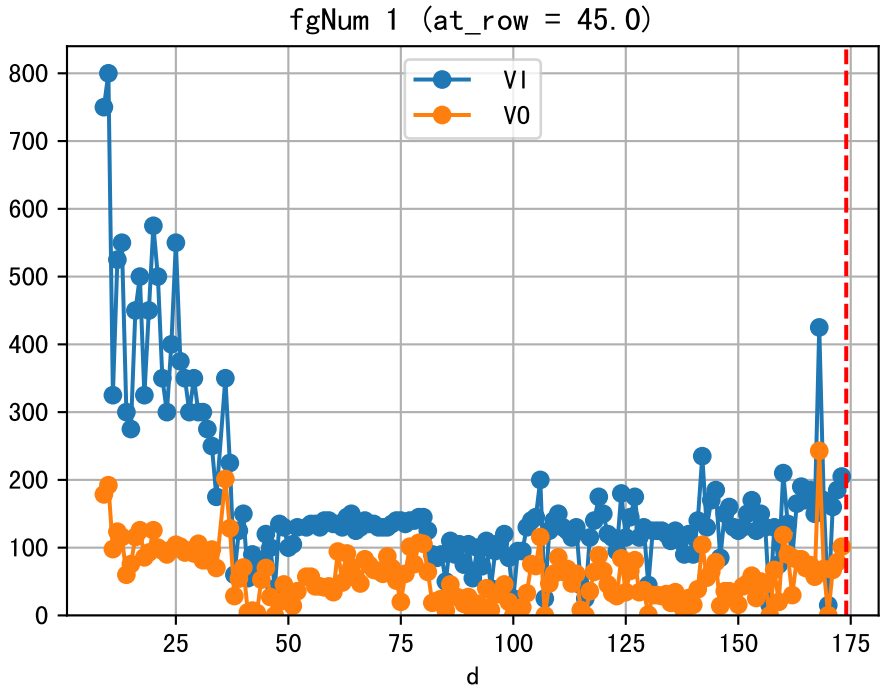
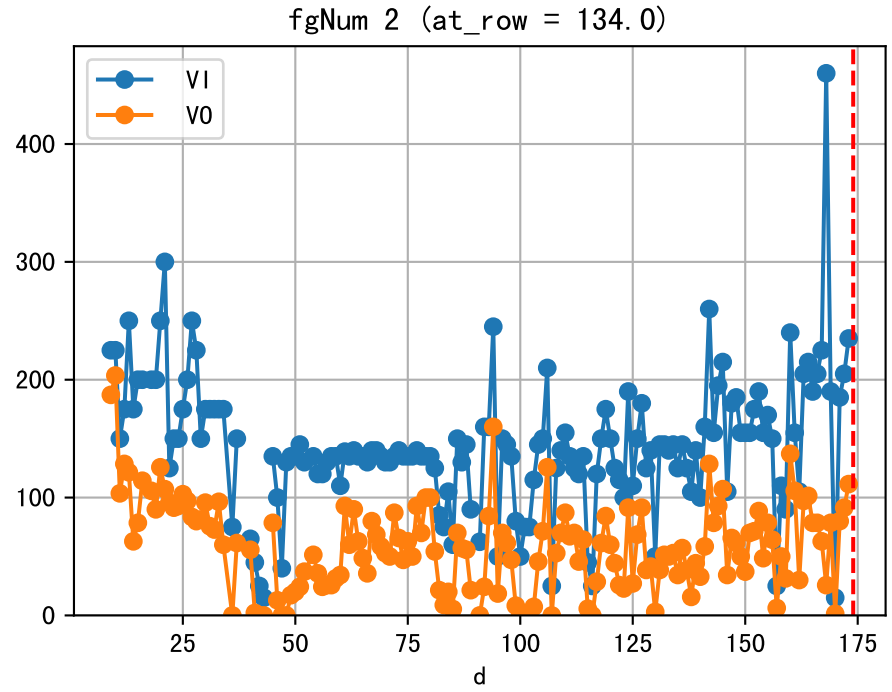
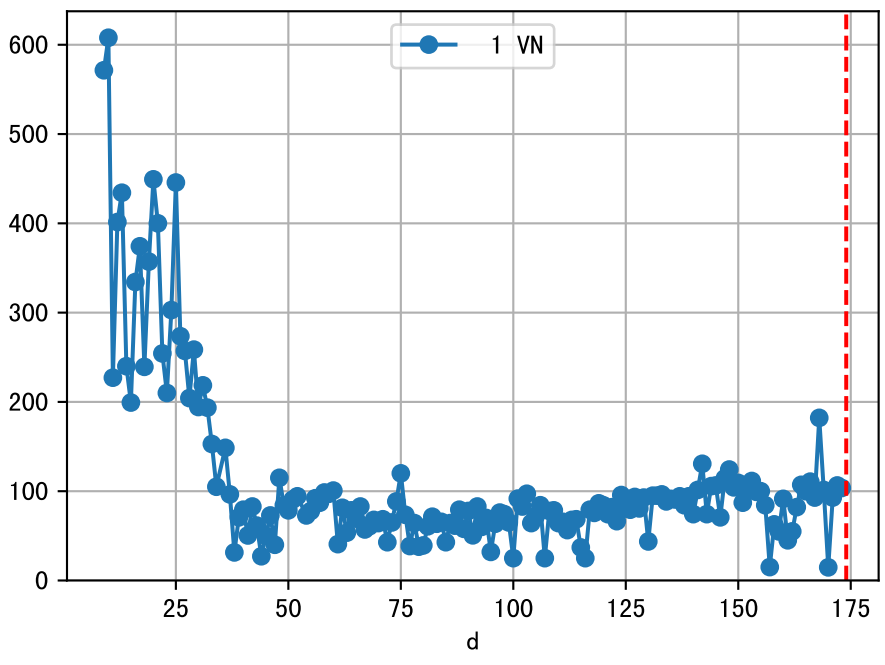
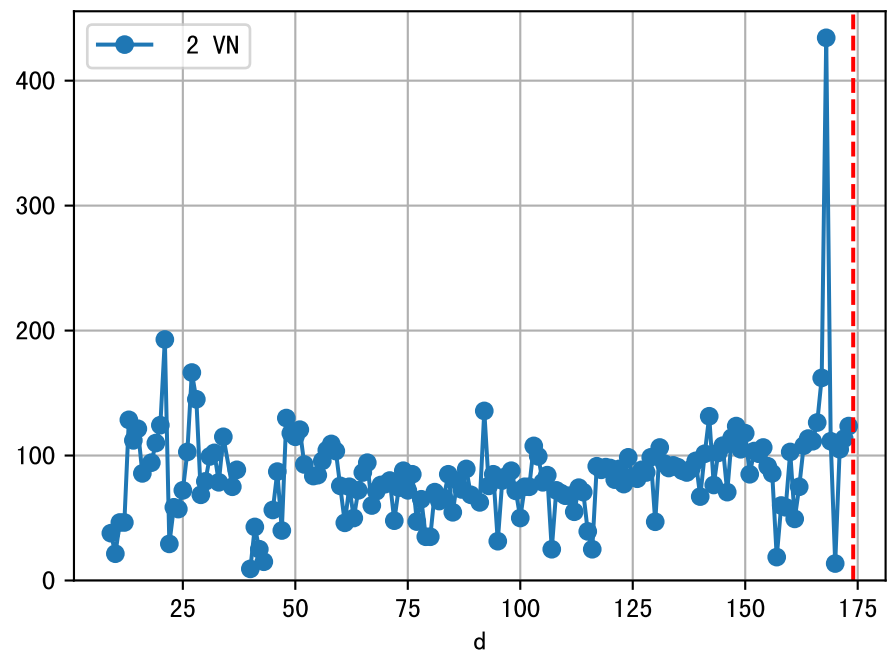
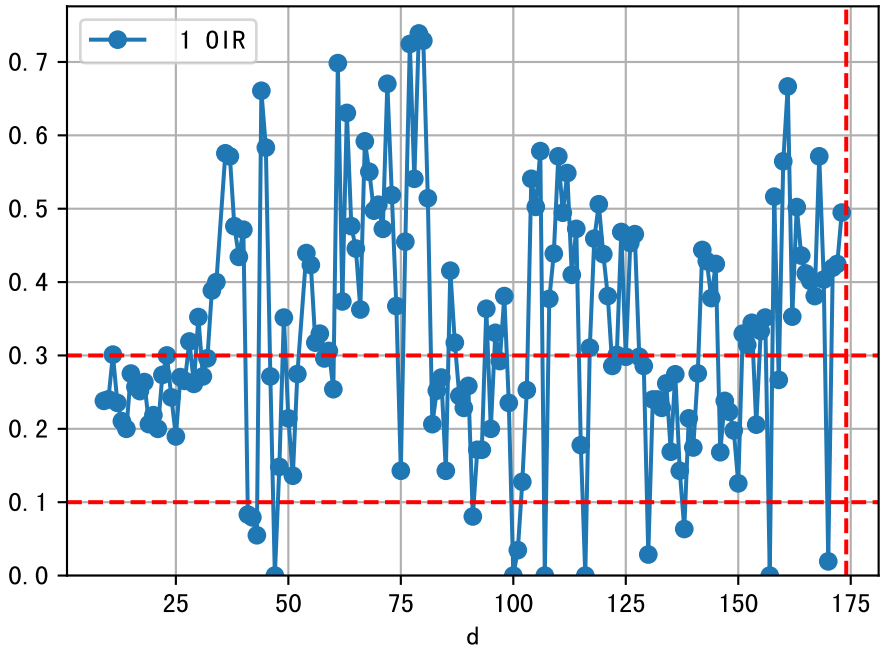
FgArea: ['0']
NC11 P2
2026-03-17 (Day 174)

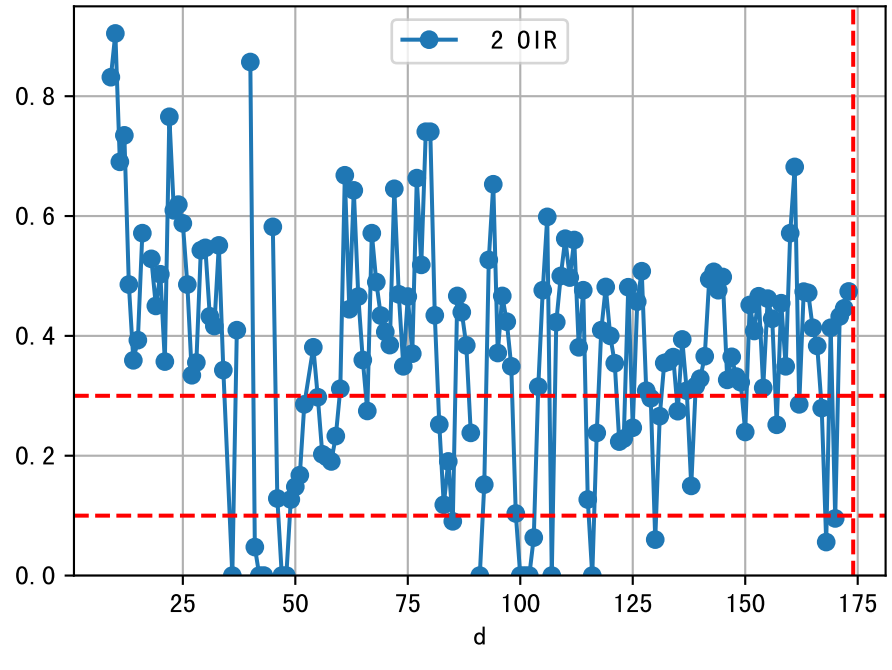

fgNum 1 (at_row = 45.0)
VI
VO
d

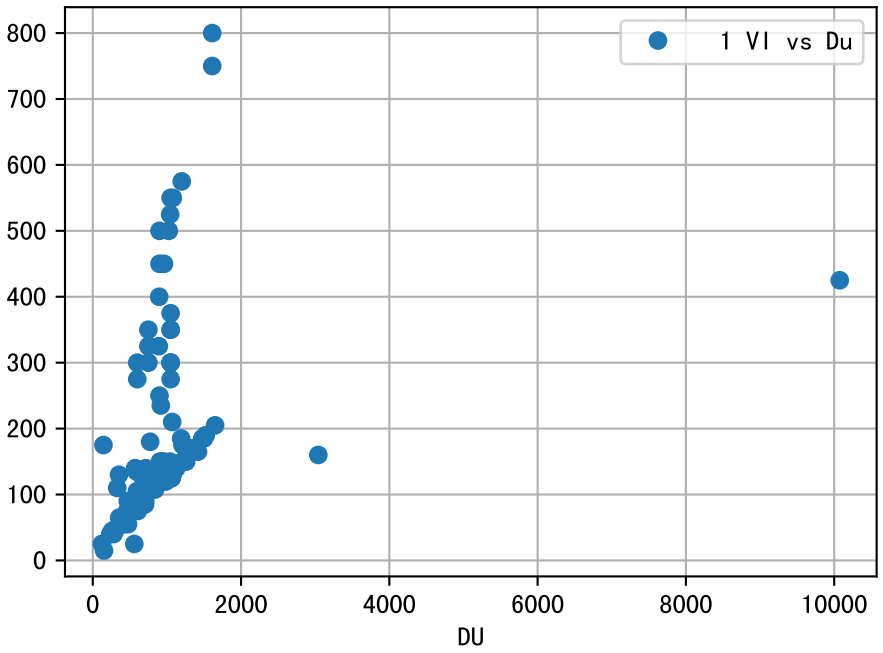

fgNum 2 (at_row = 134.0)
VI
VO
d

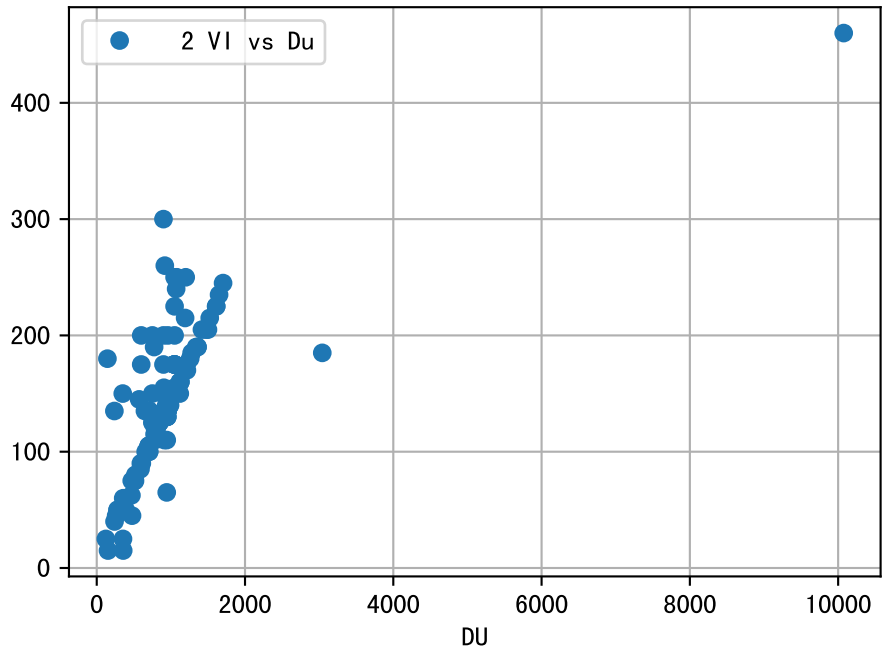

1 VN
d

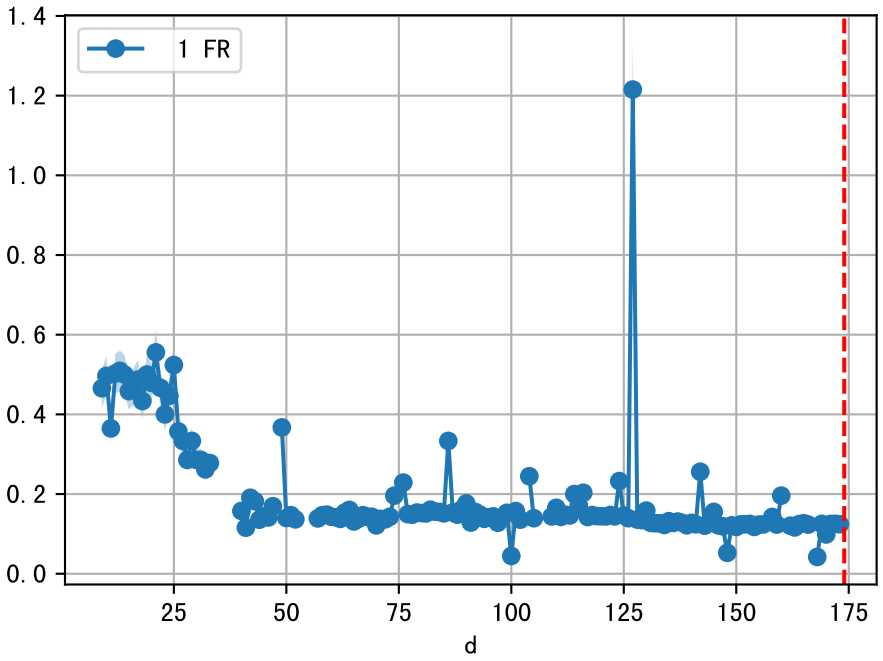

2 VN
d

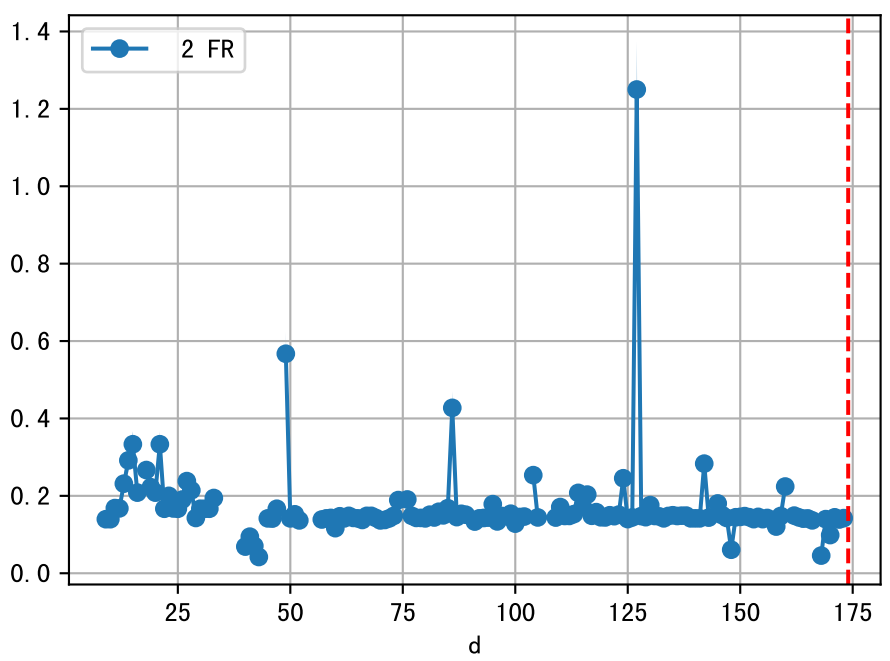

1 OIR
d

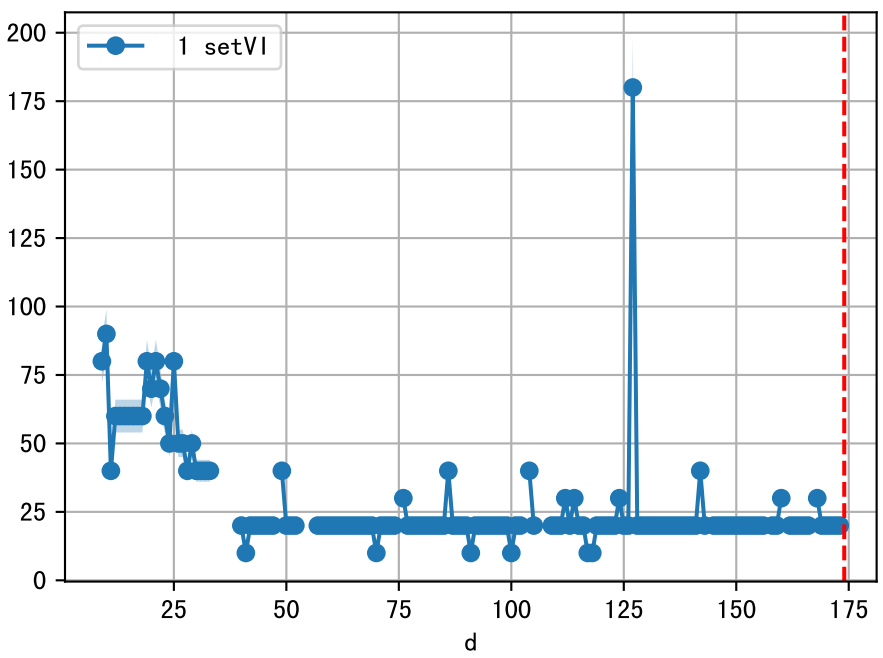

2 OIR
d

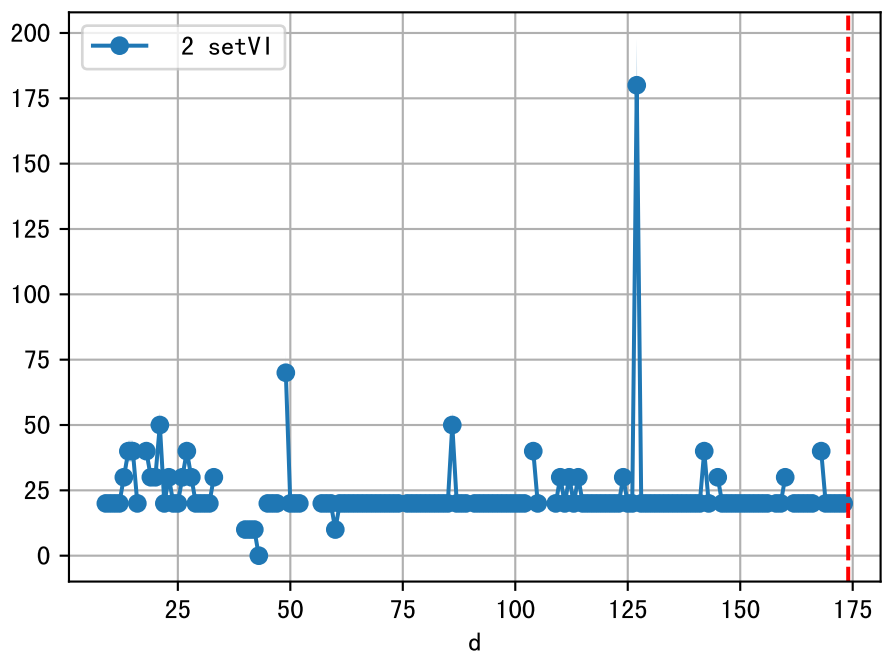

1 VI vs Du
800
700
600
500
400
300
200
100
0
0
2000
4000
6000
8000
10000
DU

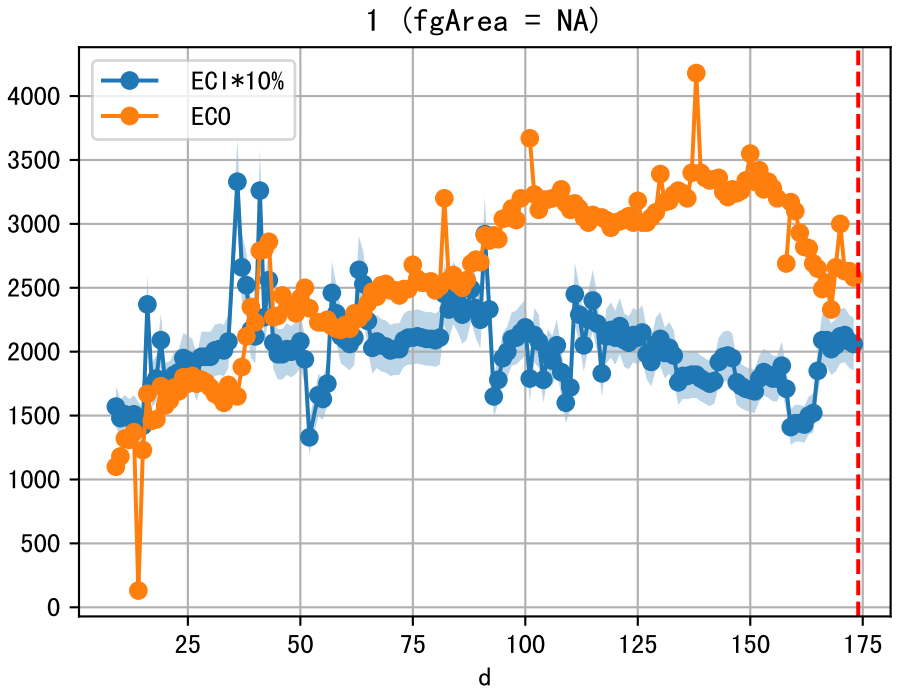

2 VI vs Du
400
300
200
100
0
0
2000
4000
6000
8000
10000
DU

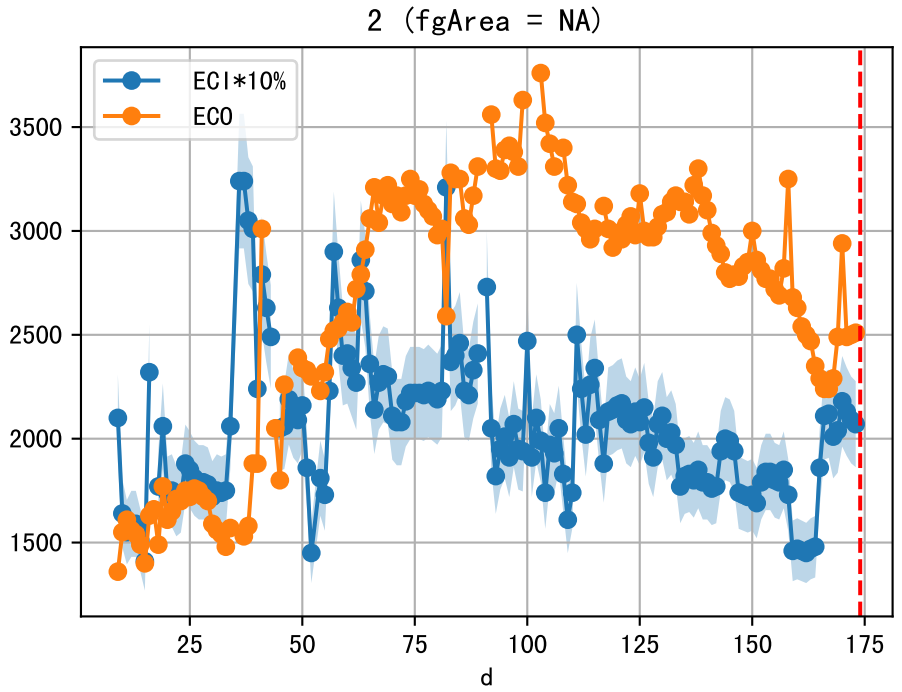

1 FR
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
25
50
75
100
125
150
175
d

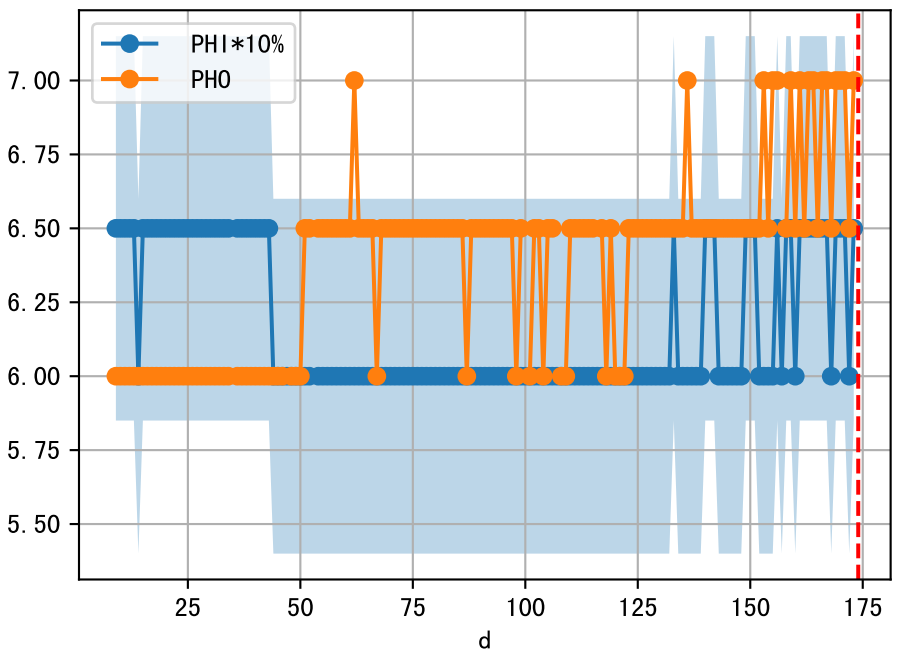

2 FR
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
25
50
75
100
125
150
175
d

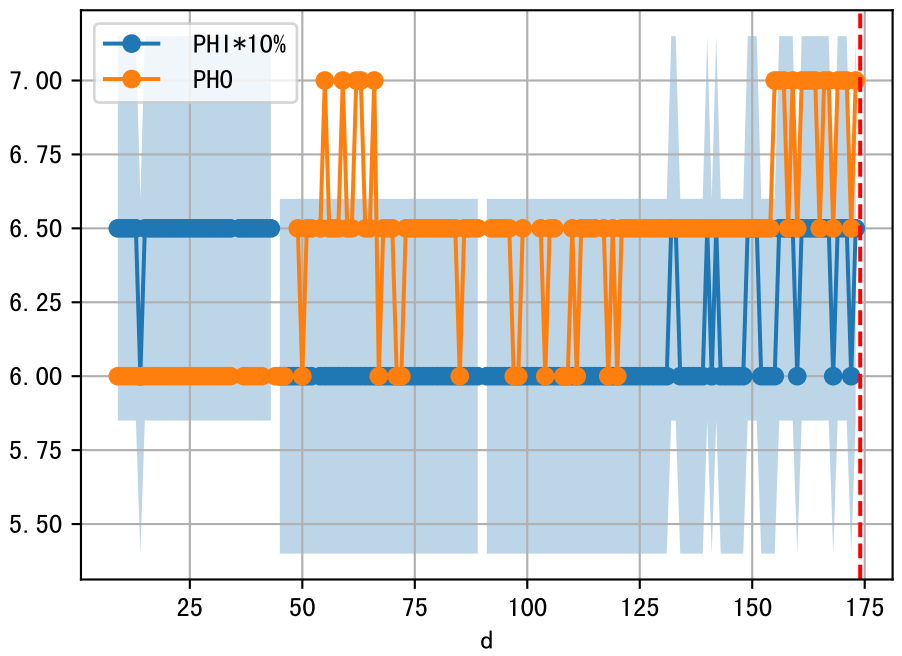

1 setVI
200
175
150
125
100
75
50
25
0
25
50
75
100
125
150
175
d

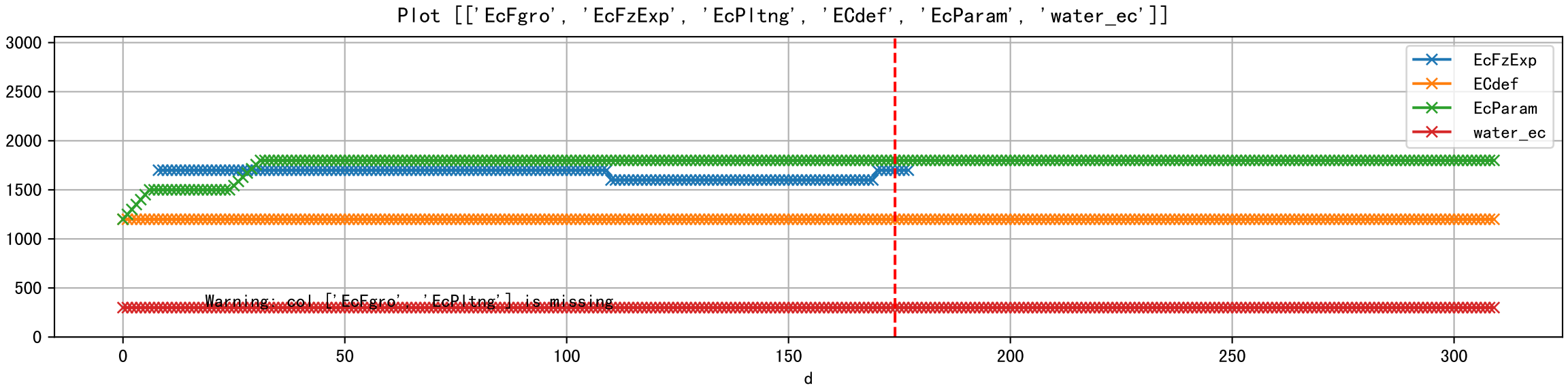

2 setVI
200
175
150
125
100
75
50
25
0
25
50
75
100
125
150
175
d

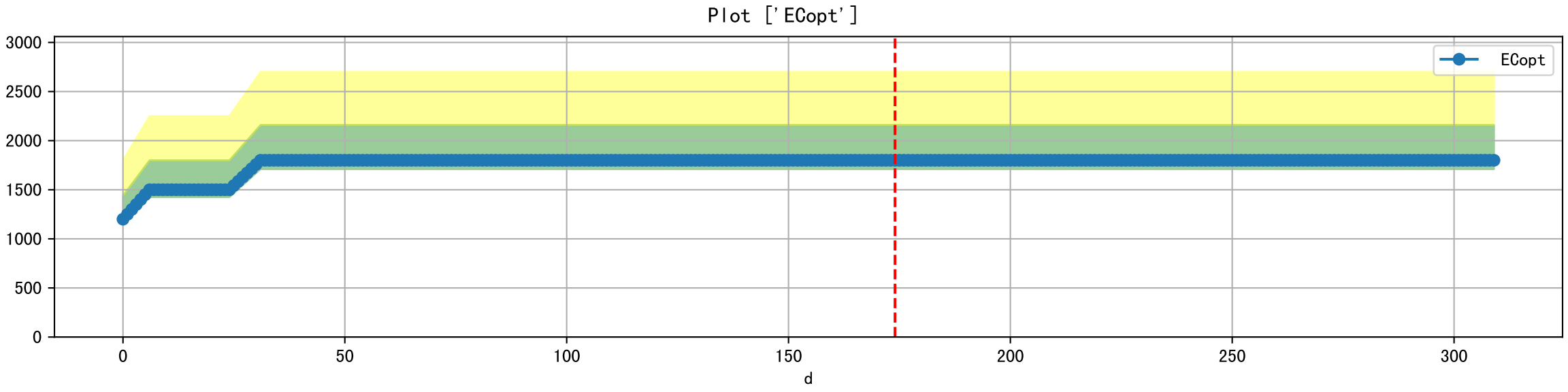

1 (fgArea = NA)
ECI*10%
ECO
4000
3500
3000
2500
2000
1500
1000
500
0
25
50
75
100
125
150
175
d

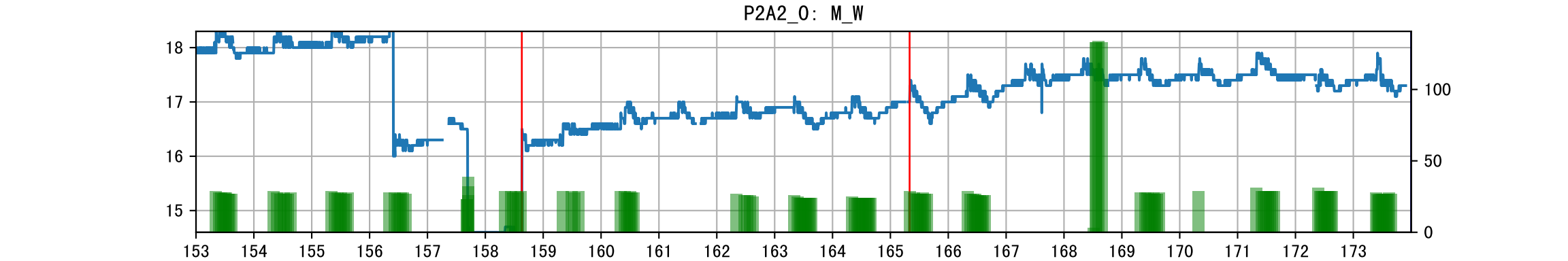

2 (fgArea = NA)
ECI*10%
ECO
3500
3000
2500
2000
1500
25
50
75
100
125
150
175
d


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

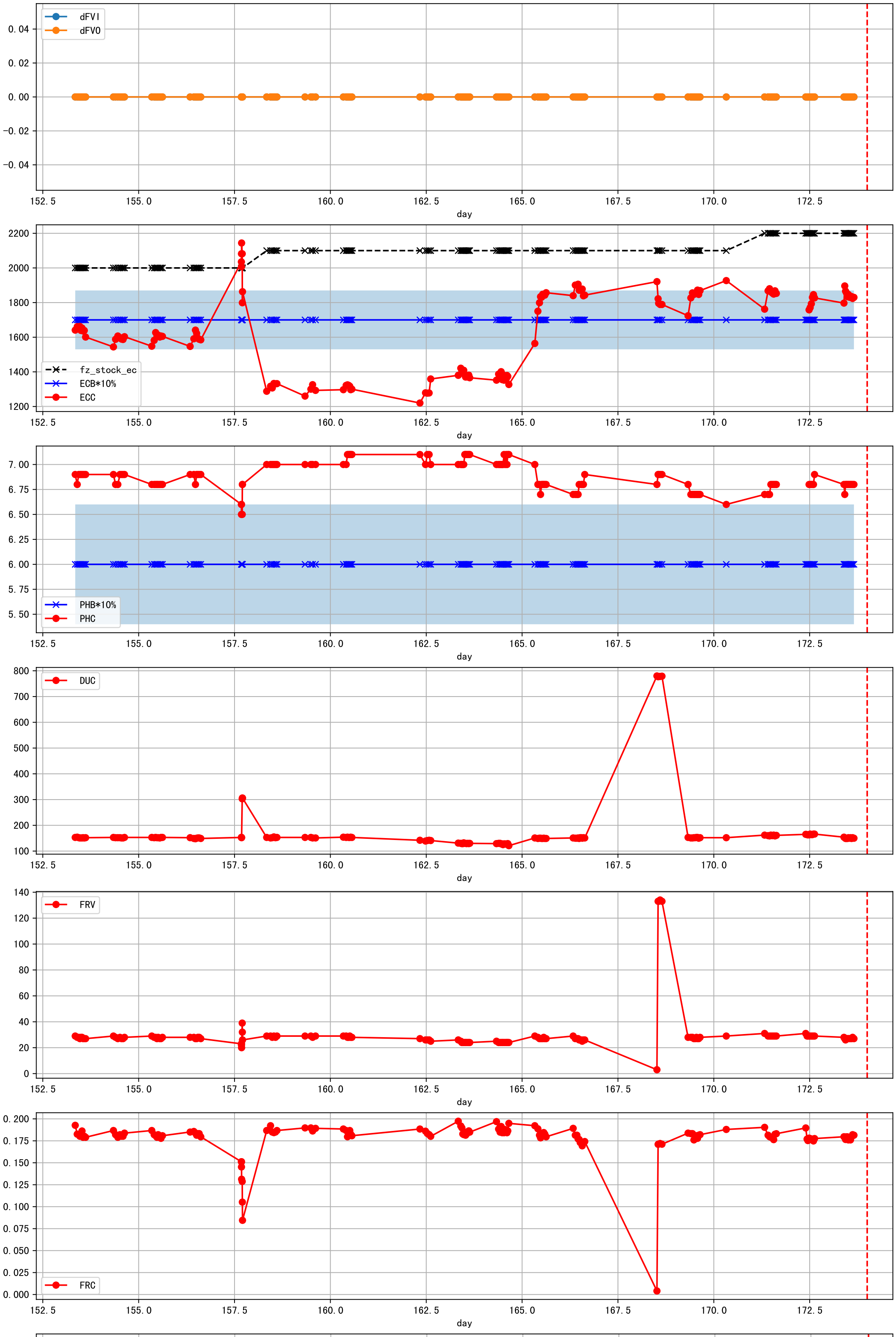

PHI*10%
PHO
7.00
6.75
6.50
6.25
6.00
5.75
5.50
25
50
75
100
125
150
175
d

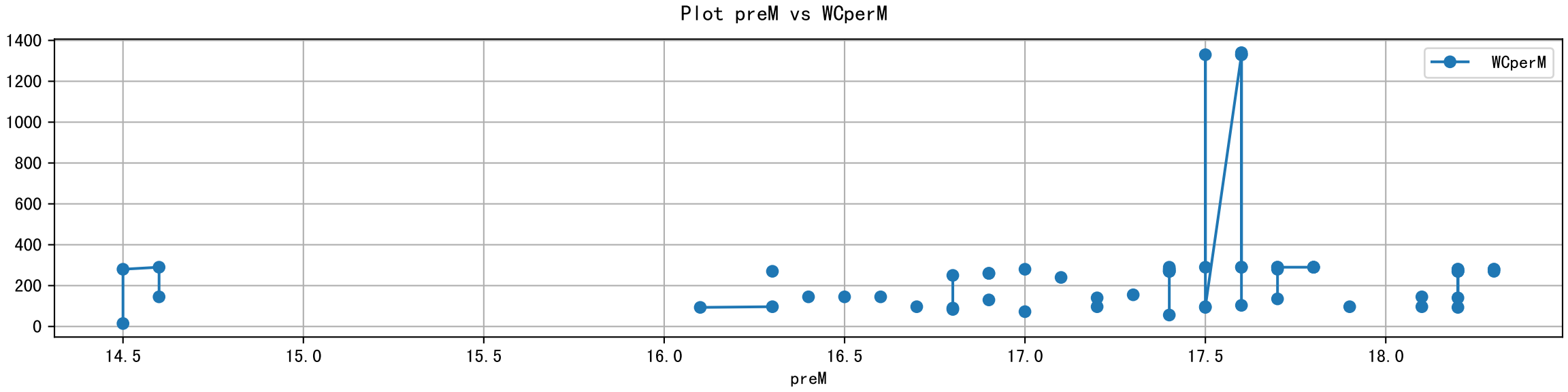

Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'EcParam', 'water_ec']]
EcFzExp
ECdef
EcParam
water_ec
Warning: col ['EcFgro', 'EcPltng'] is missing
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
250
300
d

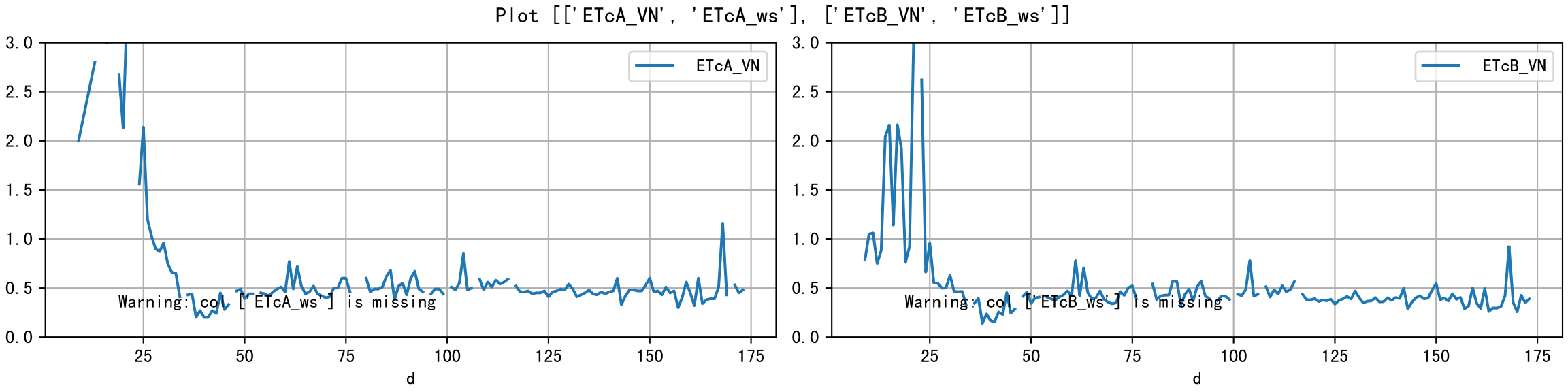

Plot ['ECopt']
ECopt
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
250
300
d

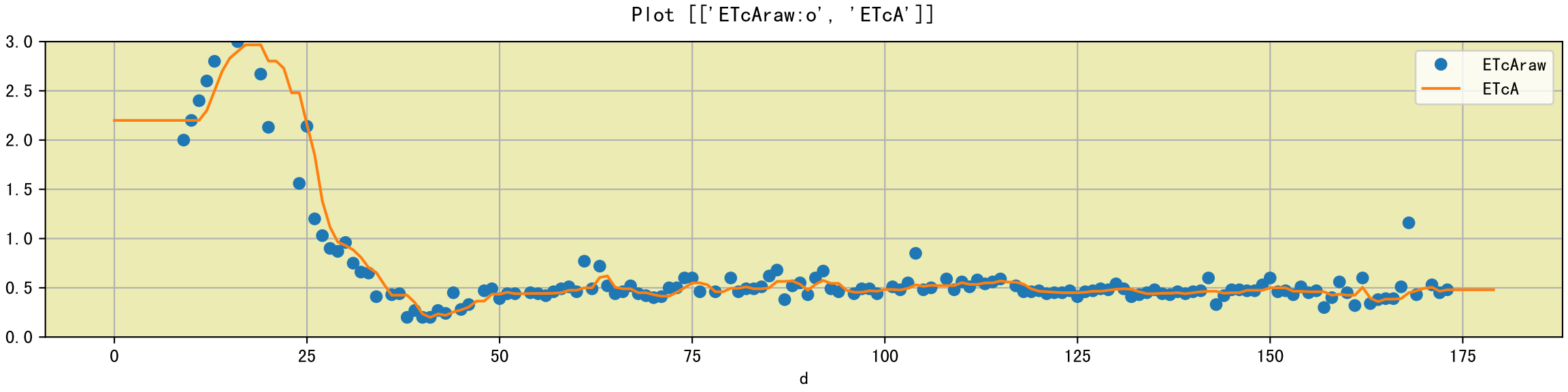

P2A2_O: M_W
18
17
16
15
100
50
0
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173

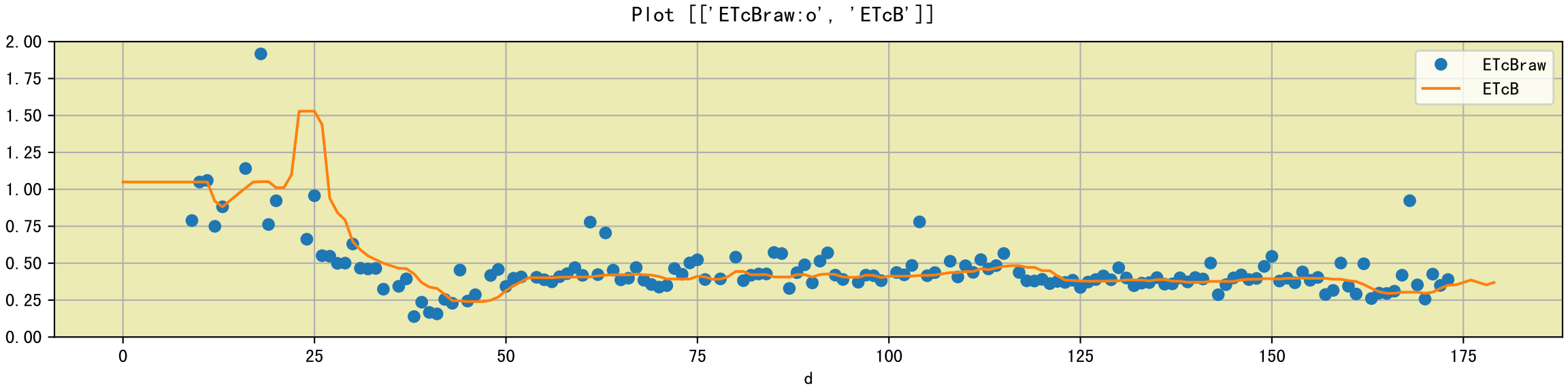
Plot Sensor and FgRec Data



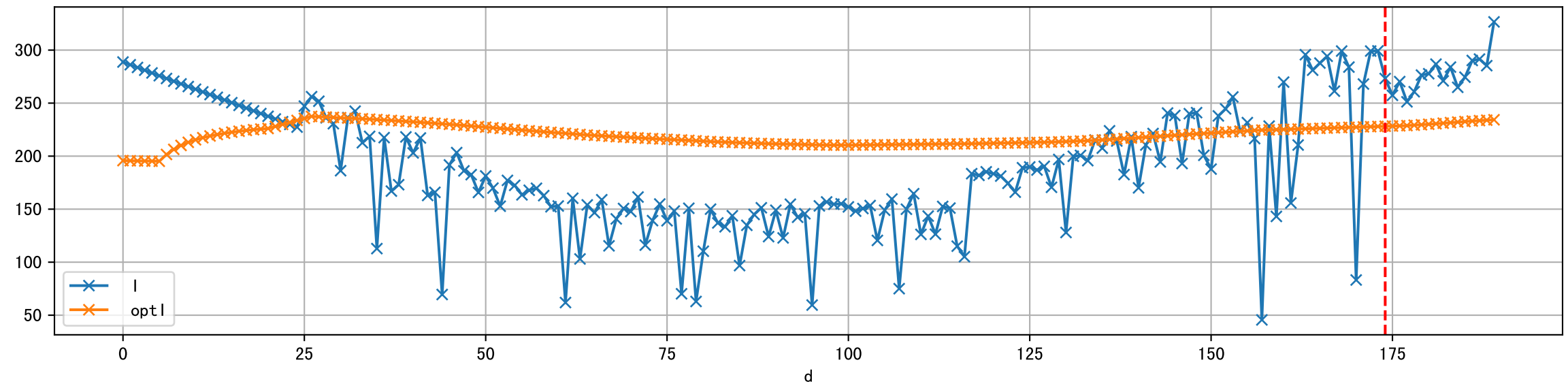

Plot preM vs WCperM
WCperM
1400
1200
1000
800
600
400
200
0
14.5
15.0
15.5
16.0
16.5
17.0
17.5
18.0
preM

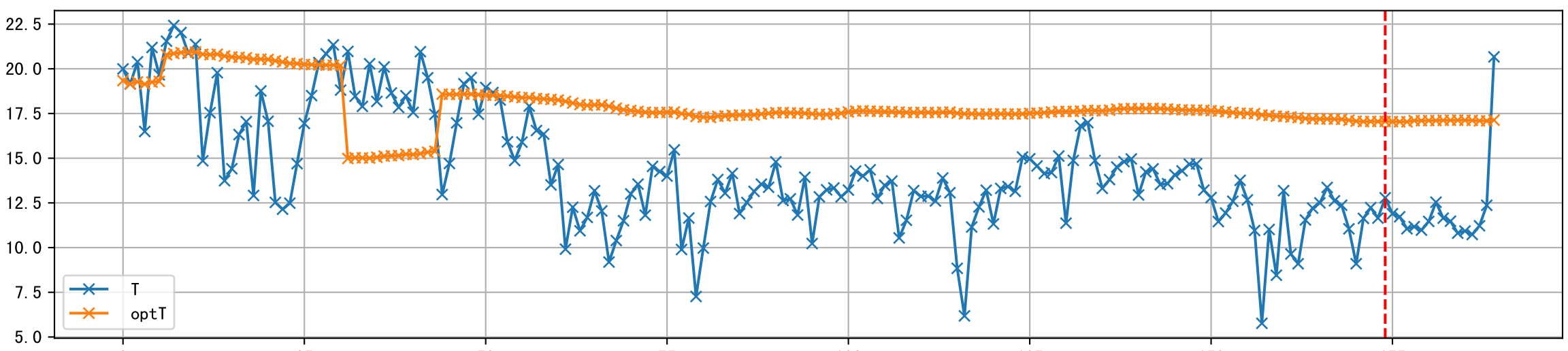

Plot [['ETcA_VN', 'ETcA_ws'], ['ETcB_VN', 'ETcB_ws']]
ETcA_VN
Warning: col ['ETcA_ws'] is missing
d
ETcB_VN
Warning: col ['ETcB_ws'] is missing
d

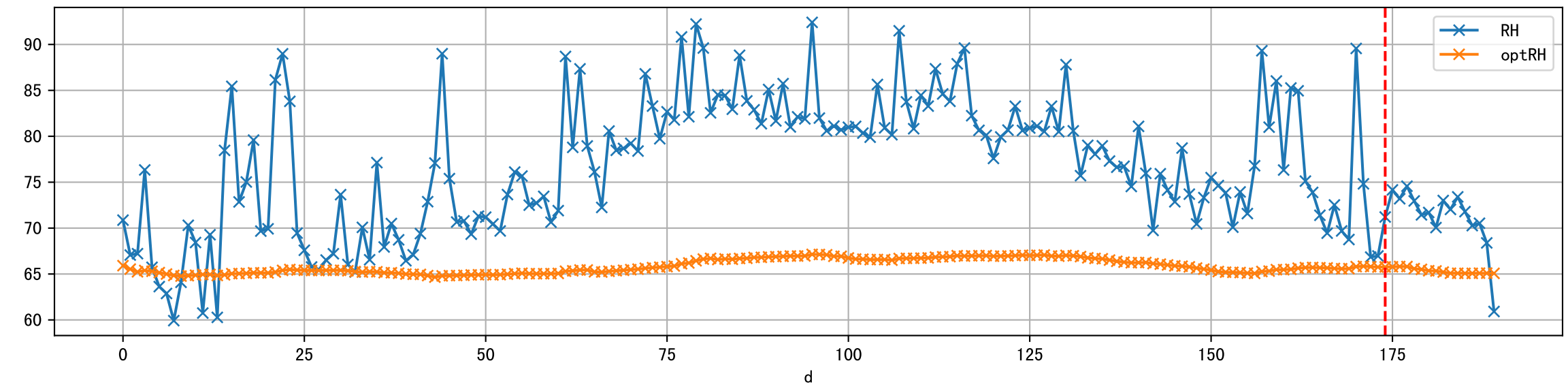

Plot [['ETcAraw:o', 'ETcA']]
ETcAraw
ETcA
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0
25
50
75
100
125
150
175
d

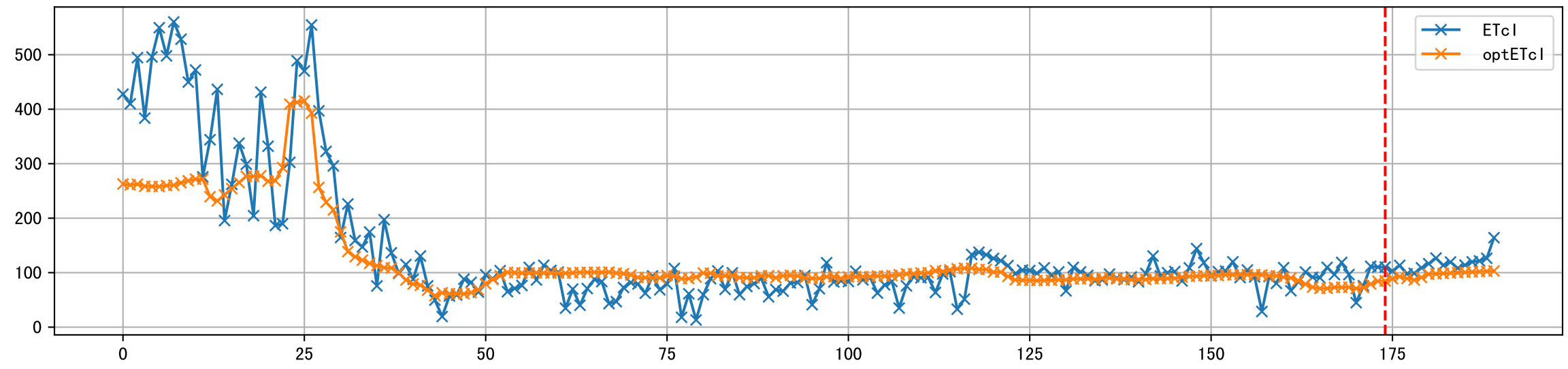

Plot [['ETcBraw:o', 'ETcB']]
ETcBraw
ETcB
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
0
25
50
75
100
125
150
175
d

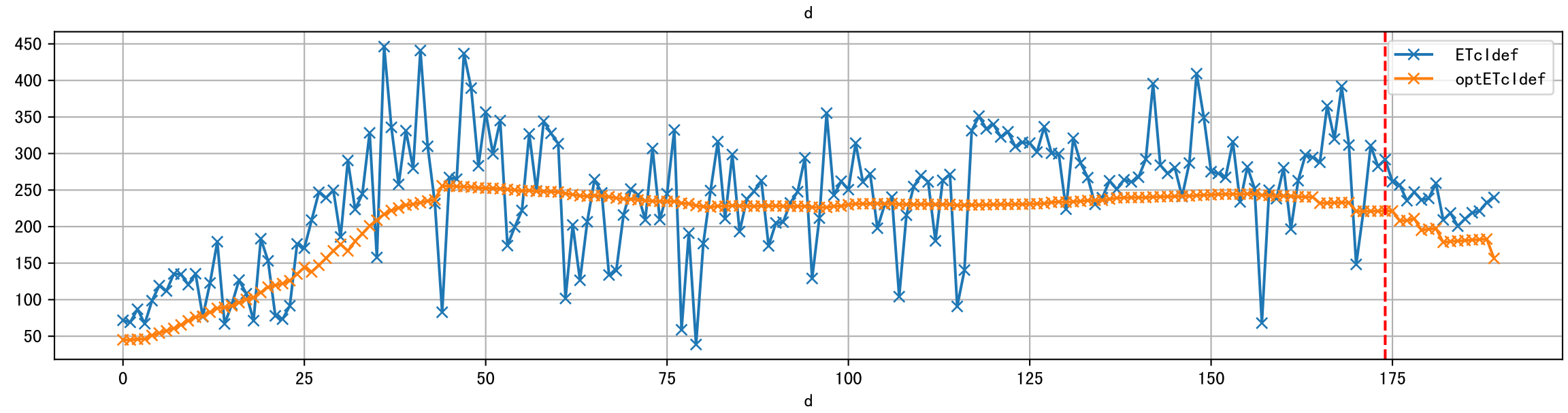
I'], ['T', 'optT'], ['RH', 'optRH'], ['ETcI', 'optETcI'], ['ETcIdef', 'optETcIdef'], ['ETo1', 'optETo1'], 'LAI', ['optEtRate', 'optEtRateDef', '

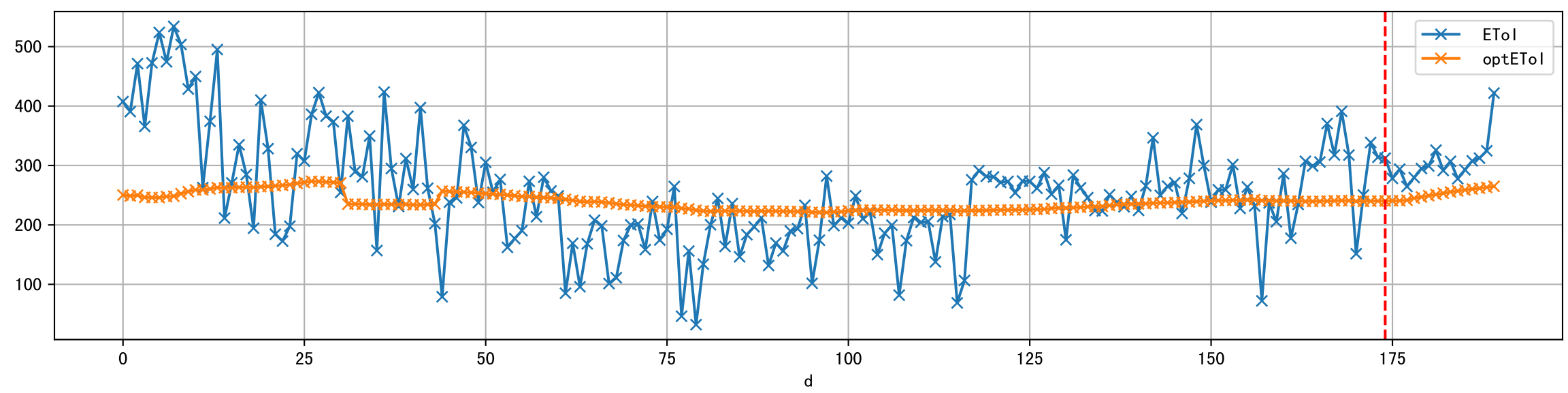


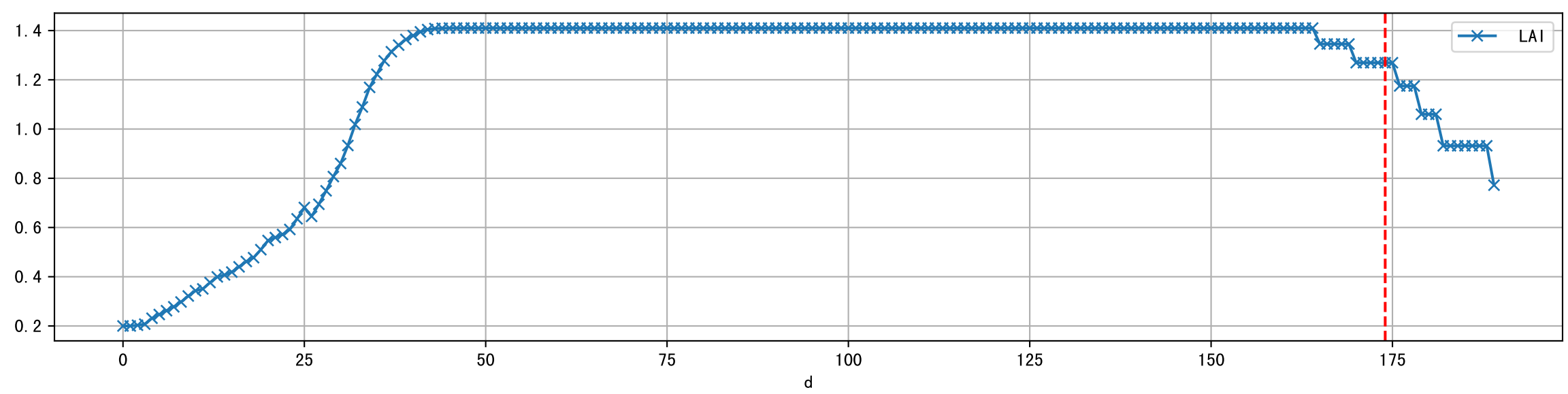


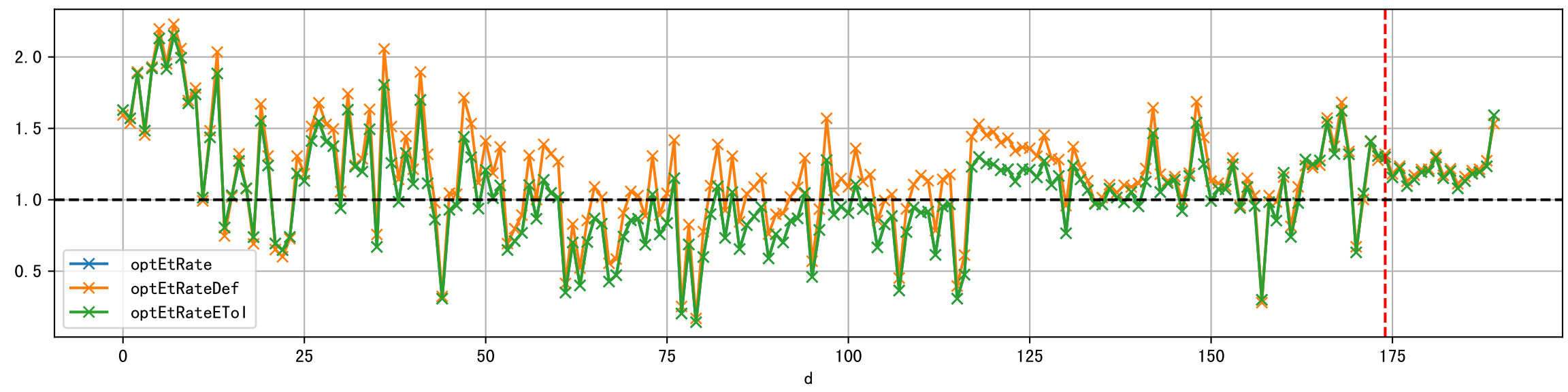


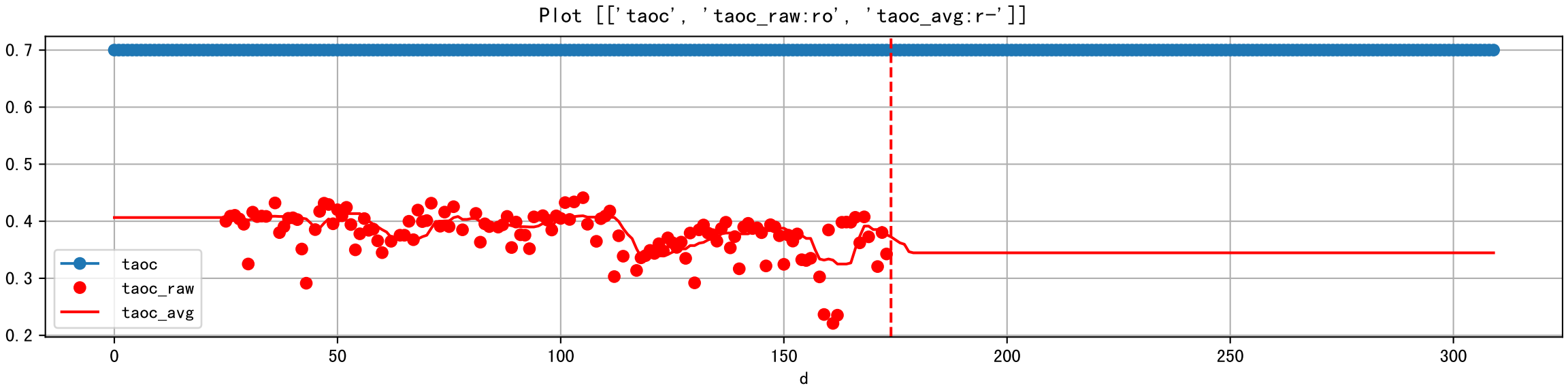


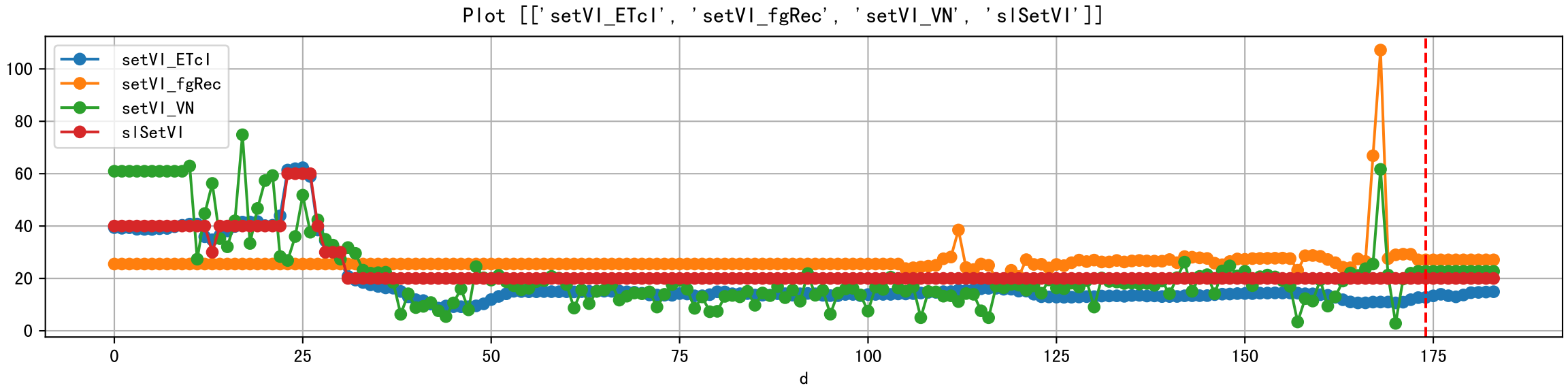


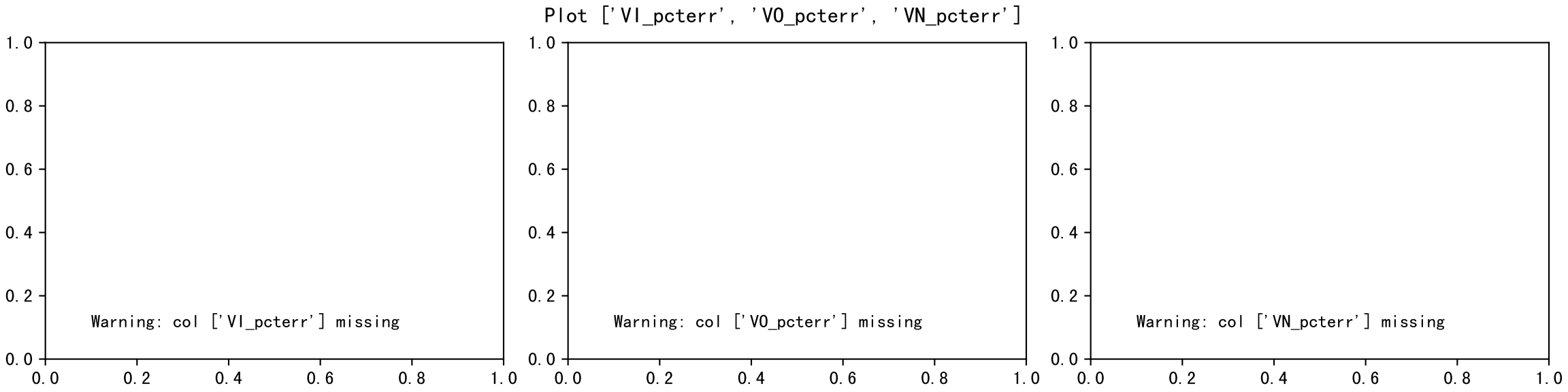


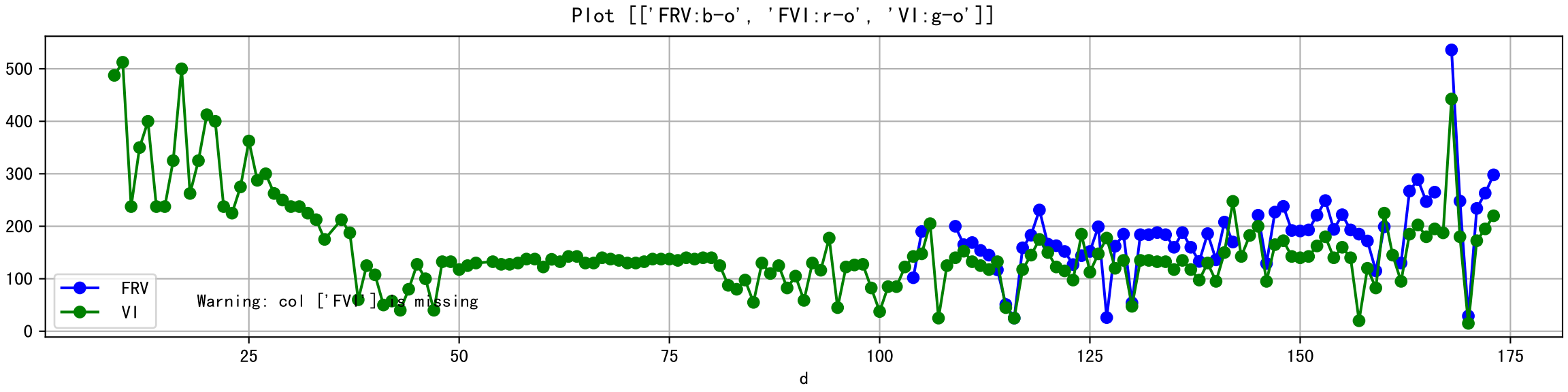


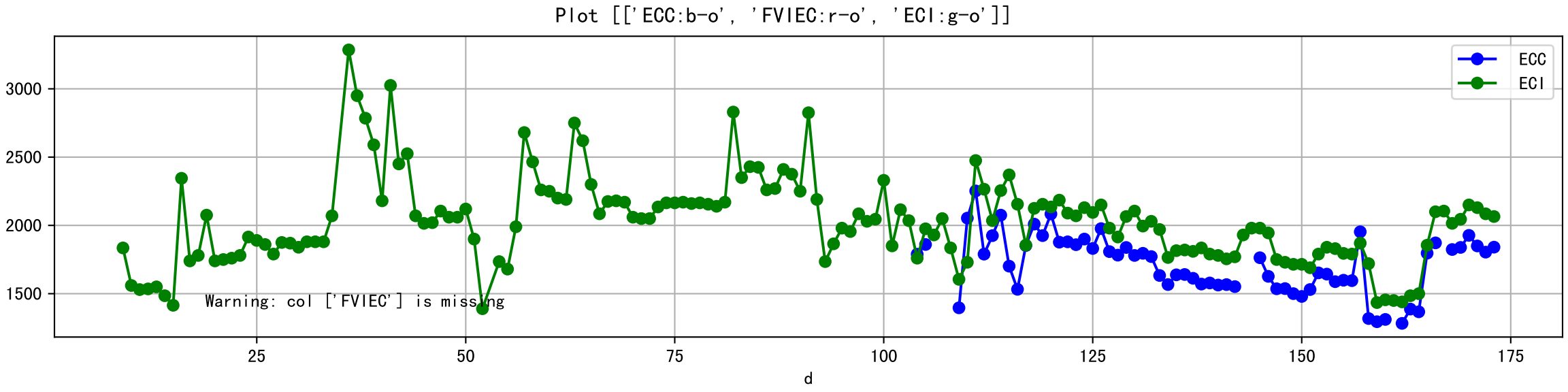


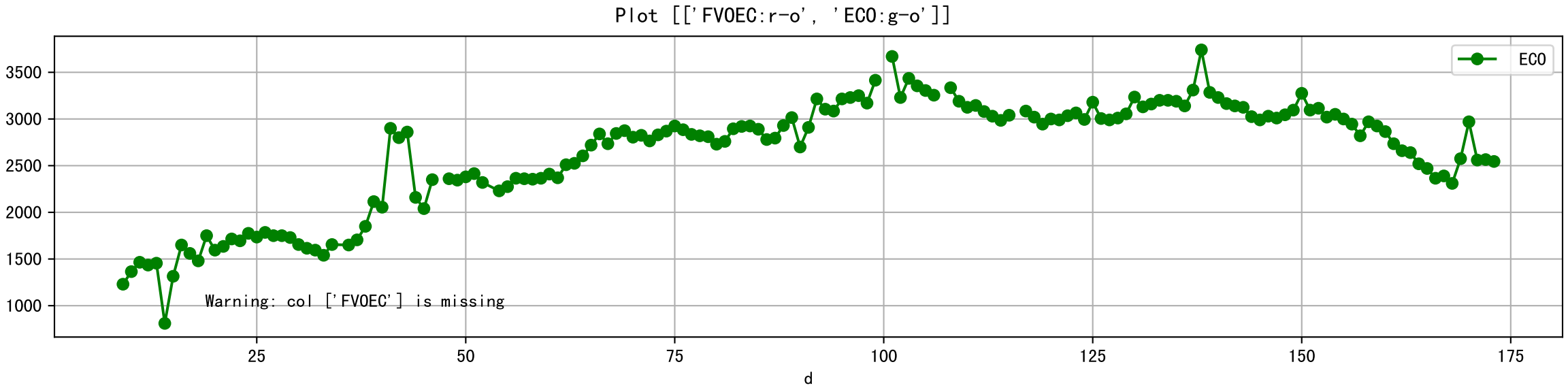

Plot [['taoc', 'taoc_raw:ro', 'taoc_avg:r-']]
0.7
0.6
0.5
0.4
0.3
0.2
taoc
taoc_raw
taoc_avg
0
50
100
150
200
250
300
d

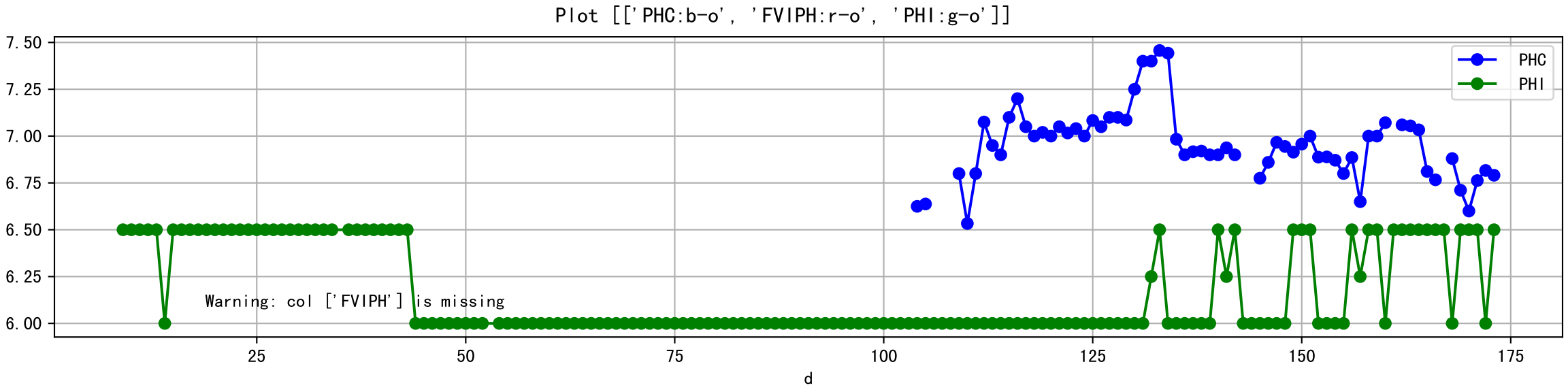

Plot [['setVI_ETcI', 'setVI_fgRec', 'setVI_VN', 'slSetVI']]
setVI_ETcI
setVI_fgRec
setVI_VN
slSetVI
0
20
40
60
80
100
0
25
50
75
100
125
150
175
d

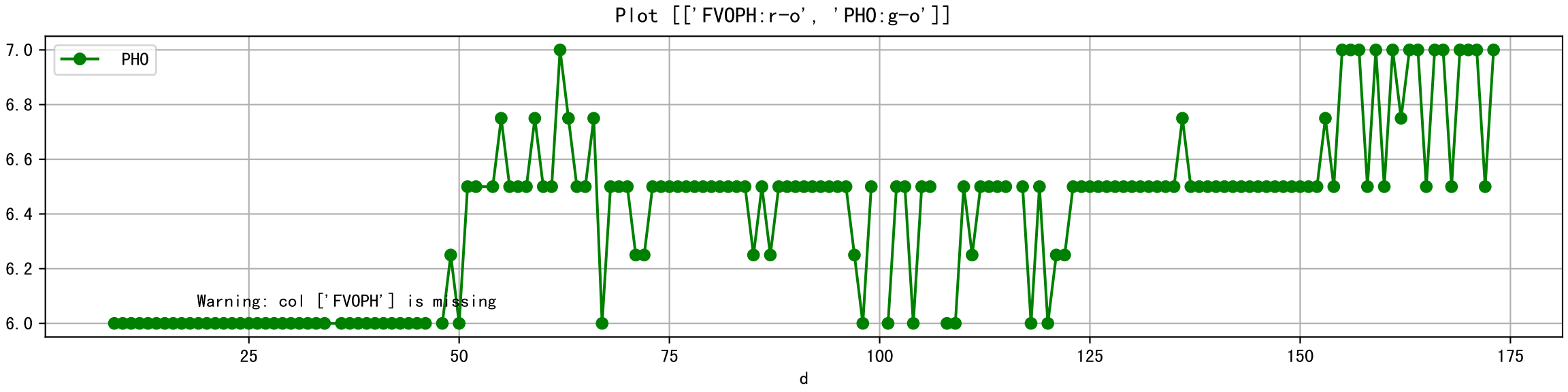

Plot ['VI_pcterr', 'VO_pcterr', 'VN_pcterr']
Warning: col ['VI_pcterr'] missing
Warning: col ['VO_pcterr'] missing
Warning: col ['VN_pcterr'] missing
0.0
0.2
0.4
0.6
0.8
1.0

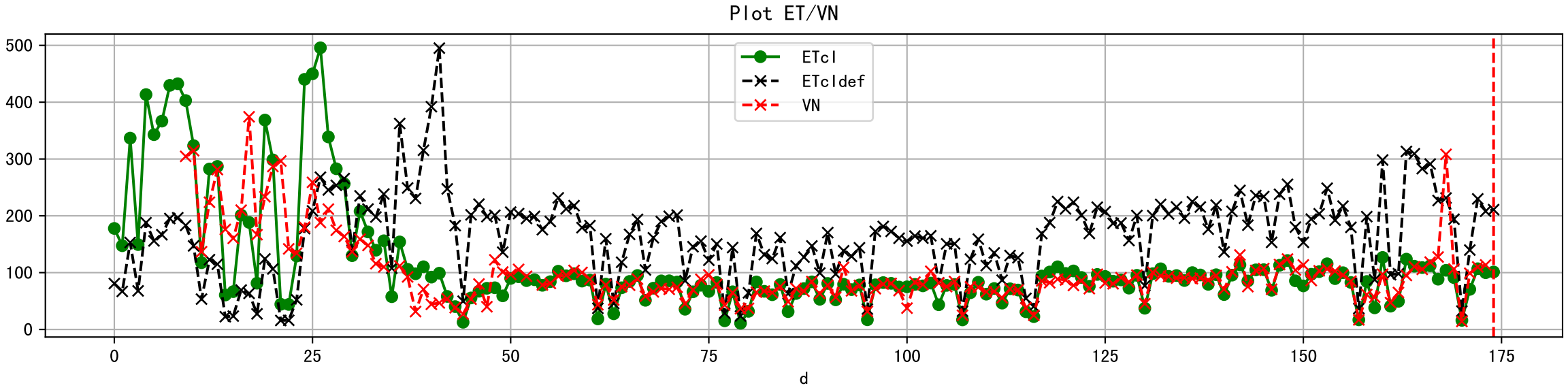

Plot [['FRV:b-o', 'FVI:r-o', 'VI:g-o']]
FRV
VI
Warning: col ['FVI'] is missing
0
100
200
300
400
500
25
50
75
100
125
150
175
d

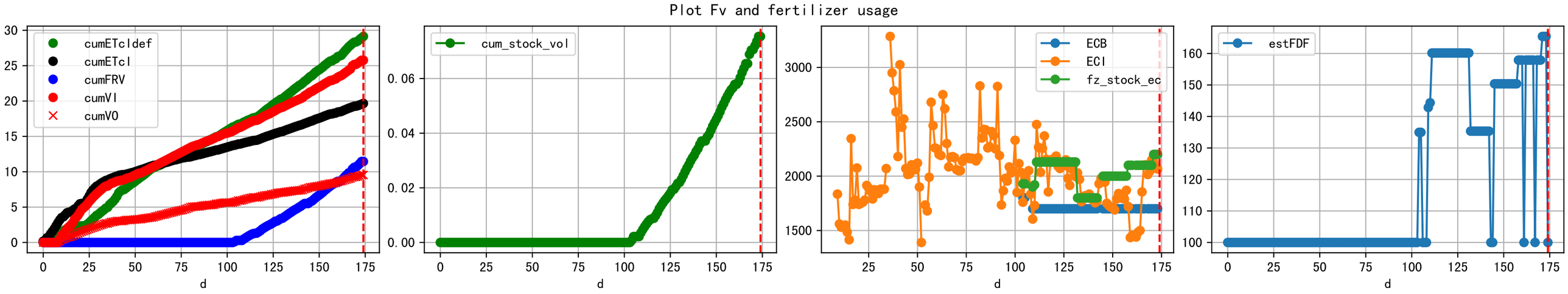

Plot [['ECC:b-o', 'FVIEC:r-o', 'ECI:g-o']]
ECC
ECI
Warning: col ['FVIEC'] is missing
3000
2500
2000
1500
25
50
75
100
125
150
175
d

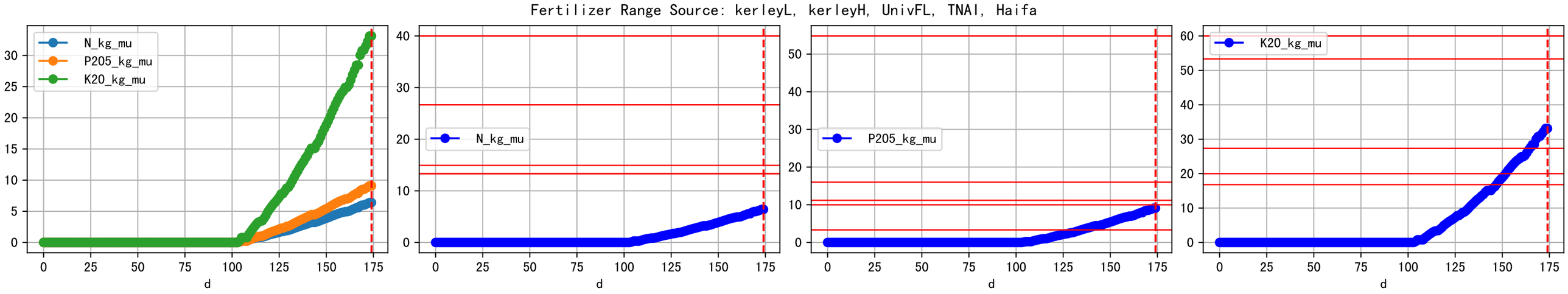

Plot [['FVOEC:r-o', 'ECO:g-o']]
ECO
Warning: col ['FVOEC'] is missing
3500
3000
2500
2000
1500
1000
25
50
75
100
125
150
175
d

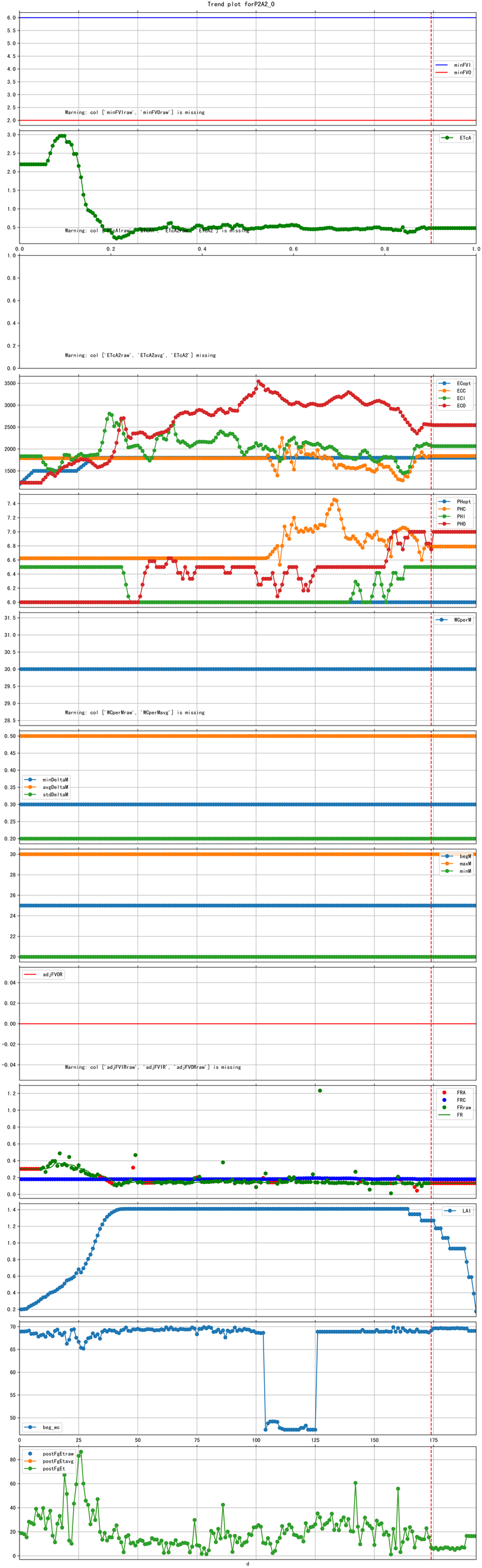

Plot [['PHC:b-o', 'FVIPH:r-o', 'PHI:g-o']]
7.50
7.25
7.00
6.75
6.50
6.25
6.00
PHC
PHI
Warning: col ['FVIPH'] is missing
25
50
75
100
125
150
175
d

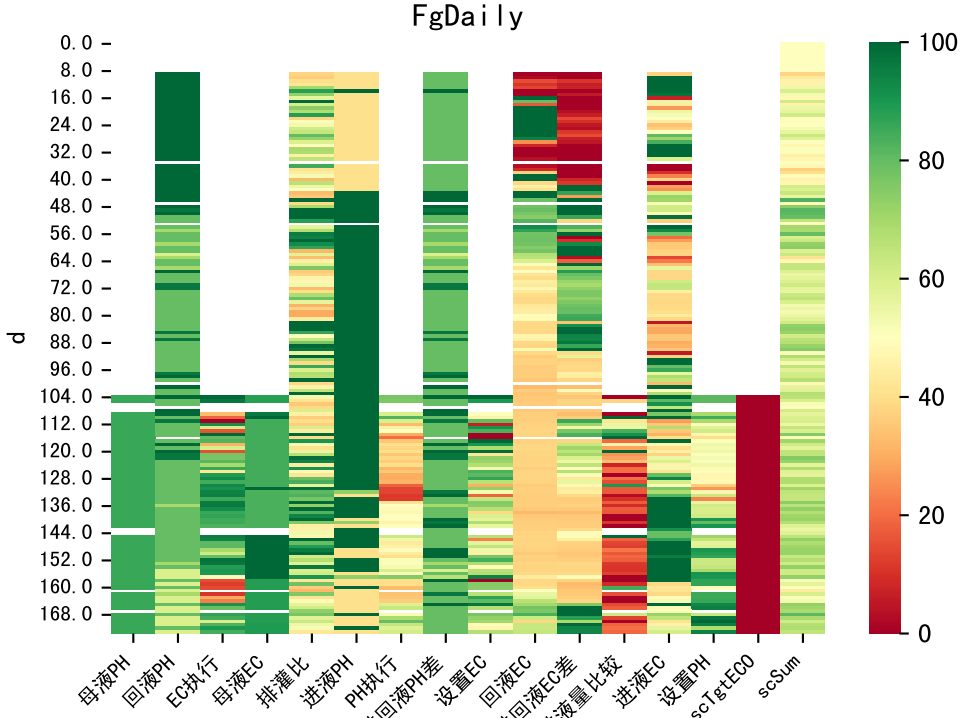

Plot [['FVOPH:r-o', 'PHO:g-o']]
PHO
Warning: col ['FVOPH'] is missing
7.0
6.8
6.6
6.4
6.2
6.0
25
50
75
100
125
150
175
d


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

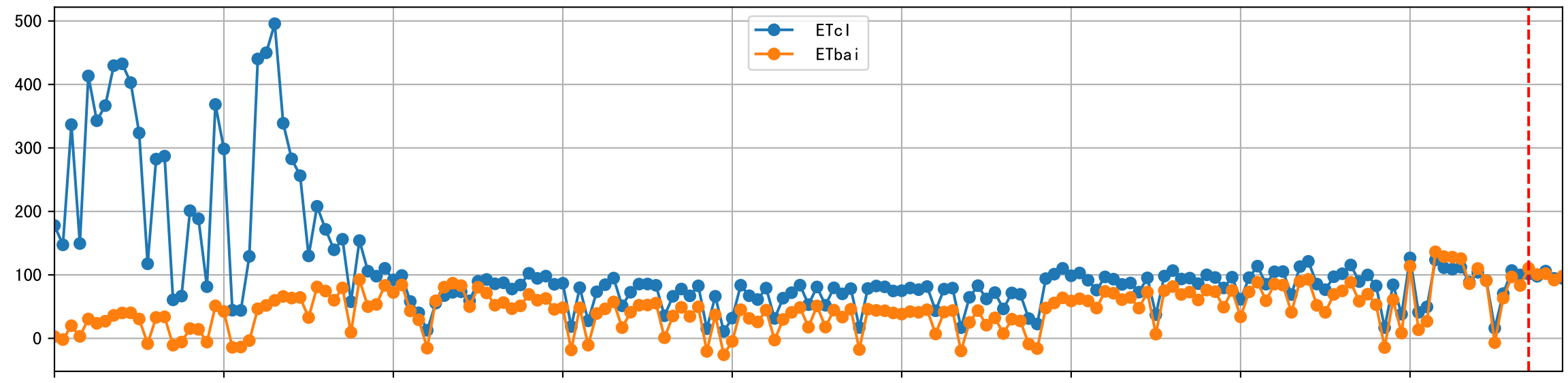

Plot Fv and fertilizer usage
cumETcIdef
cumETcI
cumFRV
cumVI
cumVO
d
cum_stock_vol
d
ECB
ECI
fz_stock_ec
d
estFDF
d

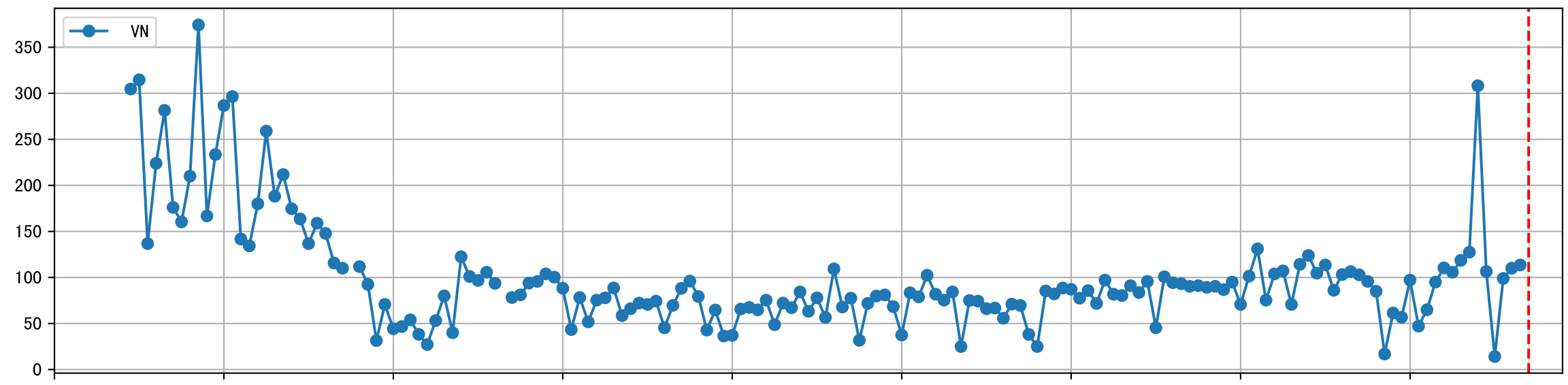

Fertilizer Range Source: kerleyL, kerleyH, UnivFL, TNAI, Haifa
N_kg_mu
P205_kg_mu
K20_kg_mu
d

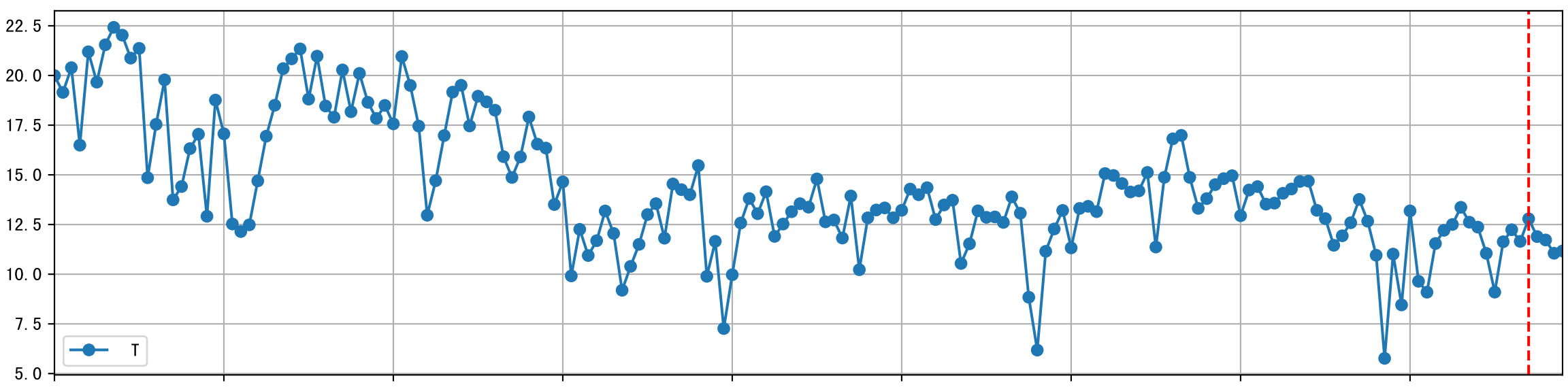

Trend plot forP2A2_0
minFVI
minFVO
Warning: col ['minFVIraw', 'minFVOraw'] is missing
ETcA
Warning: col ['ETcA1raw', 'ETcA1avg', 'ETcA1', 'ETcA2raw', 'ETcA2avg', 'ETcA2'] is missing
Warning: col ['ETcA2raw', 'ETcA2avg', 'ETcA2'] is missing
ECopt
ECC
ECI
ECO
PHopt
PHC
PHI
PHO
WCperM
Warning: col ['WCperMraw', '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

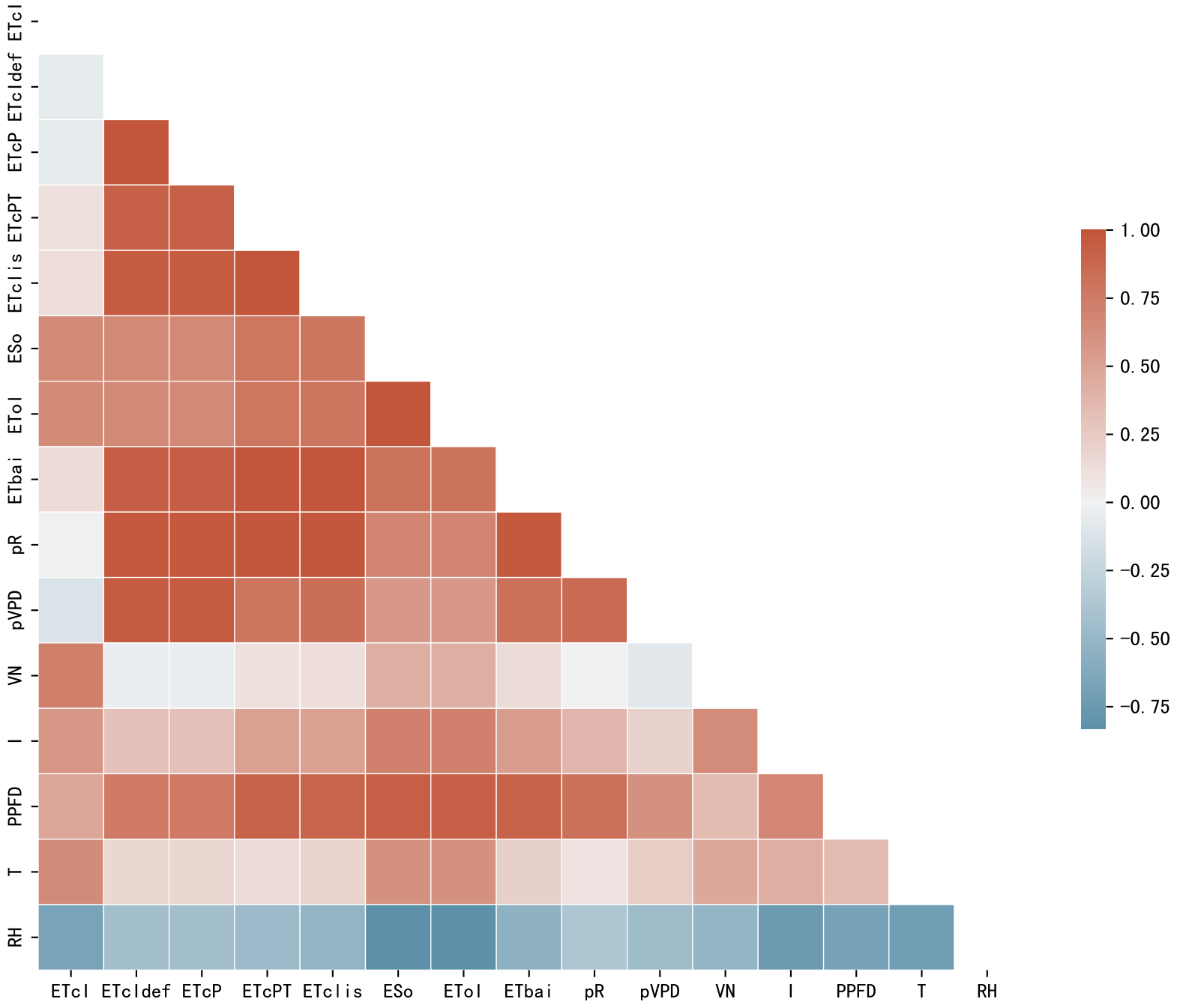

FgDaily
d
0.0
8.0
16.0
24.0
32.0
40.0
48.0
56.0
64.0
72.0
80.0
88.0
96.0
104.0
112.0
120.0
128.0
136.0
144.0
152.0
160.0
168.0
100
80
60
40
20
0
母液PH
回液PH
EC执行
母液EC
排灌比
进液PH
PH执行
回液PH差
设置EC
回液EC
回液EC差
液量比较
进液EC
设置PH
scTgtEC0
scSum

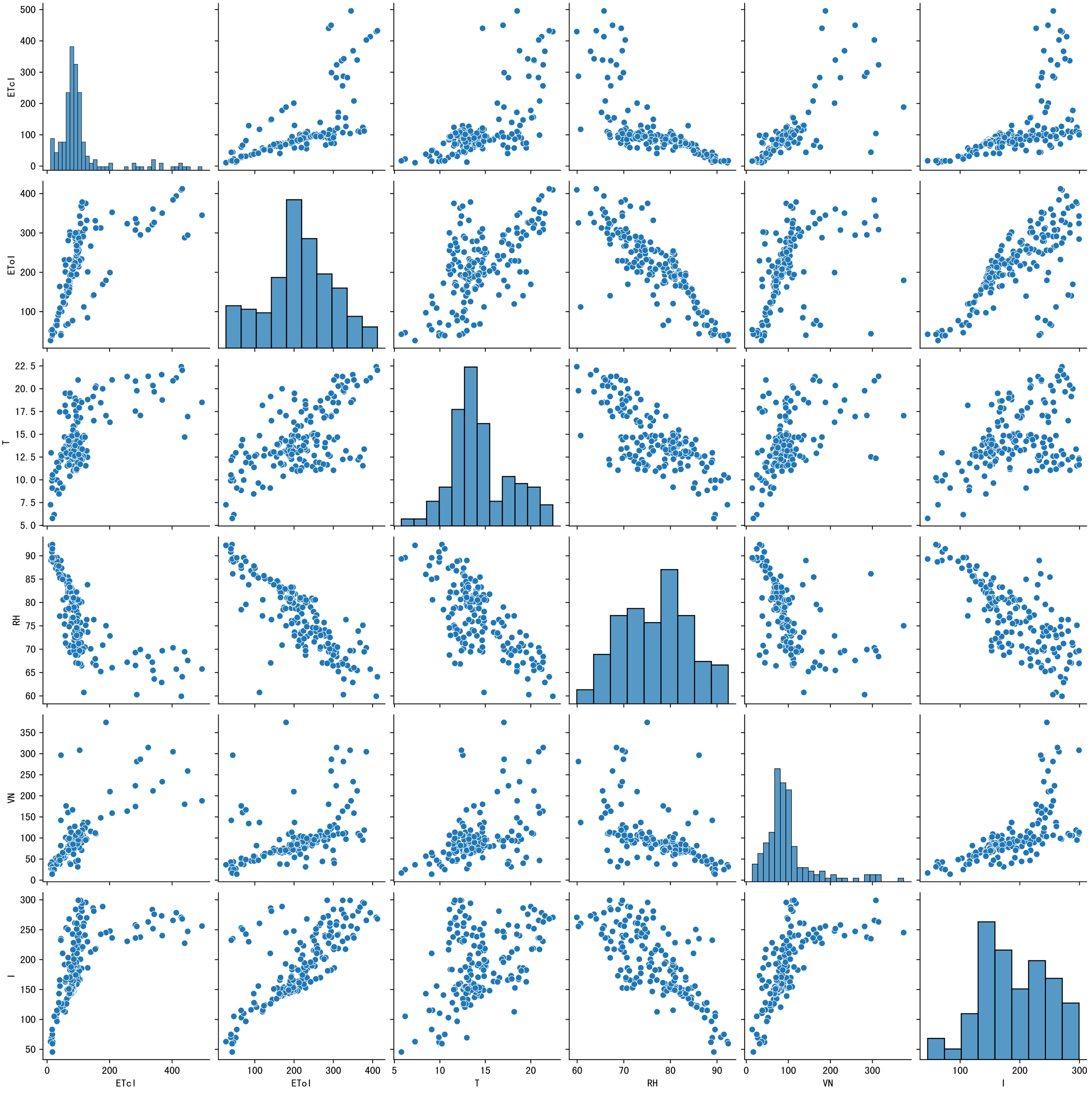
P2A2_0

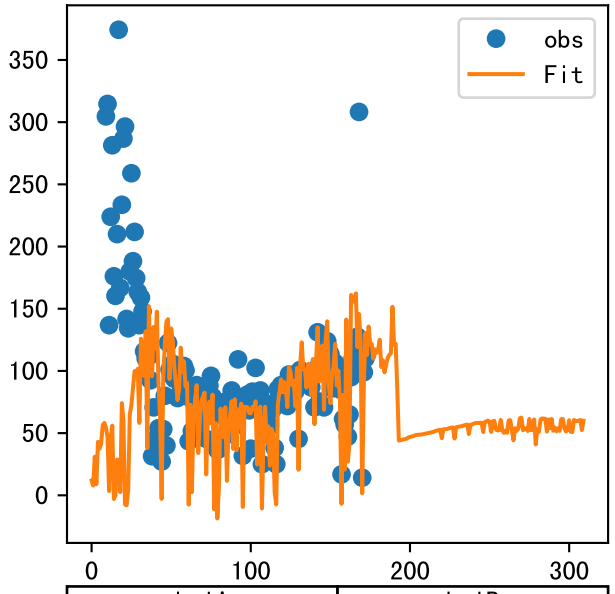


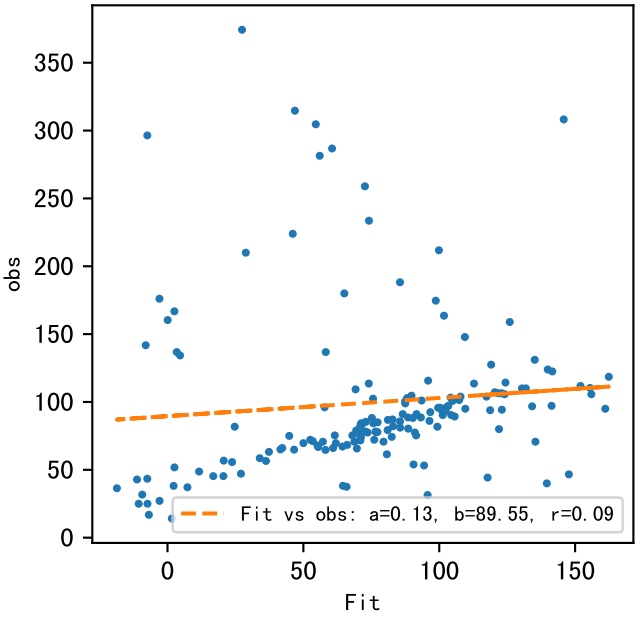




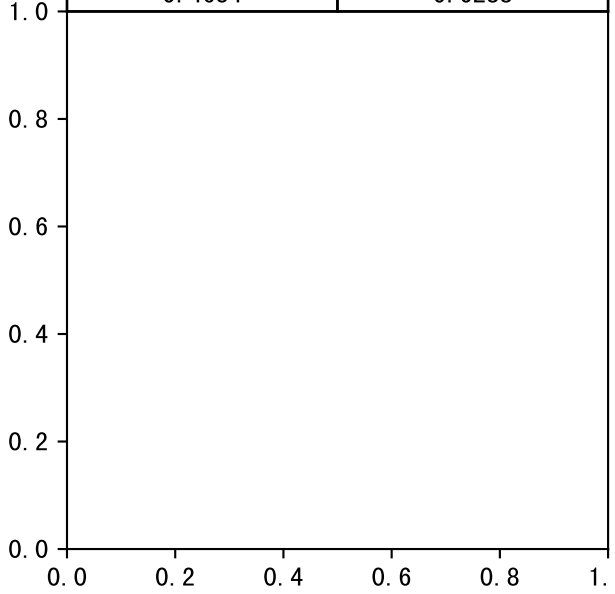

ETcl
ETcldef
ETcP
ETcPT
ETclis
ESo
ETol
ETbai
pR
pVPD
VN
I
PPFD
T
RH
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75

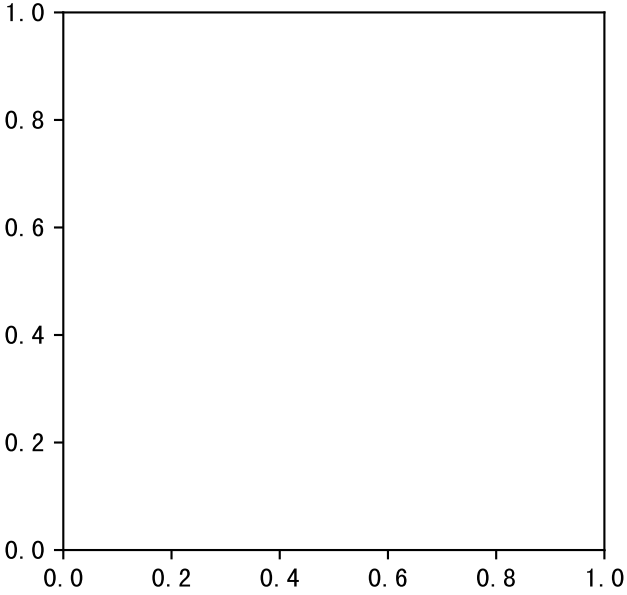

ETcI
ETo I
T
RH
VN
I
ETcI
ETo I
T
RH
VN
I

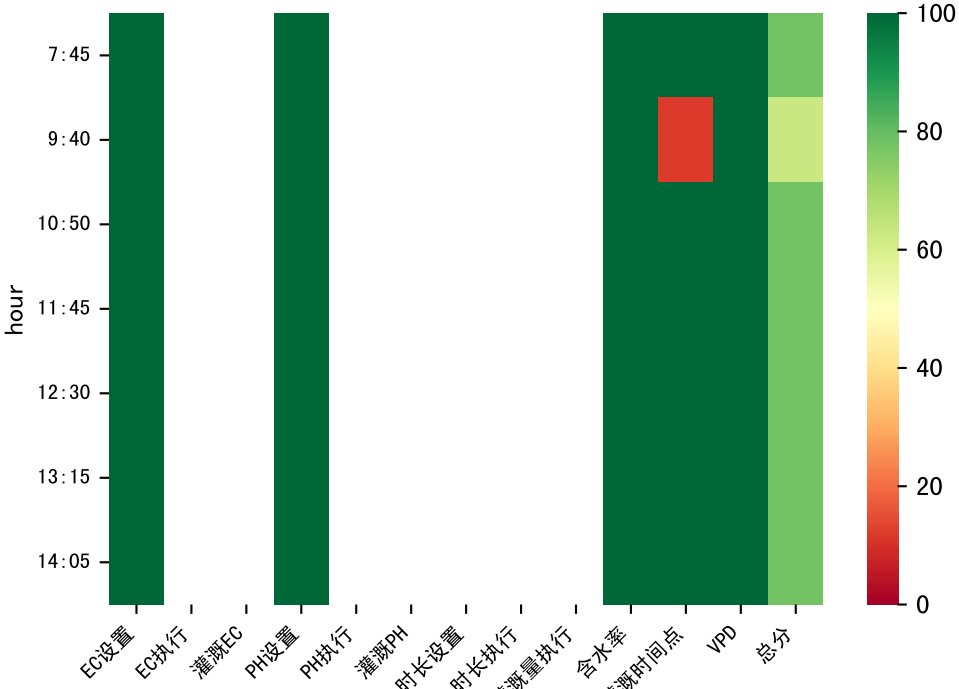




baiA	baiB
0.4634	0.0288

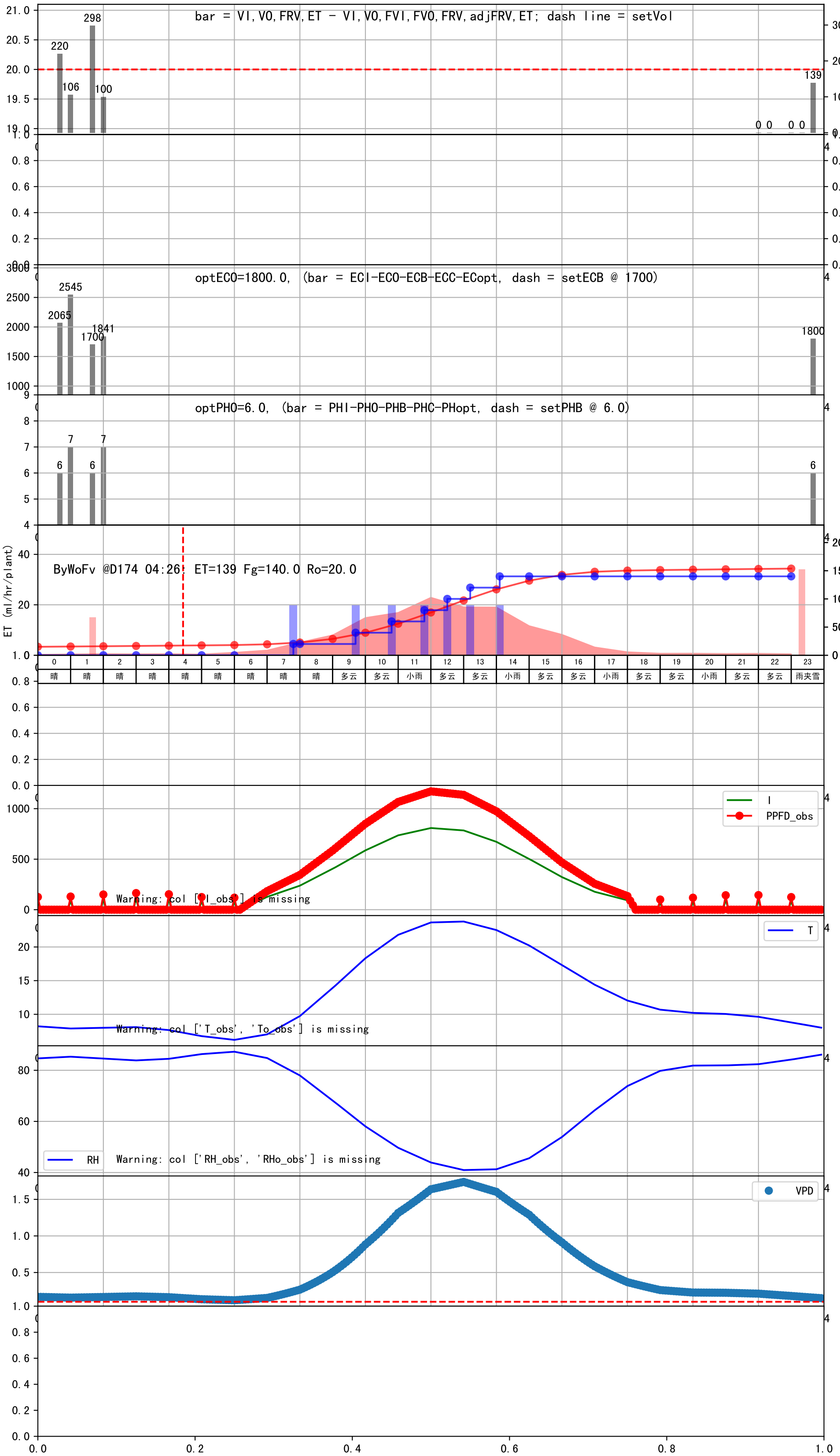


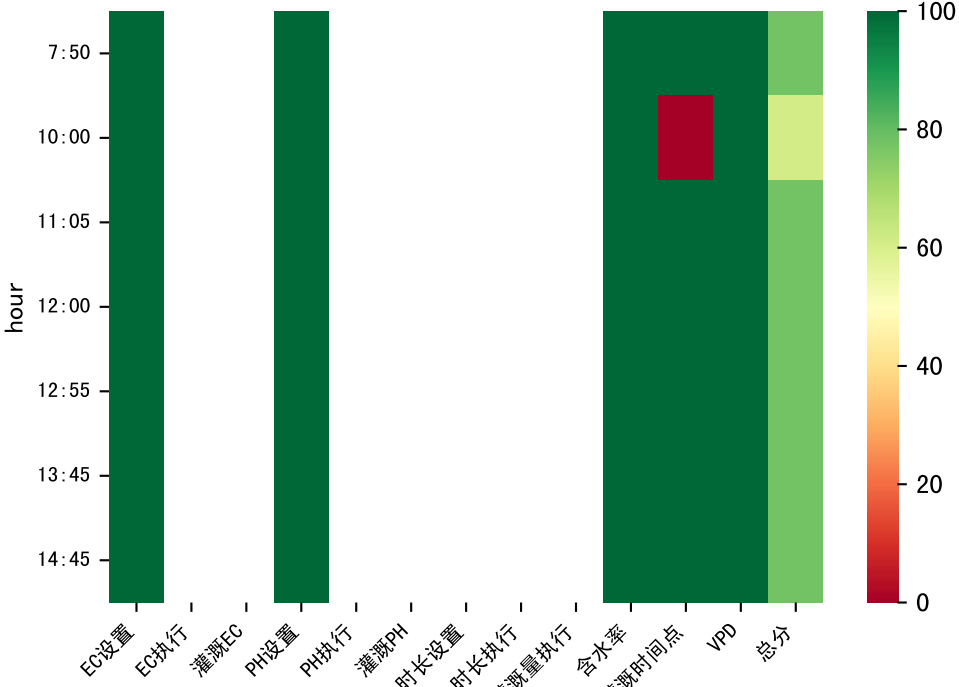



hour
7:45
9:40
10:50
11:45
12:30
13:15
14:05
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
含水率
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
07:45	154	20.0	0.441	晴	预期@07:45 自主（未用传感器）
09:40	154	20.0	0.441	多云	预期@09:40 自主（未用传感器）
10:50	154	20.0	0.441	多云	预期@10:50 自主（未用传感器）
11:45	154	20.0	0.441	小雨	预期@11:45 自主（未用传感器）
12:30	154	20.0	0.441	多云	预期@12:30 自主（未用传感器）
13:15	154	20.0	0.441	多云	预期@13:15 自主（未用传感器）
14:05	154	20.0	0.441	小雨	预期@14:05 自主（未用传感器）
总计	1078.0 (7次)	140.0			建议进液EC：1700， PH：6.0

P2A2_0, Day=174 (2026-03-17)

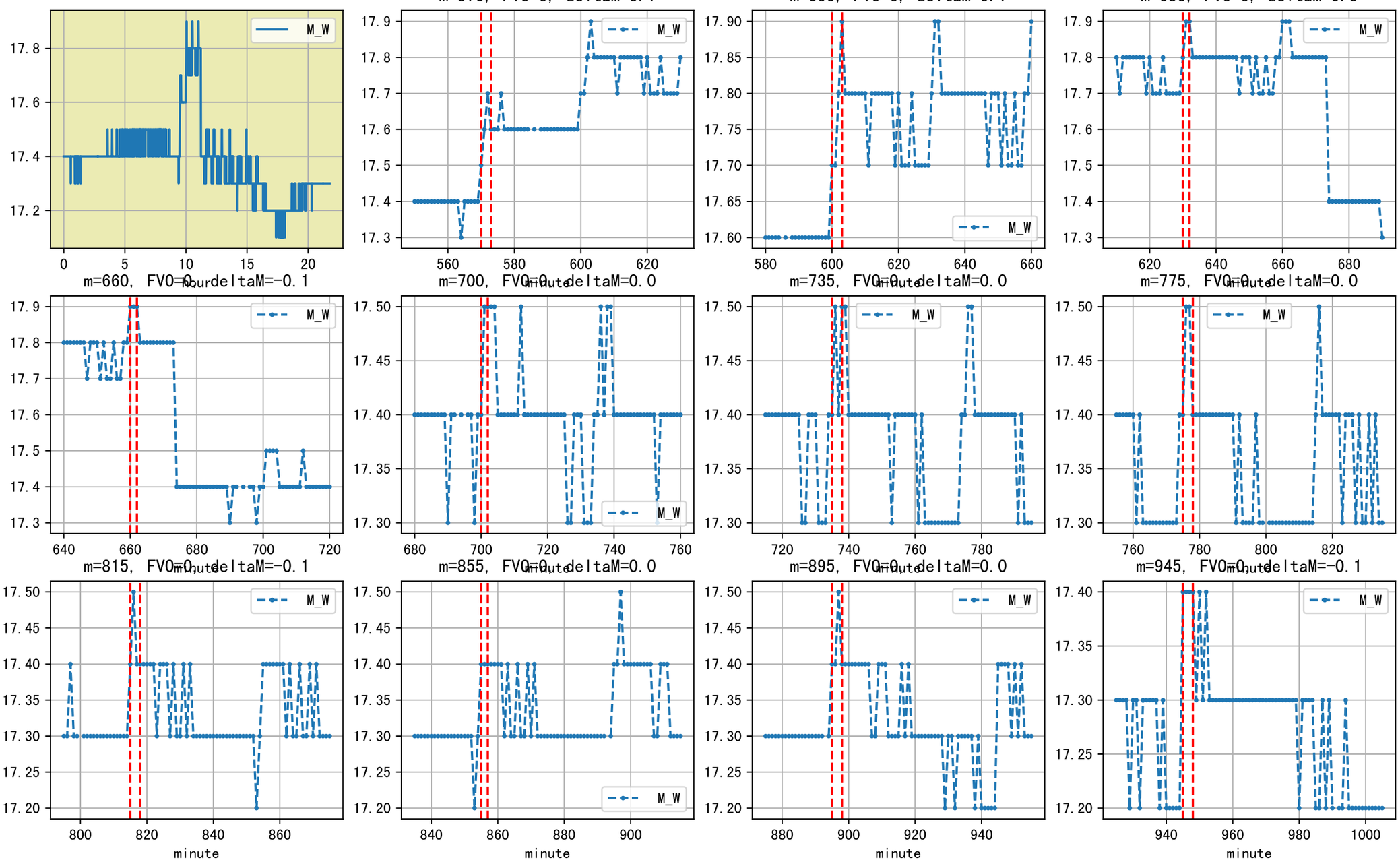


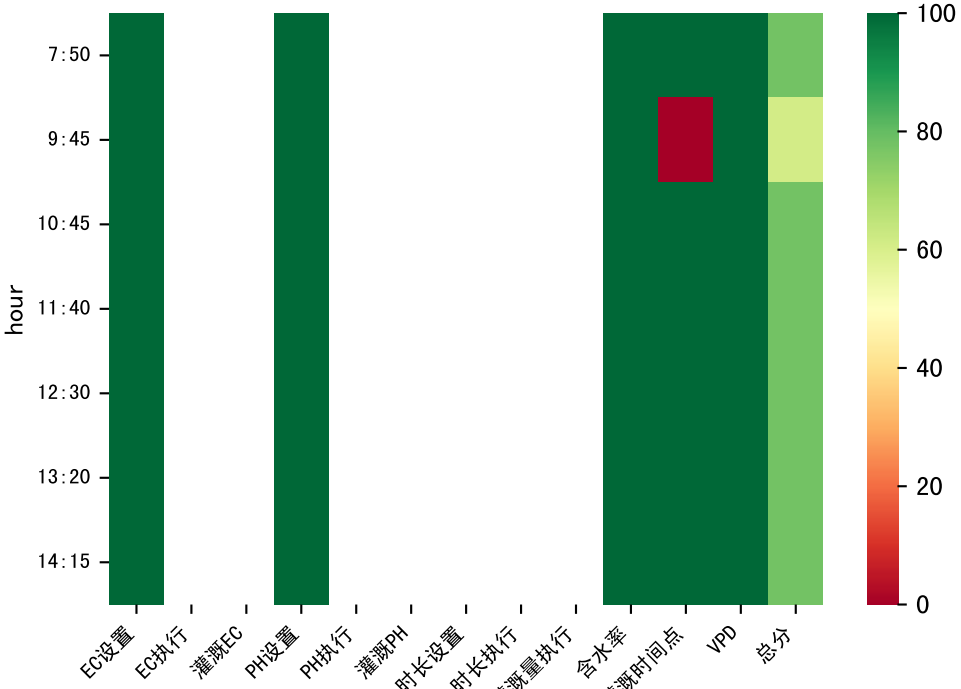

hour
7:50
10:00
11:05
12:00
12:55
13:45
14:45
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

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	20.0	0.441	晴	假设@07:50 自动（未用传感器）
10:00	154	20.0	0.441	晴	假设@10:00 自动（未用传感器）
11:05	154	20.0	0.441	晴	假设@11:05 自动（未用传感器）
12:00	154	20.0	0.441	晴	假设@12:00 自动（未用传感器）
12:55	154	20.0	0.441	晴	假设@12:55 自动（未用传感器）
13:45	154	20.0	0.441	晴	假设@13:45 自动（未用传感器）
14:45	154	20.0	0.441	晴	假设@14:45 自动（未用传感器）
总计	1078.0 (7次)	140.0			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 : 20.0)，可能由于一阀多区不均匀
默认实际灌溉20.0 ml.

P2A2_0, Day=173.0 (2026-03-16)

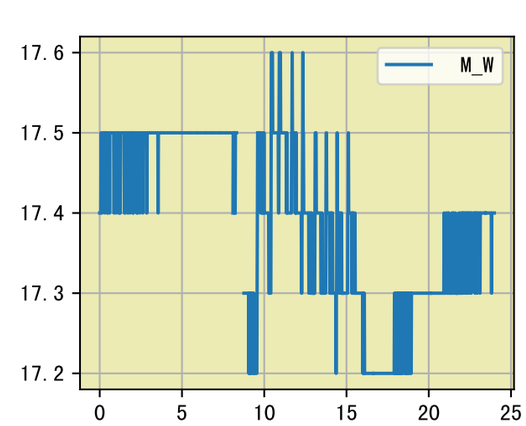

m=570, FV0=0, deltaM=0.1
m=600, FV0=0, deltaM=0.1
m=630, FV0=0, deltaM=0.0
m=660, FV0=0, deltaM=-0.1
m=700, FV0=0, deltaM=0.0
m=735, FV0=0, deltaM=0.0
m=775, FV0=0, deltaM=0.0
m=815, FV0=0, deltaM=-0.1
m=855, FV0=0, deltaM=0.0
m=895, FV0=0, deltaM=0.0
m=945, FV0=0, deltaM=-0.1
M_W
minute

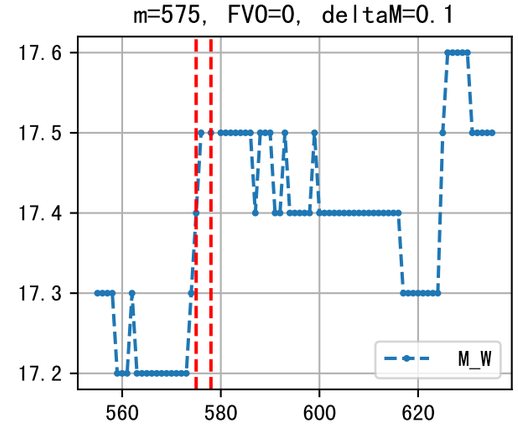

hour
7:50
9:45
10:45
11:40
12:30
13:20
14:15
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

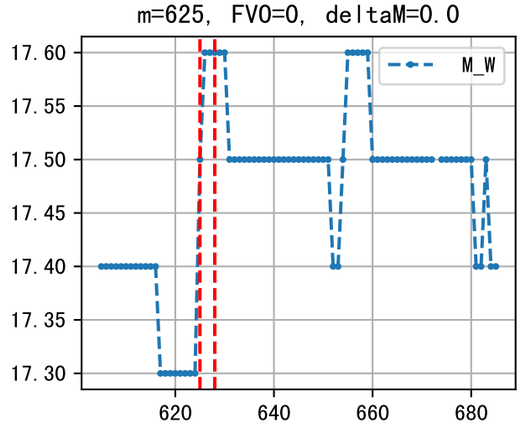
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
07:50	165	20.0	0.441	多云	假设@07:50 自动（未用传感器）
09:45	165	20.0	0.441	晴	假设@09:45 自动（未用传感器）
10:45	165	20.0	0.441	晴	假设@10:45 自动（未用传感器）
11:40	165	20.0	0.441	晴	假设@11:40 自动（未用传感器）
12:30	165	20.0	0.441	晴	假设@12:30 自动（未用传感器）
13:20	165	20.0	0.441	晴	假设@13:20 自动（未用传感器）
14:15	165	20.0	0.441	晴	假设@14:15 自动（未用传感器）
总计	1155.0 (7次)	140.0			建议进液EC：1700， PH：6.0

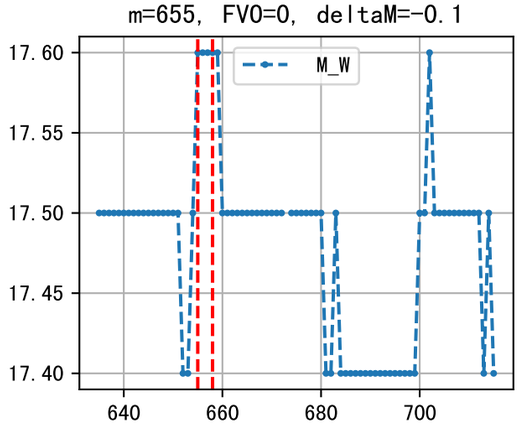
滴头平均流速偏小（0.18 vs def 0.5），请检查
施肥机灌溉量与预期值不符 (29.0 : 20.0)，可能由于一阀多区不均匀
默认实际灌溉20.0 ml.

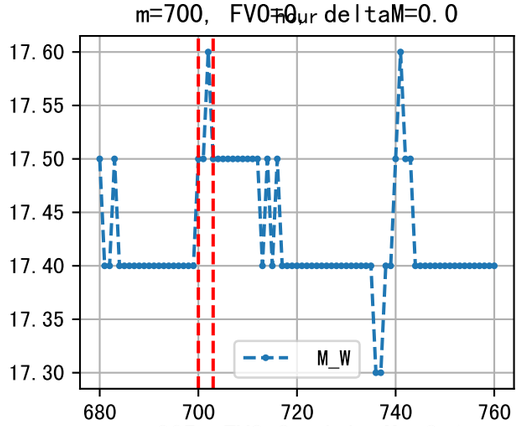
P2A2_0, Day=172.0 (2026-03-15)

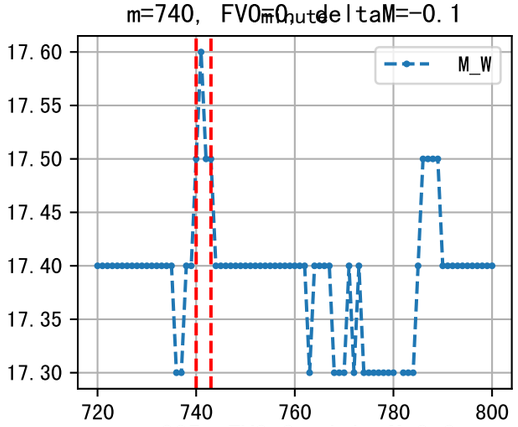

M_W
17.6
17.5
17.4
17.3
17.2
0
5
10
15
20
25

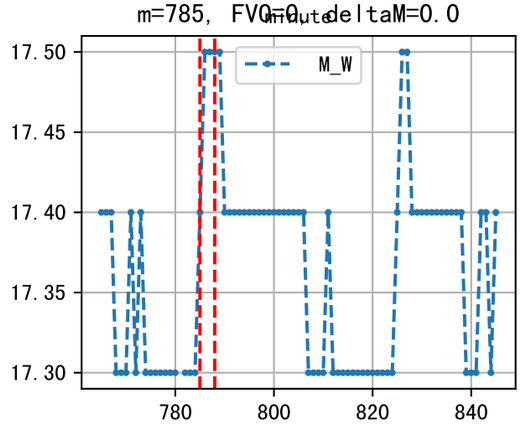

m=575, FVO=0, deltaM=0.1
M_W
17.6
17.5
17.4
17.3
17.2
560
580
600
620

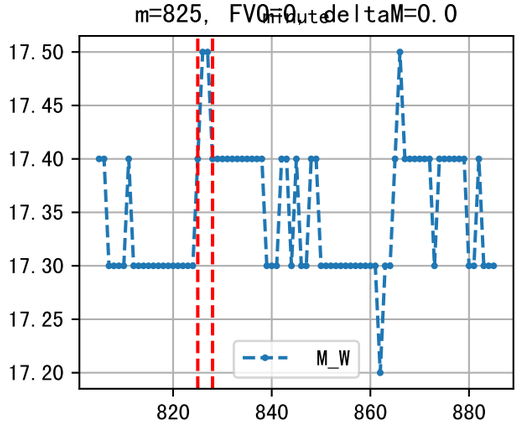

m=625, FVO=0, deltaM=0.0
M_W
17.60
17.55
17.50
17.45
17.40
17.35
17.30
620
640
660
680

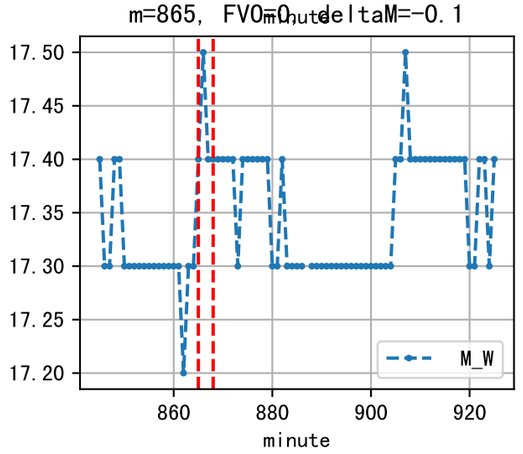

m=655, FVO=0, deltaM=-0.1
M_W
17.60
17.55
17.50
17.45
17.40
640
660
680
700

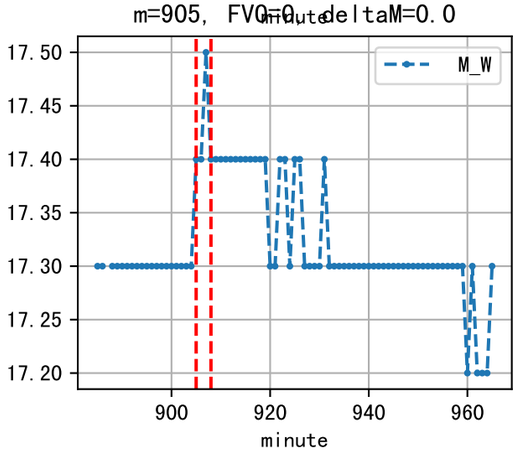

m=700, FVO=0, deltaM=0.0
M_W
17.60
17.55
17.50
17.45
17.40
17.35
17.30
680
700
720
740
760

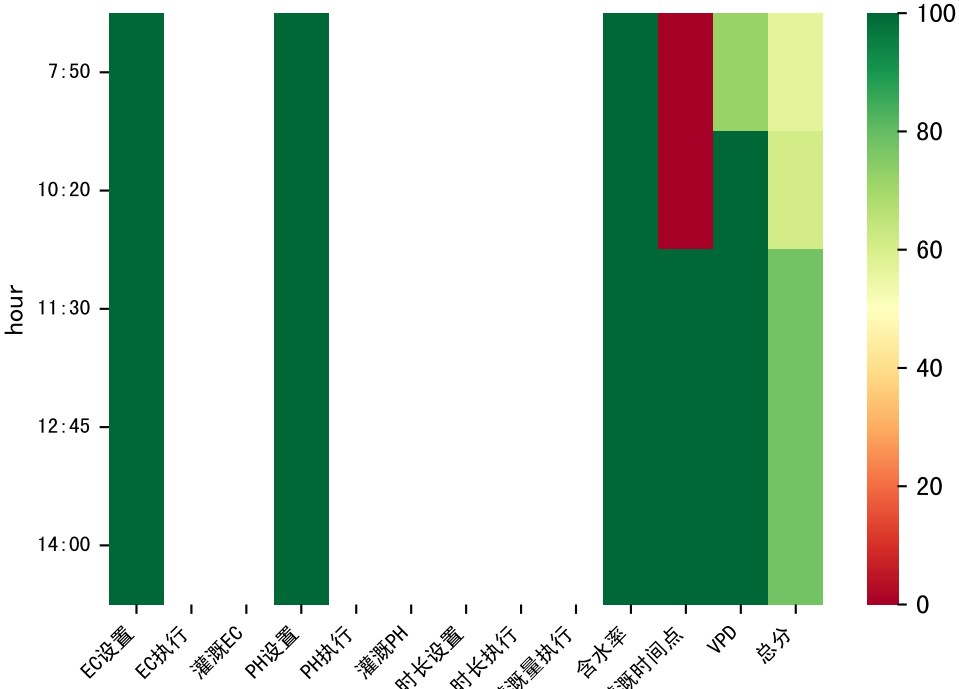

m=740, FVO=0, deltaM=-0.1
M_W
17.60
17.55
17.50
17.45
17.40
17.35
17.30
720
740
760
780
800


m=785, FVO=0, deltaM=0.0
M_W
17.50
17.45
17.40
17.35
17.30
780
800
820
840
minute


m=825, FVO=0, deltaM=0.0
M_W
17.50
17.45
17.40
17.35
17.30
17.25
17.20
820
840
860
880
minute


m=865, FVO=0, deltaM=-0.1
M_W
17.50
17.45
17.40
17.35
17.30
17.25
17.20
860
880
900
920
minute

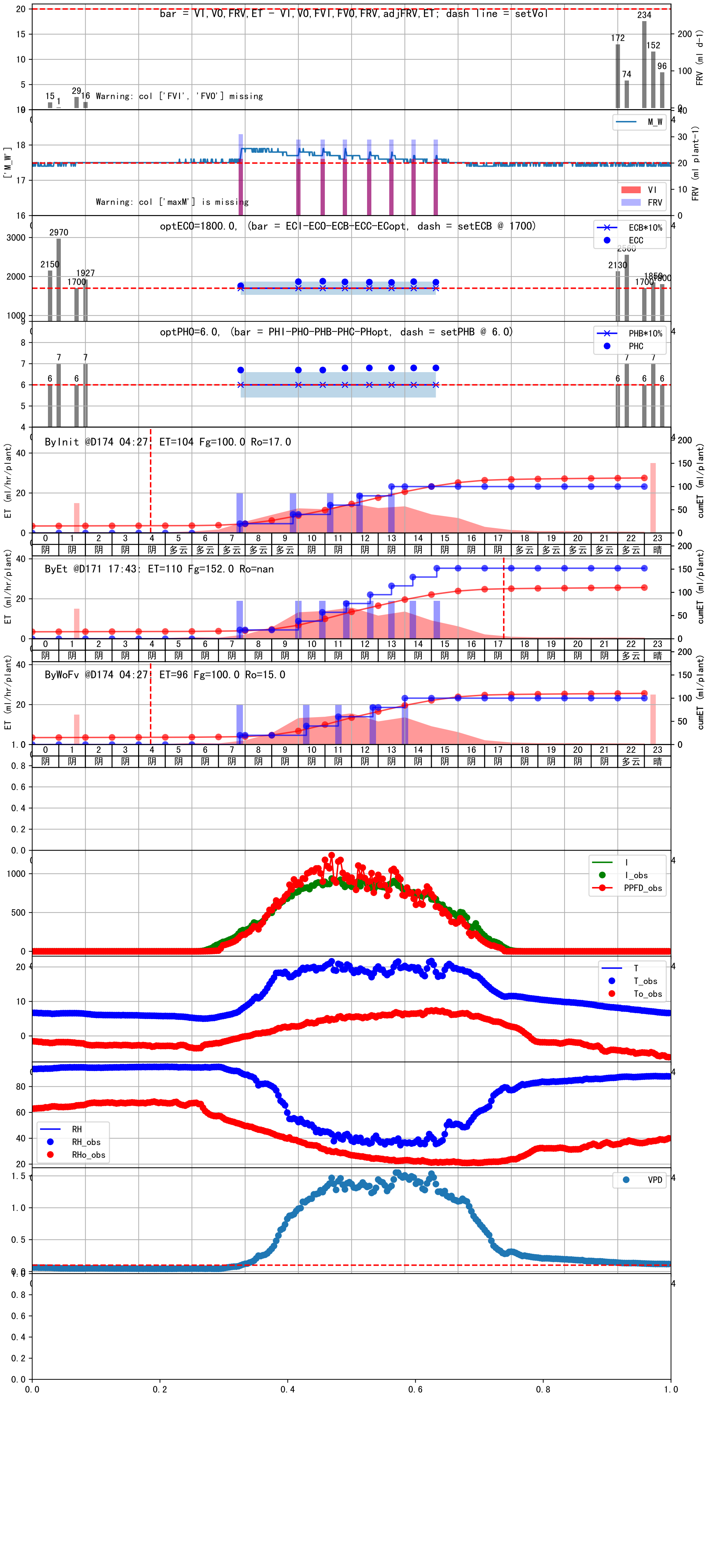

m=905, FVO=0, deltaM=0.0
M_W
17.50
17.45
17.40
17.35
17.30
17.25
17.20
900
920
940
960
minute

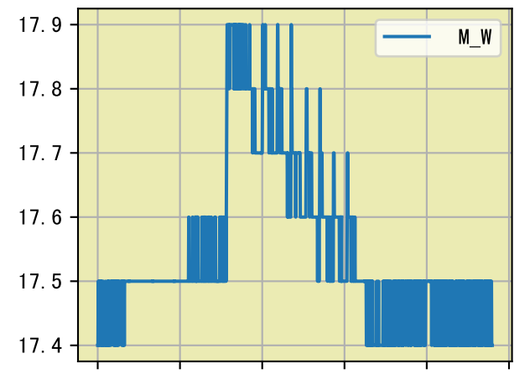

hour
7:50
10:20
11:30
12:45
14:00
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

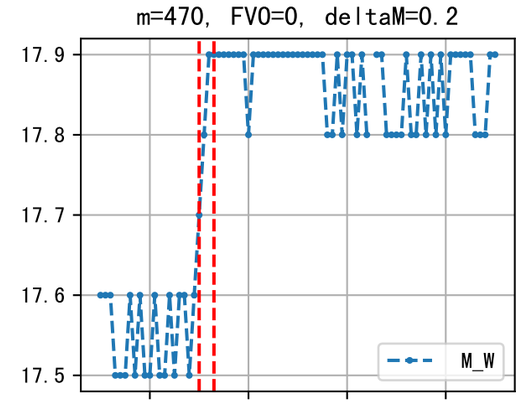
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
07:50	162	20.0	0.441	阴	假设@07:50 自动（未用传感器）
10:20	162	20.0	0.441	阴	假设@10:20 自动（未用传感器）
11:30	162	20.0	0.441	阴	假设@11:30 自动（未用传感器）
12:45	162	20.0	0.441	阴	假设@12:45 自动（未用传感器）
14:00	162	20.0	0.441	阴	假设@14:00 自动（未用传感器）
总计	810.0 (5次)	100.0			建议进液EC：1700， PH：6.0

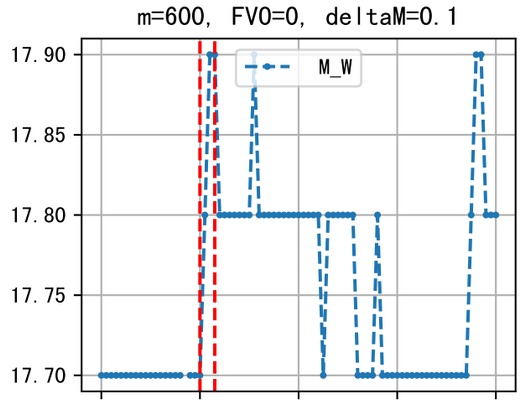
滴头平均流速偏小（0.18 vs def 0.5），请检查
施肥机灌溉量与预期值不符 (29.0 : 19.0)，可能由于一阀多区不均匀
默认实际灌溉19.0 ml.

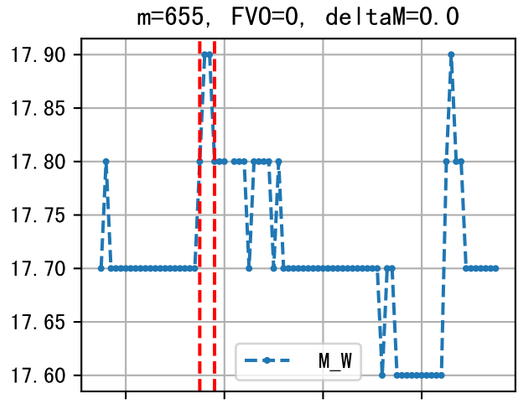
P2A2_0, Day=171.0 (2026-03-14)

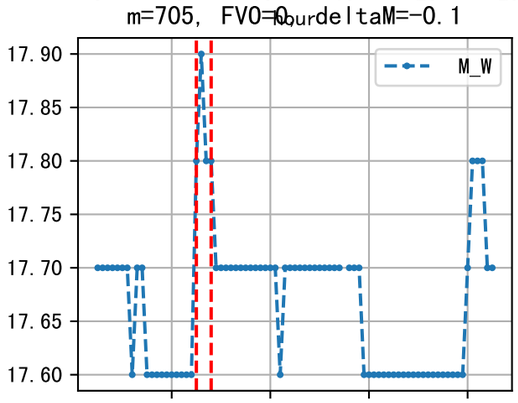


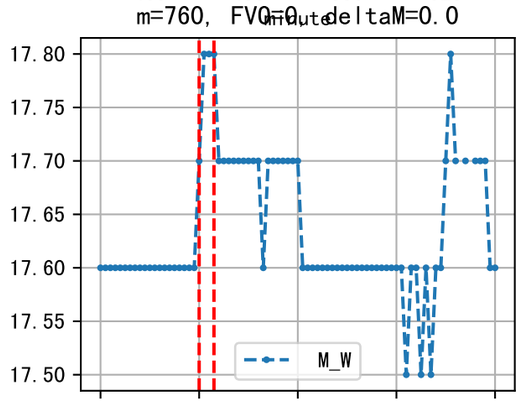

M_W
17.9
17.8
17.7
17.6
17.5
17.4
0
5
10
15
20
25

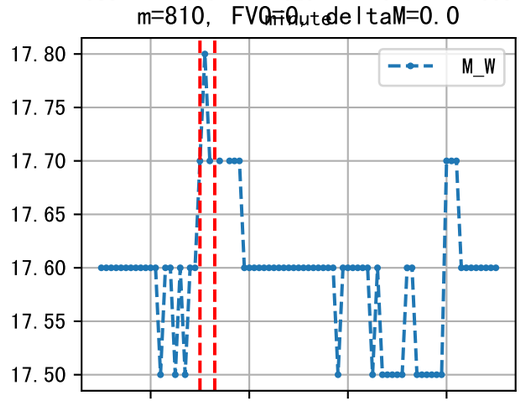

m=470, FV0=0, deltaM=0.2
M_W
17.9
17.8
17.7
17.6
17.5
460
480
500
520

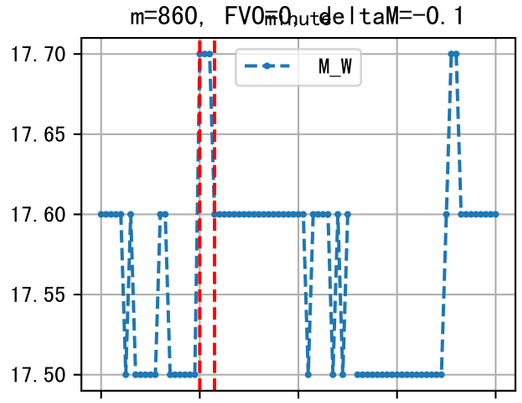

m=600, FV0=0, deltaM=0.1
M_W
17.90
17.85
17.80
17.75
17.70
580
600
620
640
660

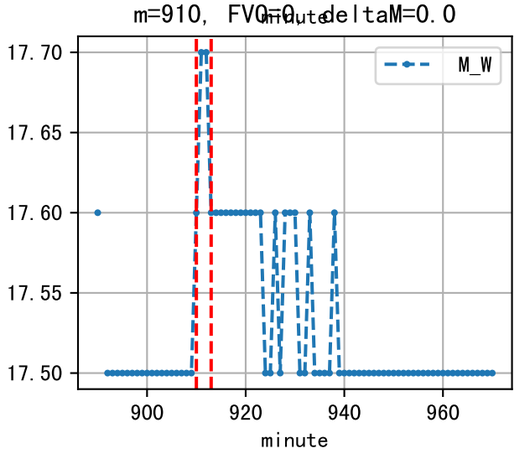

m=655, FV0=0, deltaM=0.0
M_W
17.90
17.85
17.80
17.75
17.70
17.65
17.60
640
660
680
700

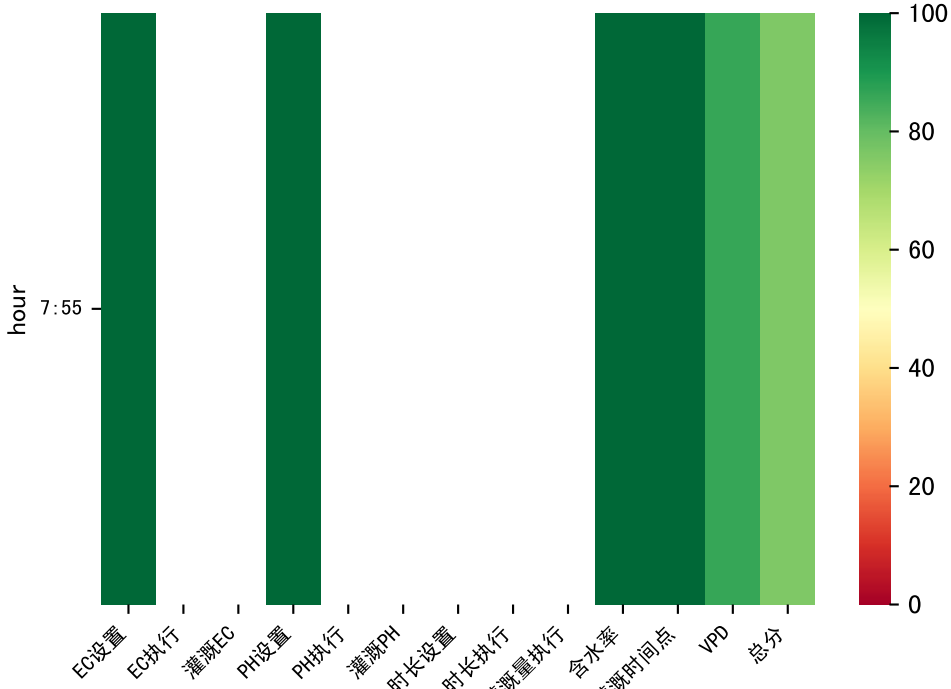

m=705, FV0=0, deltaM=-0.1
M_W
17.90
17.85
17.80
17.75
17.70
17.65
17.60
700
720
740
760


m=760, FV0=0, deltaM=0.0
M_W
17.80
17.75
17.70
17.65
17.60
17.55
17.50
740
760
780
800
820
minute


m=810, FV0=0, deltaM=0.0
M_W
17.80
17.75
17.70
17.65
17.60
17.55
17.50
800
820
840
860
minute


m=860, FV0=0, deltaM=-0.1
M_W
17.70
17.65
17.60
17.55
17.50
840
860
880
900
920
minute

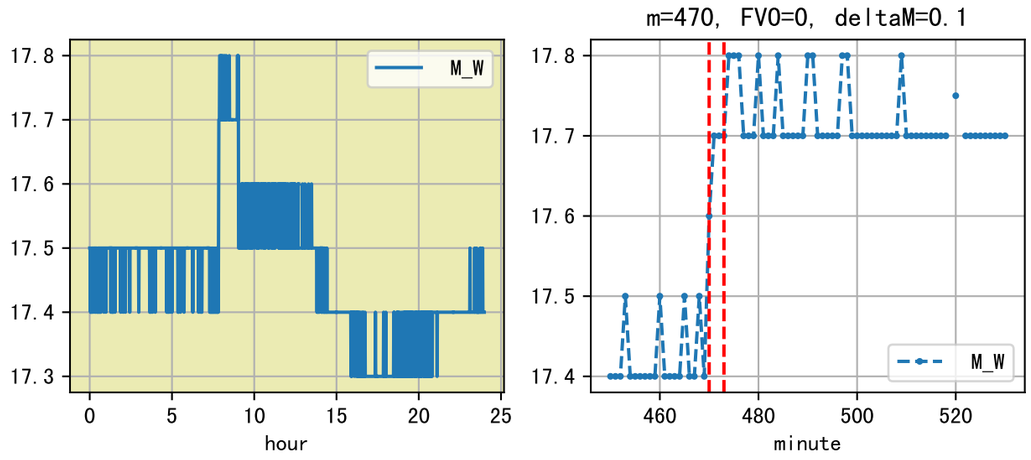

m=910, FV0=0, deltaM=0.0
M_W
17.70
17.65
17.60
17.55
17.50
900
920
940
960
minute


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

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
07:55	152	20.0	0.441	多云	假设@07:55 自动（未用传感器）
总计	152.0 (1次)	20.0			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 (29.0 : 20.0)，可能由于一阀多区不均匀
默认实际灌溉20.0 ml.

P2A2_0, Day=170.0 (2026-03-13)


m=470, FV0=0, deltaM=0.1
M_W
hour
minute
17.8
17.7
17.6
17.5
17.4
17.3
0
5
10
15
20
25
460
480
500
520