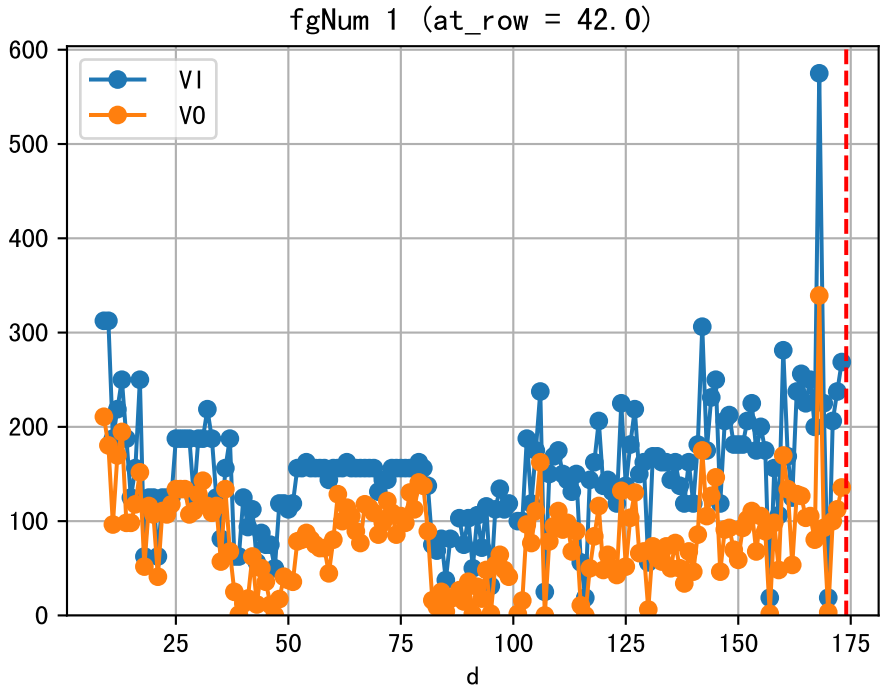
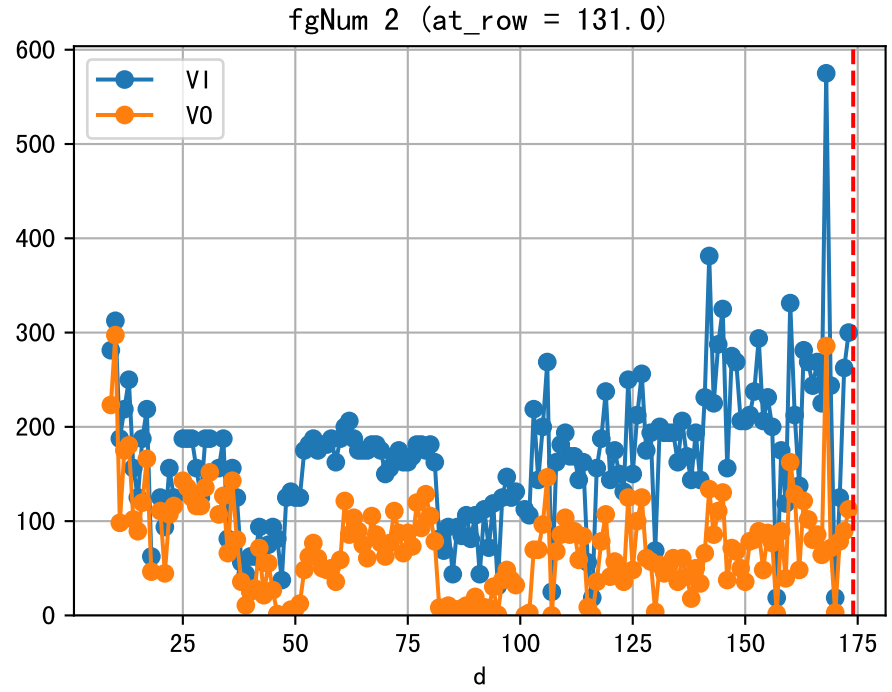
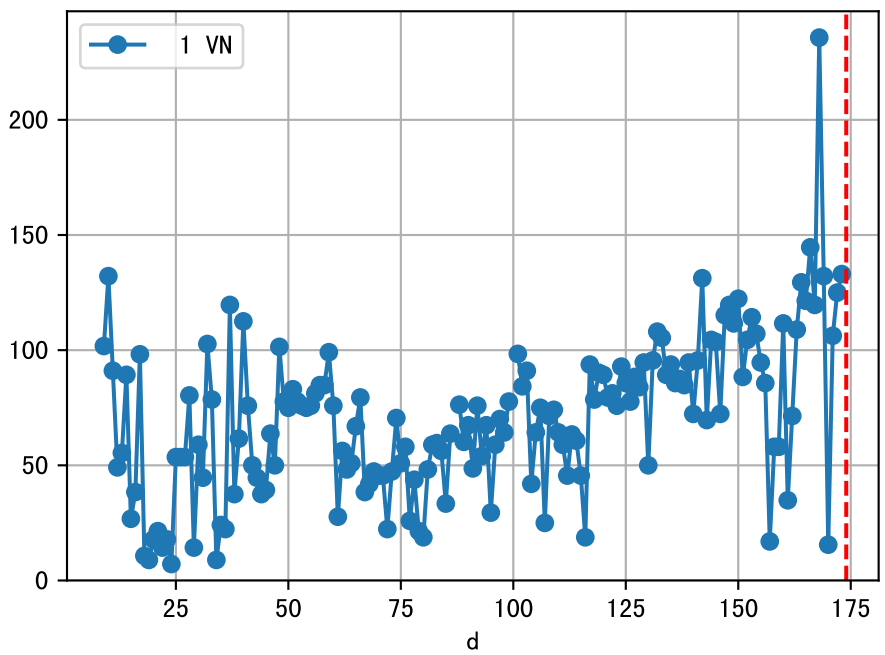
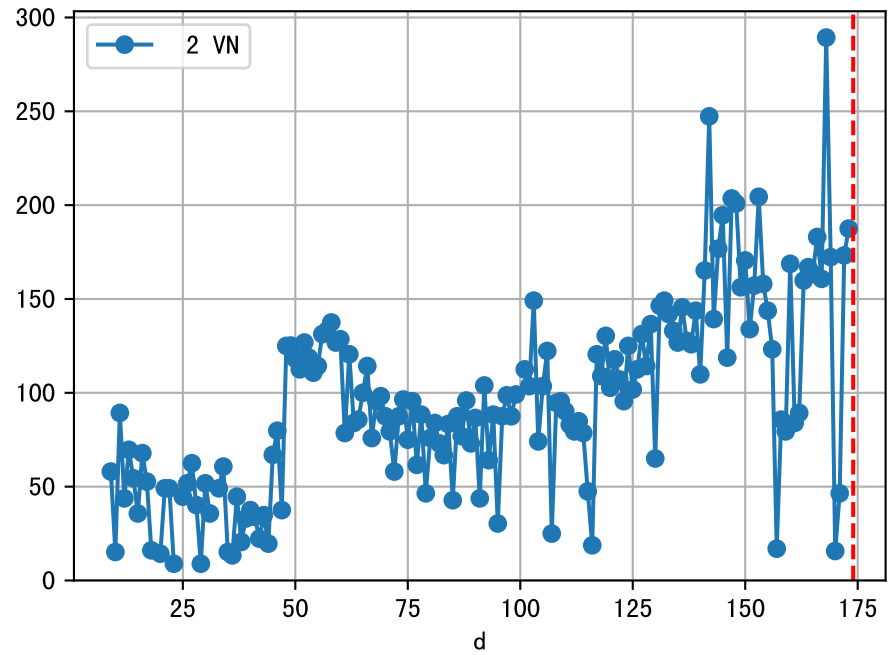
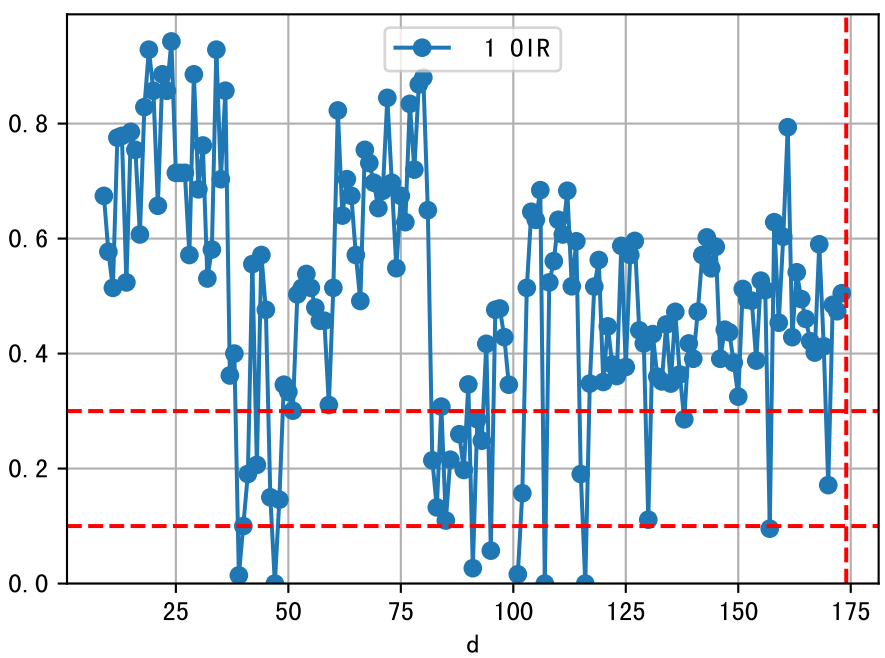
FgArea: ['0']
NC11 P1
2026-03-17 (Day 174)

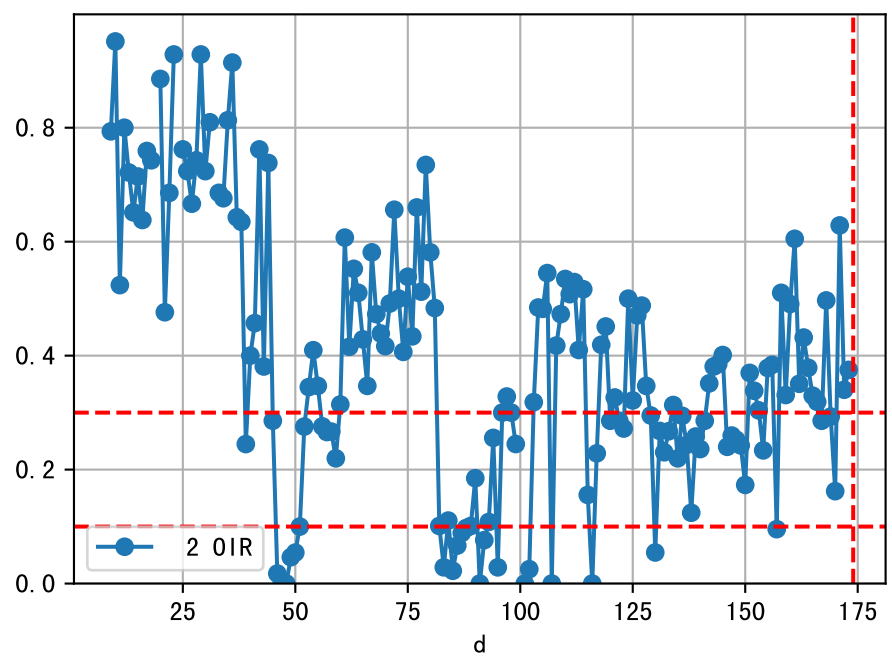

fgNum 1 (at_row = 42.0)
VI
VO
d

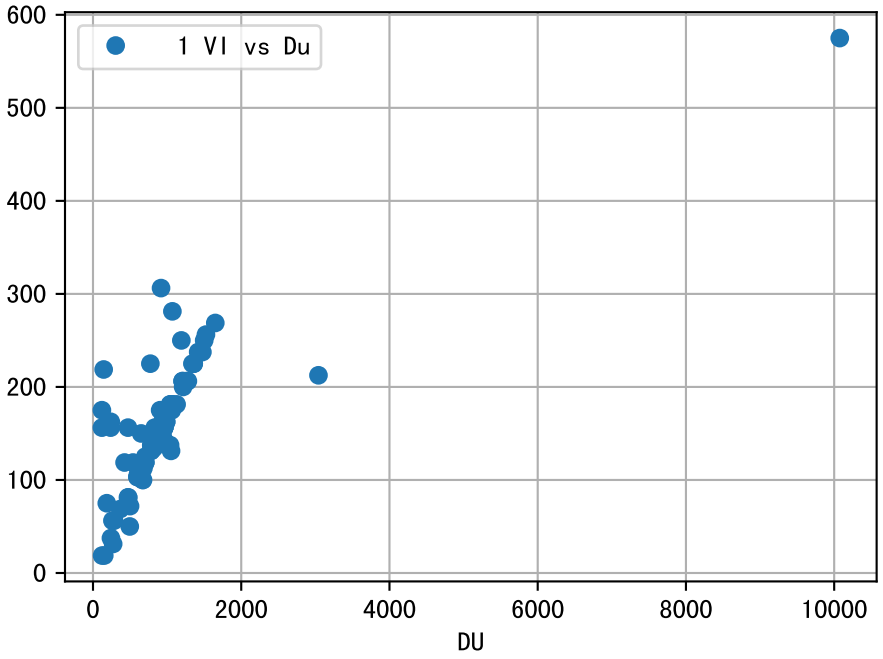

fgNum 2 (at_row = 131.0)
VI
VO
d

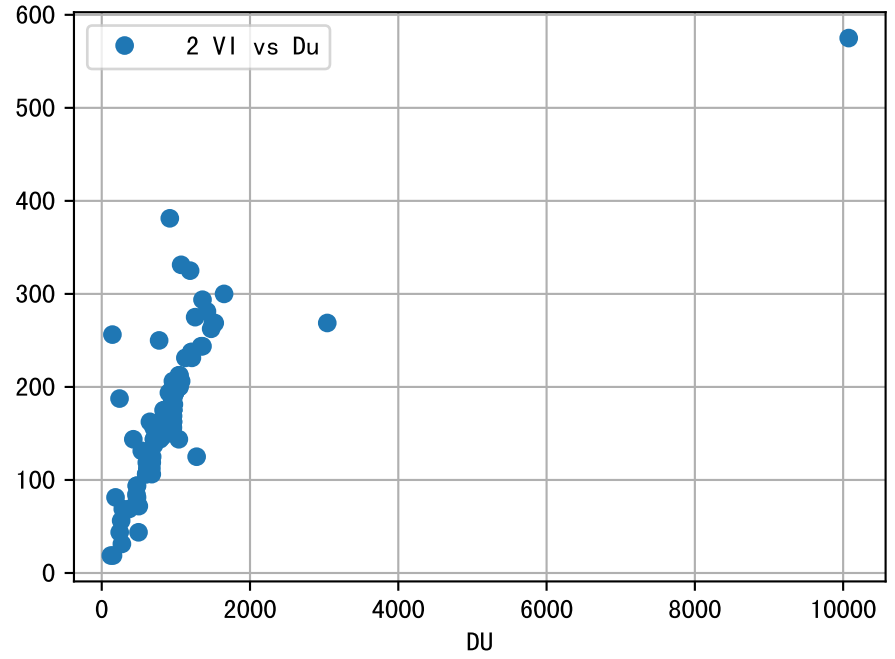

1 VN
d

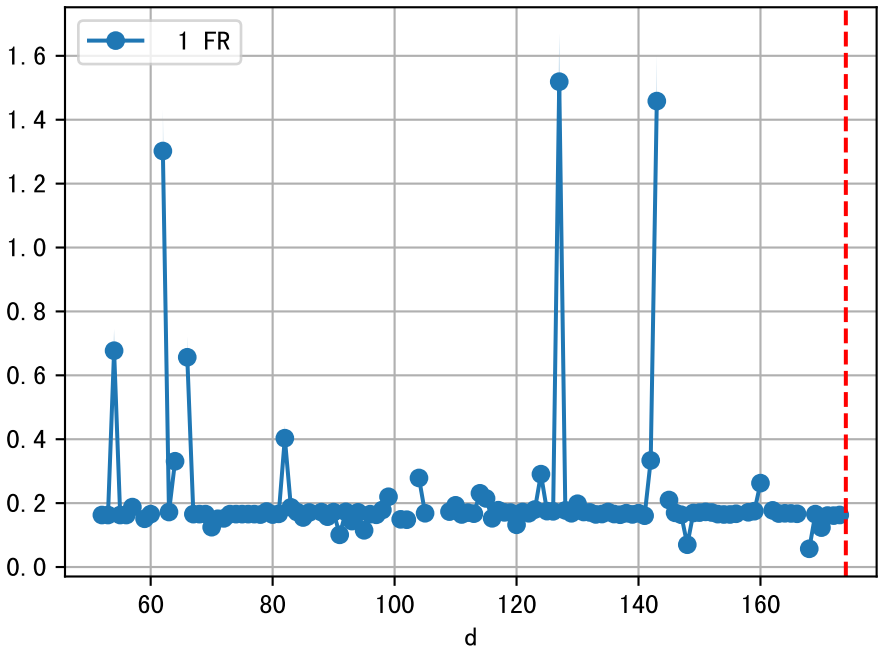

2 VN
d

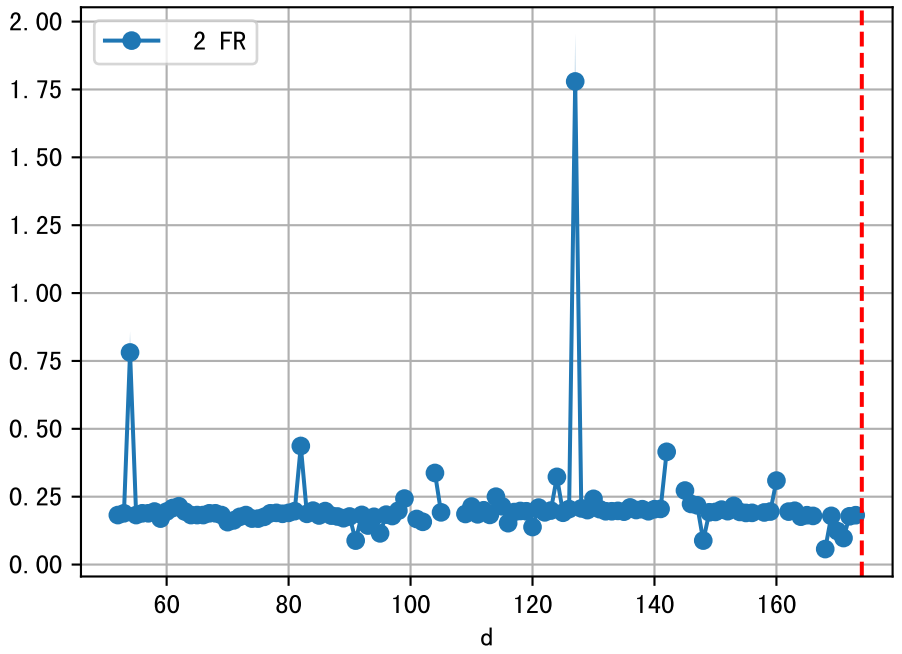

1 OIR
d

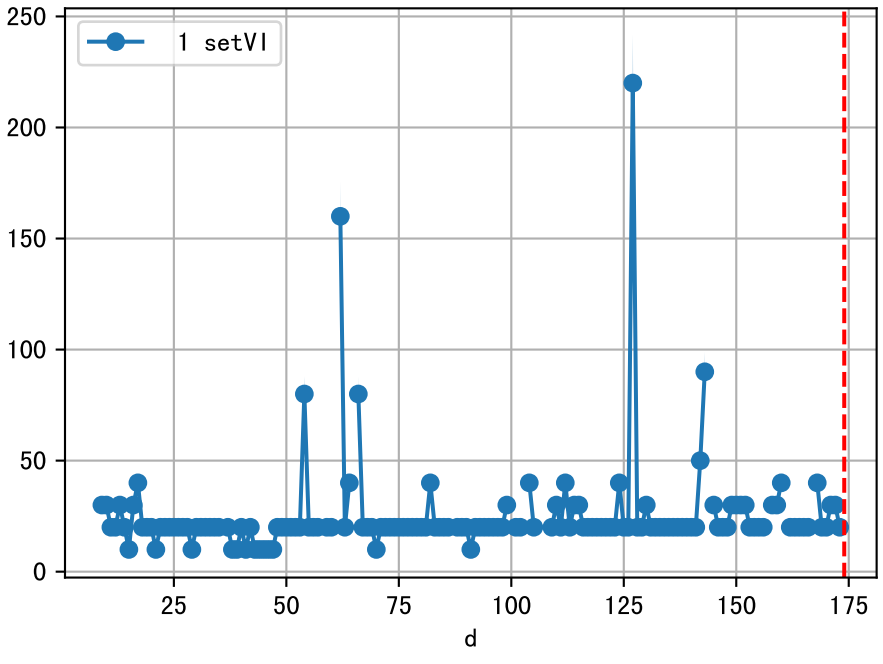

2 OIR
d

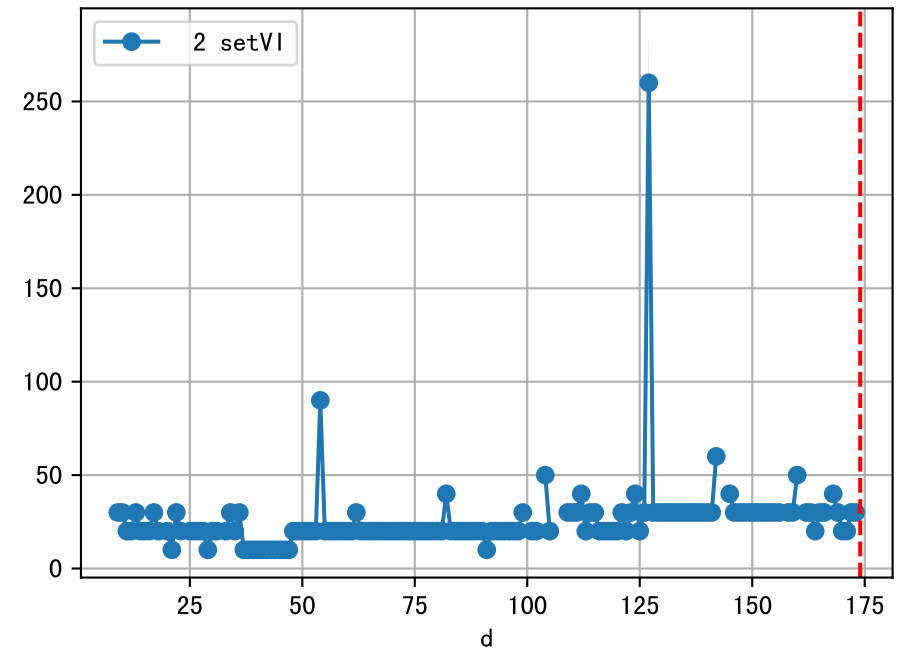

1 VI vs Du
DU

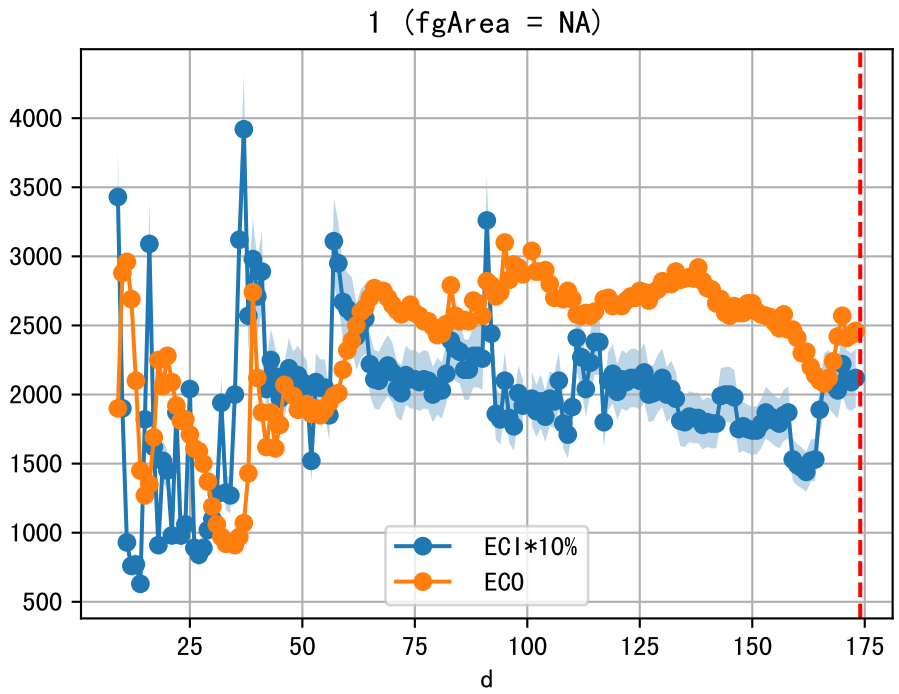

2 VI vs Du
DU

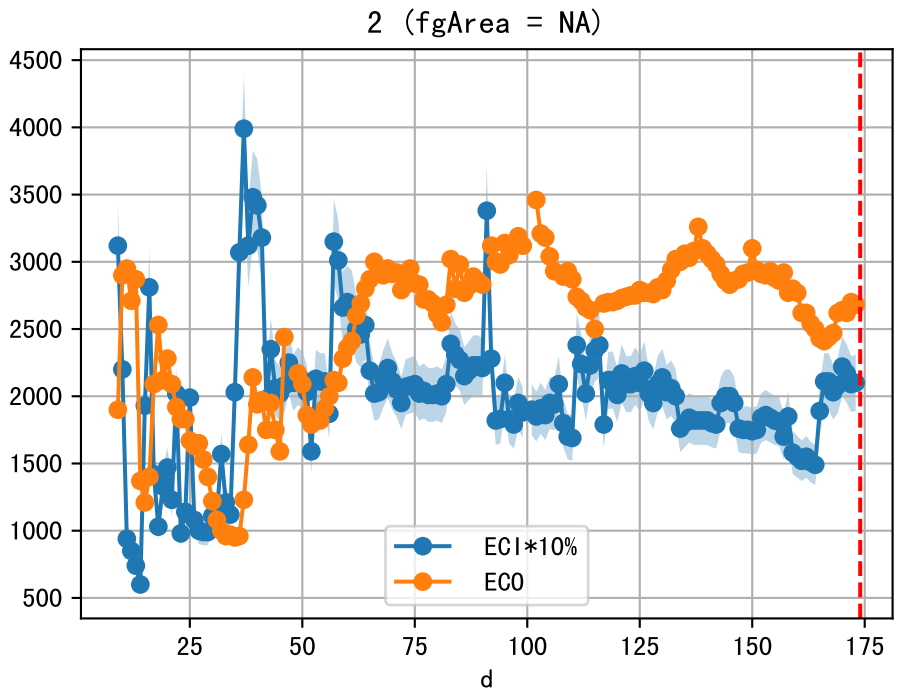

1 FR
d

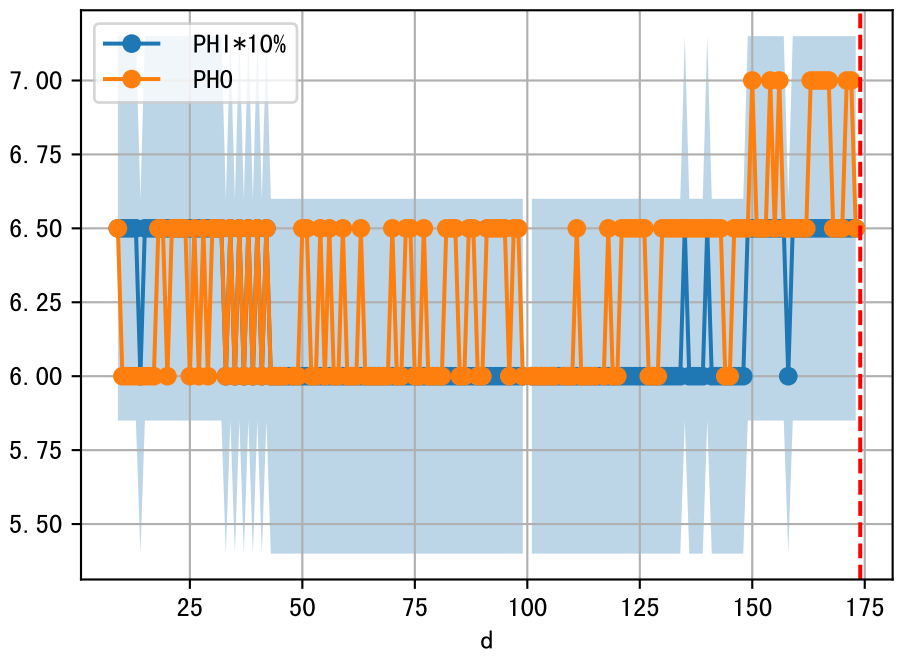

2 FR
d

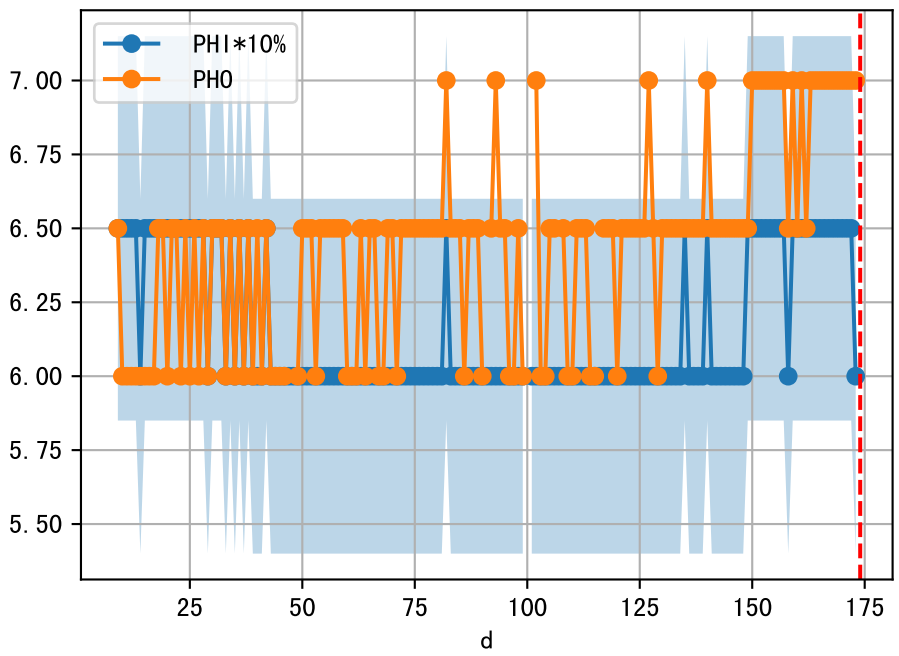

1 setVI
d

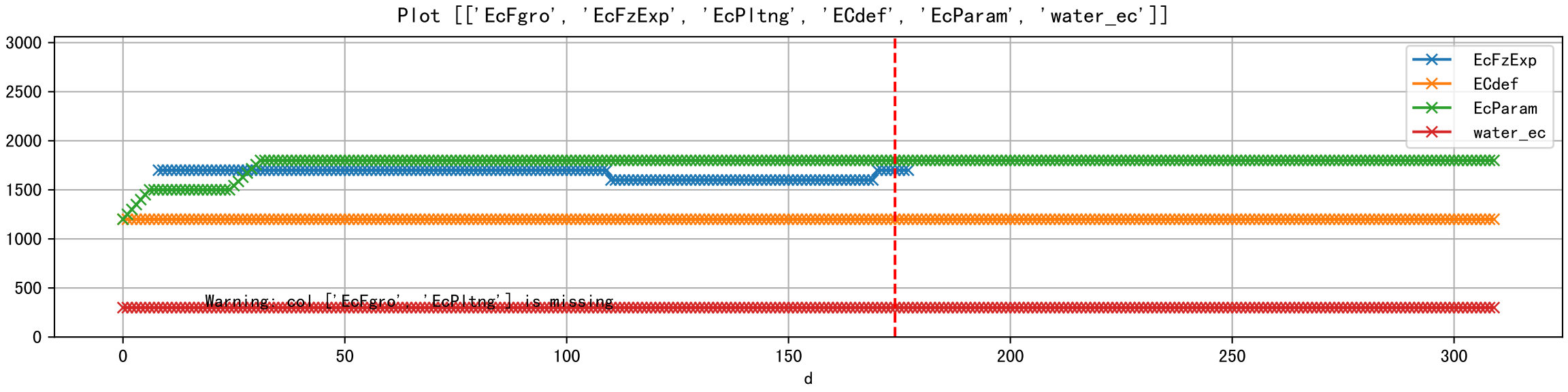

2 setVI
d

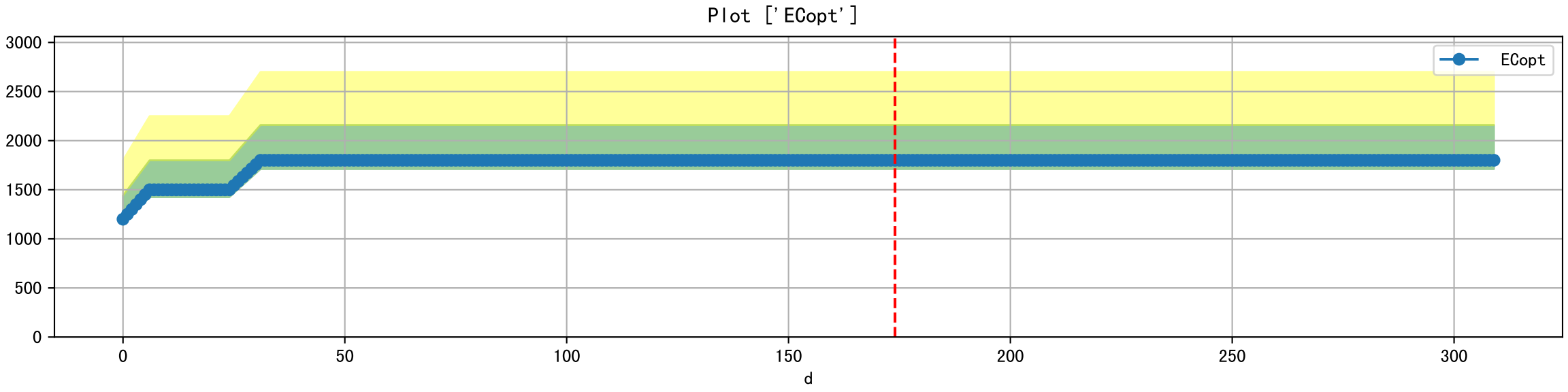

1 (fgArea = NA)
4000
3500
3000
2500
2000
1500
1000
500
ECI*10%
ECO
25
50
75
100
125
150
175
d

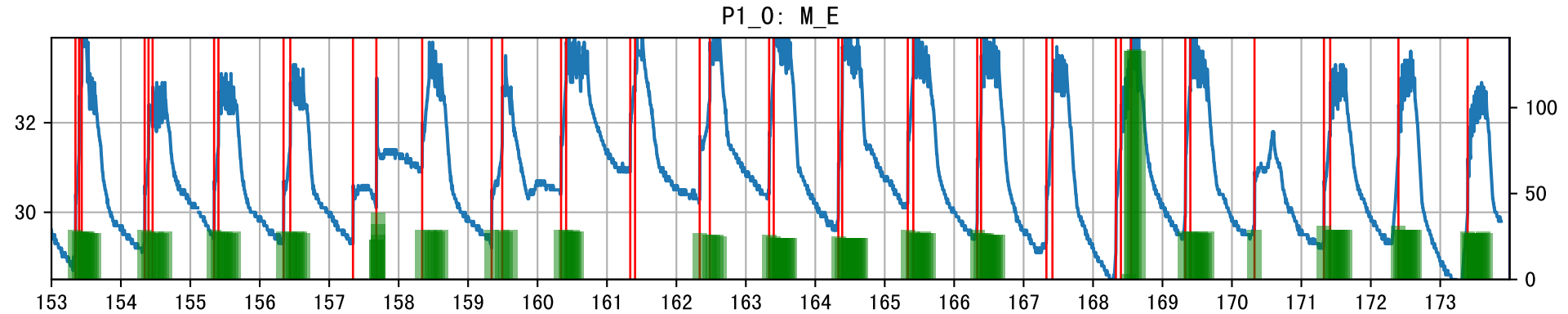

2 (fgArea = NA)
4500
4000
3500
3000
2500
2000
1500
1000
500
ECI*10%
ECO
25
50
75
100
125
150
175
d

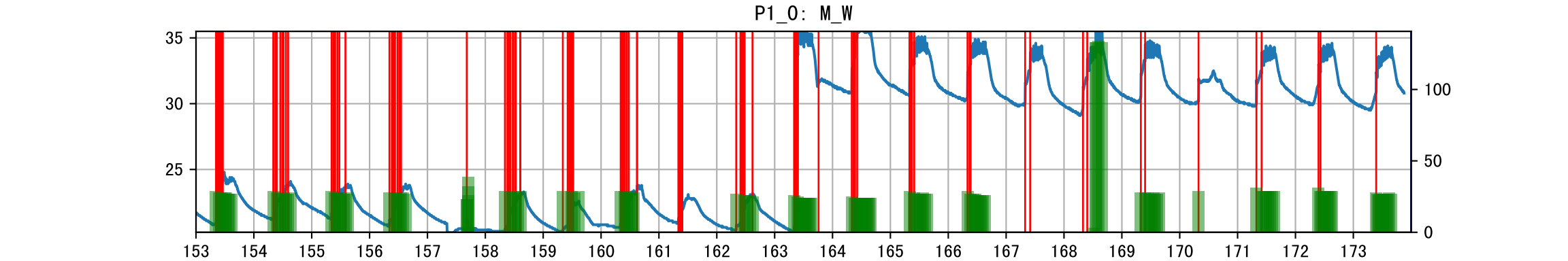

PHI*10%
PHO
7.00
6.75
6.50
6.25
6.00
5.75
5.50
25
50
75
100
125
150
175
d


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

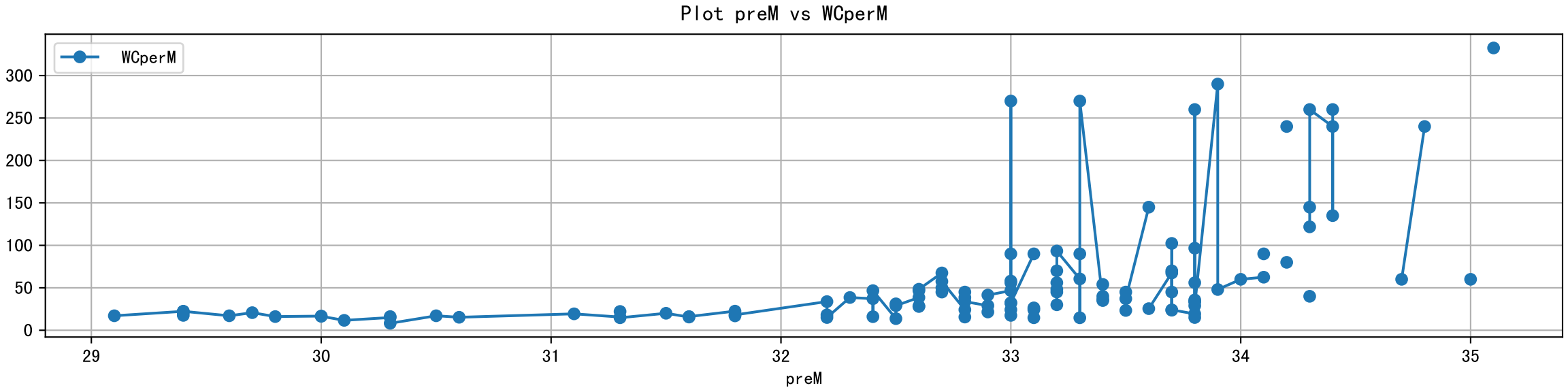

Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'EcParam', 'water_ec']]
EcFzExp
ECdef
EcParam
water_ec
Warning: col ['EcFgro', 'EcPltng'] is missing
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
250
300
d

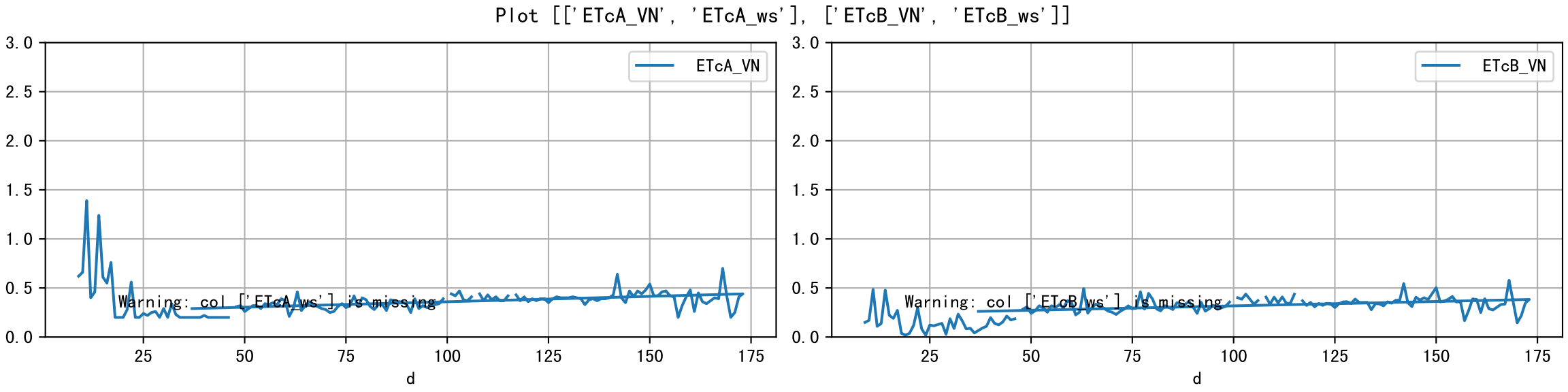

Plot ['ECopt']
ECopt
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
250
300
d

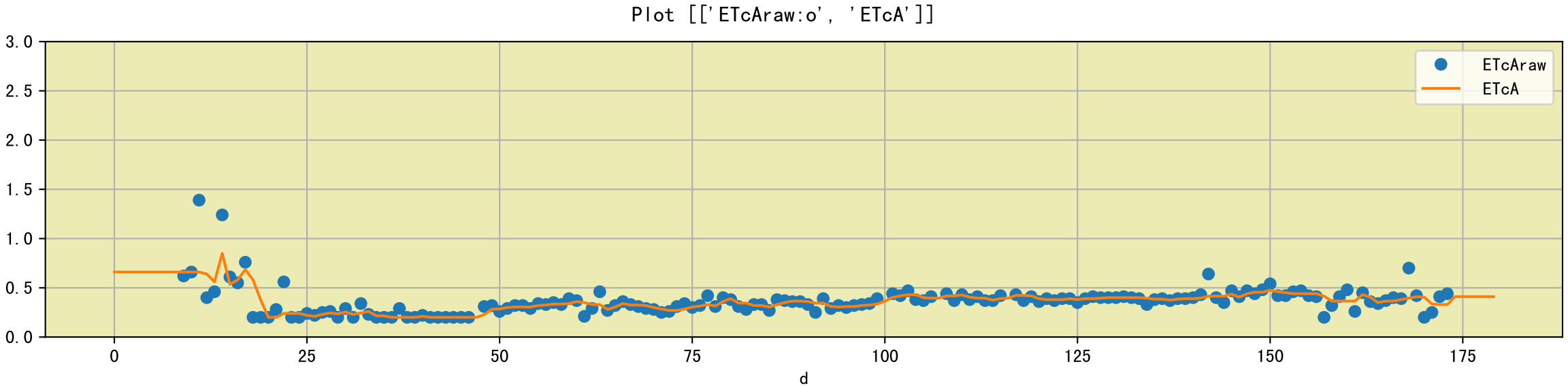

P1_0: M_E
32
30
100
50
0
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173

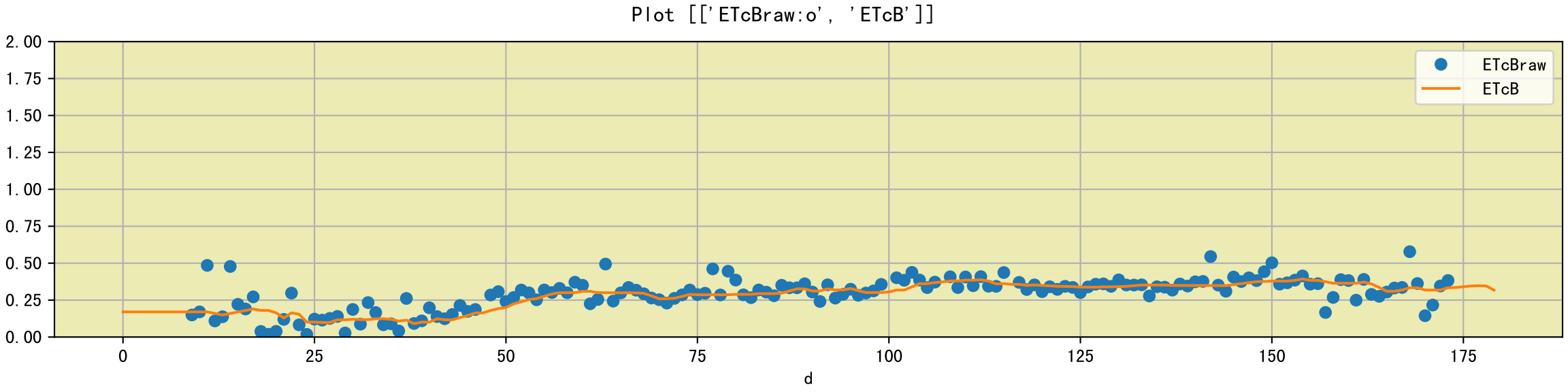

P1_O: M_W
35
30
25
100
50
0
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173

Plot Sensor and FgRec Data

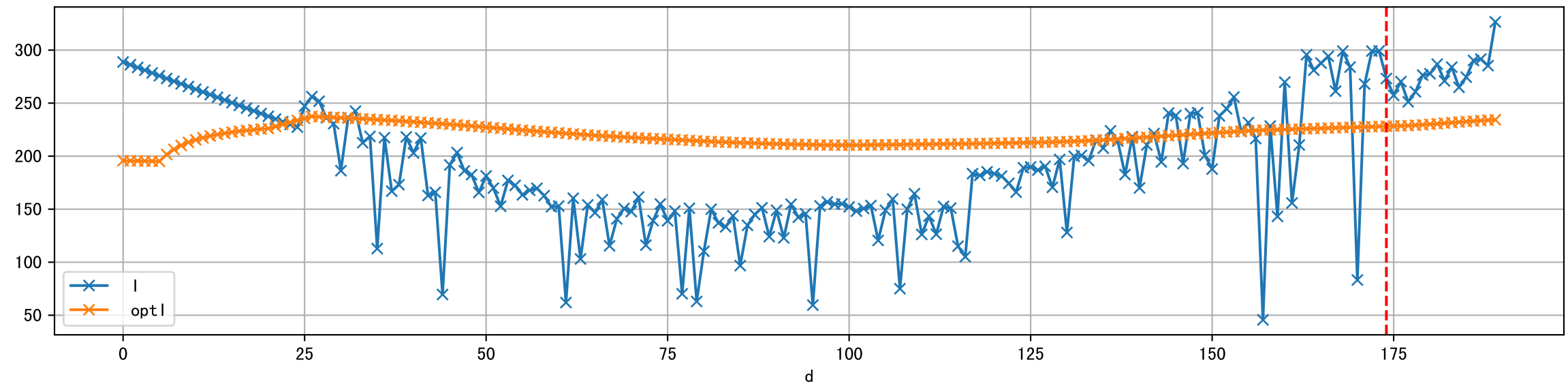

Plot preM vs WCperM
WCperM
300
250
200
150
100
50
0
29
30
31
32
33
34
35
preM

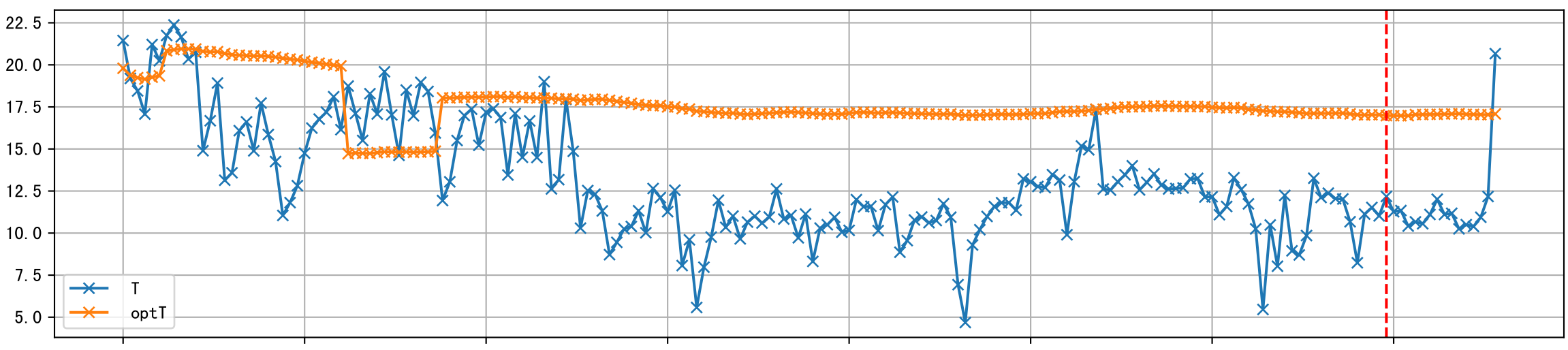

Plot [['ETcA_VN', 'ETcA_ws'], ['ETcB_VN', 'ETcB_ws']]
ETcA_VN
Warning: col ['ETcA_ws'] is missing
ETcB_VN
Warning: col ['ETcB_ws'] is missing
d
d

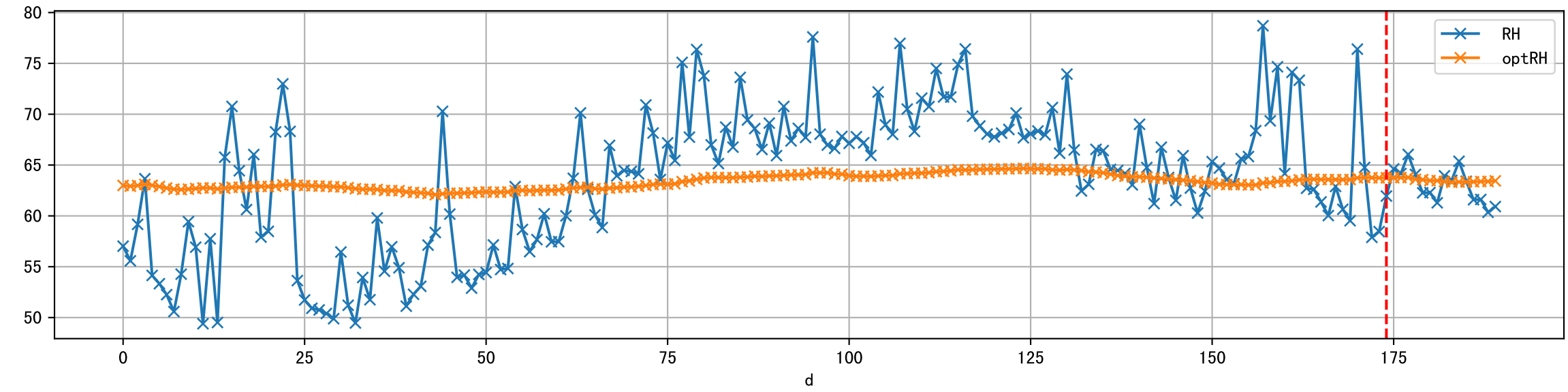

Plot [['ETcAraw:o', 'ETcA']]
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0
25
50
75
100
125
150
175
d
ETcAraw
ETcA

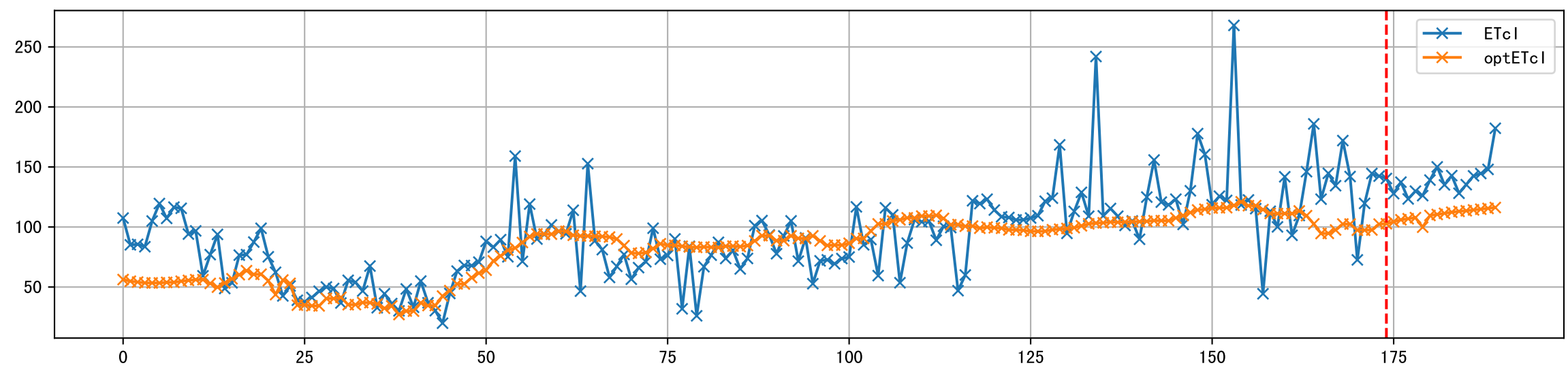

Plot [['ETcBraw:o', 'ETcB']]
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
0
25
50
75
100
125
150
175
d
ETcBraw
ETcB

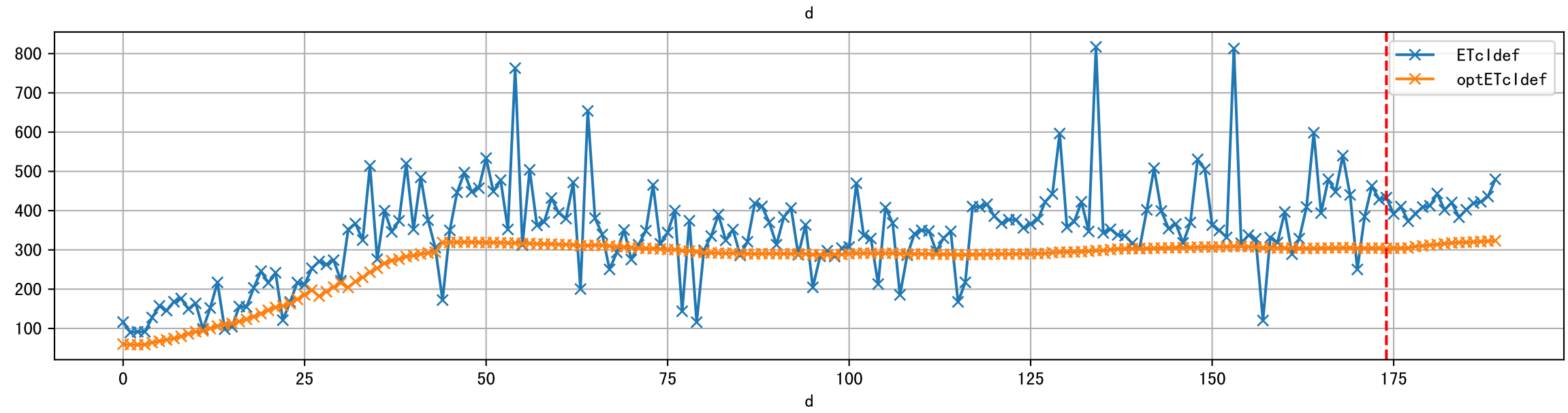
I'], ['T', 'optT'], ['RH', 'optRH'], ['ETcI', 'optETcI'], ['ETcIdef', 'optETcIdef'], ['ETo1', 'optETo1'], 'LAI', ['optEtRate', 'optEtRateDef', '

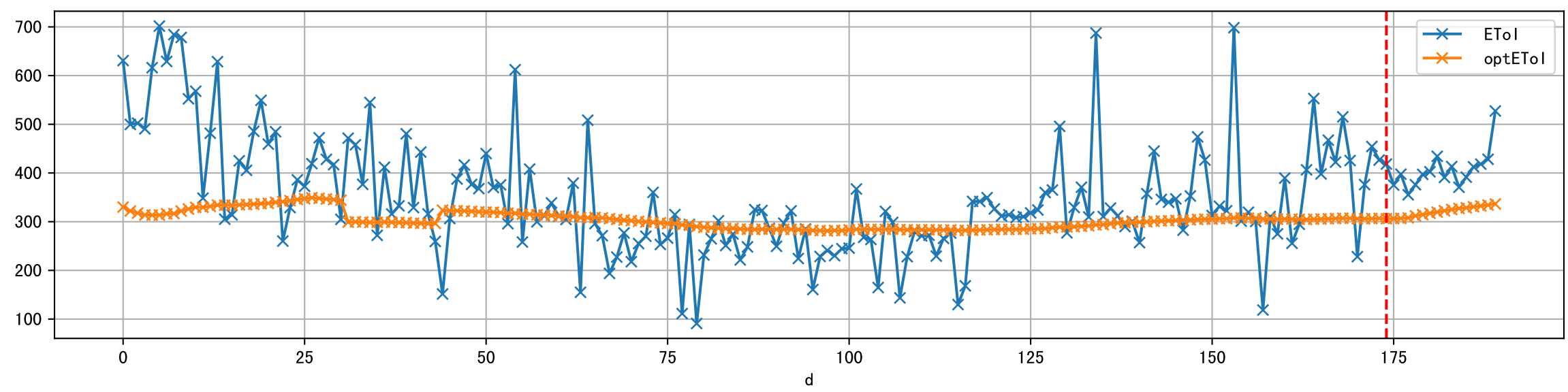


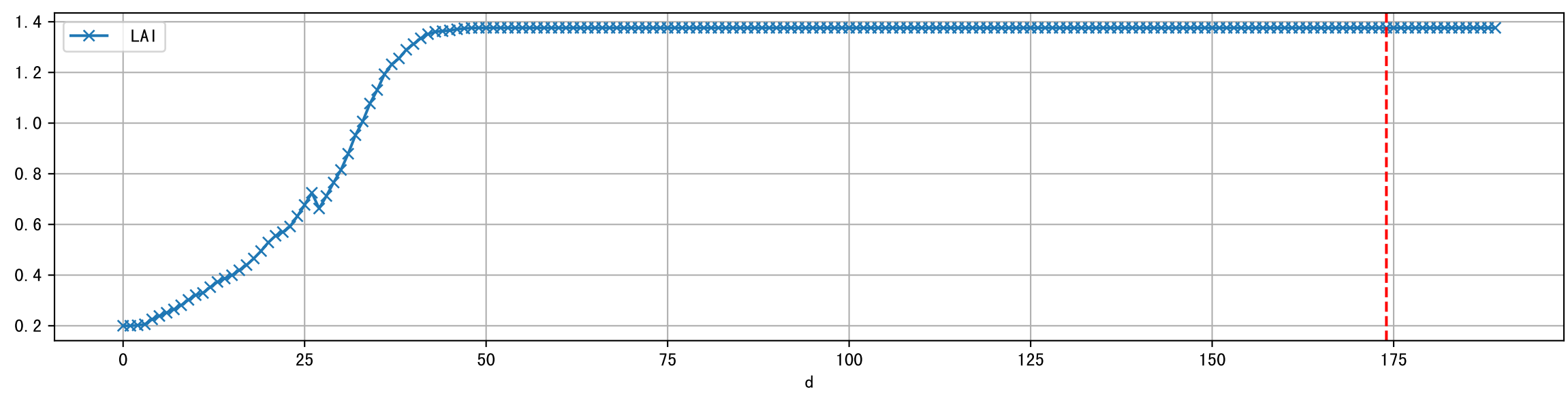


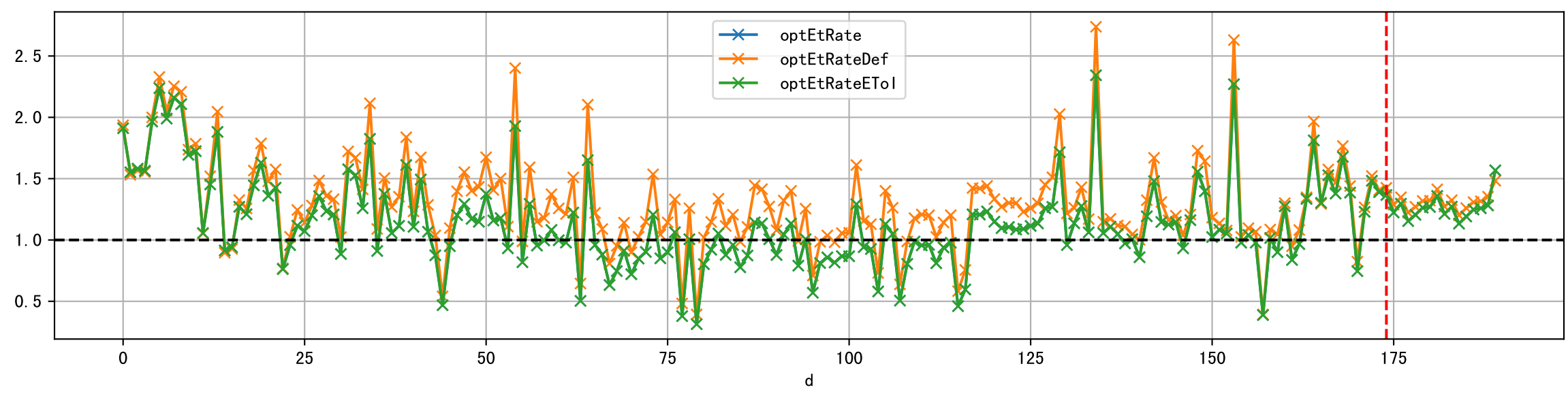


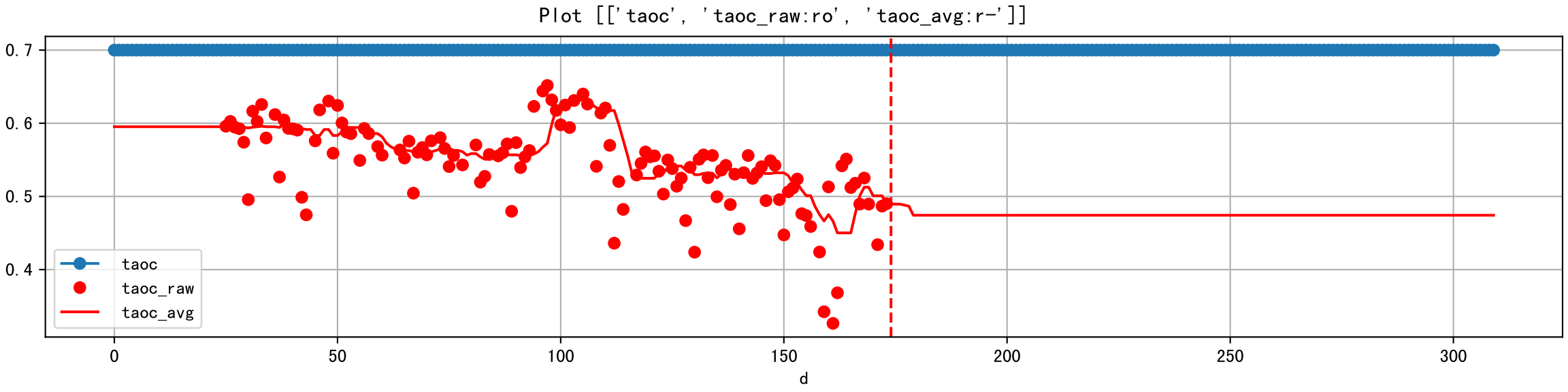


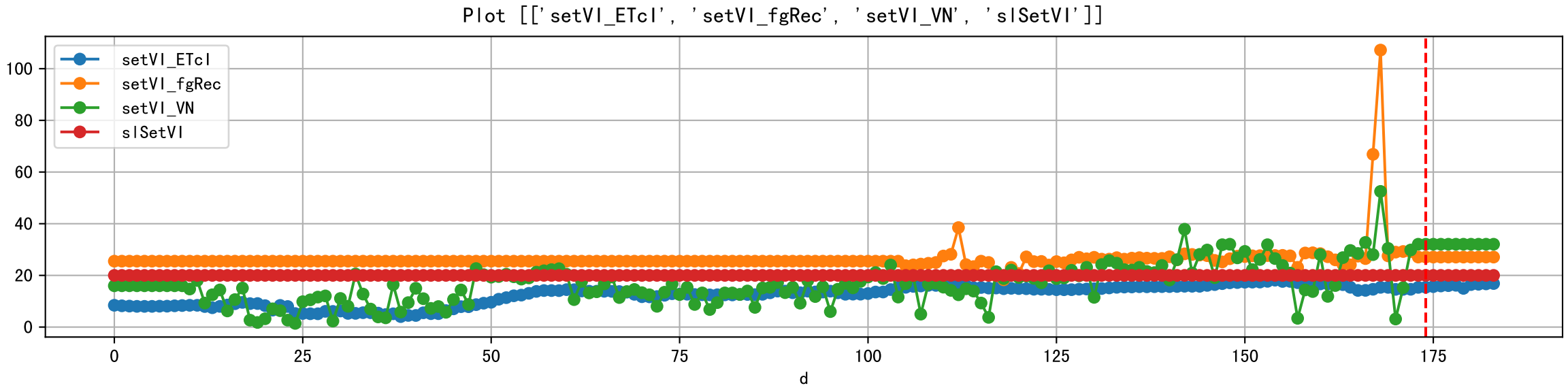


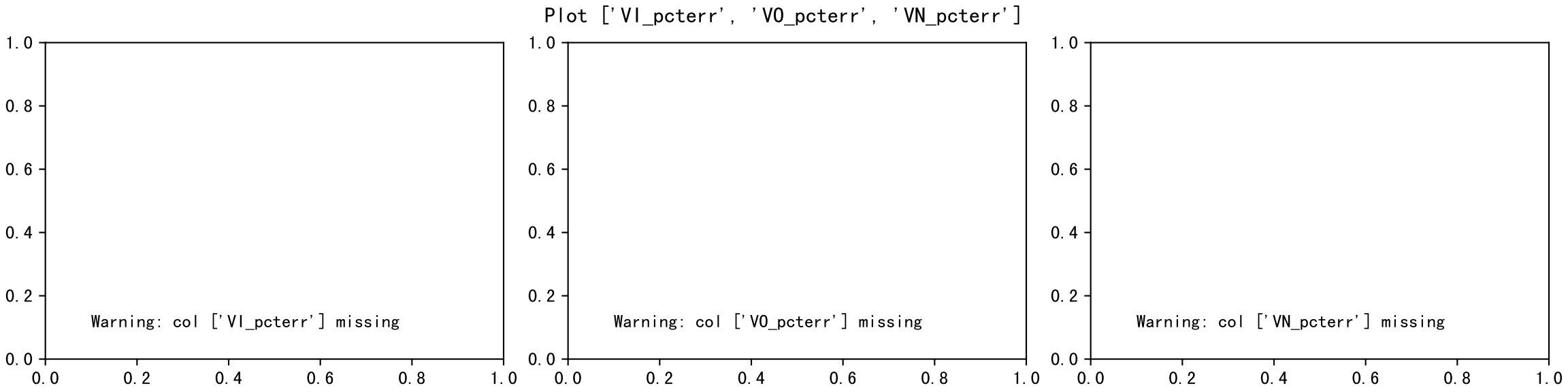


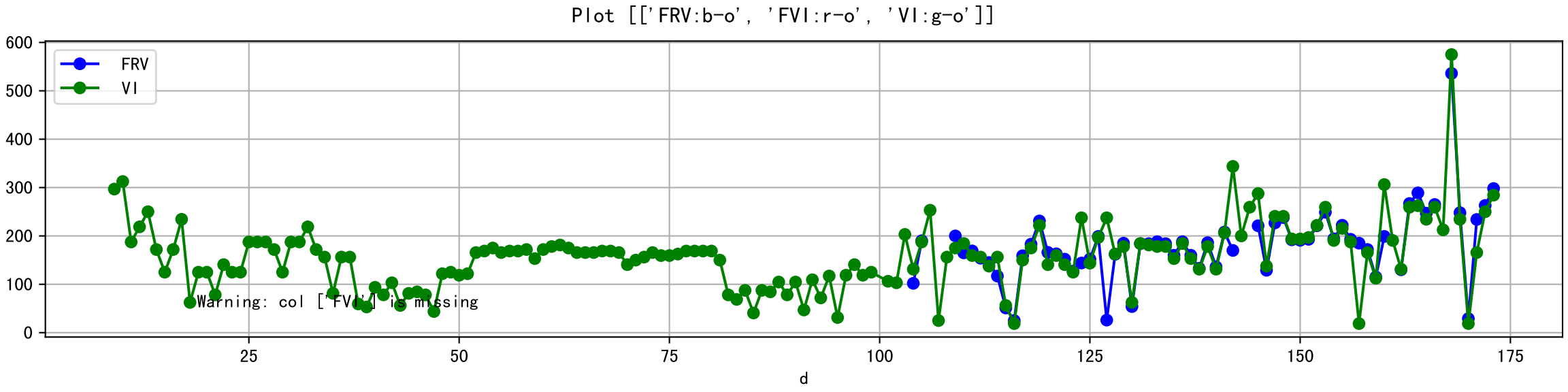


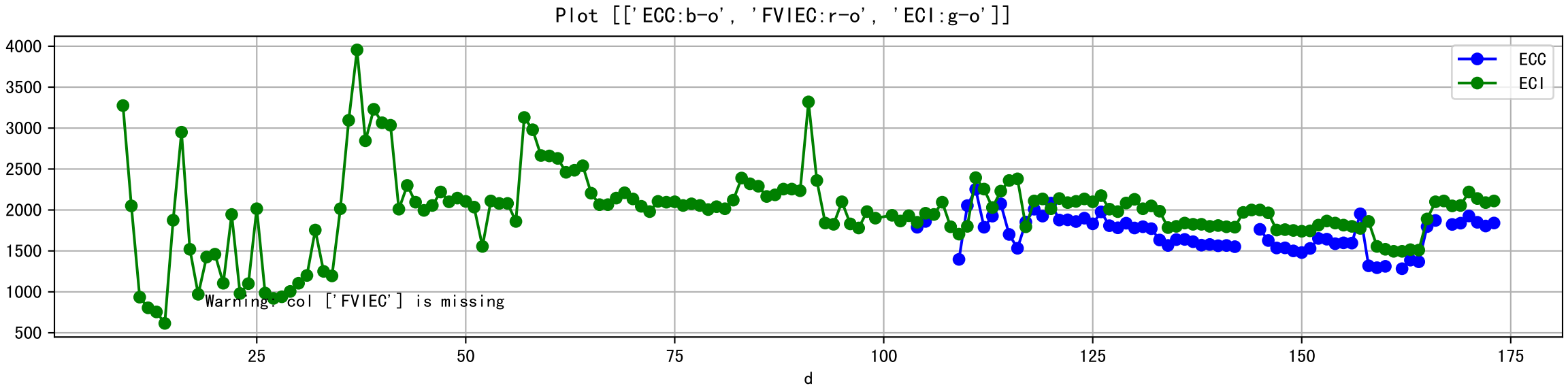


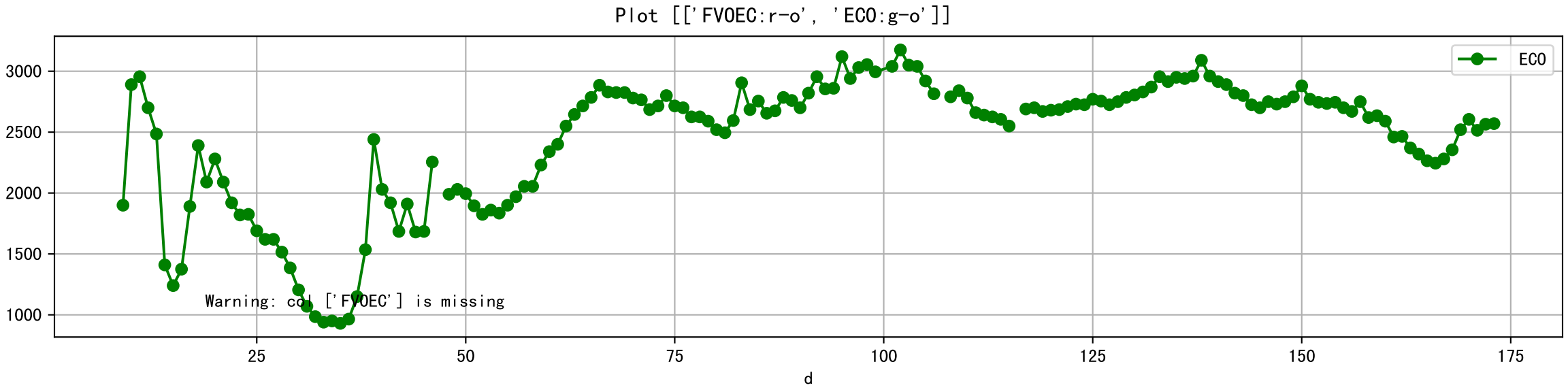

Plot [['taoc', 'taoc_raw:ro', 'taoc_avg:r-']]
0.7
0.6
0.5
0.4
taoc
taoc_raw
taoc_avg
0
50
100
150
200
250
300
d

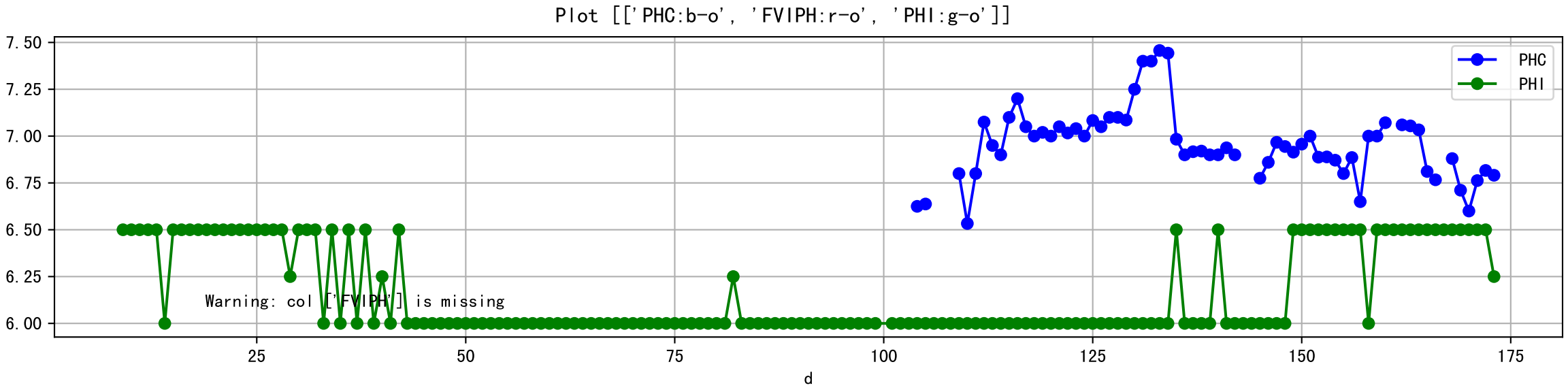

Plot [['setVI_ETcI', 'setVI_fgRec', 'setVI_VN', 'slSetVI']]
setVI_ETcI
setVI_fgRec
setVI_VN
slSetVI
100
80
60
40
20
0
0
25
50
75
100
125
150
175
d

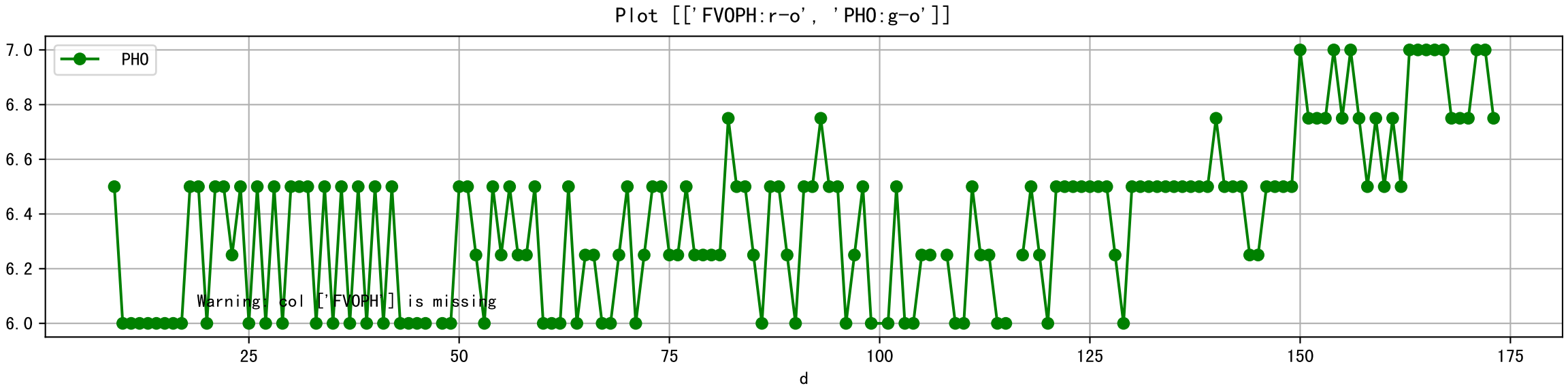

Plot ['VI_pcterr', 'VO_pcterr', 'VN_pcterr']
Warning: col ['VI_pcterr'] missing
Warning: col ['VO_pcterr'] missing
Warning: col ['VN_pcterr'] missing
0.0
0.2
0.4
0.6
0.8
1.0

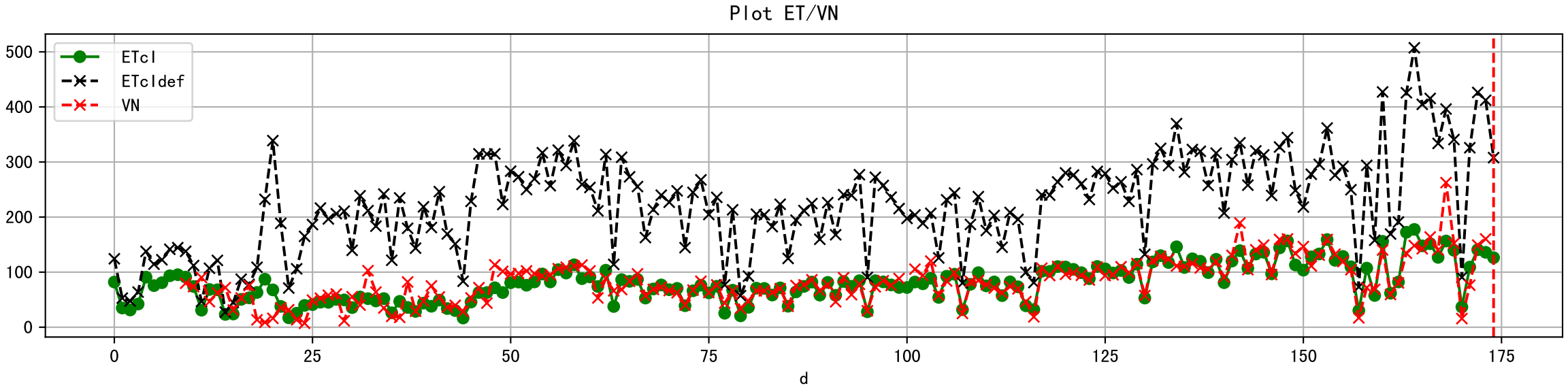

Plot [['FRV:b-o', 'FVI:r-o', 'VI:g-o']]
FRV
VI
Warning: col ['FVI'] is missing
600
500
400
300
200
100
0
25
50
75
100
125
150
175
d

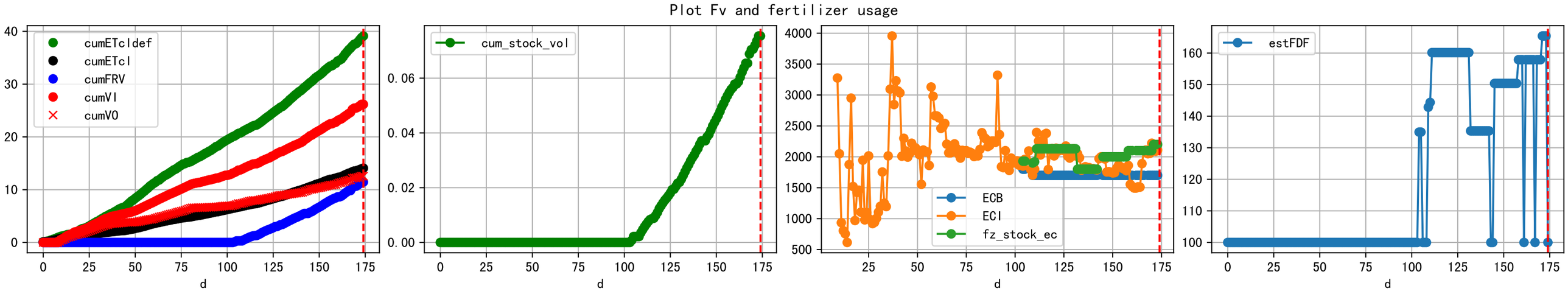

Plot [['ECC:b-o', 'FVIEC:r-o', 'ECI:g-o']]
ECC
ECI
Warning: col ['FVIEC'] is missing
4000
3500
3000
2500
2000
1500
1000
500
25
50
75
100
125
150
175
d

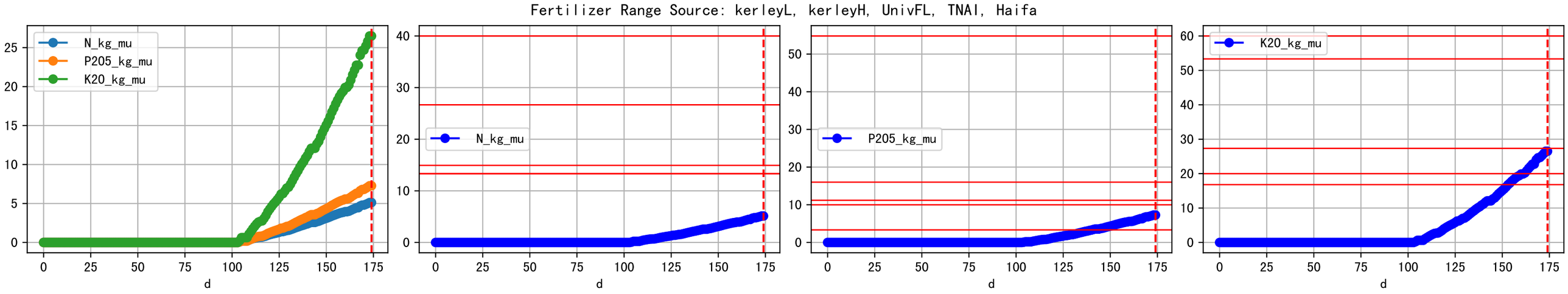

Plot [['FVOEC:r-o', 'ECO:g-o']]
ECO
Warning: col ['FVOEC'] is missing
3000
2500
2000
1500
1000
25
50
75
100
125
150
175
d

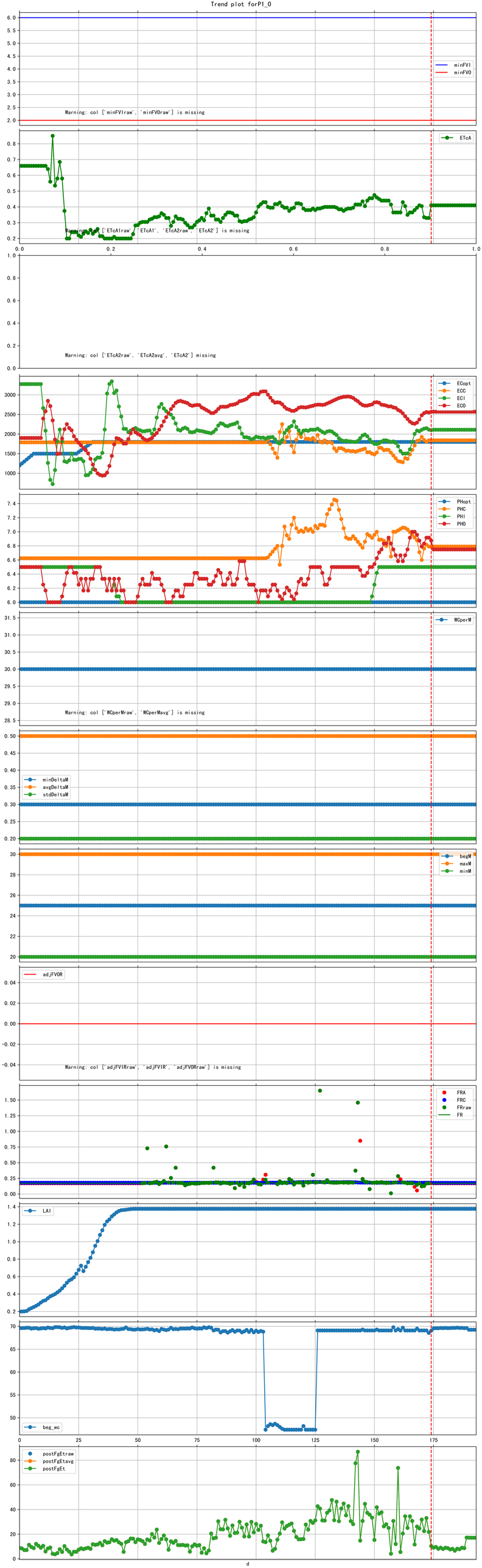

Plot [['PHC:b-o', 'FVIPH:r-o', 'PHI:g-o']]
PHC
PHI
Warning: col ['FVIPH'] is missing
7.50
7.25
7.00
6.75
6.50
6.25
6.00
25
50
75
100
125
150
175
d

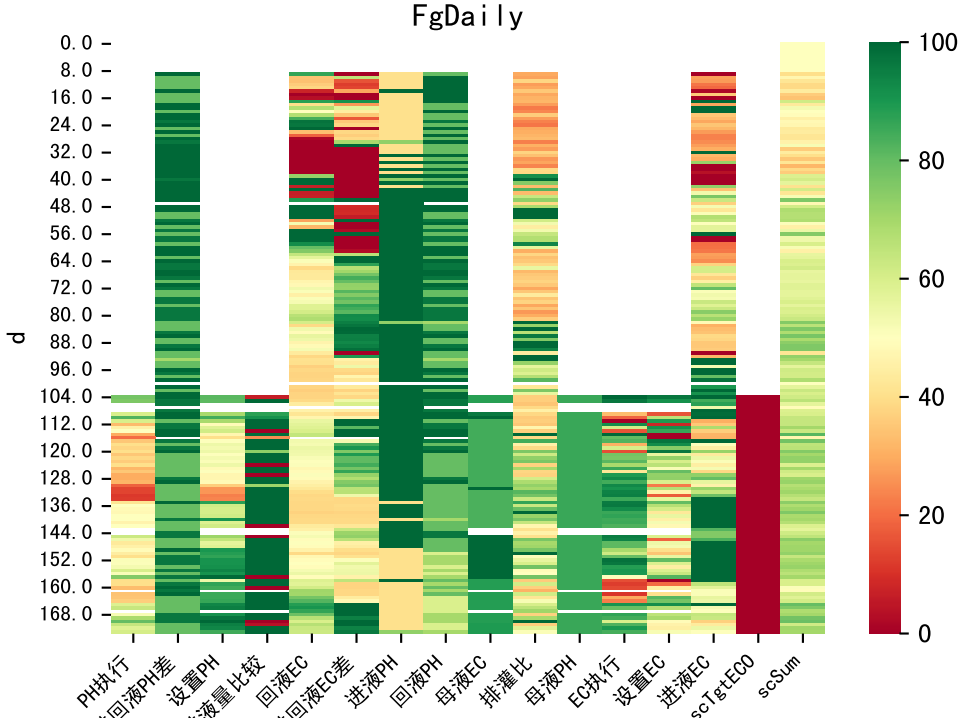

Plot [['FVOPH:r-o', 'PHO:g-o']]
PHO
Warning: col ['FVOPH'] is missing
7.0
6.8
6.6
6.4
6.2
6.0
25
50
75
100
125
150
175
d


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

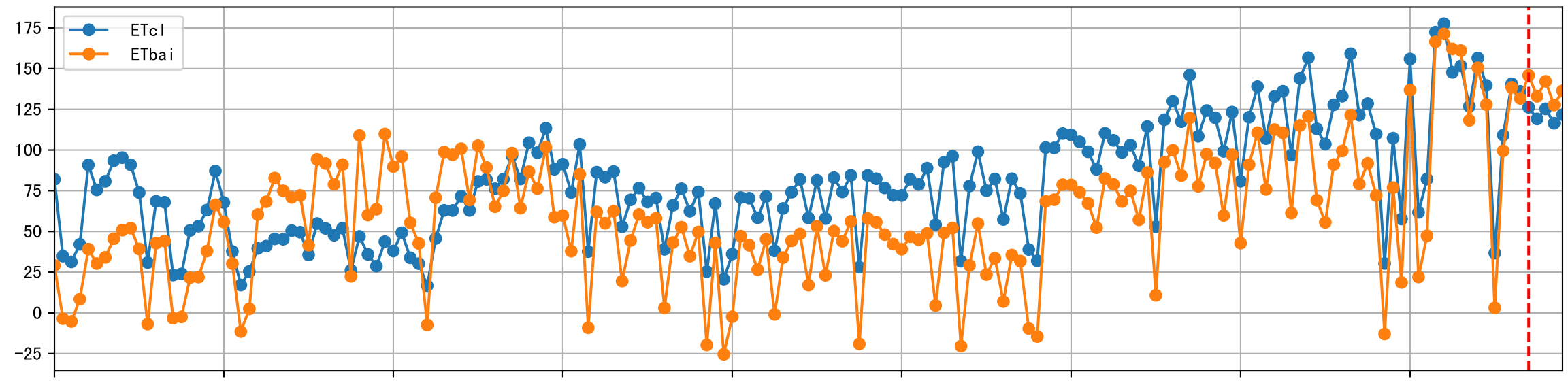

Plot Fv and fertilizer usage
cumETcldef
cumETcl
cumFRV
cumVI
cumVO
cum_stock_vol
ECB
ECI
fz_stock_ec
estFDF
d
d
d
d

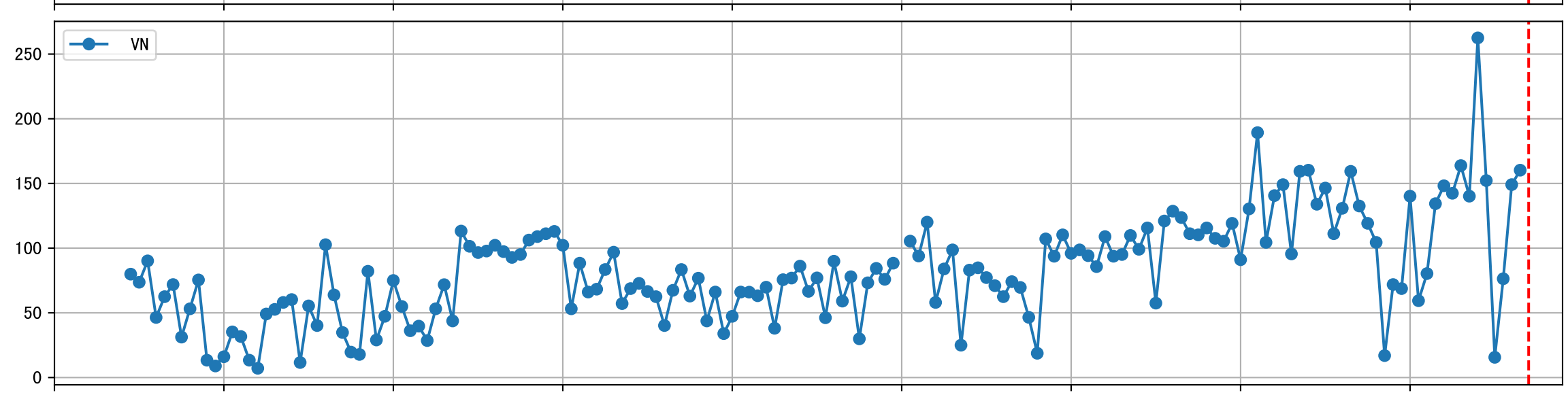

Fertilizer Range Source: kerleyL, kerleyH, UnivFL, TNAI, Haifa
N_kg_mu
P205_kg_mu
K20_kg_mu
d

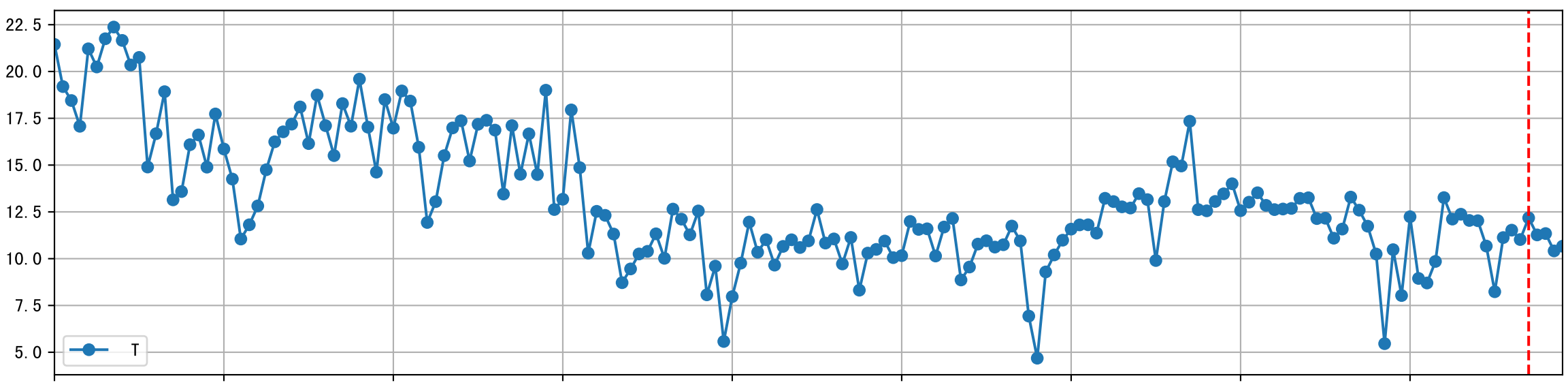

Trend plot forP1_0
minFVI
minFVO
Warning: col ['minFVIraw', 'minFVOraw'] is missing
ETcA
Warning: col ['ETcA1raw', 'ETcA1', 'ETcA2raw', 'ETcA2'] is missing
Warning: col ['ETcA2raw', 'ETcA2avg', 'ETcA2'] is missing
ECopt
ECC
ECI
ECO
PHopt
PHC
PHI
PHO
WCperM
Warning: col ['WCperMraw', 'WCperMavg'] is missing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

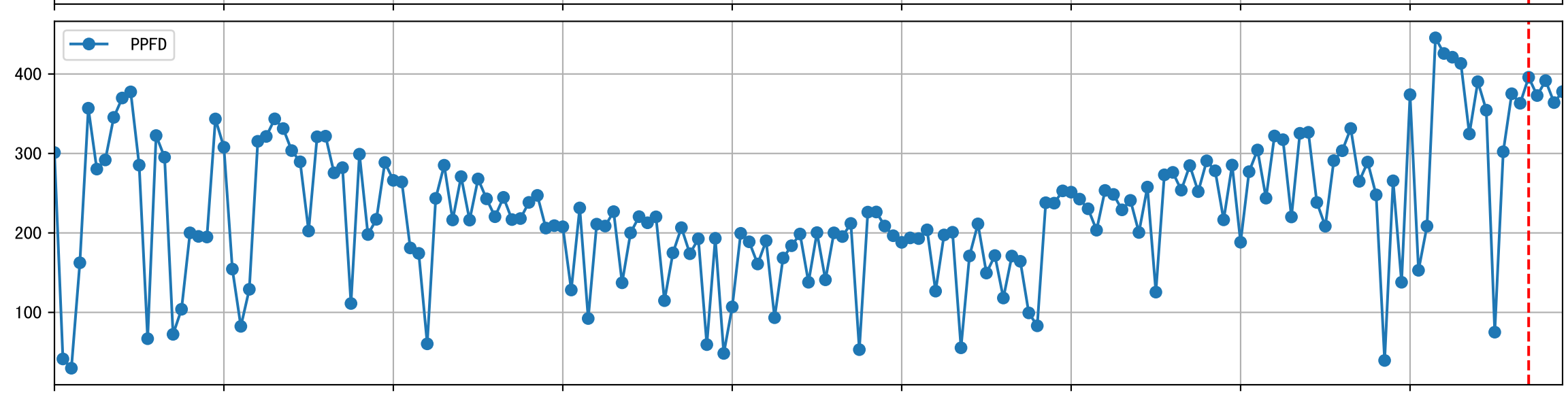

FgDaily
d
0.0
8.0
16.0
24.0
32.0
40.0
48.0
56.0
64.0
72.0
80.0
88.0
96.0
104.0
112.0
120.0
128.0
136.0
144.0
152.0
160.0
168.0
100
80
60
40
20
0
PH执行
回液PH差
设置PH
液量比较
回液EC
回液EC差
进液PH
回液PH
母液EC
排灌比
母液PH
EC执行
设置EC
进液EC
scTgtEC0
scSum

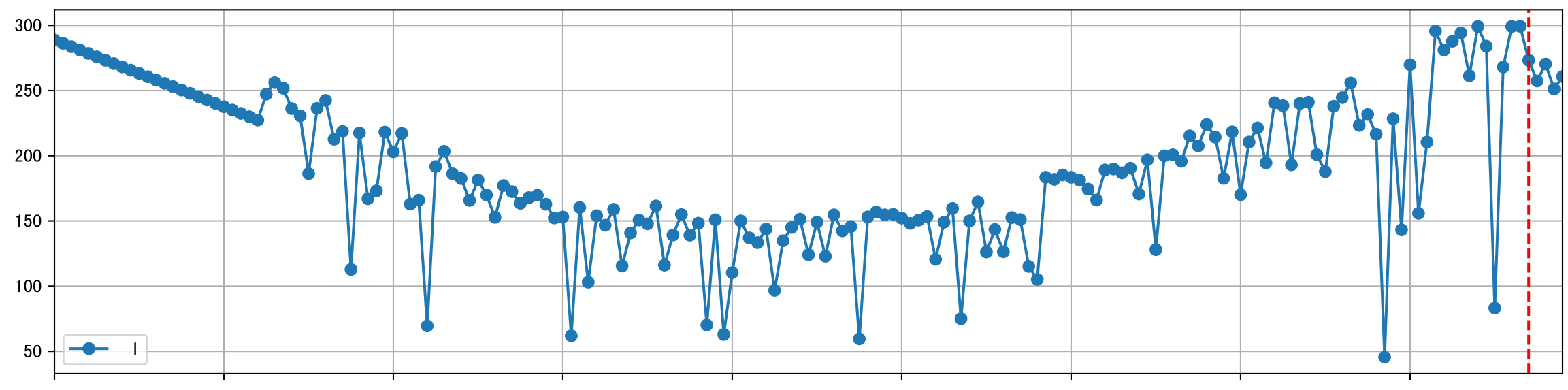
P1_0

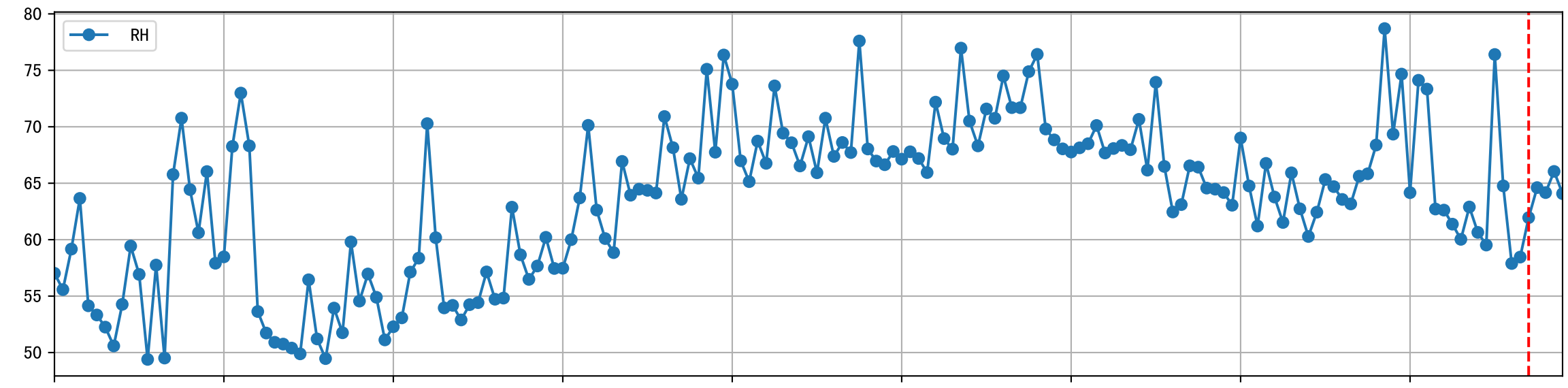


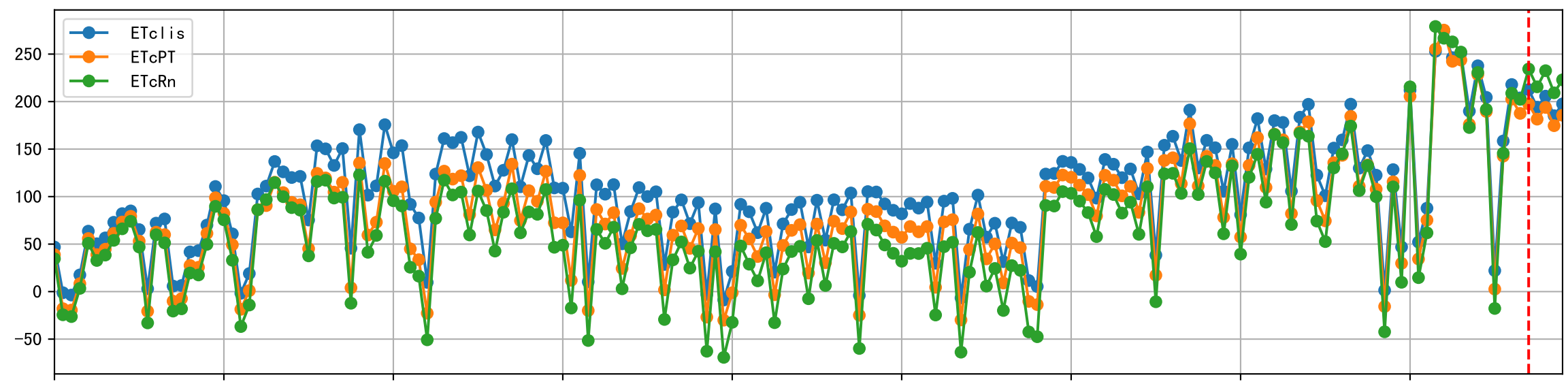


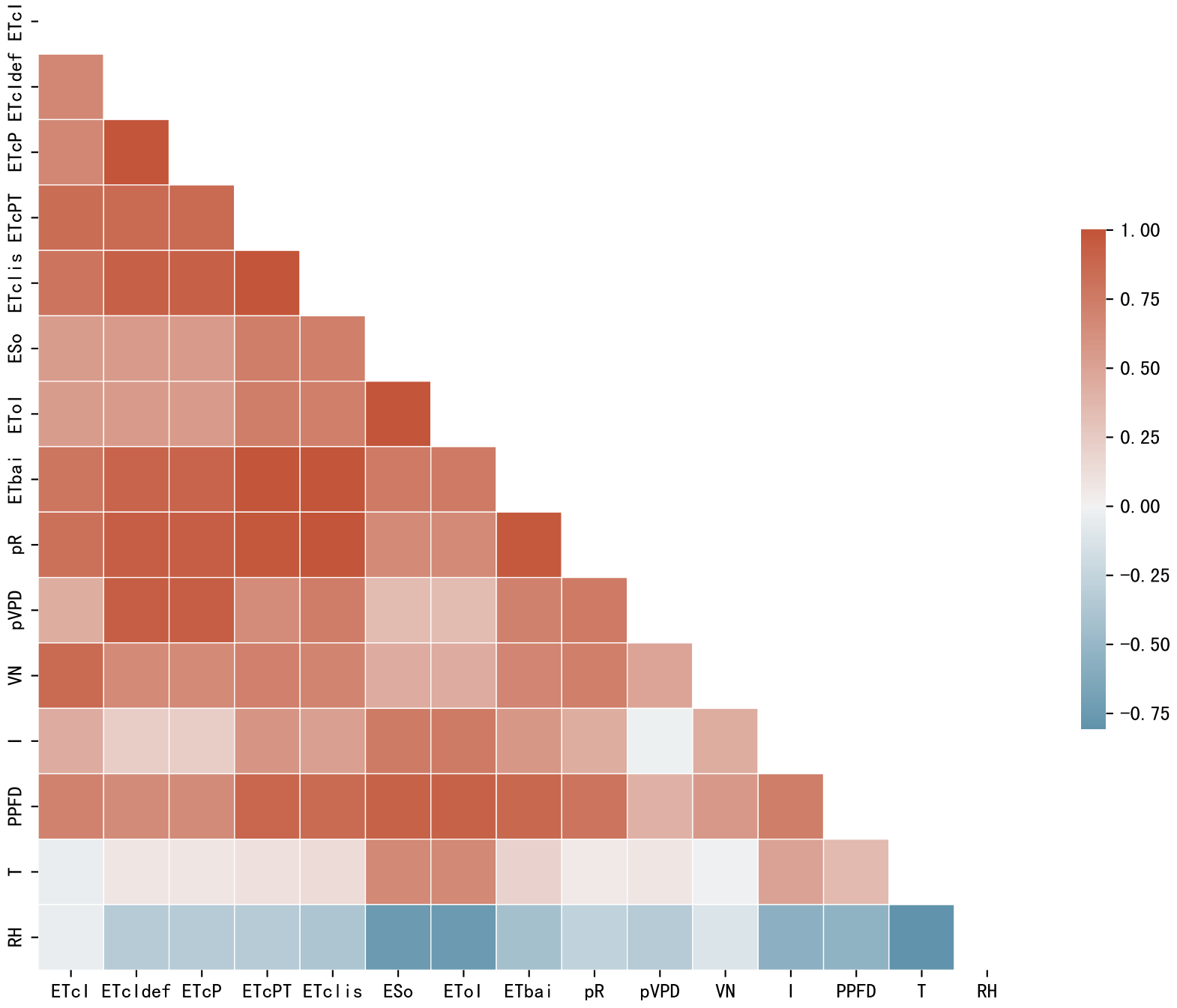


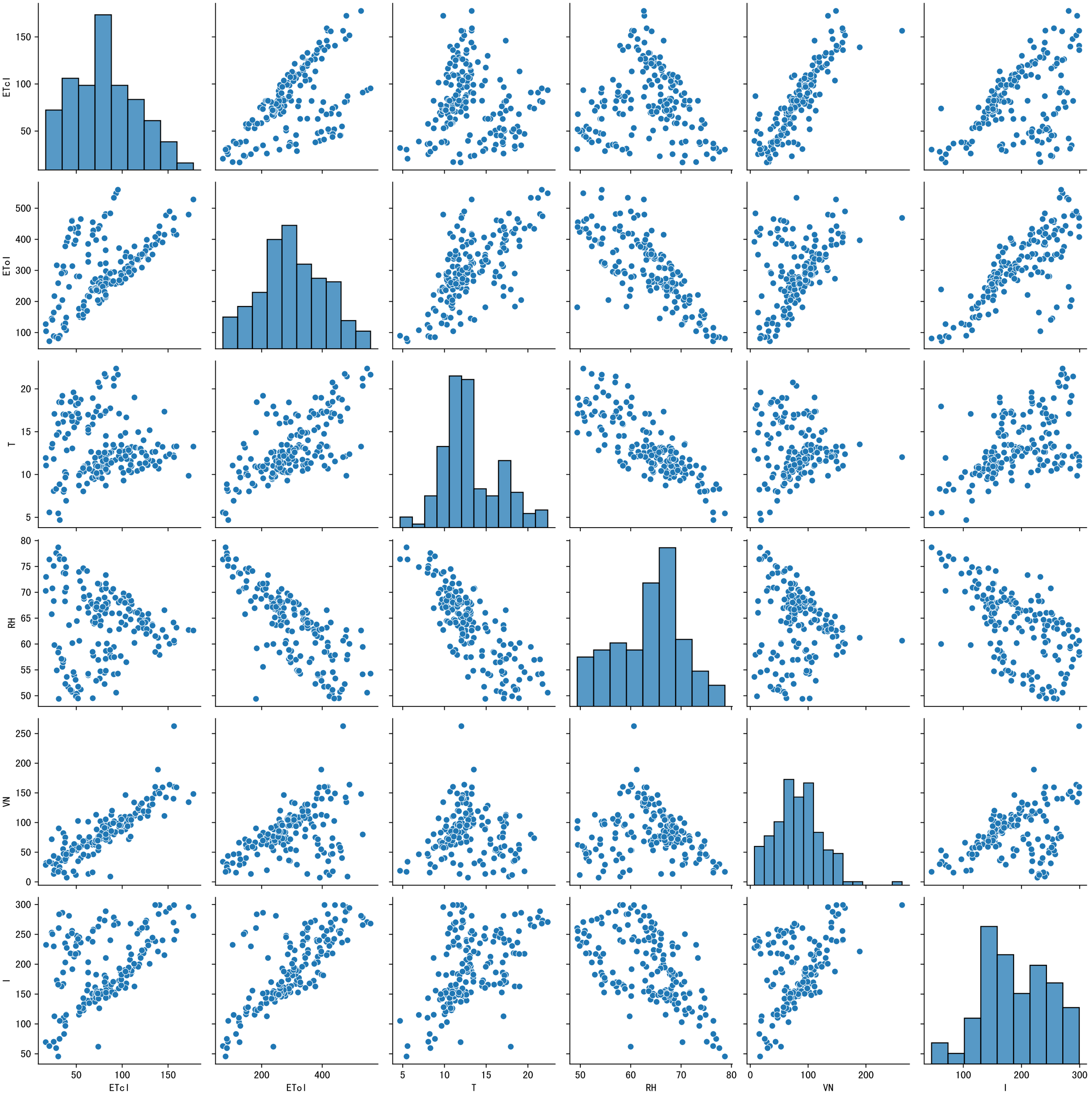


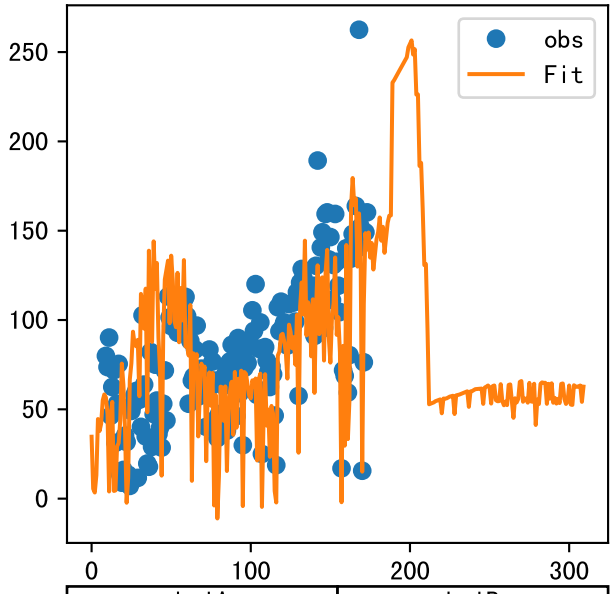


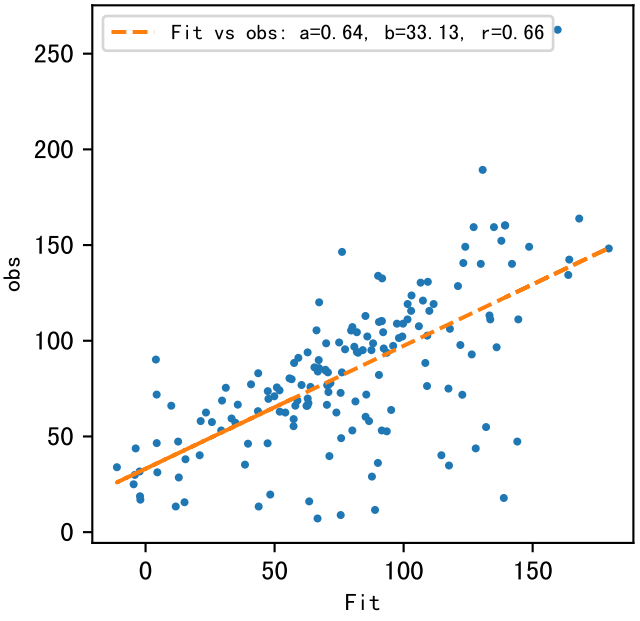




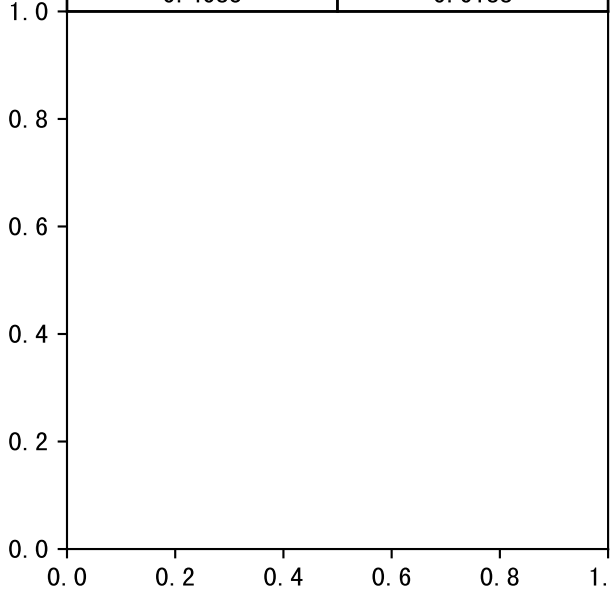

ETcl
ETcldef
ETcP
ETcPT
ETclis
ESo
ETol
ETbai
pR
pVPD
VN
I
PPFD
T
RH
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75

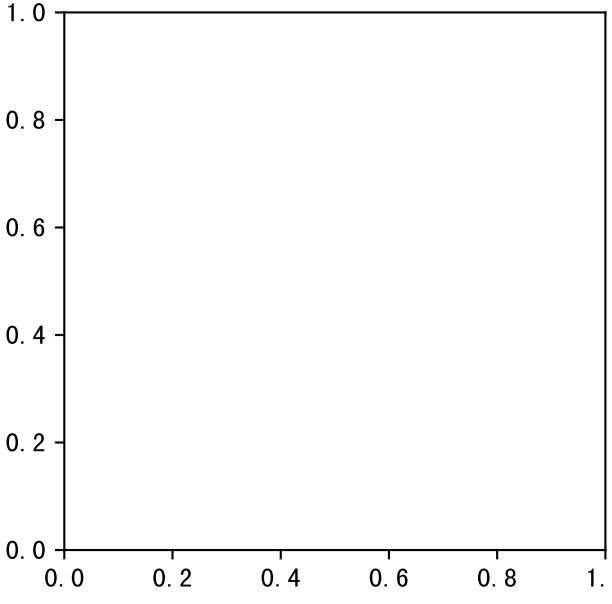

ETcl
ETol
T
RH
VN
I
ETcl
ETol
T
RH
VN
I

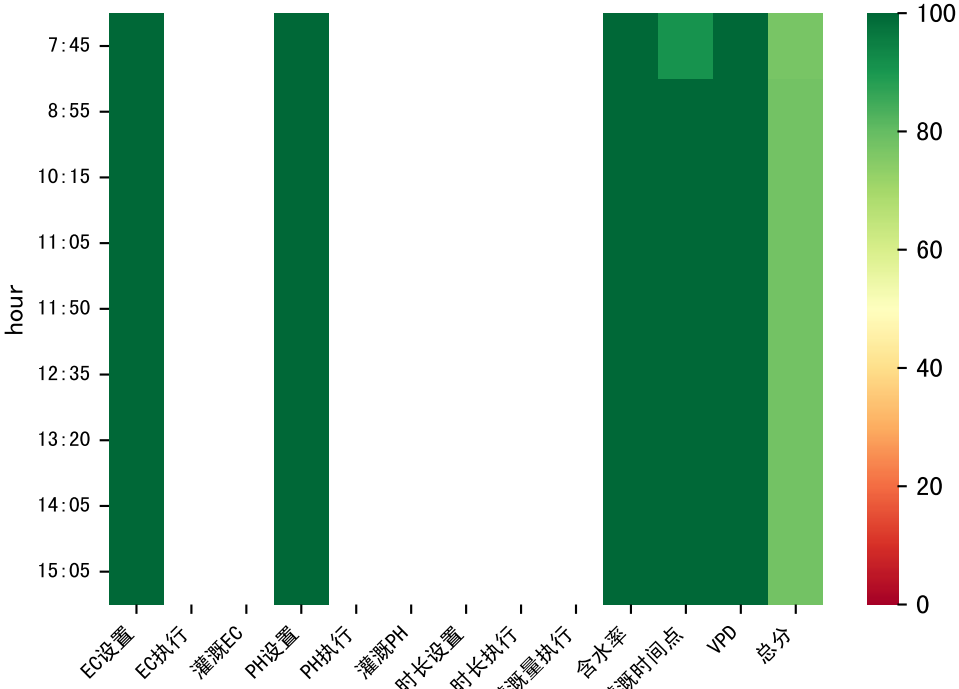




baiA	baiB
0.4083	0.0188

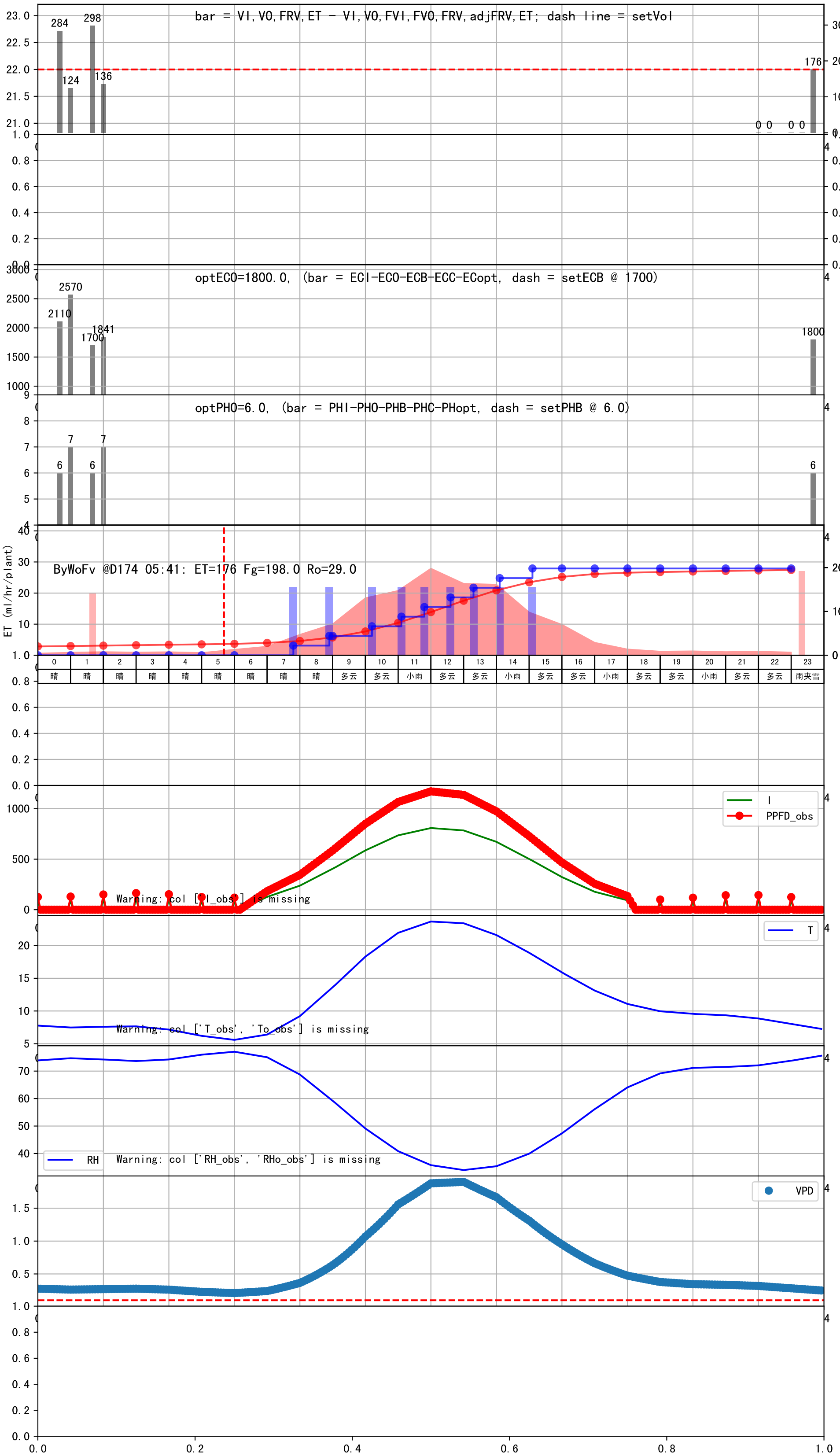


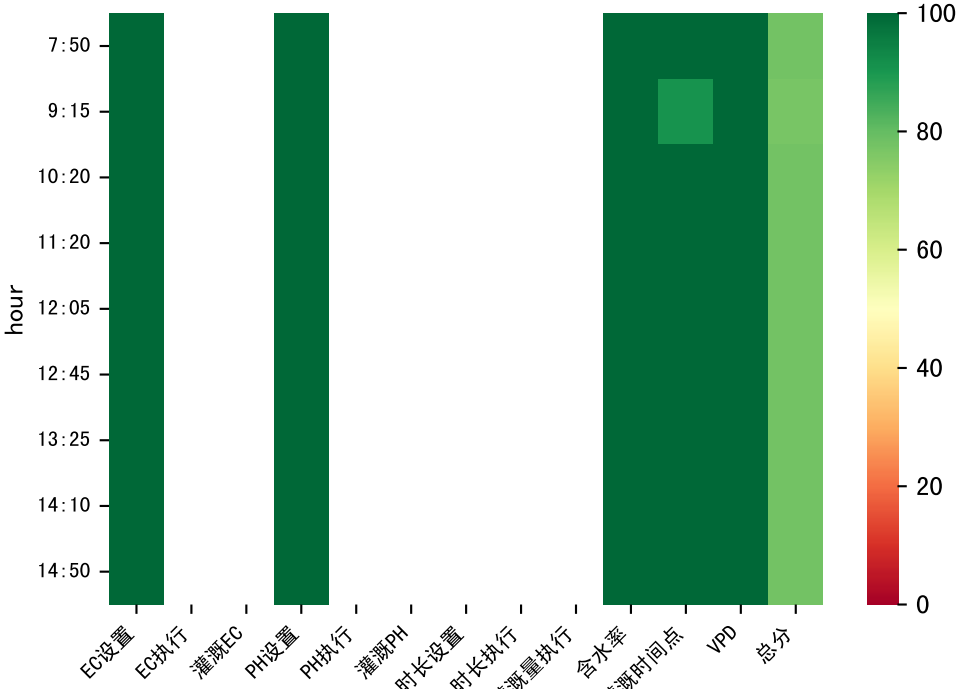



hour
7:45
8:55
10:15
11:05
11:50
12:35
13:20
14:05
15:05
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
07:45	147	22.0	0.485	晴	预期@07:45 自主（未用传感器）
08:55	147	22.0	0.485	晴	预期@08:55 自主（未用传感器）
10:15	147	22.0	0.485	多云	预期@10:15 自主（未用传感器）
11:05	147	22.0	0.485	小雨	预期@11:05 自主（未用传感器）
11:50	147	22.0	0.485	小雨	预期@11:50 自主（未用传感器）
12:35	147	22.0	0.485	多云	预期@12:35 自主（未用传感器）
13:20	147	22.0	0.485	多云	预期@13:20 自主（未用传感器）
14:05	147	22.0	0.485	小雨	预期@14:05 自主（未用传感器）
15:05	147	22.0	0.485	多云	预期@15:05 自主（未用传感器）
总计	1323.0 (9次)	198.0			建议进液EC：1700， PH：6.0

P1_0, Day=174 (2026-03-17)

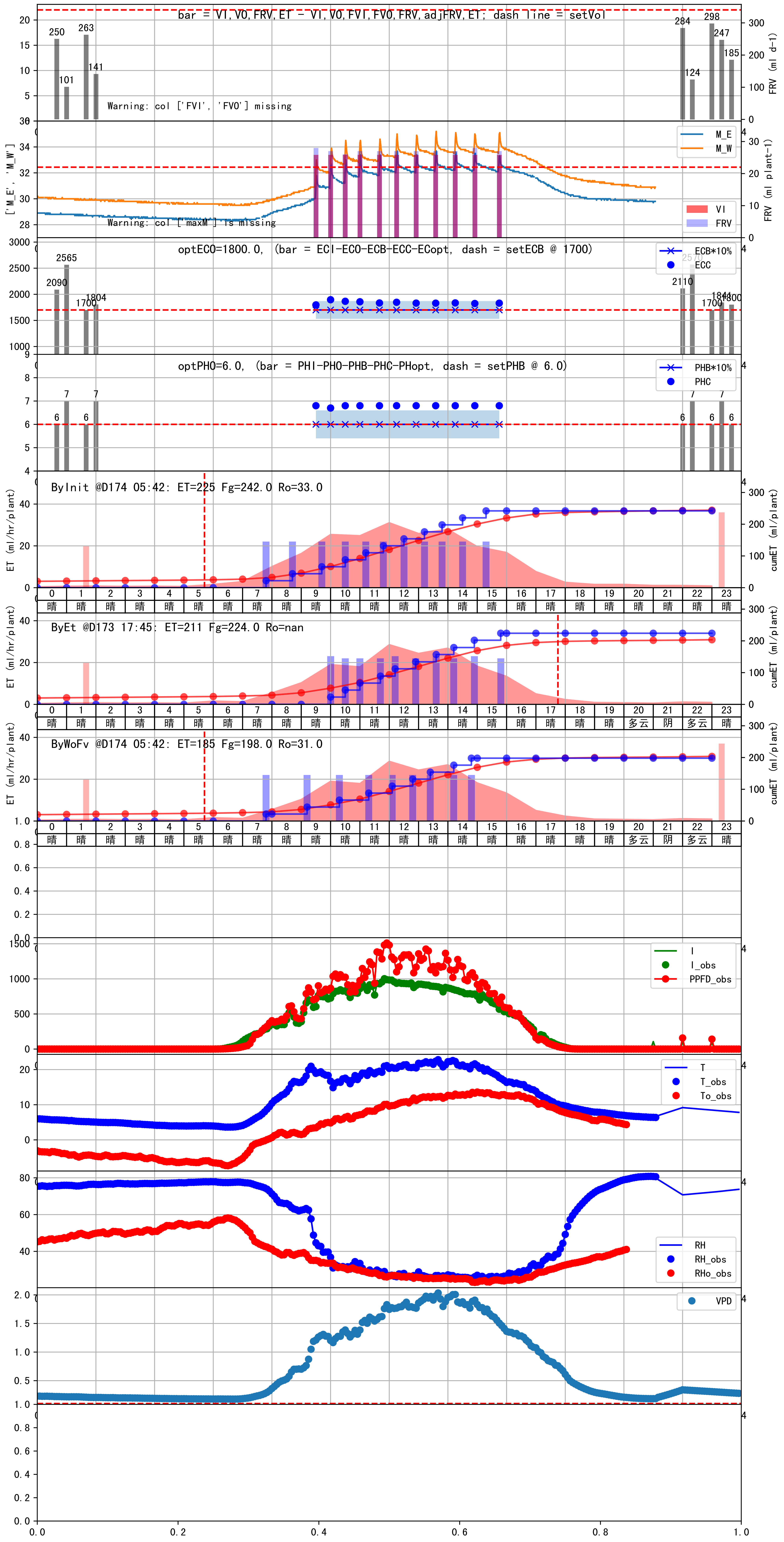


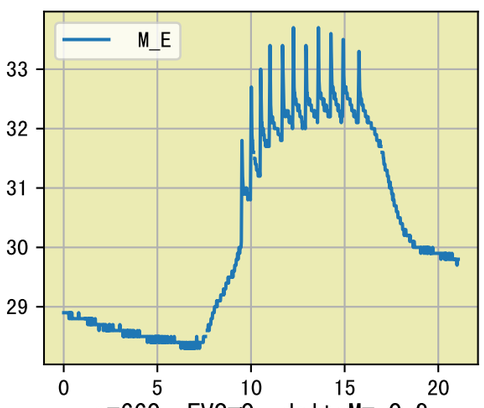

hour
7:50
9:15
10:20
11:20
12:05
12:45
13:25
14:10
14:50
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

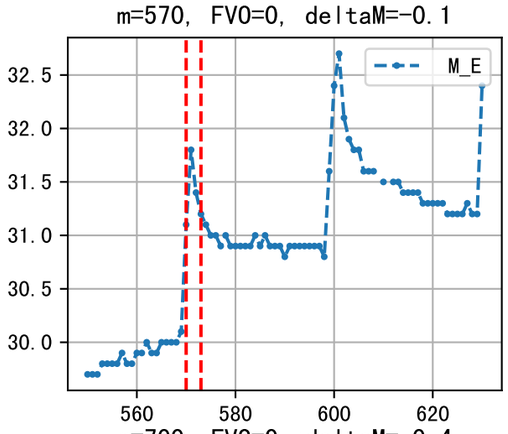
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
07:50	154	22.0	0.485	晴	假设@07:50 自动（未用传感器）
09:15	154	22.0	0.485	晴	假设@09:15 自动（未用传感器）
10:20	154	22.0	0.485	晴	假设@10:20 自动（未用传感器）
11:20	154	22.0	0.485	晴	假设@11:20 自动（未用传感器）
12:05	154	22.0	0.485	晴	假设@12:05 自动（未用传感器）
12:45	154	22.0	0.485	晴	假设@12:45 自动（未用传感器）
13:25	154	22.0	0.485	晴	假设@13:25 自动（未用传感器）
14:10	154	22.0	0.485	晴	假设@14:10 自动（未用传感器）
14:50	154	22.0	0.485	晴	假设@14:50 自动（未用传感器）
总计	1386.0 (9次)	198.0			建议进液EC：1700， PH：6.0

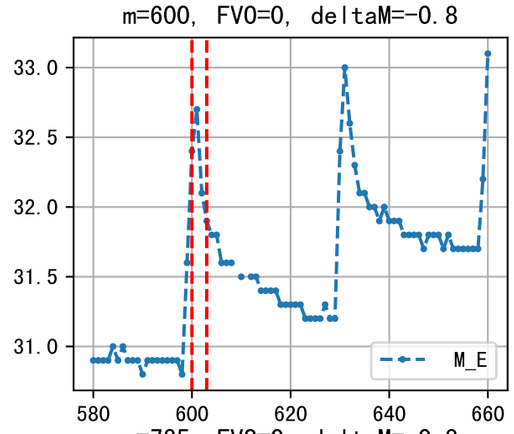
滴头平均流速偏小（0.18 vs def 0.5），请检查
施肥机灌溉量与预期值不符 (27.0 : 22.0)，可能由于一阀多区不均匀
默认实际灌溉22.0 ml.

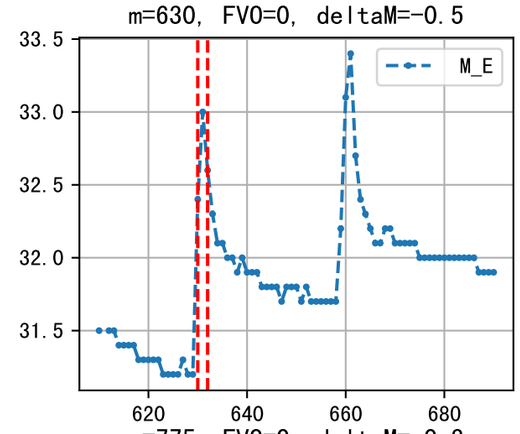
P1_0, Day=173.0 (2026-03-16)

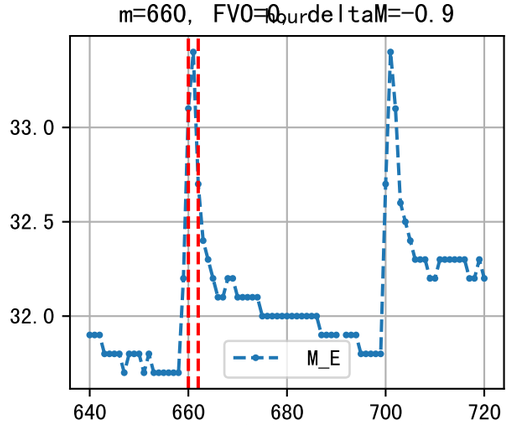


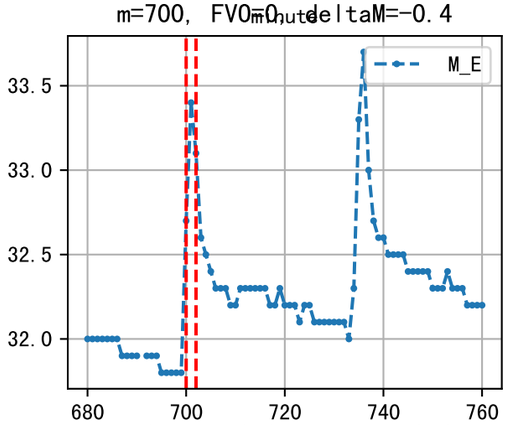

M_E
hour

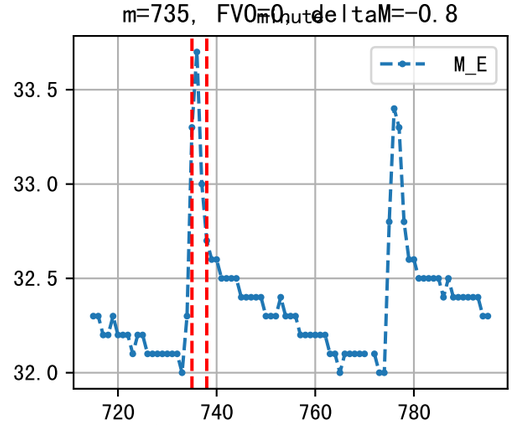

m=570, FV0=0, deltaM=-0.1
M_E
minute

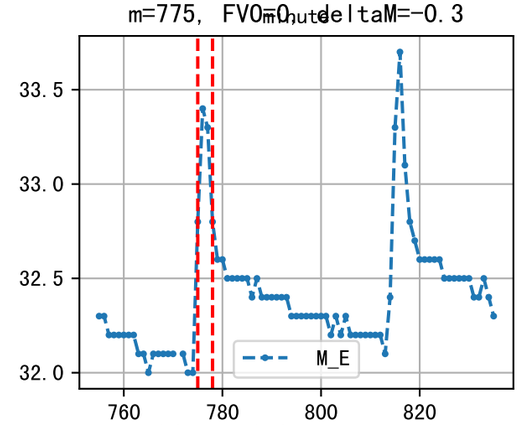

m=600, FV0=0, deltaM=-0.8
M_E
minute

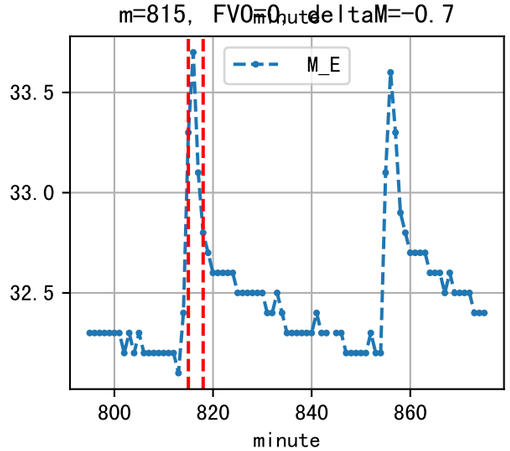

m=630, FV0=0, deltaM=-0.5
M_E
minute

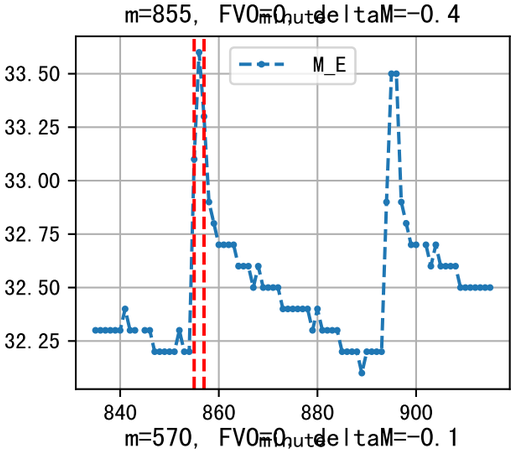

m=660, FV0=0, deltaM=-0.9
M_E
minute

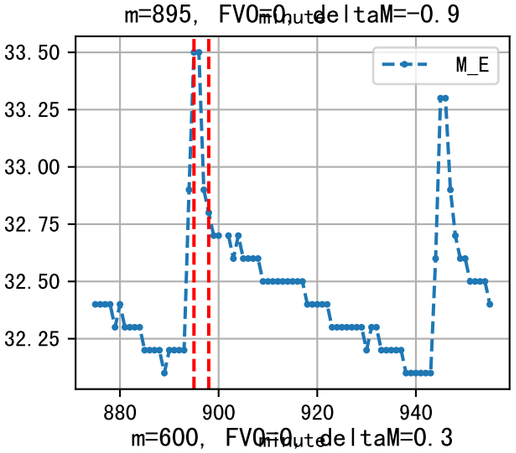

m=700, FV0=0, deltaM=-0.4
M_E
minute

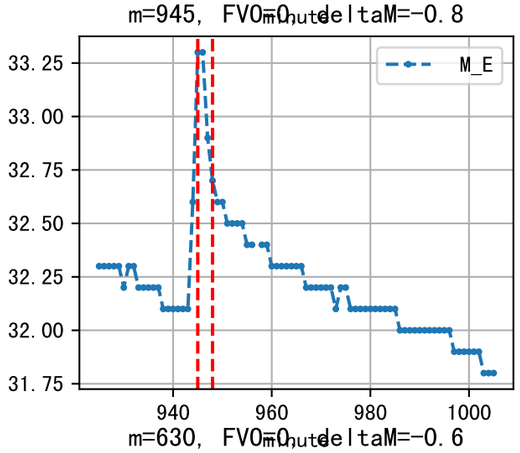

m=735, FV0=0, deltaM=-0.8
M_E
minute


m=775, FV0=0, deltaM=-0.3
M_E
minute


m=815, FV0=0, deltaM=-0.7
M_E
minute


m=855, FV0=0, deltaM=-0.4
M_E
minute


m=895, FV0=0, deltaM=-0.9
M_E
minute

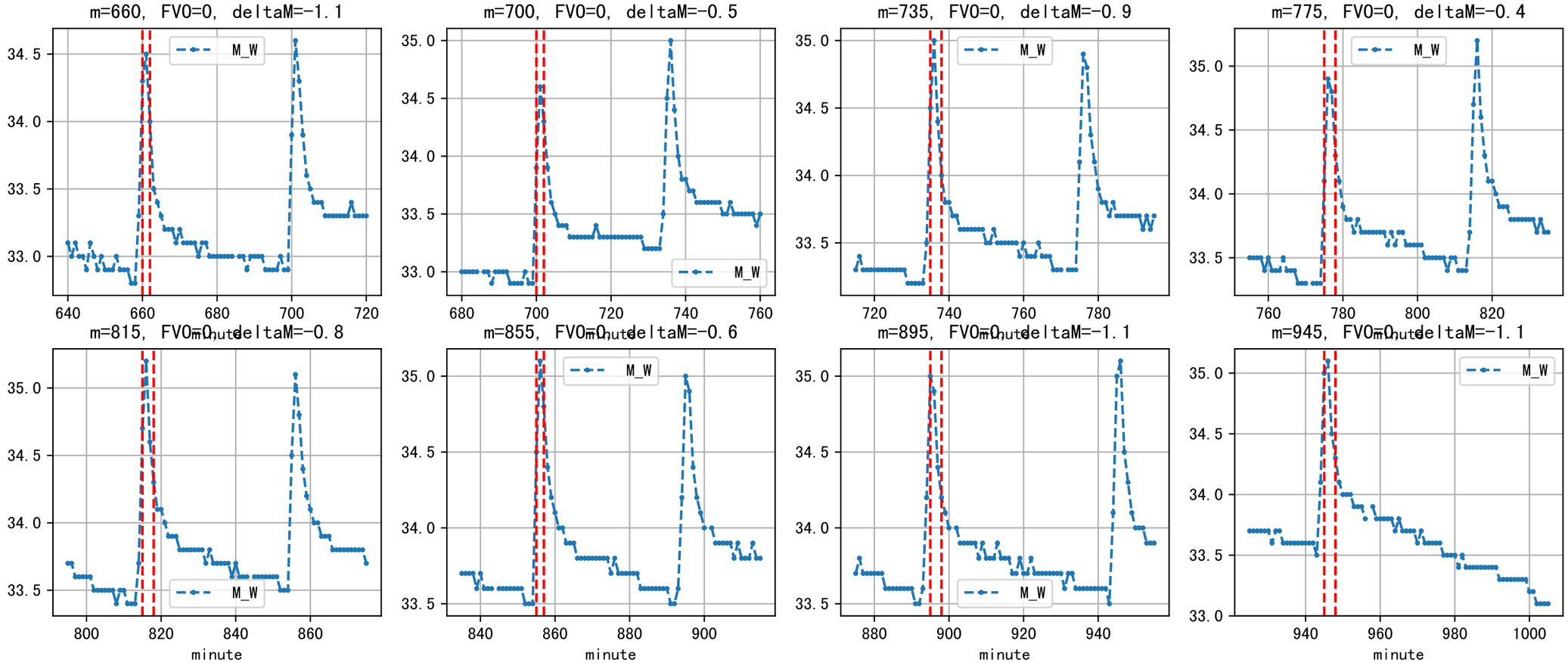

m=945, FV0=0, deltaM=-0.8
M_E
minute

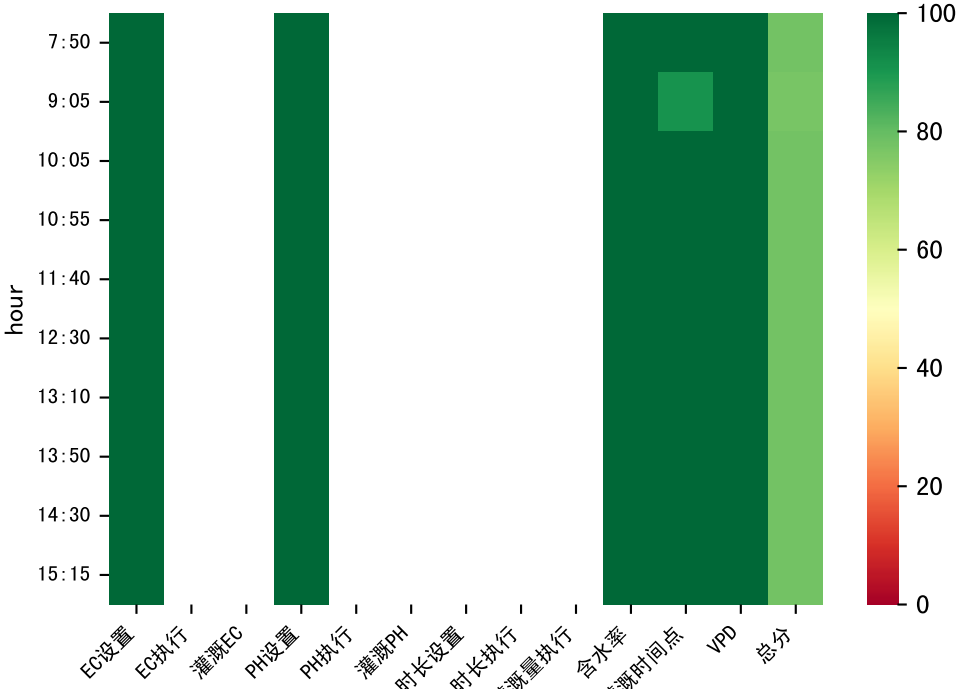
M_W
hour

m=570, FV0=0, deltaM=-0.1
M_W
minute

m=600, FV0=0, deltaM=0.3
M_W
minute

m=630, FV0=0, deltaM=-0.6
M_W
minute

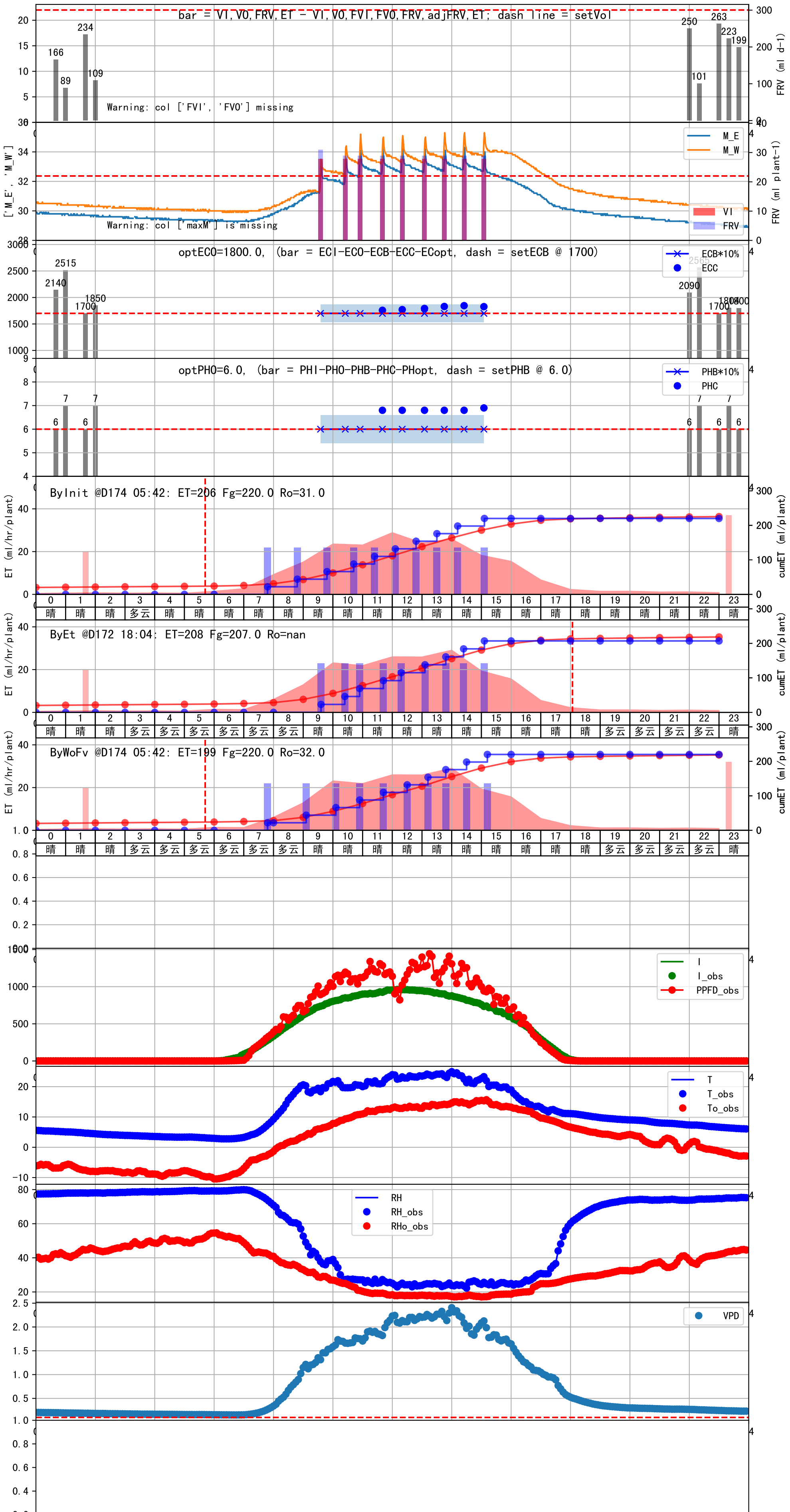

m=660, FVO=0, deltaM=-1.1
m=700, FVO=0, deltaM=-0.5
m=735, FVO=0, deltaM=-0.9
m=775, FVO=0, deltaM=-0.4
m=815, FVO=0, deltaM=-0.8
m=855, FVO=0, deltaM=-0.6
m=895, FVO=0, deltaM=-1.1
m=945, FVO=0, deltaM=-1.1
M_W
minute

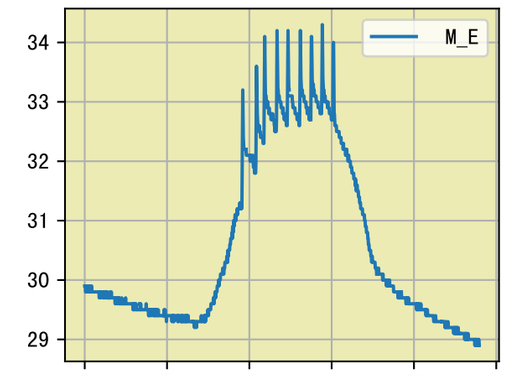

hour
7:50
9:05
10:05
10:55
11:40
12:30
13:10
13:50
14:30
15:15
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
含水率
VPD
总分
100
80
60
40
20
0

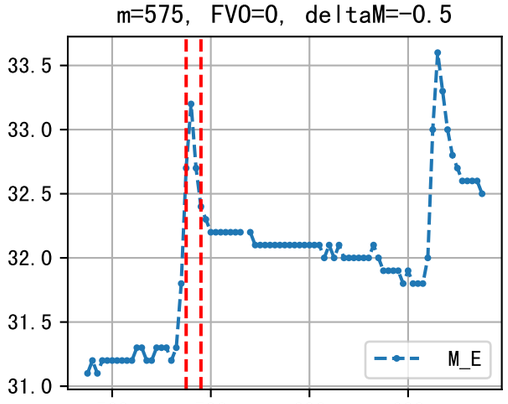
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
07:50	165	22.0	0.485	多云	假设@07:50 自动（未用传感器）
09:05	165	22.0	0.485	晴	假设@09:05 自动（未用传感器）
10:05	165	22.0	0.485	晴	假设@10:05 自动（未用传感器）
10:55	165	22.0	0.485	晴	假设@10:55 自动（未用传感器）
11:40	165	22.0	0.485	晴	假设@11:40 自动（未用传感器）
12:30	165	22.0	0.485	晴	假设@12:30 自动（未用传感器）
13:10	165	22.0	0.485	晴	假设@13:10 自动（未用传感器）
13:50	165	22.0	0.485	晴	假设@13:50 自动（未用传感器）
14:30	165	22.0	0.485	晴	假设@14:30 自动（未用传感器）
15:15	165	22.0	0.485	晴	假设@15:15 自动（未用传感器）
总计	1650.0 (10次)	220.0			建议进液EC：1700， PH：6.0

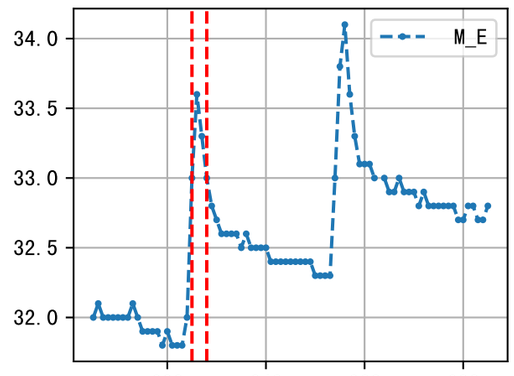
滴头平均流速偏小（0.18 vs def 0.5），请检查
上次灌溉时长(166)与预期(147.0)不符, 可能由于多阀同灌按参考区灌溉
默认实际灌溉25.0 ml.

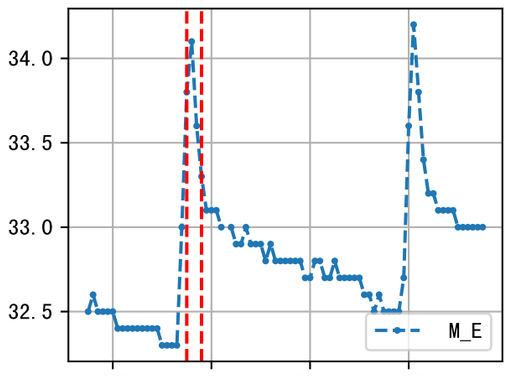
P1_0, Day=172.0 (2026-03-15)

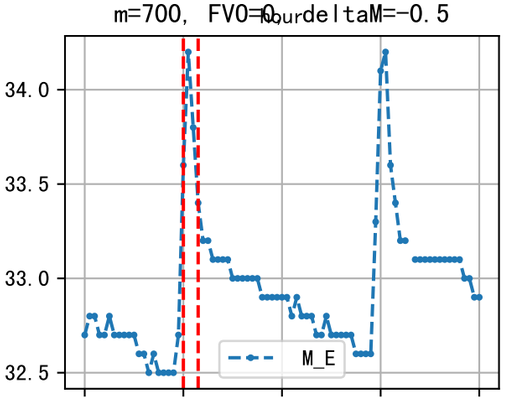


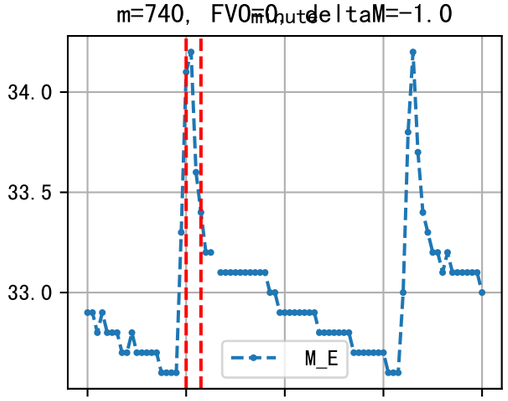

M_E
34
33
32
31
30
29
0
5
10
15
20
25

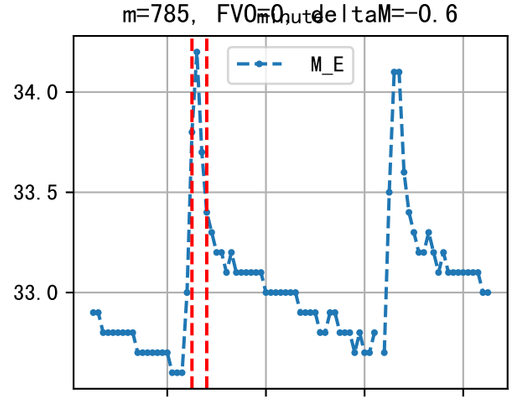

m=575, FV0=0, deltaM=-0.5
M_E
33.5
33.0
32.5
32.0
31.5
31.0
560
580
600
620

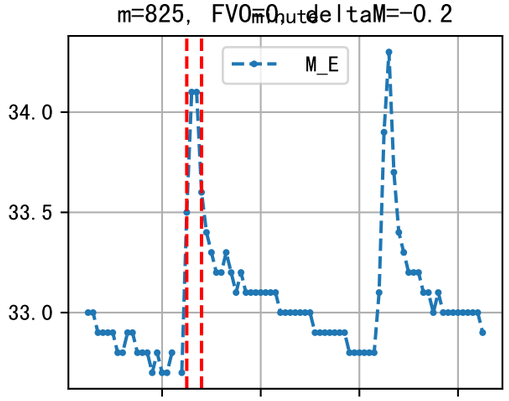

m=625, FV0=0, deltaM=-0.4
M_E
34.0
33.5
33.0
32.5
32.0
620
640
660
680

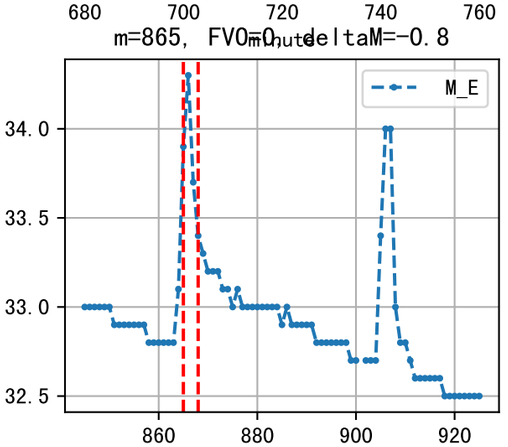

m=655, FV0=0, deltaM=nan
M_E
34.0
33.5
33.0
32.5
640
660
680
700

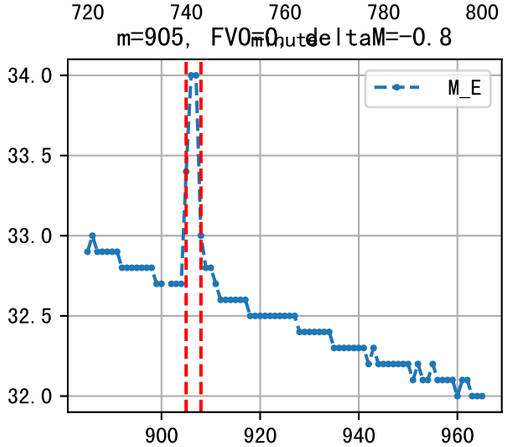

m=700, FV0=0, deltaM=-0.5
M_E
34.0
33.5
33.0
32.5
680
700
720
740
760

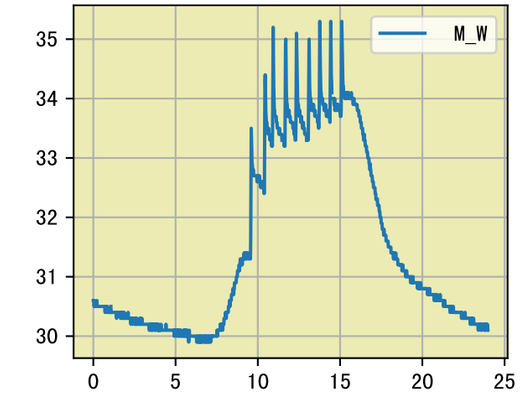

m=740, FV0=0, deltaM=-1.0
M_E
34.0
33.5
33.0
720
740
760
780
800

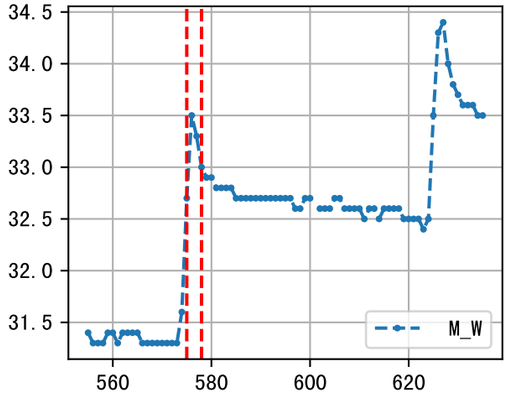

m=785, FV0=0, deltaM=-0.6
M_E
34.0
33.5
33.0
780
800
820
840
minute

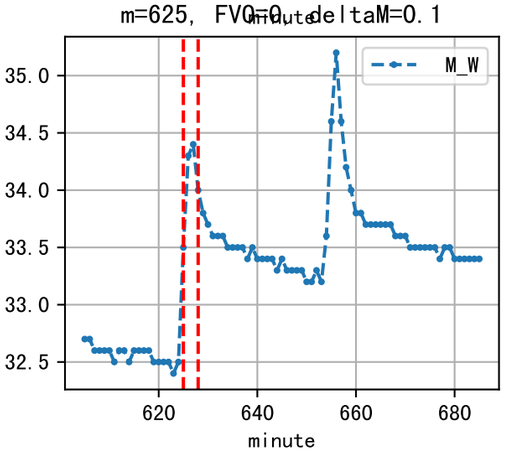

m=825, FV0=0, deltaM=-0.2
M_E
34.0
33.5
33.0
820
840
860
880

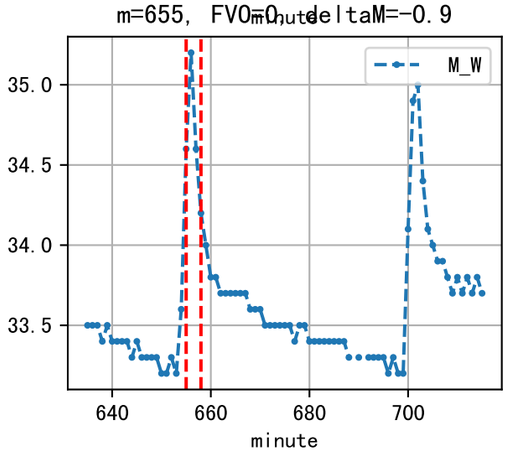

m=865, FV0=0, deltaM=-0.8
M_E
34.0
33.5
33.0
32.5
860
880
900
920

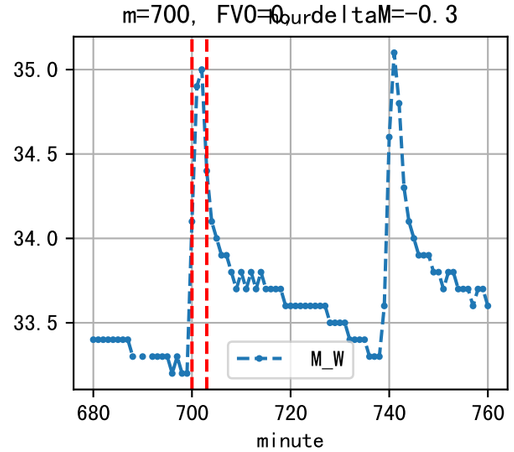

m=905, FV0=0, deltaM=-0.8
M_E
34.0
33.5
33.0
32.5
900
920
940
960

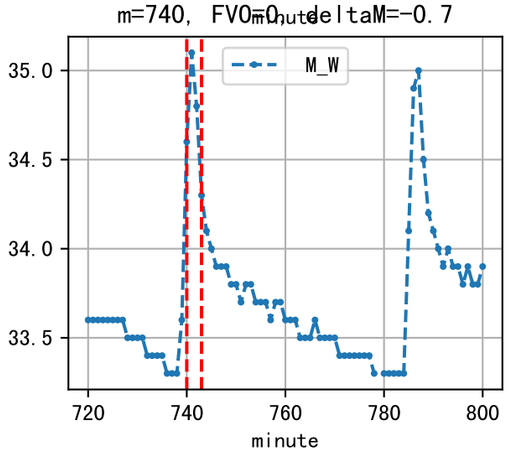

m=575, FV0=0, deltaM=0.1
M_W
35
34
33
32
31
30
0
5
10
15
20
25

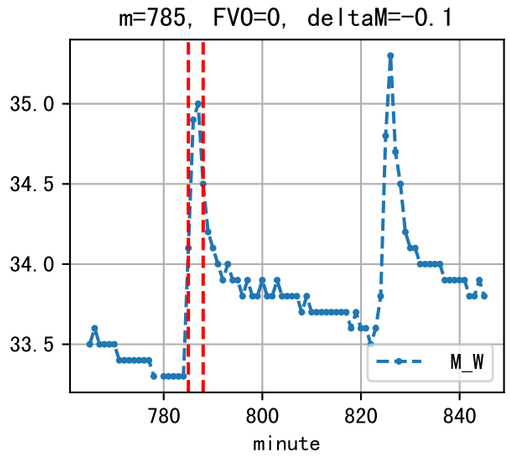

m=625, FV0=0, deltaM=0.1
M_W
34.5
34.0
33.5
33.0
32.5
31.5
560
580
600
620

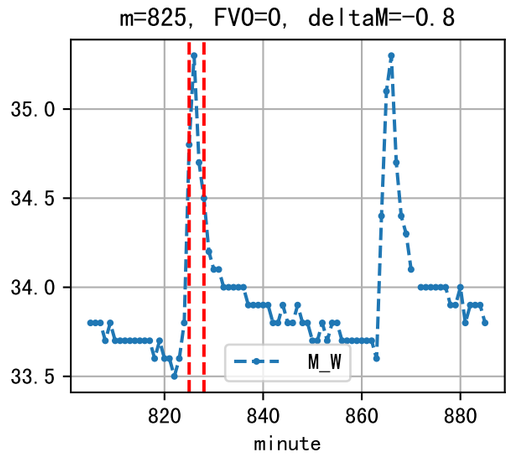

m=655, FV0=0, deltaM=-0.9
M_W
35.0
34.5
34.0
33.5
33.0
32.5
620
640
660
680
minute

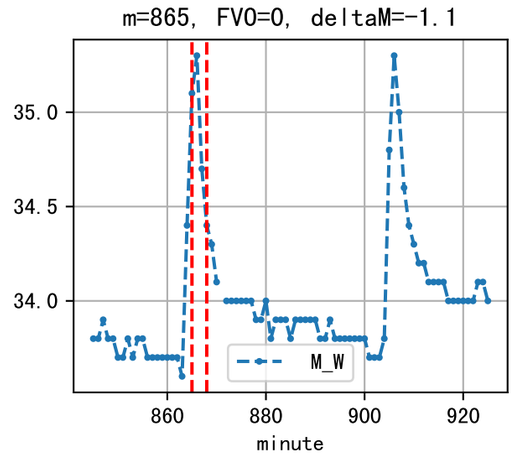

m=700, FV0=0, deltaM=-0.3
M_W
35.0
34.5
34.0
33.5
640
660
680
700
minute

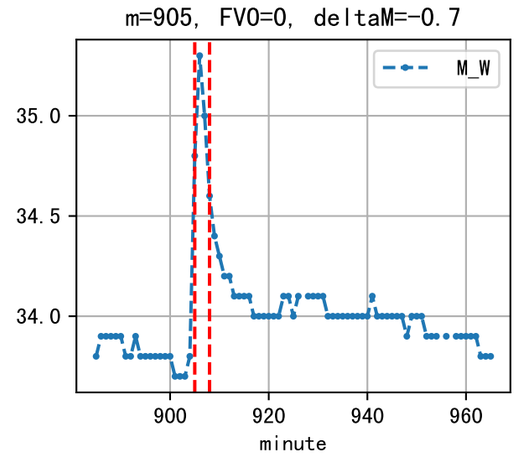

m=740, FV0=0, deltaM=-0.7
M_W
35.0
34.5
34.0
33.5
680
700
720
740
760
minute

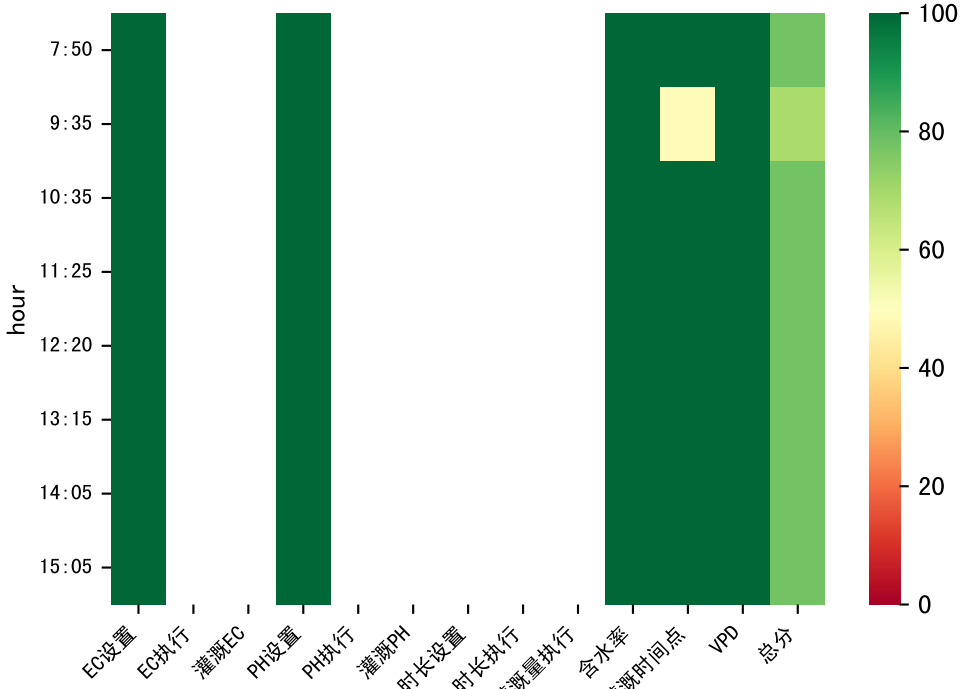

m=575, FV0=0, deltaM=0.1
M_W
35.0
34.5
34.0
33.5
720
740
760
780
800
minute


m=785, FVO=0, deltaM=-0.1
35.0
34.5
34.0
33.5
780
800
820
840
minute
M_W


m=825, FVO=0, deltaM=-0.8
35.0
34.5
34.0
33.5
820
840
860
880
minute
M_W


m=865, FVO=0, deltaM=-1.1
35.0
34.5
34.0
860
880
900
920
minute
M_W

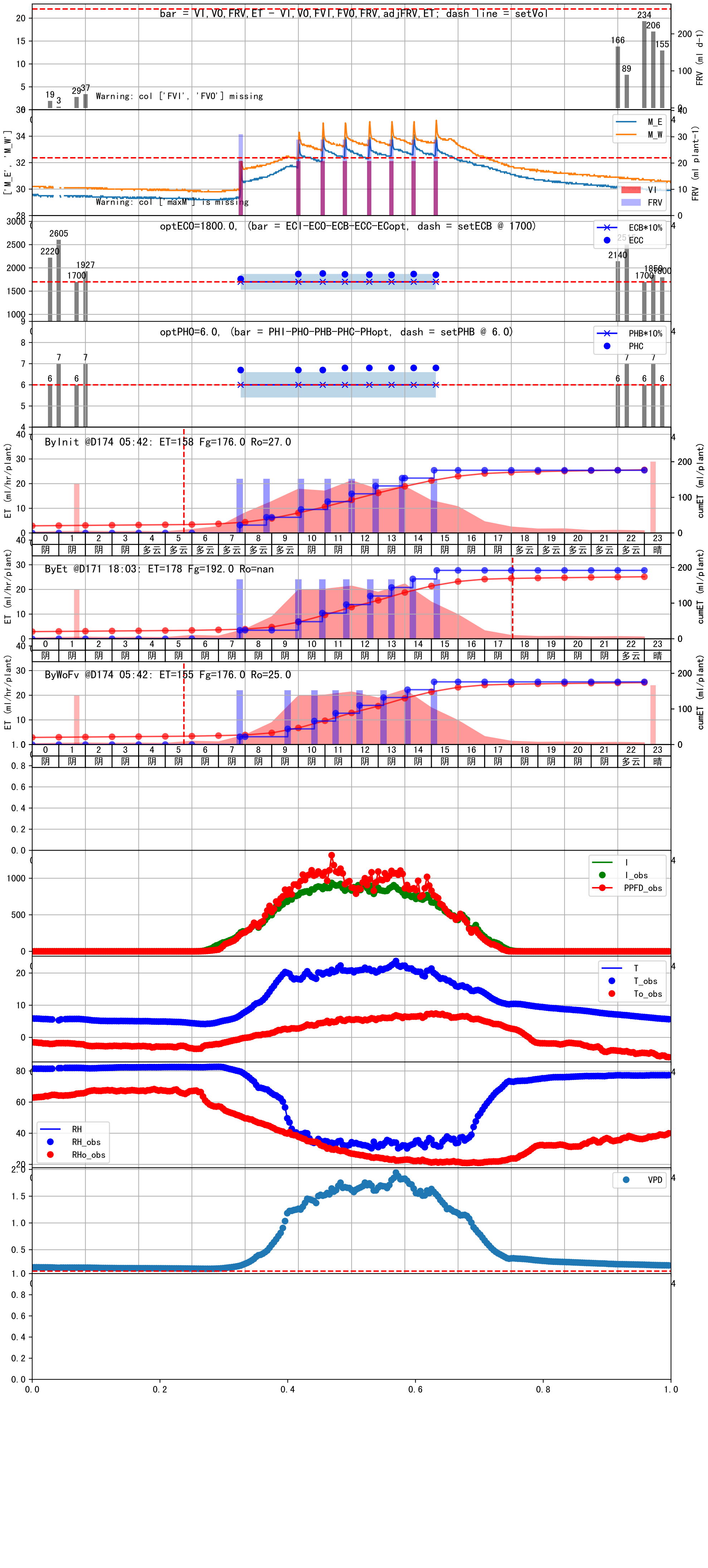

m=905, FVO=0, deltaM=-0.7
35.0
34.5
34.0
900
920
940
960
minute
M_W

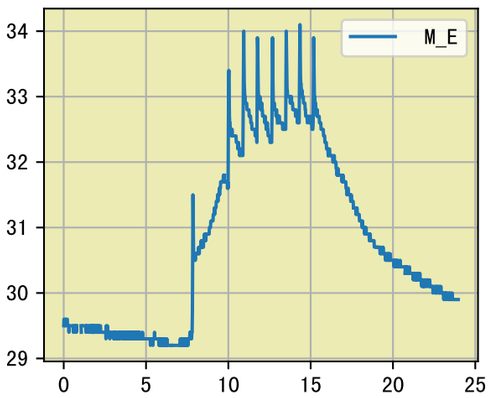

hour
7:50
9:35
10:35
11:25
12:20
13:15
14:05
15:05
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
含水率
VPD
总分
100
80
60
40
20
0

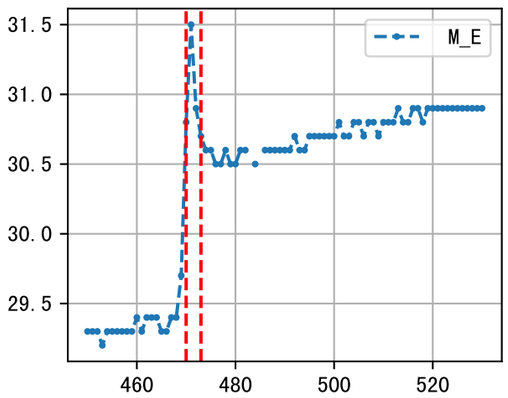
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
07:50	162	22.0	0.485	阴	假设@07:50 自动（未用传感器）
09:35	162	22.0	0.485	阴	假设@09:35 自动（未用传感器）
10:35	162	22.0	0.485	阴	假设@10:35 自动（未用传感器）
11:25	162	22.0	0.485	阴	假设@11:25 自动（未用传感器）
12:20	162	22.0	0.485	阴	假设@12:20 自动（未用传感器）
13:15	162	22.0	0.485	阴	假设@13:15 自动（未用传感器）
14:05	162	22.0	0.485	阴	假设@14:05 自动（未用传感器）
15:05	162	22.0	0.485	阴	假设@15:05 自动（未用传感器）
总计	1296.0 (8次)	176.0			建议进液EC：1700， PH：6.0

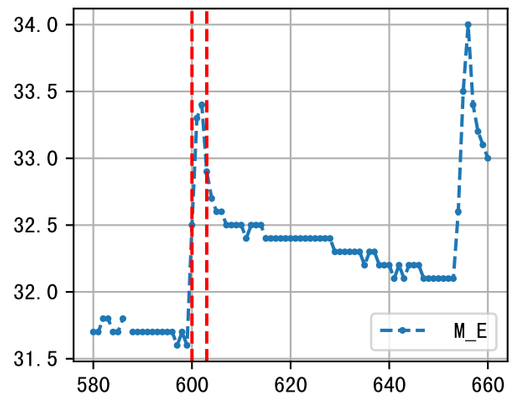
滴头平均流速偏小（0.18 vs def 0.5），请检查
上次灌溉时长(161)与预期(138.0)不符，可能由于多阀同灌按参考区灌溉
默认实际灌溉26.0 ml.

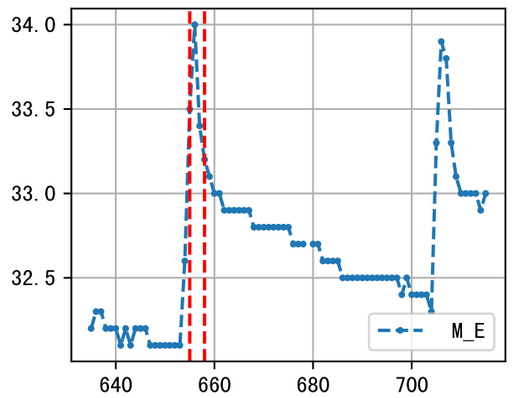
P1_0, Day=171.0 (2026-03-14)

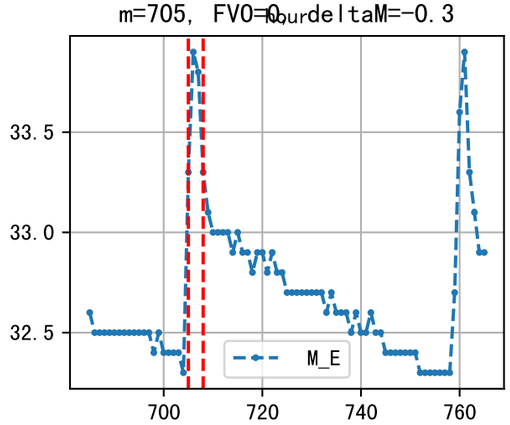


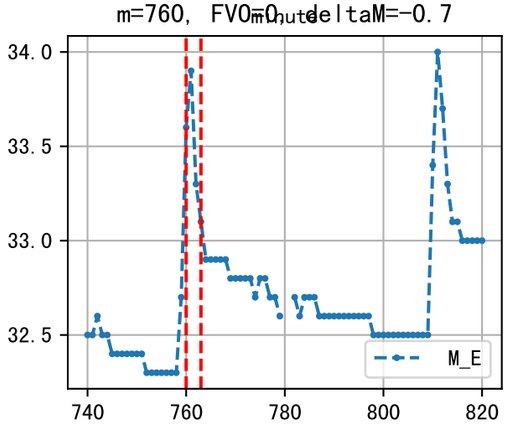

M_E

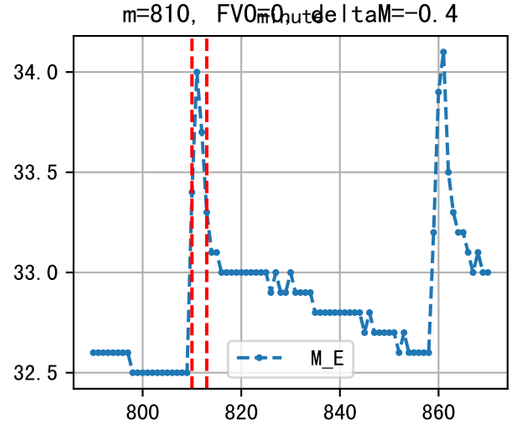

m=470, FV0=0, deltaM=-0.2
M_E

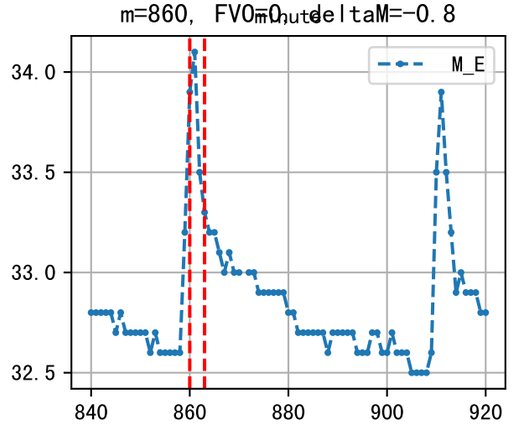

m=600, FV0=0, deltaM=0.0
M_E

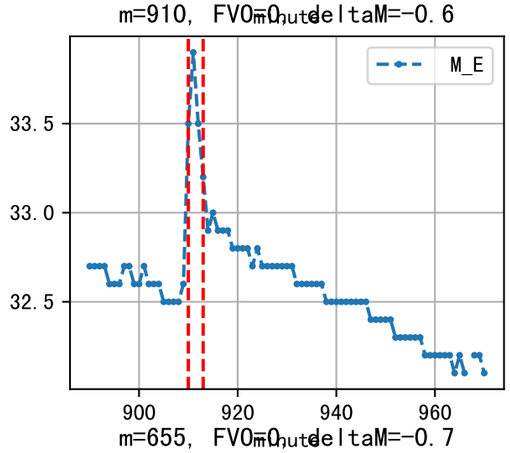

m=655, FV0=0, deltaM=-0.6
M_E

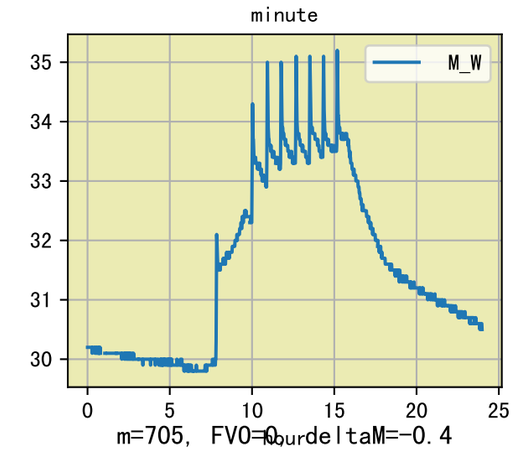

m=705, FV0=0, deltaM=-0.3
M_E

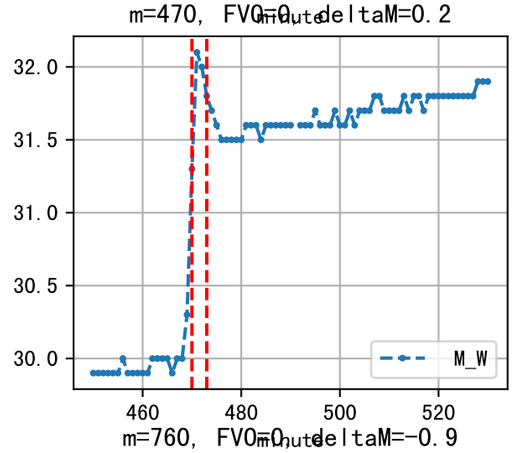

m=760, FV0=0, deltaM=-0.7
minute
M_E

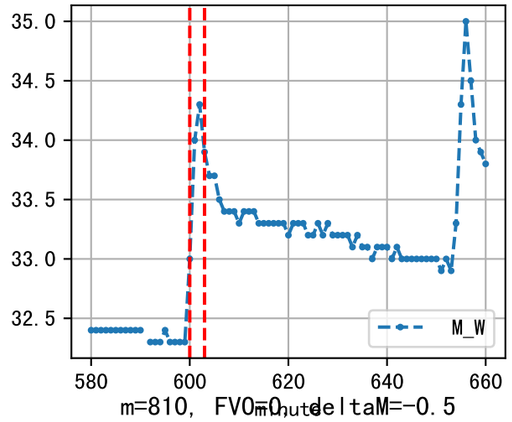

m=810, FV0=0, deltaM=-0.4
minute
M_E

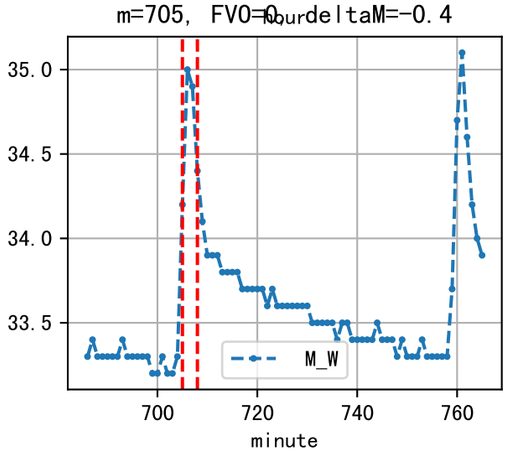

m=860, FV0=0, deltaM=-0.8
minute
M_E

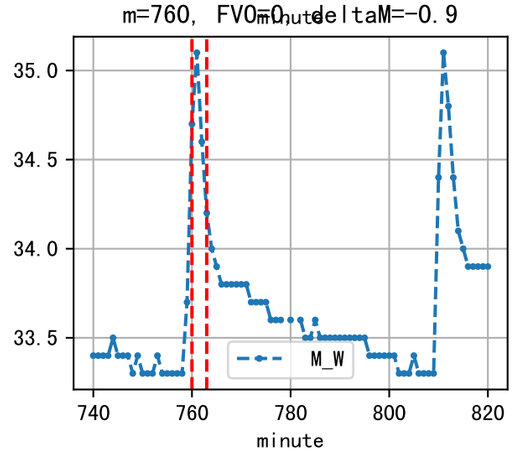

m=910, FV0=0, deltaM=-0.6
minute
M_E

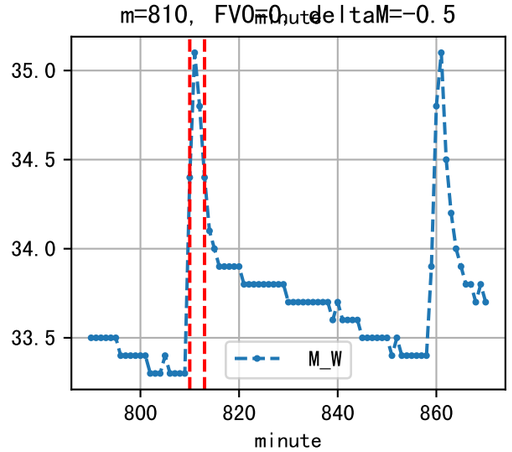

m=470, FV0=0, deltaM=0.2
minute
M_W

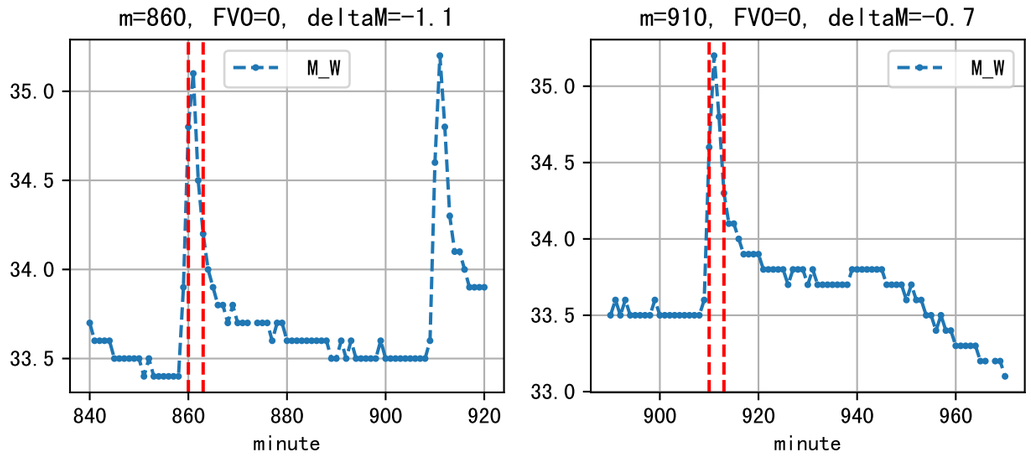

m=600, FV0=0, deltaM=0.4
minute
M_W


m=655, FV0=0, deltaM=-0.7
minute
M_W

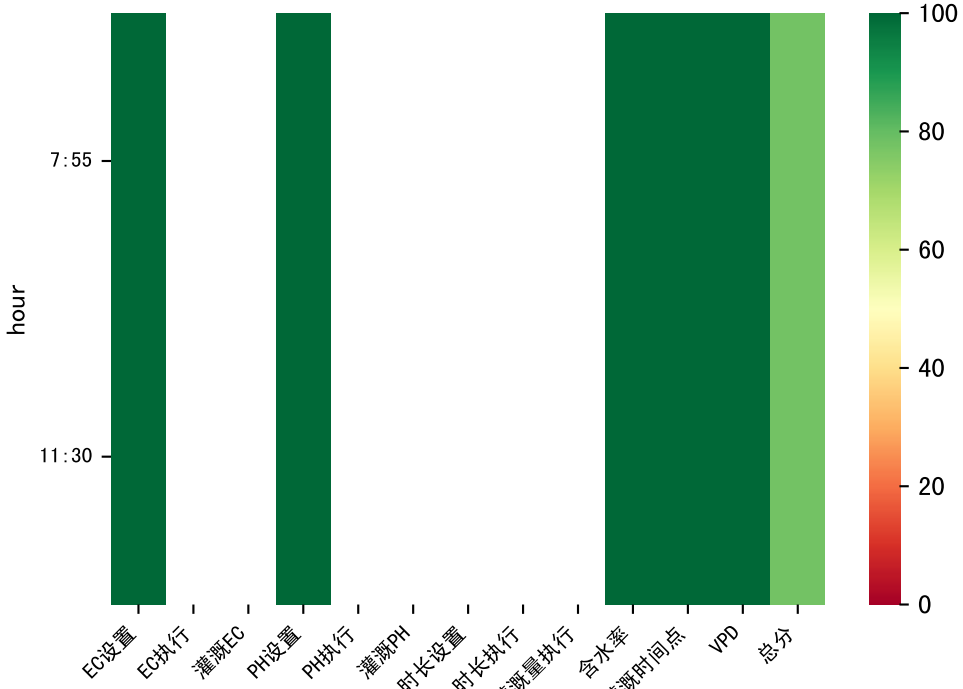

m=705, FV0=0, deltaM=-0.4
minute
M_W


m=760, FV0=0, deltaM=-0.9
minute
M_W


m=810, FV0=0, deltaM=-0.5
minute
M_W


m=860, FV0=0, deltaM=-1.1
M_W
35.0
34.5
34.0
33.5
840
860
880
900
920
minute

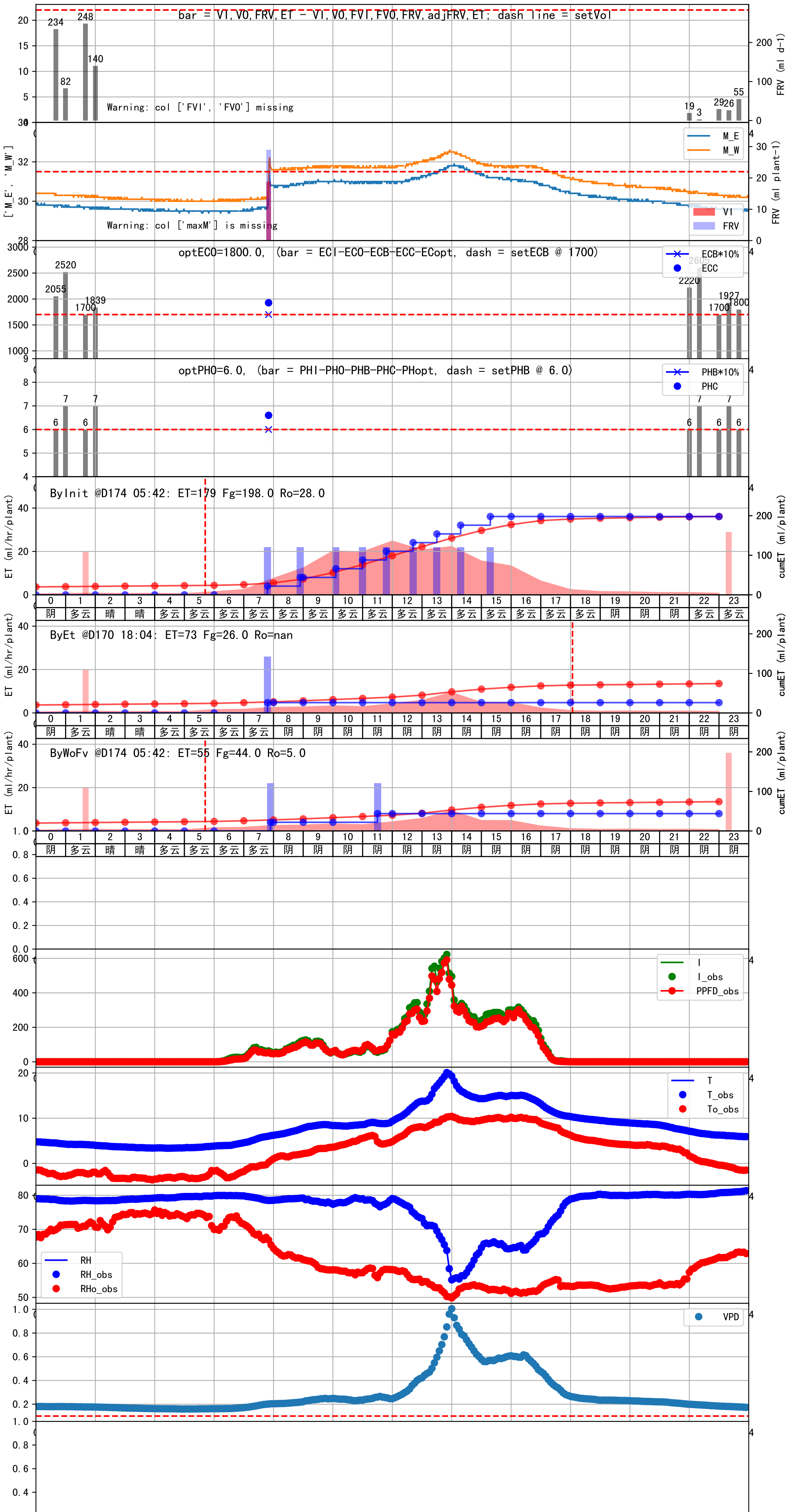
m=910, FV0=0, deltaM=-0.7
M_W
35.0
34.5
34.0
33.5
33.0
900
920
940
960
minute

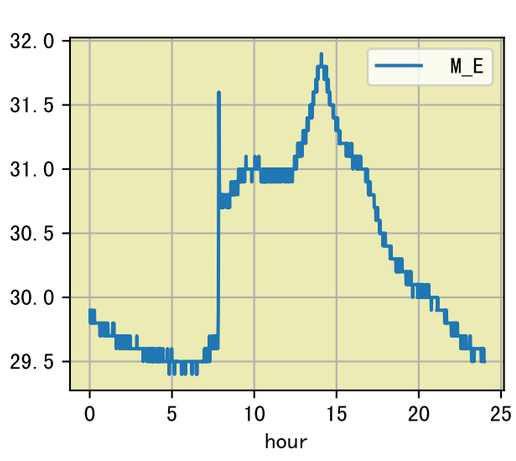

hour
7:55
11:30
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

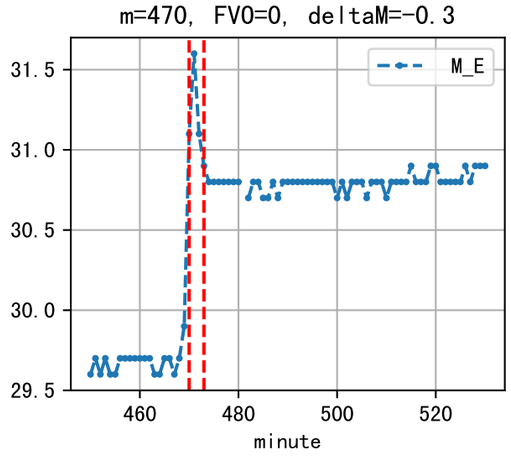
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
07:55	152	22.0	0.485	多云	假设@07:55 自动（未用传感器）
11:30	152	22.0	0.485	阴	假设@11:30 自动（未用传感器）
总计	304.0 (2次)	44.0			建议进液EC：1700， PH：6.0

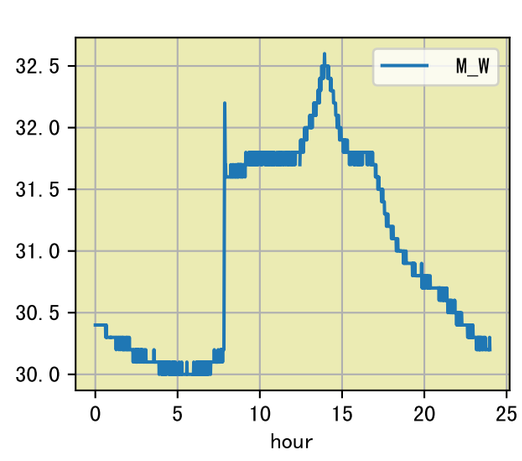
滴头平均流速偏小（0.18 vs def 0.5），请检查
上次灌溉时长(152)与预期(129.0)不符, 可能由于多阀同灌按参考区灌溉
默认实际灌溉26.0 ml.

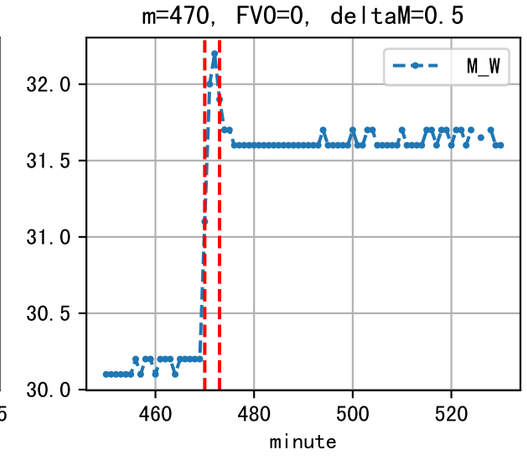
P1_0, Day=170.0 (2026-03-13)




M_E
32.0
31.5
31.0
30.5
30.0
29.5
0
5
10
15
20
25
hour


m=470, FV0=0, deltaM=-0.3
M_E
31.5
31.0
30.5
30.0
29.5
460
480
500
520
minute


M_W
32.5
32.0
31.5
31.0
30.5
30.0
0
5
10
15
20
25
hour


m=470, FV0=0, deltaM=0.5
M_W
32.0
31.5
31.0
30.5
30.0
460
480
500
520
minute