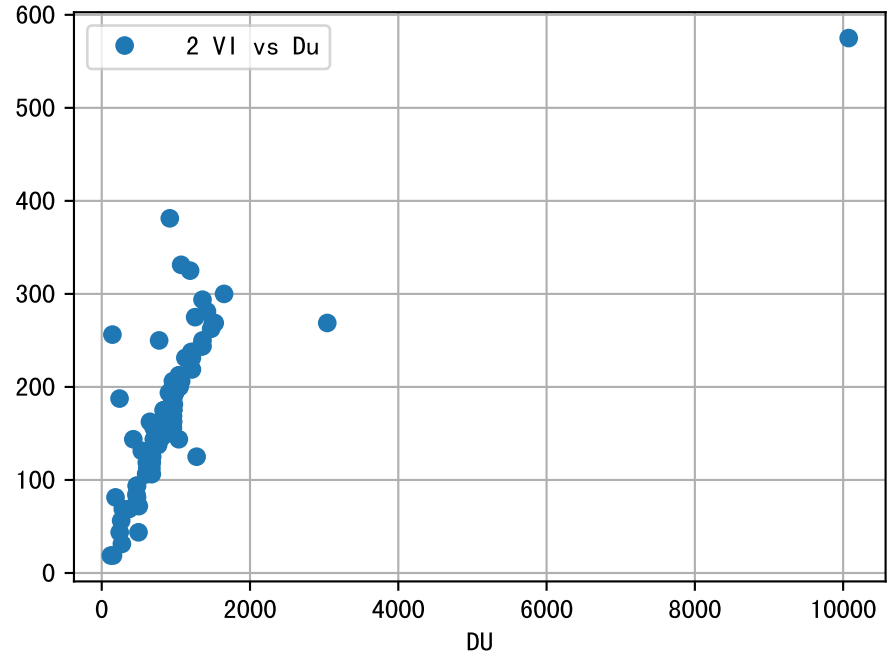

1 VN
d

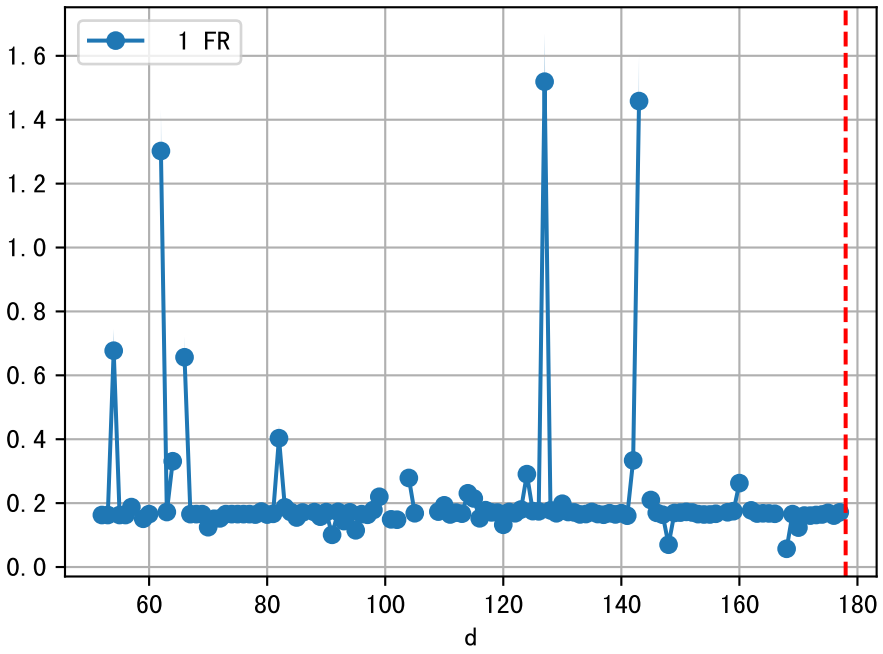

2 VN
d

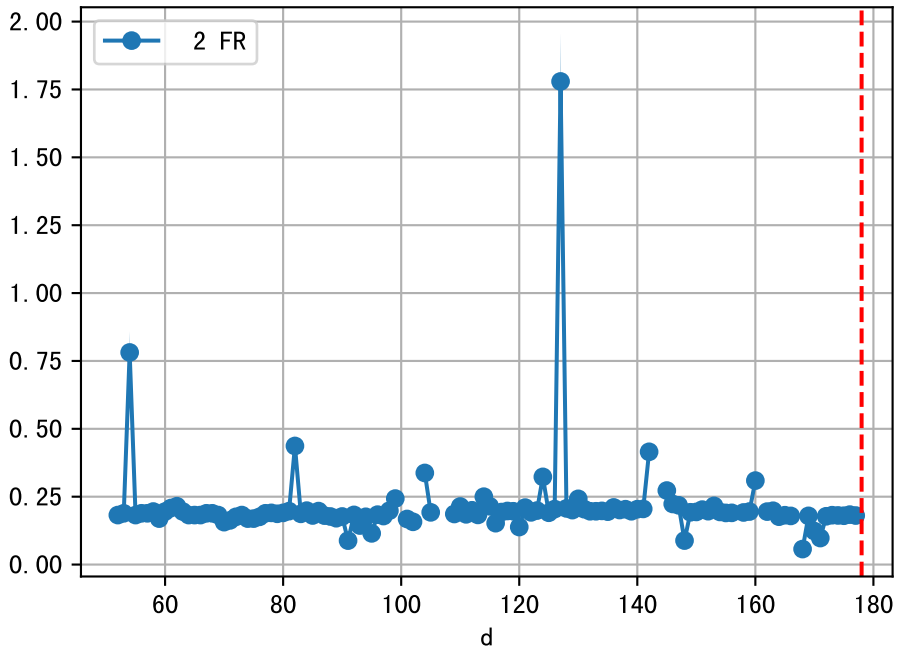

1 OIR
d

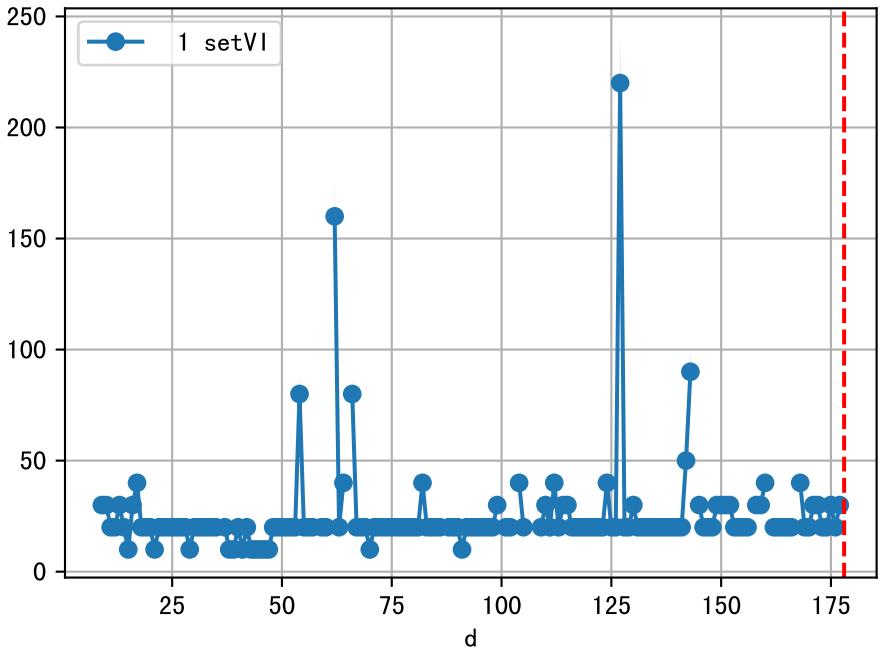

2 OIR
d

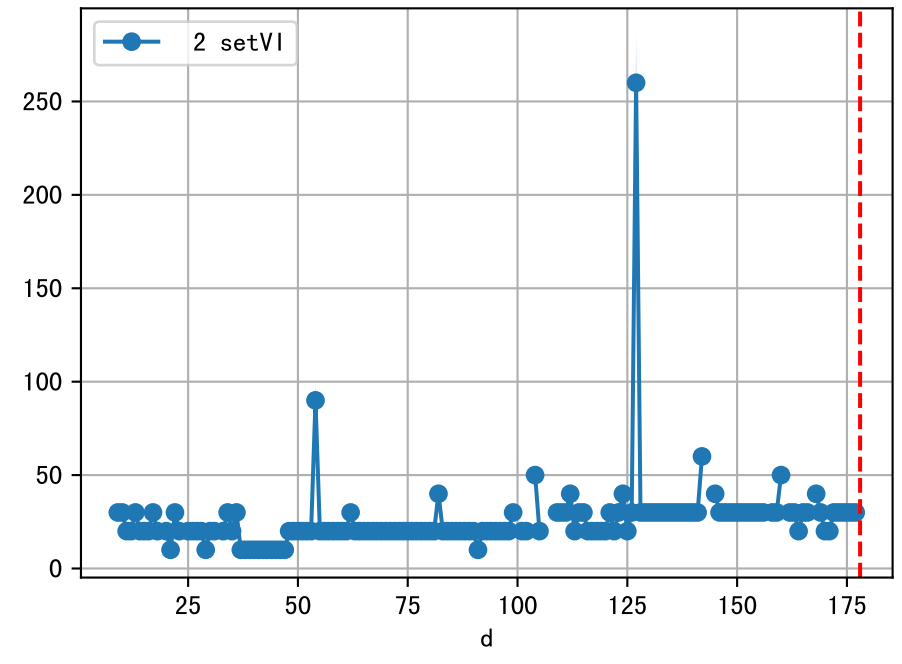

1 VI vs Du
DU

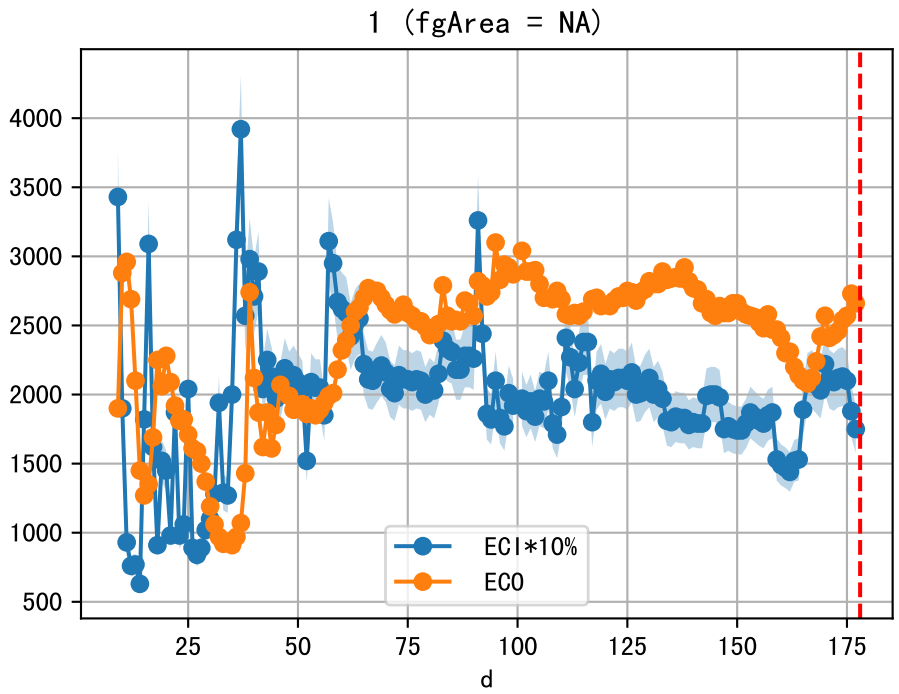

2 VI vs Du
DU

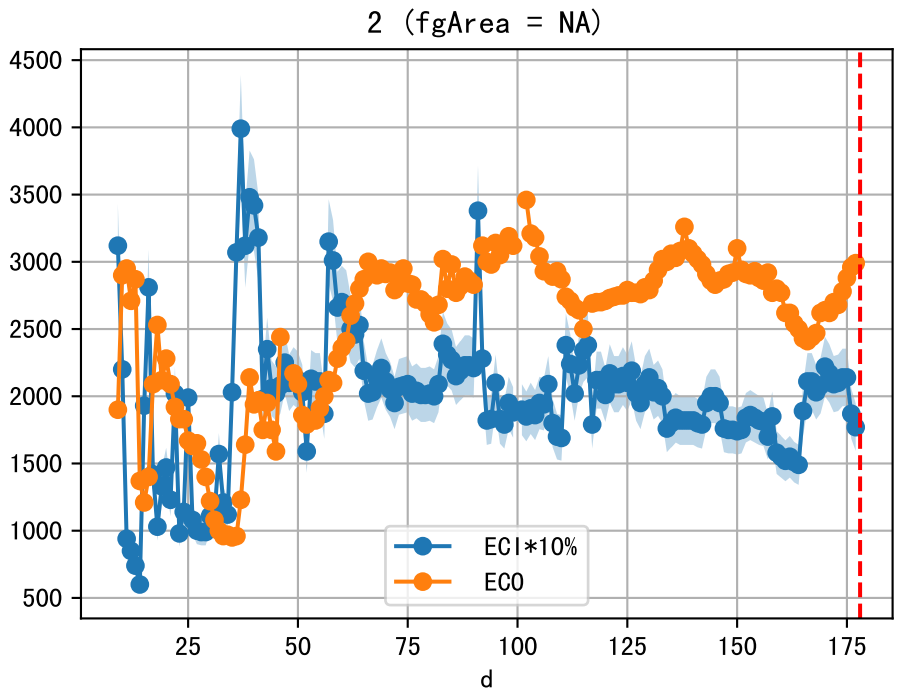

1 FR
d

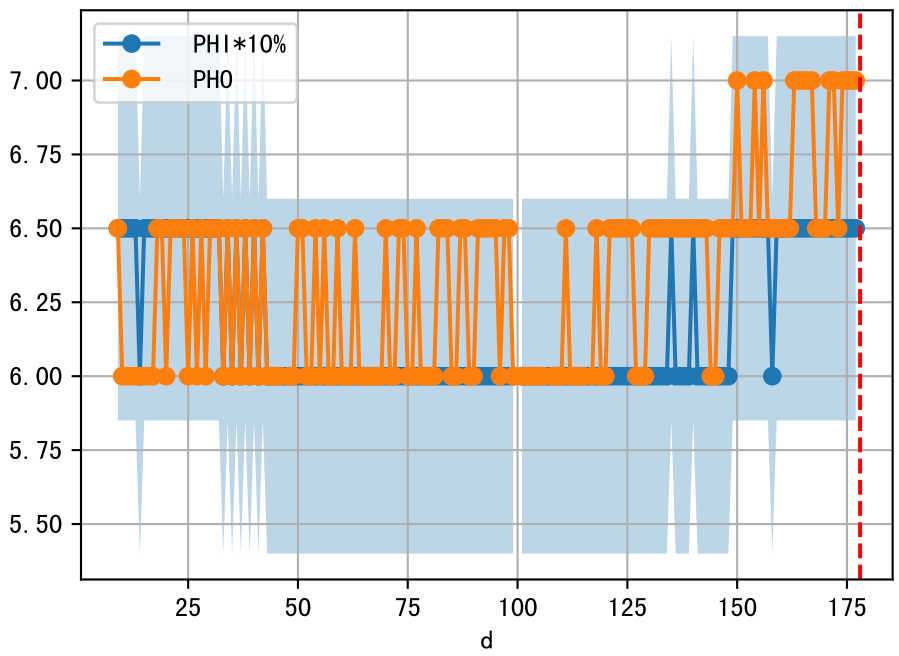

2 FR
d

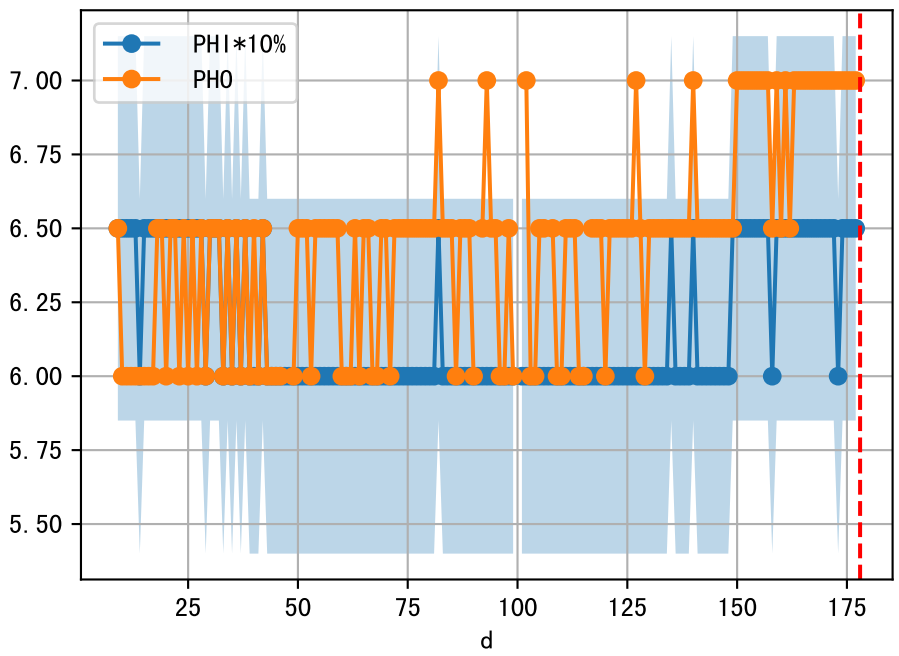

1 setVI
d

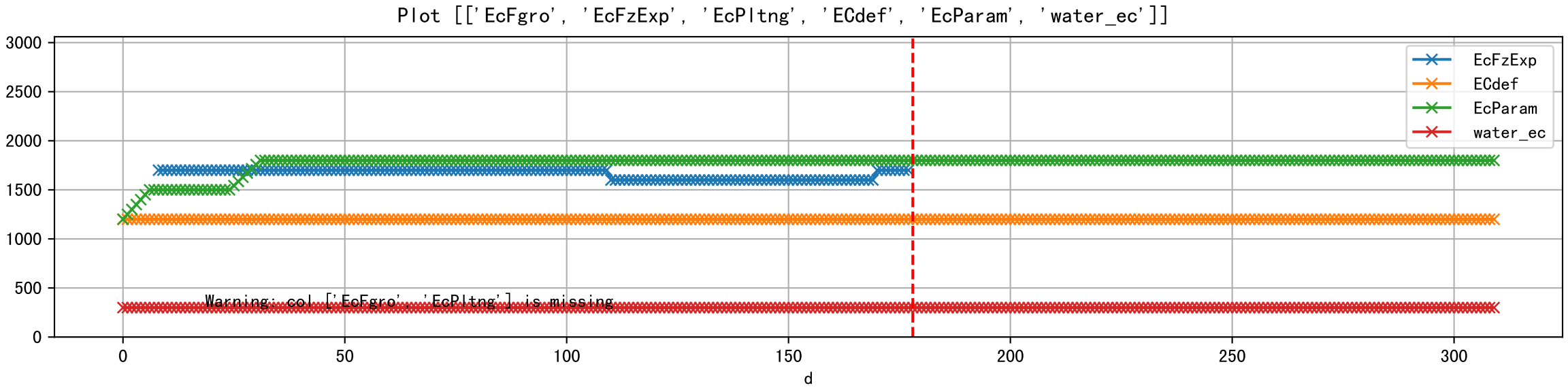

2 setVI
d

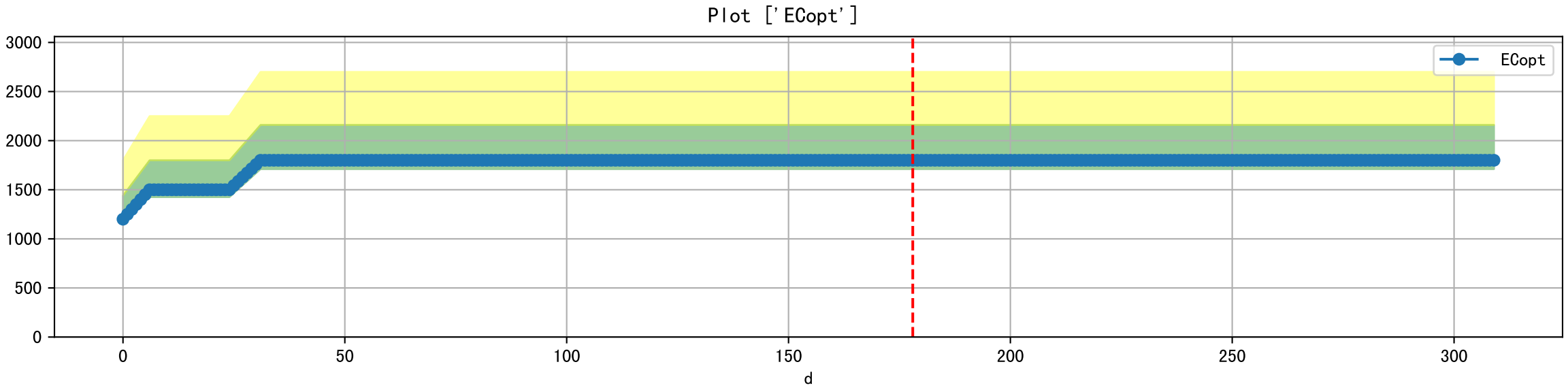

1 (fgArea = NA)
4000
3500
3000
2500
2000
1500
1000
500
ECI*10%
ECO
25
50
75
100
125
150
175
d

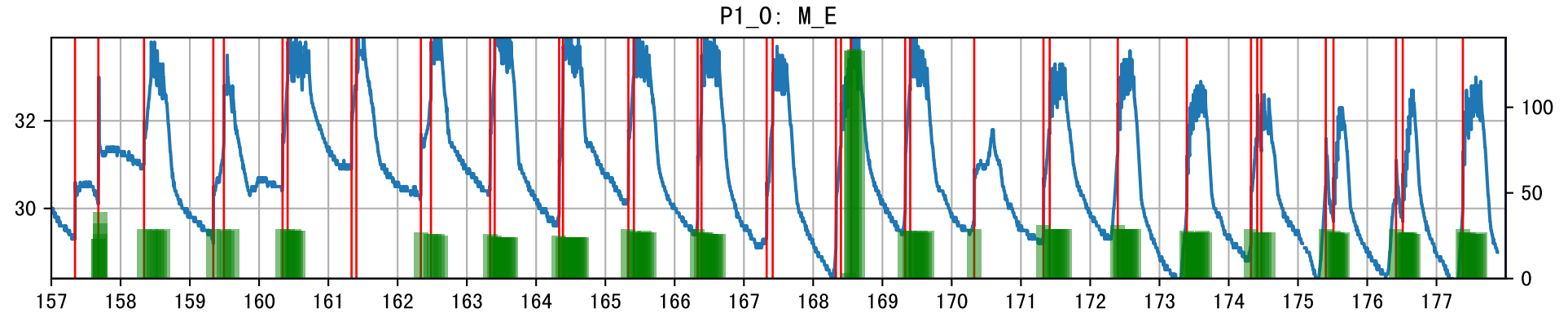

2 (fgArea = NA)
4500
4000
3500
3000
2500
2000
1500
1000
500
ECI*10%
ECO
25
50
75
100
125
150
175
d

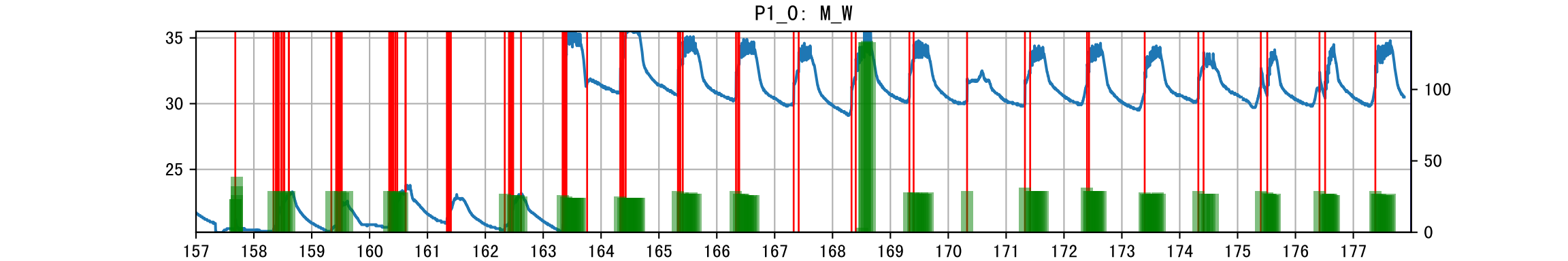

PHI*10%
PHO
7.00
6.75
6.50
6.25
6.00
5.75
5.50
25
50
75
100
125
150
175
d


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

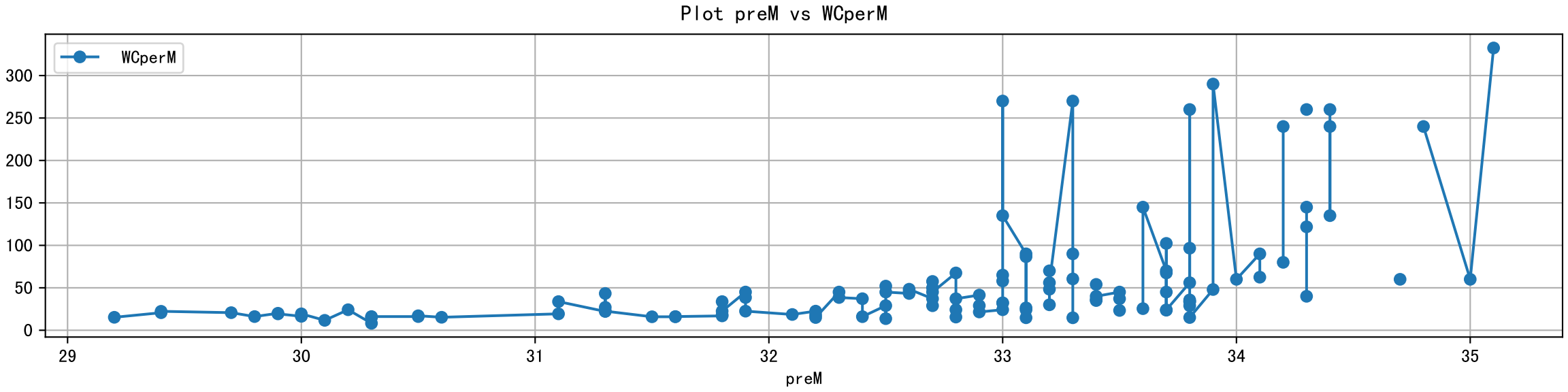

Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'EcParam', 'water_ec']]
EcFzExp
ECdef
EcParam
water_ec
Warning: col ['EcFgro', 'EcPltng'] is missing
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
250
300
d

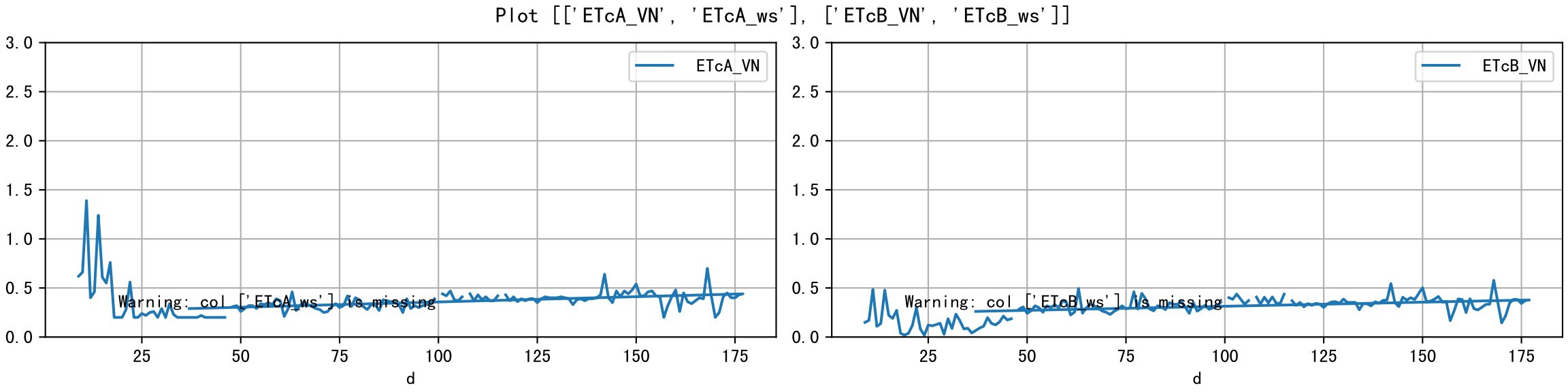

Plot ['ECopt']
ECopt
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
250
300
d

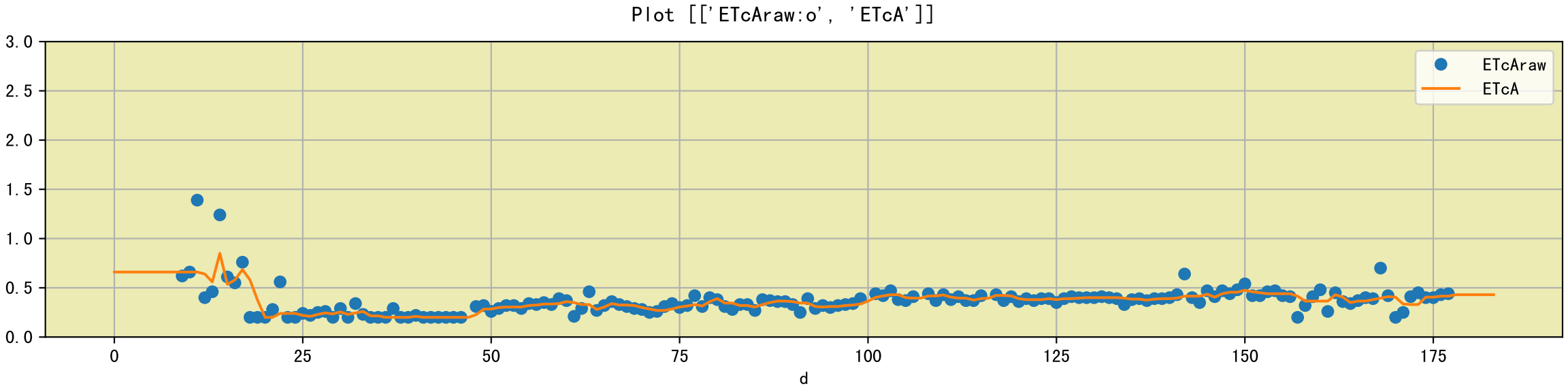

P1_0: M_E
32
30
100
50
0
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177

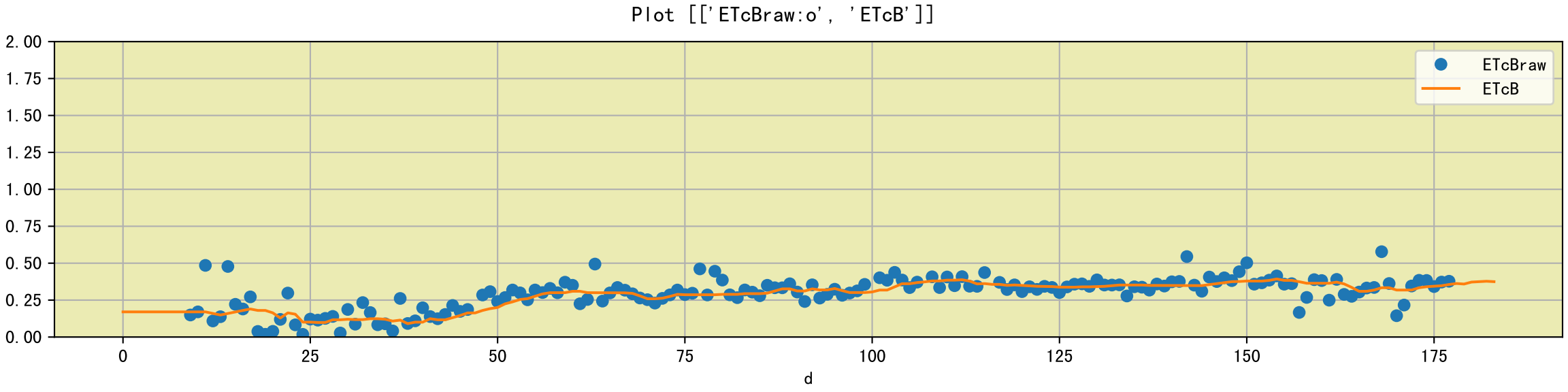

P1_O: M_W
35
30
25
100
50
0
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177

Plot Sensor and FgRec Data

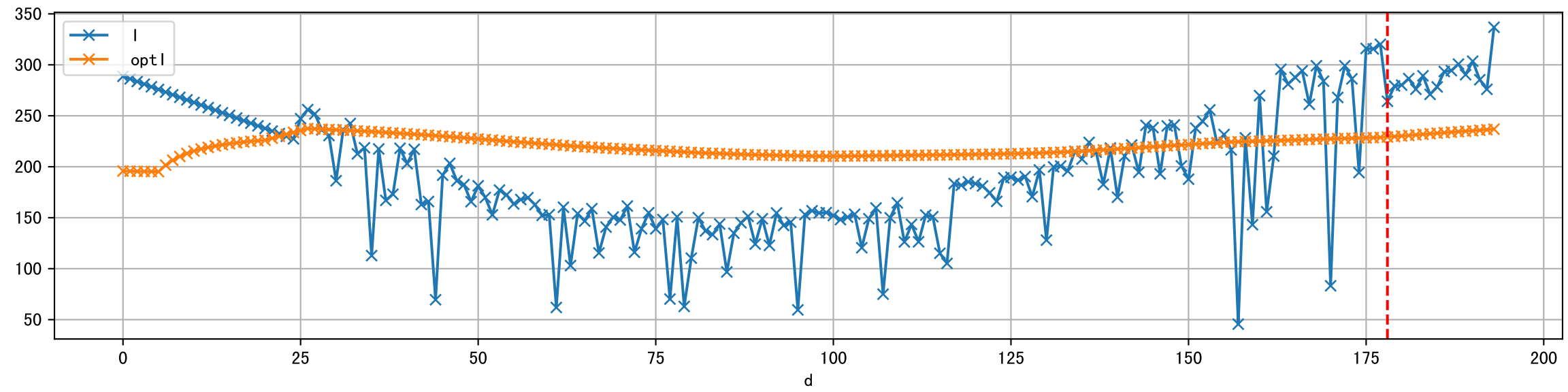

Plot preM vs WCperM
WCperM
300
250
200
150
100
50
0
29
30
31
32
33
34
35
preM

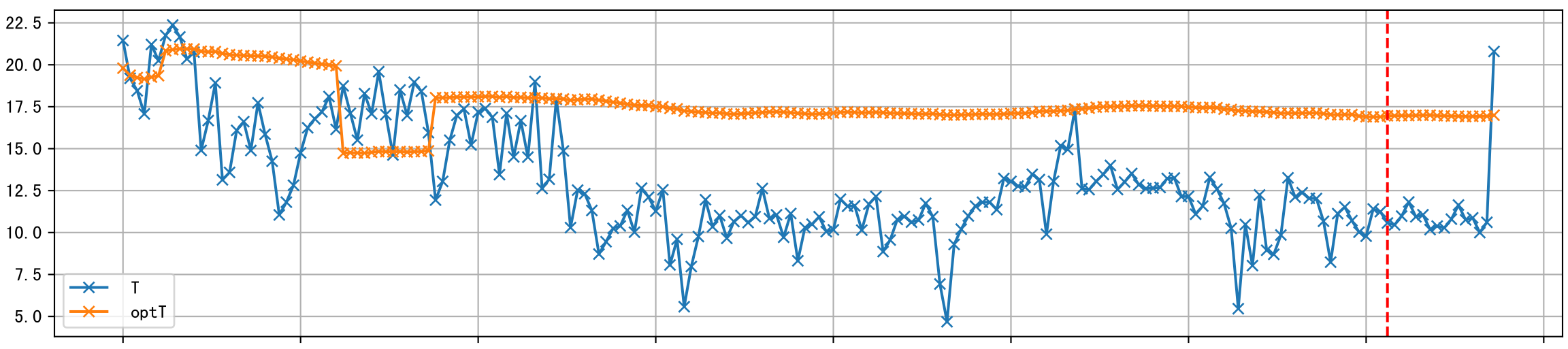

Plot [['ETcA_VN', 'ETcA_ws'], ['ETcB_VN', 'ETcB_ws']]
ETcA_VN
Warning: col ['ETcA_ws'] is missing
ETcB_VN
Warning: col ['ETcB_ws'] is missing
d
d

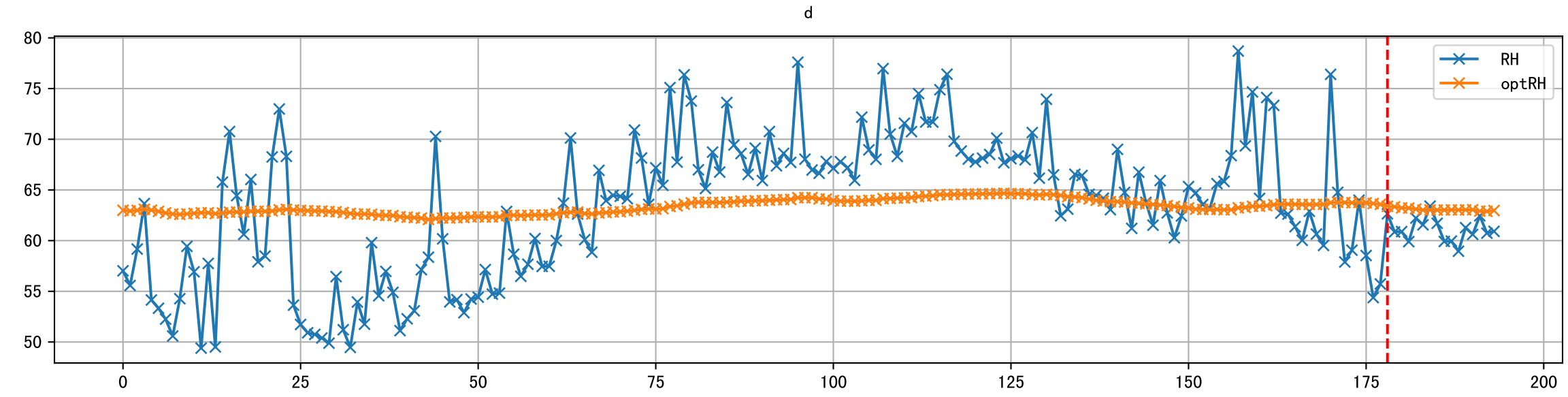

Plot [['ETcAraw:o', 'ETcA']]
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0
25
50
75
100
125
150
175
d
ETcAraw
ETcA

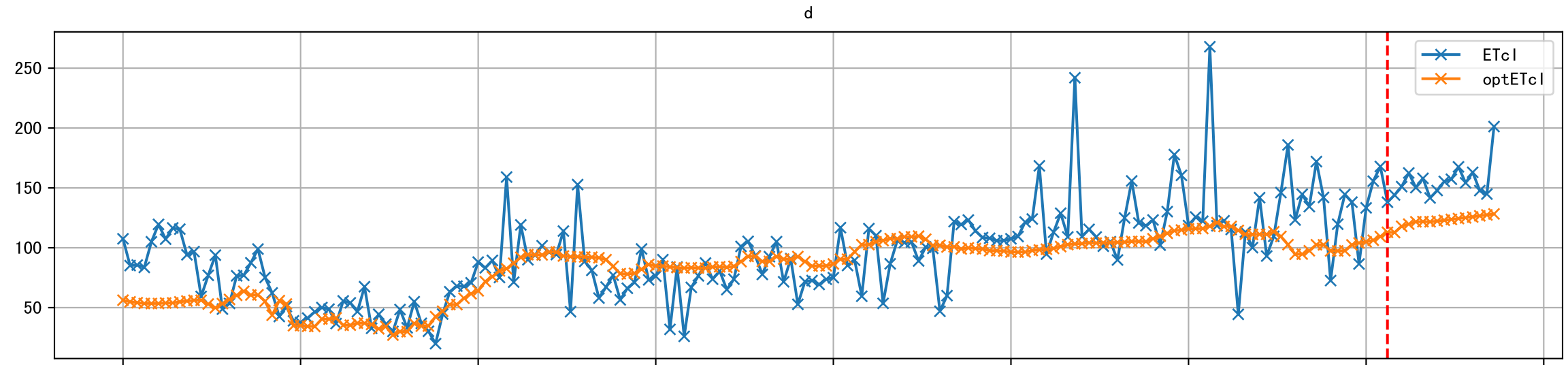

Plot [['ETcBraw:o', 'ETcB']]
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
0
25
50
75
100
125
150
175
d
ETcBraw
ETcB

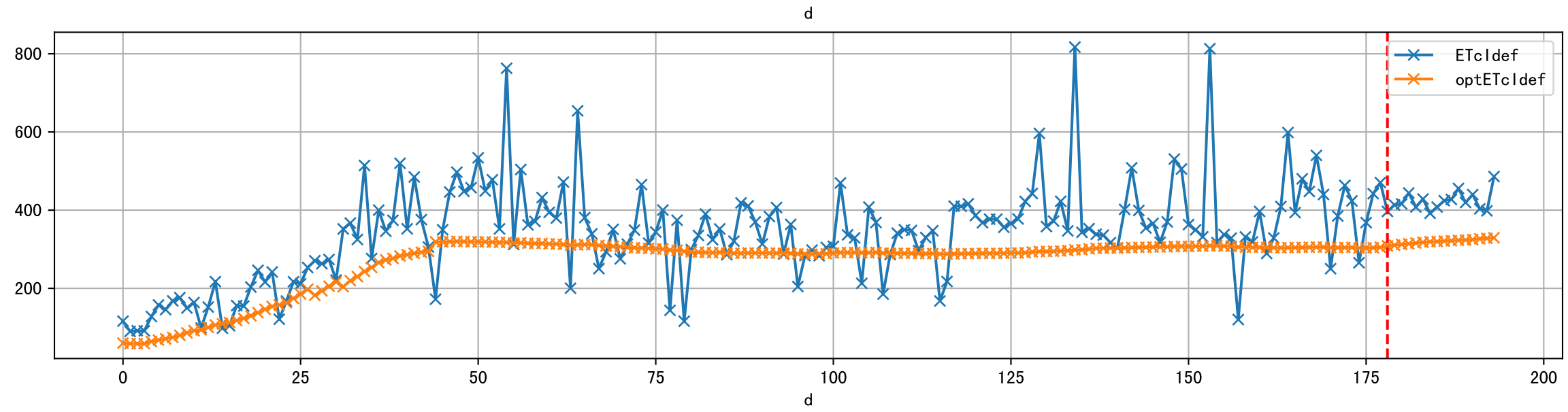
I'], ['T', 'optT'], ['RH', 'optRH'], ['ETcI', 'optETcI'], ['ETcIdef', 'optETcIdef'], ['ETo', 'optETo'], 'LAI', ['optEtRate', 'optEtRateDef', '

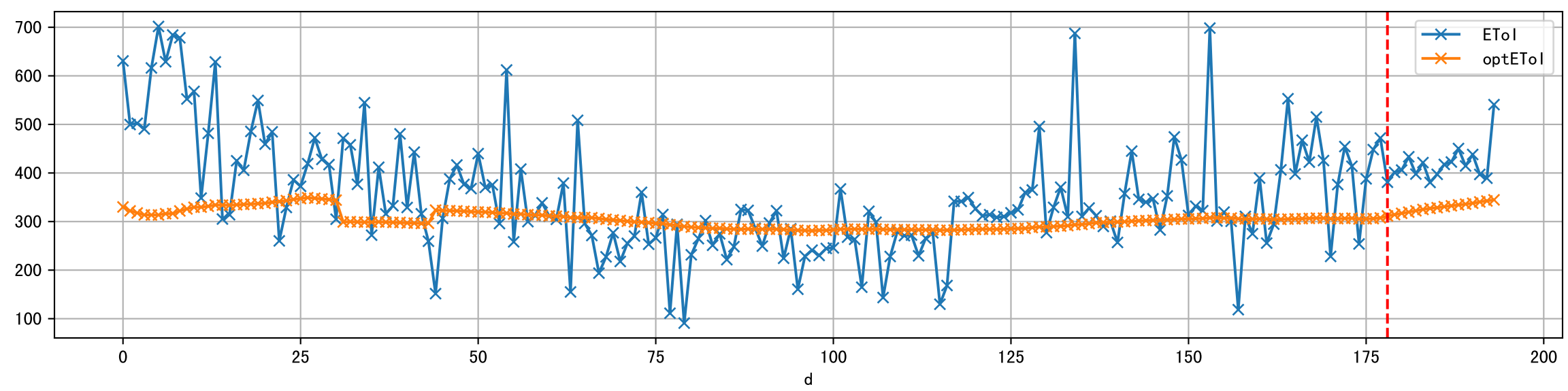


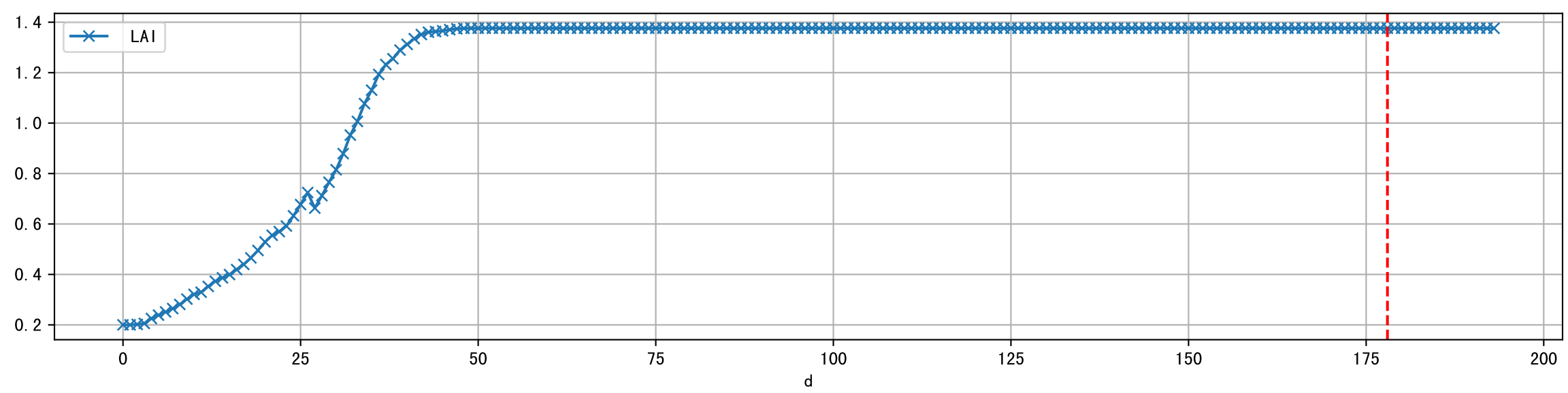


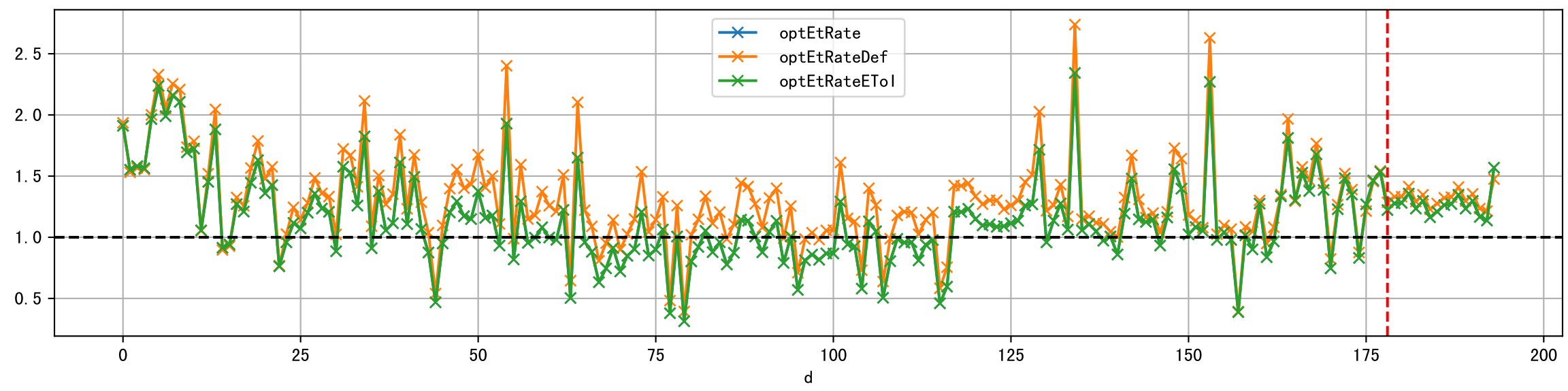


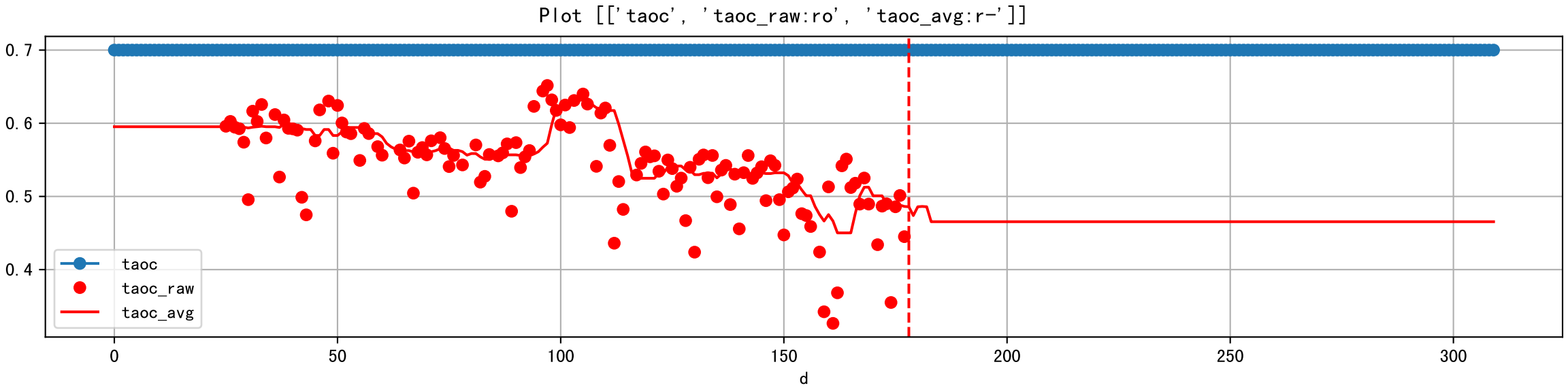


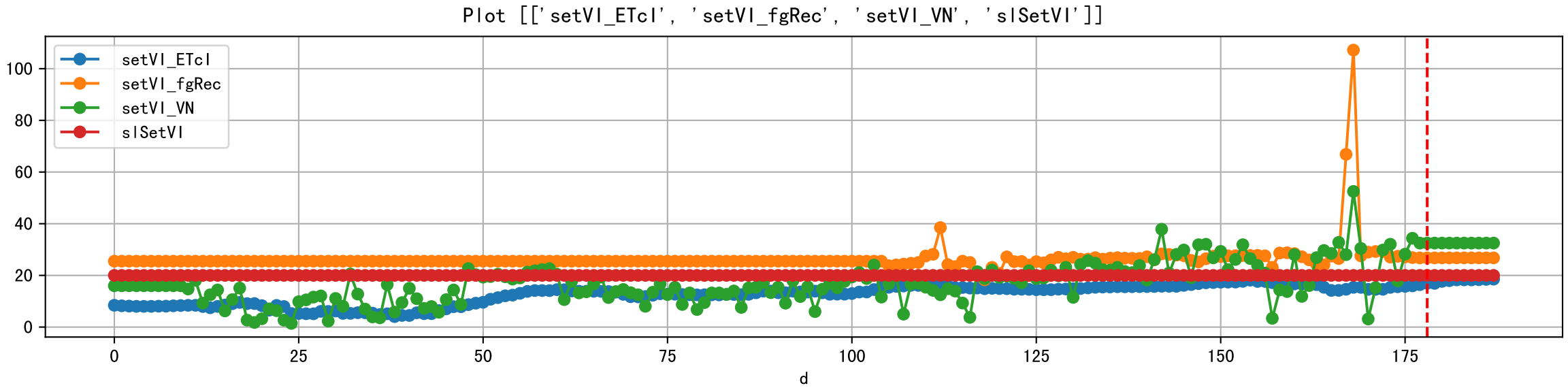


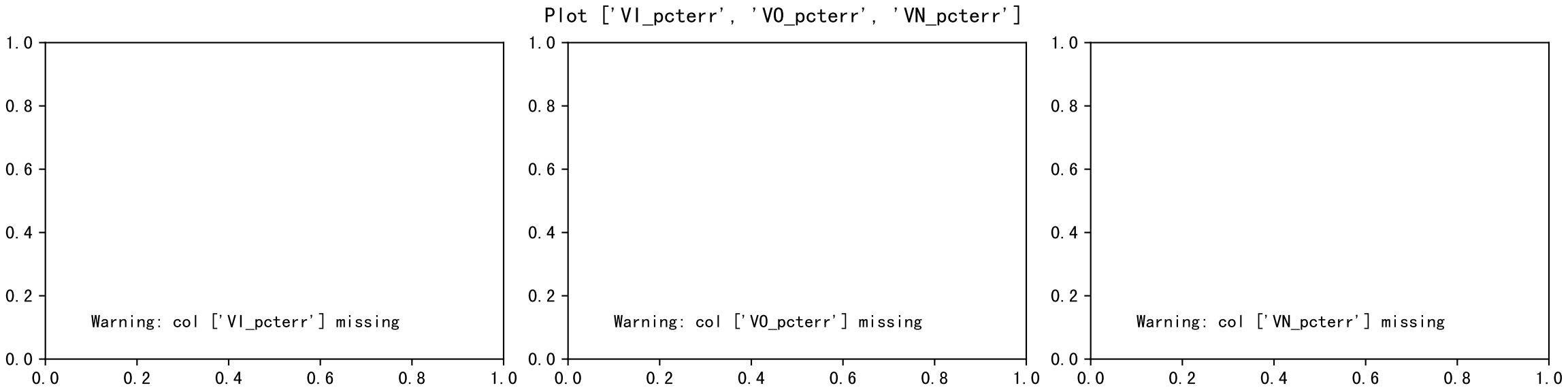


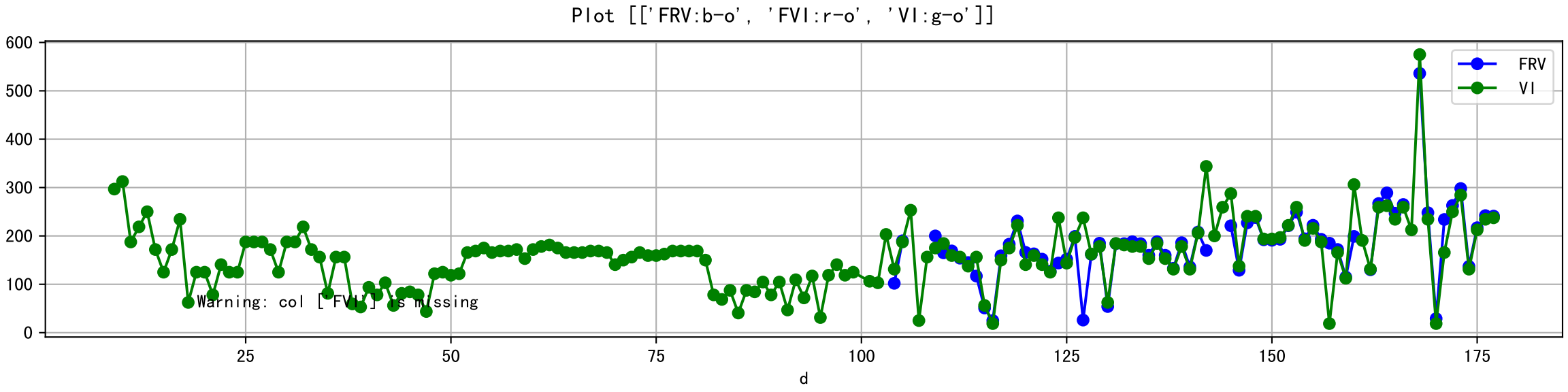


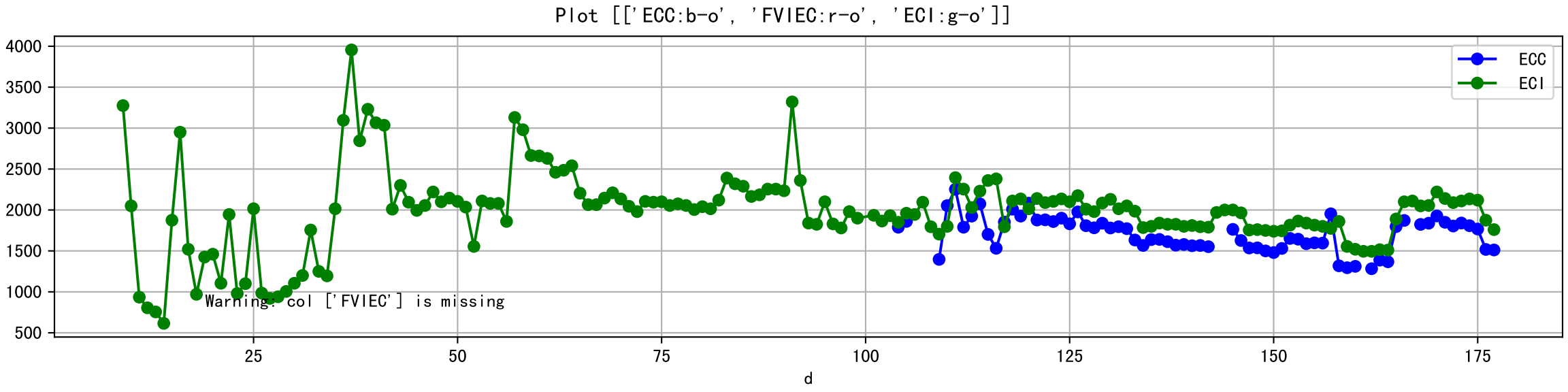


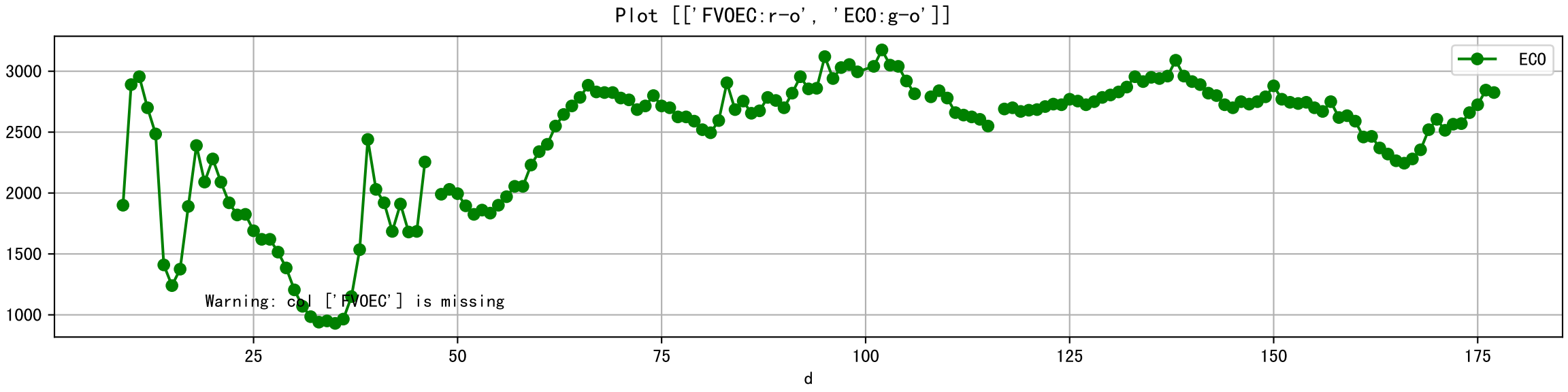

Plot [['taoc', 'taoc_raw:ro', 'taoc_avg:r-']]
0.7
0.6
0.5
0.4
taoc
taoc_raw
taoc_avg
0
50
100
150
200
250
300
d

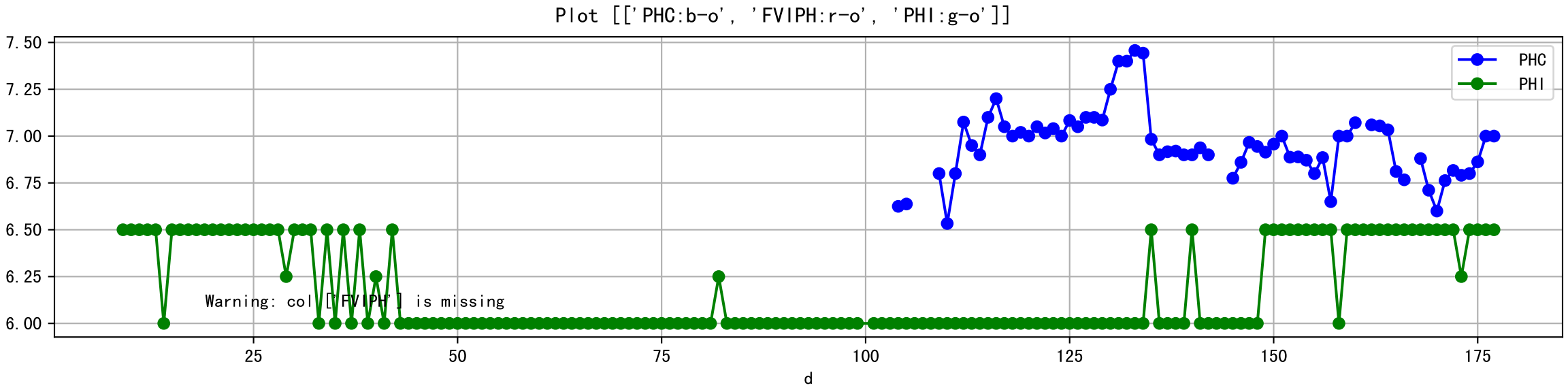

Plot [['setVI_ETcl', 'setVI_fgRec', 'setVI_VN', 'slSetVI']]
setVI_ETcl
setVI_fgRec
setVI_VN
slSetVI
100
80
60
40
20
0
0
25
50
75
100
125
150
175
d

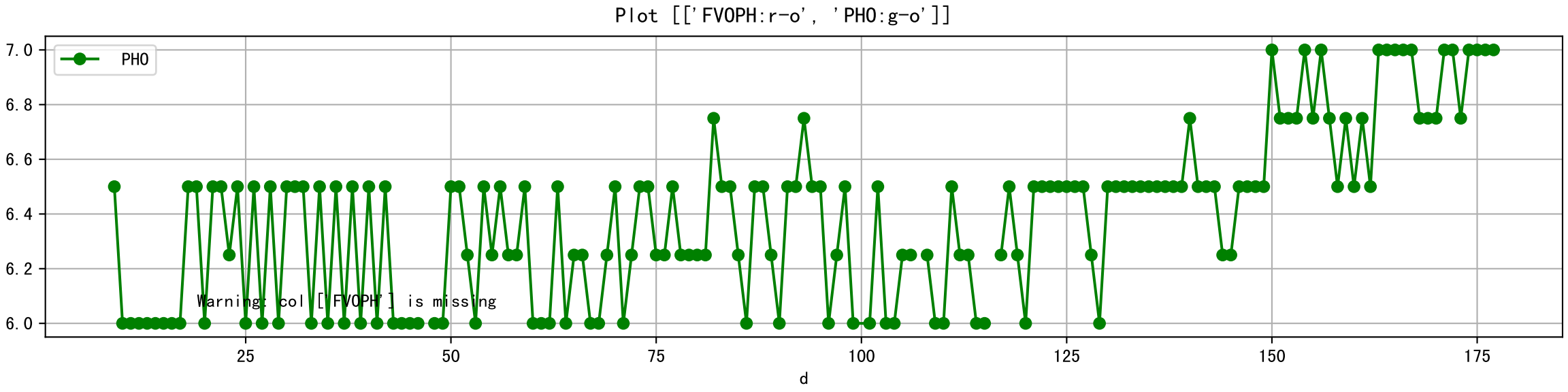

Plot ['VI_pcterr', 'VO_pcterr', 'VN_pcterr']
Warning: col ['VI_pcterr'] missing
Warning: col ['VO_pcterr'] missing
Warning: col ['VN_pcterr'] missing
0.0
0.2
0.4
0.6
0.8
1.0

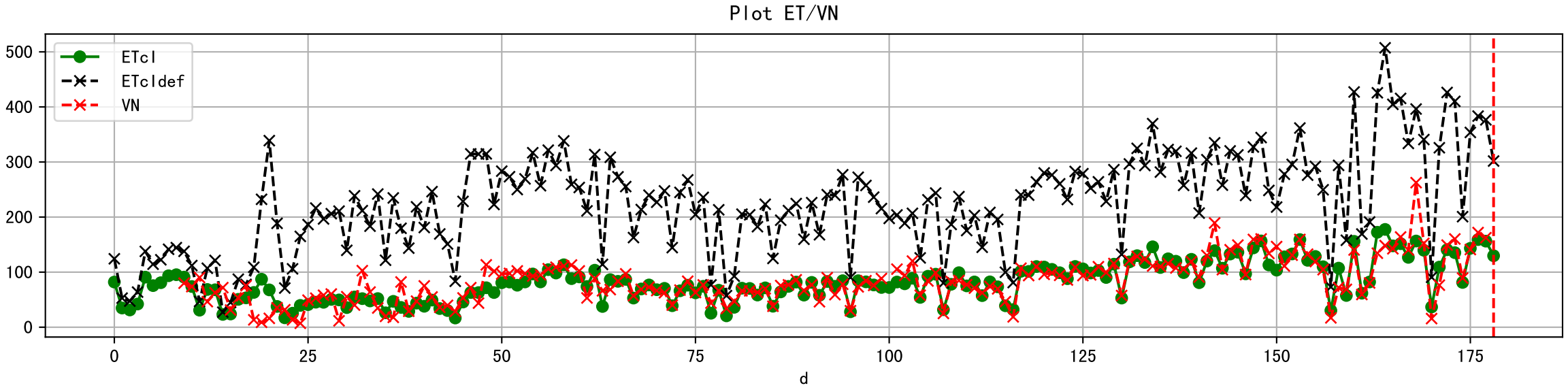

Plot [['FRV:b-o', 'FVI:r-o', 'VI:g-o']]
FRV
VI
Warning: col ['FVI'] is missing
600
500
400
300
200
100
0
25
50
75
100
125
150
175
d

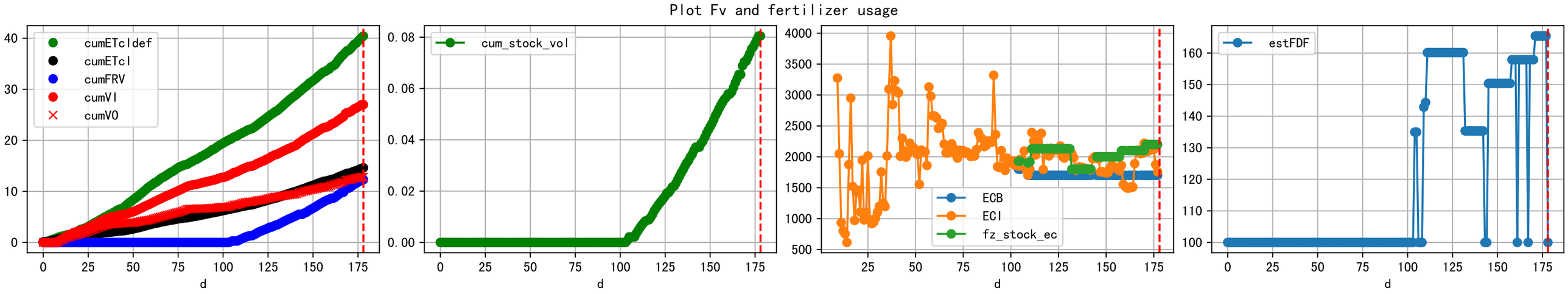

Plot [['ECC:b-o', 'FVIEC:r-o', 'ECI:g-o']]
ECC
ECI
Warning: col ['FVIEC'] is missing
4000
3500
3000
2500
2000
1500
1000
500
25
50
75
100
125
150
175
d

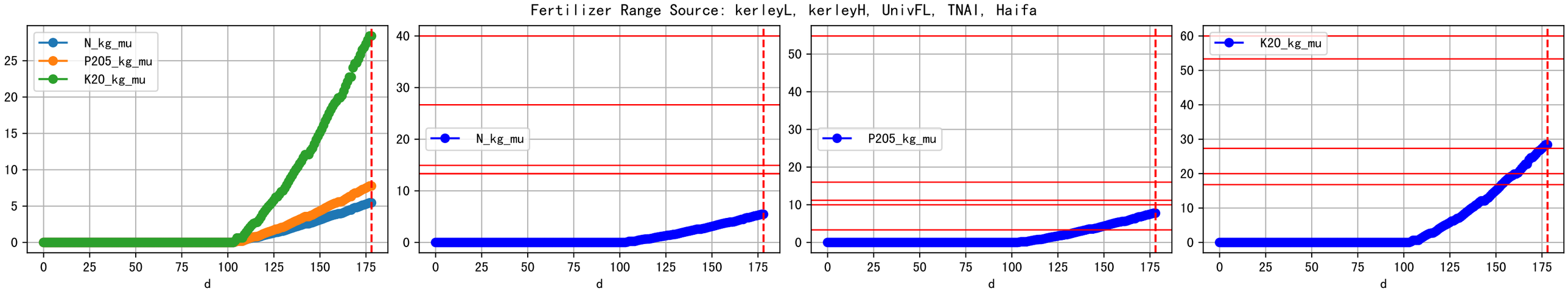

Plot [['FVOEC:r-o', 'ECO:g-o']]
ECO
Warning: col ['FVOEC'] is missing
3000
2500
2000
1500
1000
25
50
75
100
125
150
175
d

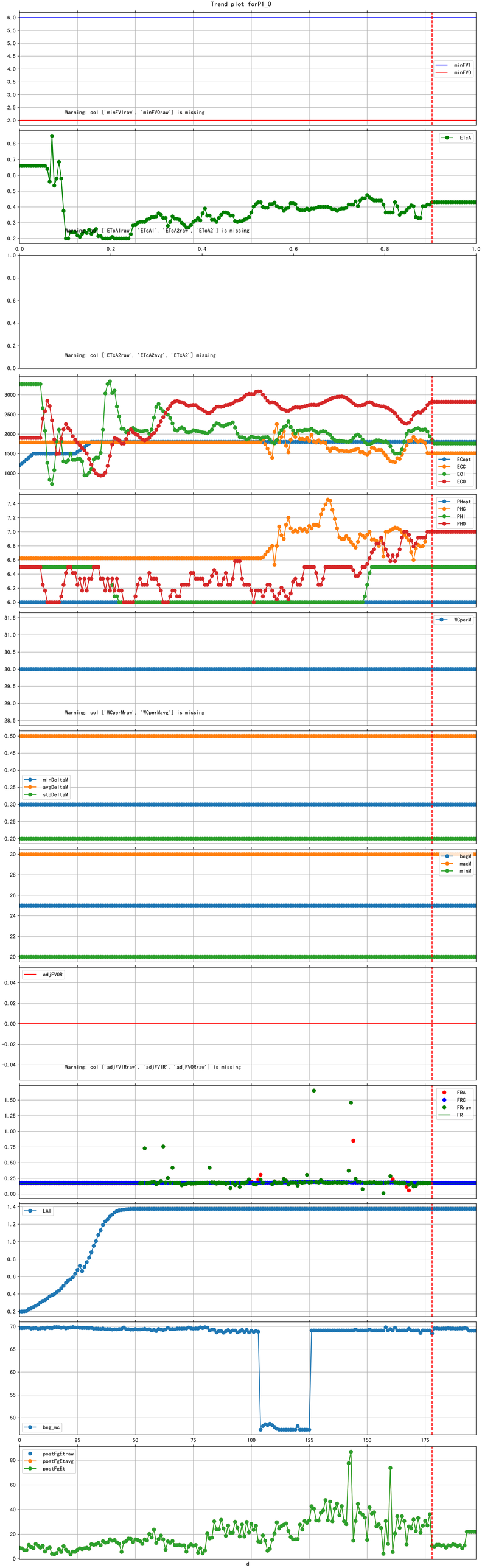

Plot [['PHC:b-o', 'FVIPH:r-o', 'PHI:g-o']]
7.50
7.25
7.00
6.75
6.50
6.25
6.00
25
50
75
100
125
150
175
d
PHC
PHI
Warning: col ['FVIPH'] is missing

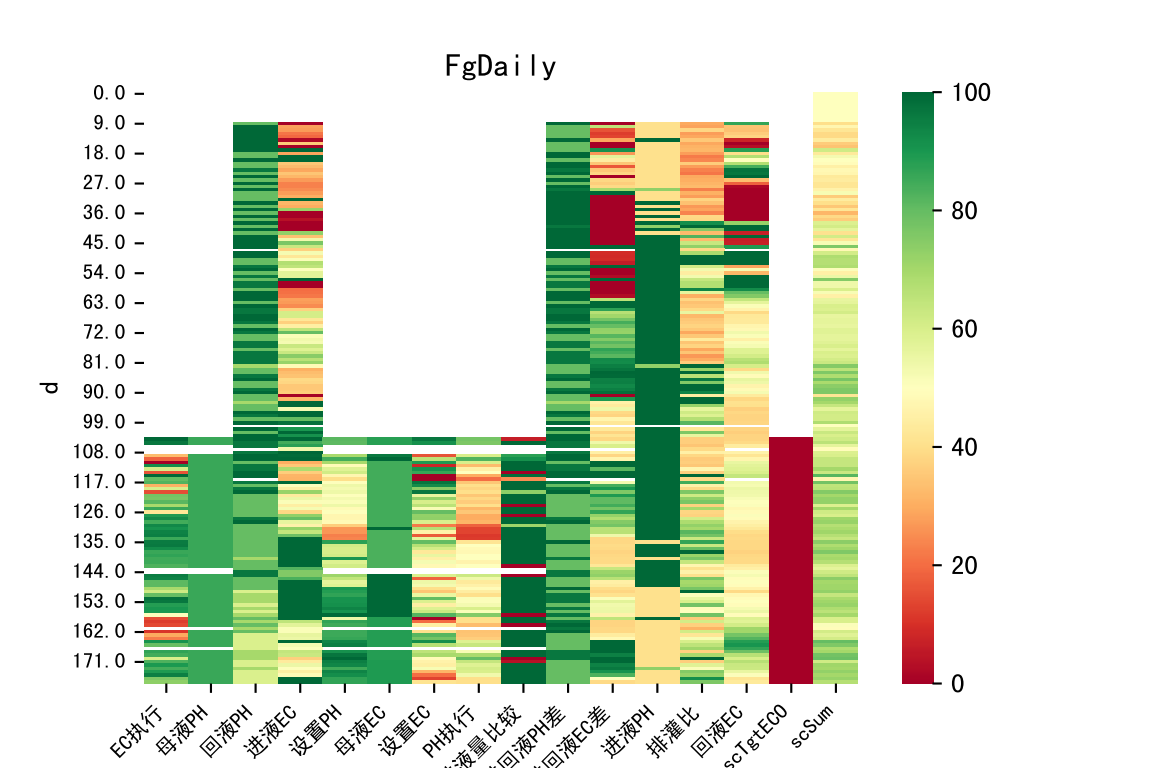

Plot [['FVOPH:r-o', 'PHO:g-o']]
PHO
Warning: col ['FVOPH'] is missing
7.0
6.8
6.6
6.4
6.2
6.0
25
50
75
100
125
150
175
d


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

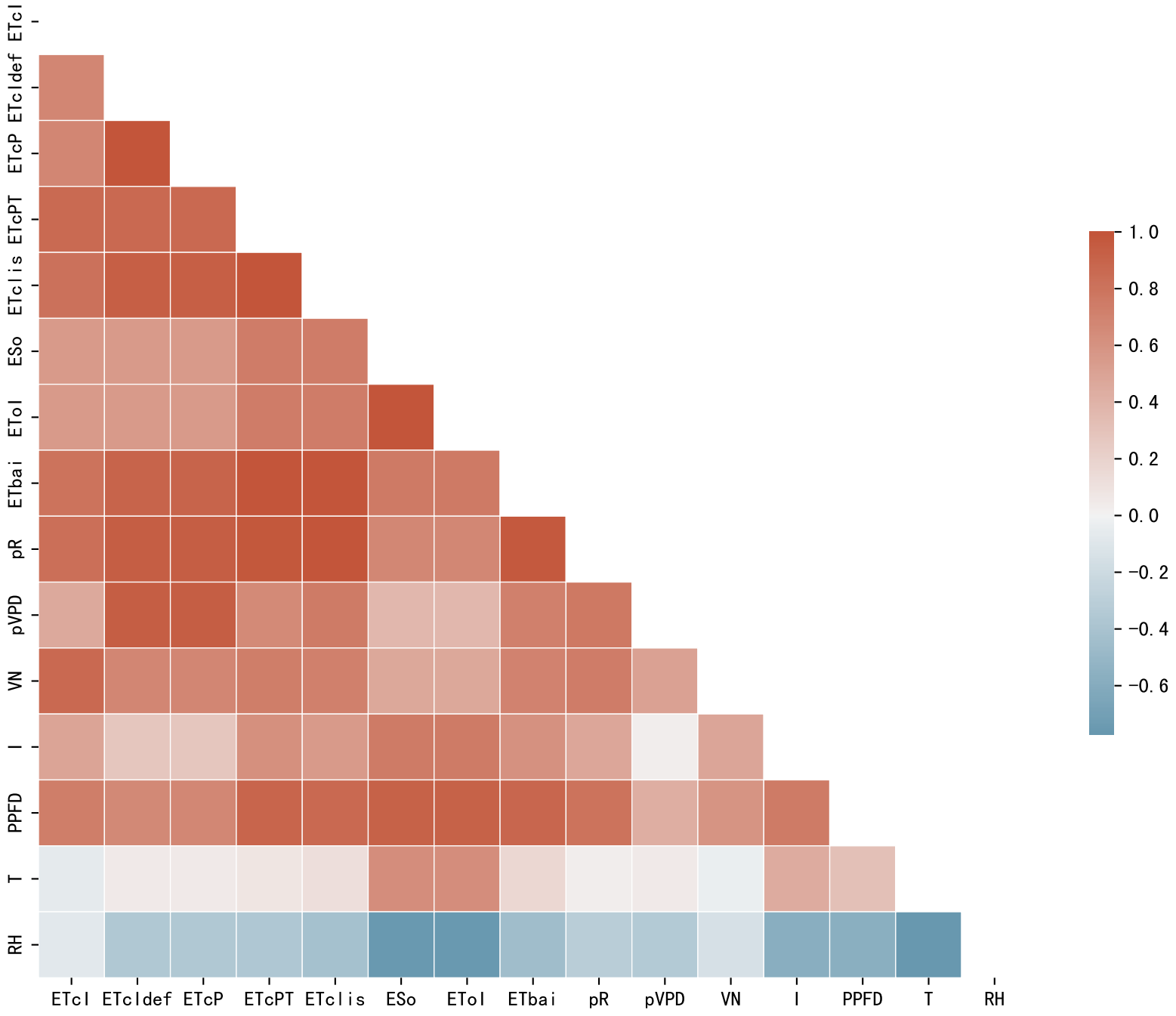

Plot Fv and fertilizer usage
cumETcIdef
cumETcI
cumFRV
cumVI
cumVO
d
cum_stock_vol
d
ECB
ECI
fz_stock_ec
d
estFDF
d

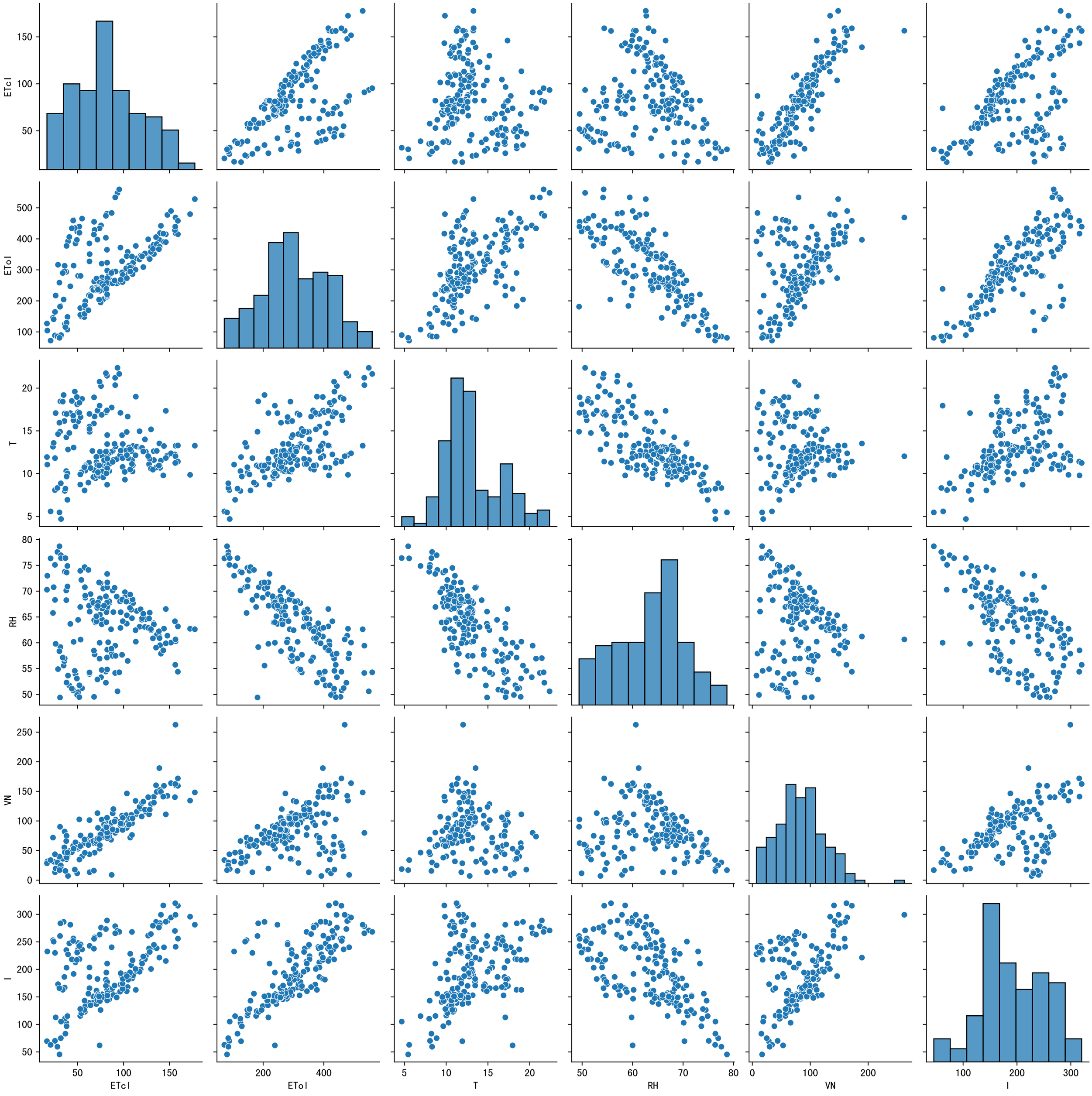

Fertilizer Range Source: kerleyL, kerleyH, UnivFL, TNAI, Haifa
N_kg_mu
P205_kg_mu
K20_kg_mu
d

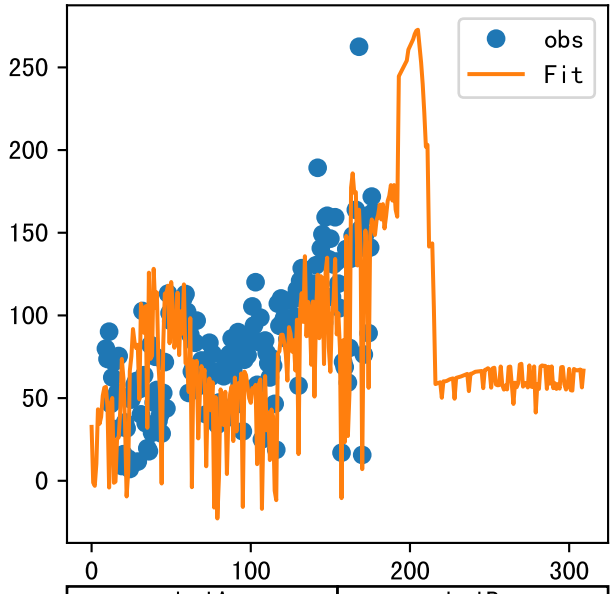

Trend plot forP1_0
minFVI
minFVO
Warning: col ['minFVIraw', 'minFVOraw'] is missing
ETcA
Warning: col ['ETcA1raw', 'ETcA1', 'ETcA2raw', 'ETcA2'] is missing
Warning: col ['ETcA2raw', 'ETcA2avg', 'ETcA2'] is missing
ECopt
ECC
ECI
ECO
PHopt
PHC
PHI
PHO
WCperM
Warning: col ['WCperMraw', 'WCperMavg'] is missing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

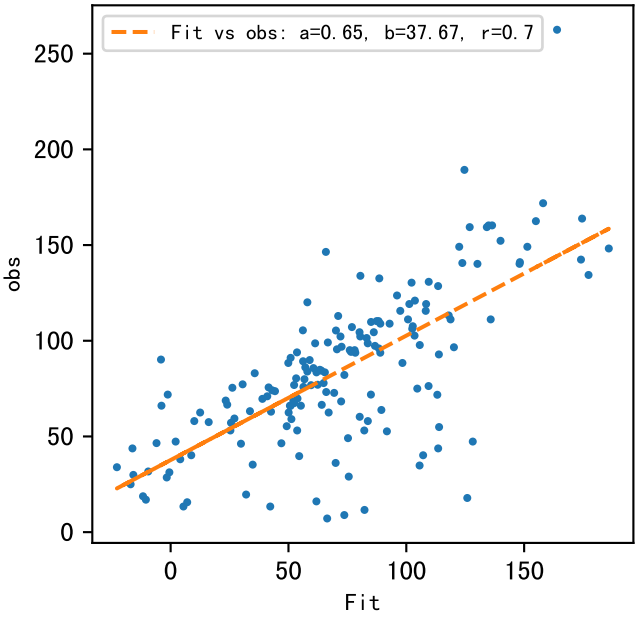

FgDaily
d
0.0
9.0
18.0
27.0
36.0
45.0
54.0
63.0
72.0
81.0
90.0
99.0
108.0
117.0
126.0
135.0
144.0
153.0
162.0
171.0
100
80
60
40
20
0
EC执行
母液PH
回液PH
进液EC
设置PH
母液EC
设置EC
PH执行
液量比较
回液PH差
回液EC差
进液PH
排灌比
回液EC
scTgtEC0
scSum

P1_0

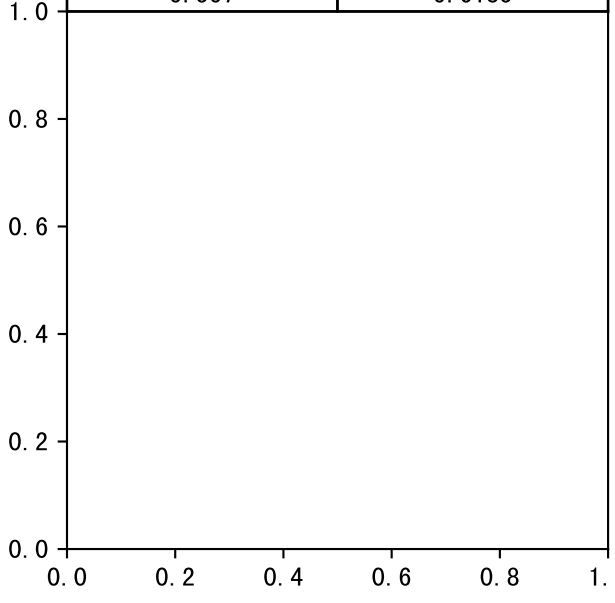

ETcl
ETcldef
ETcP
ETcPT
ETclis
ESo
ETol
ETbai
pR
pVPD
VN
I
PPFD
T
RH
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6

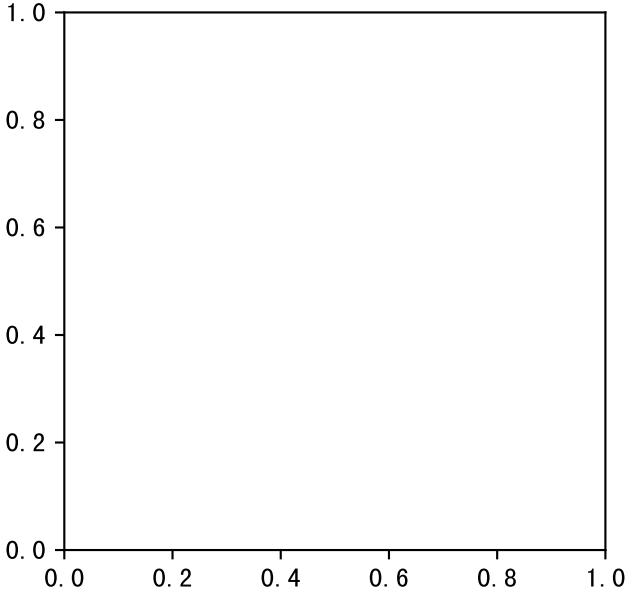

ETcl
ETol
T
RH
VN
I
ETcl
ETol
T
RH
VN
I

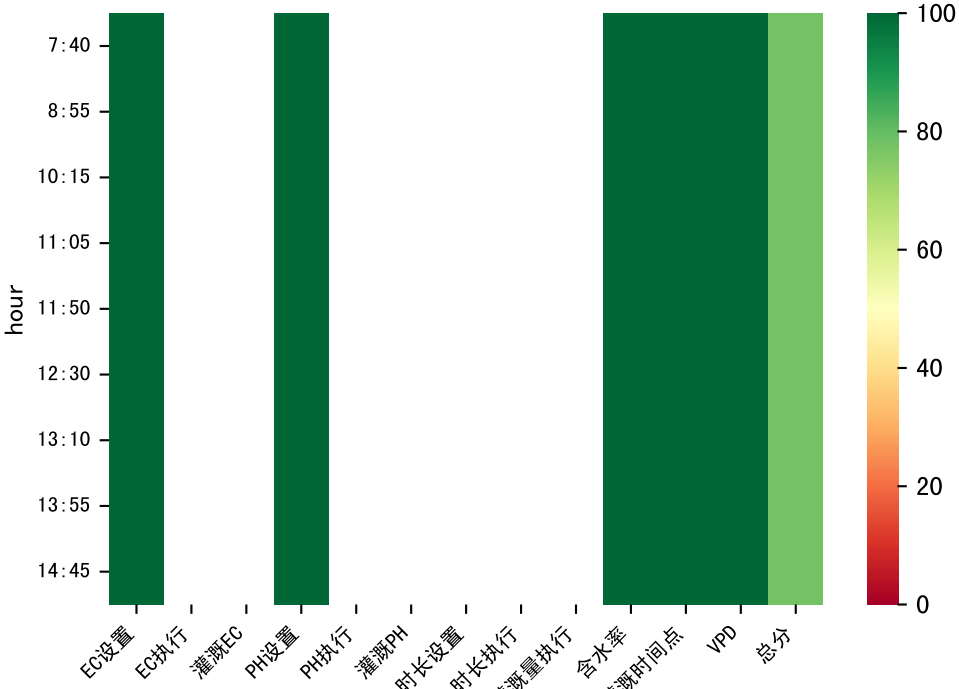




baiA	baiB
0.507	0.0135

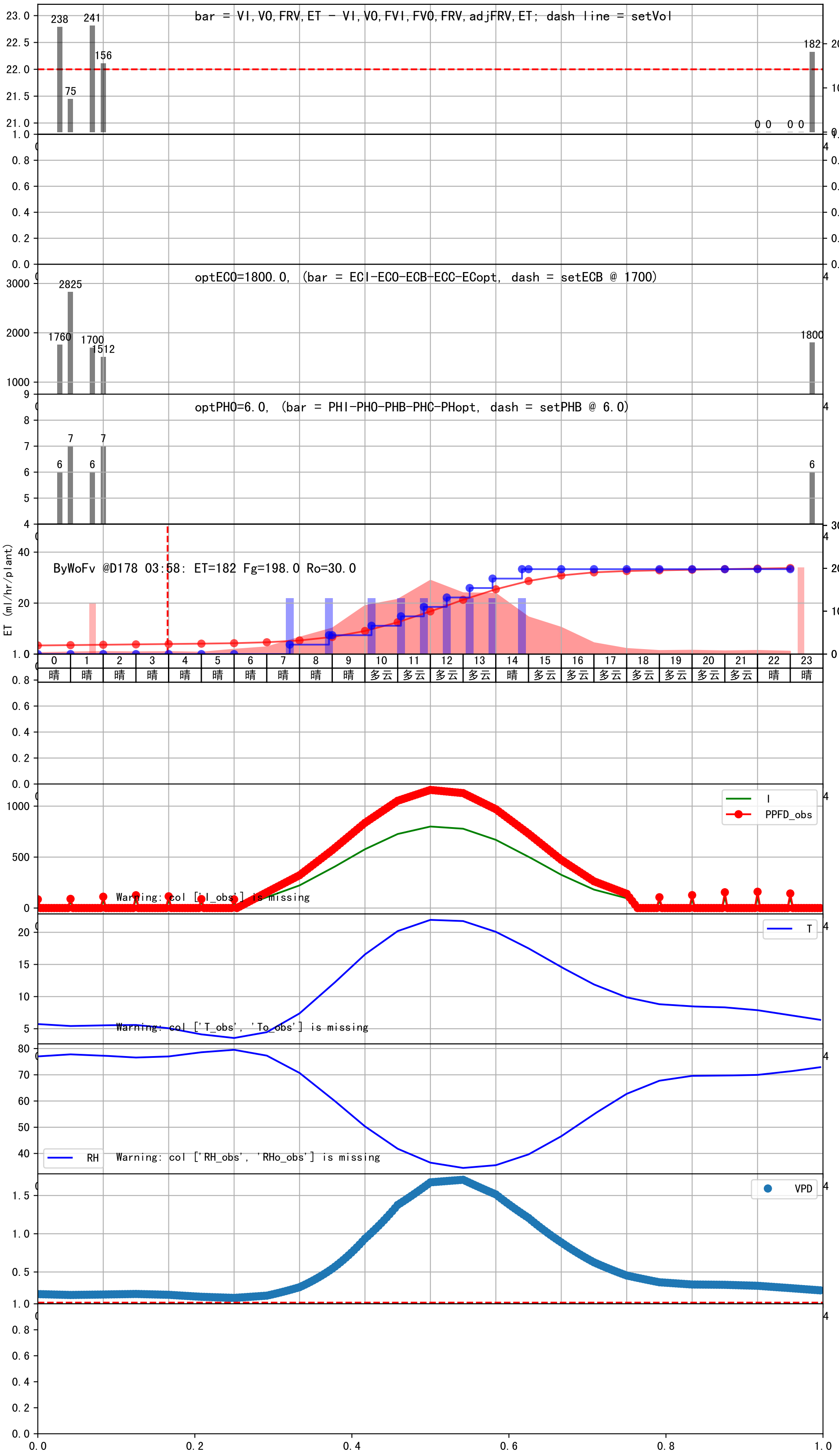


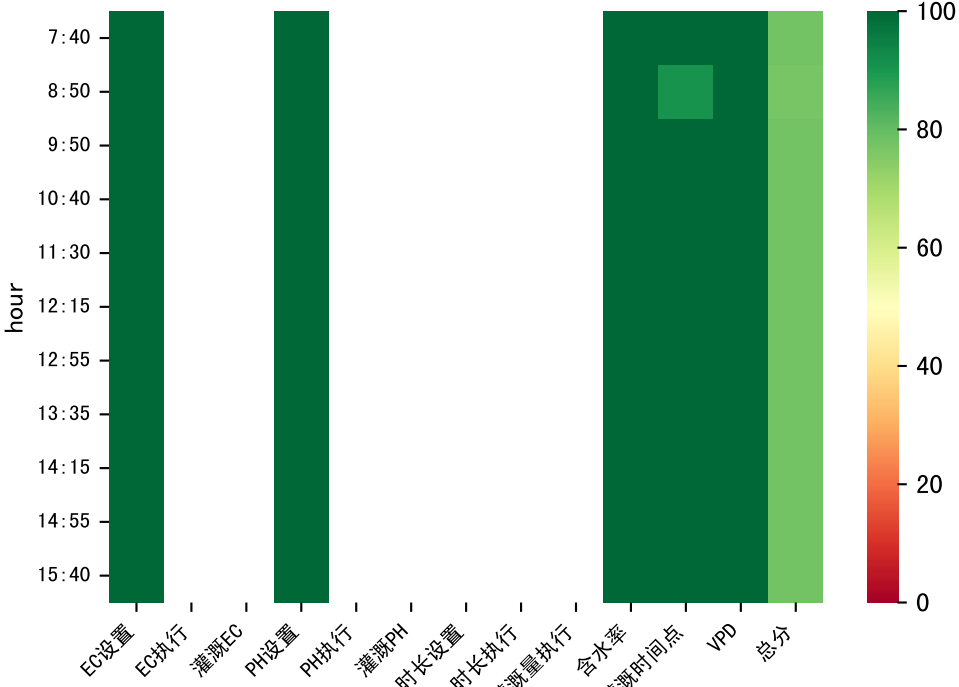



hour
7:40
8:55
10:15
11:05
11:50
12:30
13:10
13:55
14:45
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
含水率
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
07:40	129	22.0	0.485	晴	预期@07:40 自主（未用传感器）
08:55	129	22.0	0.485	晴	预期@08:55 自主（未用传感器）
10:15	129	22.0	0.485	多云	预期@10:15 自主（未用传感器）
11:05	129	22.0	0.485	多云	预期@11:05 自主（未用传感器）
11:50	129	22.0	0.485	多云	预期@11:50 自主（未用传感器）
12:30	129	22.0	0.485	多云	预期@12:30 自主（未用传感器）
13:10	129	22.0	0.485	多云	预期@13:10 自主（未用传感器）
13:55	129	22.0	0.485	多云	预期@13:55 自主（未用传感器）
14:45	129	22.0	0.485	晴	预期@14:45 自主（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=178 (2026-03-21)

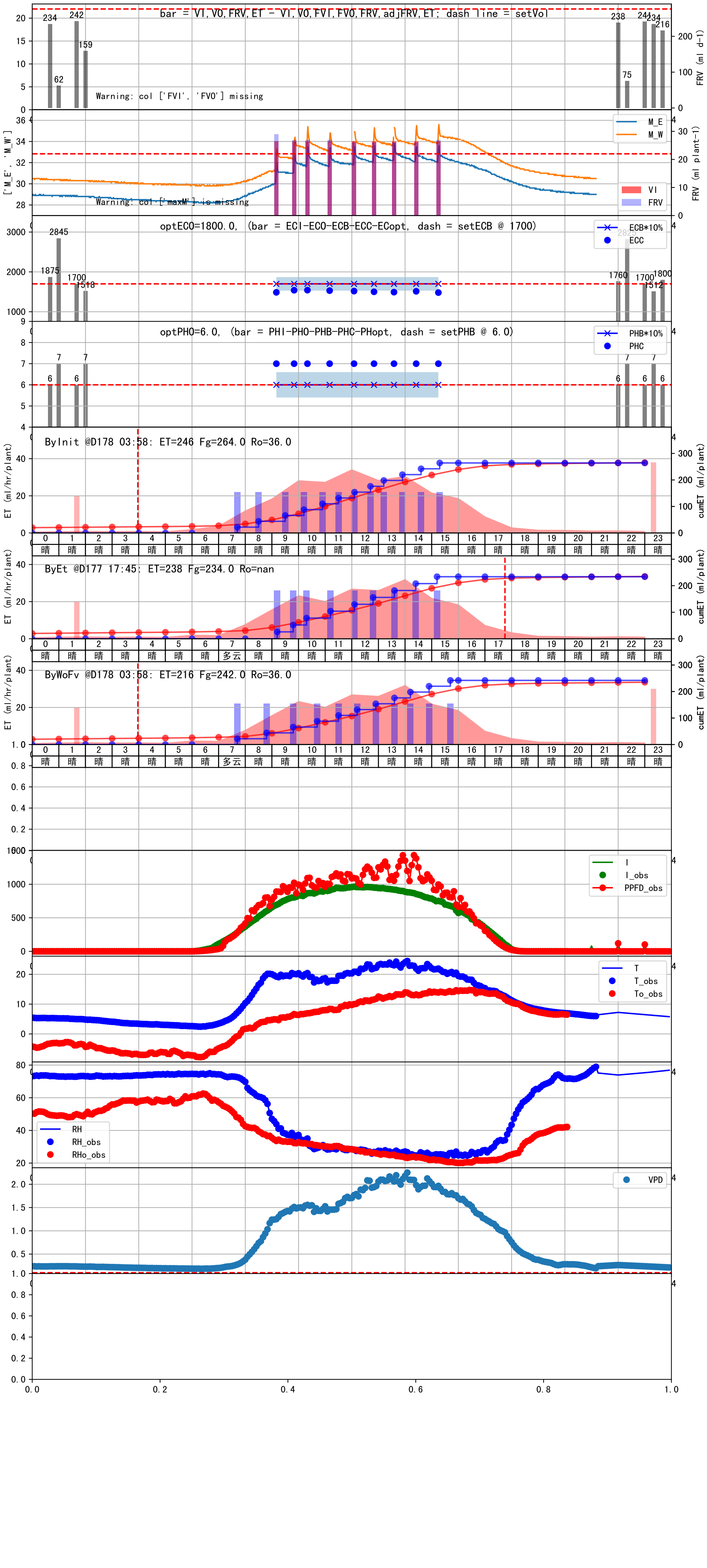


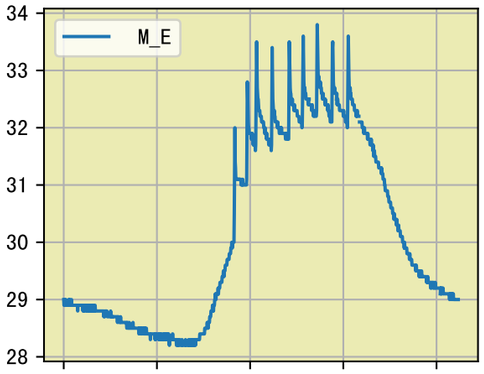

hour
7:40
8:50
9:50
10:40
11:30
12:15
12:55
13:35
14:15
14:55
15:40
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

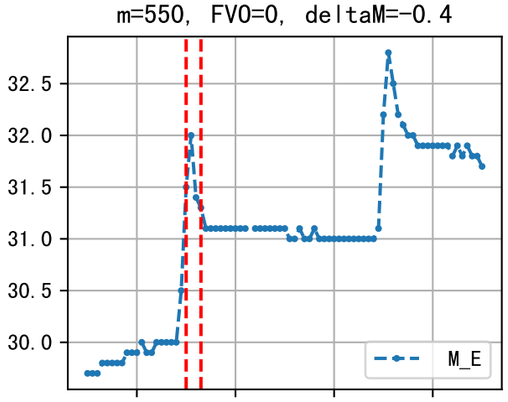
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
07:40	152	22.0	0.485	多云	假设@07:40 自动（未用传感器）
08:50	152	22.0	0.485	晴	假设@08:50 自动（未用传感器）
09:50	152	22.0	0.485	晴	假设@09:50 自动（未用传感器）
10:40	152	22.0	0.485	晴	假设@10:40 自动（未用传感器）
11:30	152	22.0	0.485	晴	假设@11:30 自动（未用传感器）
12:15	152	22.0	0.485	晴	假设@12:15 自动（未用传感器）
12:55	152	22.0	0.485	晴	假设@12:55 自动（未用传感器）
13:35	152	22.0	0.485	晴	假设@13:35 自动（未用传感器）
14:15	152	22.0	0.485	晴	假设@14:15 自动（未用传感器）
14:55	152	22.0	0.485	晴	假设@14:55 自动（未用传感器）
15:40	152	22.0	0.485	晴	假设@15:40 自动（未用传感器）
总计	1672.0 (11次)	242.0			建议进液EC：1700， PH：6.0

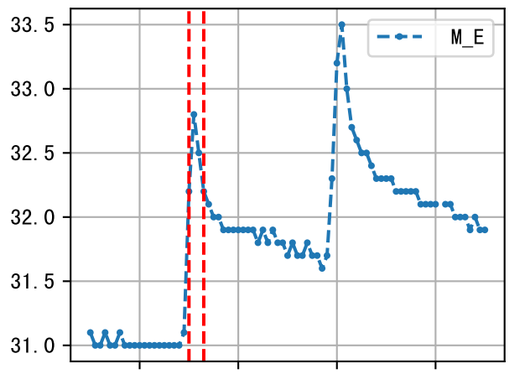
滴头平均流速偏小（0.18 vs def 0.5），请检查
上次灌溉时长(151)与预期(129.0)不符，可能由于多阀同灌按参考区灌溉
默认实际灌溉26.0 ml.

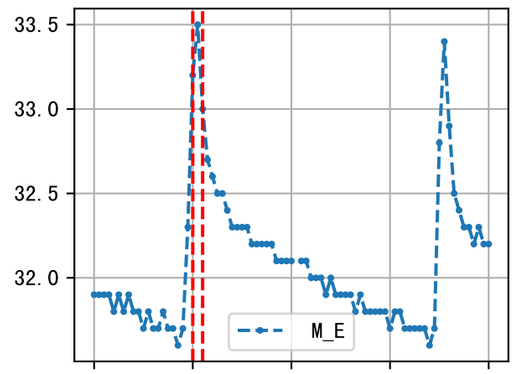
P1_0, Day=177.0 (2026-03-20)

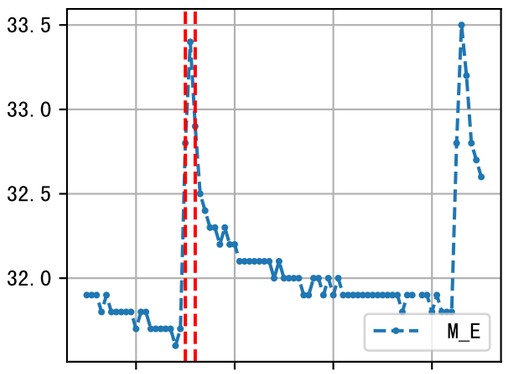


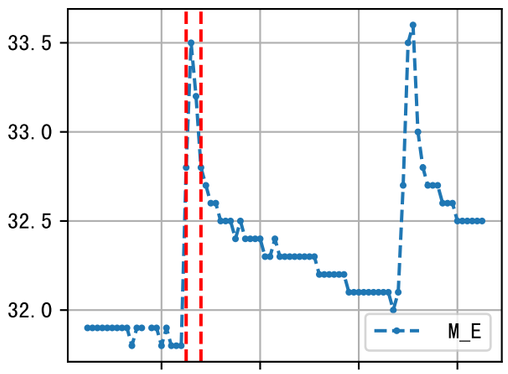

M_E
34
33
32
31
30
29
28
0
5
10
15
20

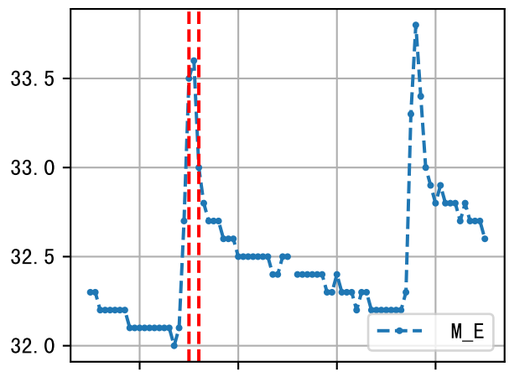

m=550, FVO=0, deltaM=-0.4
M_E
32.5
32.0
31.5
31.0
30.5
30.0
540
560
580
600

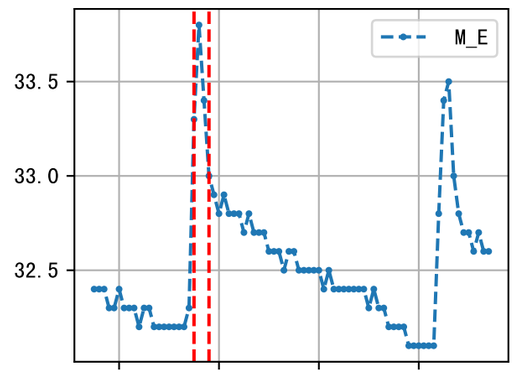

m=590, FVO=0, deltaM=-0.3
M_E
33.5
33.0
32.5
32.0
31.5
31.0
580
600
620
640

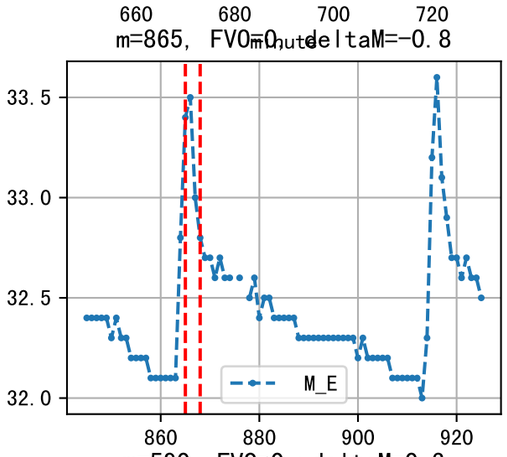

m=620, FVO=0, deltaM=-0.9
M_E
33.5
33.0
32.5
32.0
600
620
640
660
680

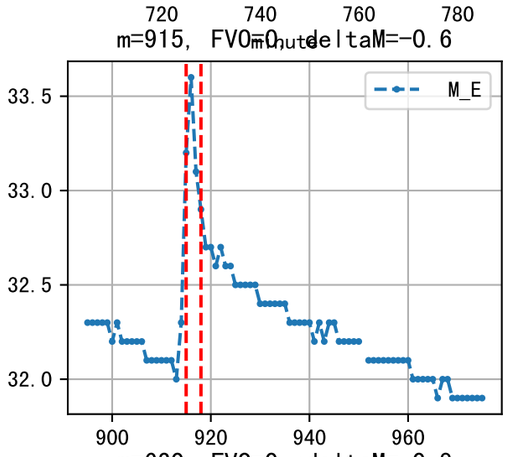

m=670, FVO=0, deltaM=-0.5
M_E
33.5
33.0
32.5
32.0
660
680
700
720
minute

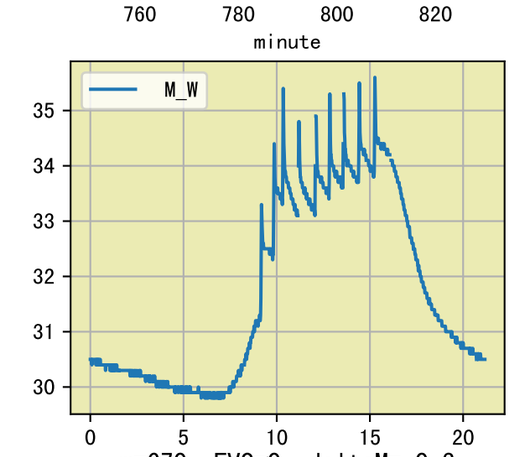

m=725, FVO=0, deltaM=-0.3
M_E
33.5
33.0
32.5
32.0
720
740
760
780
minute

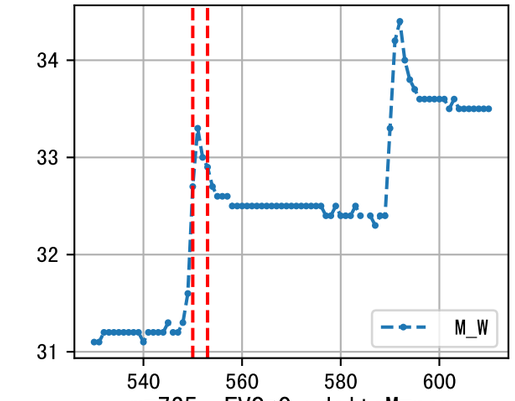

m=770, FVO=0, deltaM=-0.9
M_E
33.5
33.0
32.5
32.0
760
780
800
820
minute

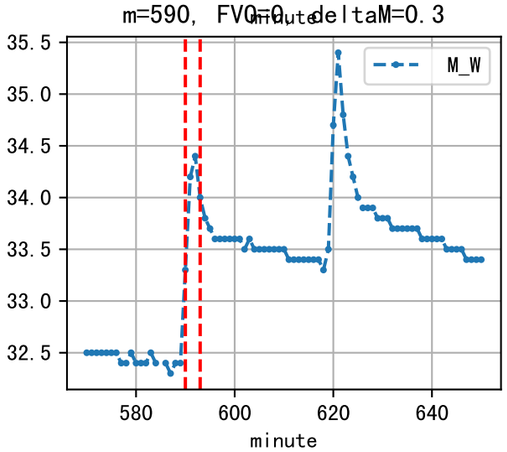

m=815, FVO=0, deltaM=-0.5
M_E
33.5
33.0
32.5
800
820
840
860
minute

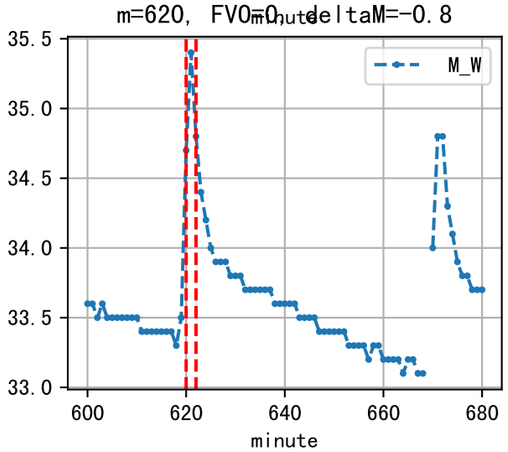

m=865, FVO=0, deltaM=-0.8
M_E
33.5
33.0
32.5
32.0
860
880
900
920
minute

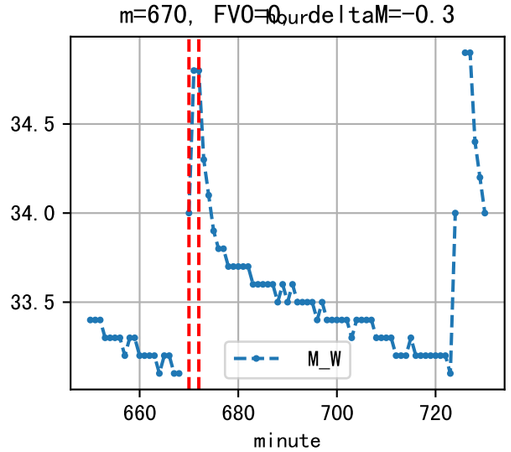

m=915, FVO=0, deltaM=-0.6
M_E
33.5
33.0
32.5
32.0
900
920
940
960
minute

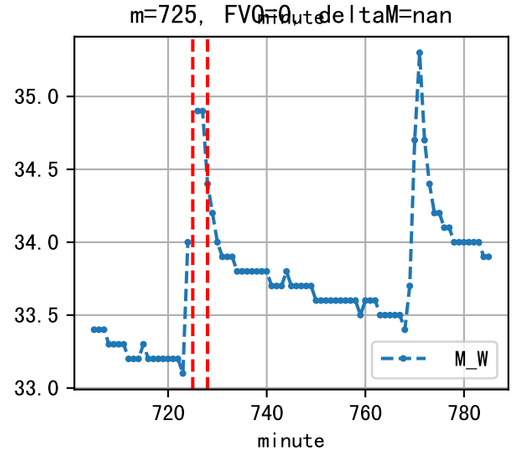

m=550, FVO=0, deltaM=-0.2
M_W
35
34
33
32
31
30
0
5
10
15
20

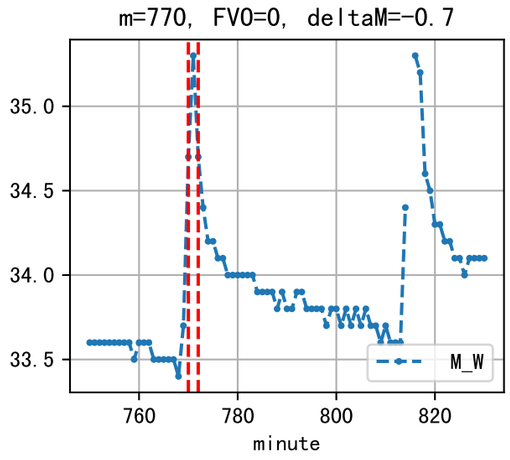

m=590, FVO=0, deltaM=0.3
M_W
34
33
32
31
540
560
580
600
minute

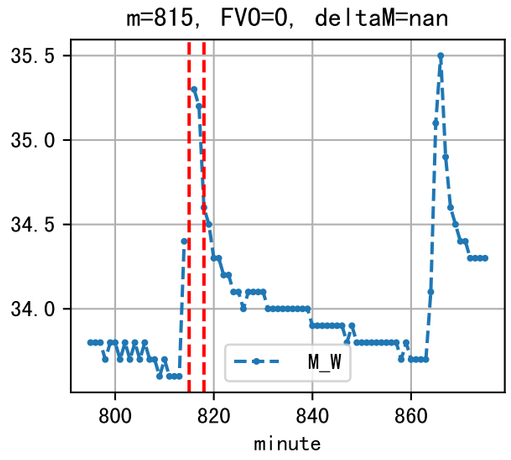

m=620, FVO=0, deltaM=-0.8
M_W
35.5
35.0
34.5
34.0
33.5
33.0
32.5
580
600
620
640
minute

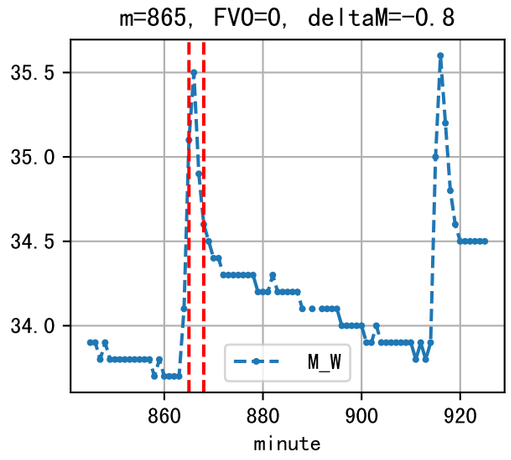

m=670, FVO=0, deltaM=-0.3
M_W
35.5
35.0
34.5
34.0
33.5
33.0
600
620
640
660
680
minute

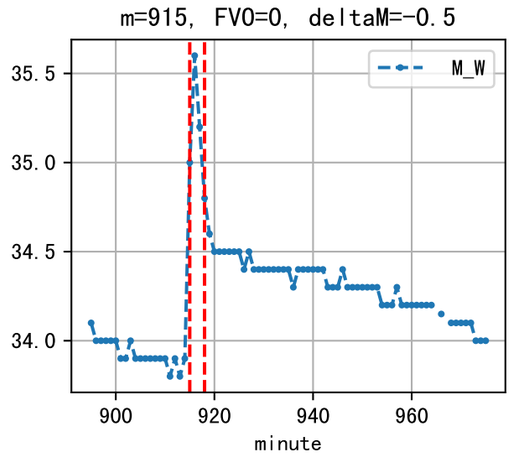

m=725, FVO=0, deltaM=nan
M_W
34.5
34.0
33.5
33.0
660
680
700
720
minute

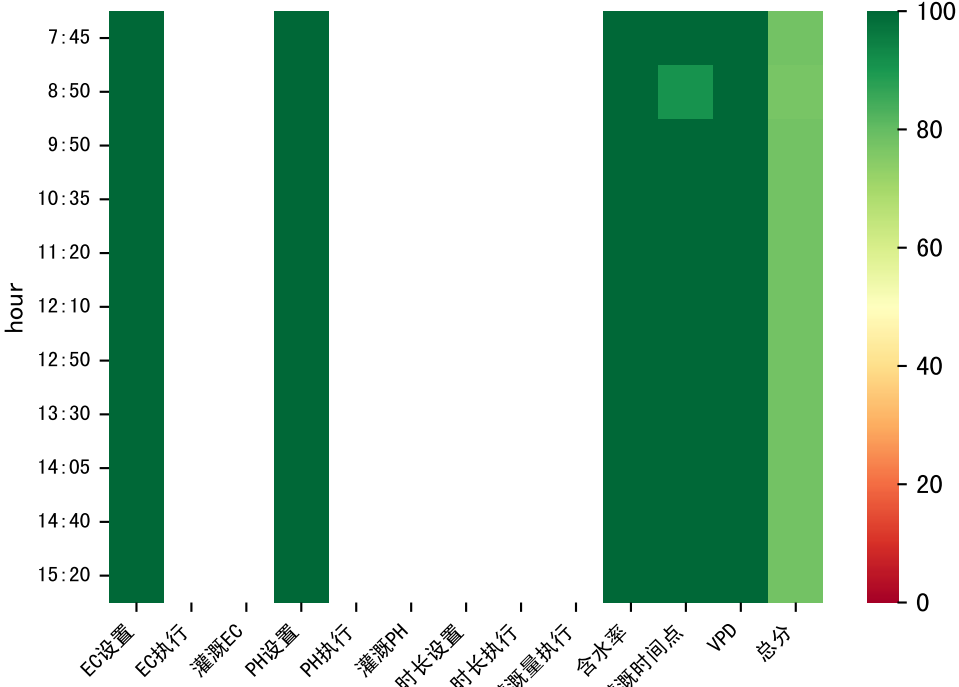

M_W
35.0
34.5
34.0
33.5
33.0
720
740
760
780
minute


m=770, FVO=0, deltaM=-0.7
35.0
34.5
34.0
33.5
760
780
800
820
minute
M_W


m=815, FVO=0, deltaM=nan
35.5
35.0
34.5
34.0
800
820
840
860
minute
M_W


m=865, FVO=0, deltaM=-0.8
35.5
35.0
34.5
34.0
860
880
900
920
minute
M_W

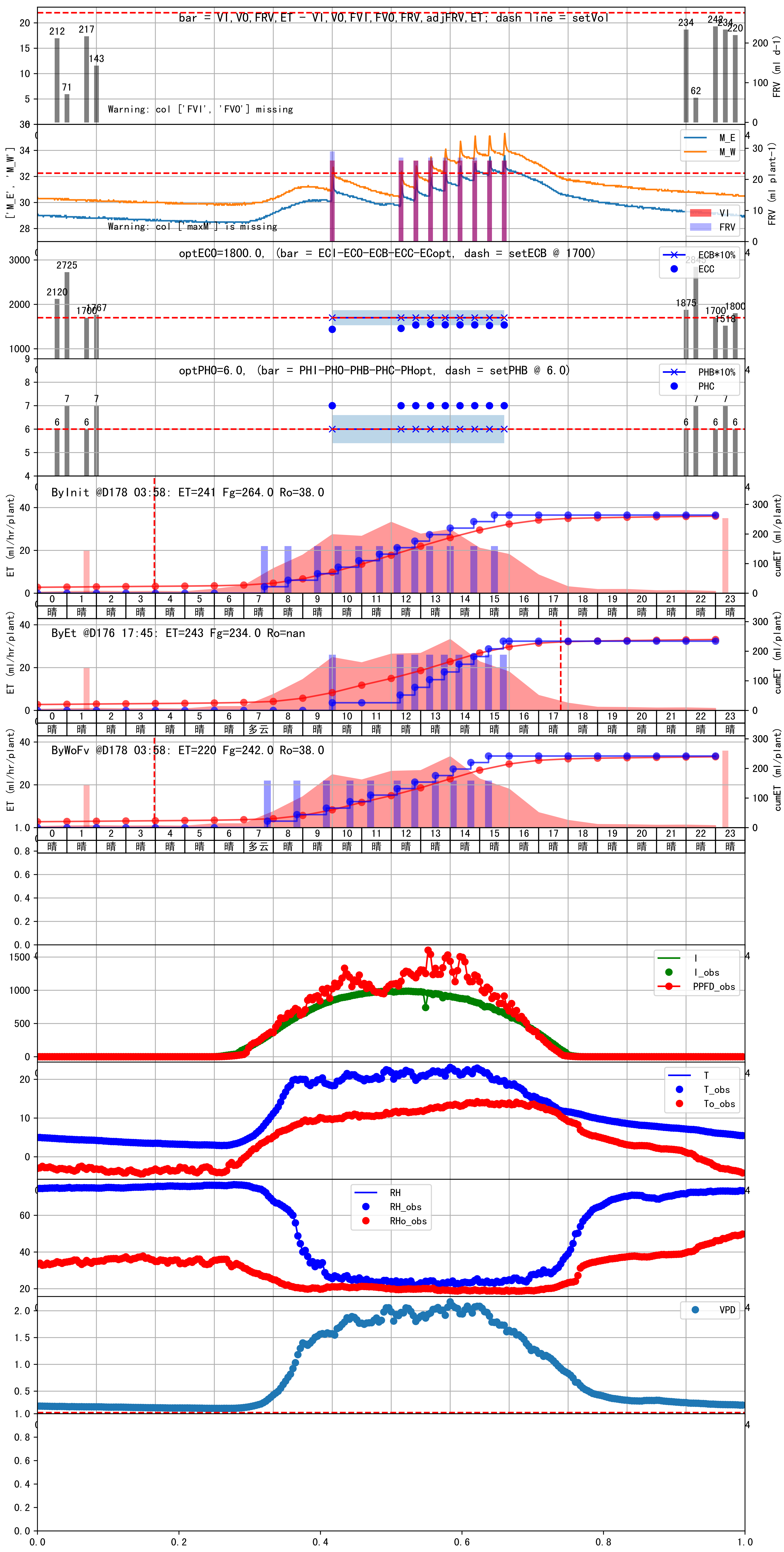

m=915, FVO=0, deltaM=-0.5
35.5
35.0
34.5
34.0
900
920
940
960
minute
M_W

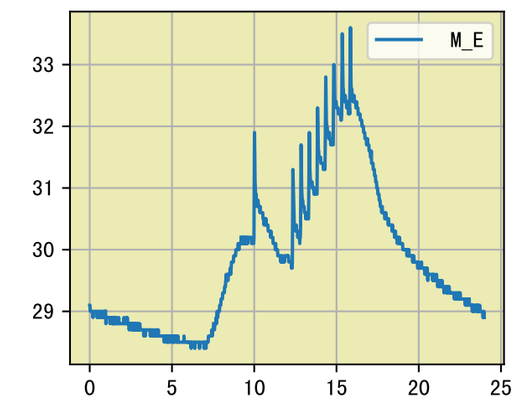

hour
7:45
8:50
9:50
10:35
11:20
12:10
12:50
13:30
14:05
14:40
15:20
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
含水率
VPD
总分
100
80
60
40
20
0

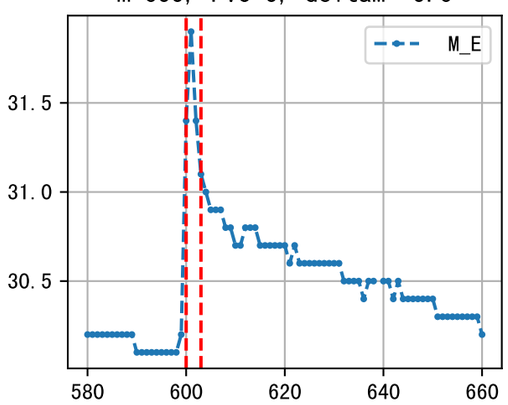
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
07:45	153	22.0	0.485	多云	假设@07:45 自动（未用传感器）
08:50	153	22.0	0.485	晴	假设@08:50 自动（未用传感器）
09:50	153	22.0	0.485	晴	假设@09:50 自动（未用传感器）
10:35	153	22.0	0.485	晴	假设@10:35 自动（未用传感器）
11:20	153	22.0	0.485	晴	假设@11:20 自动（未用传感器）
12:10	153	22.0	0.485	晴	假设@12:10 自动（未用传感器）
12:50	153	22.0	0.485	晴	假设@12:50 自动（未用传感器）
13:30	153	22.0	0.485	晴	假设@13:30 自动（未用传感器）
14:05	153	22.0	0.485	晴	假设@14:05 自动（未用传感器）
14:40	153	22.0	0.485	晴	假设@14:40 自动（未用传感器）
15:20	153	22.0	0.485	晴	假设@15:20 自动（未用传感器）
总计	1683.0 (11次)	242.0			建议进液EC：1700， PH：6.0

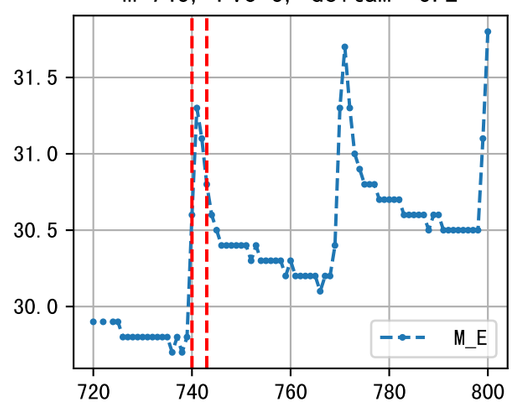
滴头平均流速偏小（0.18 vs def 0.5），请检查
上次灌溉时长(152)与预期(129.0)不符, 可能由于多阀同灌按参考区灌溉
默认实际灌溉26.0 ml.

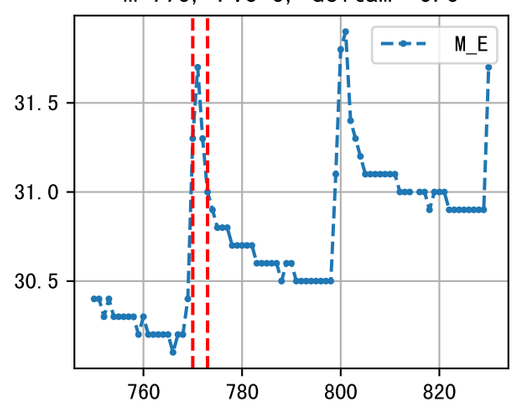
P1_0, Day=176.0 (2026-03-19)

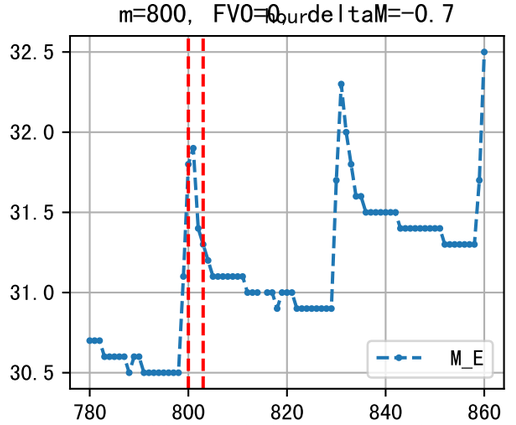


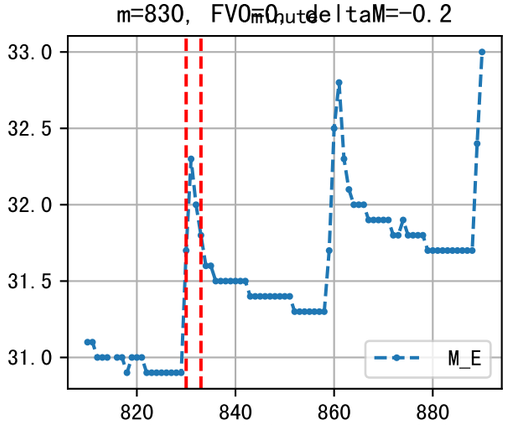

M_E

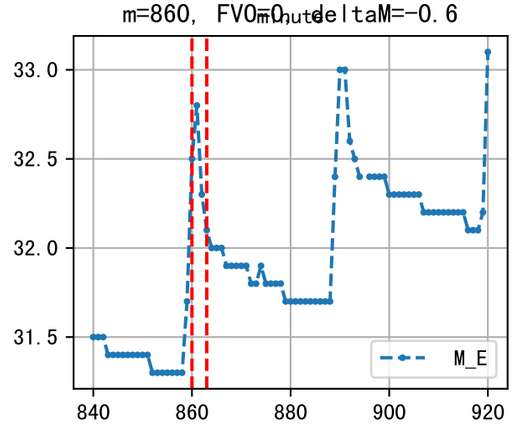

m=600, FV0=0, deltaM=-0.6
M_E

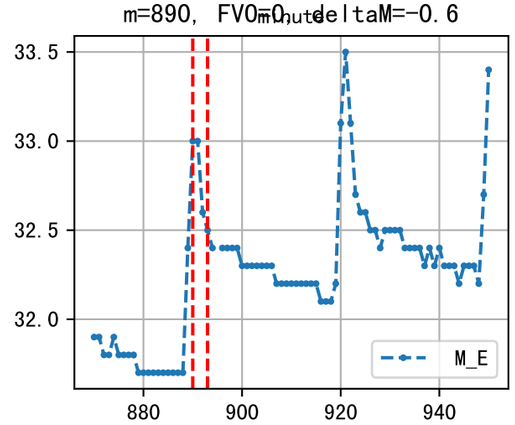

m=740, FV0=0, deltaM=-0.2
M_E

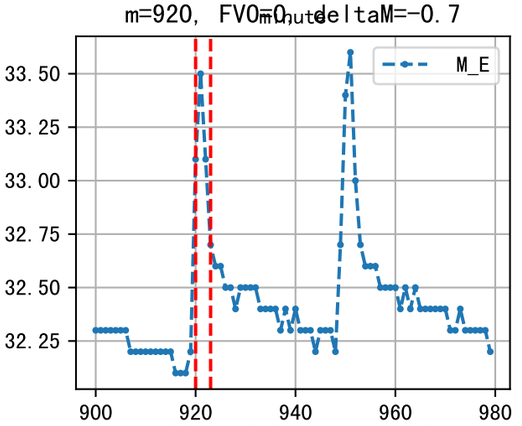

m=770, FV0=0, deltaM=-0.6
M_E

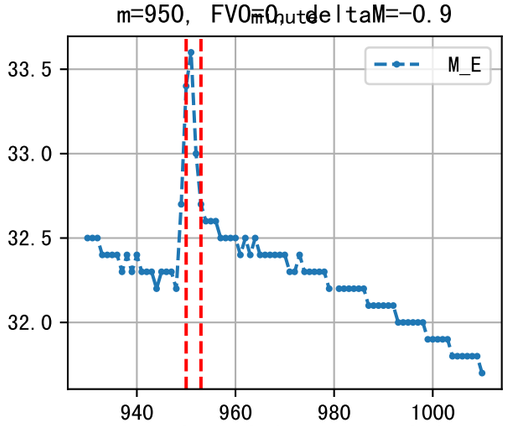

m=800, FV0=0, deltaM=-0.7
M_E
minute

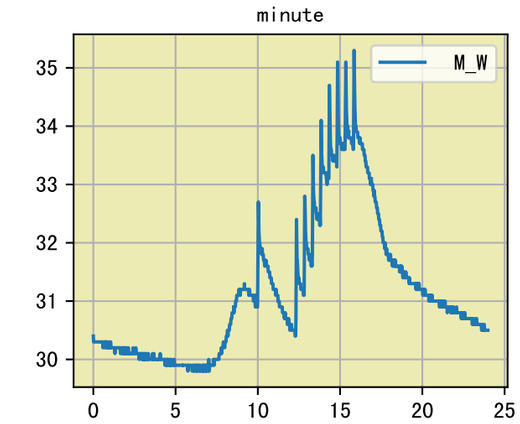

m=830, FV0=0, deltaM=-0.2
M_E
minute

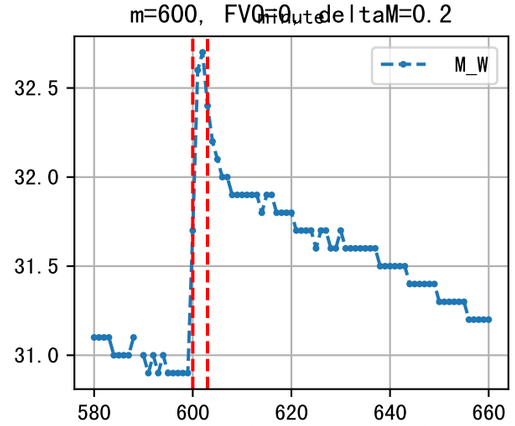

m=860, FV0=0, deltaM=-0.6
M_E
minute

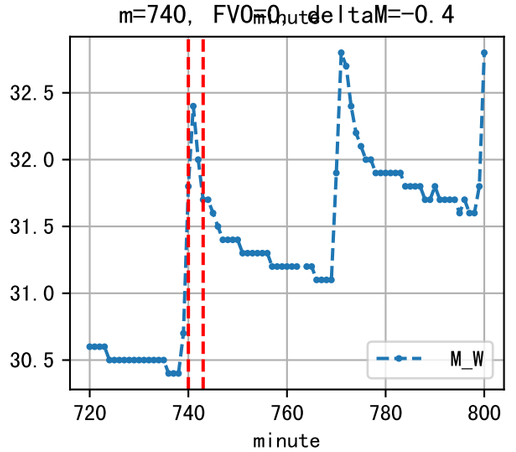

m=890, FV0=0, deltaM=-0.6
M_E
minute

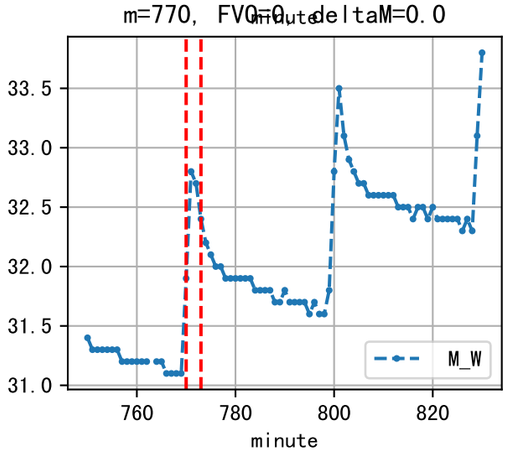

m=920, FV0=0, deltaM=-0.7
M_E
minute

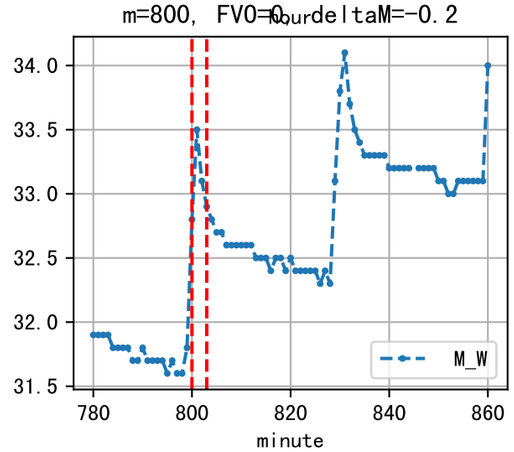

m=950, FV0=0, deltaM=-0.9
M_E
minute

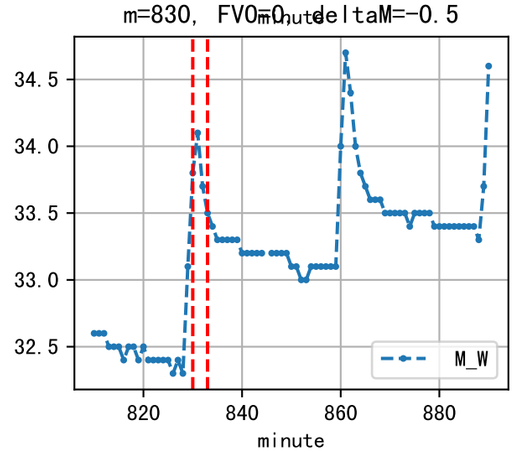

M_W
minute

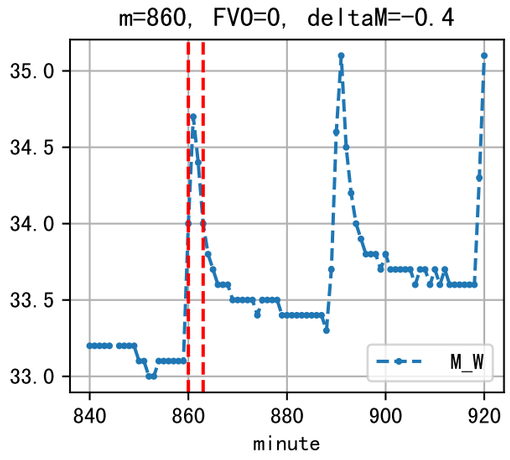

m=600, FV0=0, deltaM=0.2
M_W
minute

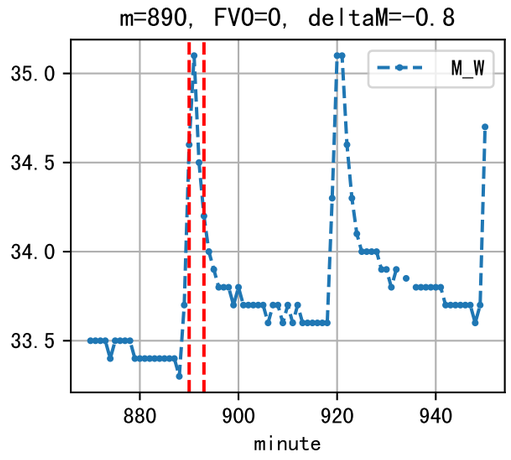

m=740, FV0=0, deltaM=-0.4
M_W
minute

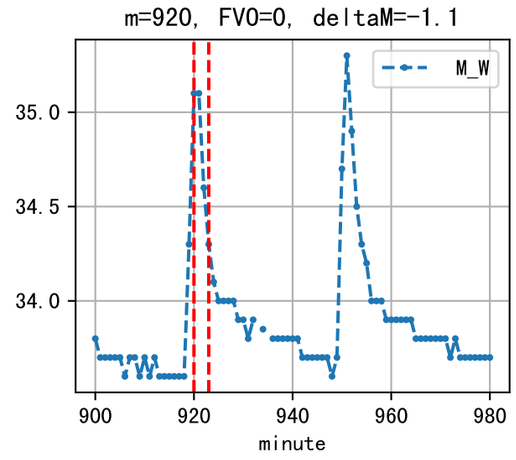

m=770, FV0=0, deltaM=0.0
M_W
minute

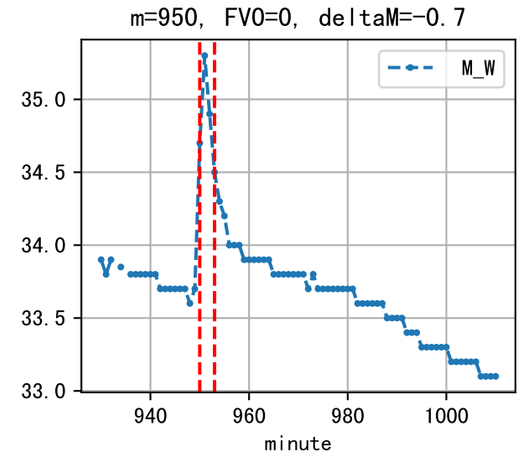

m=800, FV0=0, deltaM=-0.2
M_W
minute

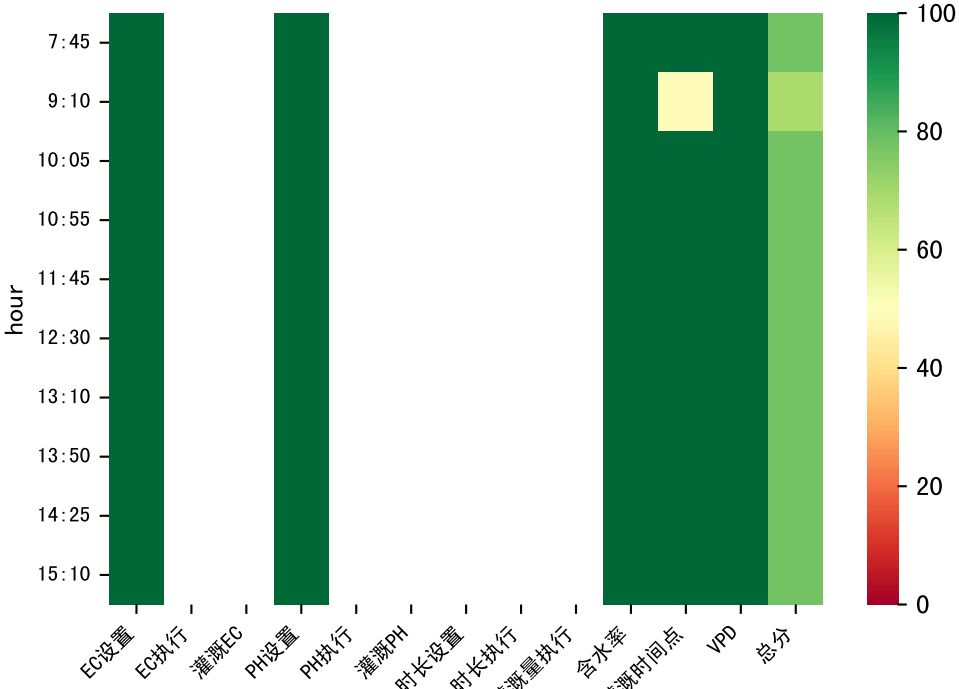

m=830, FV0=0, deltaM=-0.5
M_W
minute


m=860, FV0=0, deltaM=-0.4
M_W
minute


m=890, FV0=0, deltaM=-0.8
M_W
minute


m=920, FV0=0, deltaM=-1.1
M_W
minute

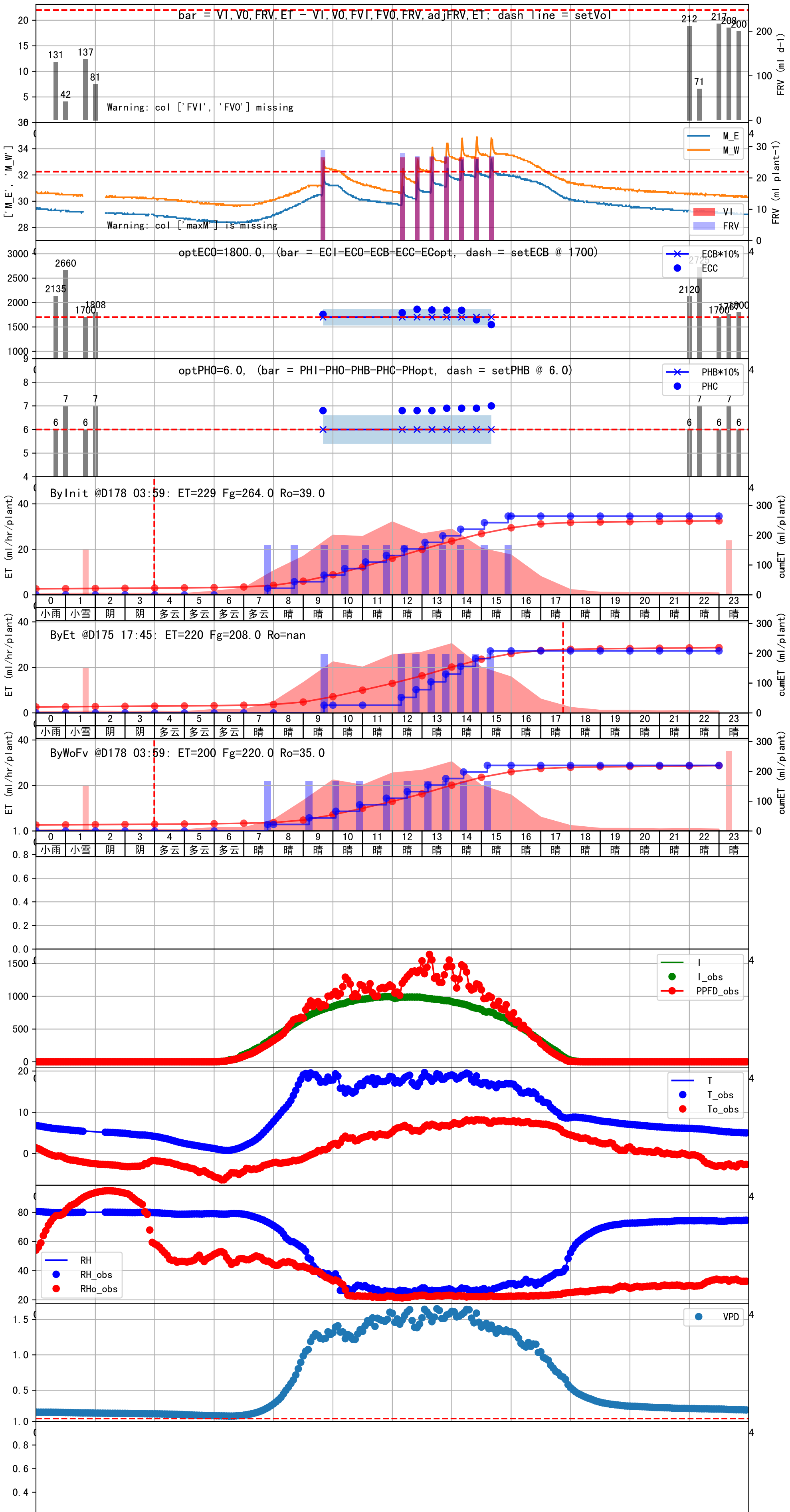

m=950, FV0=0, deltaM=-0.7
M_W
minute

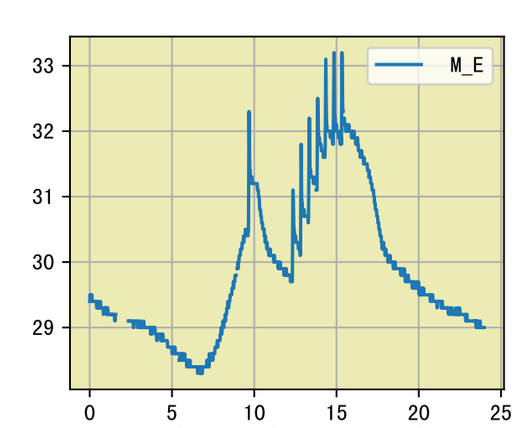

hour
7:45
9:10
10:05
10:55
11:45
12:30
13:10
13:50
14:25
15:10
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
含水率
VPD
总分
100
80
60
40
20
0

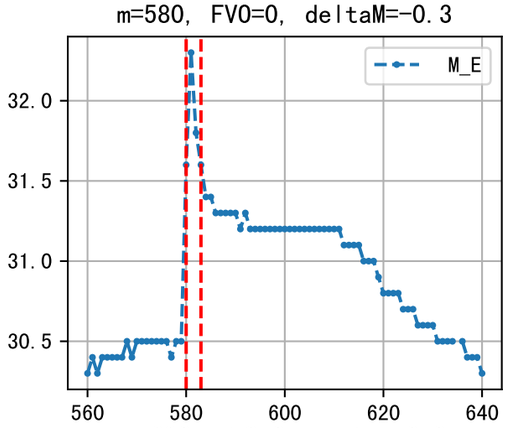
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
07:45	154	22.0	0.485	晴	假设@07:45 自动（未用传感器）
09:10	154	22.0	0.485	晴	假设@09:10 自动（未用传感器）
10:05	154	22.0	0.485	晴	假设@10:05 自动（未用传感器）
10:55	154	22.0	0.485	晴	假设@10:55 自动（未用传感器）
11:45	154	22.0	0.485	晴	假设@11:45 自动（未用传感器）
12:30	154	22.0	0.485	晴	假设@12:30 自动（未用传感器）
13:10	154	22.0	0.485	晴	假设@13:10 自动（未用传感器）
13:50	154	22.0	0.485	晴	假设@13:50 自动（未用传感器）
14:25	154	22.0	0.485	晴	假设@14:25 自动（未用传感器）
15:10	154	22.0	0.485	晴	假设@15:10 自动（未用传感器）
总计	1540.0 (10次)	220.0			建议进液EC：1700， PH：6.0

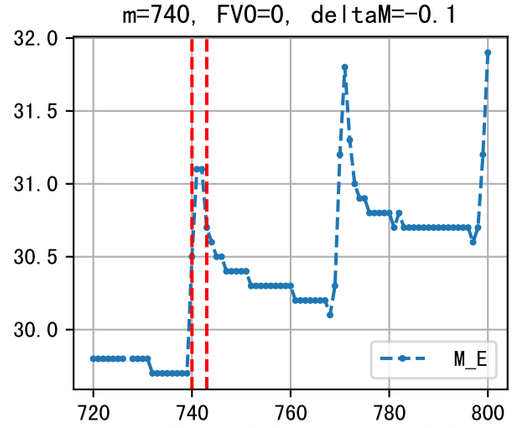
滴头平均流速偏小（0.18 vs def 0.5），请检查
上次灌溉时长(154)与预期(129.0)不符，可能由于多阀同灌按参考区灌溉
默认实际灌溉26.0 ml.

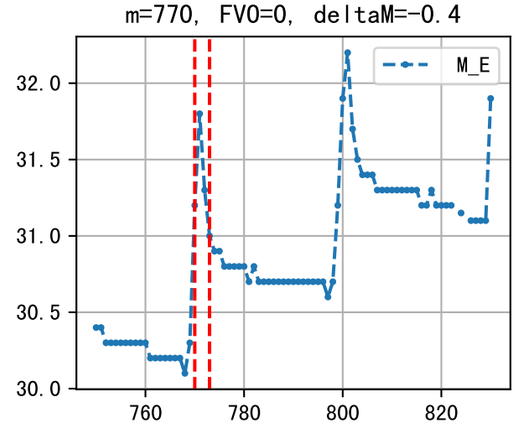
P1_0, Day=175.0 (2026-03-18)

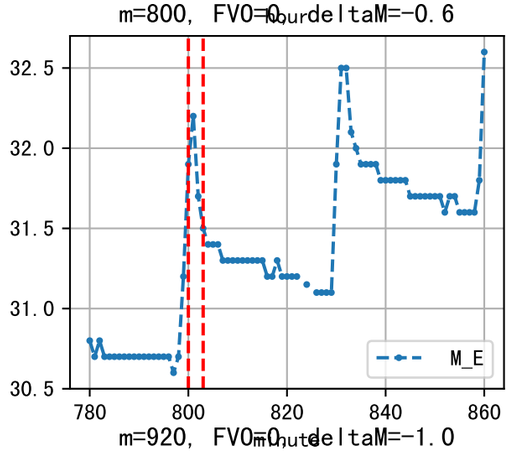


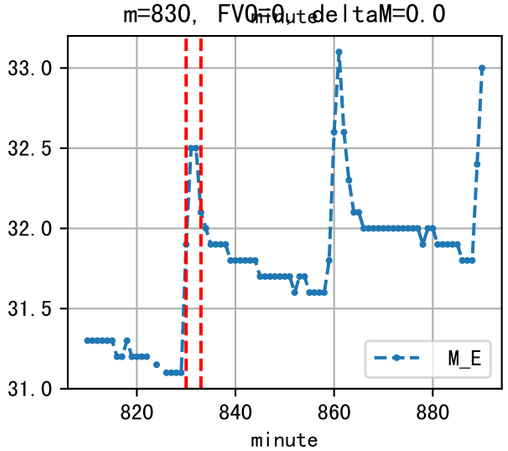

M_E

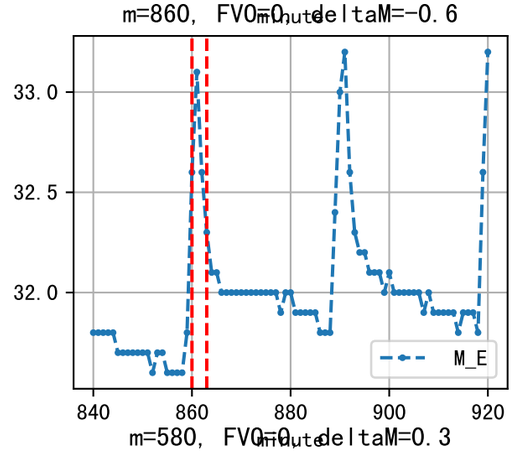

m=580, FV0=0, deltaM=-0.3
M_E

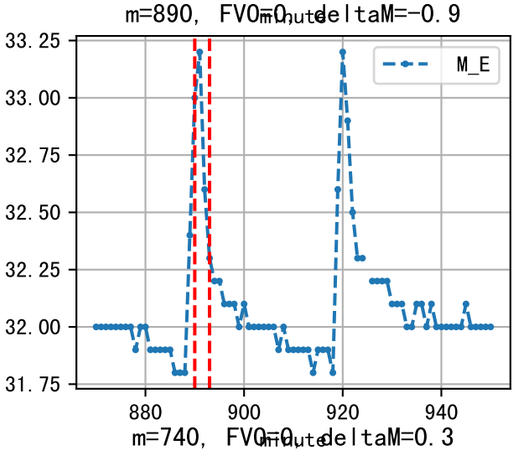

m=740, FV0=0, deltaM=-0.1
M_E

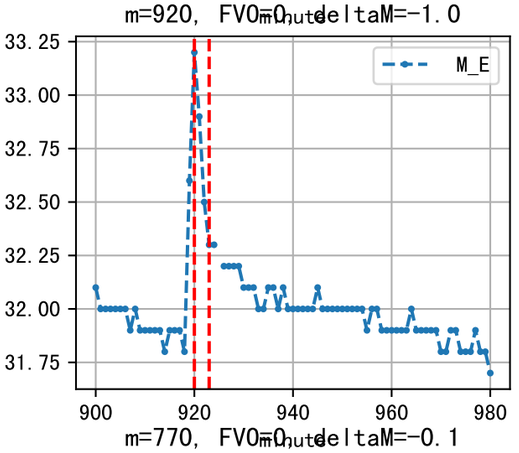

m=770, FV0=0, deltaM=-0.4
M_E

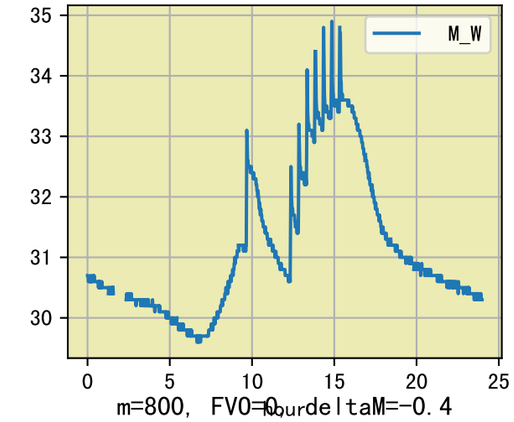

m=800, FV0=0, deltaM=-0.6
hour
M_E

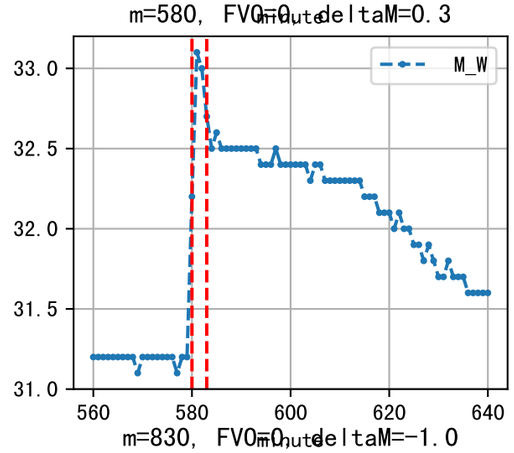

m=830, FV0=0, deltaM=0.0
minute
M_E

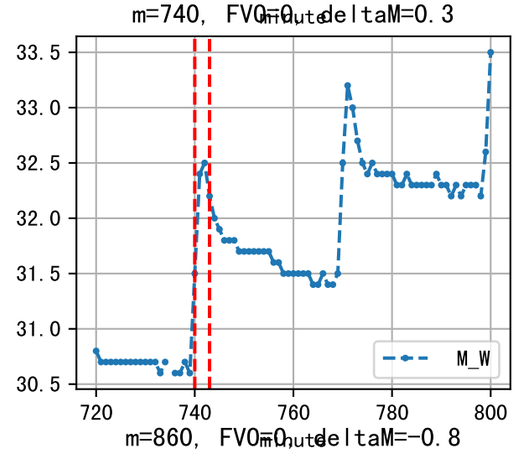

m=860, FV0=0, deltaM=-0.6
minute
M_E

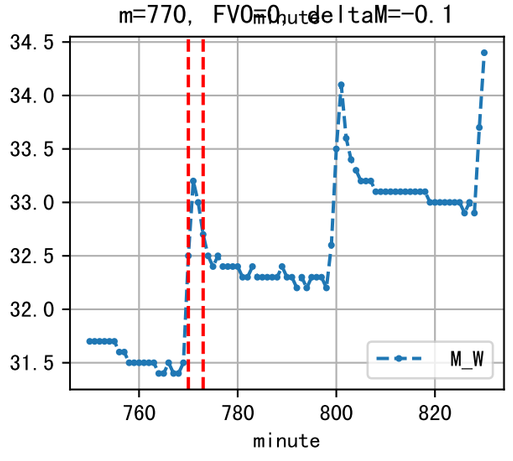

m=890, FV0=0, deltaM=-0.9
minute
M_E

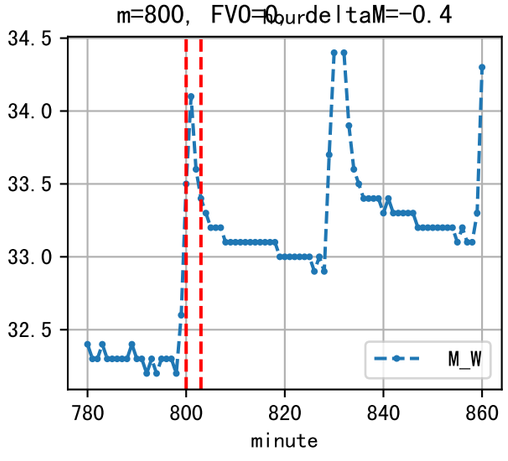

m=920, FV0=0, deltaM=-1.0
minute
M_E

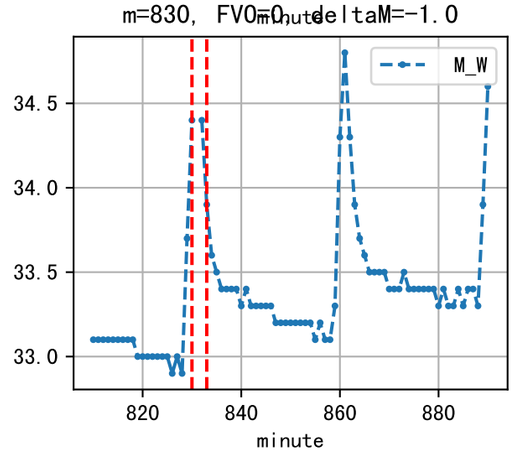

M_W

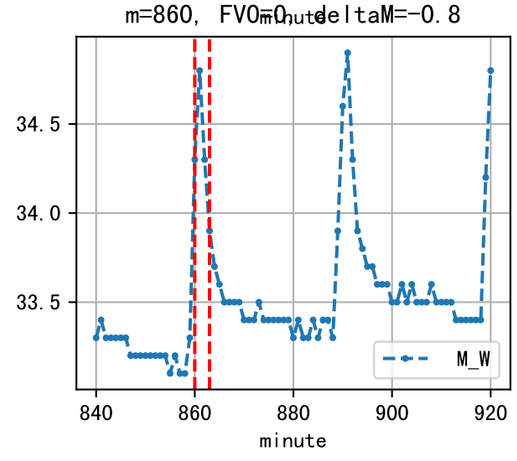

m=580, FV0=0, deltaM=0.3
minute
M_W

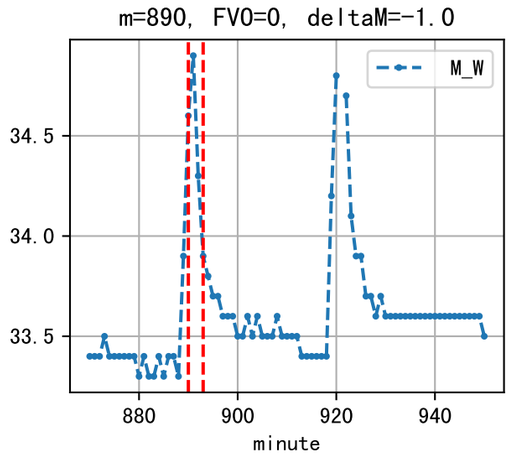

m=740, FV0=0, deltaM=0.3
minute
M_W

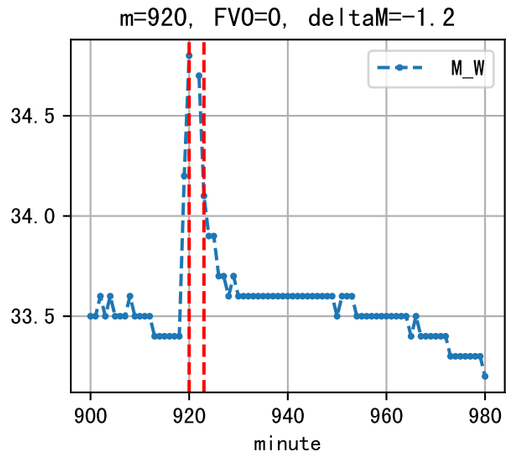

m=770, FV0=0, deltaM=-0.1
minute
M_W

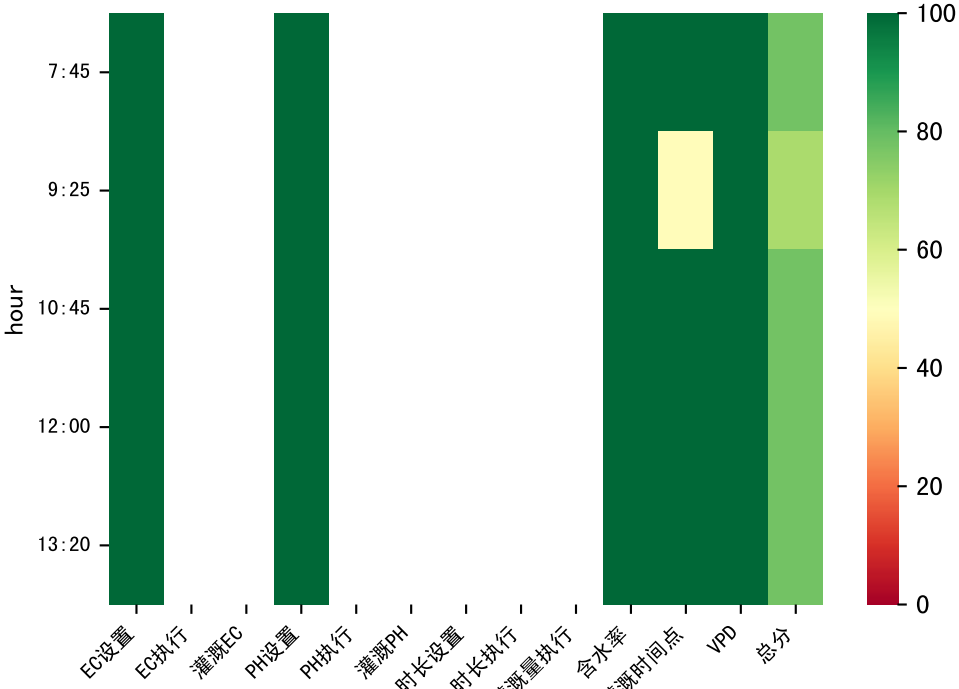

m=800, FV0=0, deltaM=-0.4
hour
M_W


m=830, FV0=0, deltaM=-1.0
minute
M_W


m=860, FV0=0, deltaM=-0.8
minute
M_W


m=890, FV0=0, deltaM=-1.0
M_W
34.5
34.0
33.5
880
900
920
940
minute

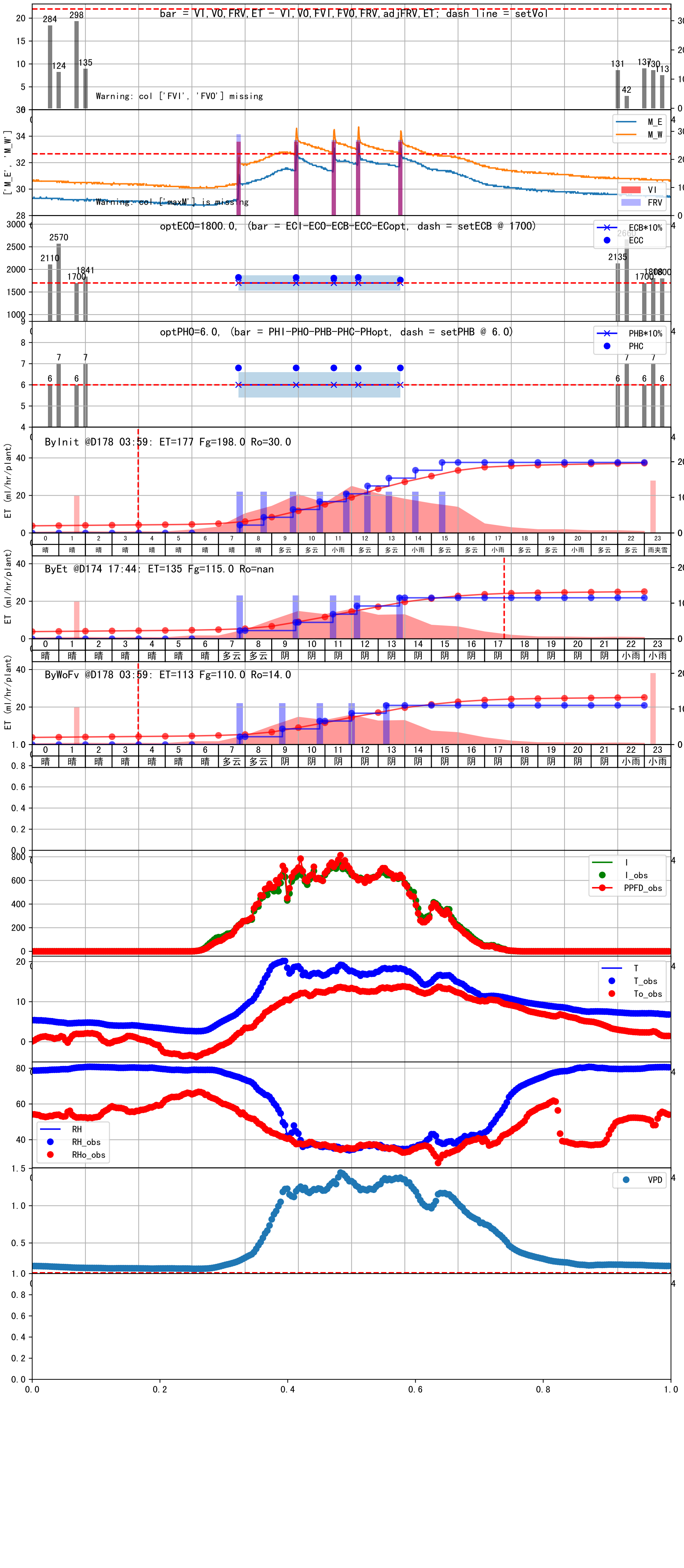

m=920, FV0=0, deltaM=-1.2
M_W
34.5
34.0
33.5
900
920
940
960
980
minute

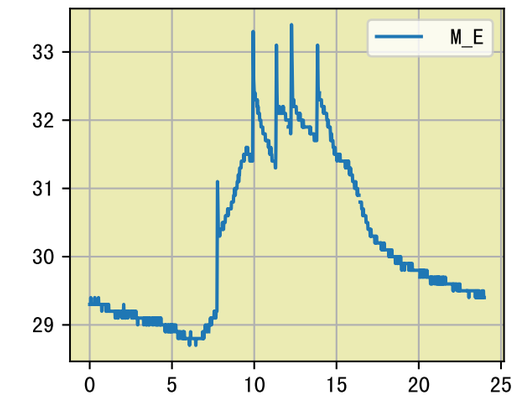

hour
7:45
9:25
10:45
12:00
13:20
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌量执行
含水率
灌时间点
VPD
总分
100
80
60
40
20
0

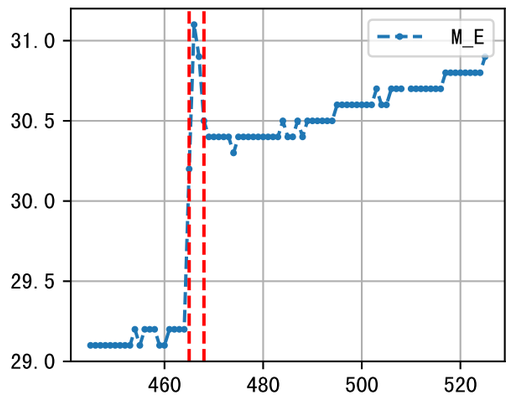
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
07:45	153	22.0	0.485	多云	假设@07:45 自动（未用传感器）
09:25	153	22.0	0.485	阴	假设@09:25 自动（未用传感器）
10:45	153	22.0	0.485	阴	假设@10:45 自动（未用传感器）
12:00	153	22.0	0.485	阴	假设@12:00 自动（未用传感器）
13:20	153	22.0	0.485	阴	假设@13:20 自动（未用传感器）
总计	765.0 (5次)	110.0			建议进液EC：1700， PH：6.0

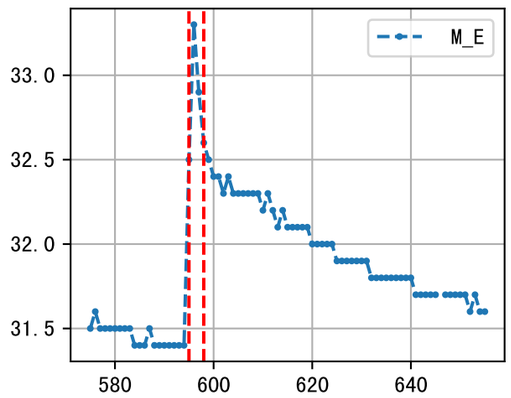
滴头平均流速偏小（0.18 vs def 0.5），请检查
上次灌溉时长(152)与预期(129.0)不符，可能由于多阀同灌按参考区灌溉
默认实际灌溉26.0 ml.

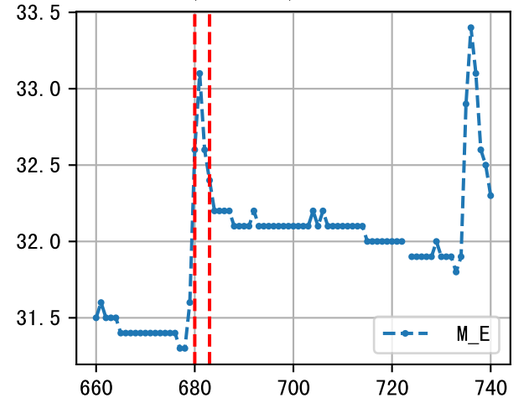
P1_0, Day=174.0 (2026-03-17)

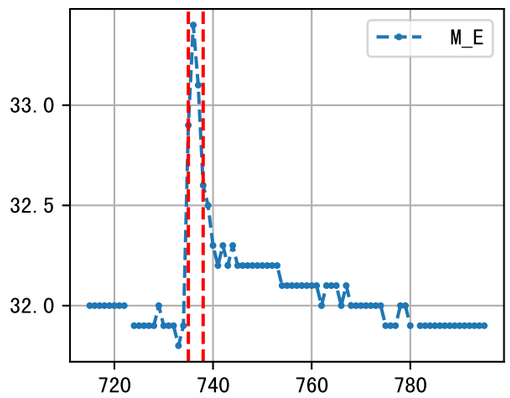


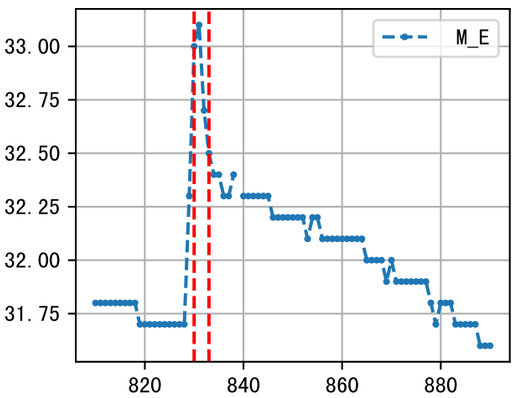

M_E

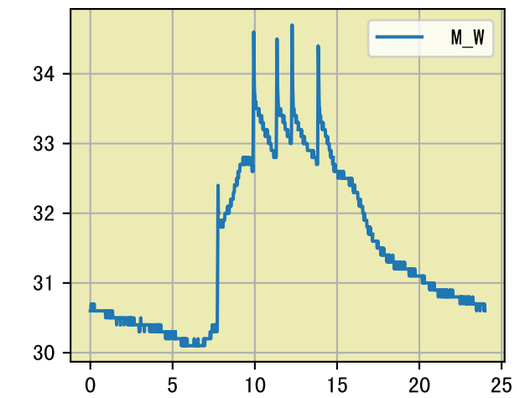

m=465, FV0=0, deltaM=0.2
M_E

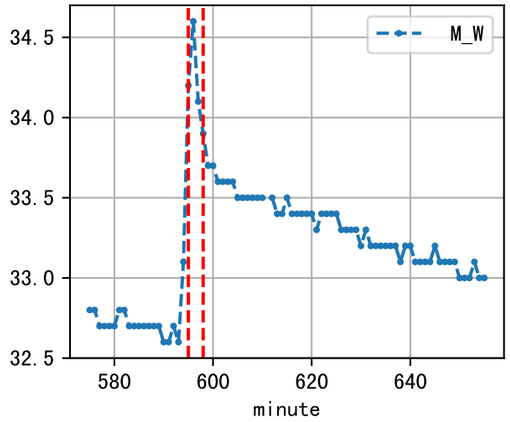

m=595, FV0=0, deltaM=-0.1
M_E
minute

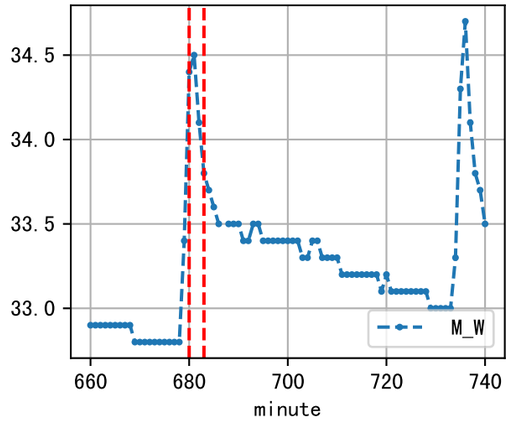

m=680, FV0=0, deltaM=-0.5
M_E

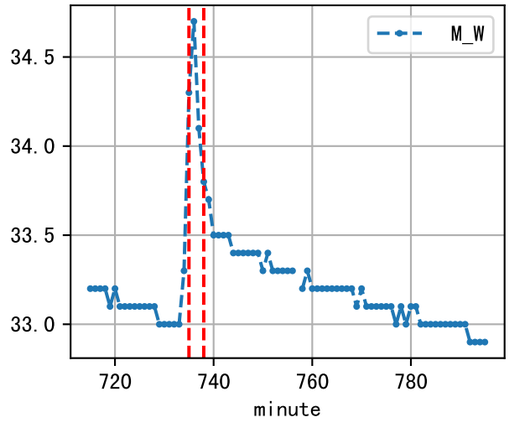

m=735, FV0=0, deltaM=-0.7
M_E

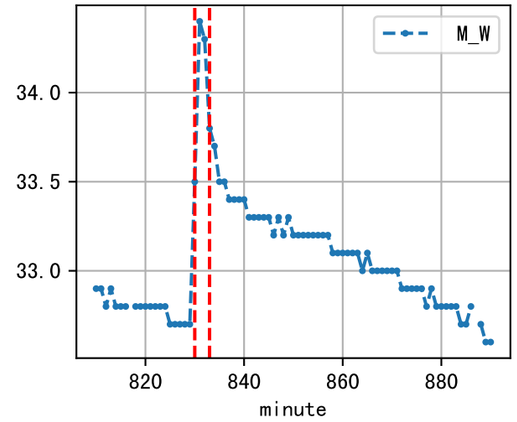

m=830, FV0=0, deltaM=-0.6
M_E


m=465, FV0=0, deltaM=-0.2
M_W


m=595, FV0=0, deltaM=-0.6
M_W
minute


m=680, FV0=0, deltaM=-0.9
M_W
minute


m=735, FV0=0, deltaM=-0.8
M_W
minute


m=830, FV0=0, deltaM=-0.1
M_W
minute