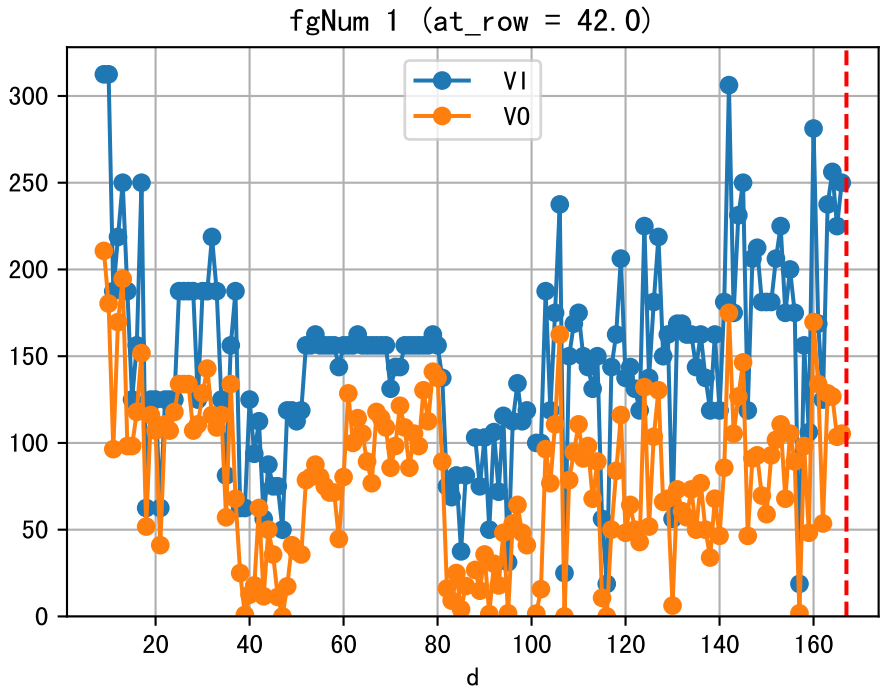
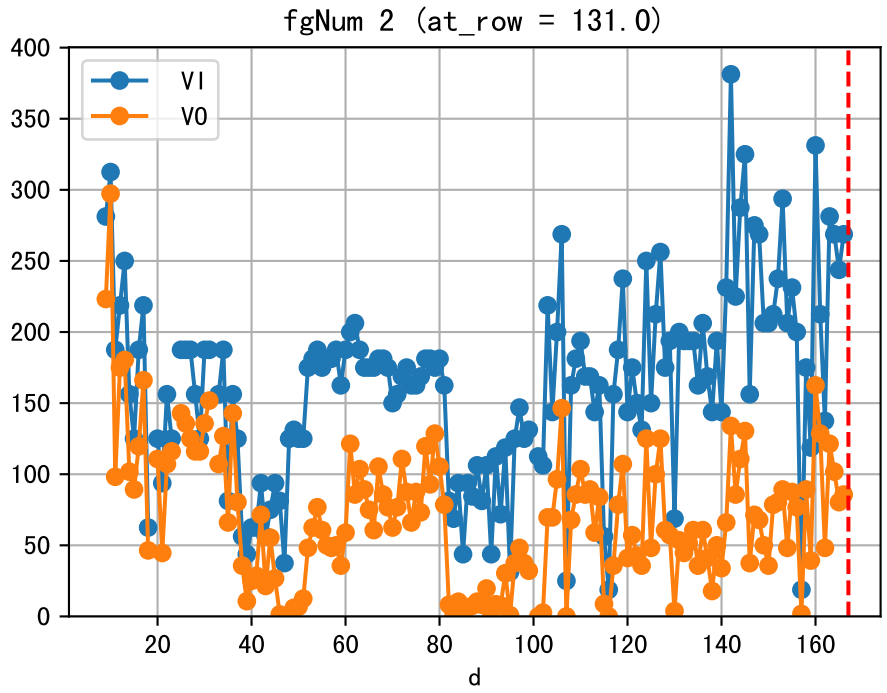
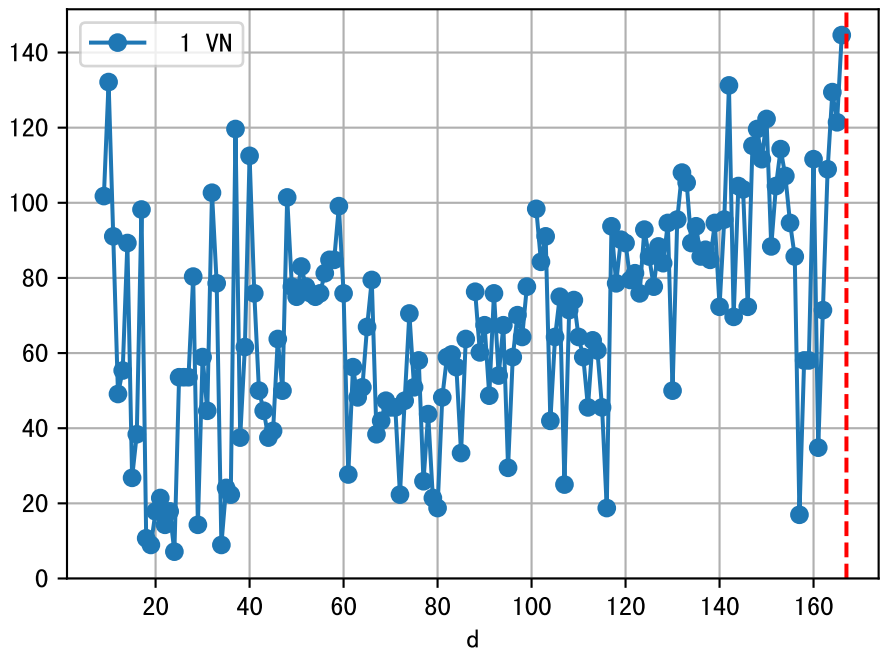
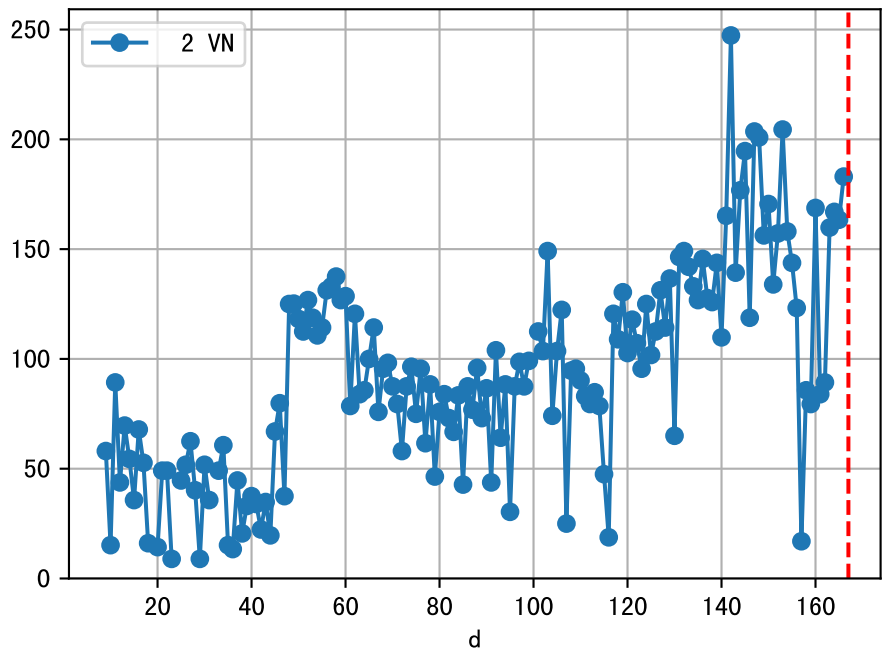
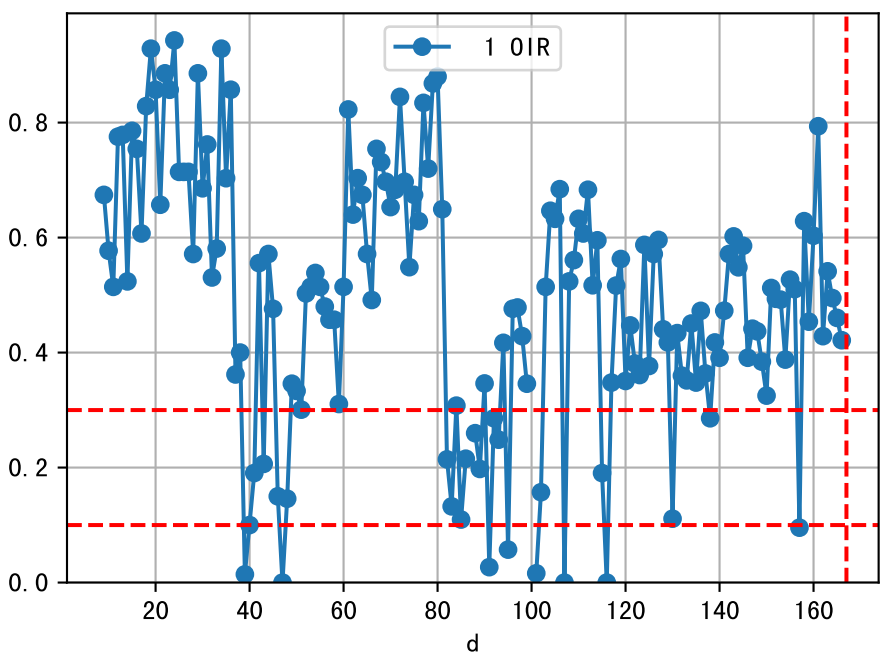
FgArea: ['0']
NC11 P1
2026-03-10 (Day 167)

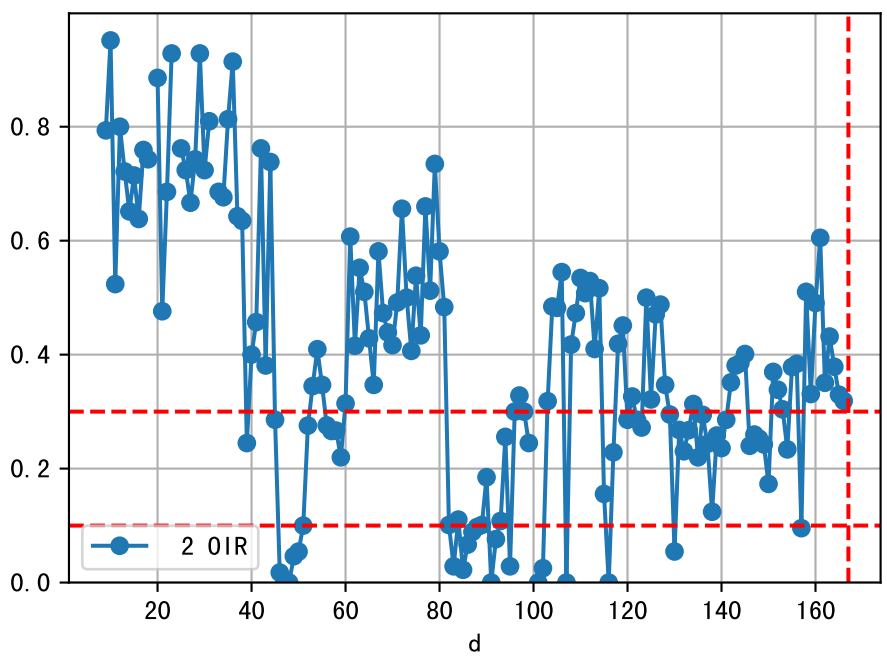

fgNum 1 (at_row = 42.0)
VI
VO
d

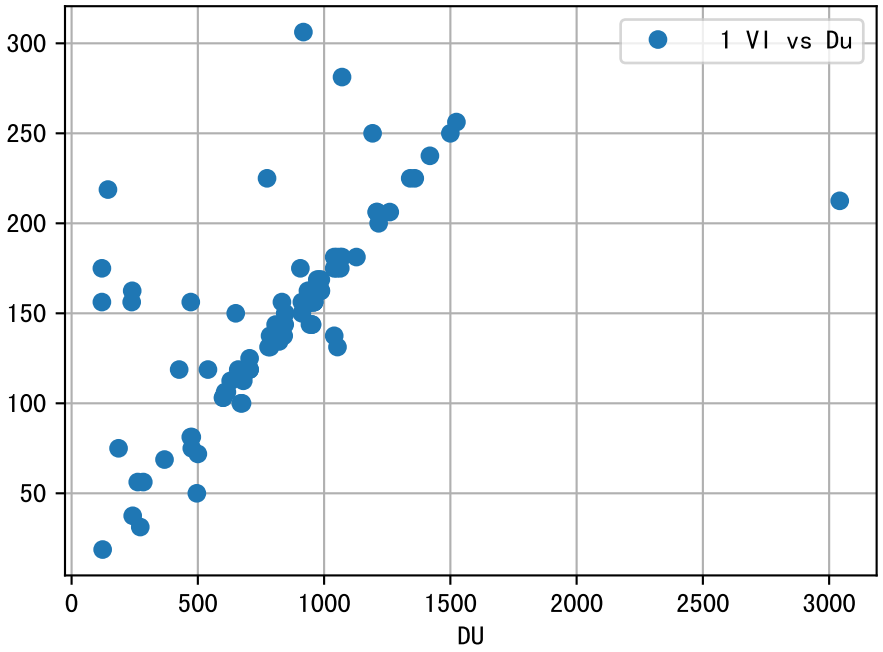

fgNum 2 (at_row = 131.0)
VI
VO
d

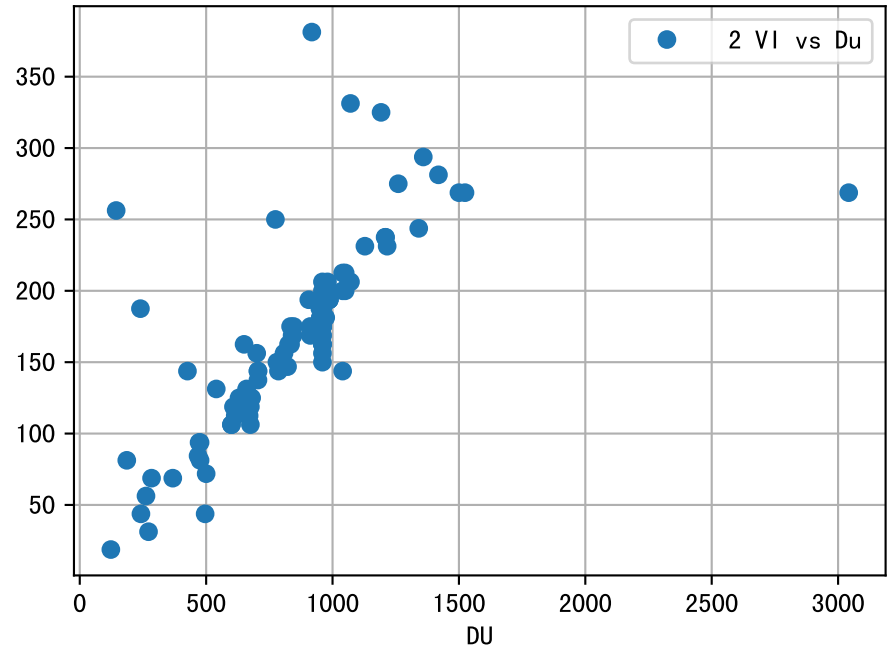

1 VN
d

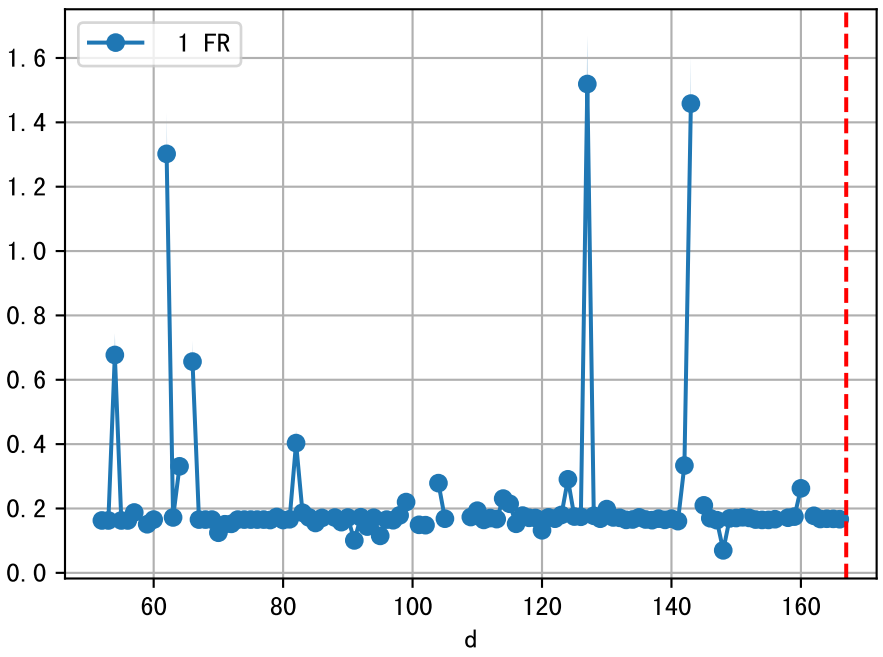

2 VN
d

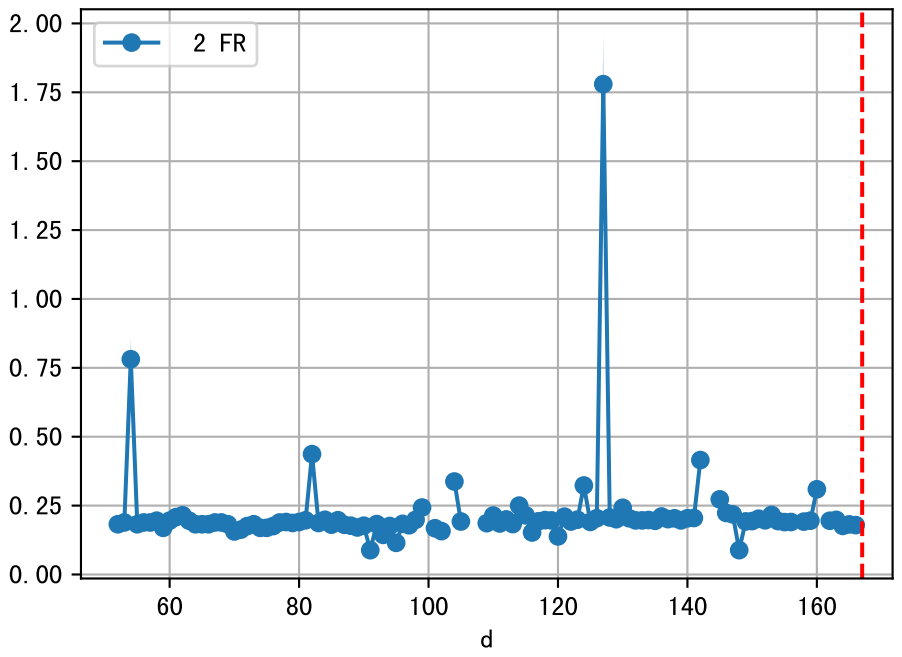

1 OIR
d

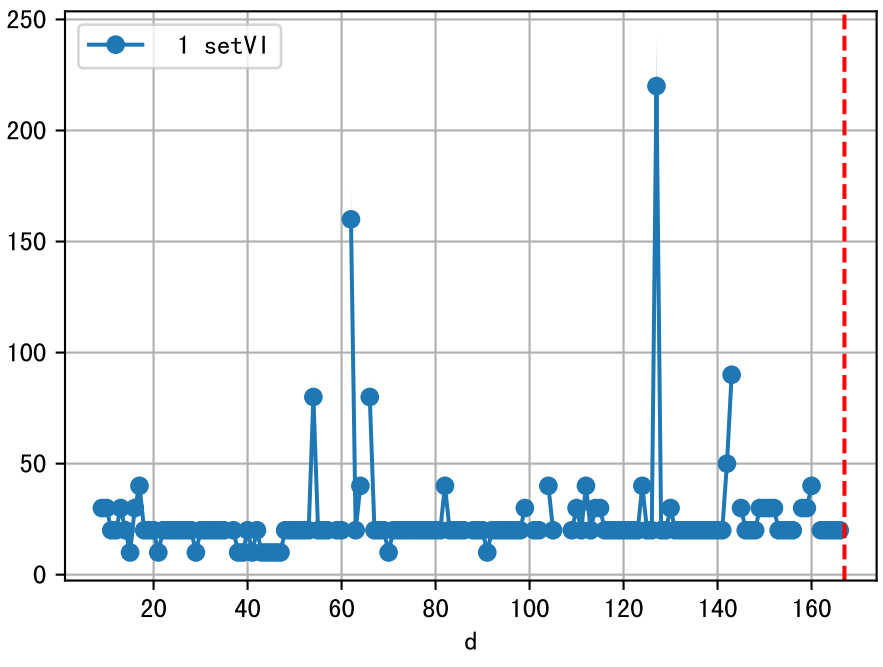

2 OIR
d

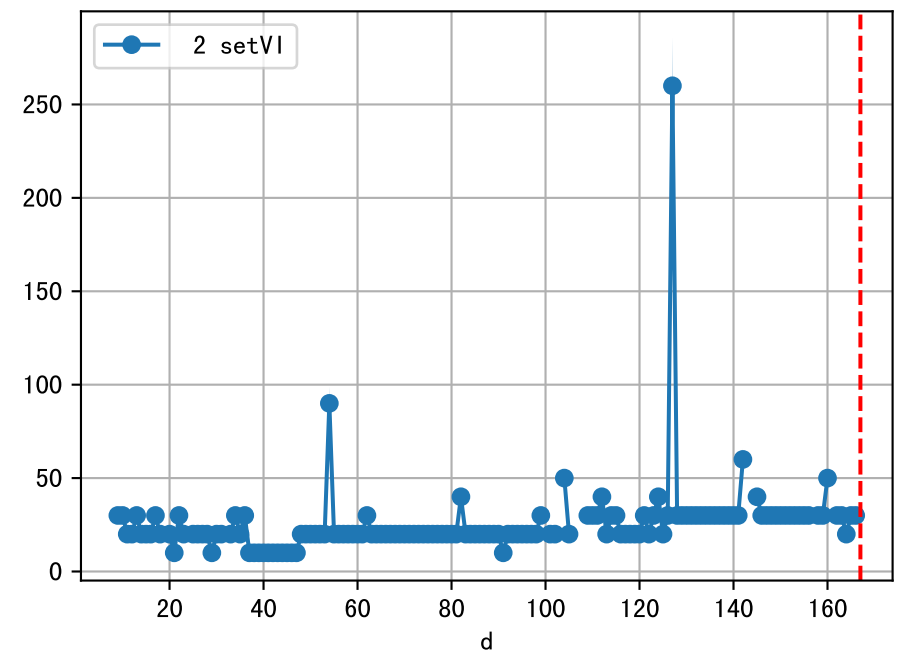

1 VI vs Du
300
250
200
150
100
50
0
500
1000
1500
2000
2500
3000
DU

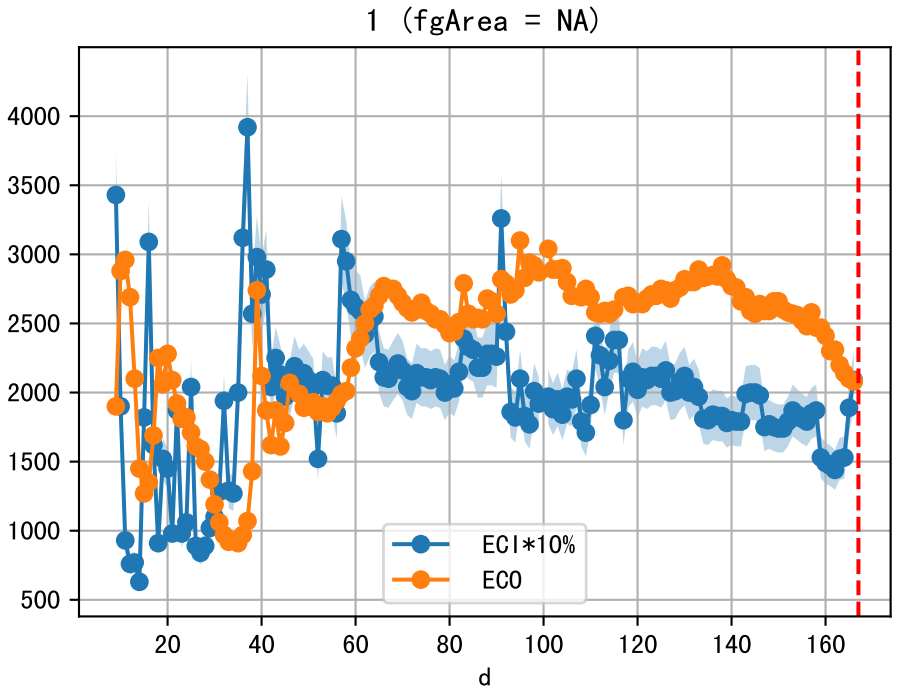

2 VI vs Du
350
300
250
200
150
100
50
0
500
1000
1500
2000
2500
3000
DU

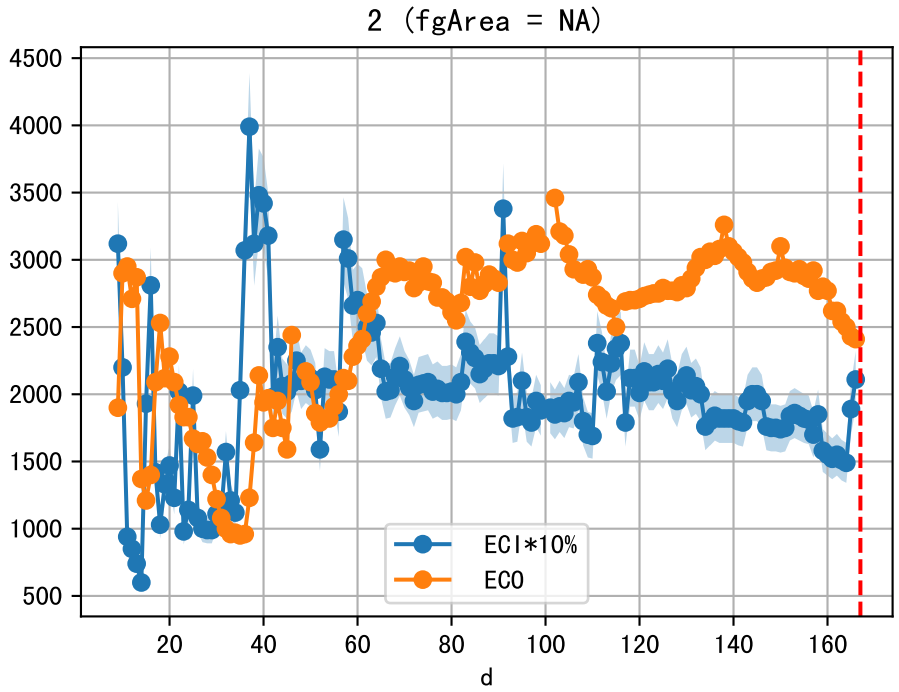

1 FR
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
60
80
100
120
140
160
d

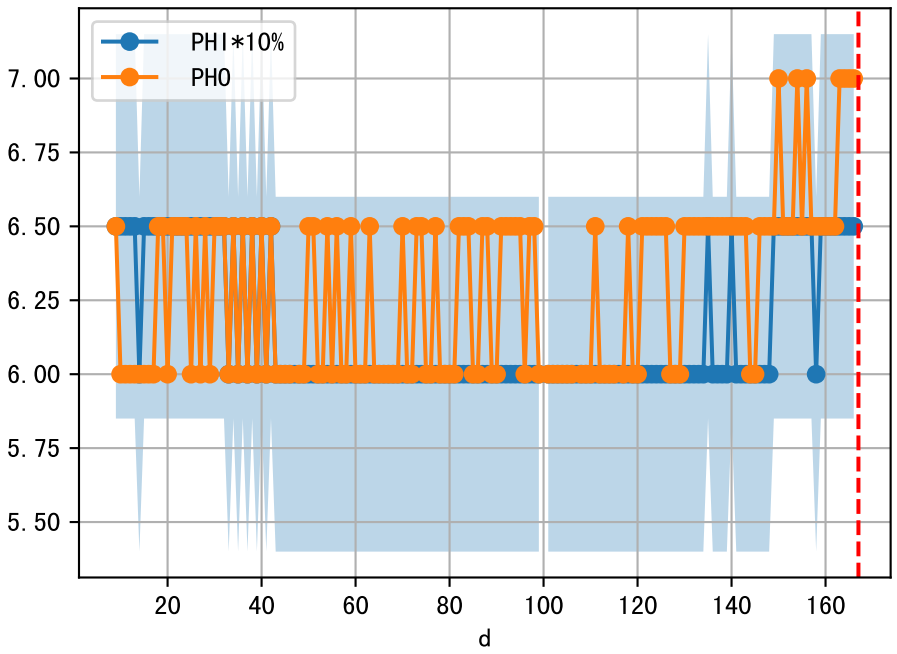

2 FR
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
60
80
100
120
140
160
d

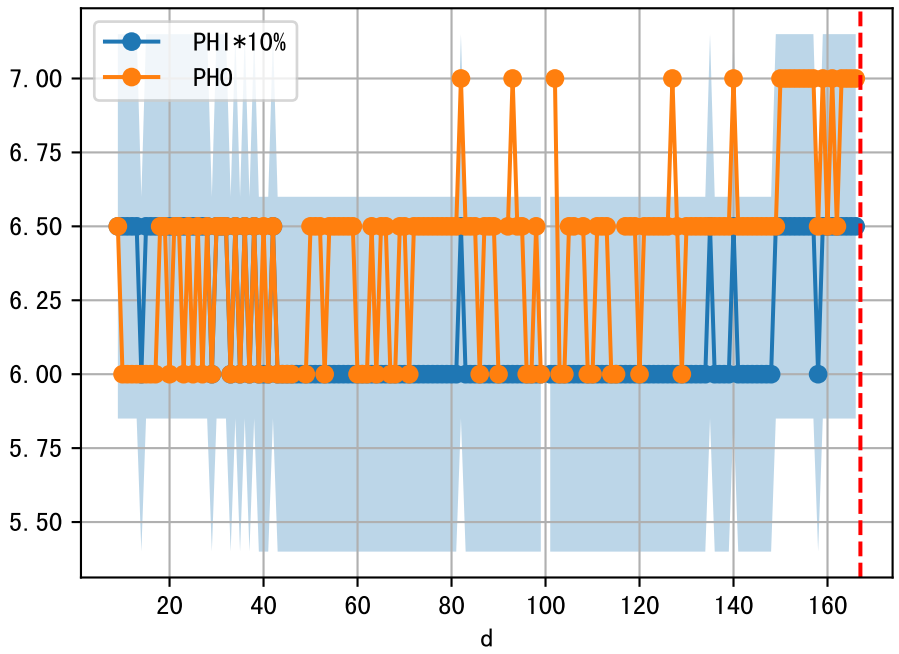

1 setVI
250
200
150
100
50
0
20
40
60
80
100
120
140
160
d

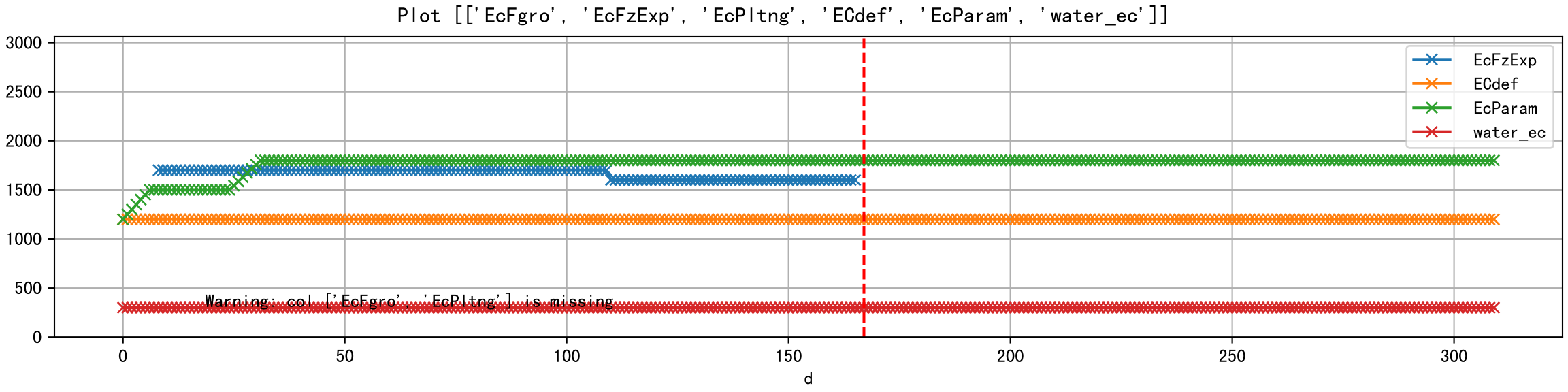

2 setVI
250
200
150
100
50
0
20
40
60
80
100
120
140
160
d

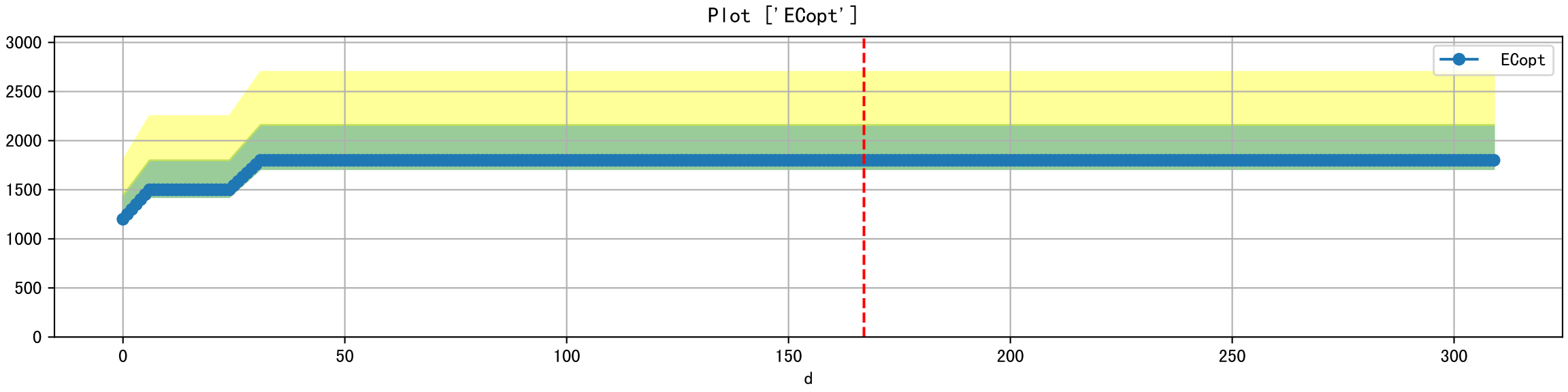

1 (fgArea = NA)
4000
3500
3000
2500
2000
1500
1000
500
20
40
60
80
100
120
140
160
d
ECI*10%
ECO

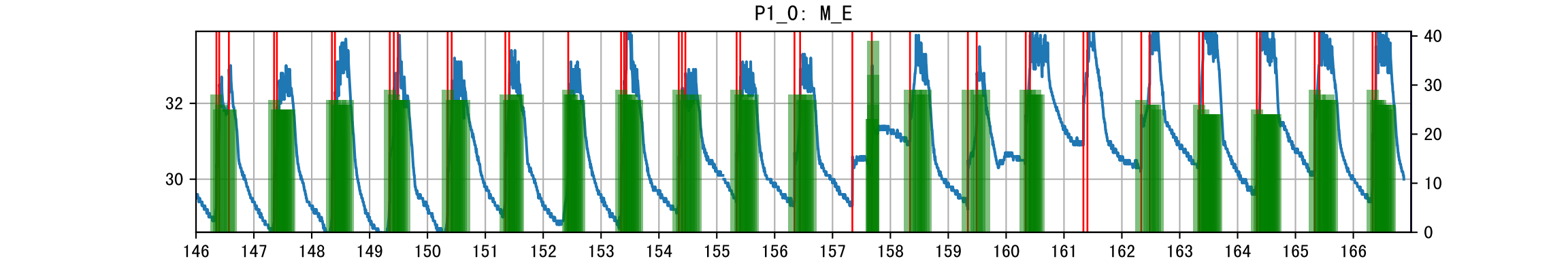

2 (fgArea = NA)
4500
4000
3500
3000
2500
2000
1500
1000
500
20
40
60
80
100
120
140
160
d
ECI*10%
ECO

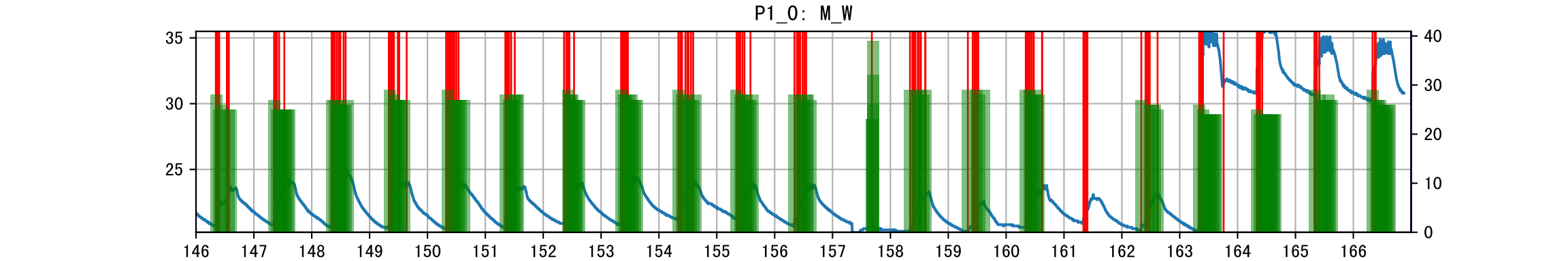

PHI*10%
PHO
7.00
6.75
6.50
6.25
6.00
5.75
5.50
20
40
60
80
100
120
140
160
d


PHI*10%
PHO
7.00
6.75
6.50
6.25
6.00
5.75
5.50
20
40
60
80
100
120
140
160
d

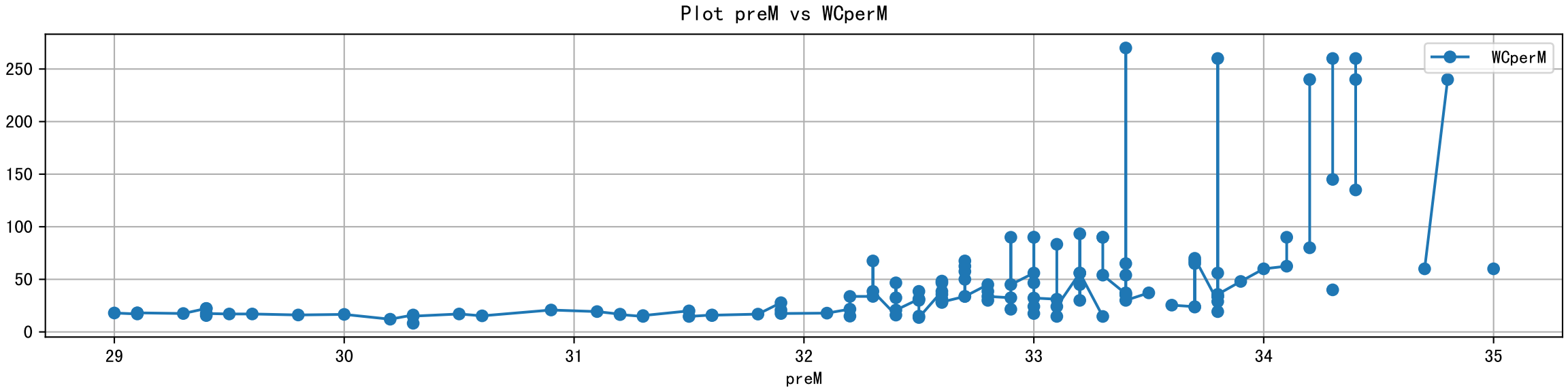

Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'EcParam', 'water_ec']]
EcFzExp
ECdef
EcParam
water_ec
Warning: col ['EcFgro', 'EcPltng'] is missing
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
250
300
d

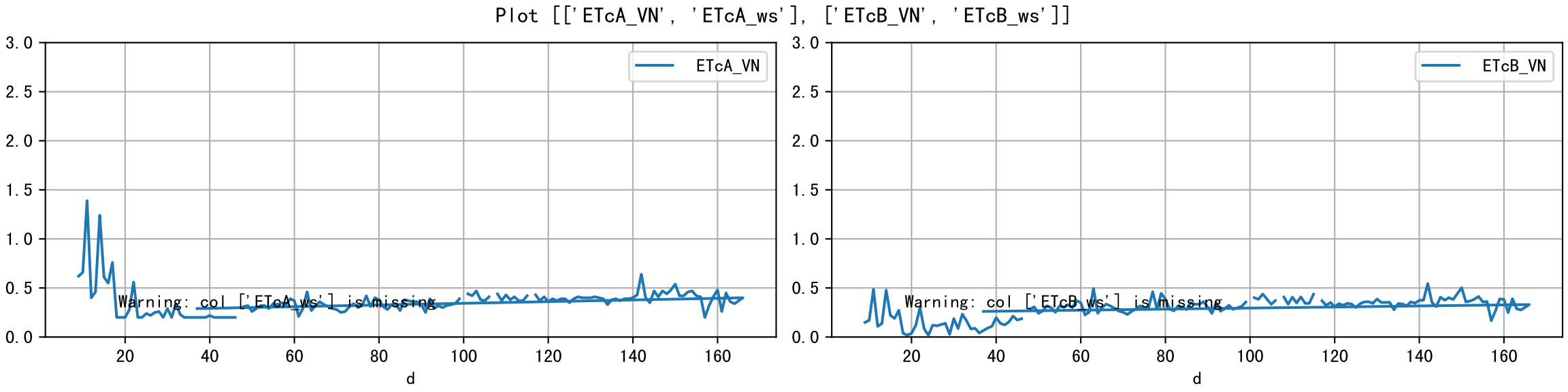

Plot ['ECopt']
ECopt
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
250
300
d

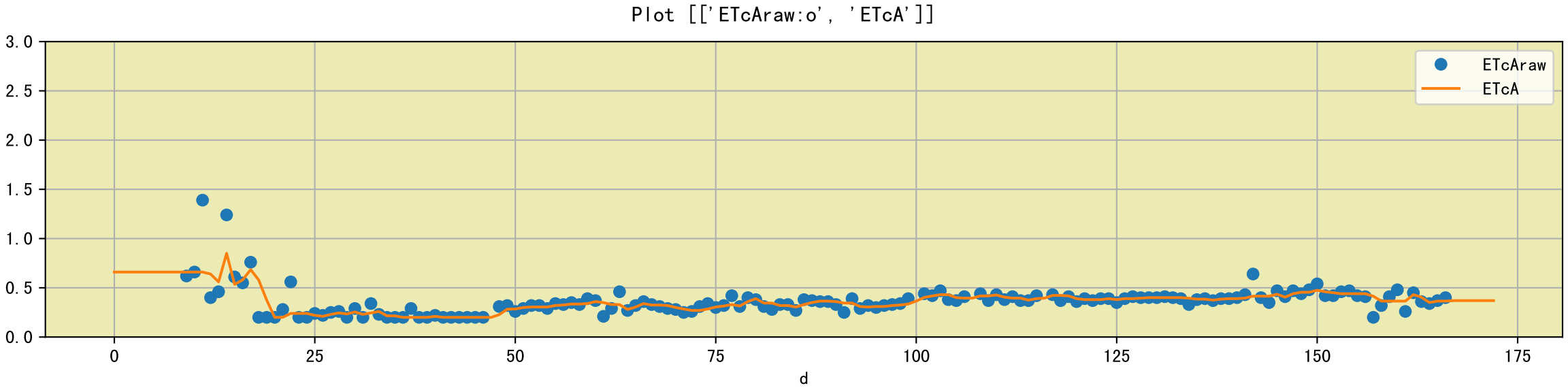

P1_0: M_E
32
30
40
30
20
10
0
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166

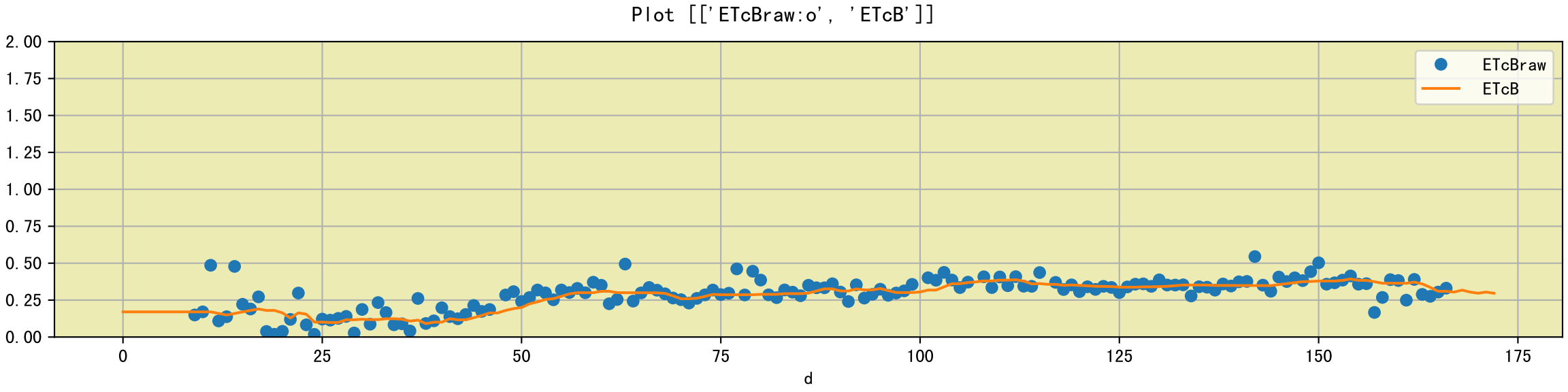

P1_O: M_W
35
30
25
40
30
20
10
0
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166

Plot Sensor and FgRec Data

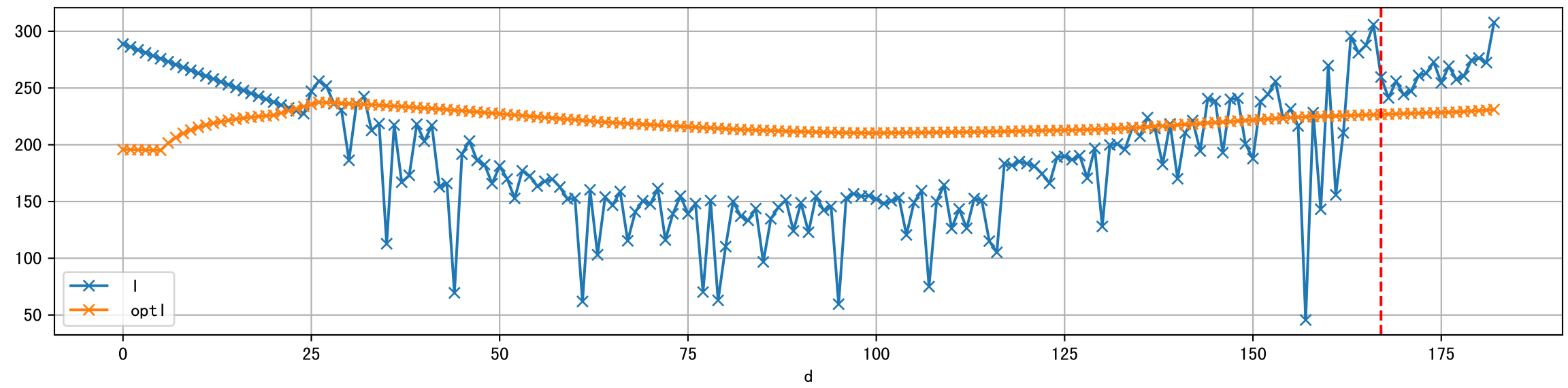

Plot preM vs WCperM
WCperM
250
200
150
100
50
0
29
30
31
32
33
34
35
preM

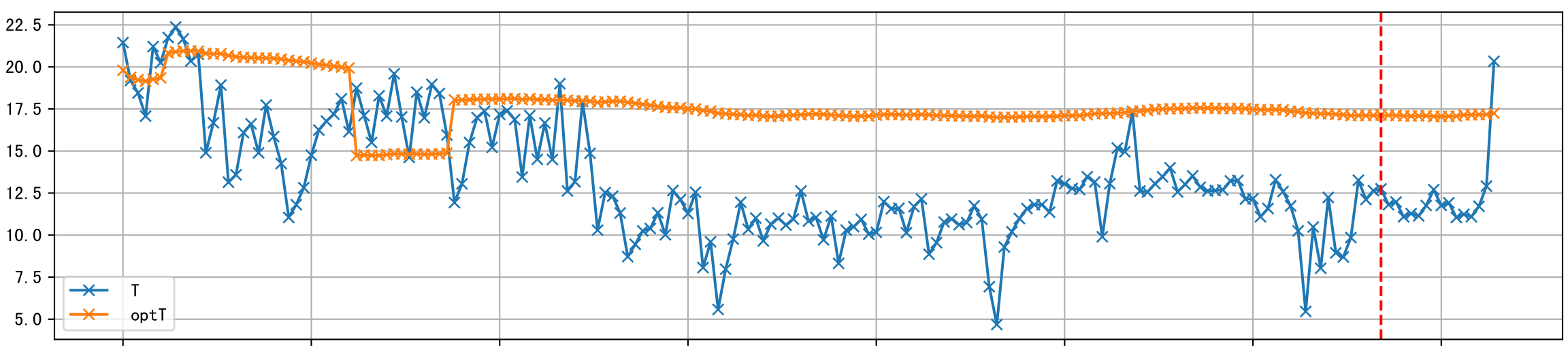

Plot [['ETcA_VN', 'ETcA_ws'], ['ETcB_VN', 'ETcB_ws']]
ETcA_VN
Warning: col ['ETcA_ws'] is missing
d
ETcB_VN
Warning: col ['ETcB_ws'] is missing
d

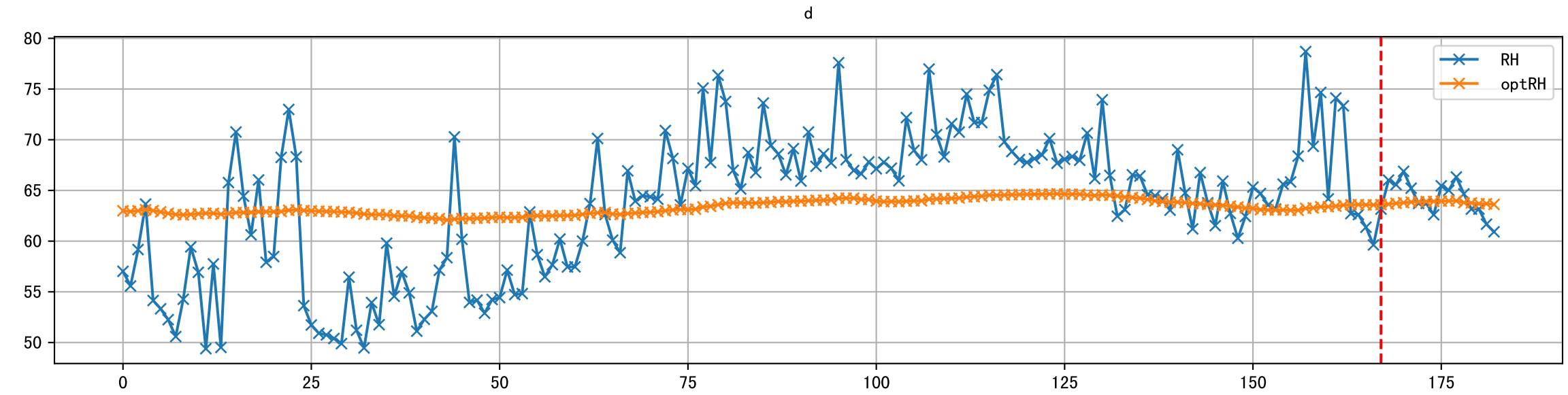

Plot [['ETcAraw:o', 'ETcA']]
ETcAraw
ETcA
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0
25
50
75
100
125
150
175
d

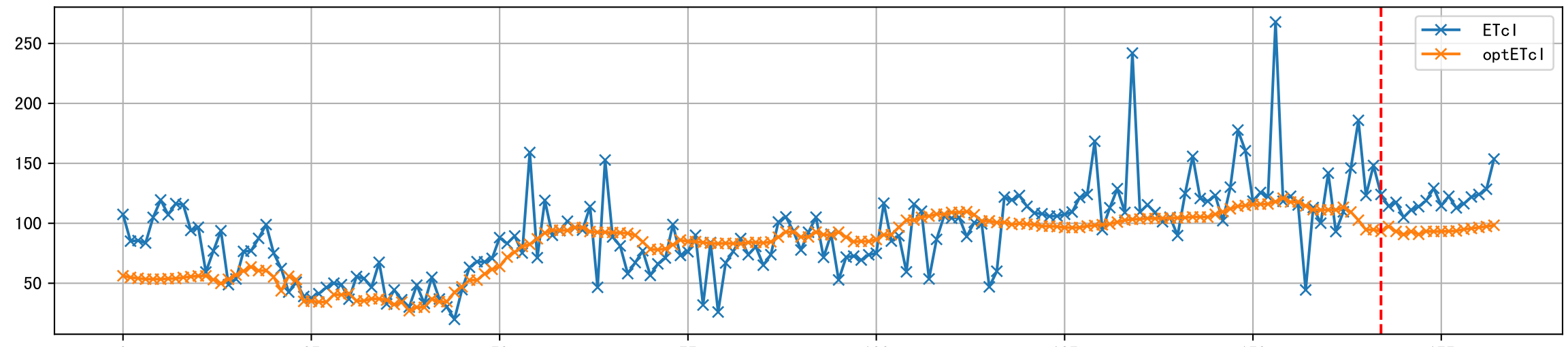

Plot [['ETcBraw:o', 'ETcB']]
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
0
25
50
75
100
125
150
175
d
ETcBraw
ETcB

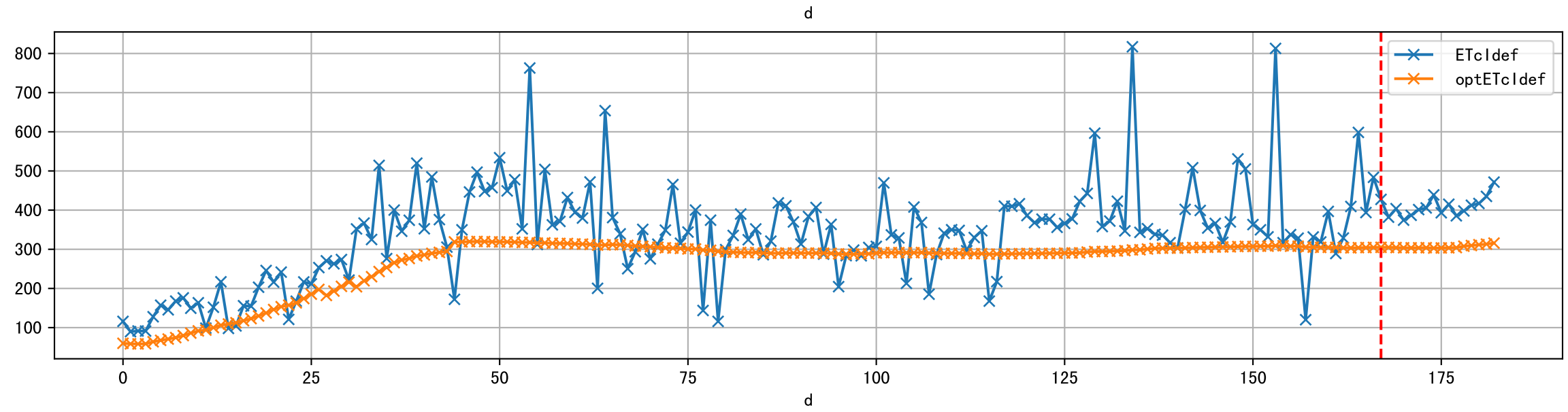
I'], ['T', 'optT'], ['RH', 'optRH'], ['ETcI', 'optETcI'], ['ETcIdef', 'optETcIdef'], ['ETol', 'optETol'], 'LAI', ['optEtRate', 'optEtRateDef', '

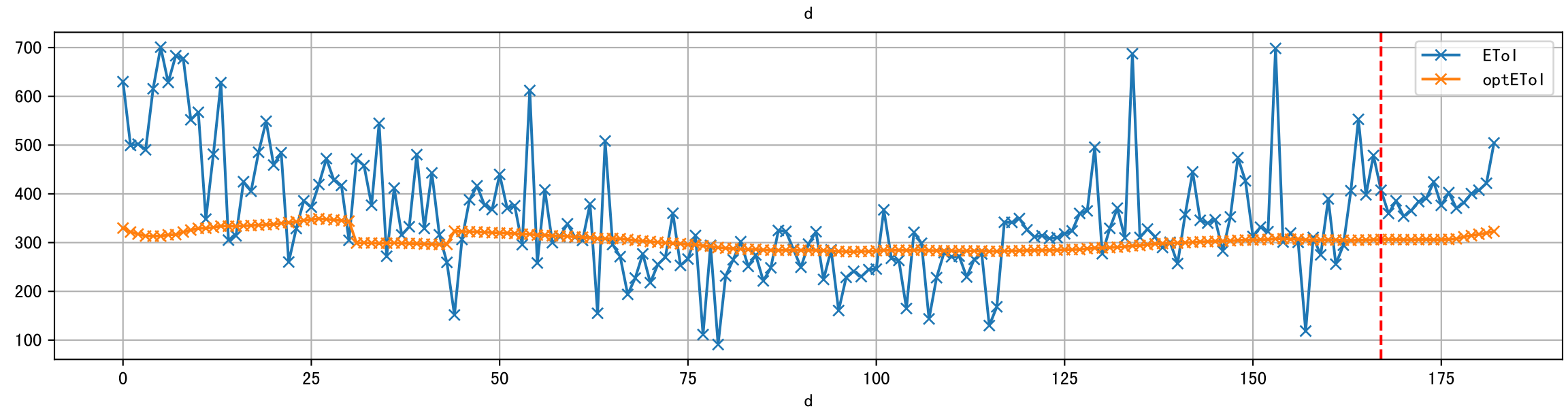


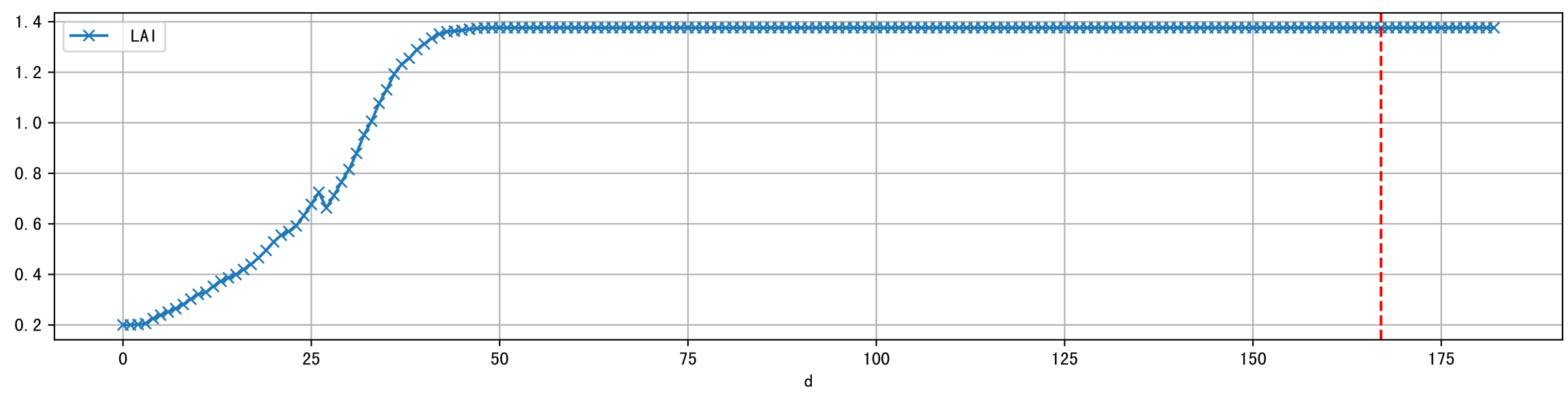


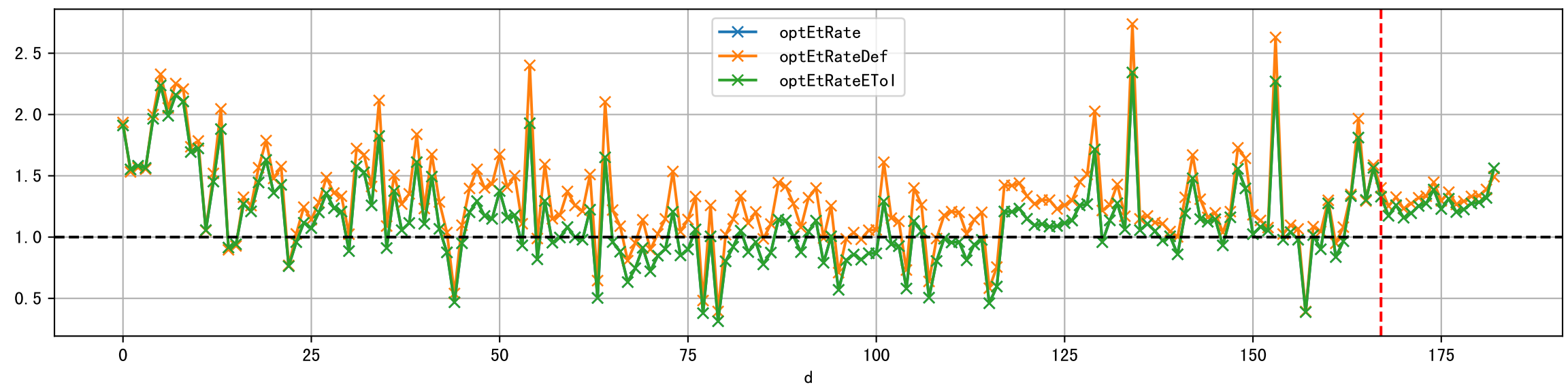


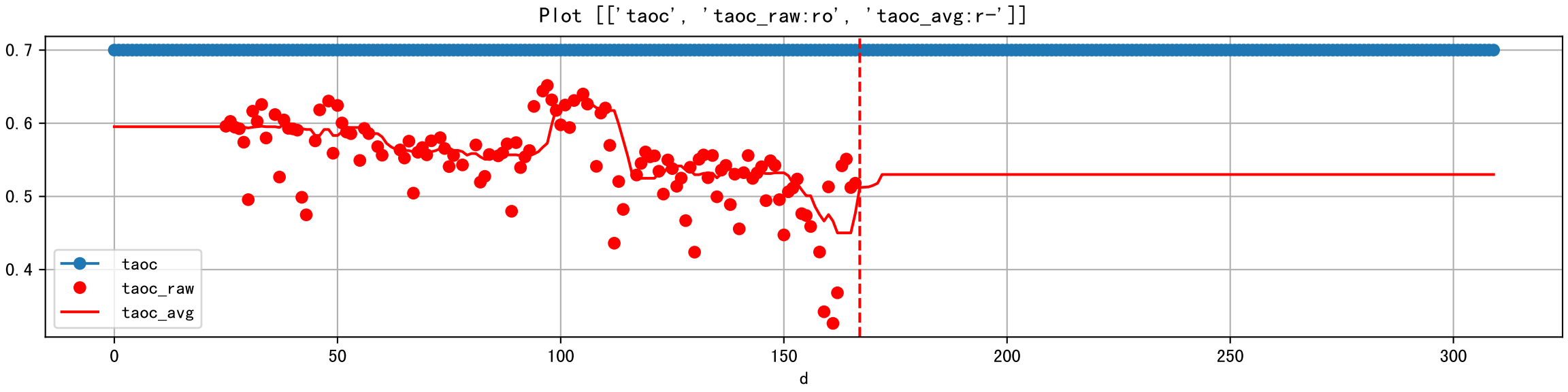


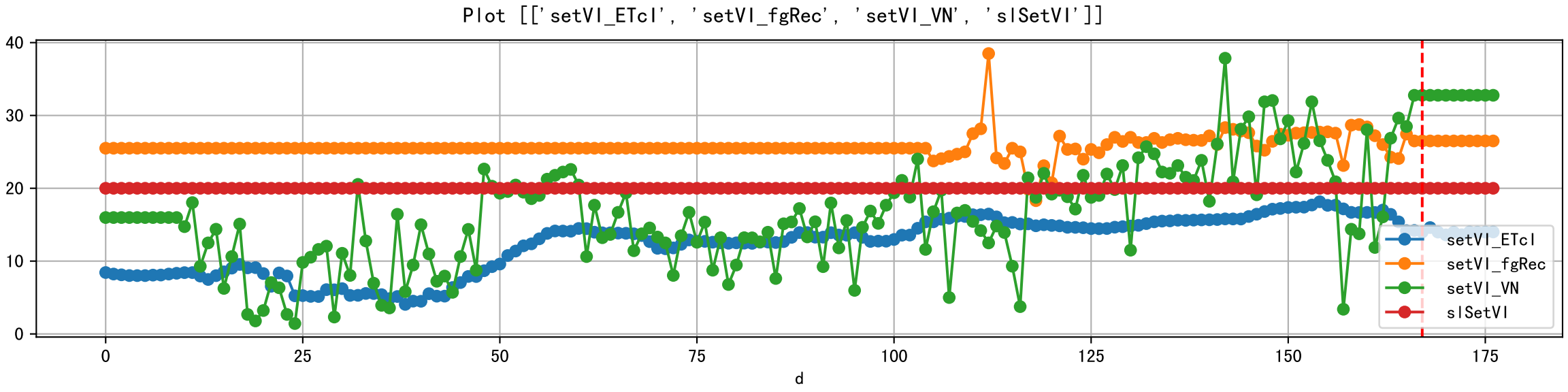


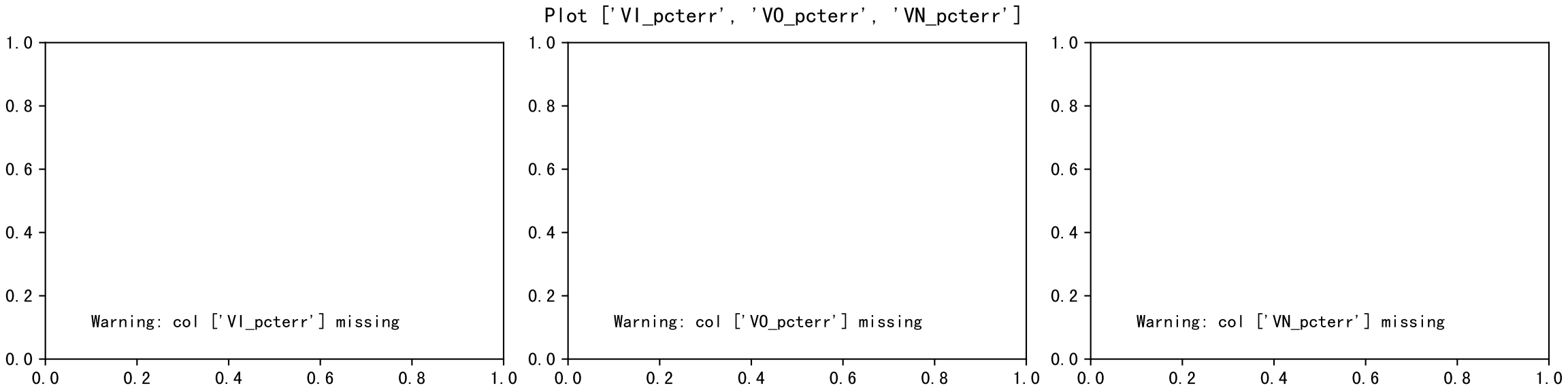


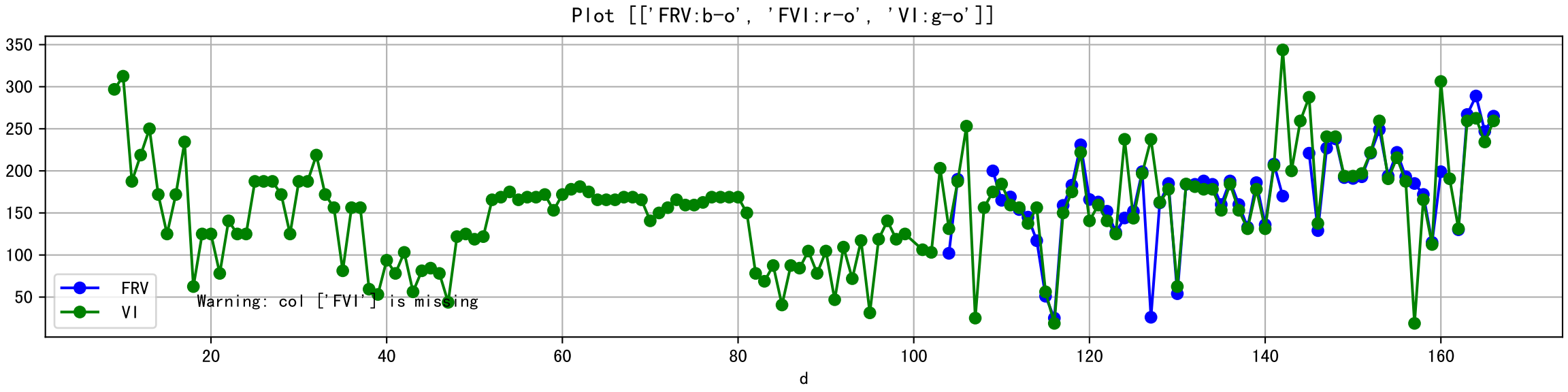


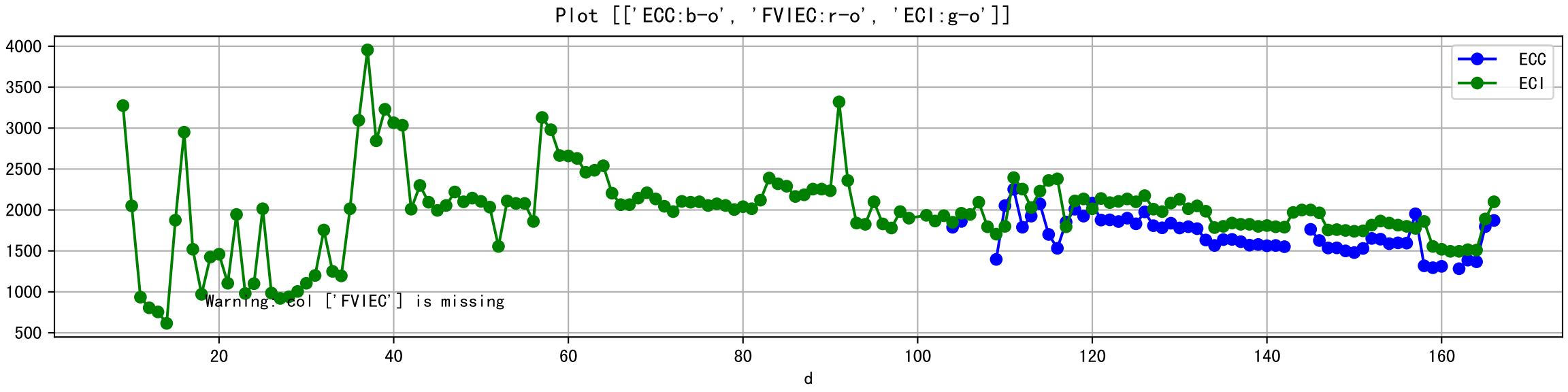


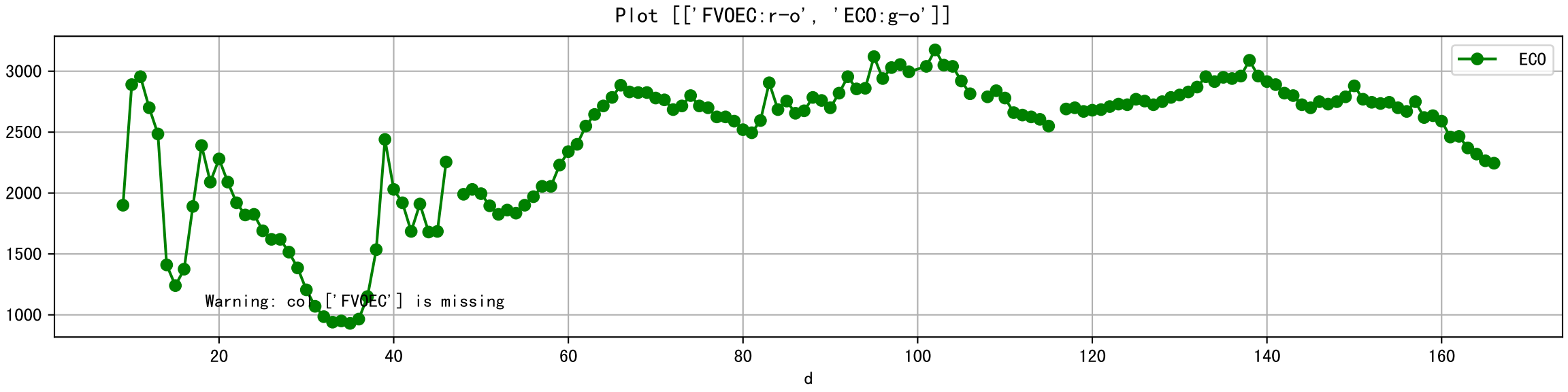

Plot [['taoc', 'taoc_raw:ro', 'taoc_avg:r-']]
0.7
0.6
0.5
0.4
taoc
taoc_raw
taoc_avg
0
50
100
150
200
250
300
d

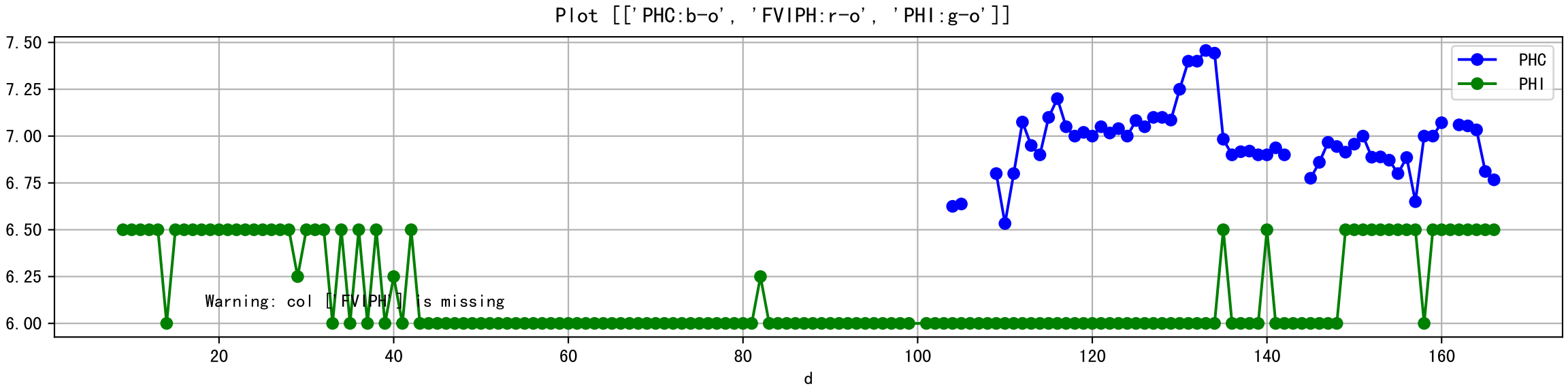

Plot [['setVI_ETcl', 'setVI_fgRec', 'setVI_VN', 'slSetVI']]
40
30
20
10
0
0
25
50
75
100
125
150
175
d
setVI_ETcl
setVI_fgRec
setVI_VN
slSetVI

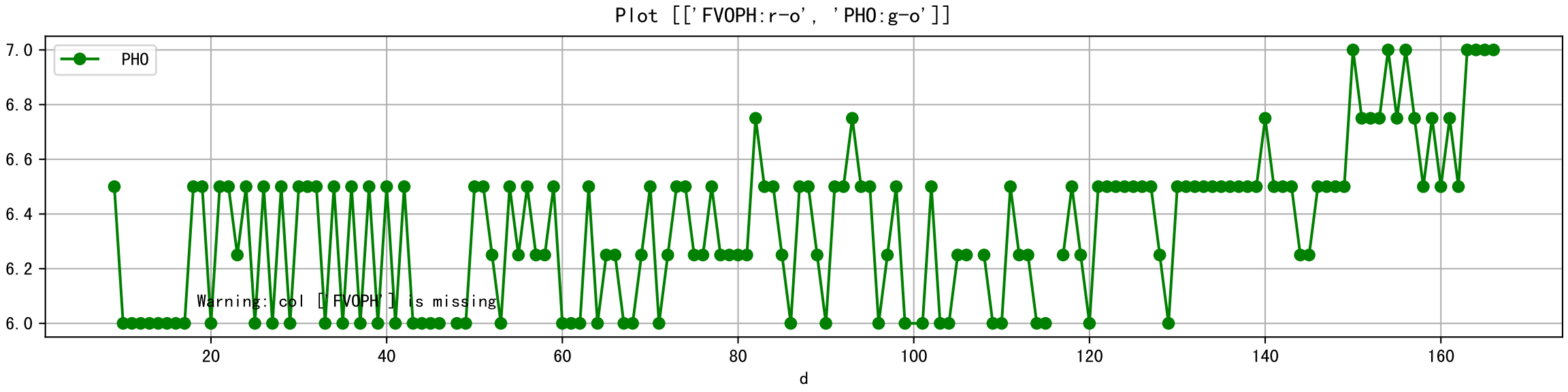

Plot ['VI_pcterr', 'VO_pcterr', 'VN_pcterr']
Warning: col ['VI_pcterr'] missing
Warning: col ['VO_pcterr'] missing
Warning: col ['VN_pcterr'] missing
0.0
0.2
0.4
0.6
0.8
1.0

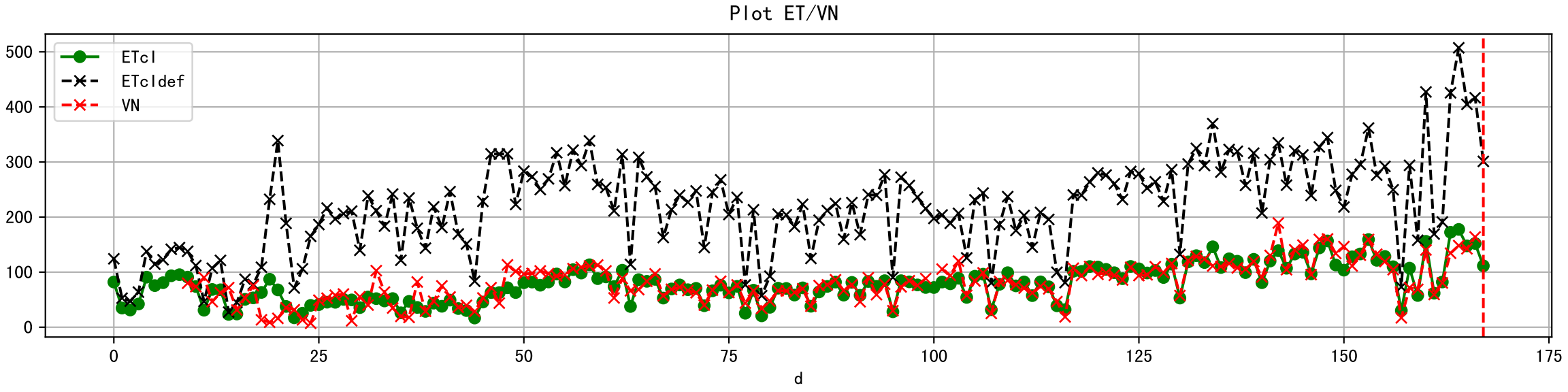

Plot [['FRV:b-o', 'FVI:r-o', 'VI:g-o']]
FRV
VI
Warning: col ['FVI'] is missing
d


Plot [['ECC:b-o', 'FVIEC:r-o', 'ECI:g-o']]
ECC
ECI
Warning: col ['FVIEC'] is missing
d
4000
3500
3000
2500
2000
1500
1000
500
20
40
60
80
100
120
140
160

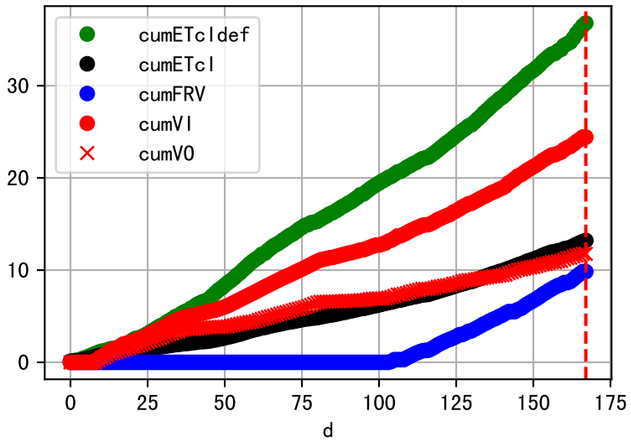

Plot [['FVOEC:r-o', 'ECO:g-o']]
ECO
Warning: col ['FVOEC'] is missing
3000
2500
2000
1500
1000
20
40
60
80
100
120
140
160
d

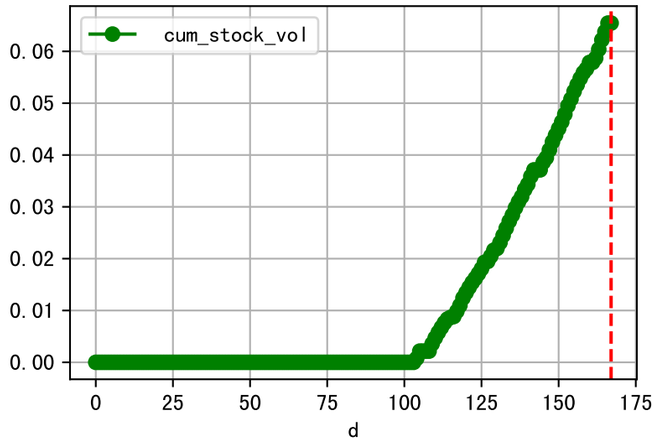

Plot [['PHC:b-o', 'FVIPH:r-o', 'PHI:g-o']]
7.50
7.25
7.00
6.75
6.50
6.25
6.00
20
40
60
80
100
120
140
160
d
PHC
PHI
Warning: col [FVIPH] is missing

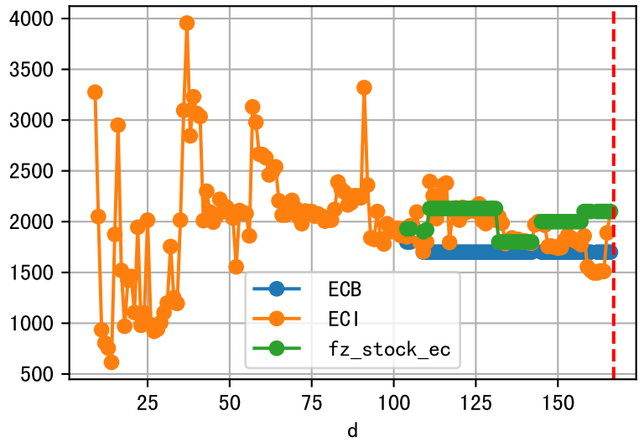

Plot [['FVOPH:r-o', 'PHO:g-o']]
PHO
Warning: col ['FVOPH'] is missing
7.0
6.8
6.6
6.4
6.2
6.0
20
40
60
80
100
120
140
160
d

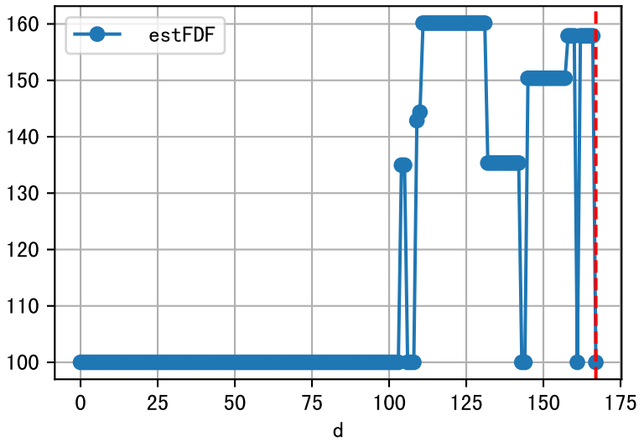

Plot ET/VN
ETcl
ETcldef
VN
500
400
300
200
100
0
0
25
50
75
100
125
150
175
d

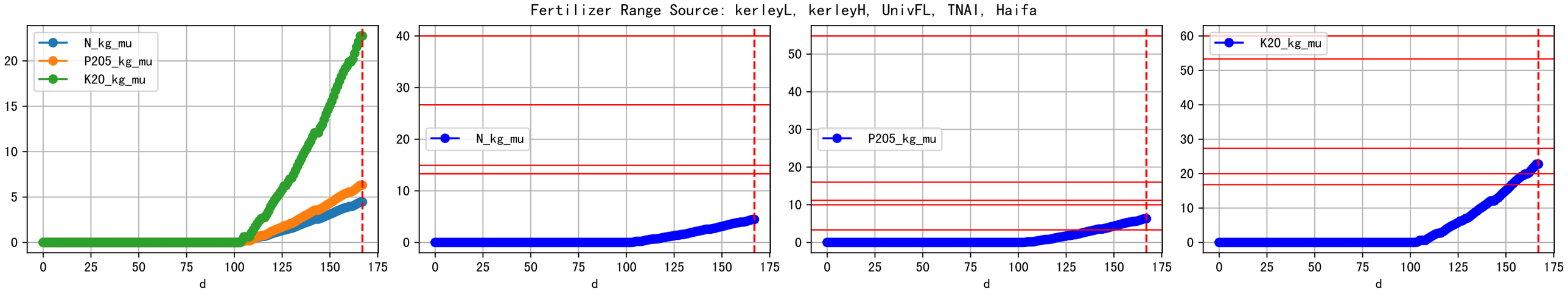
Plot Fv and fertilizer usage

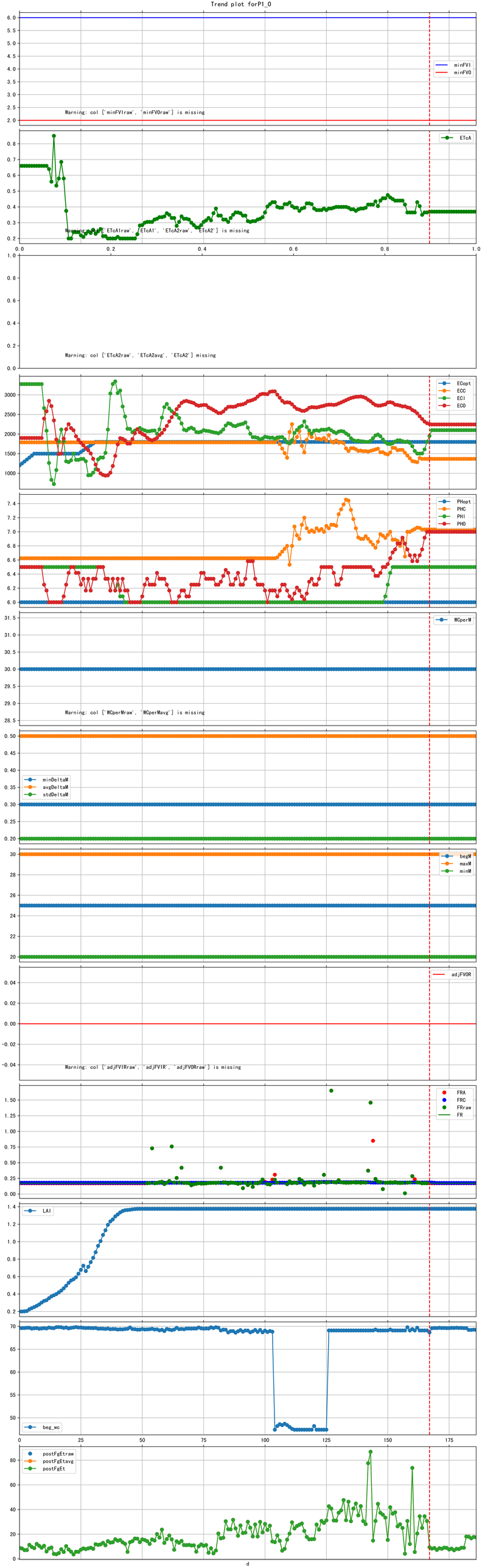


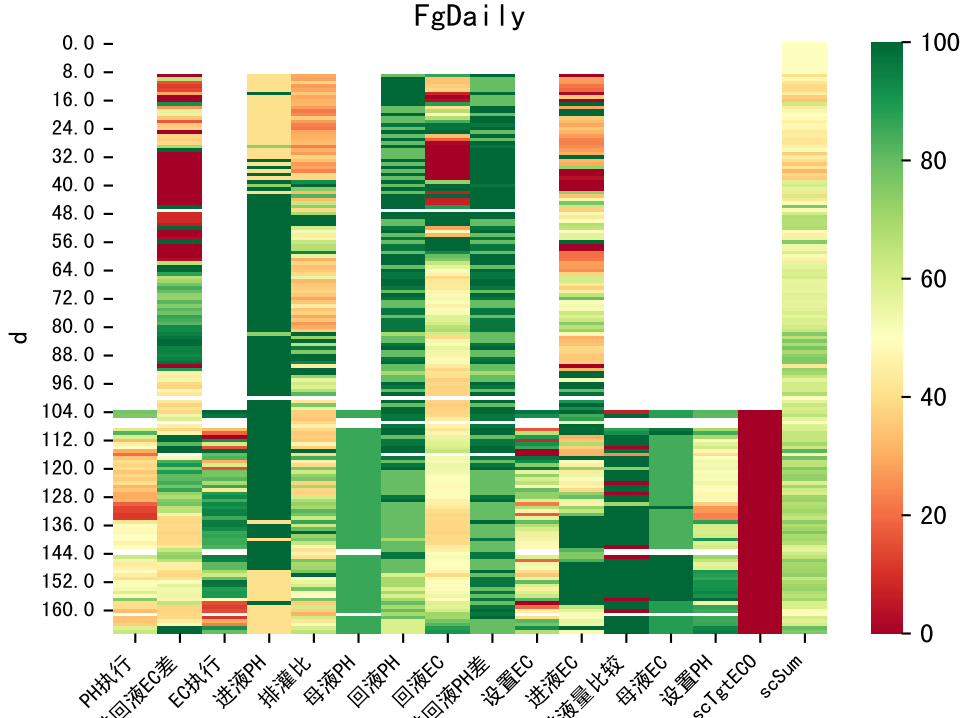




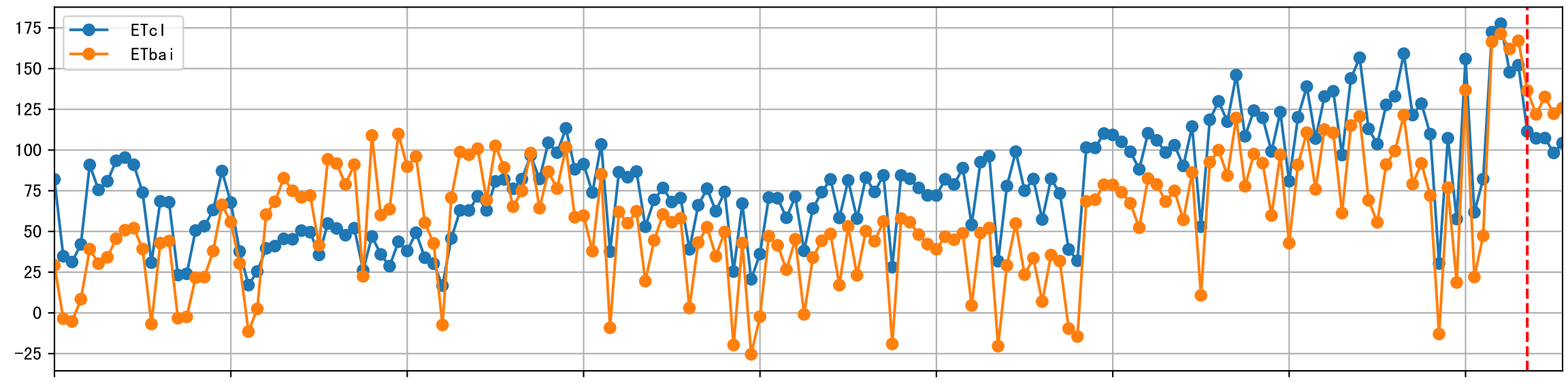


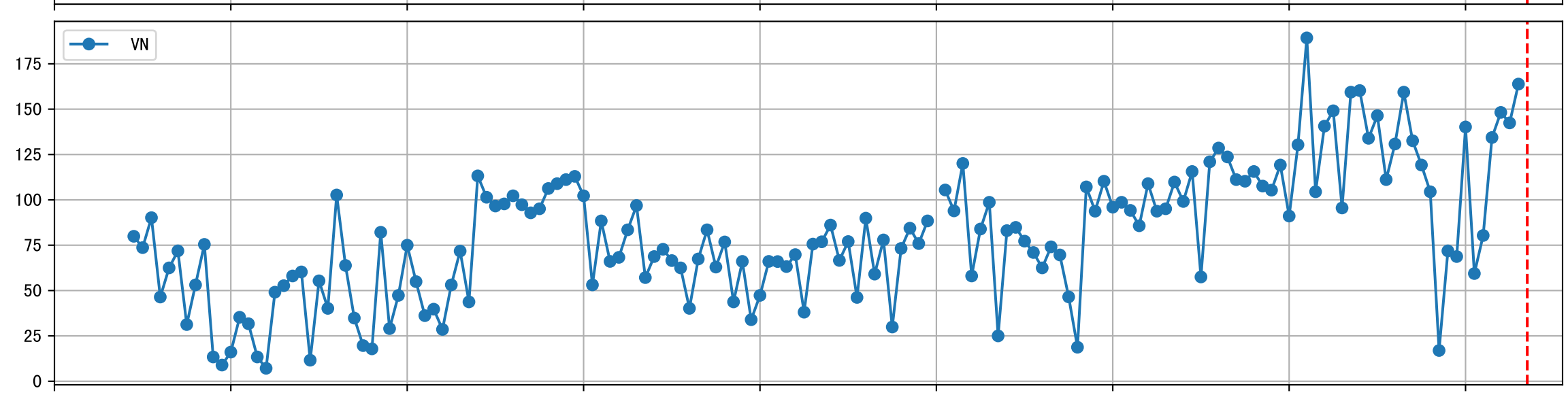

Fertilizer Range Source: kerleyL, kerleyH, UnivFL, TNAI, Haifa
N_kg_mu
P205_kg_mu
K20_kg_mu
d

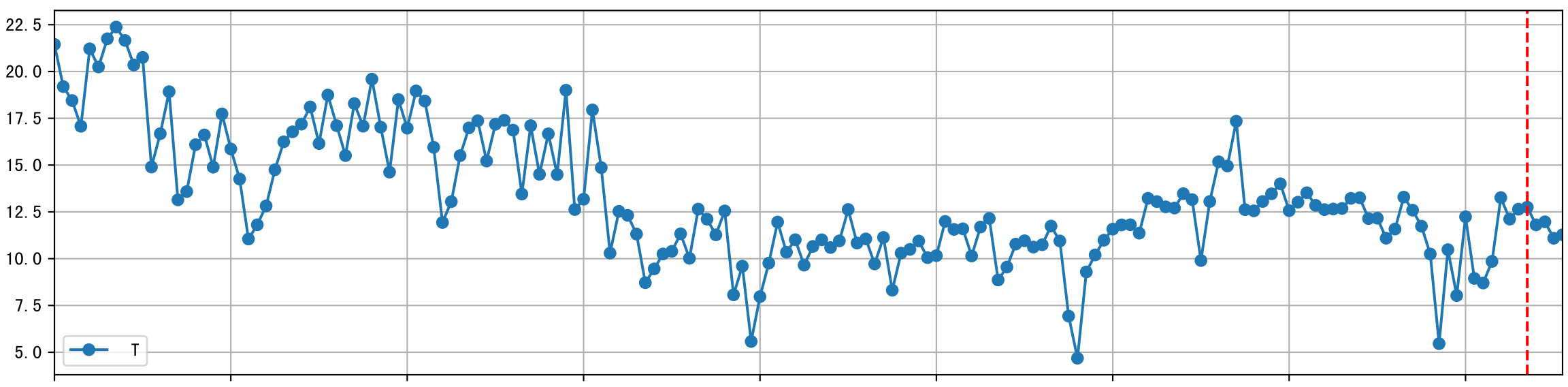

Trend plot forP1_0
minFVI
minFVO
Warning: col ['minFVIraw', 'minFVOraw'] is missing
ETcA
Warning: col ['ETcA1raw', 'ETcA1', 'ETcA2raw', 'ETcA2'] is missing
Warning: col ['ETcA2raw', 'ETcA2avg', 'ETcA2'] is missing
ECopt
ECC
ECI
ECO
PHopt
PHC
PHI
PHO
WCperM
Warning: col ['WCperMraw', 'WCperMavg'] is missing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

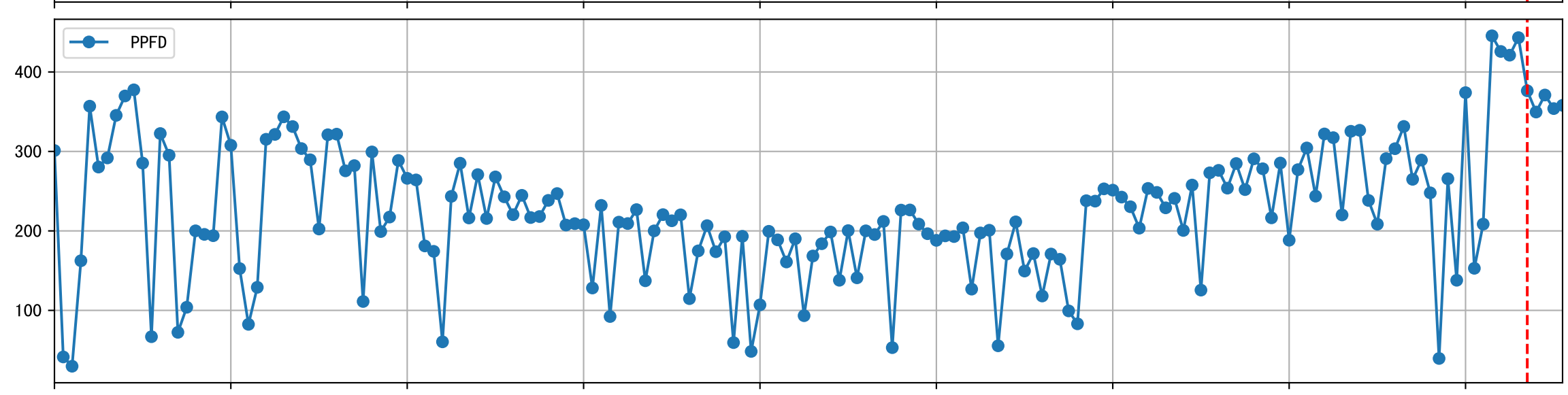

FgDaily
d
0.0
8.0
16.0
24.0
32.0
40.0
48.0
56.0
64.0
72.0
80.0
88.0
96.0
104.0
112.0
120.0
128.0
136.0
144.0
152.0
160.0
100
80
60
40
20
0
PH执行
回液EC差
EC执行
进液PH
排灌比
母液PH
回液PH
回液EC
回液PH差
设置EC
进液EC
液量比较
母液EC
设置PH
scTgtEC0
scSum

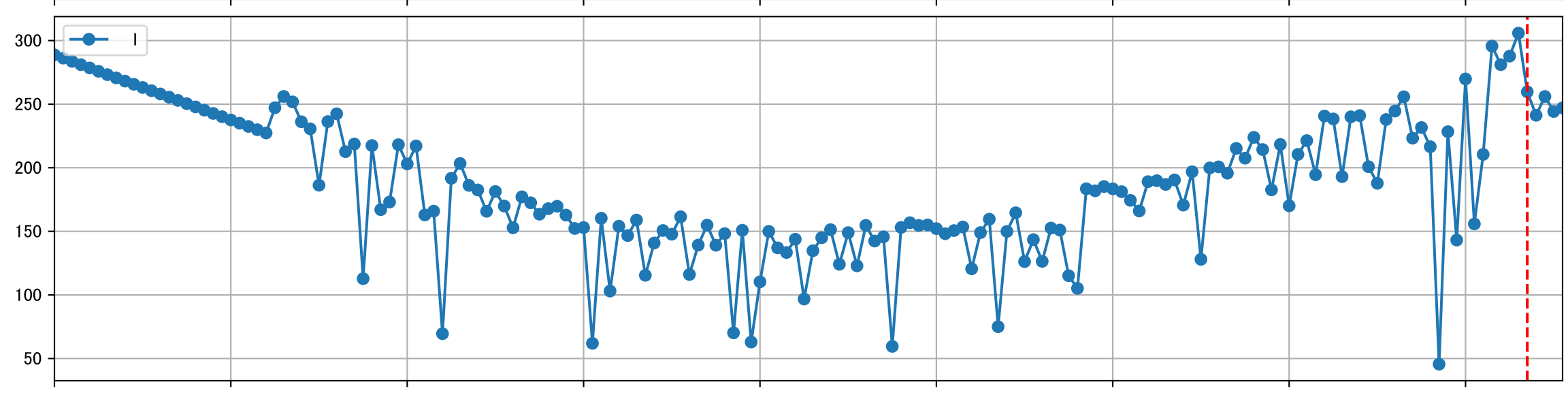
P1_0

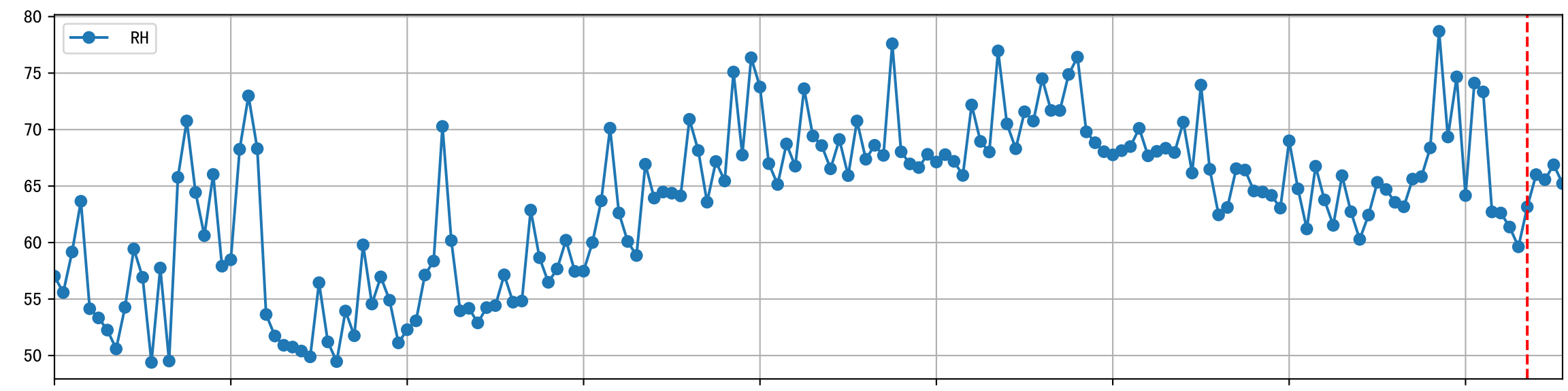


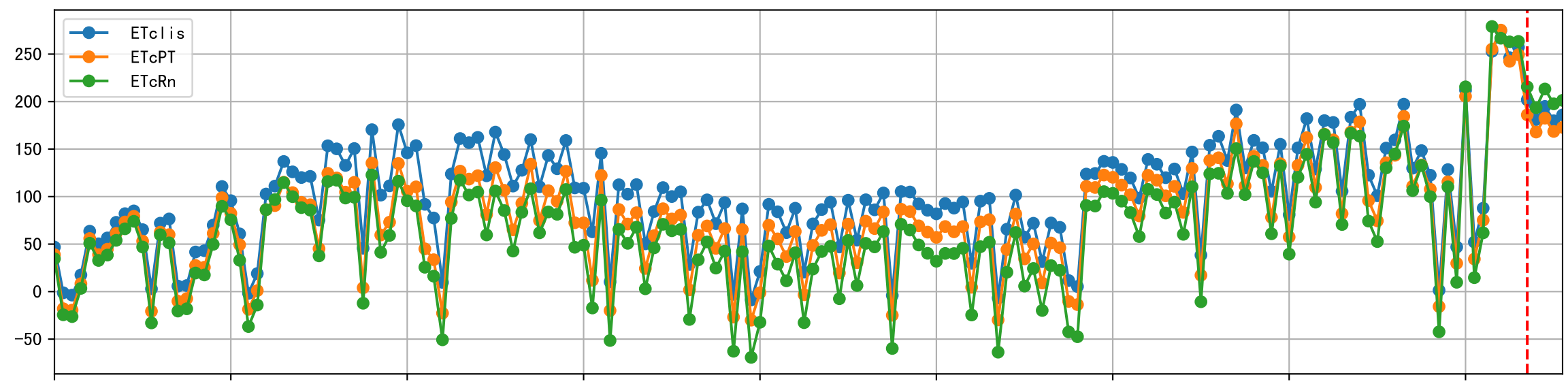




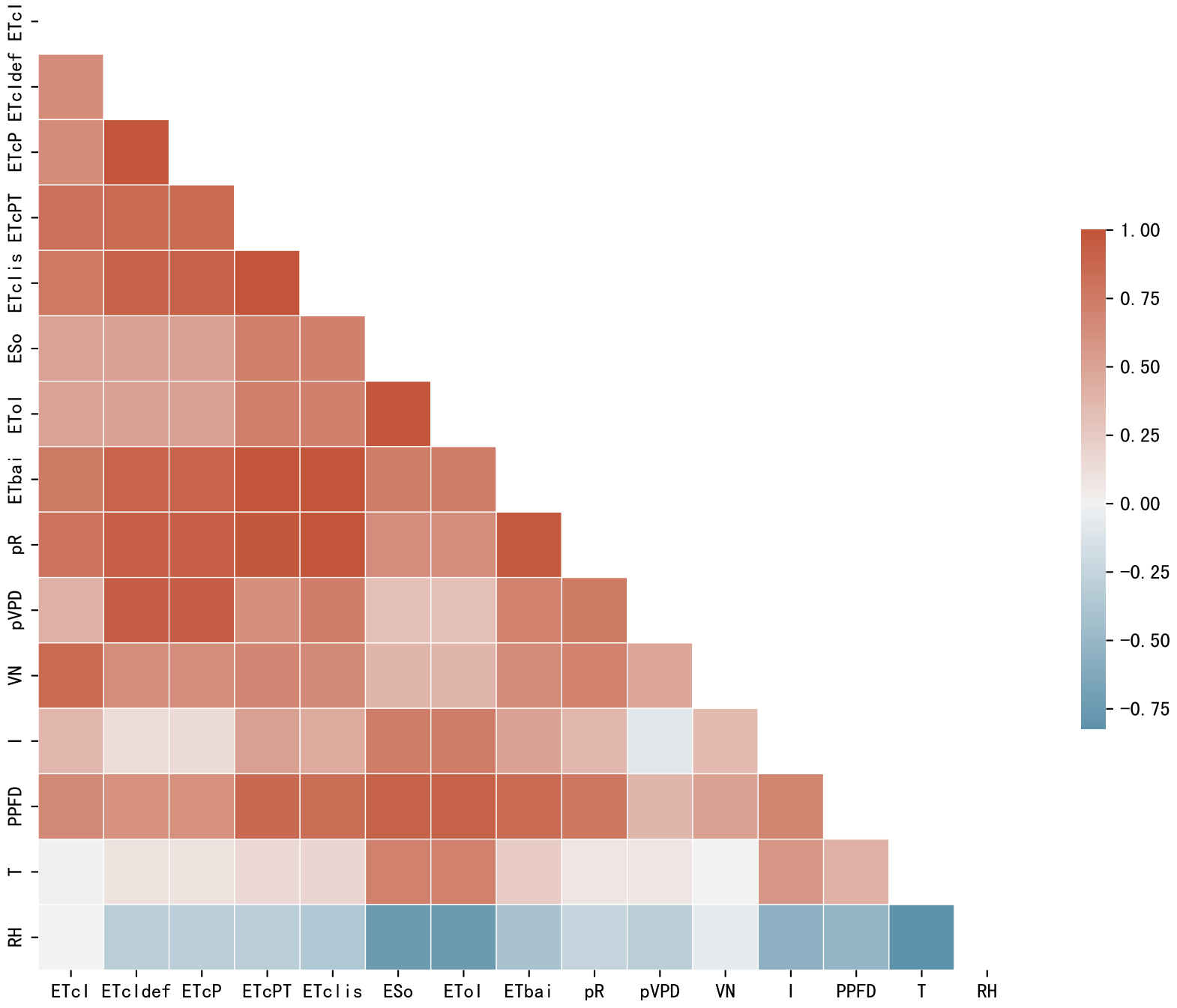


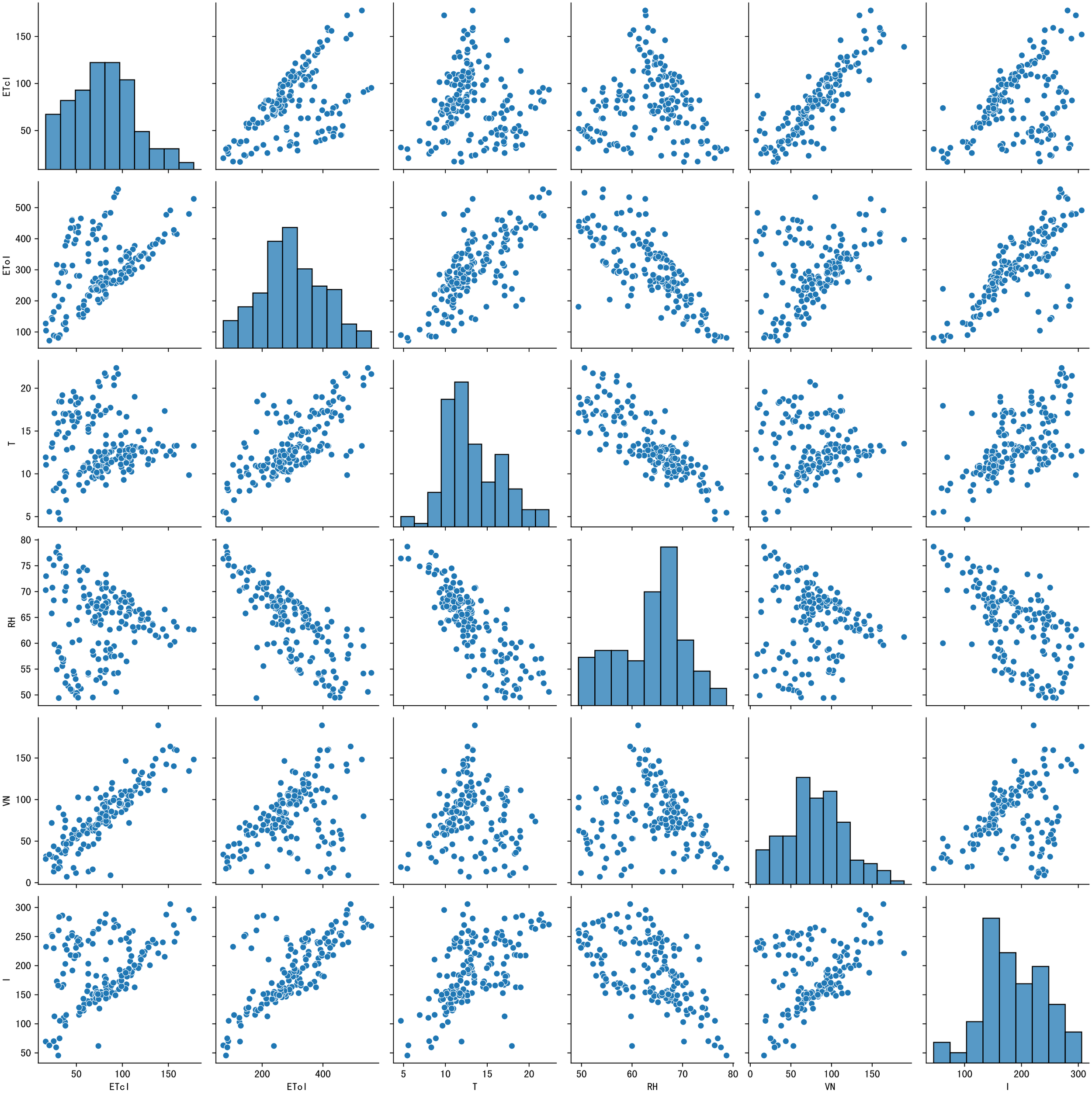


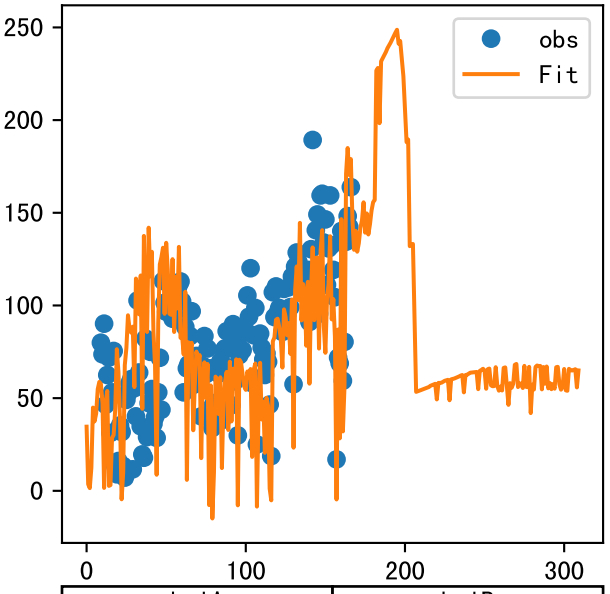


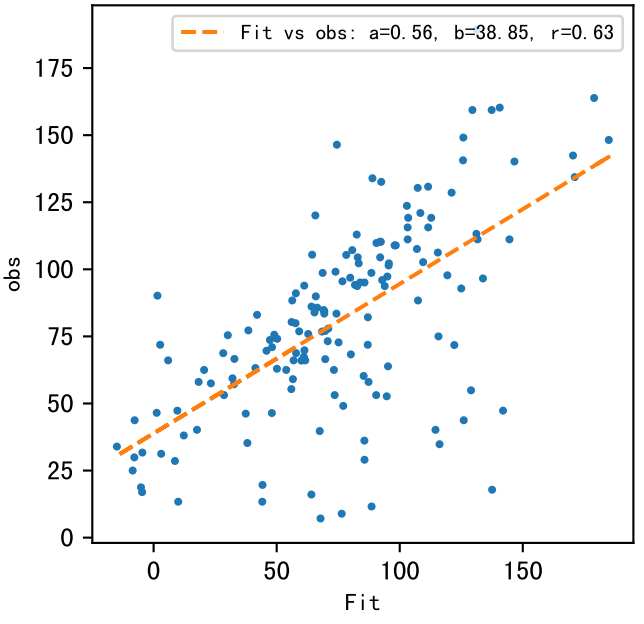


d

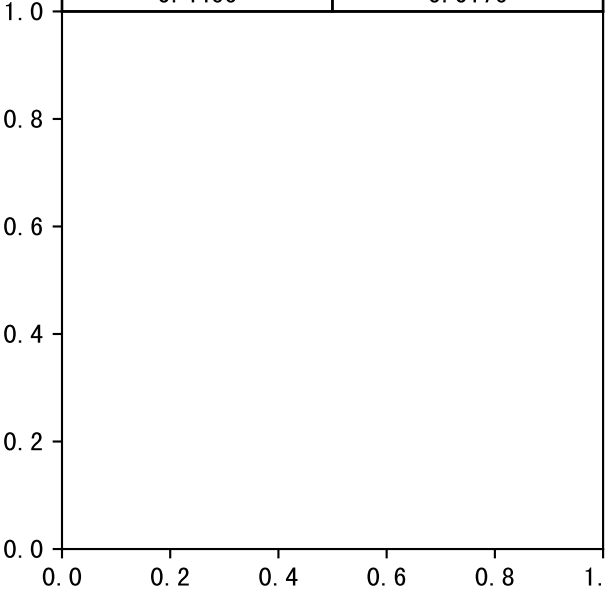

ETcl
ETcldef
ETcP
ETcPT
ETclis
ESo
ETol
ETbai
pR
pVPD
VN
I
PPFD
T
RH
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75

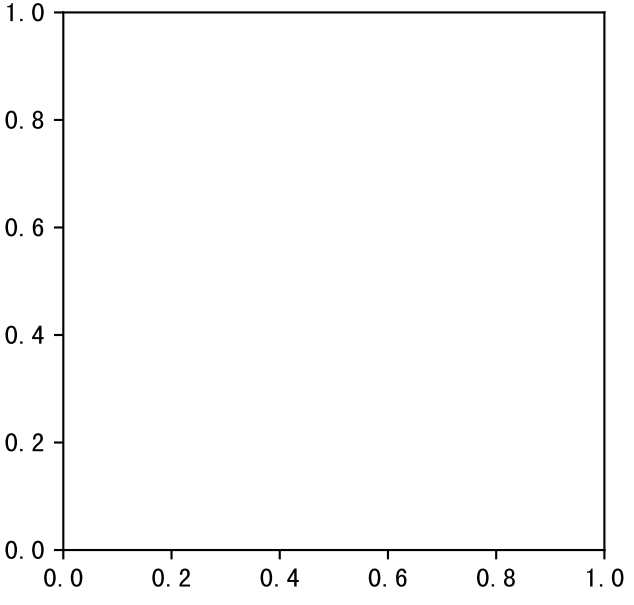

ETcl
ETol
T
RH
VN
I
ETcl
ETol
T
RH
VN
I

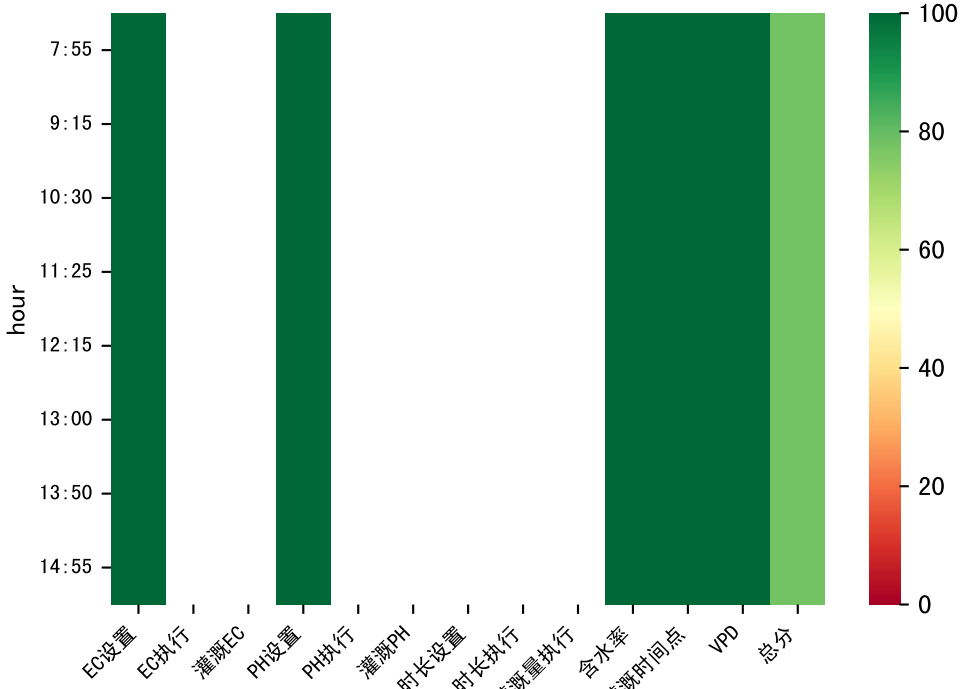




baiA	baiB
0.4466	0.0176

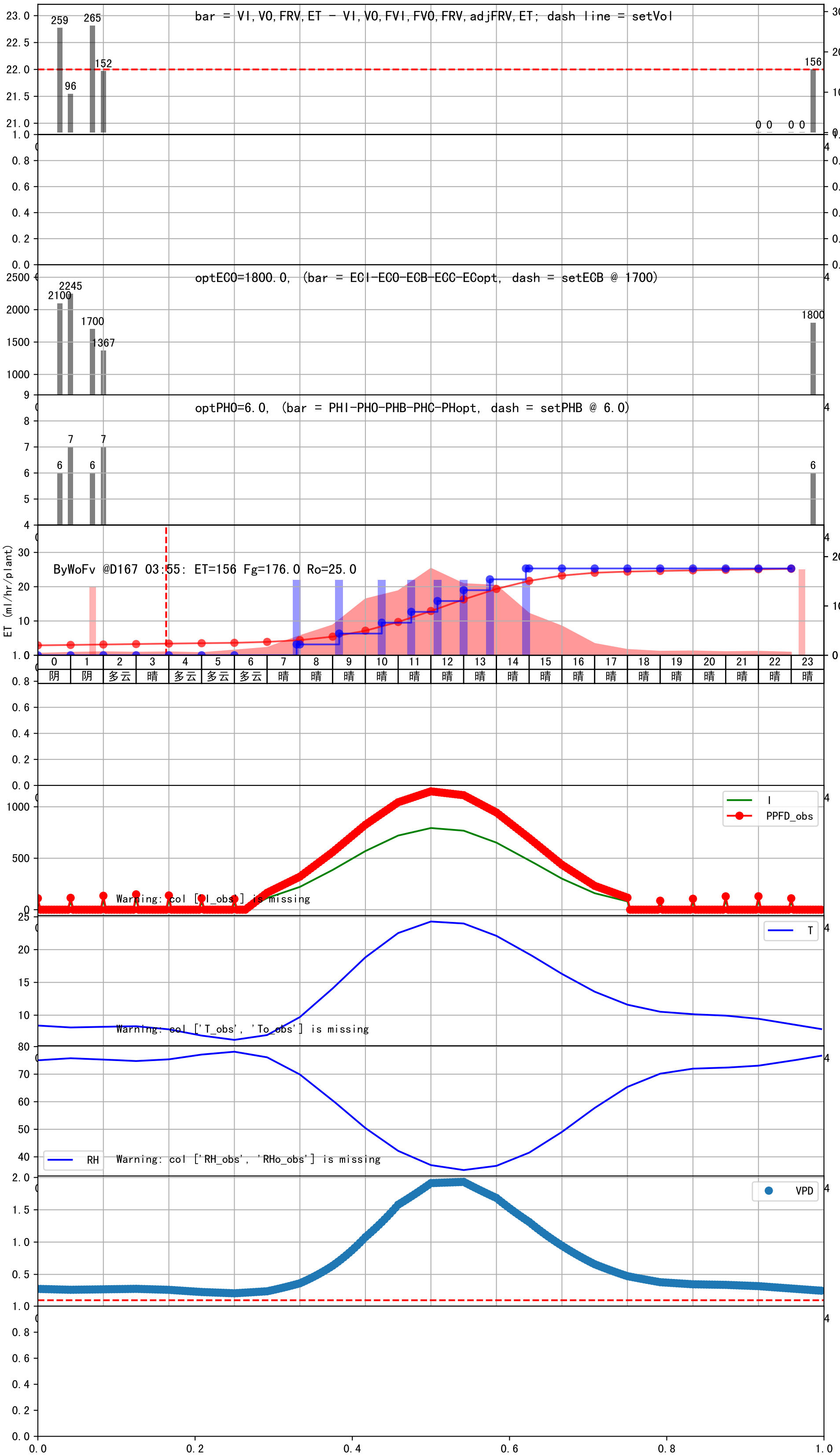


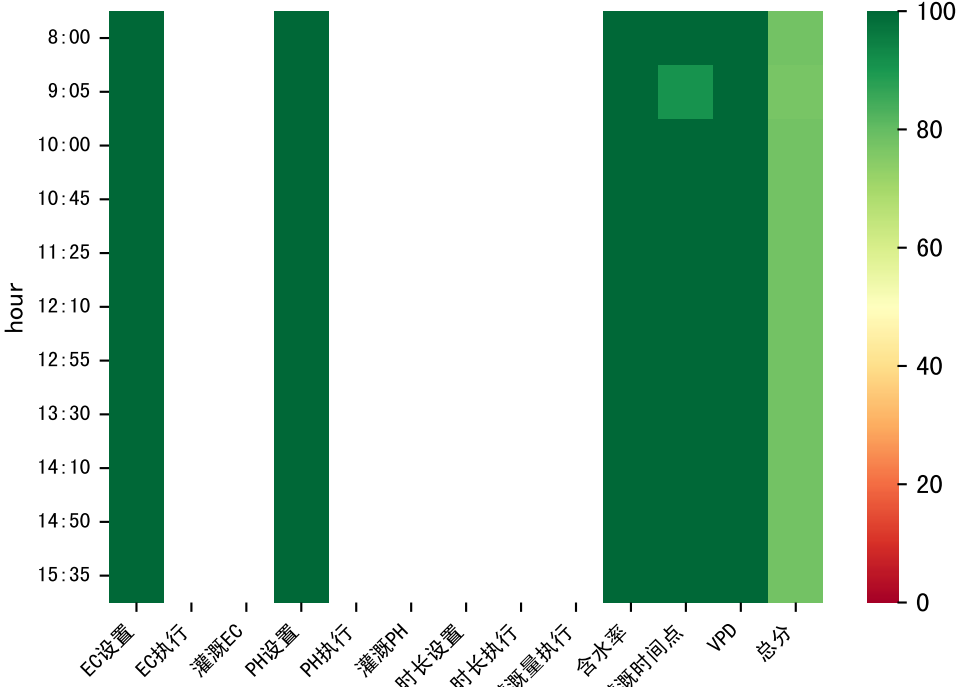



hour
7:55
9:15
10:30
11:25
12:15
13:00
13:50
14:55
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
含水率
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
07:55	129	22.0	0.485	晴	预期@07:55 自主（未用传感器）
09:15	129	22.0	0.485	晴	预期@09:15 自主（未用传感器）
10:30	129	22.0	0.485	晴	预期@10:30 自主（未用传感器）
11:25	129	22.0	0.485	晴	预期@11:25 自主（未用传感器）
12:15	129	22.0	0.485	晴	预期@12:15 自主（未用传感器）
13:00	129	22.0	0.485	晴	预期@13:00 自主（未用传感器）
13:50	129	22.0	0.485	晴	预期@13:50 自主（未用传感器）
14:55	129	22.0	0.485	晴	预期@14:55 自主（未用传感器）
总计	1032.0 (8次)	176.0			建议进液EC：1700， PH：6.0

P1_0, Day=167 (2026-03-10)

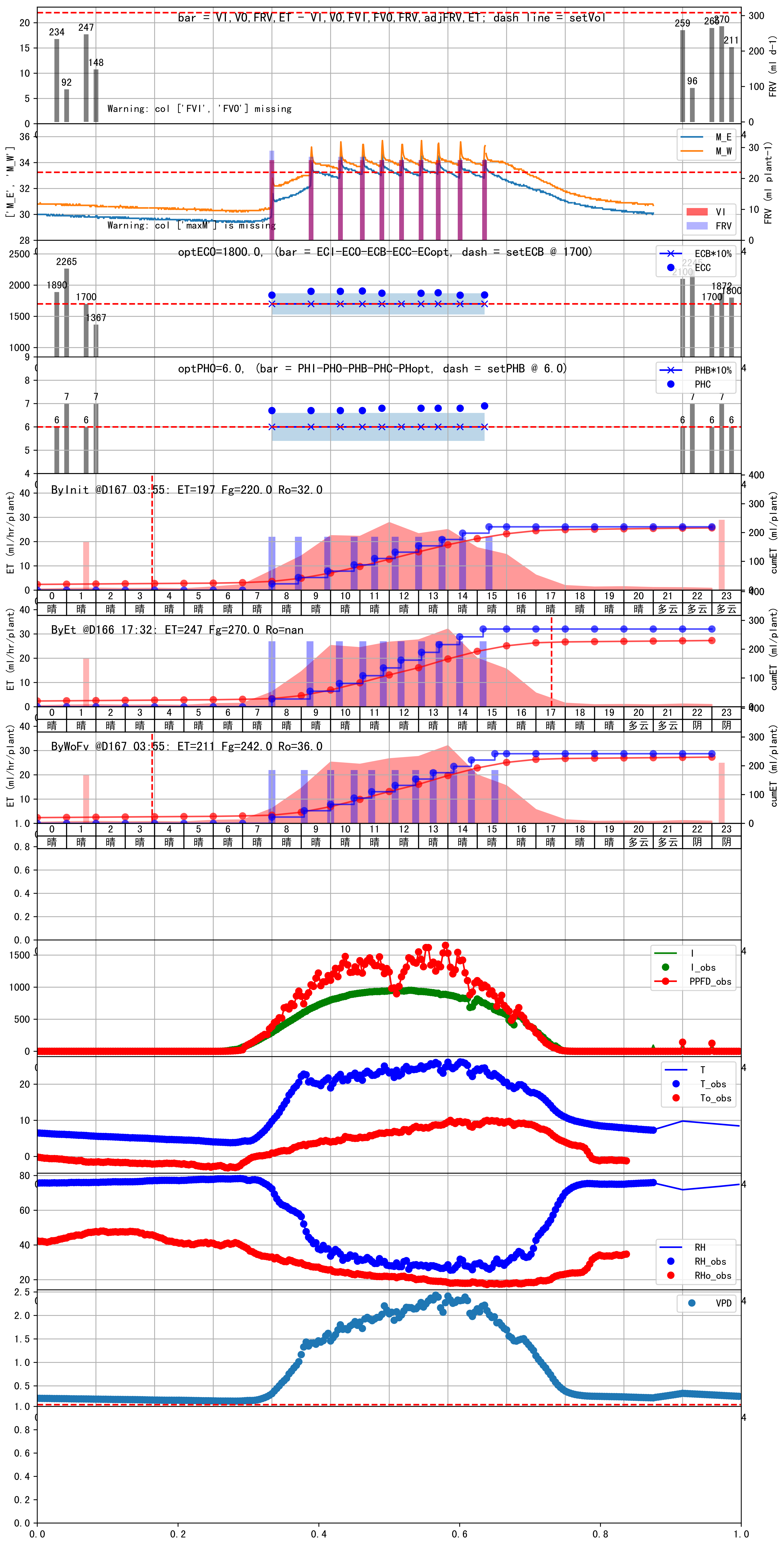


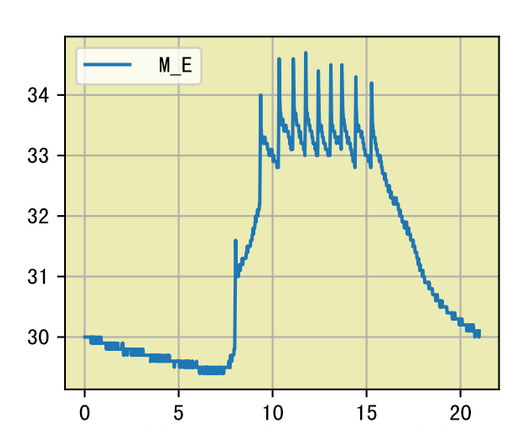

hour
8:00
9:05
10:00
10:45
11:25
12:10
12:55
13:30
14:10
14:50
15:35
100
80
60
40
20
0
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分

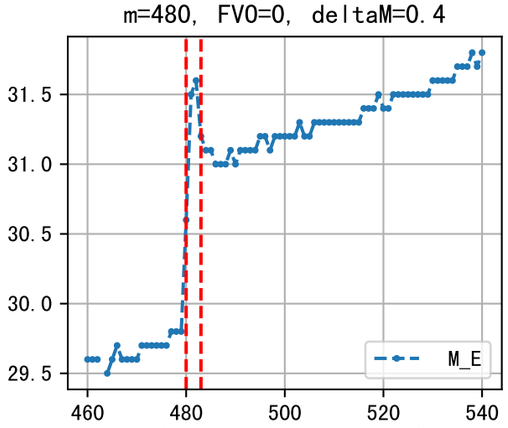
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:00	151	22.0	0.485	晴	假设@08:00 自动（未用传感器）
09:05	151	22.0	0.485	晴	假设@09:05 自动（未用传感器）
10:00	151	22.0	0.485	晴	假设@10:00 自动（未用传感器）
10:45	151	22.0	0.485	晴	假设@10:45 自动（未用传感器）
11:25	151	22.0	0.485	晴	假设@11:25 自动（未用传感器）
12:10	151	22.0	0.485	晴	假设@12:10 自动（未用传感器）
12:55	151	22.0	0.485	晴	假设@12:55 自动（未用传感器）
13:30	151	22.0	0.485	晴	假设@13:30 自动（未用传感器）
14:10	151	22.0	0.485	晴	假设@14:10 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）
15:35	151	22.0	0.485	晴	假设@15:35 自动（未用传感器）
总计	1661.0 (11次)	242.0			建议进液EC：1700， PH：6.0

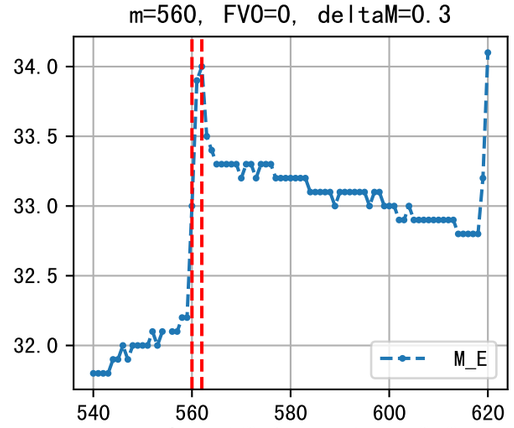
滴头平均流速偏小（0.18 vs def 0.5），请检查
上次灌溉时长(151)与预期(122.0)不符，可能由于多阀同灌按参考区灌溉
默认实际灌溉27.0 ml.

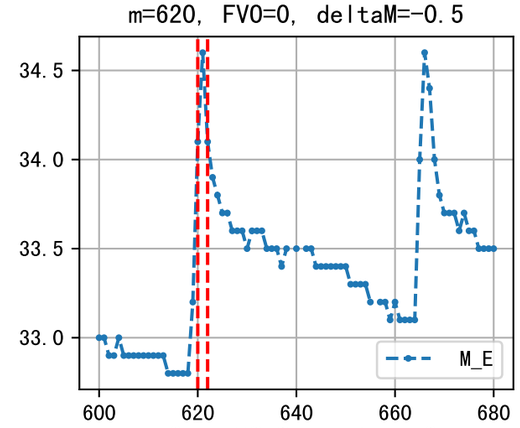
P1_0, Day=166.0 (2026-03-09)

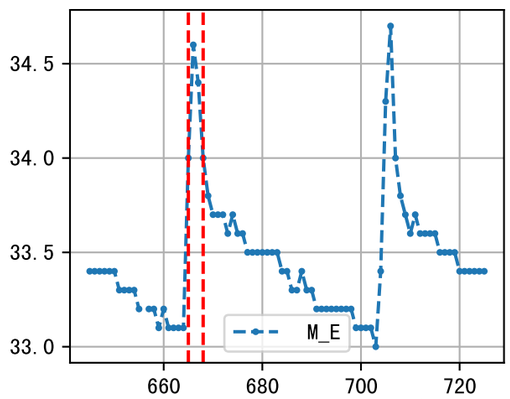


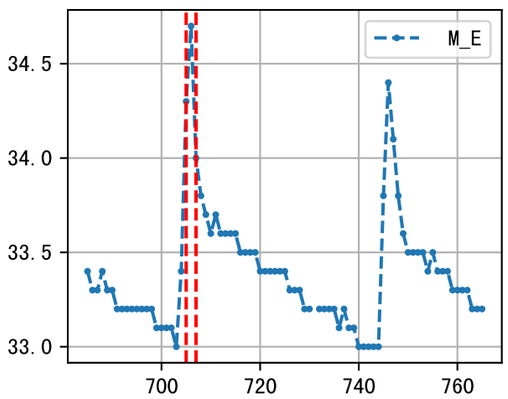

M_E
34
33
32
31
30
0
5
10
15
20

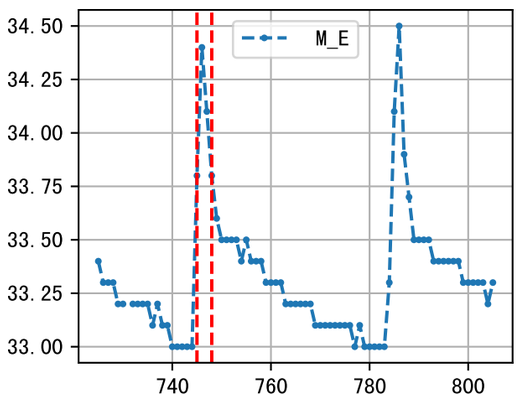

m=480, FVO=0, deltaM=0.4
M_E
31.5
31.0
30.5
30.0
29.5
460
480
500
520
540

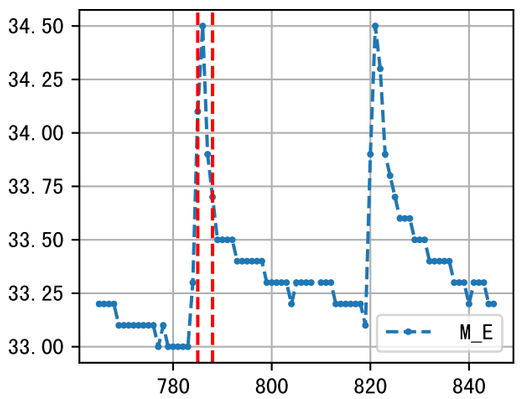

m=560, FVO=0, deltaM=0.3
M_E
34.0
33.5
33.0
32.5
32.0
540
560
580
600
620

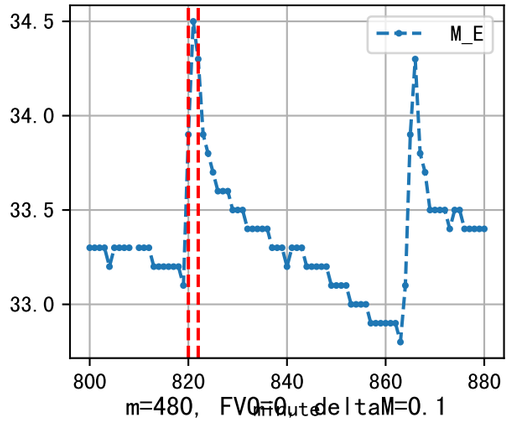

m=620, FVO=0, deltaM=-0.5
M_E
34.5
34.0
33.5
33.0
600
620
640
660
680

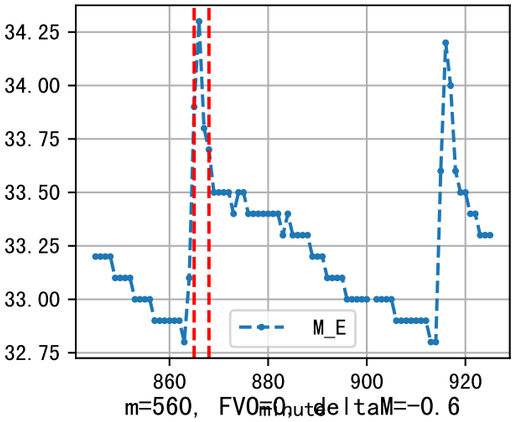

m=665, FVO=0, deltaM=-0.4
M_E
34.5
34.0
33.5
33.0
660
680
700
720

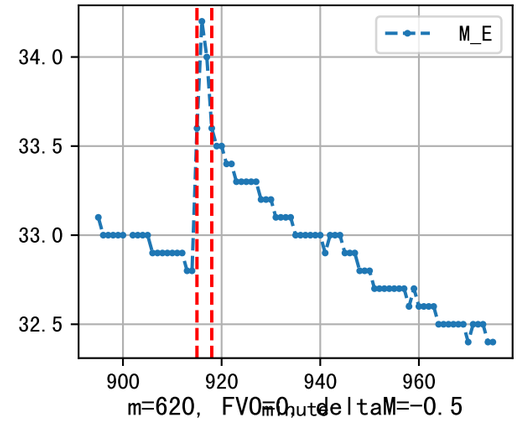

m=705, FVO=0, deltaM=-0.7
M_E
34.5
34.0
33.5
33.0
700
720
740
760

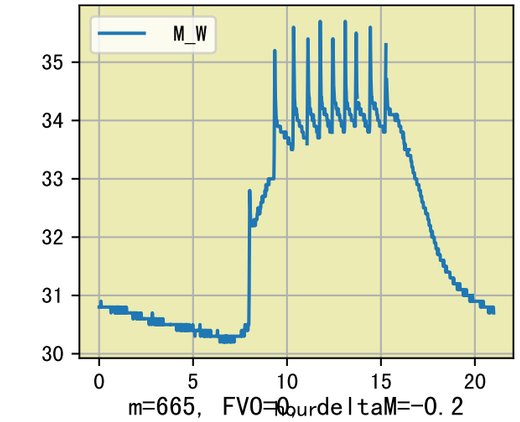

m=745, FVO=0, deltaM=-0.3
M_E
34.50
34.25
34.00
33.75
33.50
33.25
33.00
740
760
780
800

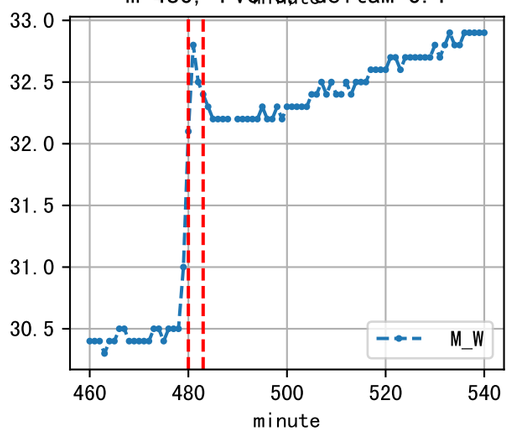

m=785, FVO=0, deltaM=-0.7
M_E
34.50
34.25
34.00
33.75
33.50
33.25
33.00
780
800
820
840
minute

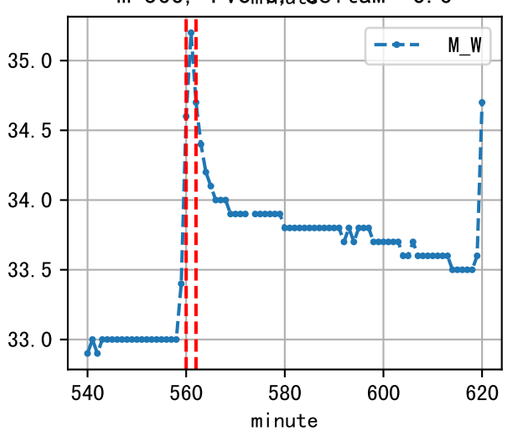

m=820, FVO=0, deltaM=-0.3
M_E
34.5
34.0
33.5
33.0
800
820
840
860
880

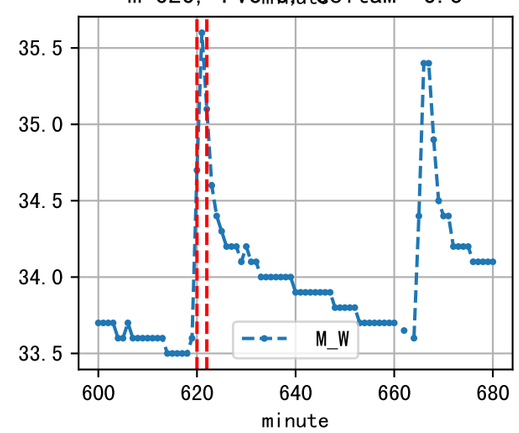

m=865, FVO=0, deltaM=-0.5
M_E
34.25
34.00
33.75
33.50
33.25
33.00
32.75
860
880
900
920

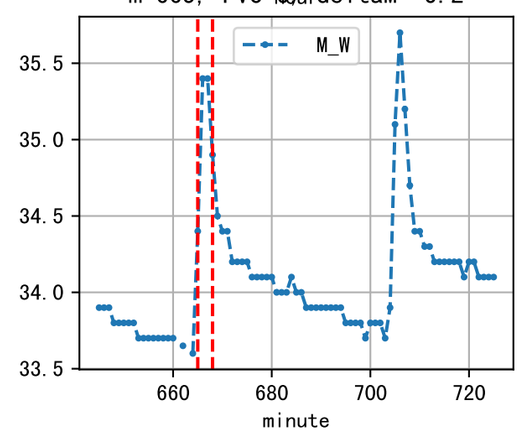

m=915, FVO=0, deltaM=-0.3
M_E
34.0
33.5
33.0
32.5
900
920
940
960

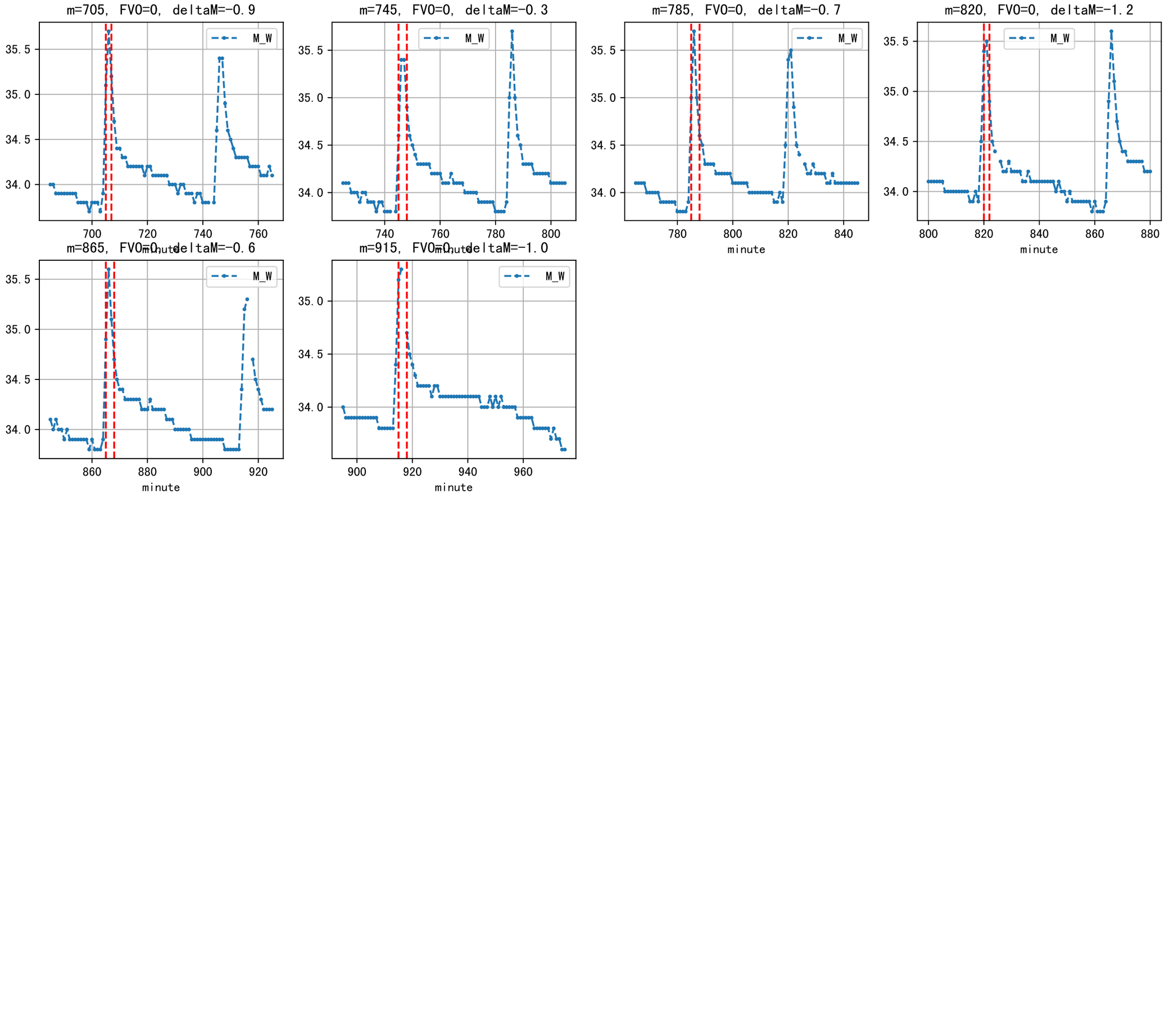

M_W
35
34
33
32
31
30
0
5
10
15
20

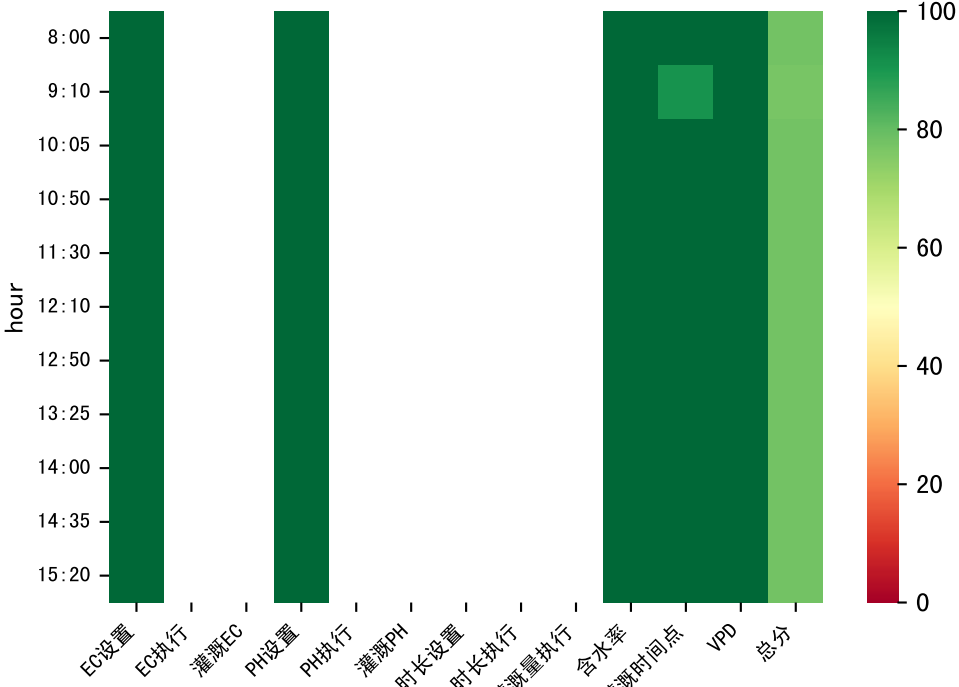

m=480, FVO=0, deltaM=0.1
M_W
33.0
32.5
32.0
31.5
31.0
30.5
460
480
500
520
540
minute


m=560, FVO=0, deltaM=-0.6
M_W
35.0
34.5
34.0
33.5
33.0
540
560
580
600
620
minute


m=620, FVO=0, deltaM=-0.5
M_W
35.5
35.0
34.5
34.0
33.5
600
620
640
660
680
minute


m=665, FVO=0, deltaM=-0.2
M_W
35.5
35.0
34.5
34.0
33.5
660
680
700
720
minute

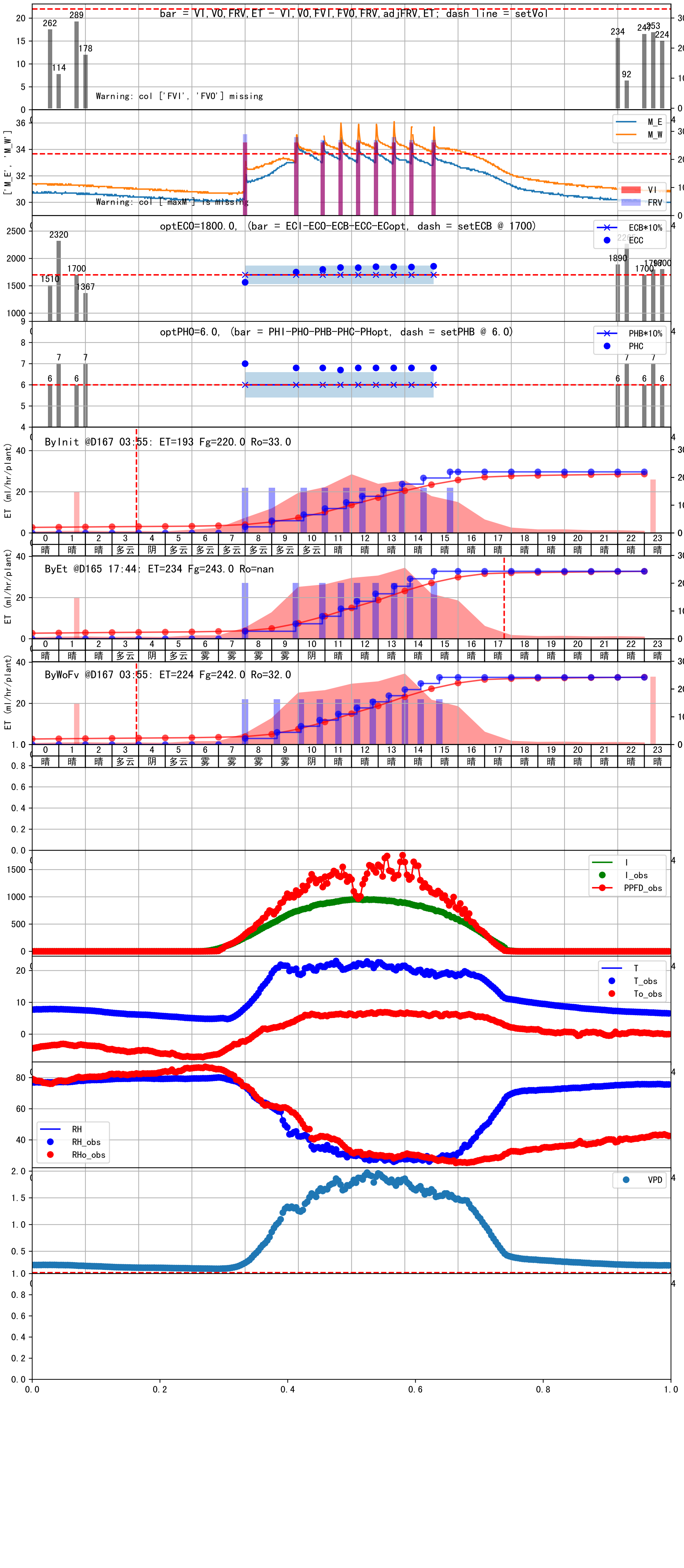

m=705, FV0=0, deltaM=-0.9
m=745, FV0=0, deltaM=-0.3
m=785, FV0=0, deltaM=-0.7
m=820, FV0=0, deltaM=-1.2
m=865, FV0=0, deltaM=-0.6
m=915, FV0=0, deltaM=-1.0
M_W
minute

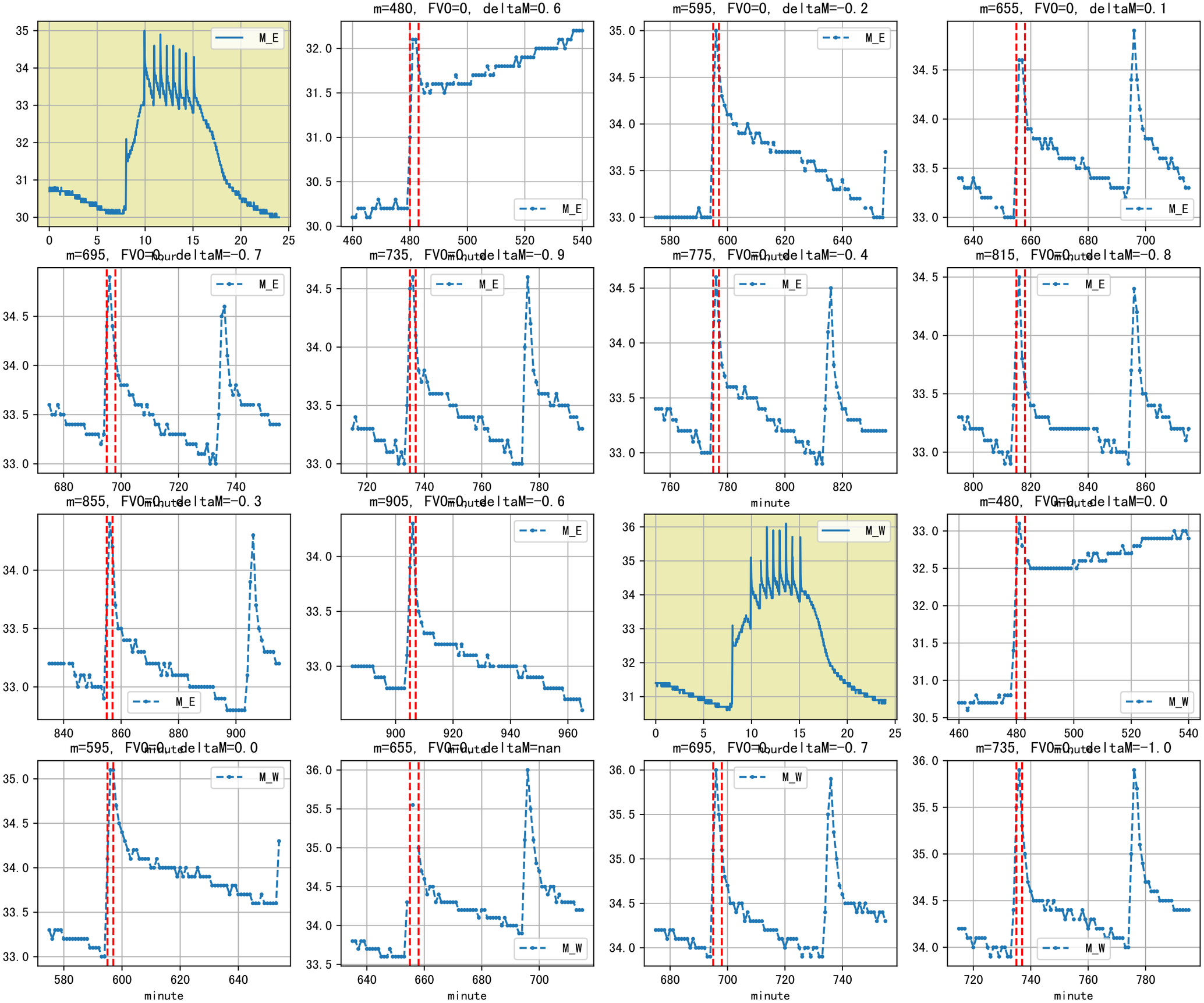

hour
8:00
9:10
10:05
10:50
11:30
12:10
12:50
13:25
14:00
14:35
15:20
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

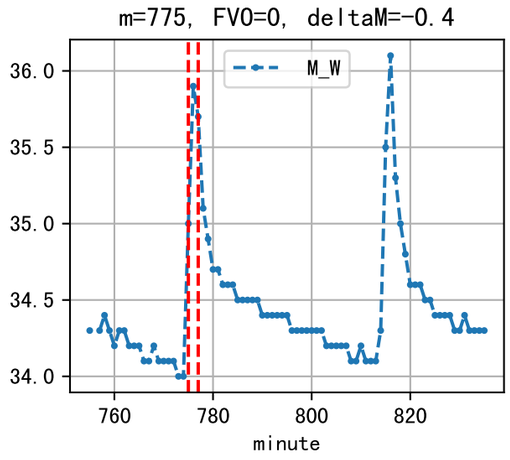
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:00	151	22.0	0.485	雾	假设@08:00 自动（未用传感器）
09:10	151	22.0	0.485	雾	假设@09:10 自动（未用传感器）
10:05	151	22.0	0.485	阴	假设@10:05 自动（未用传感器）
10:50	151	22.0	0.485	阴	假设@10:50 自动（未用传感器）
11:30	151	22.0	0.485	晴	假设@11:30 自动（未用传感器）
12:10	151	22.0	0.485	晴	假设@12:10 自动（未用传感器）
12:50	151	22.0	0.485	晴	假设@12:50 自动（未用传感器）
13:25	151	22.0	0.485	晴	假设@13:25 自动（未用传感器）
14:00	151	22.0	0.485	晴	假设@14:00 自动（未用传感器）
14:35	151	22.0	0.485	晴	假设@14:35 自动（未用传感器）
15:20	151	22.0	0.485	晴	假设@15:20 自动（未用传感器）
总计	1661.0 (11次)	242.0			建议进液EC：1700， PH：6.0

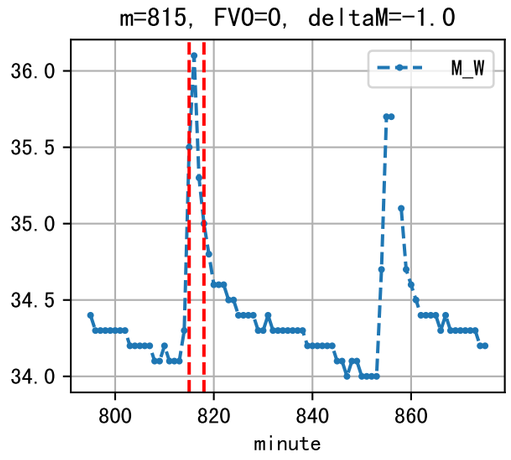
滴头平均流速偏小（0.18 vs def 0.5），请检查
上次灌溉时长(149)与预期(116.0)不符, 可能由于多阀同灌按参考区灌溉
默认实际灌溉28.0 ml.

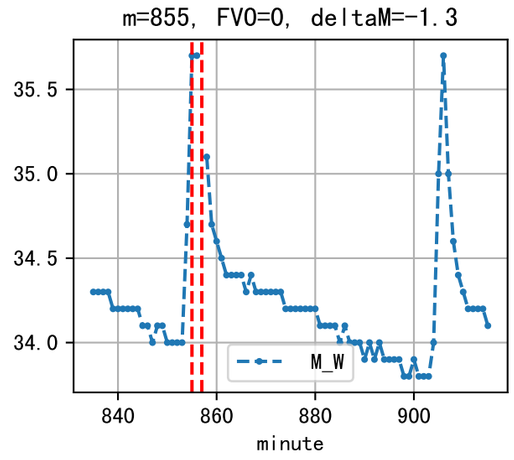
P1_0, Day=165.0 (2026-03-08)

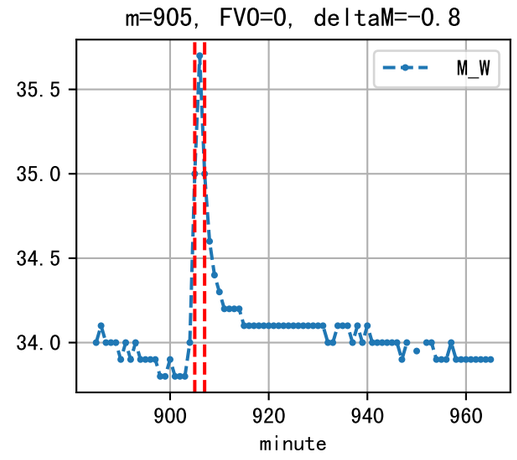


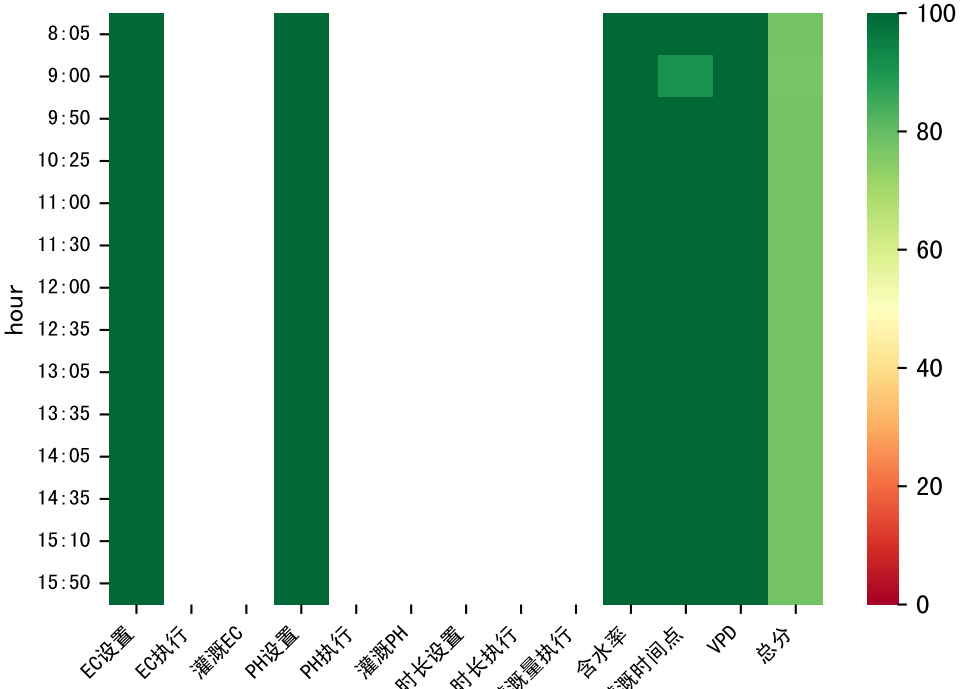

m=480, FVO=0, deltaM=0.6
m=595, FVO=0, deltaM=-0.2
m=655, FVO=0, deltaM=0.1
m=695, FVO=0, deltaM=-0.7
m=735, FVO=0, deltaM=-0.9
m=775, FVO=0, deltaM=-0.4
m=815, FVO=0, deltaM=-0.8
m=855, FVO=0, deltaM=-0.3
m=905, FVO=0, deltaM=-0.6
m=480, FVO=0, deltaM=0.0
m=595, FVO=0, deltaM=0.0
m=655, FVO=0, deltaM=nan
m=695, FVO=0, deltaM=-0.7
m=735, FVO=0, deltaM=-1.0
M_E
M_W
minute


m=775, FVO=0, deltaM=-0.4
M_W
36.0
35.5
35.0
34.5
34.0
760
780
800
820
minute


m=815, FVO=0, deltaM=-1.0
M_W
36.0
35.5
35.0
34.5
34.0
800
820
840
860
minute


m=855, FVO=0, deltaM=-1.3
M_W
35.5
35.0
34.5
34.0
840
860
880
900
minute

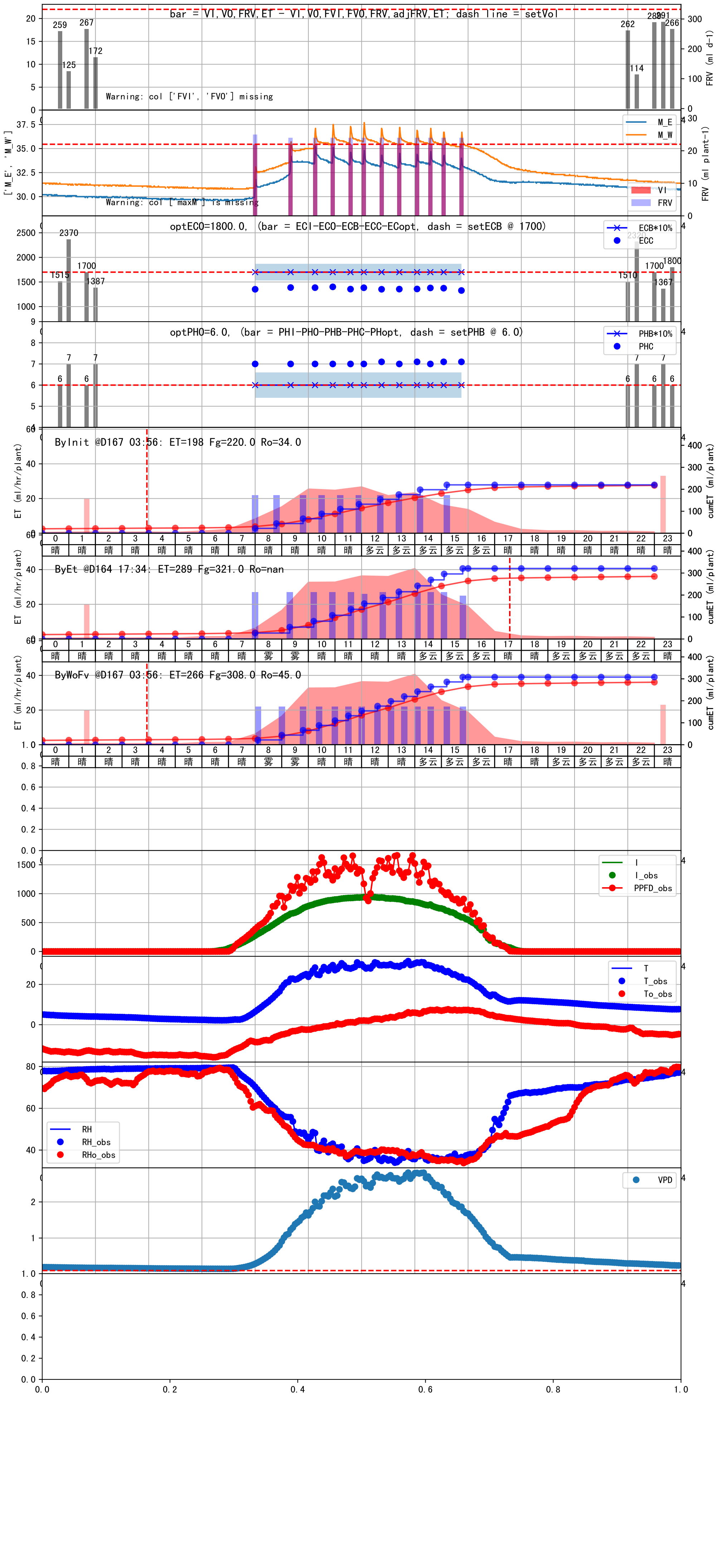

m=905, FVO=0, deltaM=-0.8
M_W
35.5
35.0
34.5
34.0
900
920
940
960
minute

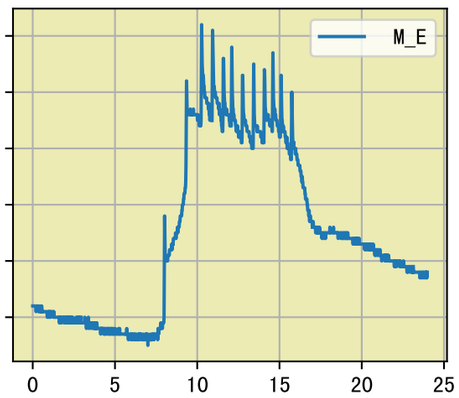

hour
8:05
9:00
9:50
10:25
11:00
11:30
12:00
12:35
13:05
13:35
14:05
14:35
15:10
15:50
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
含水率
VPD
总分
100
80
60
40
20
0

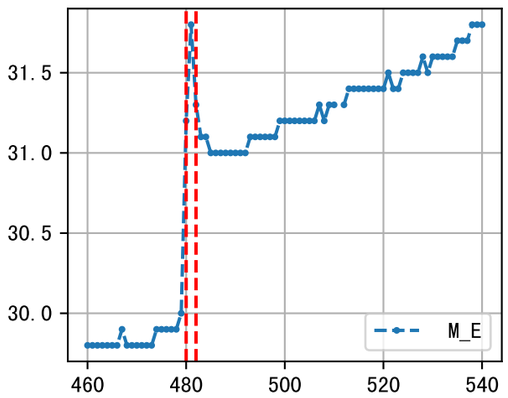
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:05	129	22.0	0.485	雾	假设@08:05 自动（未用传感器）
09:00	129	22.0	0.485	雾	假设@09:00 自动（未用传感器）
09:50	129	22.0	0.485	雾	假设@09:50 自动（未用传感器）
10:25	129	22.0	0.485	晴	假设@10:25 自动（未用传感器）
11:00	129	22.0	0.485	晴	假设@11:00 自动（未用传感器）
11:30	129	22.0	0.485	晴	假设@11:30 自动（未用传感器）
12:00	129	22.0	0.485	晴	假设@12:00 自动（未用传感器）
12:35	129	22.0	0.485	晴	假设@12:35 自动（未用传感器）
13:05	129	22.0	0.485	晴	假设@13:05 自动（未用传感器）
13:35	129	22.0	0.485	晴	假设@13:35 自动（未用传感器）
14:05	129	22.0	0.485	多云	假设@14:05 自动（未用传感器）
14:35	129	22.0	0.485	多云	假设@14:35 自动（未用传感器）
15:10	129	22.0	0.485	多云	假设@15:10 自动（未用传感器）
15:50	129	22.0	0.485	多云	假设@15:50 自动（未用传感器）
总计	1806.0 (14次)	308.0			建议进液EC：1700， PH：6.0

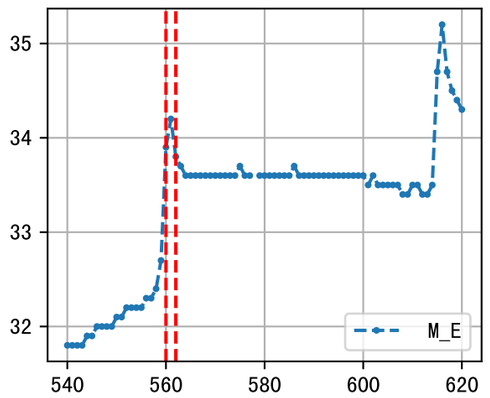
滴头平均流速偏小（0.18 vs def 0.5），请检查
默认实际灌溉23.0 ml.

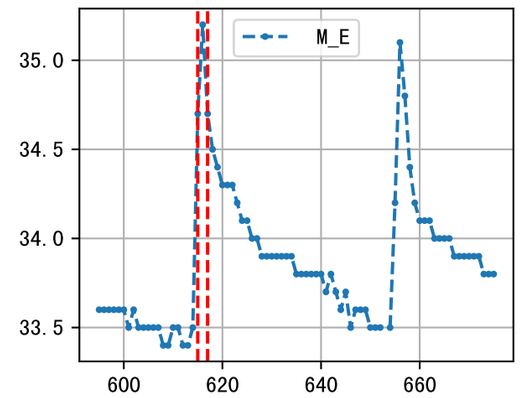
P1_0, Day=164.0 (2026-03-07)

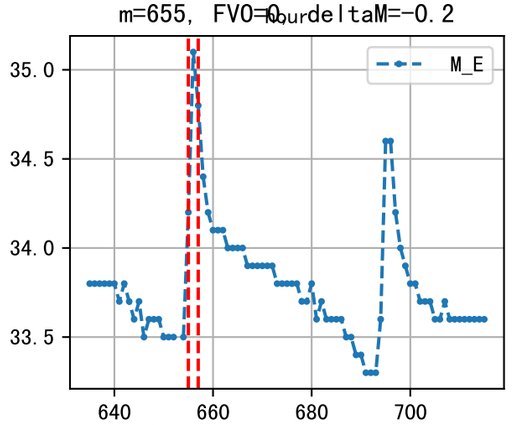


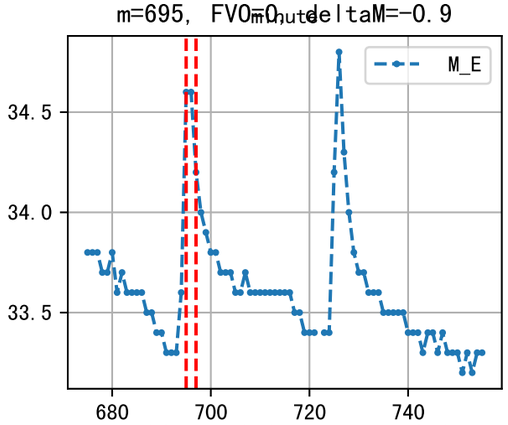

M_E
hour

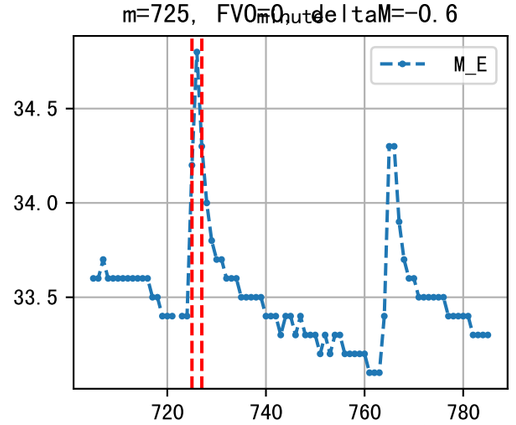

m=480, FVO=0, deltaM=-0.2
M_E
minute

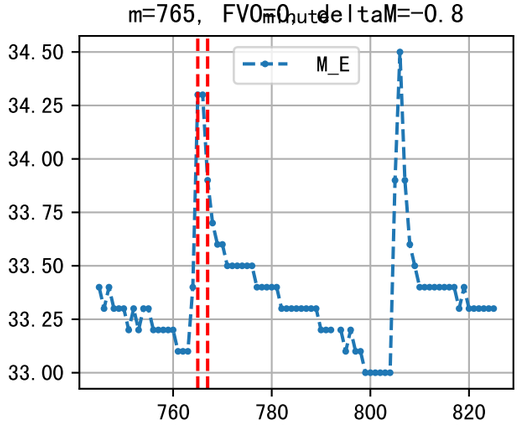

m=560, FVO=0, deltaM=-0.3
M_E
minute

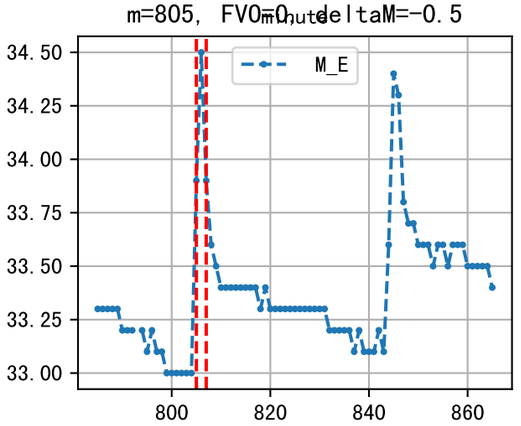

m=615, FVO=0, deltaM=-0.5
M_E
minute

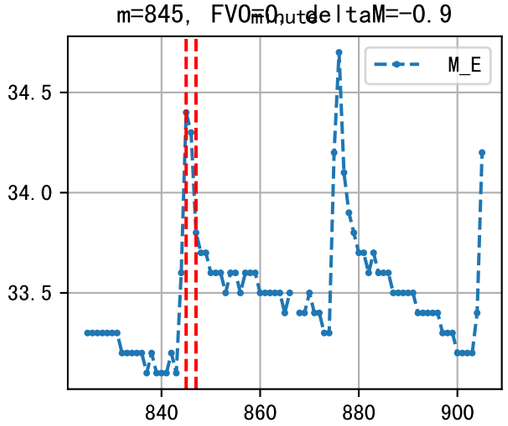

m=655, FVO=0, deltaM=-0.2
M_E
minute

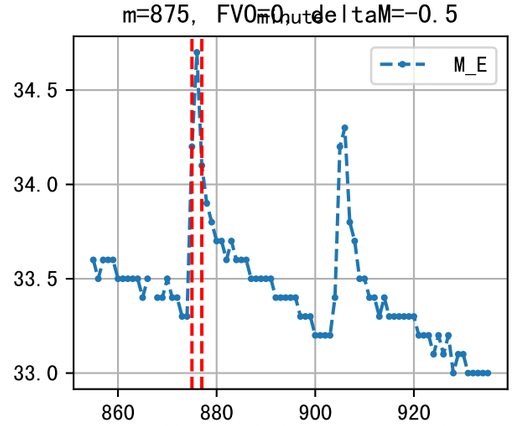

m=695, FVO=0, deltaM=-0.9
M_E
minute

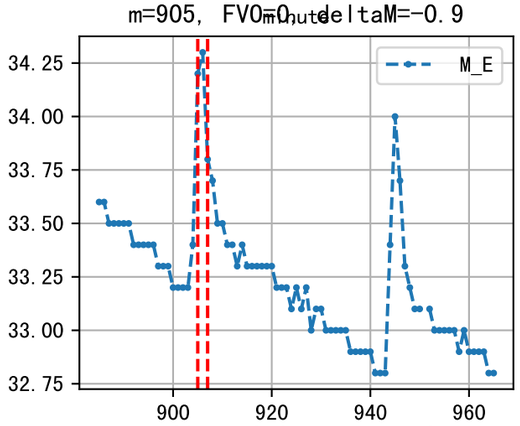

m=725, FVO=0, deltaM=-0.6
M_E
minute

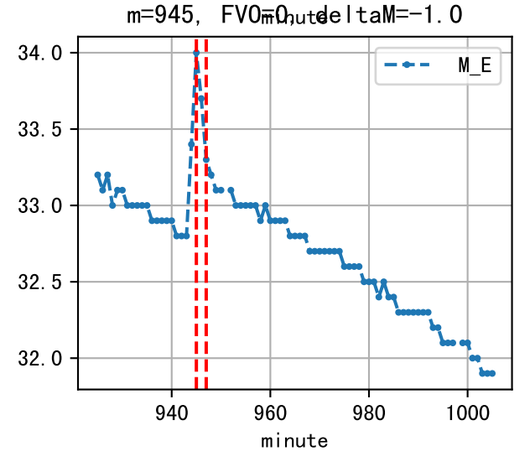

m=765, FVO=0, deltaM=-0.8
M_E
minute

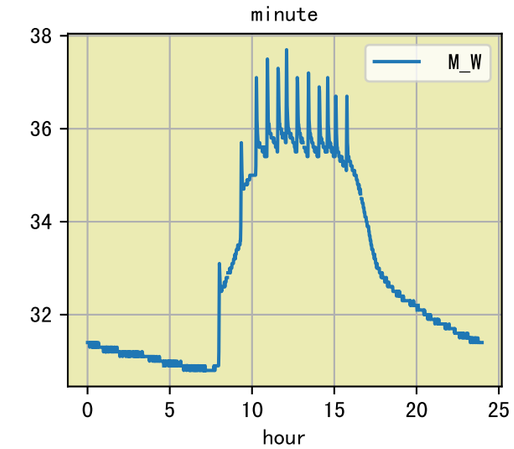

m=805, FVO=0, deltaM=-0.5
M_E
minute

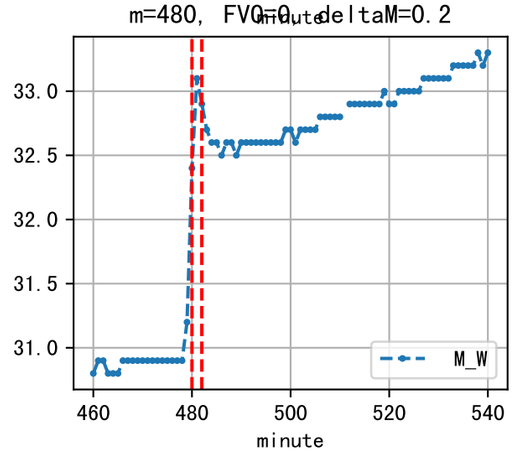

m=845, FVO=0, deltaM=-0.9
M_E
minute

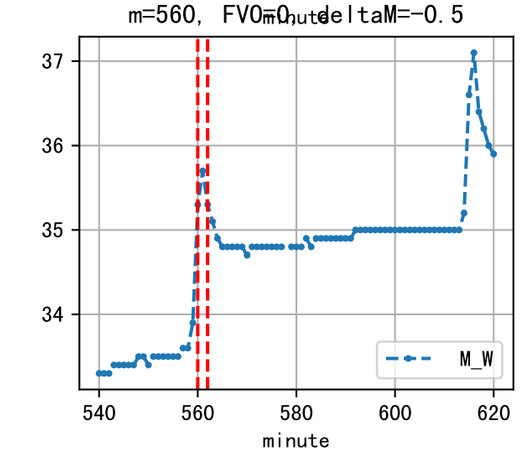

m=875, FVO=0, deltaM=-0.5
M_E
minute

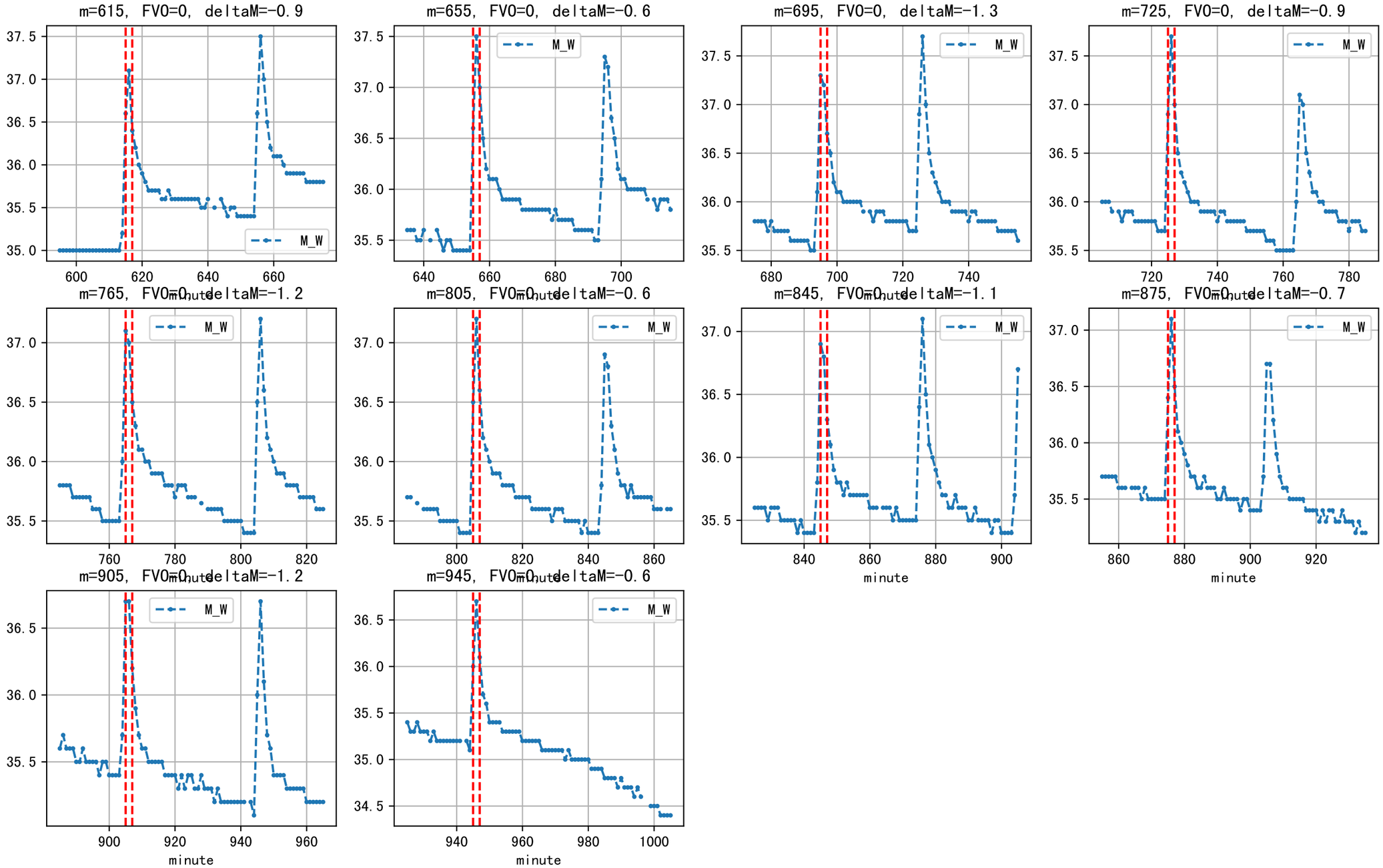

m=905, FVO=0, deltaM=-0.9
M_E
minute

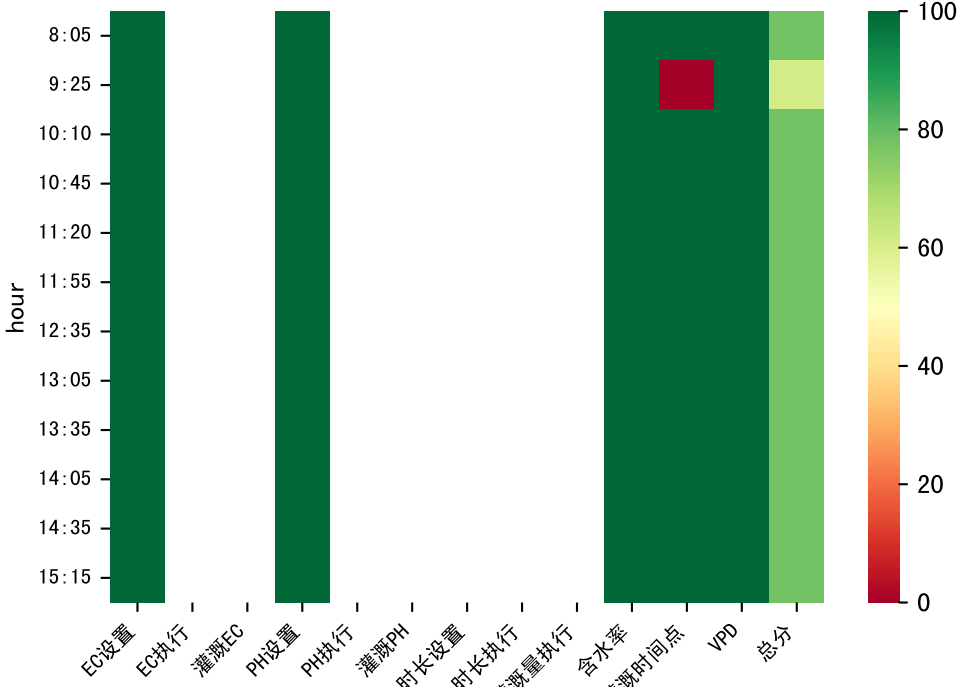

m=945, FVO=0, deltaM=-1.0
M_E
minute


M_W
hour


m=480, FVO=0, deltaM=0.2
M_W
minute


m=560, FVO=0, deltaM=-0.5
M_W
minute

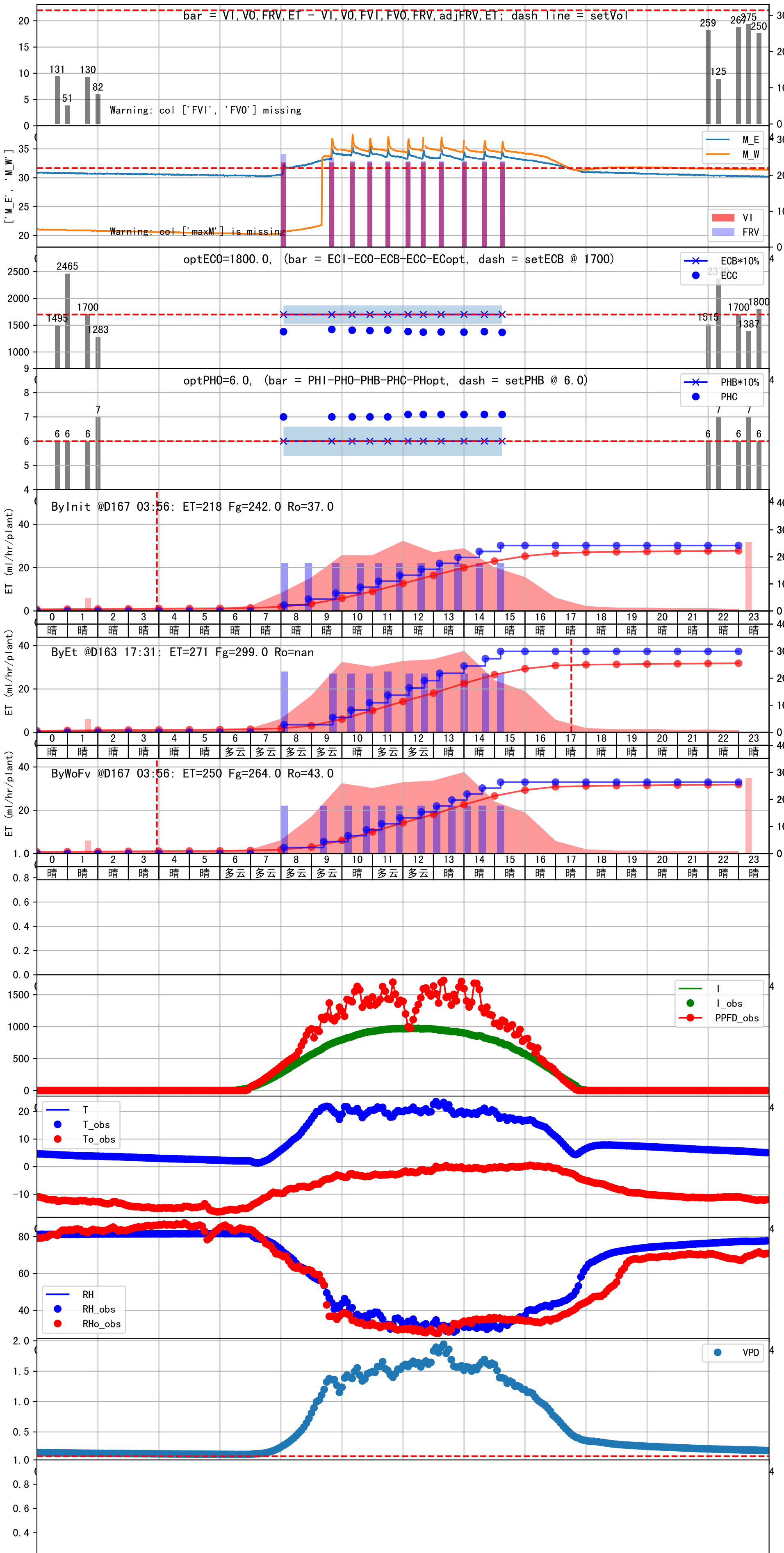

m=615, FVO=0, deltaM=-0.9
m=655, FVO=0, deltaM=-0.6
m=695, FVO=0, deltaM=-1.3
m=725, FVO=0, deltaM=-0.9
m=765, FVO=0, deltaM=-1.2
m=805, FVO=0, deltaM=-0.6
m=845, FVO=0, deltaM=-1.1
m=875, FVO=0, deltaM=-0.7
m=905, FVO=0, deltaM=-1.2
m=945, FVO=0, deltaM=-0.6
M_W
minute

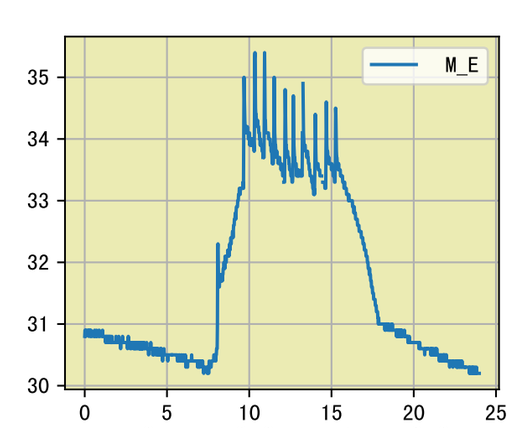

hour
8:05
9:25
10:10
10:45
11:20
11:55
12:35
13:05
13:35
14:05
14:35
15:15
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

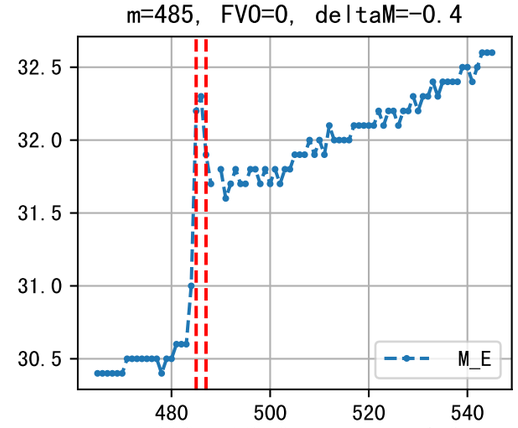
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:05	131	22.0	0.485	多云	假设@08:05 自动（未用传感器）
09:25	131	22.0	0.485	多云	假设@09:25 自动（未用传感器）
10:10	131	22.0	0.485	晴	假设@10:10 自动（未用传感器）
10:45	131	22.0	0.485	晴	假设@10:45 自动（未用传感器）
11:20	131	22.0	0.485	多云	假设@11:20 自动（未用传感器）
11:55	131	22.0	0.485	多云	假设@11:55 自动（未用传感器）
12:35	131	22.0	0.485	多云	假设@12:35 自动（未用传感器）
13:05	131	22.0	0.485	晴	假设@13:05 自动（未用传感器）
13:35	131	22.0	0.485	晴	假设@13:35 自动（未用传感器）
14:05	131	22.0	0.485	晴	假设@14:05 自动（未用传感器）
14:35	131	22.0	0.485	晴	假设@14:35 自动（未用传感器）
15:15	131	22.0	0.485	晴	假设@15:15 自动（未用传感器）
总计	1572.0 (12次)	264.0			建议进液EC：1700， PH：6.0

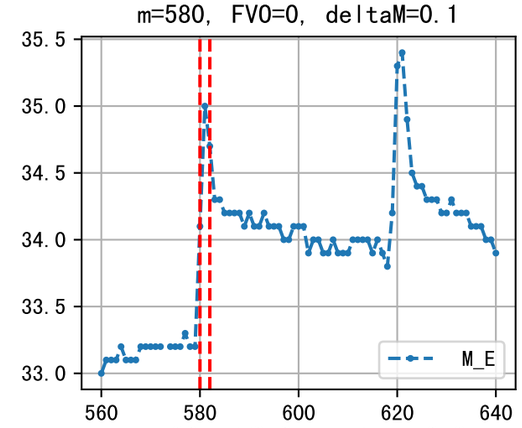
滴头平均流速偏小（0.18 vs def 0.5），请检查
上次灌溉时长(130)与预期(116.0)不符, 可能由于多阀同灌按参考区灌溉
默认实际灌溉25.0 ml.

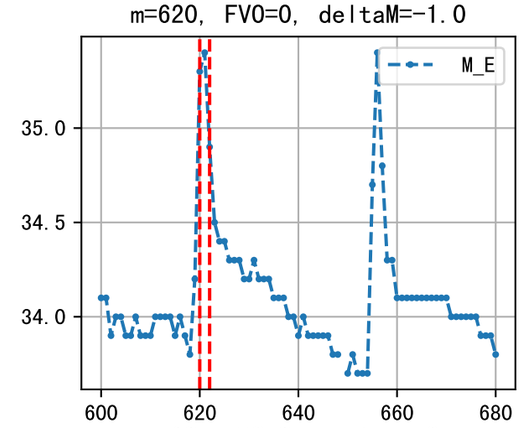
P1_0, Day=163.0 (2026-03-06)

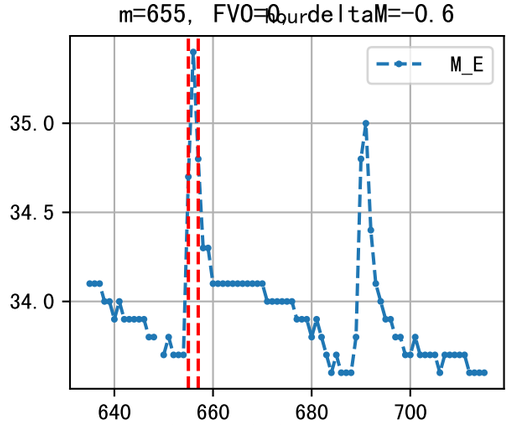


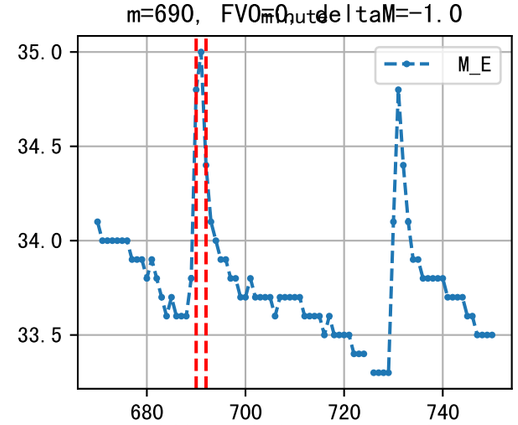

M_E
hour

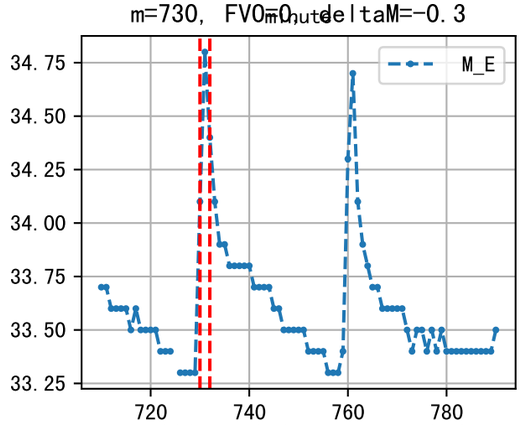

m=485, FV0=0, deltaM=-0.4
M_E
minute

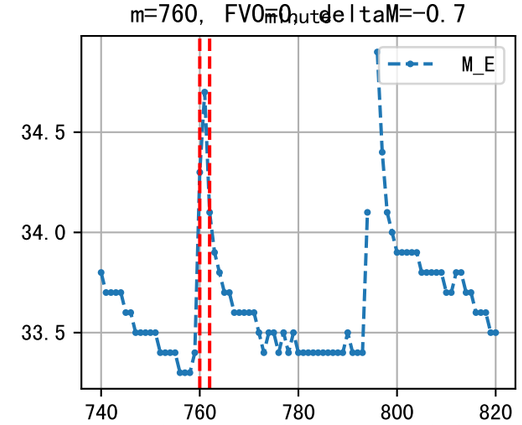

m=580, FV0=0, deltaM=0.1
M_E
minute

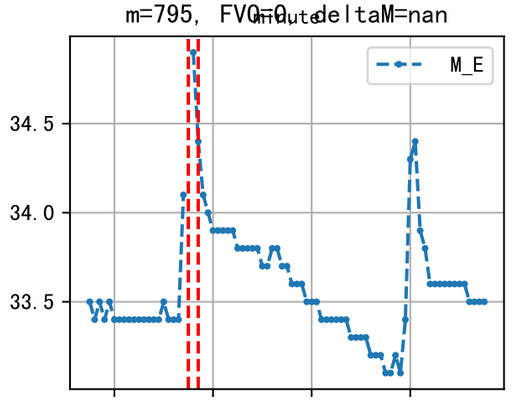

m=620, FV0=0, deltaM=-1.0
M_E
minute

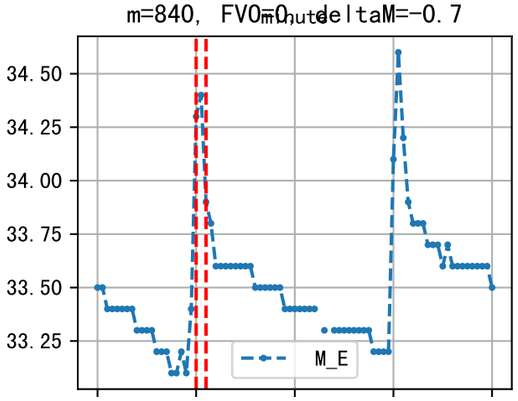

m=655, FV0=0, deltaM=-0.6
M_E
minute

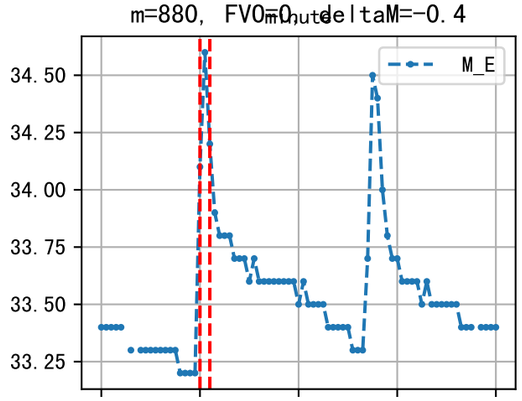

m=690, FV0=0, deltaM=-1.0
M_E
minute

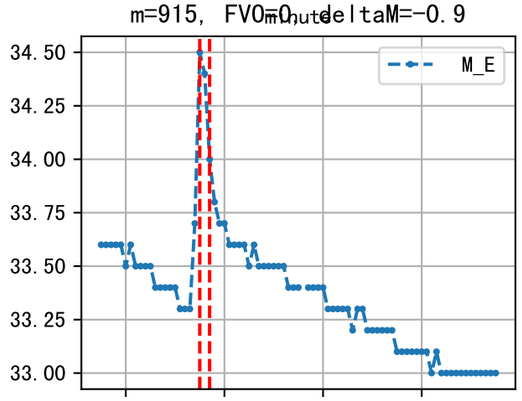

m=730, FV0=0, deltaM=-0.3
M_E
minute

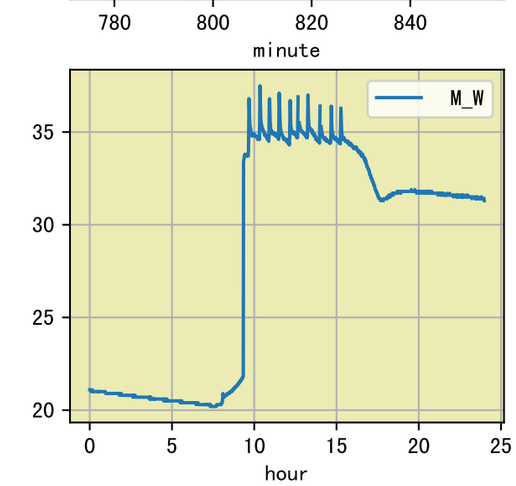

m=760, FV0=0, deltaM=-0.7
M_E
minute

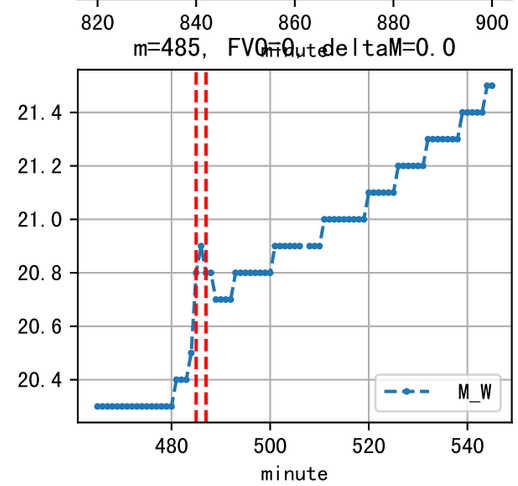

m=795, FV0=0, deltaM=nan
M_E
minute

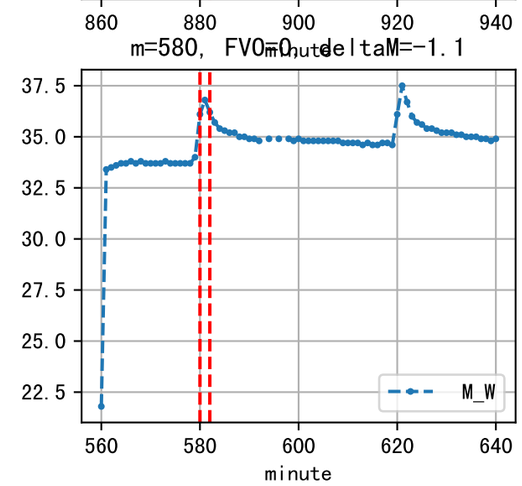

m=840, FV0=0, deltaM=-0.7
M_E
minute

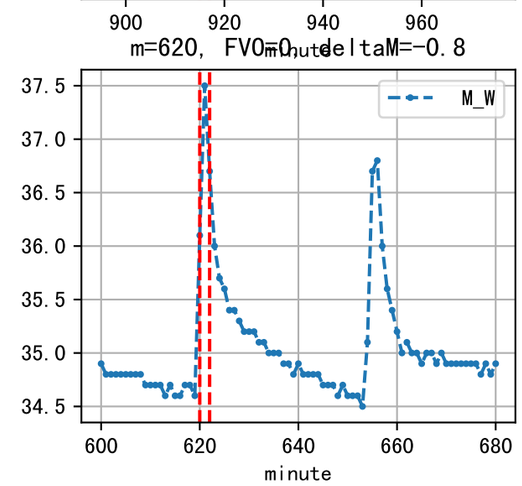

m=880, FV0=0, deltaM=-0.4
M_E
minute

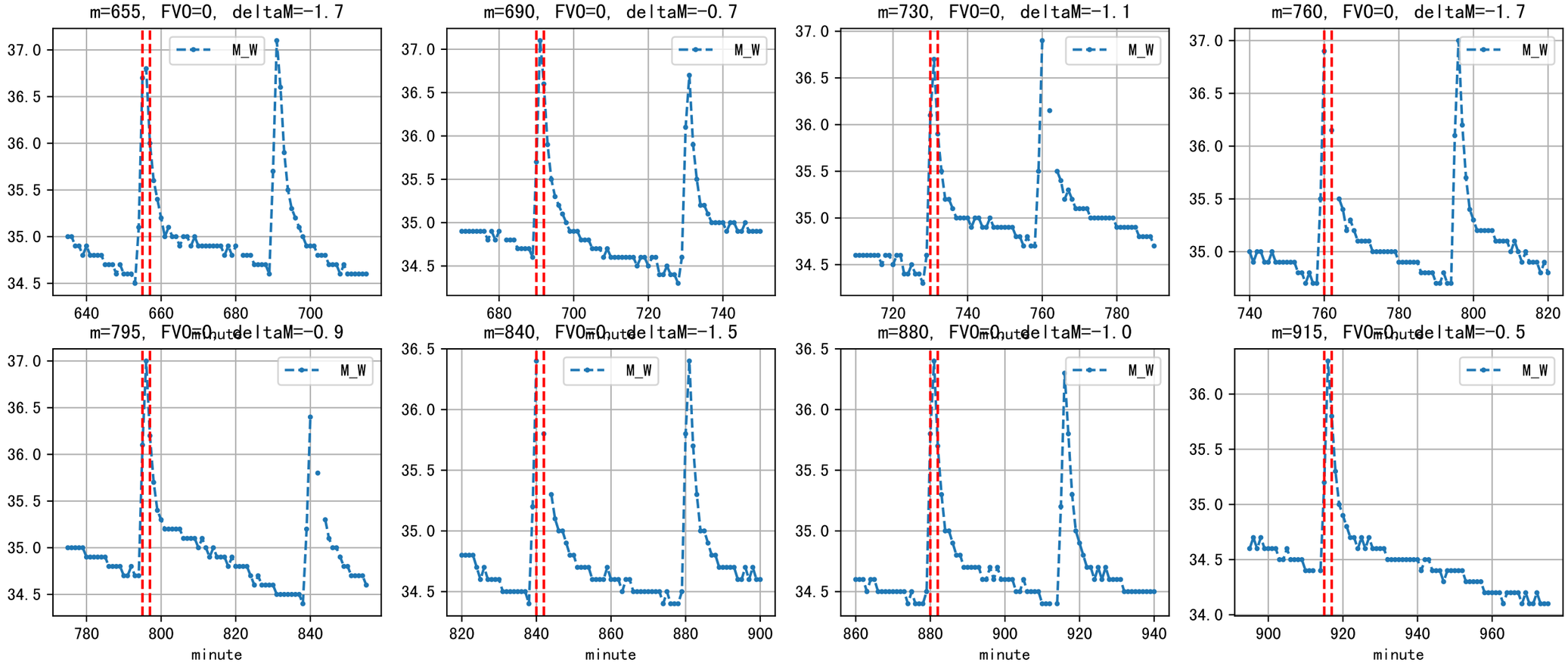

m=915, FV0=0, deltaM=-0.9
M_E
minute


M_W
hour


m=485, FV0=0, deltaM=0.0
M_W
minute


m=580, FV0=0, deltaM=-1.1
M_W
minute


m=620, FV0=0, deltaM=-0.8
M_W
minute


m=655, FVO=0, deltaM=-1.7
m=690, FVO=0, deltaM=-0.7
m=730, FVO=0, deltaM=-1.1
m=760, FVO=0, deltaM=-1.7
m=795, FVO=0, deltaM=-0.9
m=840, FVO=0, deltaM=-1.5
m=880, FVO=0, deltaM=-1.0
m=915, FVO=0, deltaM=-0.5
M_W
minute